

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071219\
 Data File : VX010868.D
 Acq On : 13 Jul 2019 04:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 10:59:59 AM

Quant Time: Jul 15 09:13:19 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	255571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	364027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110260	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	5.50	113	103499	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
50) Toluene-d8	8.71	98	371167	40.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.50%	
62) 4-Bromofluorobenzene	11.13	95	143533	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	82001	46.151	ug/l	97
3) Chloromethane	1.32	50	90561	43.771	ug/l	100
4) Vinyl Chloride	1.41	62	97026	42.815	ug/l	97
5) Bromomethane	1.64	94	48414	43.852	ug/l	98
6) Chloroethane	1.71	64	61774	46.204	ug/l	98
7) Trichlorofluoromethane	1.92	101	168299	46.849	ug/l	100
8) Diethyl Ether	2.19	74	60891	47.265	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	92683	42.574	ug/l	98
10) Methyl Iodide	2.51	142	117621	37.858	ug/l	95
11) Tert butyl alcohol	3.05	59	136940	218.400	ug/l	99
12) 1,1-Dichloroethene	2.37	96	95929	43.304	ug/l	95
13) Acrolein	2.29	56	89091	214.189	ug/l	97
14) Allyl chloride	2.73	41	139605	44.390	ug/l	96
15) Acrylonitrile	3.14	53	290541	234.039	ug/l	99
16) Acetone	2.45	43	244589	203.668	ug/l	97
17) Carbon Disulfide	2.57	76	226559	38.121	ug/l	99
18) Methyl Acetate	2.78	43	90742	37.912	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	328364	47.118	ug/l	98
20) Methylene Chloride	2.85	84	111832	45.250	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	103055	43.255	ug/l	99
22) Diisopropyl ether	3.85	45	308502	46.917	ug/l	92
23) Vinyl Acetate	3.81	43	1043759	183.744	ug/l	97
24) 1,1-Dichloroethane	3.70	63	176732	46.498	ug/l	100
25) 2-Butanone	4.67	43	395813	224.690	ug/l	100
26) 2,2-Dichloropropane	4.58	77	91139	27.603	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122008	44.315	ug/l	100
28) Bromochloromethane	5.02	49	78069	42.960	ug/l	95
29) Tetrahydrofuran	5.13	42	256866	235.410	ug/l	98
30) Chloroform	5.21	83	190141	46.495	ug/l	100
31) Cyclohexane	5.57	56	151302	43.714	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	164358	45.516	ug/l	99
36) 1,1-Dichloropropene	5.80	75	134984	43.117	ug/l	99
37) Ethyl Acetate	4.84	43	119798	37.196	ug/l	99
38) Carbon Tetrachloride	5.79	117	141543	41.752	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	161244	39.183	ug/l	97
40) Benzene	6.14	78	424345	43.507	ug/l	100
41) Methacrylonitrile	5.04	41	83547	47.278	ug/l	96
42) 1,2-Dichloroethane	6.19	62	146679	49.404	ug/l	97
43) Isopropyl Acetate	6.45	43	211352	39.664	ug/l	98
44) Trichloroethene	7.21	130	122682	42.036	ug/l	100
45) 1,2-Dichloropropane	7.51	63	108216	43.936	ug/l	100
46) Dibromomethane	7.66	93	78846	44.617	ug/l	96
47) Bromodichloromethane	7.90	83	142875	44.117	ug/l	99
48) Methyl methacrylate	7.77	41	118410	47.807	ug/l	96
49) 1,4-Dioxane	7.74	88	64603	905.429	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	803846	235.872	ug/l	98
52) Toluene	8.78	92	274489	42.735	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	143025	39.391	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	159062	40.312	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	116858	44.114	ug/l	99
56) Ethyl methacrylate	9.18	69	180772	45.048	ug/l	95
57) 1,3-Dichloropropane	9.37	76	186154	45.270	ug/l	100
59) 2-Hexanone	9.49	43	626243	233.481	ug/l	98
60) Dibromochloromethane	9.58	129	123200	41.537	ug/l	100
61) 1,2-Dibromoethane	9.67	107	126201	44.137	ug/l	99
64) Tetrachloroethene	9.34	164	111542	37.883	ug/l	99
65) Chlorobenzene	10.14	112	313147	42.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	114620	42.578	ug/l	100
67) Ethyl Benzene	10.25	91	545280	43.704	ug/l	97
68) m/p-Xylenes	10.36	106	415248	85.894	ug/l	96
69) o-Xylene	10.69	106	206189	43.370	ug/l	98
70) Styrene	10.71	104	351698	44.111	ug/l	98
71) Bromoform	10.85	173	94301	40.282	ug/l	99
73) Isopropylbenzene	11.02	105	546667	42.814	ug/l	99
74) N-amyl acetate	10.90	43	176160	36.507	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	184571	43.649	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	153466m	44.711	ug/l	
77) Bromobenzene	11.26	156	150249	42.142	ug/l	97
78) n-propylbenzene	11.36	91	614131	43.763	ug/l	99
79) 2-Chlorotoluene	11.42	91	366314	43.837	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	462294	43.919	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	46649	31.706	ug/l	88
82) 4-Chlorotoluene	11.51	91	424213	44.614	ug/l	99
83) tert-Butylbenzene	11.77	119	458696	43.418	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	468440	44.296	ug/l	98
85) sec-Butylbenzene	11.94	105	536489	43.250	ug/l	99
86) p-Isopropyltoluene	12.06	119	492029	42.883	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	262012	42.101	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	259932	41.026	ug/l	98
89) n-Butylbenzene	12.38	91	410885	42.143	ug/l	99
90) Hexachloroethane	12.60	117	77947	39.289	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	260366	42.094	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38600	42.339	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	174623	40.710	ug/l	99

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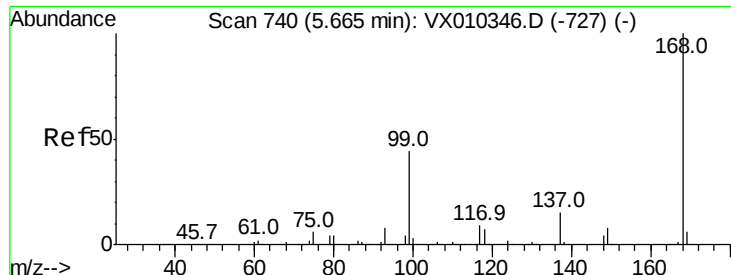
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81376	38.817	ug/l	99
95) Naphthalene	13.83	128	550081	41.731	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	177206	41.551	ug/l	99

(#) = 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: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 255571

Ion Ratio Lower Upper

168 100

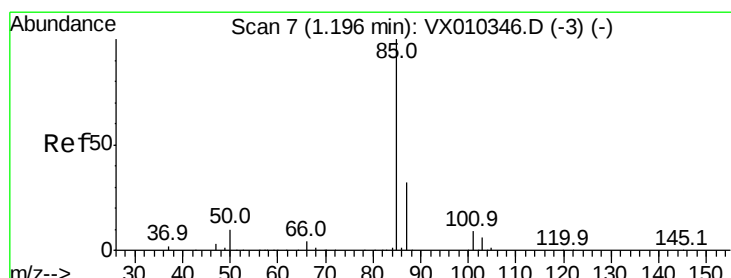
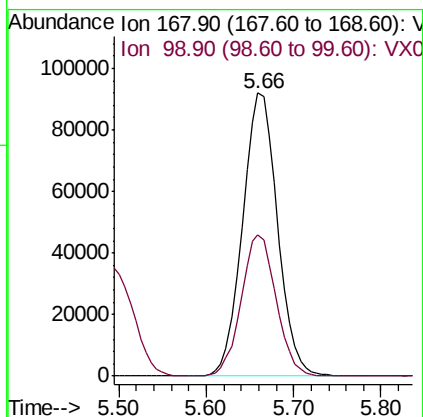
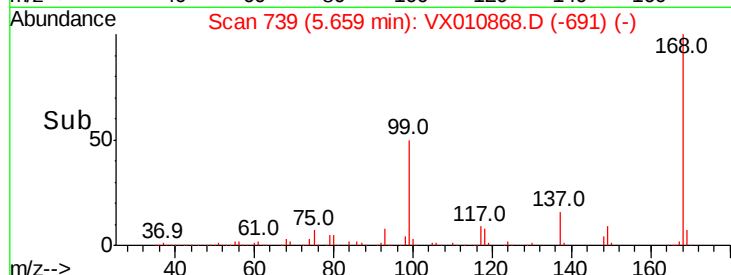
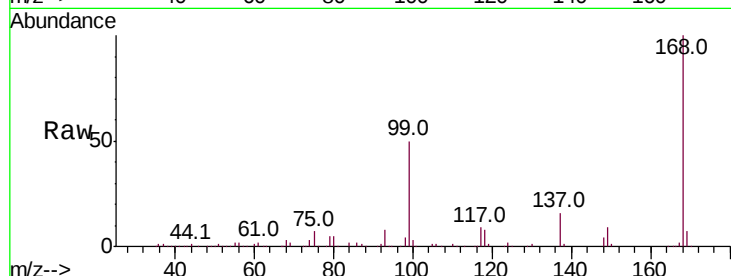
99 49.8 35.5 53.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.151 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010868.D

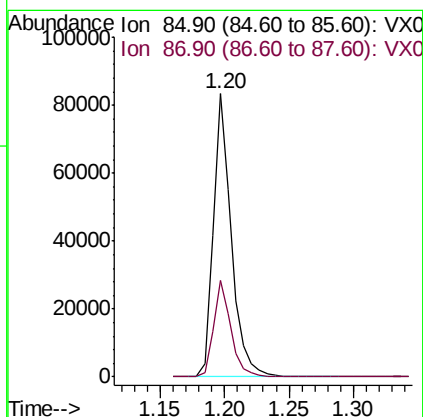
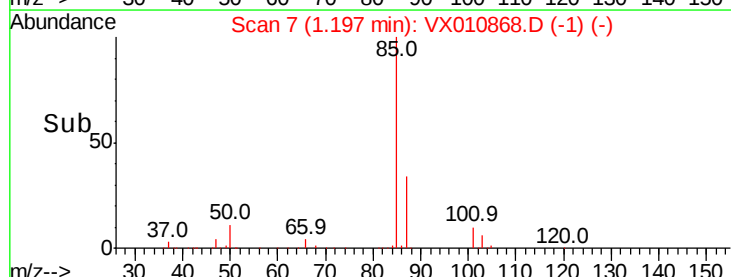
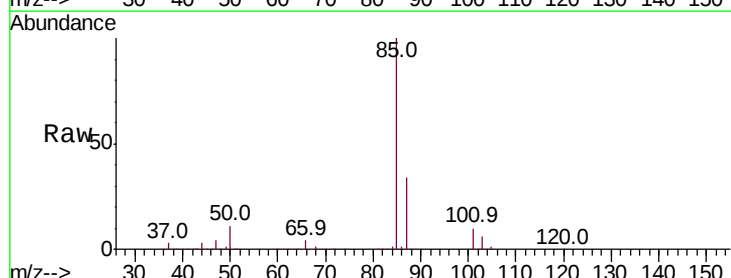
Acq: 13 Jul 2019 04:05

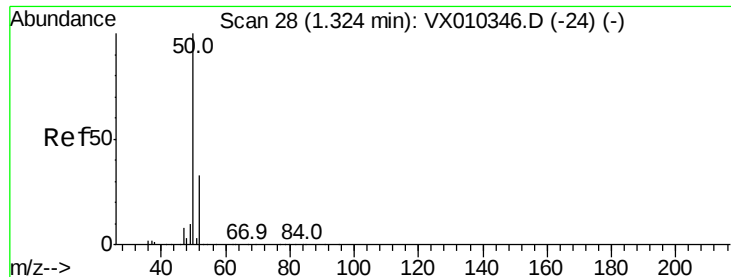
Tgt Ion: 85 Resp: 82001

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.8





#3

Chloromethane

Concen: 43.771 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 90561

Ion Ratio Lower Upper

50 100

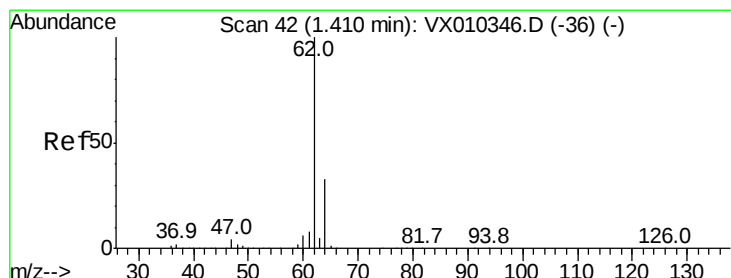
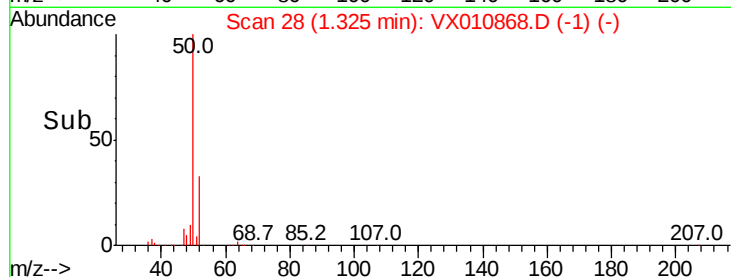
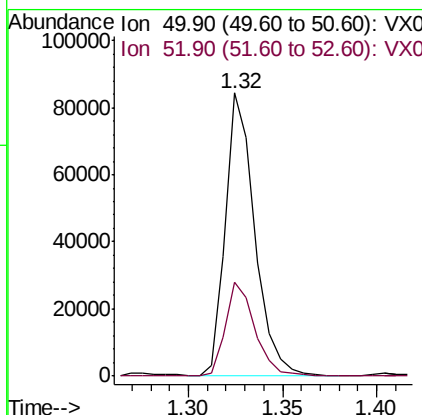
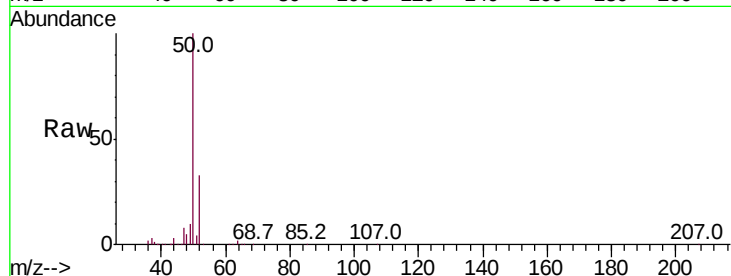
52 33.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.815 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010868.D

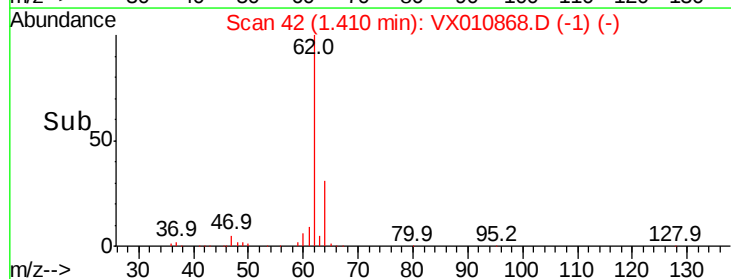
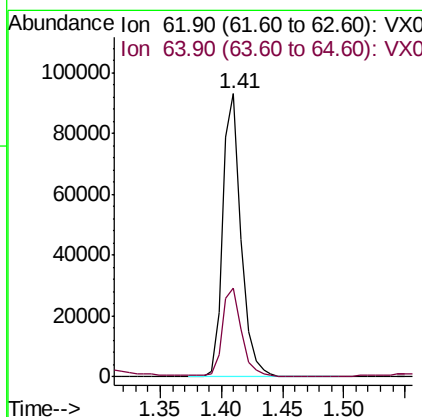
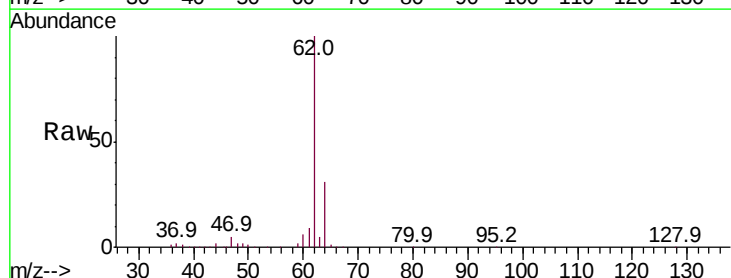
Acq: 13 Jul 2019 04:05

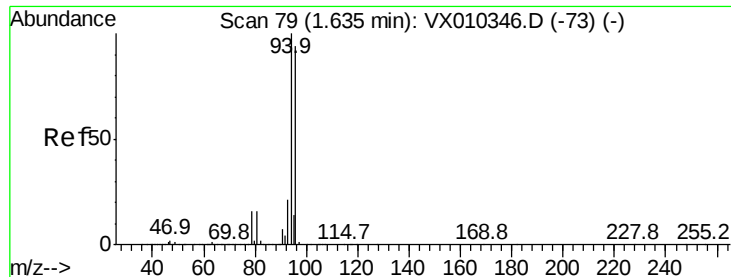
Tgt Ion: 62 Resp: 97026

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 43.852 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48414

Ion Ratio Lower Upper

94 100

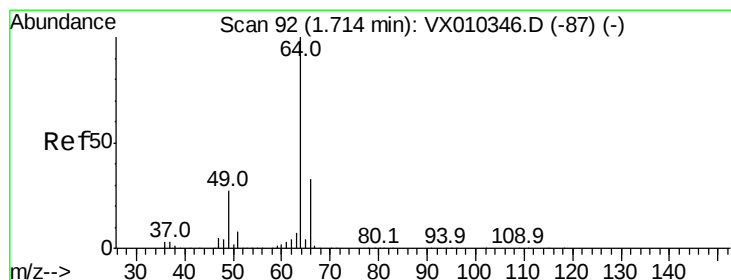
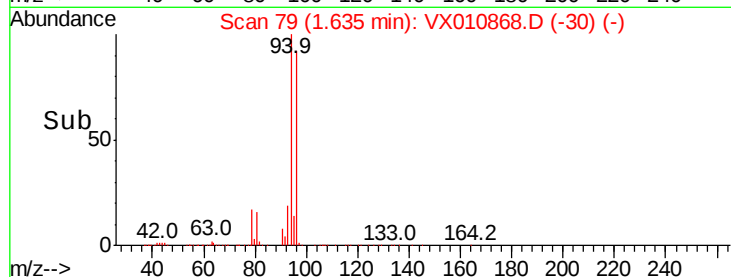
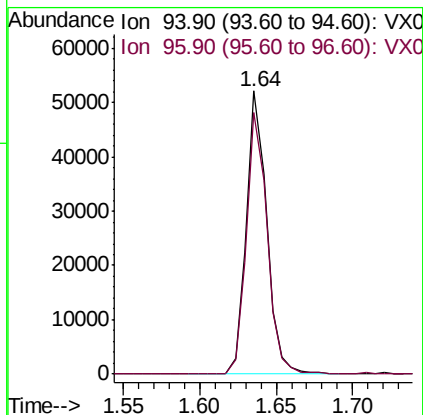
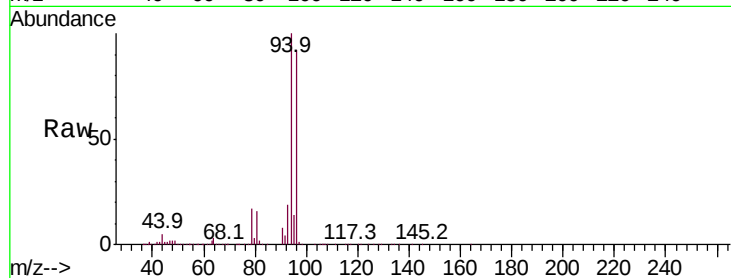
96 92.2 75.5 113.3

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#6

Chloroethane

Concen: 46.204 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010868.D

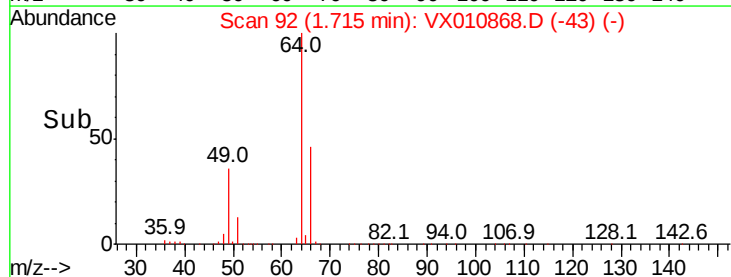
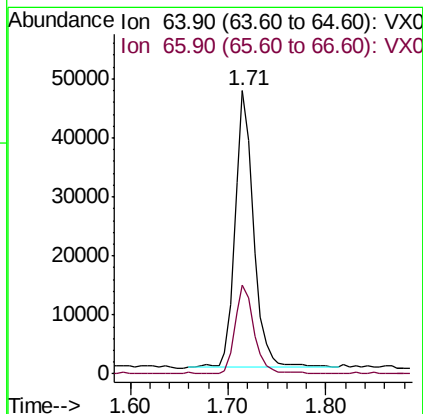
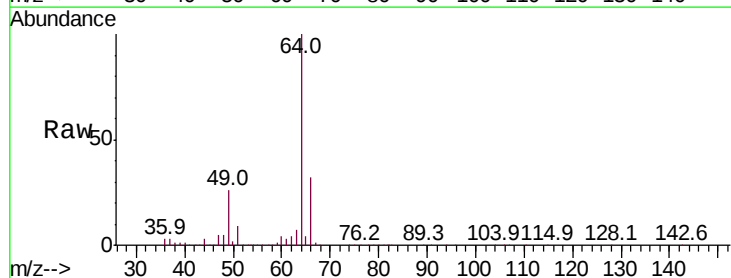
Acq: 13 Jul 2019 04:05

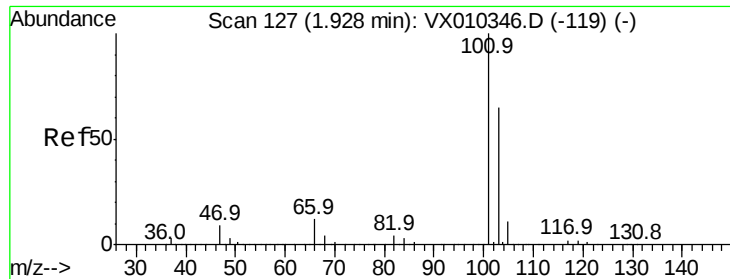
Tgt Ion: 64 Resp: 61774

Ion Ratio Lower Upper

64 100

66 32.0 26.6 40.0





#7

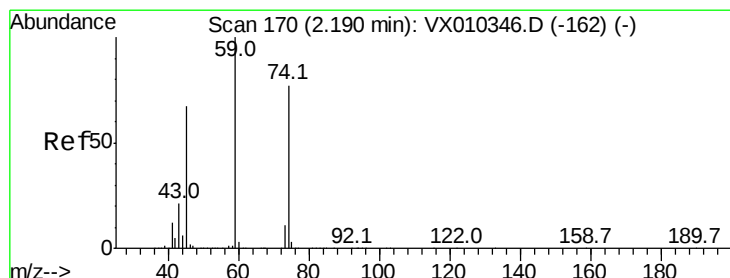
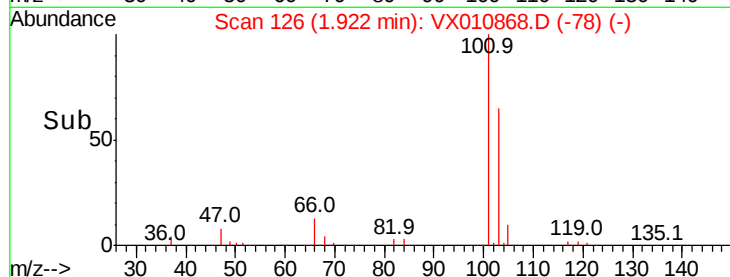
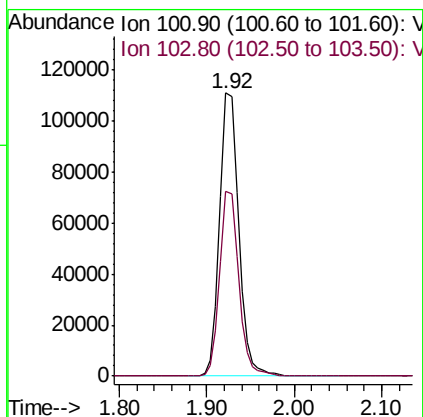
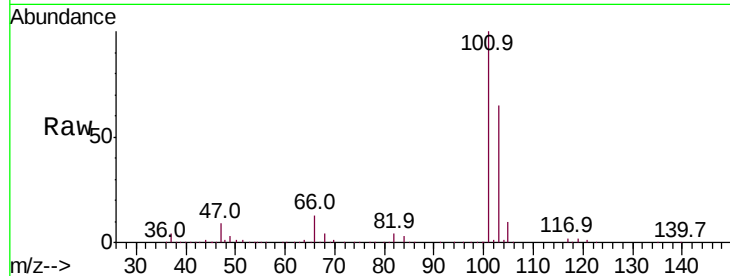
Trichlorofluoromethane
Concen: 46.849 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.3	78.5

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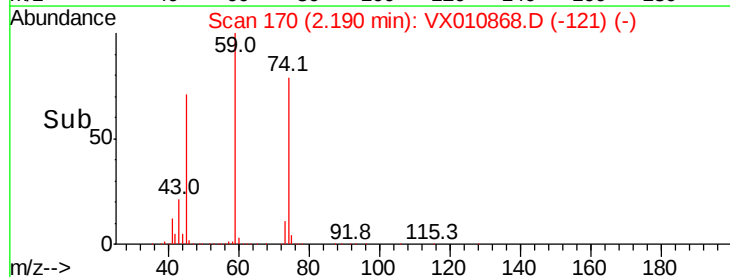
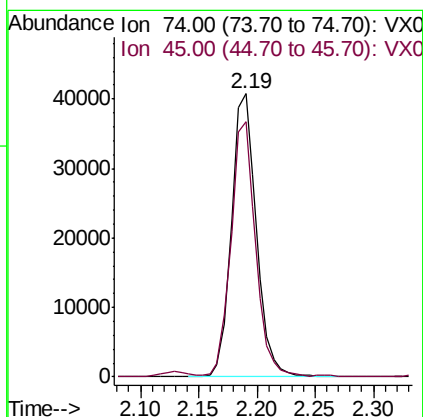
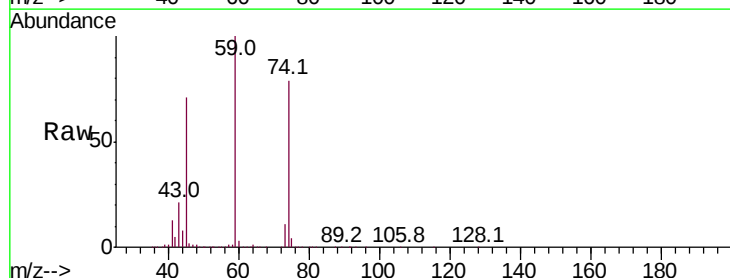
MMDadoda
7/15/2019 10:59:59 AM

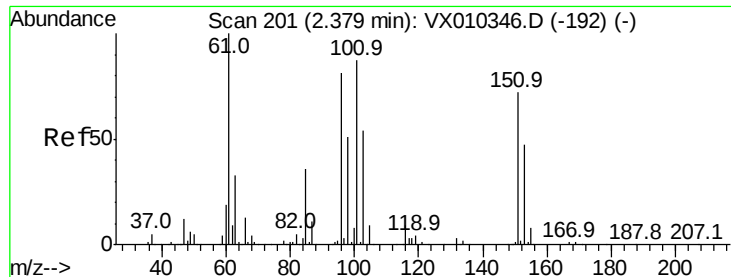


#8

Diethyl Ether
Concen: 47.265 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.574 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

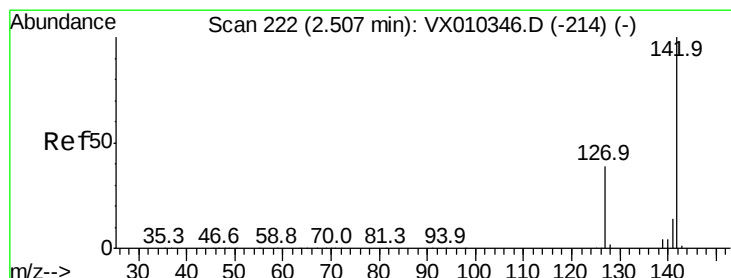
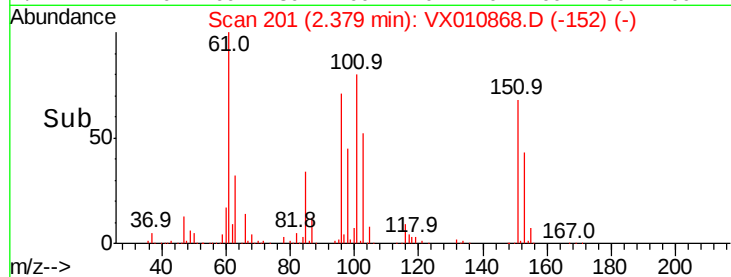
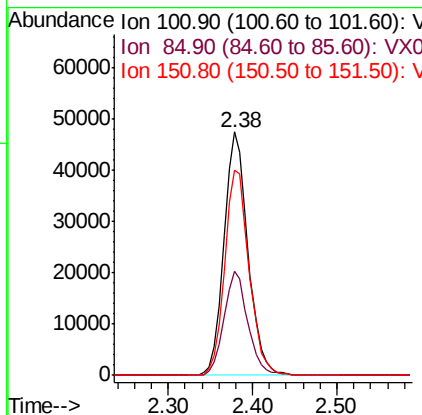
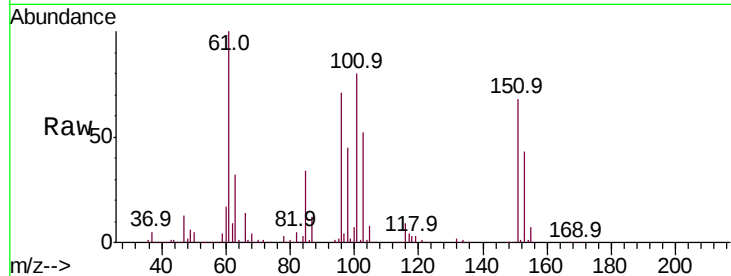
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	92683
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	85.7	70.1	105.1

Manual Integrations
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7/15/2019 10:59:59 AM



#10

Methyl Iodide

Concen: 37.858 ug/l

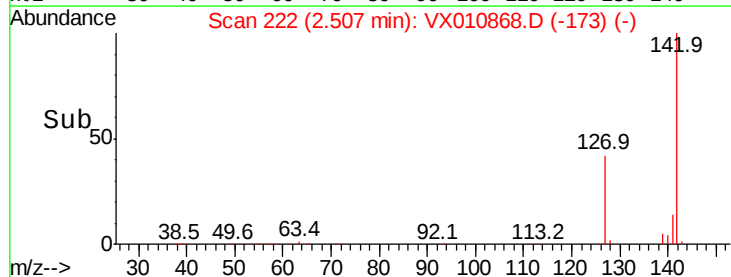
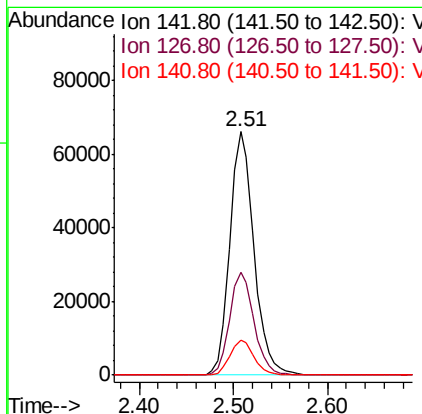
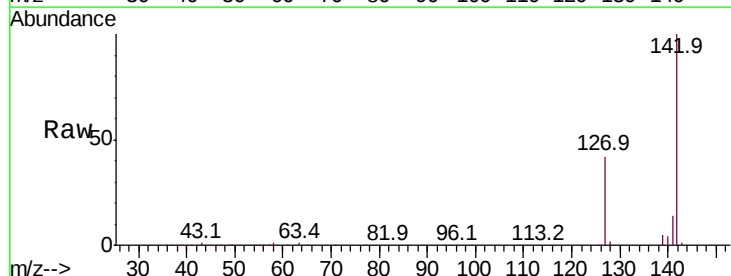
RT: 2.51 min Scan# 222

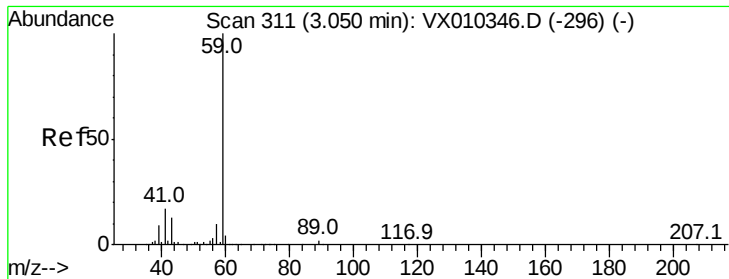
Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion:	142	Resp:	117621
Ion Ratio	Lower	Upper	
142	100		
127	42.5	31.1	46.7
141	14.4	11.2	16.8





#11

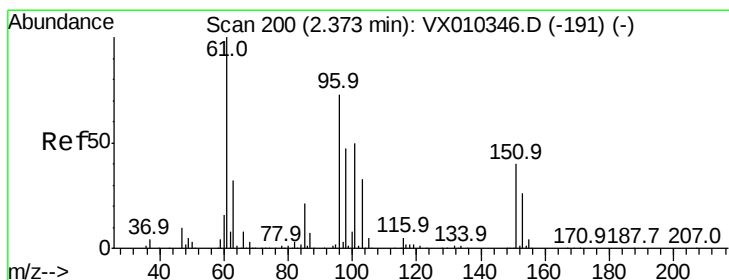
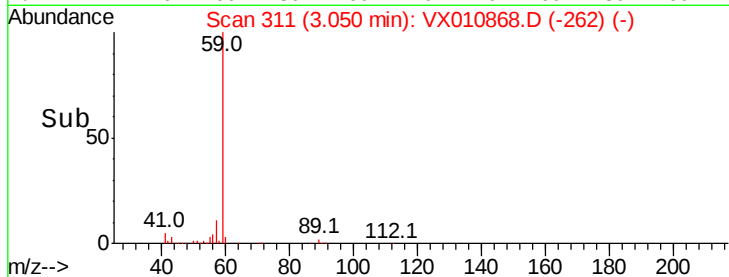
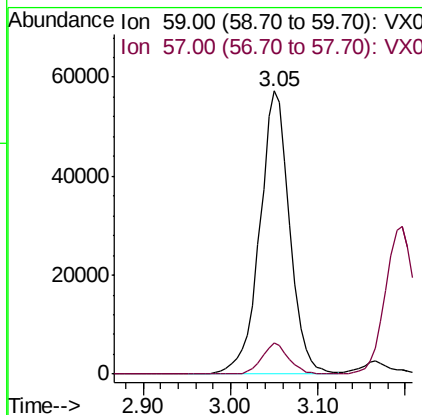
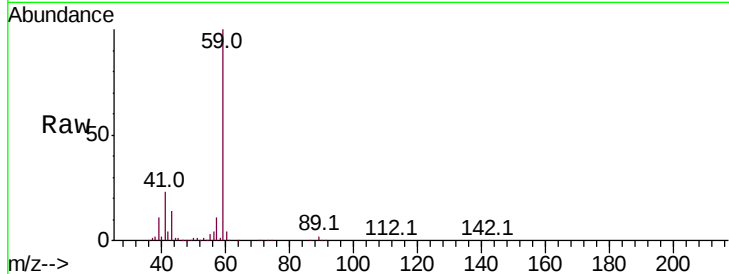
Tert butyl alcohol
Concen: 218.400 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	136940
Ion Ratio	100	Lower	Upper
57	10.1	7.7	11.5

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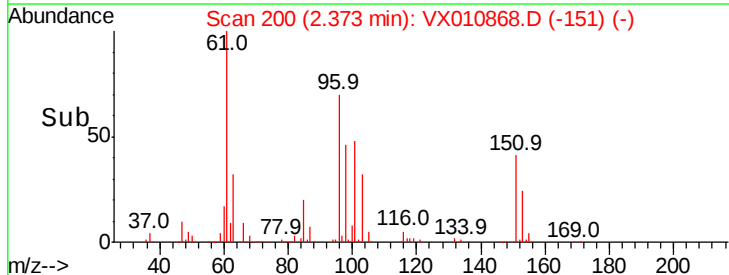
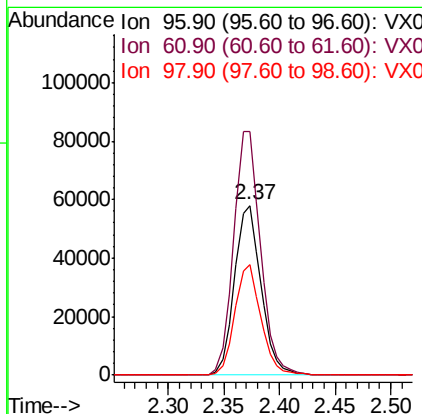
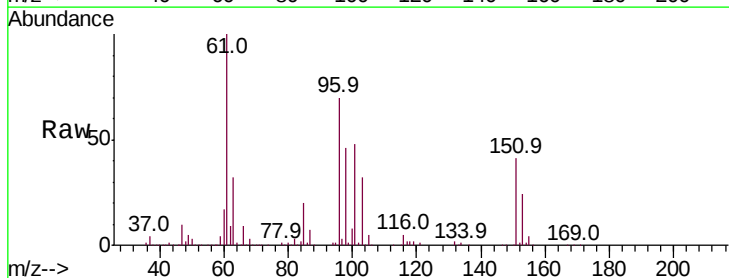
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7/15/2019 10:59:59 AM

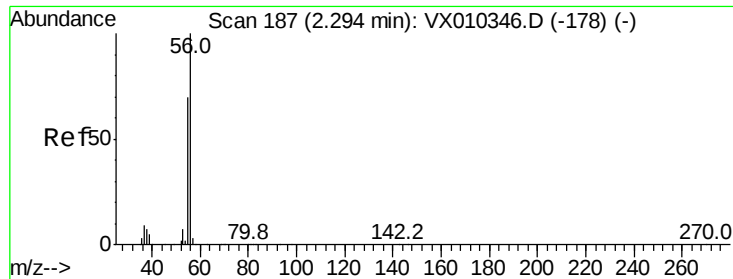


#12

1,1-Dichloroethene
Concen: 43.304 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	96	Resp	95929
Ion Ratio	100	Lower	Upper
61	143.6	109.2	163.8
98	65.4	51.1	76.7





#13

Acrolein

Concen: 214.189 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 89091

Ion Ratio Lower Upper

56 100

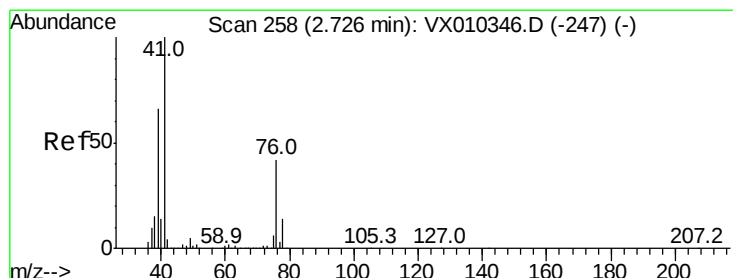
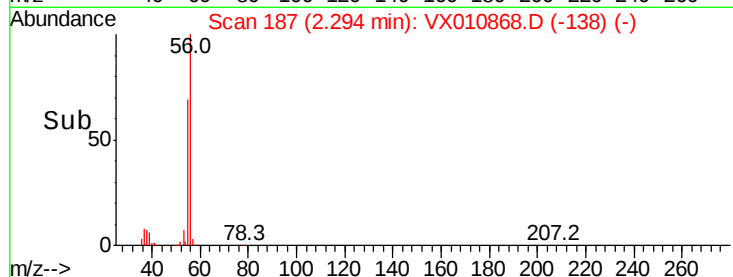
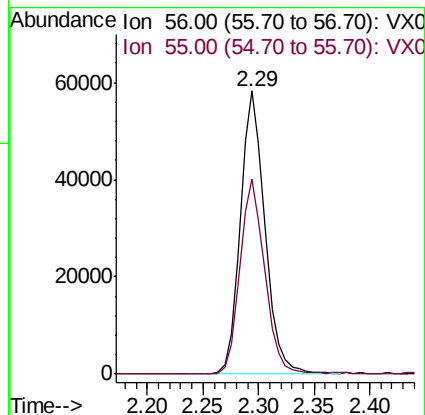
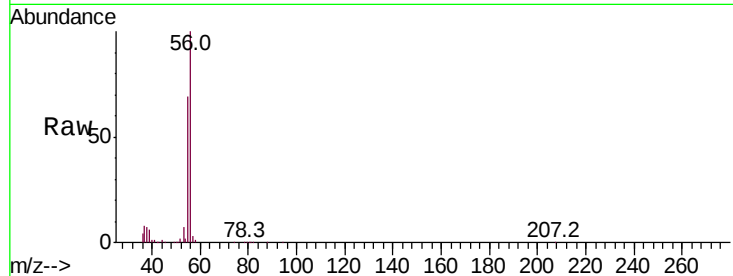
55 68.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 44.390 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

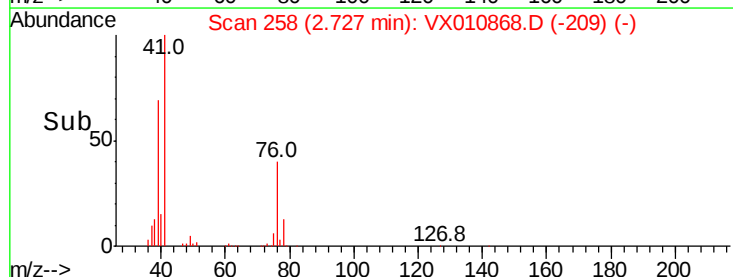
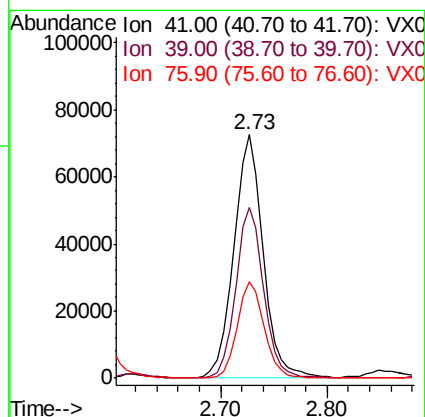
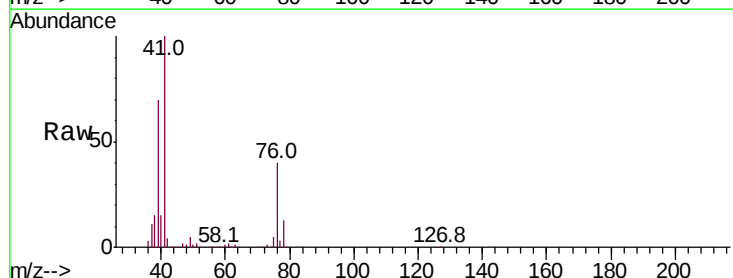
Tgt Ion: 41 Resp: 139605

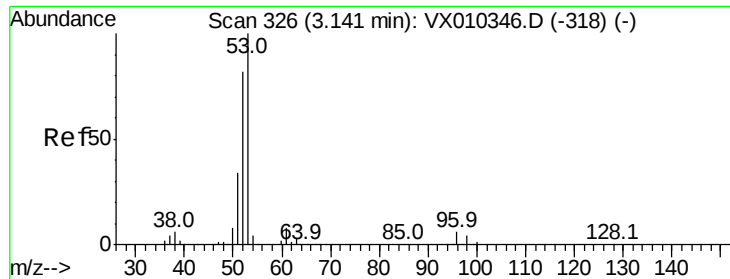
Ion Ratio Lower Upper

41 100

39 66.3 50.3 75.5

76 36.5 31.3 46.9





#15

Acrylonitrile

Concen: 234.039 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

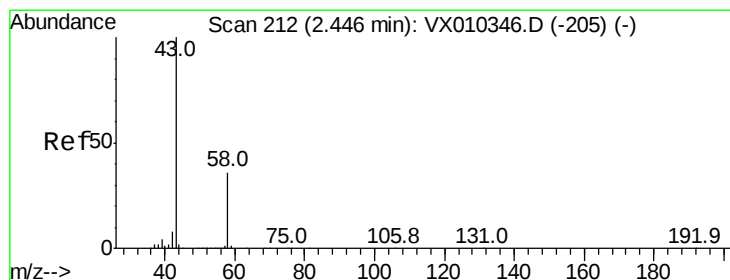
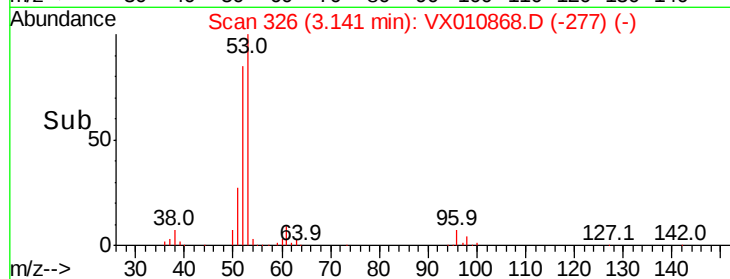
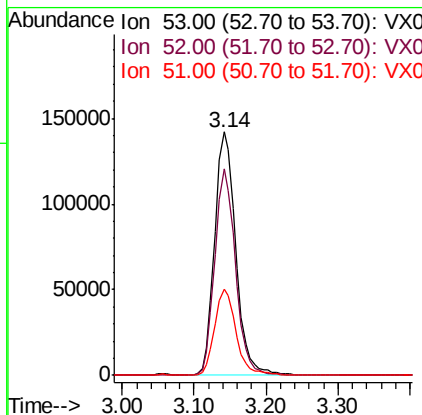
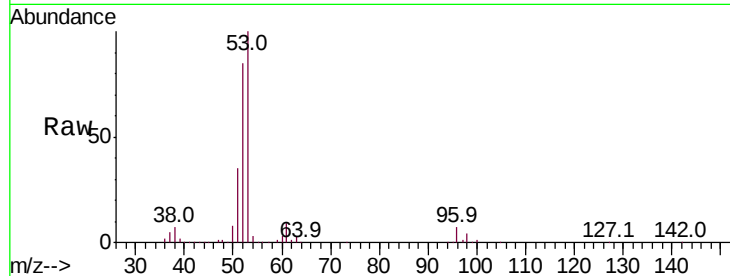
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	290541
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.5	98.3
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 203.668 ug/l

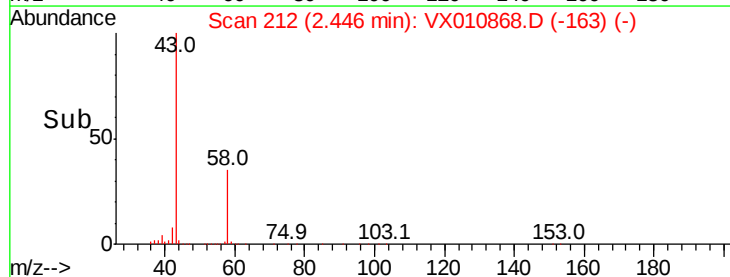
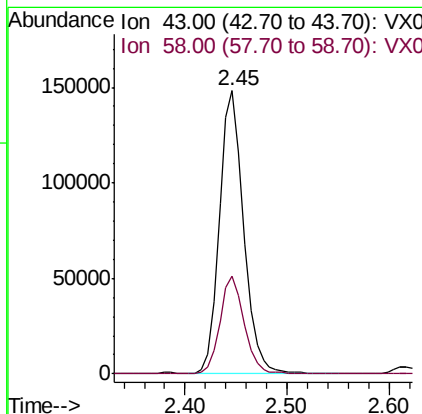
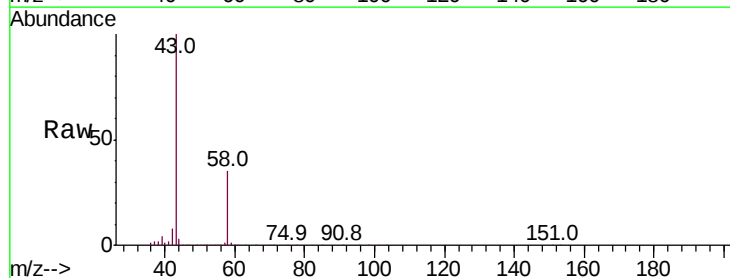
RT: 2.45 min Scan# 212

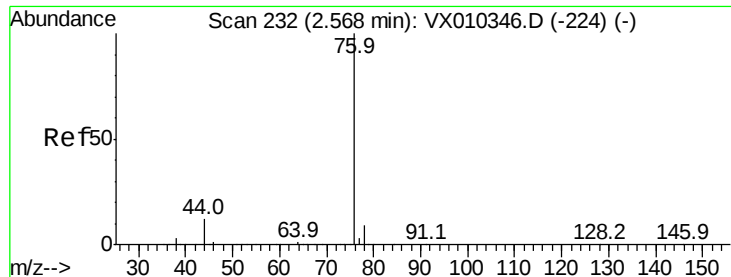
Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion:	43	Resp:	244589
Ion Ratio	Lower	Upper	
43	100		
58	34.6	28.9	43.3





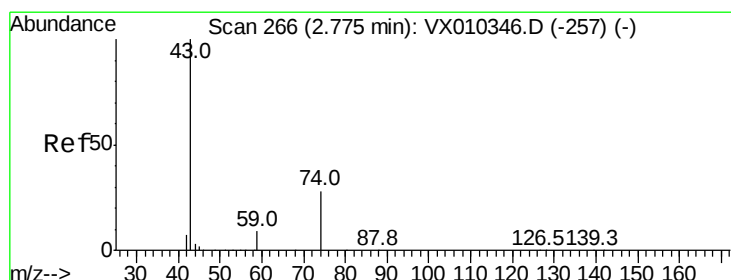
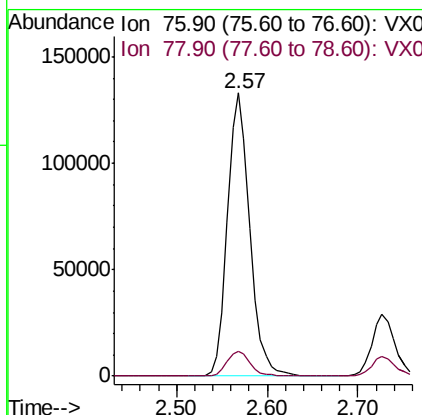
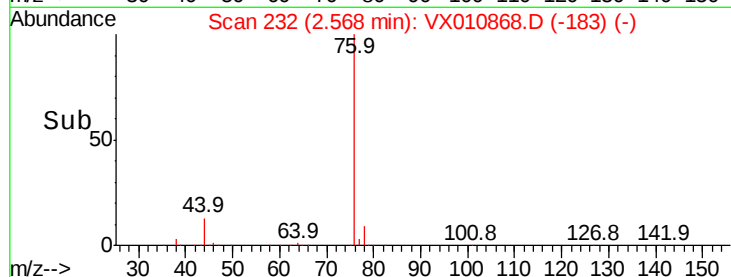
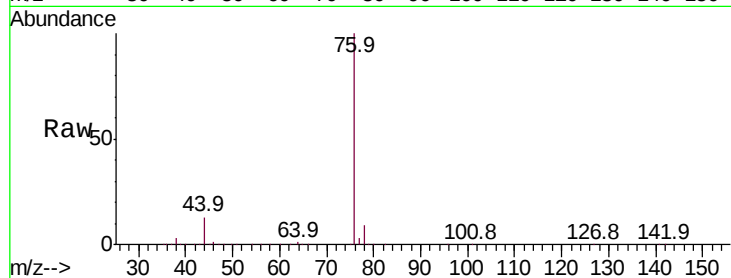
#17
Carbon Disulfide
Concen: 38.121 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

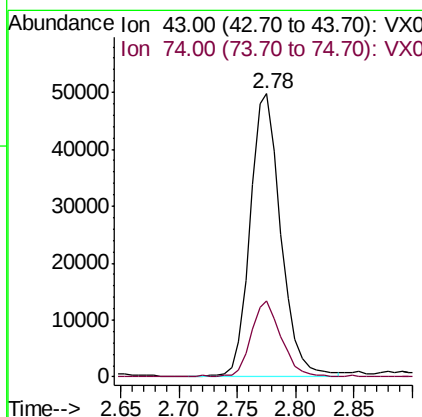
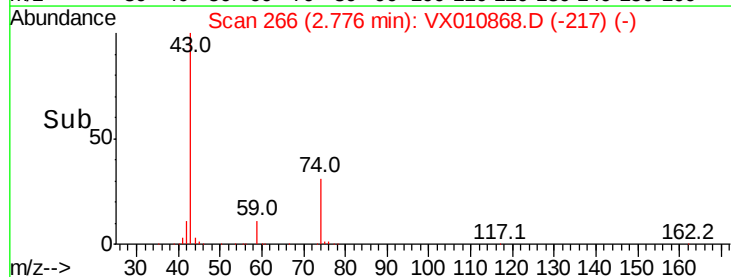
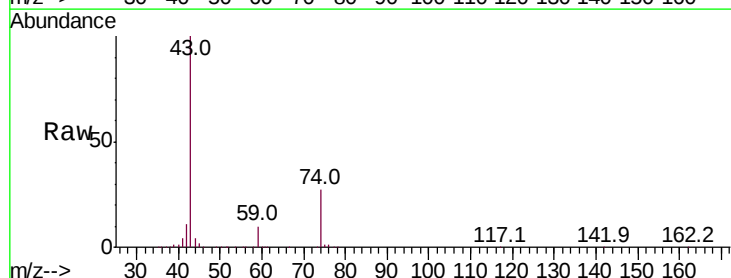
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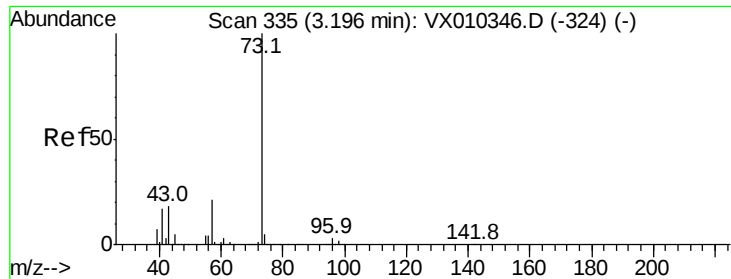
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#18
Methyl Acetate
Concen: 37.912 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	21.3	31.9





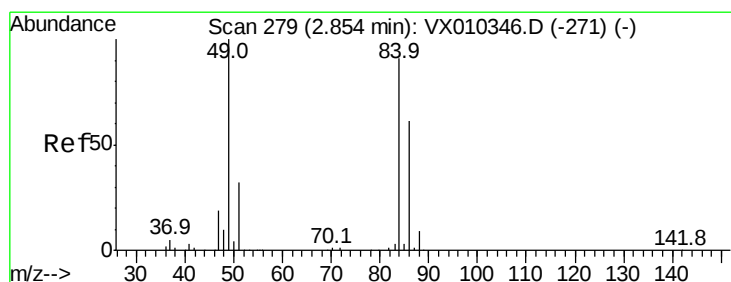
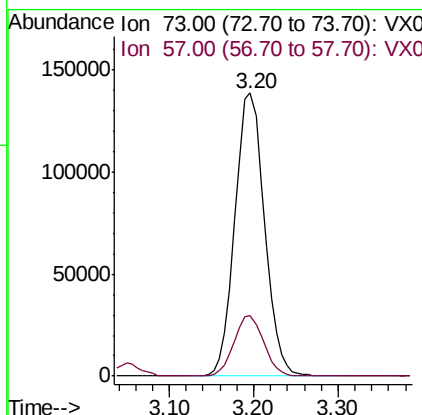
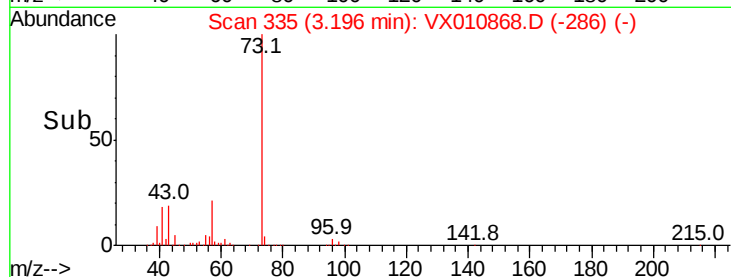
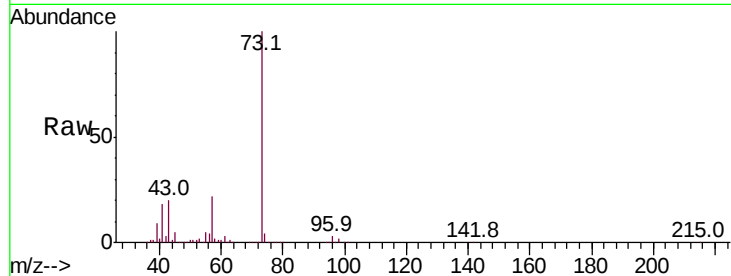
#19
Methvl tert-butvl Ether
Concen: 47.118 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 328364
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6

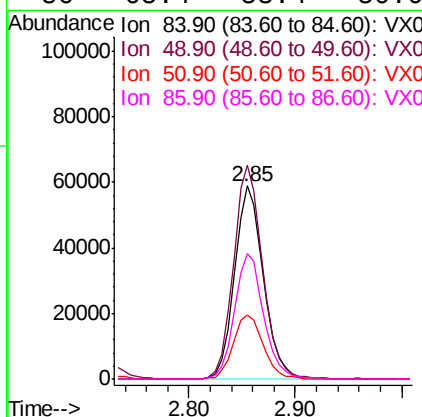
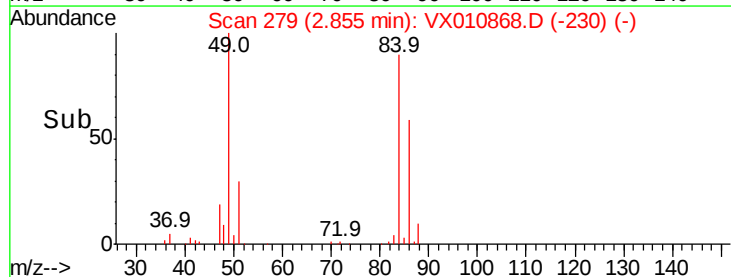
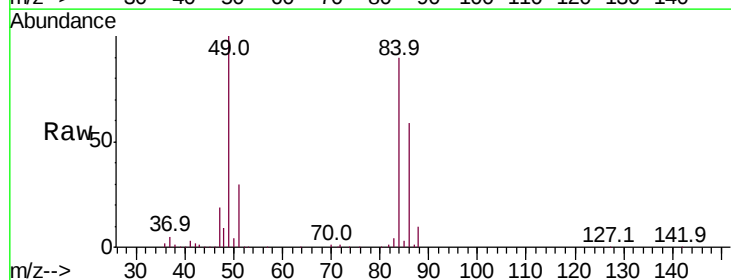
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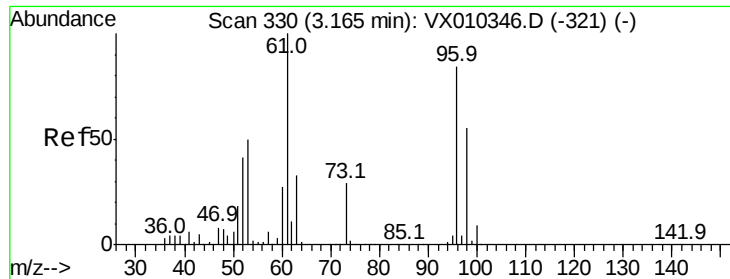
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#20
Methylene Chloride
Concen: 45.250 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion: 84 Resp: 111832
Ion Ratio Lower Upper
84 100
49 110.8 87.5 131.3
51 33.1 27.7 41.5
86 65.4 53.4 80.0





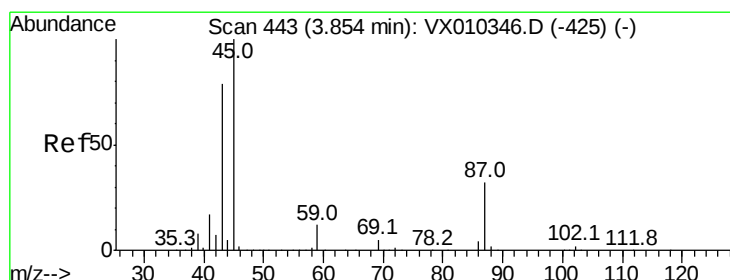
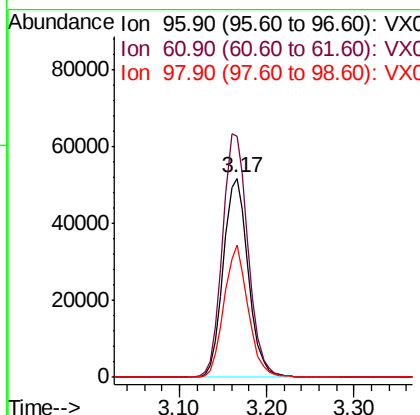
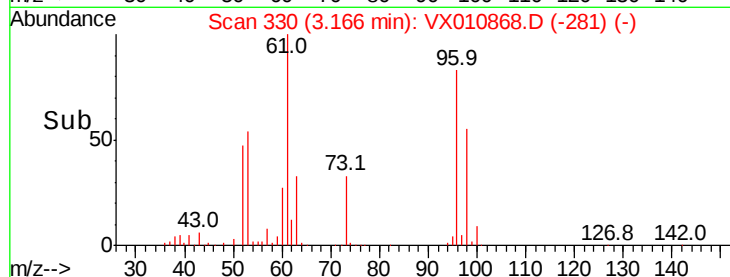
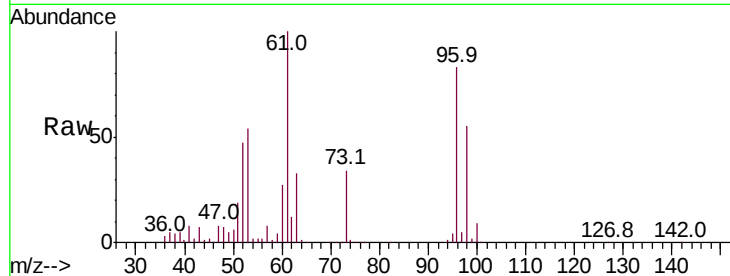
#21
trans-1,2-Dichloroethene
Concen: 43.255 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.2	95.6	143.4
98	66.7	52.5	78.7

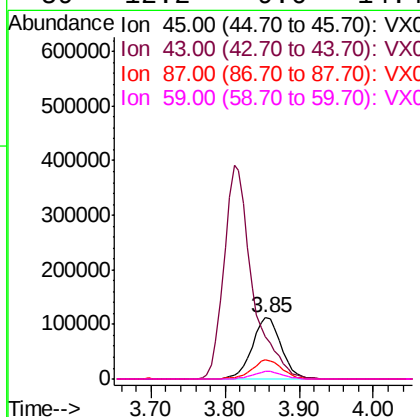
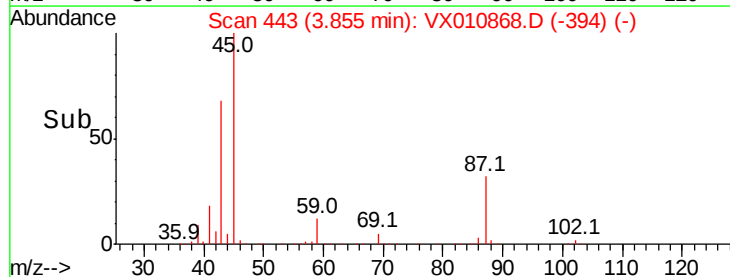
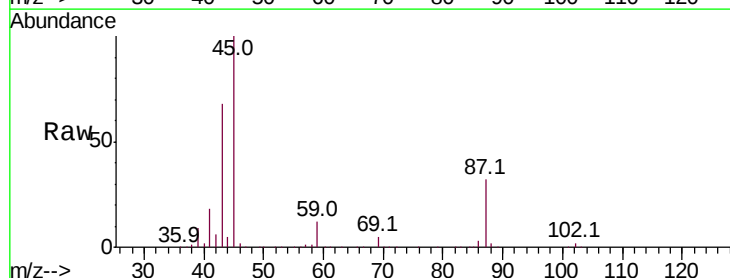
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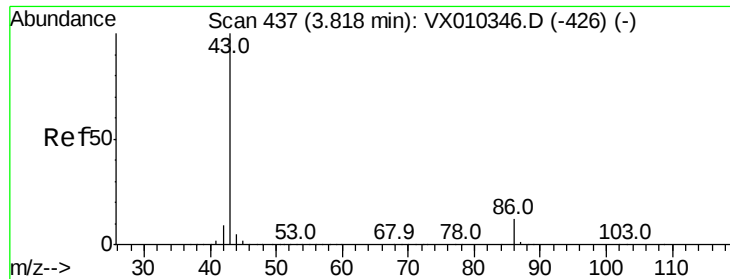
MMDadoda
7/15/2019 10:59:59 AM



#22
Diisopropyl ether
Concen: 46.917 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	63.3	94.9
87	32.3	25.8	38.8
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 183.744 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1043759

Ion Ratio Lower Upper

43 100

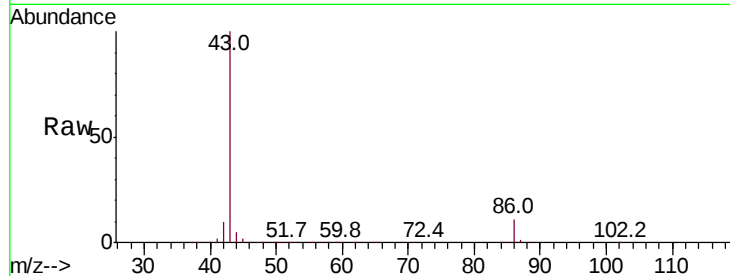
86 11.3 9.9 14.9

Manual Integrations

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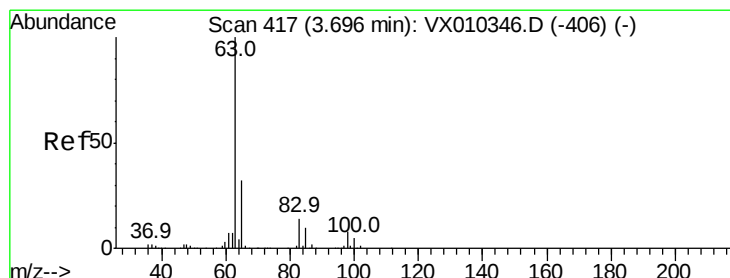
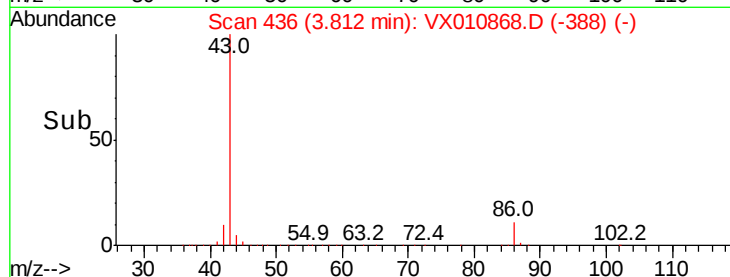
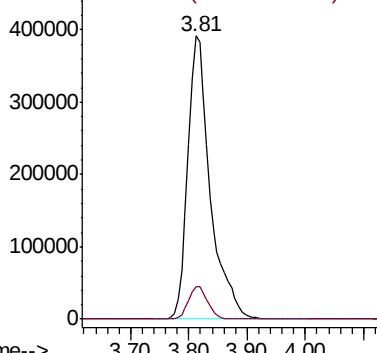
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.498 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

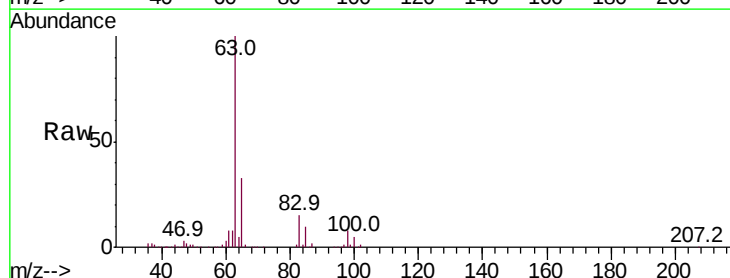
Tgt Ion: 63 Resp: 176732

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

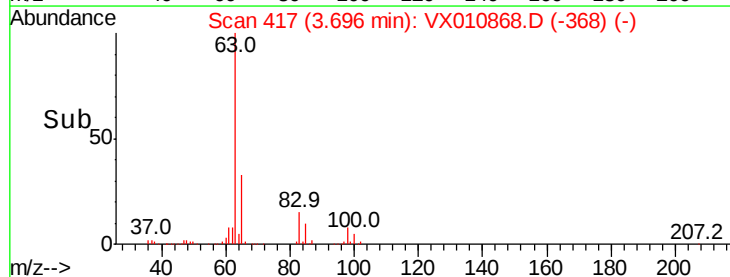
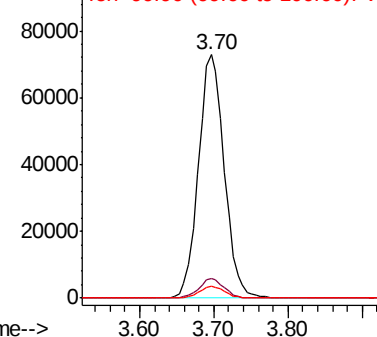
100 4.8 2.4 7.1

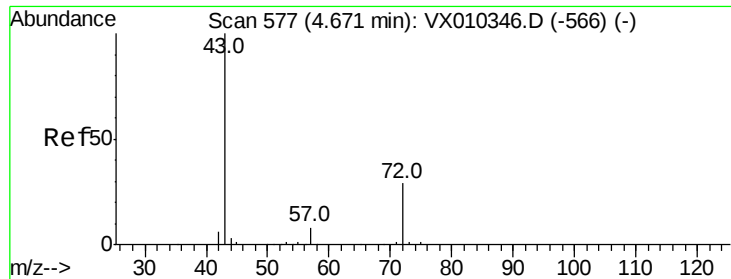


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 224.690 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 395813

Ion Ratio Lower Upper

43 100

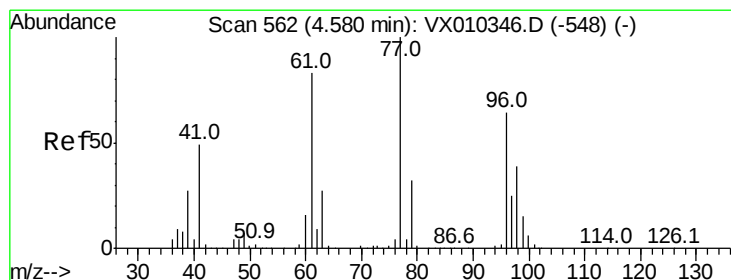
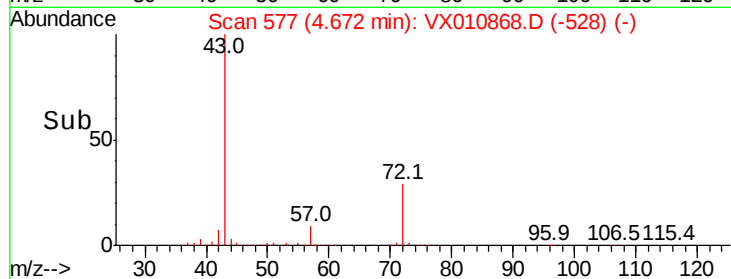
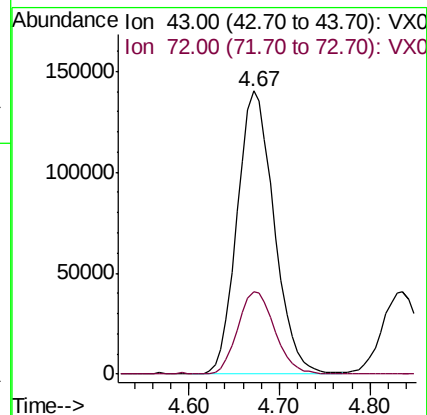
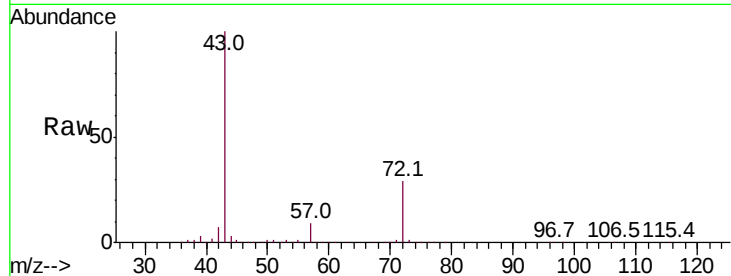
72 29.1 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 27.603 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010868.D

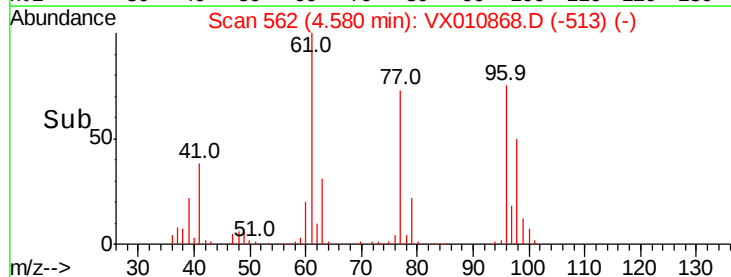
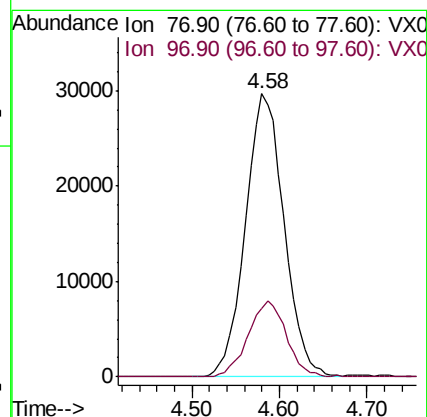
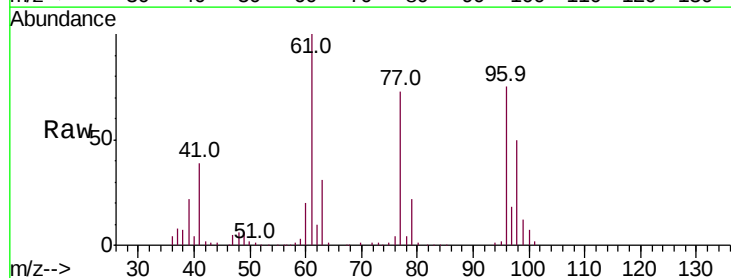
Acq: 13 Jul 2019 04:05

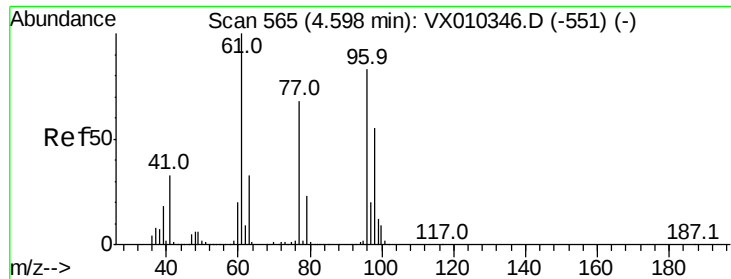
Tgt Ion: 77 Resp: 91139

Ion Ratio Lower Upper

77 100

97 26.6 13.1 39.3





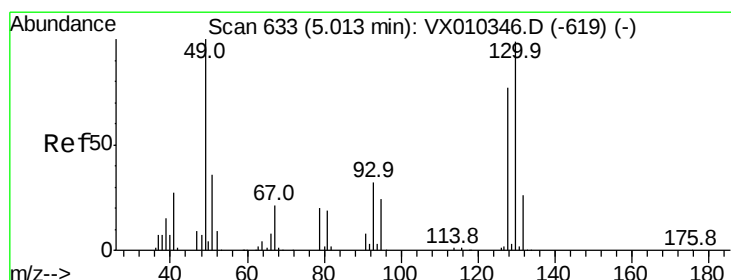
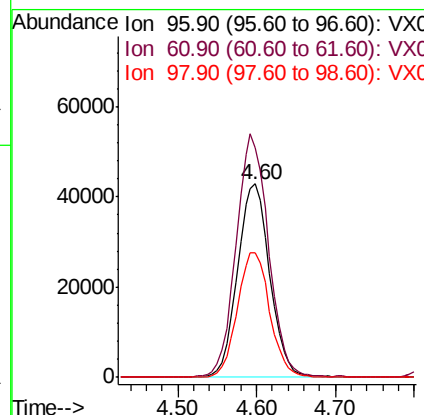
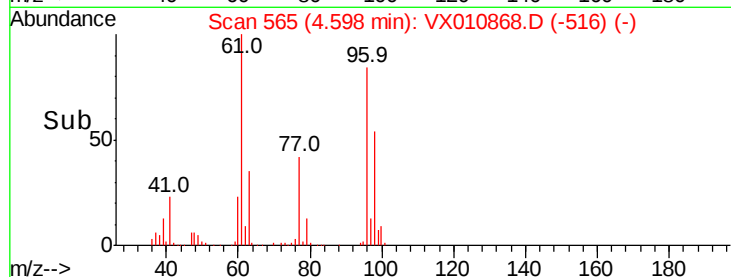
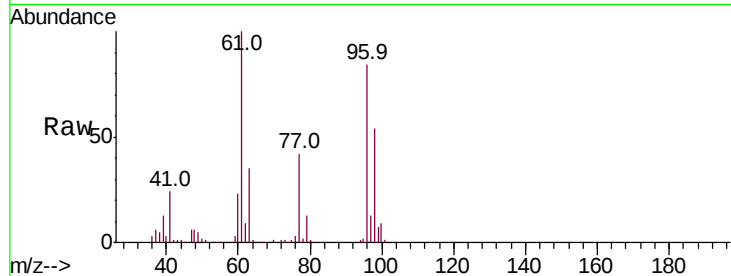
#27
 cis-1,2-Dichloroethene
 Concen: 44.315 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122008		
61	126.3	0.0	251.8	
98	64.9	0.0	129.4	

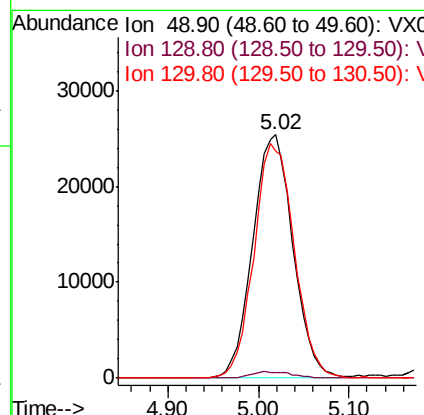
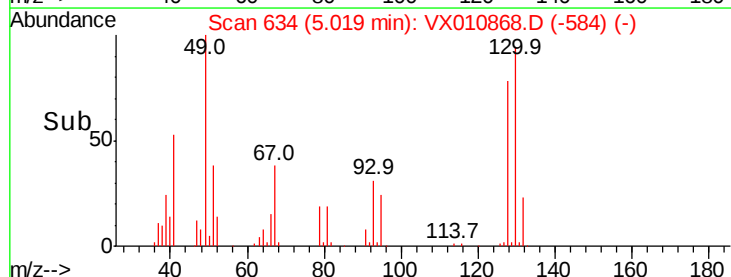
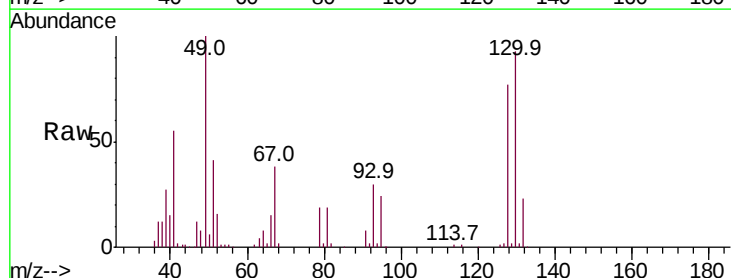
Manual Integrations
 APPROVED

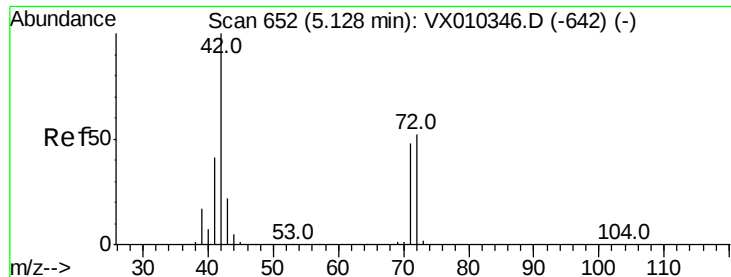
MMDadoda
 7/15/2019 10:59:59 AM



#28
 Bromochloromethane
 Concen: 42.960 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78069		
129	2.6	0.0	5.6	
130	96.3	81.4	122.0	





#29

Tetrahydrofuran

Concen: 235.410 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

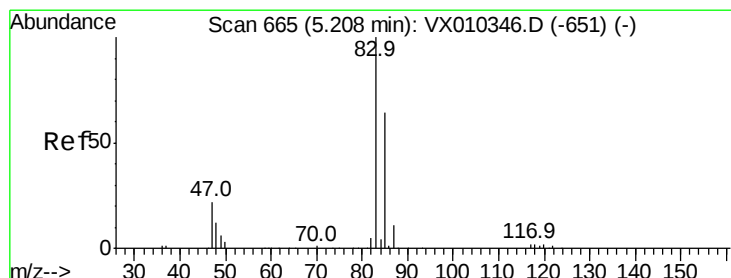
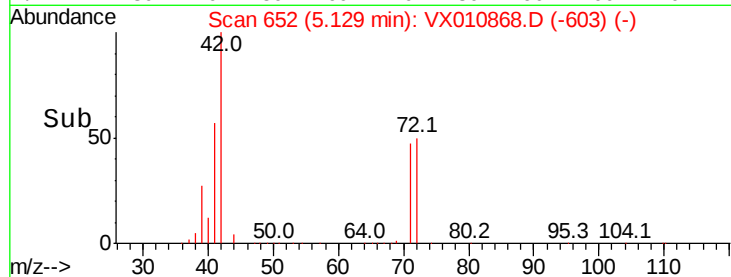
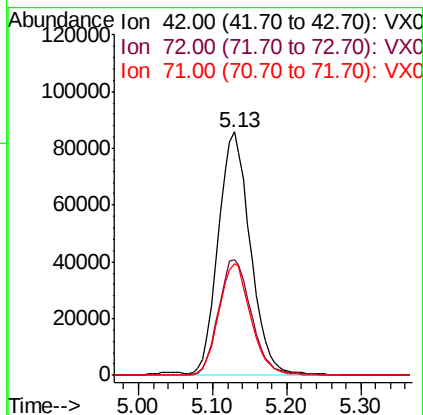
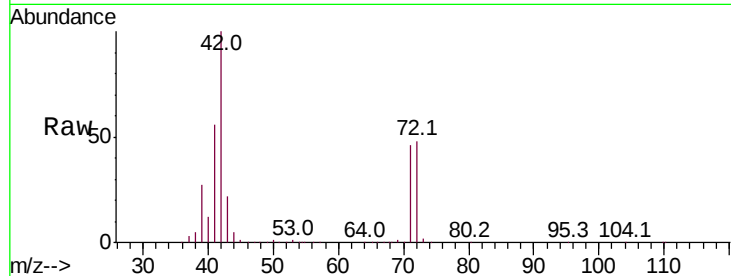
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	256866
Ion Ratio	Lower	Upper	
42	100		
72	49.2	40.6	60.8
71	46.0	37.8	56.8

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#30

Chloroform

Concen: 46.495 ug/l

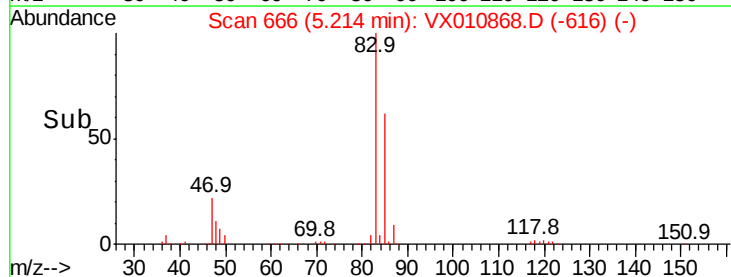
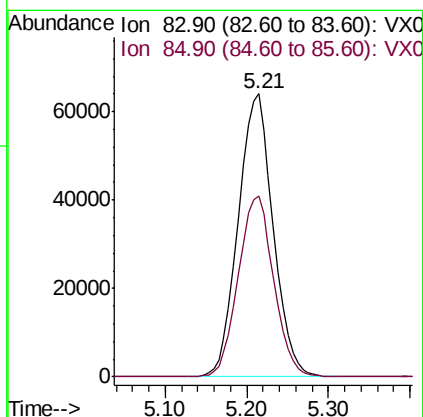
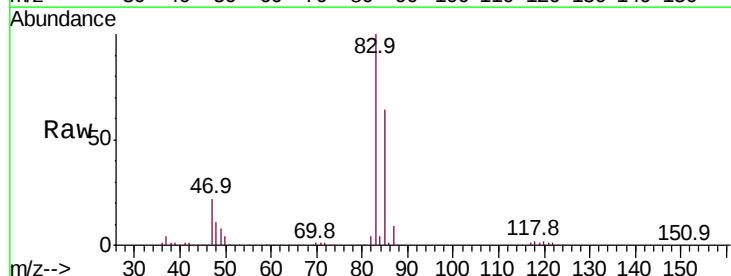
RT: 5.21 min Scan# 666

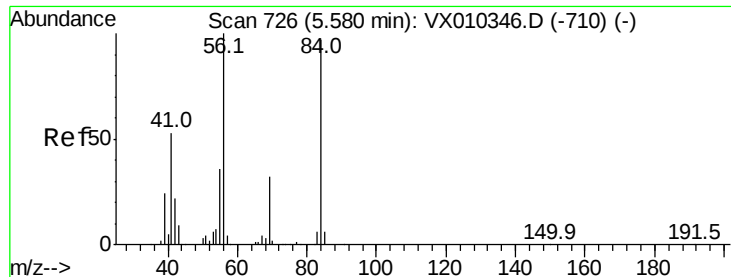
Delta R.T. 0.01 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion:	83	Resp:	190141
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.9	76.3





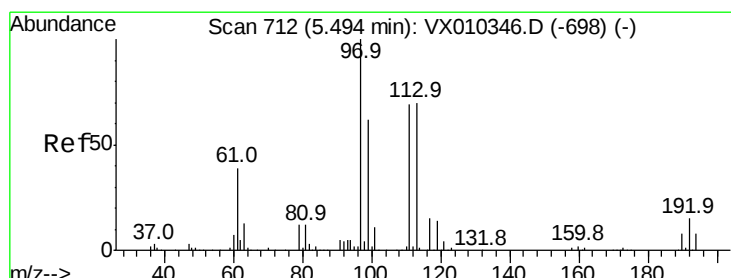
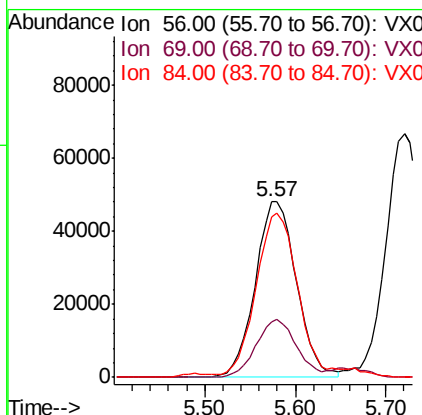
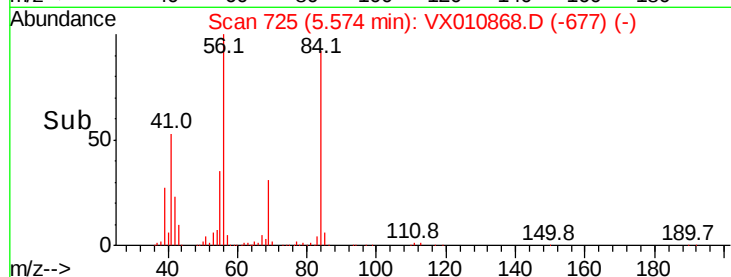
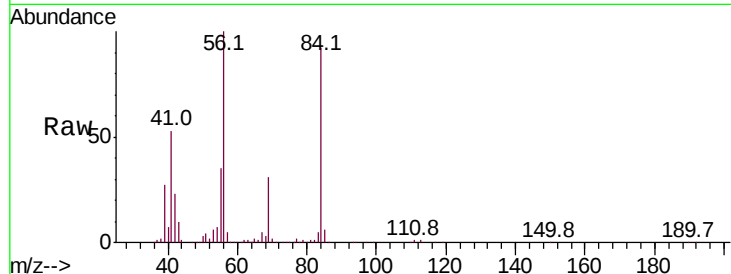
#31
Cyclohexane
Concen: 43.714 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 151302
Ion Ratio Lower Upper
56 100
69 31.2 25.9 38.9
84 89.7 78.0 117.0

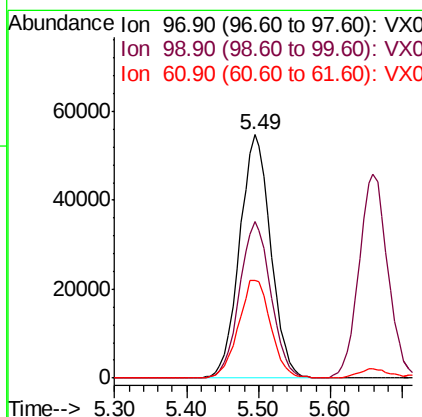
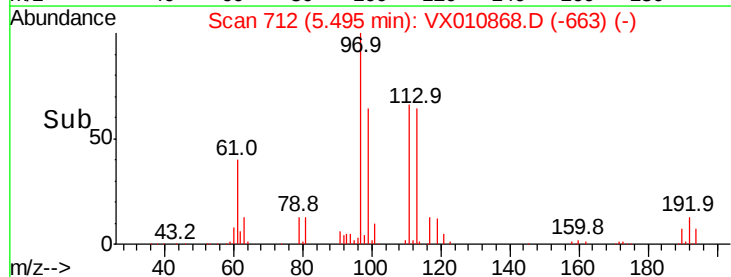
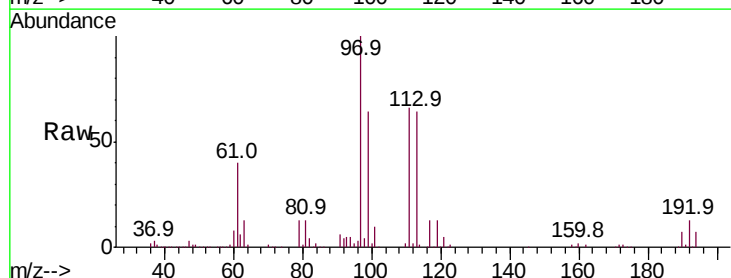
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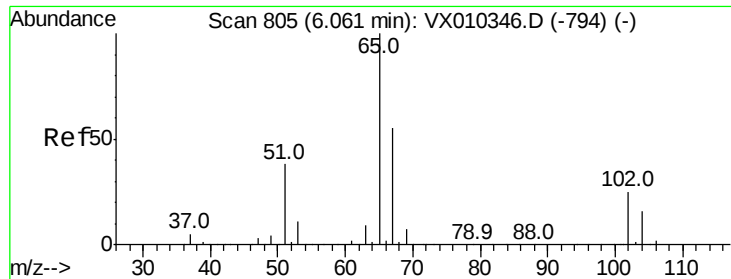
MMDadoda
7/15/2019 10:59:59 AM



#32
1,1,1-Trichloroethane
Concen: 45.516 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion: 97 Resp: 164358
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 41.7 32.1 48.1





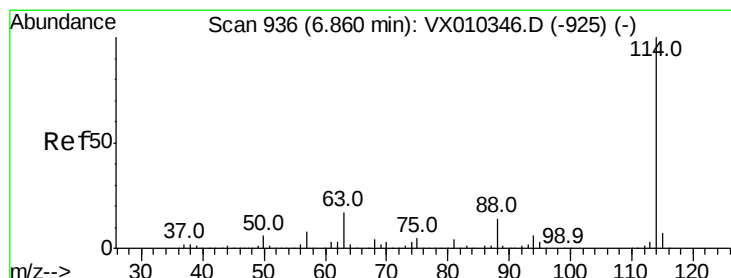
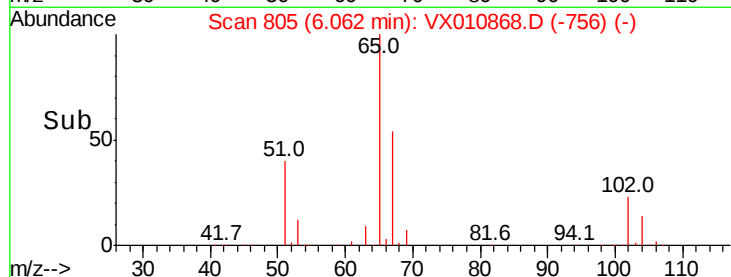
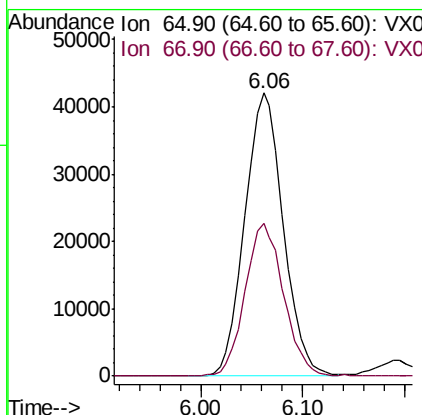
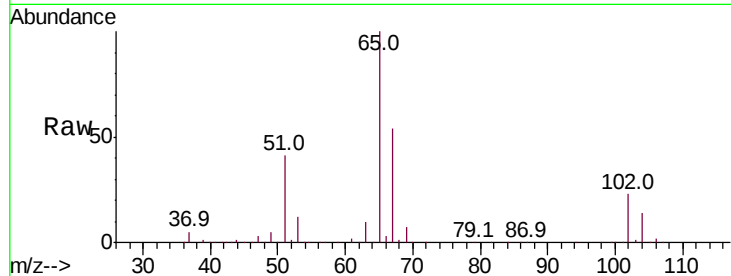
#33
 1,2-Dichloroethane-d4
 Concen: 46.014 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	110.2

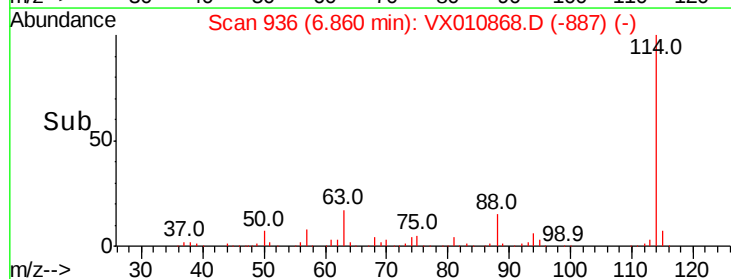
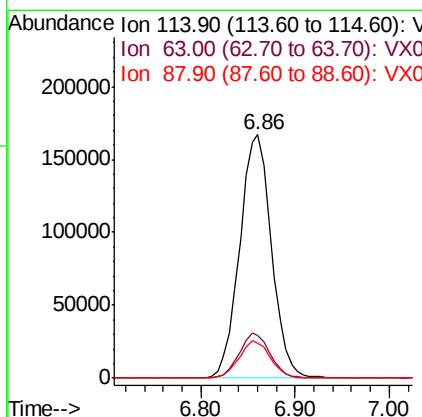
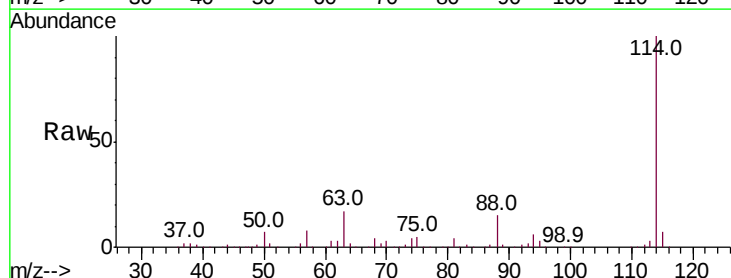
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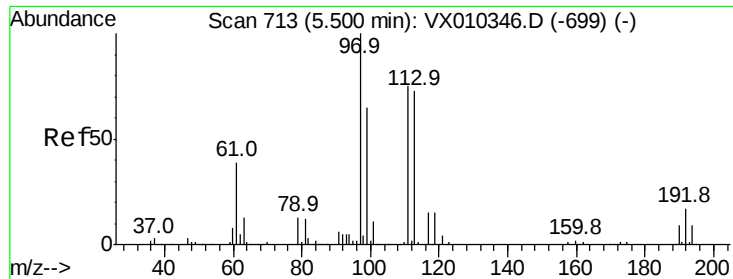
MMDadoda
 7/15/2019 10:59:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	33.8
88	14.5	0.0	27.6





#35

Dibromofluoromethane

Concen: 42.938 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

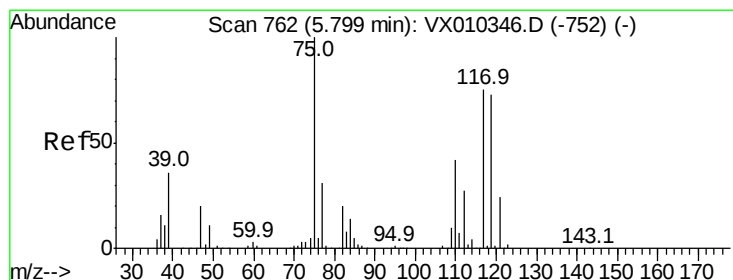
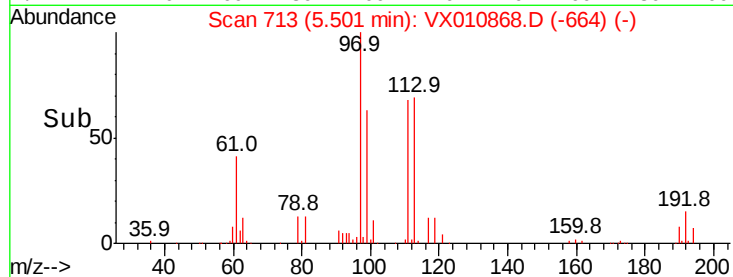
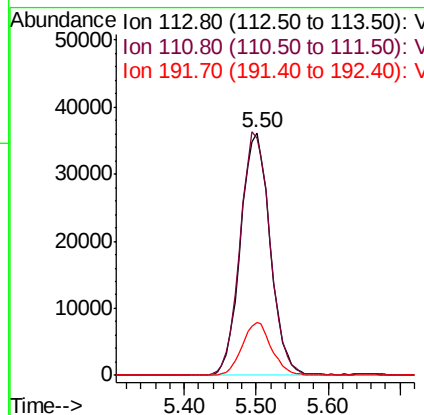
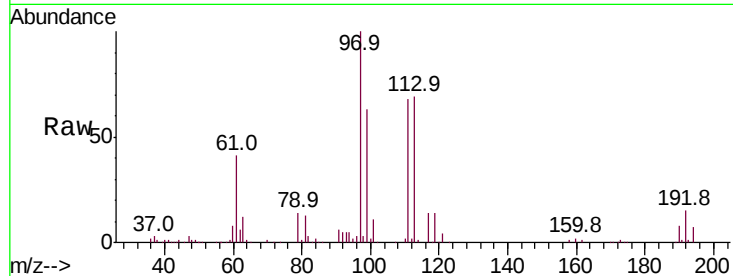
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	103499
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.2	121.8
192	21.7	18.6	27.8

Manual Integrations
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7/15/2019 10:59:59 AM



#36

1,1-Dichloropropene

Concen: 43.117 ug/l

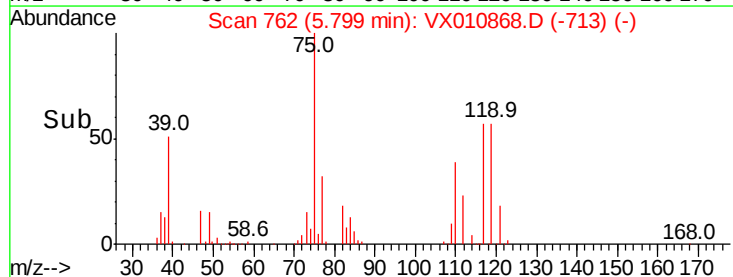
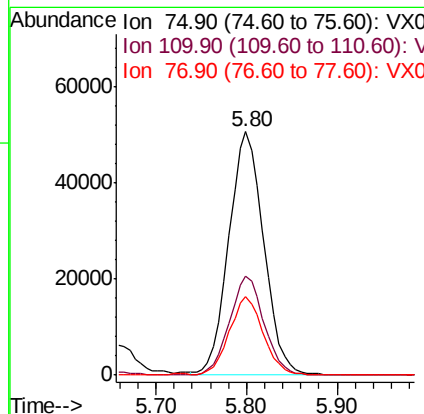
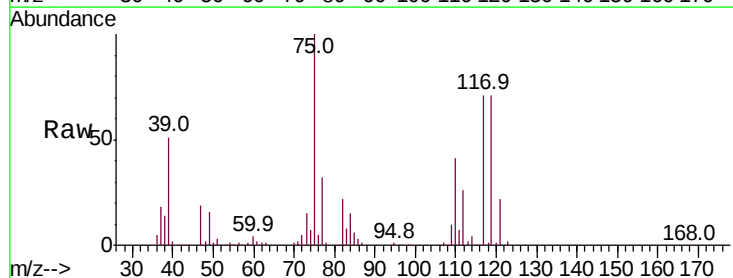
RT: 5.80 min Scan# 762

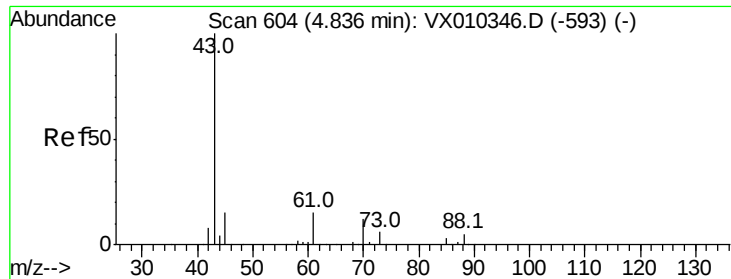
Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion:	75	Resp:	134984
Ion	Ratio	Lower	Upper
75	100		
110	40.4	20.8	62.2
77	31.6	25.4	38.0





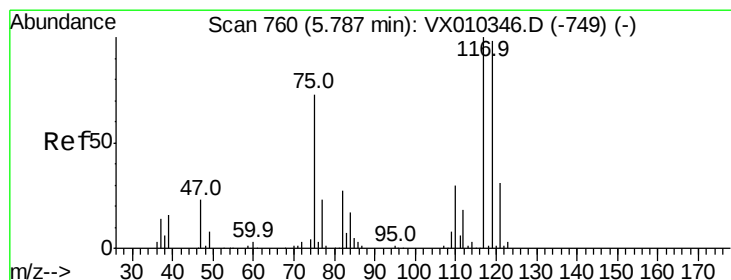
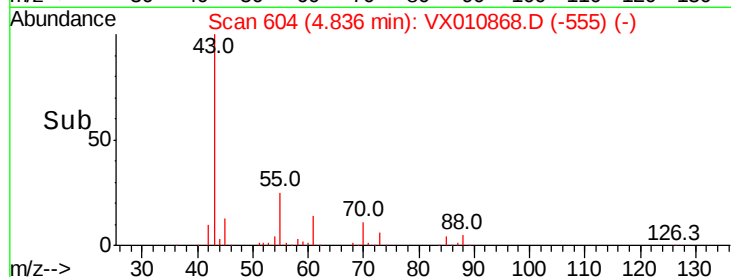
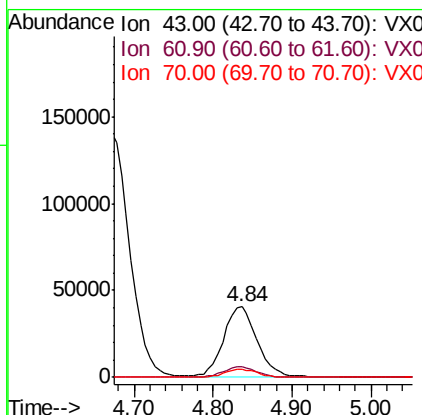
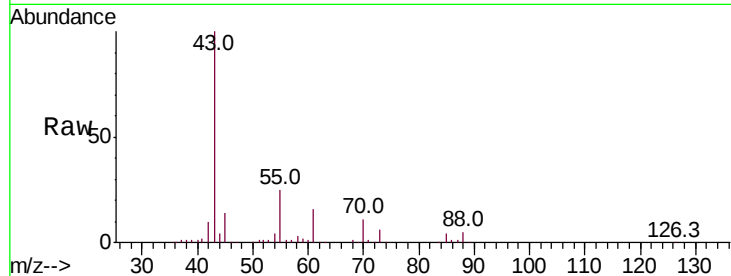
#37
Ethyl Acetate
Concen: 37.196 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.4	18.6
70	11.6	9.8	14.8

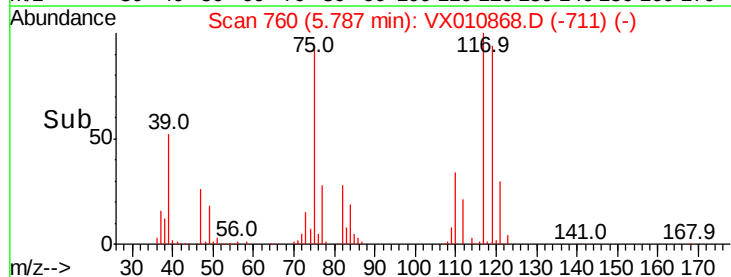
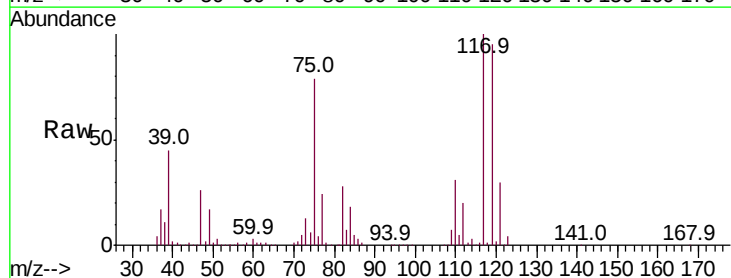
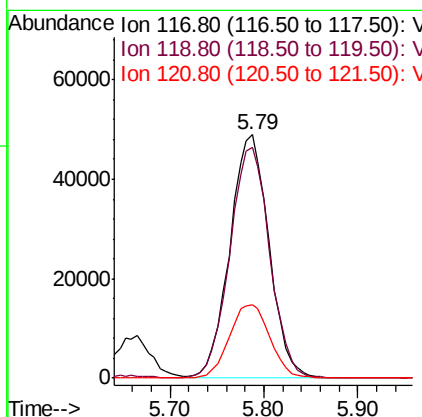
Manual Integrations
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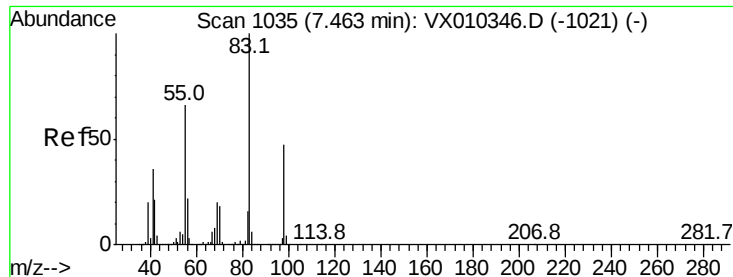
MMDadoda
7/15/2019 10:59:59 AM



#38
Carbon Tetrachloride
Concen: 41.752 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.2	117.4
121	30.3	24.7	37.1





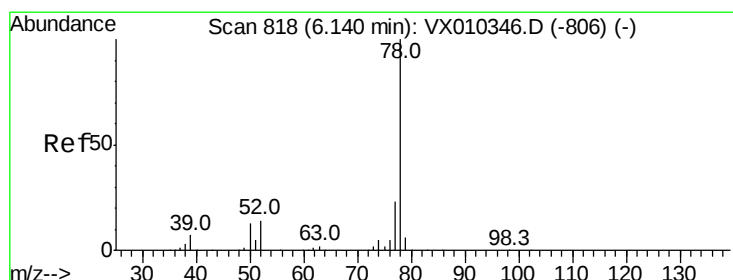
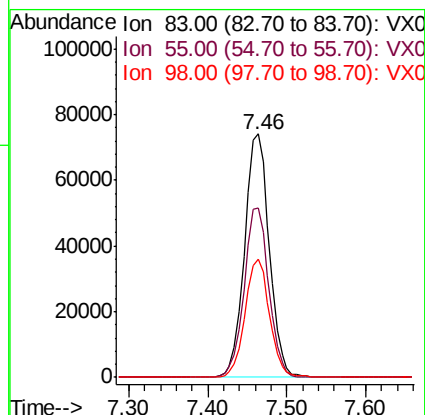
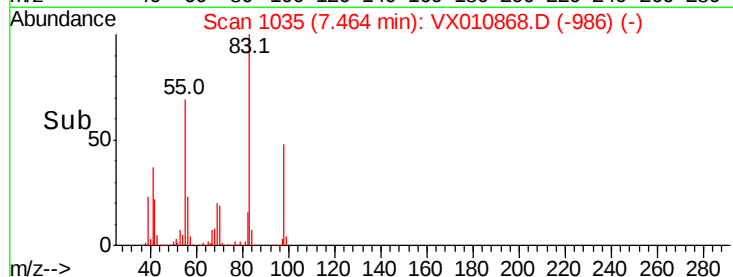
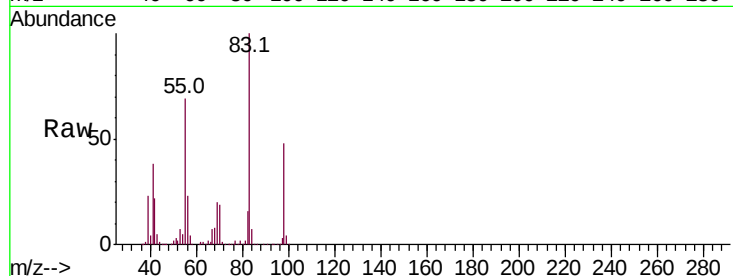
#39
Methvlcvclohexane
Concen: 39.183 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	53.0	79.6
98	48.5	37.8	56.8

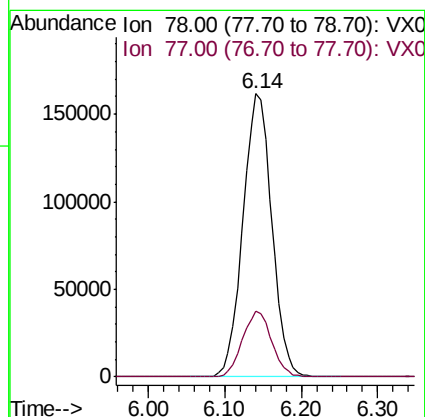
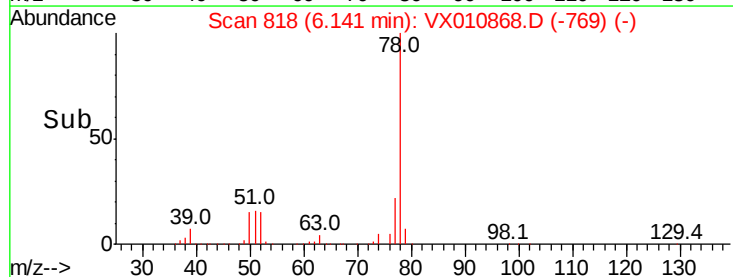
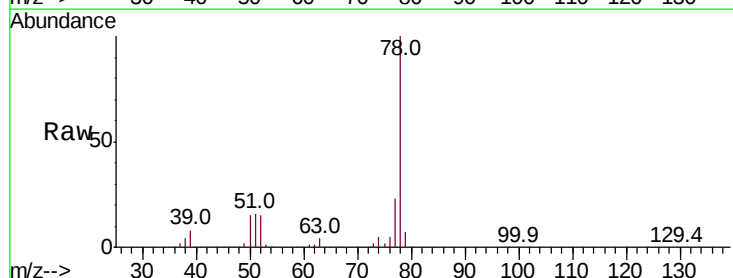
Manual Integrations
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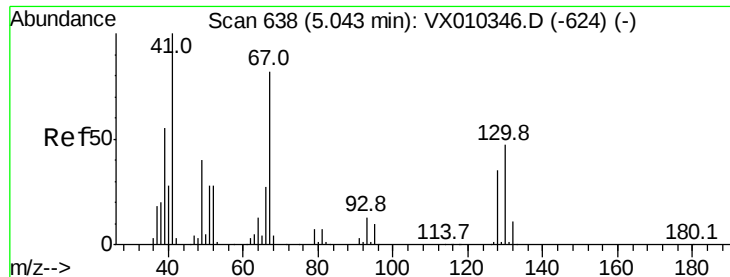
MMDadoda
7/15/2019 10:59:59 AM



#40
Benzene
Concen: 43.507 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





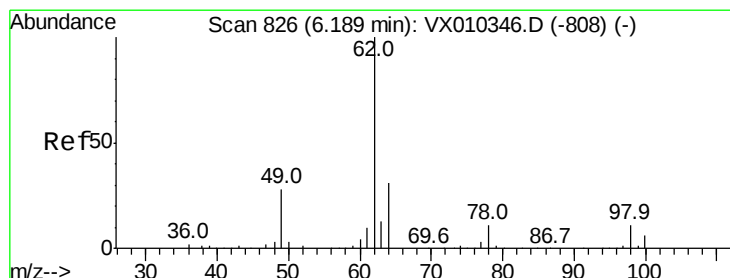
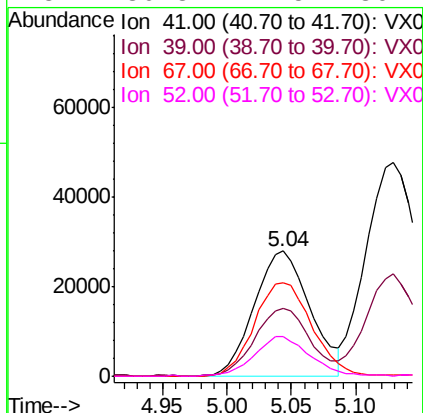
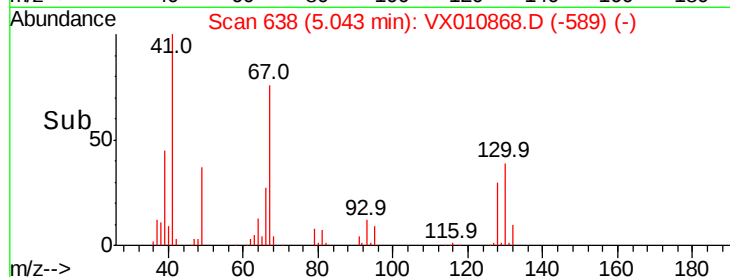
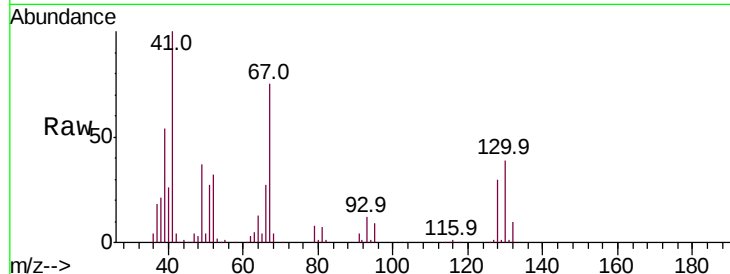
#41
Methacrylonitrile
Concen: 47.278 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.8	65.8
67	78.5	66.6	100.0
52	30.8	24.5	36.7

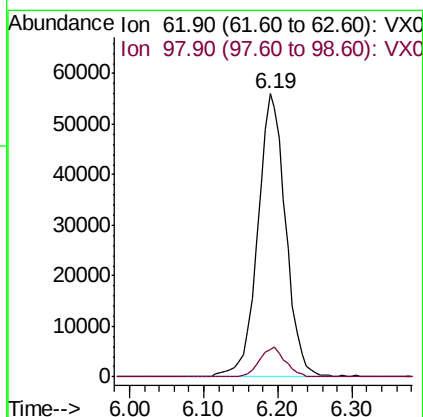
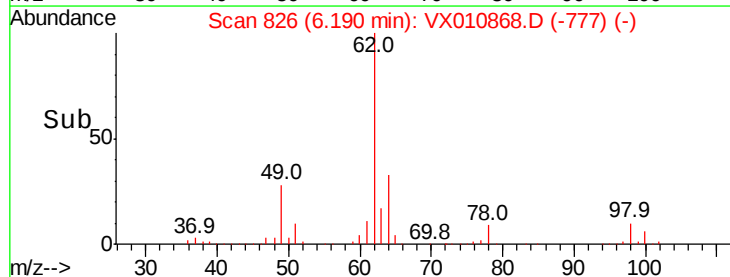
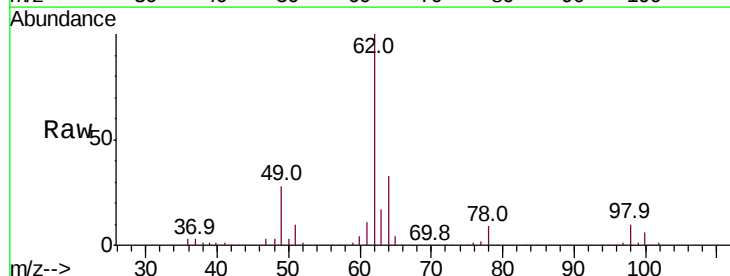
Manual Integrations
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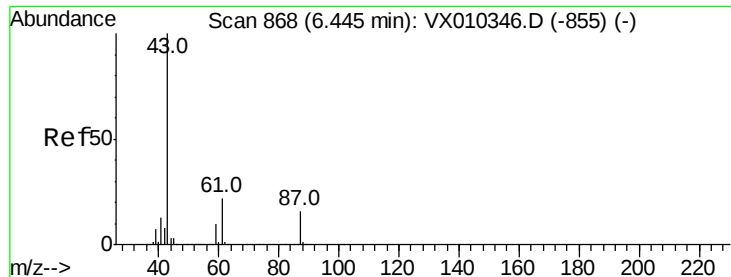
MMDadoda
7/15/2019 10:59:59 AM



#42
1,2-Dichloroethane
Concen: 49.404 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	22.2





#43

Isopropyl Acetate

Concen: 39.664 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

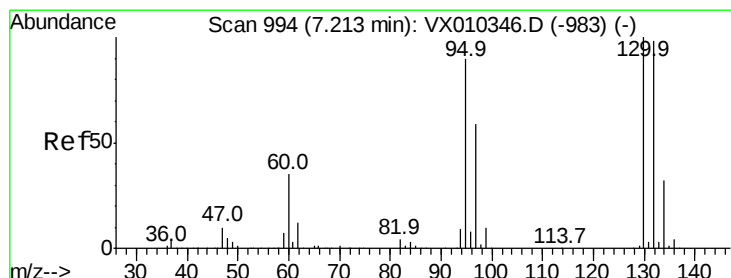
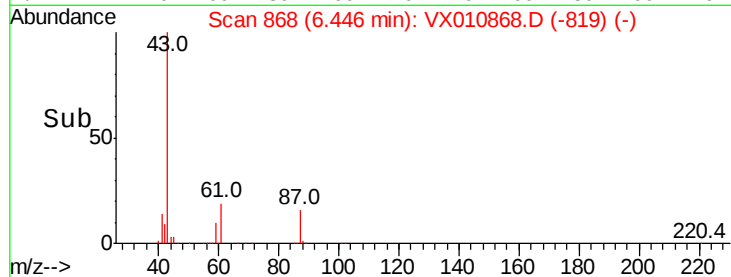
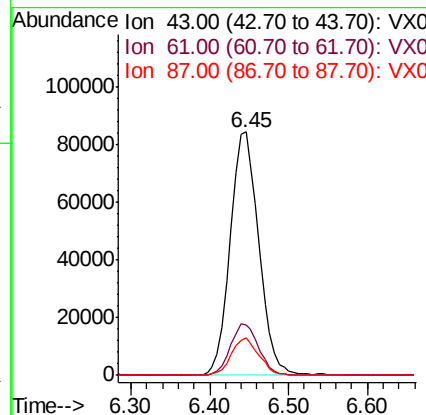
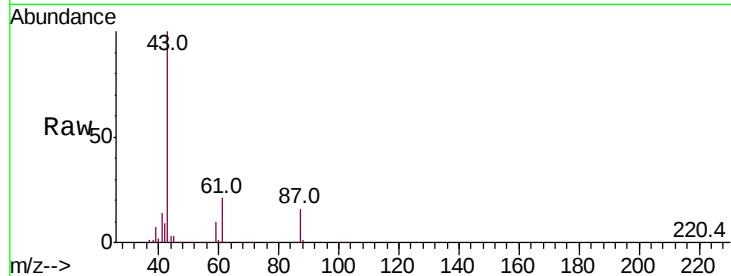
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	211352
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	15.0	13.0	19.4

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7/15/2019 10:59:59 AM



#44

Trichloroethene

Concen: 42.036 ug/l

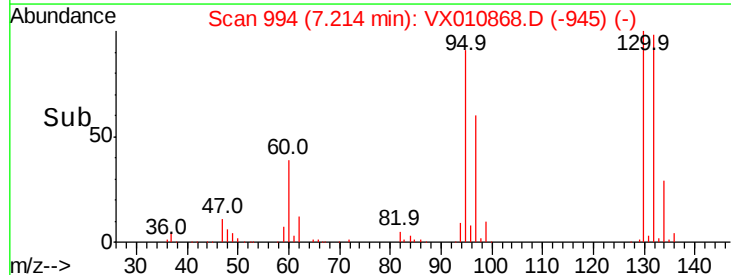
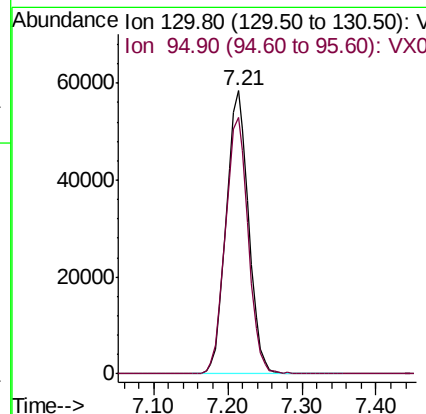
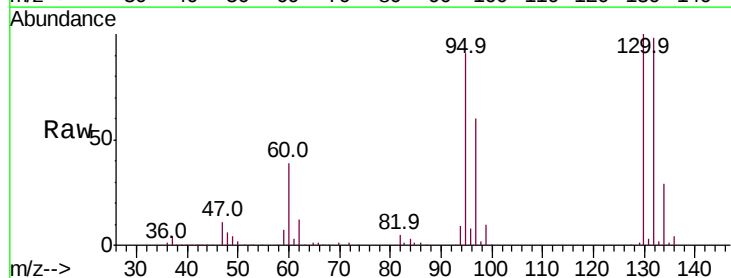
RT: 7.21 min Scan# 994

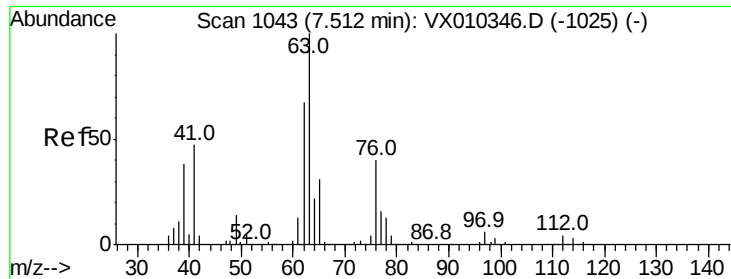
Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion:	130	Resp:	122682
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	180.8





#45

1,2-Dichloropropane

Concen: 43.936 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 108216

Ion Ratio Lower Upper

63 100

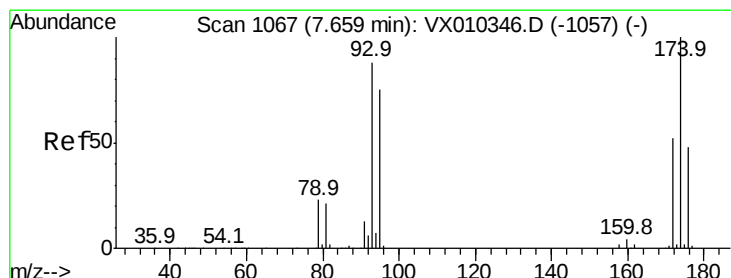
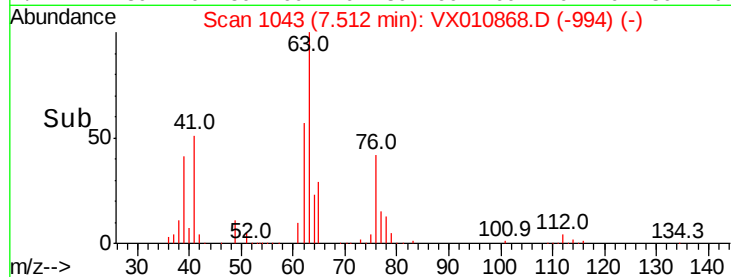
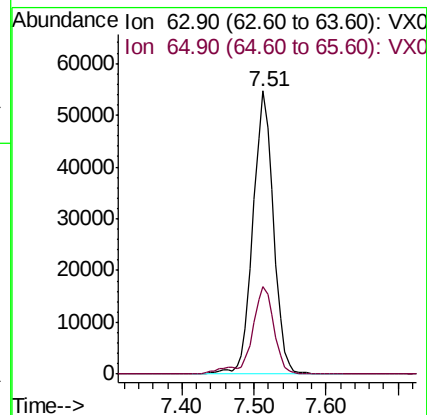
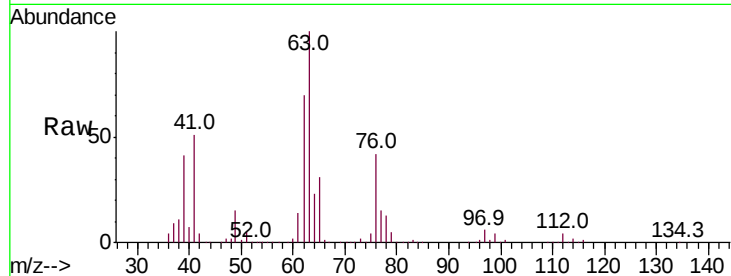
65 30.8 24.8 37.2

Manual Integrations

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MMDadoda

7/15/2019 10:59:59 AM



#46

Dibromomethane

Concen: 44.617 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

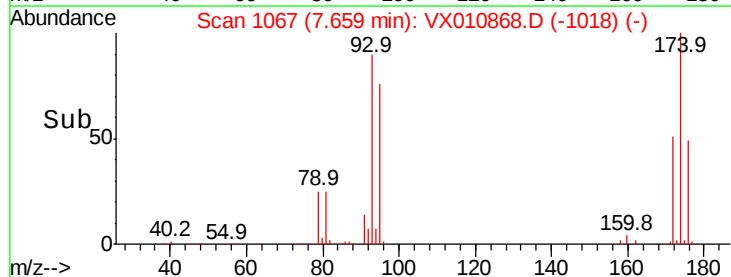
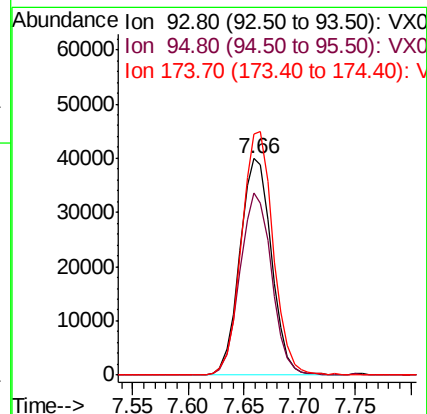
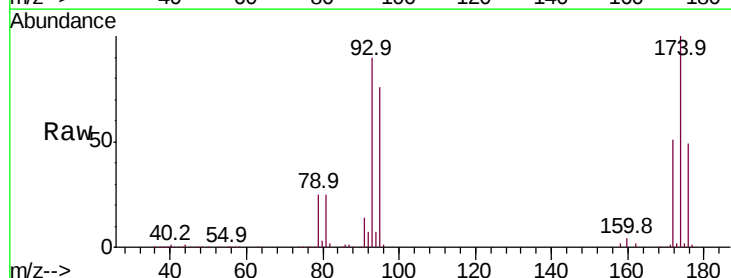
Tgt Ion: 93 Resp: 78846

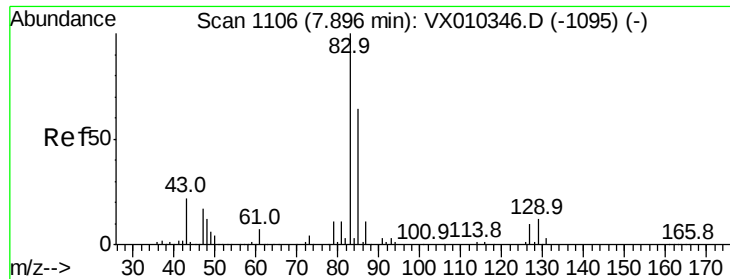
Ion Ratio Lower Upper

93 100

95 83.9 67.5 101.3

174 112.7 95.8 143.6





#47

Bromodichloromethane

Concen: 44.117 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 142875

Ion Ratio Lower Upper

83 100

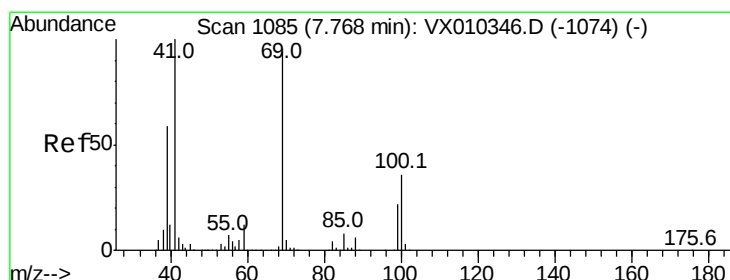
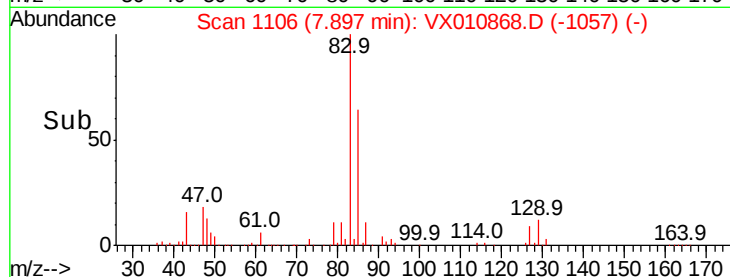
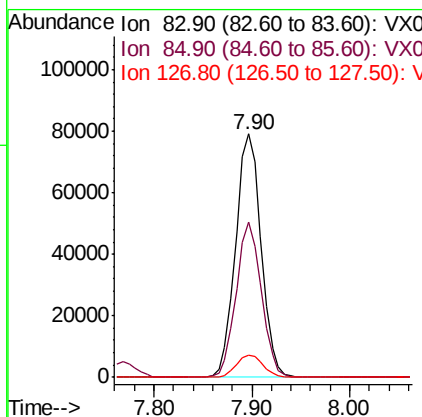
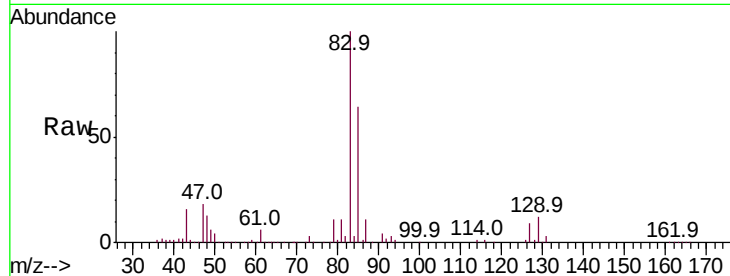
85 64.0 51.5 77.3

127 9.4 7.8 11.8

Manual Integrations
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MMDadoda

7/15/2019 10:59:59 AM



#48

Methyl methacrylate

Concen: 47.807 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

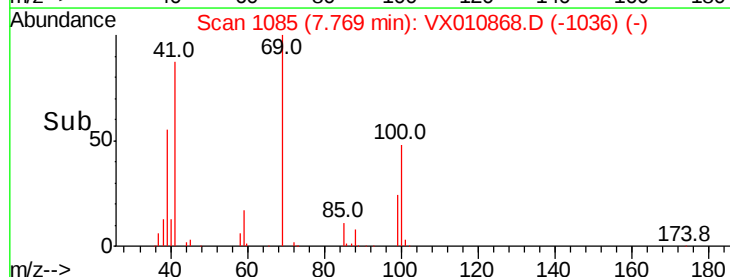
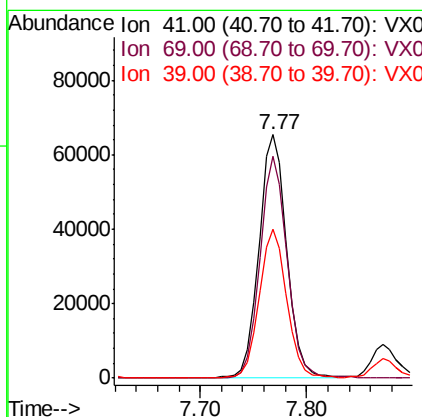
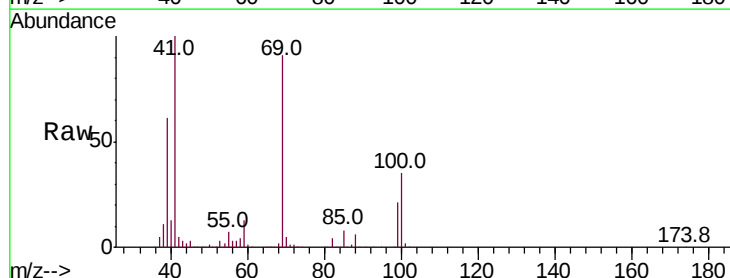
Tgt Ion: 41 Resp: 118410

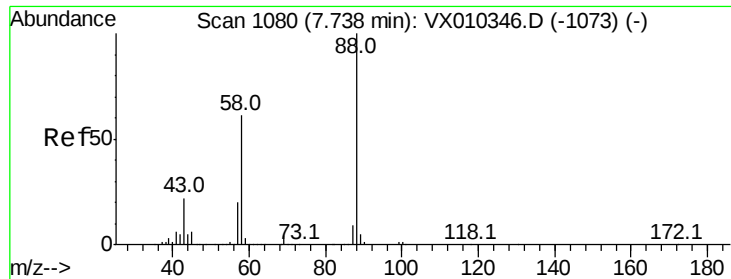
Ion Ratio Lower Upper

41 100

69 89.6 76.1 114.1

39 60.5 47.6 71.4





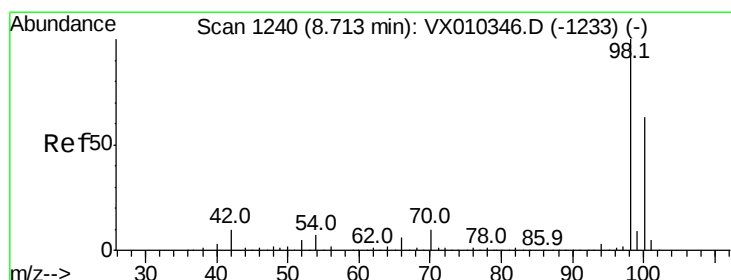
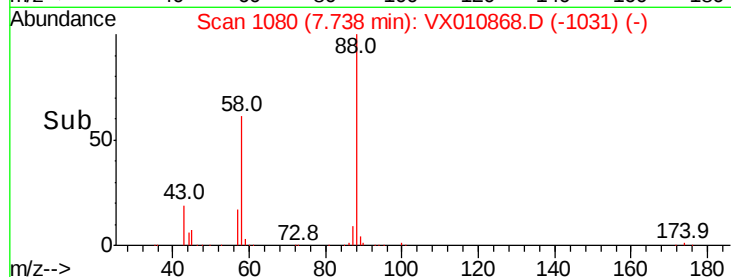
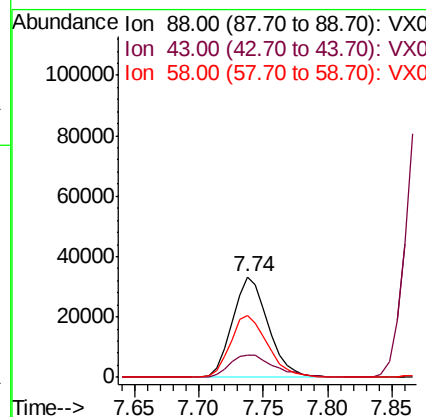
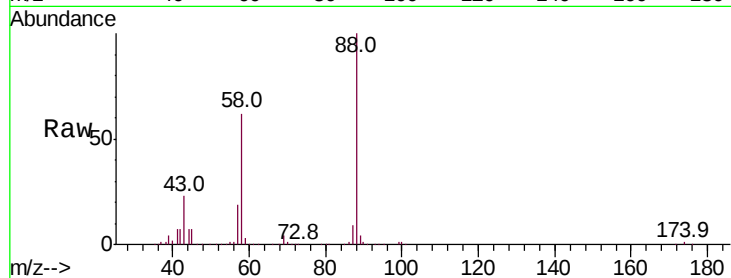
#49
1,4-Dioxane
Concen: 905.429 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	20.2	30.2
58	64.5	49.5	74.3

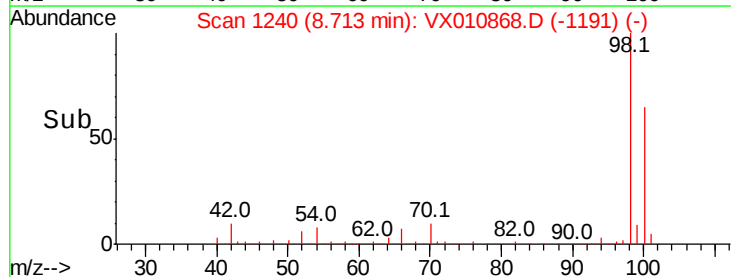
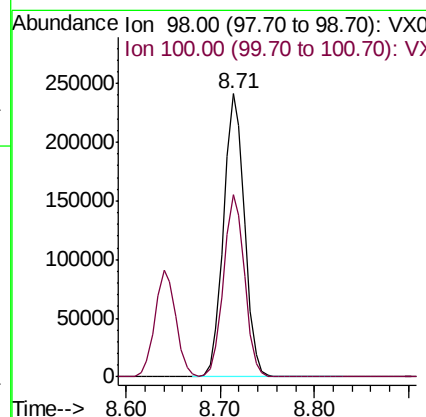
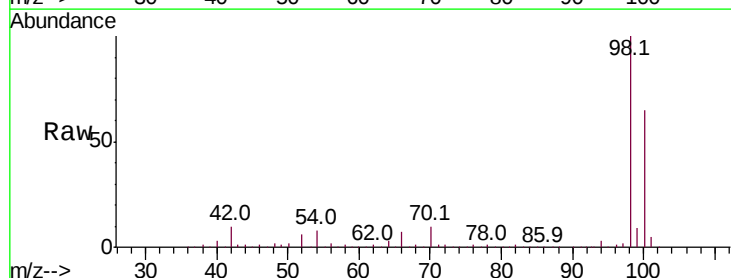
Manual Integrations
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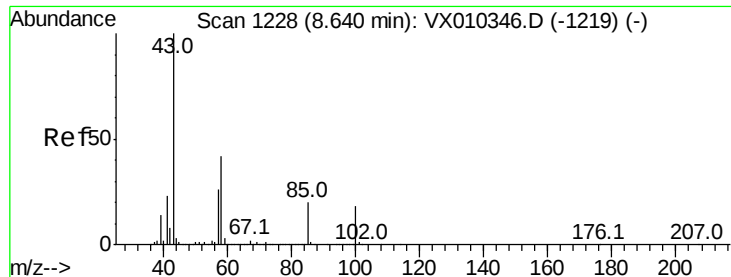
MMDadoda
7/15/2019 10:59:59 AM



#50
Toluene-d8
Concen: 40.249 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





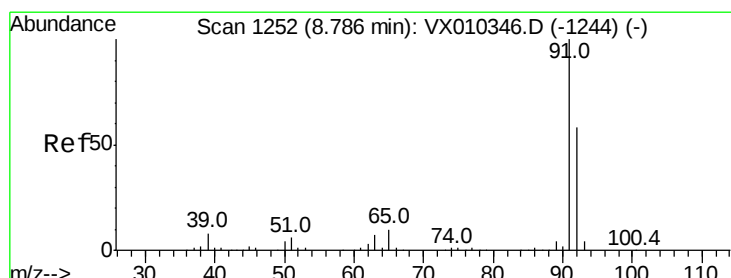
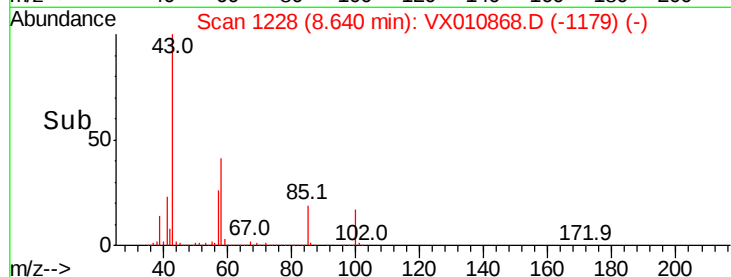
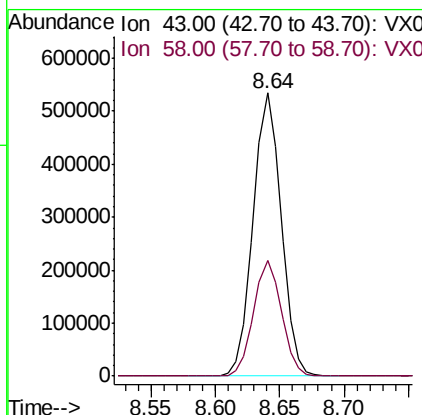
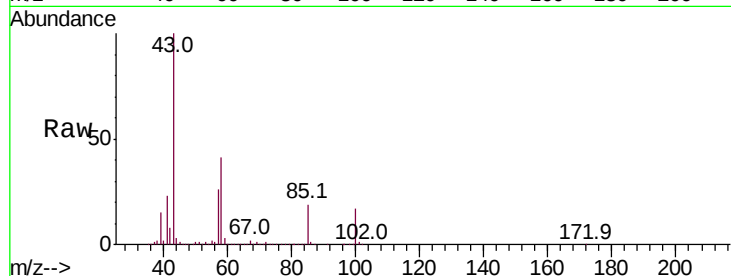
#51
4-Methyl-2-Pentanone
Concen: 235.872 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.8	33.5	50.3

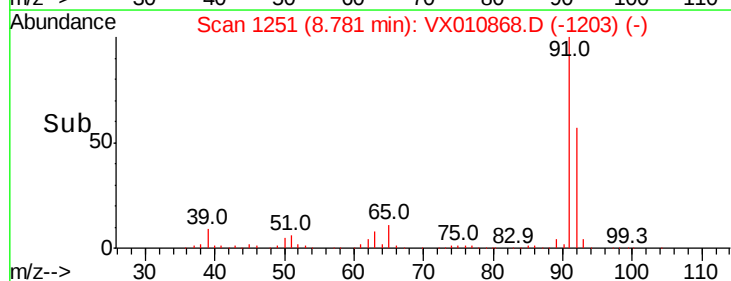
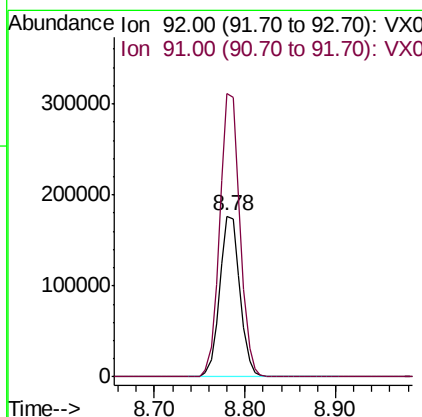
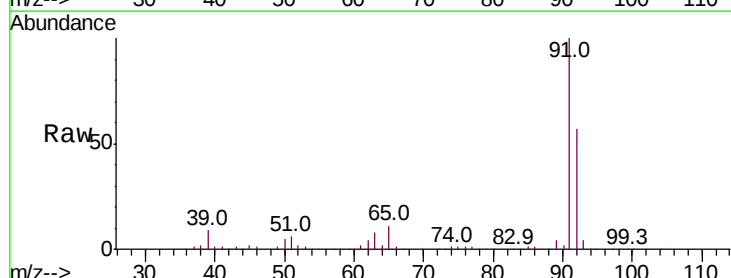
Manual Integrations
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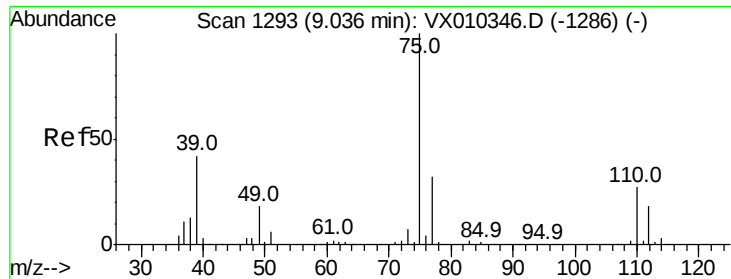
MMDadoda
7/15/2019 10:59:59 AM



#52
Toluene
Concen: 42.735 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.8	209.6





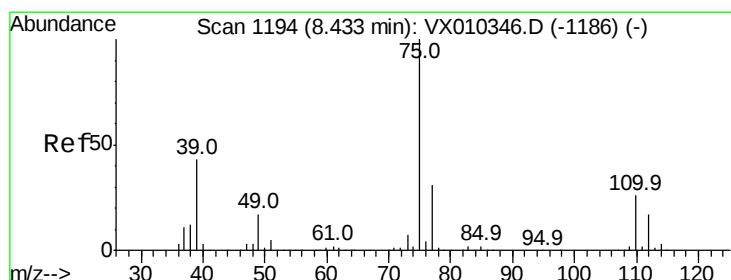
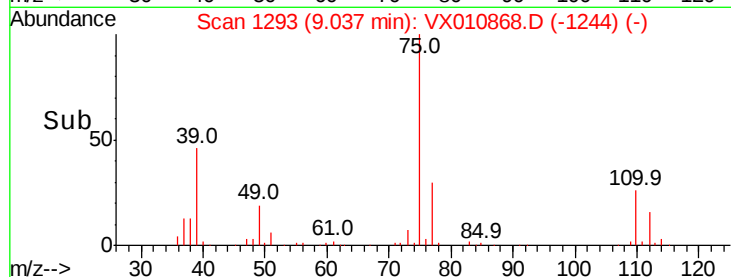
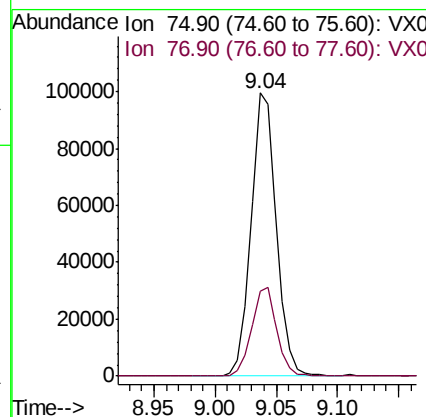
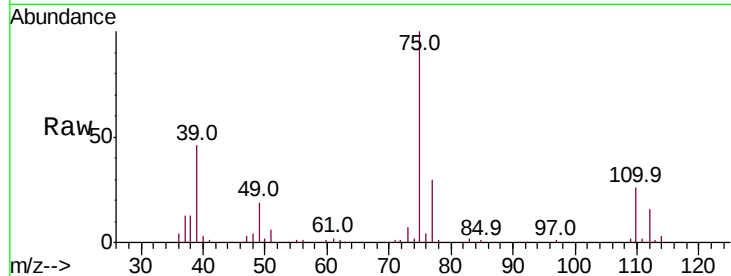
#53
t-1,3-Dichloropropene
Concen: 39.391 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 143025
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.2

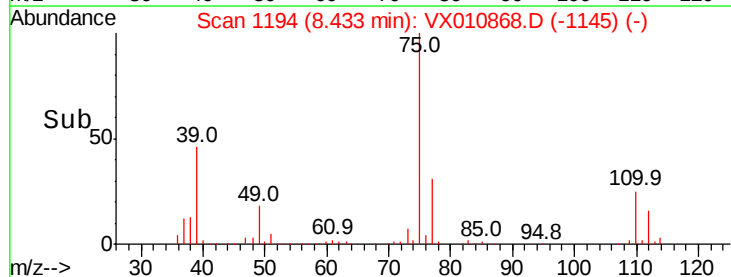
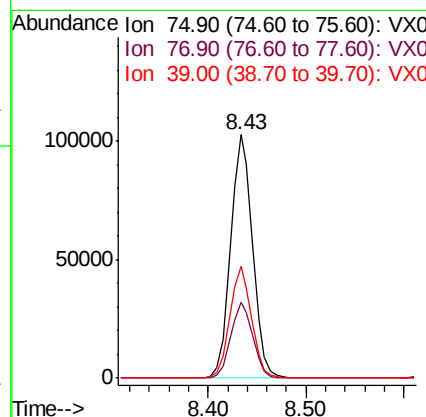
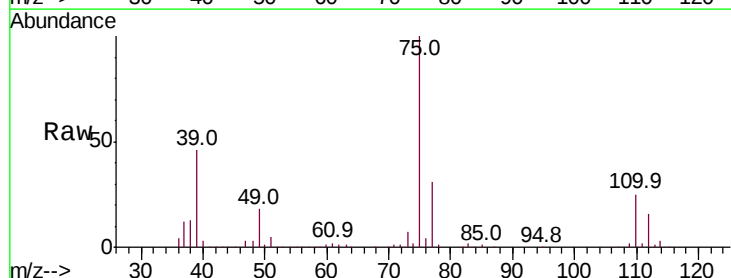
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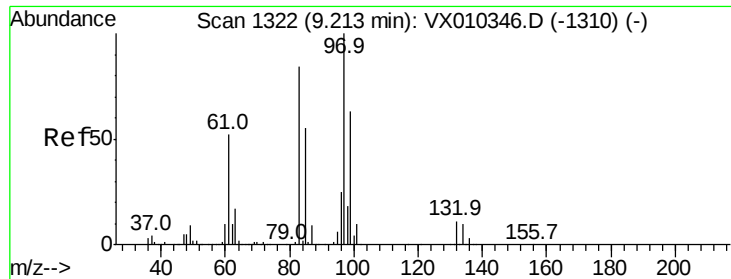
MMDadoda
7/15/2019 10:59:59 AM



#54
cis-1,3-Dichloropropene
Concen: 40.312 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion: 75 Resp: 159062
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 45.9 34.5 51.7





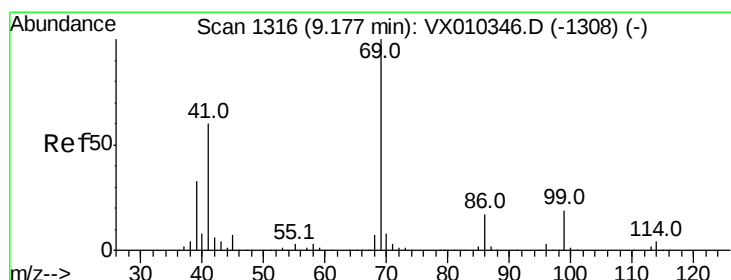
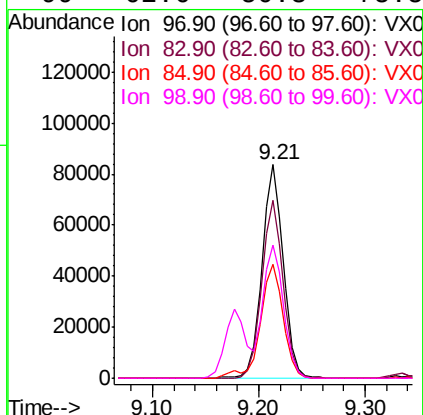
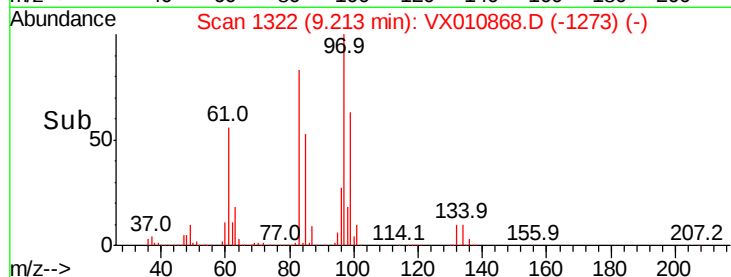
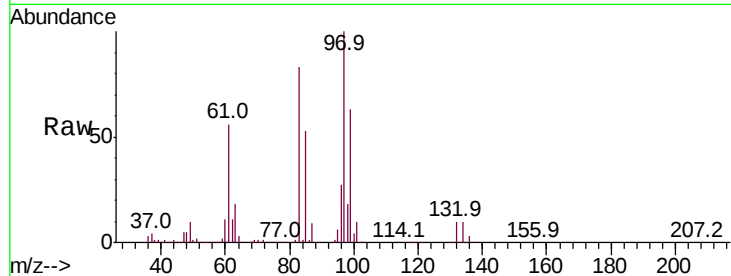
#55
 1,1,2-Trichloroethane
 Concen: 44.114 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	53.3	43.8	65.8
99	62.6	50.3	75.5

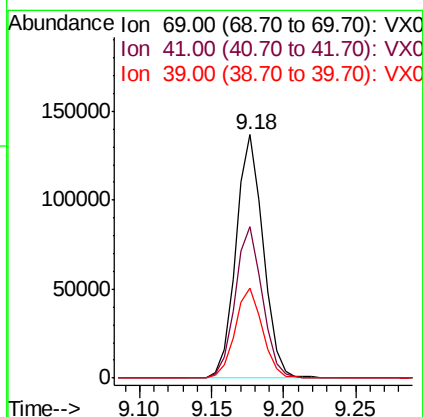
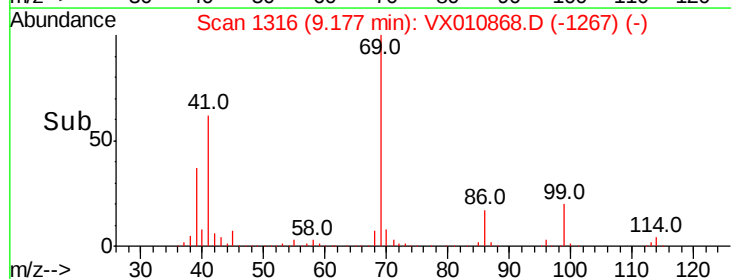
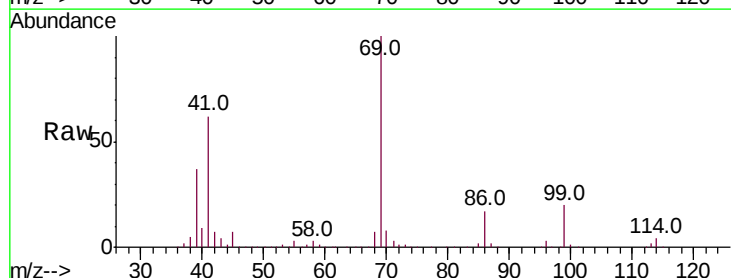
Manual Integrations
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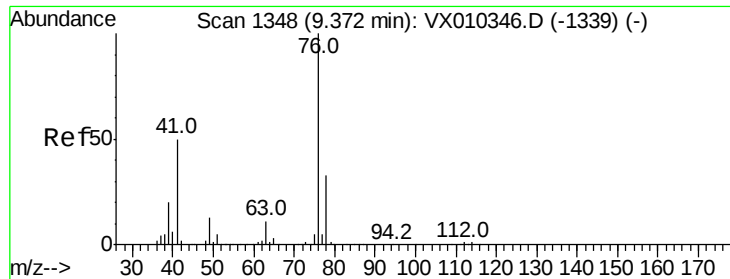
MMDadoda
 7/15/2019 10:59:59 AM



#56
 Ethyl methacrylate
 Concen: 45.048 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.9	47.1	70.7
39	36.9	26.6	40.0





#57

1,3-Dichloropropane

Concen: 45.270 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 186154

Ion Ratio Lower Upper

76 100

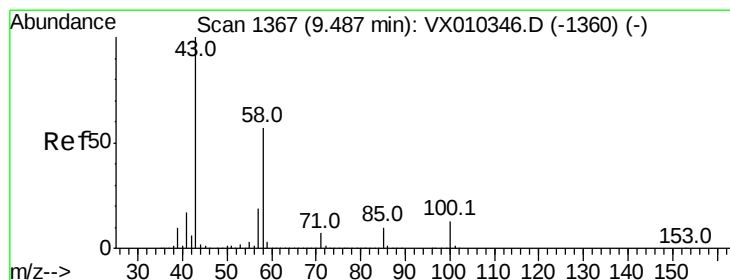
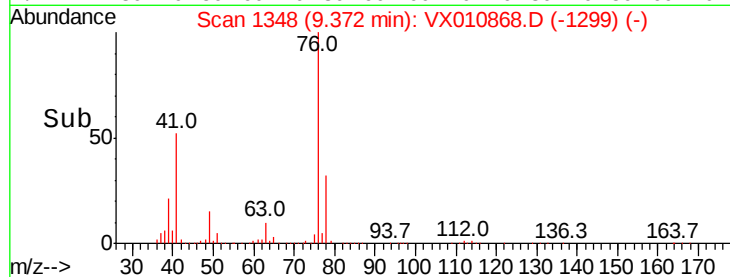
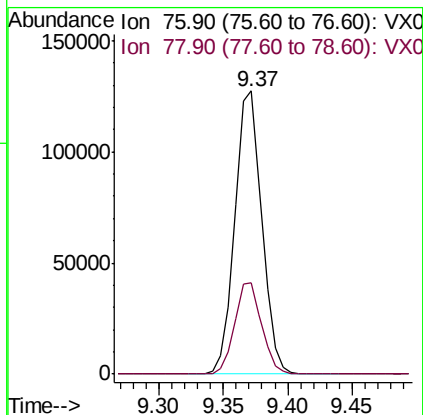
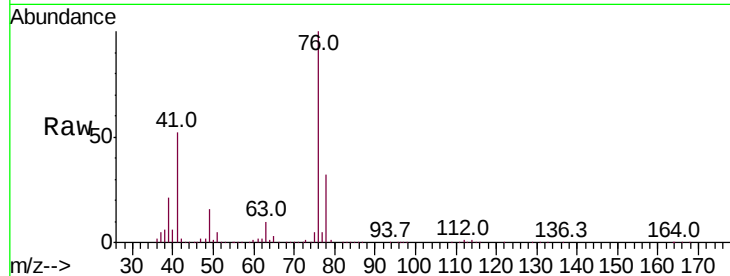
78 32.4 26.1 39.1

Manual Integrations

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MMDadoda

7/15/2019 10:59:59 AM



#59

2-Hexanone

Concen: 233.481 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX010868.D

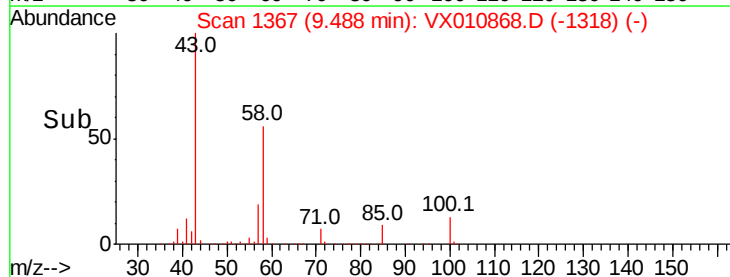
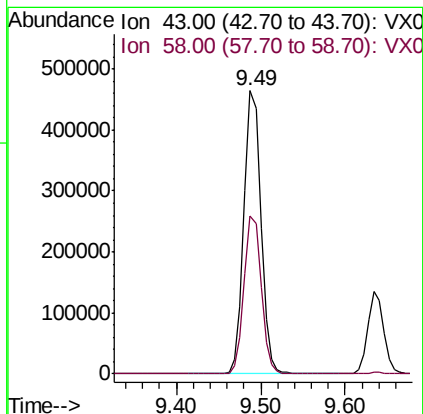
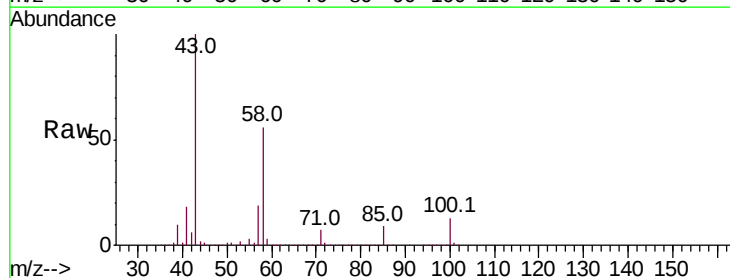
Acq: 13 Jul 2019 04:05

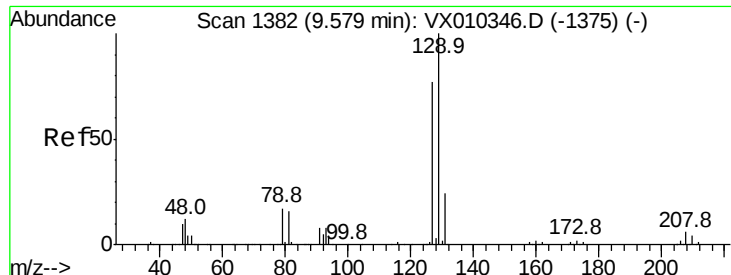
Tgt Ion: 43 Resp: 626243

Ion Ratio Lower Upper

43 100

58 56.3 29.0 87.1





#60

Dibromochloromethane

Concen: 41.537 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:129 Resp: 123200

Ion Ratio Lower Upper

129 100

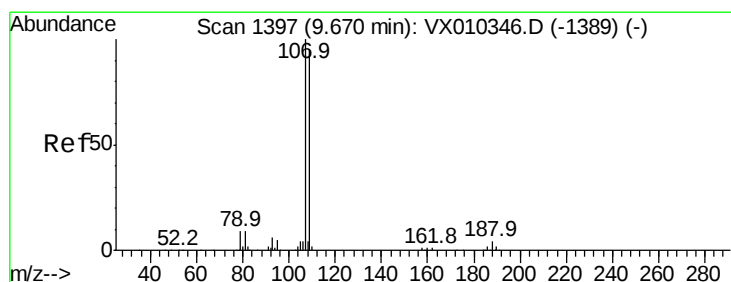
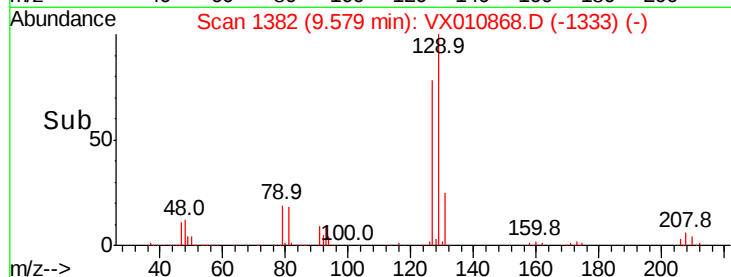
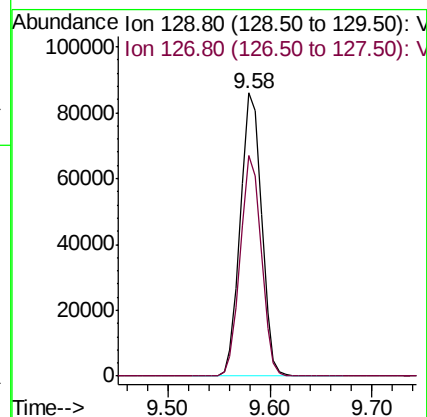
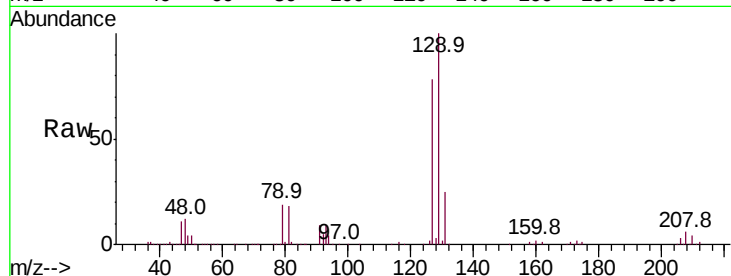
127 76.9 38.4 115.1

Manual Integrations

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7/15/2019 10:59:59 AM



#61

1,2-Dibromoethane

Concen: 44.137 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010868.D

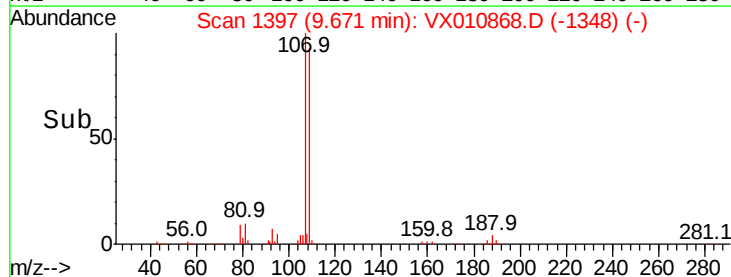
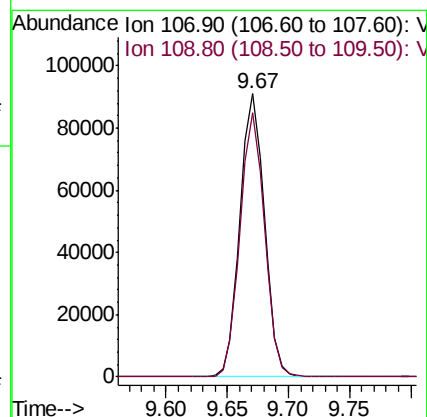
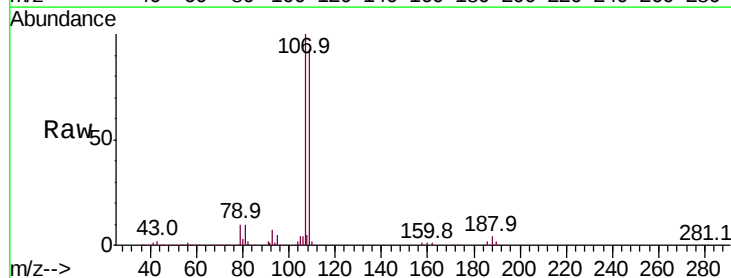
Acq: 13 Jul 2019 04:05

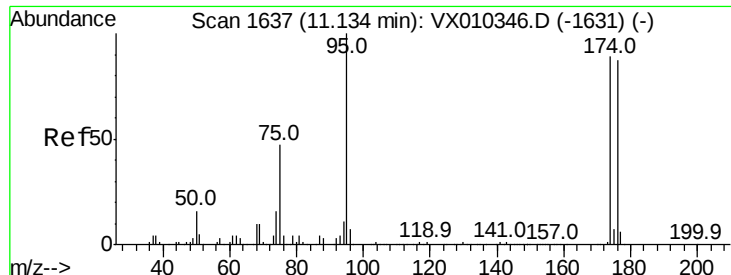
Tgt Ion:107 Resp: 126201

Ion Ratio Lower Upper

107 100

109 93.4 75.8 113.6





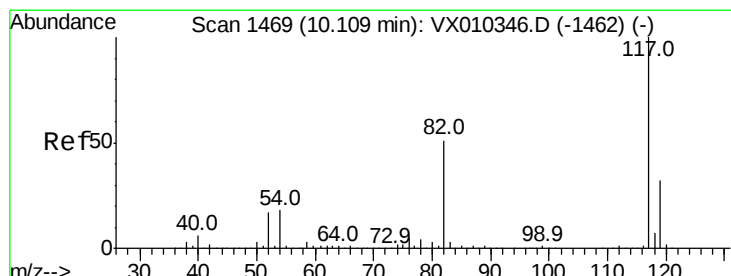
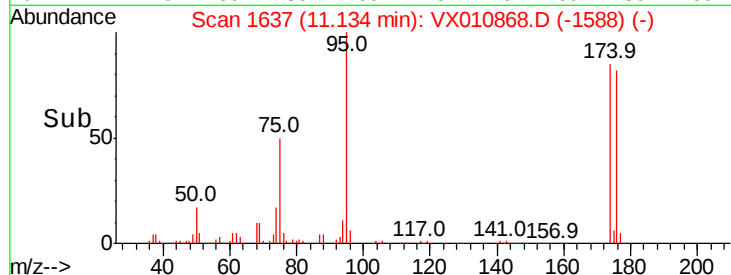
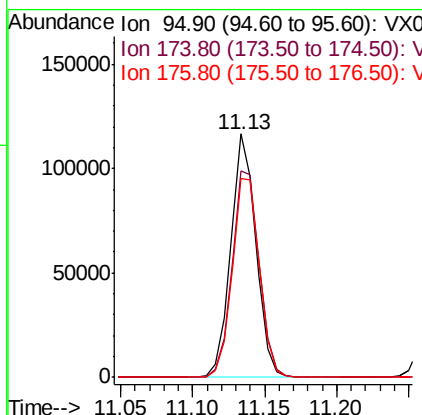
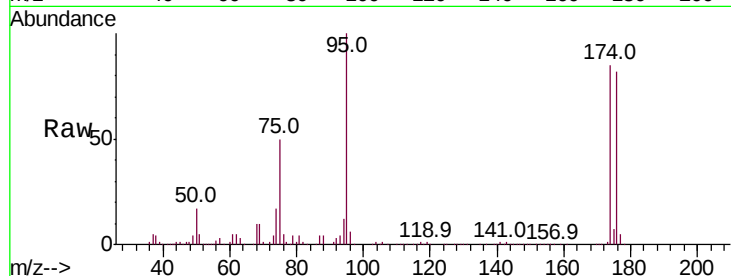
#62
4-Bromofluorobenzene
Concen: 43.111 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
174	90.7	0.0	187.6	
176	87.9	0.0	184.0	

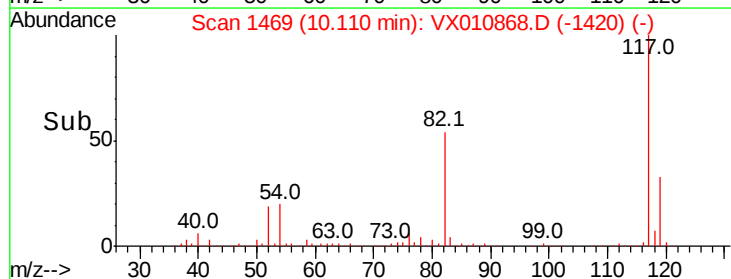
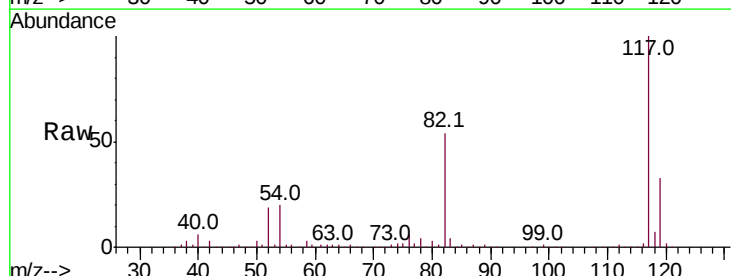
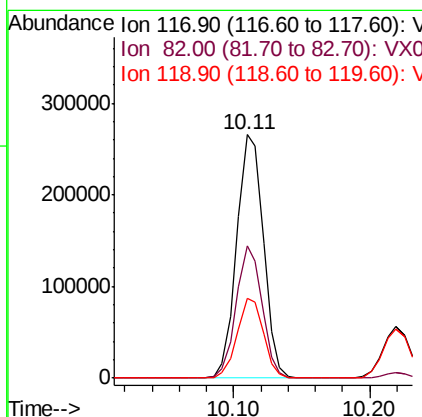
Manual Integrations
APPROVED

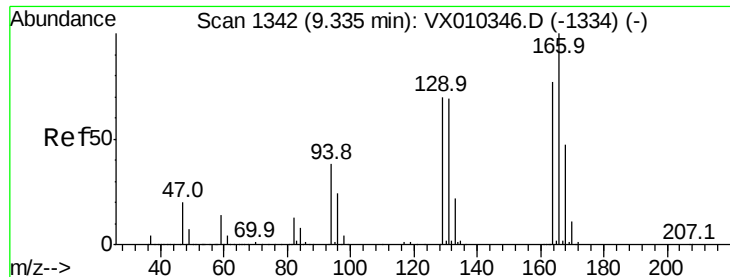
MMDadoda
7/15/2019 10:59:59 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
82	54.3	41.2	61.8	
119	32.6	25.5	38.3	





#64

Tetrachloroethene

Concen: 37.883 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:164 Resp: 111542

Ion Ratio Lower Upper

164 100

166 127.1 103.6 155.4

129 91.9 73.0 109.4

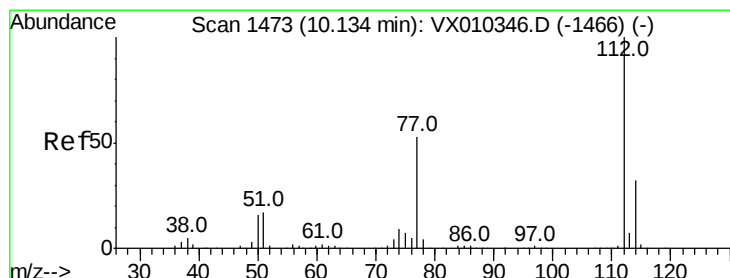
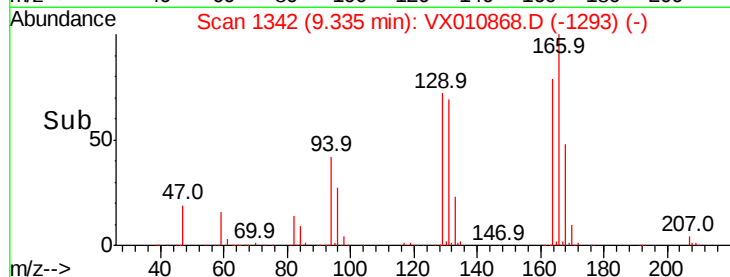
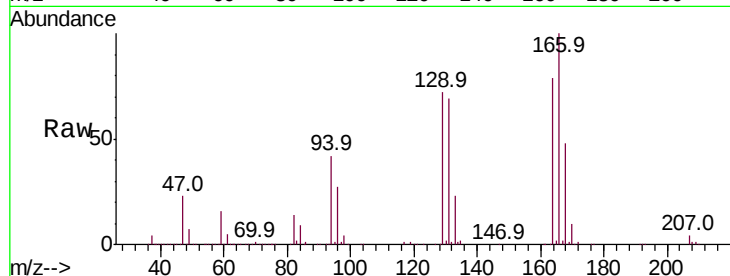
131 88.0 71.0 106.4

Manual Integrations

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#65

Chlorobenzene

Concen: 42.372 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010868.D

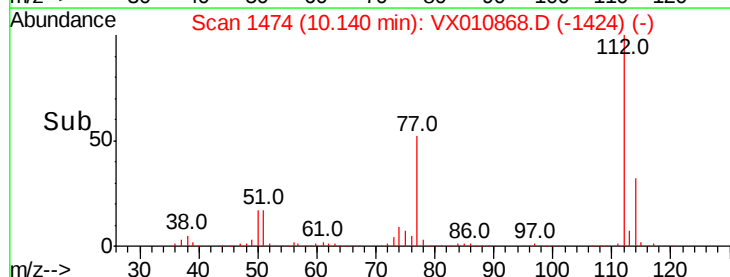
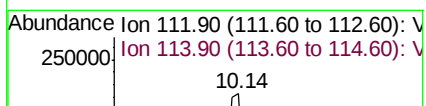
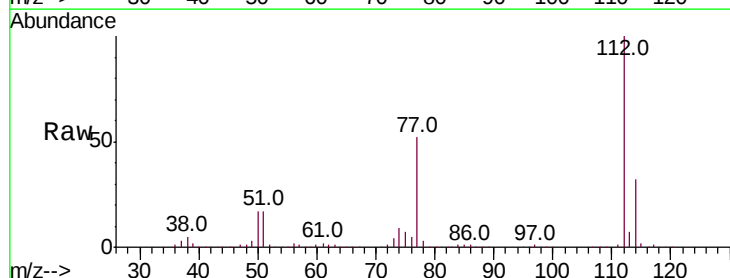
Acq: 13 Jul 2019 04:05

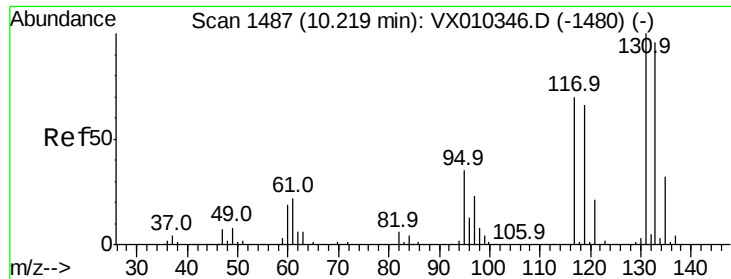
Tgt Ion:112 Resp: 313147

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 42.578 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:131 Resp: 114620

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

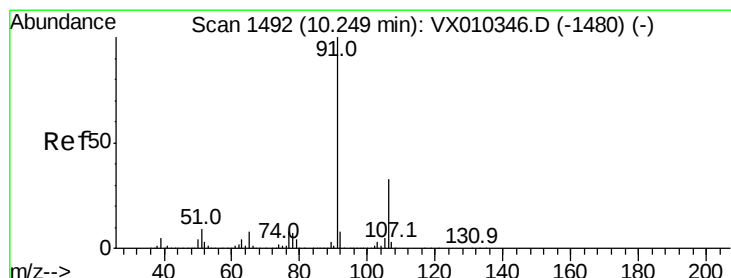
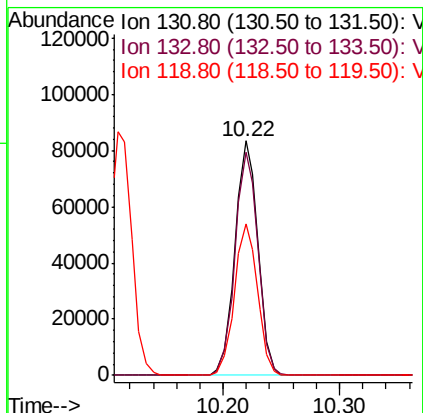
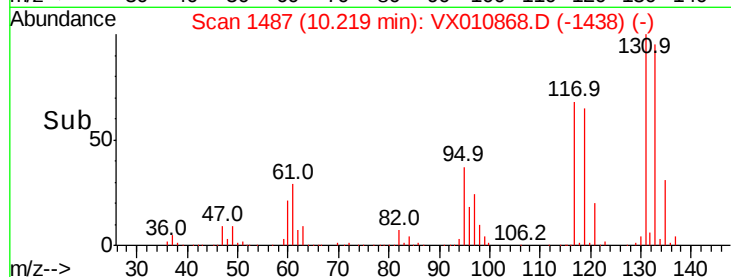
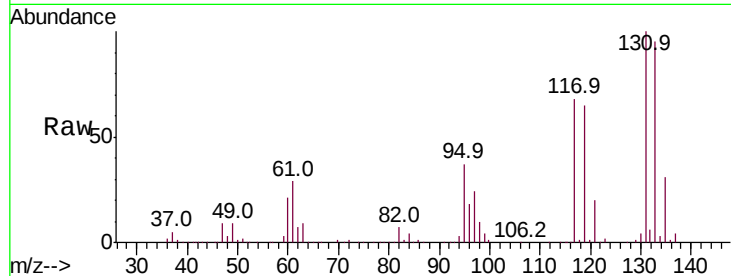
119 65.0 32.6 97.7

Manual Integrations

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#67

Ethyl Benzene

Concen: 43.704 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010868.D

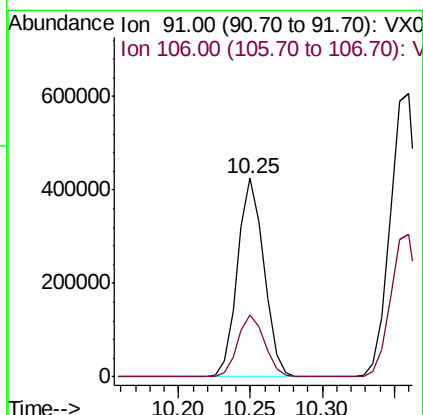
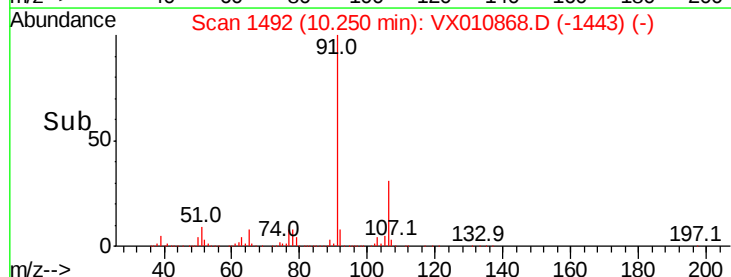
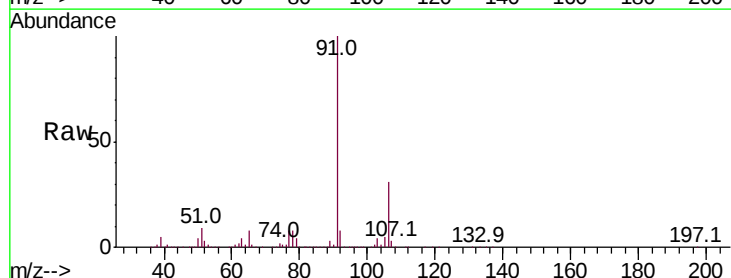
Acq: 13 Jul 2019 04:05

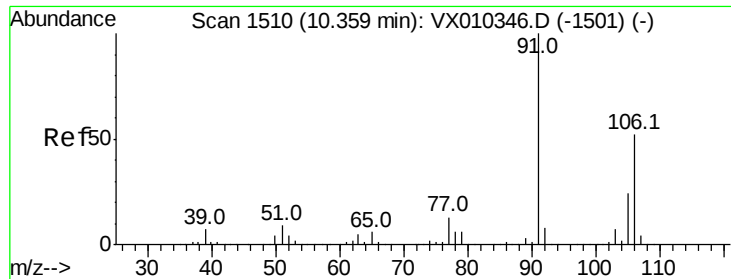
Tgt Ion: 91 Resp: 545280

Ion Ratio Lower Upper

91 100

106 31.3 26.2 39.2





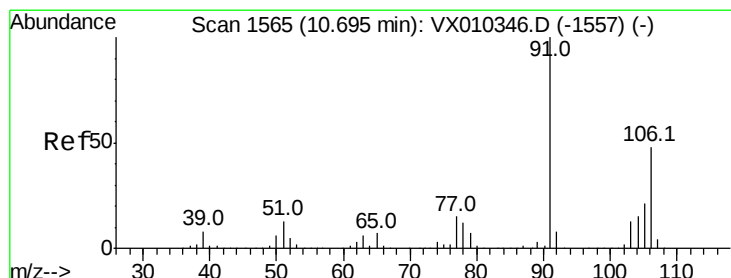
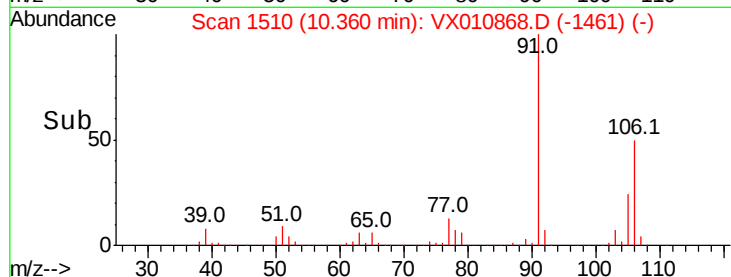
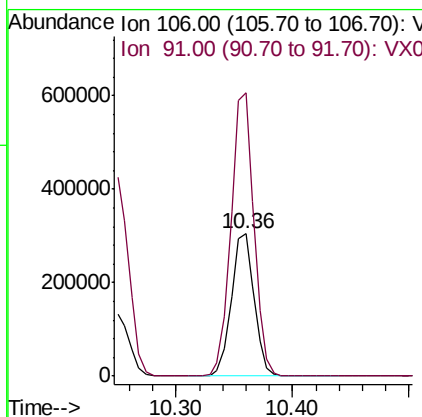
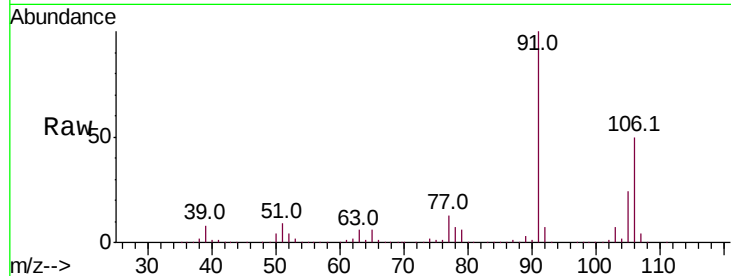
#68
m/p-Xvlenes
Concen: 85.894 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 415248
Ion Ratio Lower Upper
106 100
91 199.9 155.3 232.9

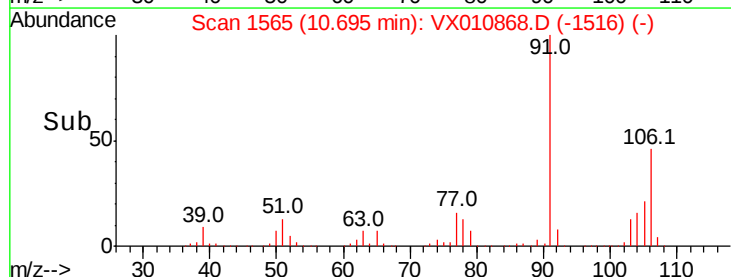
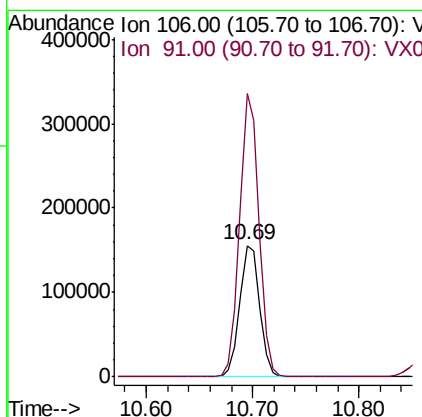
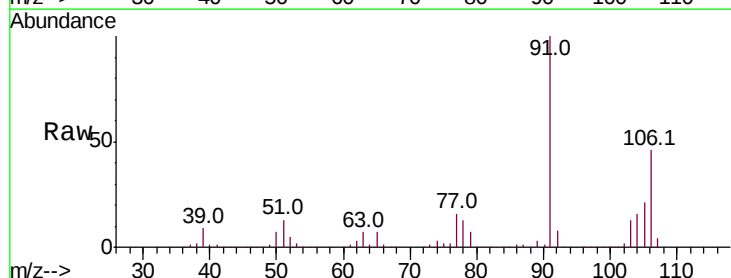
Manual Integrations
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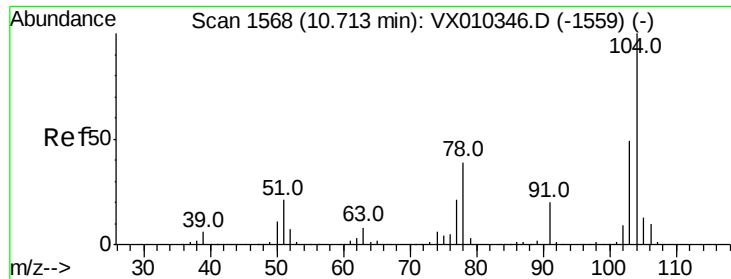
MMDadoda
7/15/2019 10:59:59 AM



#69
o-Xylene
Concen: 43.370 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion:106 Resp: 206189
Ion Ratio Lower Upper
106 100
91 208.1 102.7 308.1





#70

Stvrene

Concen: 44.111 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:104 Resp: 351698

Ion Ratio Lower Upper

104 100

78 48.1 36.2 54.2

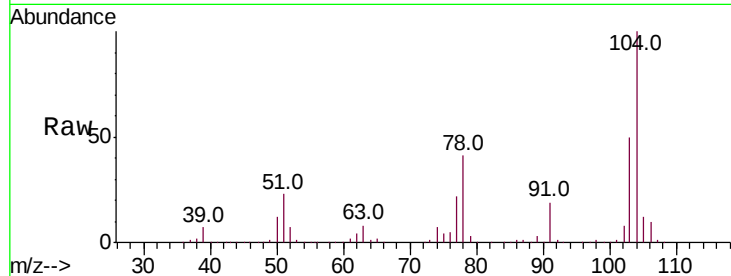
103 54.7 44.2 66.4

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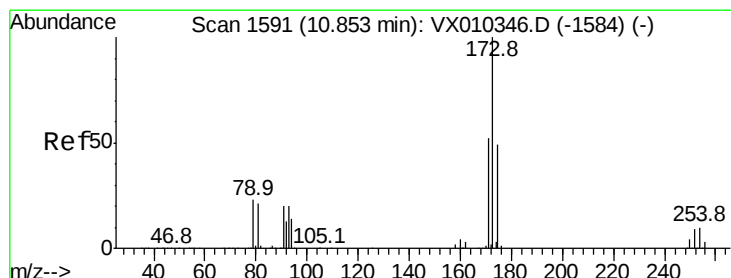
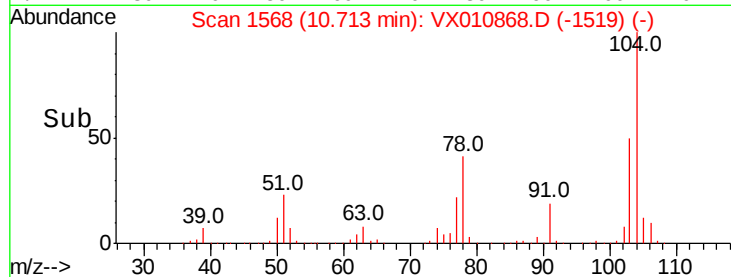
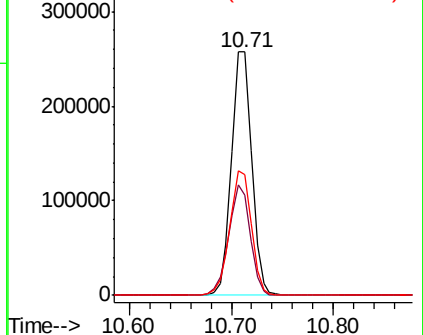
7/15/2019 10:59:59 AM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 40.282 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

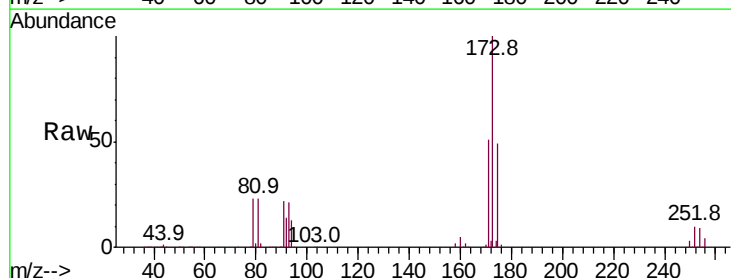
Tgt Ion:173 Resp: 94301

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

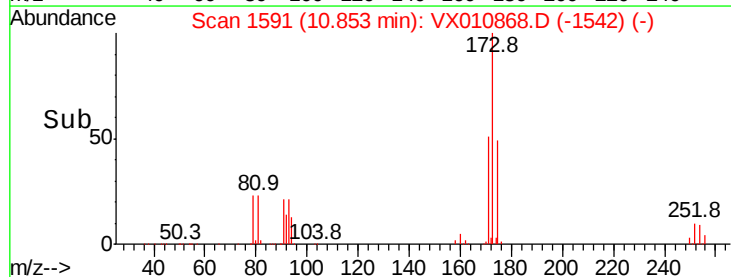
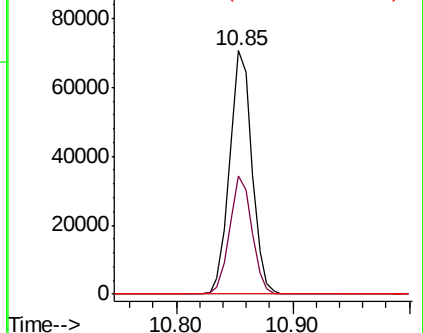
254 0.2 0.2 0.2

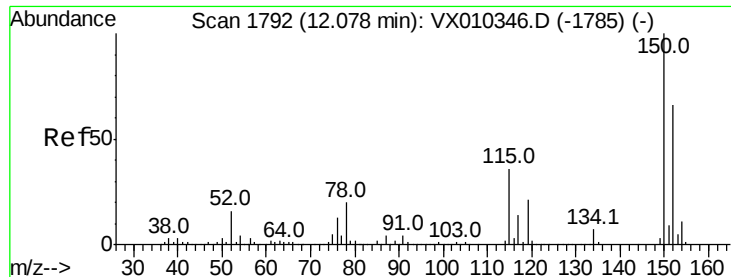


Abundance Ion 172.70 (172.40 to 173.40): V

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: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 188358

Ion Ratio Lower Upper

152 100

115 77.5 38.6 115.7

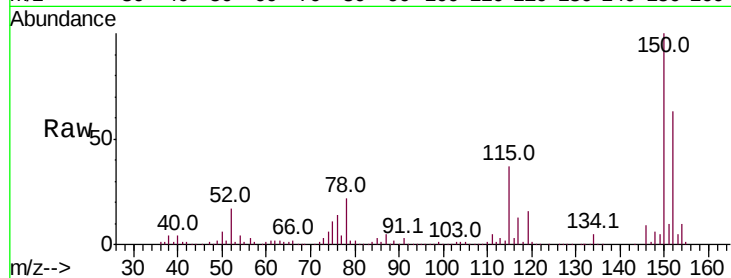
150 171.2 0.0 347.4

Manual Integrations

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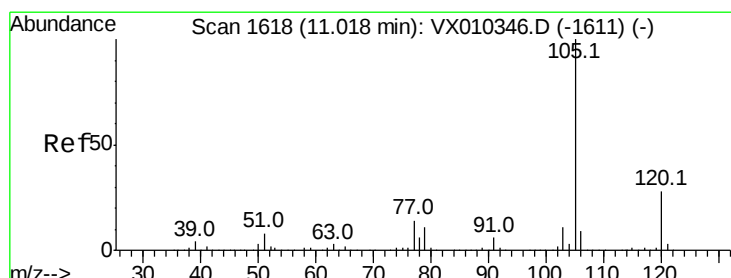
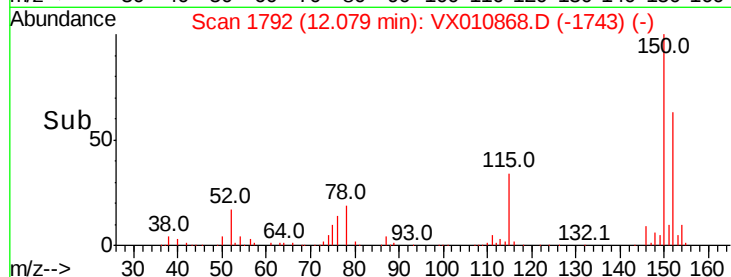
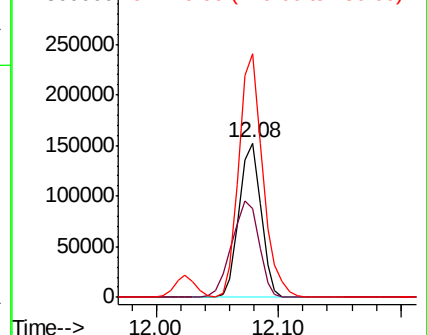
7/15/2019 10:59:59 AM



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: 42.814 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010868.D

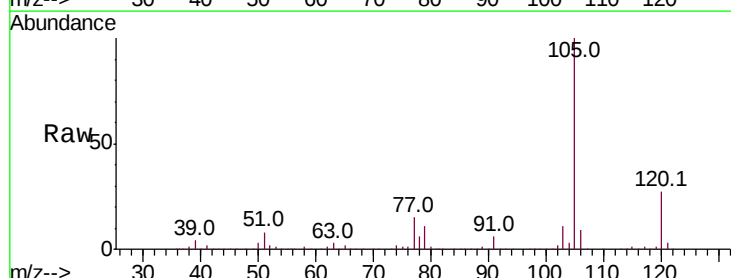
Acq: 13 Jul 2019 04:05

Tgt Ion:105 Resp: 546667

Ion Ratio Lower Upper

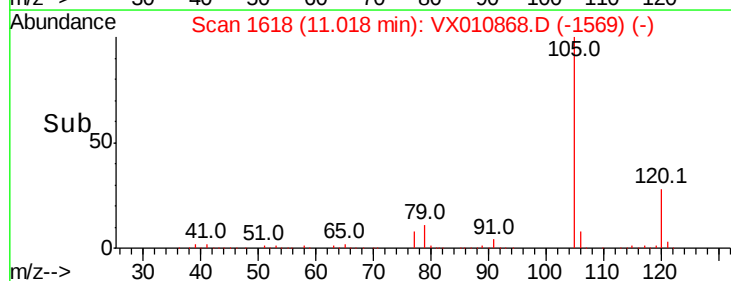
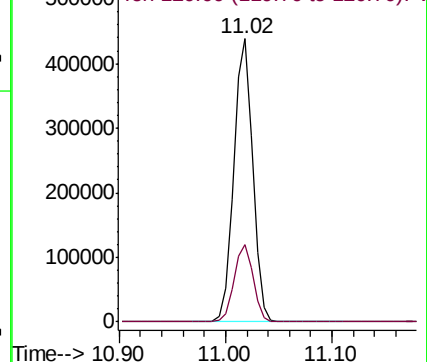
105 100

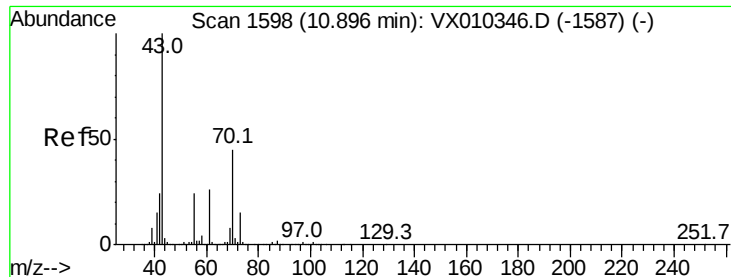
120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 36.507 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

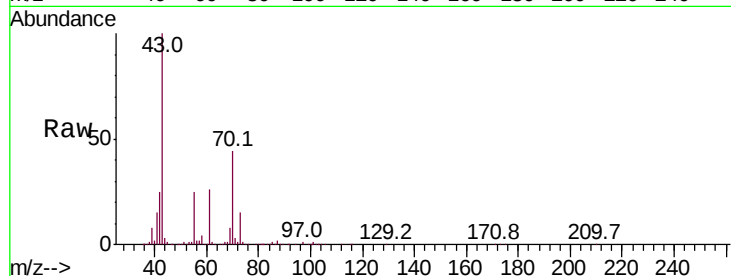
VSTDCCC050EC

Tot Ion: 43 Resp: 176160

Ion	Ratio	Lower	Upper
43	100		
70	43.6	36.6	54.8
55	24.1	18.7	28.1
61	24.9	20.6	31.0

Manual Integrations
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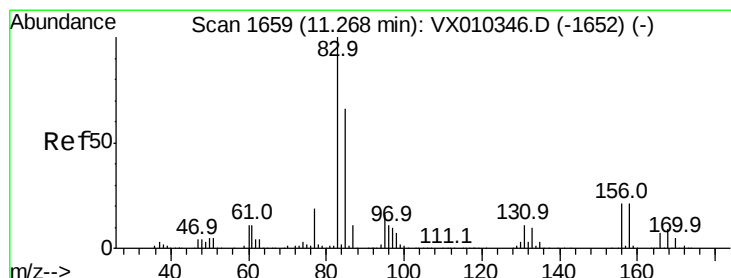
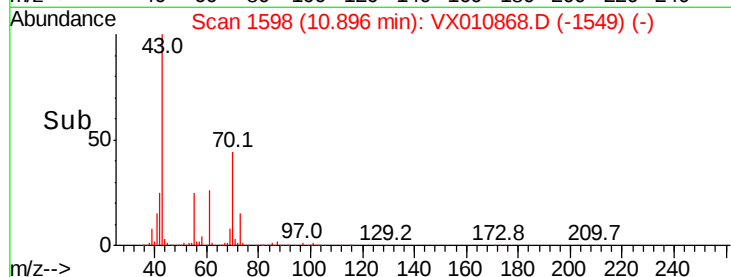
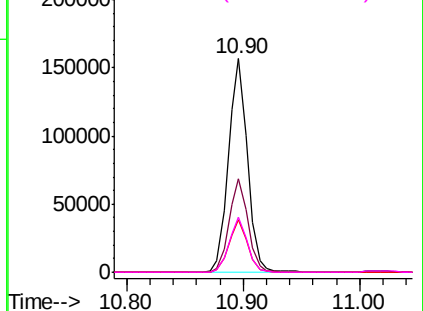
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 43.649 ug/l

RT: 11.27 min Scan# 1659

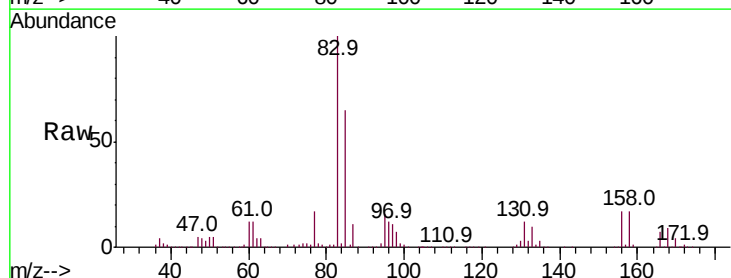
Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion: 83 Resp: 184571

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	64.2	32.3	96.8

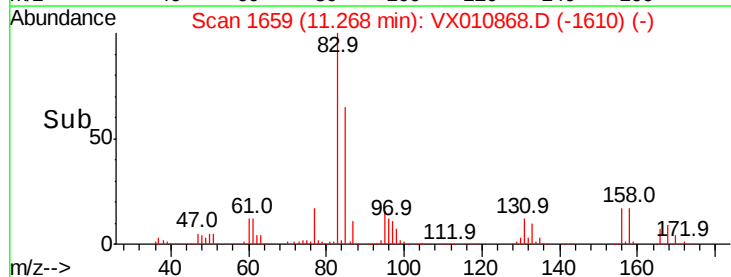
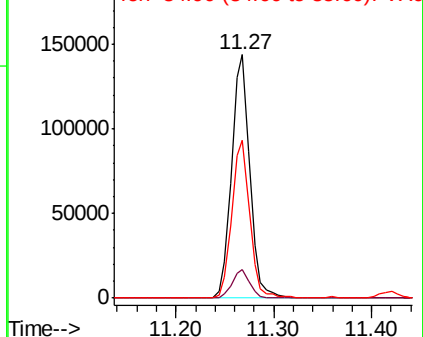


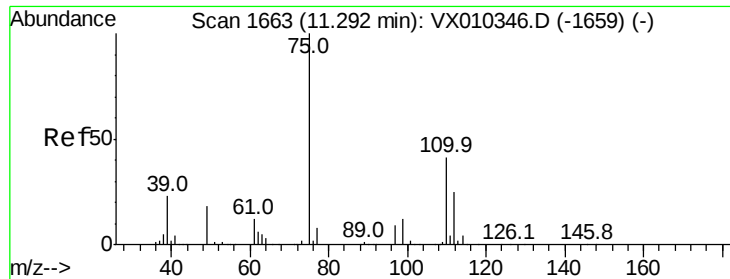
Abundance

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





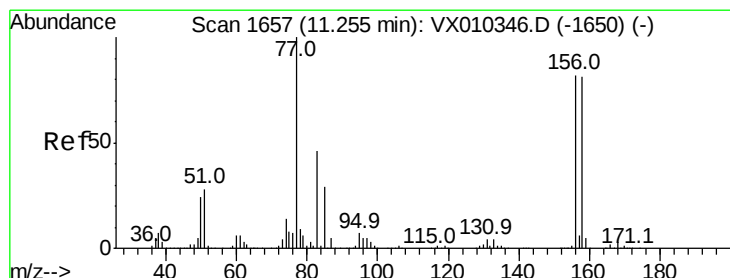
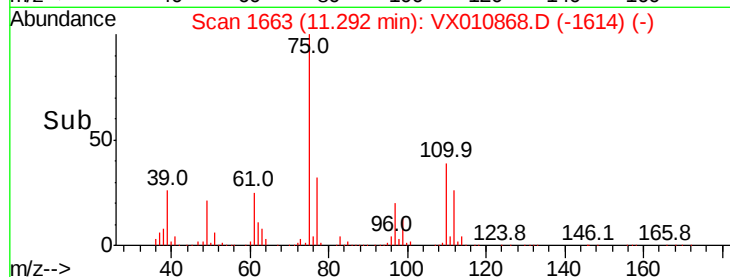
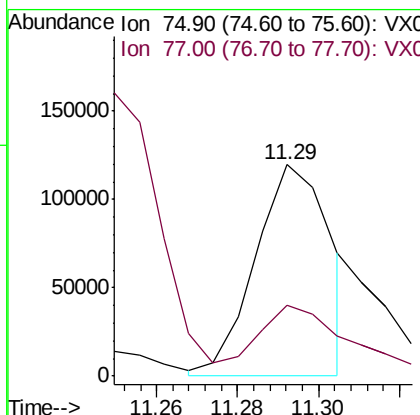
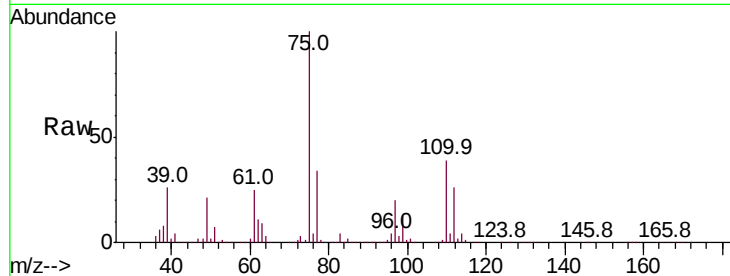
#76
1,2,3-Trichloropropane
Concen: 44.711 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 153466
Ion Ratio Lower Upper
75 100
77 41.4 22.6 67.8

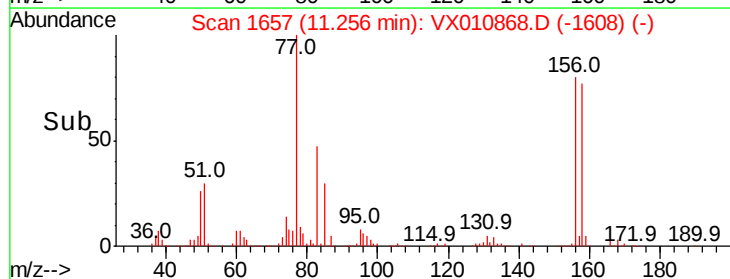
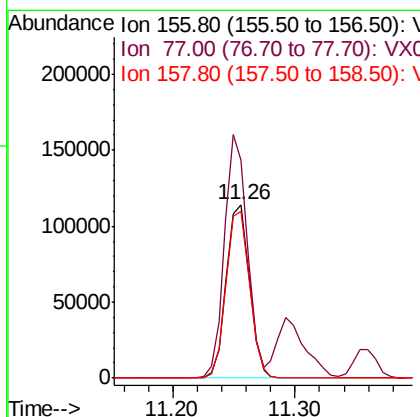
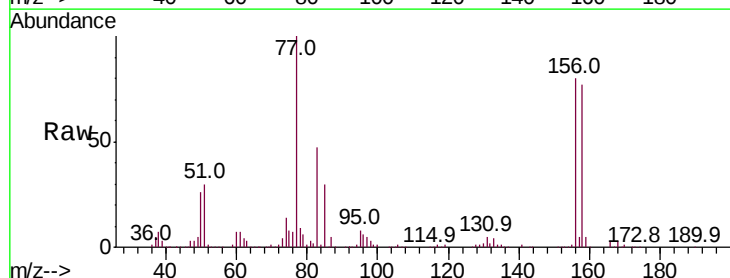
Manual Integrations
APPROVED

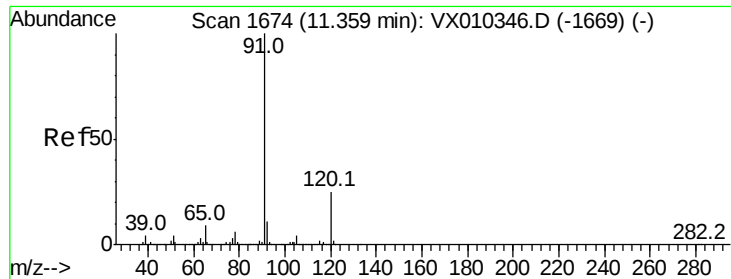
MMDadoda
7/15/2019 10:59:59 AM



#77
Bromobenzene
Concen: 42.142 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion: 156 Resp: 150249
Ion Ratio Lower Upper
156 100
77 137.6 66.3 198.7
158 97.2 48.9 146.7





#78

n-propylbenzene

Concen: 43.763 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 614131

Ion Ratio Lower Upper

91 100

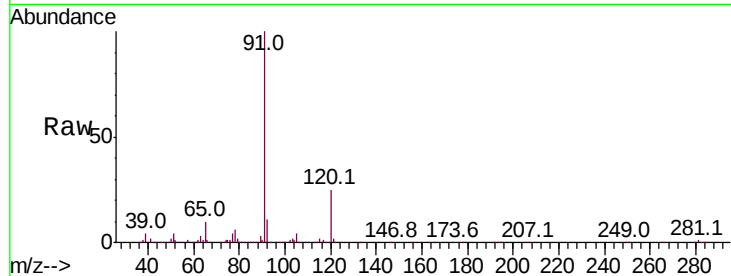
120 24.2 12.4 37.4

Manual Integrations

APPROVED

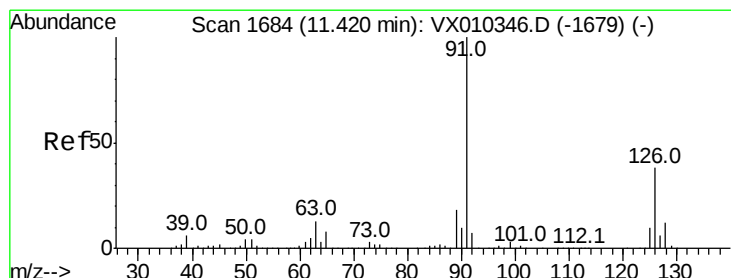
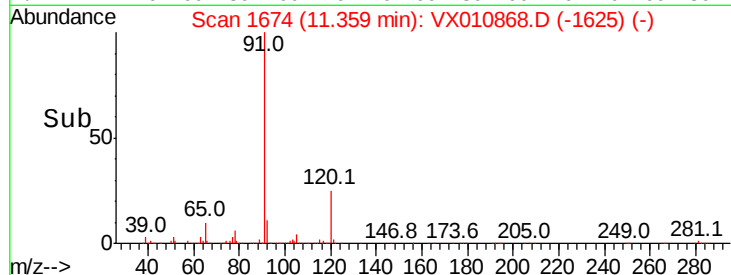
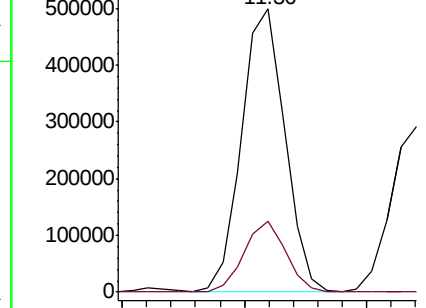
MMDadoda

7/15/2019 10:59:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 43.837 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010868.D

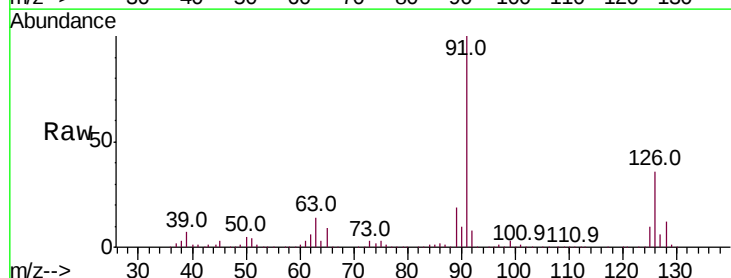
Acq: 13 Jul 2019 04:05

Tgt Ion: 91 Resp: 366314

Ion Ratio Lower Upper

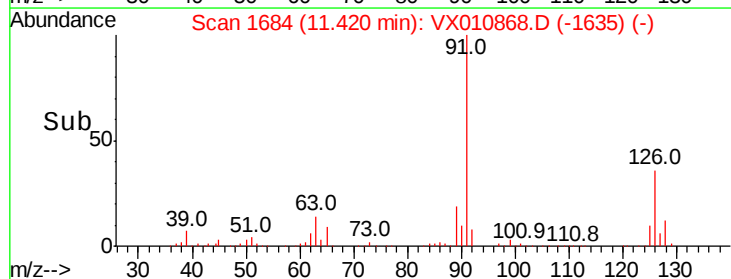
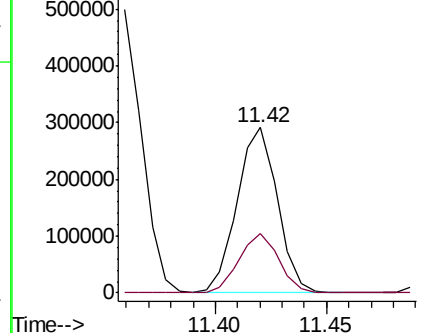
91 100

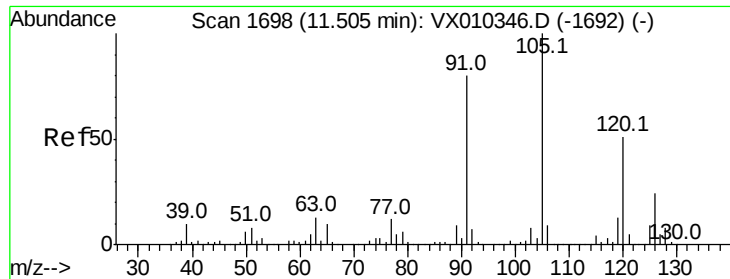
126 35.9 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





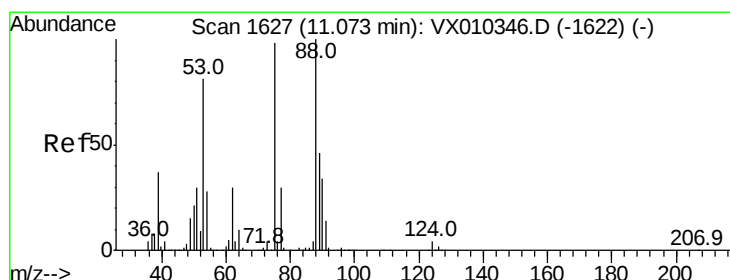
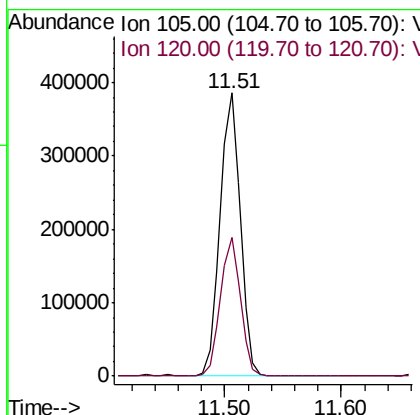
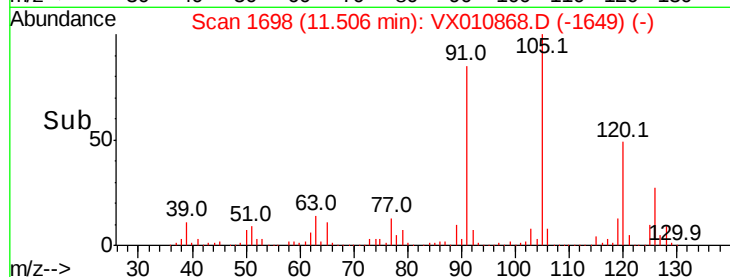
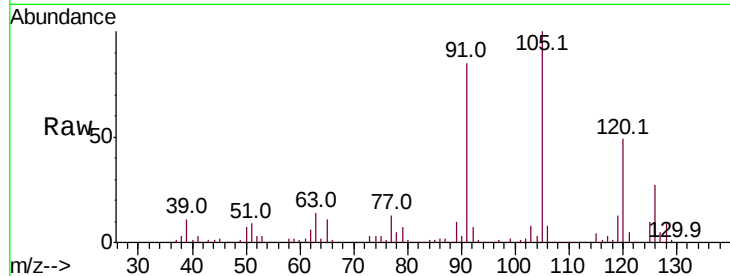
#80
 1,3,5-Trimethylbenzene
 Concen: 43.919 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 462294
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.2 75.6

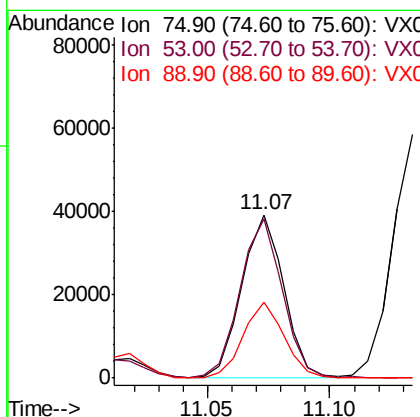
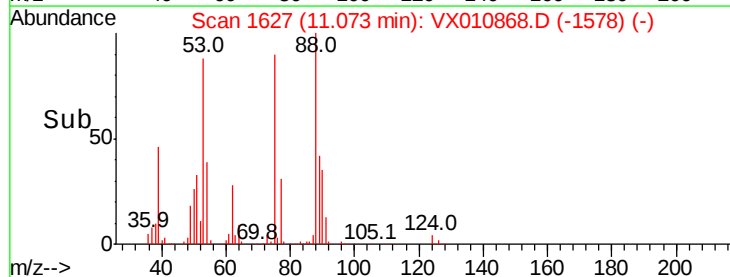
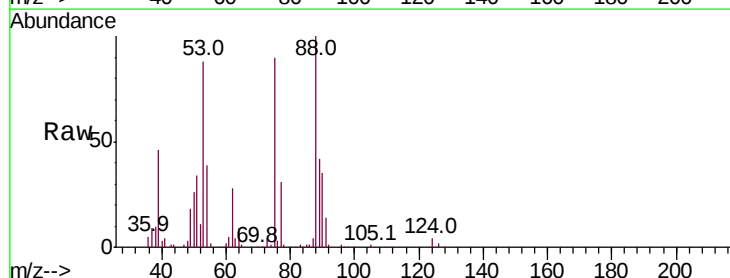
Manual Integrations
 APPROVED

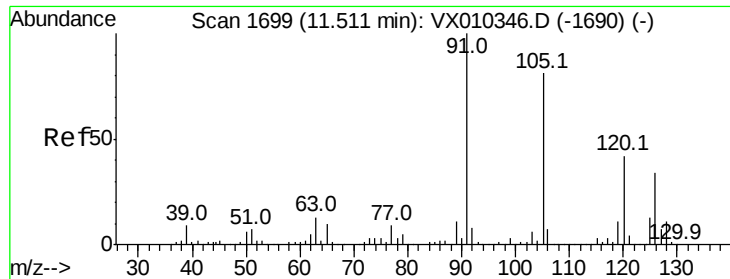
MMDadoda
 7/15/2019 10:59:59 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 31.706 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Tgt Ion: 75 Resp: 46649
 Ion Ratio Lower Upper
 75 100
 53 98.4 66.1 99.1
 89 46.1 37.8 56.6





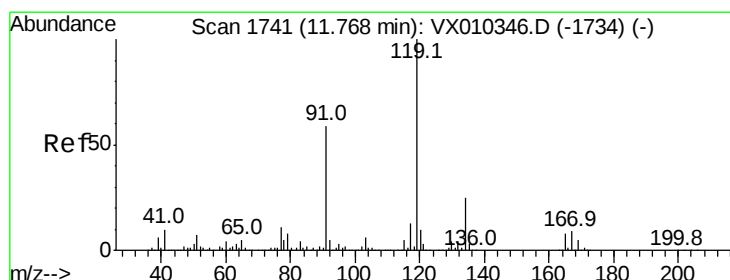
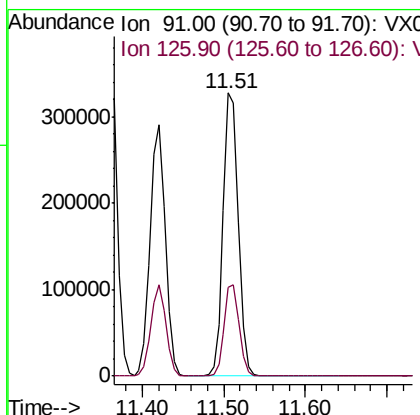
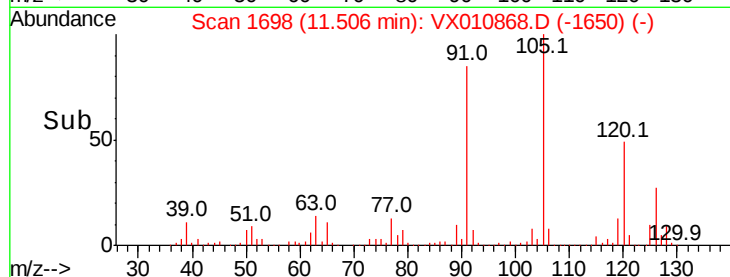
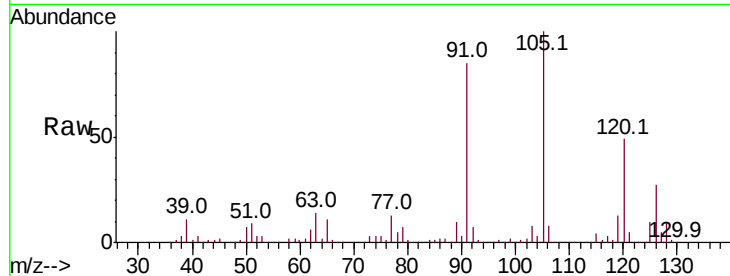
#82
4-Chlorotoluene
Concen: 44.614 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 424213
Ion Ratio Lower Upper
91 100
126 31.7 16.2 48.6

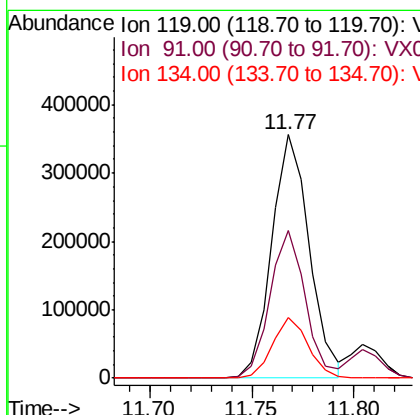
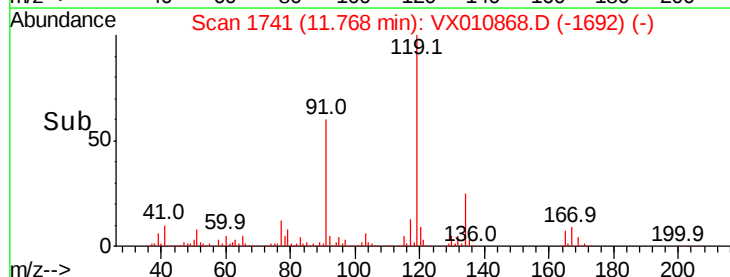
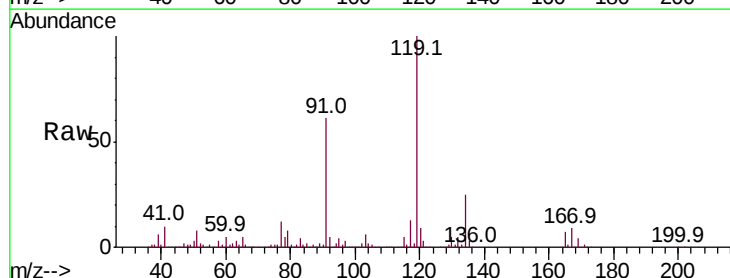
Manual Integrations
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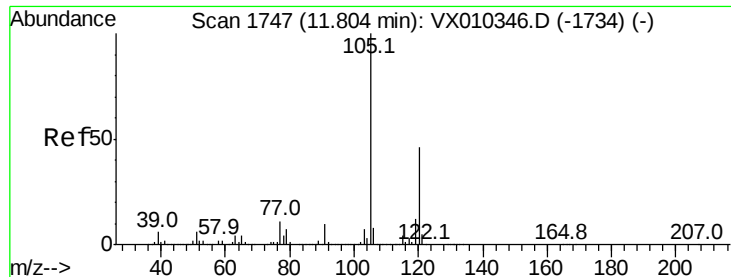
MMDadoda
7/15/2019 10:59:59 AM



#83
tert-Butylbenzene
Concen: 43.418 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion: 119 Resp: 458696
Ion Ratio Lower Upper
119 100
91 57.3 27.6 82.7
134 23.6 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 44.296 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 468440

Ion Ratio Lower Upper

105 100

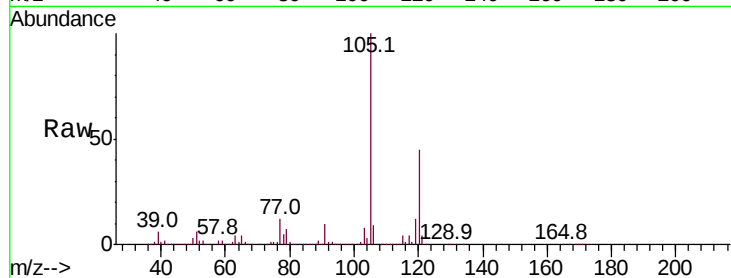
120 45.1 23.1 69.2

Manual Integrations

APPROVED

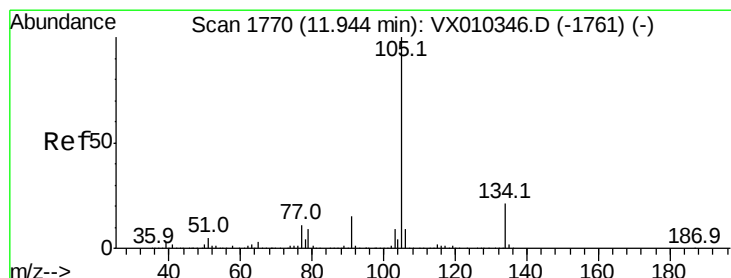
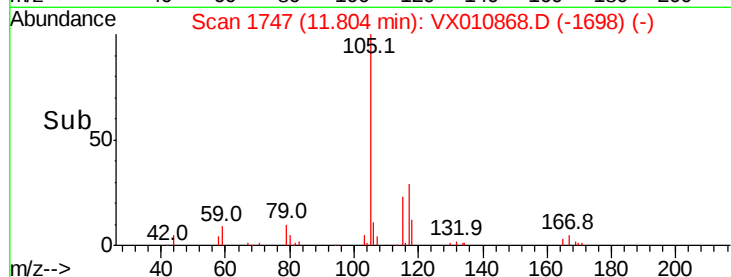
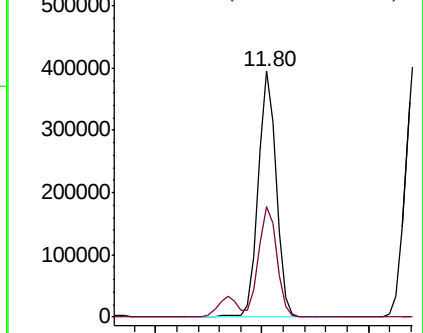
MMDadoda

7/15/2019 10:59:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 43.250 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010868.D

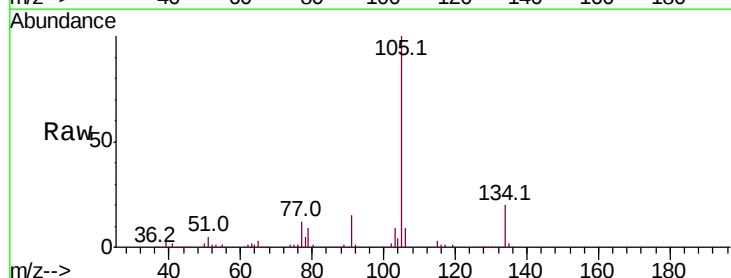
Acq: 13 Jul 2019 04:05

Tgt Ion:105 Resp: 536489

Ion Ratio Lower Upper

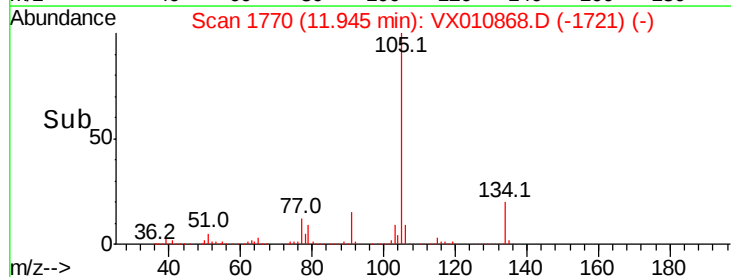
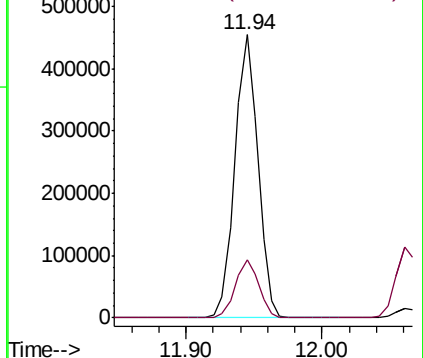
105 100

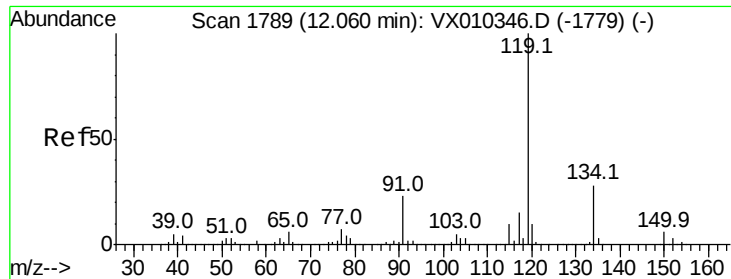
134 20.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





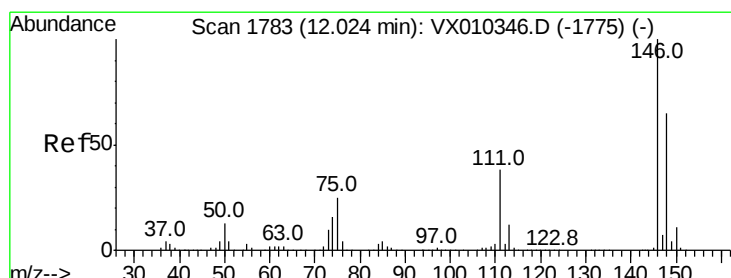
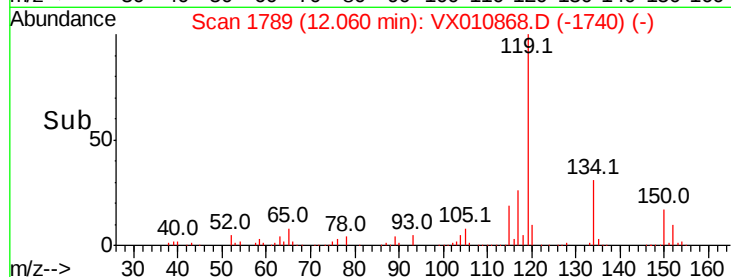
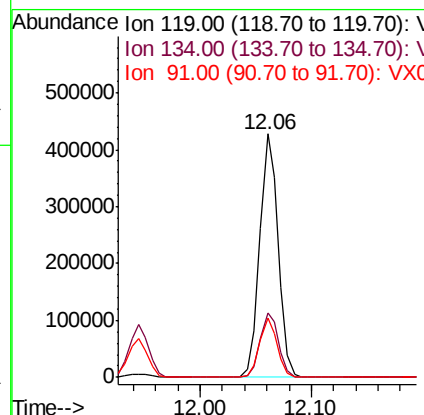
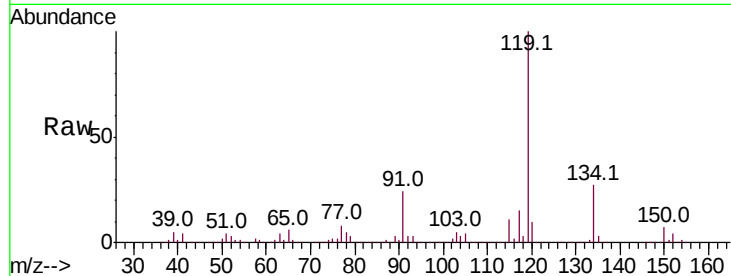
#86
p-Isopropyltoluene
Concen: 42.883 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	492029		
134	26.8	13.7	41.1	
91	23.4	11.3	33.8	

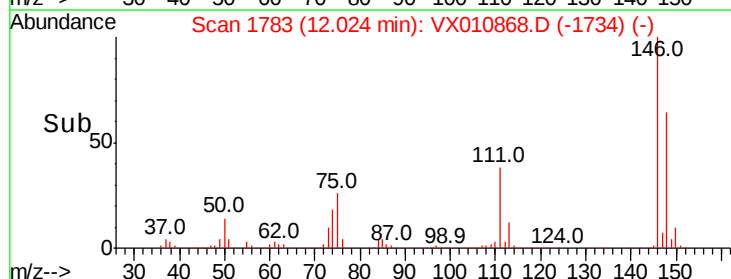
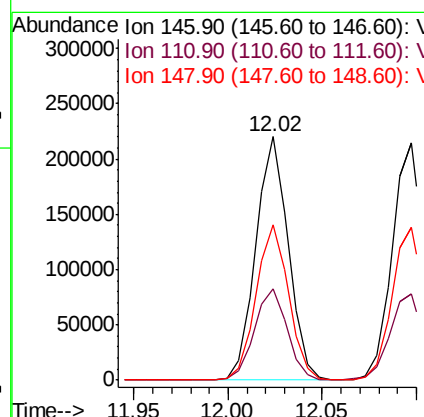
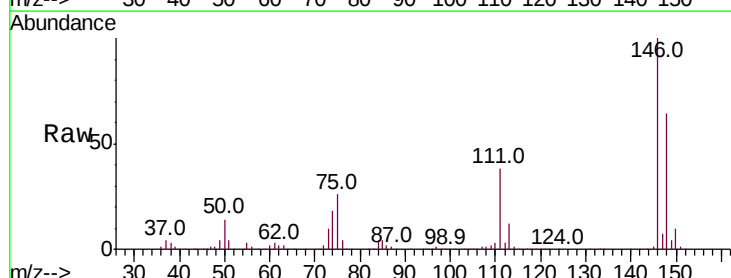
Manual Integrations
APPROVED

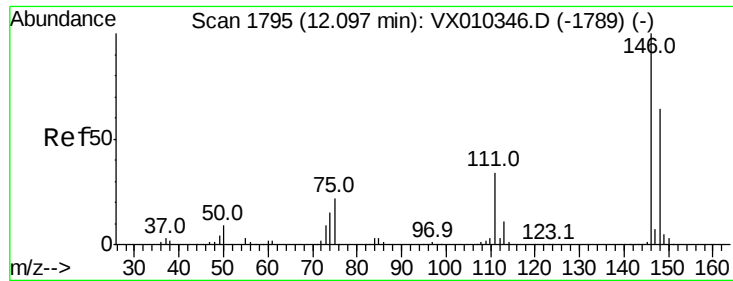
MMDadoda
7/15/2019 10:59:59 AM



#87
1,3-Dichlorobenzene
Concen: 42.101 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	262012		
111	38.0	19.1	57.1	
148	64.1	32.5	97.4	





#88

1,4-Dichlorobenzene

Concen: 41.026 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

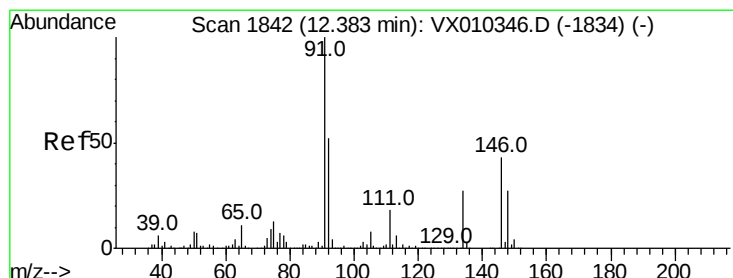
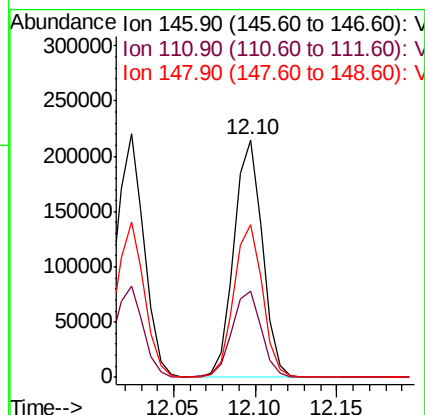
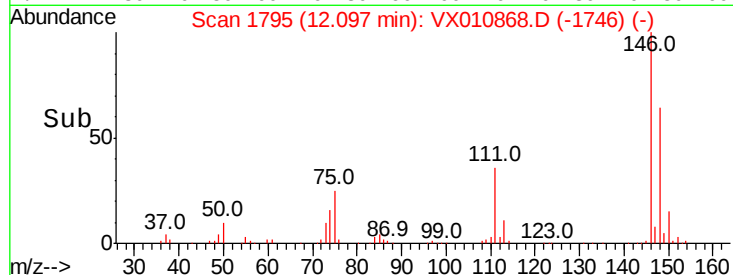
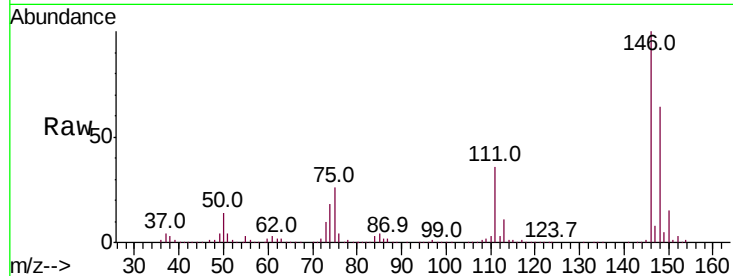
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	259932
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.1	54.3
148	65.1	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
7/15/2019 10:59:59 AM



#89

n-Butylbenzene

Concen: 42.143 ug/l

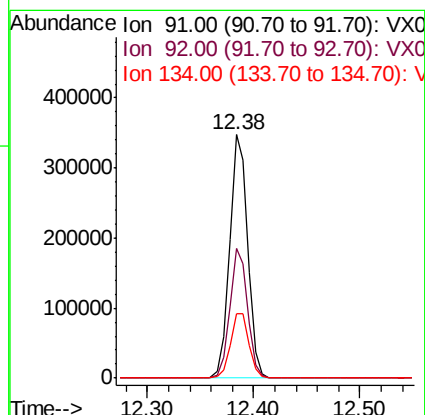
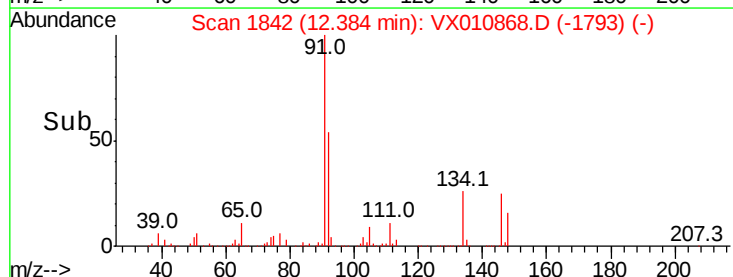
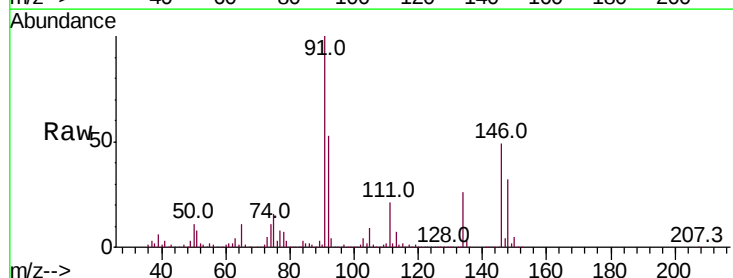
RT: 12.38 min Scan# 1842

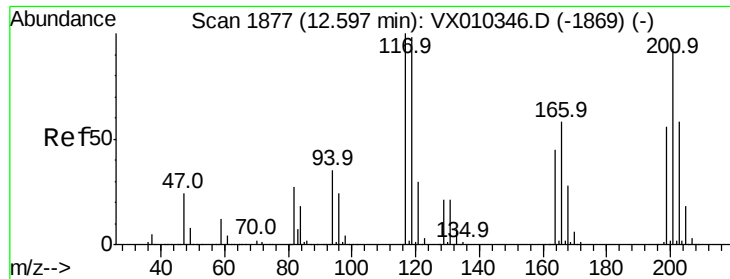
Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Tgt Ion:	91	Resp:	410885
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.2	78.5
134	27.5	14.1	42.4





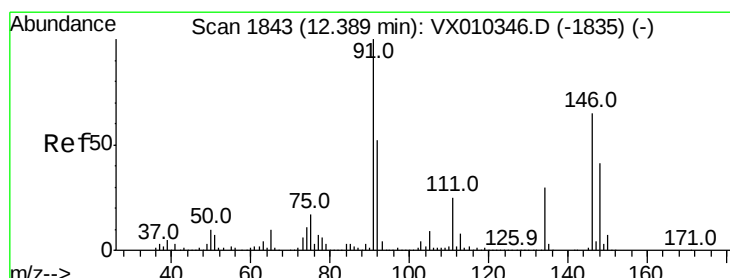
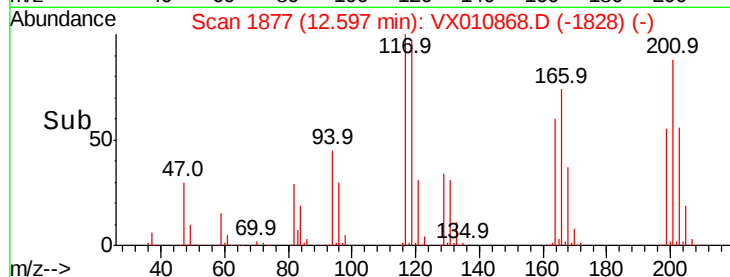
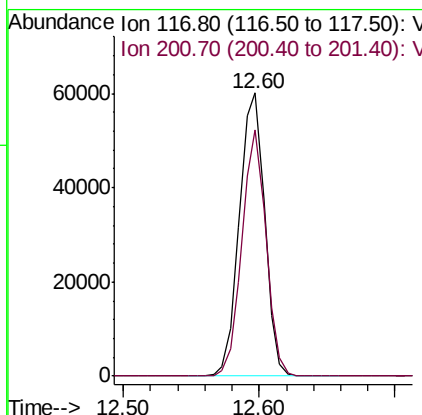
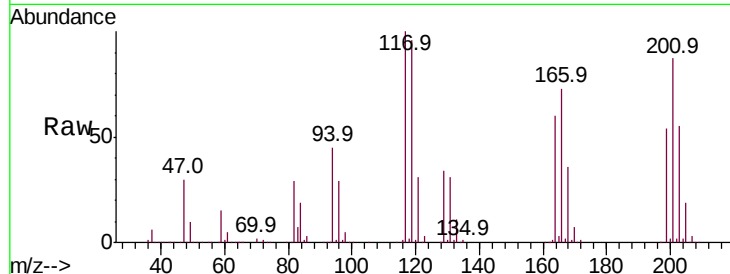
#90
Hexachloroethane
Concen: 39.289 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 77947
Ion Ratio Lower Upper
117 100
201 83.1 44.0 131.8

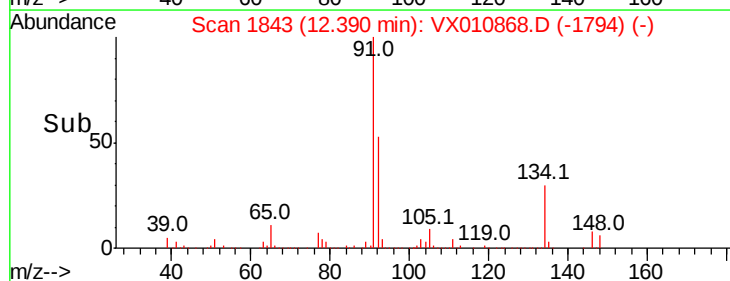
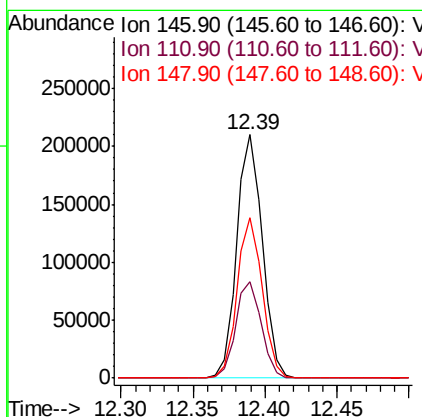
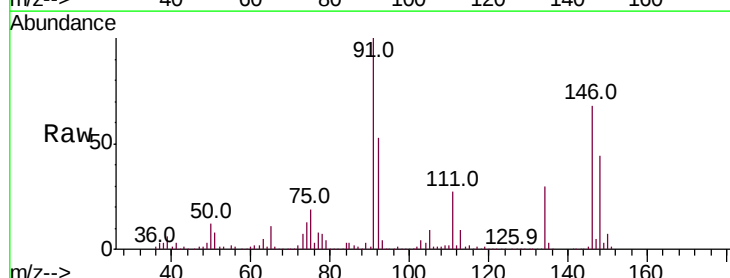
Manual Integrations
APPROVED

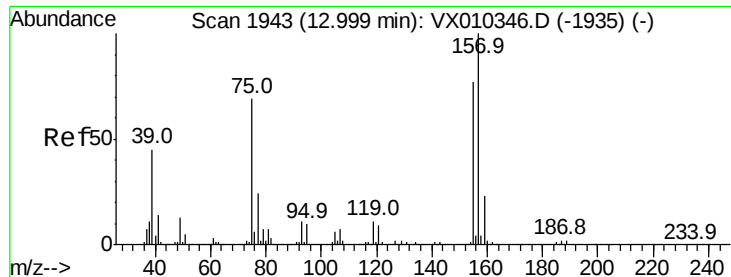
MMDadoda
7/15/2019 10:59:59 AM



#91
1,2-Dichlorobenzene
Concen: 42.094 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010868.D
Acq: 13 Jul 2019 04:05

Tgt Ion:146 Resp: 260366
Ion Ratio Lower Upper
146 100
111 39.9 19.2 57.6
148 64.7 32.0 96.0





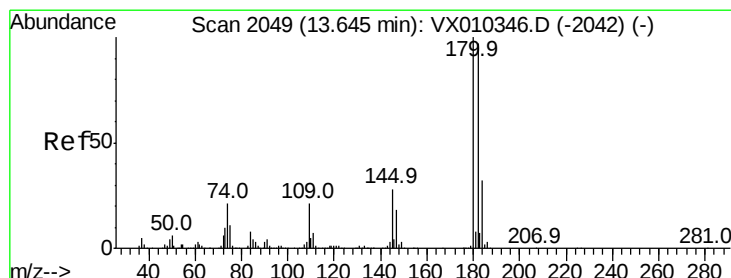
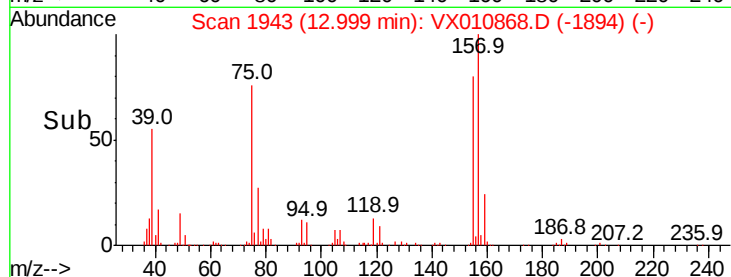
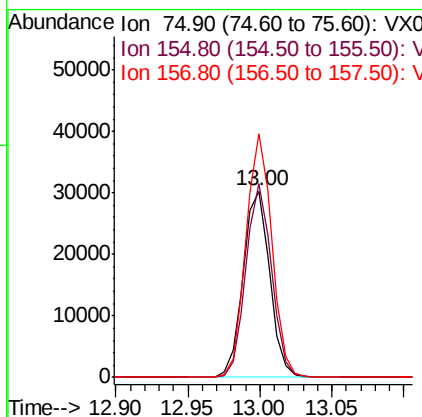
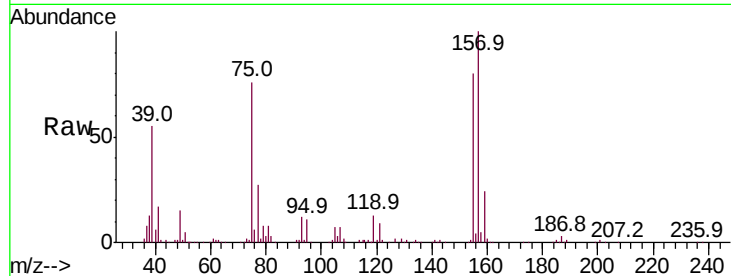
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.339 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
155	100.5	54.4	163.1
157	126.8	69.5	208.3

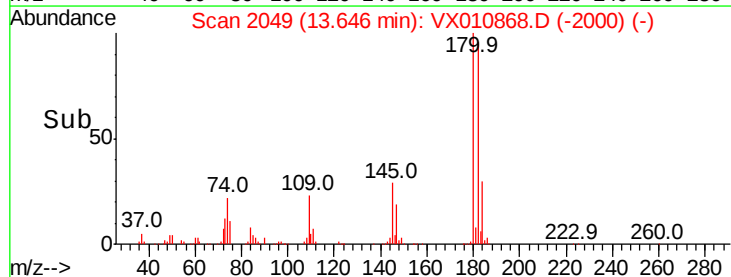
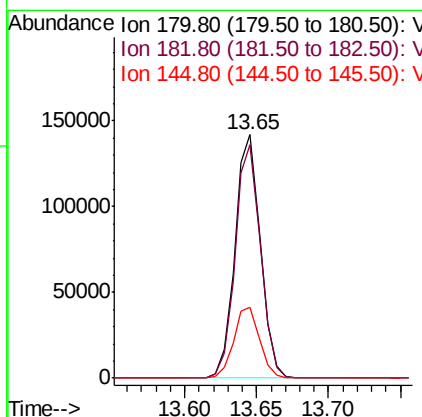
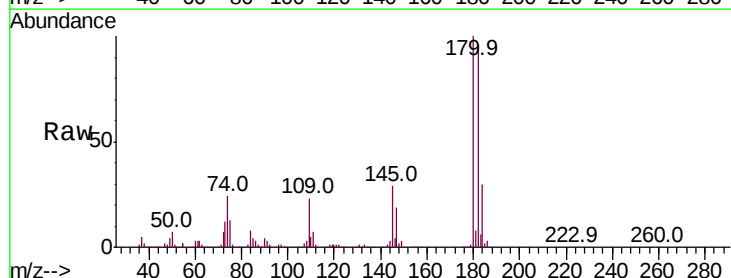
Manual Integrations
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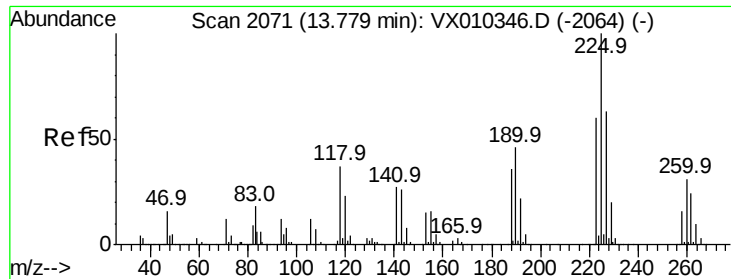
MMDadoda
 7/15/2019 10:59:59 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 40.710 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	29.8	14.4	43.4





#94

Hexachlorobutadiene

Concen: 38.817 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010868.D

Acq: 13 Jul 2019 04:05

Instrument :

MSVOA_X

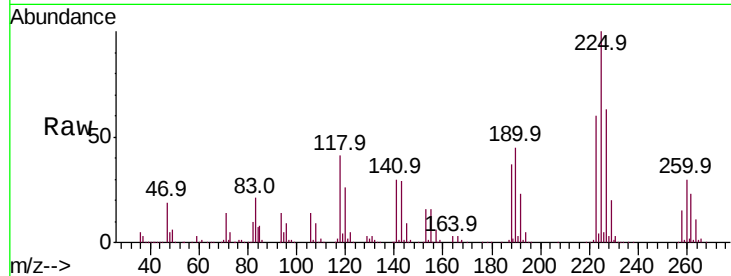
ClientSampleId :

VSTDCCC050EC

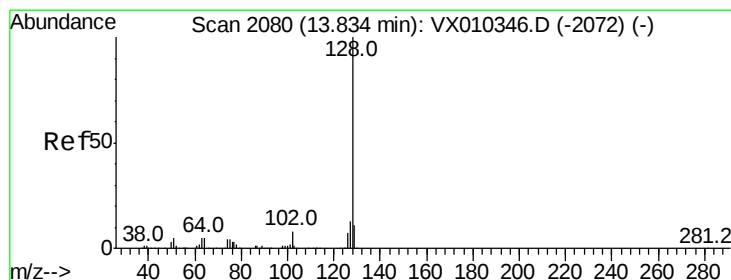
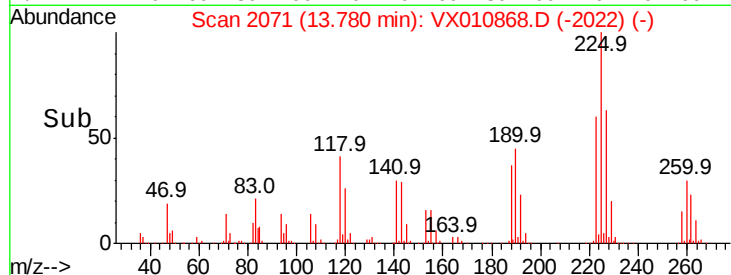
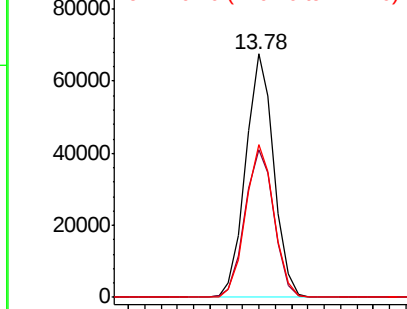
Tot Ion:	225	Resp:	81376
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.9	92.7
227	63.1	31.9	95.5

Manual Integrations
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7/15/2019 10:59:59 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 41.731 ug/l

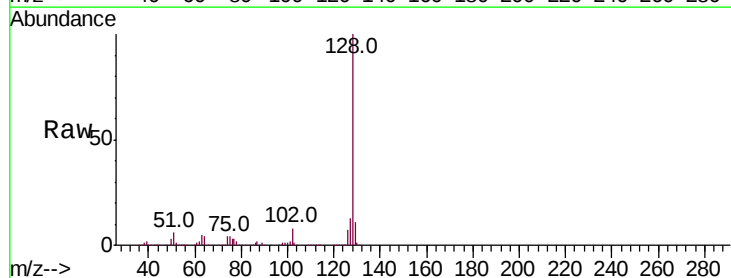
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

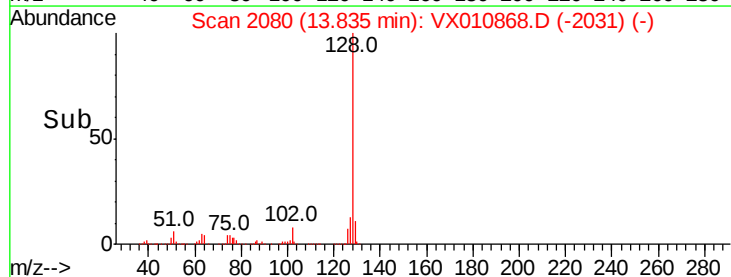
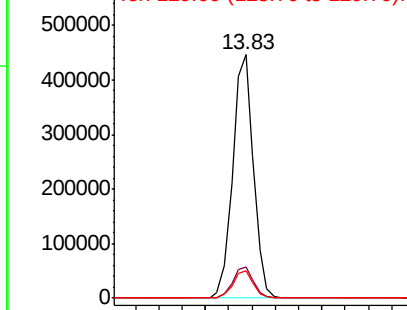
Lab File: VX010868.D

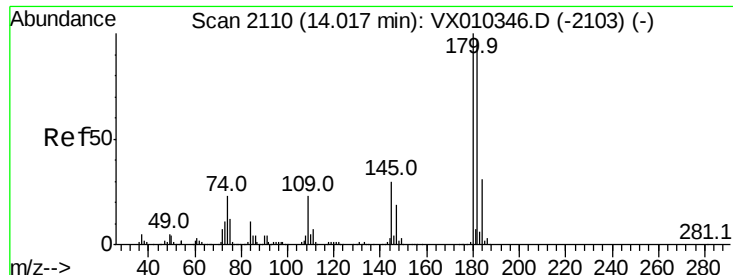
Acq: 13 Jul 2019 04:05

Tgt Ion:	128	Resp:	550081
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





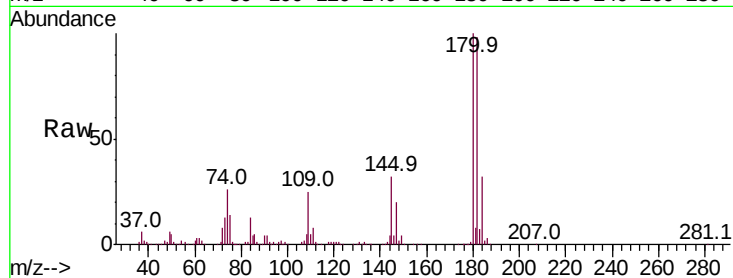
#96
 1,2,3-Trichlorobenzene
 Concen: 41.551 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010868.D
 Acq: 13 Jul 2019 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	47.8	143.3
145	30.8	15.2	45.6

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

