

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013146.D
 Acq On : 18 Oct 2019 22:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 11:03:14 AM

Quant Time: Oct 19 05:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	137707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	224008	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	89363	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	5.49	113	70091	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	8.71	98	253391	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.14	95	102058	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82135	58.514	ug/l	96
3) Chloromethane	1.32	50	76057	49.787	ug/l	98
4) Vinyl Chloride	1.40	62	80237	50.888	ug/l	99
5) Bromomethane	1.63	94	38311	58.451	ug/l	97
6) Chloroethane	1.71	64	48372	50.222	ug/l	99
7) Trichlorofluoromethane	1.92	101	124090	58.309	ug/l	98
8) Diethyl Ether	2.18	74	43146	50.228	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74169	53.850	ug/l	99
10) Methyl Iodide	2.50	142	97854	61.420	ug/l	100
11) Tert butyl alcohol	3.04	59	99727	218.573	ug/l	100
12) 1,1-Dichloroethene	2.36	96	74469	53.513	ug/l	92
13) Acrolein	2.28	56	71153	219.440	ug/l	99
14) Allyl chloride	2.72	41	118485	47.810	ug/l	96
15) Acrylonitrile	3.13	53	211558	244.674	ug/l	99
16) Acetone	2.44	43	181640	200.215	ug/l	100
17) Carbon Disulfide	2.56	76	196549	49.533	ug/l	100
18) Methyl Acetate	2.76	43	119664	55.648	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	262639	54.652	ug/l	98
20) Methylene Chloride	2.84	84	84524	50.695	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	79726	53.452	ug/l	99
22) Diisopropyl ether	3.84	45	236956	49.898	ug/l	94
23) Vinyl Acetate	3.80	43	982447	239.651	ug/l	98
24) 1,1-Dichloroethane	3.69	63	141582	52.996	ug/l	99
25) 2-Butanone	4.66	43	281991	224.043	ug/l	99
26) 2,2-Dichloropropane	4.58	77	108364	48.236	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	91843	53.420	ug/l	97
28) Bromochloromethane	5.01	49	37039	46.359	ug/l	90
29) Tetrahydrofuran	5.12	42	180151	232.594	ug/l	94
30) Chloroform	5.20	83	149322	54.473	ug/l	99
31) Cyclohexane	5.57	56	122384	48.991	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	134505	57.910	ug/l	99
36) 1,1-Dichloropropene	5.79	75	108454	55.067	ug/l	98
37) Ethyl Acetate	4.82	43	107897	48.994	ug/l	98
38) Carbon Tetrachloride	5.78	117	115925	60.472	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	128488	53.795	ug/l	98
40) Benzene	6.14	78	327051	56.224	ug/l	99
41) Methacrylonitrile	5.03	41	60243	49.783	ug/l	97
42) 1,2-Dichloroethane	6.18	62	121356	58.141	ug/l	99
43) Isopropyl Acetate	6.43	43	181162	51.252	ug/l	99
44) Trichloroethene	7.21	130	90041	55.821	ug/l	98
45) 1,2-Dichloropropane	7.51	63	80838	54.527	ug/l	99
46) Dibromomethane	7.65	93	58227	58.949	ug/l	98
47) Bromodichloromethane	7.89	83	115563	59.951	ug/l	100
48) Methyl methacrylate	7.76	41	89804	52.136	ug/l	96
49) 1,4-Dioxane	7.73	88	41640	904.303	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	569418	258.379	ug/l	99
52) Toluene	8.78	92	210500	56.565	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	125027	51.888	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	135596	57.194	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	85452	58.023	ug/l	97
56) Ethyl methacrylate	9.17	69	136679	51.761	ug/l	96
57) 1,3-Dichloropropane	9.37	76	144718	56.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	280786	259.532	ug/l	98
59) 2-Hexanone	9.49	43	434954	253.540	ug/l	98
60) Dibromochloromethane	9.58	129	90528	55.043	ug/l	100
61) 1,2-Dibromoethane	9.67	107	90167	58.201	ug/l	100
64) Tetrachloroethene	9.33	164	84221	60.061	ug/l	97
65) Chlorobenzene	10.14	112	224891	56.015	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	84330	60.581	ug/l	98
67) Ethyl Benzene	10.24	91	410050	57.499	ug/l	98
68) m/p-Xylenes	10.35	106	307589	115.453	ug/l	100
69) o-Xylene	10.70	106	147729	56.861	ug/l	100
70) Styrene	10.71	104	256859	58.156	ug/l	99
71) Bromoform	10.85	173	64691	54.267	ug/l	# 100
73) Isopropylbenzene	11.01	105	401784	55.459	ug/l	100
74) N-amyl acetate	10.89	43	152148	48.763	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	128747	53.431	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	98441m	45.041	ug/l	
77) Bromobenzene	11.25	156	94100	55.120	ug/l	97
78) n-propylbenzene	11.35	91	442793	55.544	ug/l	97
79) 2-Chlorotoluene	11.42	91	275986	55.086	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	336746	55.667	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37705	44.823	ug/l	98
82) 4-Chlorotoluene	11.51	91	324396	56.490	ug/l	99
83) tert-Butylbenzene	11.76	119	320463	54.306	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	346246	56.515	ug/l	99
85) sec-Butylbenzene	11.94	105	378078	55.302	ug/l	100
86) p-Isopropyltoluene	12.06	119	356887	56.286	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	173372	54.687	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	171098	53.289	ug/l	98
89) n-Butylbenzene	12.38	91	291351	54.673	ug/l	99
90) Hexachloroethane	12.59	117	59333	50.502	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	174228	56.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31674	56.083	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	101937	52.358	ug/l	97
94) Hexachlorobutadiene	13.77	225	53113	59.112	ug/l	96
95) Naphthalene	13.83	128	342695	50.777	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	110139	54.743	ug/l	97

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

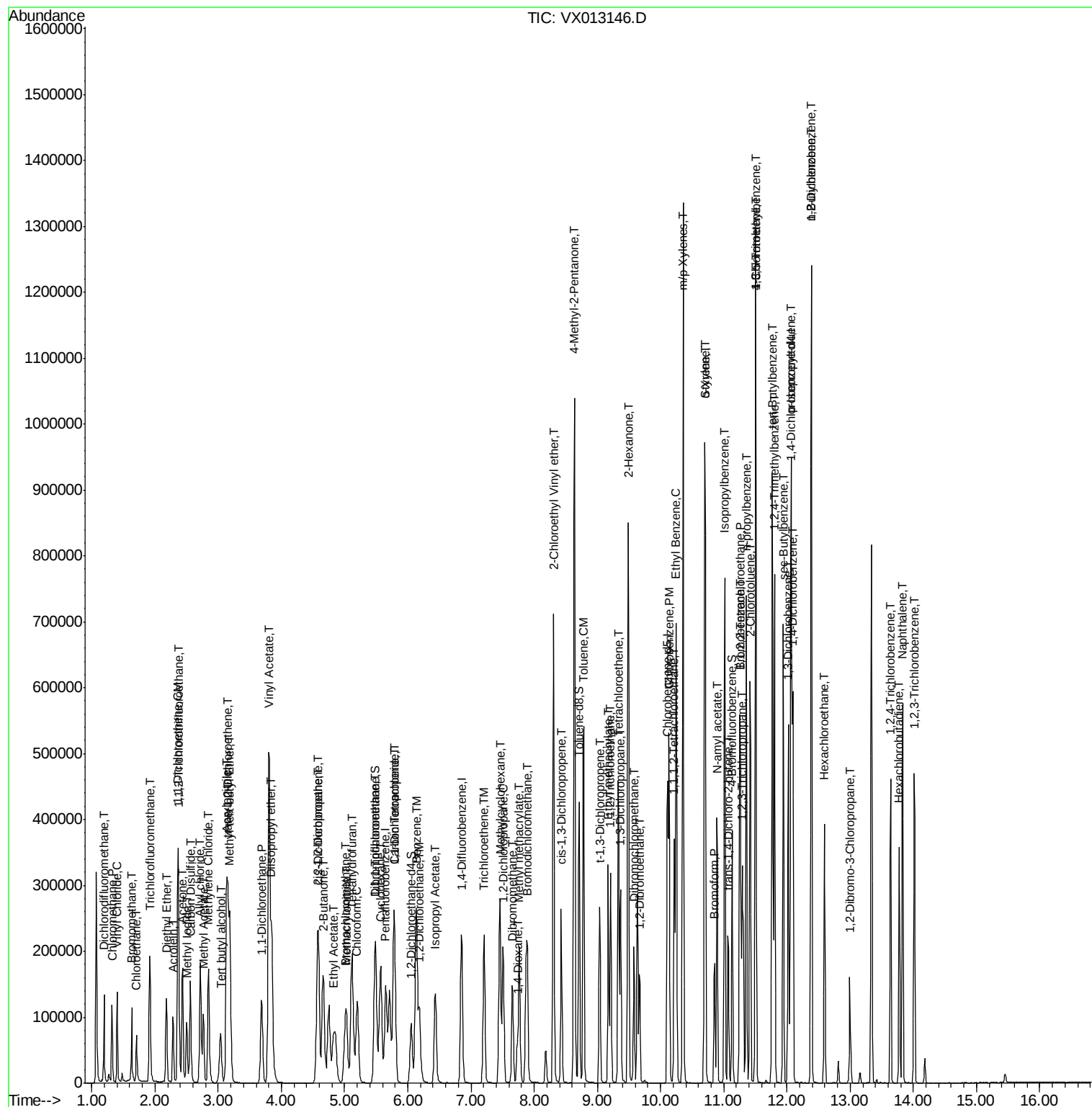
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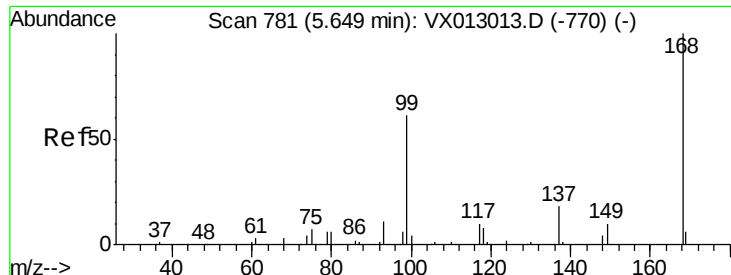
Instrument :
 MSVOA_X
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 137707

Ion Ratio Lower Upper

168 100

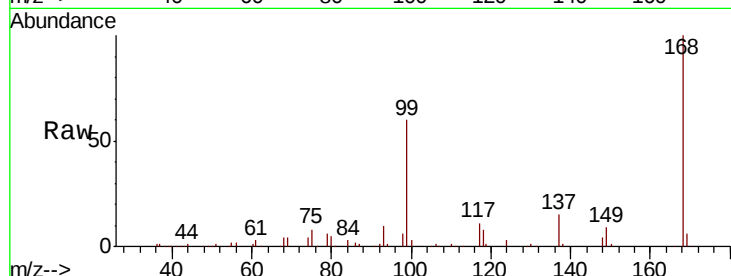
99 59.6 49.4 74.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

50000

40000

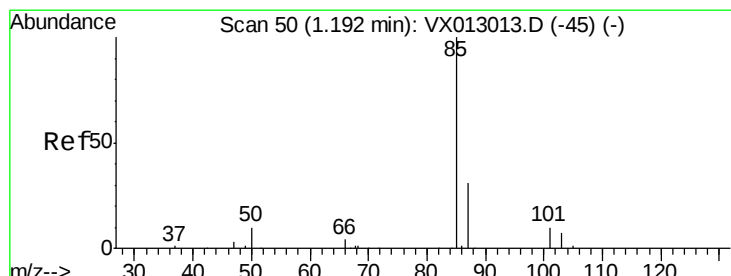
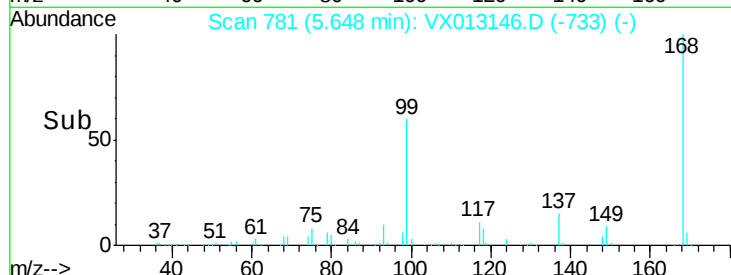
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 58.514 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013146.D

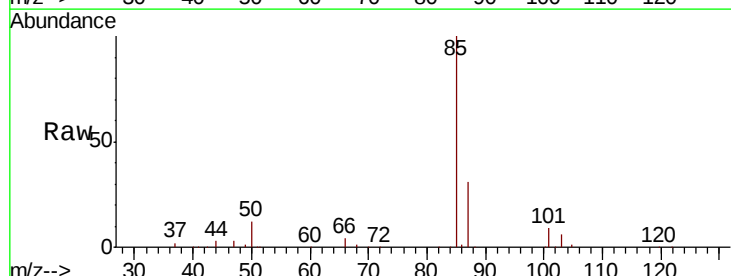
Acq: 18 Oct 2019 22:34

Tgt Ion: 85 Resp: 82135

Ion Ratio Lower Upper

85 100

87 30.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

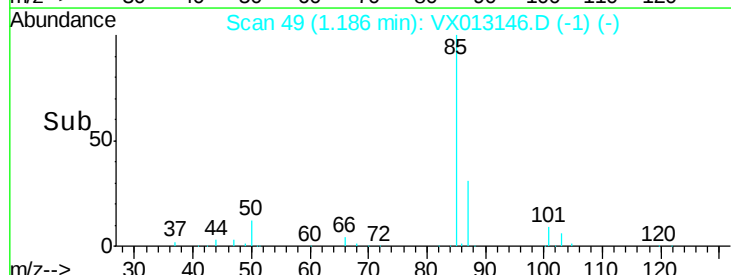
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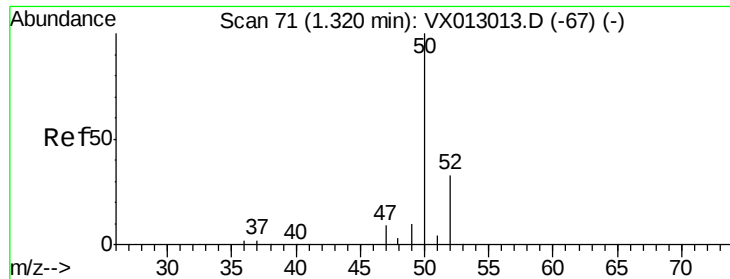
40000

20000

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Time-->





#3

Chloromethane

Concen: 49.787 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 76057

Ion Ratio Lower Upper

50 100

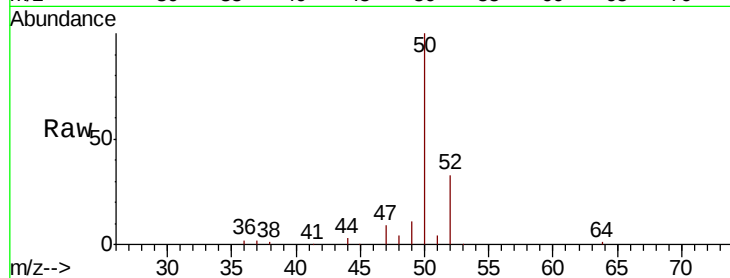
52 32.8 25.2 37.8

Manual Integrations

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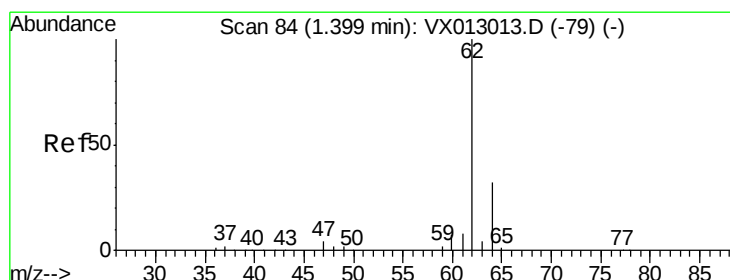
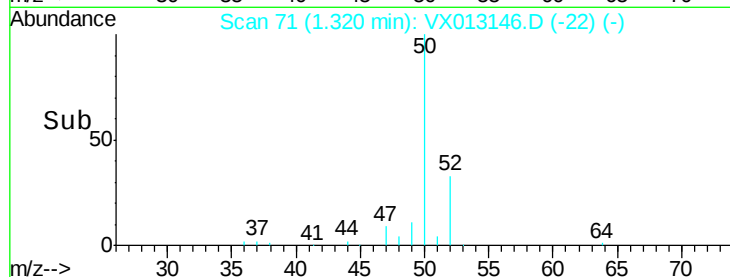
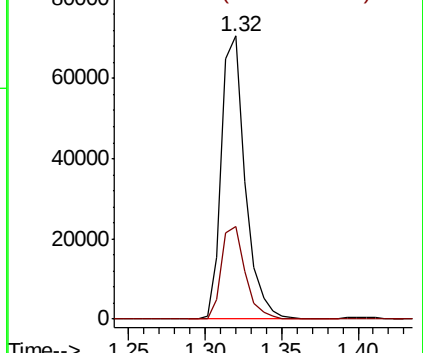
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.888 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013146.D

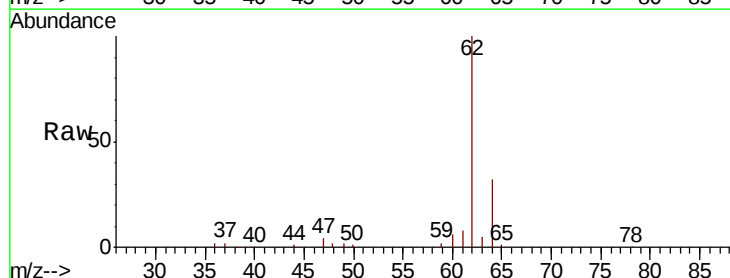
Acq: 18 Oct 2019 22:34

Tgt Ion: 62 Resp: 80237

Ion Ratio Lower Upper

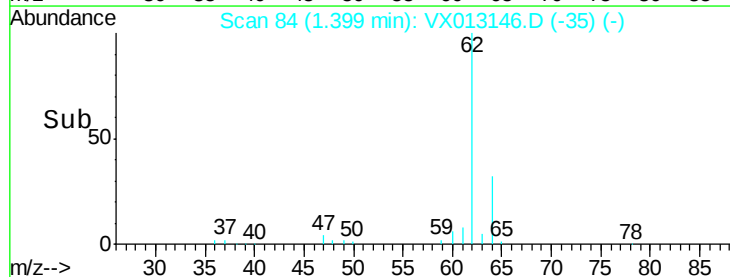
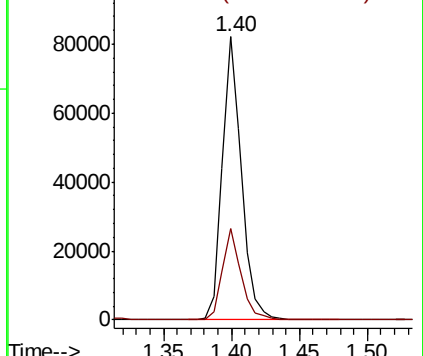
62 100

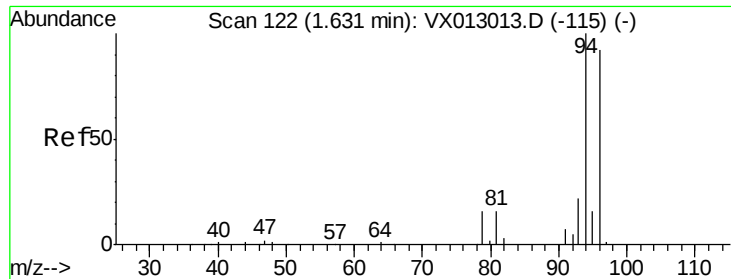
64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 58.451 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 38311

Ion Ratio Lower Upper

94 100

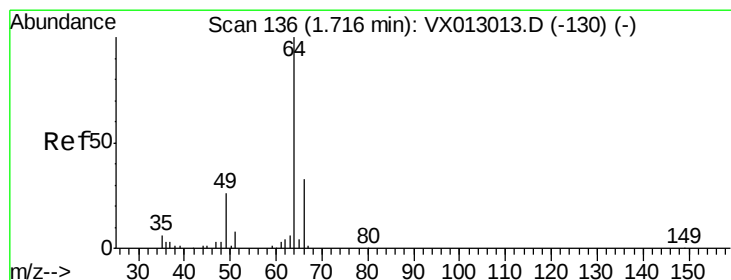
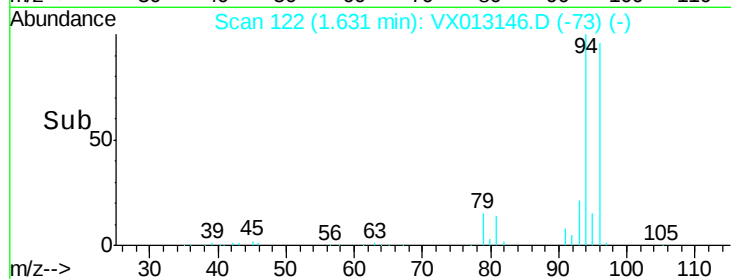
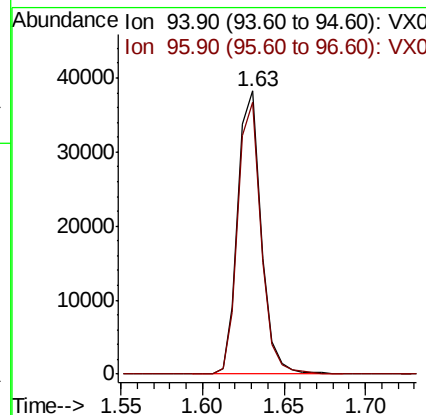
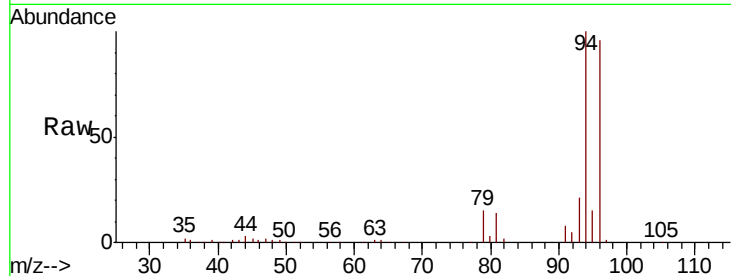
96 96.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 50.222 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX013146.D

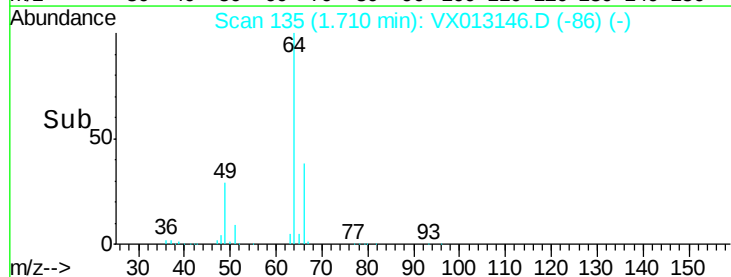
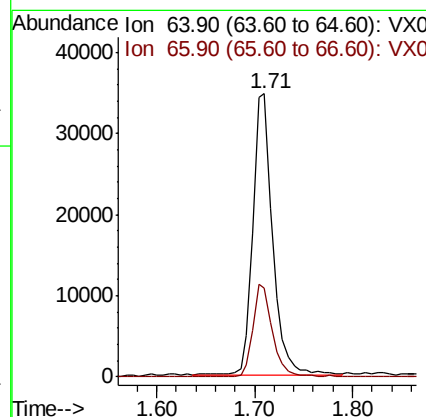
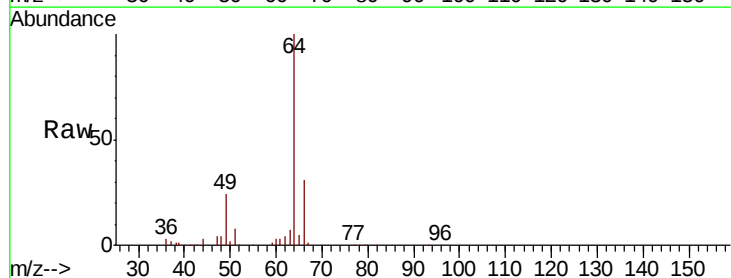
Acq: 18 Oct 2019 22:34

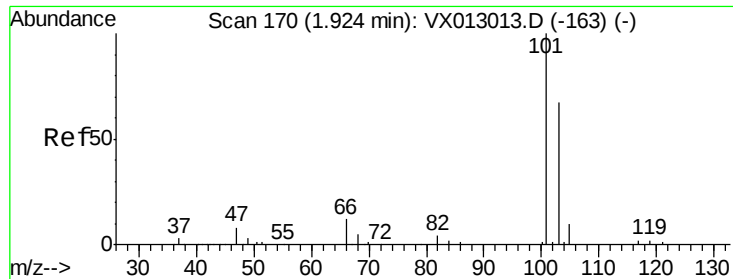
Tgt Ion: 64 Resp: 48372

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

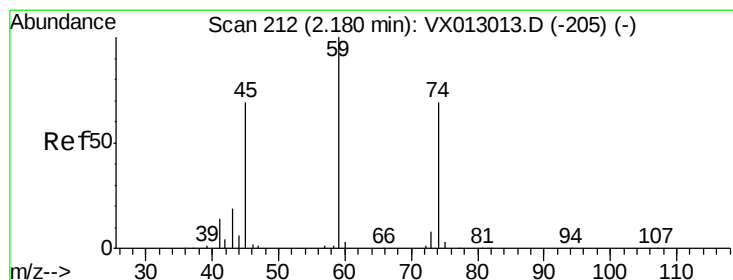
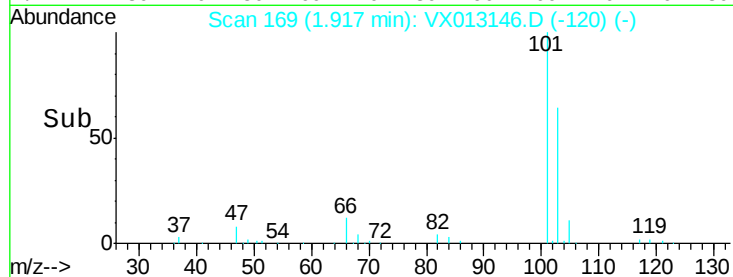
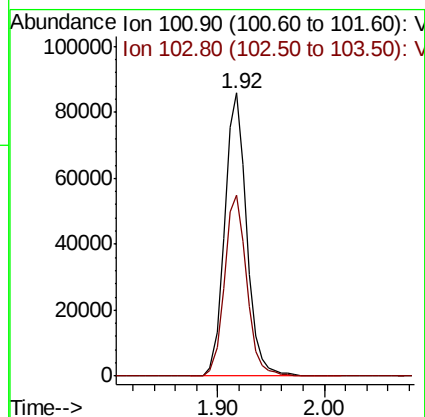
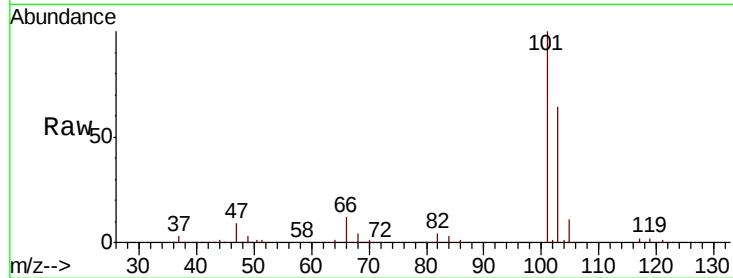
Trichlorofluoromethane
Concen: 58.309 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		124090		
103	63.9	52.5	78.7		

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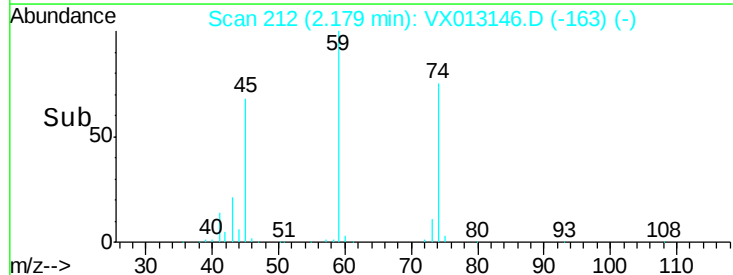
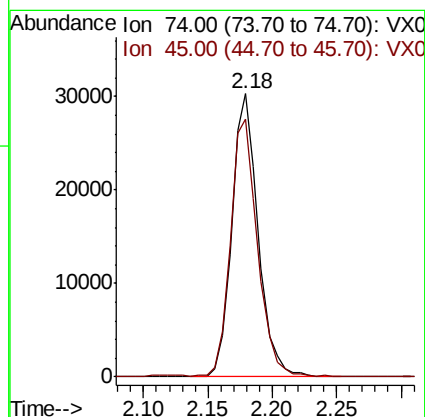
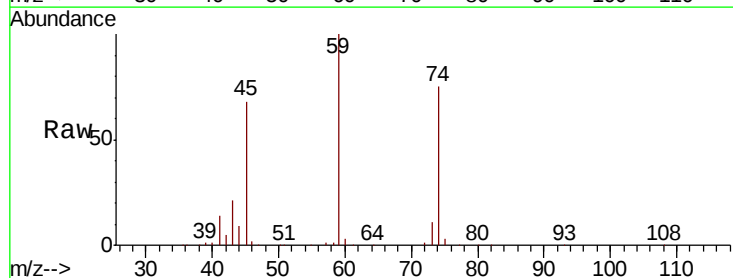
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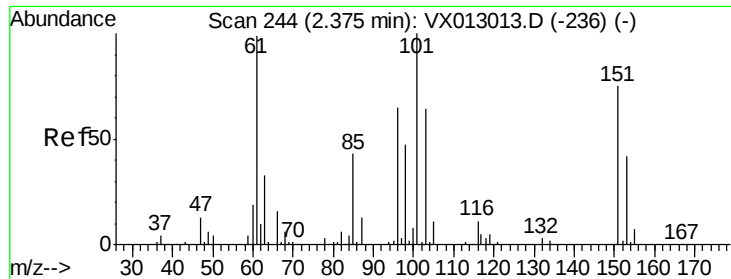


#8

Diethyl Ether
Concen: 50.228 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		43146		
45	94.5	47.8	143.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.850 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

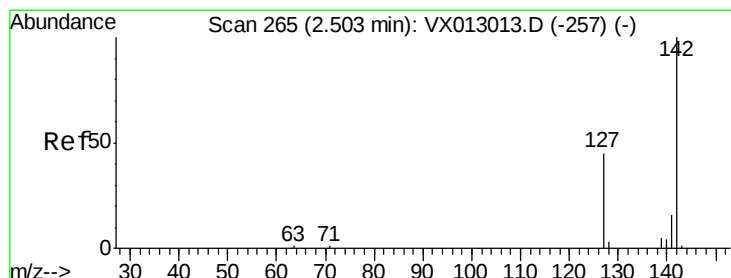
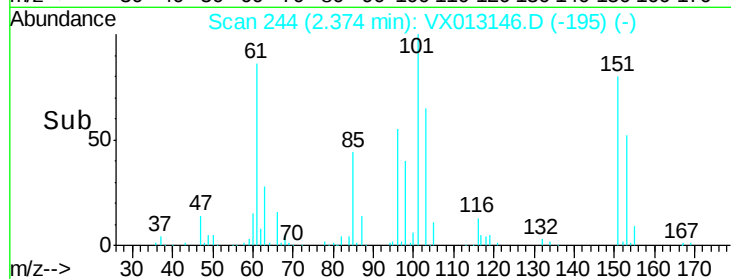
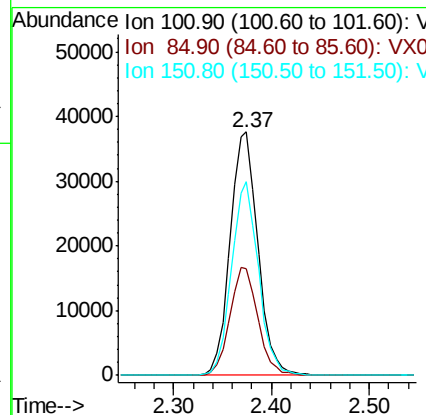
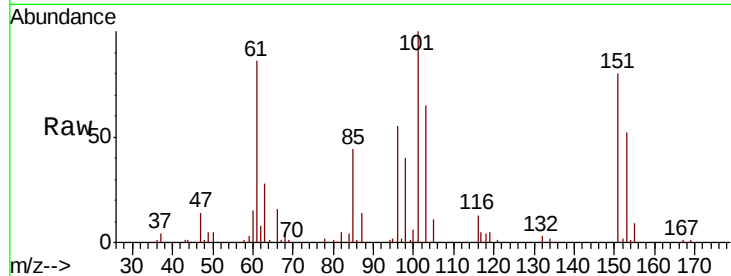
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	74169
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	77.1	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 61.420 ug/l

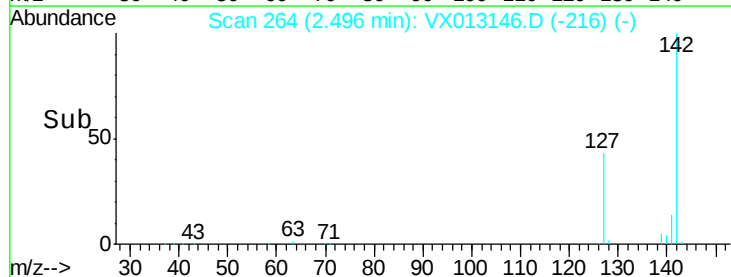
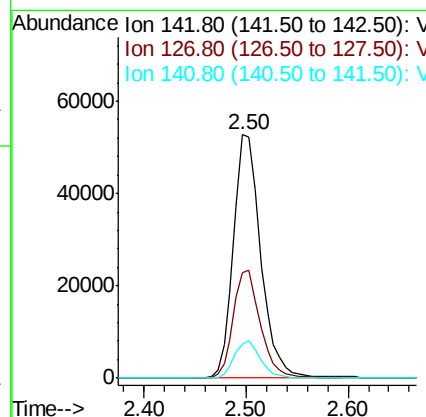
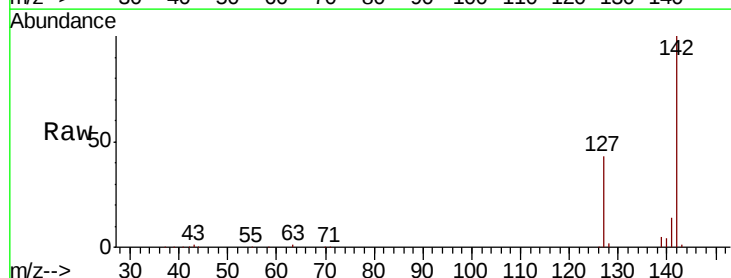
RT: 2.50 min Scan# 264

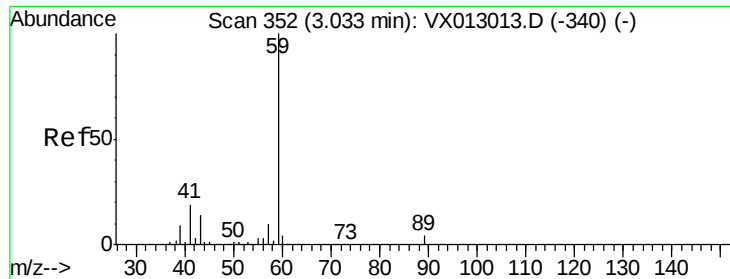
Delta R.T. -0.01 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion:	142	Resp:	97854
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.9	52.3
141	14.6	11.6	17.4





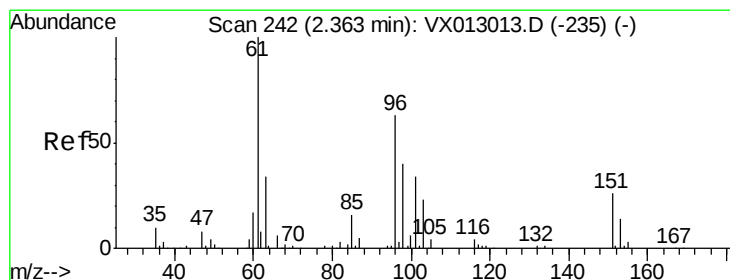
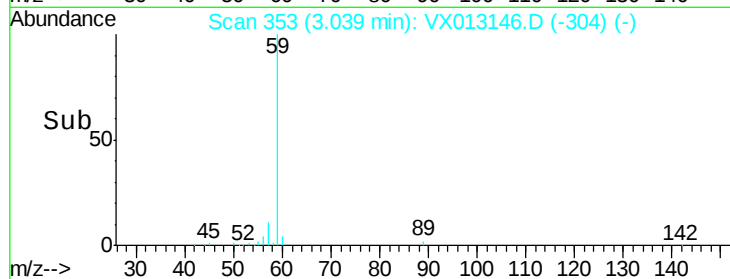
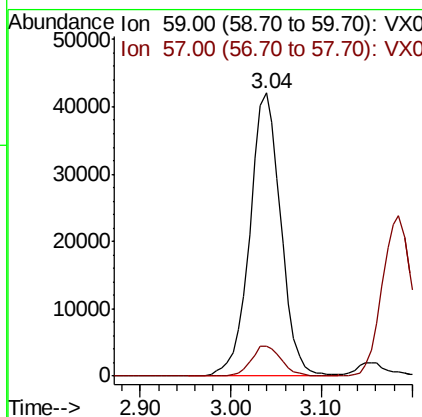
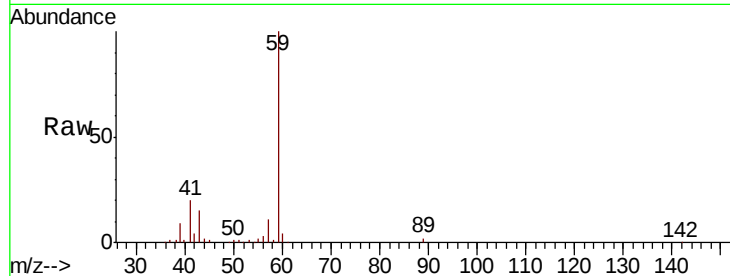
#11
Tert butyl alcohol
Concen: 218.573 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	99727
Ion Ratio	100	Lower	Upper
57	10.3	8.3	12.5

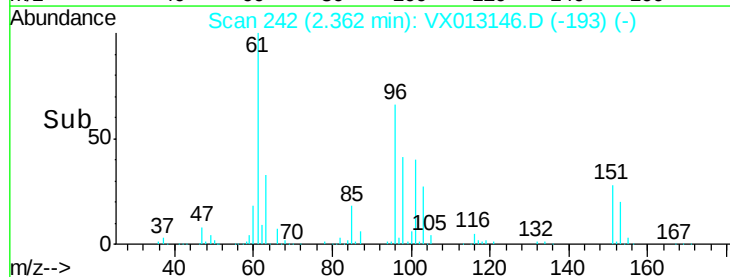
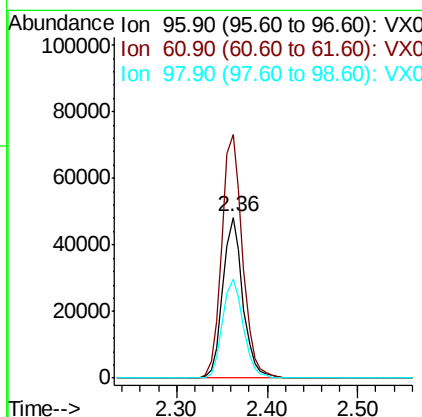
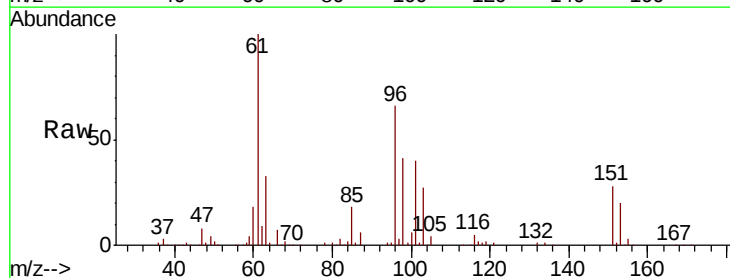
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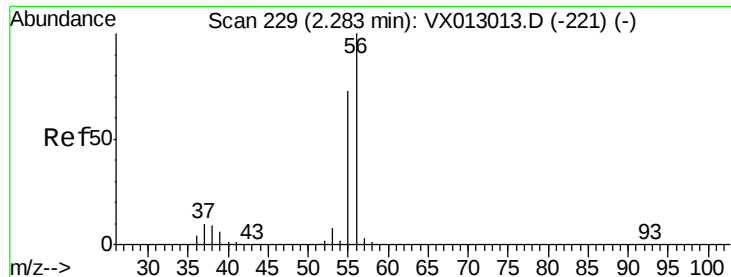
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.513 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	96	Resp	74469
Ion Ratio	100	Lower	Upper
61	151.5	132.2	198.4
98	61.5	50.5	75.7





#13

Acrolein

Concen: 219.440 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71153

Ion Ratio Lower Upper

56 100

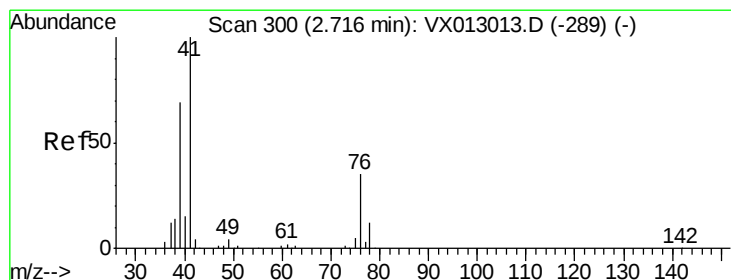
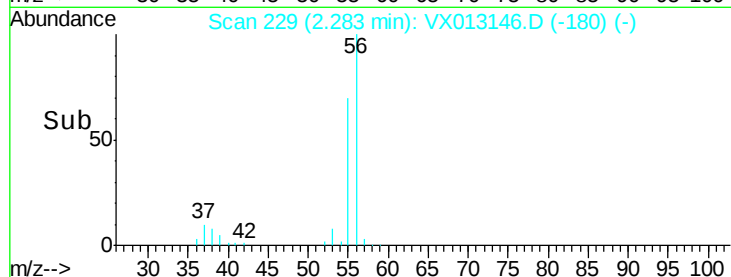
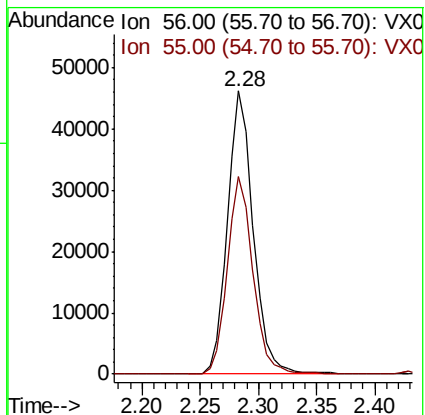
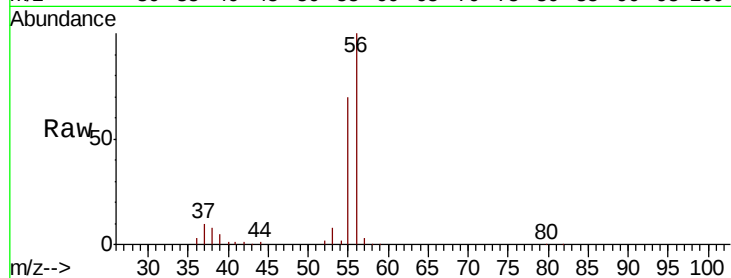
55 69.7 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 47.810 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

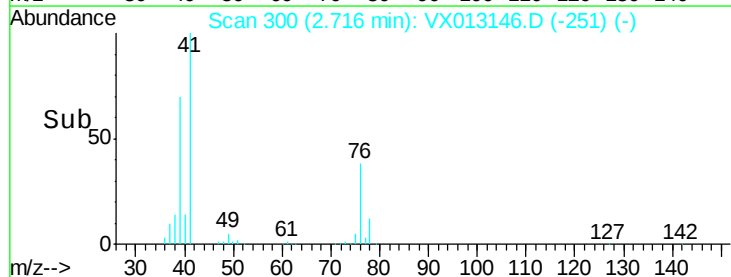
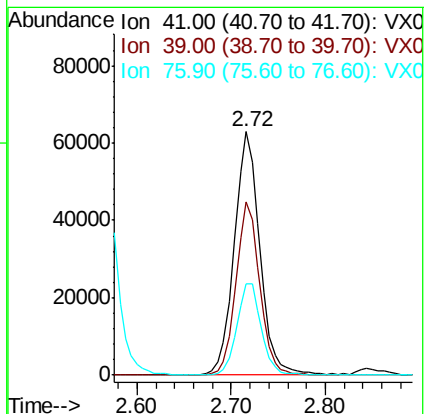
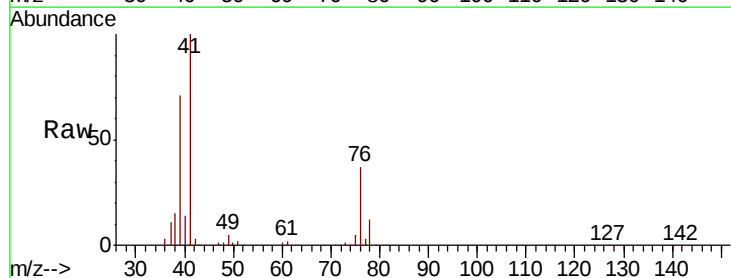
Tgt Ion: 41 Resp: 118485

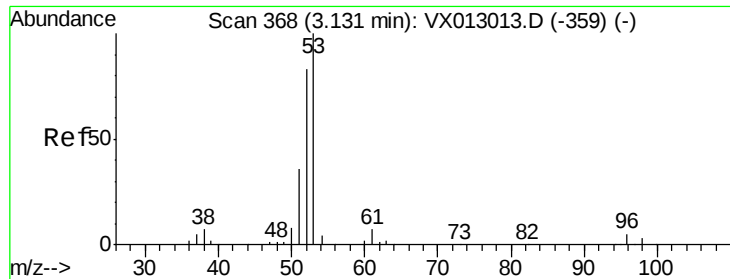
Ion Ratio Lower Upper

41 100

39 66.0 51.0 76.6

76 35.8 26.2 39.4





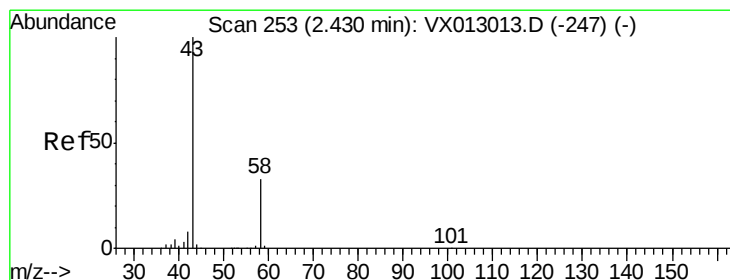
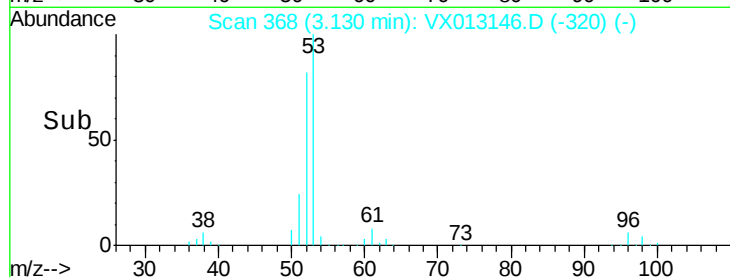
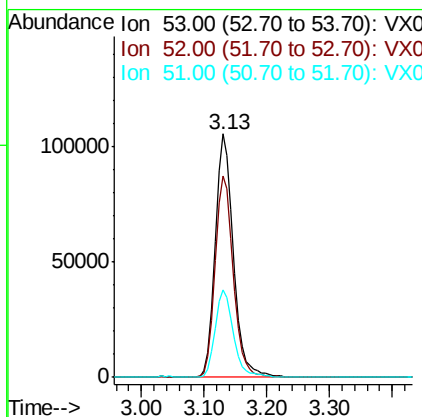
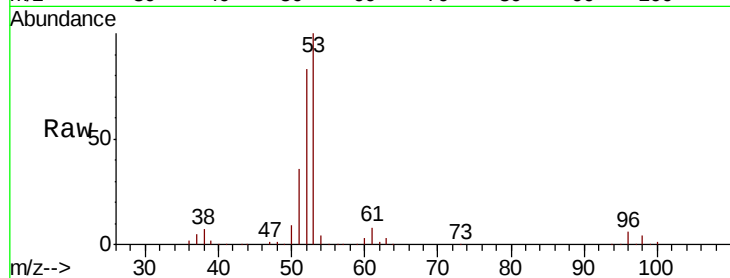
#15
 Acrylonitrile
 Concen: 244.674 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.3	28.2	42.4

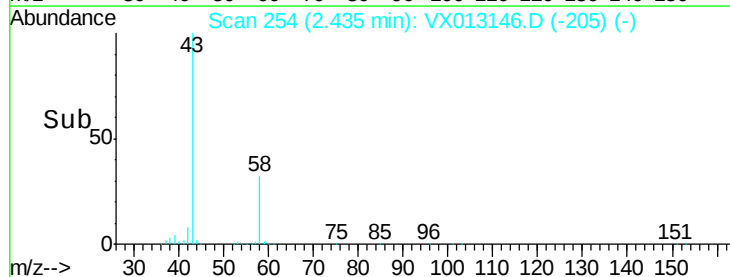
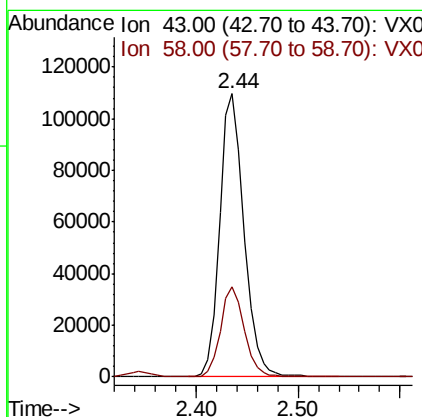
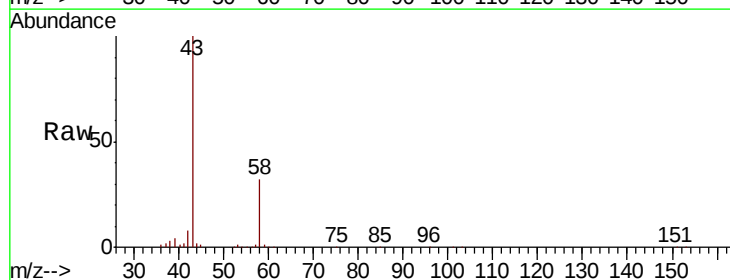
Manual Integrations
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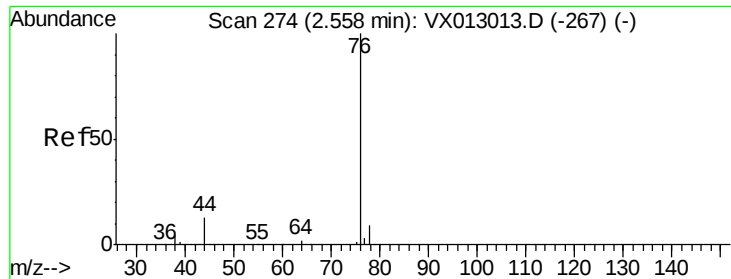
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#16
 Acetone
 Concen: 200.215 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.4	38.2





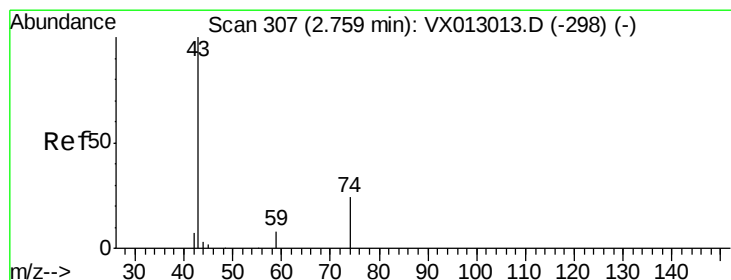
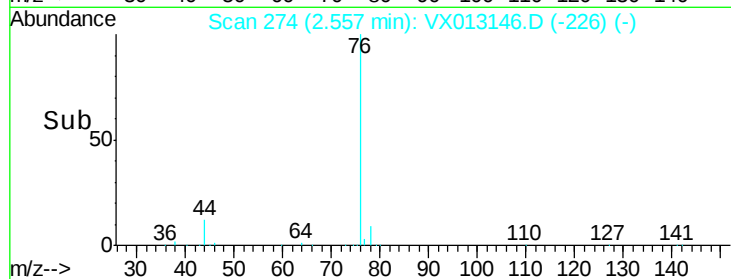
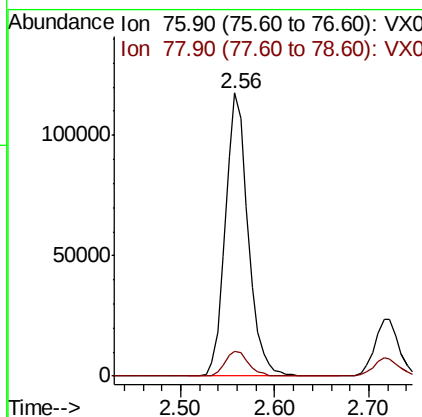
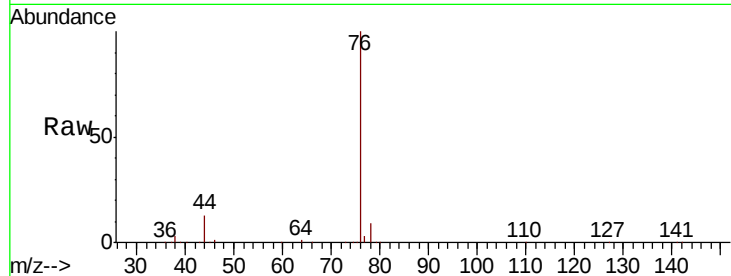
#17
Carbon Disulfide
Concen: 49.533 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

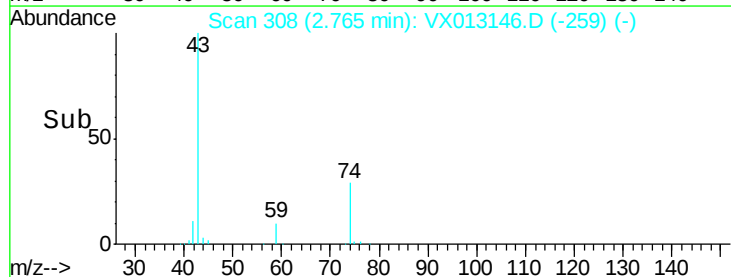
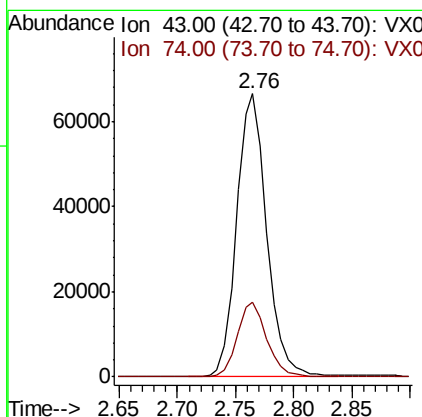
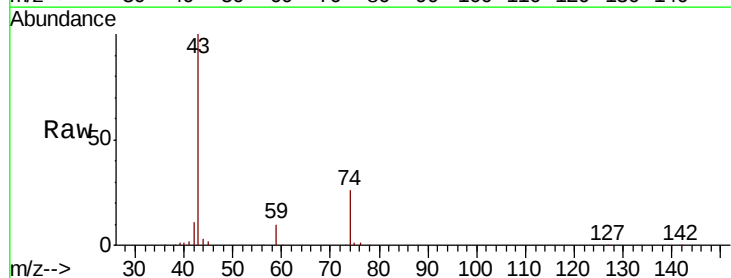
Manual Integrations
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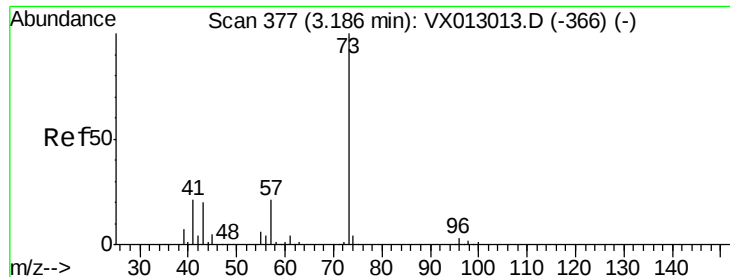
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#18
Methyl Acetate
Concen: 55.648 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.2	28.8





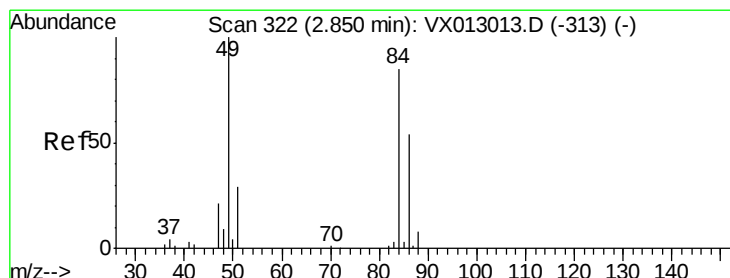
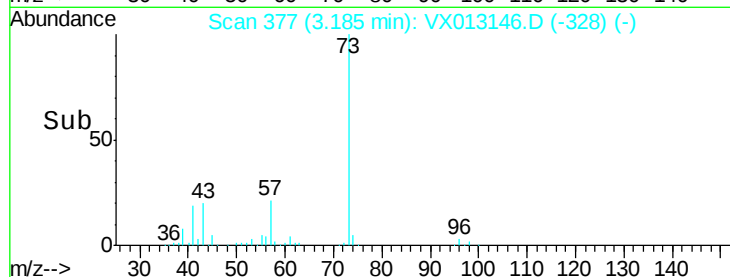
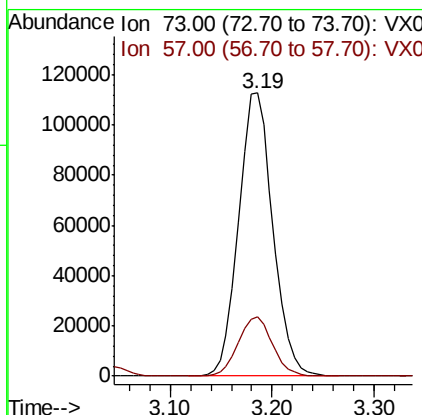
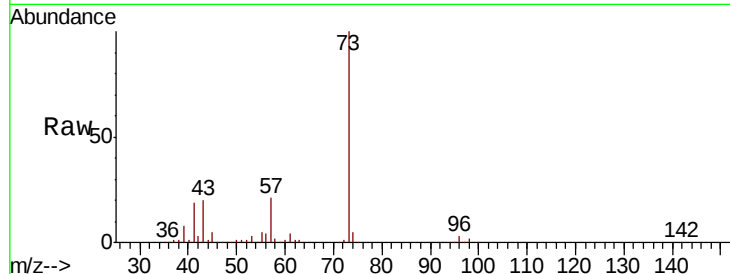
#19
Methyl tert-butyl Ether
Concen: 54.652 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.8	26.6

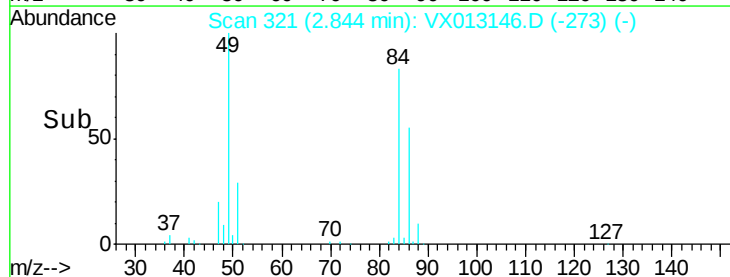
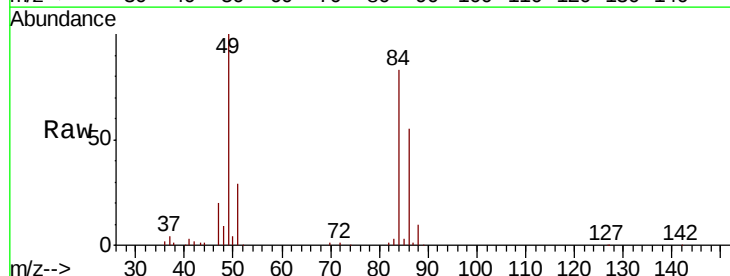
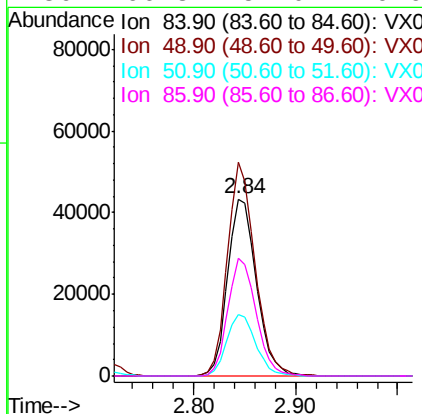
Manual Integrations
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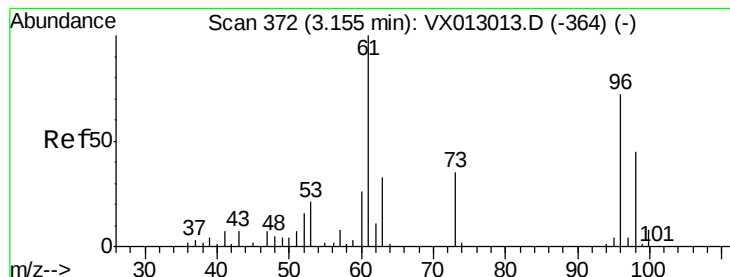
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#20
Methylene Chloride
Concen: 50.695 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	96.6	144.8
51	34.8	30.7	46.1
86	66.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 53.452 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 79726

Ion Ratio Lower Upper

96 100

61 136.4 110.4 165.6

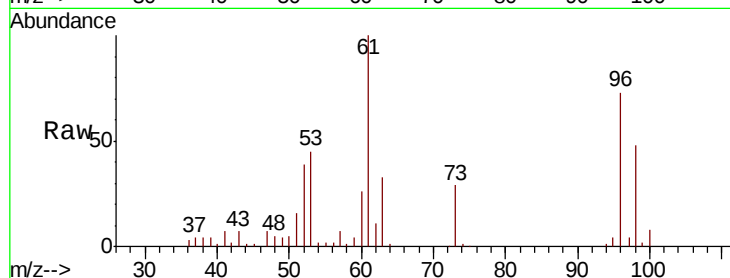
98 65.5 51.5 77.3

Manual Integrations

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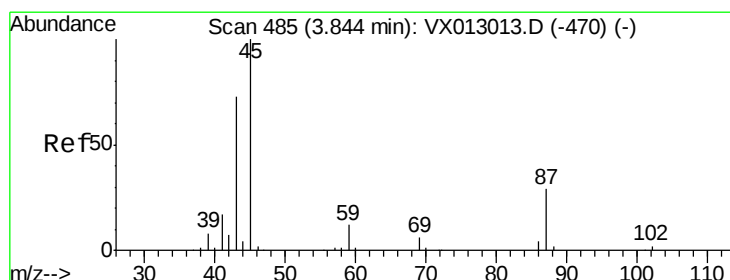
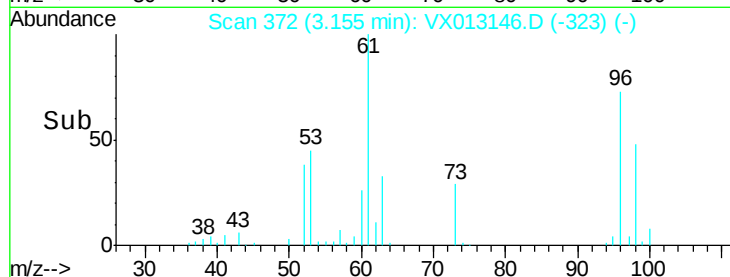
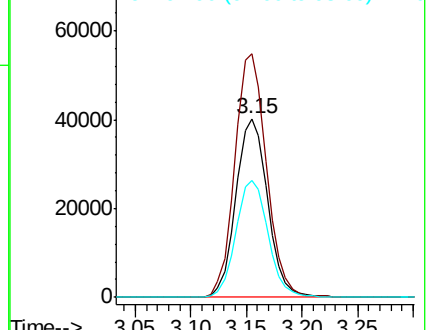
10/21/2019 11:03:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.898 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion: 45 Resp: 236956

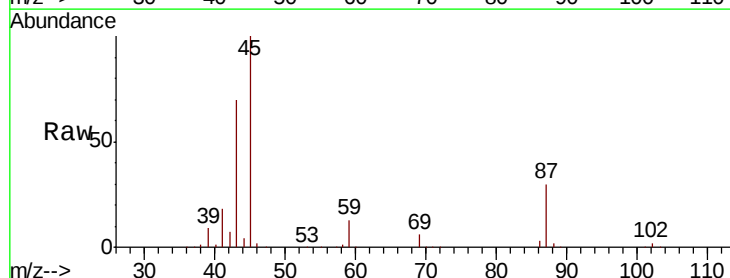
Ion Ratio Lower Upper

45 100

43 70.0 51.4 77.0

87 30.3 22.5 33.7

59 12.6 9.7 14.5

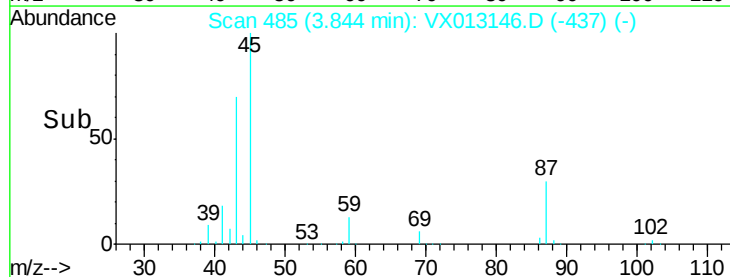
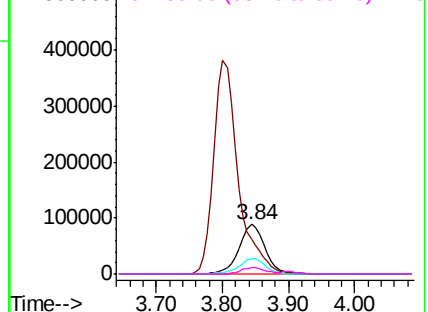


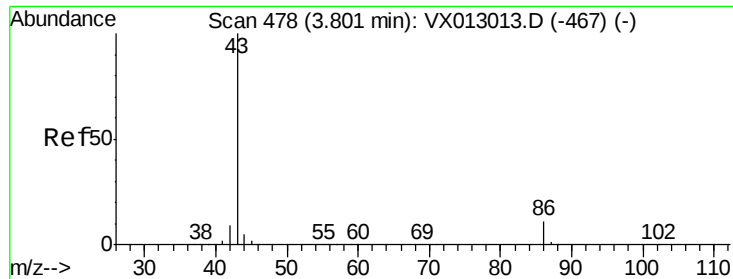
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 239.651 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 982447

Ion Ratio Lower Upper

43 100

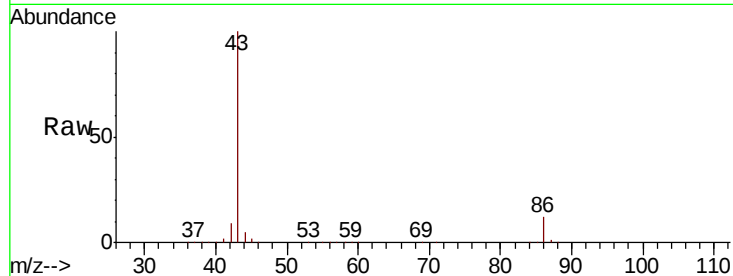
86 12.2 9.0 13.6

Manual Integrations

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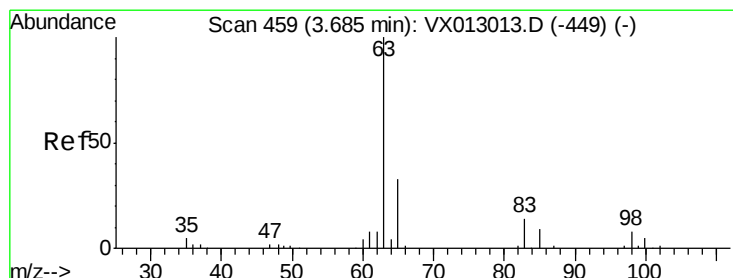
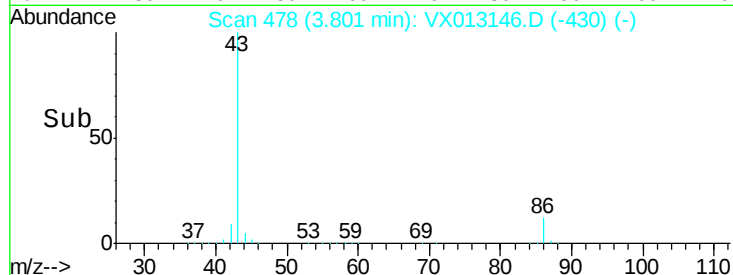
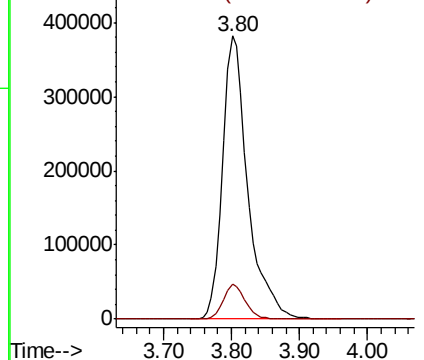
MMDadoda

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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: 52.996 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

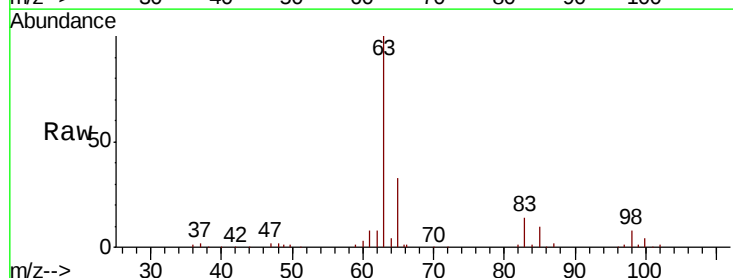
Tgt Ion: 63 Resp: 141582

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.5

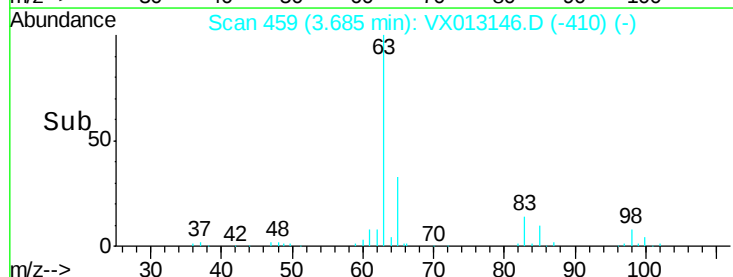
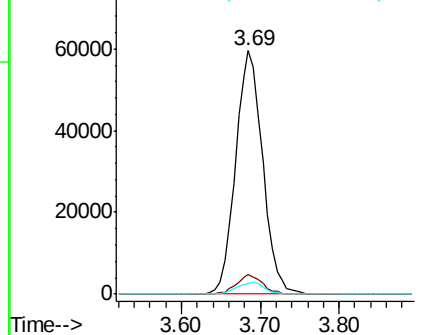
100 4.4 2.3 6.9

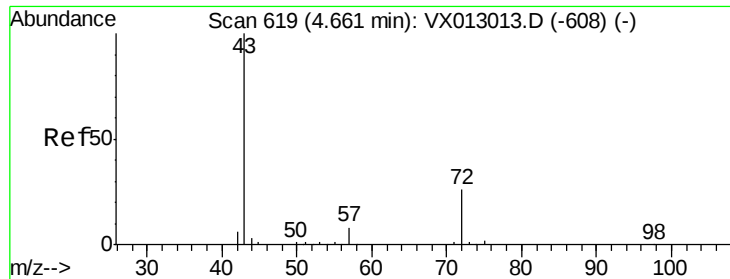


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 224.043 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 281991

Ion Ratio Lower Upper

43 100

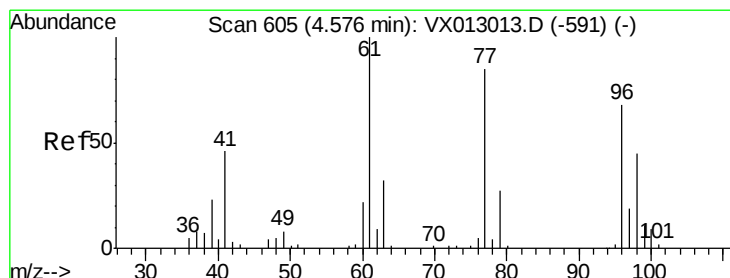
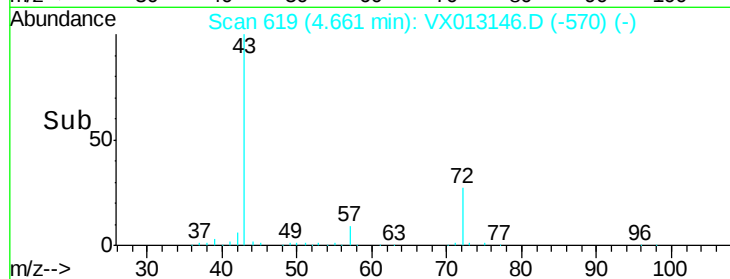
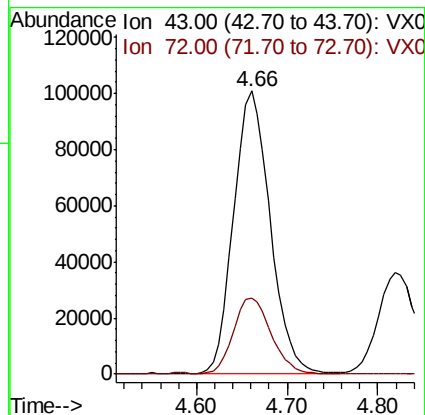
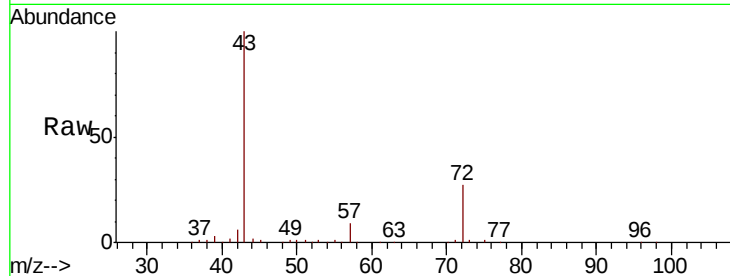
72 26.9 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 48.236 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX013146.D

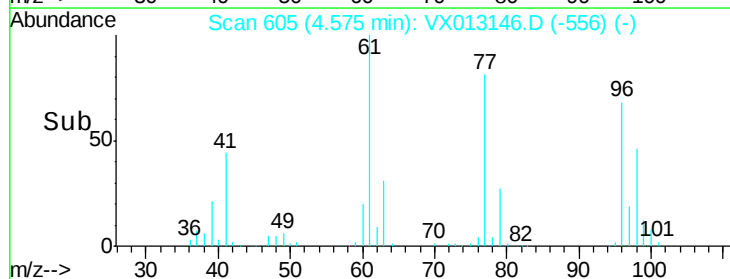
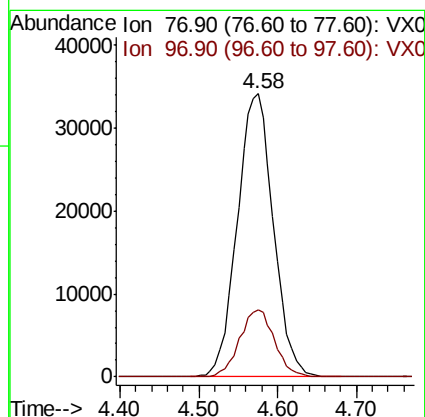
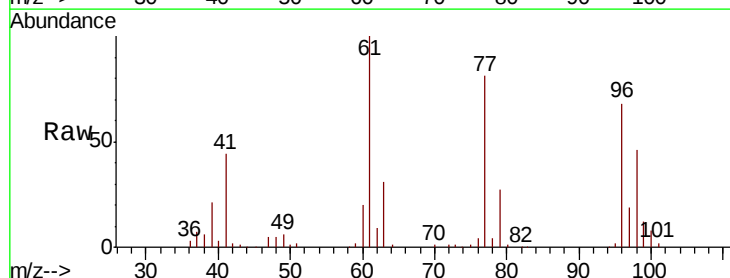
Acq: 18 Oct 2019 22:34

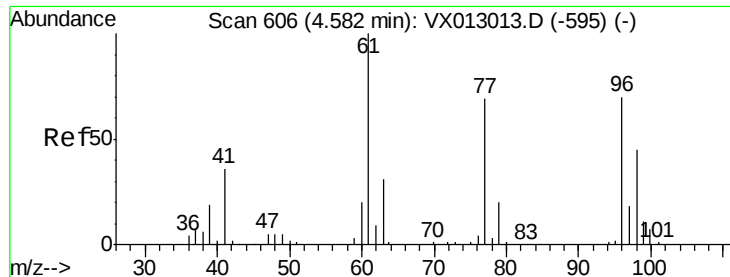
Tgt Ion: 77 Resp: 108364

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9





#27

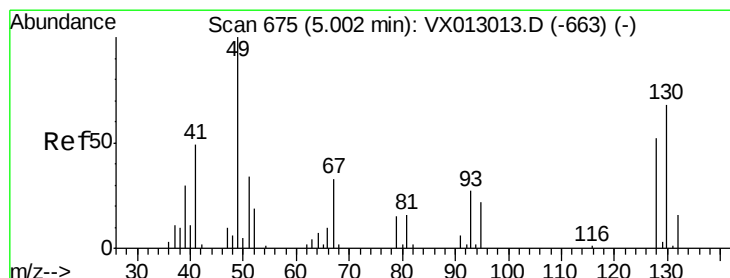
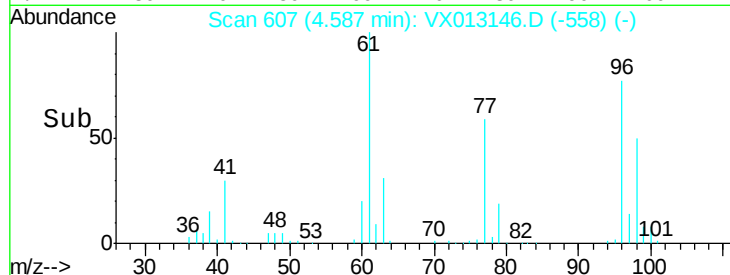
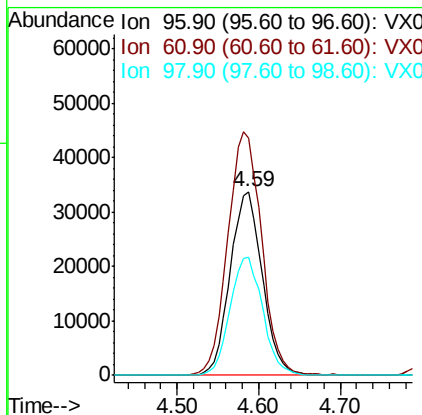
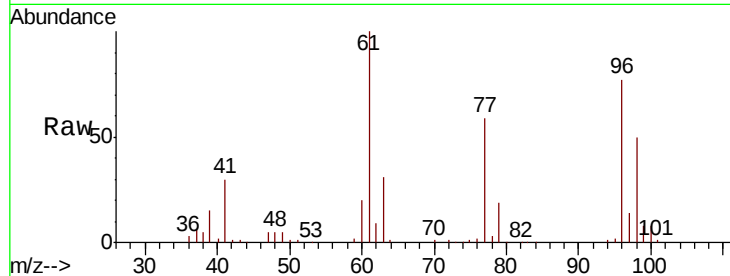
cis-1,2-Dichloroethene
Concen: 53.420 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	290.6
98	65.4	0.0	128.8

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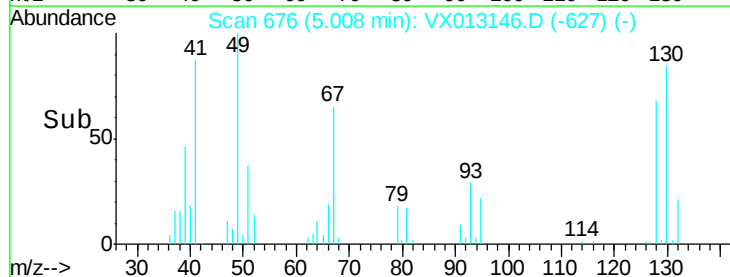
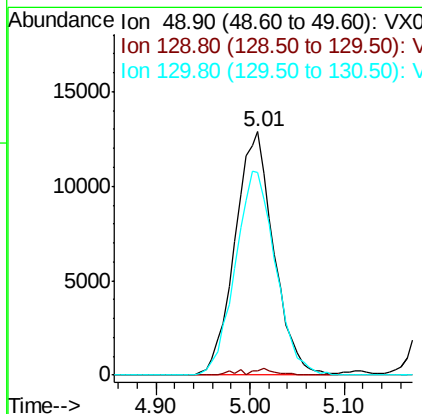
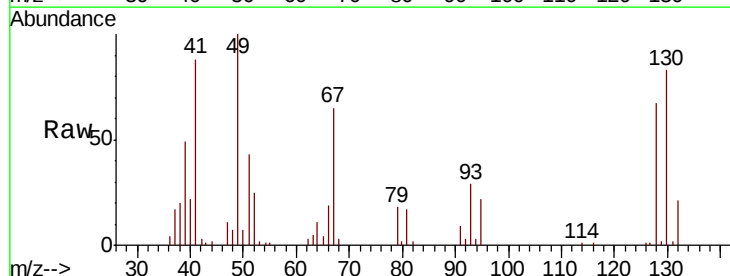
MMDadoda
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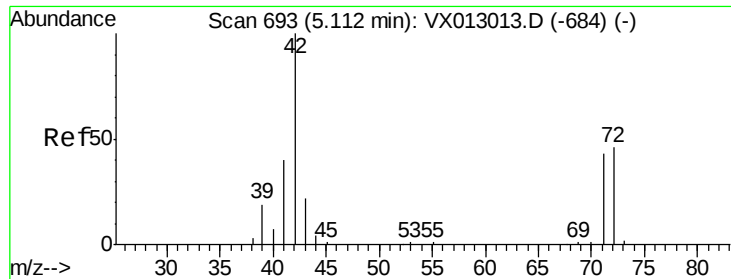


#28

Bromochloromethane
Concen: 46.359 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	86.8	62.1	93.1





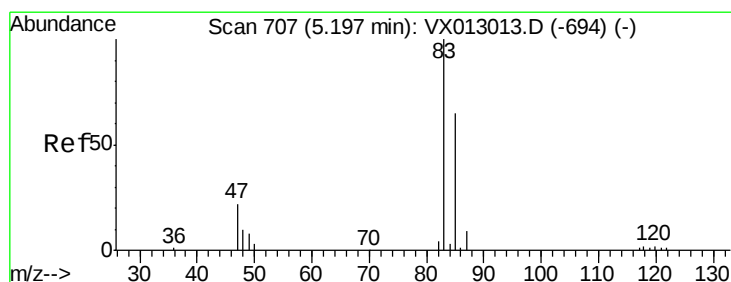
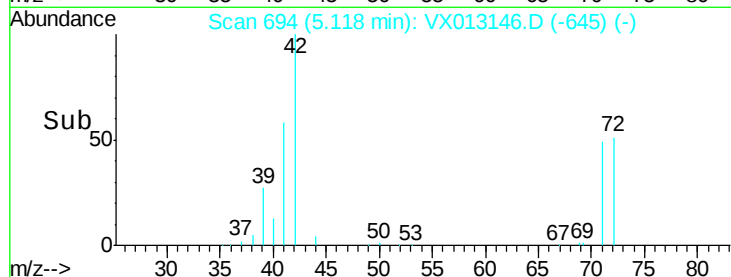
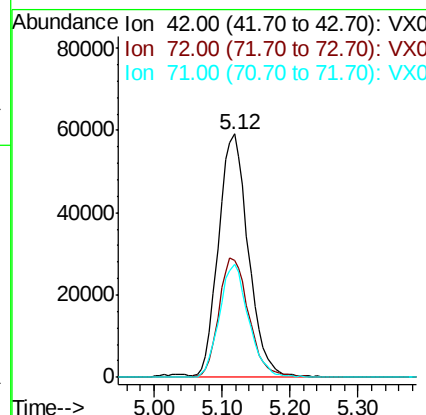
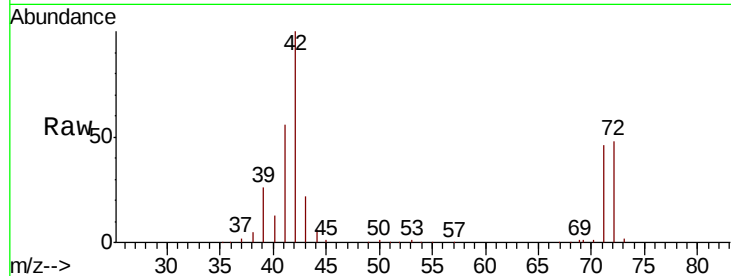
#29
Tetrahydrofuran
Concen: 232.594 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	36.9	55.3
71	45.7	33.5	50.3

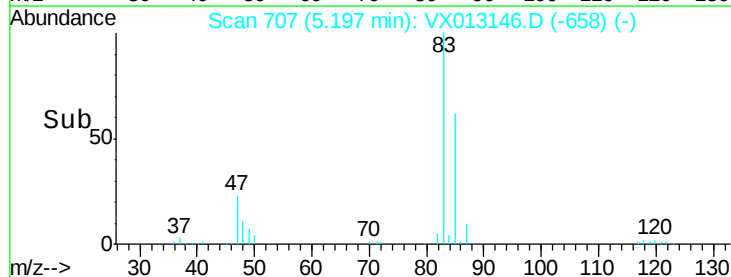
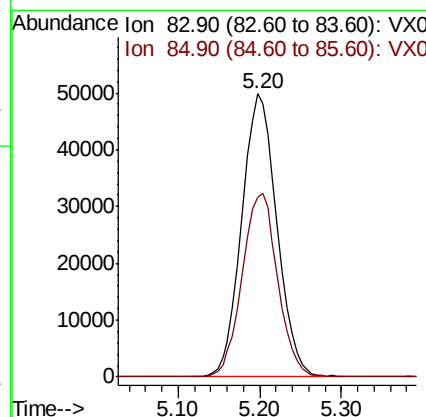
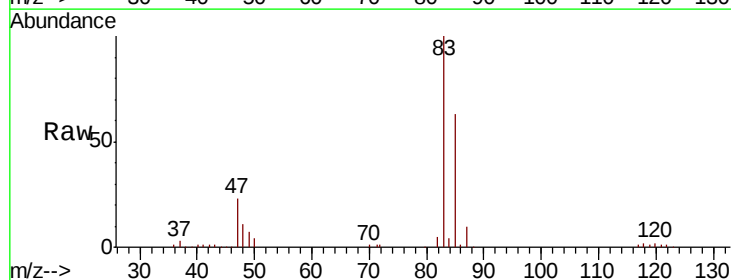
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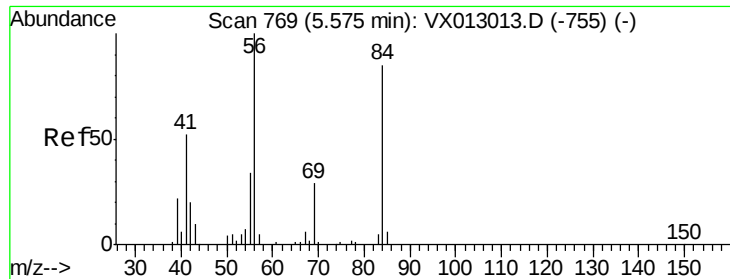
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#30
Chloroform
Concen: 54.473 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3





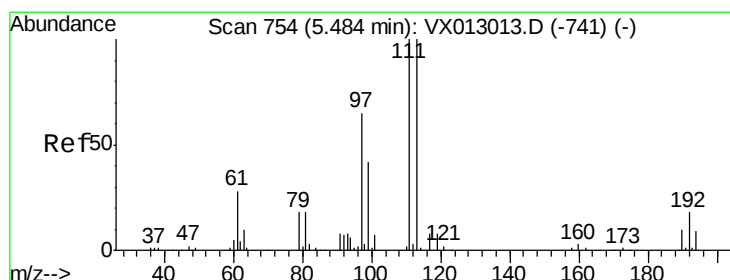
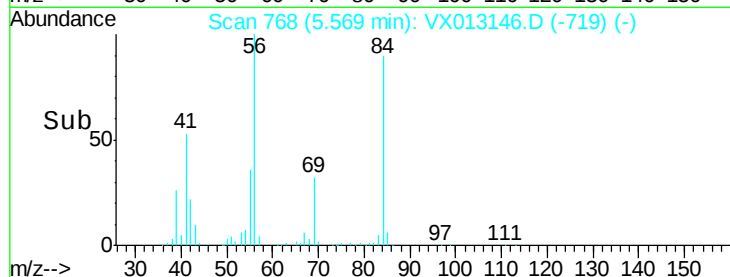
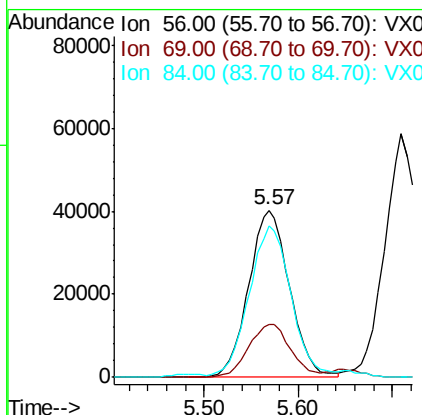
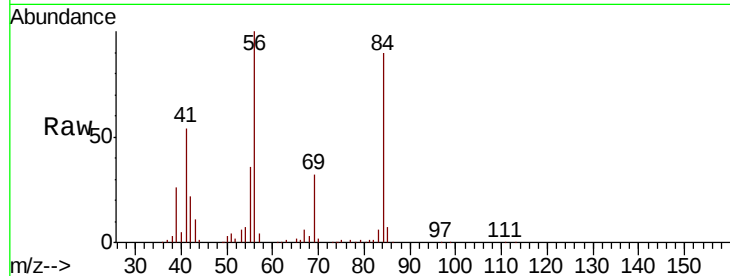
#31
Cyclohexane
Concen: 48.991 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.2	37.8
84	88.5	71.3	106.9

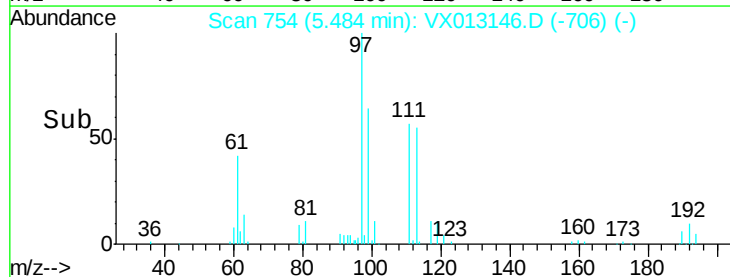
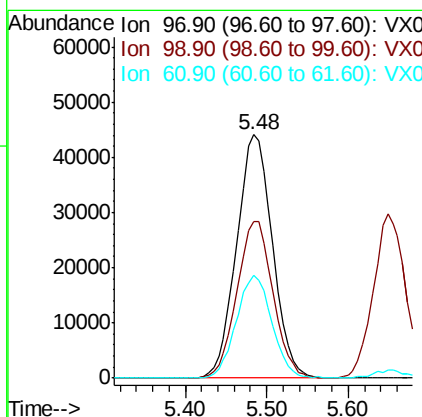
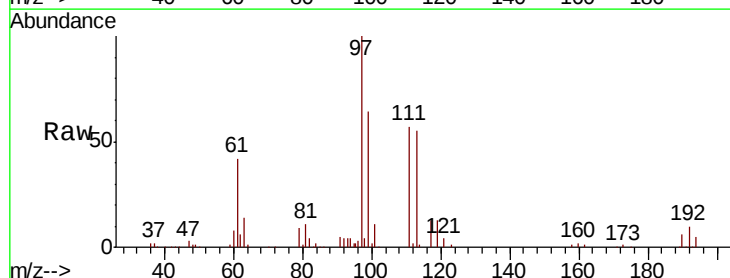
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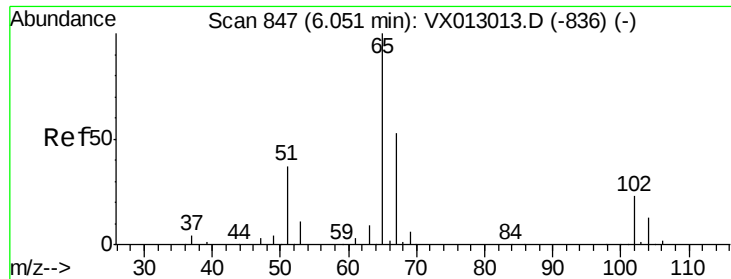
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#32
1,1,1-Trichloroethane
Concen: 57.910 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.3	78.5
61	42.1	35.0	52.4





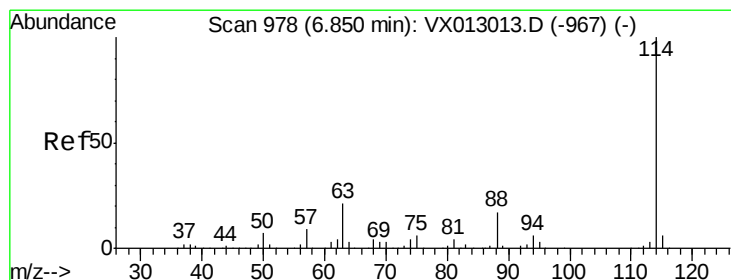
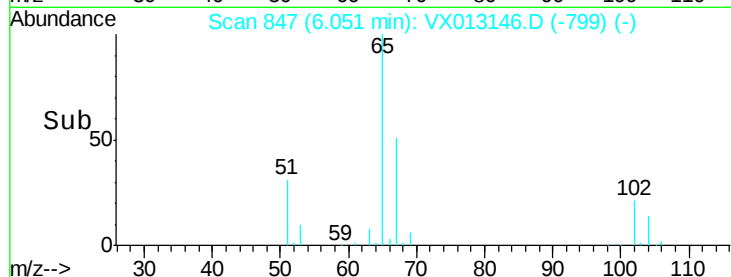
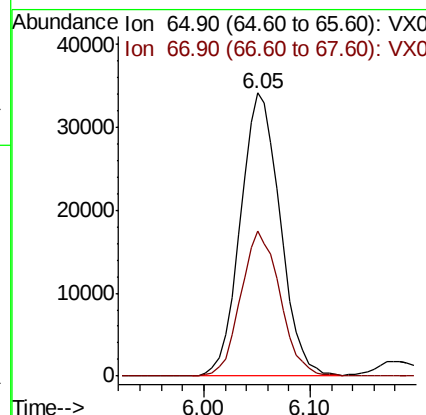
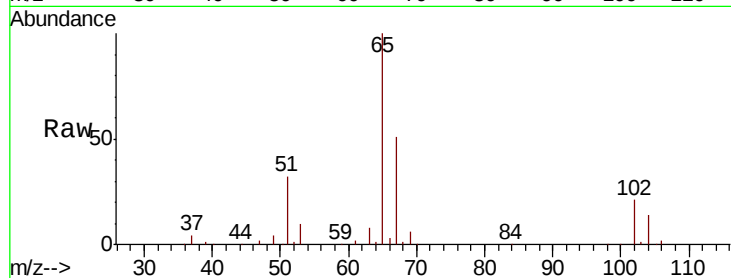
#33
 1,2-Dichloroethane-d4
 Concen: 51.920 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.4

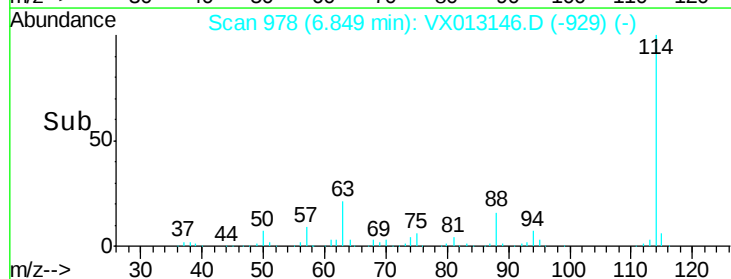
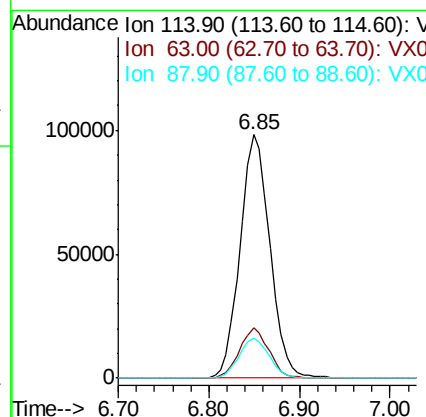
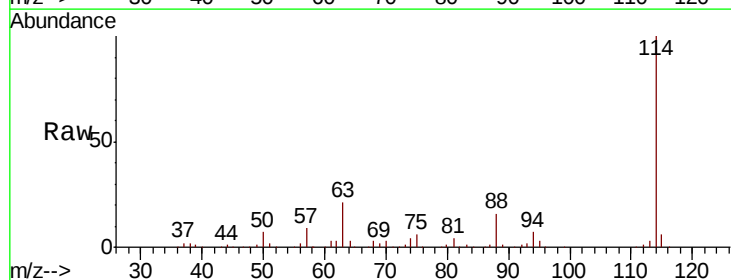
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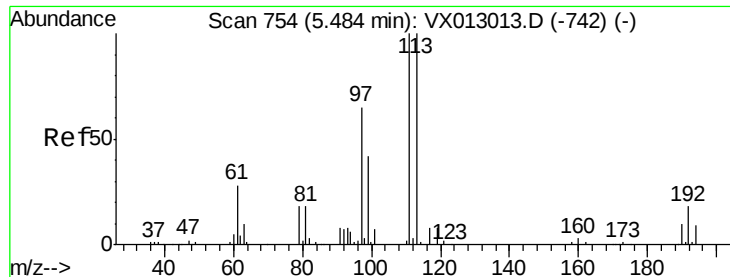
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	16.4	0.0	33.8





#35

Dibromofluoromethane

Concen: 54.516 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

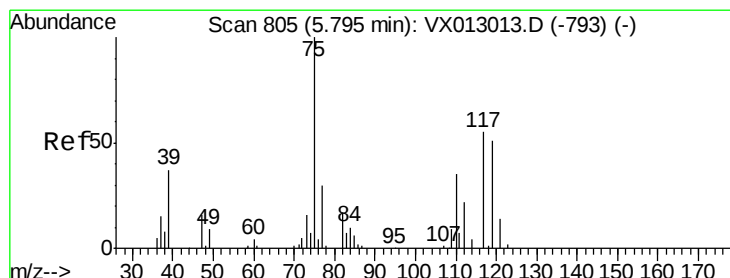
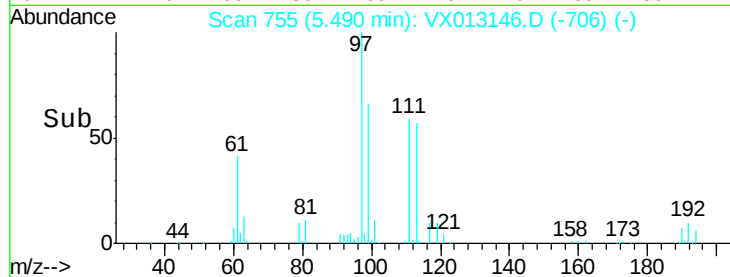
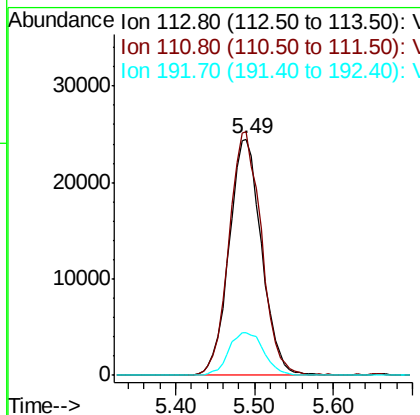
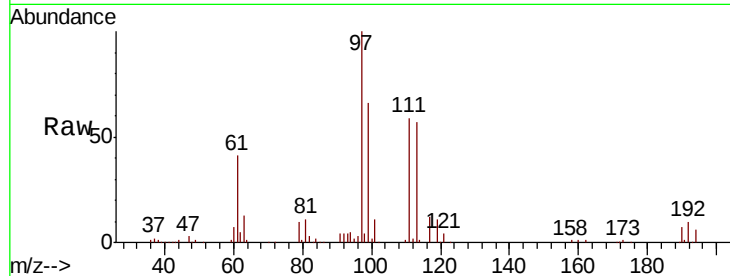
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	70091
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.2	124.8
192	19.7	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 55.067 ug/l

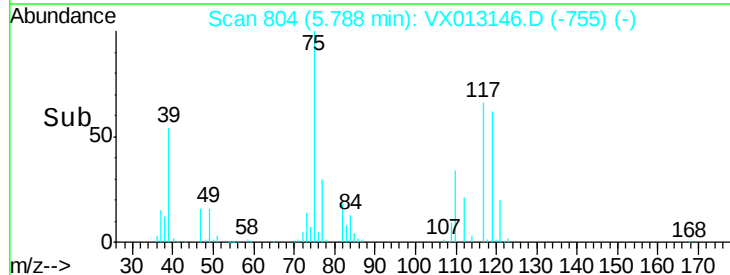
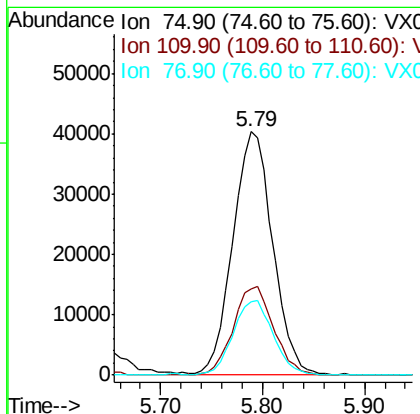
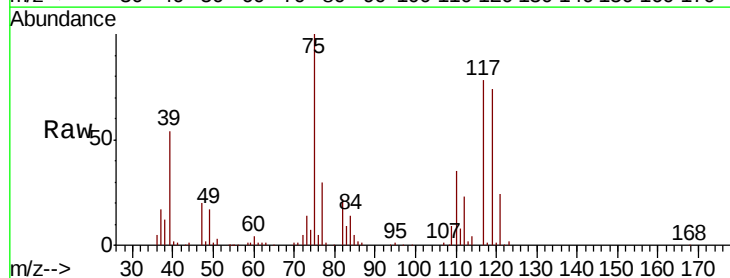
RT: 5.79 min Scan# 804

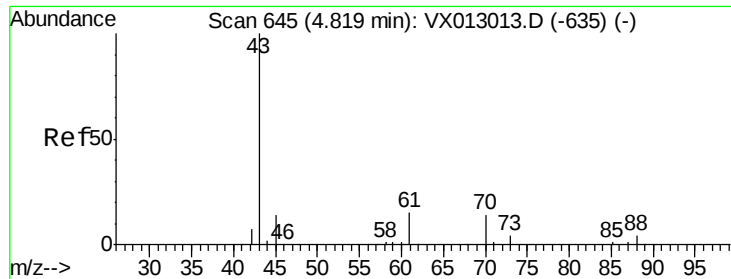
Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion:	75	Resp:	108454
Ion Ratio	Lower	Upper	
75	100		
110	37.0	17.6	52.9
77	31.4	24.4	36.6





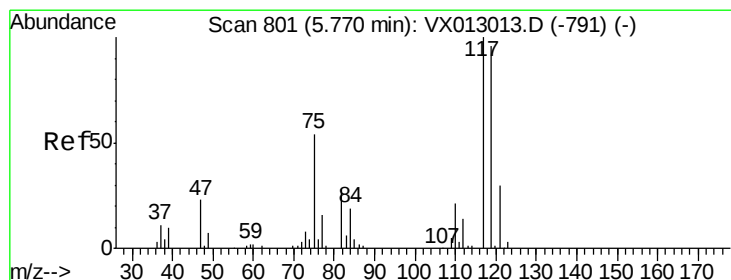
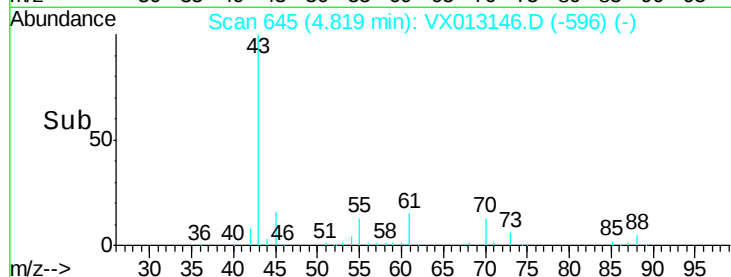
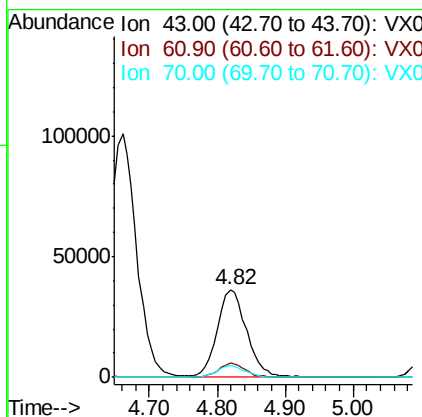
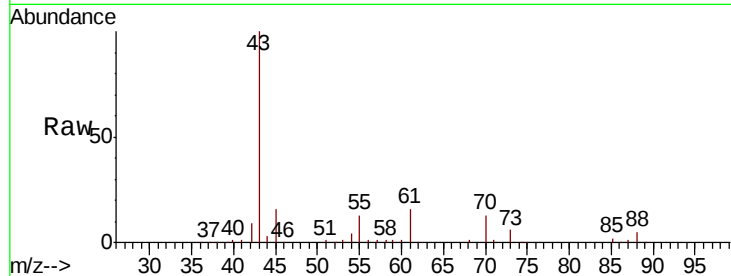
#37
Ethyl Acetate
Concen: 48.994 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.0
70	12.7	9.8	14.6

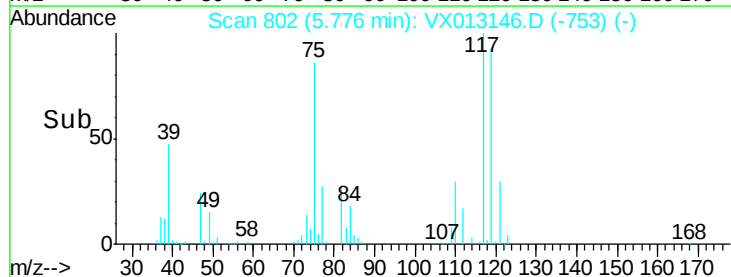
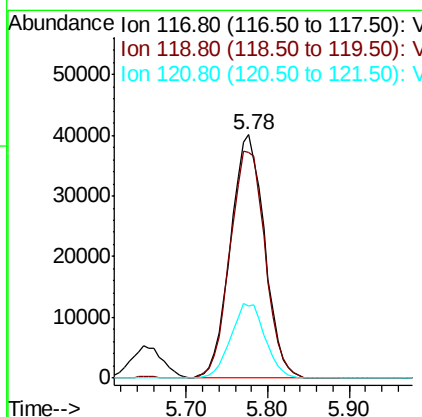
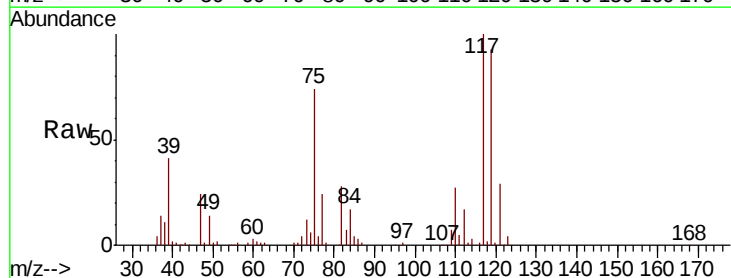
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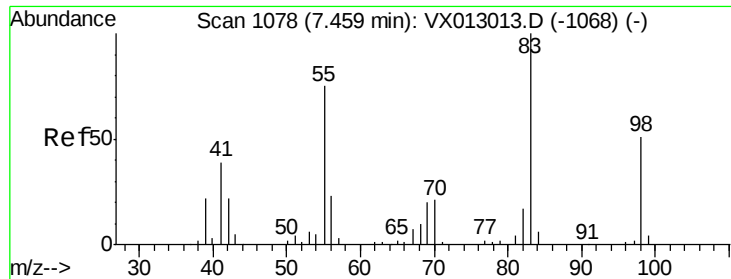
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#38
Carbon Tetrachloride
Concen: 60.472 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.5	111.7
121	29.4	24.2	36.4





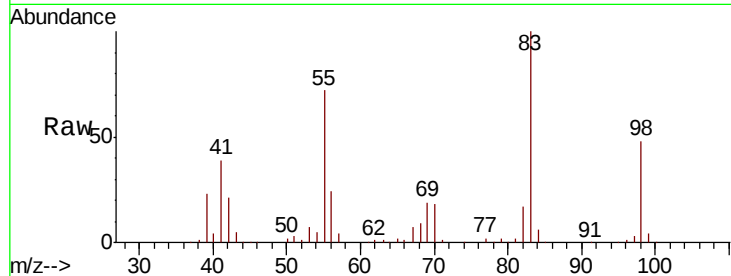
#39
Methvlcvclohexane
Concen: 53.795 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.2	60.2	90.4	
98	48.3	38.5	57.7	

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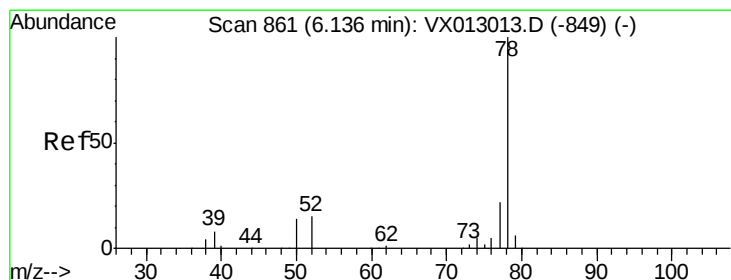
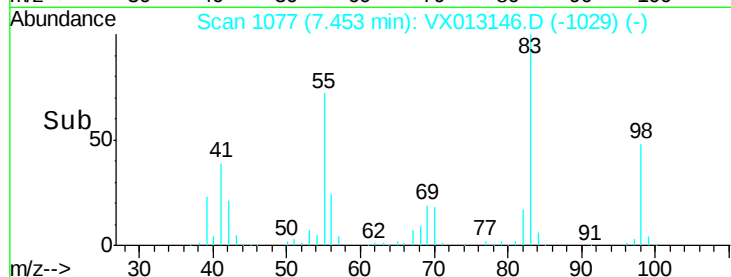
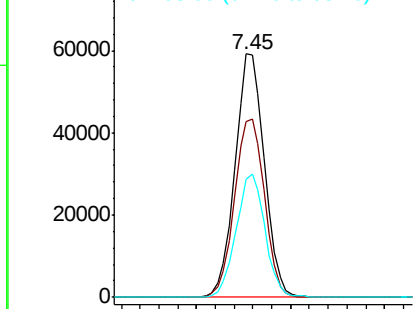


Abundance

Ion 83.00 (82.70 to 83.70): VX0

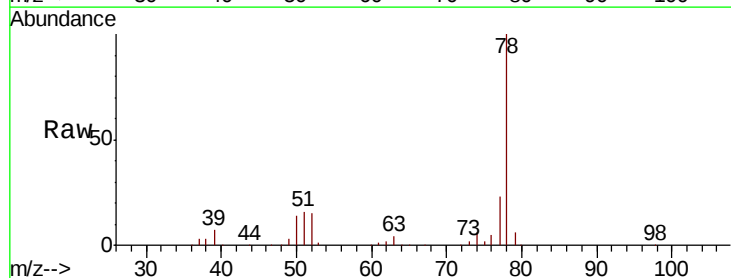
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 56.224 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

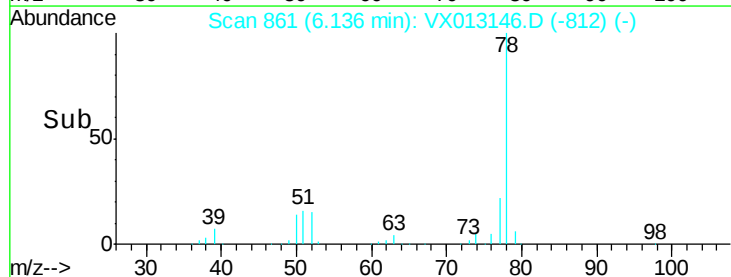
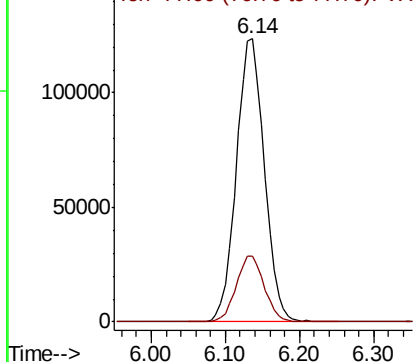
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	19.0	28.4	

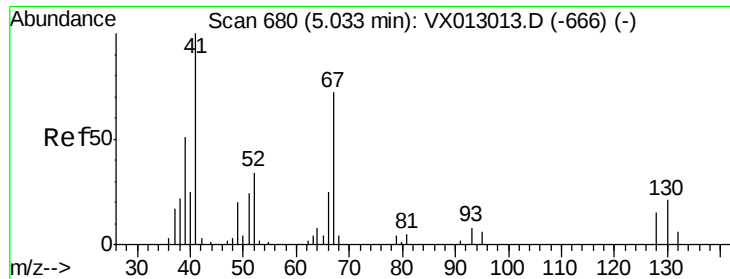


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 49.783 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 60243

Ion Ratio Lower Upper

41 100

39 56.5 44.0 66.0

67 77.0 58.5 87.7

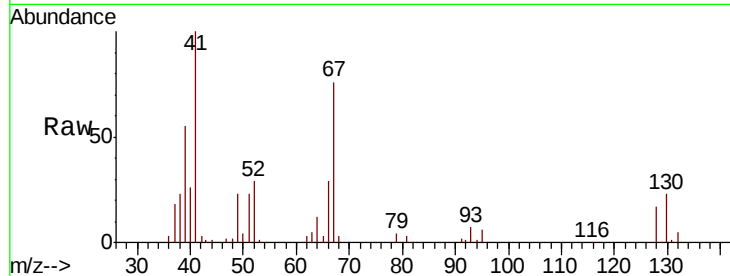
52 31.2 23.8 35.8

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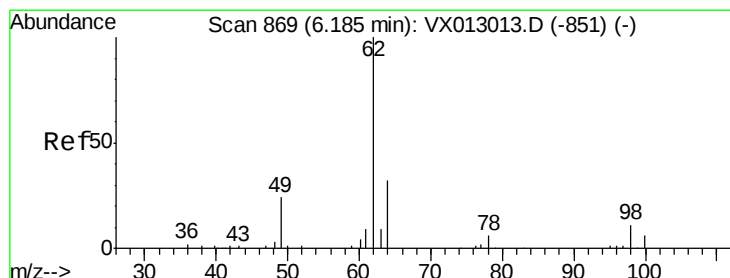
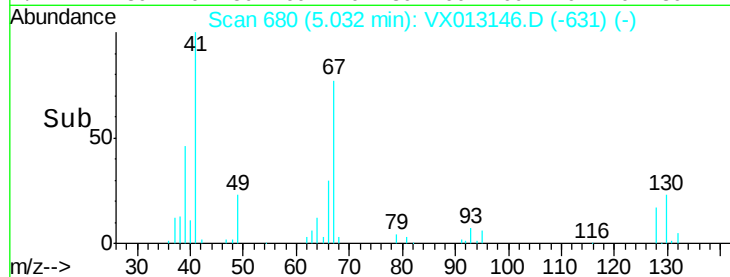
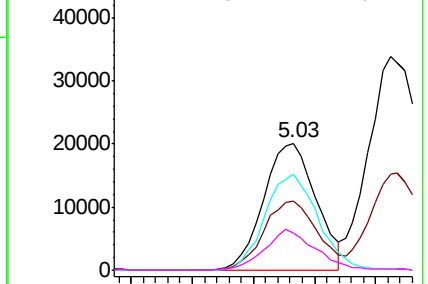
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 58.141 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013146.D

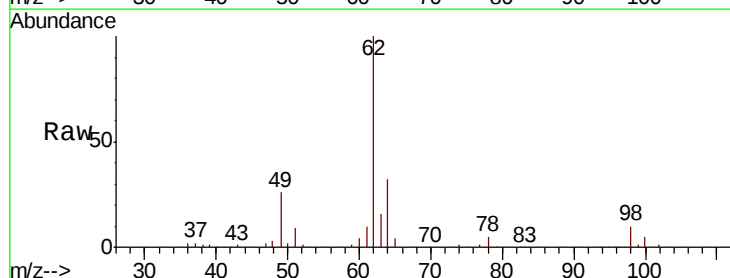
Acq: 18 Oct 2019 22:34

Tgt Ion: 62 Resp: 121356

Ion Ratio Lower Upper

62 100

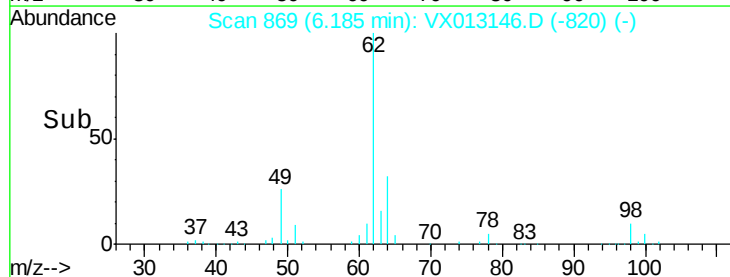
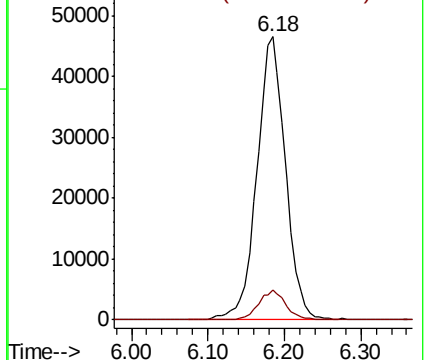
98 9.9 0.0 20.4

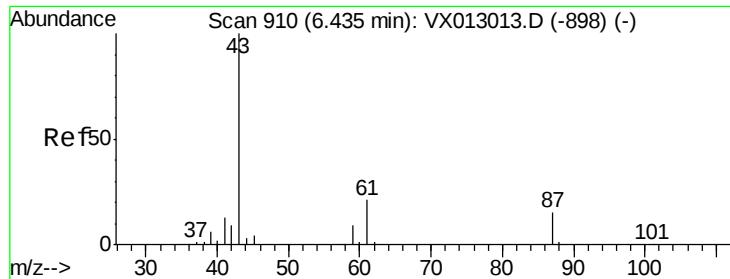


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.252 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

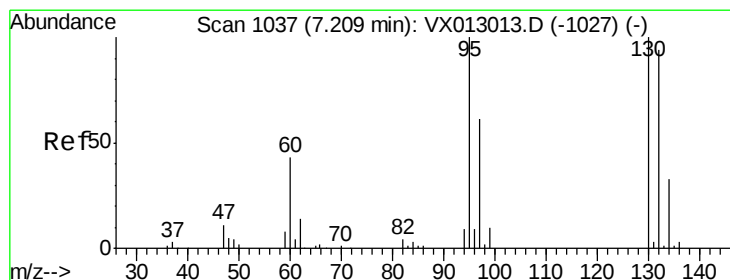
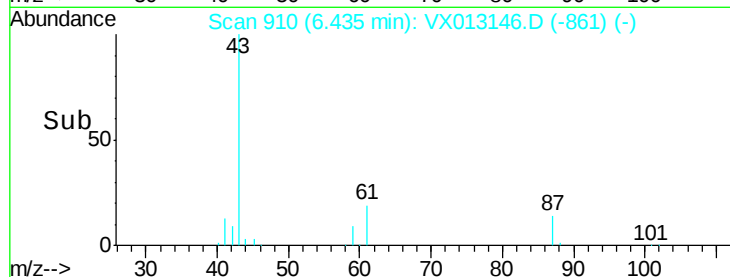
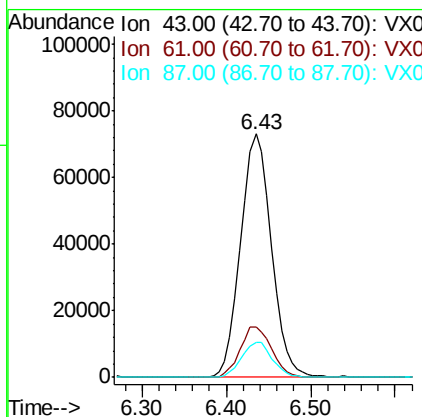
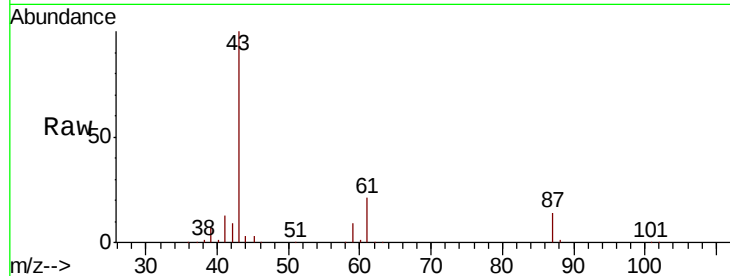
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	181162
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.6	24.8
87	14.4	11.0	16.6

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#44

Trichloroethene

Concen: 55.821 ug/l

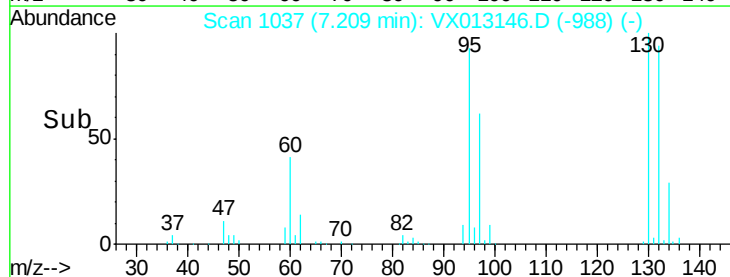
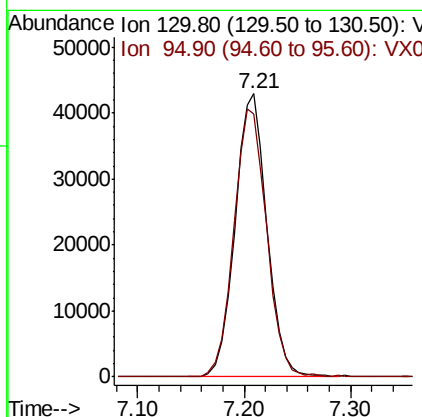
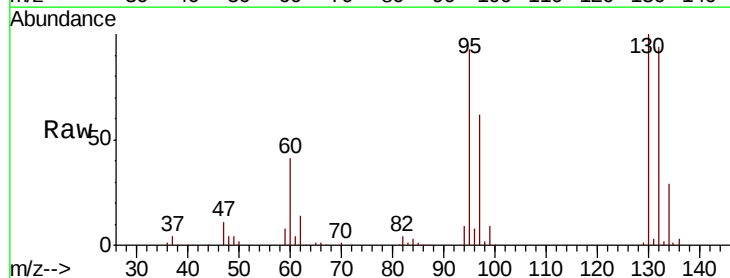
RT: 7.21 min Scan# 1037

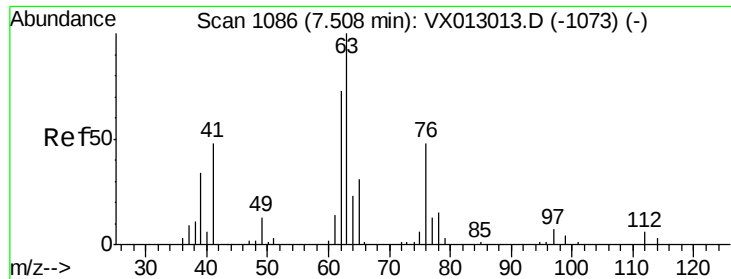
Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion:	130	Resp:	90041
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	189.2





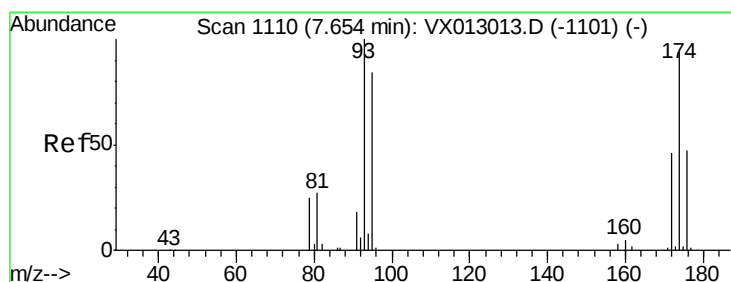
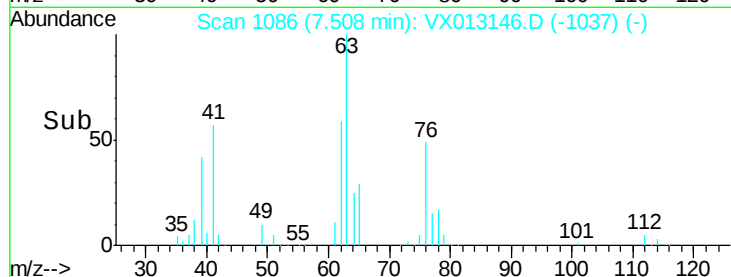
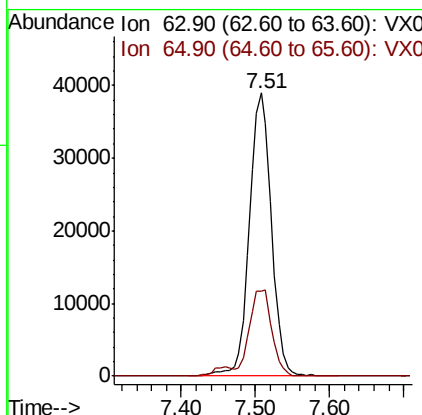
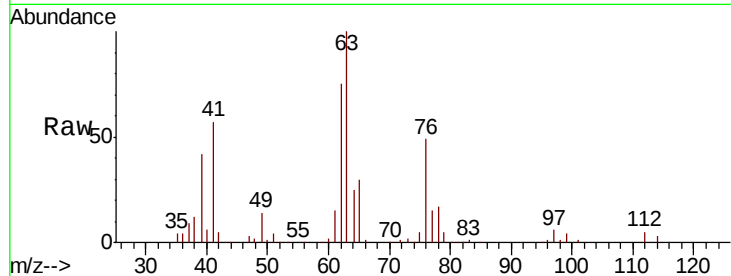
#45
 1,2-Dichloropropane
 Concen: 54.527 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 80838
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

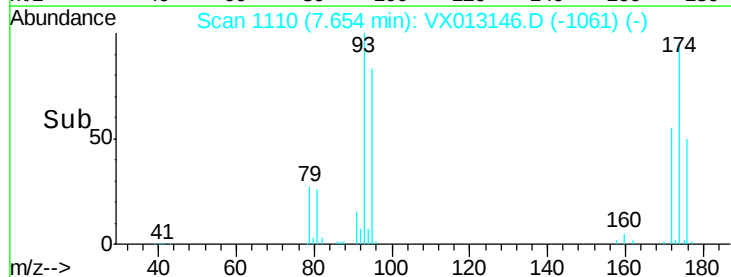
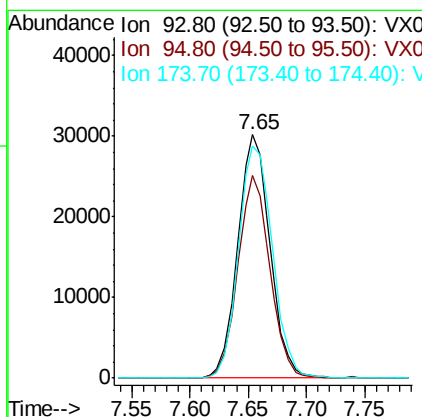
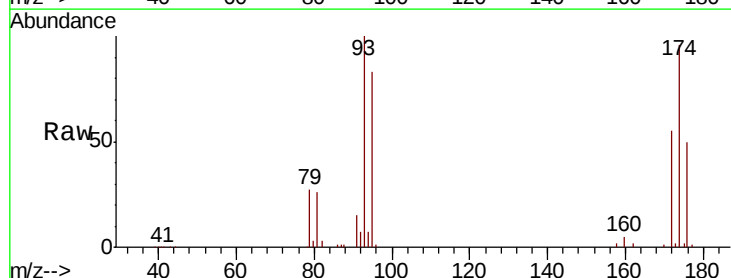
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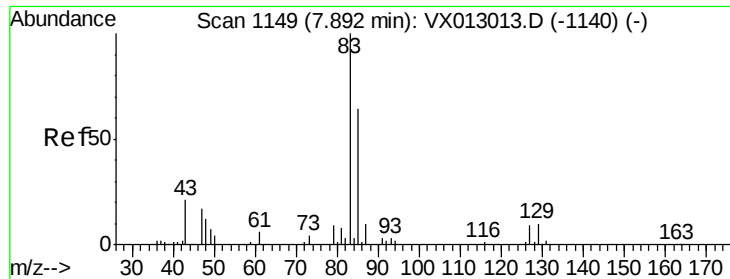
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#46
 Dibromomethane
 Concen: 58.949 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion: 93 Resp: 58227
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.3 99.5
 174 100.8 77.8 116.6





#47

Bromodichloromethane

Concen: 59.951 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

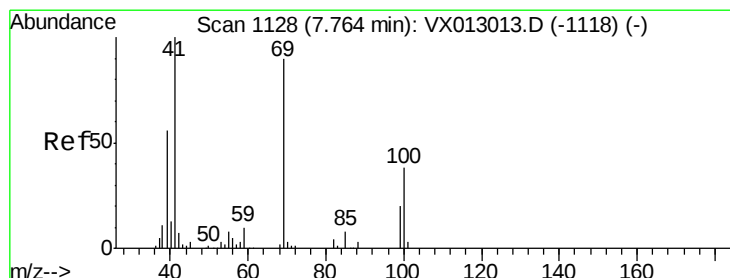
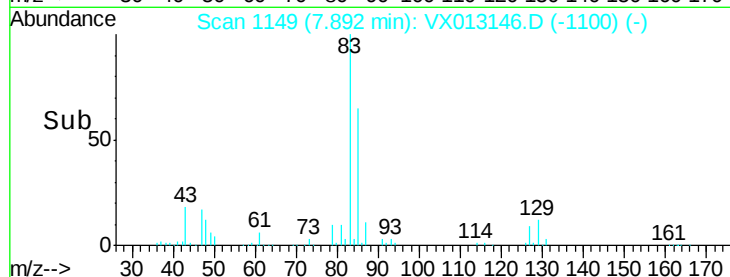
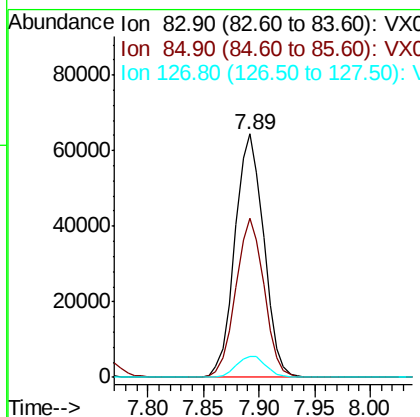
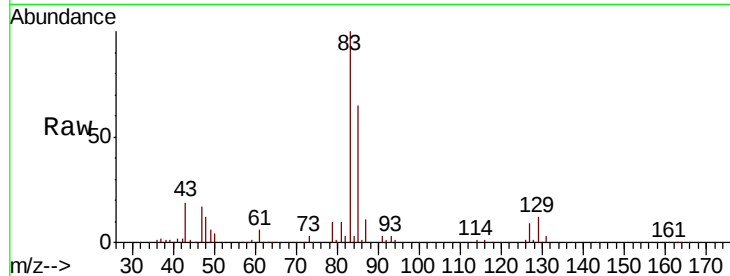
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115563
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6
127	8.6	6.6	10.0

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#48

Methyl methacrylate

Concen: 52.136 ug/l

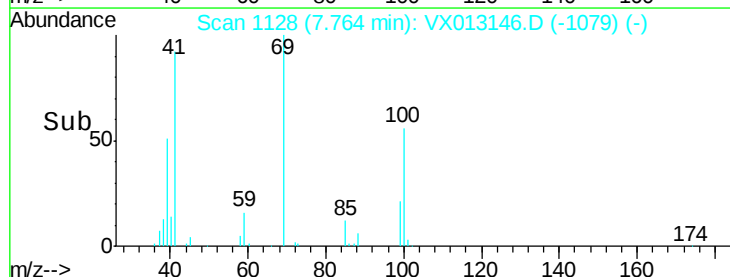
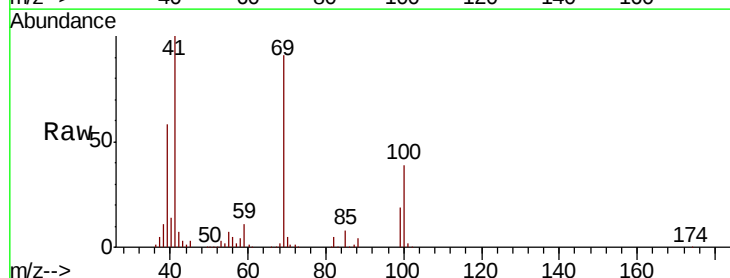
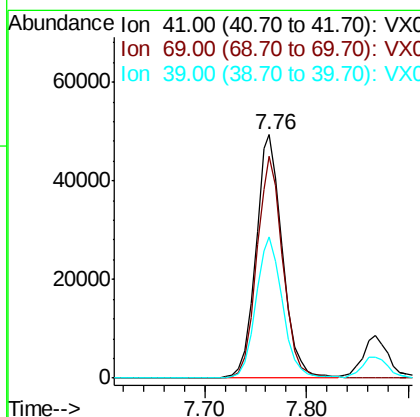
RT: 7.76 min Scan# 1128

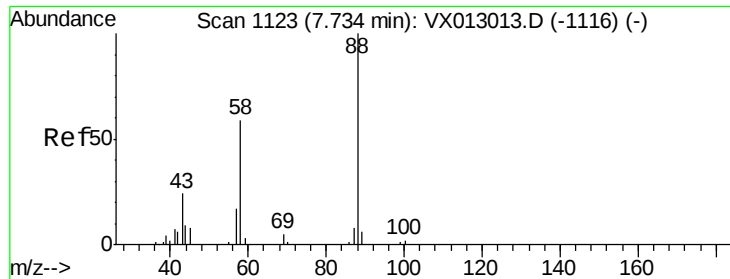
Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion:	41	Resp:	89804
Ion	Ratio	Lower	Upper
41	100		
69	89.1	68.7	103.1
39	58.0	44.3	66.5





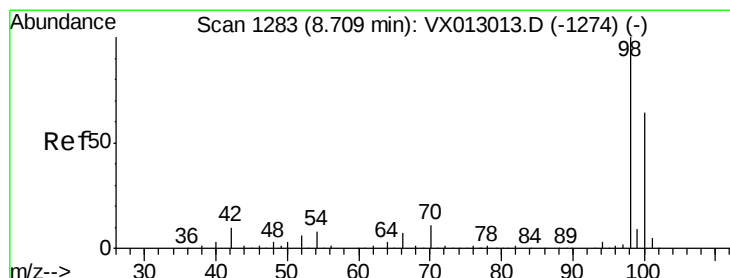
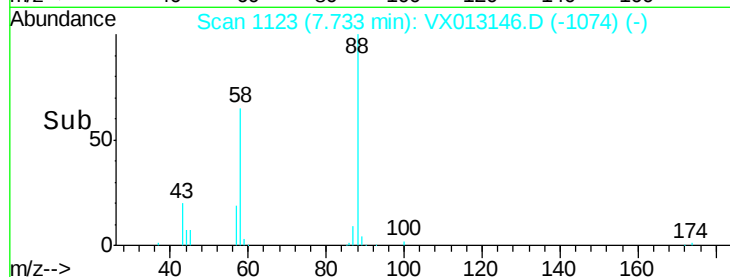
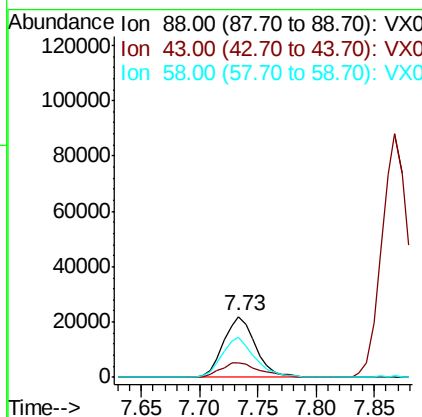
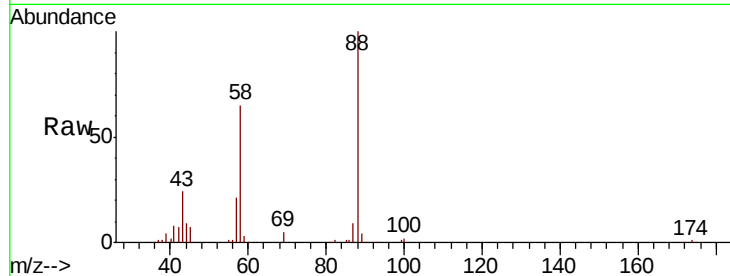
#49
1,4-Dioxane
Concen: 904.303 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.0	37.6
58	67.8	55.4	83.2

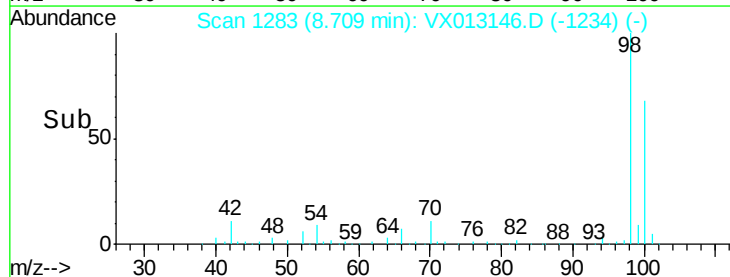
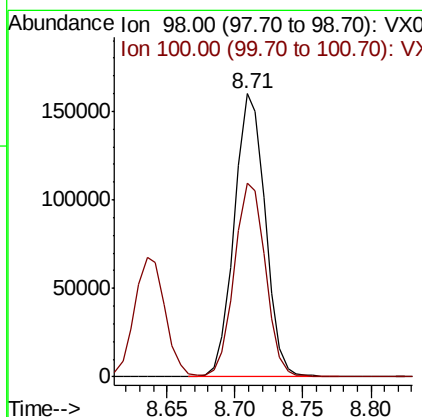
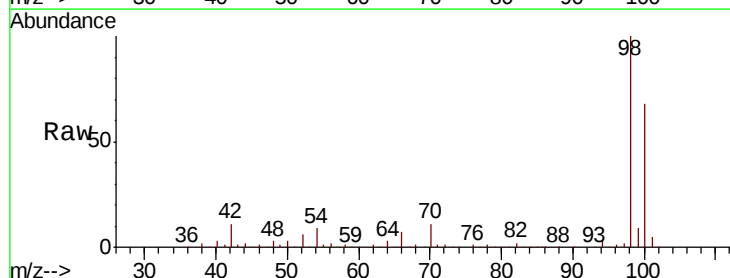
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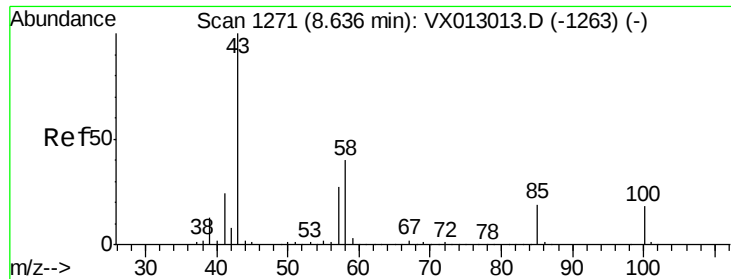
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#50
Toluene-d8
Concen: 50.532 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 258.379 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 569418

Ion Ratio Lower Upper

43 100

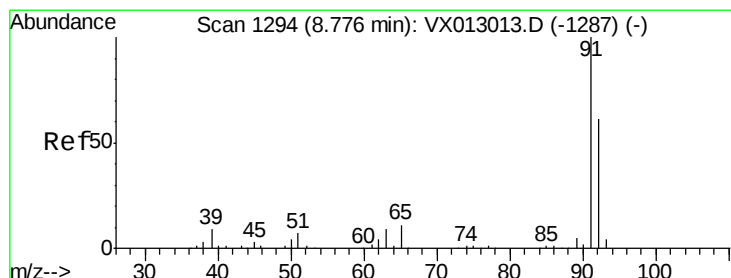
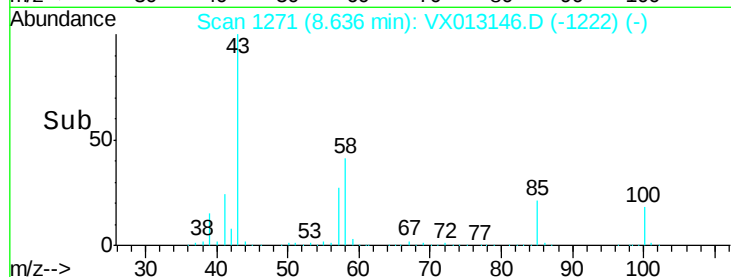
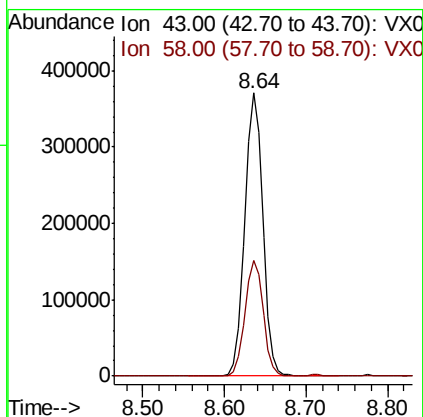
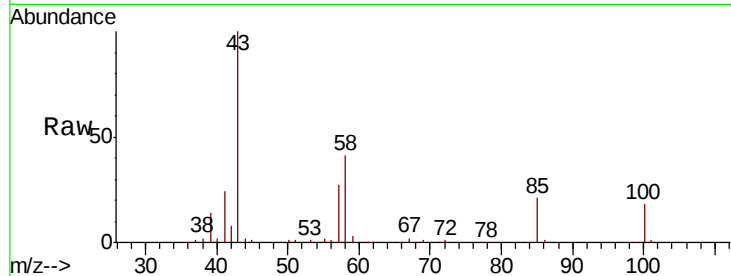
58 41.1 32.4 48.6

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#52

Toluene

Concen: 56.565 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013146.D

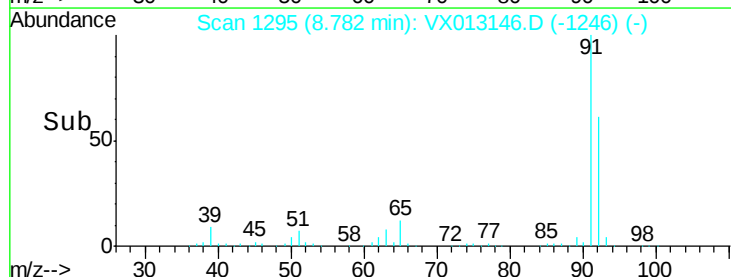
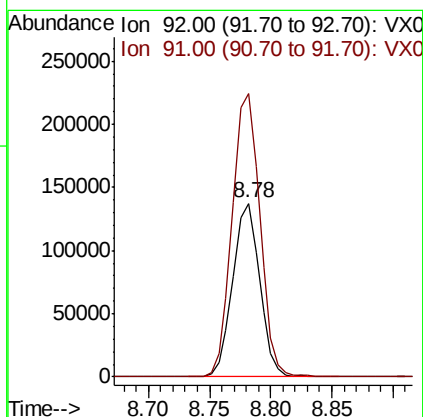
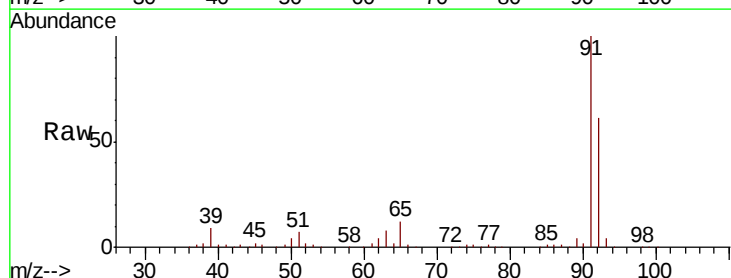
Acq: 18 Oct 2019 22:34

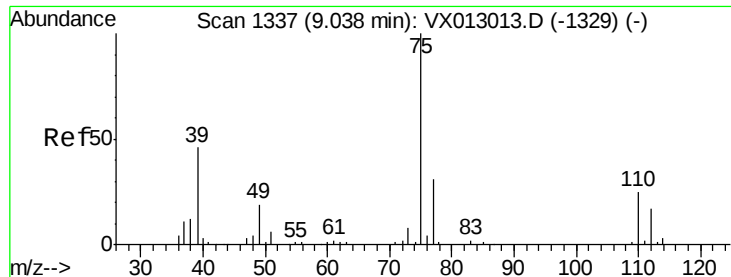
Tgt Ion: 92 Resp: 210500

Ion Ratio Lower Upper

92 100

91 168.0 135.9 203.9





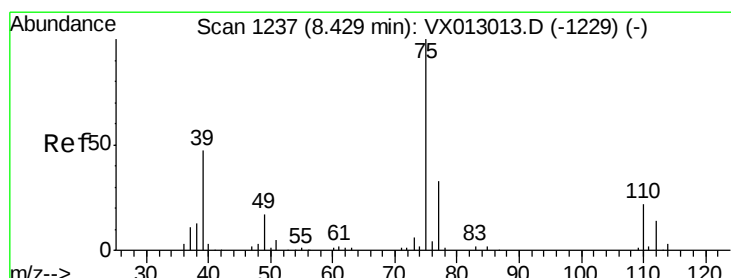
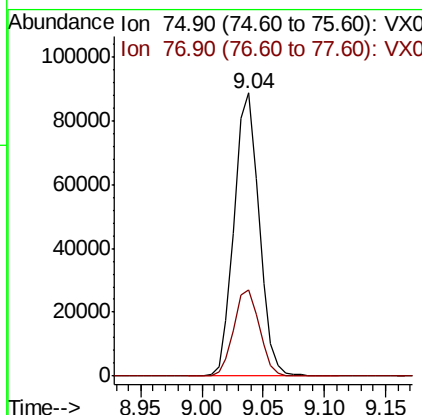
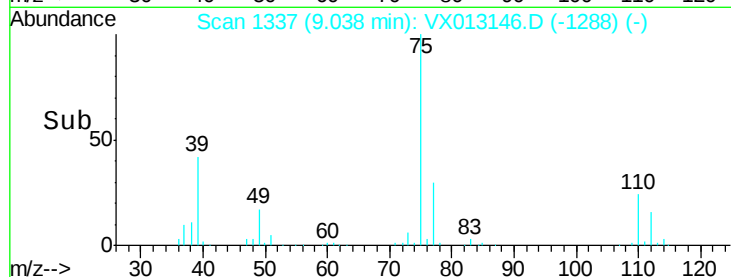
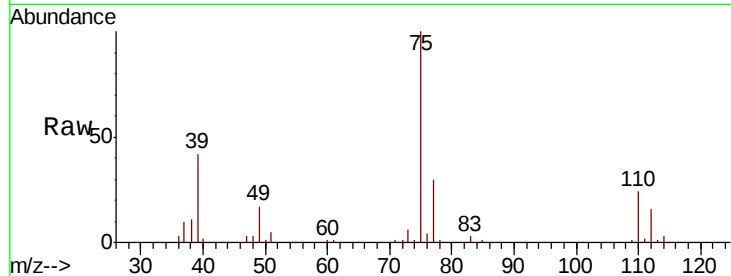
#53
t-1,3-Dichloropropene
Concen: 51.888 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 125027
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.6

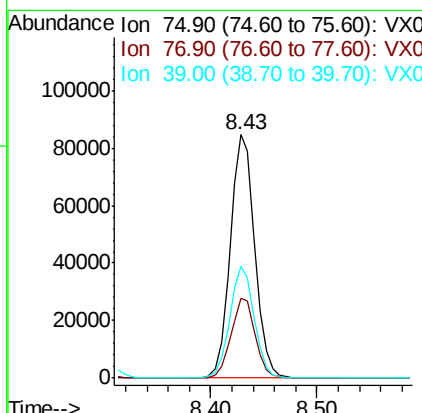
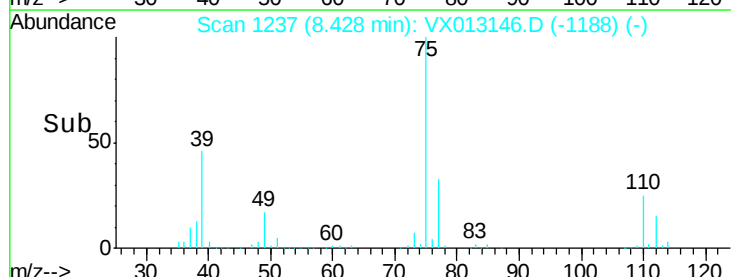
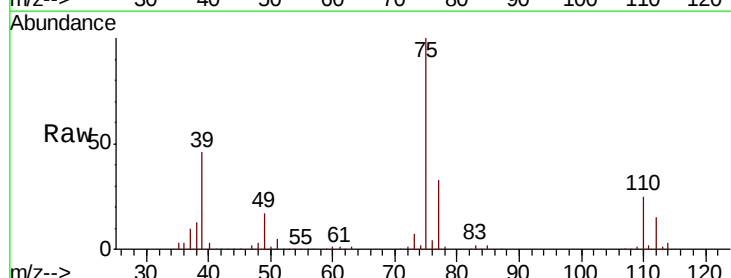
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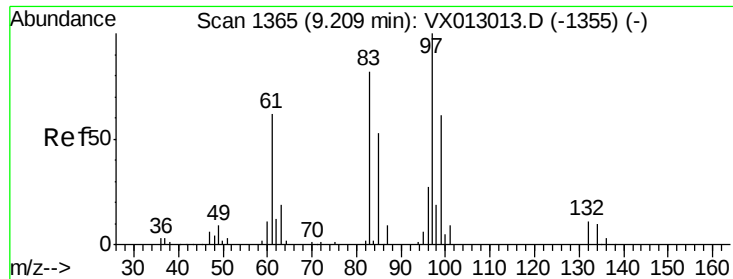
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#54
cis-1,3-Dichloropropene
Concen: 57.194 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion: 75 Resp: 135596
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.8
39 45.7 38.2 57.2





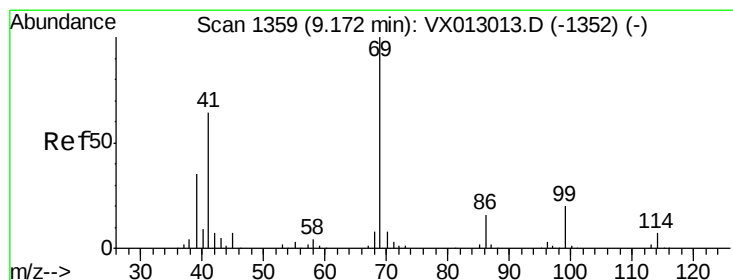
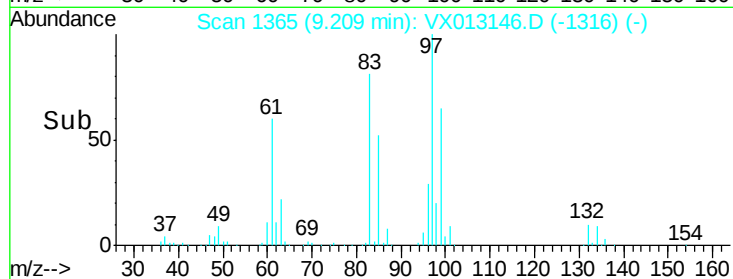
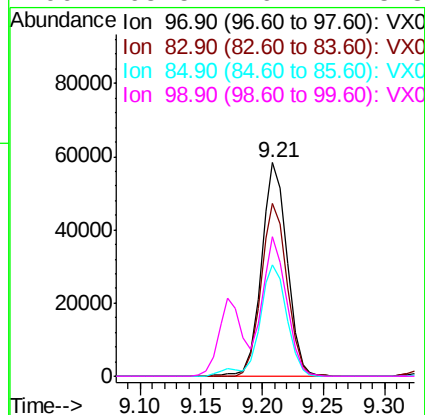
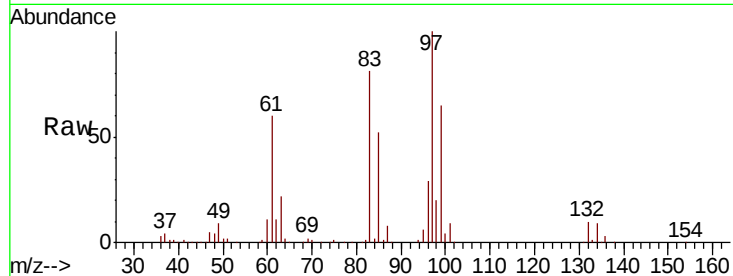
#55
 1,1,2-Trichloroethane
 Concen: 58.023 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	85452
Ion	Ratio	Lower	Upper
97	100		
83	80.7	66.5	99.7
85	52.3	43.1	64.7
99	65.5	49.2	73.8

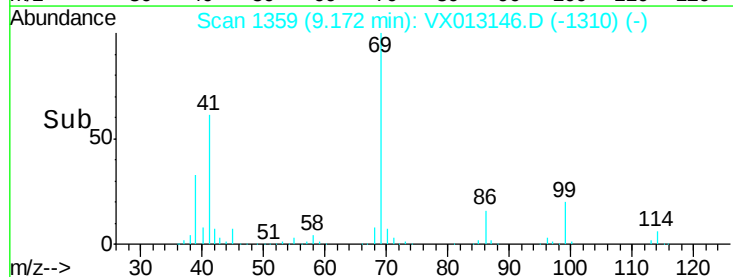
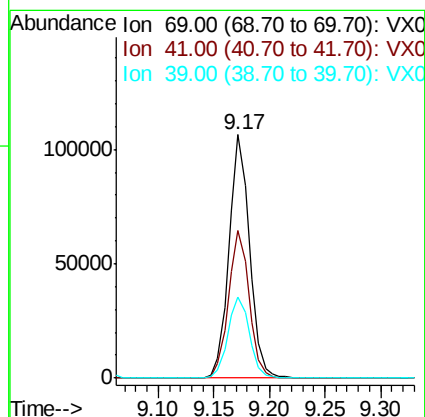
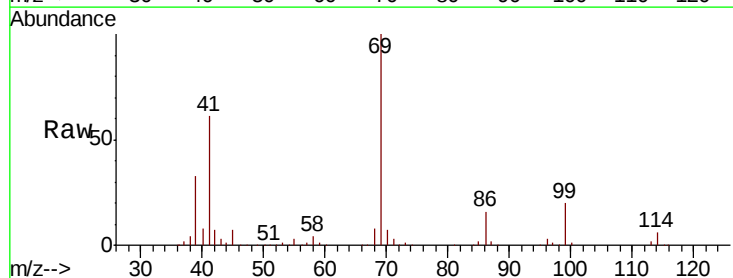
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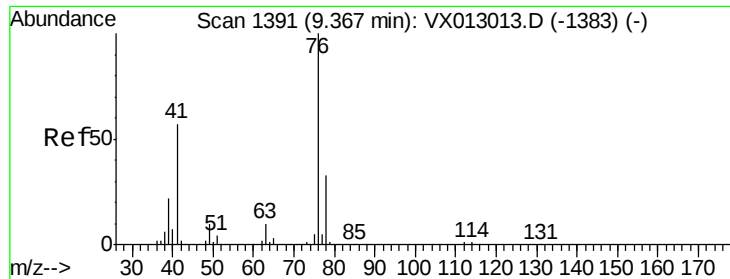
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#56
 Ethyl methacrylate
 Concen: 51.761 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion:	69	Resp:	136679
Ion	Ratio	Lower	Upper
69	100		
41	60.8	52.1	78.1
39	34.9	27.8	41.8





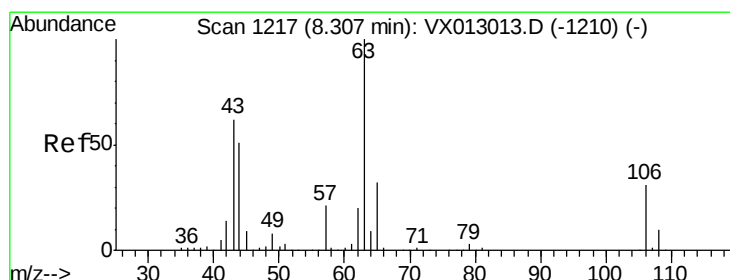
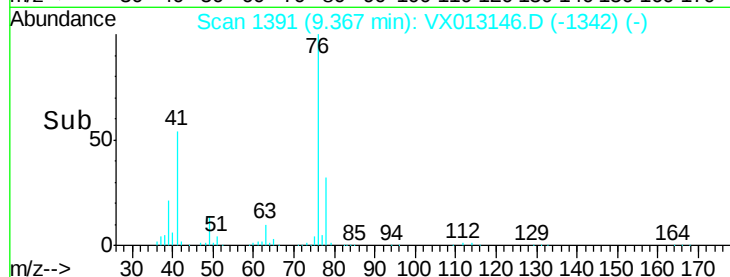
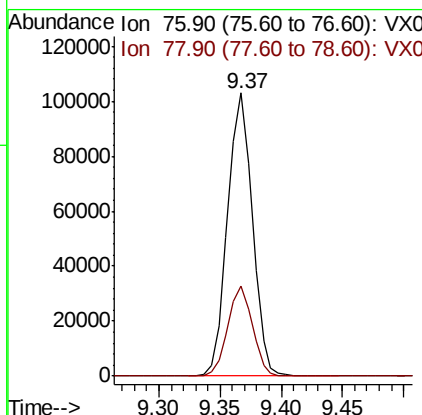
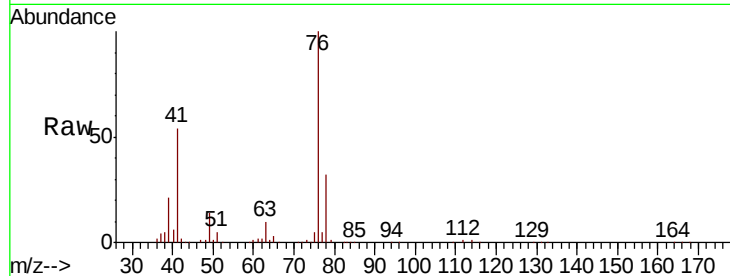
#57
 1,3-Dichloropropane
 Concen: 56.807 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 144718
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.1 39.1

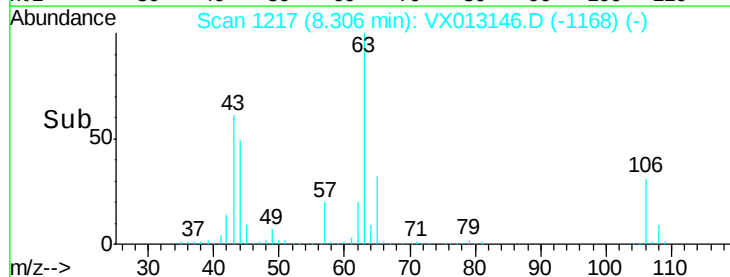
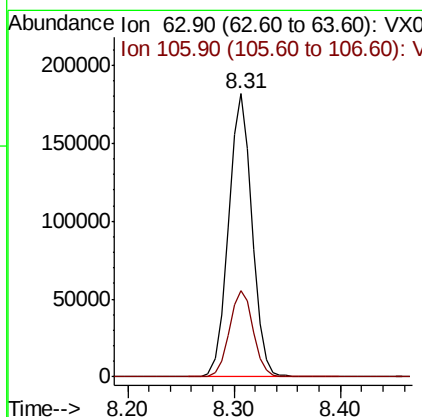
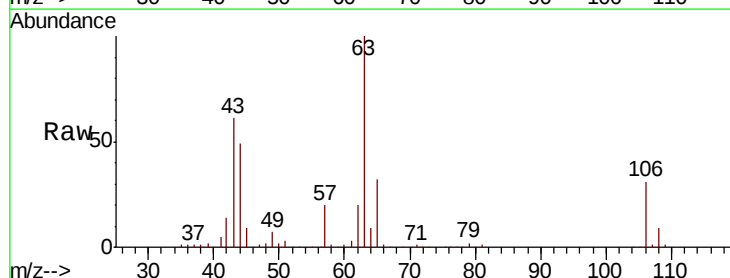
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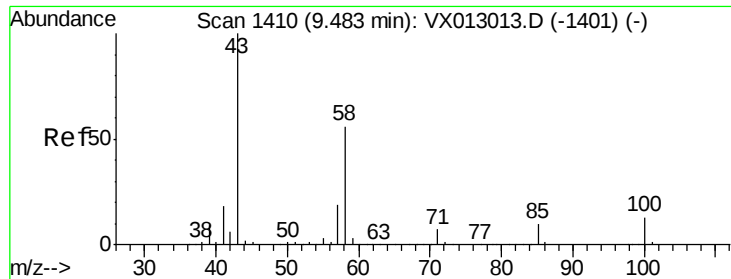
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.532 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion: 63 Resp: 280786
 Ion Ratio Lower Upper
 63 100
 106 30.9 23.8 35.8





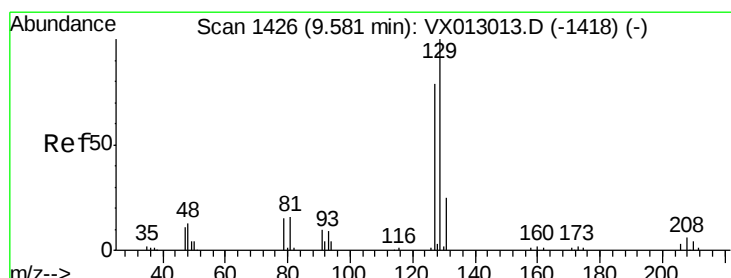
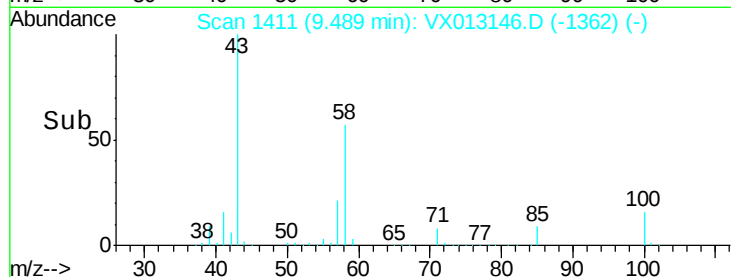
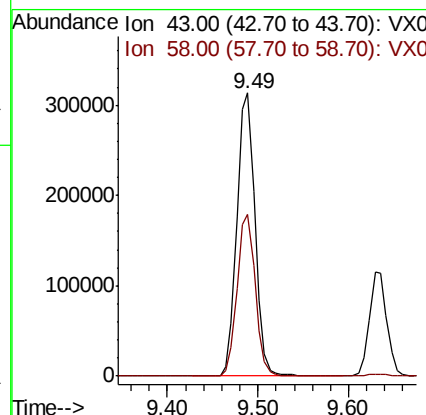
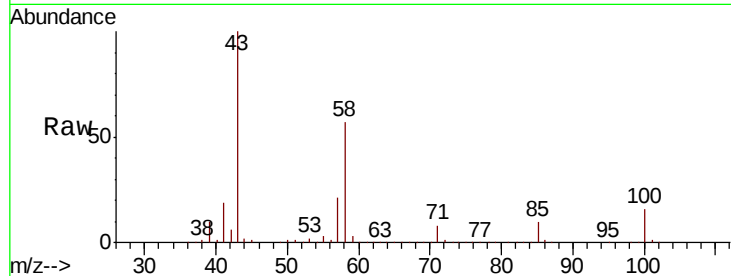
#59
2-Hexanone
Concen: 253.540 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 434954
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.3

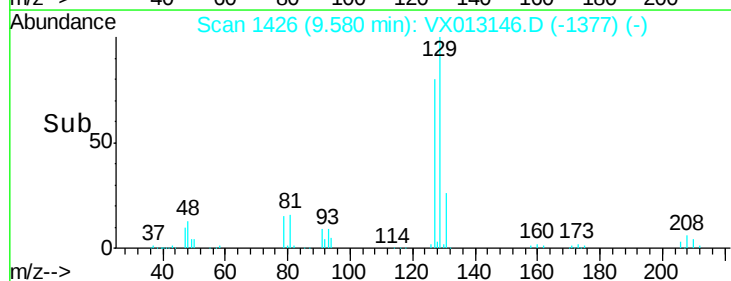
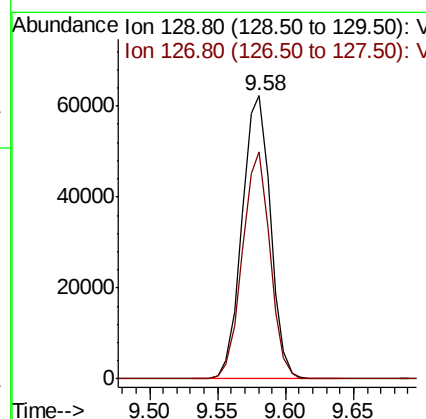
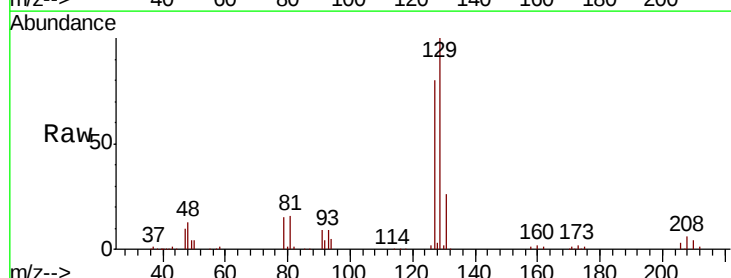
Manual Integrations
APPROVED

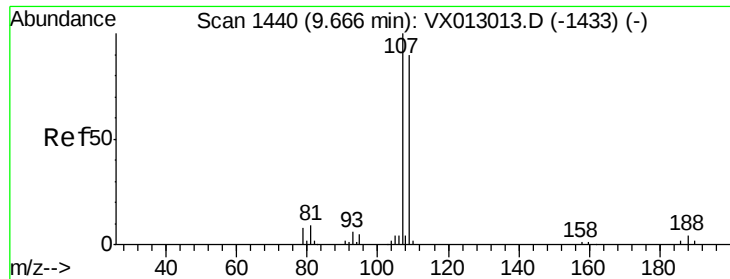
MMDadoda
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#60
Dibromochloromethane
Concen: 55.043 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion: 129 Resp: 90528
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 58.201 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 90167

Ion Ratio Lower Upper

107 100

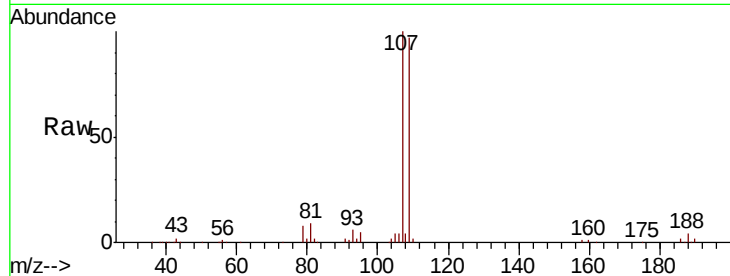
109 95.2 75.8 113.6

Manual Integrations

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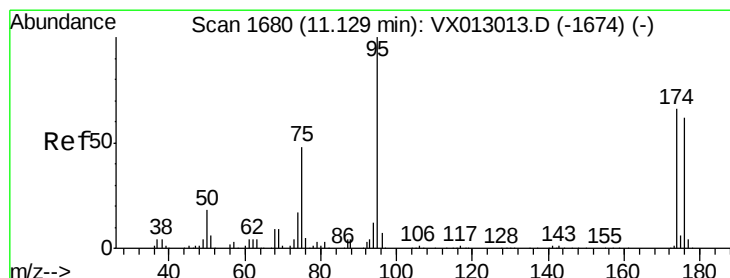
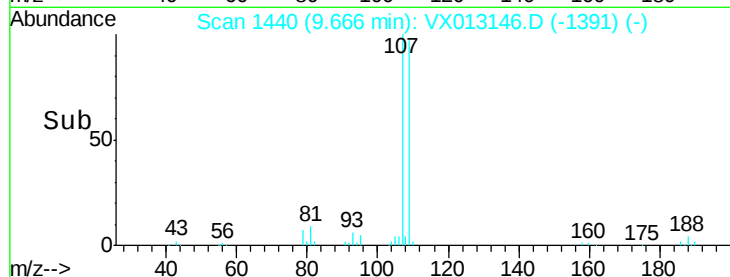
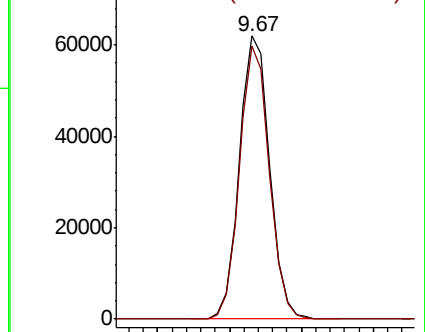
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.380 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

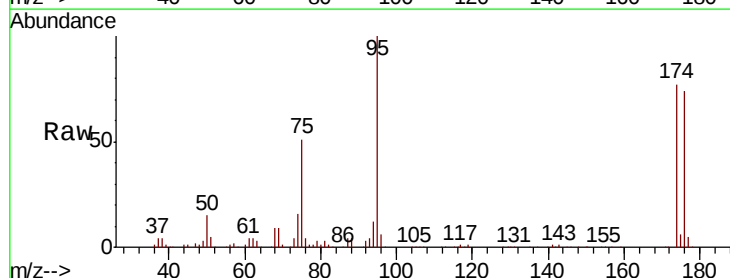
Tgt Ion: 95 Resp: 102058

Ion Ratio Lower Upper

95 100

174 77.2 0.0 143.4

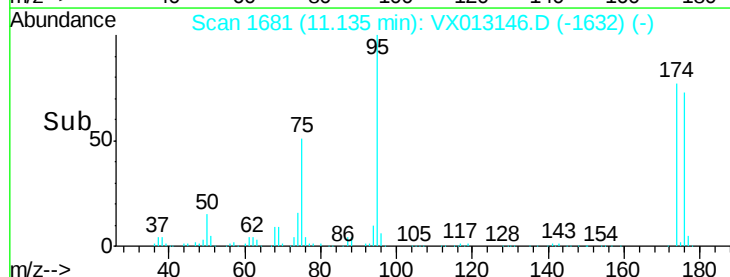
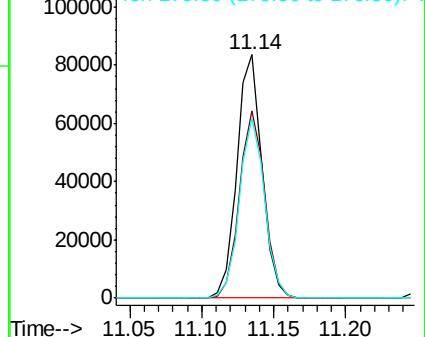
176 73.6 0.0 136.0

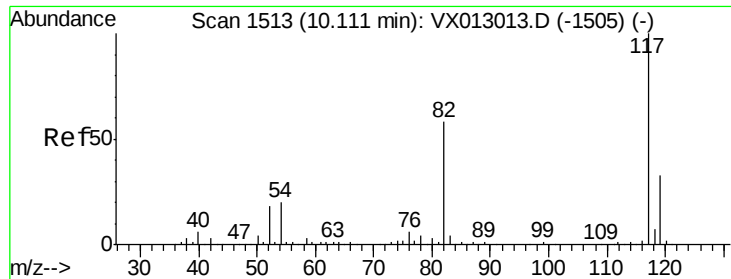


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





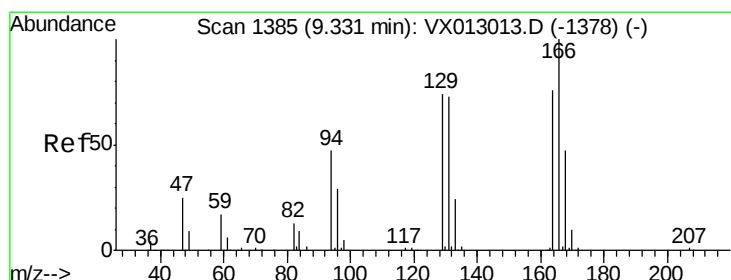
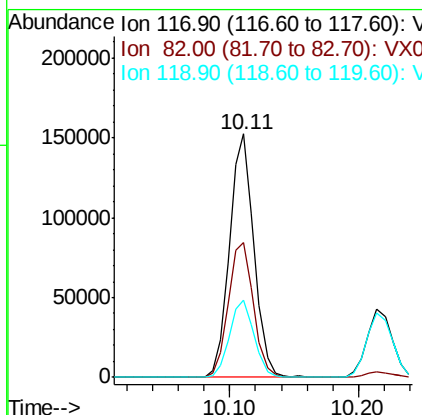
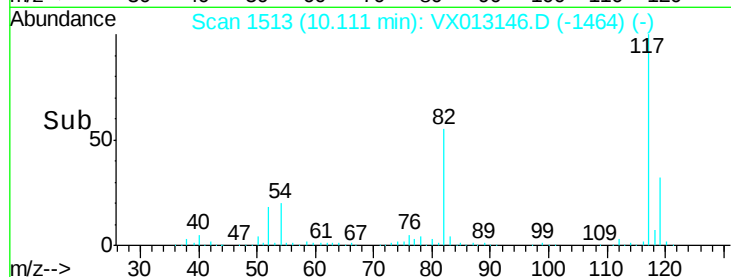
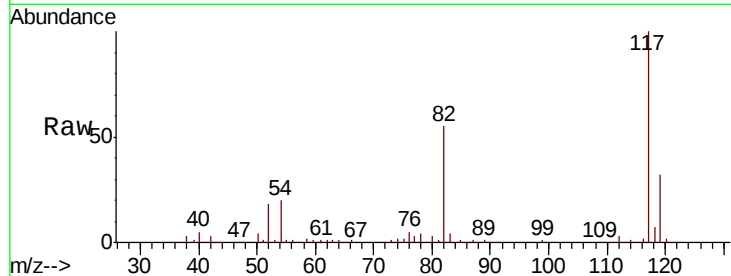
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.1	66.1
119	31.6	25.8	38.8

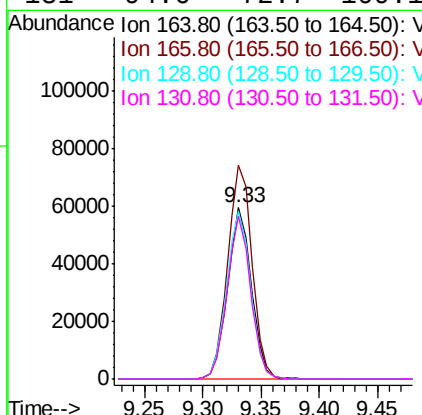
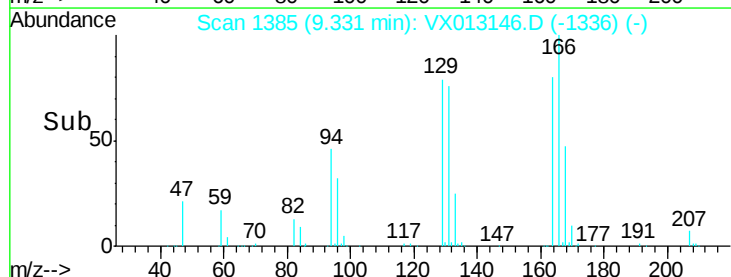
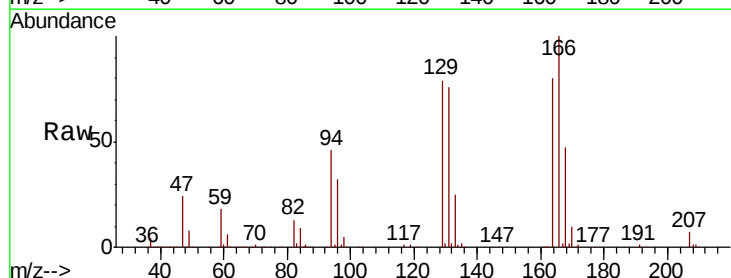
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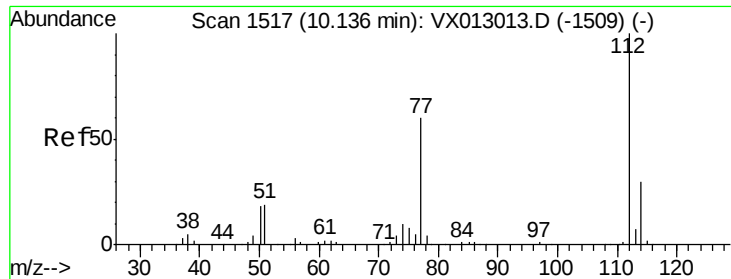
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#64
Tetrachloroethene
Concen: 60.061 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	96.9	145.3
129	98.1	77.9	116.9
131	94.6	72.7	109.1





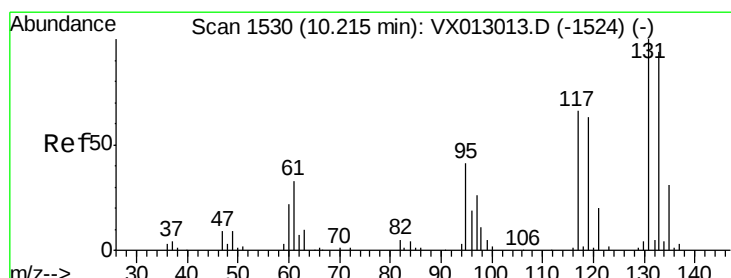
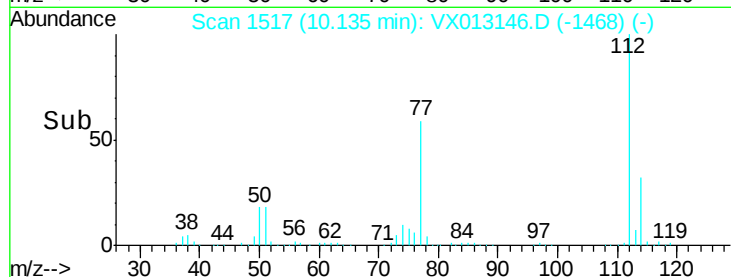
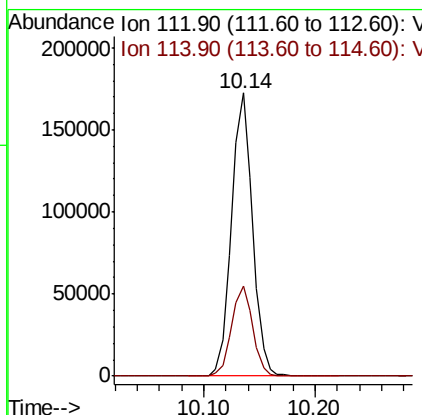
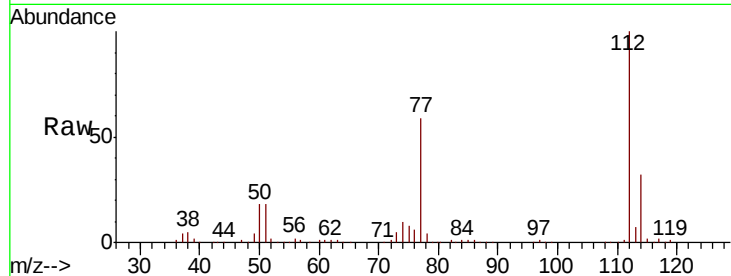
#65
Chlorobenzene
Concen: 56.015 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 224891
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5

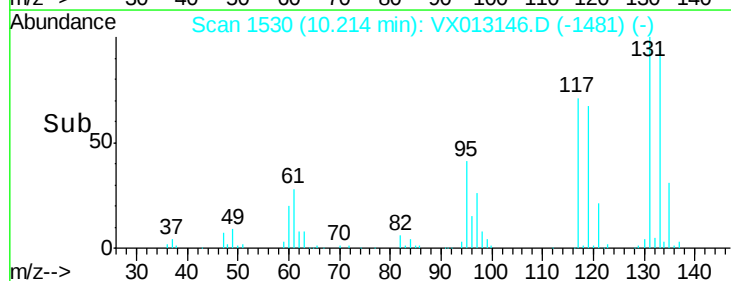
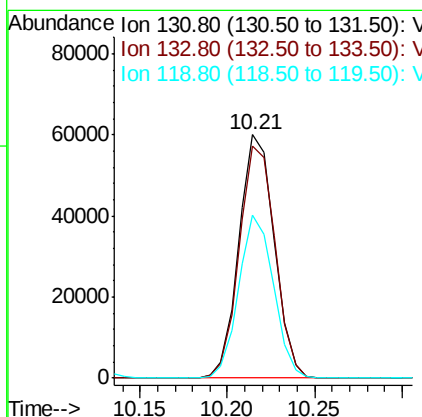
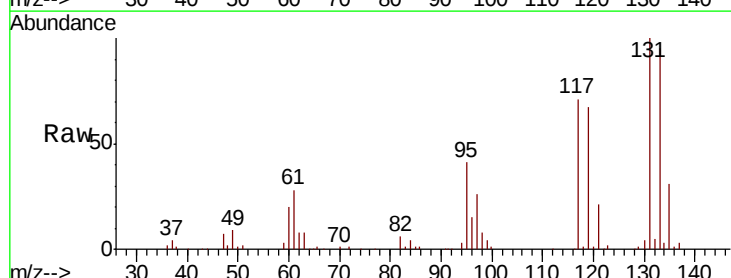
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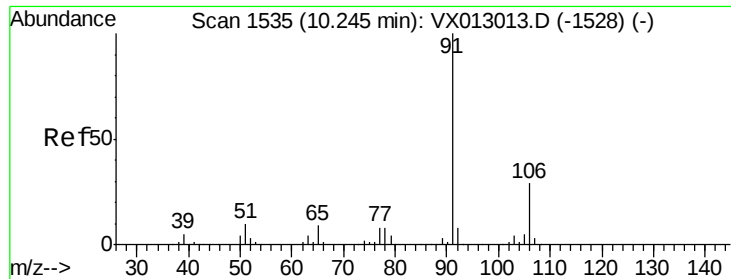
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.581 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion:131 Resp: 84330
Ion Ratio Lower Upper
131 100
133 96.8 47.2 141.6
119 65.8 32.6 98.0





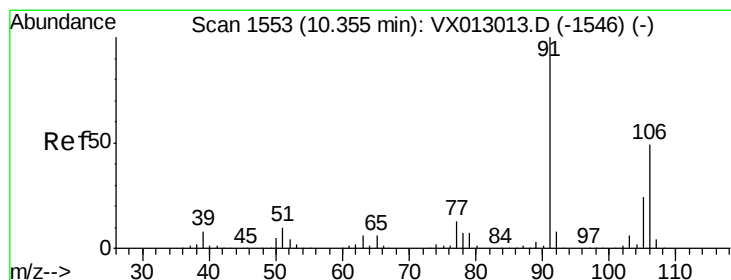
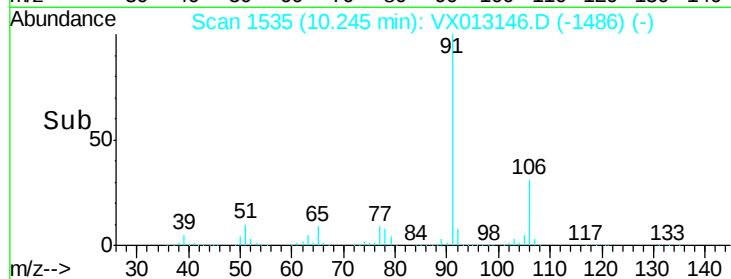
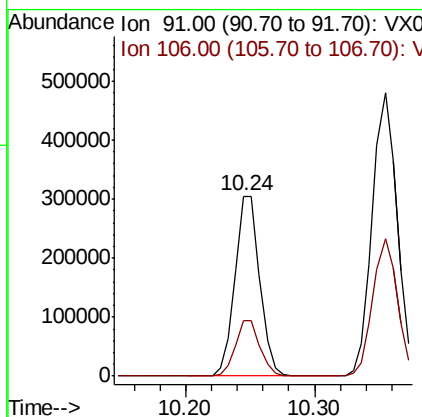
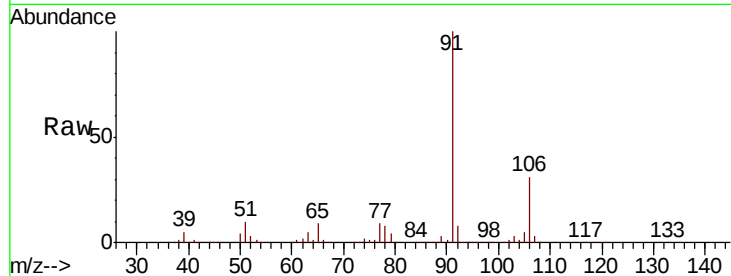
#67
Ethyl Benzene
Concen: 57.499 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 410050
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9

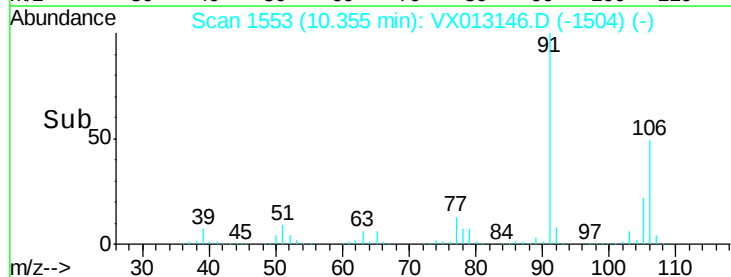
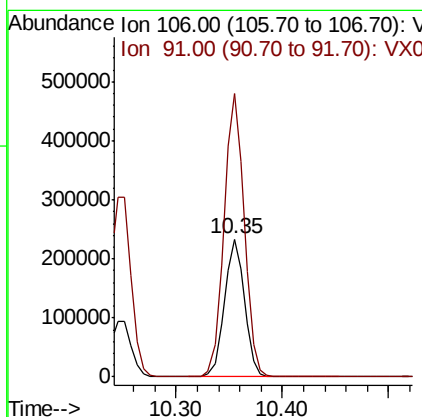
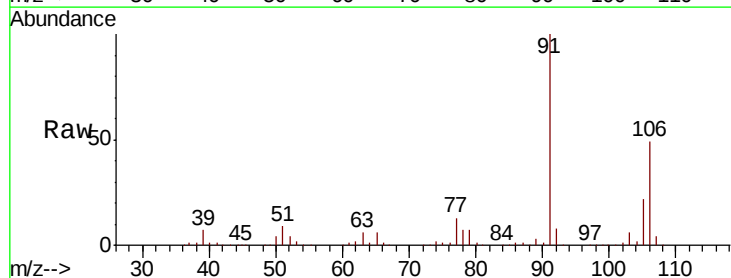
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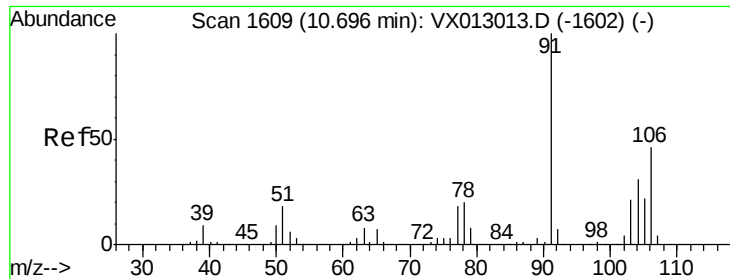
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#68
m/p-Xylenes
Concen: 115.453 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion: 106 Resp: 307589
Ion Ratio Lower Upper
106 100
91 207.3 165.3 247.9





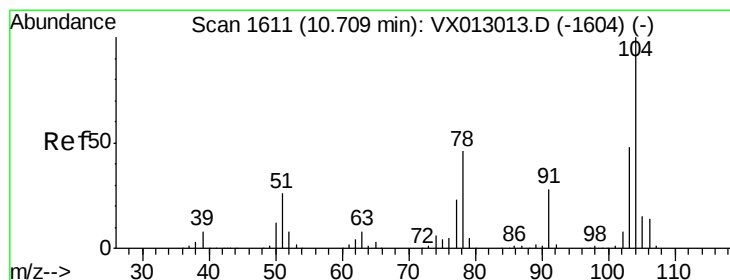
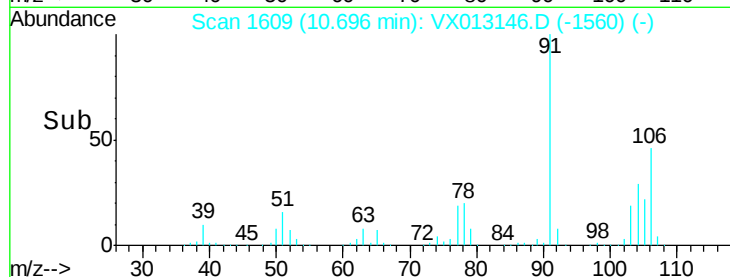
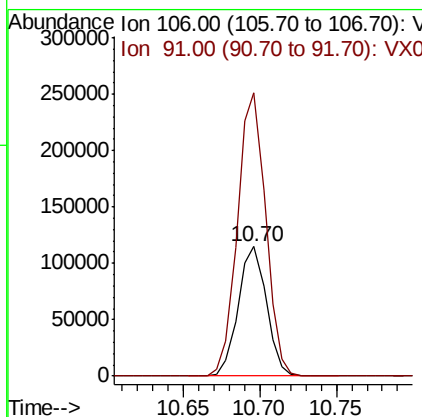
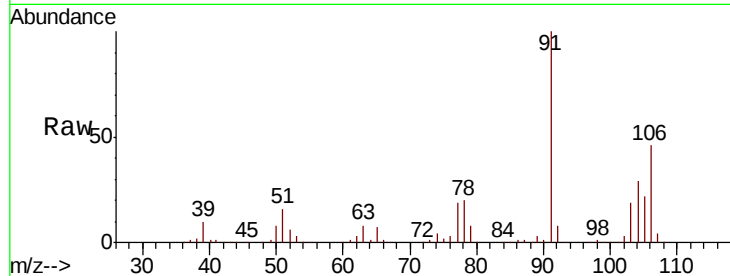
#69
o-Xylene
Concen: 56.861 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 147729
Ion Ratio Lower Upper
106 100
91 218.1 109.1 327.3

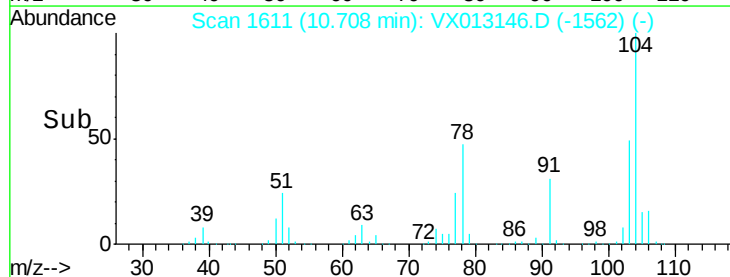
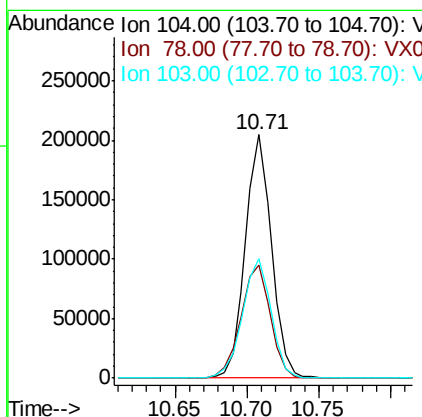
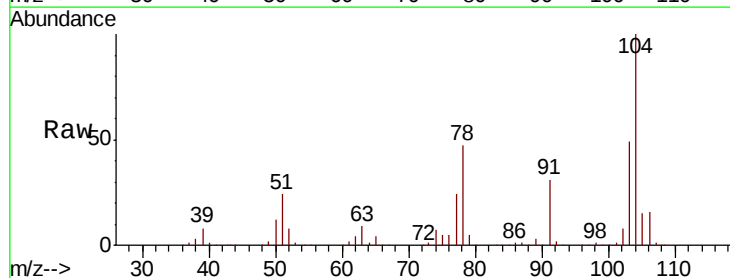
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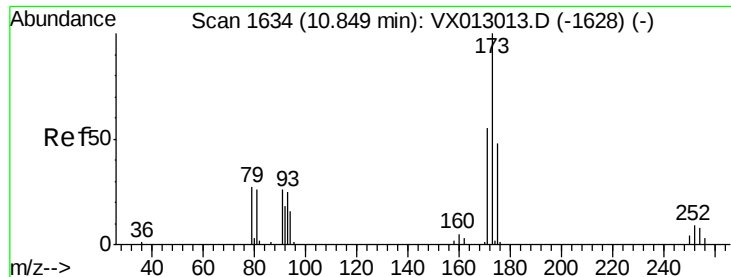
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#70
Styrene
Concen: 58.156 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion:104 Resp: 256859
Ion Ratio Lower Upper
104 100
78 52.8 41.2 61.8
103 54.1 43.0 64.4





#71

Bromoform

Concen: 54.267 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 64691

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.3

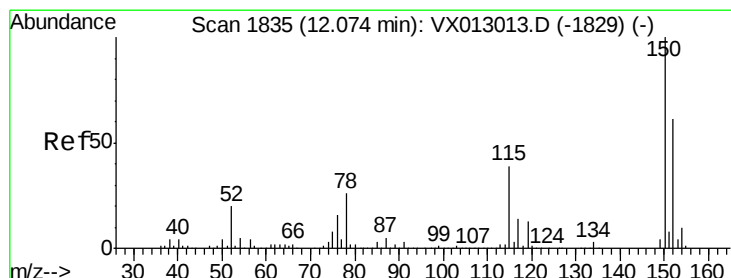
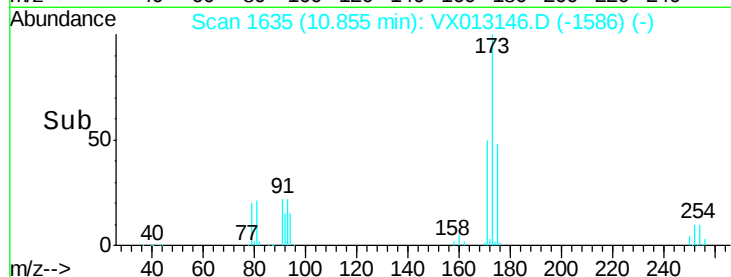
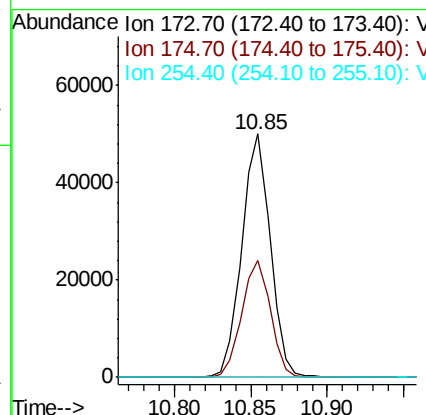
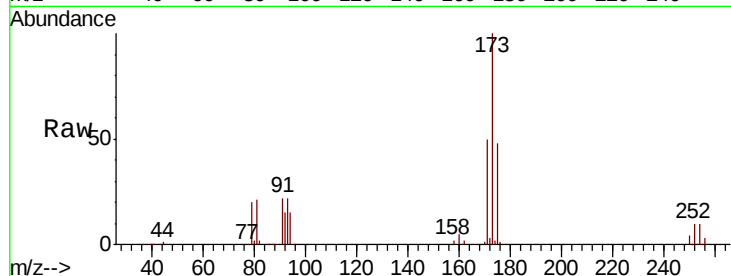
254 0.1 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

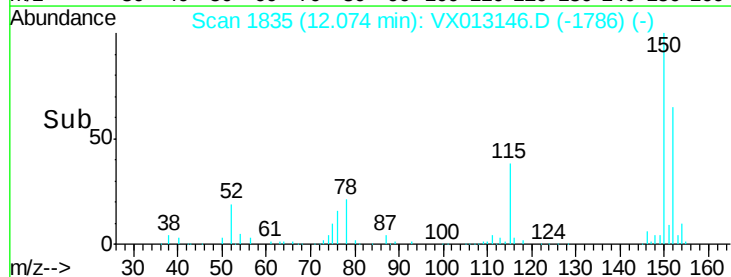
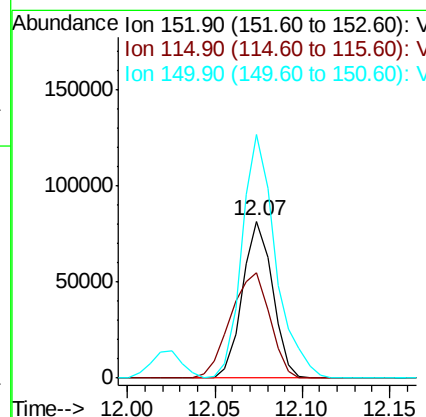
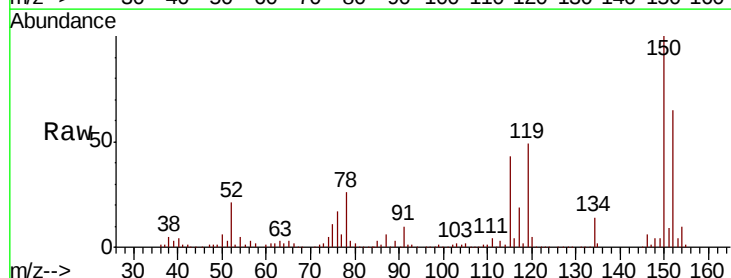
Tgt Ion:152 Resp: 98538

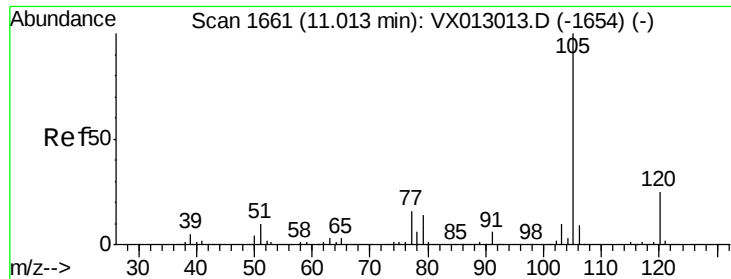
Ion Ratio Lower Upper

152 100

115 87.3 44.5 133.5

150 172.5 0.0 353.4





#73

Isopropylbenzene

Concen: 55.459 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 401784

Ion Ratio Lower Upper

105 100

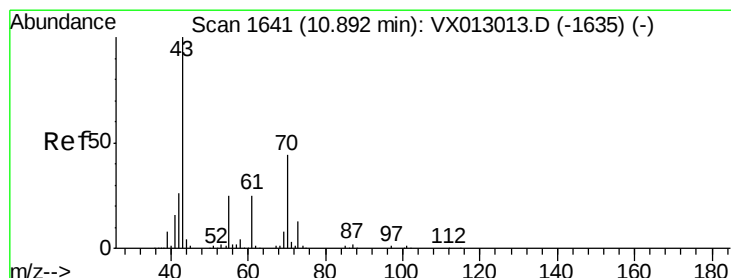
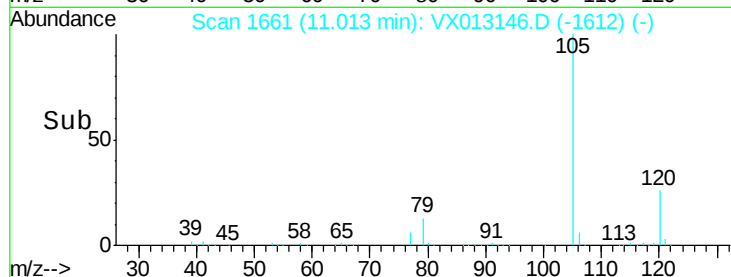
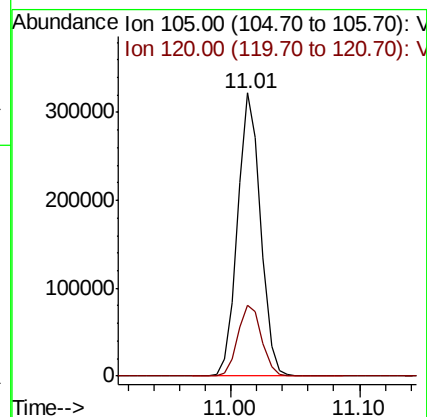
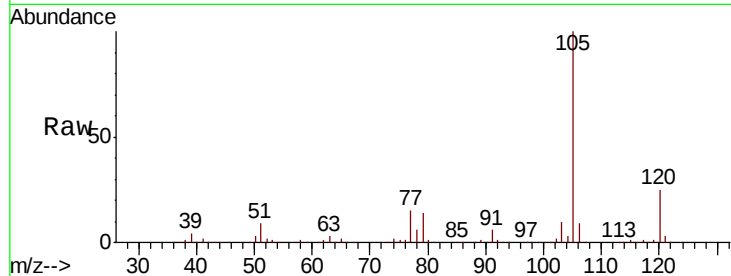
120 25.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 48.763 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion: 43 Resp: 152148

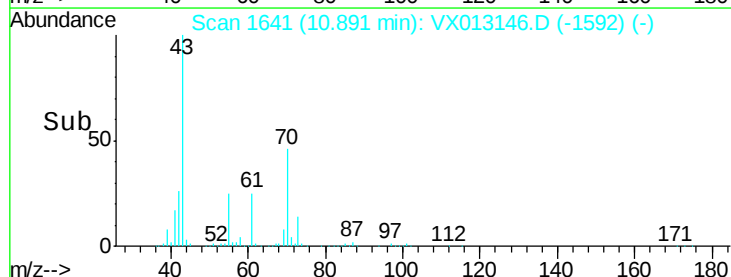
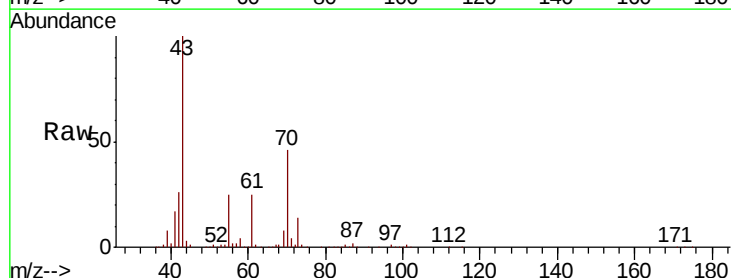
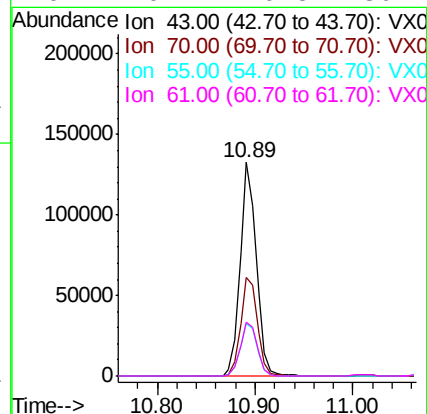
Ion Ratio Lower Upper

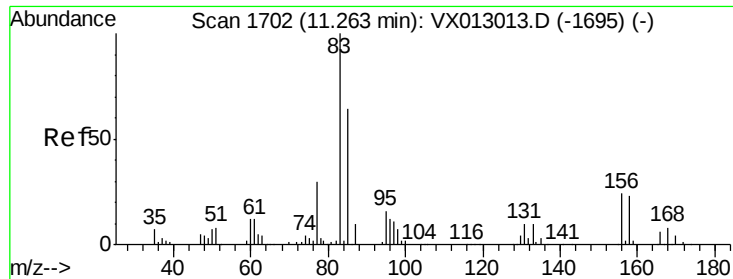
43 100

70 47.9 36.4 54.6

55 26.0 20.2 30.2

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.431 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

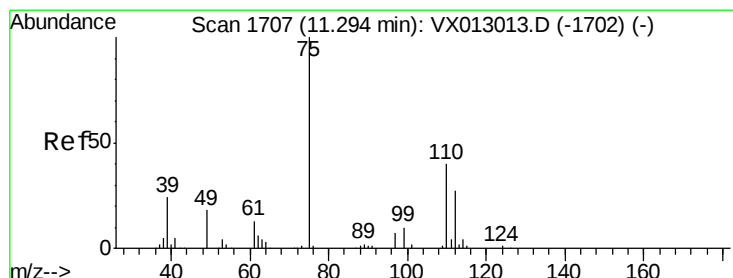
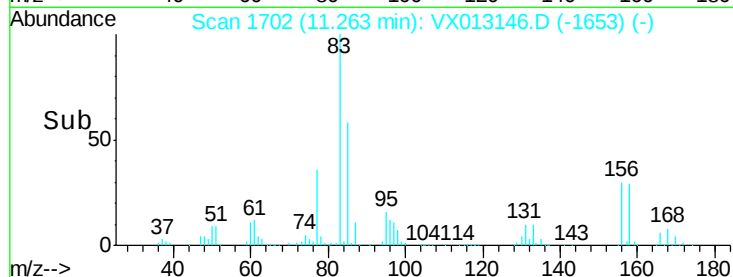
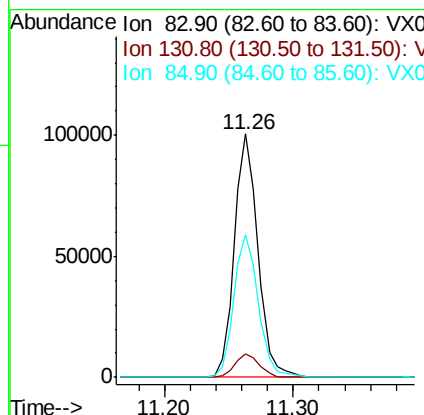
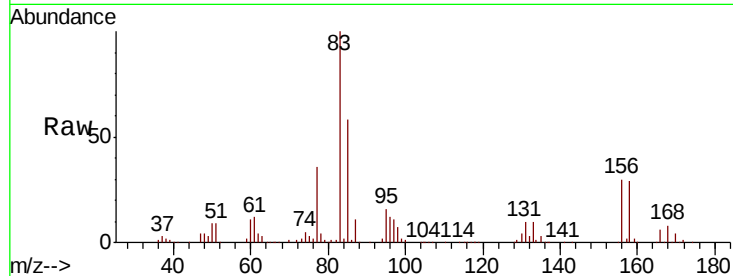
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	128747
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	60.9	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 45.041 ug/l m

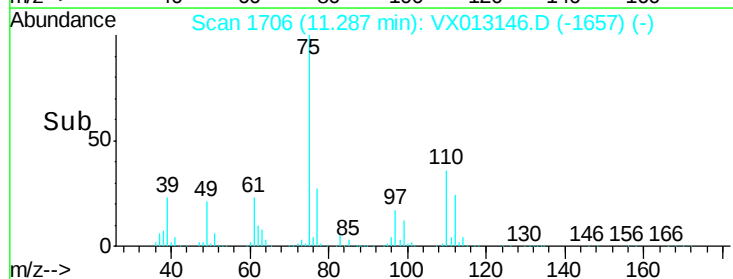
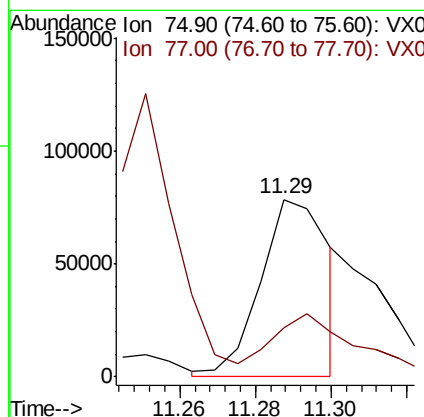
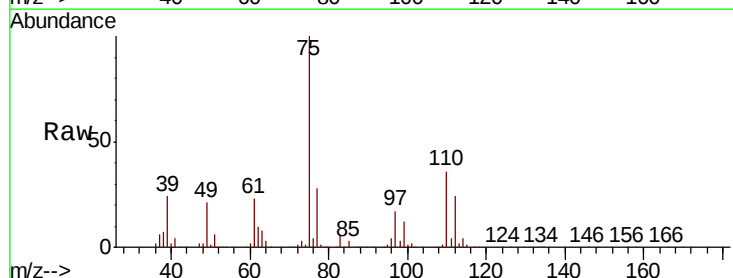
RT: 11.29 min Scan# 1706

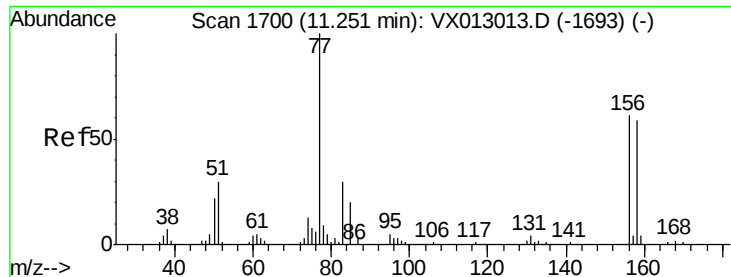
Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion:	75	Resp:	98441
Ion Ratio	Lower	Upper	
75	100		
77	44.4	22.9	68.8





#77

Bromobenzene

Concen: 55.120 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

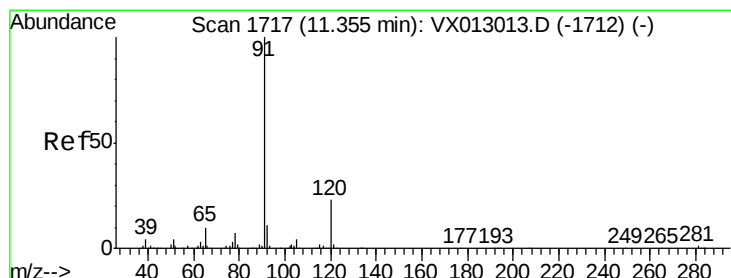
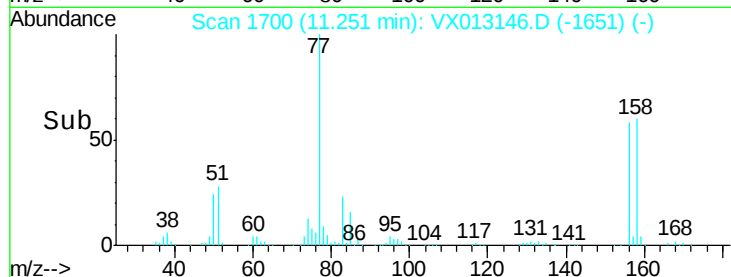
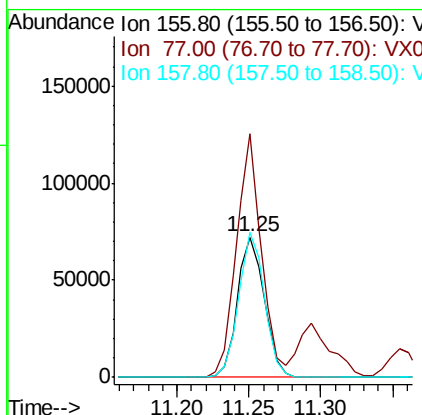
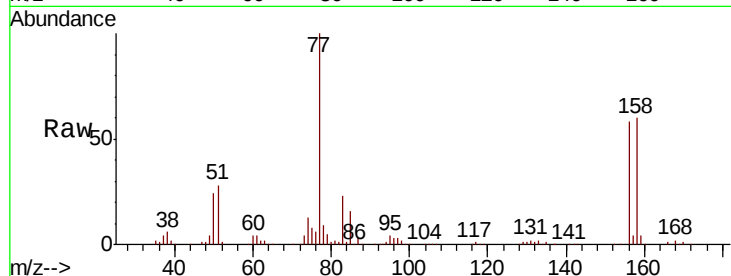
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.5	83.7	251.0	
158	99.2	48.6	145.9	

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#78

n-propylbenzene

Concen: 55.544 ug/l

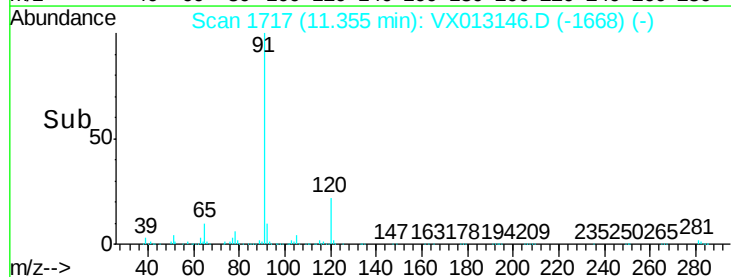
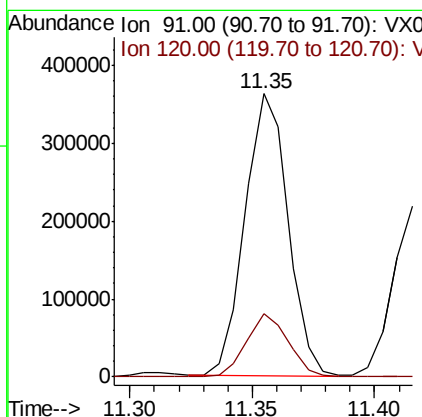
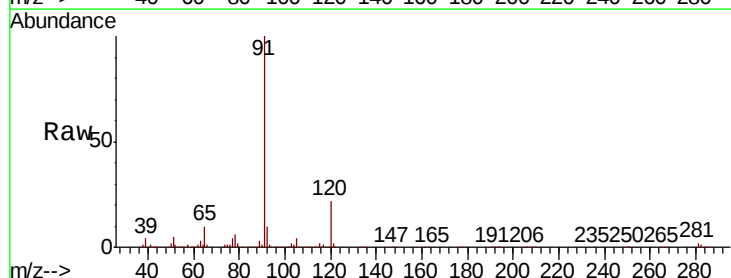
RT: 11.35 min Scan# 1717

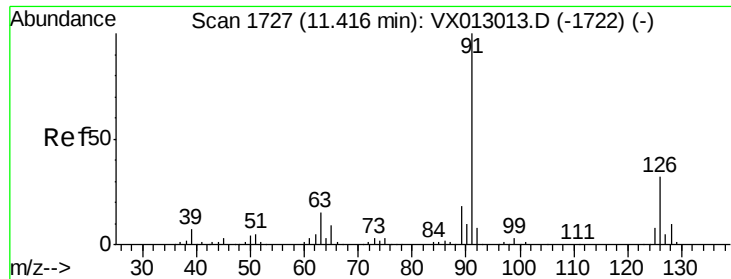
Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.7	35.1	





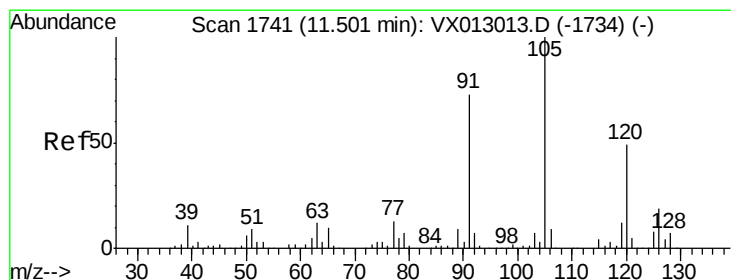
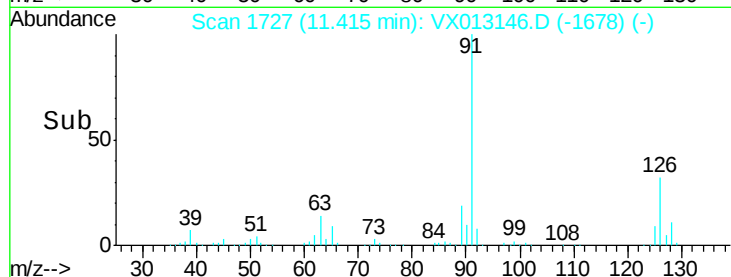
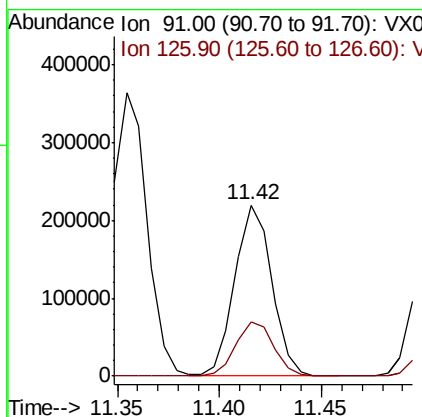
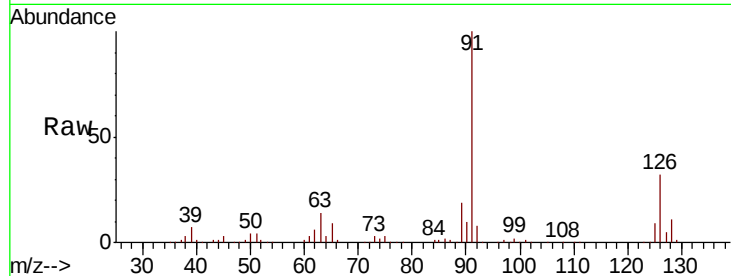
#79
 2-Chlorotoluene
 Concen: 55.086 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 275986
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.8

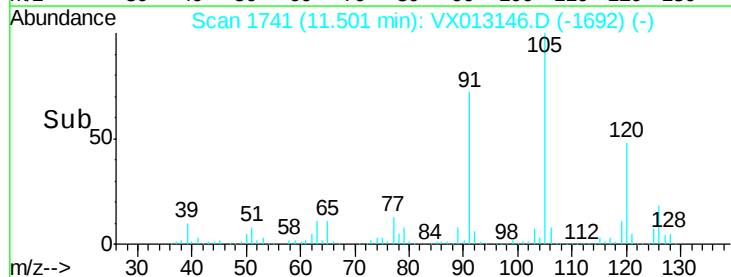
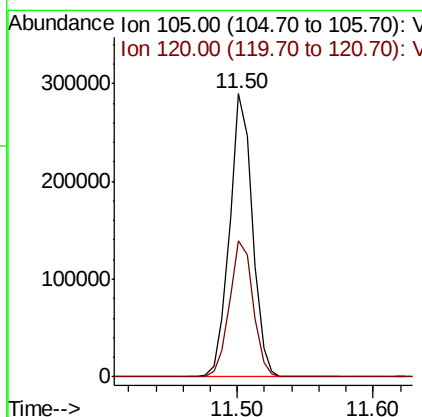
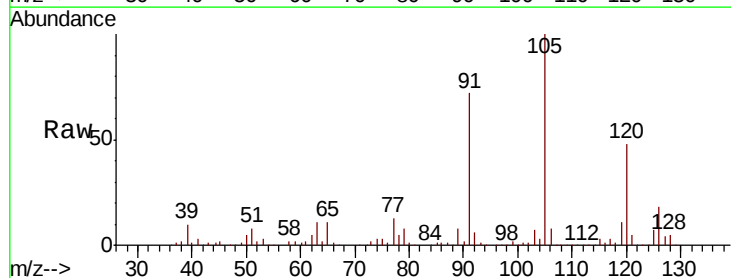
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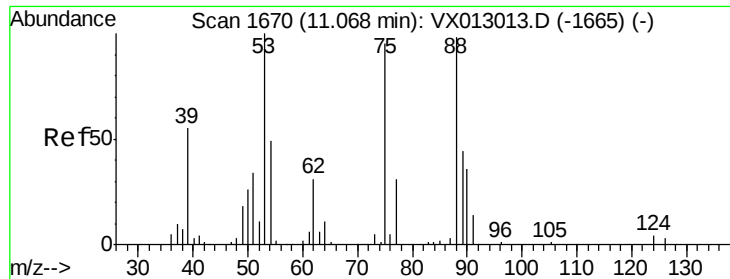
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.667 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion: 105 Resp: 336746
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 44.823 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 37705

Ion Ratio Lower Upper

75 100

53 100.2 78.5 117.7

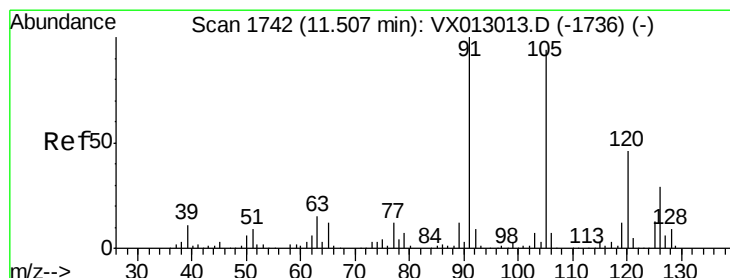
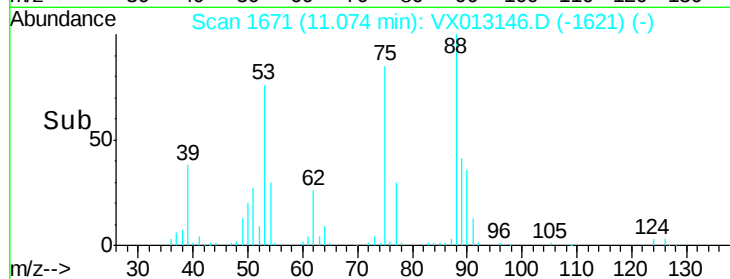
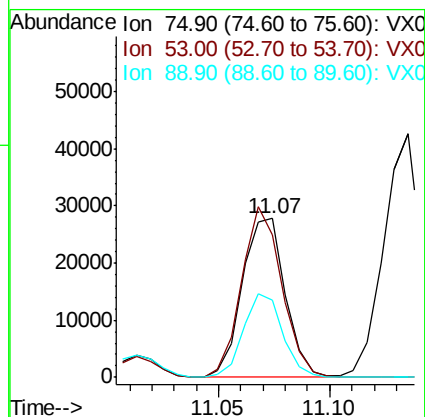
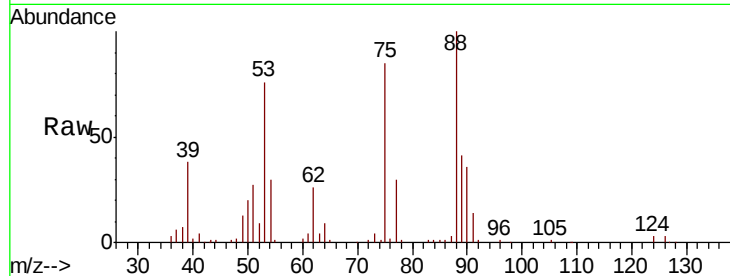
89 48.0 37.4 56.2

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#82

4-Chlorotoluene

Concen: 56.490 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013146.D

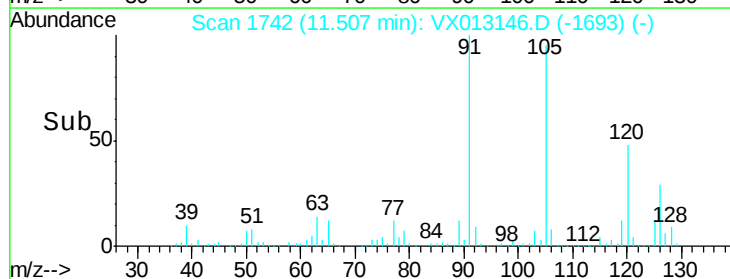
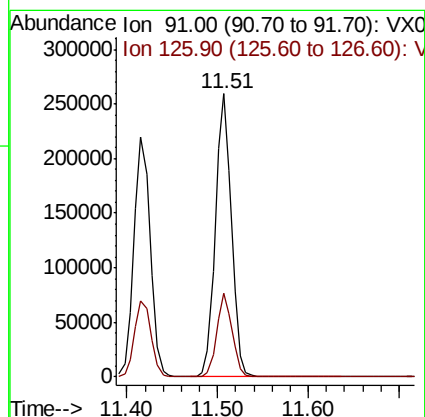
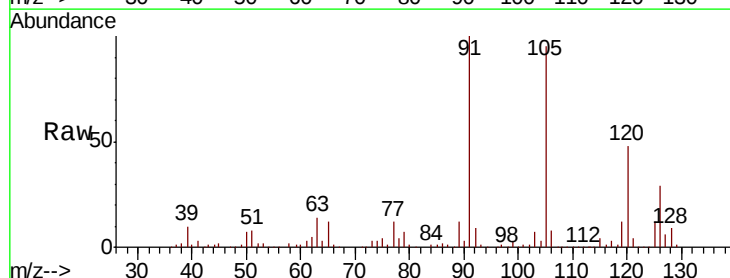
Acq: 18 Oct 2019 22:34

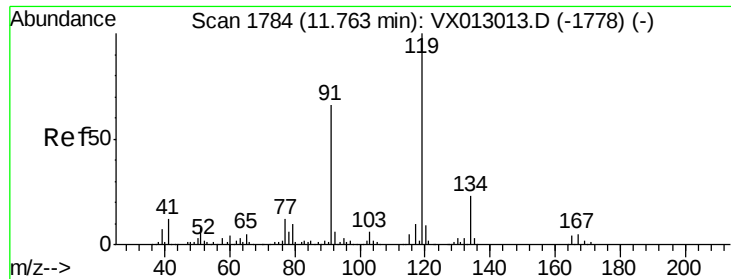
Tgt Ion: 91 Resp: 324396

Ion Ratio Lower Upper

91 100

126 27.9 14.2 42.6





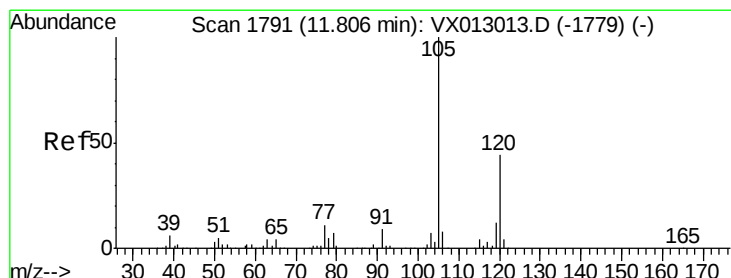
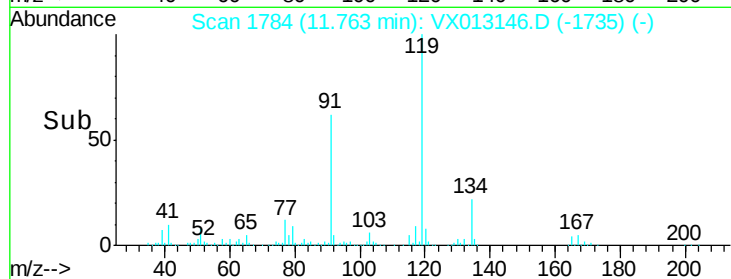
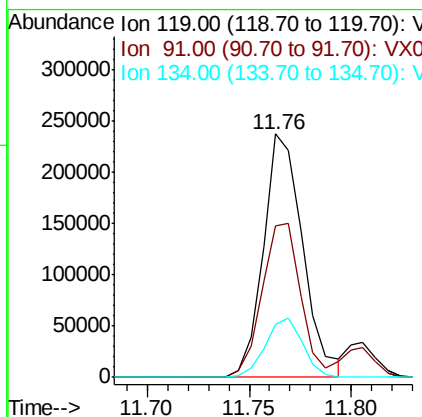
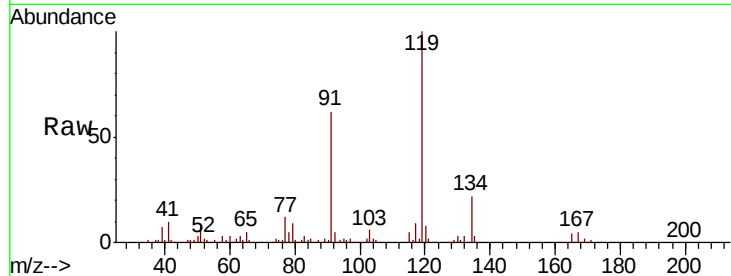
#83
 tert-Butylbenzene
 Concen: 54.306 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	29.3	87.9
134	23.0	11.5	34.4

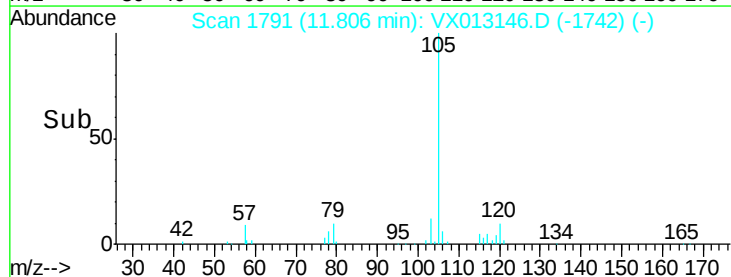
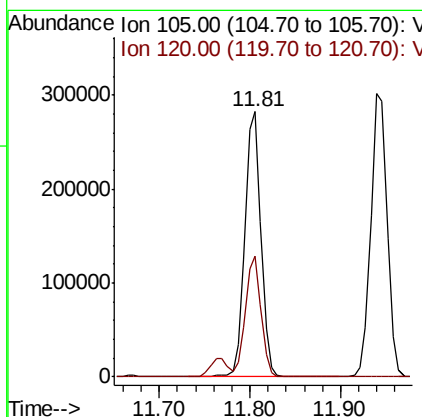
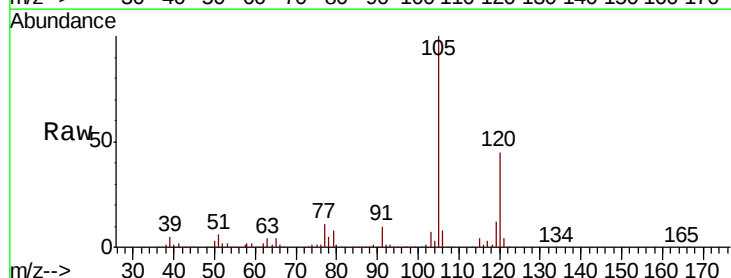
Manual Integrations
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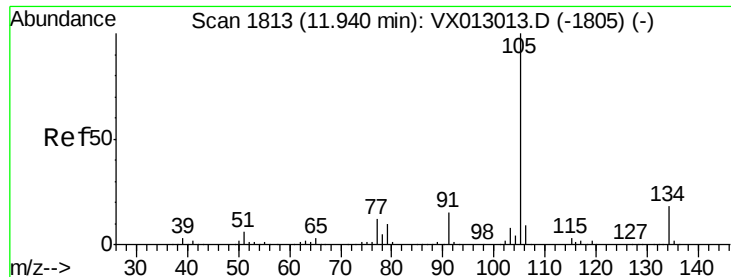
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.515 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.3





#85

sec-Butylbenzene

Concen: 55.302 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 378078

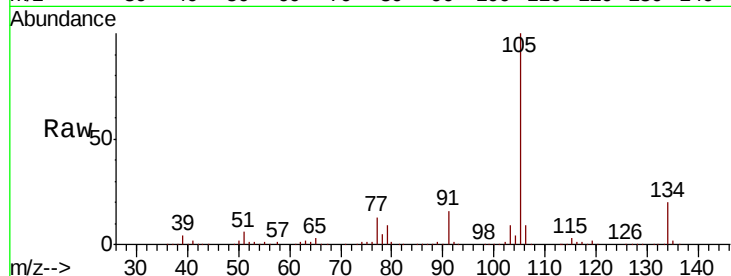
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

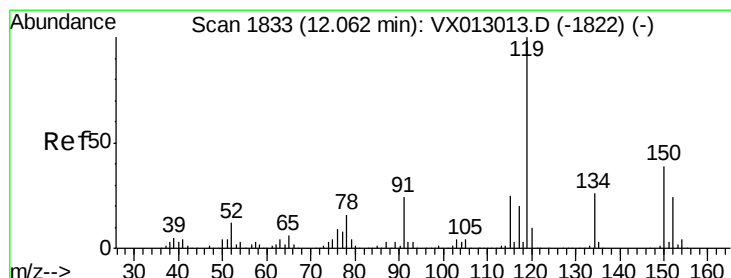
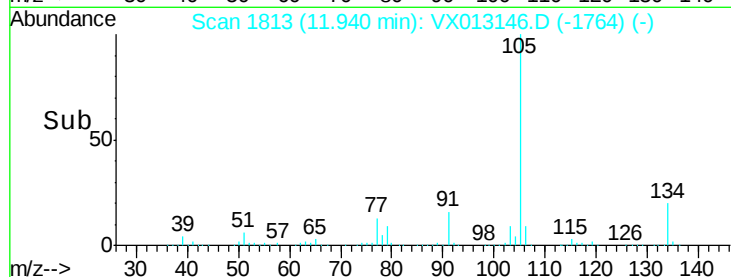
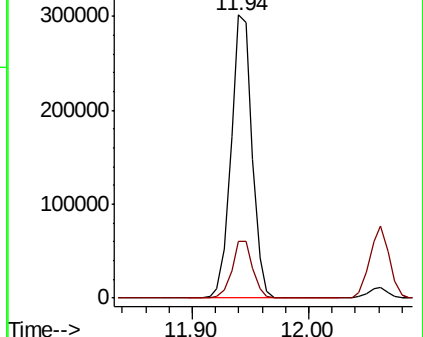
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.286 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013146.D

Acq: 18 Oct 2019 22:34

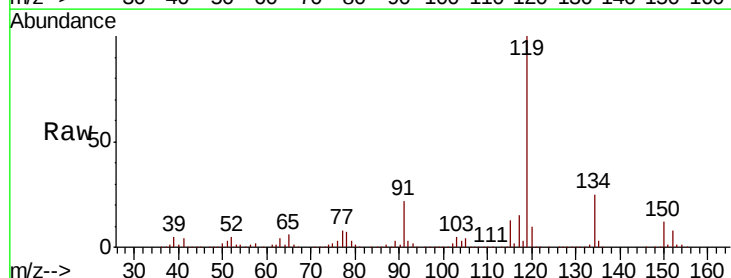
Tgt Ion:119 Resp: 356887

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

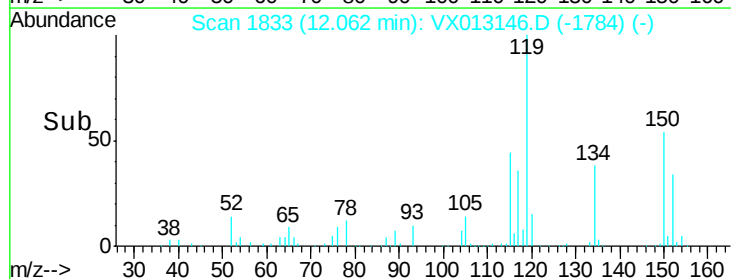
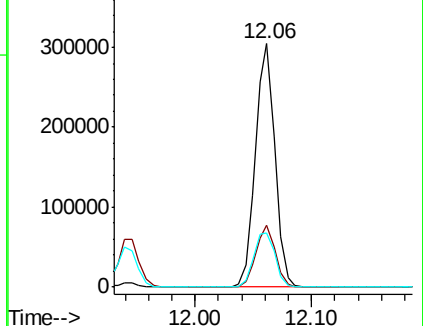
91 24.4 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





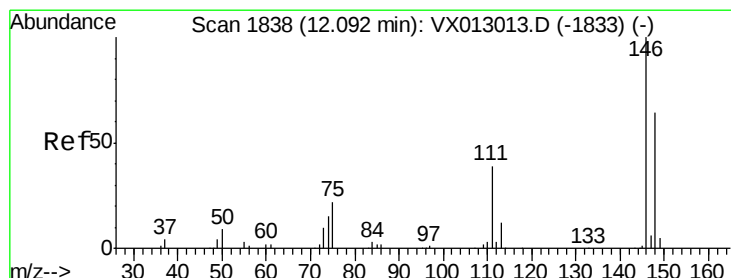
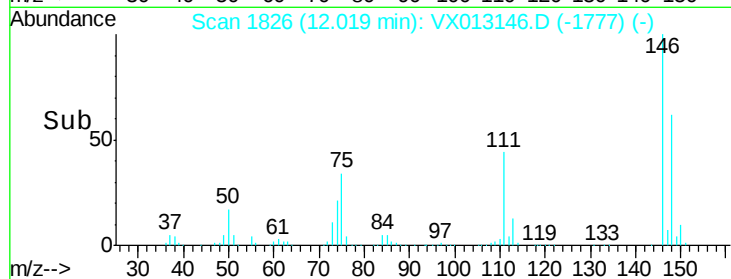
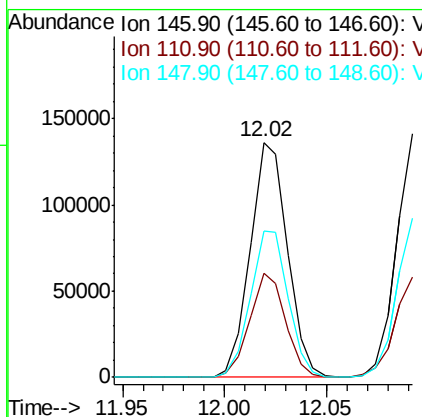
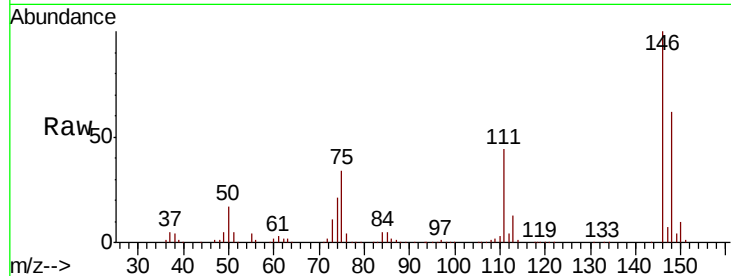
#87
 1,3-Dichlorobenzene
 Concen: 54.687 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.3	31.6	95.0

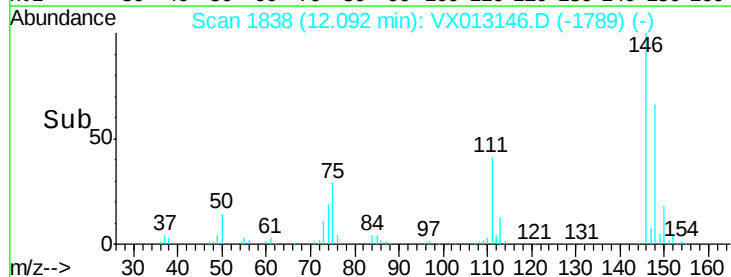
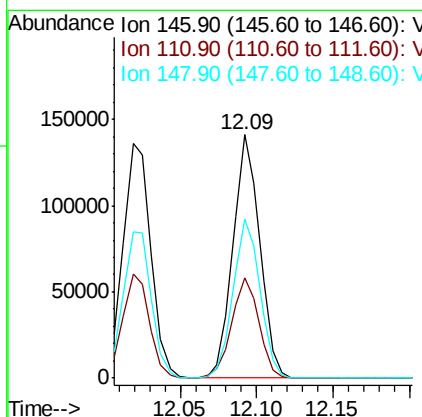
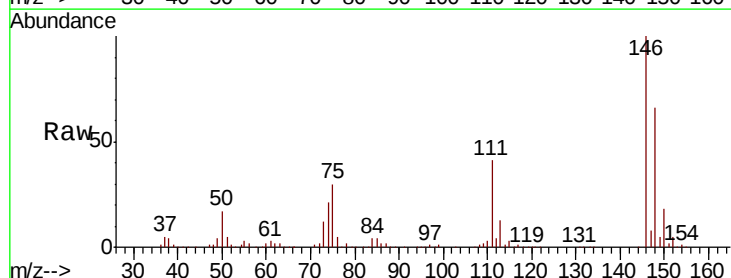
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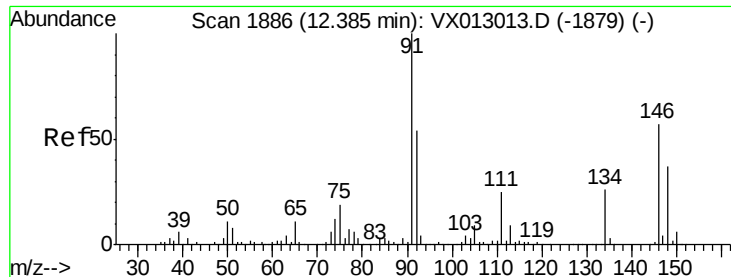
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#88
 1,4-Dichlorobenzene
 Concen: 53.289 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	65.7	32.1	96.5





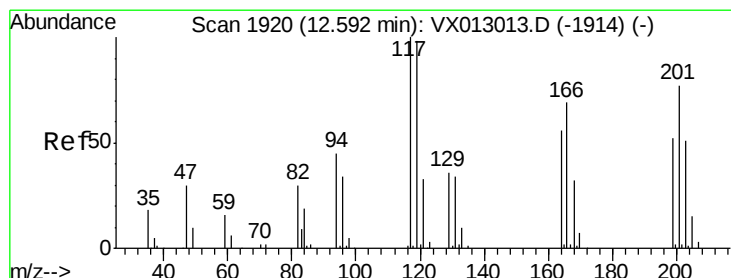
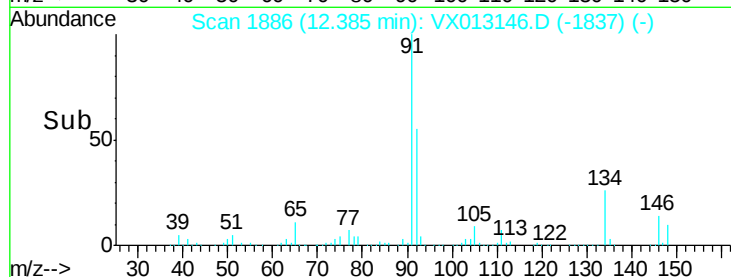
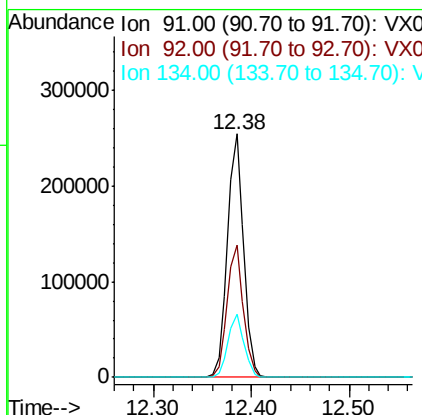
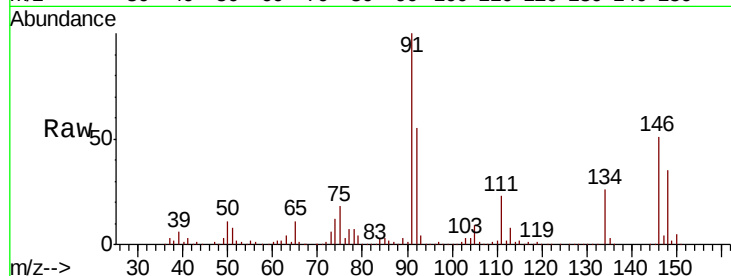
#89
n-Butylbenzene
Concen: 54.673 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.5
134	25.9	12.9	38.7

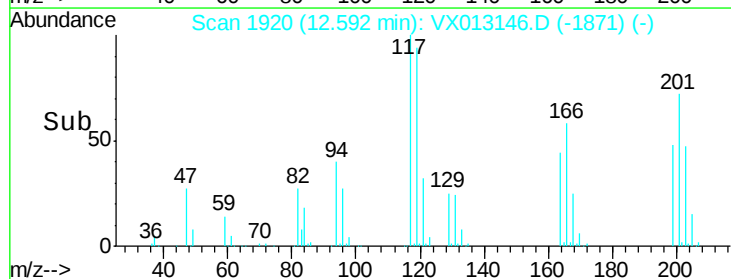
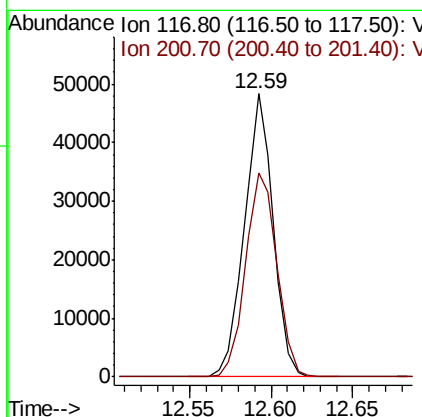
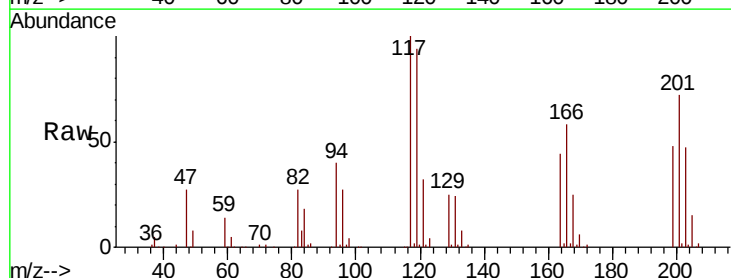
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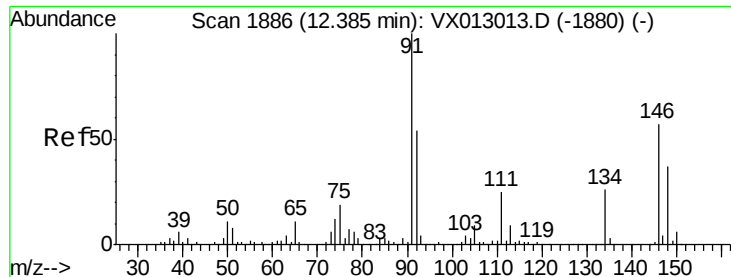
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#90
Hexachloroethane
Concen: 50.502 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	36.9	110.7





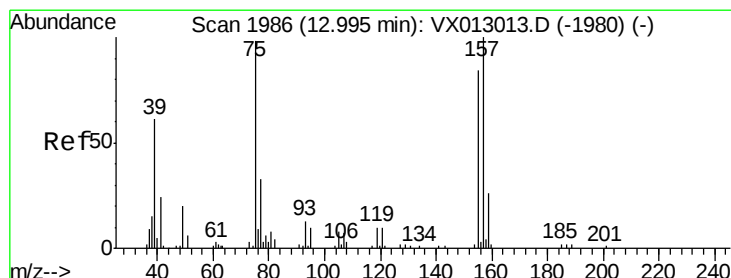
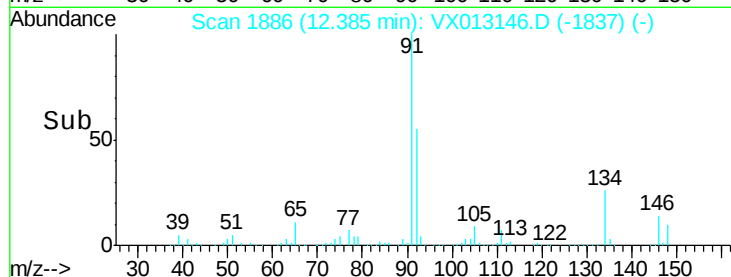
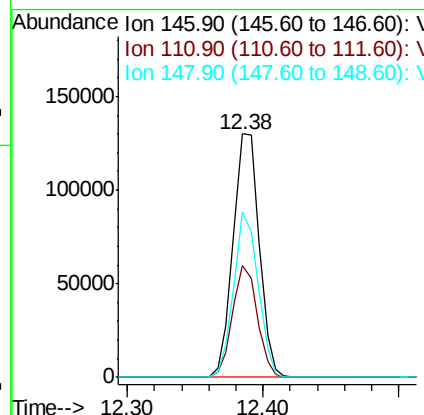
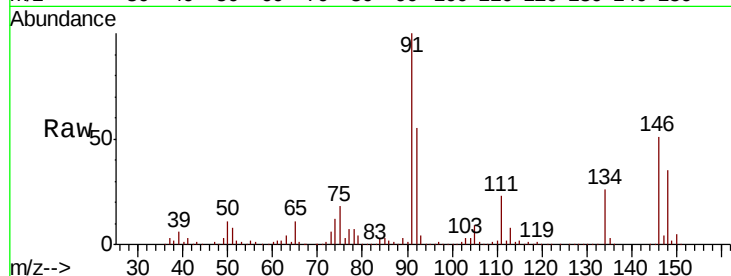
#91
 1,2-Dichlorobenzene
 Concen: 56.058 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.7	68.0
148	63.5	31.6	94.7

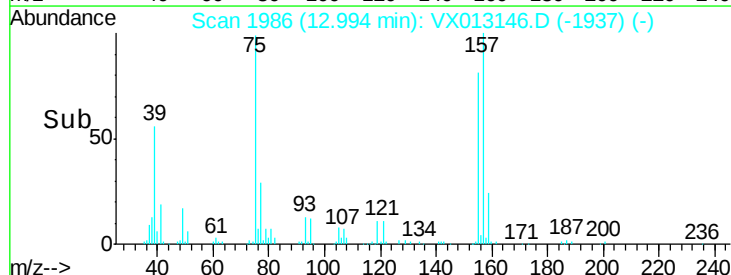
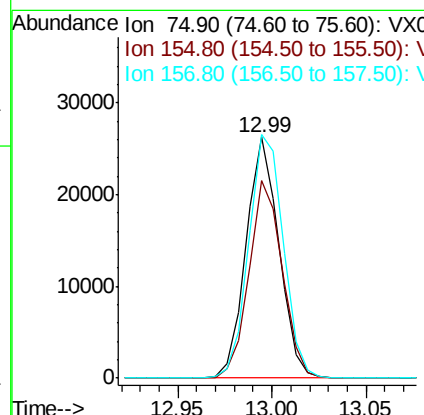
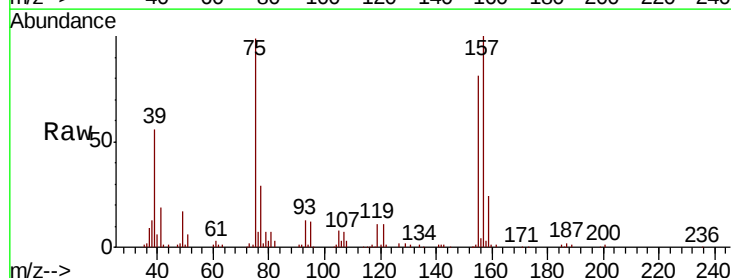
Manual Integrations
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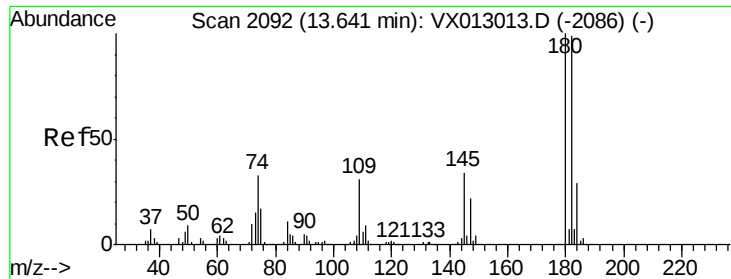
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.083 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	43.0	128.8
157	106.9	54.1	162.3





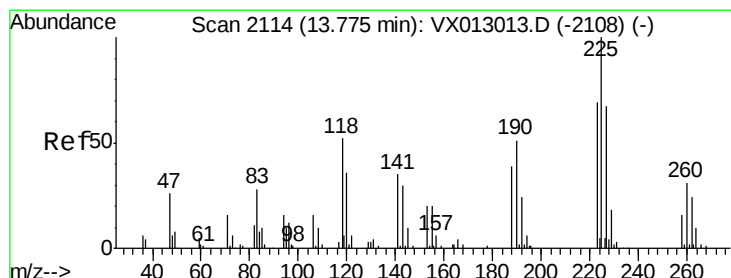
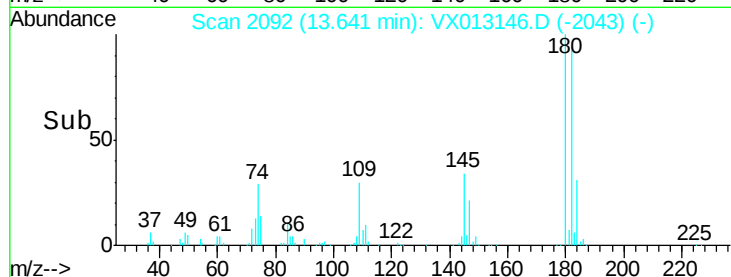
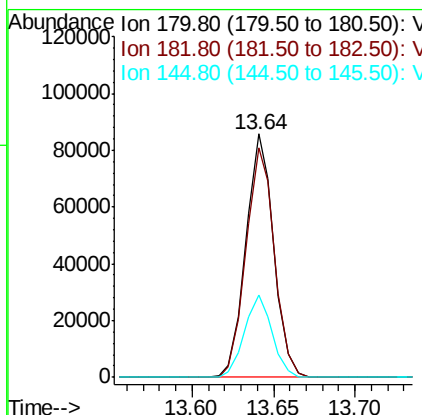
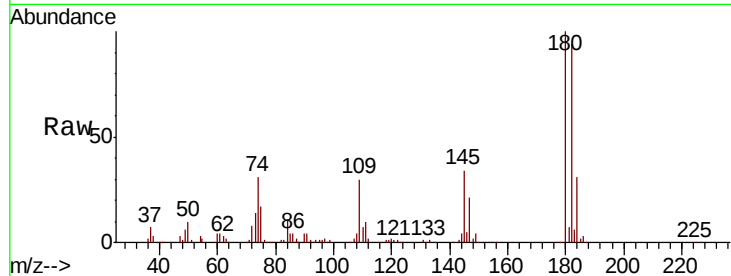
#93
 1,2,4-Trichlorobenzene
 Concen: 52.358 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101937		
182	96.5	46.8	140.4	
145	33.6	16.2	48.6	

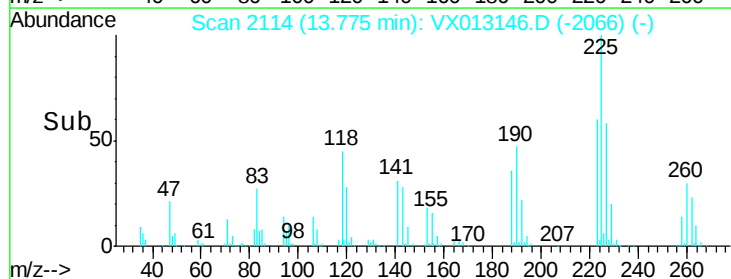
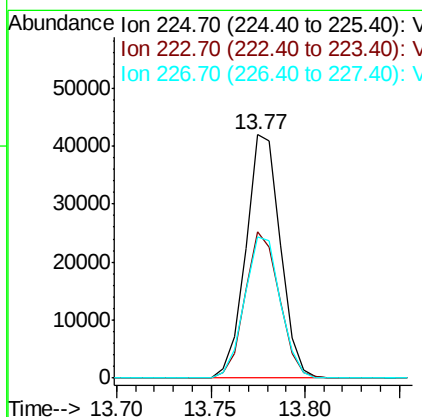
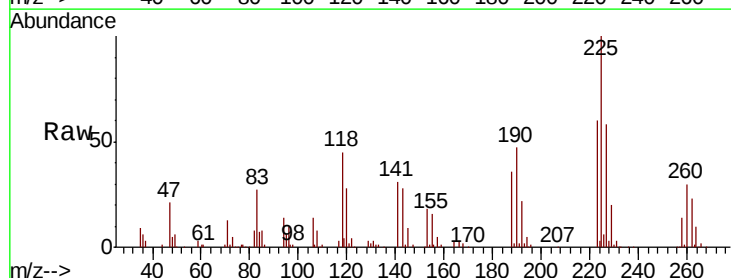
Manual Integrations
 APPROVED

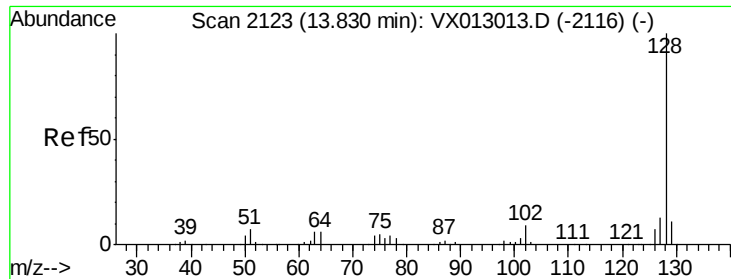
MMDadoda
 10/21/2019 11:03:14 AM



#94
 Hexachlorobutadiene
 Concen: 59.112 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013146.D
 Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53113		
223	59.9	31.1	93.2	
227	60.2	32.3	96.9	





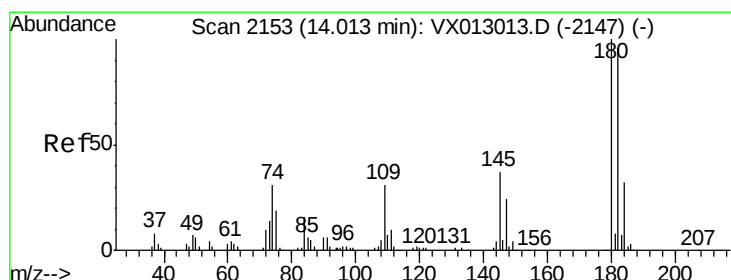
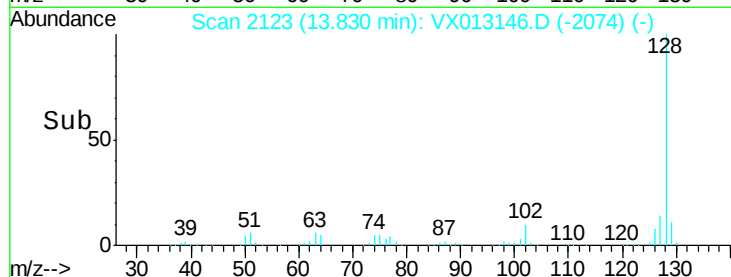
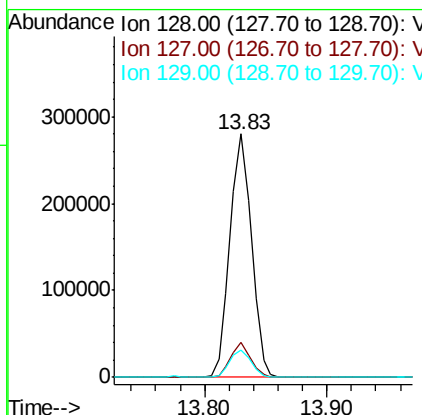
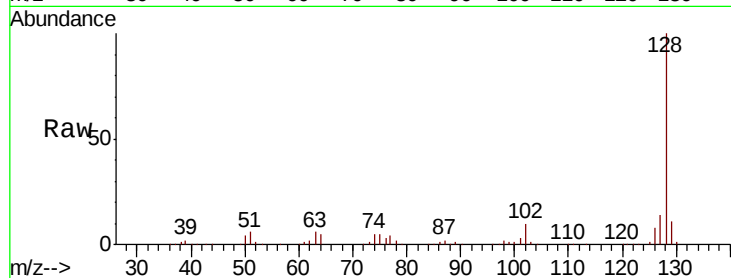
#95
Naphthalene
Concen: 50.777 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

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10/21/2019 11:03:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.743 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013146.D
Acq: 18 Oct 2019 22:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.5	142.5
145	33.8	17.4	52.3

