

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010265.D
 Acq On : 12 Jun 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:20:44 AM

Quant Time: Jun 13 03:47:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	445586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	406303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142213	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	5.50	113	143742	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	8.71	98	534171	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.13	95	197706	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	134837	49.946	ug/l	98
3) Chloromethane	1.32	50	129861	48.436	ug/l	99
4) Vinyl Chloride	1.41	62	146457	58.122	ug/l	99
5) Bromomethane	1.64	94	58730	61.764	ug/l	99
6) Chloroethane	1.71	64	78708	61.953	ug/l	97
7) Trichlorofluoromethane	1.92	101	216434	57.824	ug/l	97
8) Diethyl Ether	2.19	74	74000	57.361	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	123985	48.054	ug/l	91
10) Methyl Iodide	2.51	142	181965	45.519	ug/l	97
11) Tert butyl alcohol	3.05	59	188834	269.161	ug/l	99
12) 1,1-Dichloroethene	2.37	96	125037	47.447	ug/l #	79
13) Acrolein	2.29	56	35513	277.611	ug/l	98
14) Allyl chloride	2.73	41	182015	45.756	ug/l #	90
15) Acrylonitrile	3.14	53	368503	256.978	ug/l	98
16) Acetone	2.45	43	309212	229.558	ug/l #	88
17) Carbon Disulfide	2.57	76	323105	42.432	ug/l	100
18) Methyl Acetate	2.78	43	153698	51.885	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	407001	48.072	ug/l	93
20) Methylene Chloride	2.85	84	139818	47.265	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	132077	45.288	ug/l #	77
22) Diisopropyl ether	3.85	45	379353	49.879	ug/l #	90
23) Vinyl Acetate	3.81	43	1666024	245.546	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	220282	47.703	ug/l	96
25) 2-Butanone	4.67	43	511006	254.765	ug/l #	84
26) 2,2-Dichloropropane	4.58	77	171029	40.598	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	158064	48.719	ug/l	77
28) Bromochloromethane	5.02	49	98434	47.563	ug/l #	48
29) Tetrahydrofuran	5.13	42	323747	256.830	ug/l #	75
30) Chloroform	5.21	83	234965	48.995	ug/l	99
31) Cyclohexane	5.58	56	198703	47.678	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	210059	46.592	ug/l	94
36) 1,1-Dichloropropene	5.80	75	167566	46.094	ug/l	91
37) Ethyl Acetate	4.83	43	187715	49.628	ug/l #	92
38) Carbon Tetrachloride	5.78	117	193111	46.932	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Time: Jun 13 03:47:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	219635	44.369	ug/l #	83
40) Benzene	6.14	78	547498	48.705	ug/l	99
41) Methacrylonitrile	5.04	41	100997	49.362	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	167637	46.712	ug/l	93
43) Isopropyl Acetate	6.45	43	303183	47.940	ug/l #	89
44) Trichloroethene	7.21	130	161011	47.519	ug/l	83
45) 1,2-Dichloropropane	7.51	63	136076	48.365	ug/l	97
46) Dibromomethane	7.66	93	98070	46.526	ug/l	90
47) Bromodichloromethane	7.90	83	187403	47.580	ug/l	99
48) Methyl methacrylate	7.77	41	143325	48.459	ug/l #	78
49) 1,4-Dioxane	7.74	88	85503	1013.960	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	987006	261.246	ug/l	90
52) Toluene	8.78	92	357108	48.328	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	205834	45.181	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	223865	45.836	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	151808	50.164	ug/l	96
56) Ethyl methacrylate	9.18	69	234532	49.061	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	231128	48.512	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	547127	242.781	ug/l #	86
59) 2-Hexanone	9.49	43	772412	256.420	ug/l	88
60) Dibromochloromethane	9.58	129	172745	48.260	ug/l	99
61) 1,2-Dibromoethane	9.67	107	163367	48.471	ug/l	100
64) Tetrachloroethene	9.34	164	148228	49.120	ug/l	95
65) Chlorobenzene	10.13	112	408998	48.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	156875	48.646	ug/l	99
67) Ethyl Benzene	10.25	91	685899	48.047	ug/l	93
68) m/p-Xylenes	10.36	106	529830	95.911	ug/l	90
69) o-Xylene	10.69	106	264112	48.096	ug/l	89
70) Styrene	10.71	104	459004	49.353	ug/l	94
71) Bromoform	10.85	173	143158	48.289	ug/l	99
73) Isopropylbenzene	11.02	105	694886	46.929	ug/l	95
74) N-amyl acetate	10.90	43	278389	47.562	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	238758	47.105	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	194259m	45.786	ug/l	
77) Bromobenzene	11.26	156	193757	47.584	ug/l	80
78) n-propylbenzene	11.36	91	775533	47.046	ug/l	95
79) 2-Chlorotoluene	11.42	91	456119	46.070	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	575355	46.133	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	83243	43.349	ug/l	85
82) 4-Chlorotoluene	11.51	91	520047	46.240	ug/l	91
83) tert-Butylbenzene	11.77	119	589564	46.706	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	588994	46.755	ug/l	97
85) sec-Butylbenzene	11.94	105	694437	47.221	ug/l	96
86) p-Isopropyltoluene	12.06	119	634400	47.188	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	344195	47.990	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	340223	47.056	ug/l	98
89) n-Butylbenzene	12.38	91	543459	46.961	ug/l	97
90) Hexachloroethane	12.59	117	120876	45.134	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	334690	48.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52228	43.789	ug/l	64

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ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

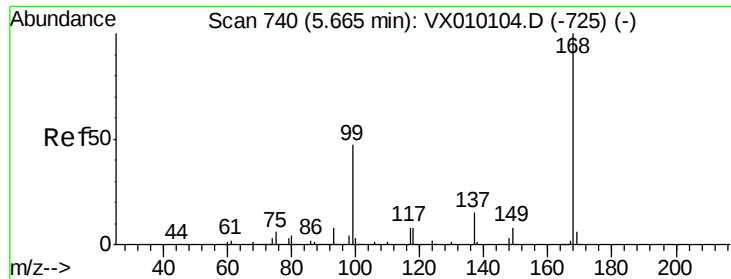
Manual Integrations
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MMDadoda
6/13/2019 9:20:44 AM

Quant Time: Jun 13 03:47:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	241183	47.254	ug/l	100
94) Hexachlorobutadiene	13.78	225	112253	49.453	ug/l	99
95) Naphthalene	13.83	128	775697	48.279	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	244474	48.444	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

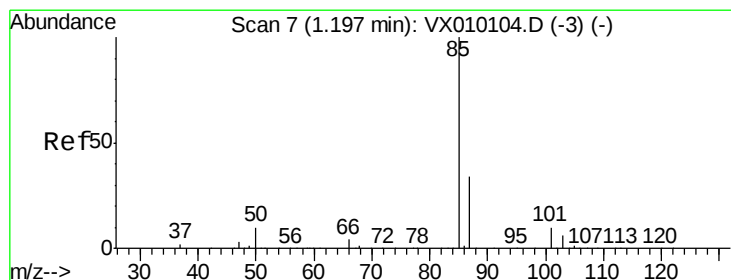
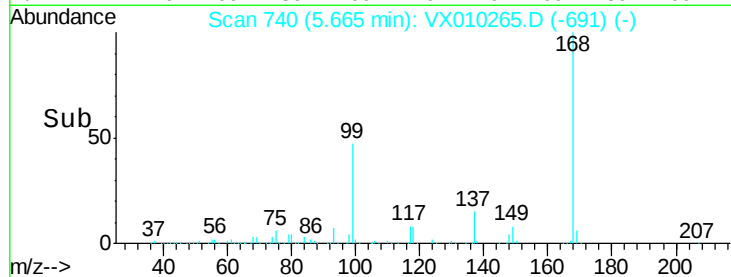
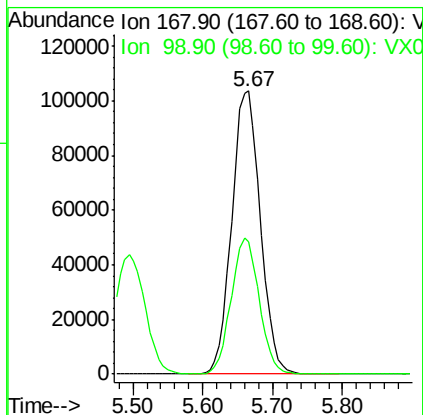
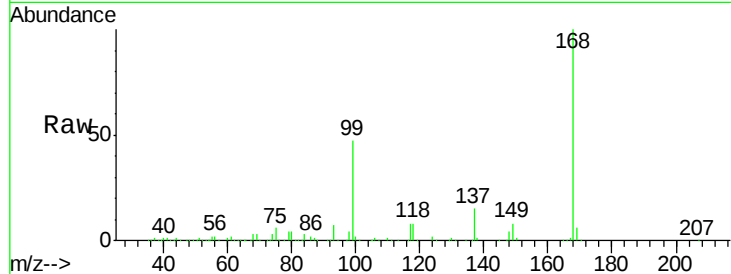
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
168	100	293394		
99	46.6	43.0	64.6	

Manual Integrations
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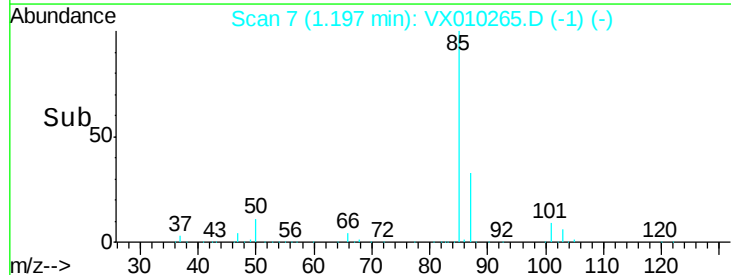
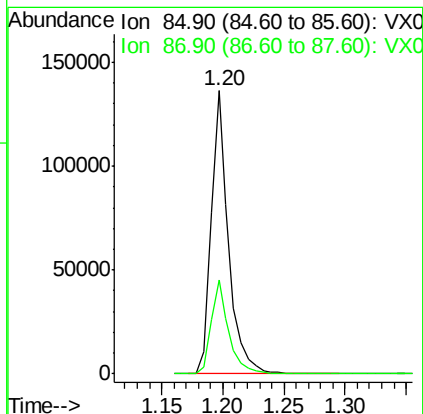
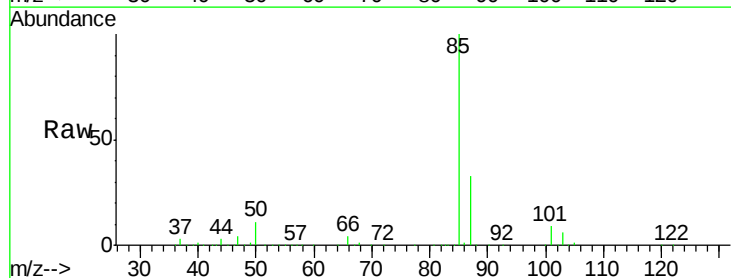
MMDadoda
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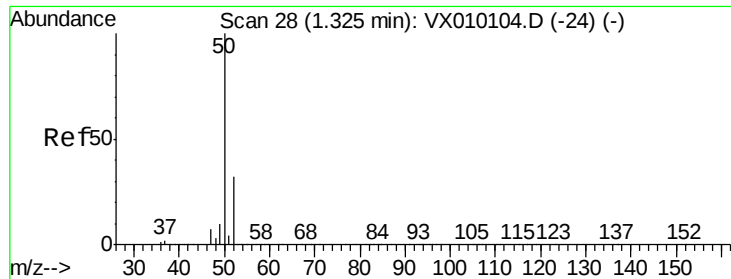


#2

Dichlorodifluoromethane
 Concen: 49.946 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	134837		
87	33.3	16.1	48.2	





#3

Chloromethane

Concen: 48.436 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129861

Ion Ratio Lower Upper

50 100

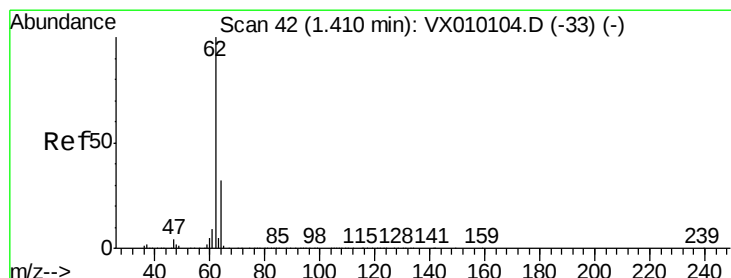
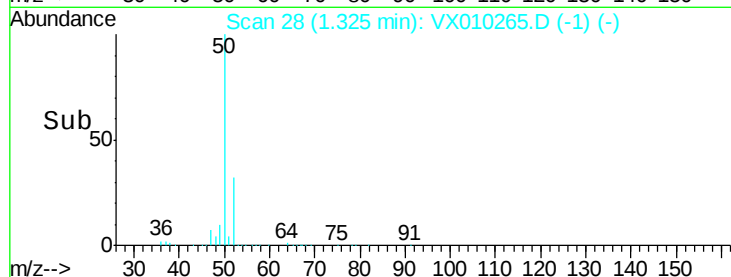
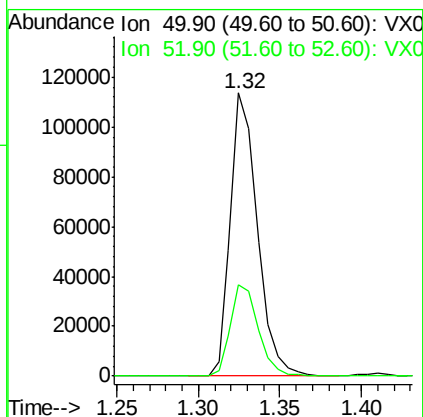
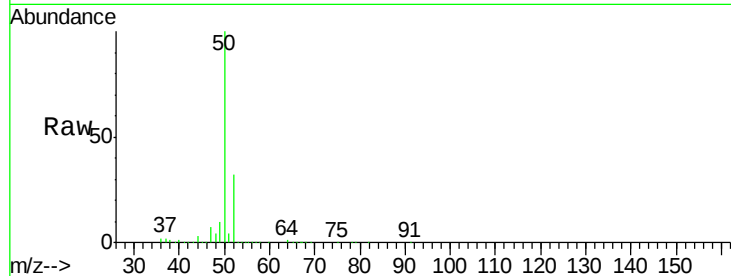
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.122 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010265.D

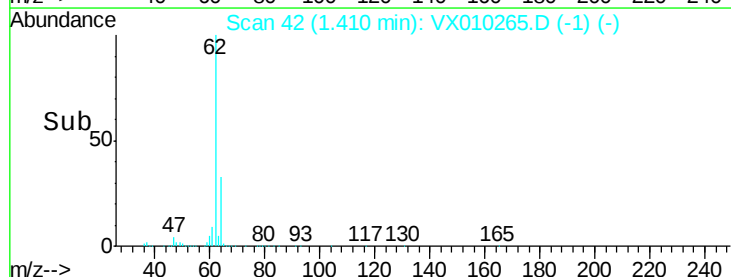
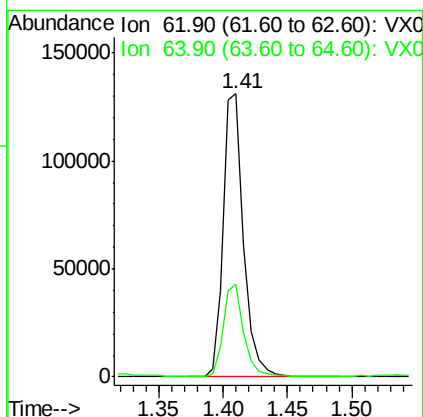
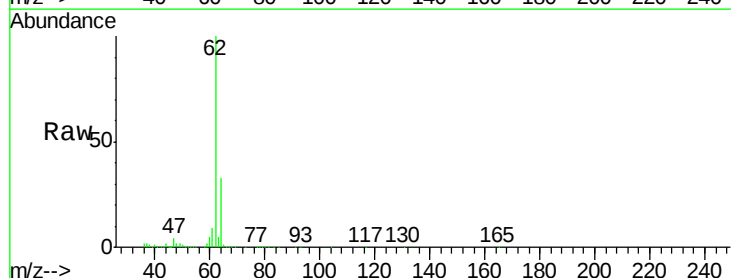
Acq: 12 Jun 2019 20:51

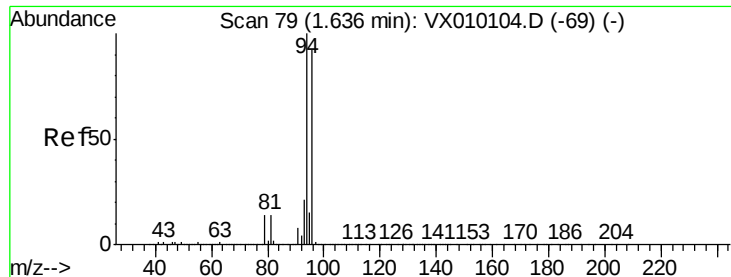
Tgt Ion: 62 Resp: 146457

Ion Ratio Lower Upper

62 100

64 32.5 25.7 38.5





#5

Bromomethane

Concen: 61.764 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58730

Ion Ratio Lower Upper

94 100

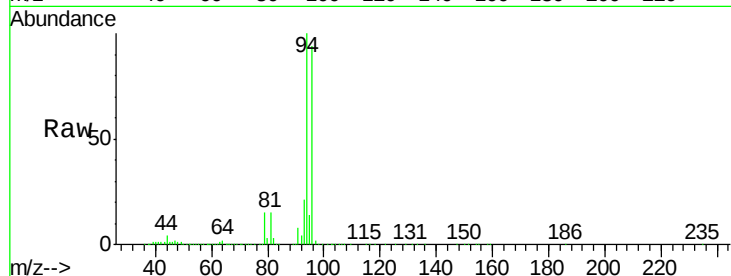
96 94.4 76.2 114.4

Manual Integrations

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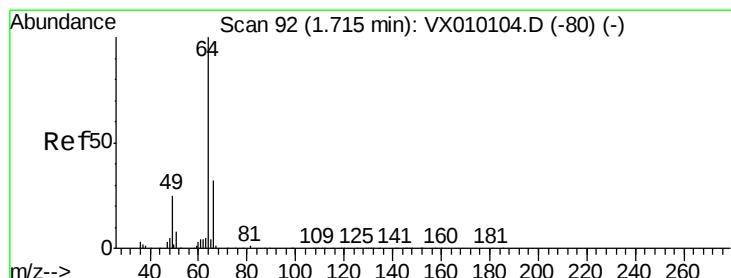
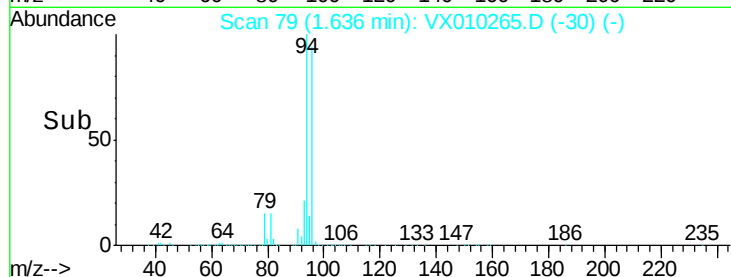
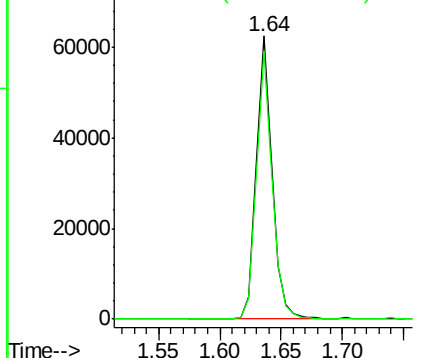
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 61.953 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010265.D

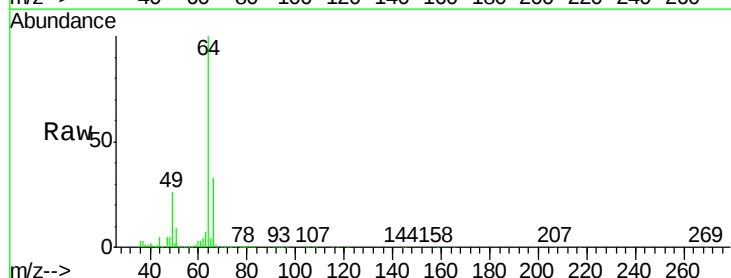
Acq: 12 Jun 2019 20:51

Tgt Ion: 64 Resp: 78708

Ion Ratio Lower Upper

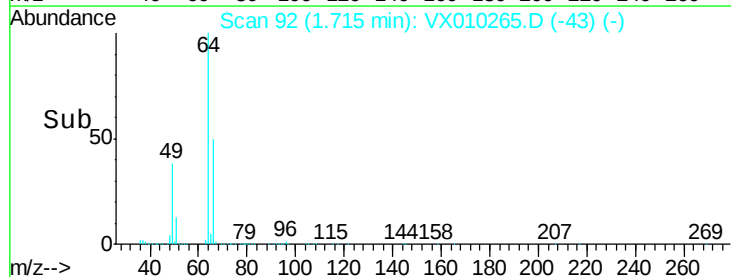
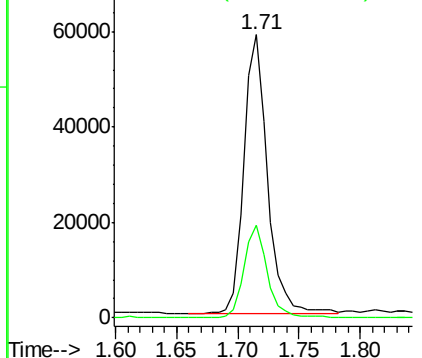
64 100

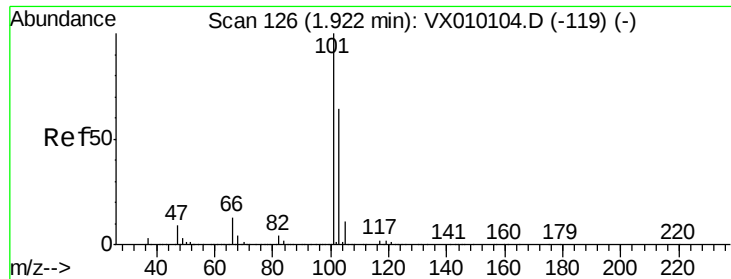
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

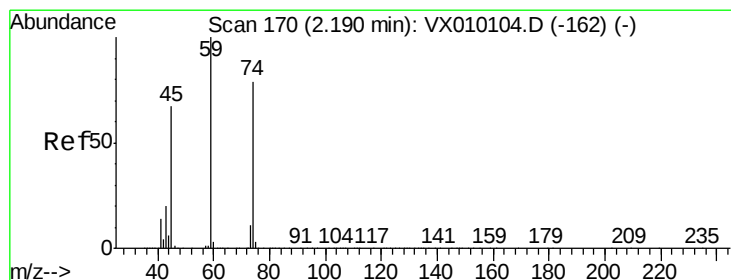
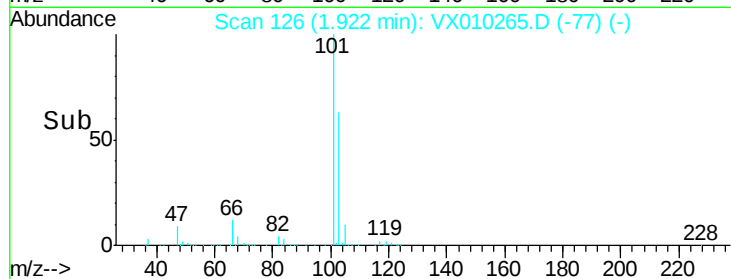
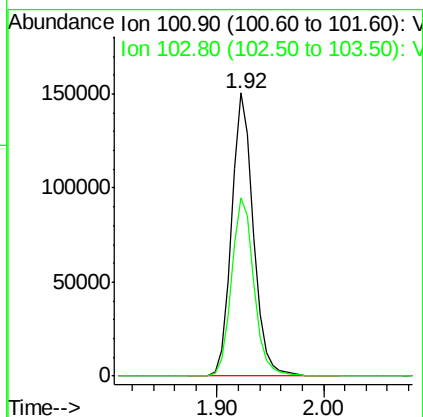
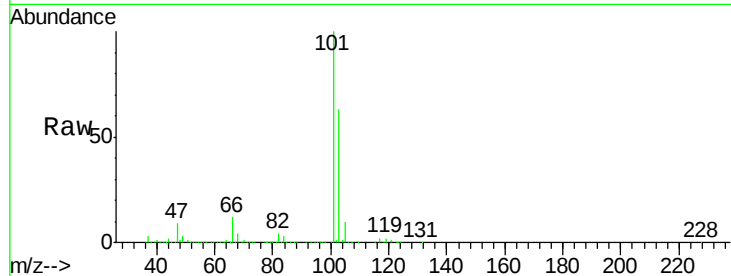
Trichlorofluoromethane
Concen: 57.824 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.2	78.4

Manual Integrations
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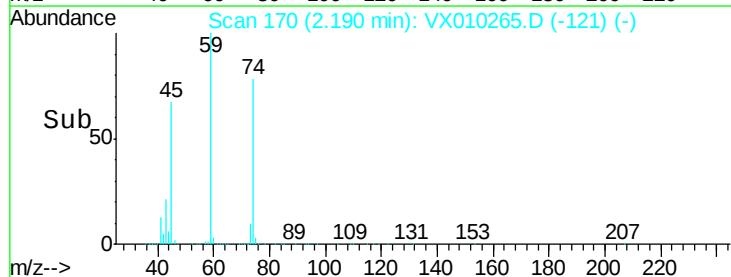
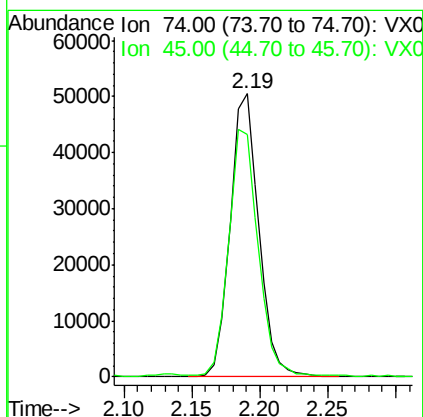
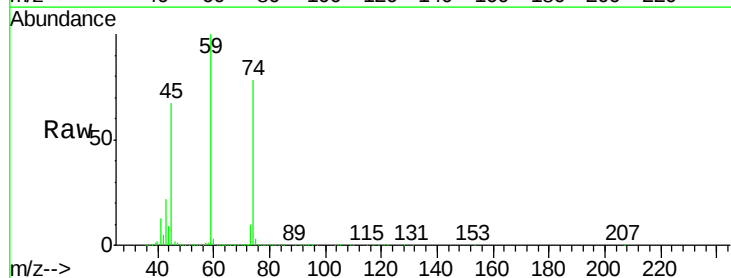
MMDadoda
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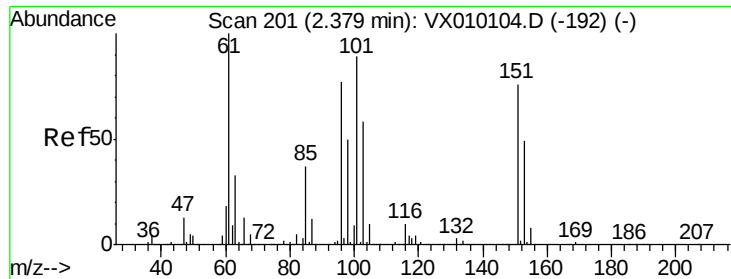


#8

Diethyl Ether
Concen: 57.361 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.054 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

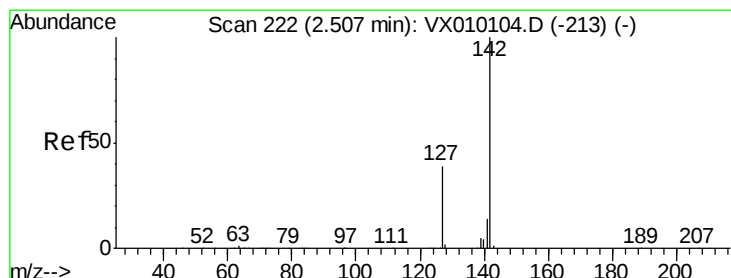
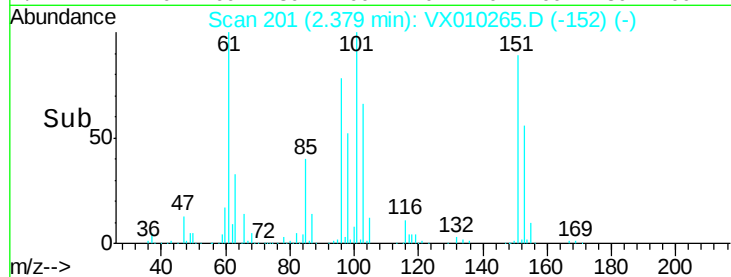
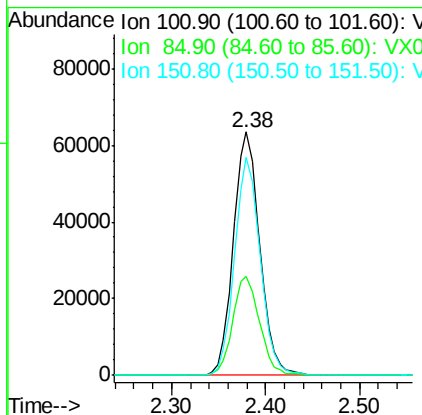
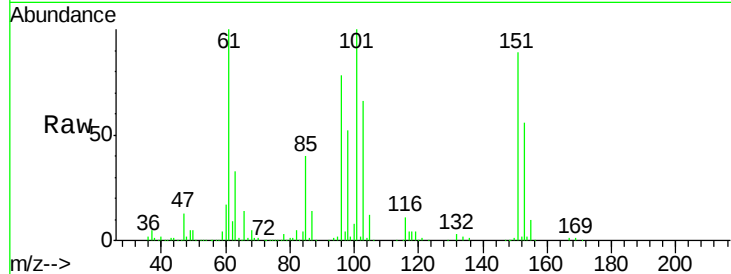
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123985		
85	41.4	35.2	52.8	
151	87.3	61.9	92.9	

Manual Integrations
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#10

Methyl Iodide

Concen: 45.519 ug/l

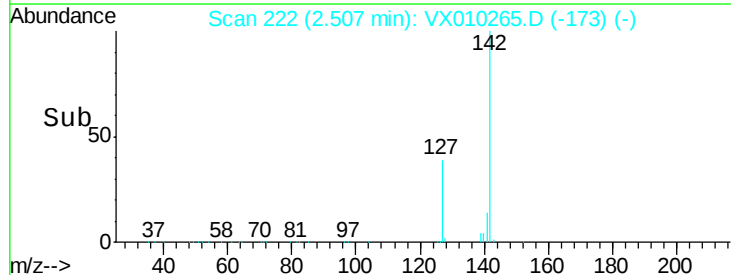
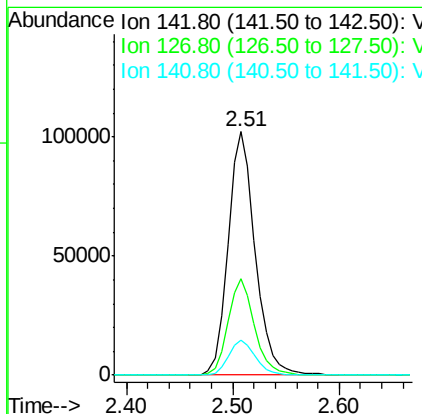
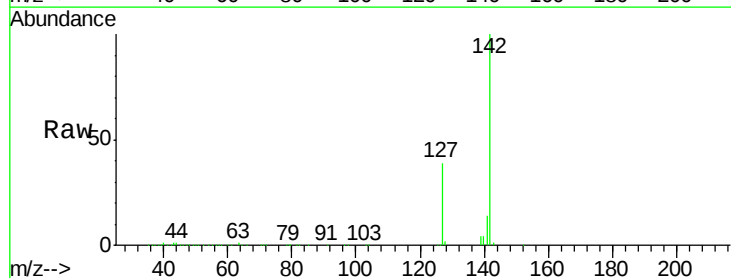
RT: 2.51 min Scan# 222

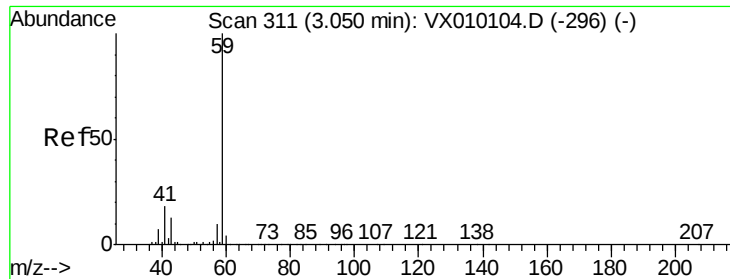
Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	181965		
127	38.6	33.0	49.4	
141	14.4	11.4	17.0	





#11

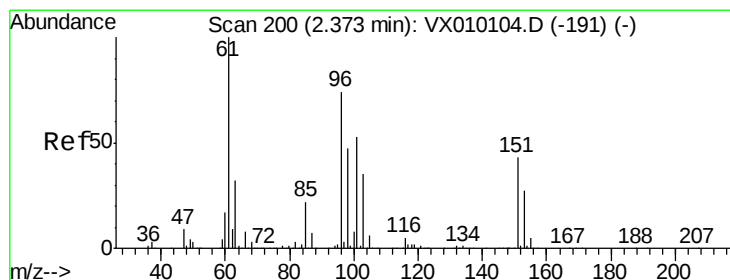
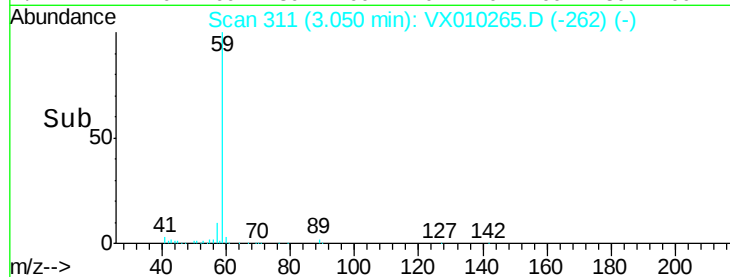
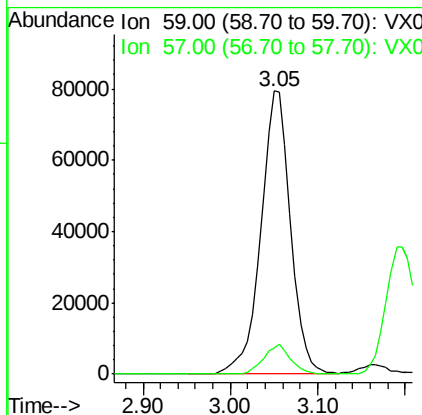
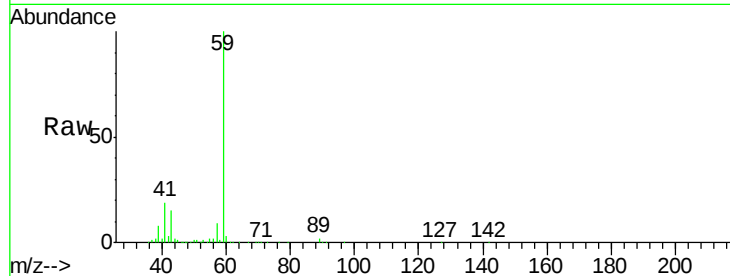
Tert butyl alcohol
 Concen: 269.161 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.7	Resp	188834	Lower	8.2	Upper	12.2
Ion											

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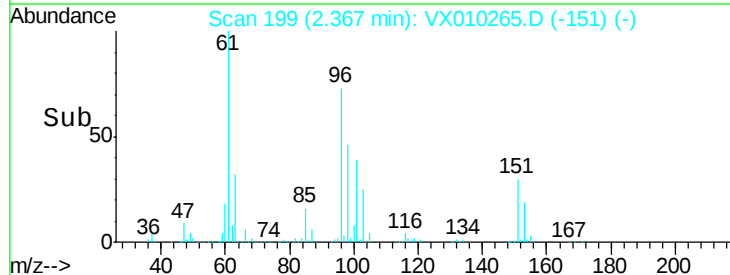
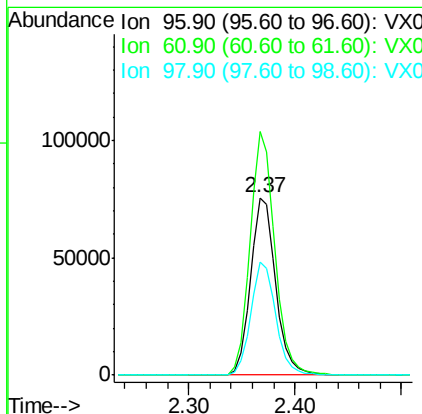
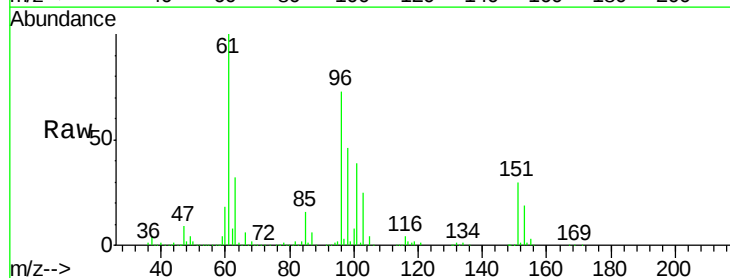
MMDadoda
 6/13/2019 9:20:44 AM

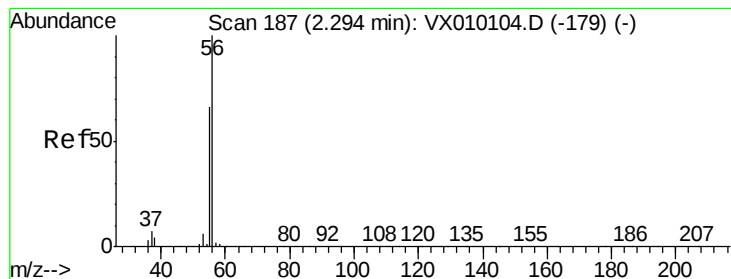


#12

1,1-Dichloroethene
 Concen: 47.447 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	96	61	98	Ratio	100	137.2	63.6	Resp	125037	Lower	140.7	50.1	Upper	211.1#	75.1
Ion															





#13

Acrolein

Concen: 277.611 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35513

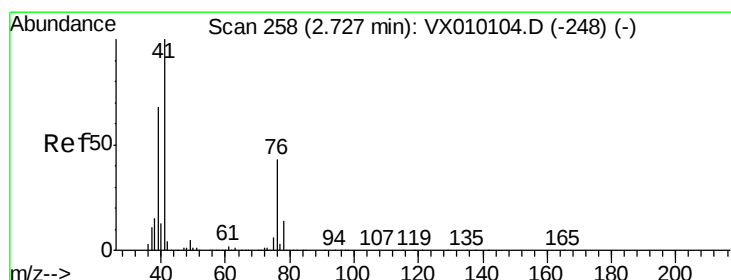
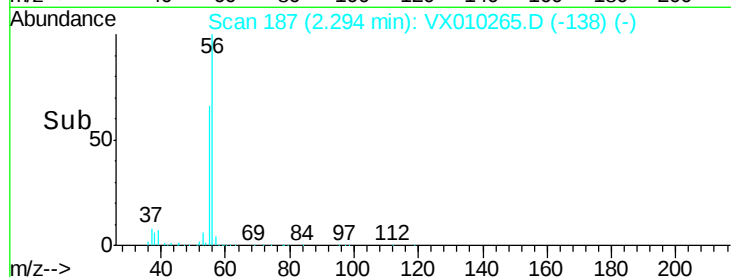
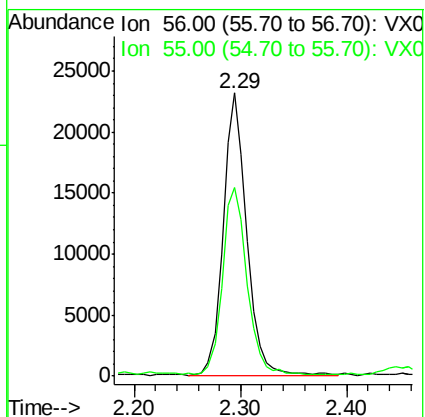
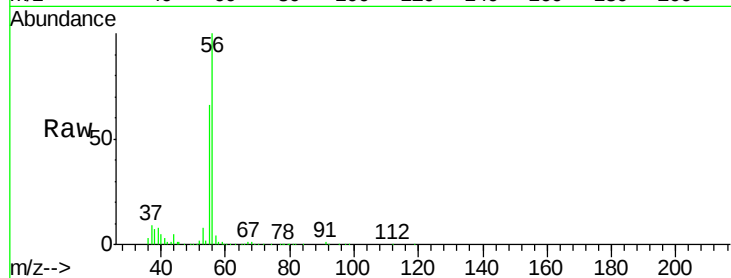
Ion Ratio Lower Upper

56 100

55 69.6 57.0 85.4

Manual Integrations
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#14

Allyl chloride

Concen: 45.756 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

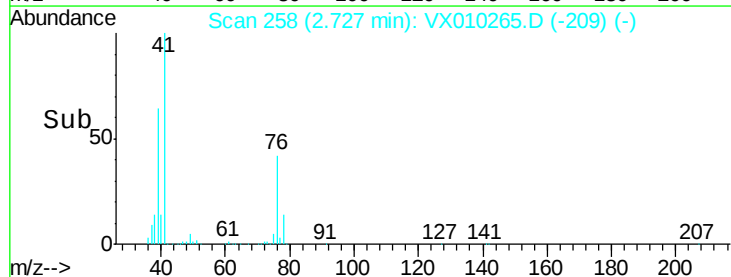
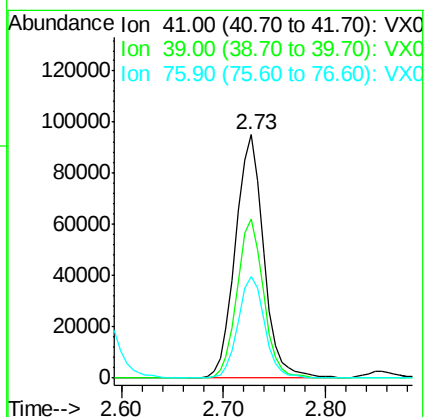
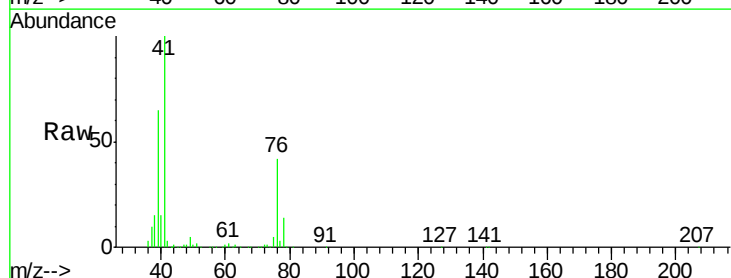
Tgt Ion: 41 Resp: 182015

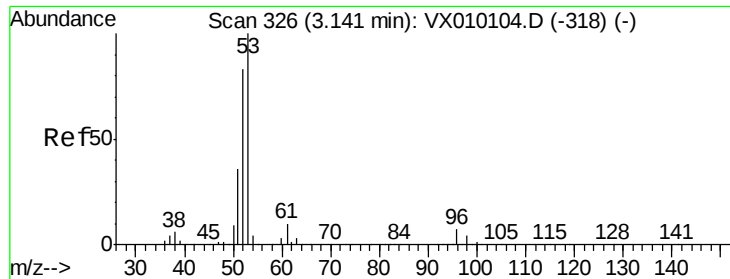
Ion Ratio Lower Upper

41 100

39 61.2 46.7 70.1

76 39.1 21.0 31.4#





#15

Acrylonitrile

Concen: 256.978 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

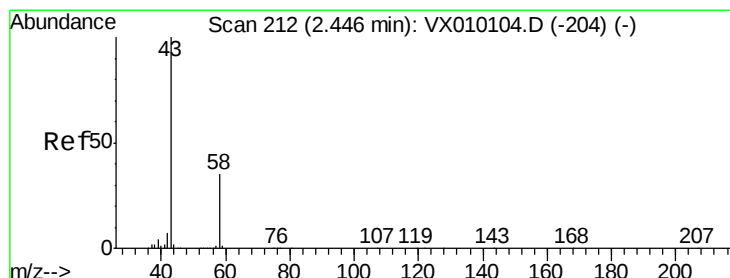
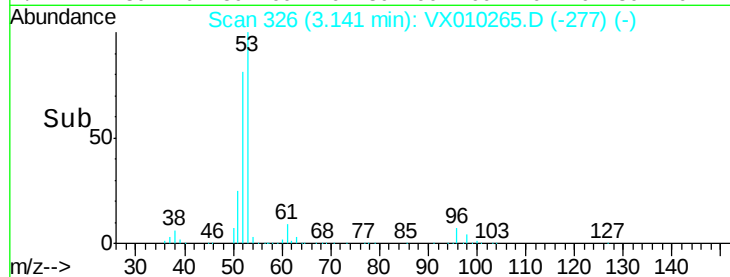
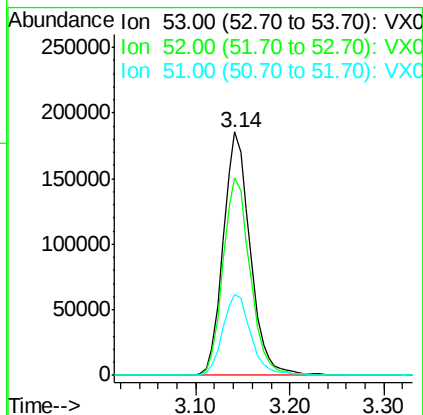
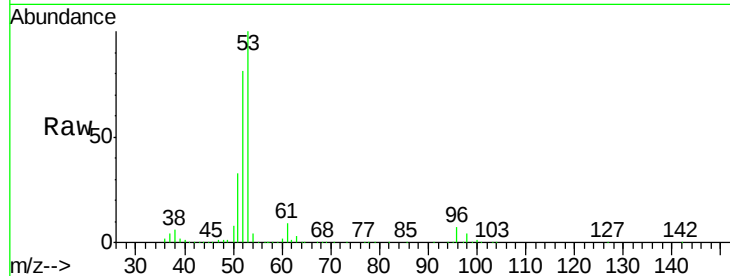
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	368503
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.7	100.1
51	34.7	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 229.558 ug/l

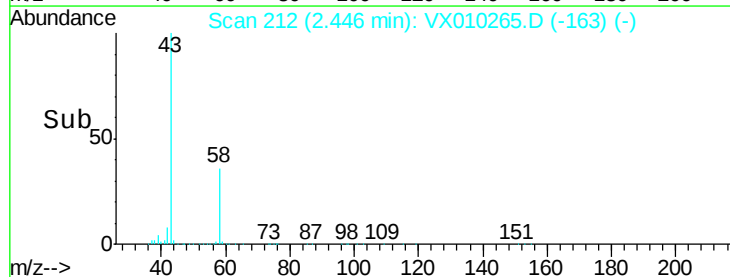
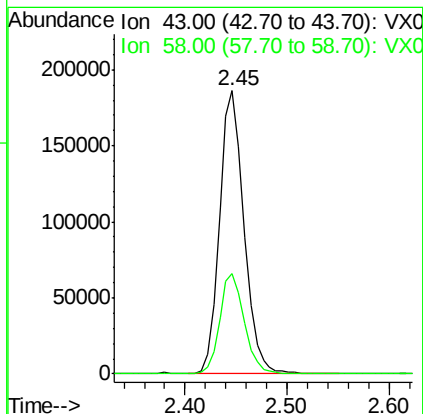
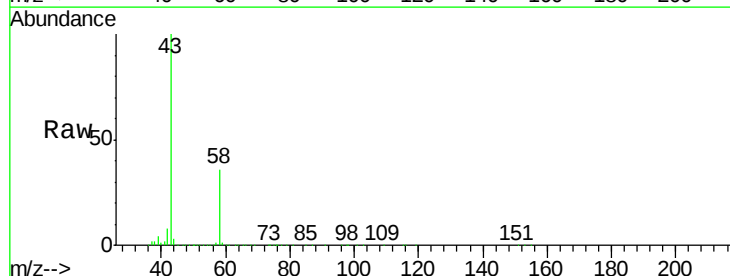
RT: 2.45 min Scan# 212

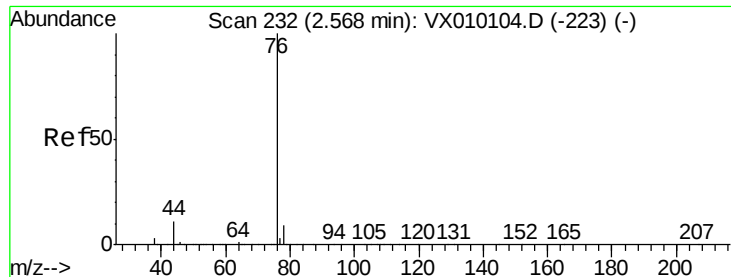
Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion:	43	Resp:	309212
Ion Ratio	Lower	Upper	
43	100		
58	35.7	23.2	34.8#





#17

Carbon Disulfide

Concen: 42.432 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 323105

Ion Ratio Lower Upper

76 100

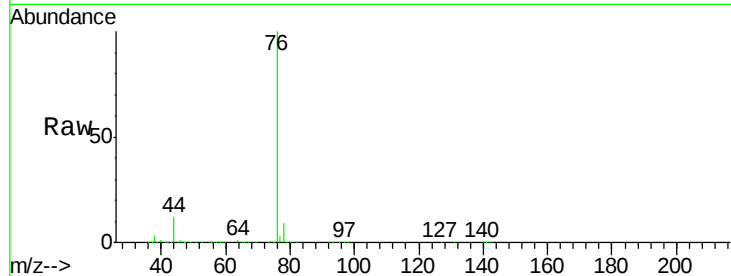
78 8.9 7.0 10.6

Manual Integrations

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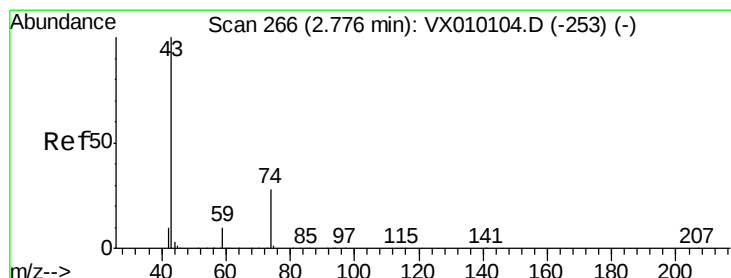
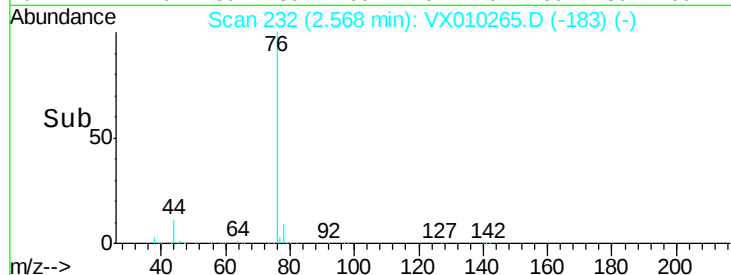
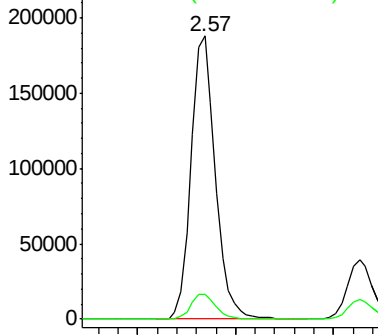
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.885 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010265.D

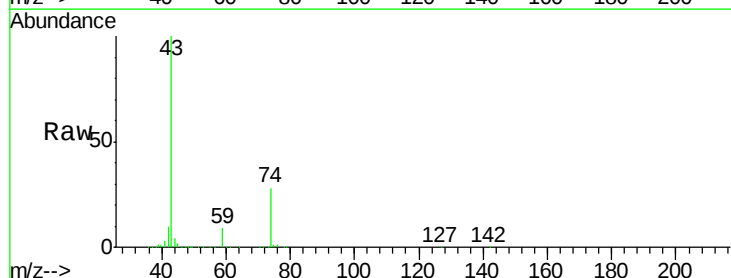
Acq: 12 Jun 2019 20:51

Tgt Ion: 43 Resp: 153698

Ion Ratio Lower Upper

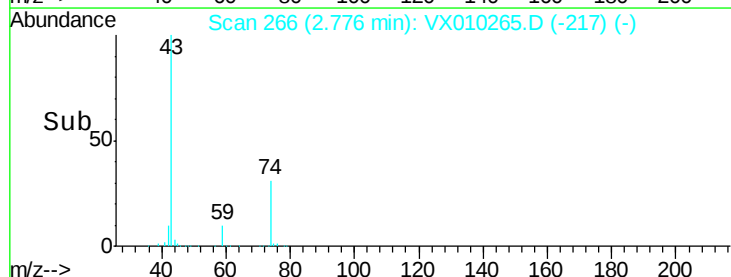
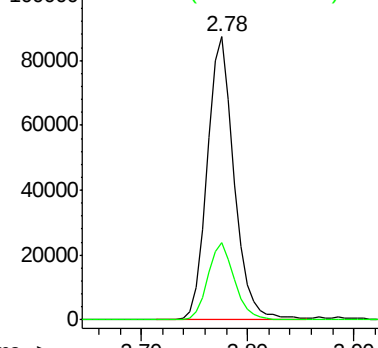
43 100

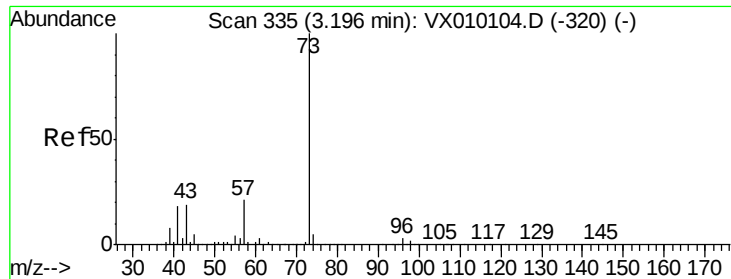
74 27.7 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





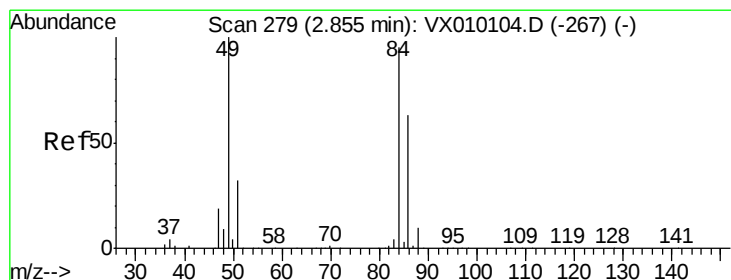
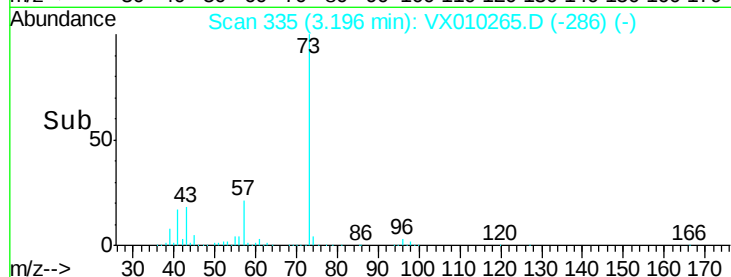
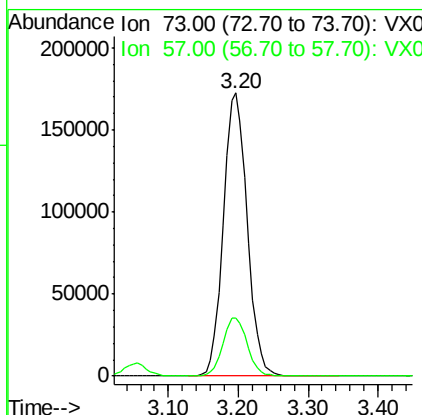
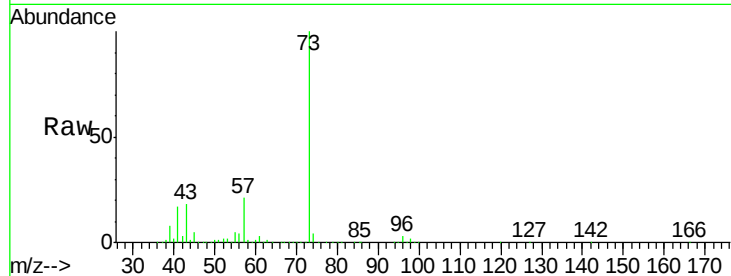
#19
Methvl tert-butvl Ether
Concen: 48.072 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	19.4	29.2

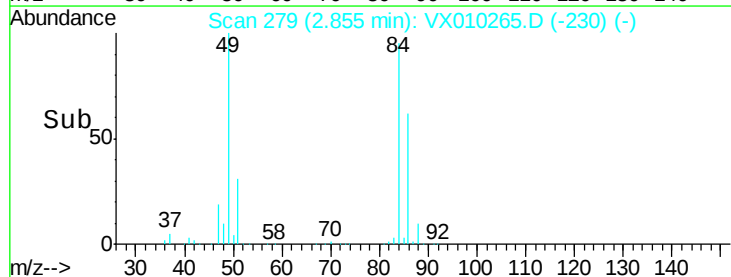
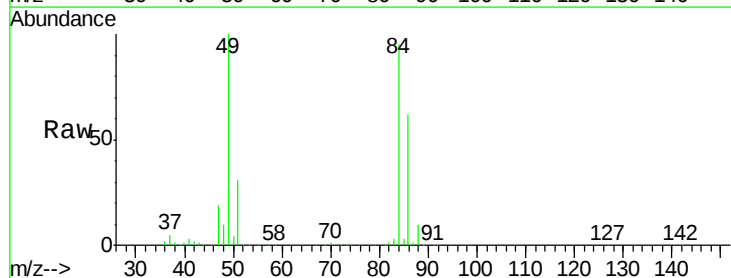
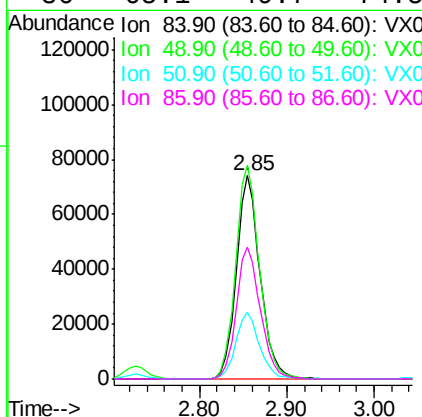
Manual Integrations
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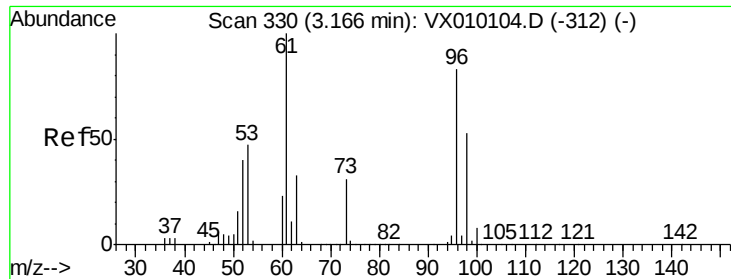
MMDadoda
6/13/2019 9:20:44 AM



#20
Methylene Chloride
Concen: 47.265 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.0	115.8	173.6#
51	32.9	34.4	51.6#
86	65.1	49.7	74.5





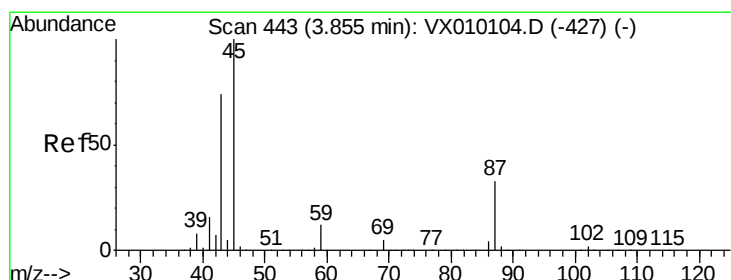
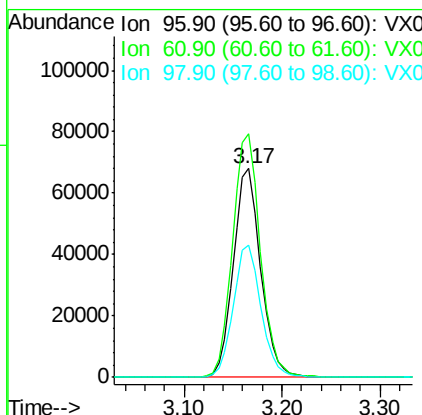
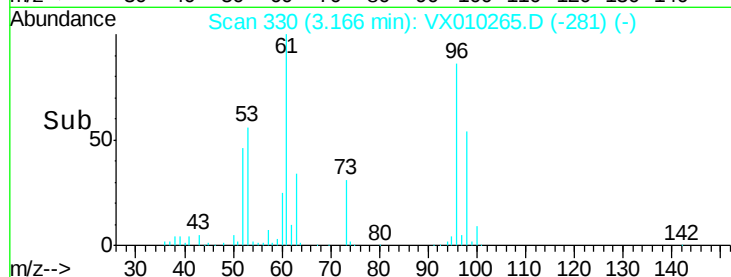
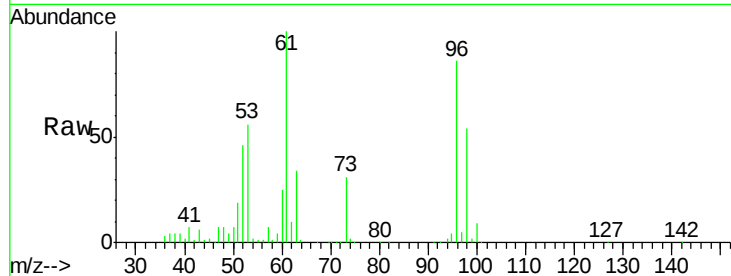
#21
trans-1,2-Dichloroethene
Concen: 45.288 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	116.6	125.7	188.5#
98	63.1	49.0	73.6

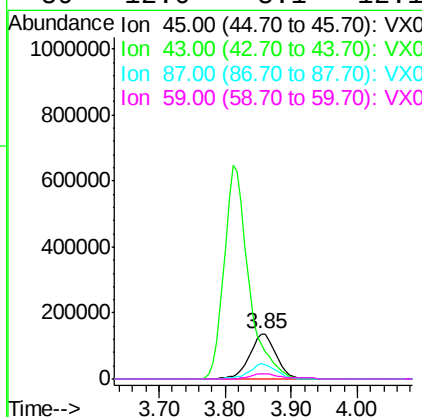
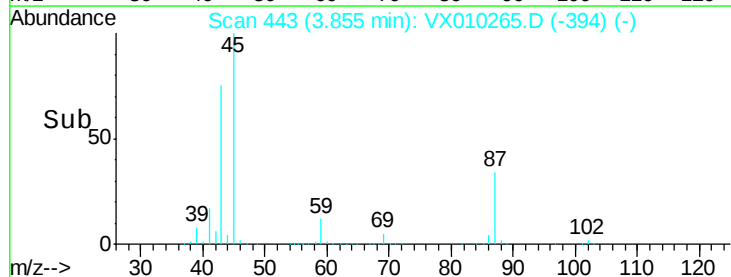
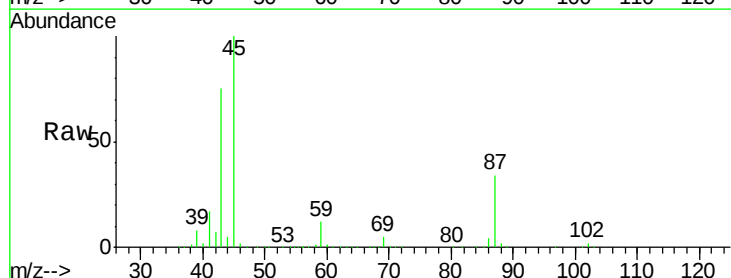
Manual Integrations
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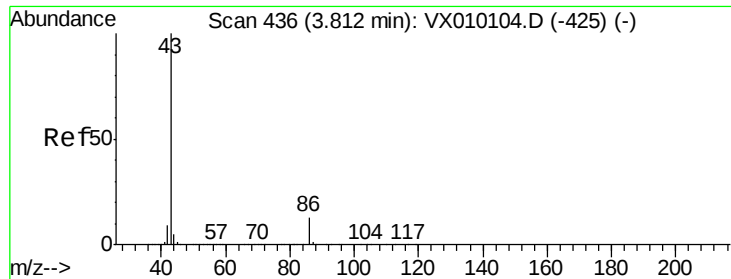
MMDadoda
6/13/2019 9:20:44 AM



#22
Diisopropyl ether
Concen: 49.879 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.0	65.0	97.4
87	33.9	17.3	25.9#
59	12.0	8.1	12.1





#23

Vinyl Acetate

Concen: 245.546 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1666024

Ion Ratio Lower Upper

43 100

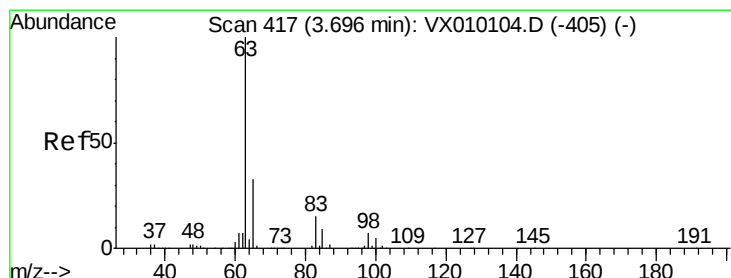
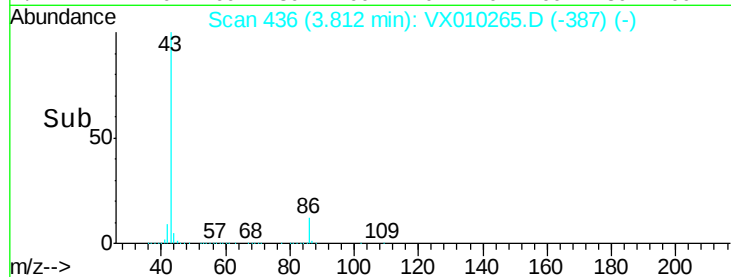
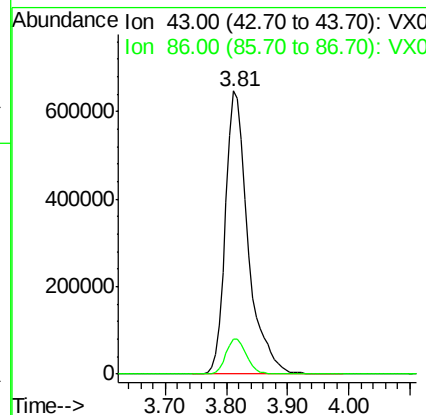
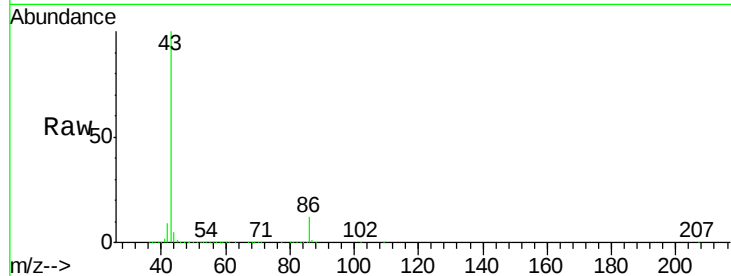
86 12.2 6.5 9.7#

Manual Integrations

APPROVED

MMDadoda

6/13/2019 9:20:44 AM



#24

1,1-Dichloroethane

Concen: 47.703 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

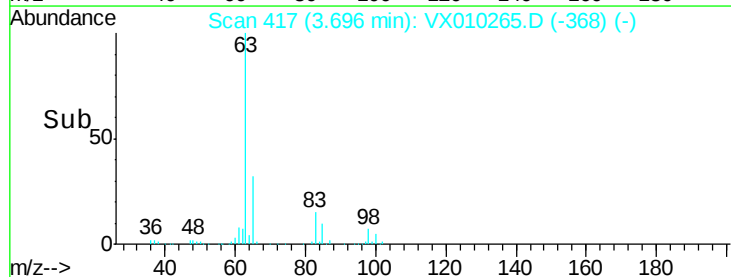
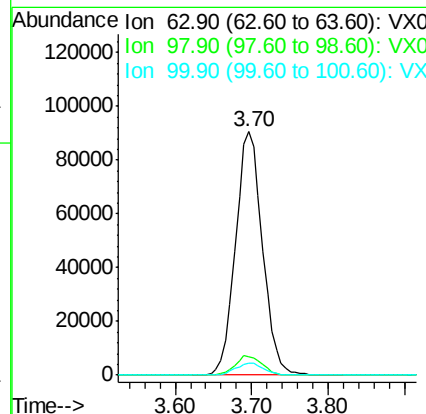
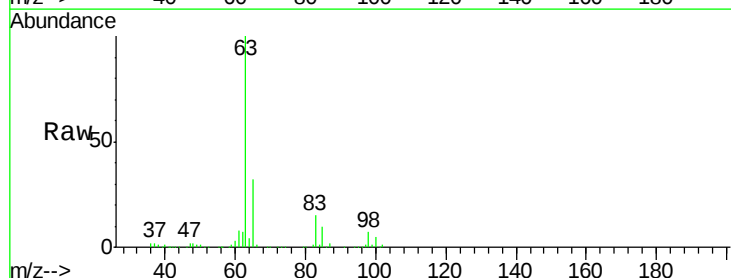
Tgt Ion: 63 Resp: 220282

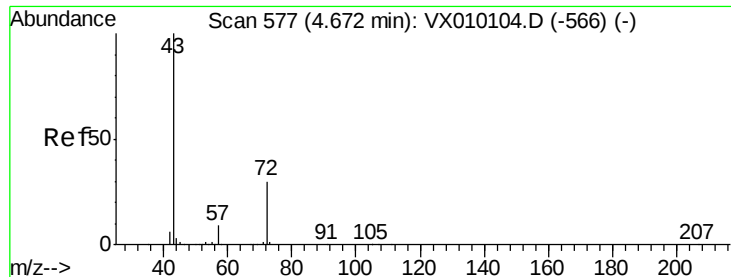
Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.8

100 4.9 1.8 5.4





#25

2-Butanone

Concen: 254.765 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 511006

Ion Ratio Lower Upper

43 100

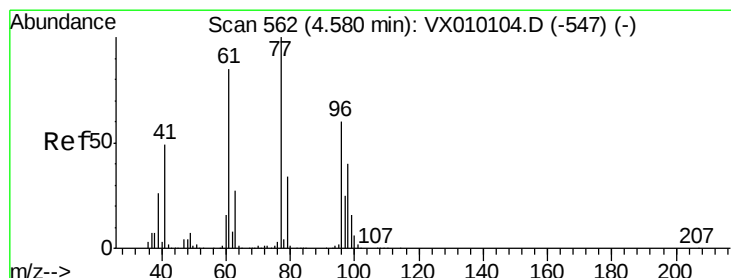
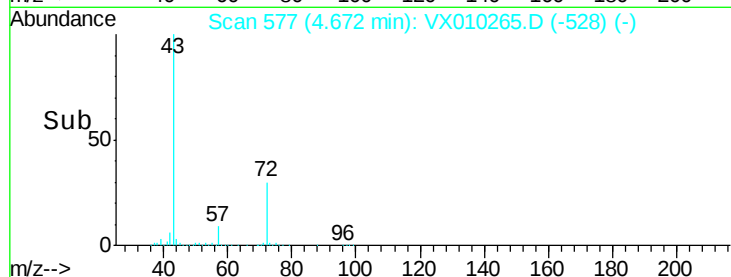
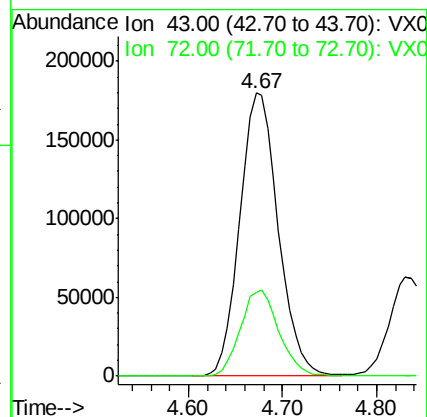
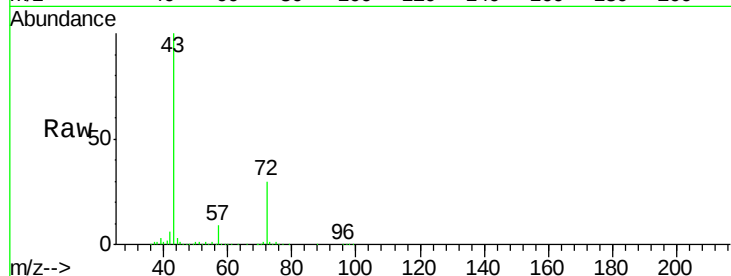
72 29.4 17.5 26.3#

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6/13/2019 9:20:44 AM



#26

2,2-Dichloropropane

Concen: 40.598 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010265.D

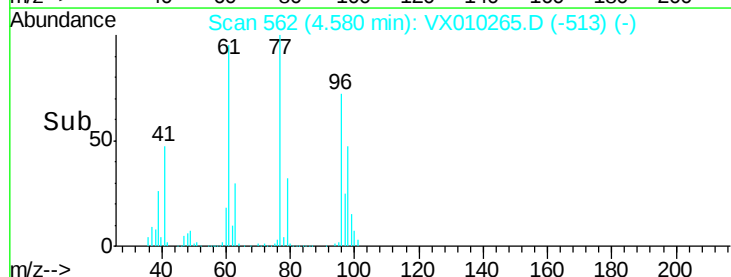
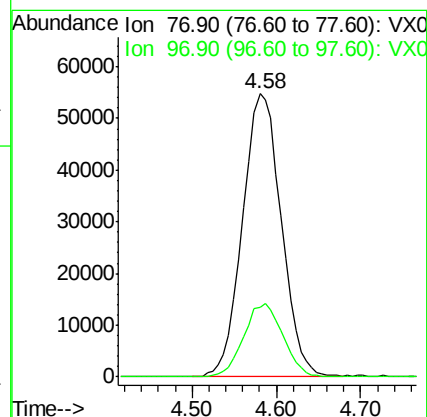
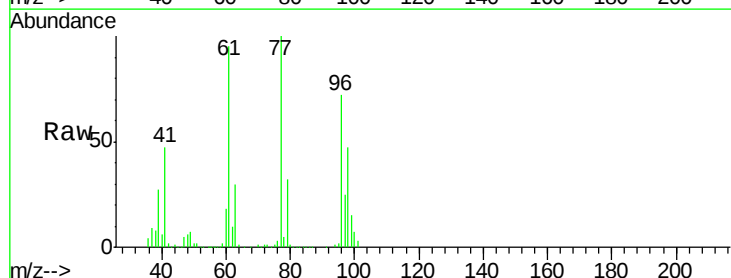
Acq: 12 Jun 2019 20:51

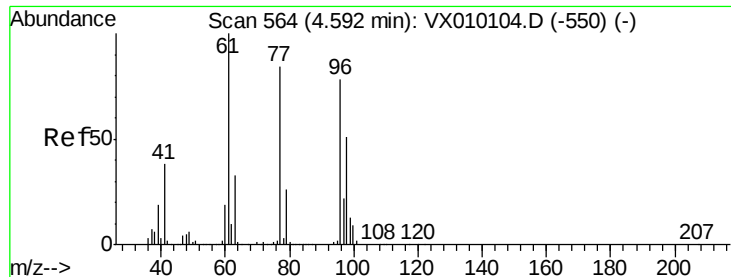
Tgt Ion: 77 Resp: 171029

Ion Ratio Lower Upper

77 100

97 26.3 11.4 34.2





#27

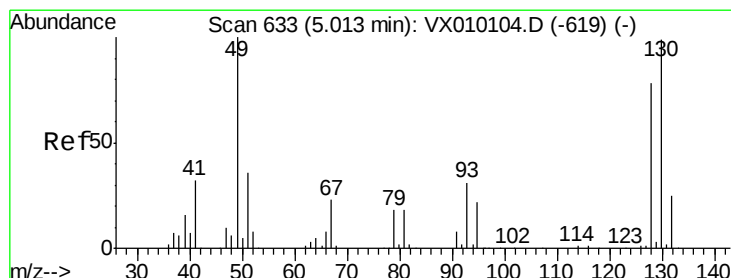
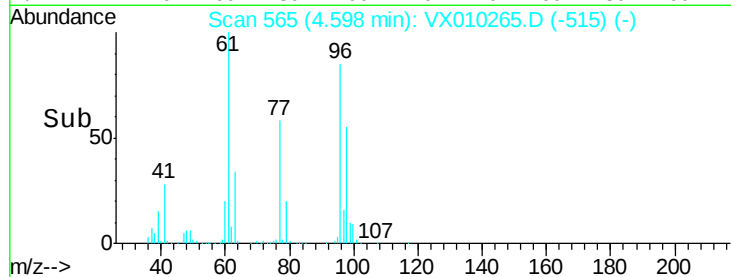
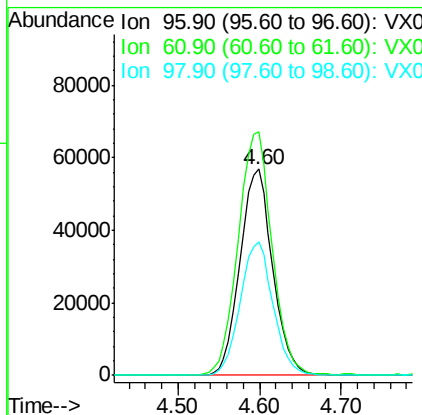
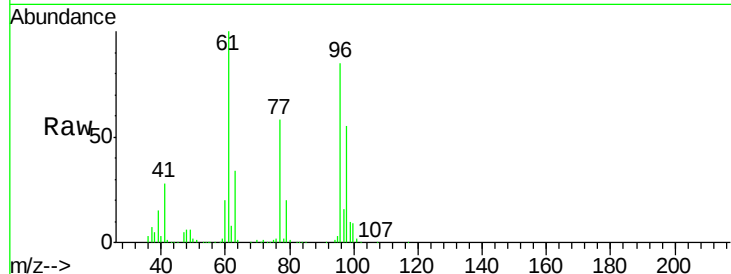
cis-1,2-Dichloroethene
Concen: 48.719 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158064		
61	123.1	0.0	334.0	
98	65.3	0.0	131.6	

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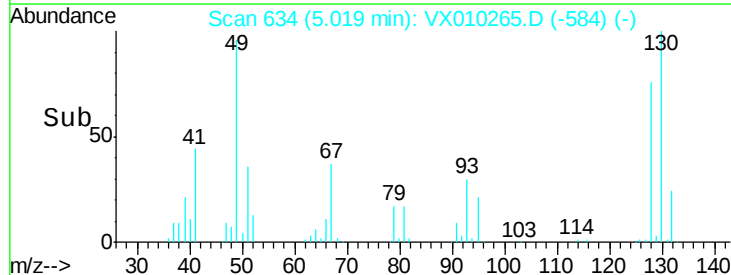
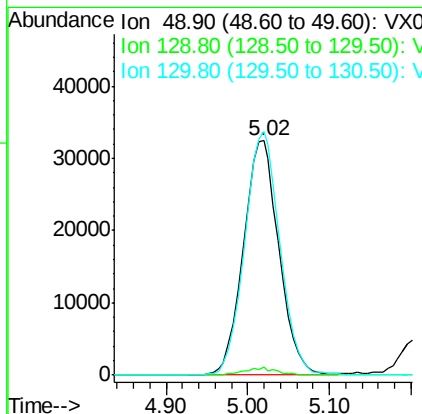
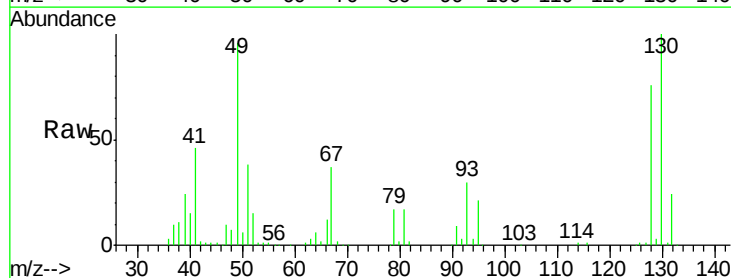
MMDadoda
6/13/2019 9:20:44 AM

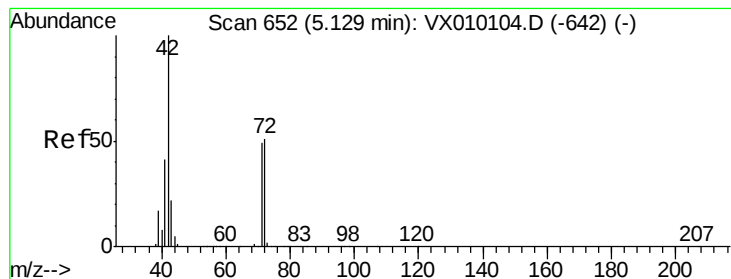


#28

Bromochloromethane
Concen: 47.563 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98434		
129	2.8	0.0	3.4	
130	102.5	49.4	74.2#	





#29

Tetrahydrofuran

Concen: 256.830 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

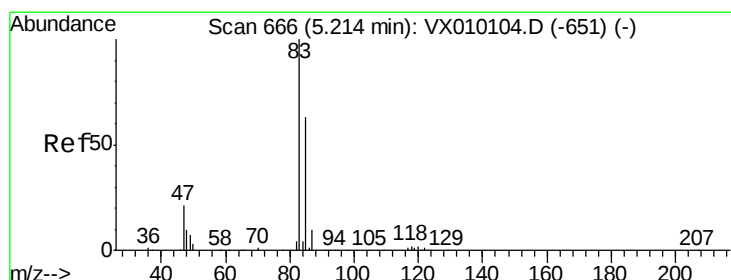
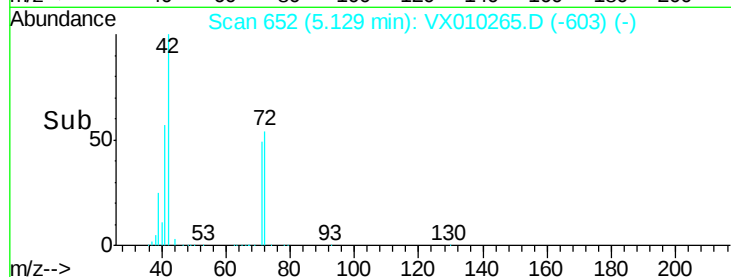
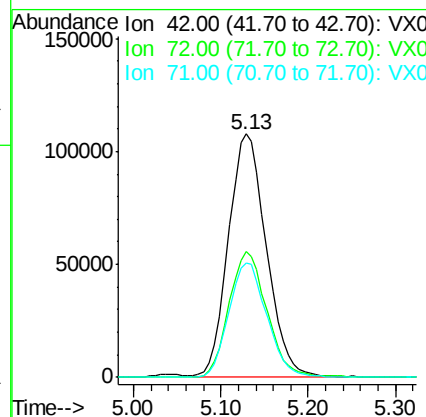
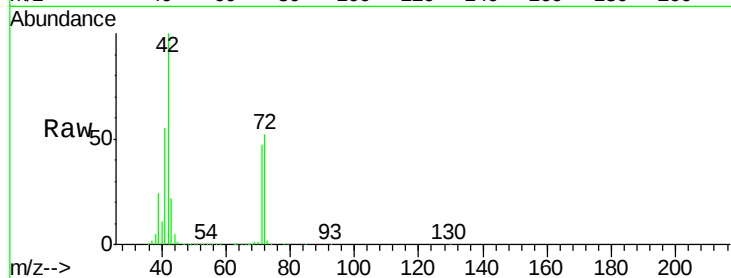
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	323747
Ion Ratio		Lower	Upper
42	100		
72	52.0	29.2	43.8#
71	47.7	27.6	41.4#

Manual Integrations
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#30

Chloroform

Concen: 48.995 ug/l

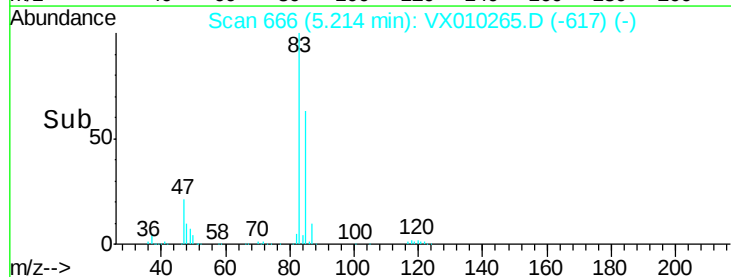
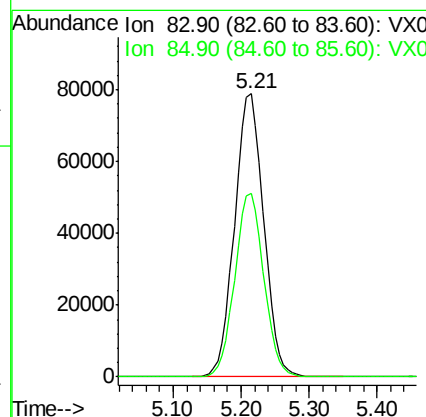
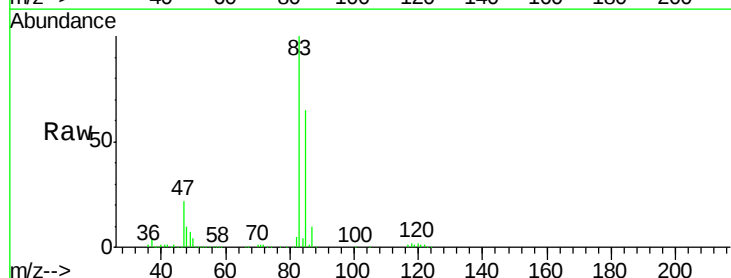
RT: 5.21 min Scan# 666

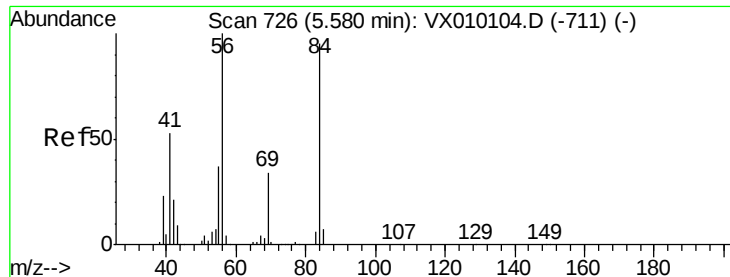
Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion:	83	Resp:	234965
Ion Ratio		Lower	Upper
83	100		
85	64.8	52.6	78.8





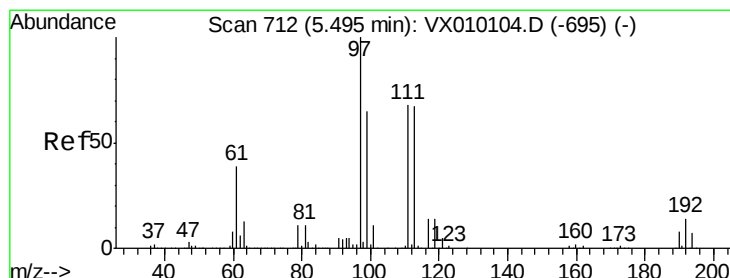
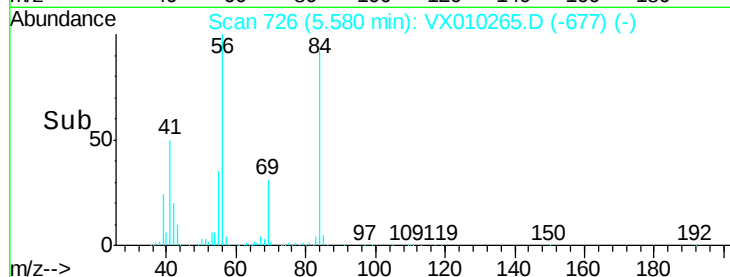
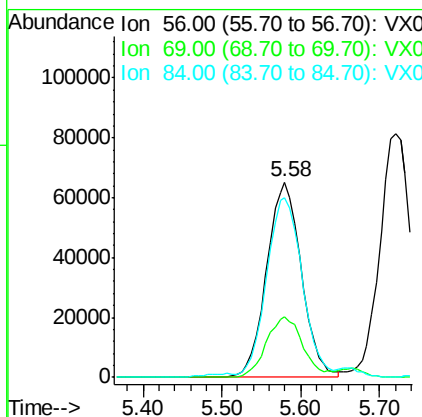
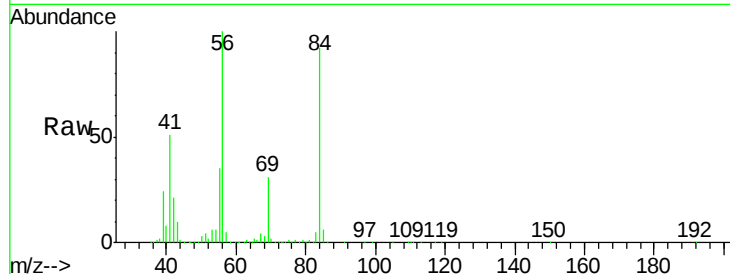
#31
Cyclohexane
Concen: 47.678 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	21.6	32.4
84	91.8	56.8	85.2

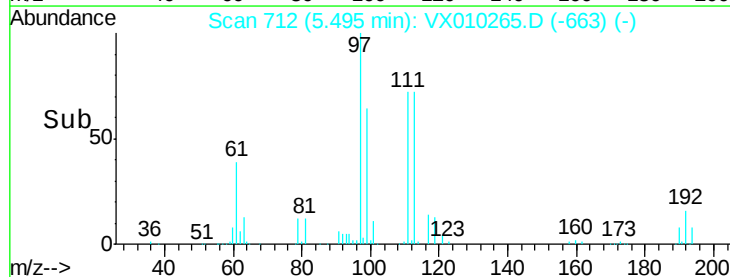
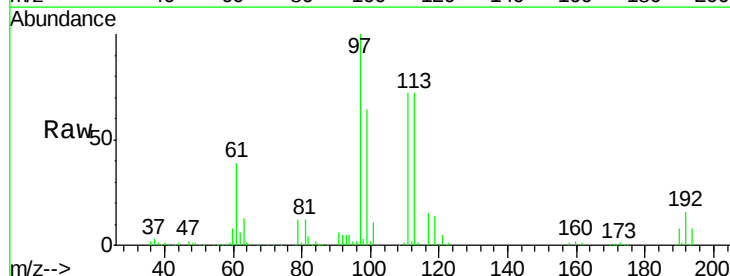
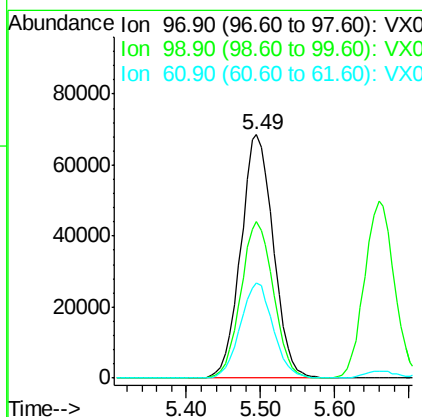
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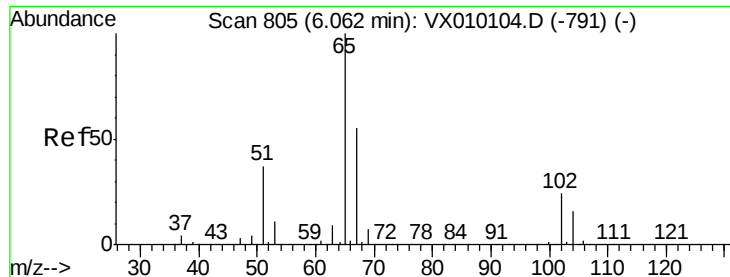
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6/13/2019 9:20:44 AM



#32
1,1,1-Trichloroethane
Concen: 46.592 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	39.3	38.7	58.1





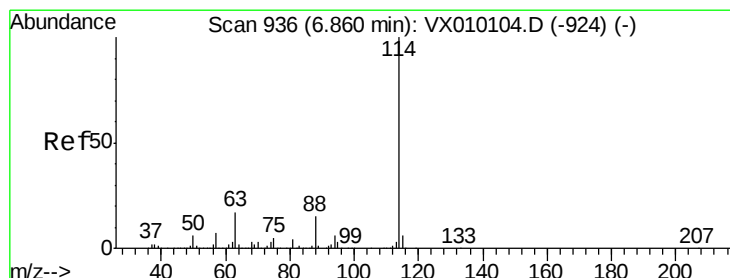
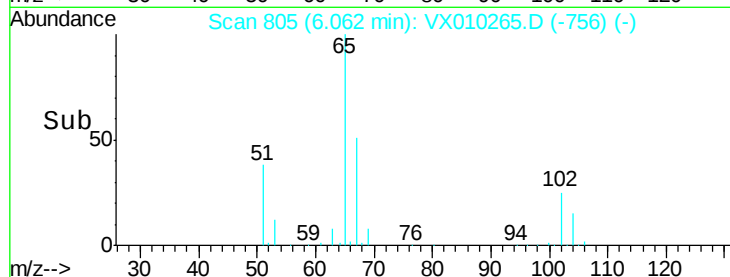
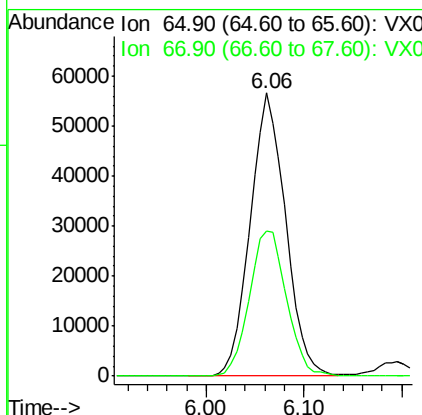
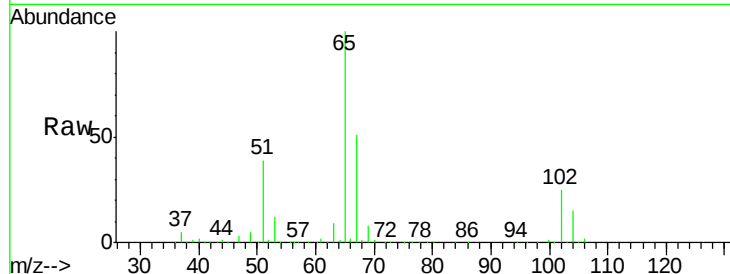
#33
 1,2-Dichloroethane-d4
 Concen: 49.658 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.4

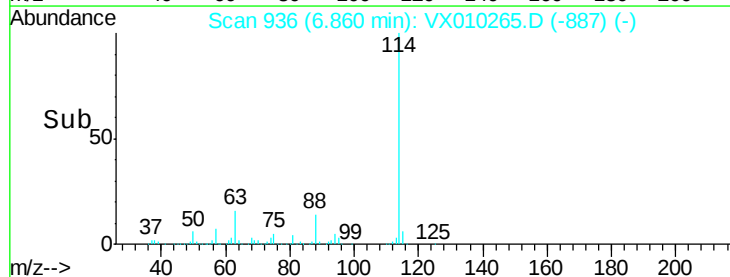
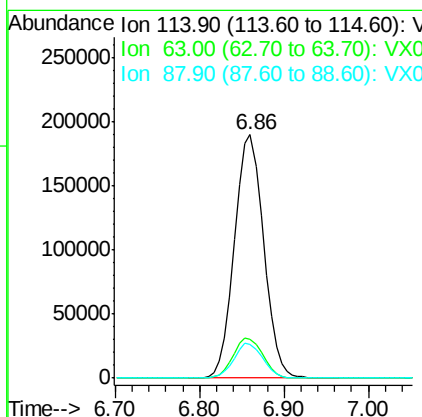
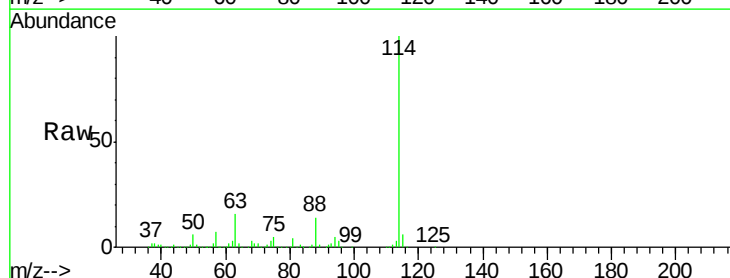
Manual Integrations
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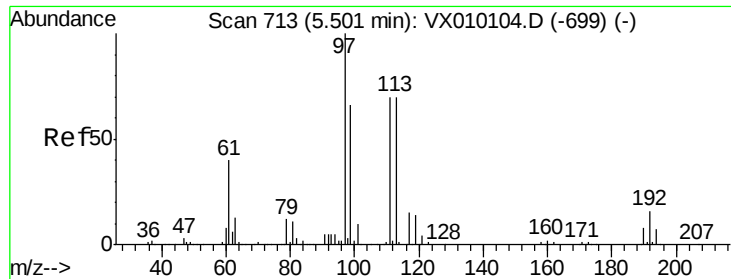
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 6/13/2019 9:20:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	47.4
88	13.9	0.0	33.0





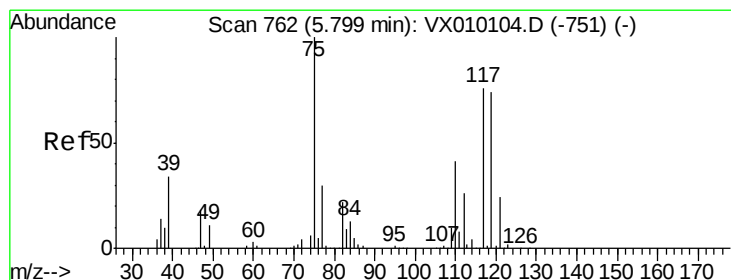
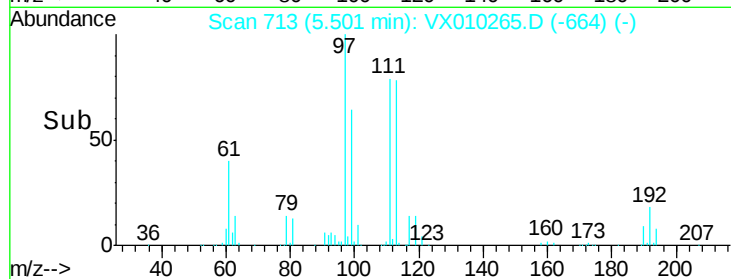
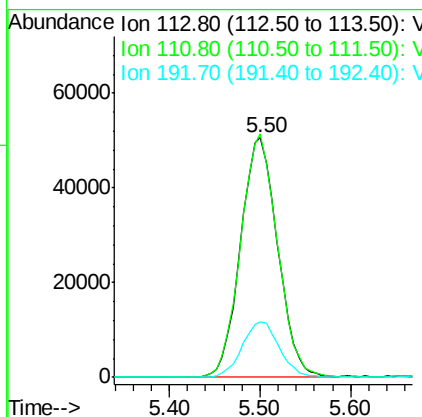
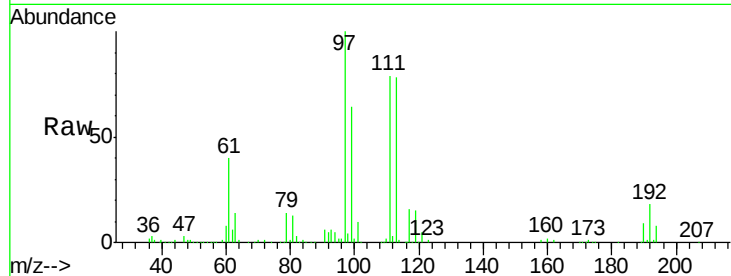
#35
Dibromofluoromethane
Concen: 52.299 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143742		
111	100.6	82.2	123.2	
192	23.3	17.1	25.7	

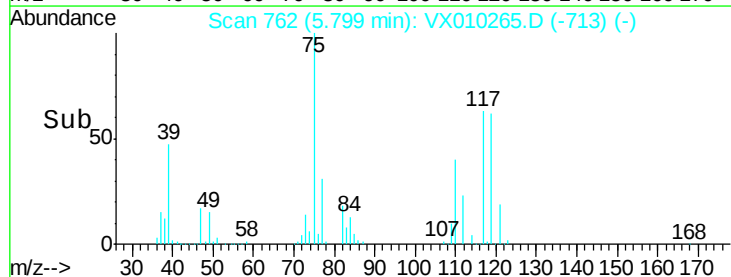
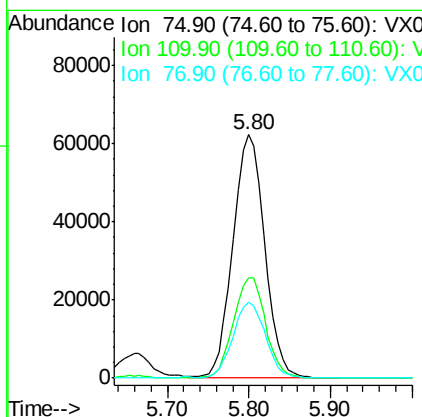
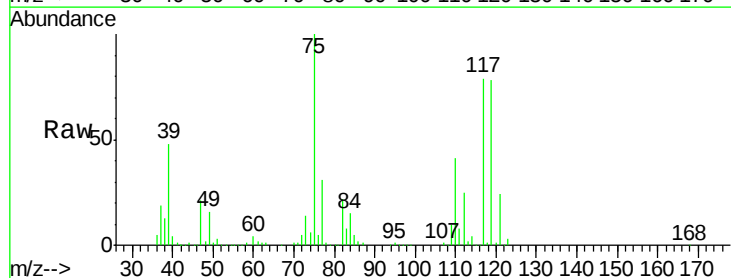
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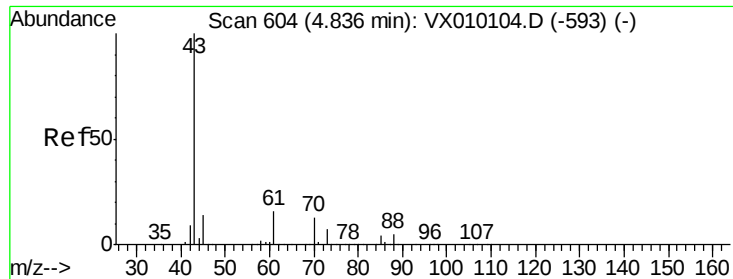
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.094 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	167566		
110	42.1	16.7	50.1	
77	32.2	25.0	37.4	





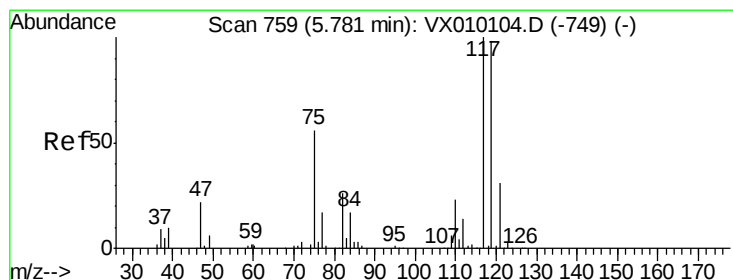
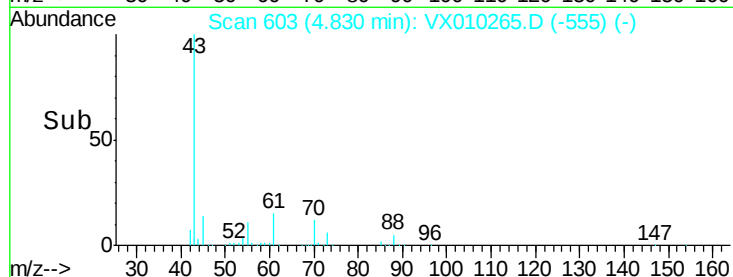
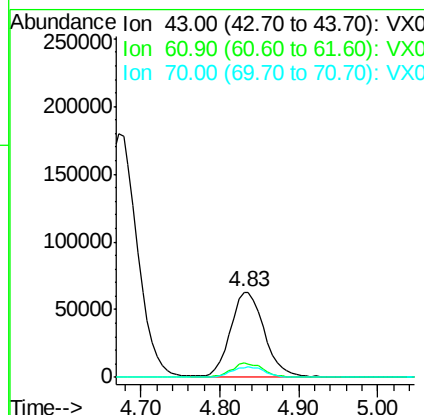
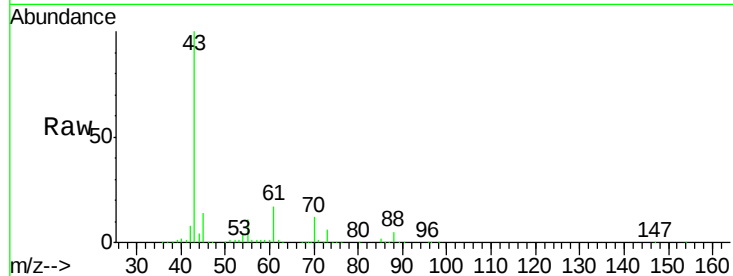
#37
Ethyl Acetate
Concen: 49.628 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.2	15.2#
70	12.4	7.4	11.2#

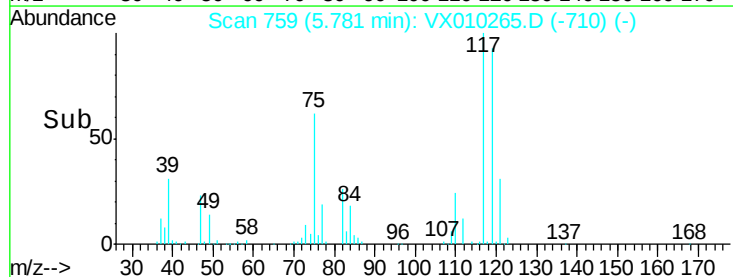
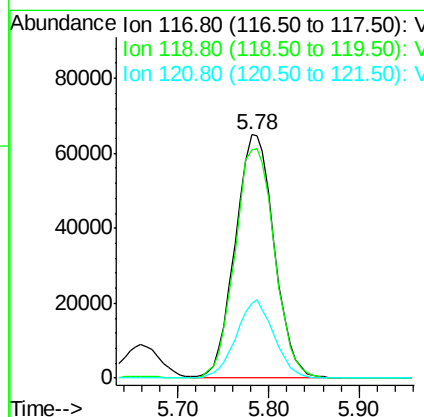
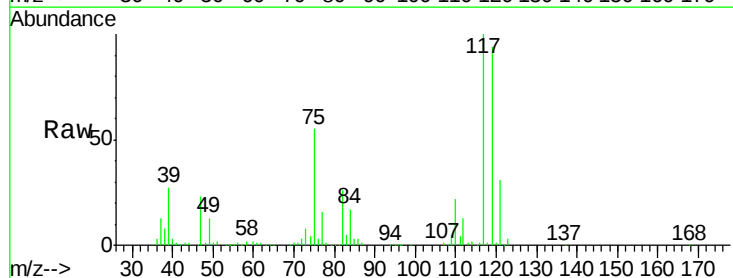
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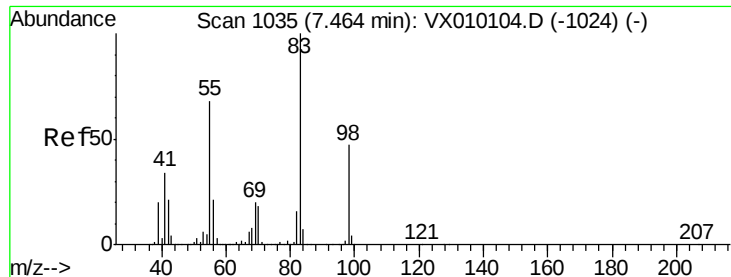
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.932 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.3	115.9
121	30.9	25.4	38.0





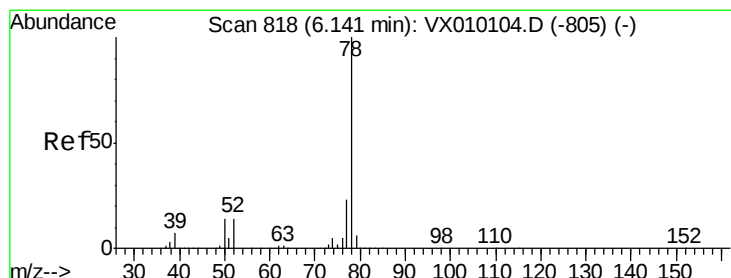
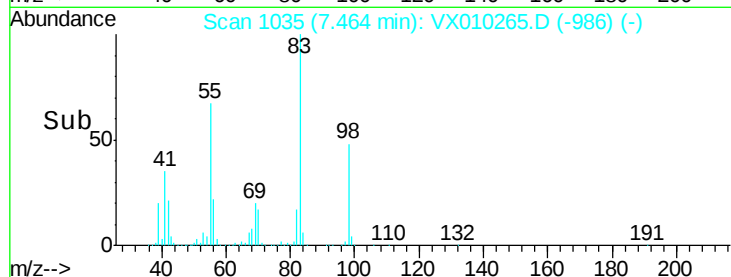
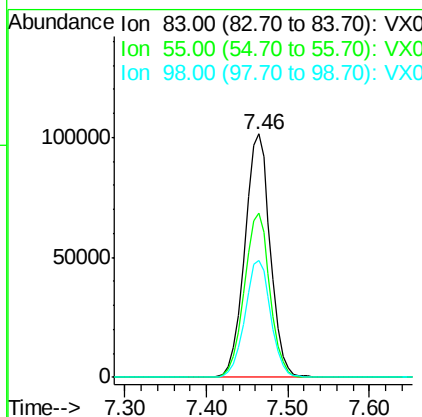
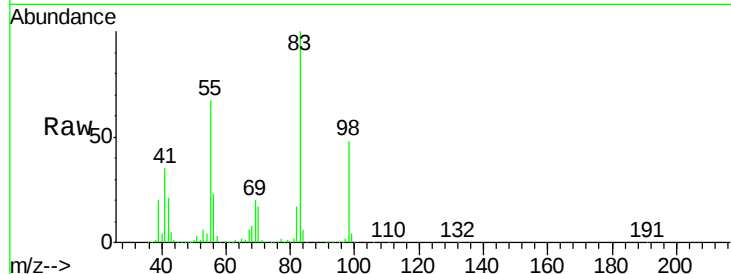
#39
Methvlcvclohexane
Concen: 44.369 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	219635		
55	67.2	69.9	104.9#	
98	47.9	35.1	52.7	

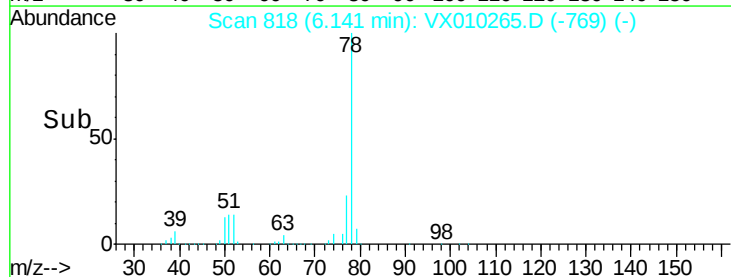
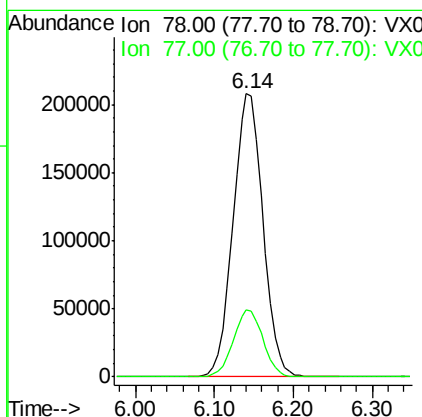
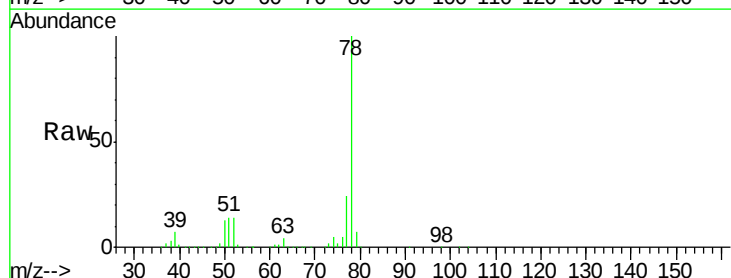
Manual Integrations
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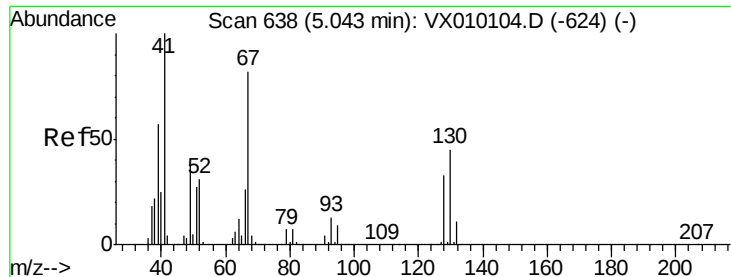
MMDadoda
6/13/2019 9:20:44 AM



#40
Benzene
Concen: 48.705 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	547498		
77	23.7	19.2	28.8	





#41

Methacrylonitrile

Concen: 49.362 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 100997
Ion Ratio Lower Upper

41 100

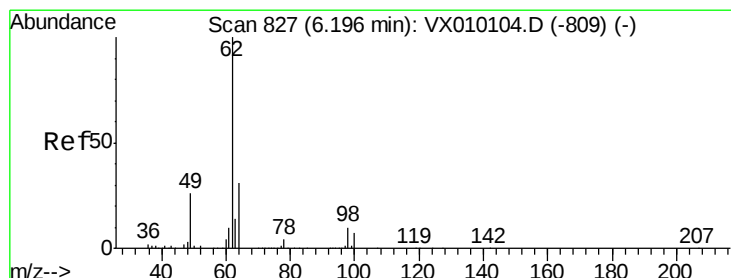
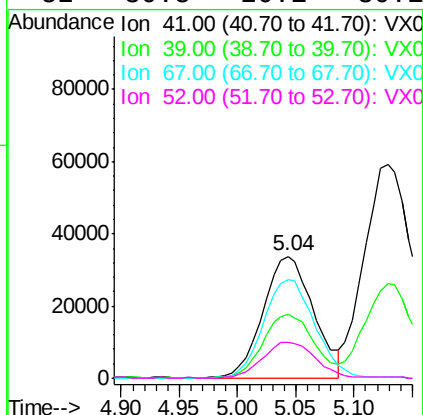
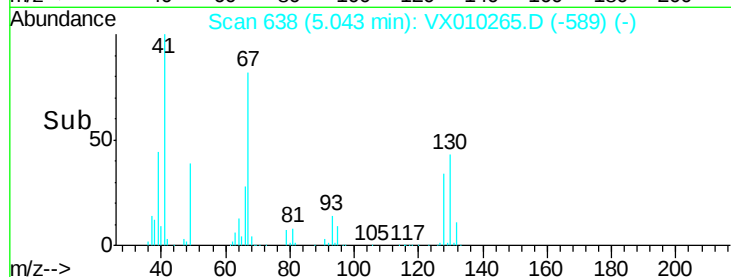
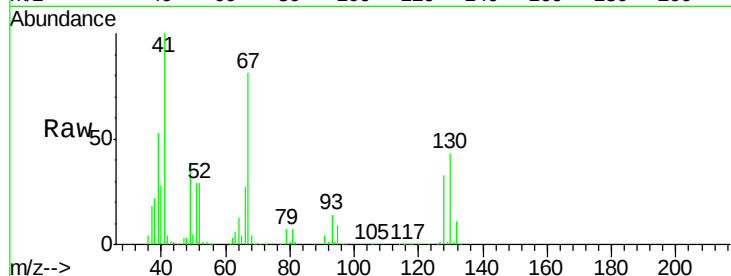
39 53.2 42.2 63.4

67 83.7 48.9 73.3#

52 30.8 20.1 30.1#

Manual Integrations
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6/13/2019 9:20:44 AM



#42

1,2-Dichloroethane

Concen: 46.712 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

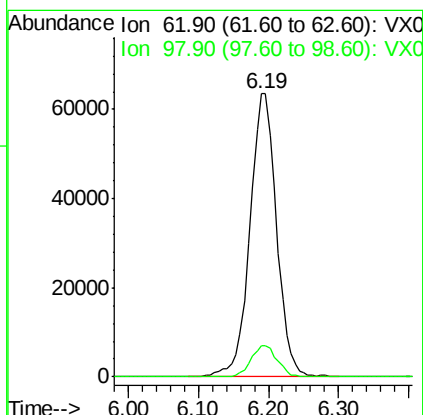
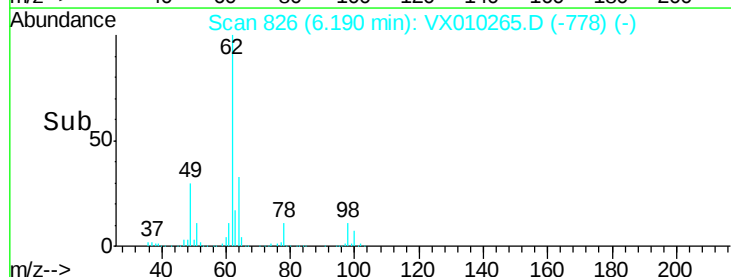
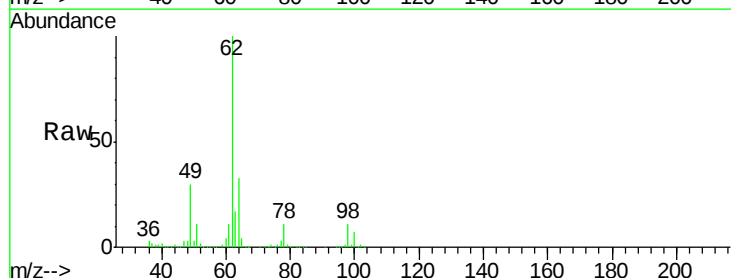
Lab File: VX010265.D

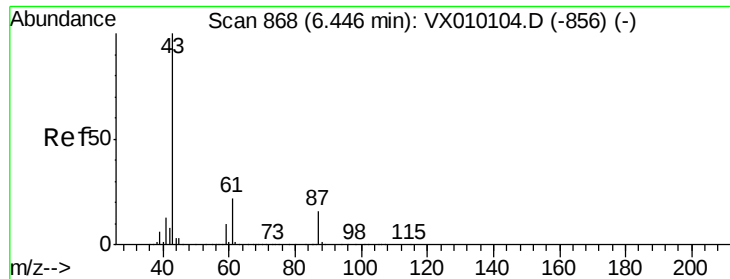
Acq: 12 Jun 2019 20:51

Tgt Ion: 62 Resp: 167637
Ion Ratio Lower Upper

62 100

98 11.0 0.0 17.2





#43

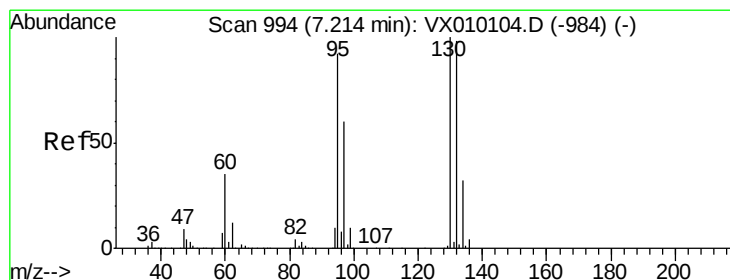
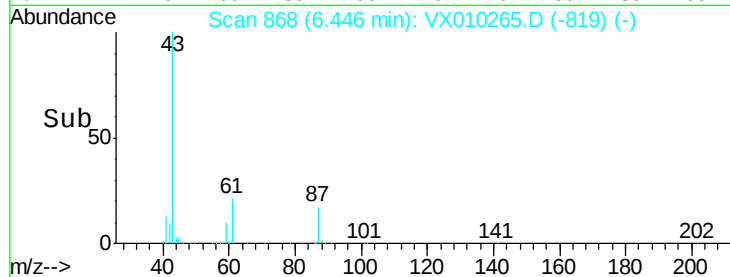
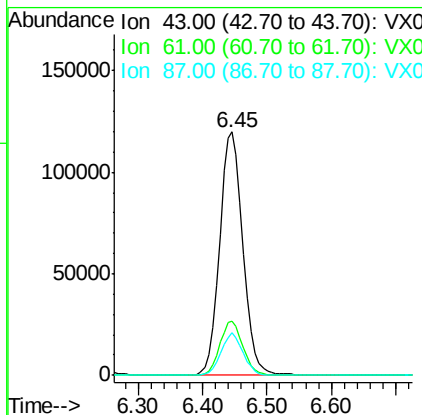
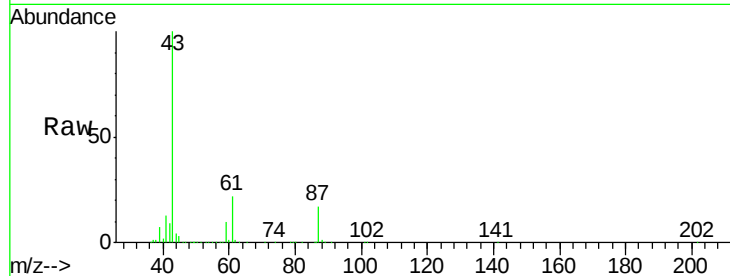
Isopropyl Acetate
 Concen: 47.940 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	14.6	21.8#
87	16.7	8.7	13.1#

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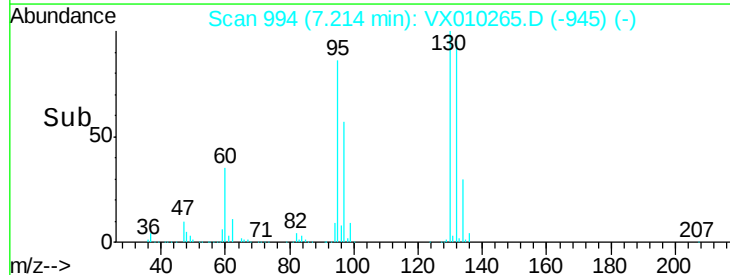
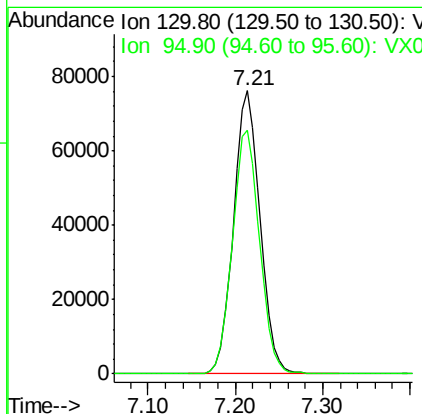
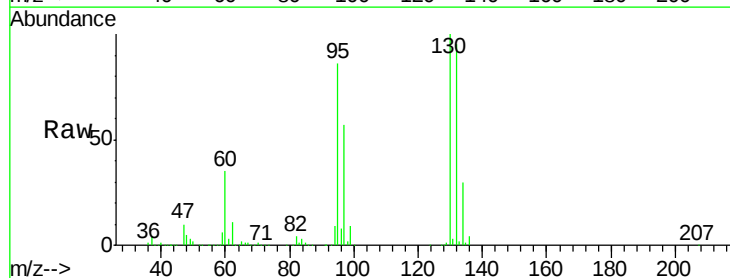
MMDadoda
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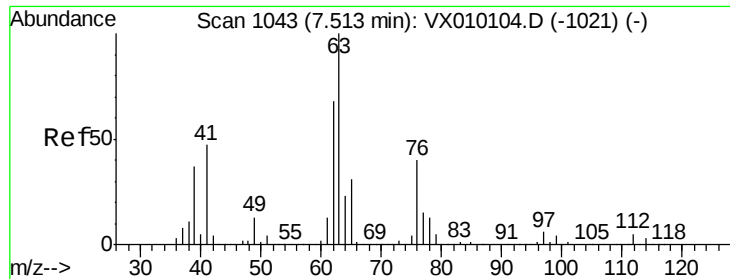


#44

Trichloroethene
 Concen: 47.519 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	207.4





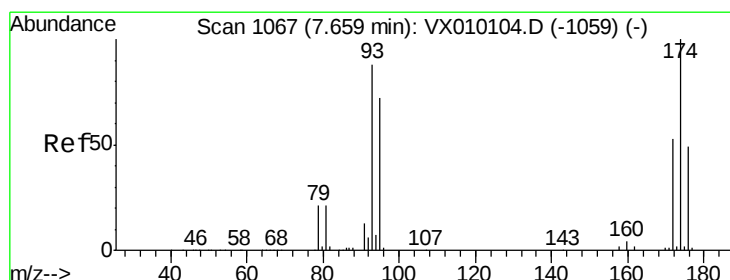
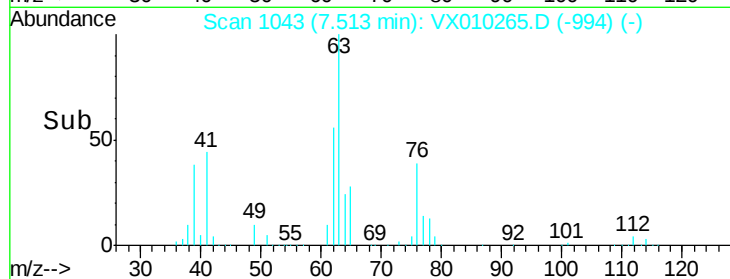
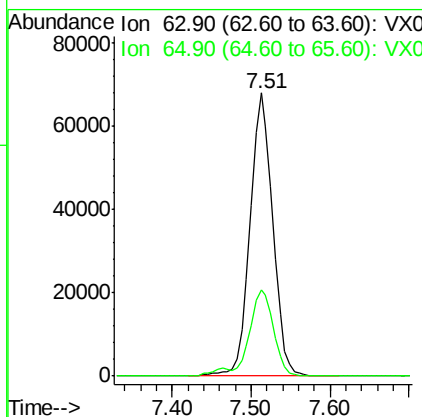
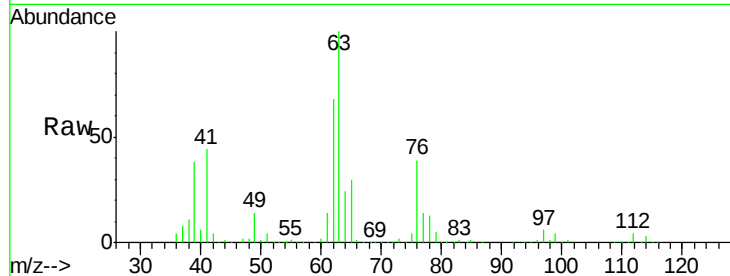
#45
 1,2-Dichloropropane
 Concen: 48.365 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 136076
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.7 38.5

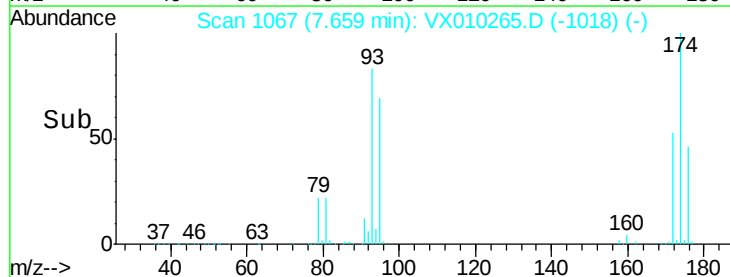
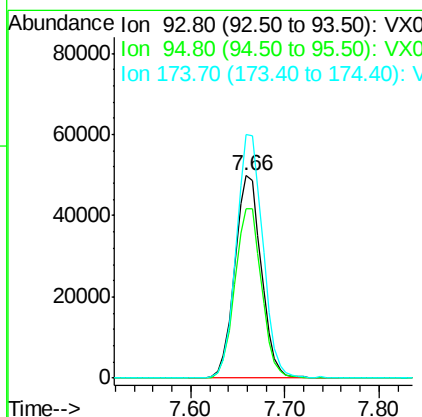
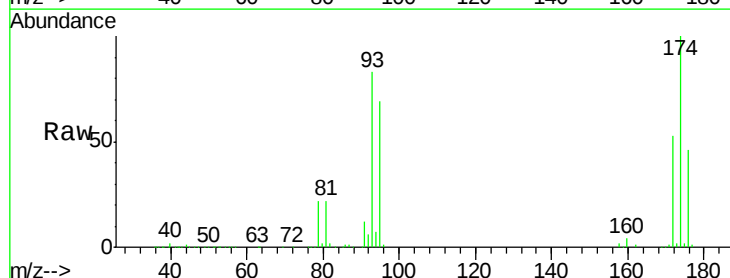
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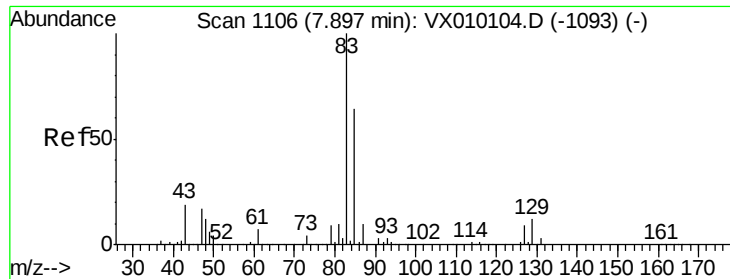
MMDadoda
 6/13/2019 9:20:44 AM



#46
 Dibromomethane
 Concen: 46.526 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion: 93 Resp: 98070
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.8 100.2
 174 120.1 81.9 122.9





#47

Bromodichloromethane

Concen: 47.580 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

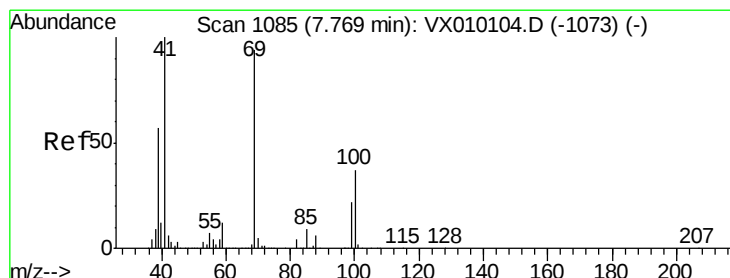
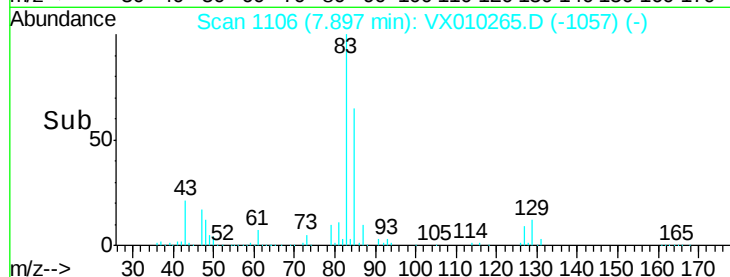
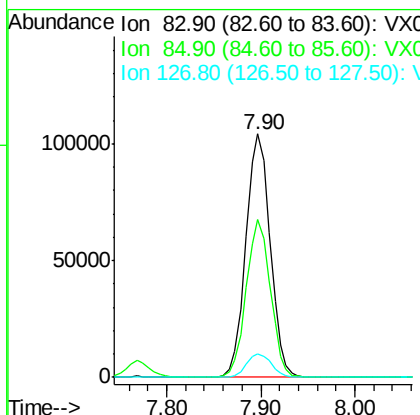
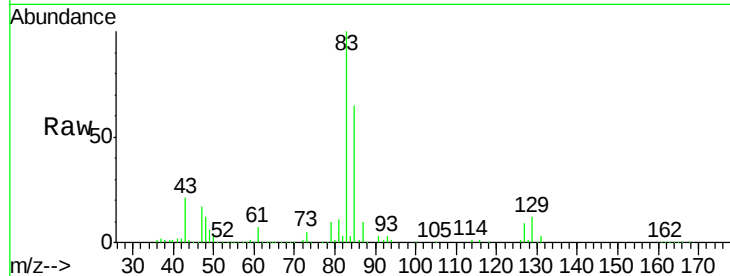
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187403
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.4	77.2
127	9.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.459 ug/l

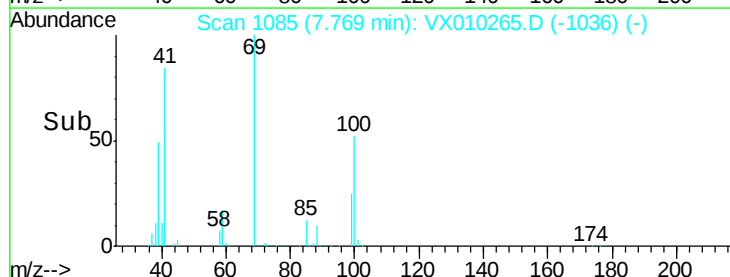
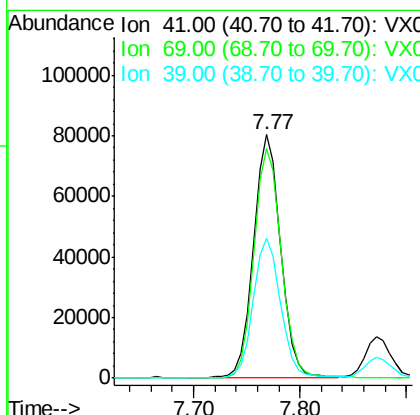
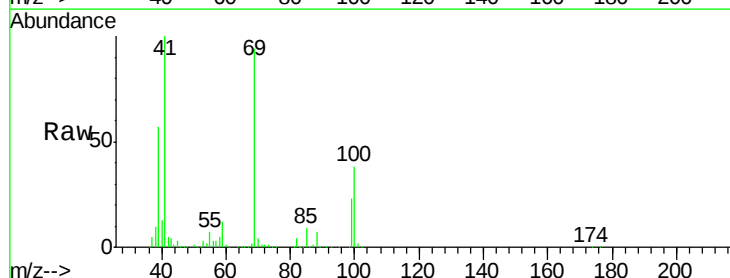
RT: 7.77 min Scan# 1085

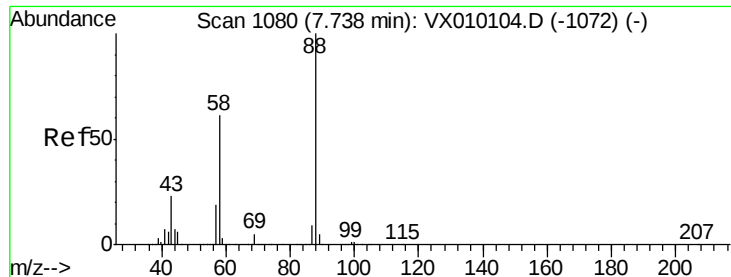
Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion:	41	Resp:	143325
Ion Ratio	Lower	Upper	
41	100		
69	95.9	56.4	84.6#
39	57.8	40.6	60.8





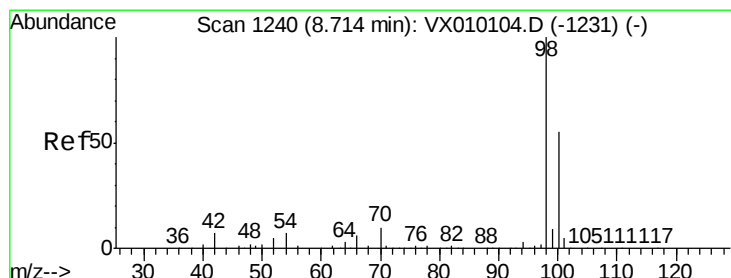
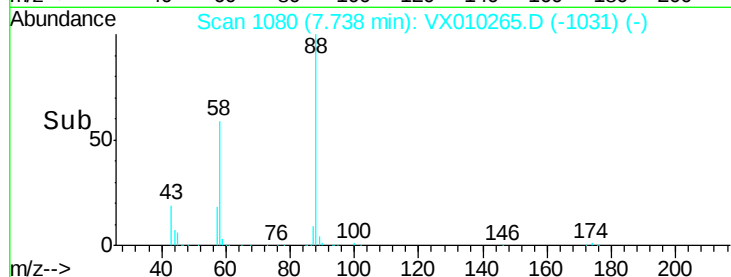
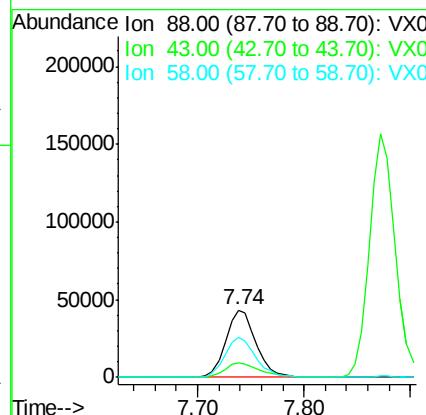
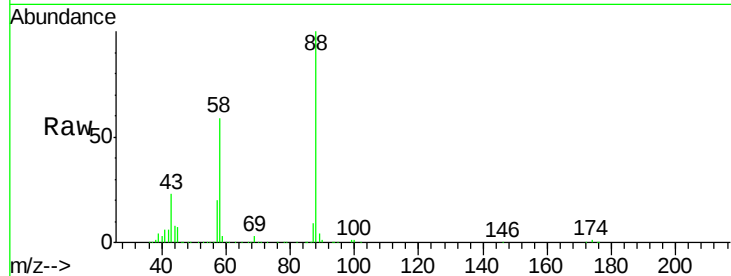
#49
1,4-Dioxane
Concen: 1013.960 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.7	30.2	45.4#
58	60.8	64.0	96.0#

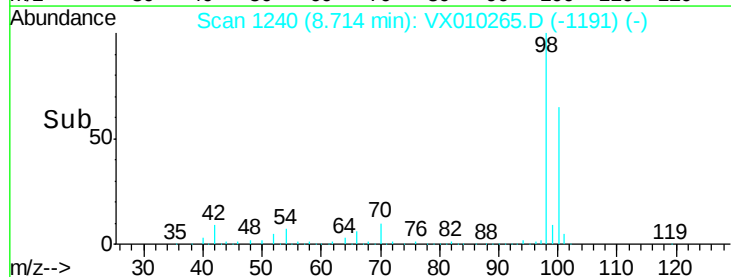
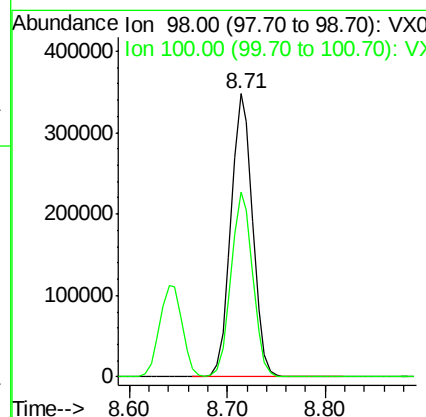
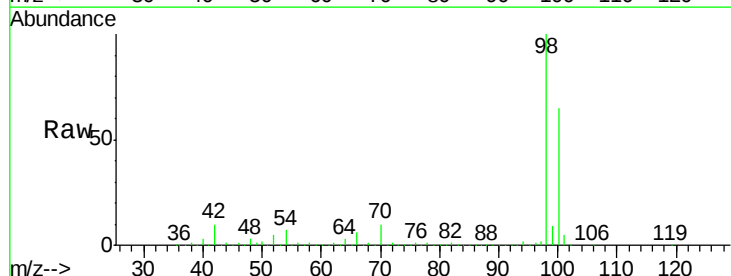
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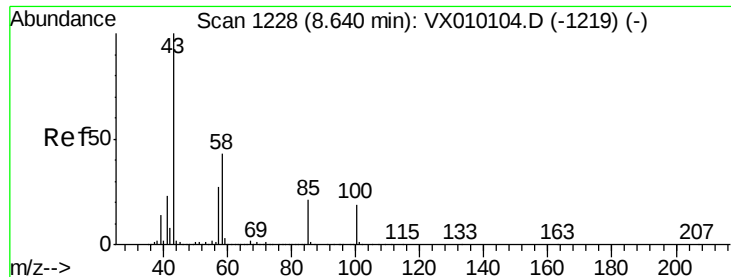
MMDadoda
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#50
Toluene-d8
Concen: 51.857 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 261.246 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 987006

Ion Ratio Lower Upper

43 100

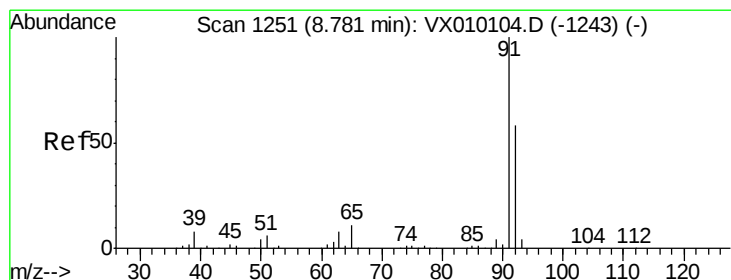
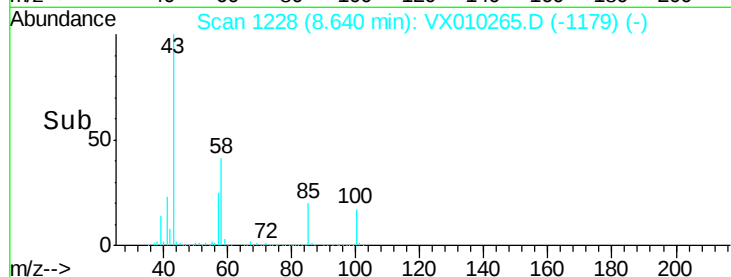
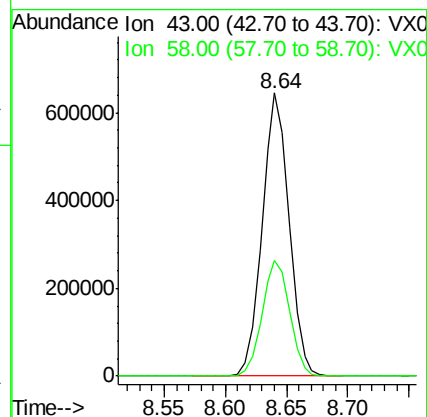
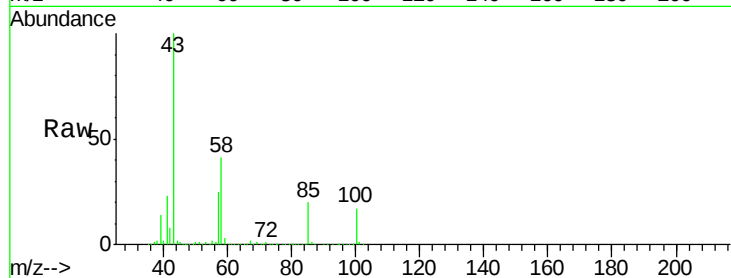
58 41.9 28.8 43.2

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#52

Toluene

Concen: 48.328 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010265.D

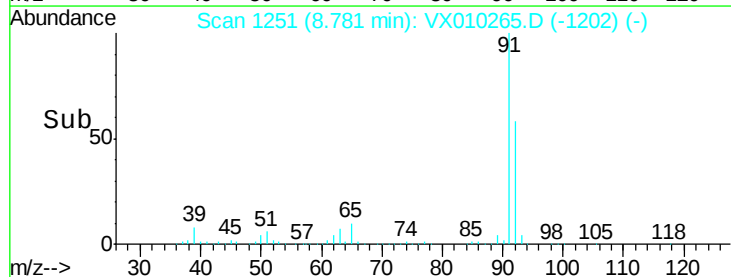
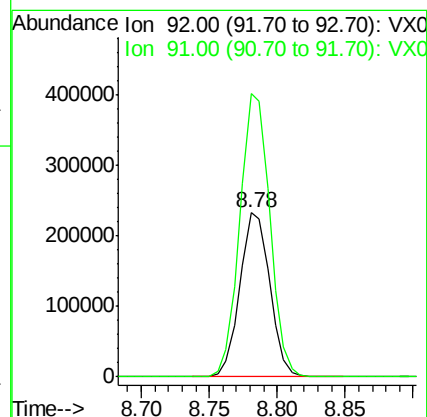
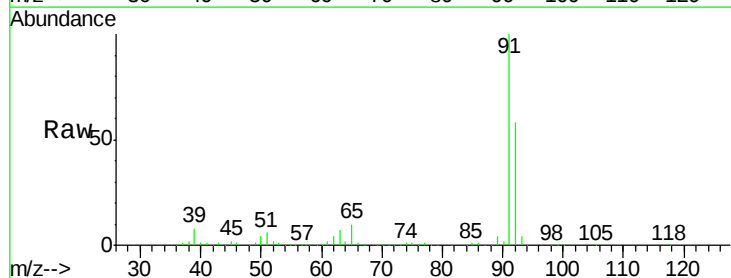
Acq: 12 Jun 2019 20:51

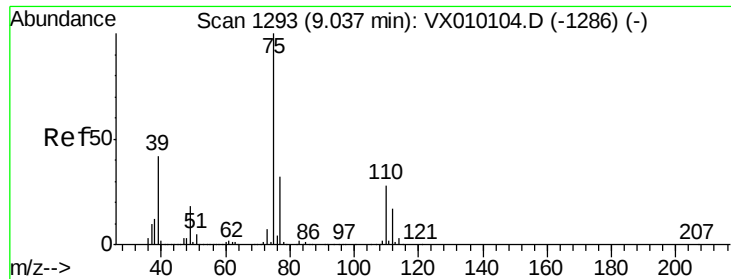
Tgt Ion: 92 Resp: 357108

Ion Ratio Lower Upper

92 100

91 173.6 139.9 209.9





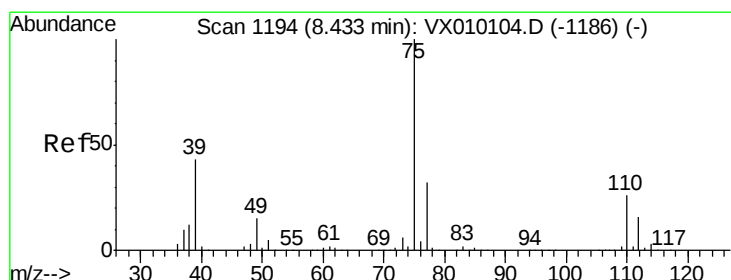
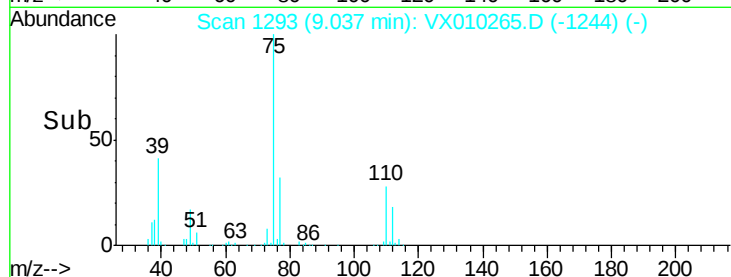
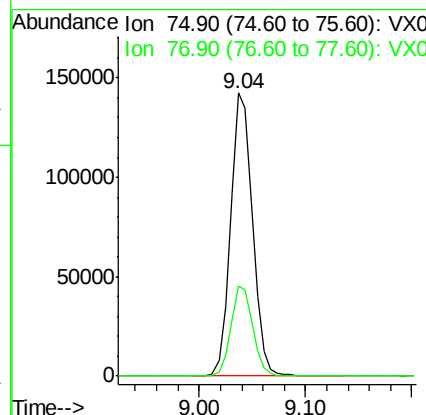
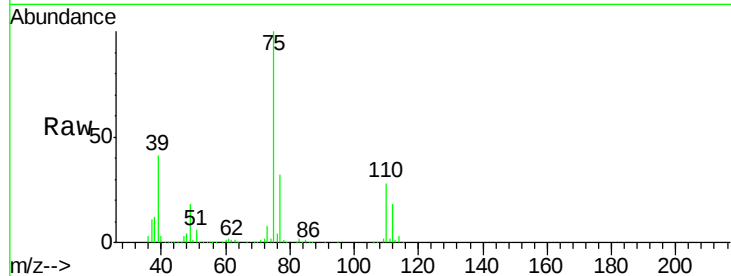
#53
 t-1,3-Dichloropropene
 Concen: 45.181 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 205834
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 36.8

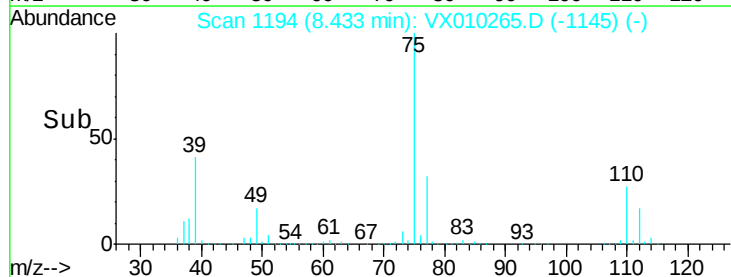
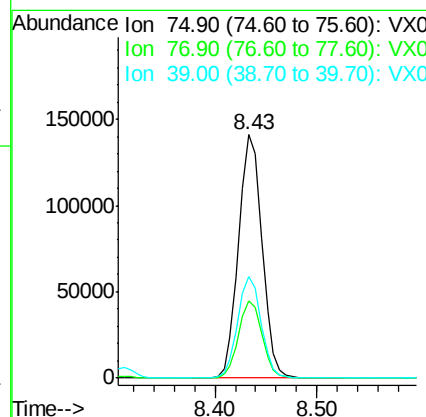
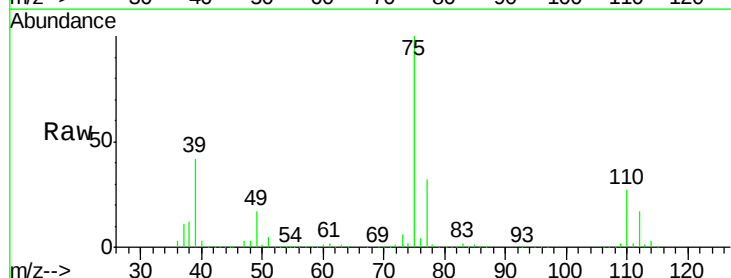
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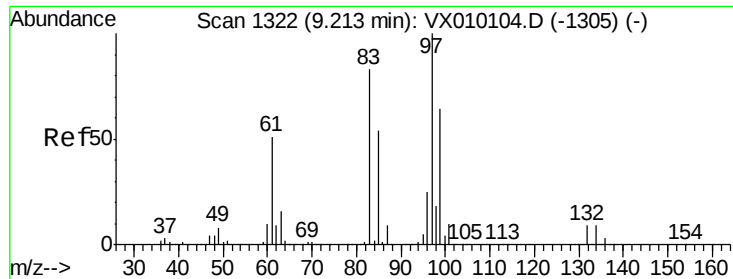
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#54
 cis-1,3-Dichloropropene
 Concen: 45.836 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion: 75 Resp: 223865
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 41.5 43.4 65.0#





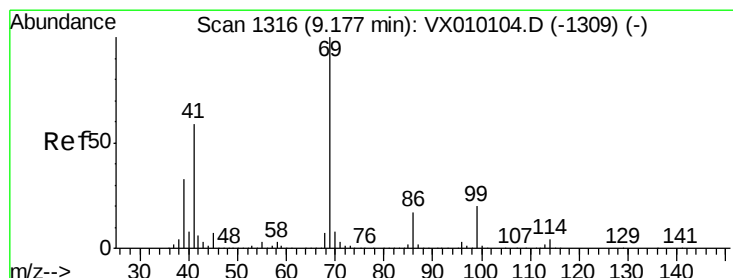
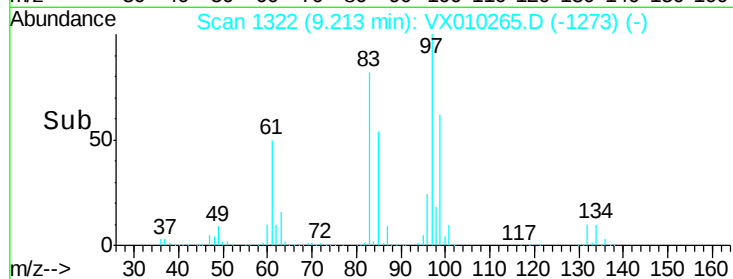
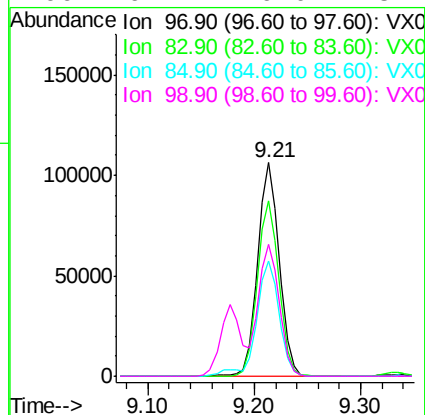
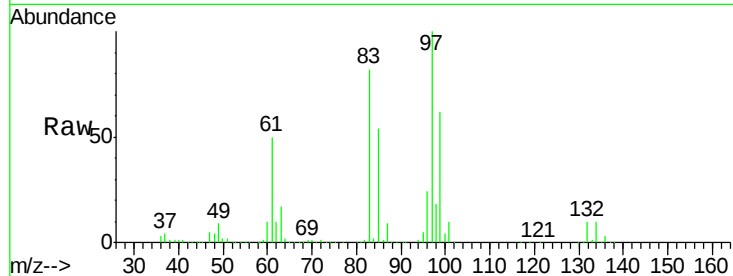
#55
 1,1,2-Trichloroethane
 Concen: 50.164 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	151808
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.8	104.8
85	53.9	45.3	67.9
99	61.7	49.0	73.4

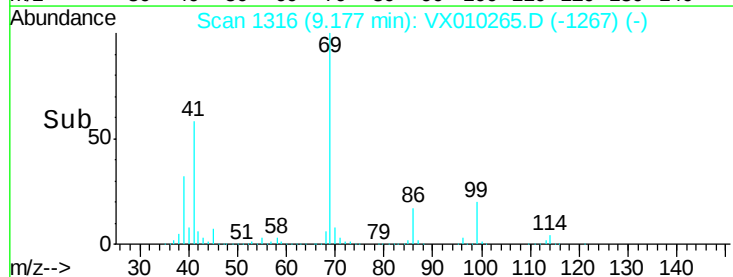
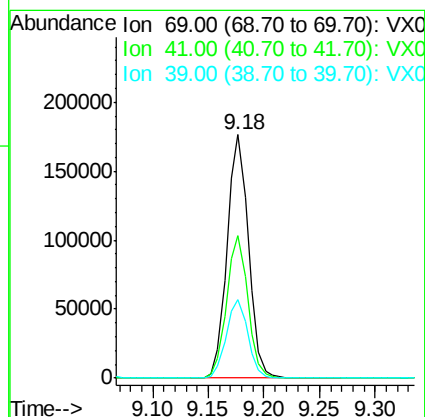
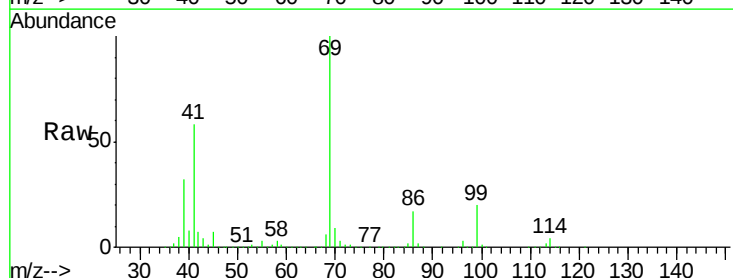
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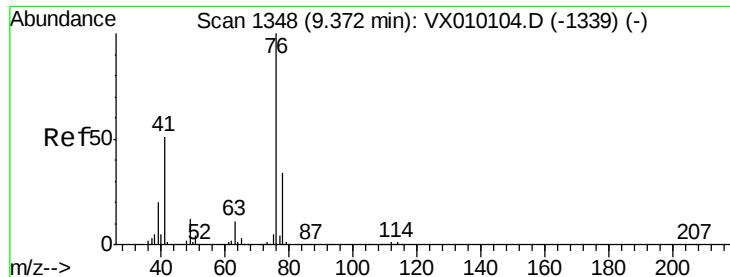
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#56
 Ethyl methacrylate
 Concen: 49.061 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion:	69	Resp:	234532
Ion	Ratio	Lower	Upper
69	100		
41	58.0	62.7	94.1#
39	32.8	29.5	44.3





#57

1,3-Dichloropropane

Concen: 48.512 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 231128

Ion Ratio Lower Upper

76 100

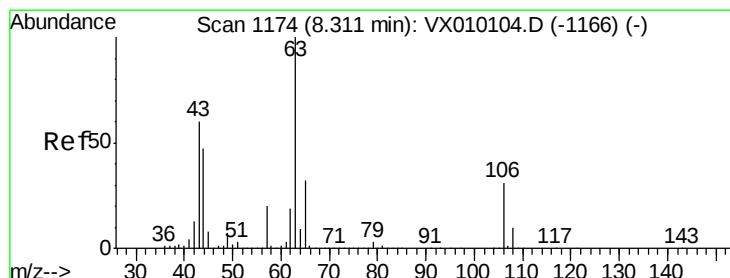
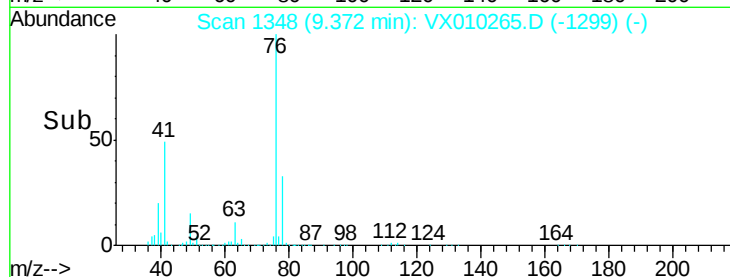
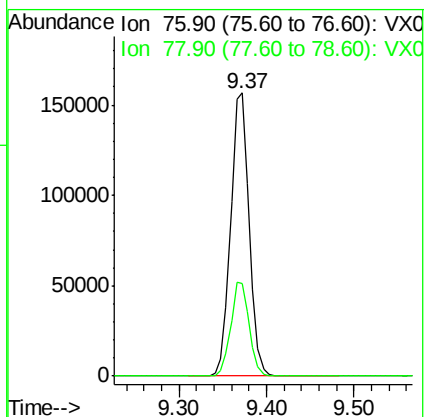
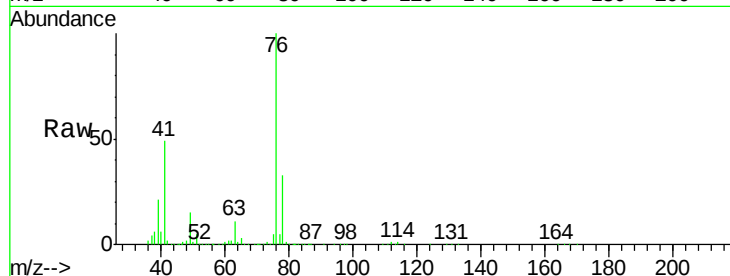
78 33.1 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 242.781 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010265.D

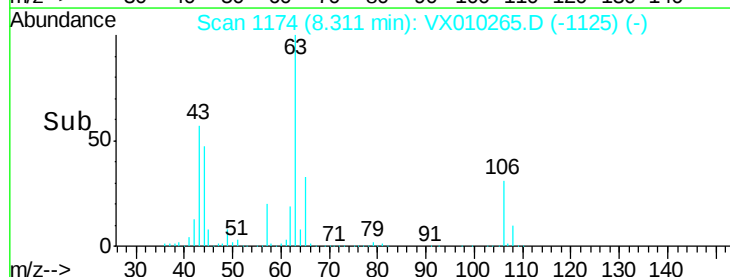
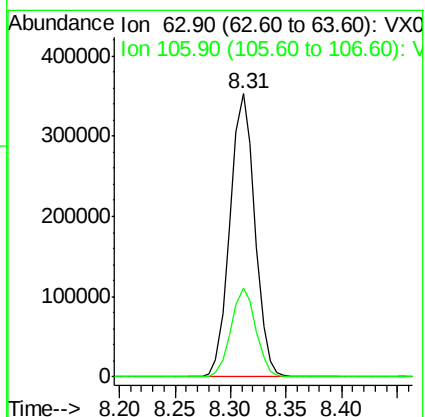
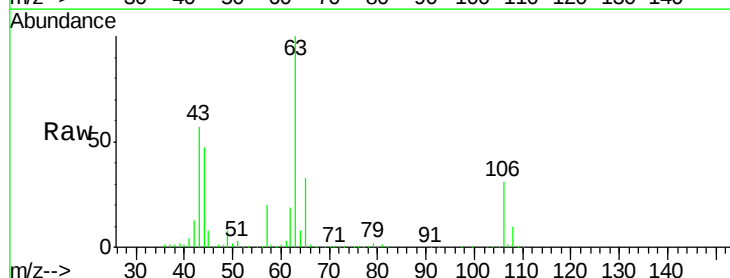
Acq: 12 Jun 2019 20:51

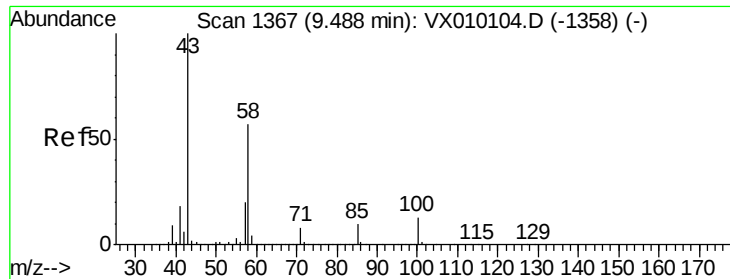
Tgt Ion: 63 Resp: 547127

Ion Ratio Lower Upper

63 100

106 31.3 19.4 29.2#





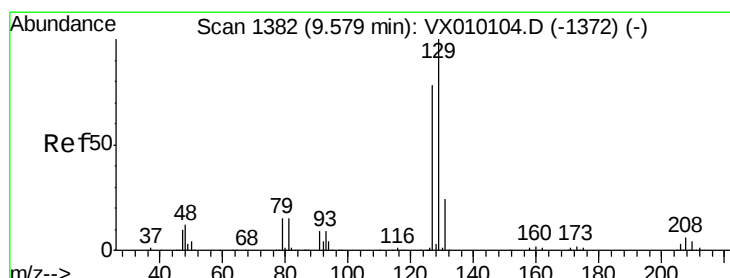
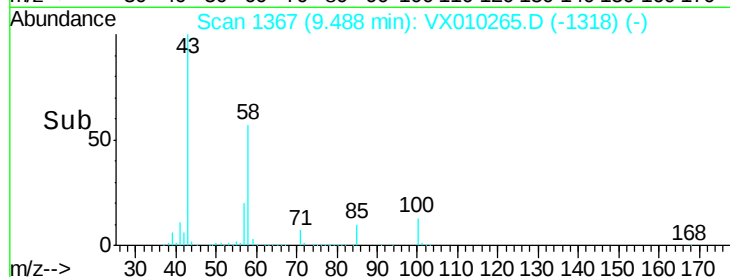
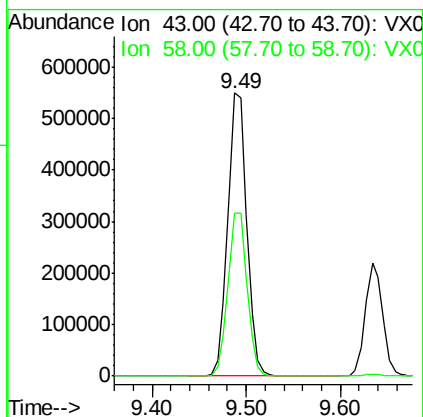
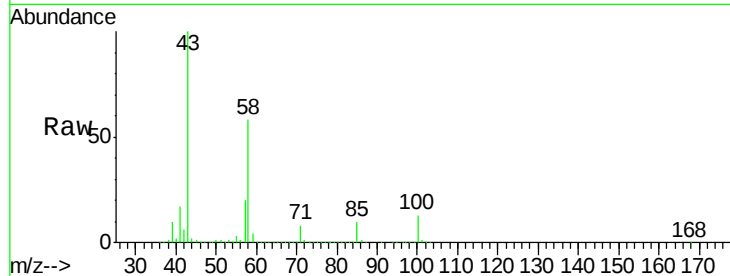
#59
2-Hexanone
Concen: 256.420 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 772412
Ion Ratio Lower Upper
43 100
58 58.4 25.1 75.3

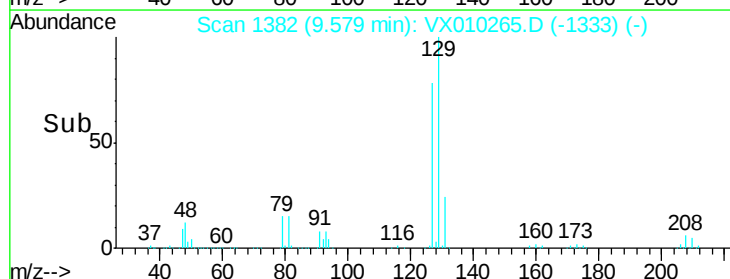
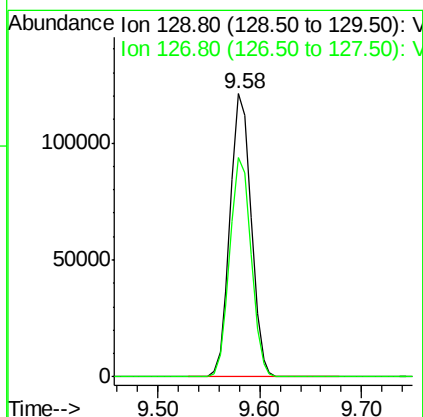
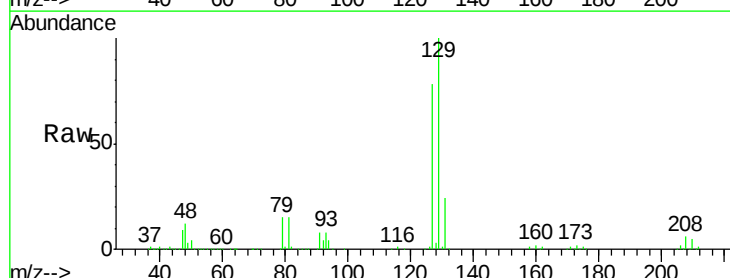
Manual Integrations
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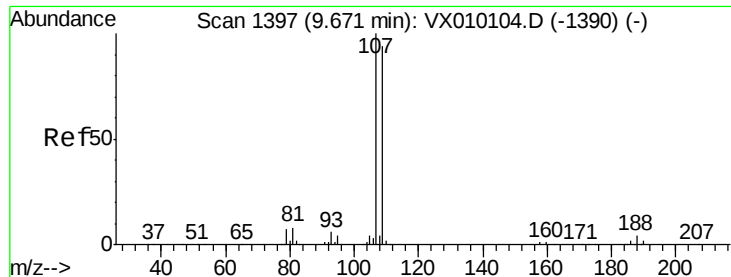
MMDadoda
6/13/2019 9:20:44 AM



#60
Dibromochloromethane
Concen: 48.260 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion: 129 Resp: 172745
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.471 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 163367

Ion Ratio Lower Upper

107 100

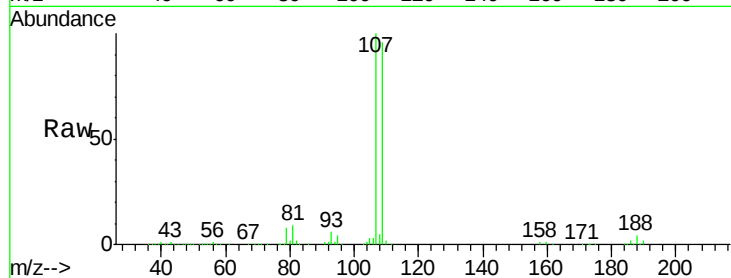
109 94.4 75.4 113.2

Manual Integrations

APPROVED

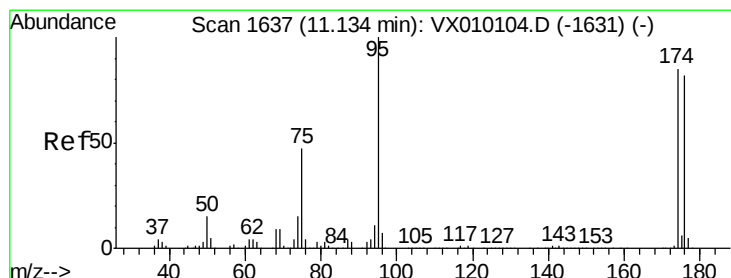
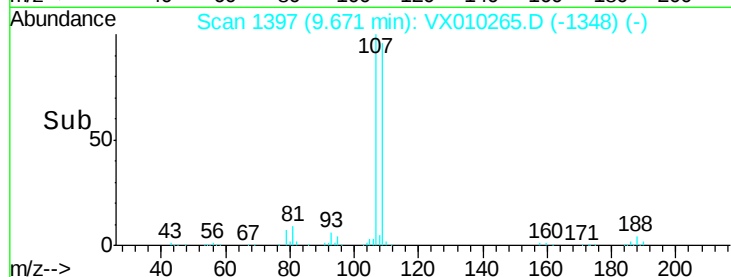
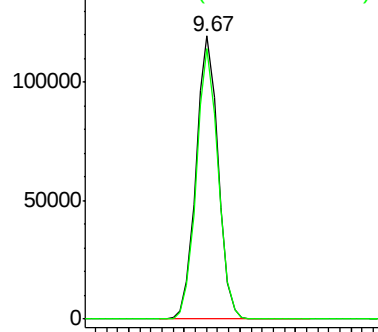
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.393 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

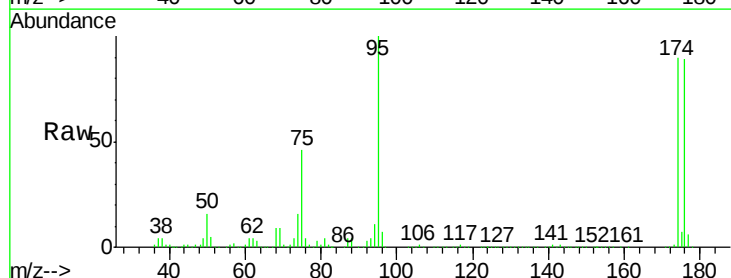
Tgt Ion: 95 Resp: 197706

Ion Ratio Lower Upper

95 100

174 94.1 0.0 160.4

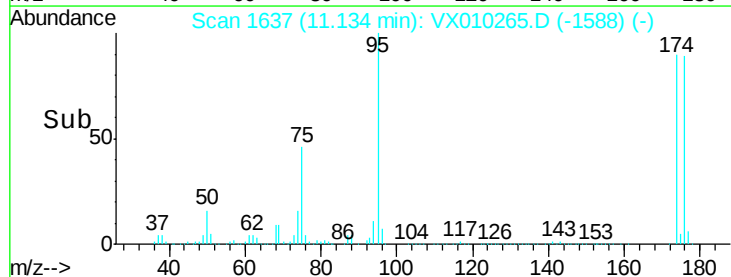
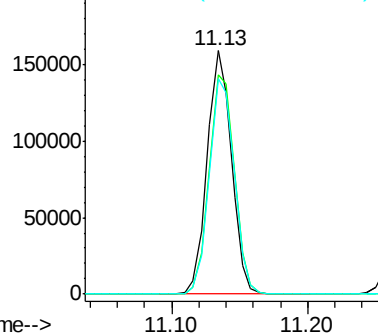
176 91.1 0.0 154.6

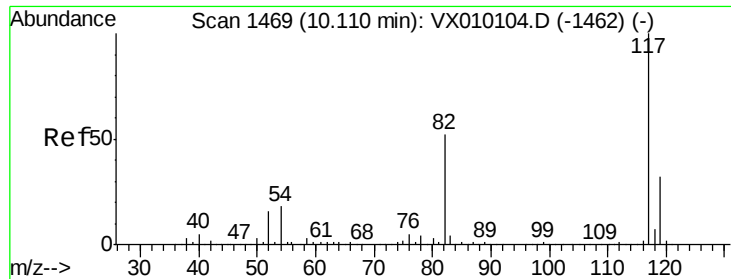


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

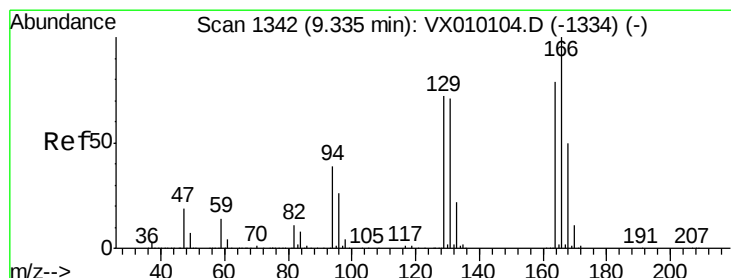
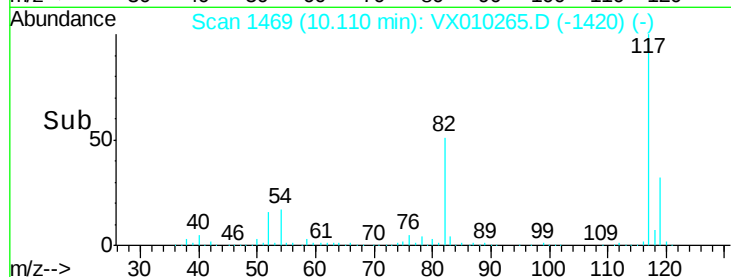
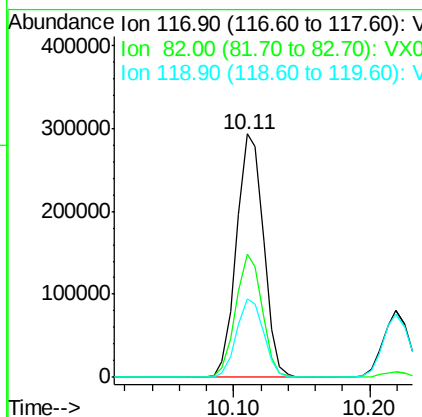
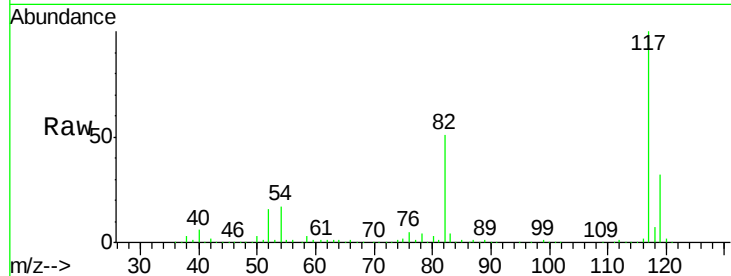
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	406303
Ion Ratio	Lower	Upper	
117	100		
82	50.7	49.2	73.8
119	32.2	25.2	37.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 49.120 ug/l

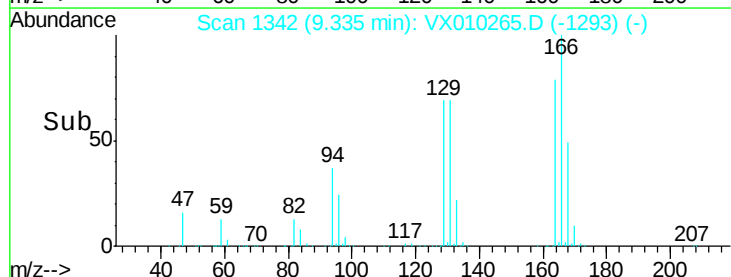
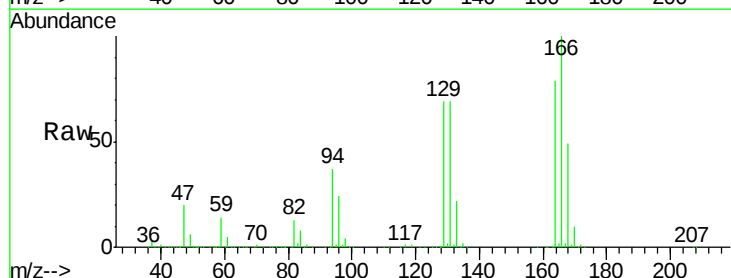
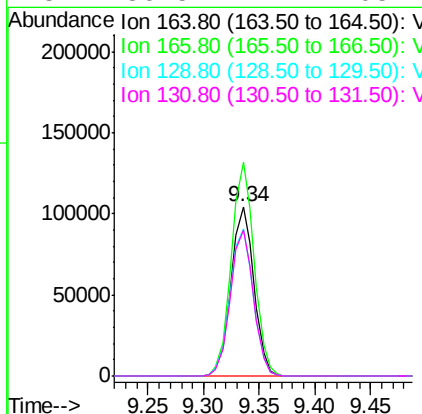
RT: 9.34 min Scan# 1342

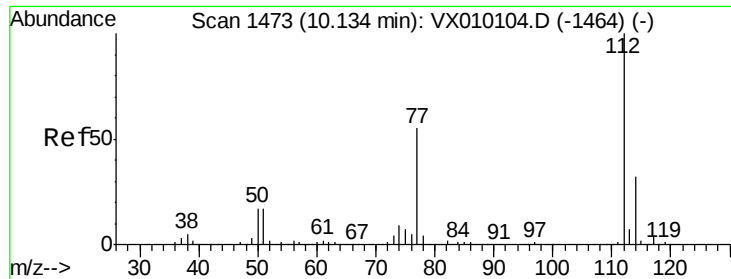
Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion:	164	Resp:	148228
Ion Ratio	Lower	Upper	
164	100		
166	126.0	105.0	157.4
129	86.8	75.1	112.7
131	86.5	72.2	108.4





#65

Chlorobenzene

Concen: 48.773 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 408998

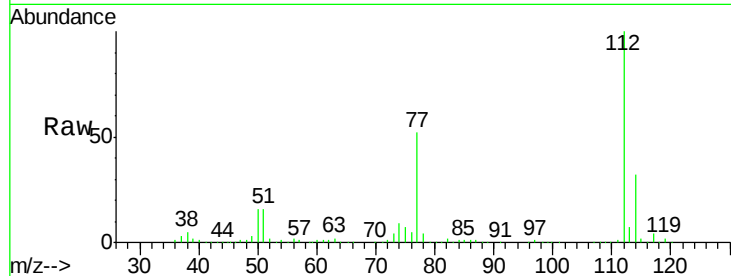
Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8

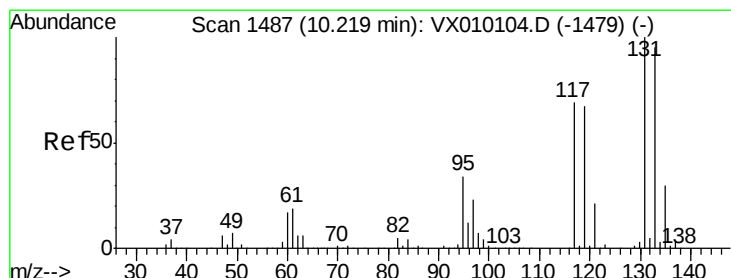
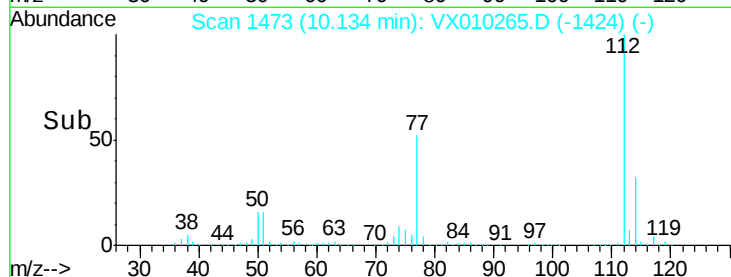
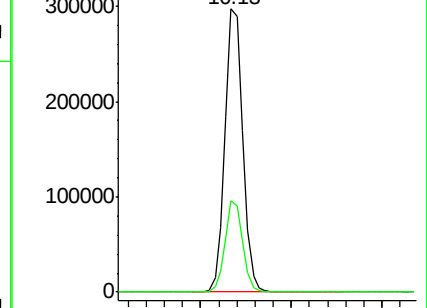
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.646 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

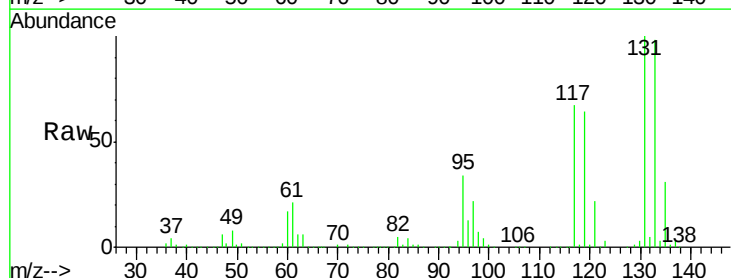
Tgt Ion:131 Resp: 156875

Ion Ratio Lower Upper

131 100

133 96.6 47.5 142.6

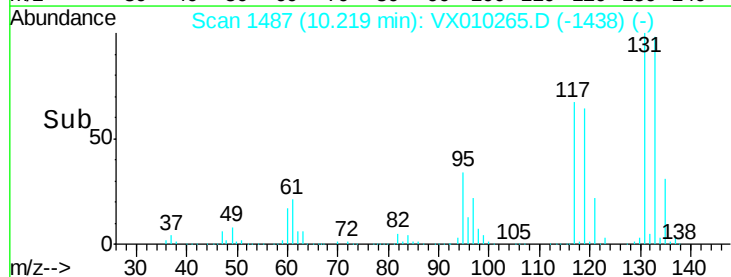
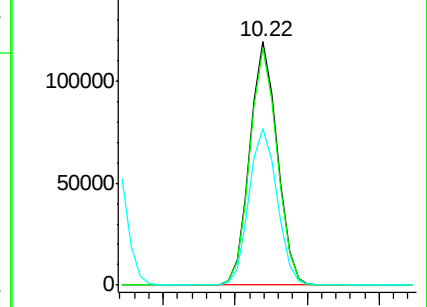
119 66.1 33.4 100.1

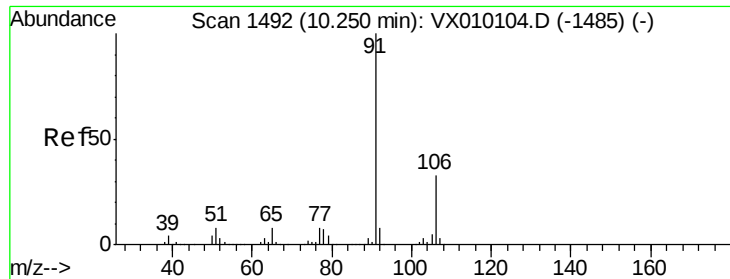


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





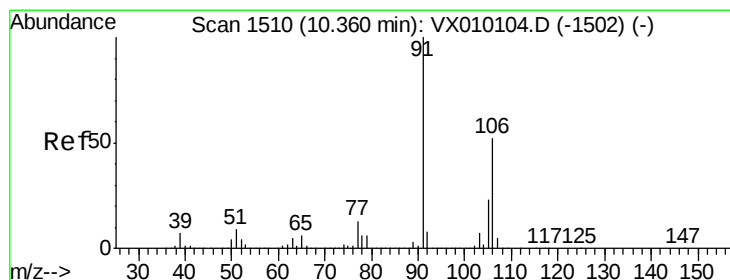
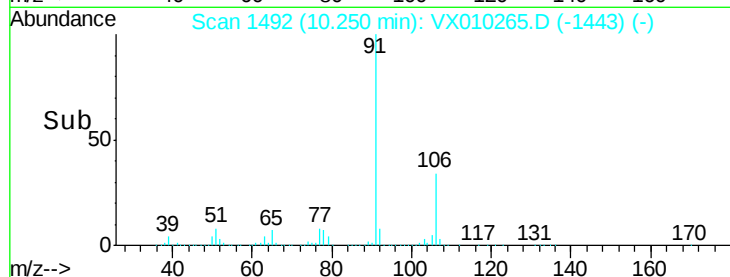
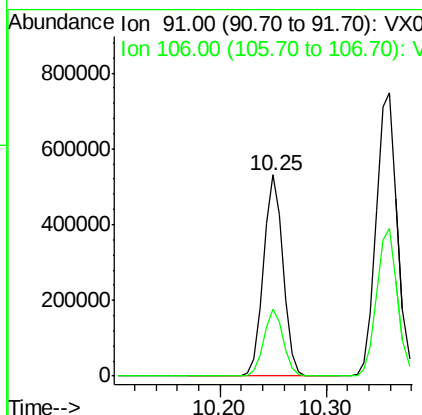
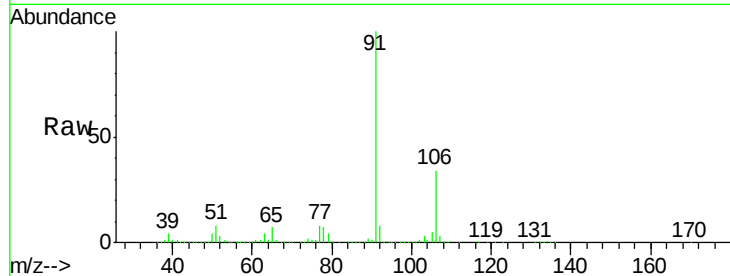
#67
Ethyl Benzene
Concen: 48.047 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.6	23.9	35.9

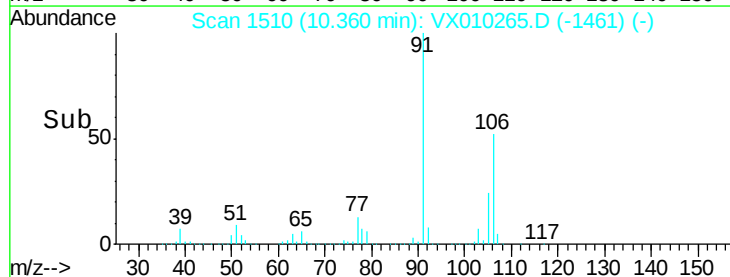
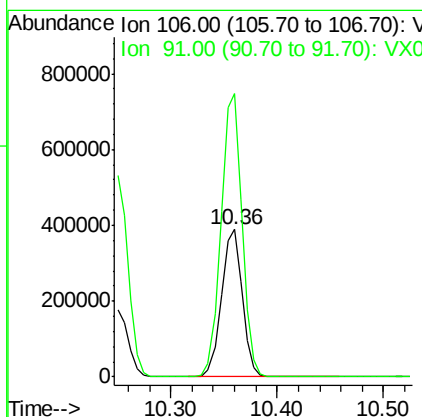
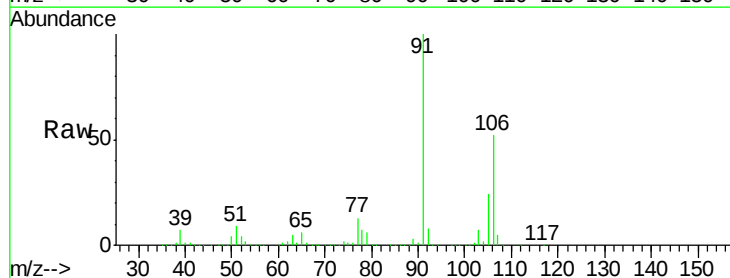
Manual Integrations
APPROVED

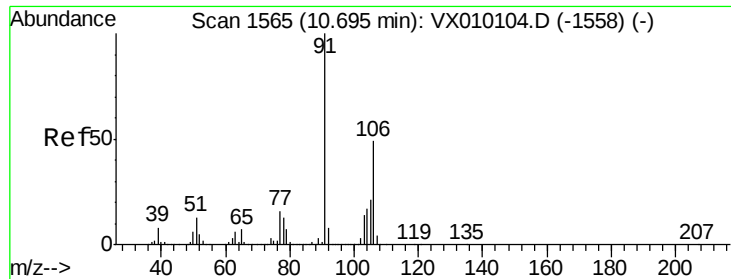
MMDadoda
6/13/2019 9:20:44 AM



#68
m/p-Xylenes
Concen: 95.911 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.9	167.3	250.9





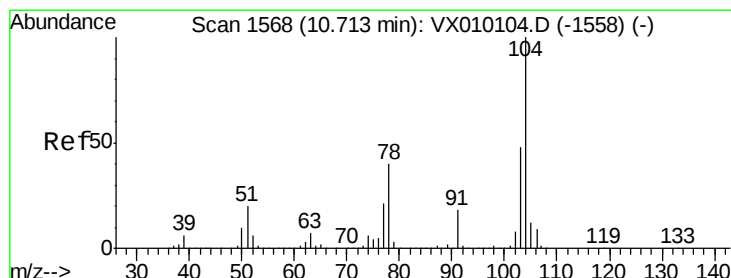
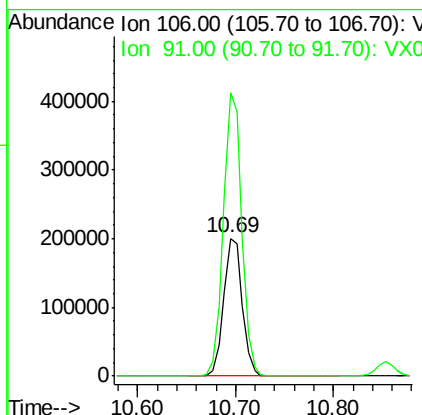
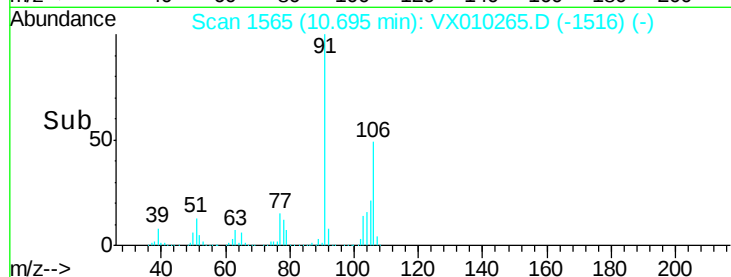
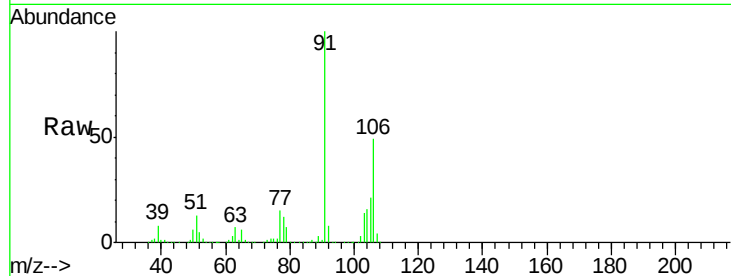
#69
o-Xylene
Concen: 48.096 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264112	106	100			
	91	202.8	110.4	331.2	

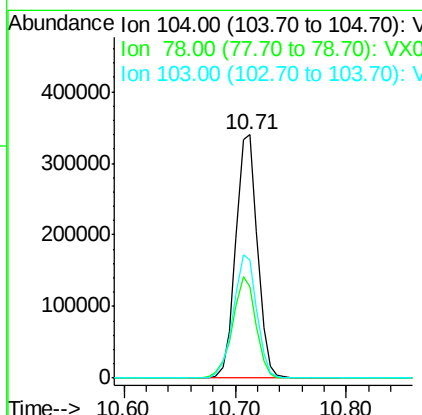
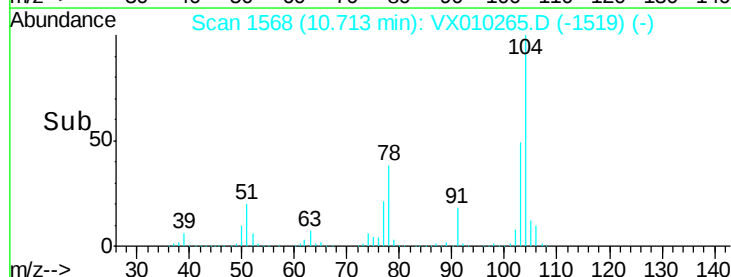
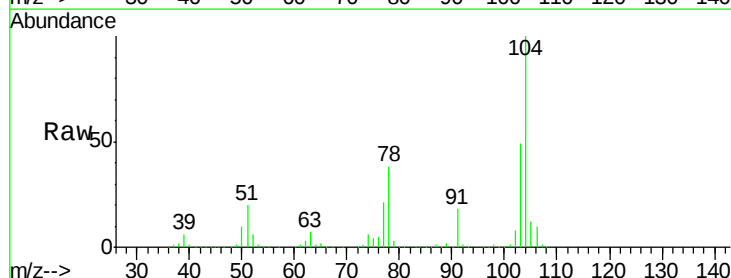
Manual Integrations
APPROVED

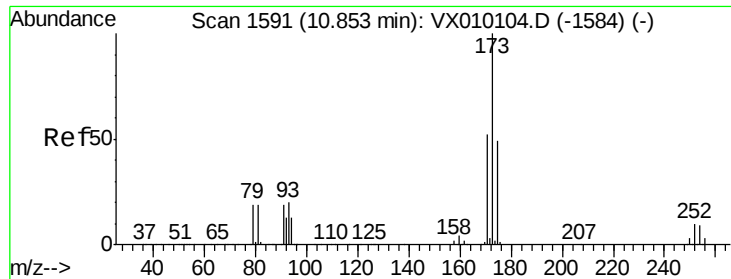
MMDadoda
6/13/2019 9:20:44 AM



#70
Styrene
Concen: 49.353 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
459004	104	100			
	78	44.7	42.1	63.1	
	103	54.7	44.1	66.1	





#71

Bromoform

Concen: 48.289 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

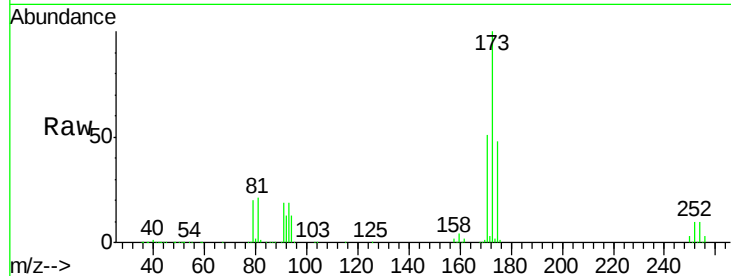
ClientSampleId :

VSTDCCC050EC

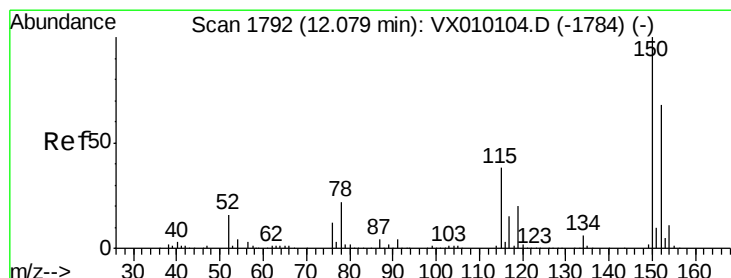
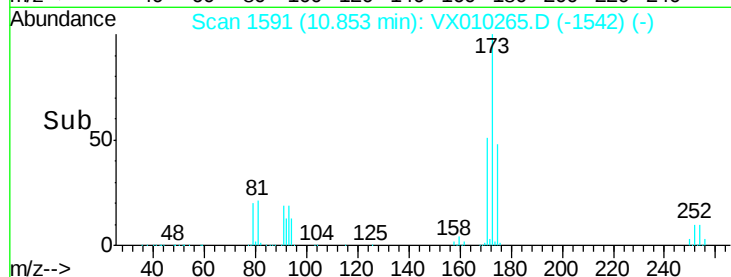
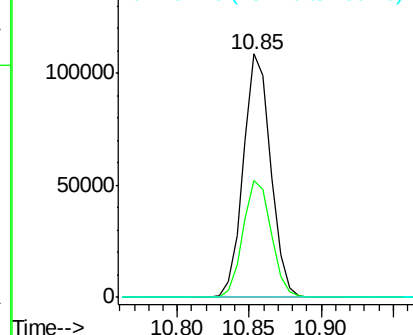
Tot Ion:	173	Resp:	143158
Ion Ratio	Lower	Upper	
173	100		
175	49.6	25.0	75.0
254	0.2	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

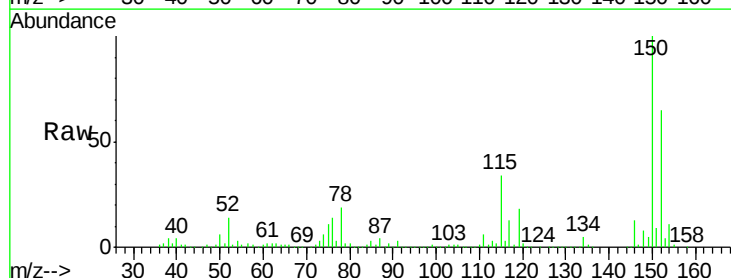
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

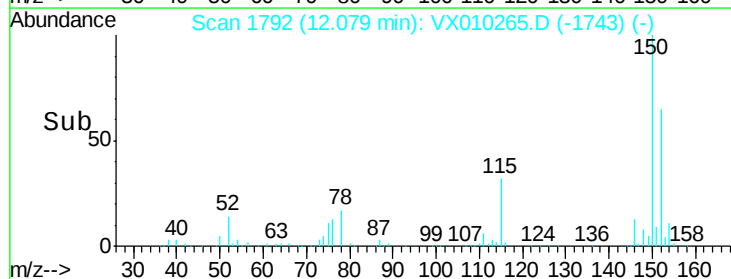
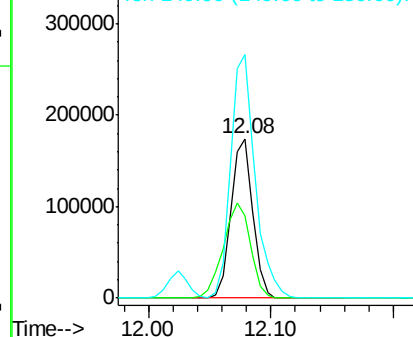
Lab File: VX010265.D

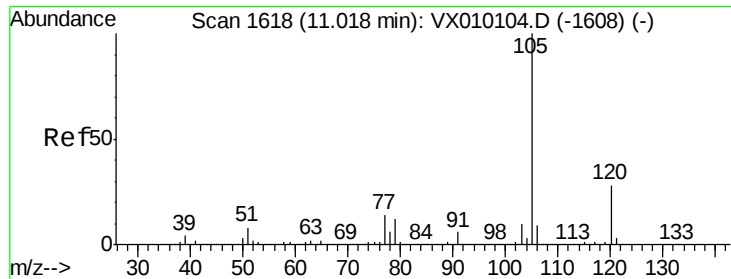
Acq: 12 Jun 2019 20:51

Tgt Ion:	152	Resp:	212116
Ion Ratio	Lower	Upper	
152	100		
115	74.8	41.4	124.2
150	171.6	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.929 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 694886

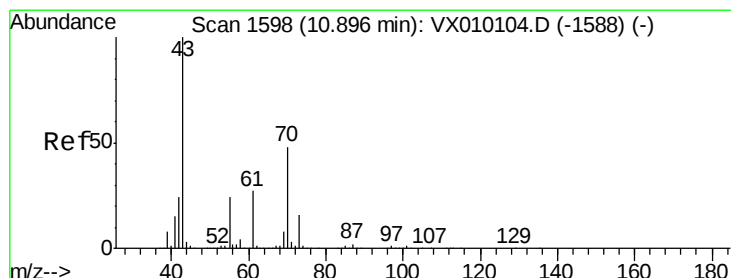
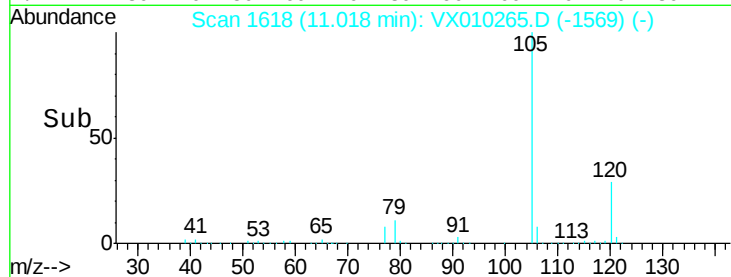
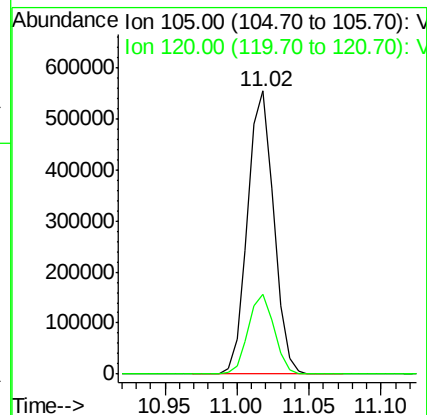
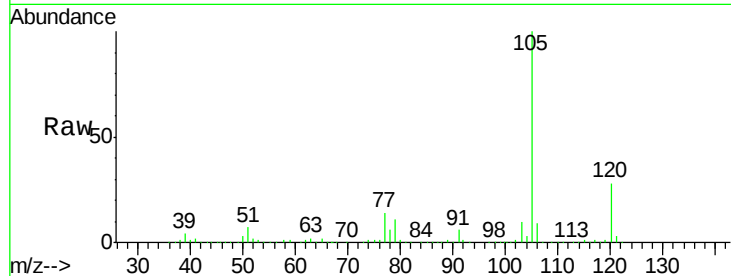
Ion Ratio Lower Upper

105 100

120 28.1 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:20:44 AM



#74

N-ethyl acetate

Concen: 47.562 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion: 43 Resp: 278389

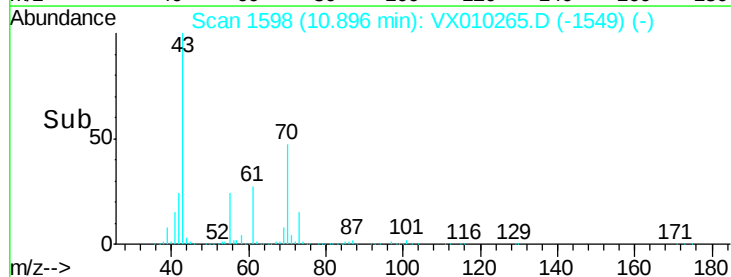
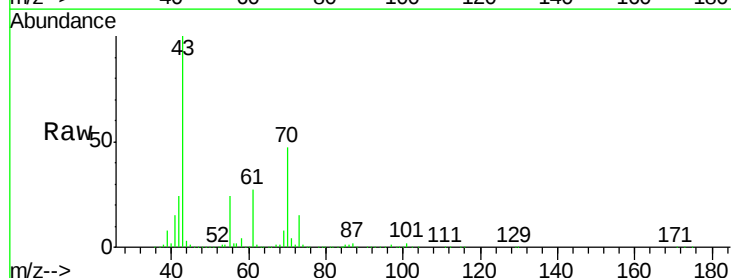
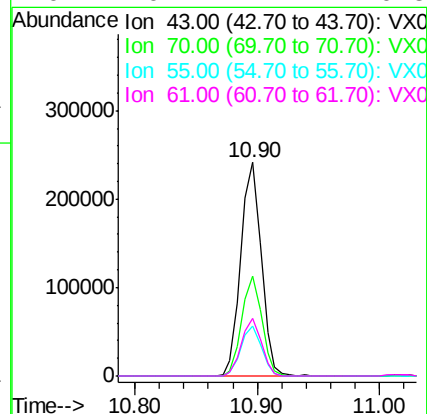
Ion Ratio Lower Upper

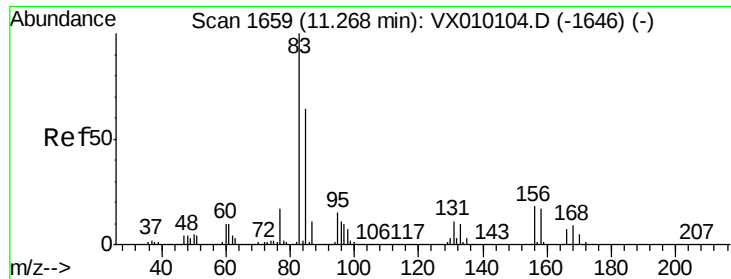
43 100

70 46.1 28.6 43.0#

55 23.7 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.105 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 238758

Ion Ratio Lower Upper

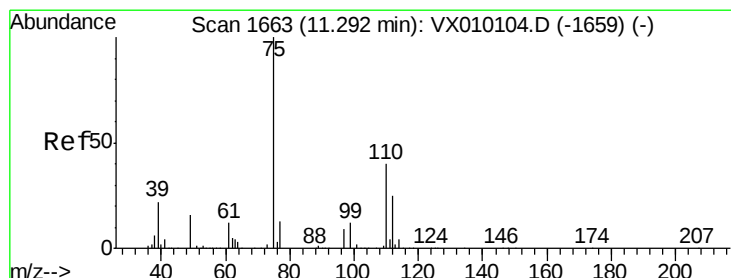
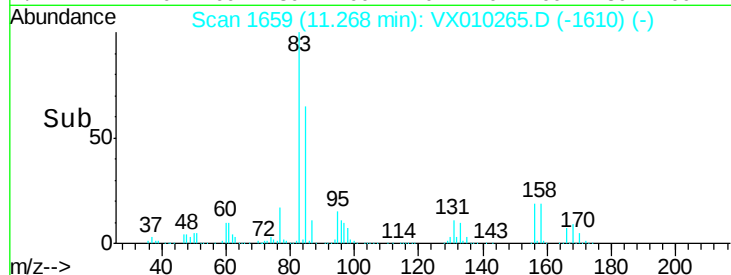
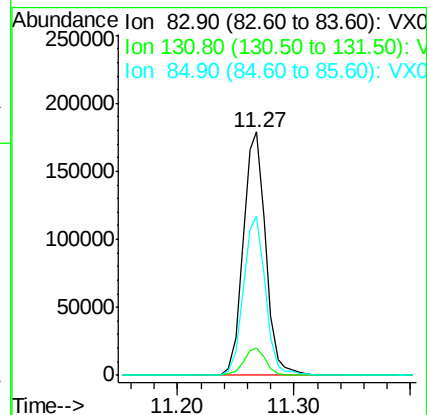
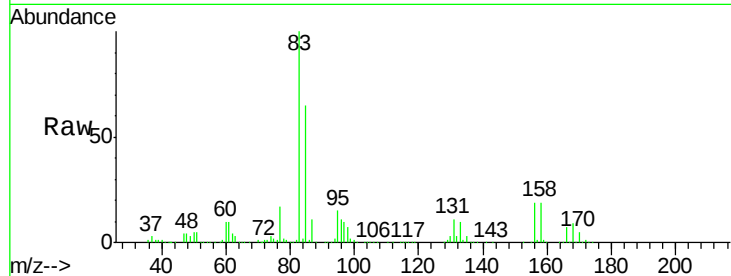
83 100

131 10.8 4.7 14.1

85 64.6 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.786 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010265.D

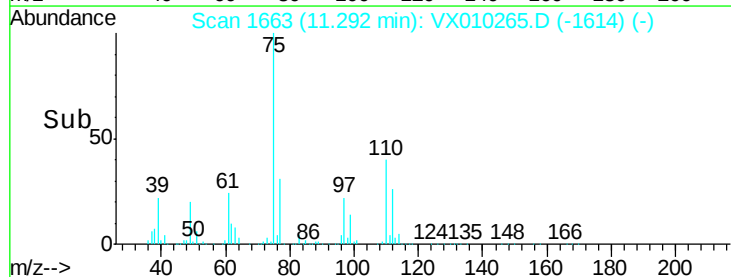
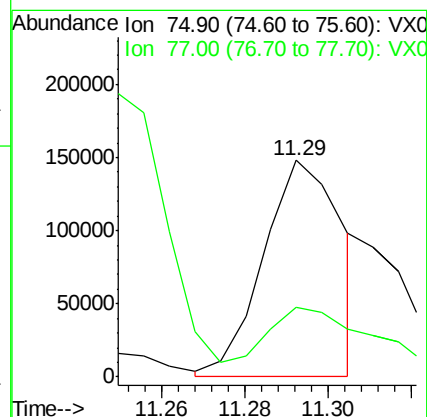
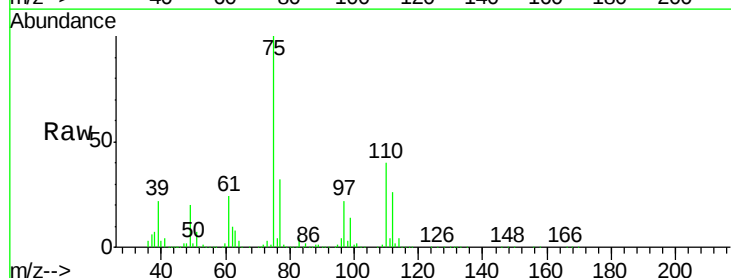
Acq: 12 Jun 2019 20:51

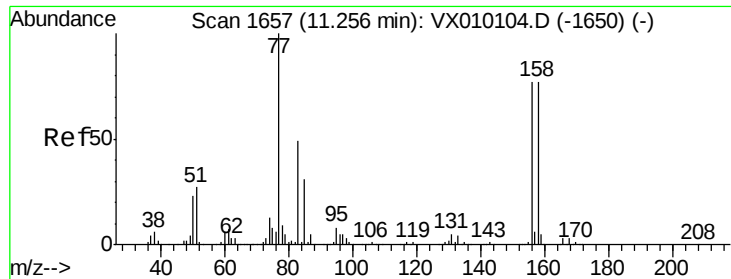
Tgt Ion: 75 Resp: 194259

Ion Ratio Lower Upper

75 100

77 45.1 22.1 66.1





#77

Bromobenzene

Concen: 47.584 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

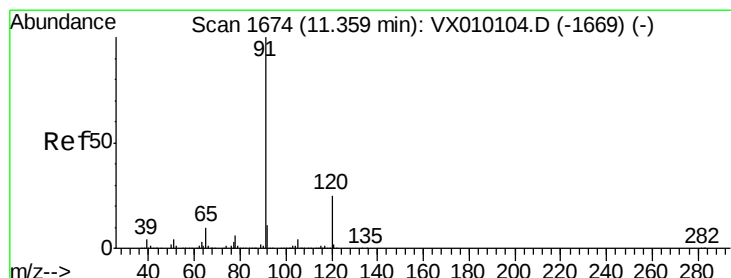
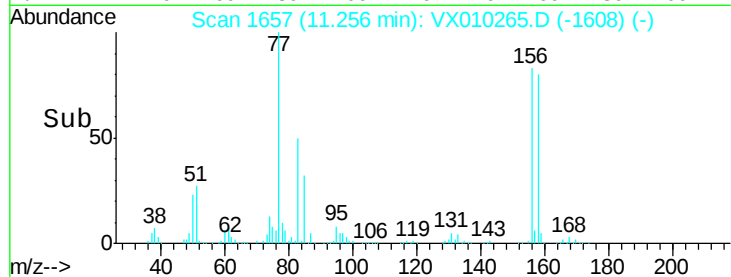
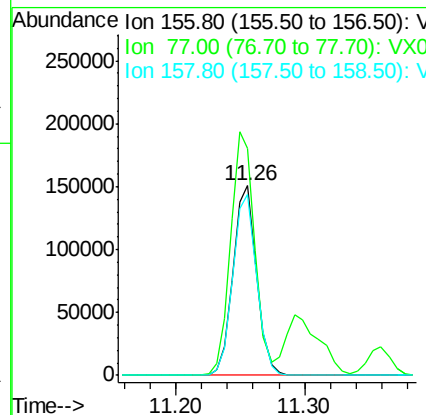
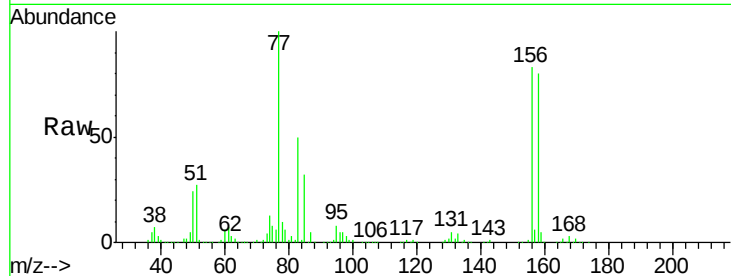
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	193757
Ion Ratio	Lower	Upper	
156	100		
77	131.1	86.8	260.3
158	96.8	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.046 ug/l

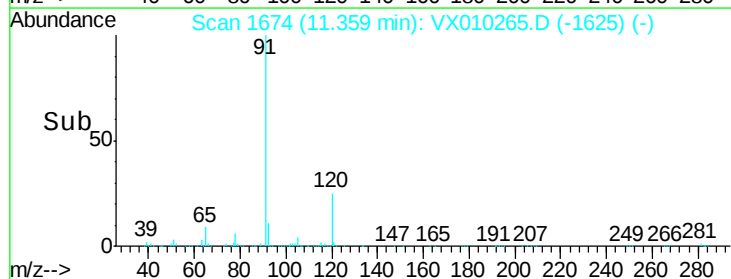
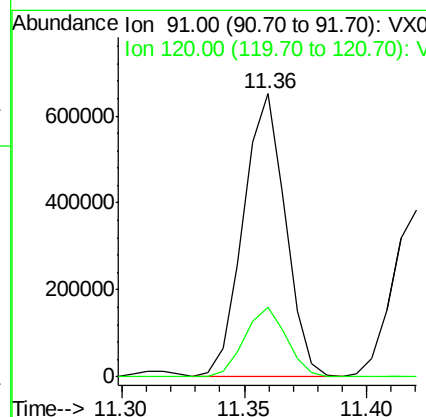
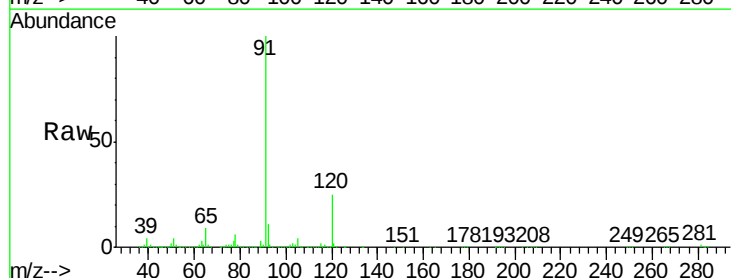
RT: 11.36 min Scan# 1674

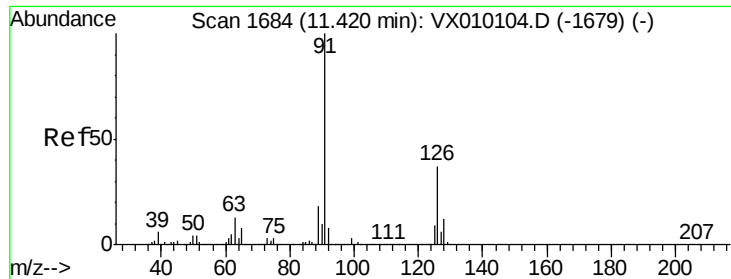
Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion:	91	Resp:	775533
Ion Ratio	Lower	Upper	
91	100		
120	24.7	11.1	33.3





#79

2-Chlorotoluene

Concen: 46.070 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 456119

Ion Ratio Lower Upper

91 100

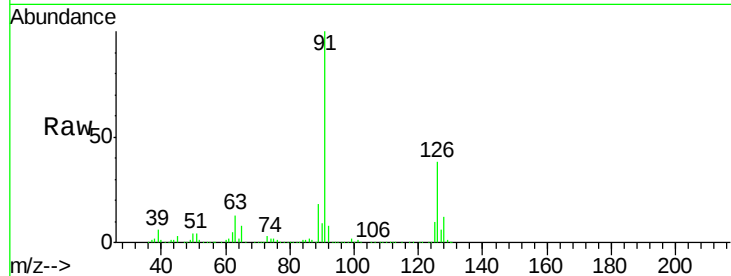
126 38.0 16.1 48.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010104.D (-1679) (-)

600000

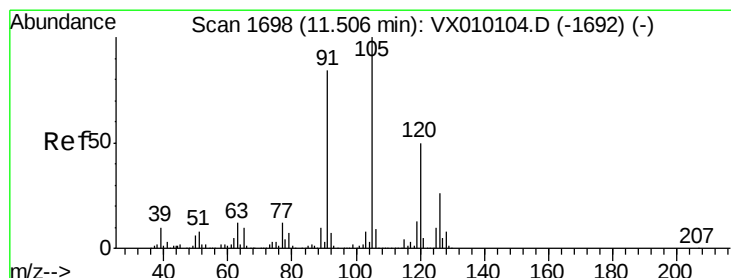
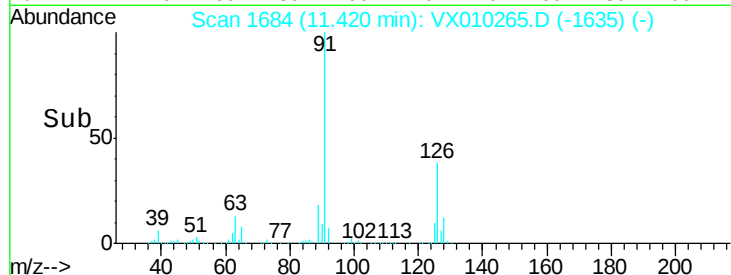
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.133 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010265.D

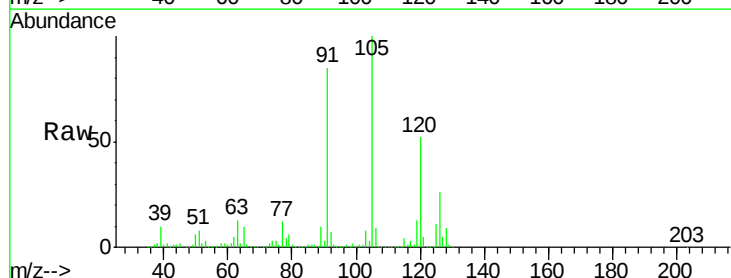
Acq: 12 Jun 2019 20:51

Tgt Ion: 105 Resp: 575355

Ion Ratio Lower Upper

105 100

120 51.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010104.D (-1692) (-)

500000

400000

300000

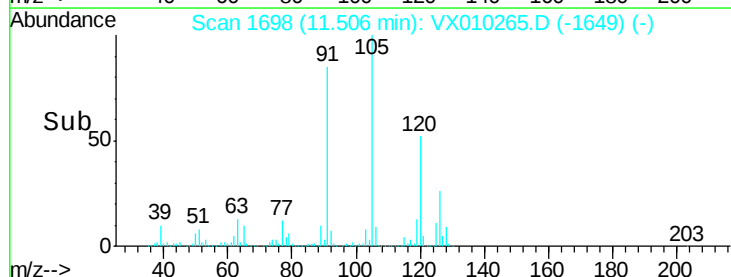
200000

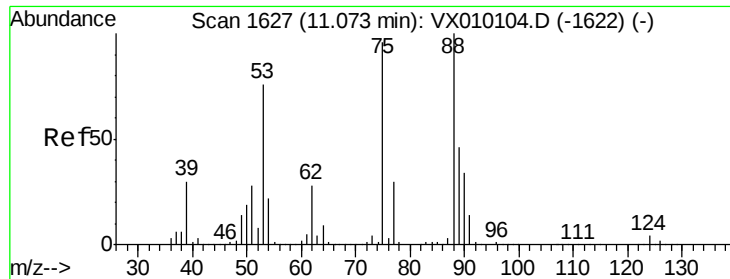
100000

0

11.50 11.51 11.60

Time-->





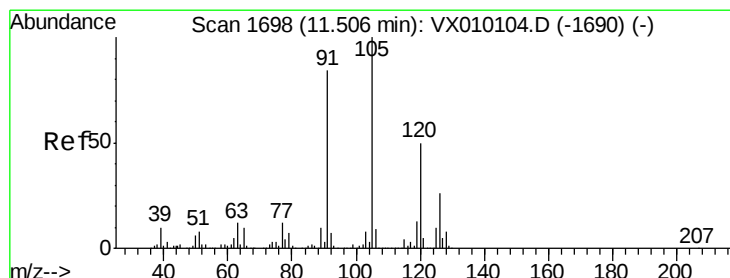
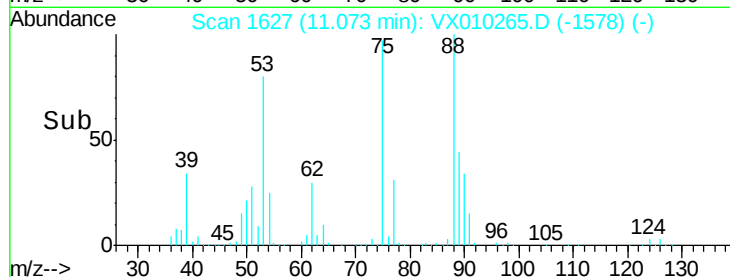
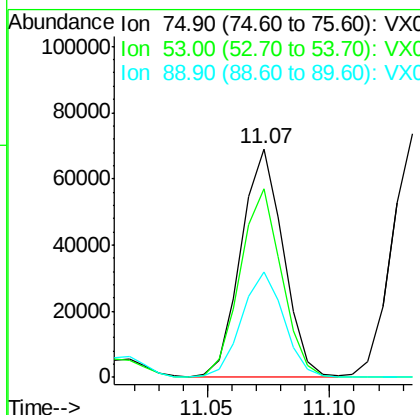
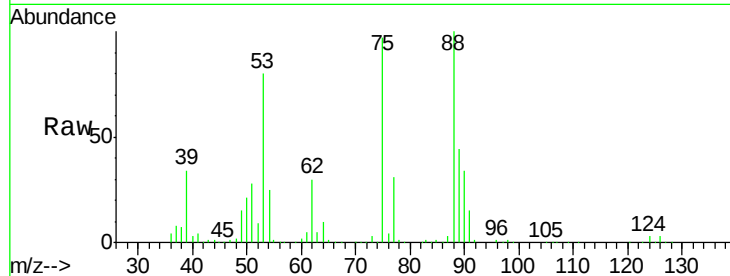
#81
trans-1,4-Dichloro-2-butene
Concen: 43.349 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.7	79.8	119.6
89	45.9	34.2	51.4

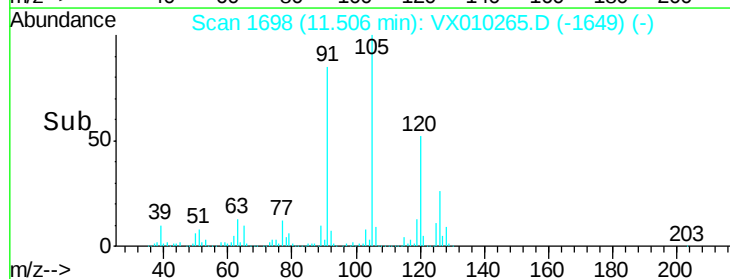
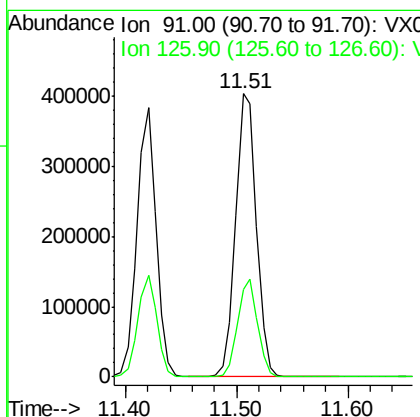
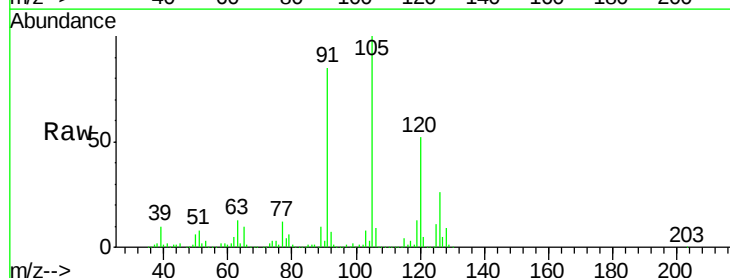
Manual Integrations
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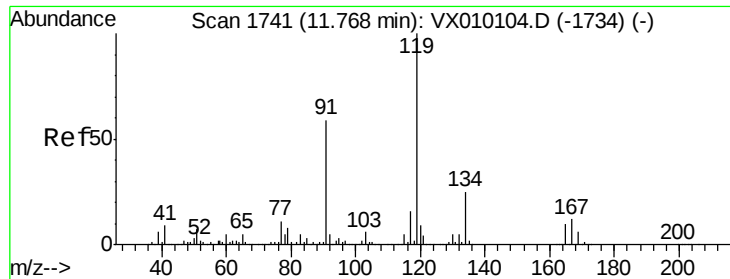
MMDadoda
6/13/2019 9:20:44 AM



#82
4-Chlorotoluene
Concen: 46.240 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.2	42.6





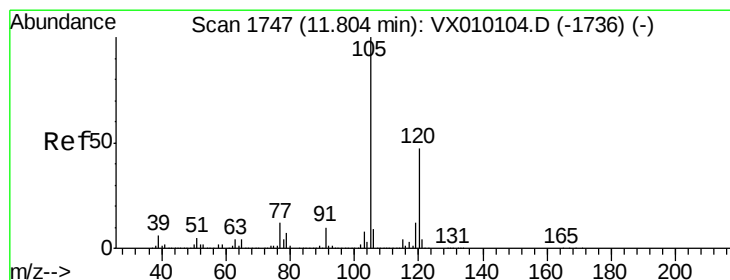
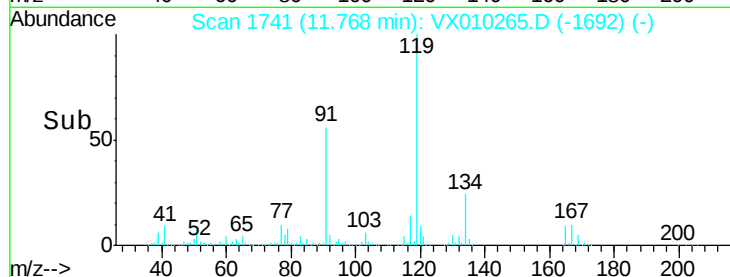
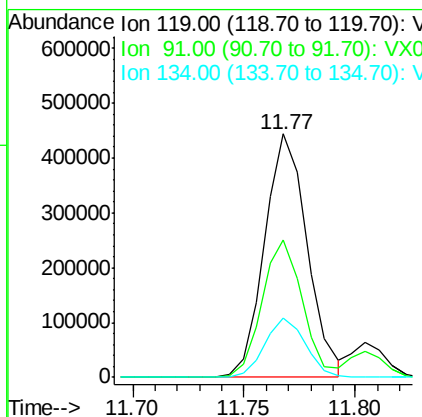
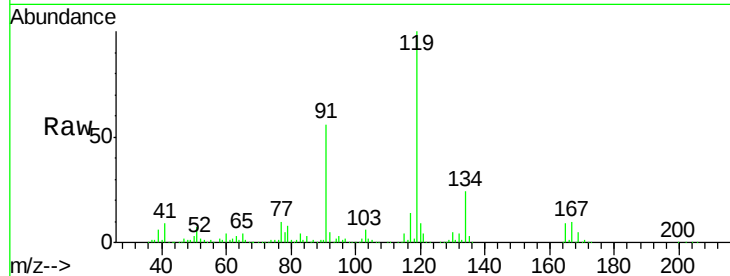
#83
 tert-Butylbenzene
 Concen: 46.706 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	589564		
91	53.6	30.0	90.0	
134	23.1	11.2	33.5	

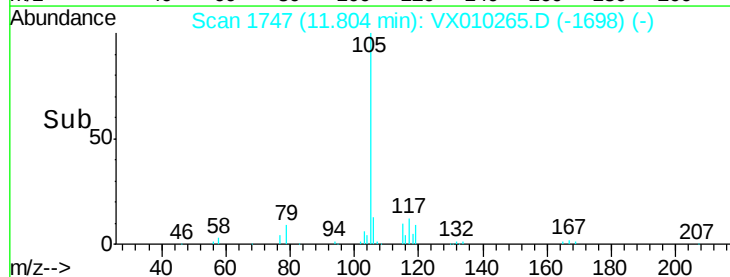
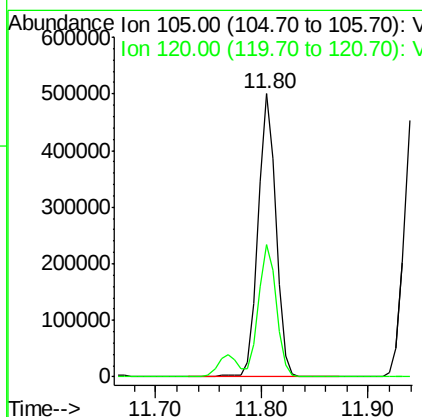
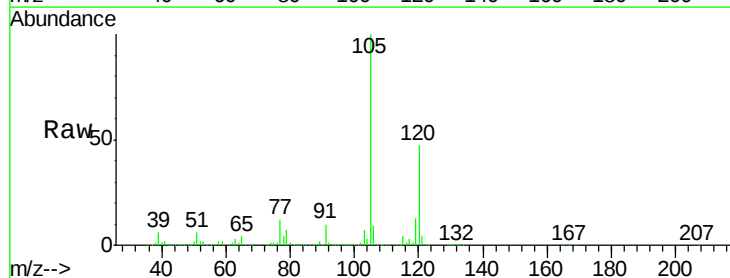
Manual Integrations
 APPROVED

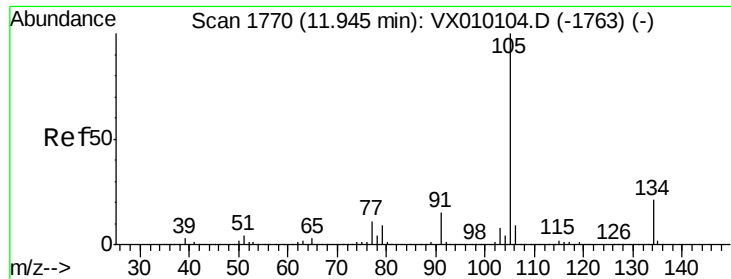
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.755 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	588994		
120	46.2	22.1	66.1	





#85

sec-Butylbenzene

Concen: 47.221 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 694437

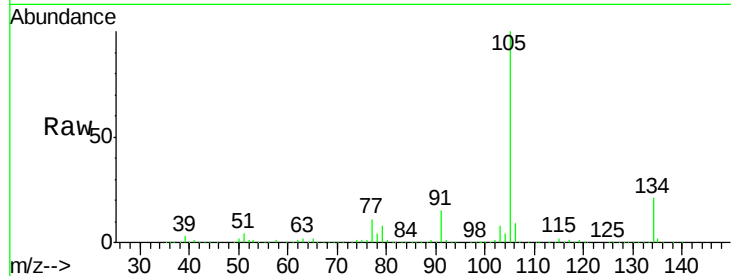
Ion Ratio Lower Upper

105 100

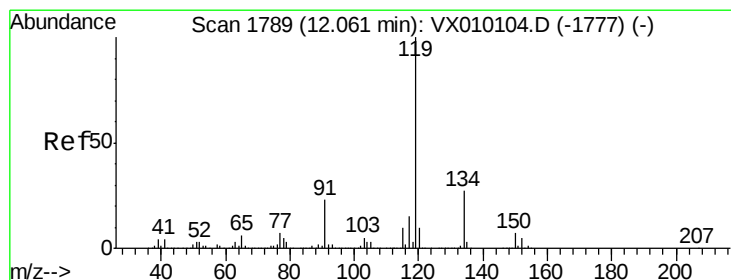
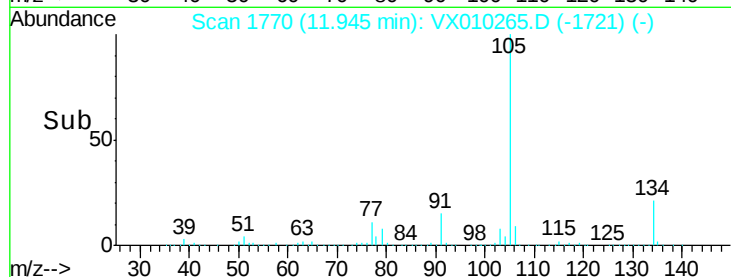
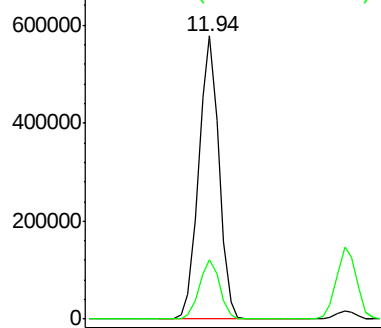
134 21.2 9.7 28.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.188 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

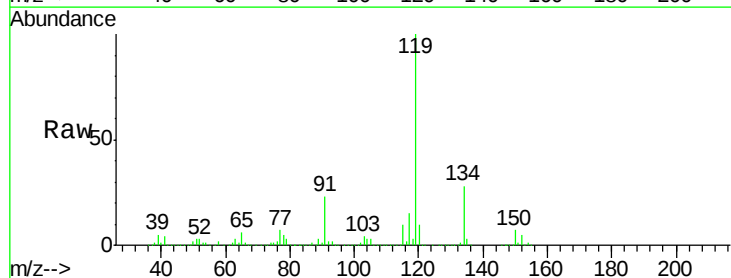
Tgt Ion:119 Resp: 634400

Ion Ratio Lower Upper

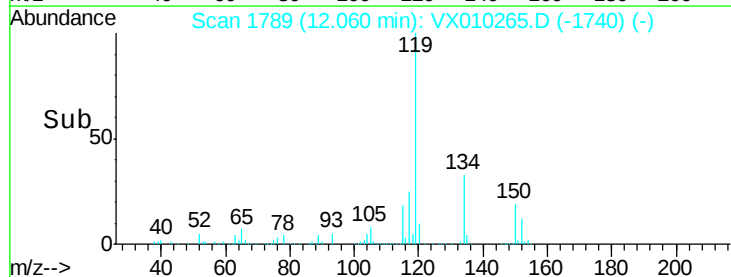
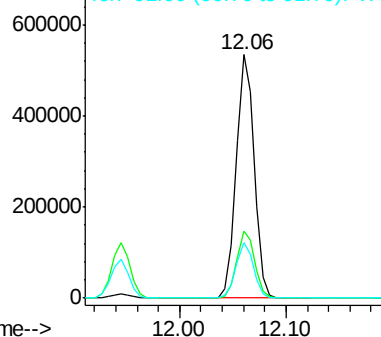
119 100

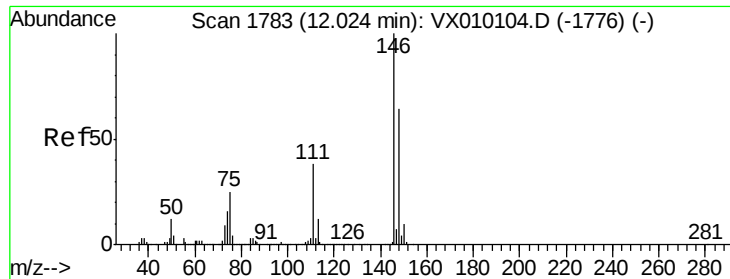
134 27.6 12.9 38.6

91 22.2 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





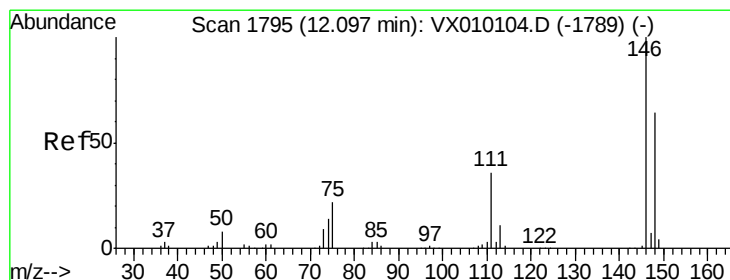
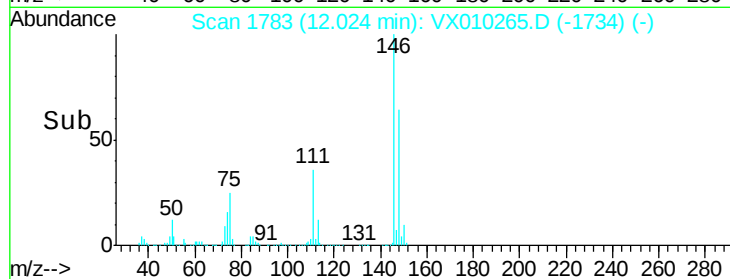
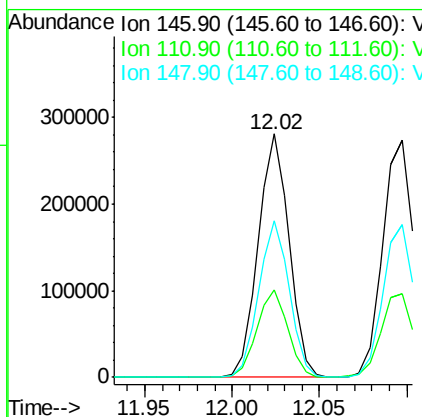
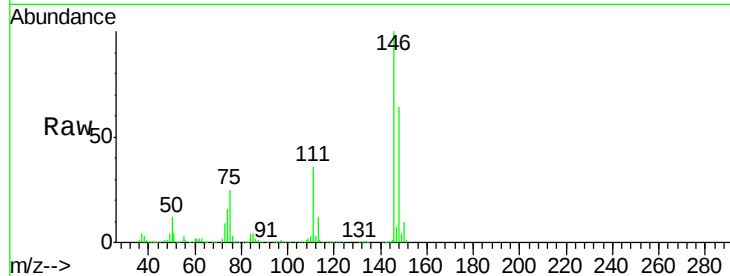
#87
 1,3-Dichlorobenzene
 Concen: 47.990 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.1	60.2
148	63.7	31.9	95.5

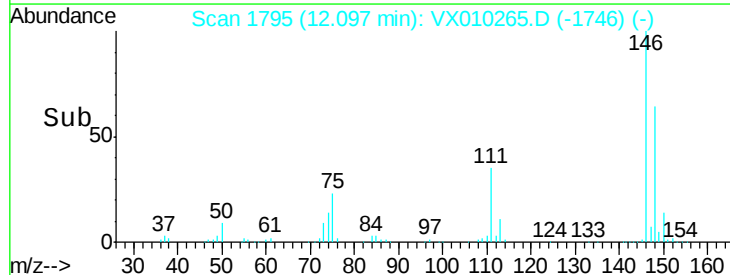
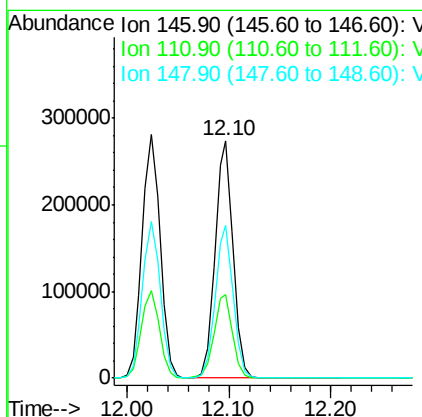
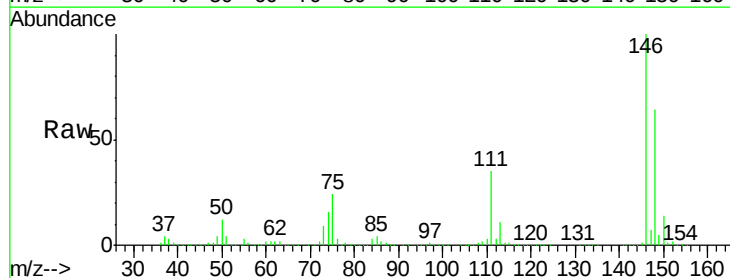
Manual Integrations
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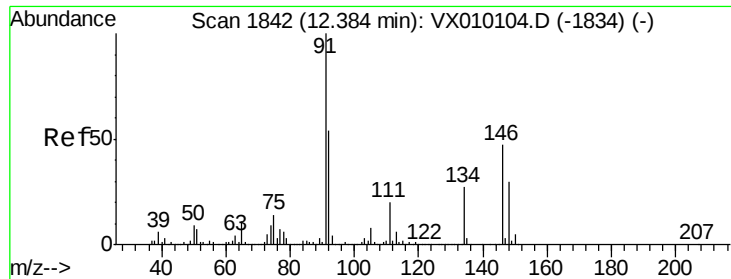
MMDadoda
 6/13/2019 9:20:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.056 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.0	59.9
148	64.3	32.3	96.9





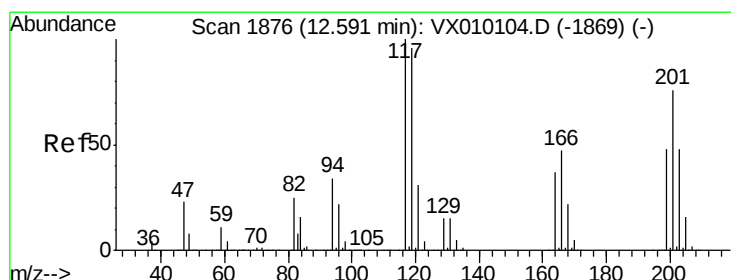
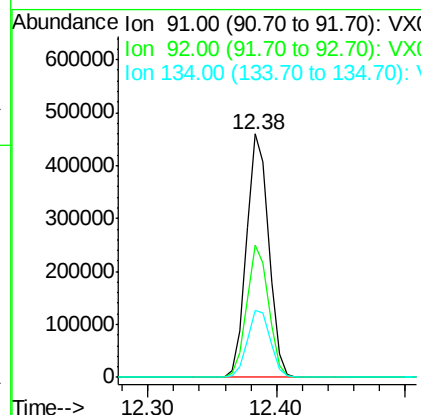
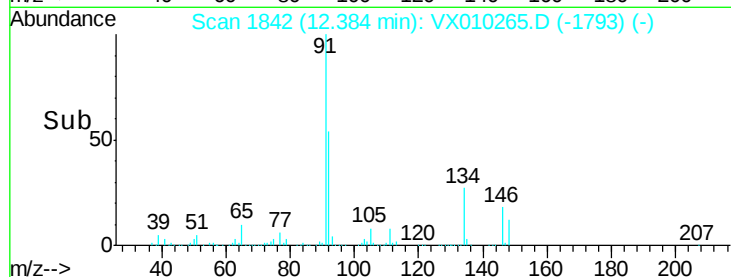
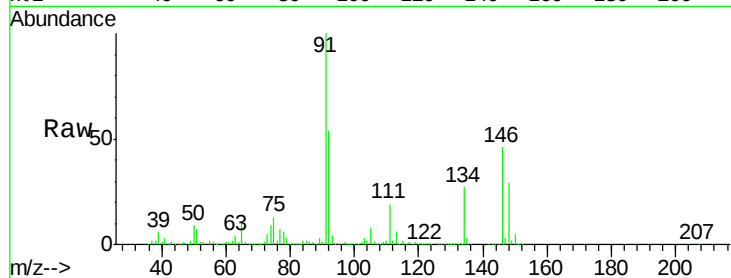
#89
n-Butylbenzene
Concen: 46.961 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.3	78.8
134	28.3	12.3	36.8

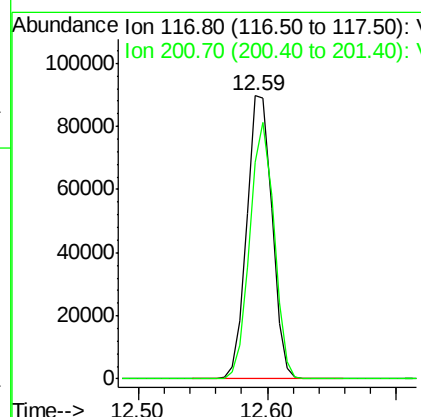
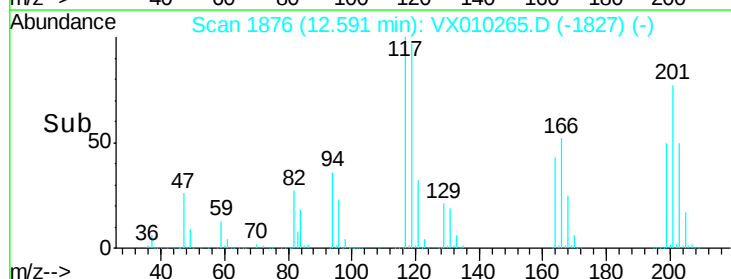
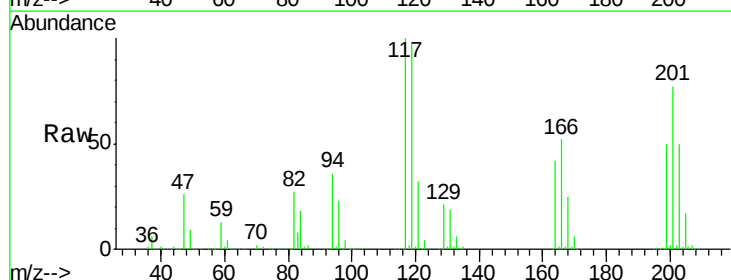
Manual Integrations
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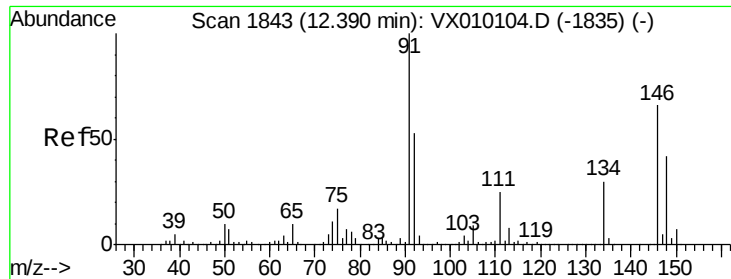
MMDadoda
6/13/2019 9:20:44 AM



#90
Hexachloroethane
Concen: 45.134 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010265.D
Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	43.6	130.9





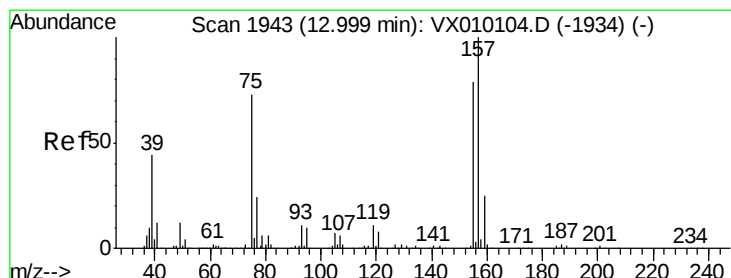
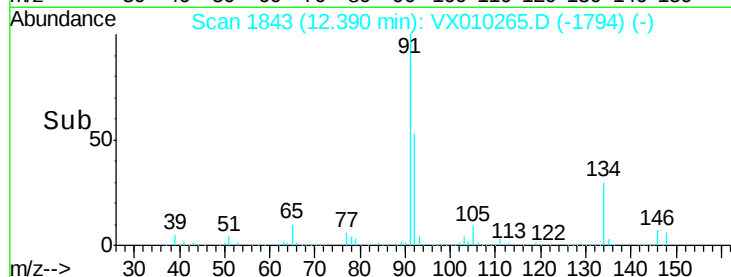
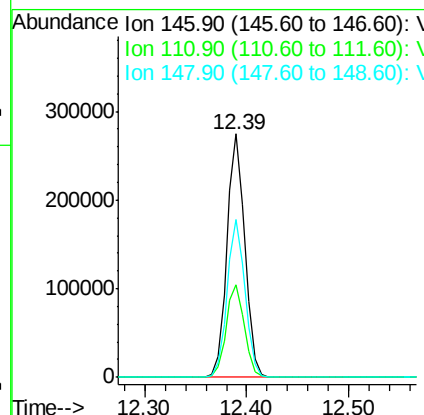
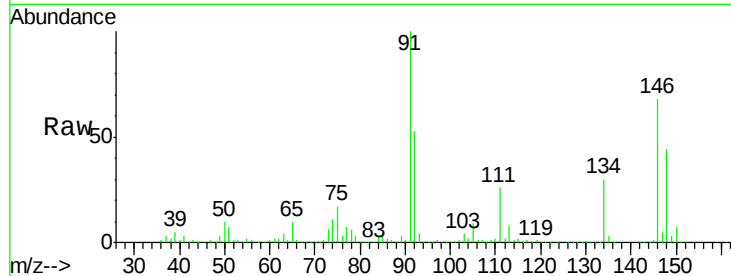
#91
 1,2-Dichlorobenzene
 Concen: 48.000 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.1	63.1
148	64.7	32.3	96.8

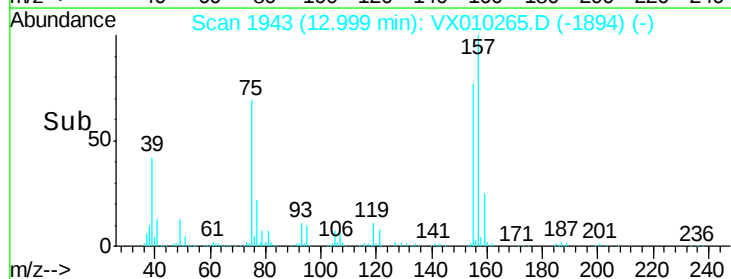
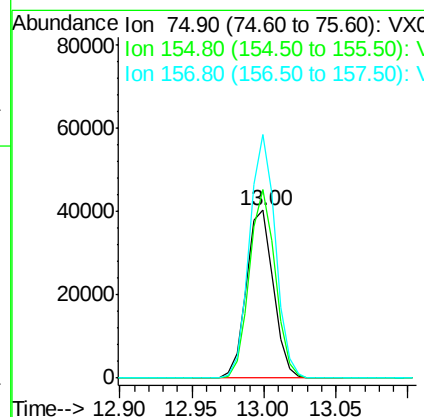
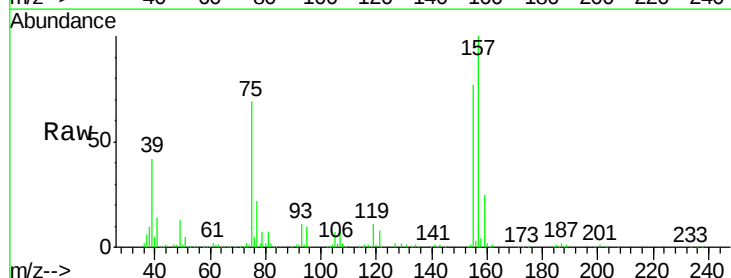
Manual Integrations
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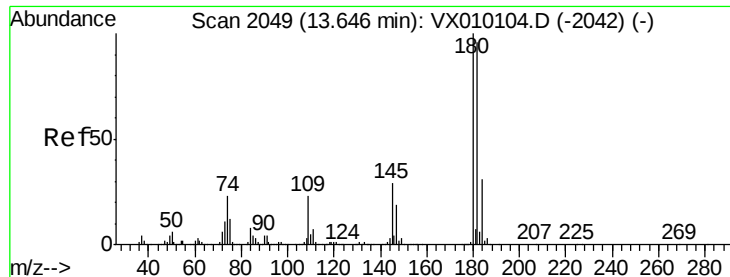
MMDadoda
 6/13/2019 9:20:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.789 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.3	39.3	117.8
157	139.0	50.6	151.8





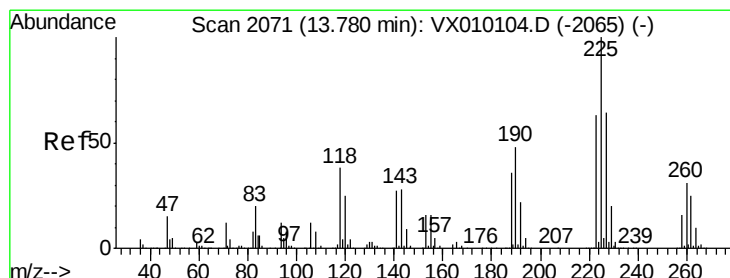
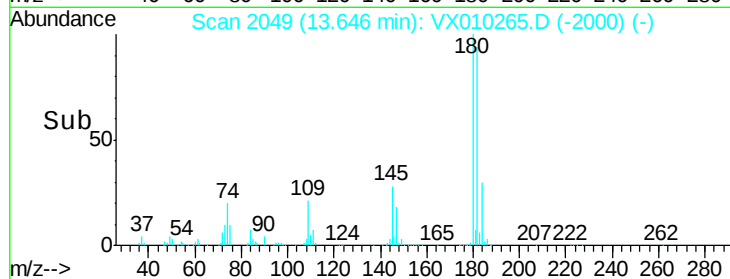
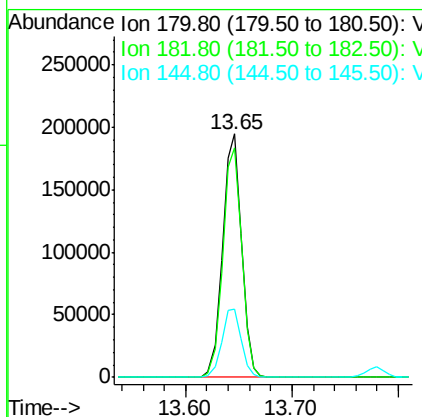
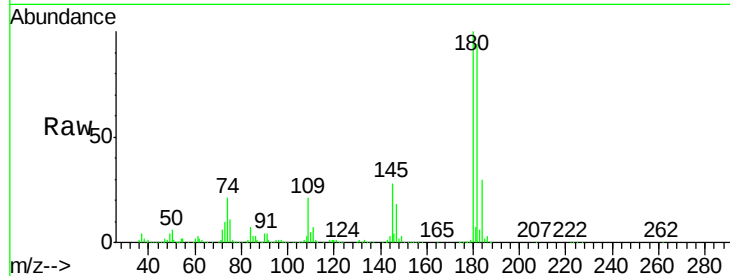
#93
 1,2,4-Trichlorobenzene
 Concen: 47.254 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	241183
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.2
145	28.9	14.5	43.5

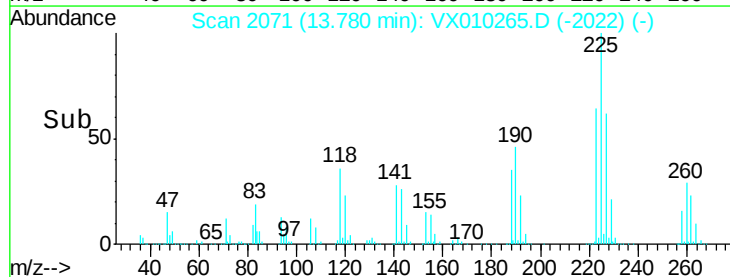
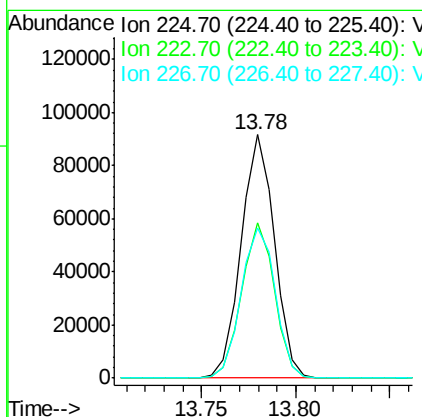
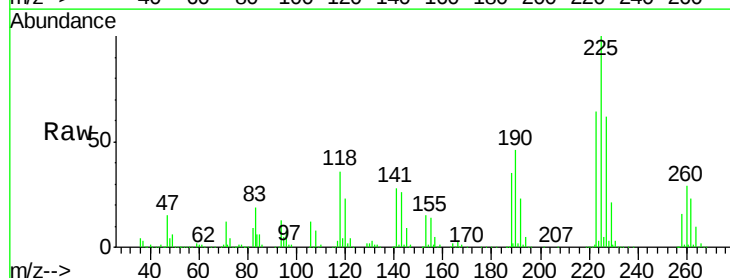
Manual Integrations
 APPROVED

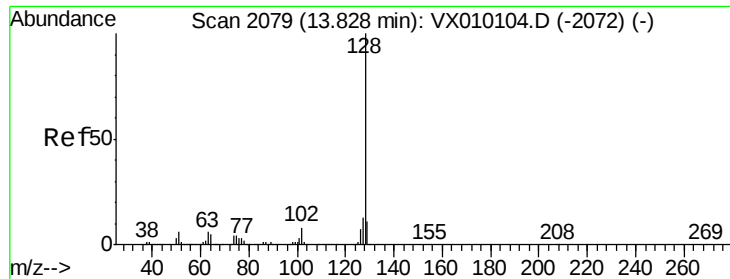
MMDadoda
 6/13/2019 9:20:44 AM



#94
 Hexachlorobutadiene
 Concen: 49.453 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010265.D
 Acq: 12 Jun 2019 20:51

Tgt Ion:	225	Resp:	112253
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.3	93.8
227	63.5	32.3	96.8





#95

Naphthalene

Concen: 48.279 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Instrument :

MSVOA_X

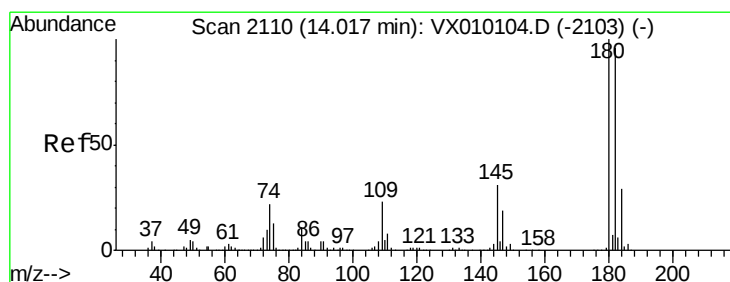
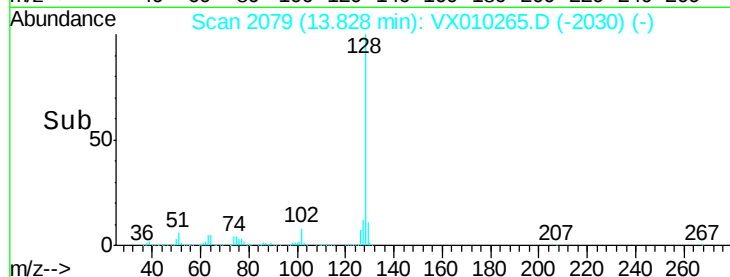
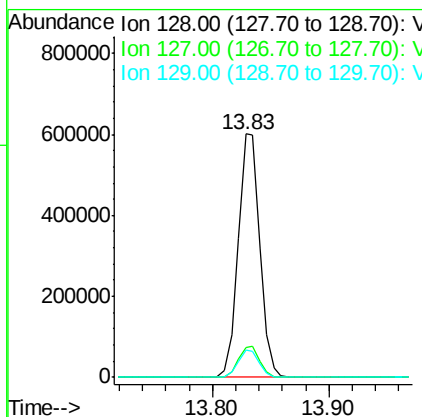
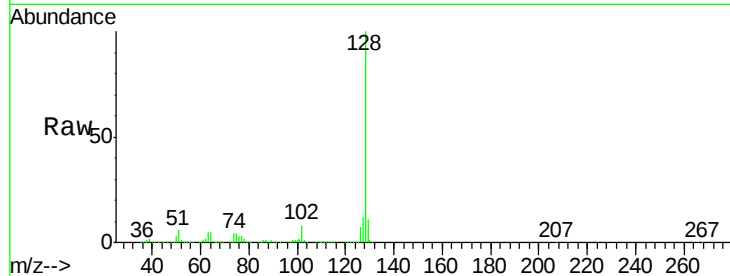
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	775697
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:20:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.444 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010265.D

Acq: 12 Jun 2019 20:51

Tgt Ion:	180	Resp:	244474
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.3	142.0
145	30.7	15.6	46.7

