

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071219\
 Data File : VX010823.D
 Acq On : 12 Jul 2019 09:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:16 AM

Quant Time: Jul 13 01:50:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	255180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	367523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104852	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
35) Dibromofluoromethane	5.49	113	101856	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	8.71	98	367440	42.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.42%	
62) 4-Bromofluorobenzene	11.13	95	140413	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89908	50.679	ug/l	100
3) Chloromethane	1.32	50	90789	43.948	ug/l	98
4) Vinyl Chloride	1.41	62	97926	43.279	ug/l	97
5) Bromomethane	1.64	94	47741	43.309	ug/l	98
6) Chloroethane	1.71	64	66454	49.780	ug/l	97
7) Trichlorofluoromethane	1.93	101	172364	48.054	ug/l	98
8) Diethyl Ether	2.19	74	60830	47.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101540	46.713	ug/l	98
10) Methyl Iodide	2.51	142	102876	33.163	ug/l	97
11) Tert butyl alcohol	3.05	59	111720	178.450	ug/l	98
12) 1,1-Dichloroethene	2.37	96	99241	44.868	ug/l	99
13) Acrolein	2.29	56	80922	194.847	ug/l	97
14) Allyl chloride	2.73	41	142243	45.298	ug/l	97
15) Acrylonitrile	3.14	53	274692	221.611	ug/l	99
16) Acetone	2.44	43	302717	252.457	ug/l	98
17) Carbon Disulfide	2.57	76	239113	40.295	ug/l	100
18) Methyl Acetate	2.77	43	106744	44.666	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	316255	45.450	ug/l	100
20) Methylene Chloride	2.85	84	111662	45.250	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	104563	43.955	ug/l	98
22) Diisopropyl ether	3.85	45	306020	46.611	ug/l	93
23) Vinyl Acetate	3.81	43	1341516	236.524	ug/l	99
24) 1,1-Dichloroethane	3.70	63	173639	45.754	ug/l	98
25) 2-Butanone	4.67	43	408411	232.197	ug/l	99
26) 2,2-Dichloropropane	4.58	77	145540	44.147	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	122646	44.615	ug/l	98
28) Bromochloromethane	5.01	49	76958	42.413	ug/l	93
29) Tetrahydrofuran	5.12	42	236266	216.862	ug/l	99
30) Chloroform	5.21	83	185787	45.500	ug/l	97
31) Cyclohexane	5.57	56	157717	45.637	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	163752	45.417	ug/l	99
36) 1,1-Dichloropropene	5.80	75	136851	46.858	ug/l	98
37) Ethyl Acetate	4.83	43	139866	46.552	ug/l	99
38) Carbon Tetrachloride	5.78	117	145716	46.075	ug/l	99

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Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:16 AM

Quant Time: Jul 13 01:50:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179255	46.694	ug/l	96
40) Benzene	6.14	78	418970	46.046	ug/l	98
41) Methacrylonitrile	5.04	41	77043	46.734	ug/l	98
42) 1,2-Dichloroethane	6.19	62	139756	50.459	ug/l	98
43) Isopropyl Acetate	6.44	43	231269	46.524	ug/l	97
44) Trichloroethene	7.21	130	123480	45.353	ug/l	97
45) 1,2-Dichloropropane	7.51	63	106124	46.187	ug/l	100
46) Dibromomethane	7.66	93	77110	46.774	ug/l	96
47) Bromodichloromethane	7.90	83	140944	46.652	ug/l	100
48) Methyl methacrylate	7.76	41	110546	47.844	ug/l	98
49) 1,4-Dioxane	7.73	88	57629	865.801	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	761621	239.562	ug/l	98
52) Toluene	8.78	92	276427	46.133	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	154975	45.753	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	171573	46.612	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	114867	46.482	ug/l	100
56) Ethyl methacrylate	9.18	69	176257	47.083	ug/l	96
57) 1,3-Dichloropropane	9.37	76	181422	47.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	377749	212.468	ug/l	99
59) 2-Hexanone	9.49	43	614869	245.735	ug/l	97
60) Dibromochloromethane	9.58	129	126344	45.662	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123738	46.389	ug/l	100
64) Tetrachloroethene	9.34	164	119386	43.790	ug/l	97
65) Chlorobenzene	10.13	112	316142	46.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	116461	46.721	ug/l	99
67) Ethyl Benzene	10.25	91	545389	47.208	ug/l	100
68) m/p-Xylenes	10.35	106	426819	95.347	ug/l	99
69) o-Xylene	10.69	106	206790	46.974	ug/l	99
70) Styrene	10.71	104	353924	47.940	ug/l	98
71) Bromoform	10.85	173	97112	44.800	ug/l	100
73) Isopropylbenzene	11.02	105	556813	45.454	ug/l	98
74) N-amyl acetate	10.90	43	219140	47.335	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	181519	44.744	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	151536m	46.017	ug/l	
77) Bromobenzene	11.25	156	151745	44.363	ug/l	98
78) n-propylbenzene	11.36	91	637798	47.373	ug/l	98
79) 2-Chlorotoluene	11.42	91	368252	45.934	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	473911	46.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55320	39.191	ug/l	92
82) 4-Chlorotoluene	11.51	91	433579	47.528	ug/l	99
83) tert-Butylbenzene	11.77	119	467156	46.089	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	482044	47.511	ug/l	100
85) sec-Butylbenzene	11.94	105	560515	47.099	ug/l	99
86) p-Isopropyltoluene	12.06	119	526735	47.851	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	276389	46.290	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	273220	44.948	ug/l	99
89) n-Butylbenzene	12.38	91	458759	49.044	ug/l	99
90) Hexachloroethane	12.59	117	83799	44.026	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	268480	45.243	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37117	42.435	ug/l	91

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MSVOA_X
ClientSampleId :
VSTDCCC050

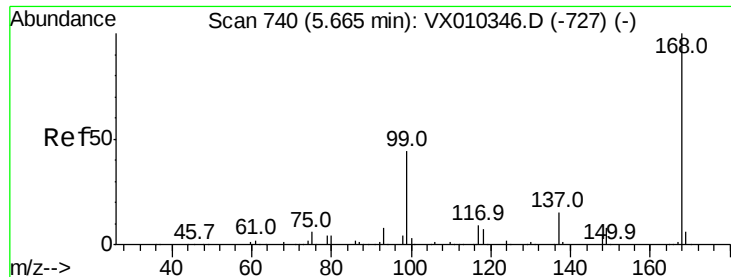
Manual Integrations
APPROVED

MMDadoda
7/15/2019 11:00:16 AM

Quant Time: Jul 13 01:50:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	190918	46.393	ug/l	99
94) Hexachlorobutadiene	13.78	225	93099	46.288	ug/l	99
95) Naphthalene	13.83	128	565334	44.703	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189571	46.331	ug/l	98

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



#1

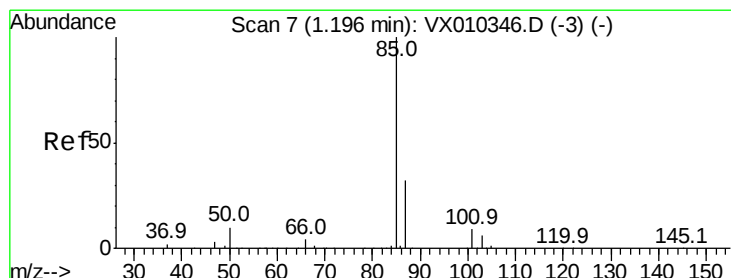
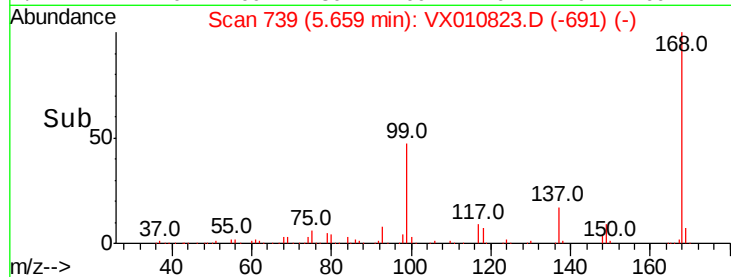
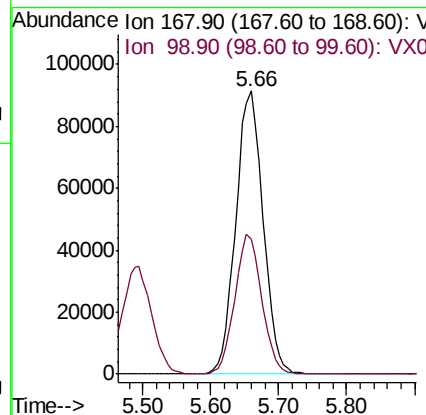
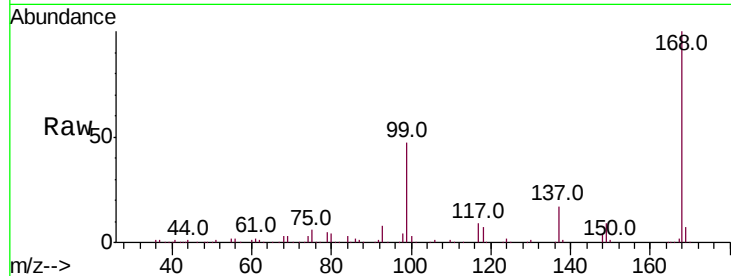
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	255180		
99	47.3	35.5	53.3	

Manual Integrations
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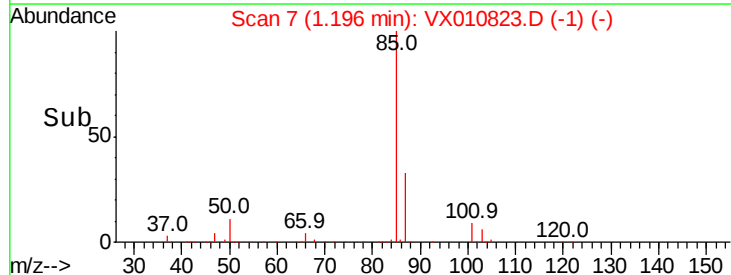
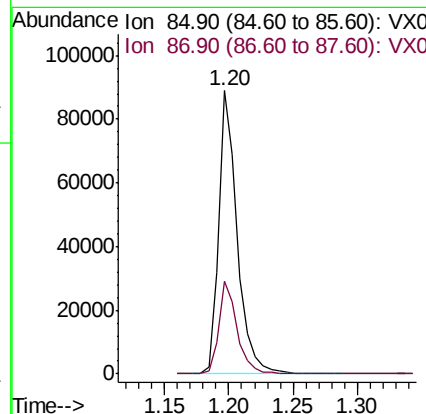
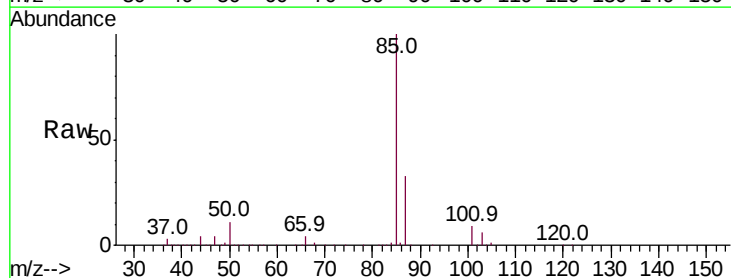
MMDadoda
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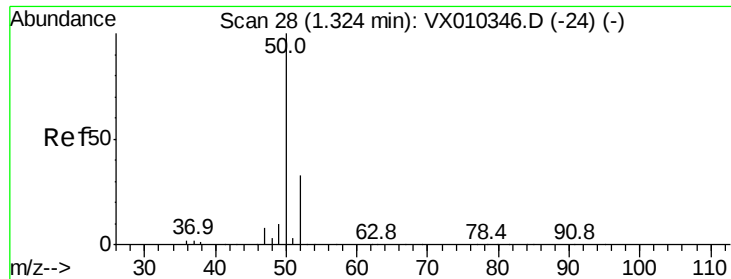


#2

Dichlorodifluoromethane
 Concen: 50.679 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	89908		
87	32.7	16.3	48.8	





#3

Chloromethane

Concen: 43.948 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90789

Ion Ratio Lower Upper

50 100

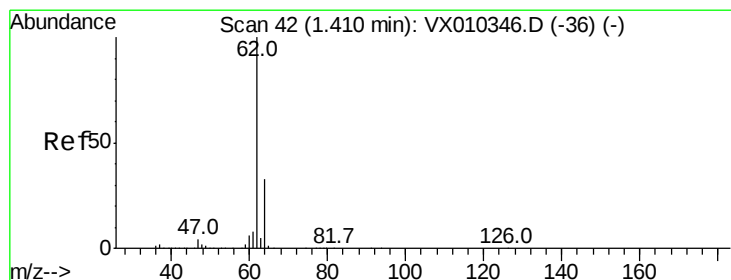
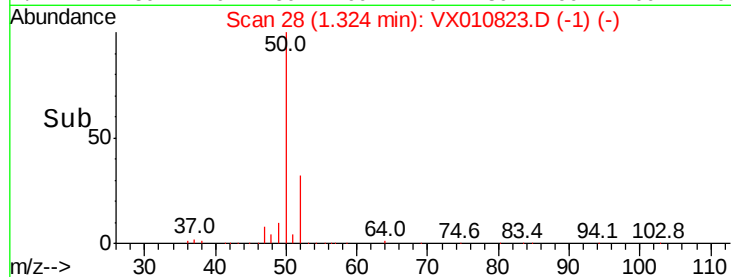
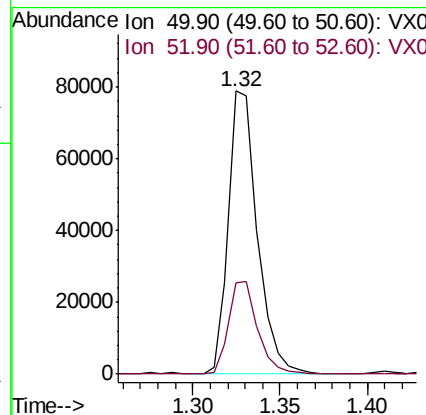
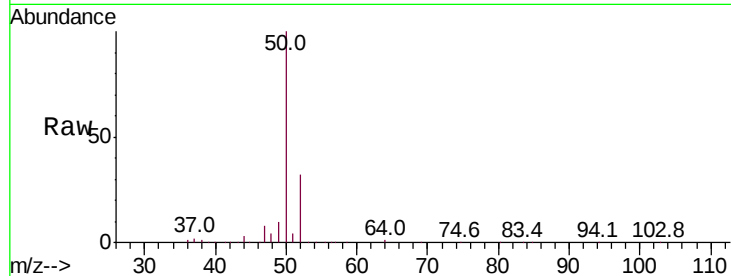
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.279 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010823.D

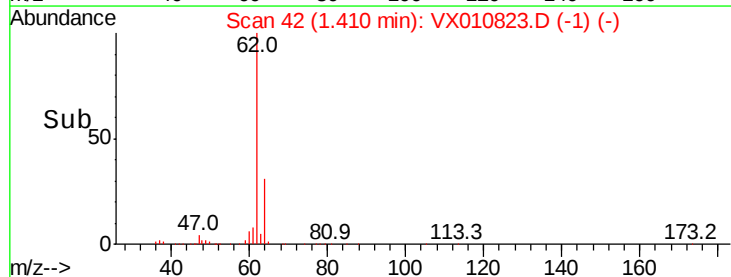
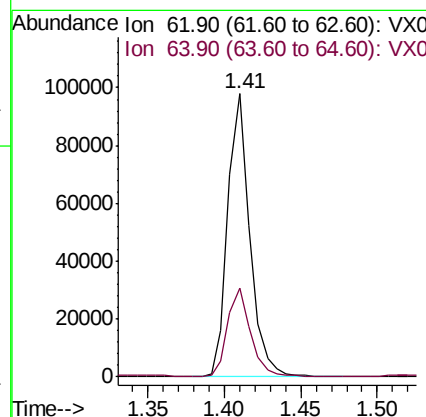
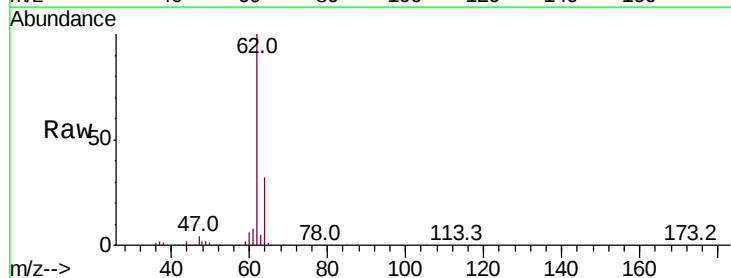
Acq: 12 Jul 2019 09:41

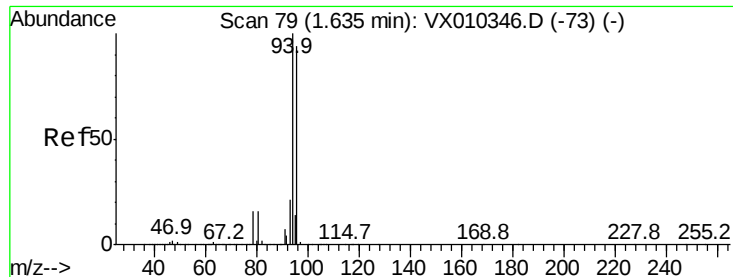
Tgt Ion: 62 Resp: 97926

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.4





#5

Bromomethane

Concen: 43.309 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47741

Ion Ratio Lower Upper

94 100

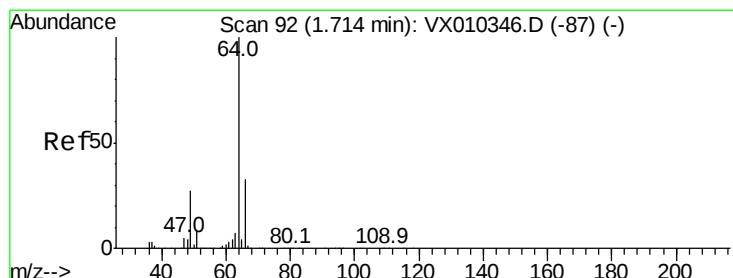
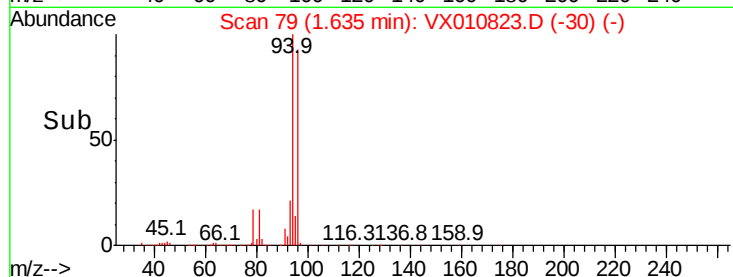
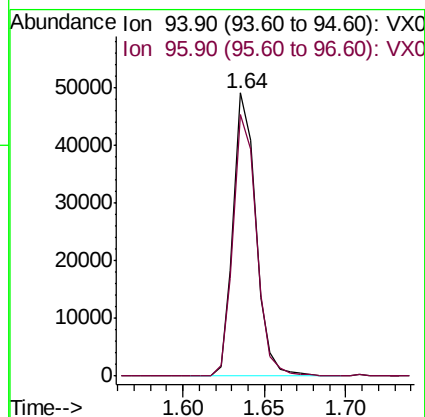
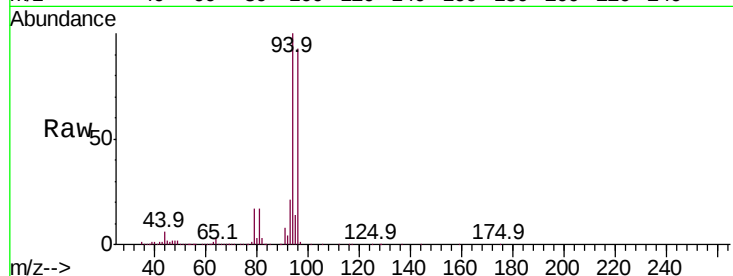
96 92.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 49.780 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010823.D

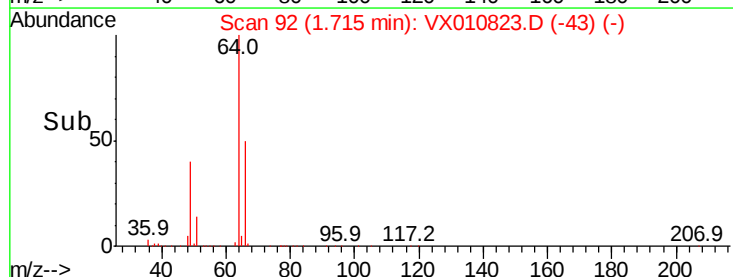
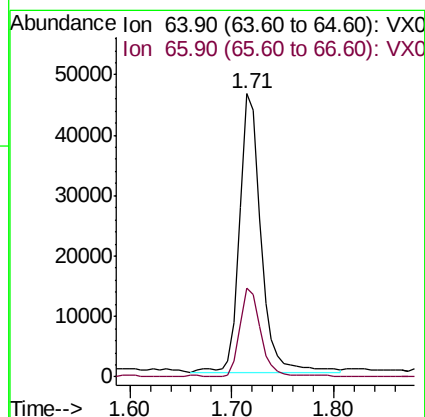
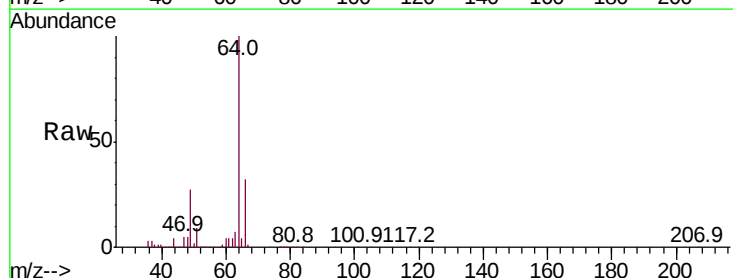
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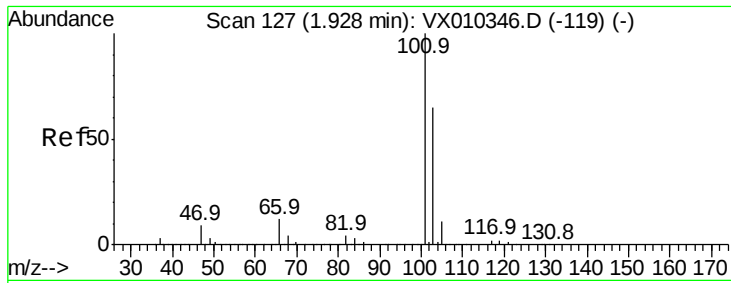
Tgt Ion: 64 Resp: 66454

Ion Ratio Lower Upper

64 100

66 31.7 26.6 40.0





#7

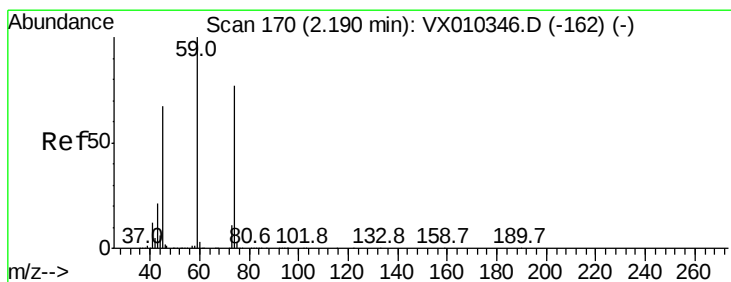
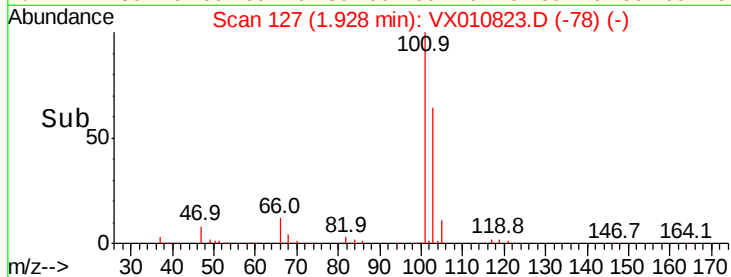
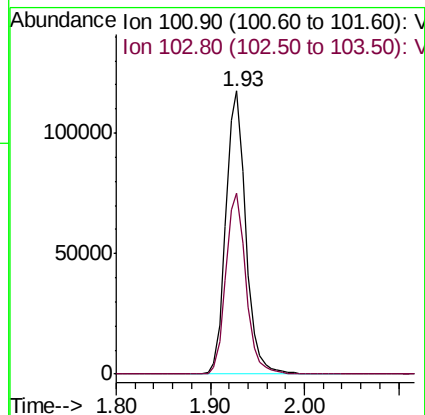
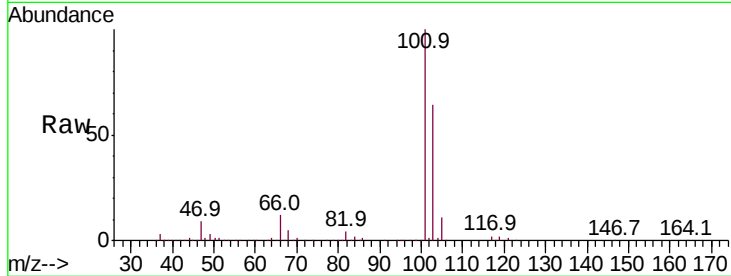
Trichlorofluoromethane
Concen: 48.054 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

Manual Integrations
APPROVED

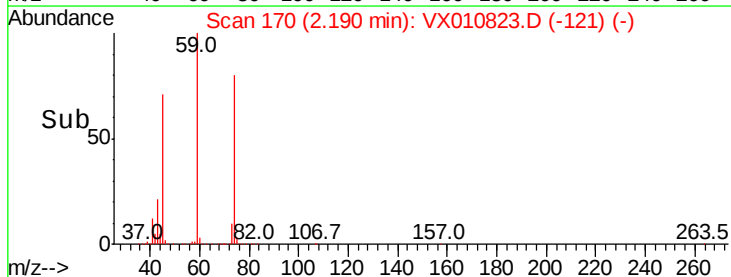
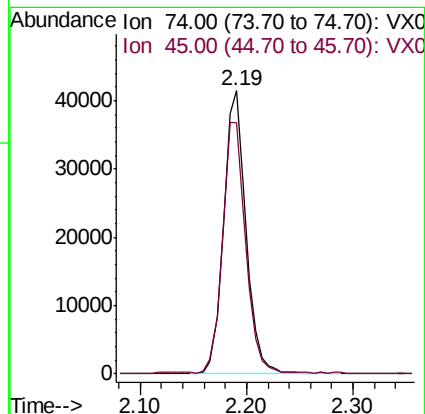
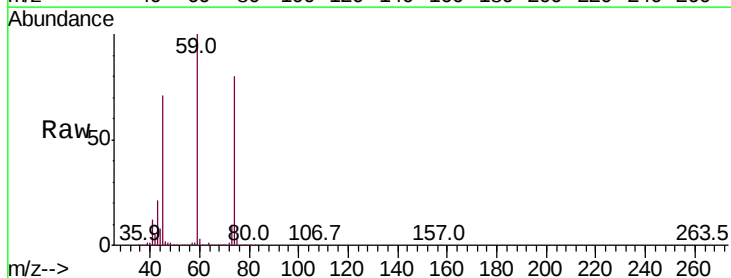
MMDadoda
7/15/2019 11:00:16 AM

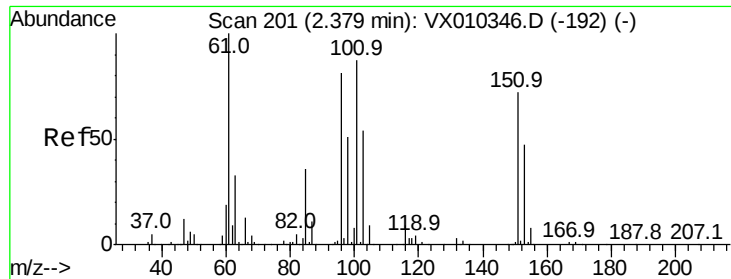


#8

Diethyl Ether
Concen: 47.290 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	44.8	134.4





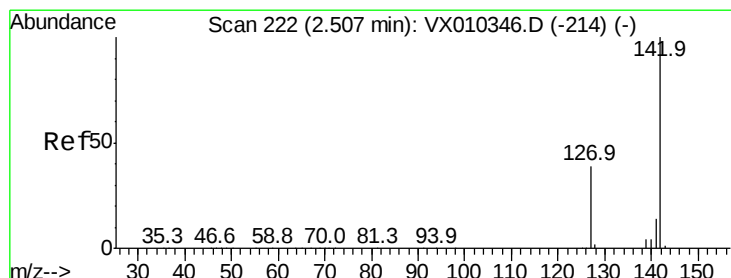
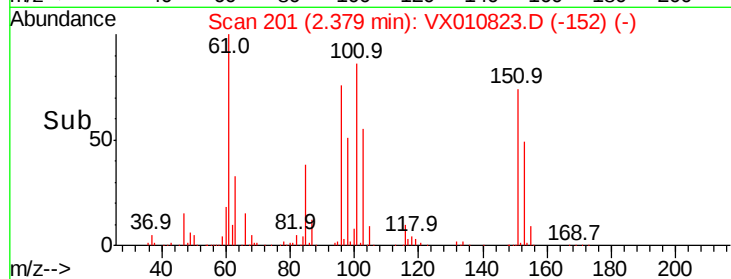
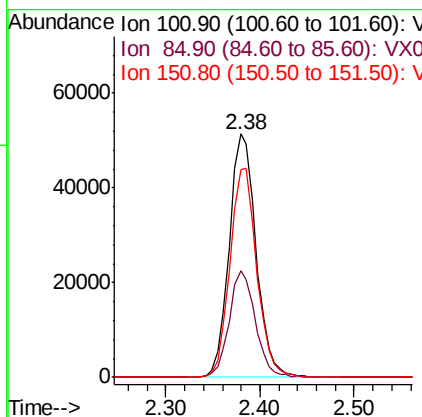
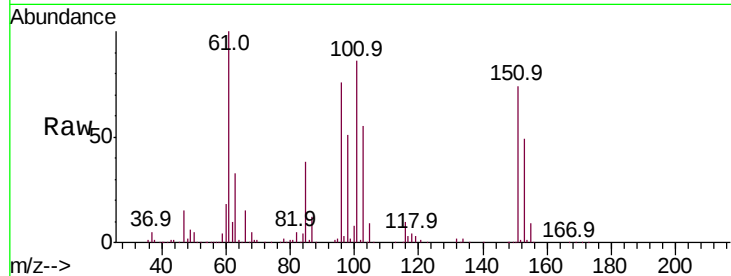
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.713 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	33.7	50.5
151	86.1	70.1	105.1

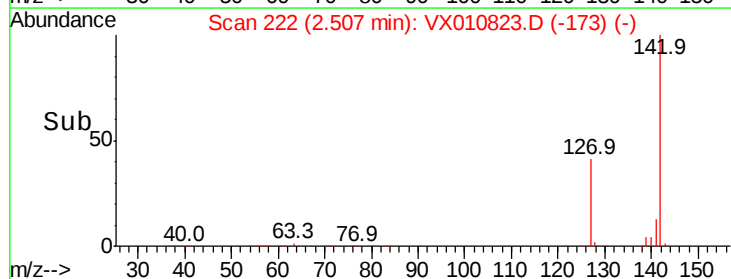
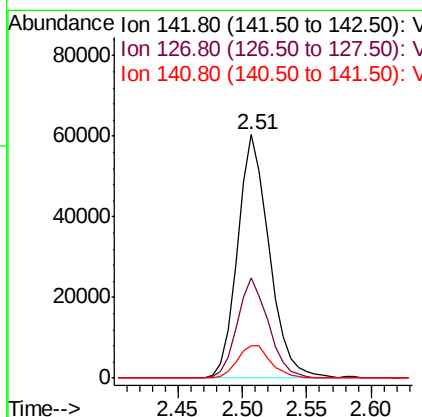
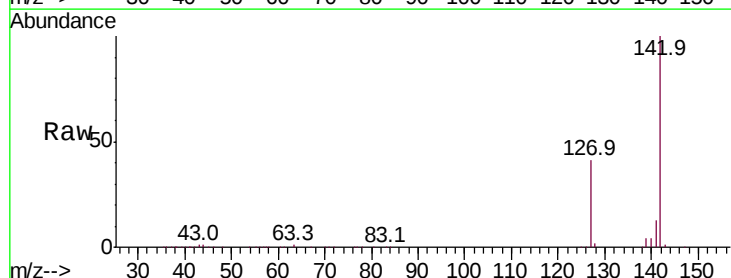
Manual Integrations
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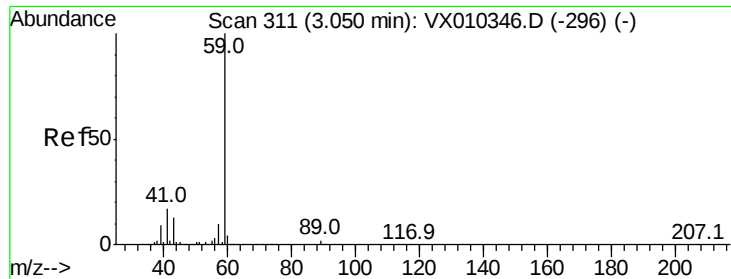
MMDadoda
7/15/2019 11:00:16 AM



#10
Methyl Iodide
Concen: 33.163 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.0	31.1	46.7
141	14.3	11.2	16.8





#11

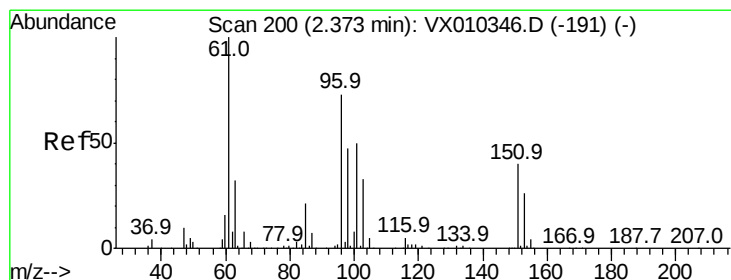
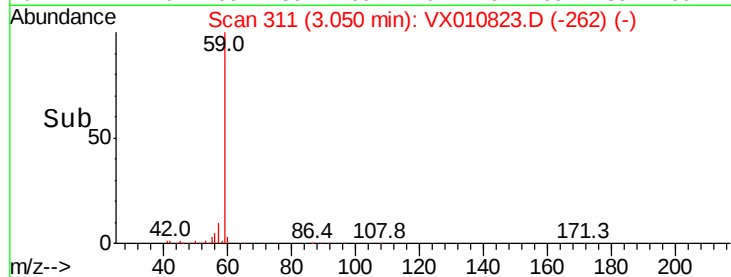
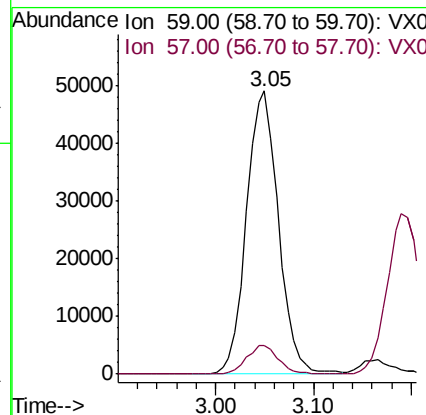
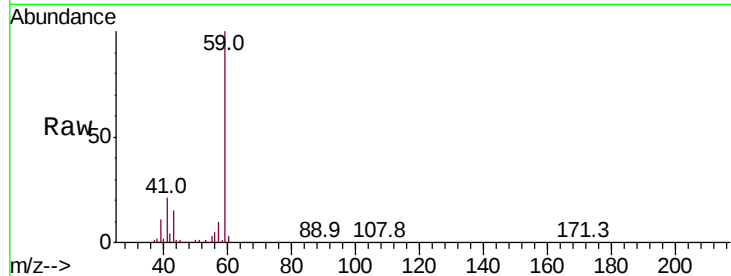
Tert butyl alcohol
Concen: 178.450 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	111720
Ion Ratio	100	Lower	Upper
57	10.2	7.7	11.5

Manual Integrations
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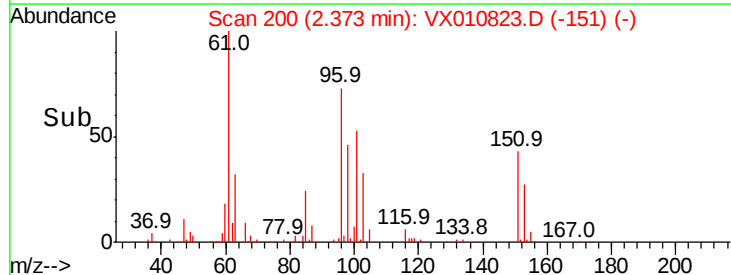
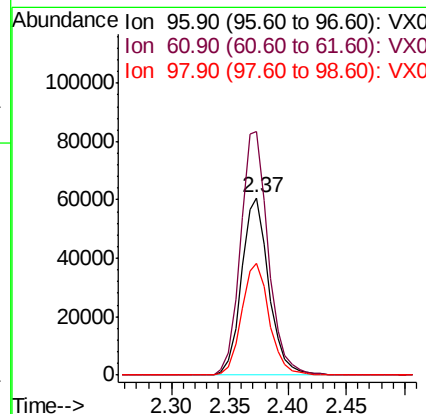
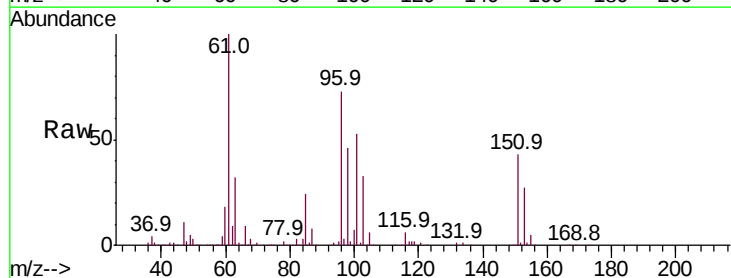
MMDadoda
7/15/2019 11:00:16 AM

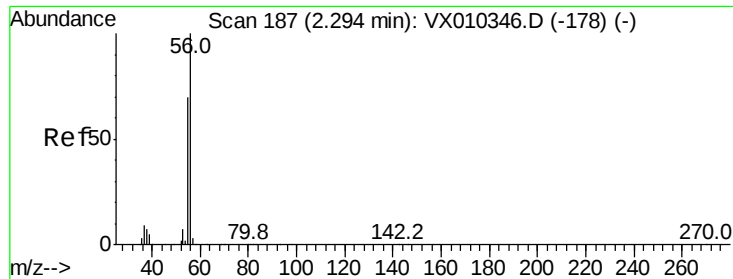


#12

1,1-Dichloroethene
Concen: 44.868 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	96	Resp	99241
Ion Ratio	100	Lower	Upper
61	137.4	109.2	163.8
98	62.8	51.1	76.7





#13

Acrolein

Concen: 194.847 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 80922

Ion Ratio Lower Upper

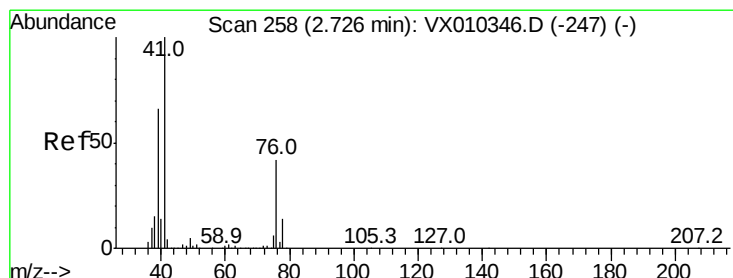
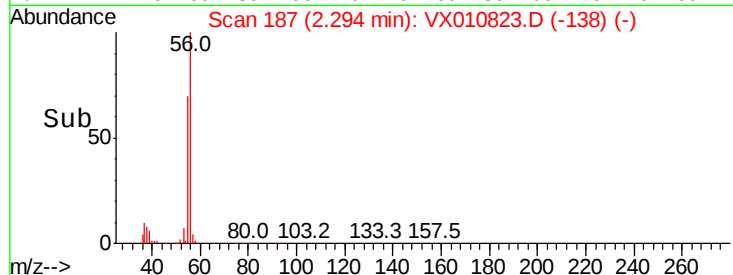
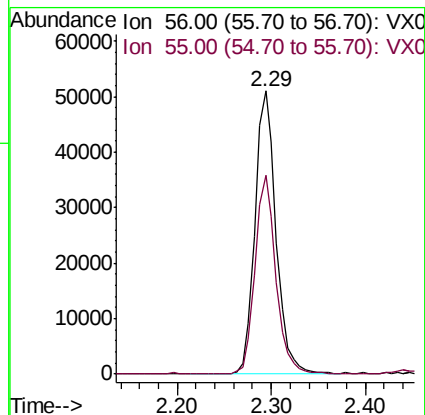
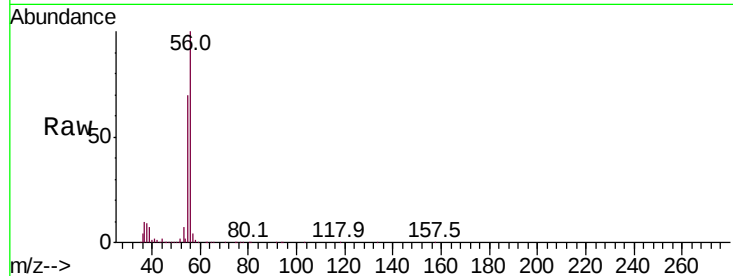
56 100

55 68.8 56.9 85.3

Manual Integrations
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7/15/2019 11:00:16 AM



#14

Allyl chloride

Concen: 45.298 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

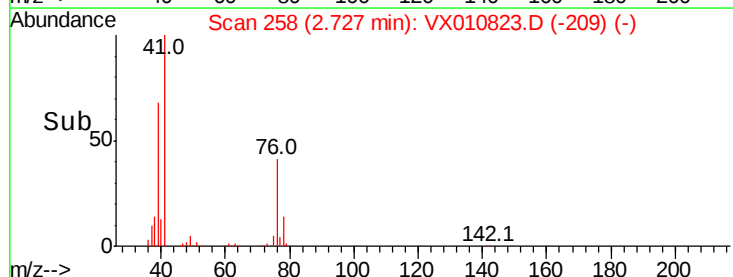
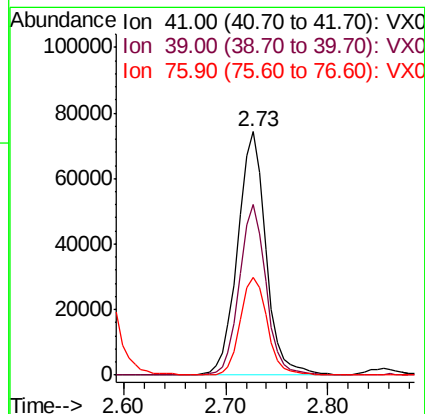
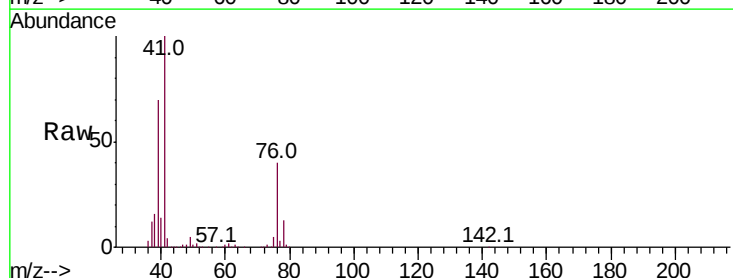
Tgt Ion: 41 Resp: 142243

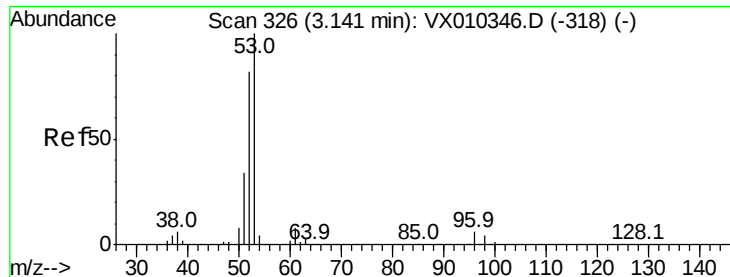
Ion Ratio Lower Upper

41 100

39 65.9 50.3 75.5

76 38.5 31.3 46.9





#15

Acrylonitrile

Concen: 221.611 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

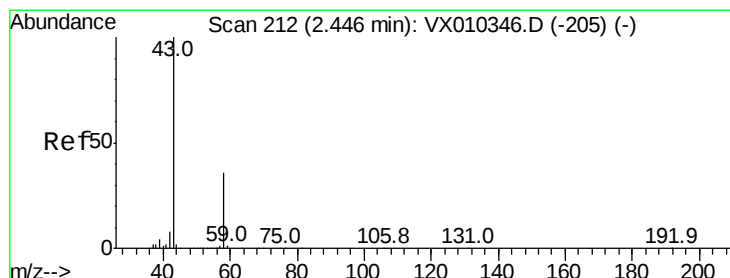
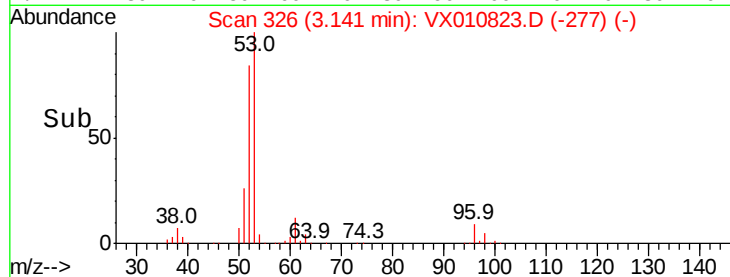
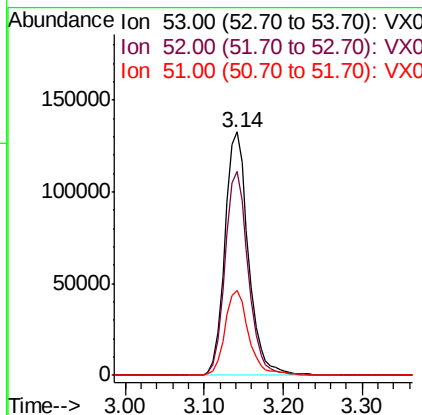
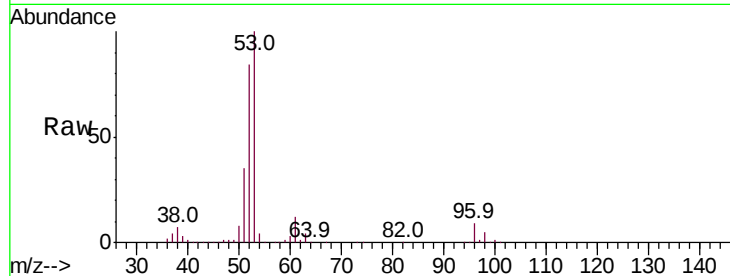
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	274692
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.5	98.3
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 252.457 ug/l

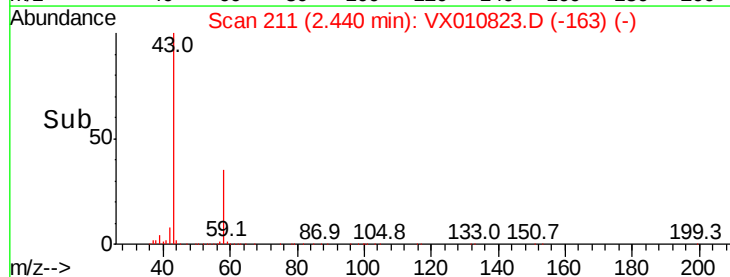
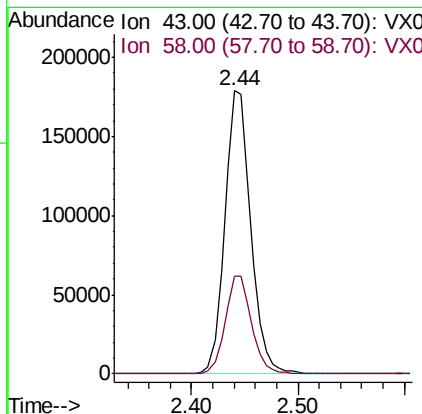
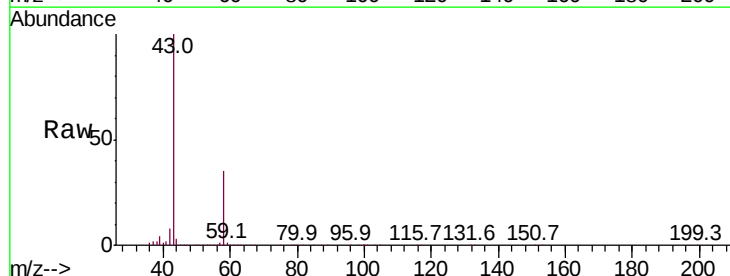
RT: 2.44 min Scan# 211

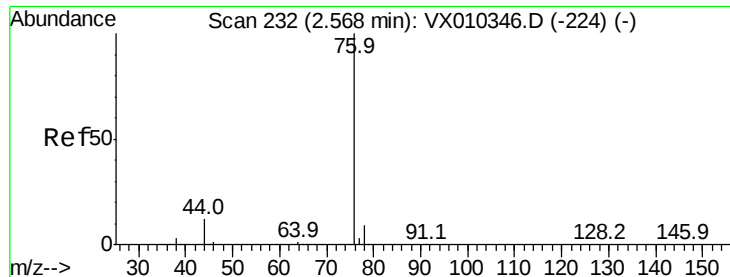
Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion:	43	Resp:	302717
Ion Ratio	Lower	Upper	
43	100		
58	34.7	28.9	43.3





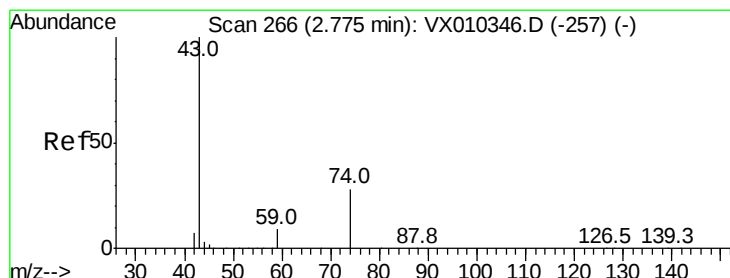
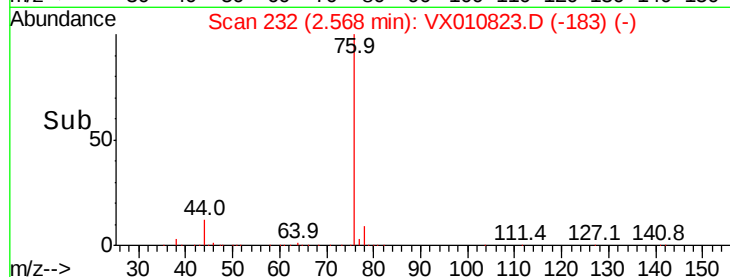
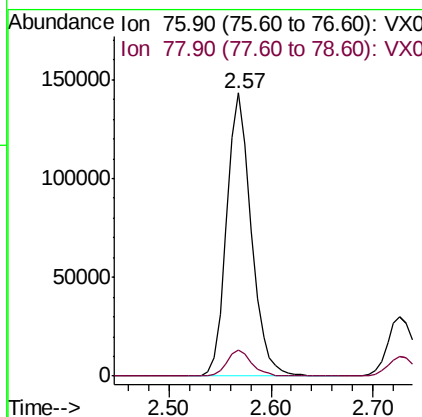
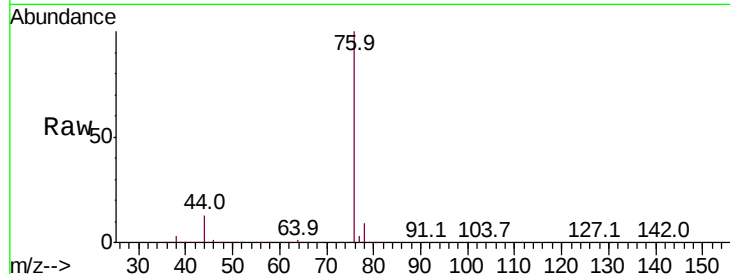
#17
Carbon Disulfide
Concen: 40.295 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

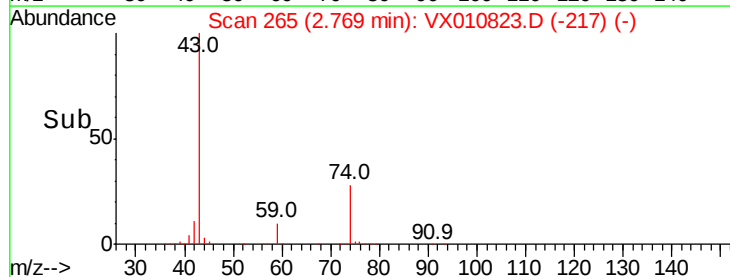
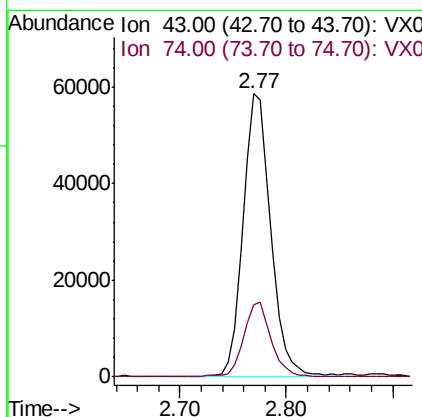
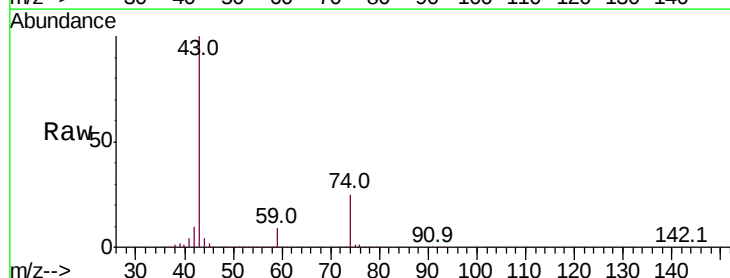
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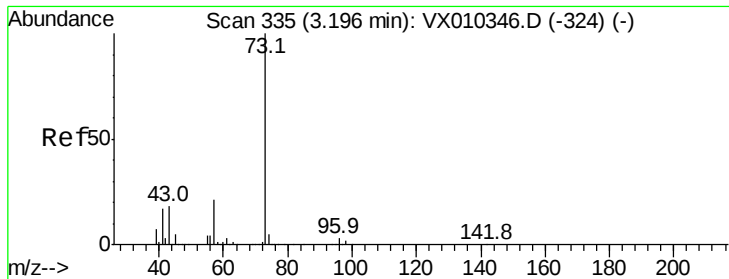
MMDadoda
7/15/2019 11:00:16 AM



#18
Methyl Acetate
Concen: 44.666 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.3	31.9





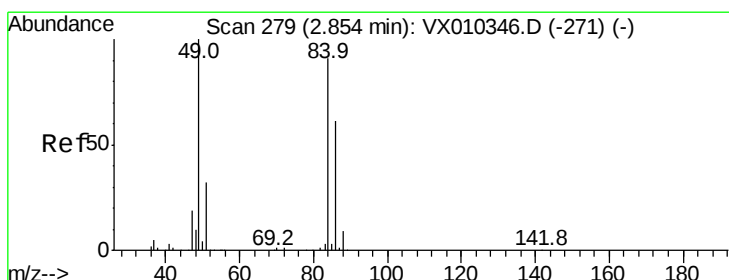
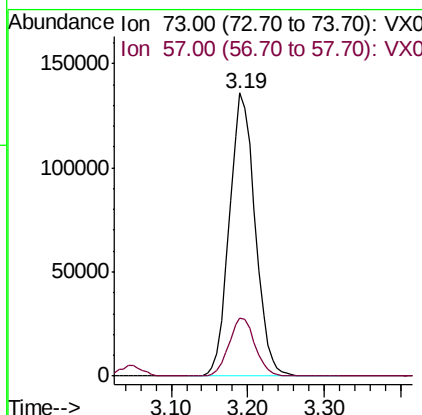
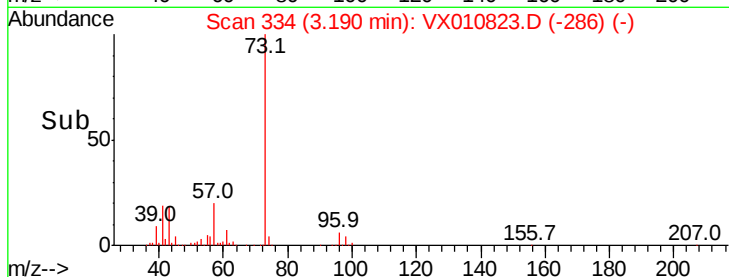
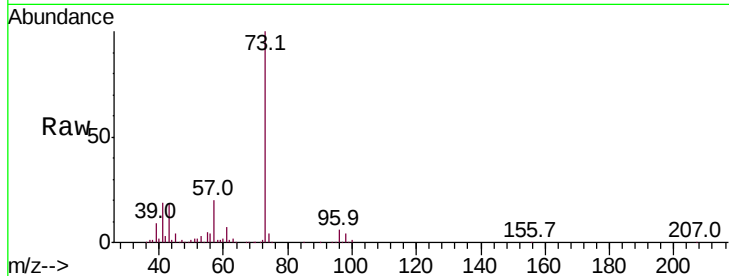
#19
Methyl tert-butyl Ether
Concen: 45.450 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 316255
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6

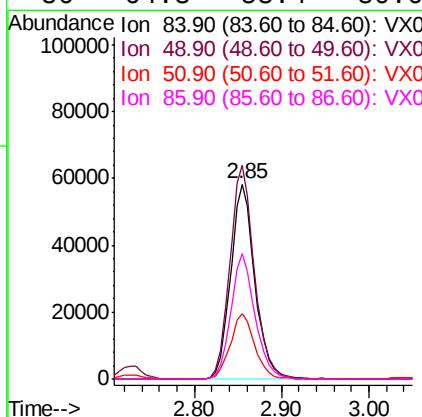
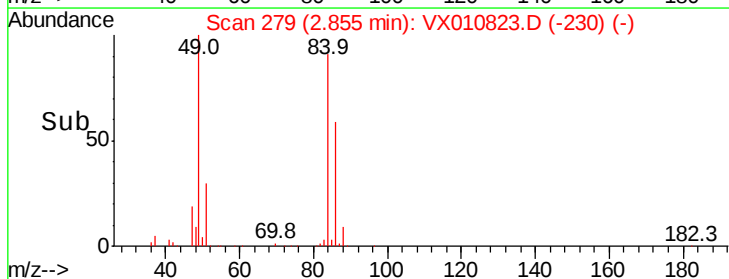
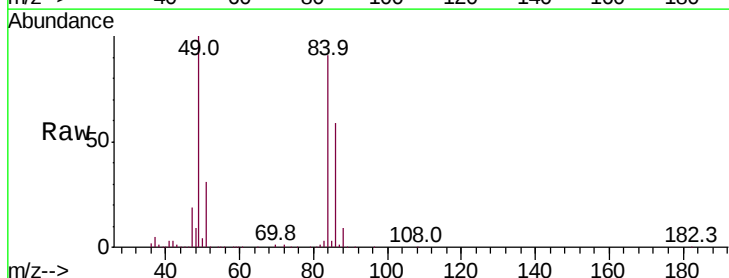
Manual Integrations
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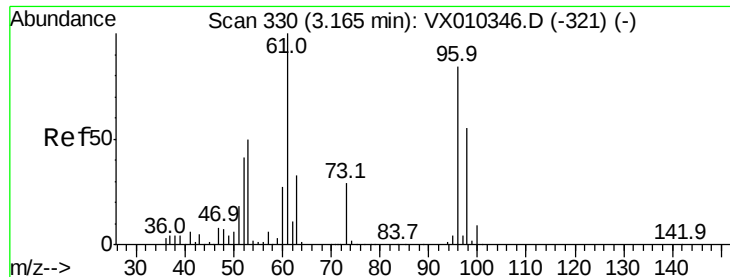
MMDadoda
7/15/2019 11:00:16 AM



#20
Methylene Chloride
Concen: 45.250 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 84 Resp: 111662
Ion Ratio Lower Upper
84 100
49 109.3 87.5 131.3
51 33.4 27.7 41.5
86 64.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 43.955 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 104563

Ion Ratio Lower Upper

96 100

61 119.9 95.6 143.4

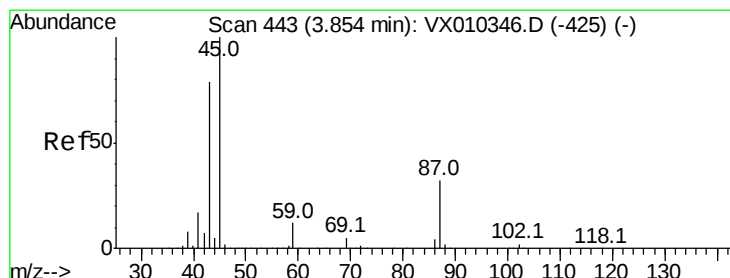
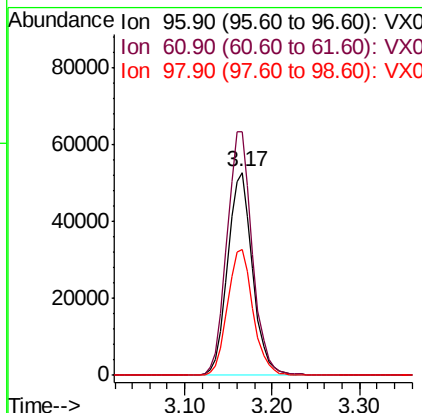
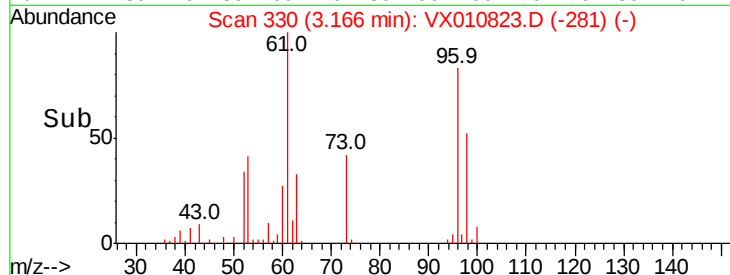
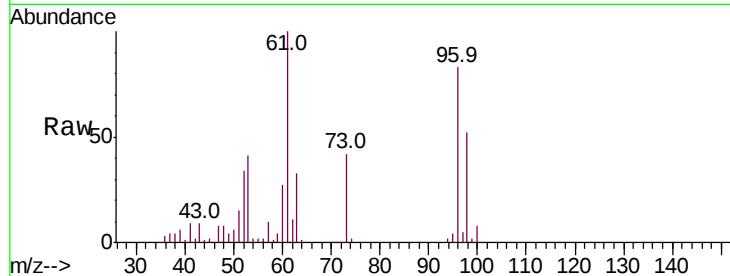
98 62.1 52.5 78.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 46.611 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion: 45 Resp: 306020

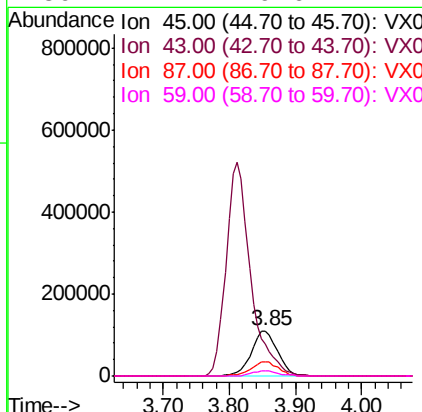
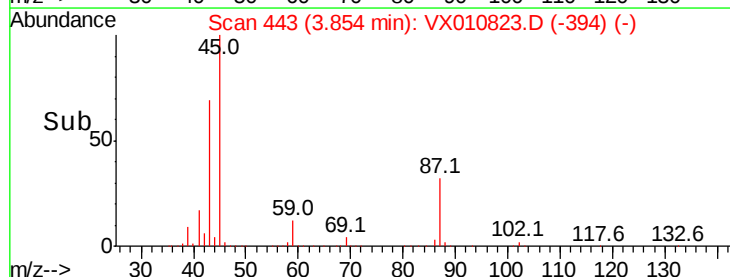
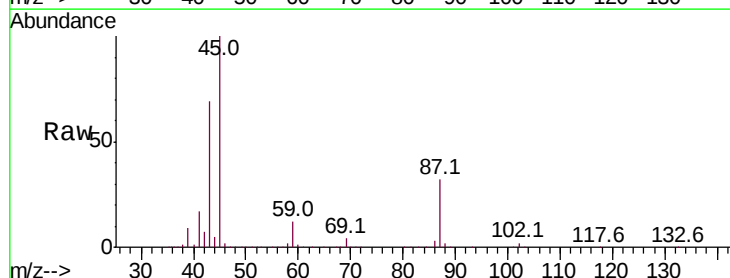
Ion Ratio Lower Upper

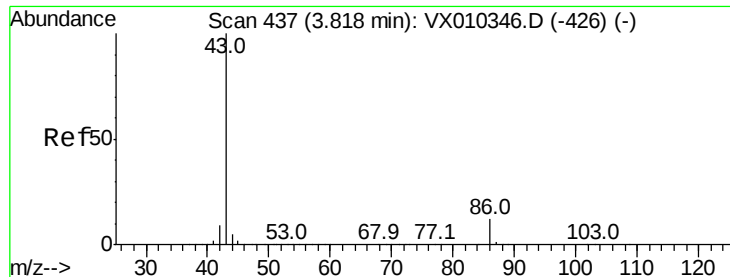
45 100

43 69.4 63.3 94.9

87 32.0 25.8 38.8

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 236.524 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1341516

Ion Ratio Lower Upper

43 100

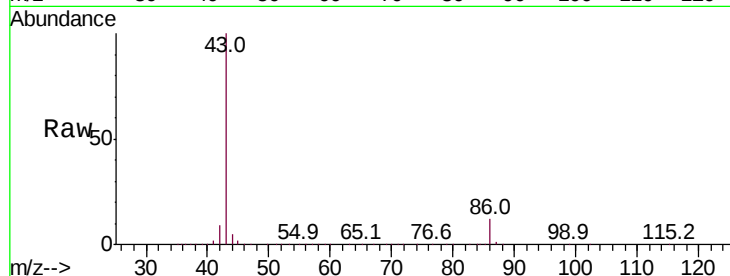
86 11.8 9.9 14.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

500000

400000

300000

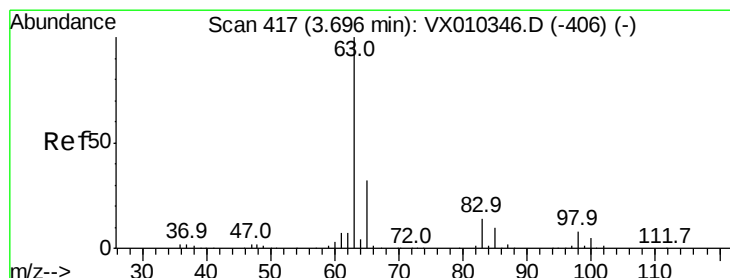
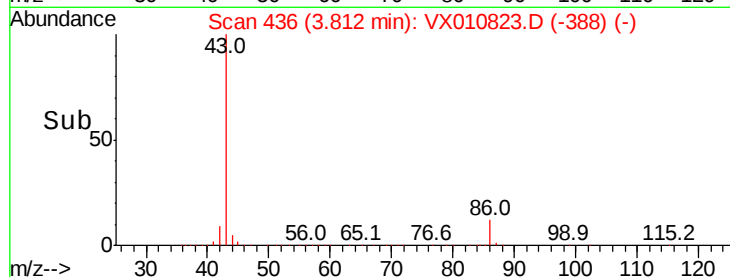
200000

100000

0

3.81

Time-->



#24

1,1-Dichloroethane

Concen: 45.754 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

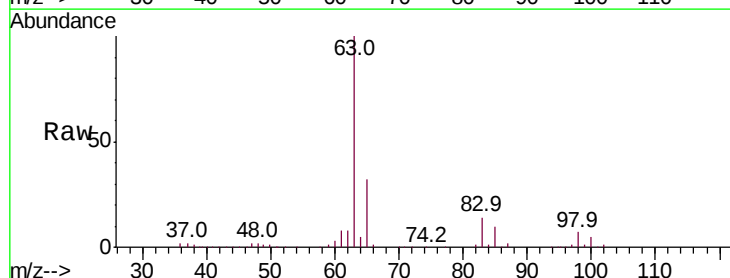
Tgt Ion: 63 Resp: 173639

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

60000

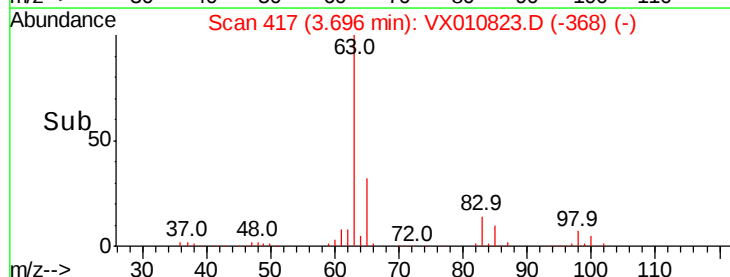
40000

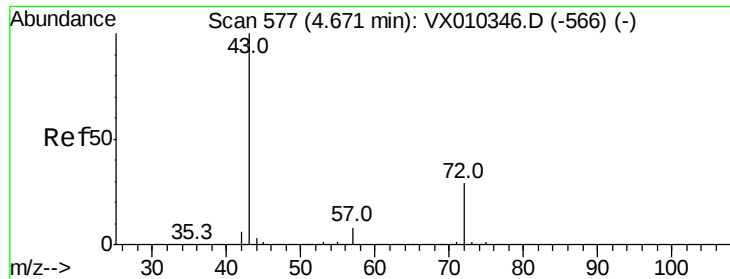
20000

0

3.70

Time-->





#25

2-Butanone

Concen: 232.197 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 408411

Ion Ratio Lower Upper

43 100

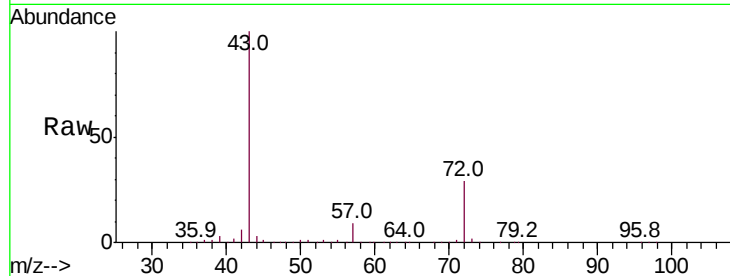
72 28.7 23.3 34.9

Manual Integrations

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7/15/2019 11:00:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

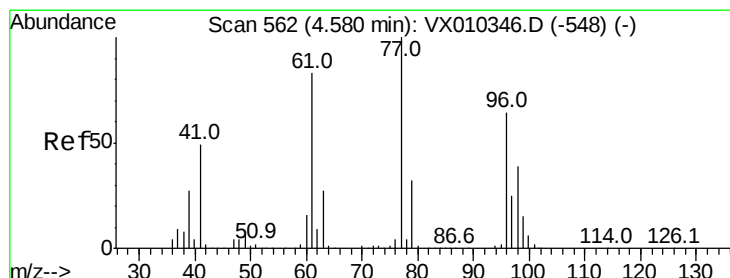
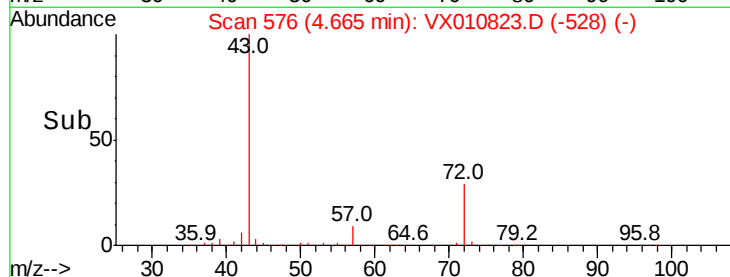
100000

50000

0

4.60 4.65 4.70 4.75 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.147 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010823.D

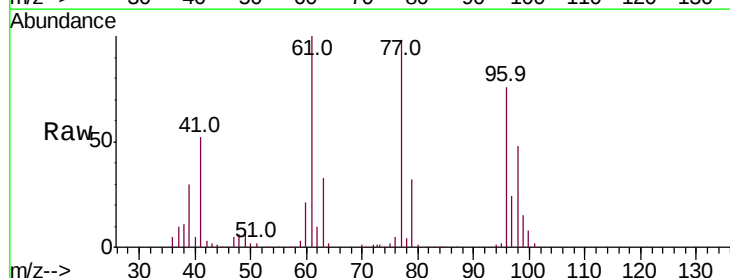
Acq: 12 Jul 2019 09:41

Tgt Ion: 77 Resp: 145540

Ion Ratio Lower Upper

77 100

97 25.2 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

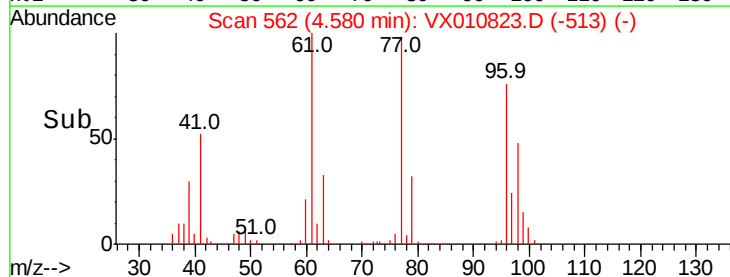
20000

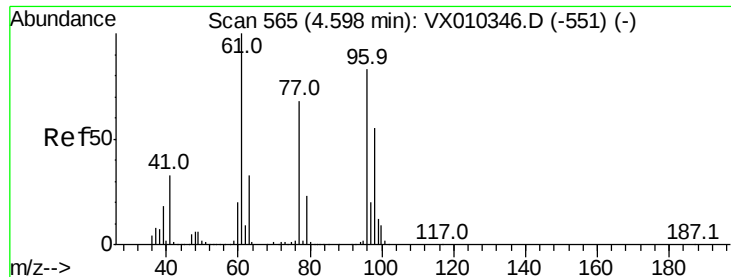
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

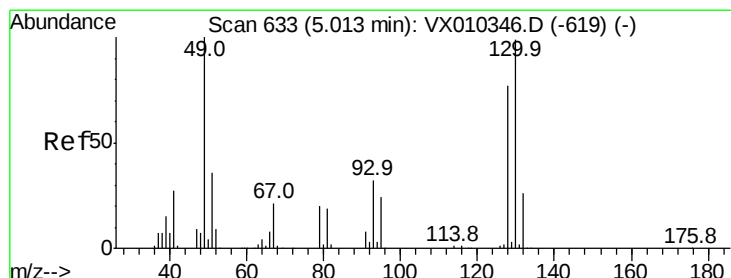
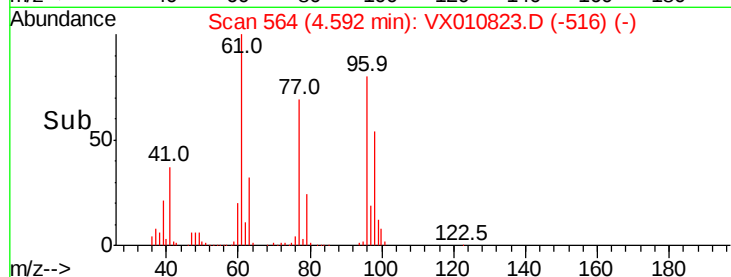
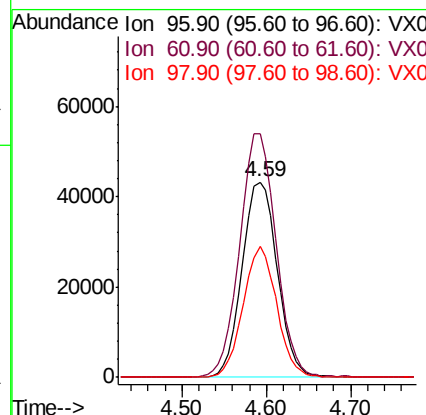
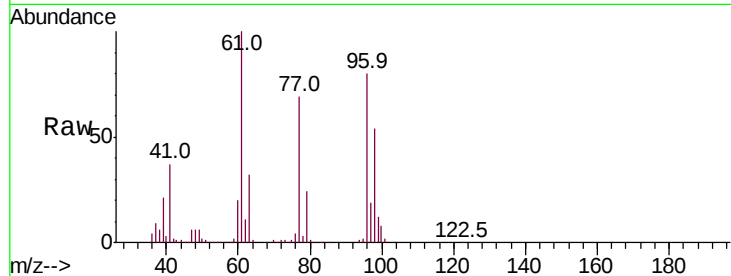
cis-1,2-Dichloroethene
 Concen: 44.615 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122646		
61	129.0	0.0	251.8	
98	64.1	0.0	129.4	

Manual Integrations
 APPROVED

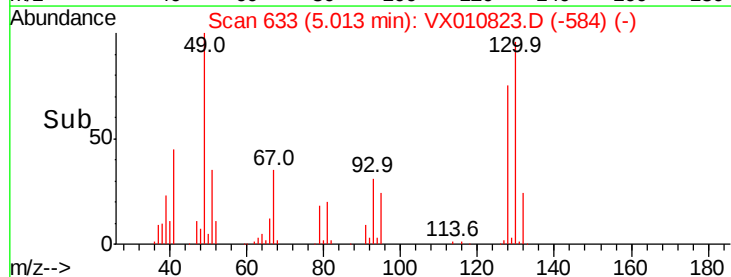
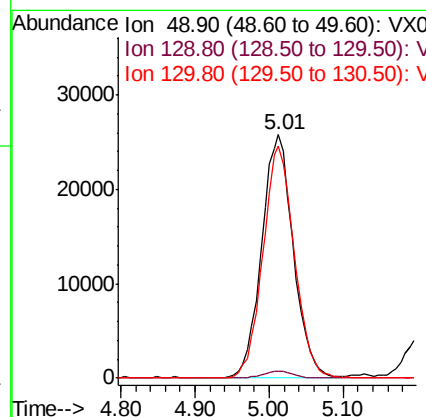
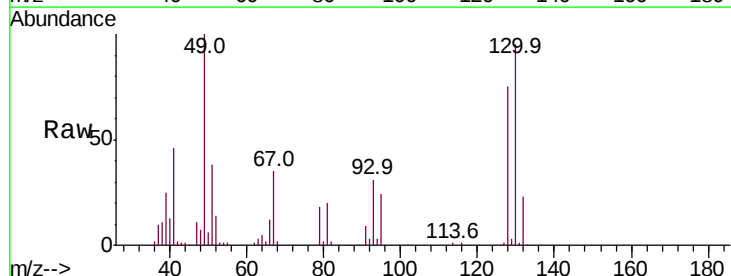
MMDadoda
 7/15/2019 11:00:16 AM

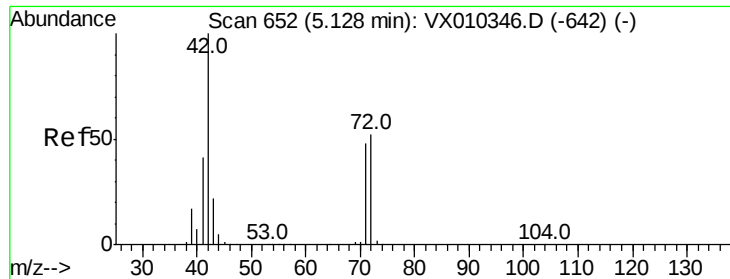


#28

Bromochloromethane
 Concen: 42.413 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	76958		
129	2.6	0.0	5.6	
130	94.2	81.4	122.0	





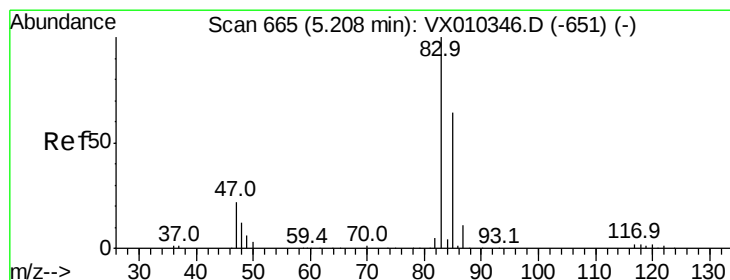
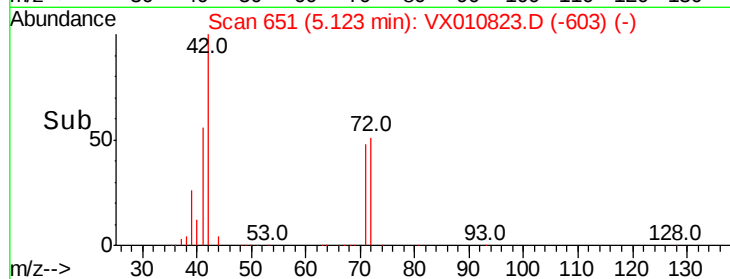
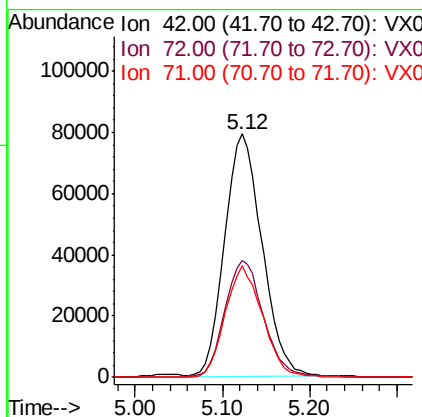
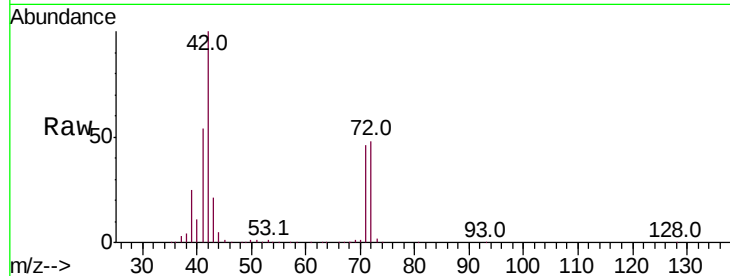
#29
Tetrahydrofuran
Concen: 216.862 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.6	60.8
71	45.9	37.8	56.8

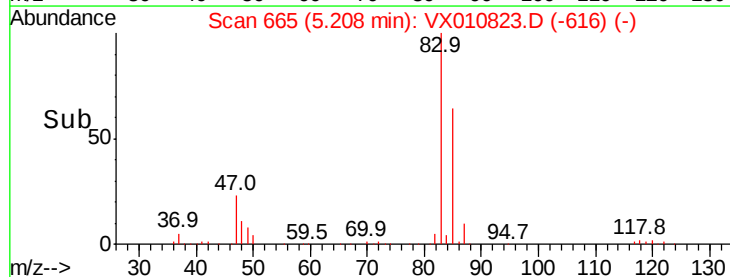
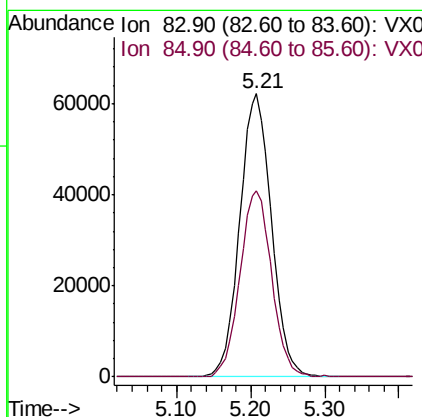
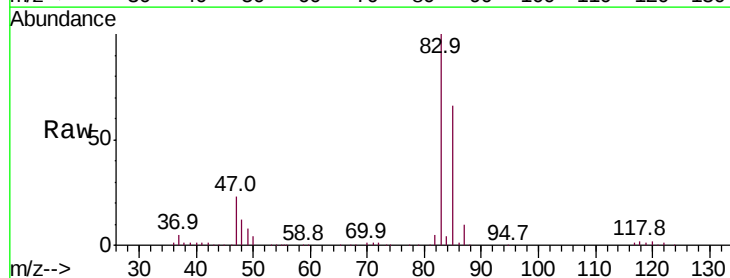
Manual Integrations
APPROVED

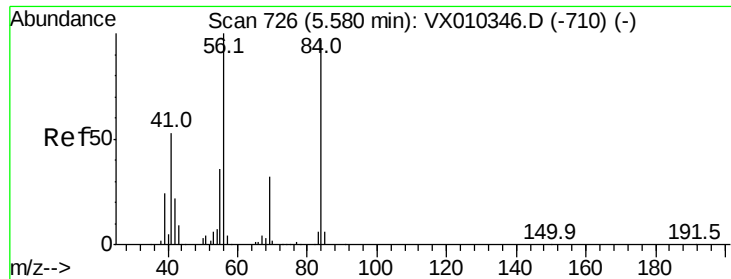
MMDadoda
7/15/2019 11:00:16 AM



#30
Chloroform
Concen: 45.500 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3





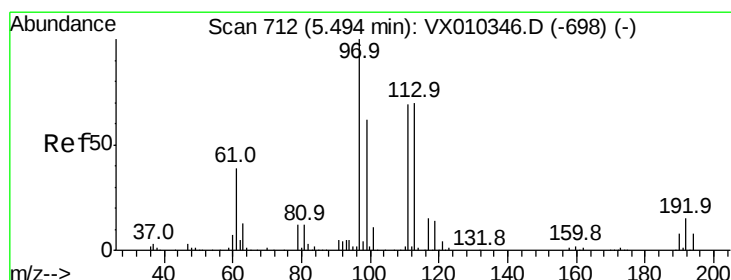
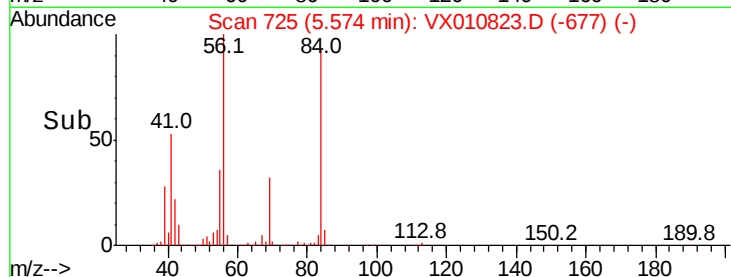
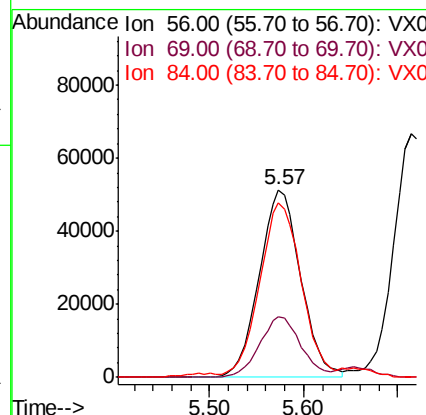
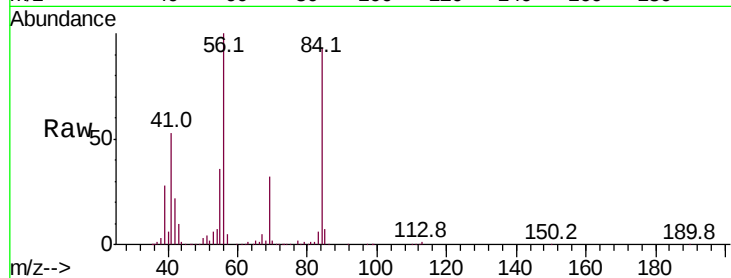
#31
Cvclohexane
Concen: 45.637 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.9	38.9
84	91.4	78.0	117.0

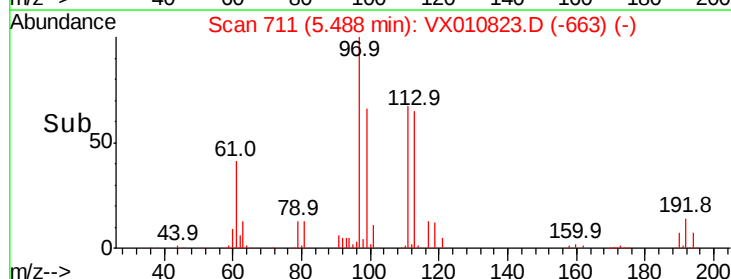
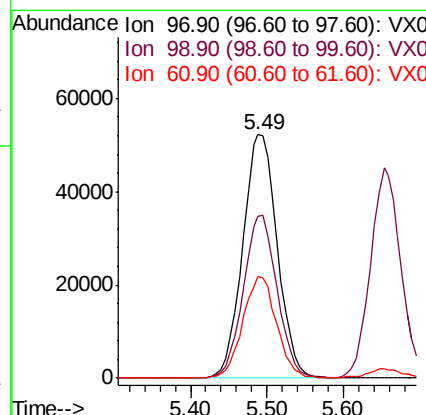
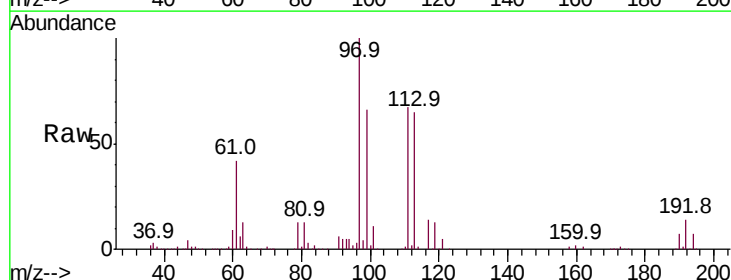
Manual Integrations
APPROVED

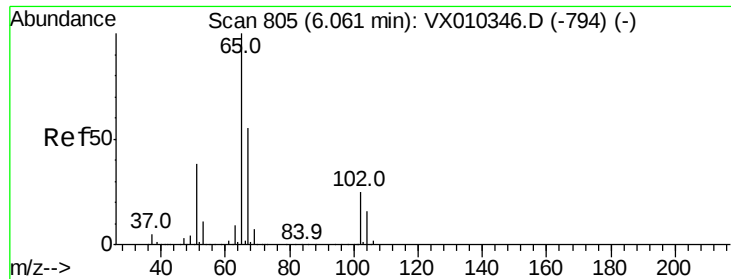
MMDadoda
7/15/2019 11:00:16 AM



#32
1,1,1-Trichloroethane
Concen: 45.417 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.8
61	40.7	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 43.824 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 104852

Ion Ratio Lower Upper

65 100

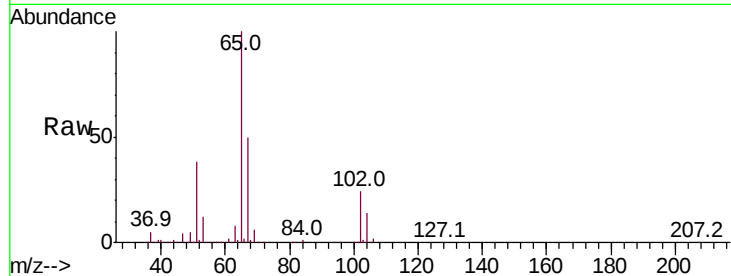
67 54.1 0.0 110.2

Manual Integrations

APPROVED

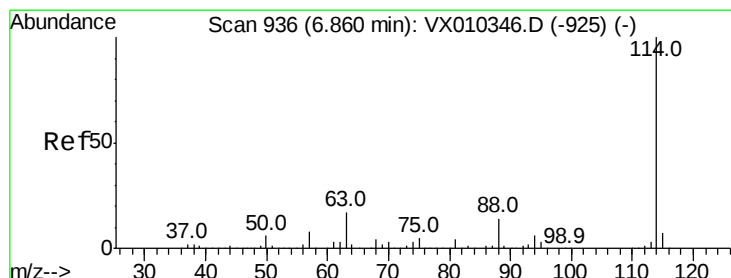
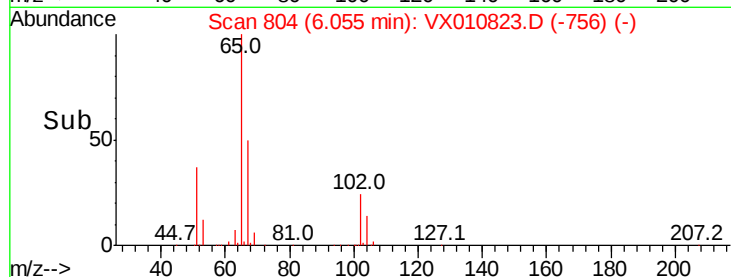
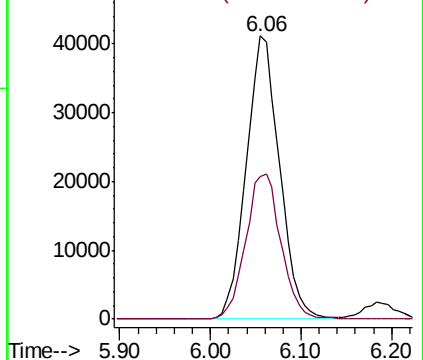
MMDadoda

7/15/2019 11:00:16 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

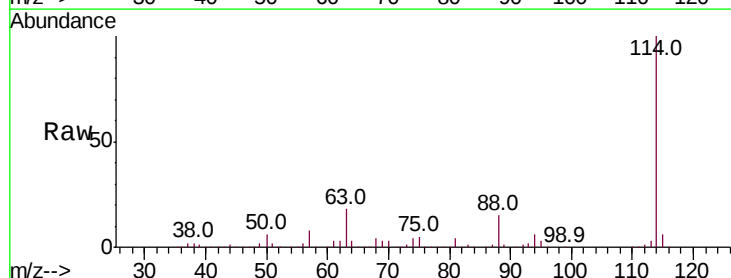
Tgt Ion: 114 Resp: 367523

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

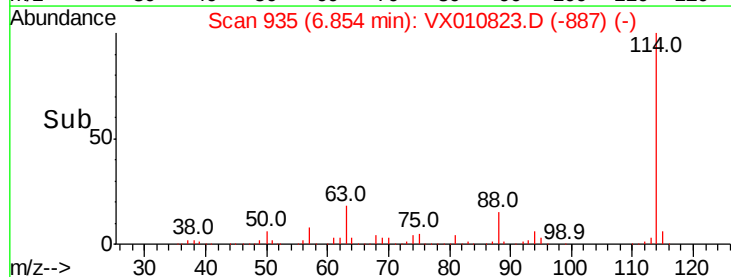
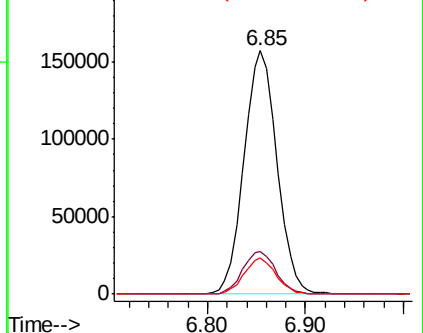
88 14.9 0.0 27.6

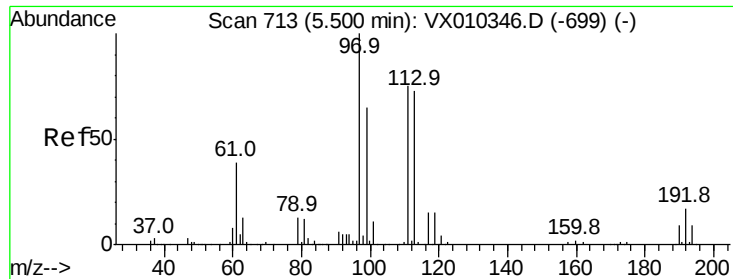


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





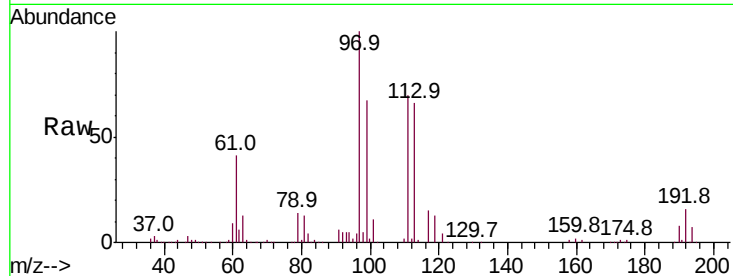
#35
Dibromofluoromethane
Concen: 45.297 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	81.2	121.8	
192	22.6	18.6	27.8	

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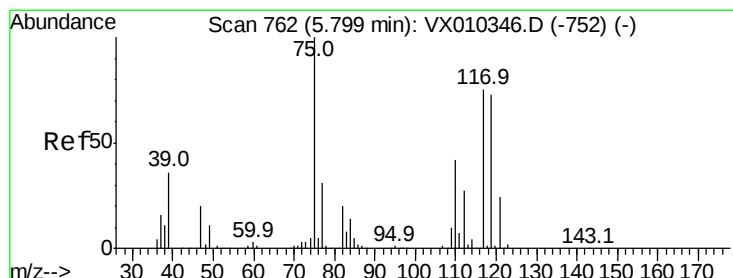
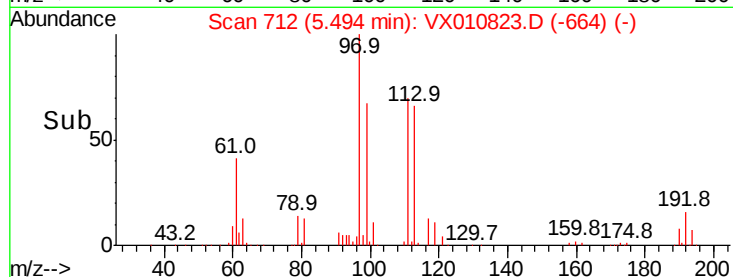
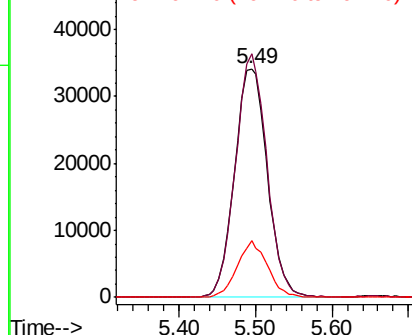


Abundance

Ion 112.80 (112.50 to 113.50): V

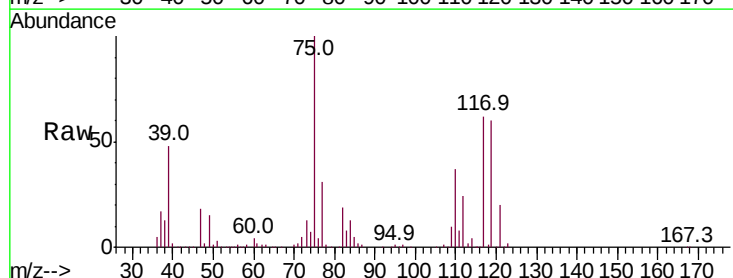
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 46.858 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.5	20.8	62.2	
77	31.0	25.4	38.0	

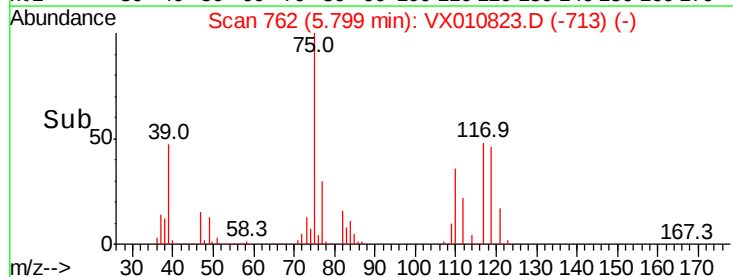
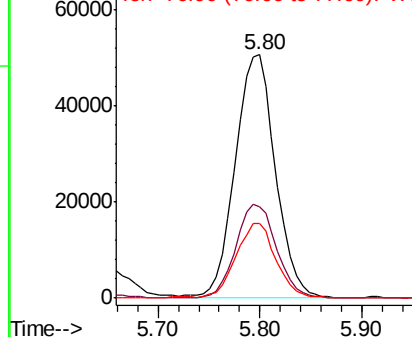


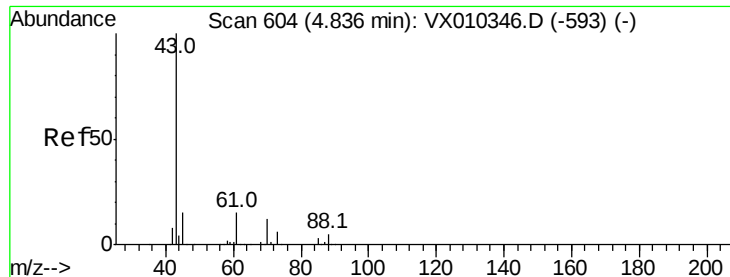
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





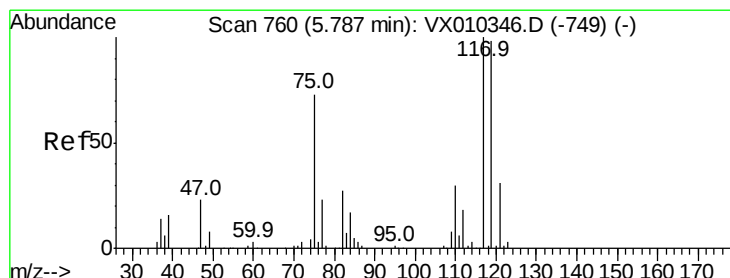
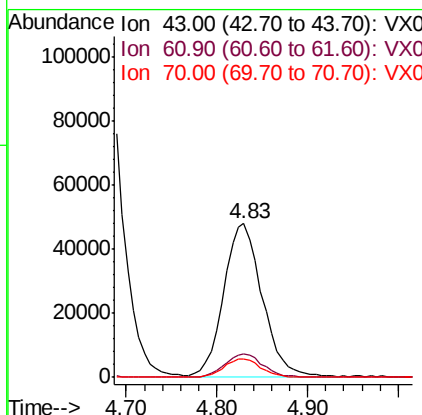
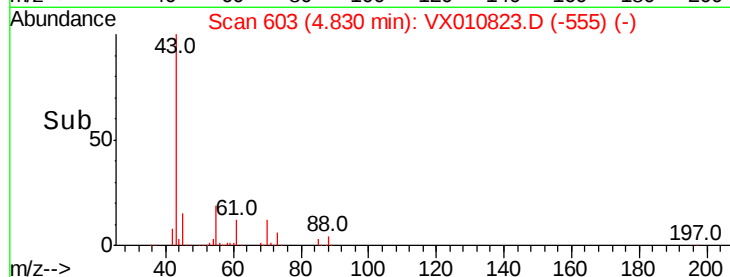
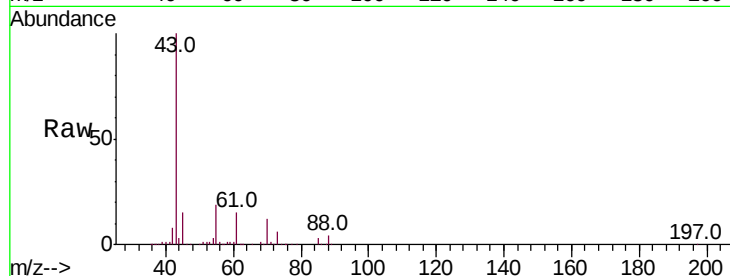
#37
Ethyl Acetate
Concen: 46.552 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	12.0	9.8	14.8

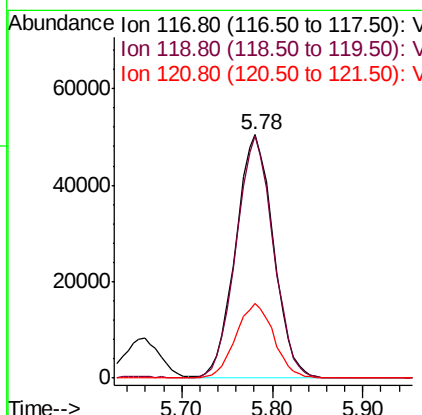
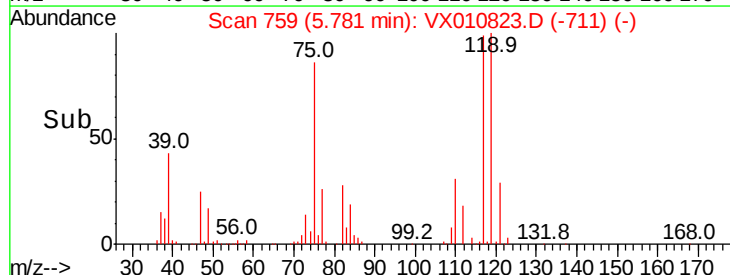
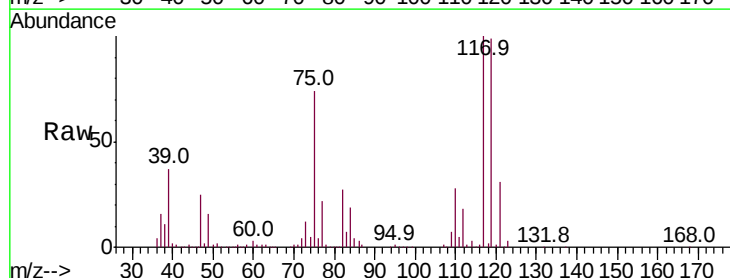
Manual Integrations
APPROVED

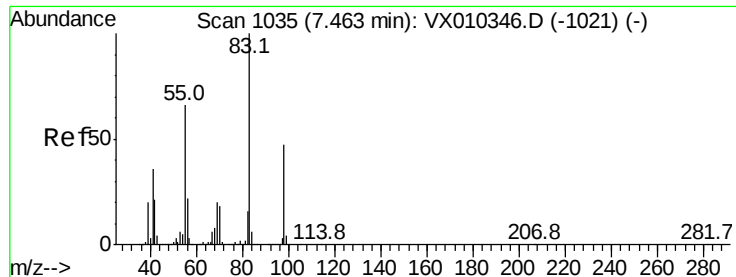
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.075 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	78.2	117.4
121	30.6	24.7	37.1





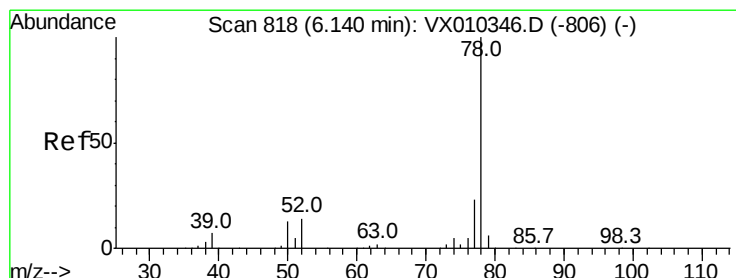
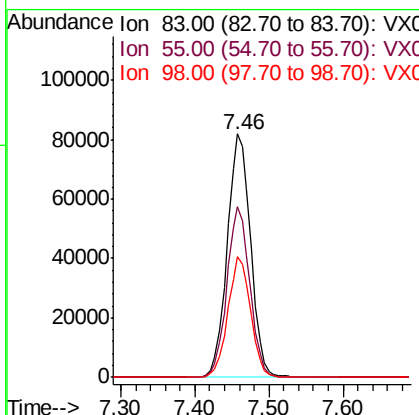
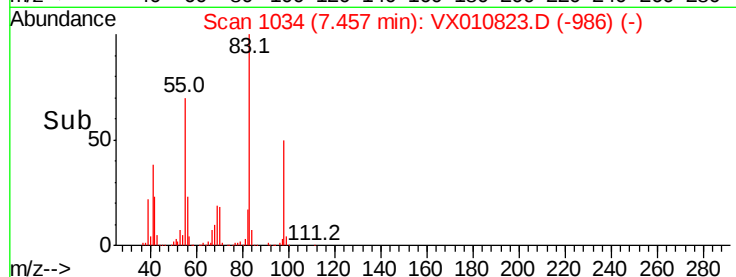
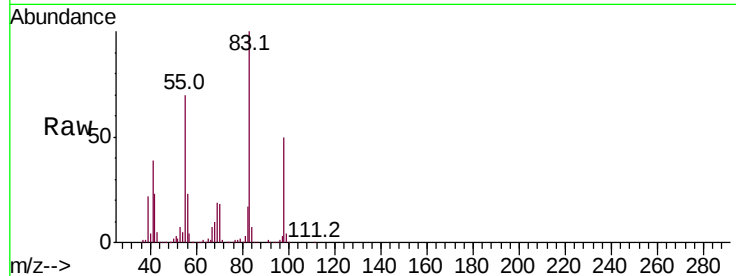
#39
Methvlcvclohexane
Concen: 46.694 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	53.0	79.6
98	49.8	37.8	56.8

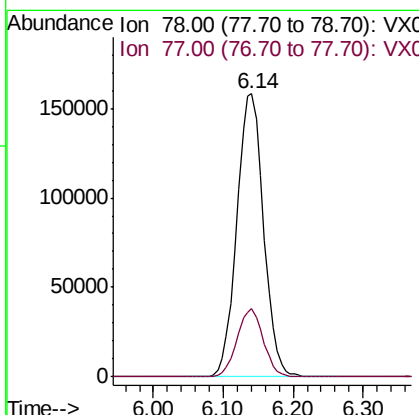
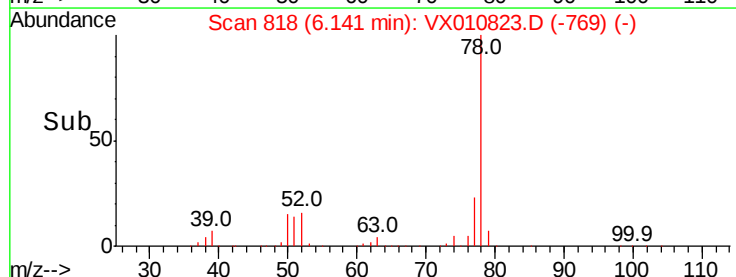
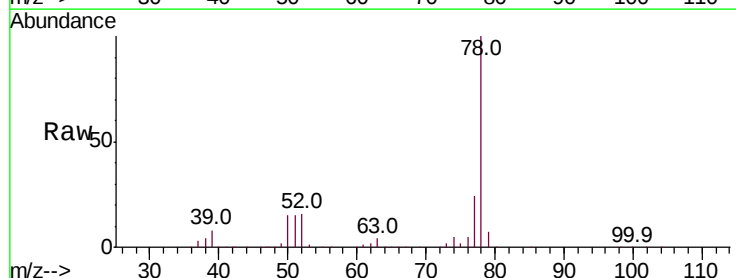
Manual Integrations
APPROVED

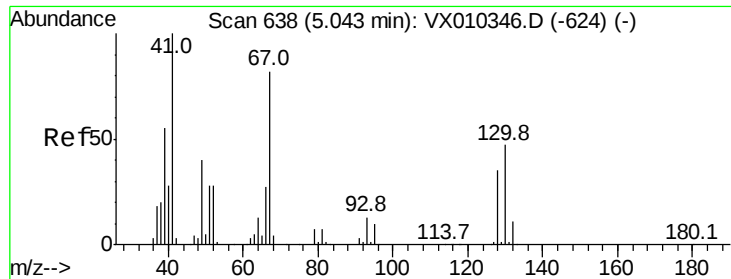
MMDadoda
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#40
Benzene
Concen: 46.046 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





#41

Methacrylonitrile

Concen: 46.734 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 77043

Ion Ratio Lower Upper

41 100

39 54.6 43.8 65.8

67 79.8 66.6 100.0

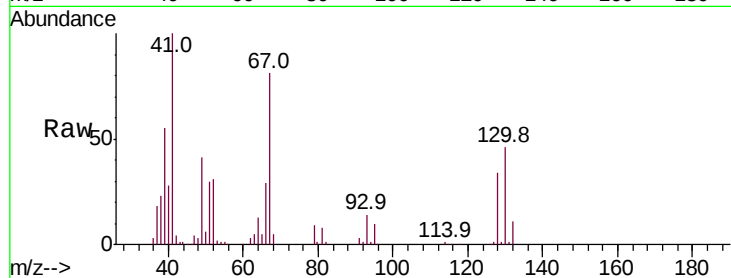
52 30.5 24.5 36.7

Manual Integrations

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7/15/2019 11:00:16 AM

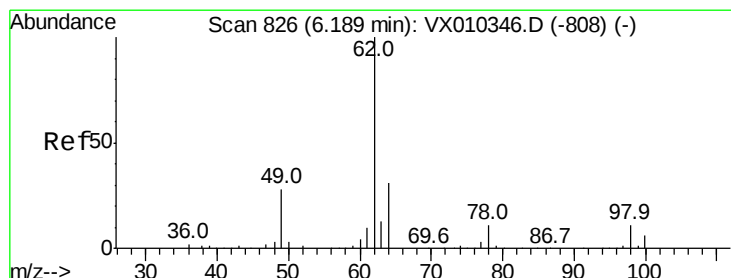
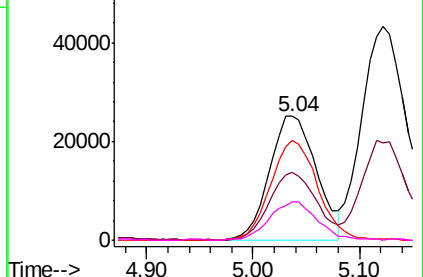
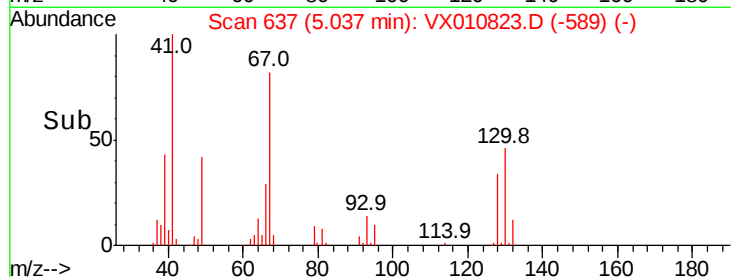


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 50.459 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010823.D

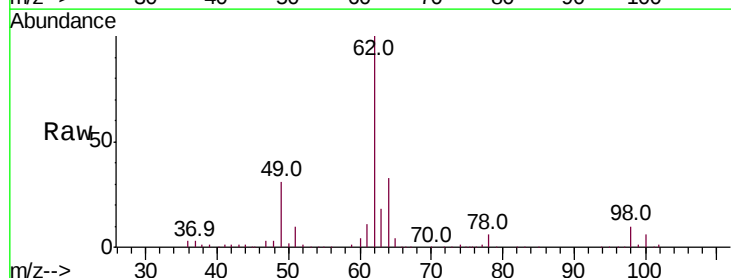
Acq: 12 Jul 2019 09:41

Tgt Ion: 62 Resp: 139756

Ion Ratio Lower Upper

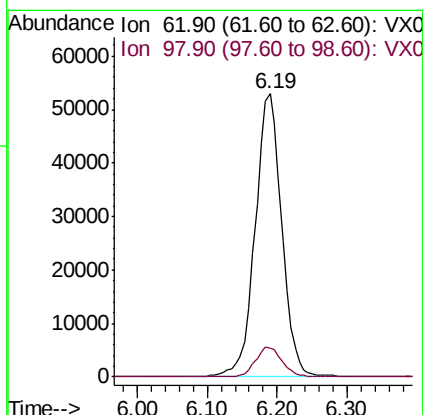
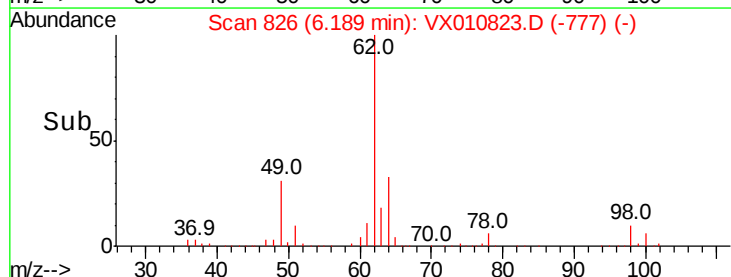
62 100

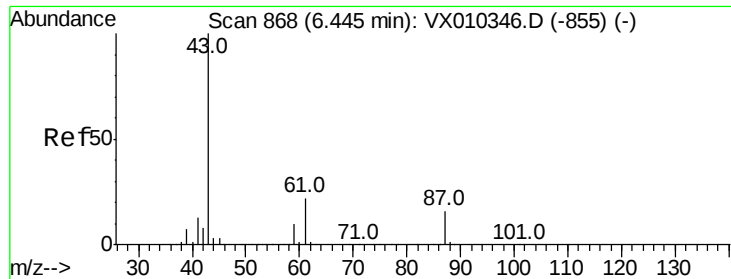
98 10.5 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





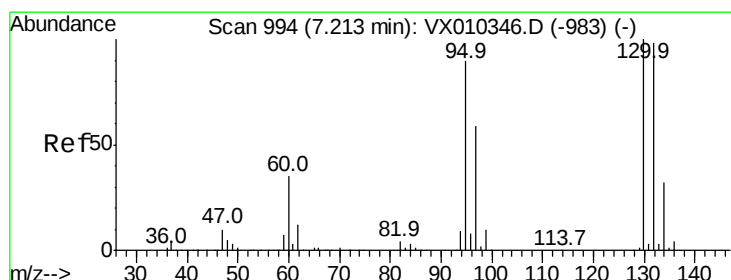
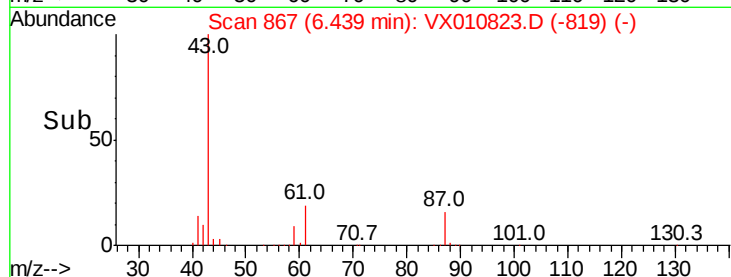
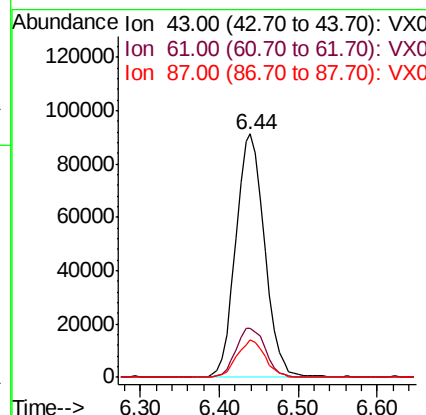
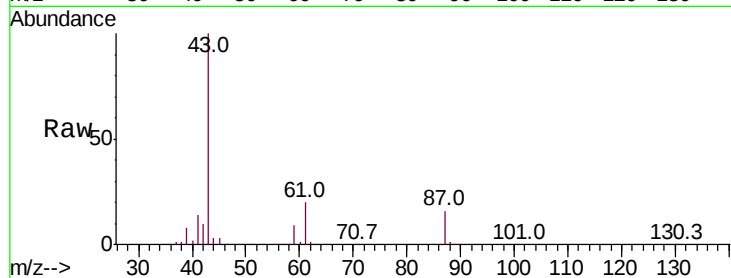
#43
Isopropyl Acetate
Concen: 46.524 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.8	26.6
87	15.2	13.0	19.4

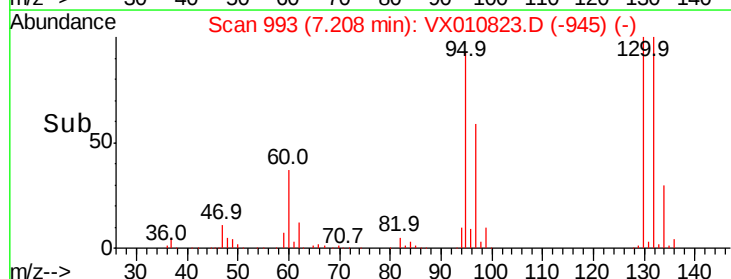
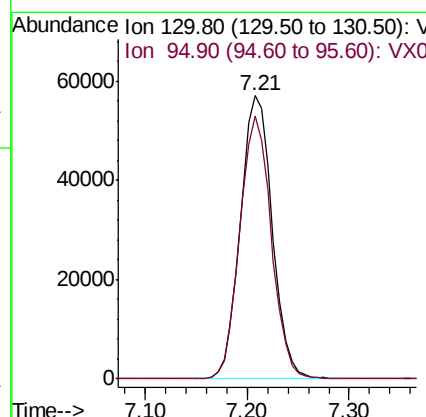
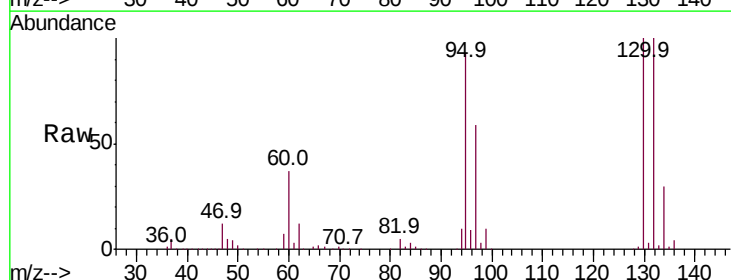
Manual Integrations
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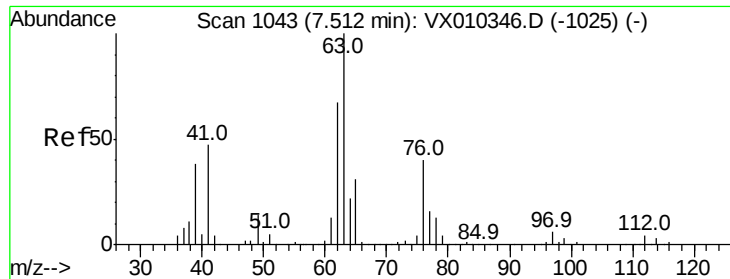
MMDadoda
7/15/2019 11:00:16 AM



#44
Trichloroethene
Concen: 45.353 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	180.8





#45

1,2-Dichloropropane

Concen: 46.187 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 106124

Ion Ratio Lower Upper

63 100

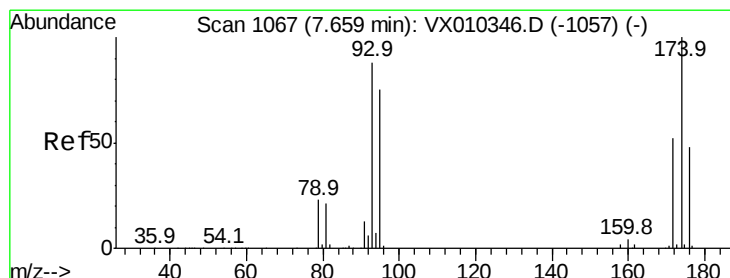
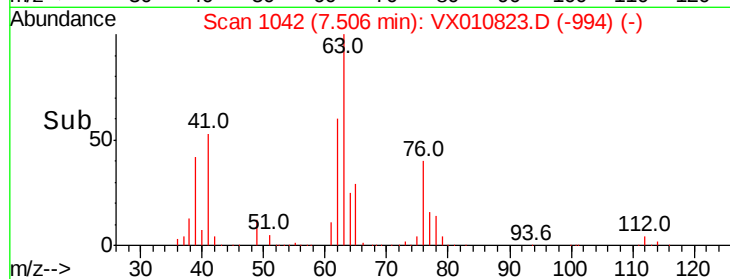
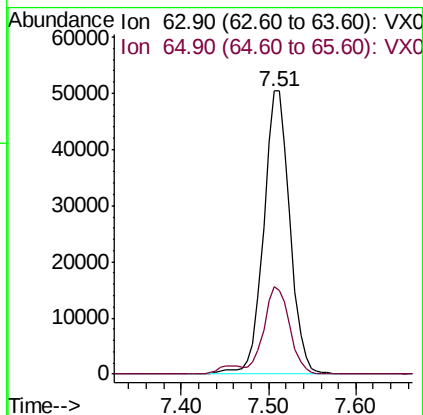
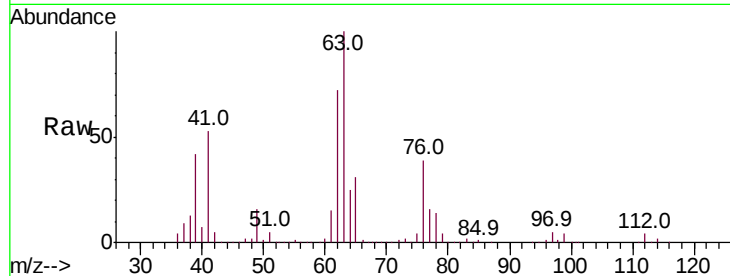
65 30.9 24.8 37.2

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#46

Dibromomethane

Concen: 46.774 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

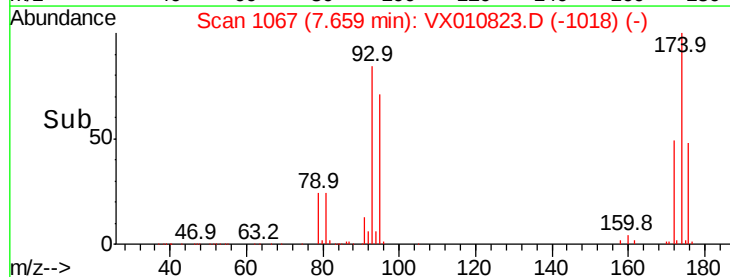
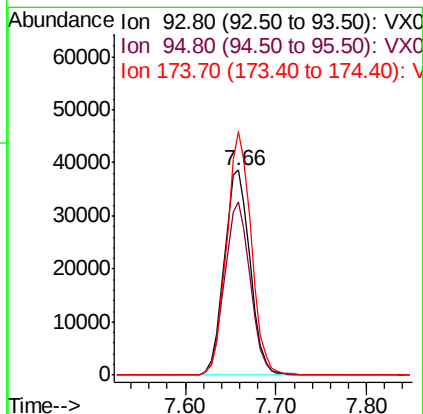
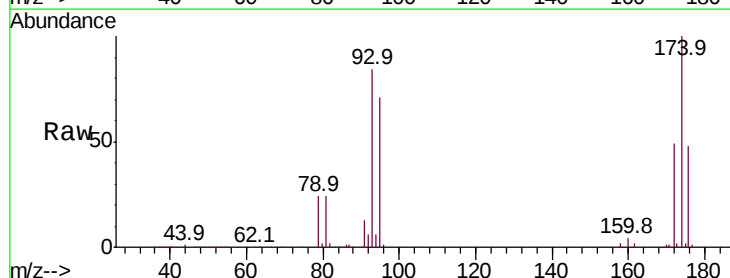
Tgt Ion: 93 Resp: 77110

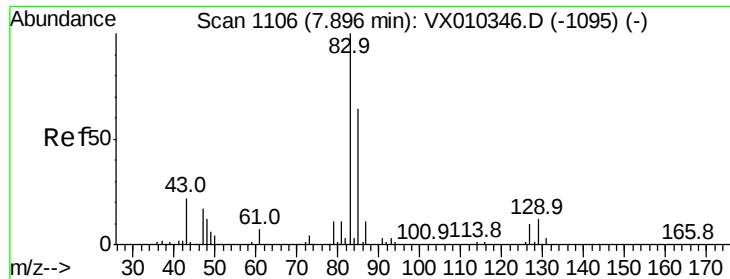
Ion Ratio Lower Upper

93 100

95 83.7 67.5 101.3

174 113.5 95.8 143.6





#47

Bromodichloromethane

Concen: 46.652 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

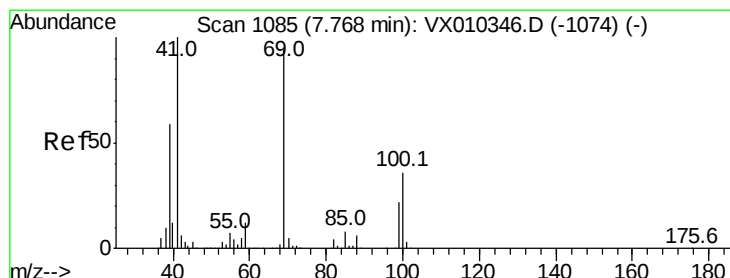
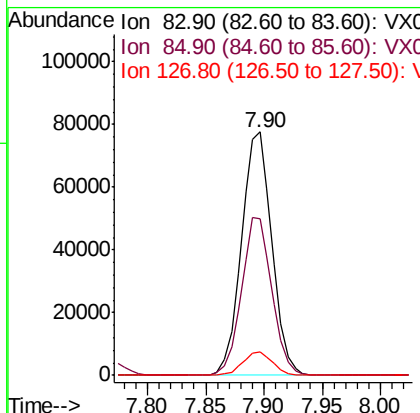
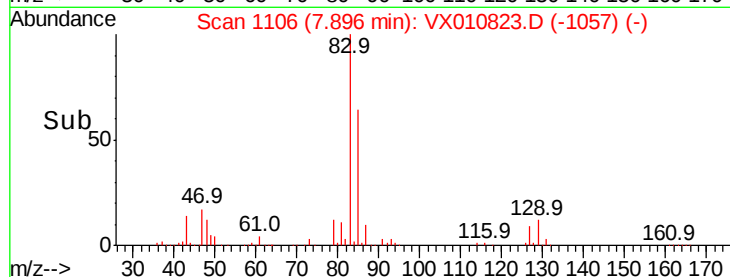
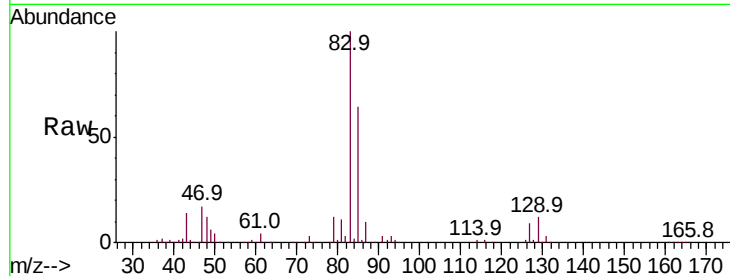
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	140944
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.5	77.3
127	9.4	7.8	11.8

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#48

Methyl methacrylate

Concen: 47.844 ug/l

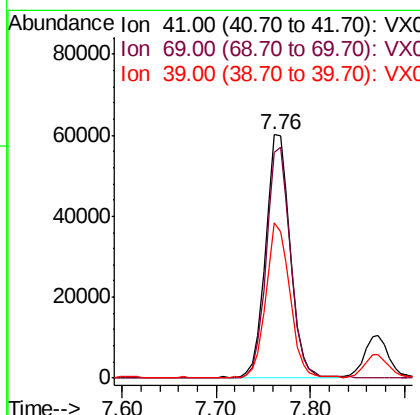
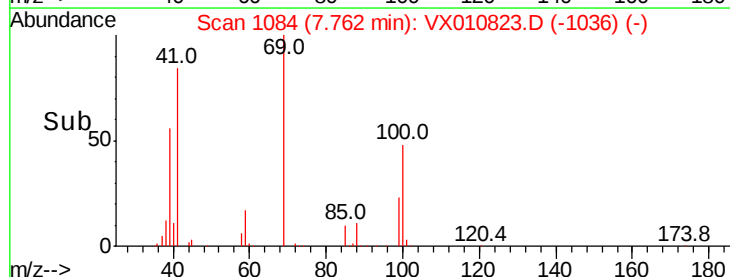
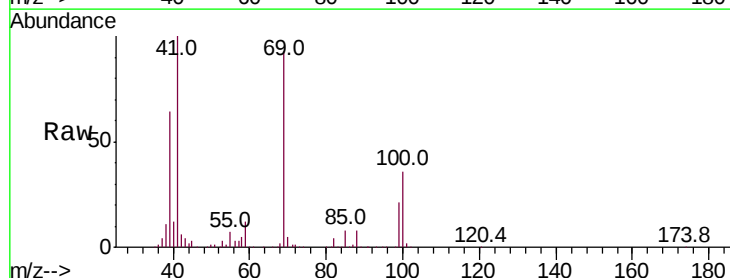
RT: 7.76 min Scan# 1084

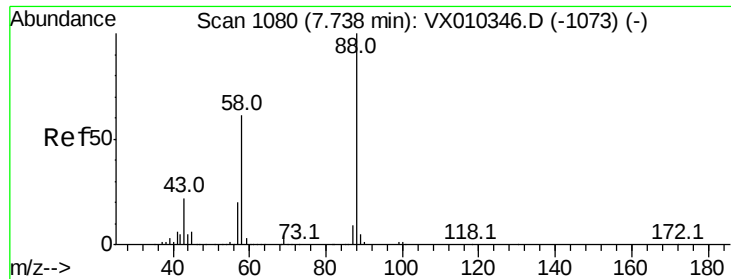
Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion:	41	Resp:	110546
Ion Ratio	Lower	Upper	
41	100		
69	93.3	76.1	114.1
39	61.9	47.6	71.4





#49

1,4-Dioxane

Concen: 865.801 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

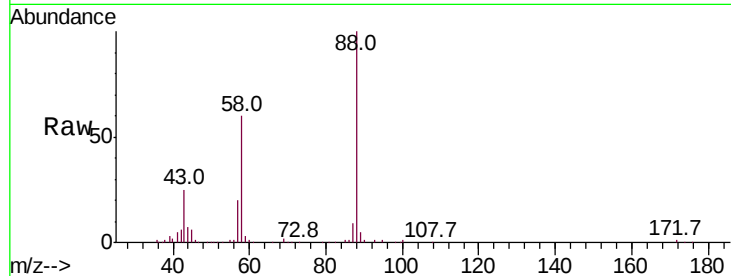
ClientSampleId :

VSTDCCC050

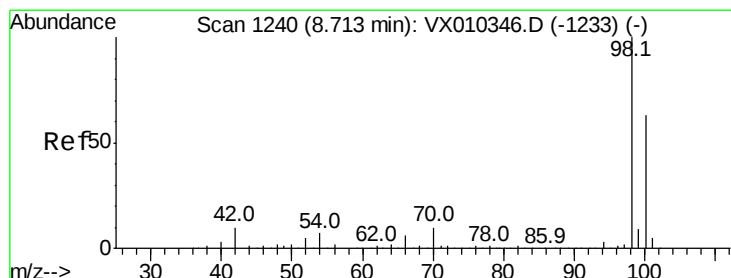
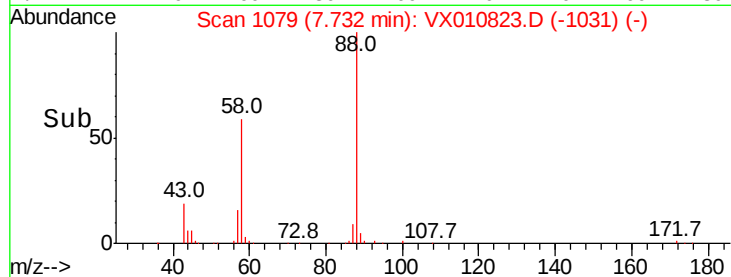
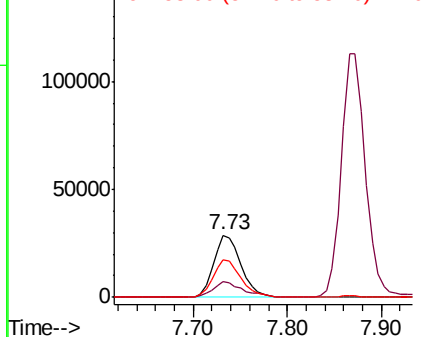
Tot Ion:	88	Resp:	57629
Ion	Ratio	Lower	Upper
88	100		
43	28.0	20.2	30.2
58	60.0	49.5	74.3

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 42.711 ug/l

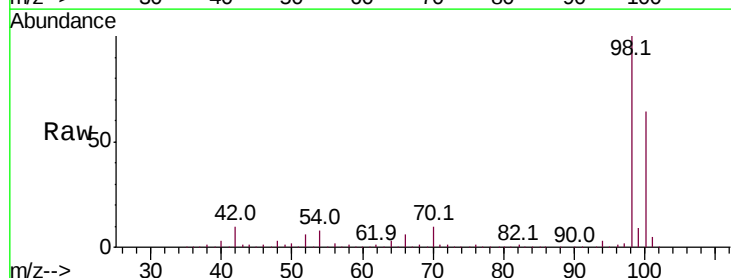
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

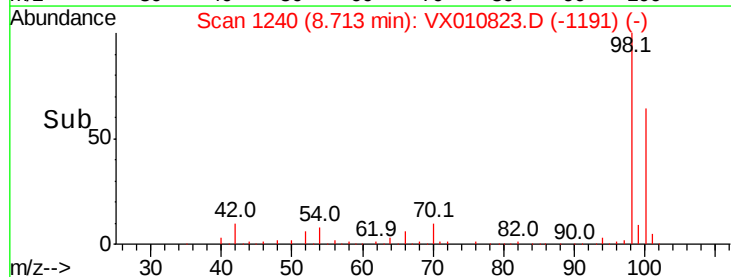
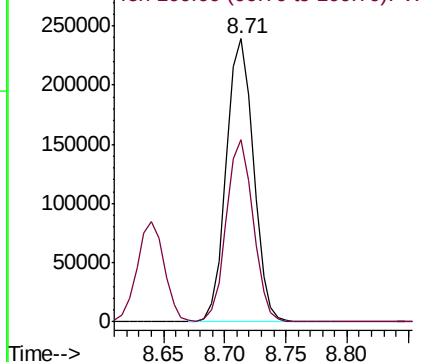
Lab File: VX010823.D

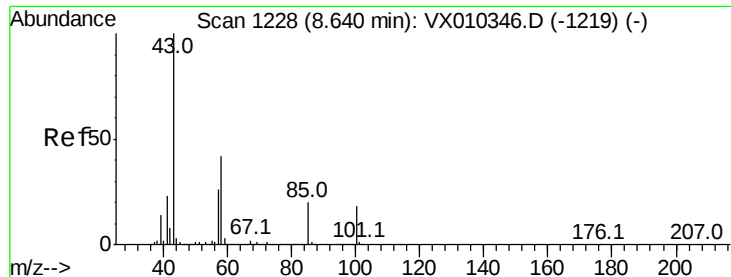
Acq: 12 Jul 2019 09:41

Tgt Ion:	98	Resp:	367440
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 239.562 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 761621

Ion Ratio Lower Upper

43 100

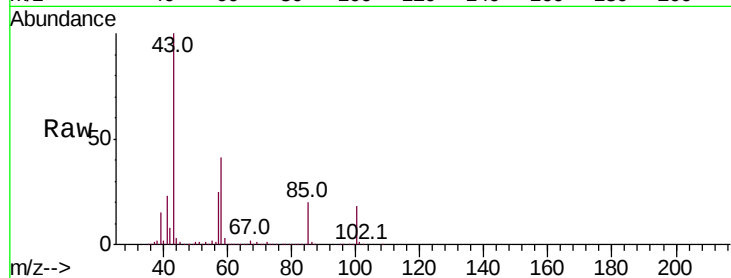
58 40.5 33.5 50.3

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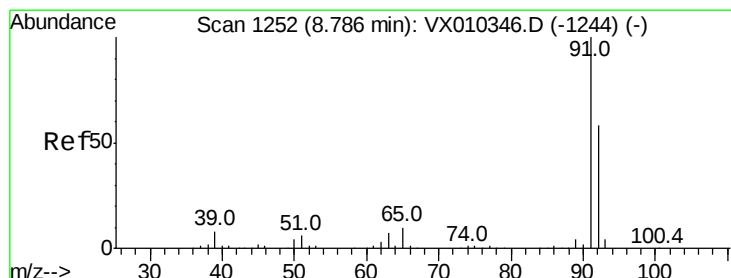
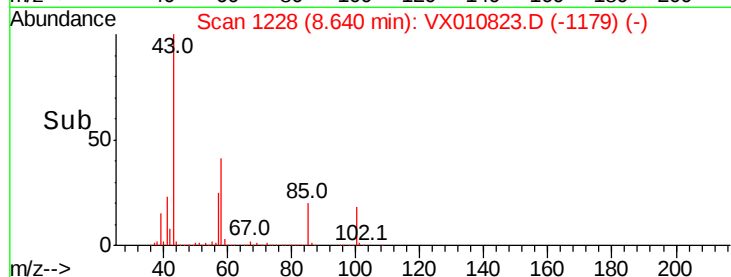
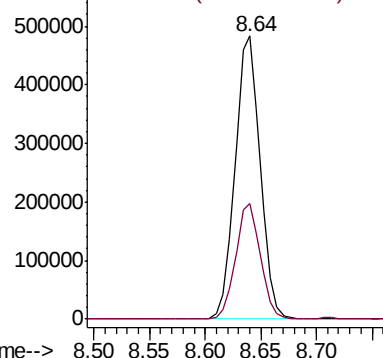
MMDadoda

7/15/2019 11:00:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.133 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010823.D

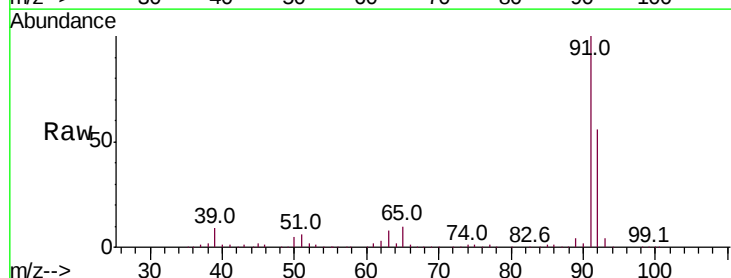
Acq: 12 Jul 2019 09:41

Tgt Ion: 92 Resp: 276427

Ion Ratio Lower Upper

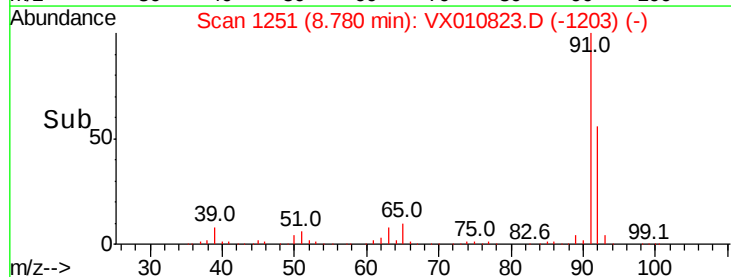
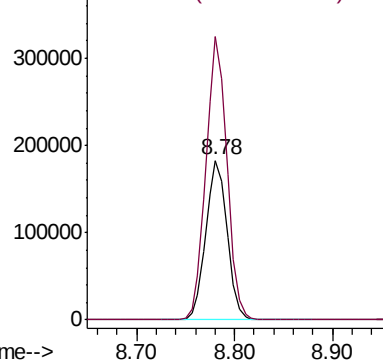
92 100

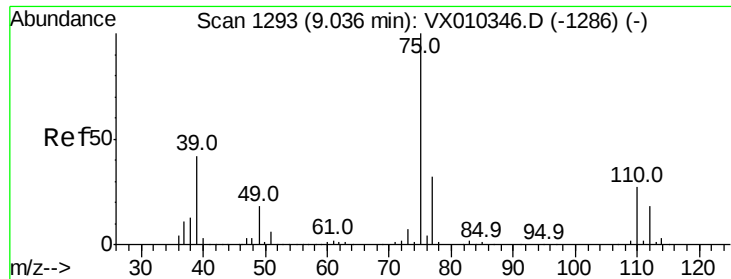
91 175.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





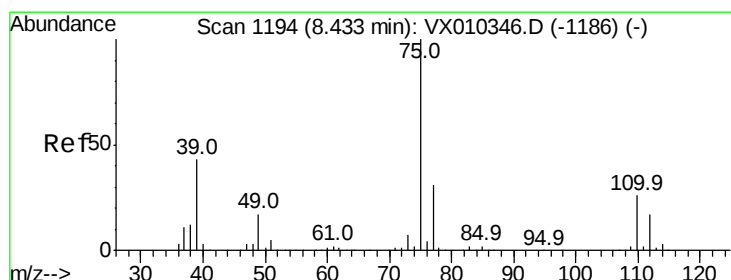
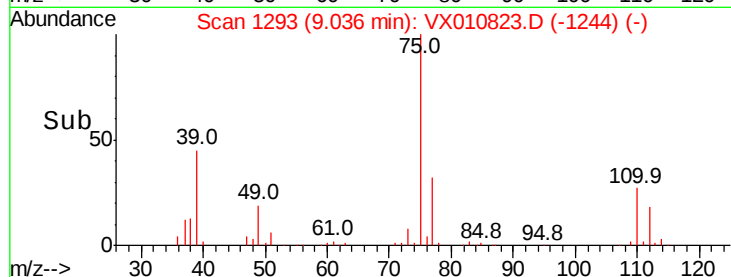
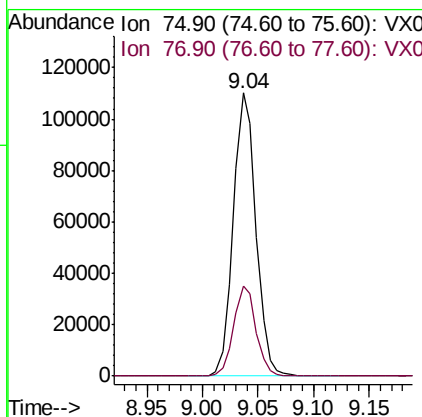
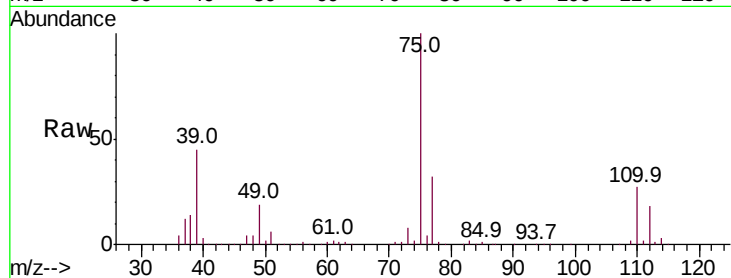
#53
t-1,3-Dichloropropene
Concen: 45.753 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 154975
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

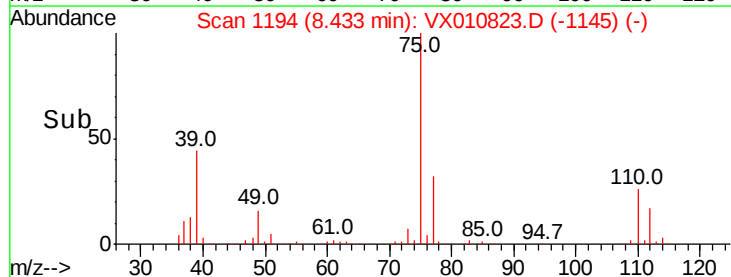
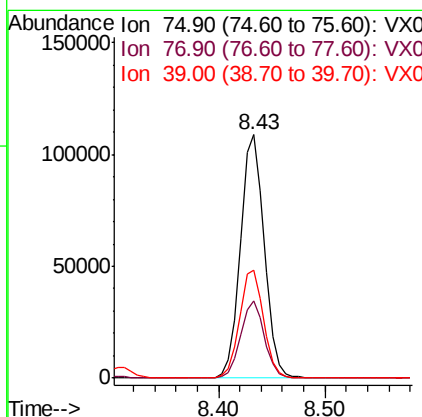
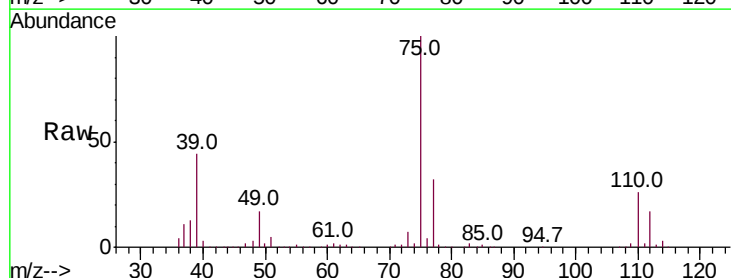
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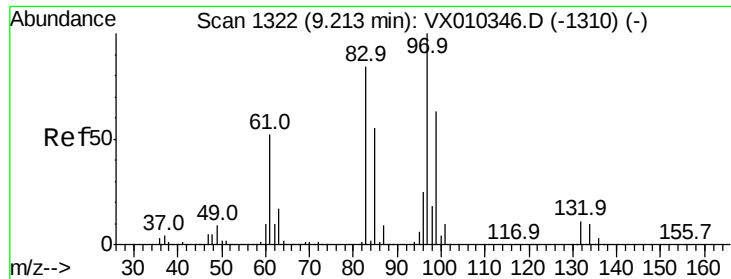
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.612 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 75 Resp: 171573
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 44.1 34.5 51.7





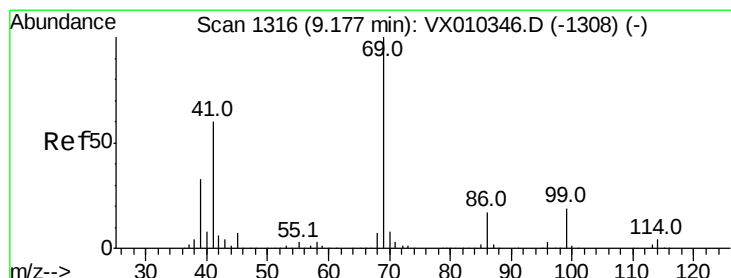
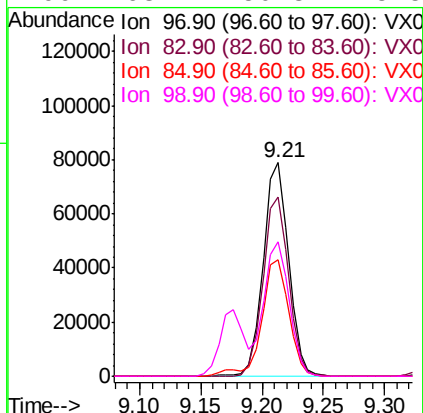
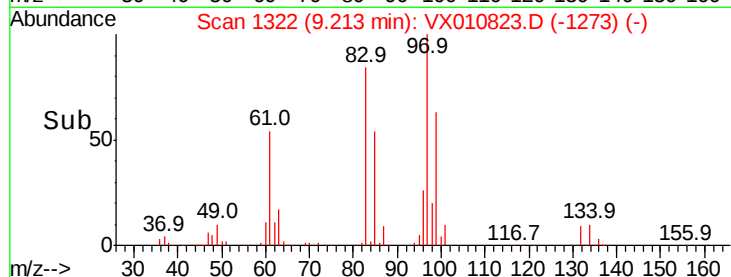
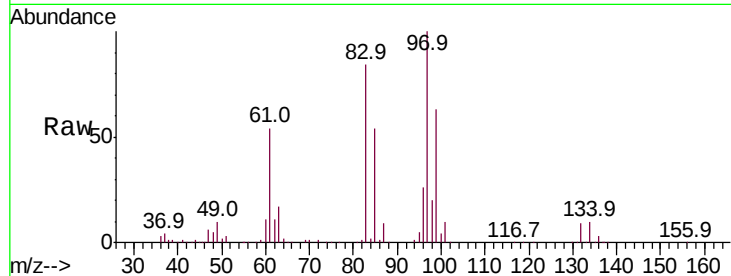
#55
1,1,2-Trichloroethane
Concen: 46.482 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.4	101.0
85	54.5	43.8	65.8
99	63.2	50.3	75.5

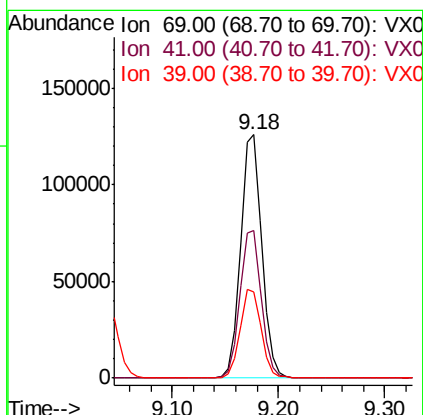
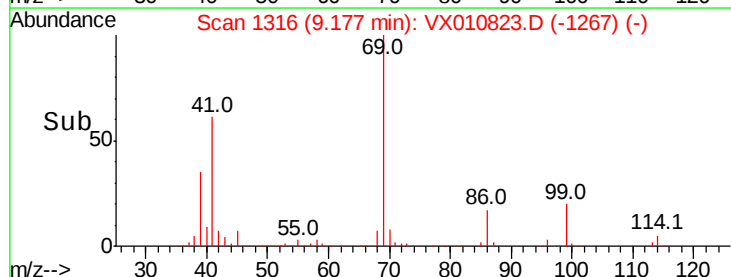
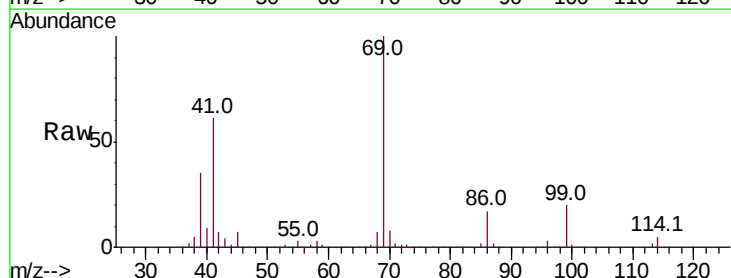
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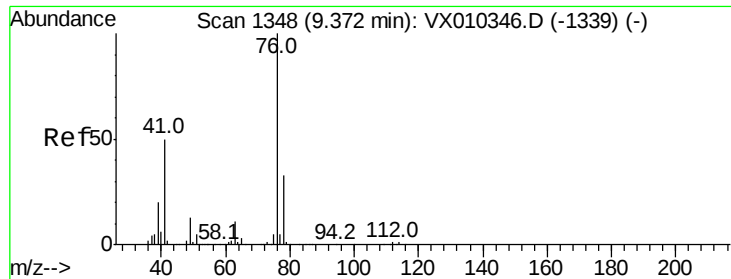
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#56
Ethyl methacrylate
Concen: 47.083 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.9	47.1	70.7
39	36.2	26.6	40.0





#57

1,3-Dichloropropane

Concen: 47.294 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 181422

Ion Ratio Lower Upper

76 100

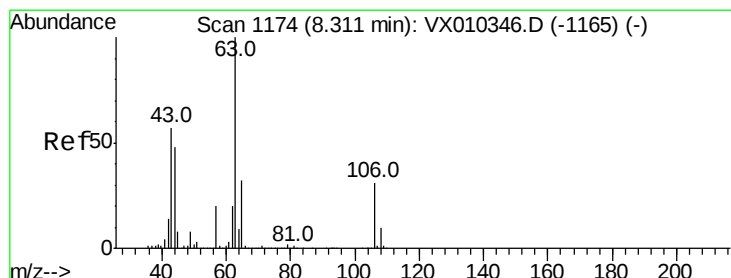
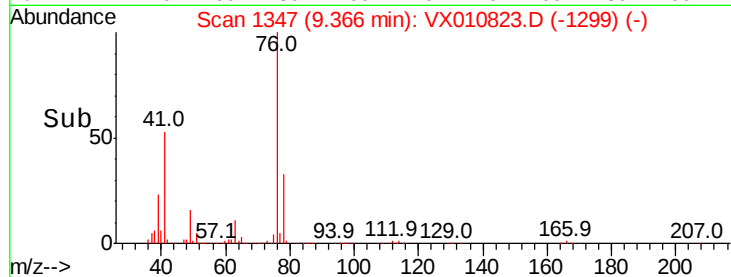
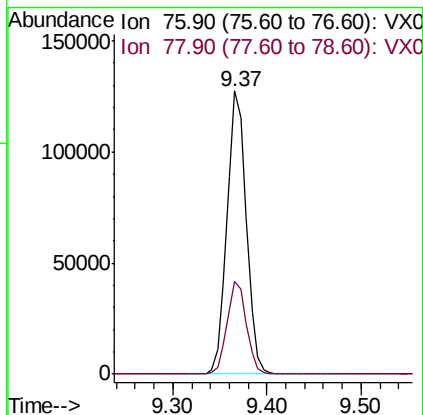
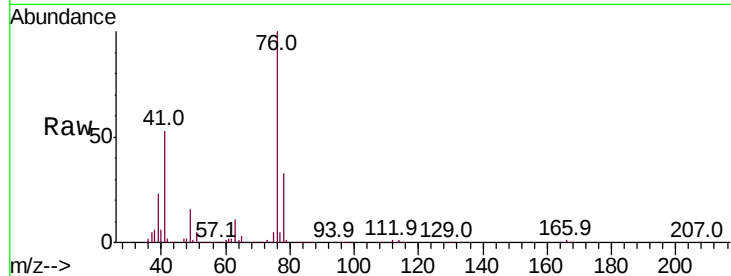
78 32.7 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 212.468 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010823.D

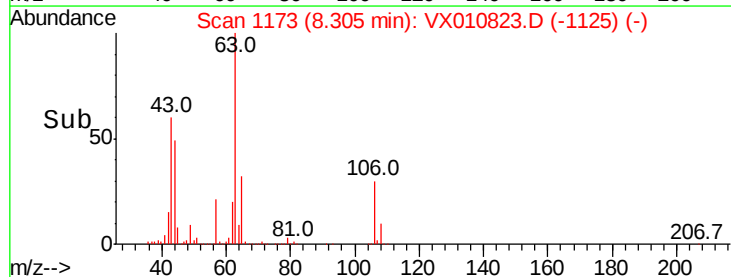
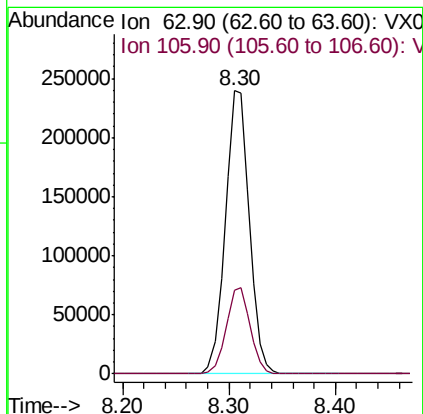
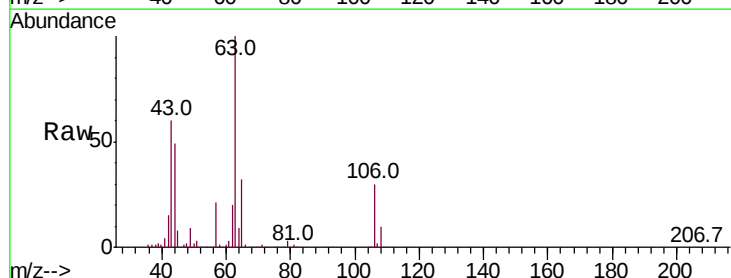
Acq: 12 Jul 2019 09:41

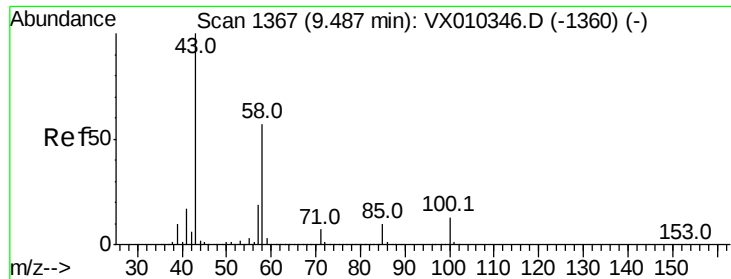
Tgt Ion: 63 Resp: 377749

Ion Ratio Lower Upper

63 100

106 30.4 24.7 37.1





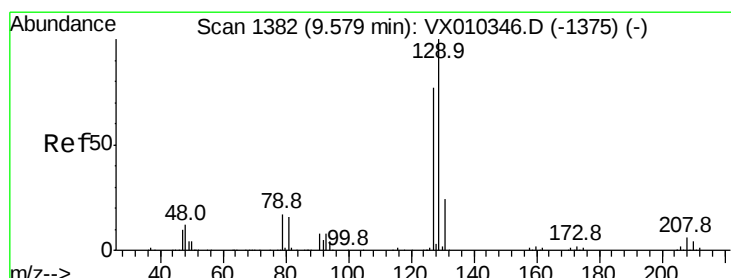
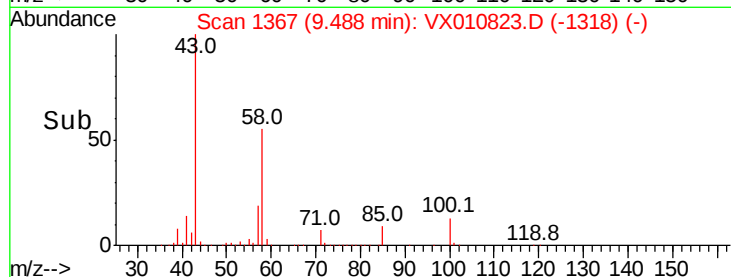
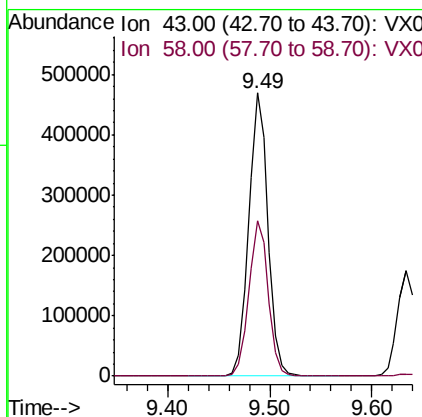
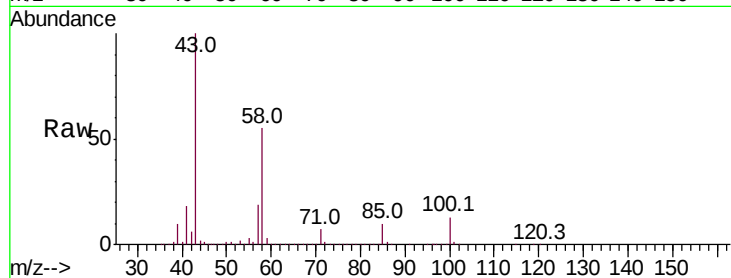
#59
2-Hexanone
Concen: 245.735 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 614869
Ion Ratio Lower Upper
43 100
58 55.5 29.0 87.1

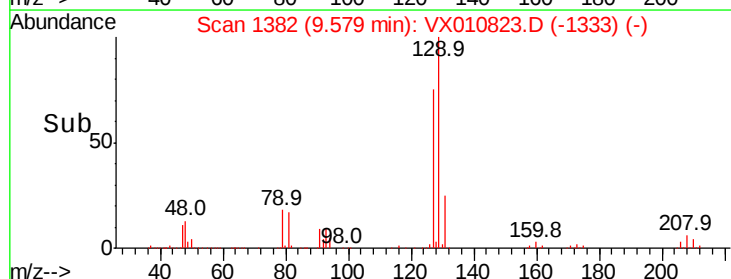
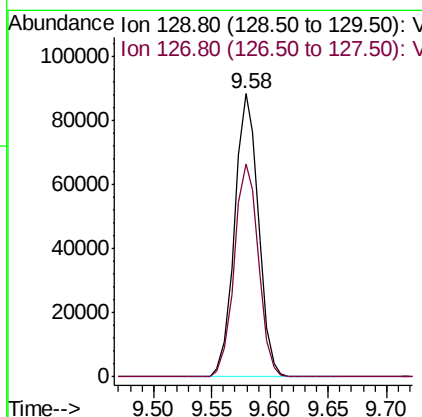
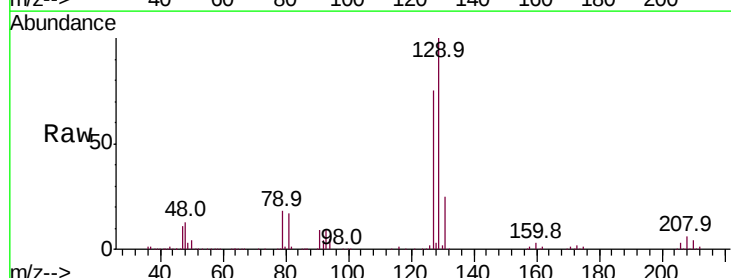
Manual Integrations
APPROVED

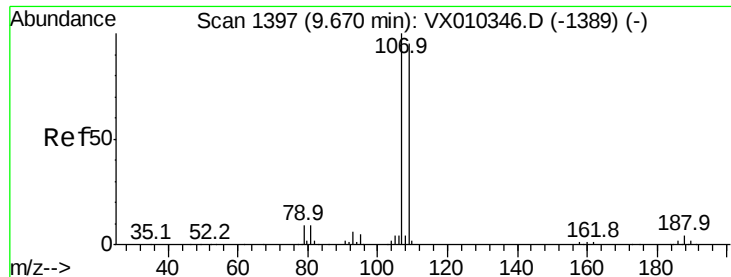
MMDadoda
7/15/2019 11:00:16 AM



#60
Dibromochloromethane
Concen: 45.662 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 129 Resp: 126344
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.389 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 123738

Ion Ratio Lower Upper

107 100

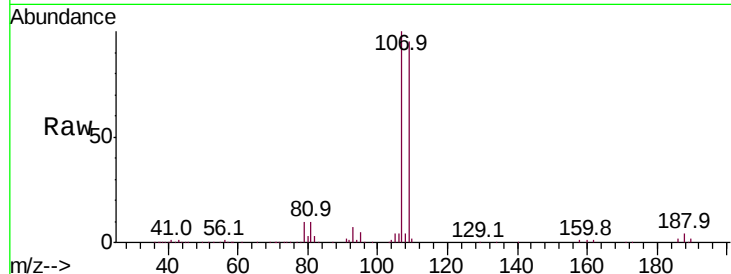
109 94.8 75.8 113.6

Manual Integrations

APPROVED

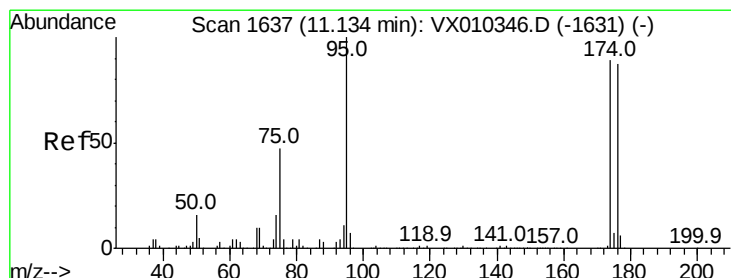
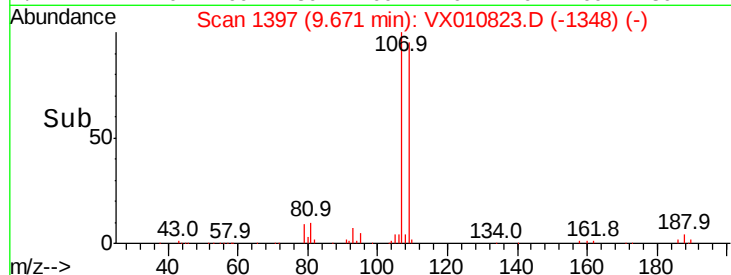
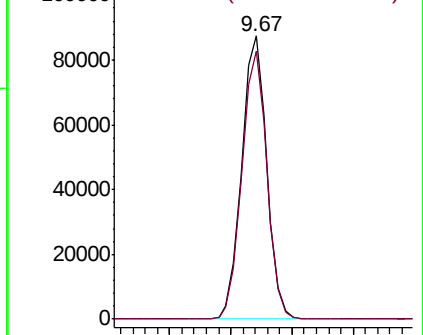
MMDadoda

7/15/2019 11:00:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.209 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

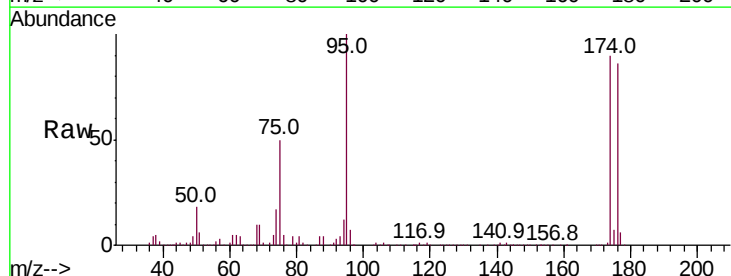
Tgt Ion: 95 Resp: 140413

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

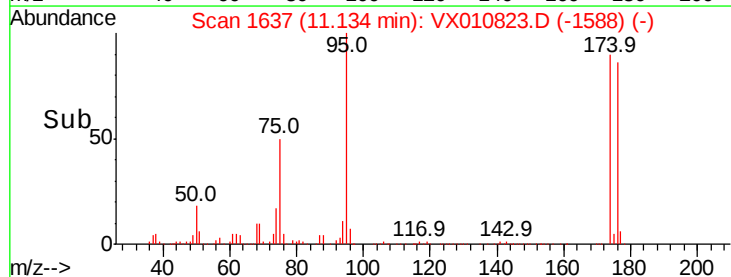
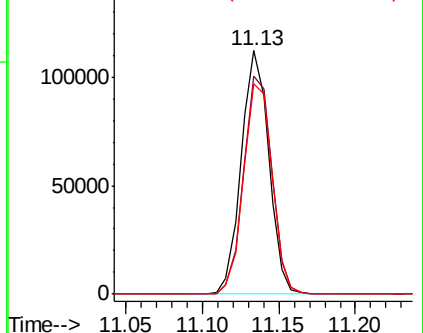
176 89.8 0.0 184.0

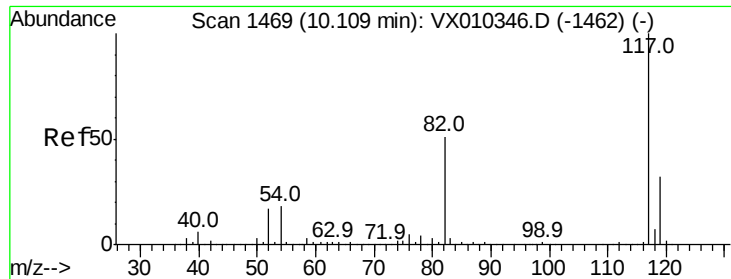


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





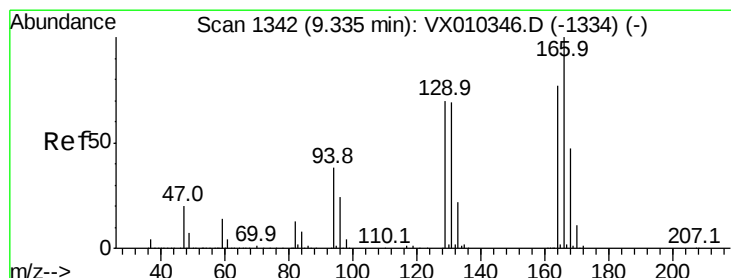
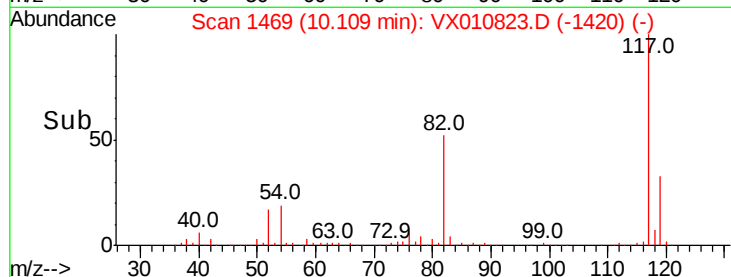
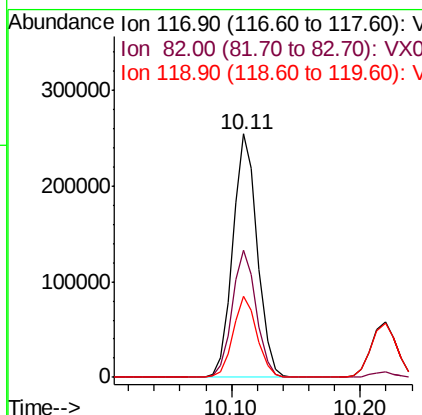
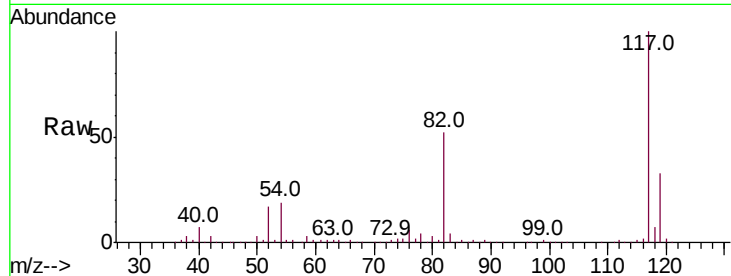
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.2	61.8
119	33.2	25.5	38.3

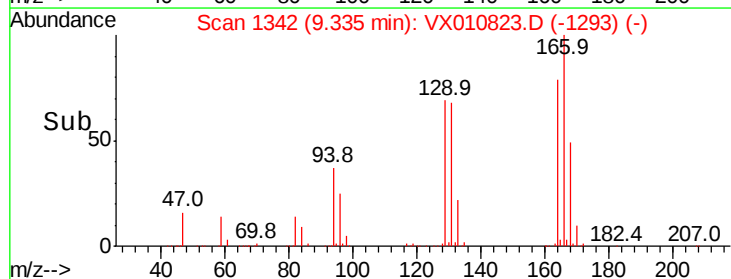
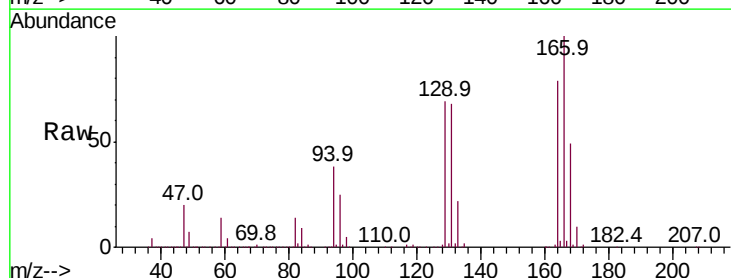
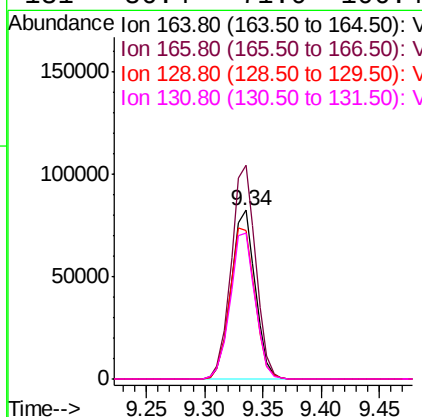
Manual Integrations
APPROVED

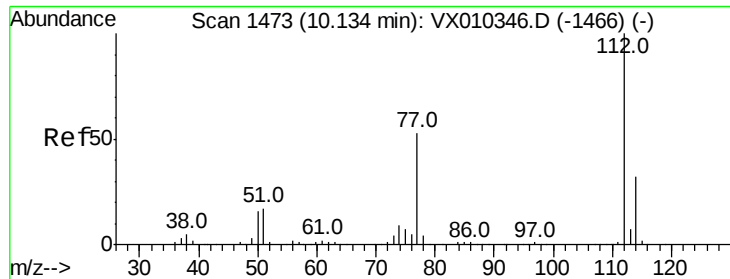
MMDadoda
7/15/2019 11:00:16 AM



#64
Tetrachloroethene
Concen: 43.790 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.6	155.4
129	88.1	73.0	109.4
131	86.4	71.0	106.4





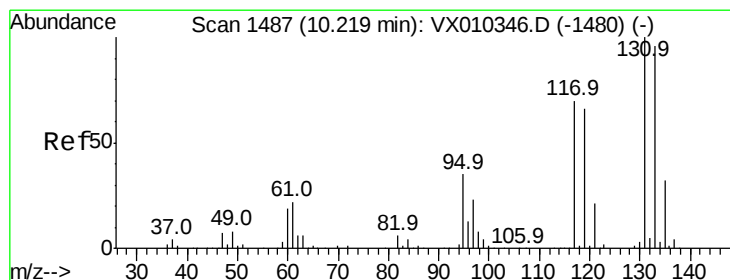
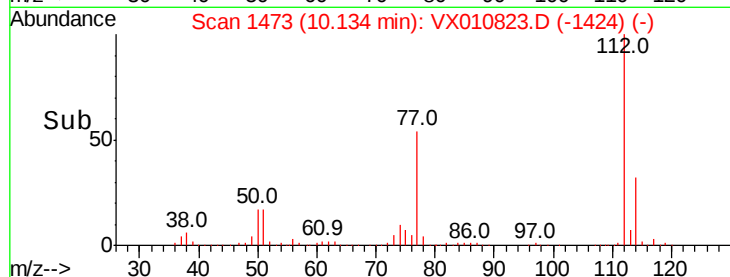
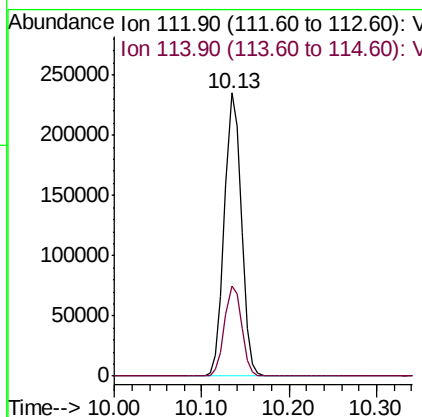
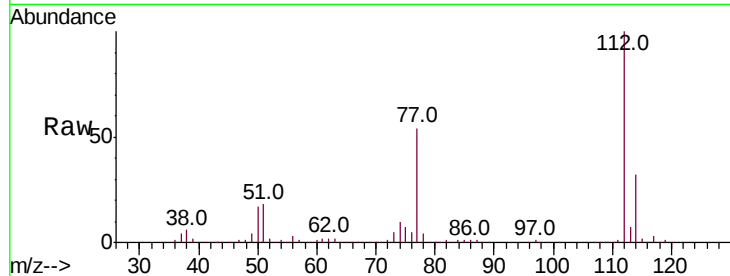
#65
Chlorobenzene
Concen: 46.198 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 316142
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

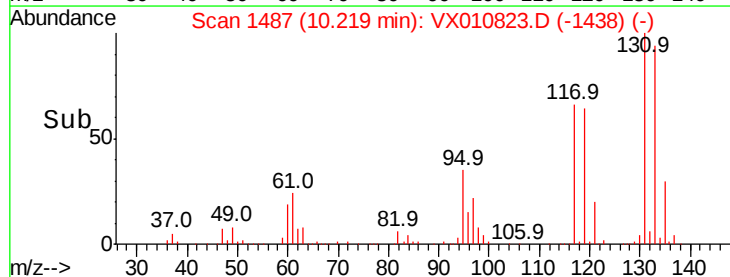
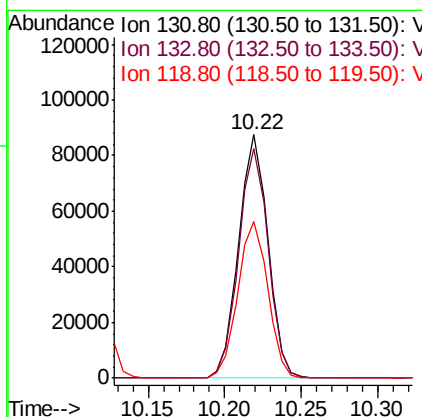
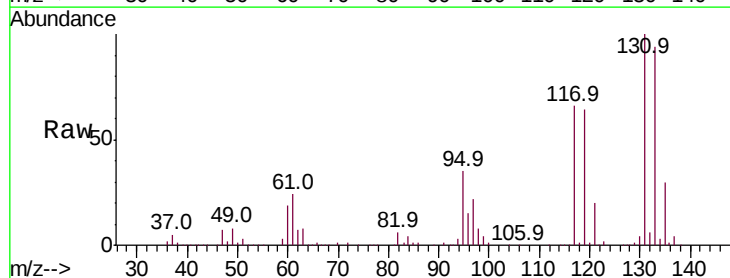
Manual Integrations
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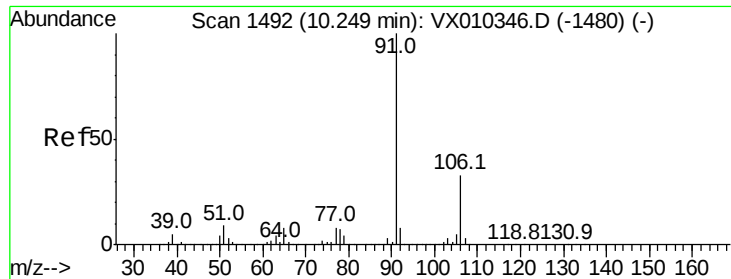
MMDadoda
7/15/2019 11:00:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.721 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion:131 Resp: 116461
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.1 32.6 97.7





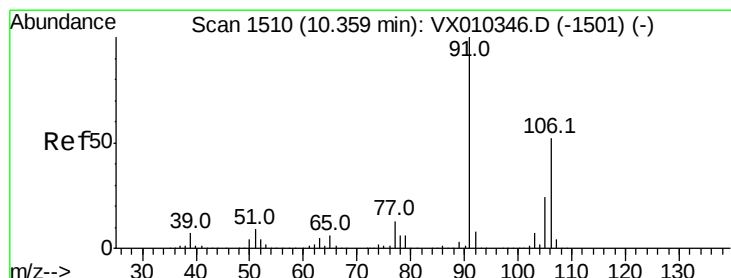
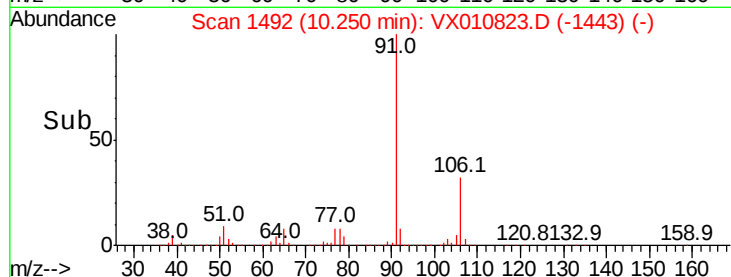
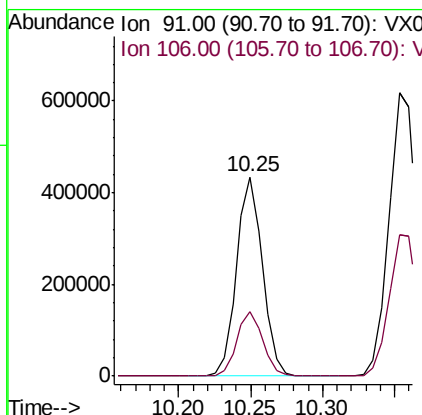
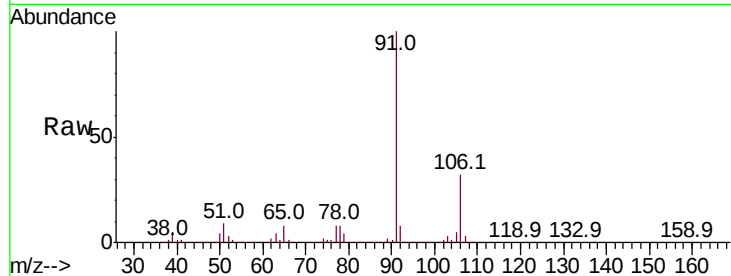
#67
Ethyl Benzene
Concen: 47.208 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 545389
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.2

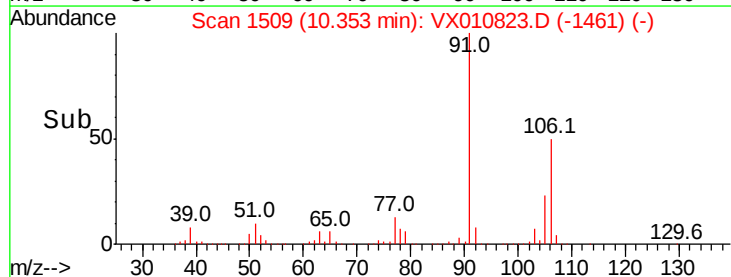
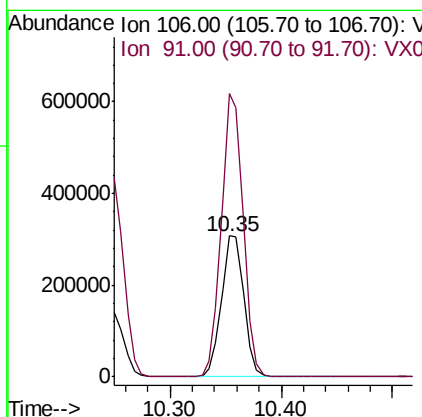
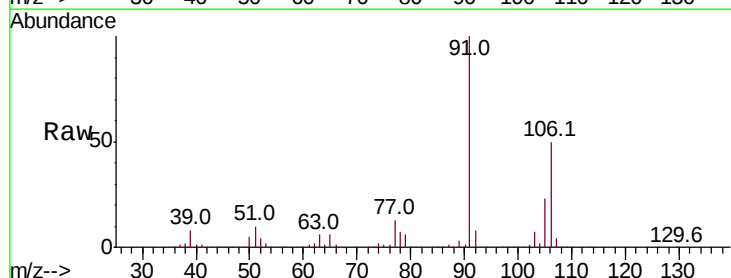
Manual Integrations
APPROVED

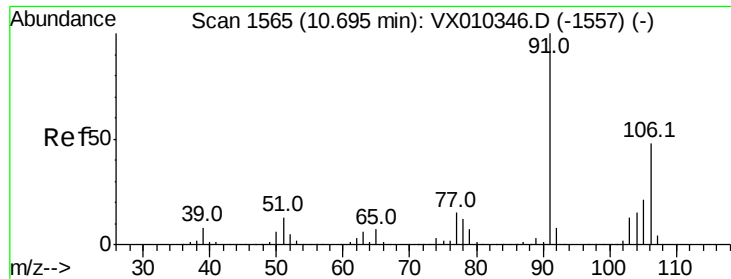
MMDadoda
7/15/2019 11:00:16 AM



#68
m/p-Xylenes
Concen: 95.347 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 106 Resp: 426819
Ion Ratio Lower Upper
106 100
91 195.8 155.3 232.9





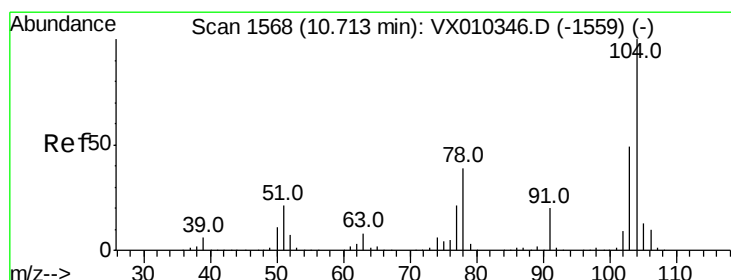
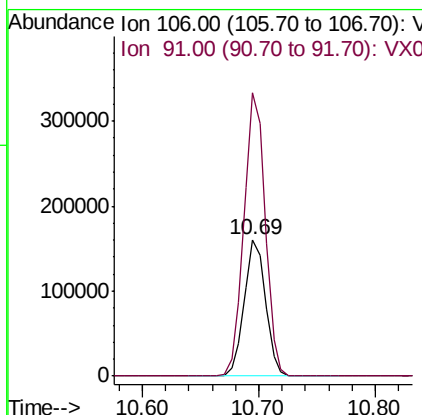
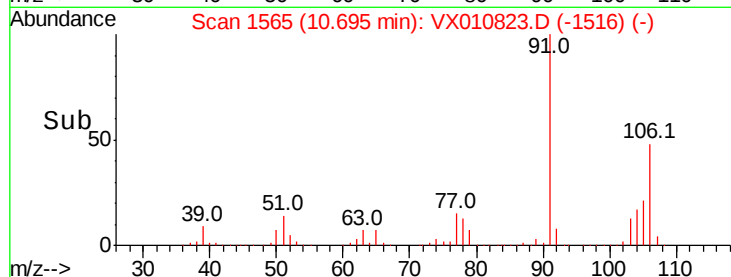
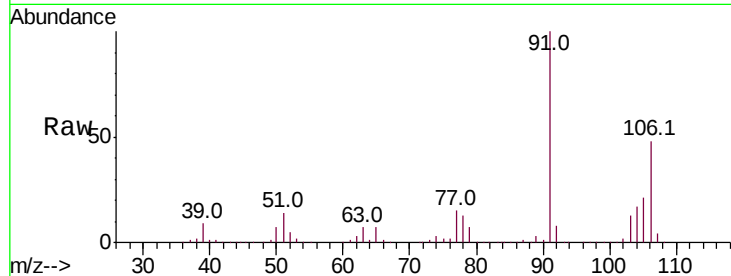
#69
o-Xylene
Concen: 46.974 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.3	102.7	308.1

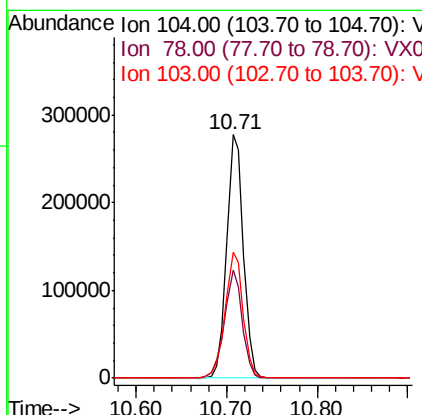
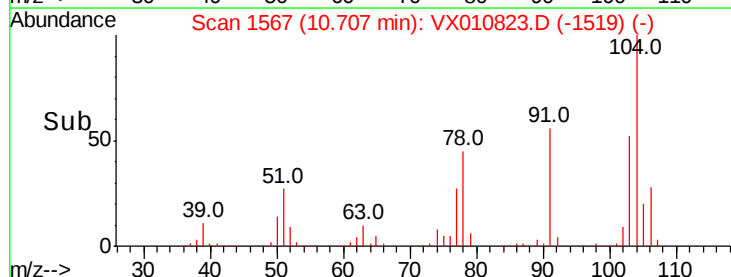
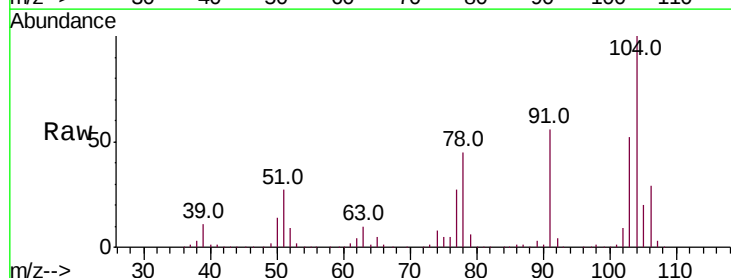
Manual Integrations
APPROVED

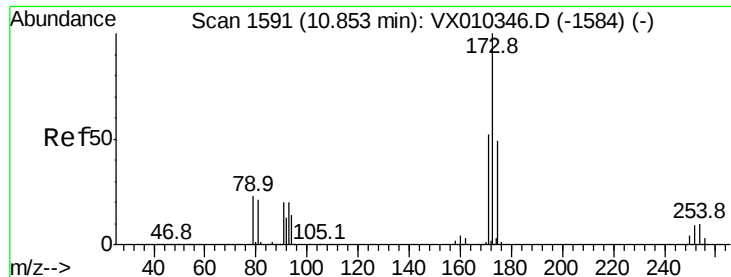
MMDadoda
7/15/2019 11:00:16 AM



#70
Styrene
Concen: 47.940 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	36.2	54.2
103	55.5	44.2	66.4





#71

Bromoform

Concen: 44.800 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 97112

Ion Ratio Lower Upper

173 100

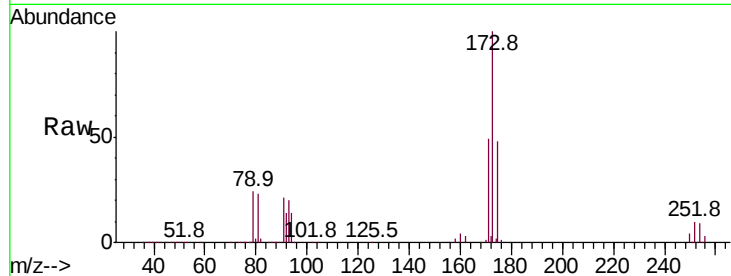
175 48.1 24.1 72.3

254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda

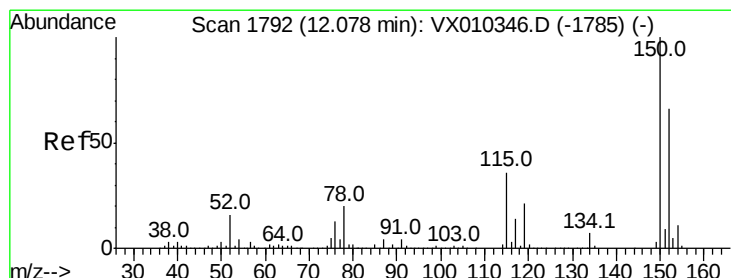
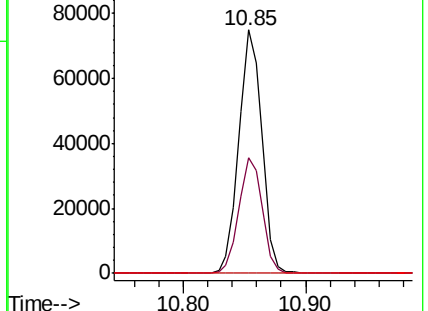
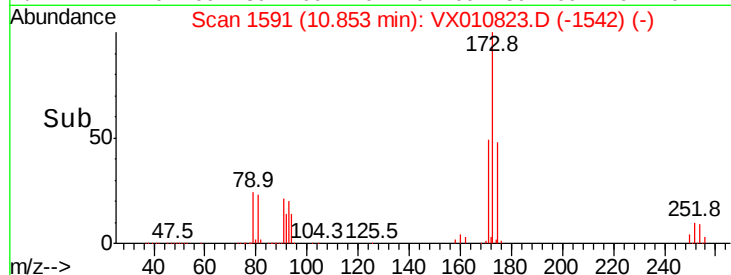
7/15/2019 11:00:16 AM



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: VX010823.D

Acq: 12 Jul 2019 09:41

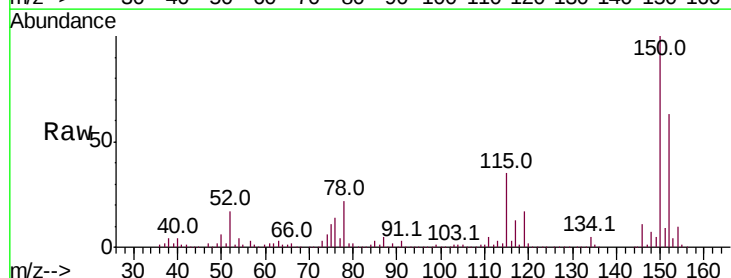
Tgt Ion:152 Resp: 180711

Ion Ratio Lower Upper

152 100

115 78.0 38.6 115.7

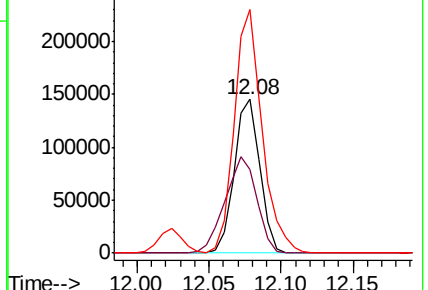
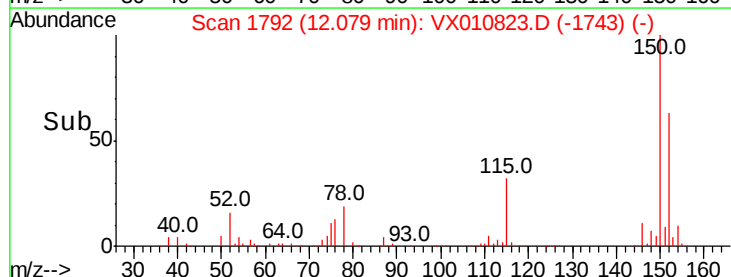
150 171.7 0.0 347.4

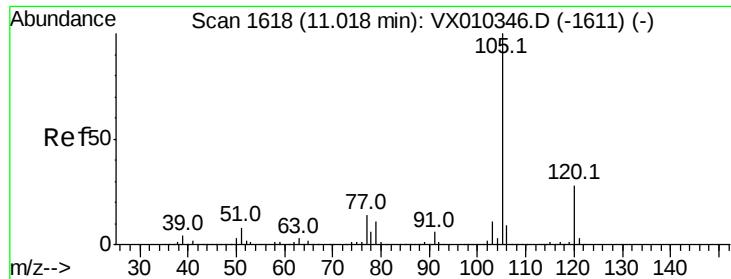


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.454 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 556813

Ion Ratio Lower Upper

105 100

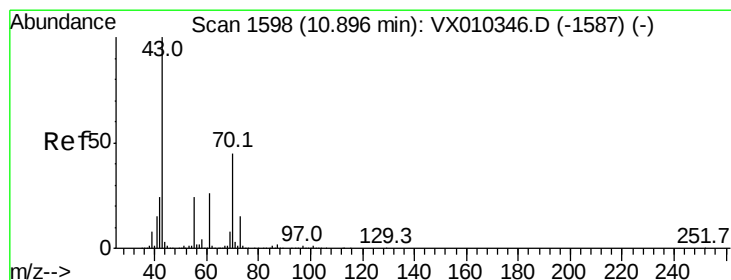
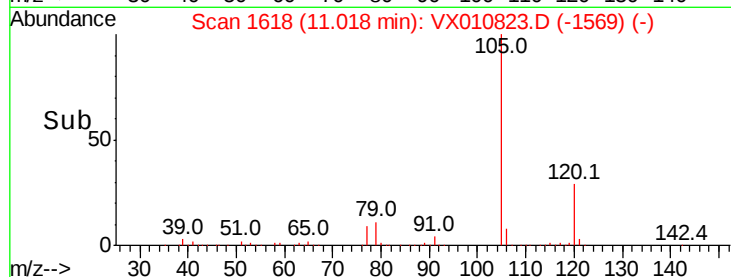
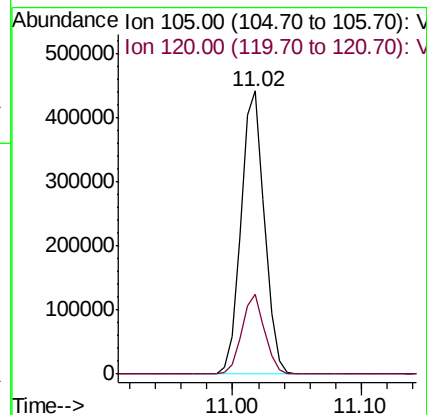
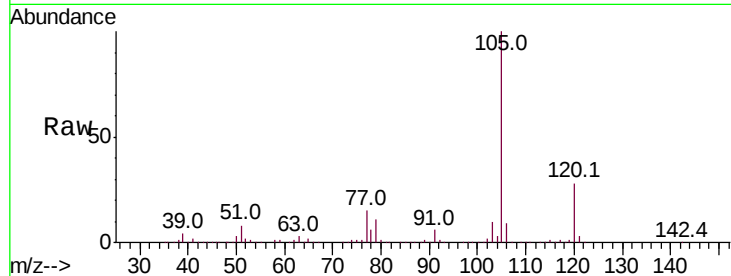
120 27.4 14.1 42.4

Manual Integrations

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MMDadoda

7/15/2019 11:00:16 AM



#74

N-ethyl acetate

Concen: 47.335 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion: 43 Resp: 219140

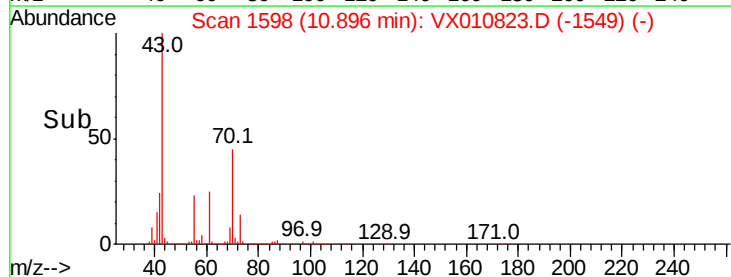
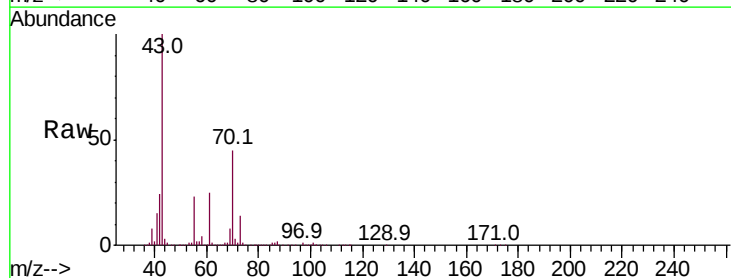
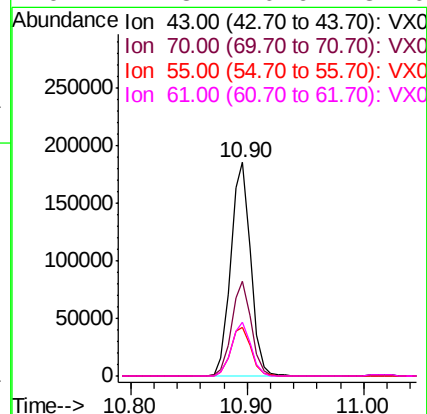
Ion Ratio Lower Upper

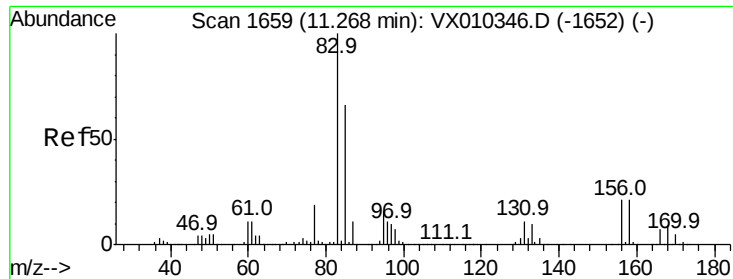
43 100

70 44.0 36.6 54.8

55 23.8 18.7 28.1

61 24.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.744 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 181519

Ion Ratio Lower Upper

83 100

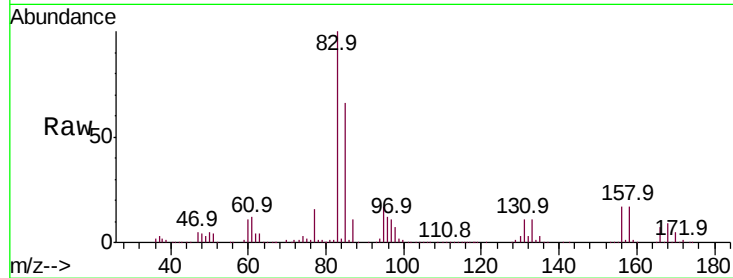
131 10.8 5.5 16.4

85 64.8 32.3 96.8

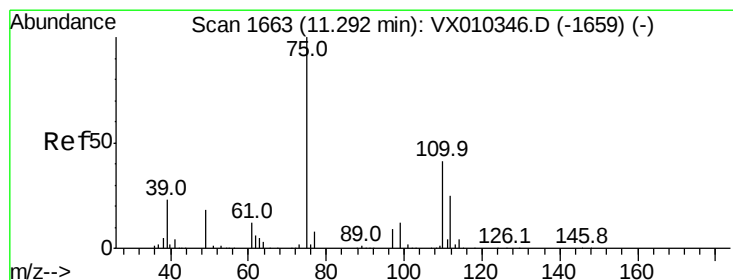
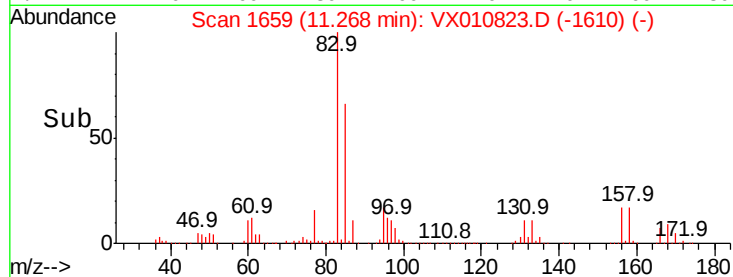
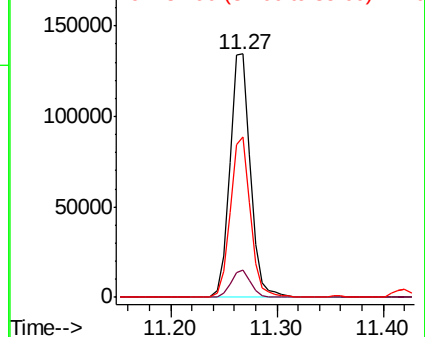
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.017 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010823.D

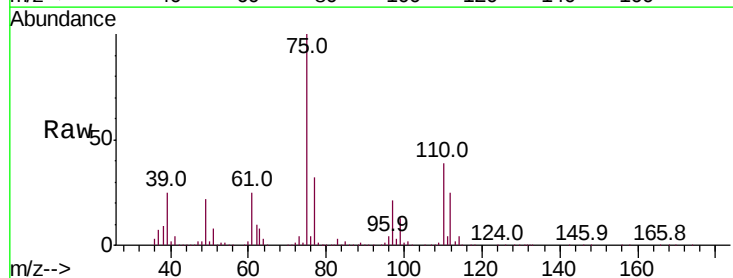
Acq: 12 Jul 2019 09:41

Tgt Ion: 75 Resp: 151536

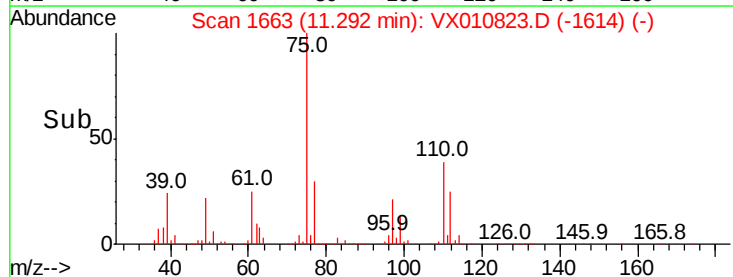
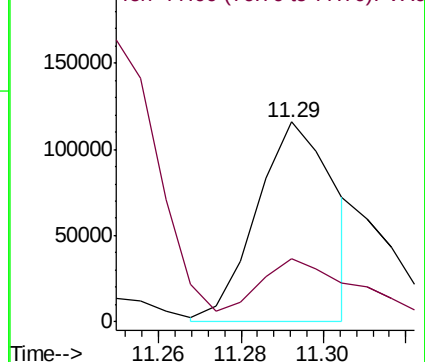
Ion Ratio Lower Upper

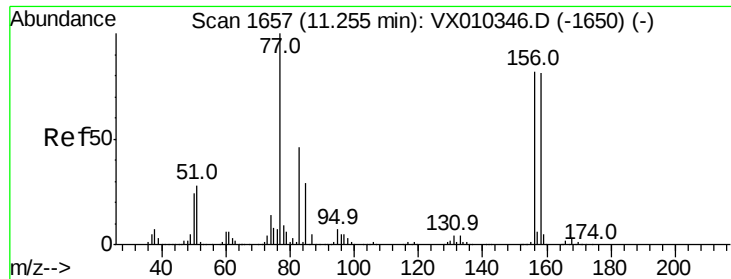
75 100

77 41.1 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.363 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

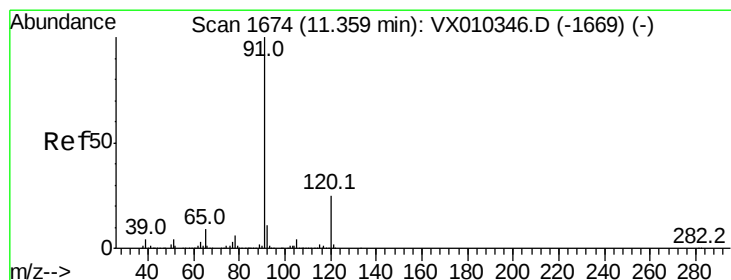
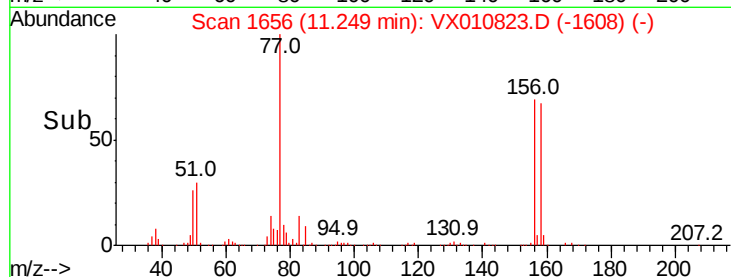
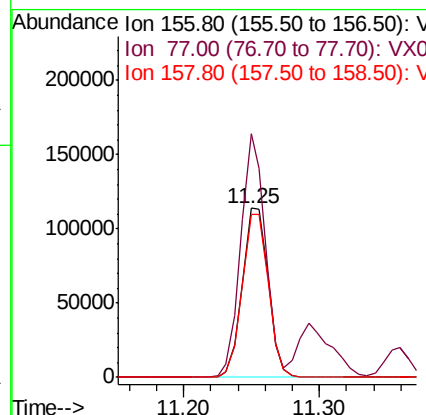
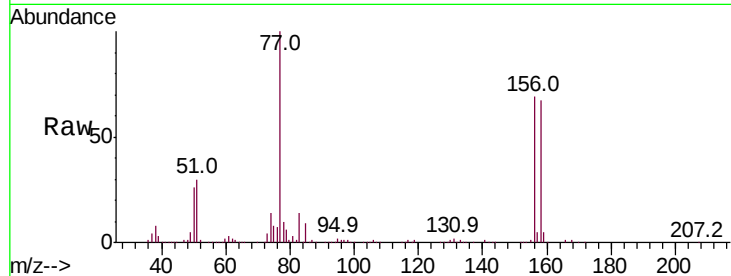
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	66.3	198.7
158	97.0	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 47.373 ug/l

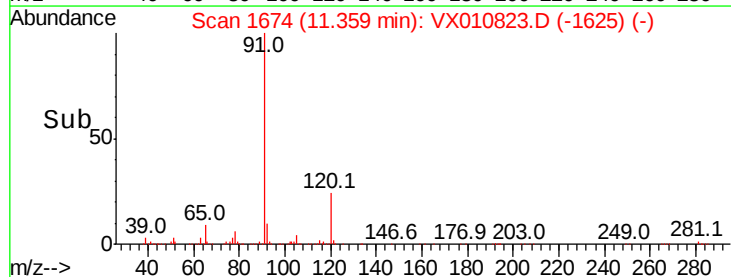
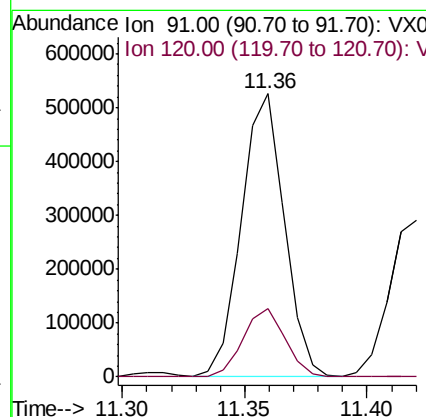
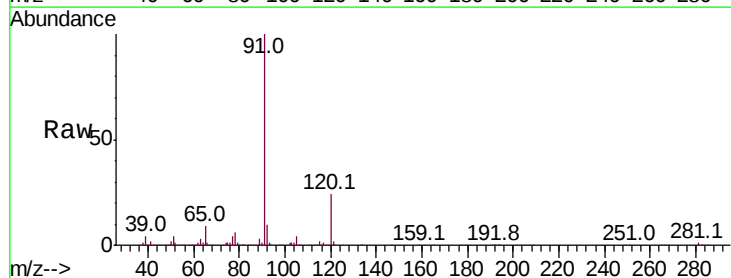
RT: 11.36 min Scan# 1674

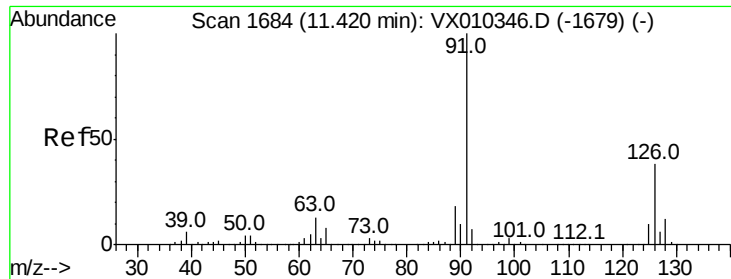
Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.4	37.4





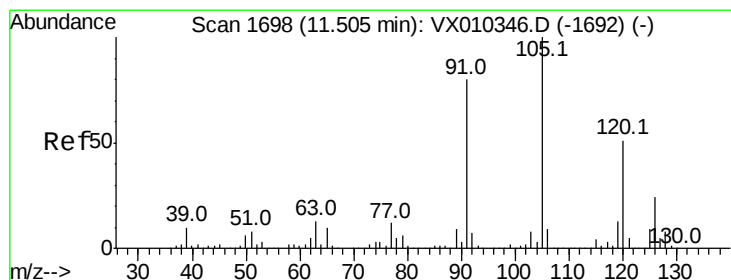
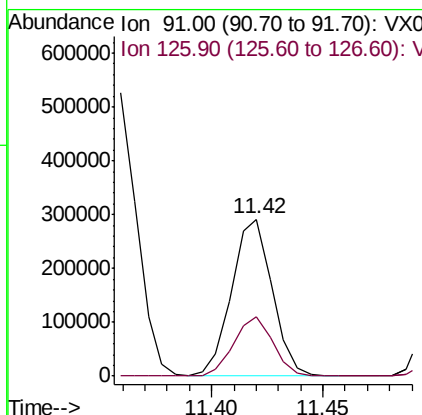
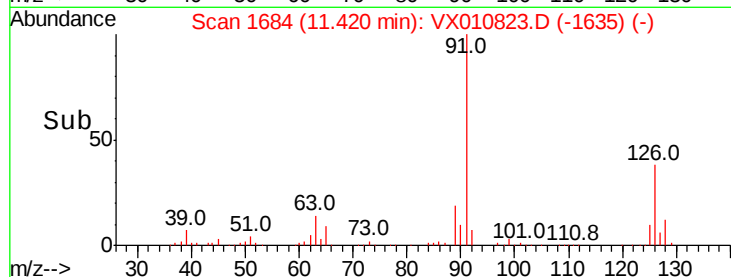
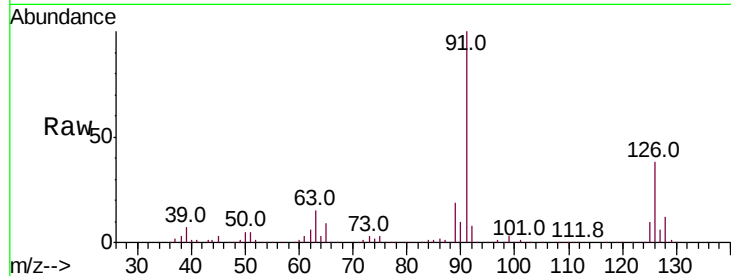
#79
2-Chlorotoluene
Concen: 45.934 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 368252
Ion Ratio Lower Upper
91 100
126 37.0 18.7 56.1

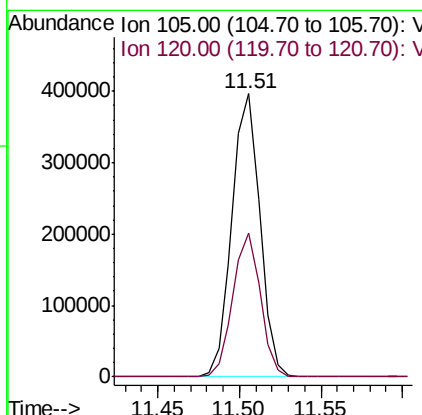
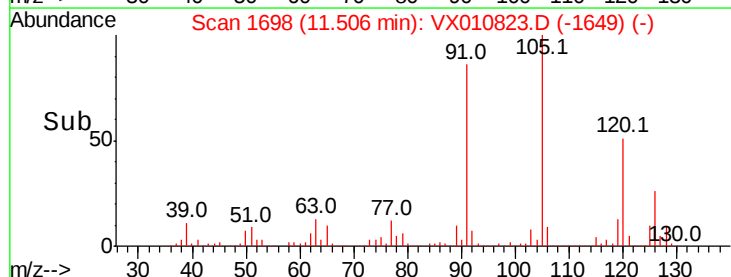
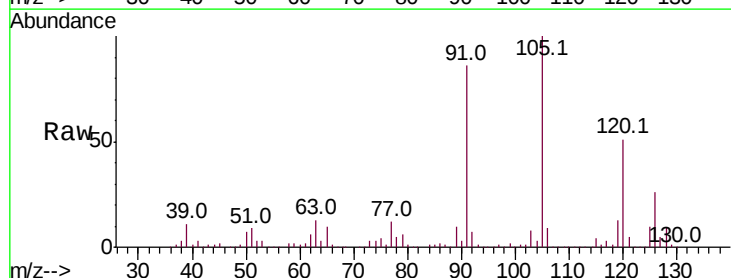
Manual Integrations
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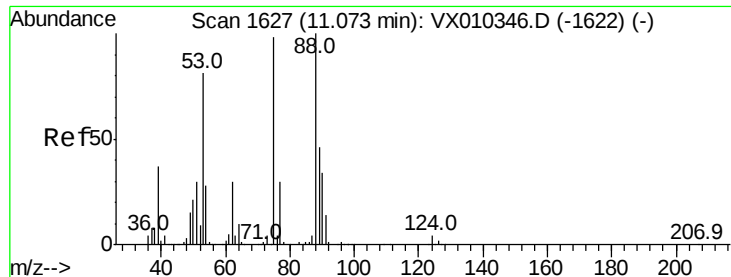
MMDadoda
7/15/2019 11:00:16 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.928 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 105 Resp: 473911
Ion Ratio Lower Upper
105 100
120 49.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 39.191 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 55320

Ion Ratio Lower Upper

75 100

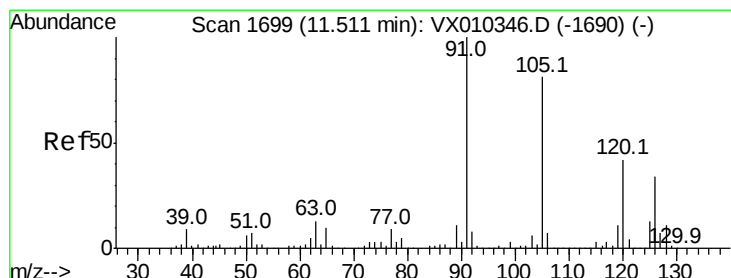
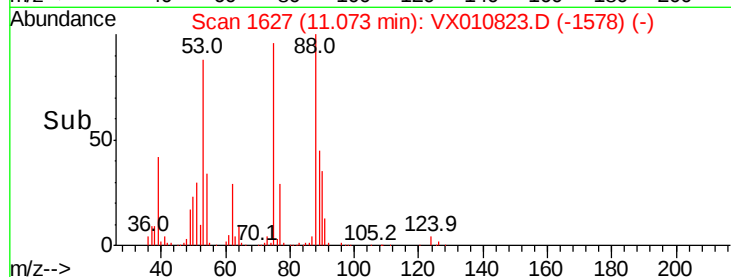
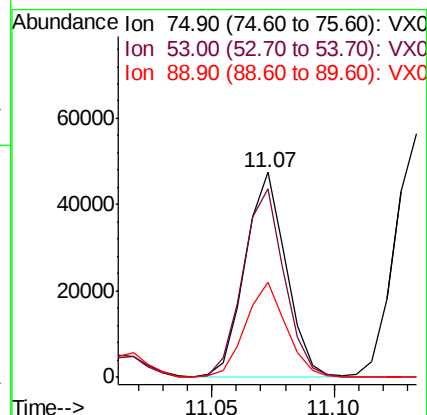
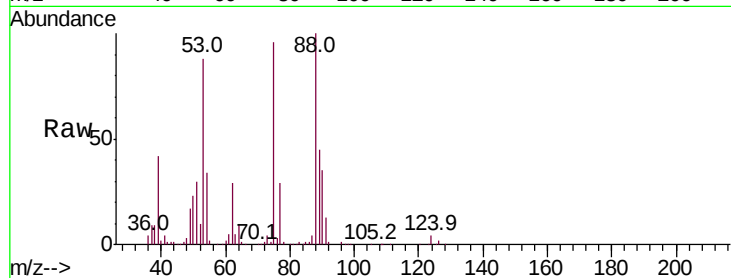
53 93.0 66.1 99.1

89 46.4 37.8 56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.528 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010823.D

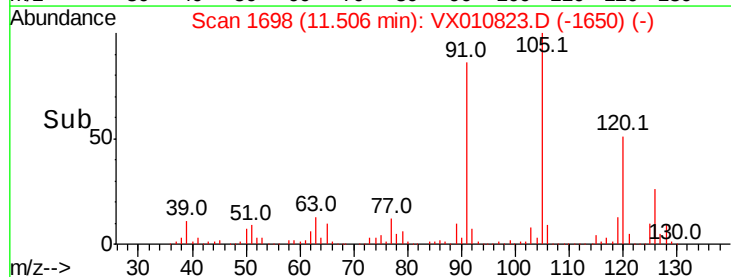
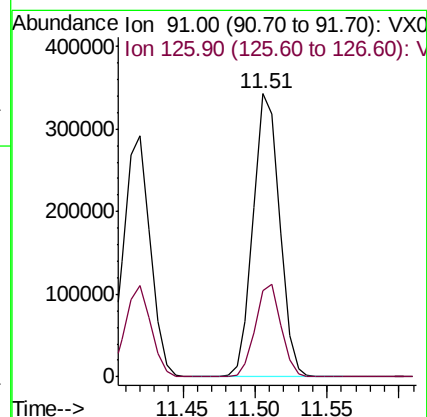
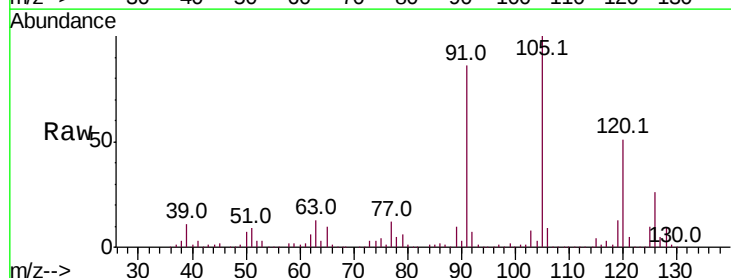
Acq: 12 Jul 2019 09:41

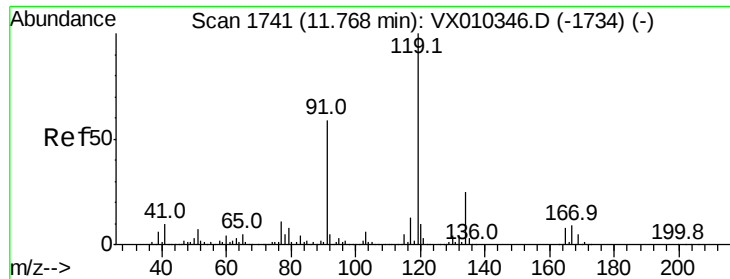
Tgt Ion: 91 Resp: 433579

Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.6





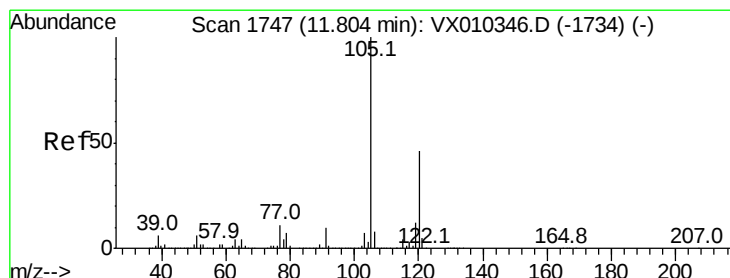
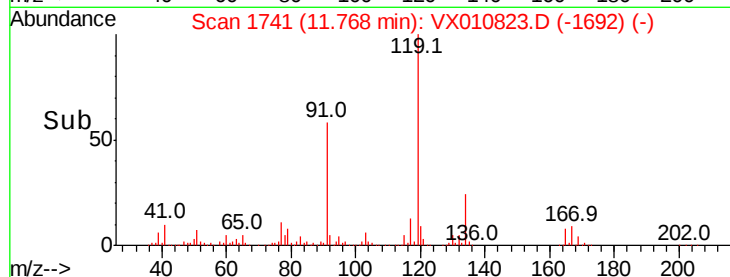
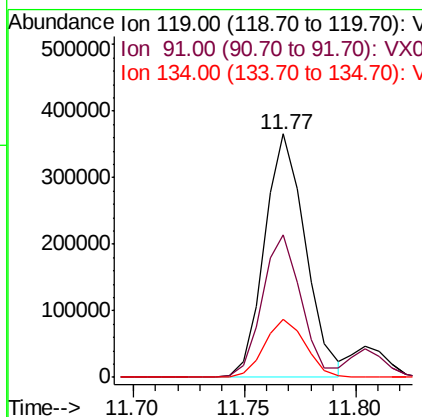
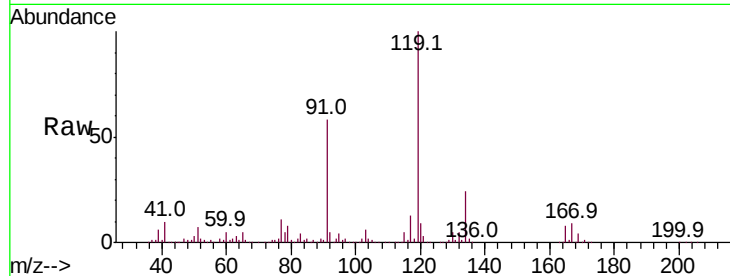
#83
 tert-Butylbenzene
 Concen: 46.089 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	467156		
91	56.1	27.6	82.7	
134	23.6	11.8	35.4	

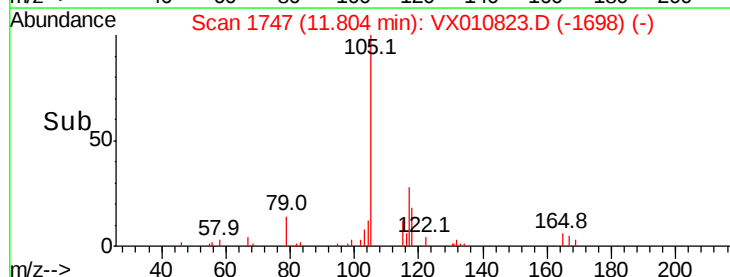
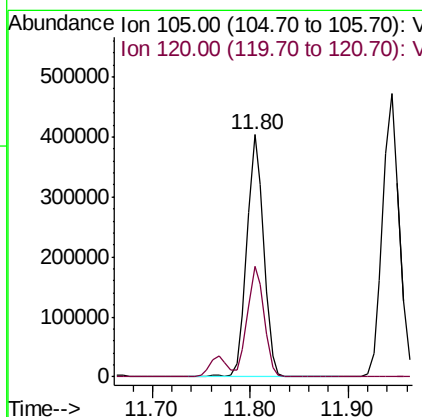
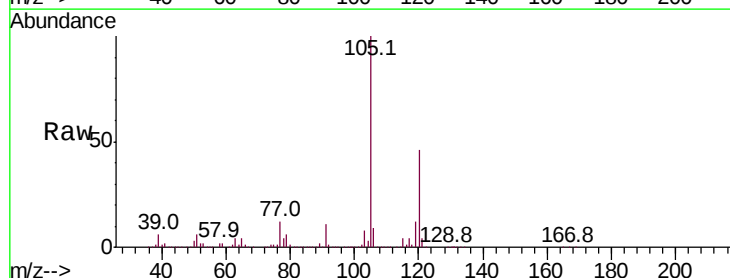
Manual Integrations
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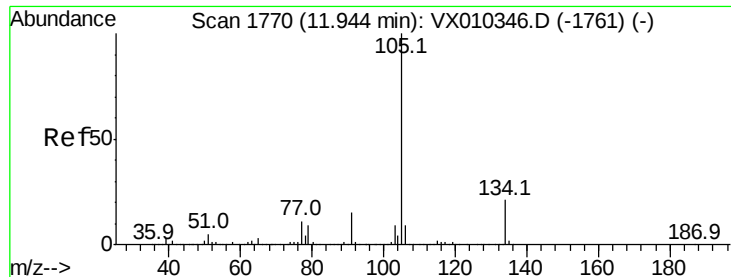
MMDadoda
 7/15/2019 11:00:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.511 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	482044		
120	46.0	23.1	69.2	





#85

sec-Butylbenzene

Concen: 47.099 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 560515

Ion Ratio Lower Upper

105 100

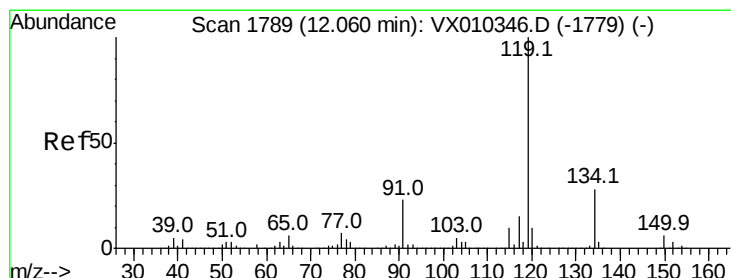
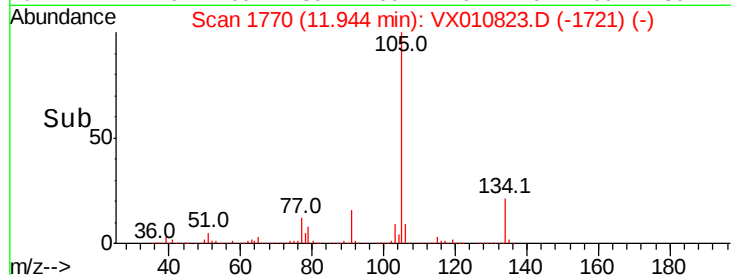
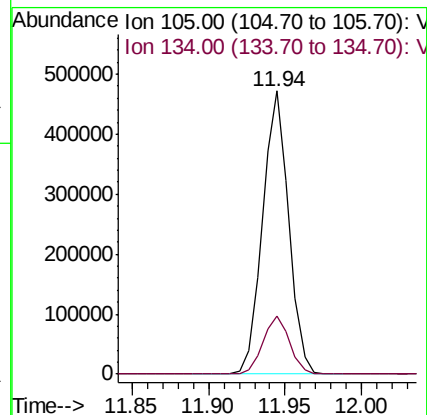
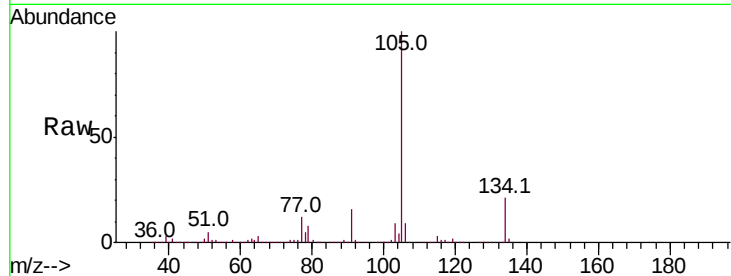
134 20.9 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

7/15/2019 11:00:16 AM



#86

p-Isopropyltoluene

Concen: 47.851 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

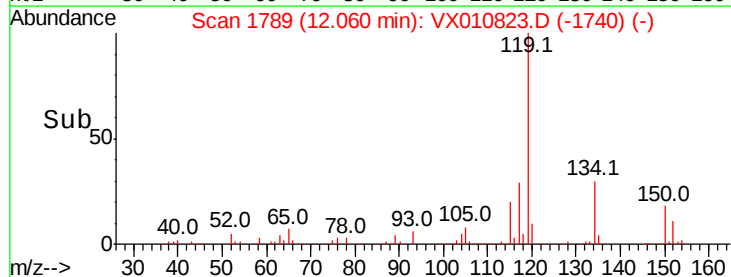
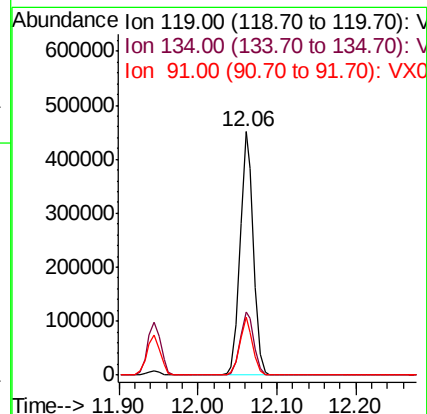
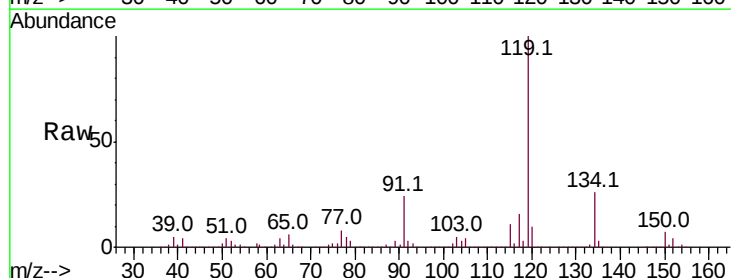
Tgt Ion:119 Resp: 526735

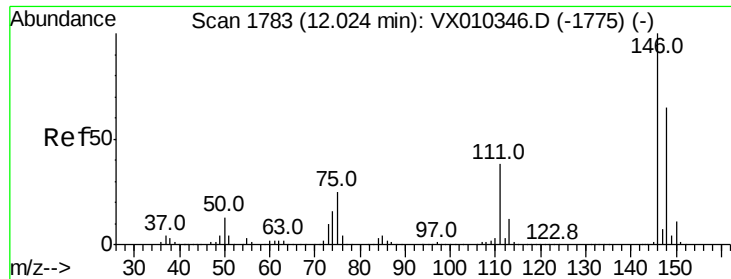
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

91 22.8 11.3 33.8





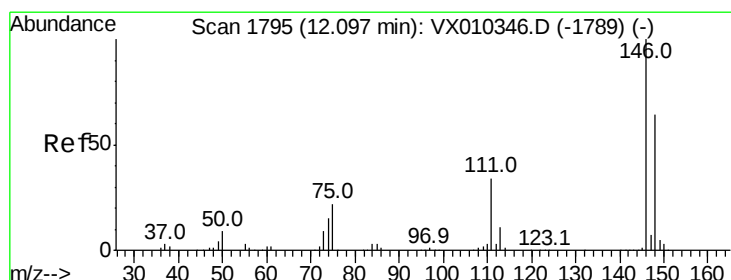
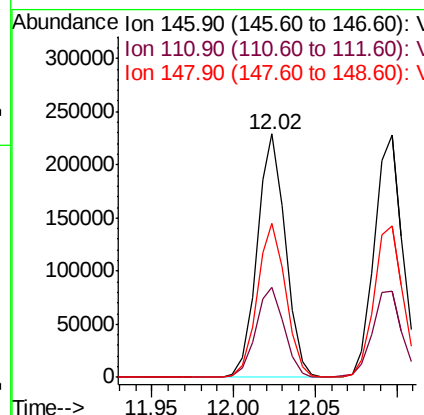
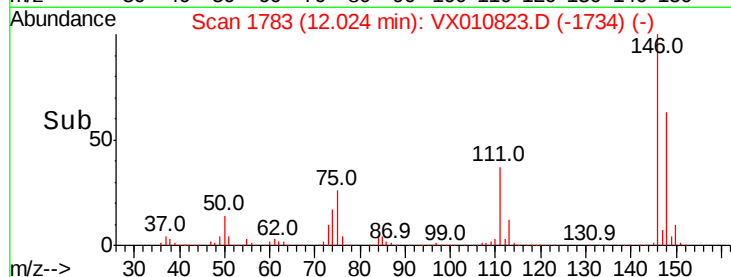
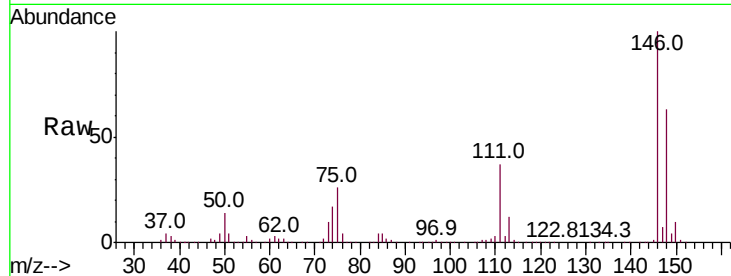
#87
 1,3-Dichlorobenzene
 Concen: 46.290 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.1
148	63.7	32.5	97.4

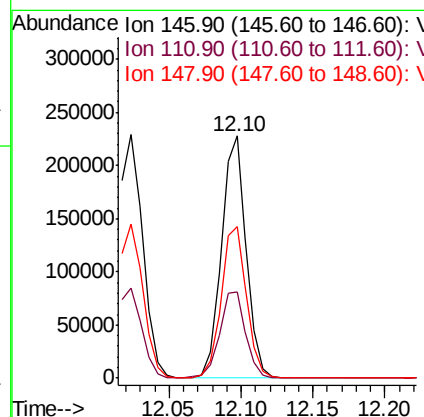
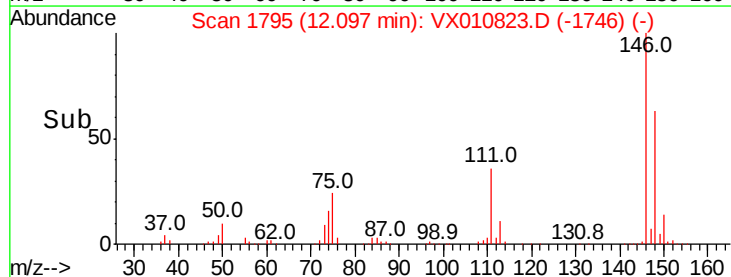
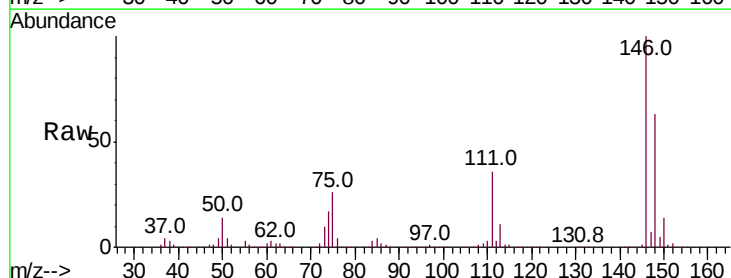
Manual Integrations
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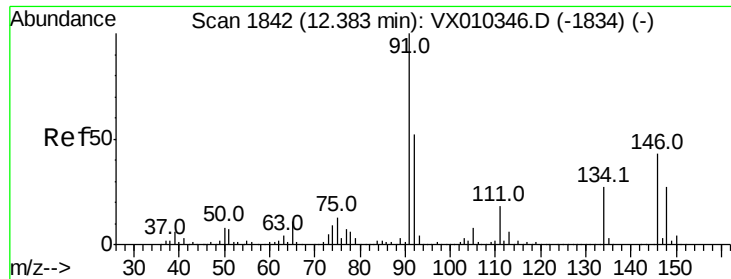
MMDadoda
 7/15/2019 11:00:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.948 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	64.3	32.1	96.3





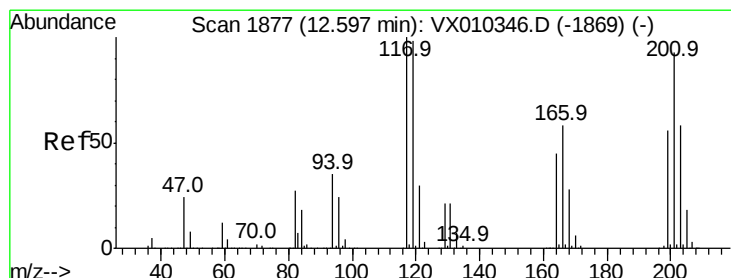
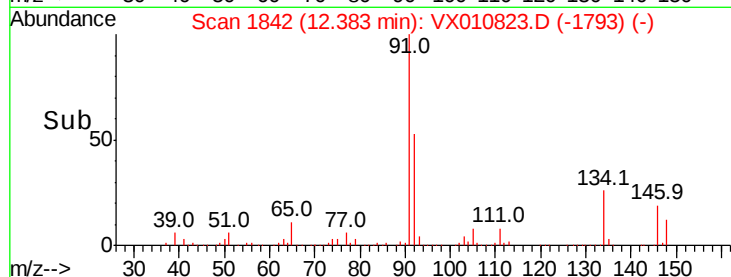
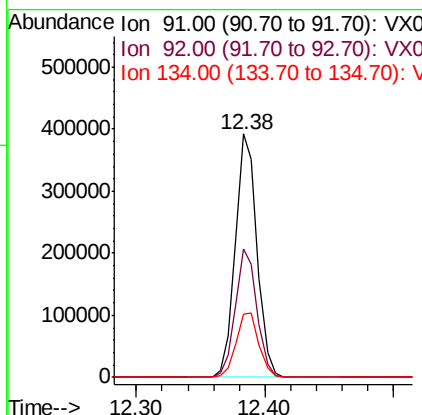
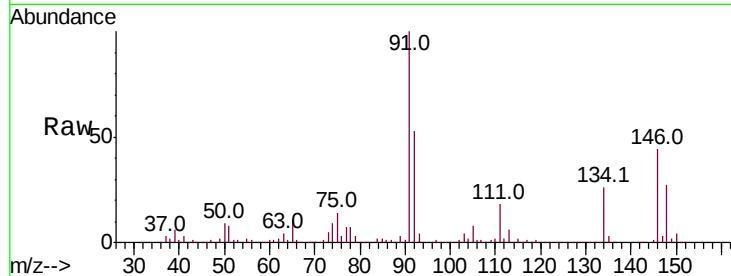
#89
n-Butylbenzene
Concen: 49.044 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	27.6	14.1	42.4

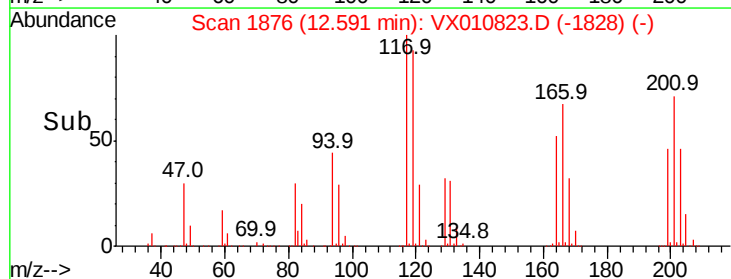
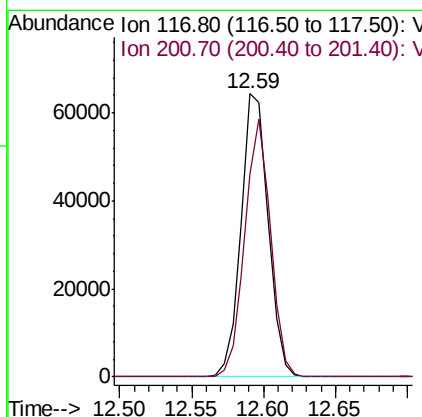
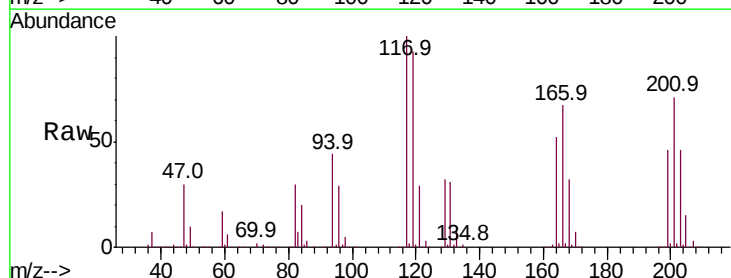
Manual Integrations
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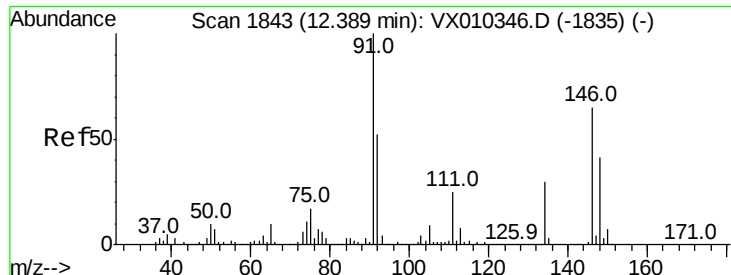
MMDadoda
7/15/2019 11:00:16 AM



#90
Hexachloroethane
Concen: 44.026 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	44.0	131.8





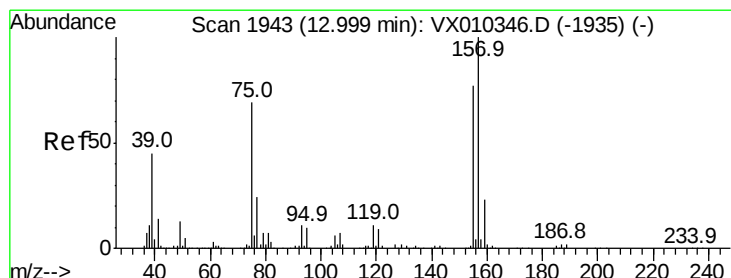
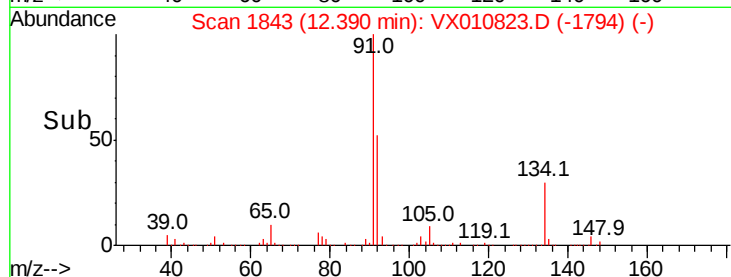
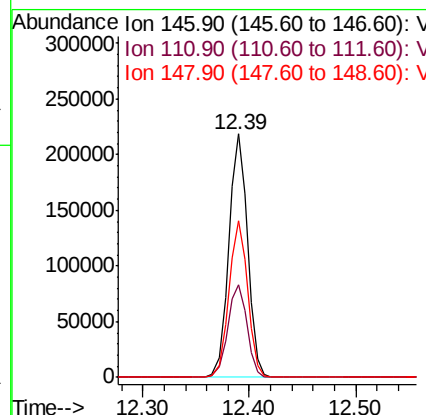
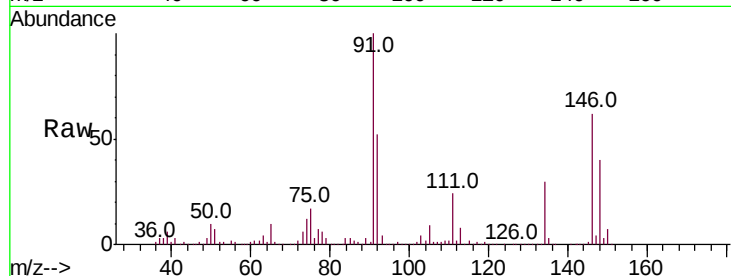
#91
 1,2-Dichlorobenzene
 Concen: 45.243 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	268480		
111	38.9	19.2	57.6	
148	64.1	32.0	96.0	

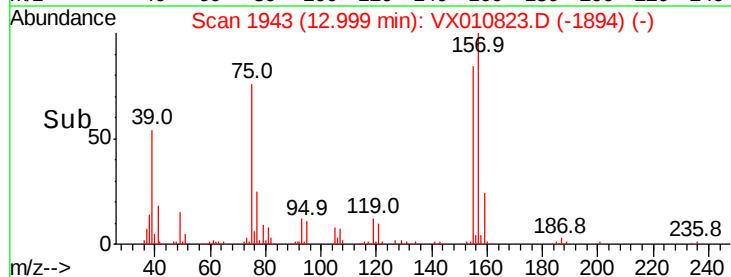
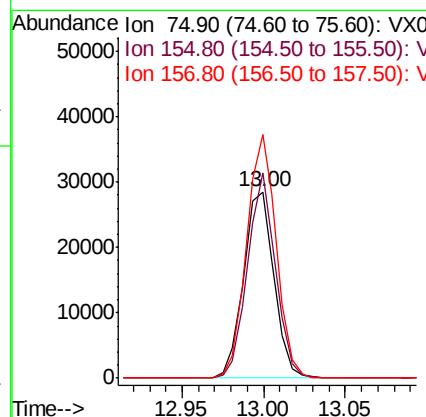
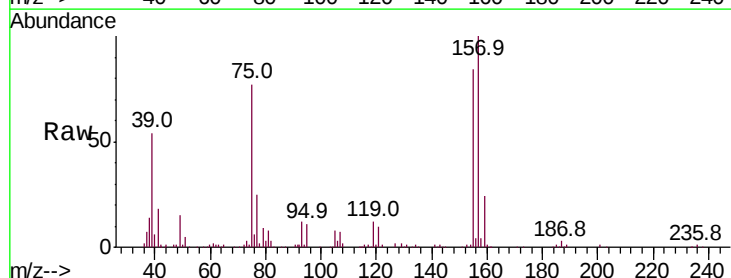
Manual Integrations
 APPROVED

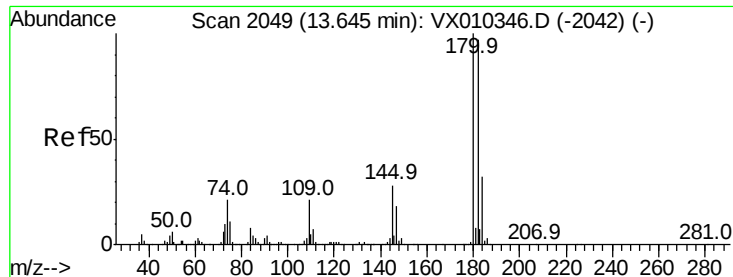
MMDadoda
 7/15/2019 11:00:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.435 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37117		
155	101.1	54.4	163.1	
157	127.0	69.5	208.3	





#93

1,2,4-Trichlorobenzene

Concen: 46.393 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

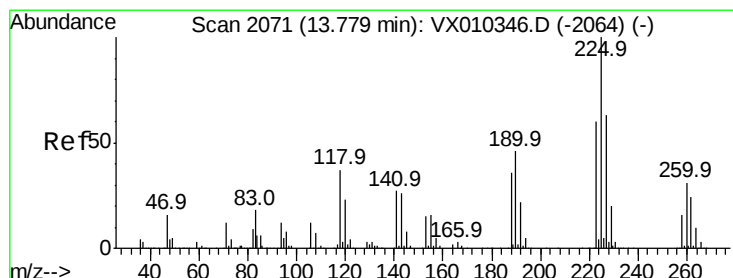
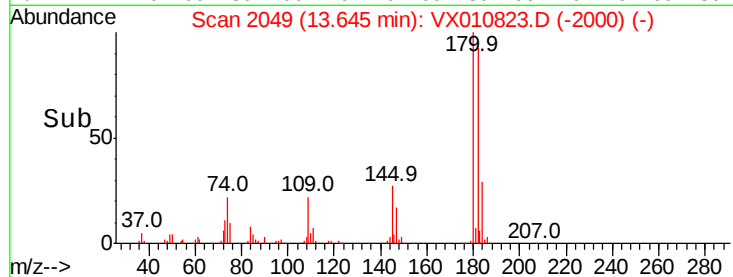
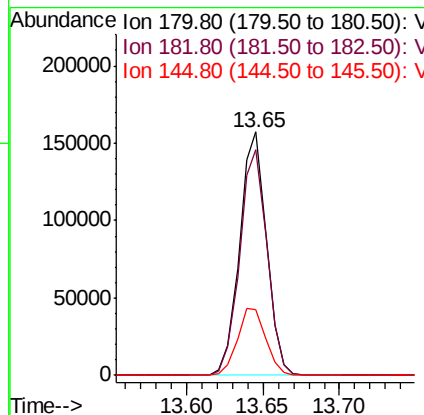
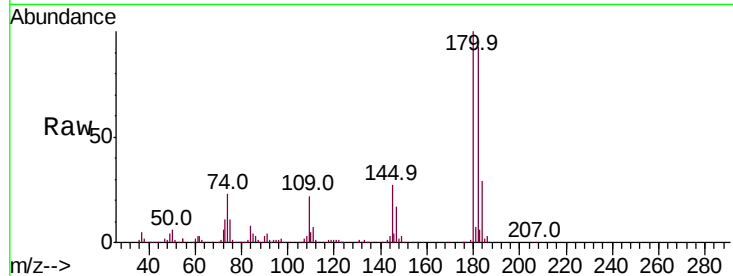
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	190918
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.0	144.0
145	29.1	14.4	43.4

Manual Integrations
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7/15/2019 11:00:16 AM



#94

Hexachlorobutadiene

Concen: 46.288 ug/l

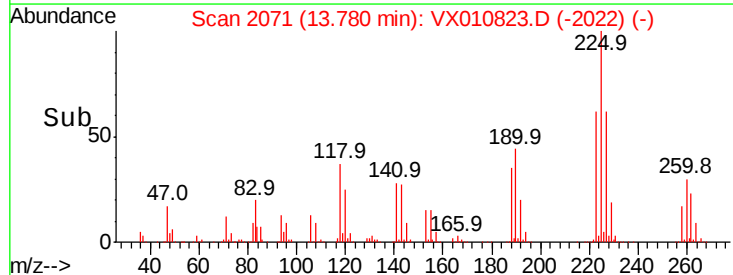
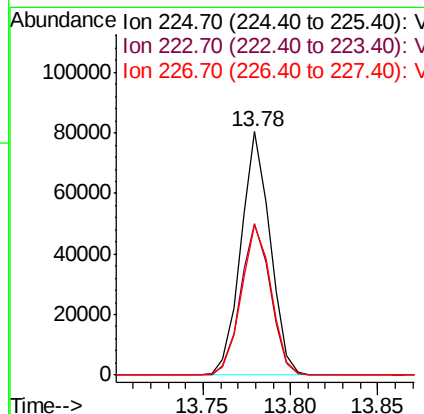
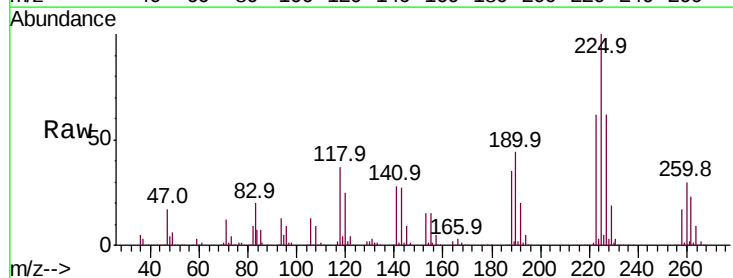
RT: 13.78 min Scan# 2071

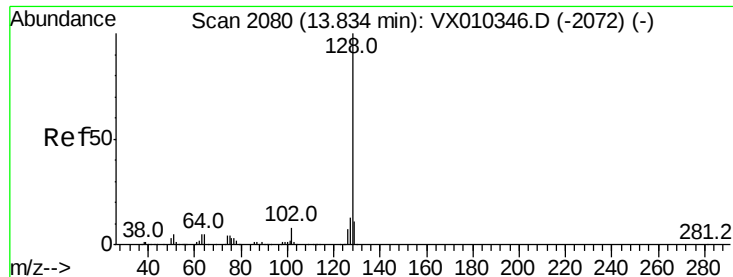
Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion:	225	Resp:	93099
Ion Ratio	Lower	Upper	
225	100		
223	63.6	30.9	92.7
227	63.2	31.9	95.5





#95

Naphthalene

Concen: 44.703 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

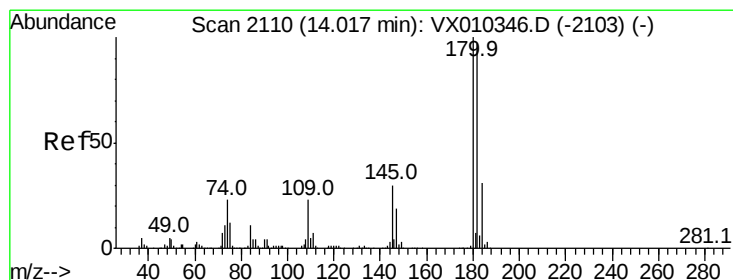
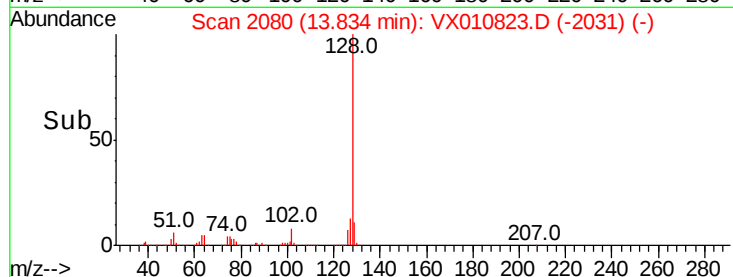
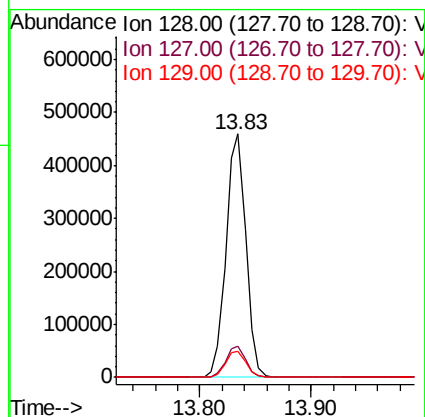
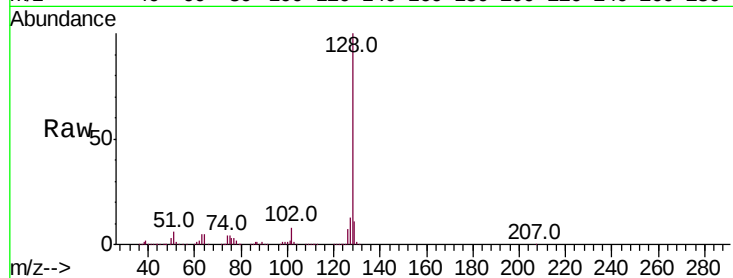
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	565334
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
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7/15/2019 11:00:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.331 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion:	180	Resp:	189571
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.8	143.3
145	30.8	15.2	45.6

