

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013083.D
 Acq On : 15 Oct 2019 17:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 16 06:02:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	260529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	101649	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	5.49	113	82824	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	8.71	98	302740	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.13	95	119879	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	69505	43.889	ug/l 99
3) Chloromethane	1.32	50	80708	46.828	ug/l 98
4) Vinyl Chloride	1.40	62	79963	44.950	ug/l 100
5) Bromomethane	1.62	94	32448	43.879	ug/l 97
6) Chloroethane	1.70	64	51885	47.765	ug/l 97
7) Trichlorofluoromethane	1.92	101	115287	48.016	ug/l 98
8) Diethyl Ether	2.18	74	49585	51.163	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74966	48.243	ug/l 99
10) Methyl Iodide	2.50	142	96439	54.295	ug/l 99
11) Tert butyl alcohol	3.04	59	124922	242.677	ug/l 99
12) 1,1-Dichloroethene	2.36	96	74667	47.558	ug/l 94
13) Acrolein	2.28	56	103279	282.320	ug/l 100
14) Allyl chloride	2.72	41	138280	49.456	ug/l 98
15) Acrylonitrile	3.13	53	261740	268.308	ug/l 98
16) Acetone	2.44	43	259062	253.102	ug/l 99
17) Carbon Disulfide	2.56	76	183017	40.881	ug/l 99
18) Methyl Acetate	2.76	43	126464	52.127	ug/l 98
19) Methyl tert-butyl Ether	3.19	73	292174	53.888	ug/l 98
20) Methylene Chloride	2.84	84	92593	49.223	ug/l 98
21) trans-1,2-Dichloroethene	3.16	96	84467	50.195	ug/l 96
22) Diisopropyl ether	3.84	45	283315	52.880	ug/l 95
23) Vinyl Acetate	3.80	43	1227251	265.344	ug/l 100
24) 1,1-Dichloroethane	3.69	63	156324	51.864	ug/l 98
25) 2-Butanone	4.66	43	367449	258.761	ug/l 99
26) 2,2-Dichloropropane	4.58	77	130309	51.412	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	99553	51.323	ug/l 99
28) Bromochloromethane	5.00	49	49203	54.665	ug/l 96
29) Tetrahydrofuran	5.11	42	227297	260.113	ug/l 98
30) Chloroform	5.20	83	159561	51.593	ug/l 97
31) Cyclohexane	5.57	56	124078	44.024	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	135361	51.655	ug/l 99
36) 1,1-Dichloropropene	5.79	75	111493	48.674	ug/l 99
37) Ethyl Acetate	4.82	43	132349	51.672	ug/l 99
38) Carbon Tetrachloride	5.77	117	112750	50.571	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130230	46.881	ug/l	98
40) Benzene	6.13	78	357738	52.879	ug/l	99
41) Methacrylonitrile	5.03	41	72113	51.238	ug/l	97
42) 1,2-Dichloroethane	6.19	62	131687	54.246	ug/l	99
43) Isopropyl Acetate	6.44	43	214344	52.139	ug/l	98
44) Trichloroethene	7.21	130	93895	50.050	ug/l	98
45) 1,2-Dichloropropane	7.51	63	93806	54.404	ug/l	99
46) Dibromomethane	7.65	93	62741	54.615	ug/l	98
47) Bromodichloromethane	7.89	83	124411	55.494	ug/l	98
48) Methyl methacrylate	7.76	41	105868	52.846	ug/l	99
49) 1,4-Dioxane	7.73	88	54661	1016.162	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	688384	268.574	ug/l	99
52) Toluene	8.78	92	228406	52.772	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	135769	48.591	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	151433	54.920	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	94930	55.423	ug/l	96
56) Ethyl methacrylate	9.17	69	155451	50.658	ug/l	97
57) 1,3-Dichloropropane	9.37	76	160301	54.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	351557	279.395	ug/l	99
59) 2-Hexanone	9.49	43	539603	270.448	ug/l	98
60) Dibromochloromethane	9.58	129	97205	50.960	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99130	55.017	ug/l	99
64) Tetrachloroethene	9.33	164	87927	53.108	ug/l	96
65) Chlorobenzene	10.14	112	243476	51.364	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	90815	55.255	ug/l	99
67) Ethyl Benzene	10.25	91	432954	51.420	ug/l	98
68) m/p-Xylenes	10.36	106	326672	103.852	ug/l	100
69) o-Xylene	10.70	106	162208	52.880	ug/l	99
70) Styrene	10.71	104	282497	54.173	ug/l	100
71) Bromoform	10.85	173	66500	47.652	ug/l #	99
73) Isopropylbenzene	11.01	105	418750	49.221	ug/l	99
74) N-amyl acetate	10.89	43	190050	51.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	144961	51.230	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	165061	64.313	ug/l	79
77) Bromobenzene	11.25	156	104453	52.102	ug/l	98
78) n-propylbenzene	11.35	91	471928	50.412	ug/l	99
79) 2-Chlorotoluene	11.42	91	296717	50.433	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	365257	51.417	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45879	46.297	ug/l	98
82) 4-Chlorotoluene	11.51	91	345481	51.232	ug/l	99
83) tert-Butylbenzene	11.76	119	350984	50.649	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	374346	52.032	ug/l	99
85) sec-Butylbenzene	11.94	105	408461	50.877	ug/l	99
86) p-Isopropyltoluene	12.06	119	373397	50.148	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187986	50.495	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	185050	49.079	ug/l	99
89) n-Butylbenzene	12.39	91	318185	50.845	ug/l	99
90) Hexachloroethane	12.59	117	63741	46.381	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	189974	52.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	35294	53.217	ug/l	98

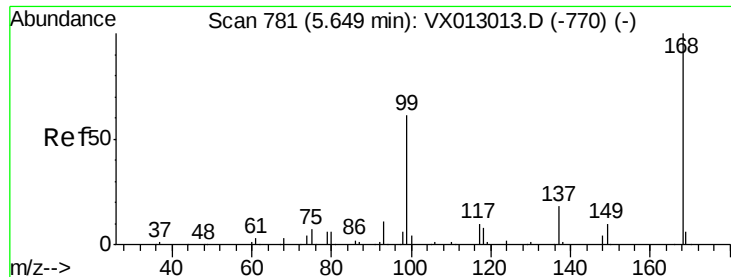
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	119425	52.235	ug/l	100
94) Hexachlorobutadiene	13.78	225	52589	49.841	ug/l	97
95) Naphthalene	13.83	128	414683	52.323	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	116966	49.506	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

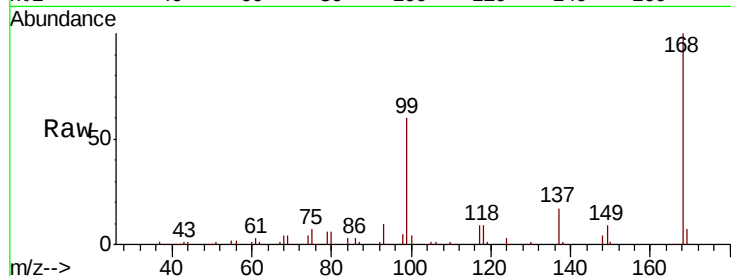
VSTDCCC050EC

Tot Ion:168 Resp: 155364

Ion Ratio Lower Upper

168 100

99 60.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

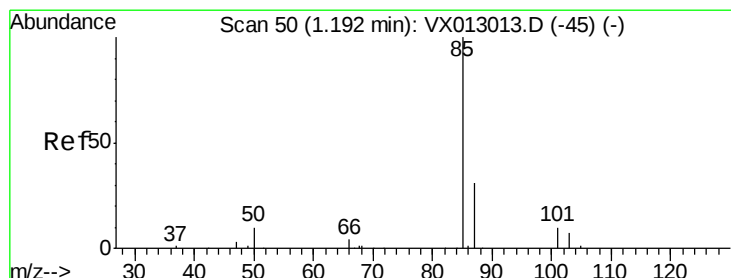
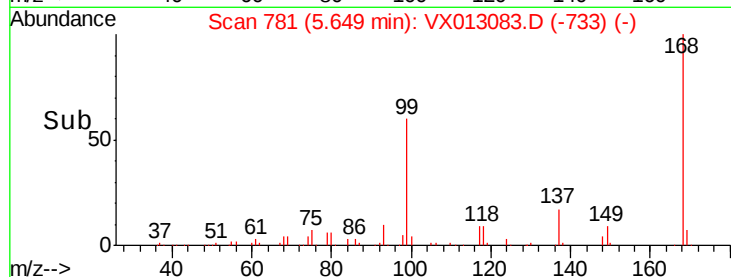
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.889 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013083.D

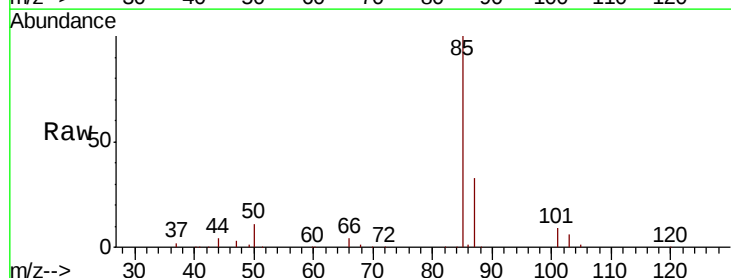
Acq: 15 Oct 2019 17:13

Tgt Ion: 85 Resp: 69505

Ion Ratio Lower Upper

85 100

87 32.5 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

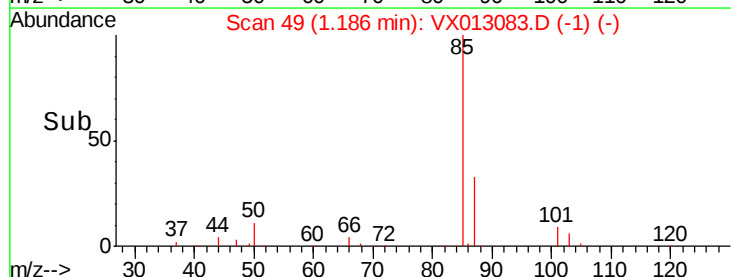
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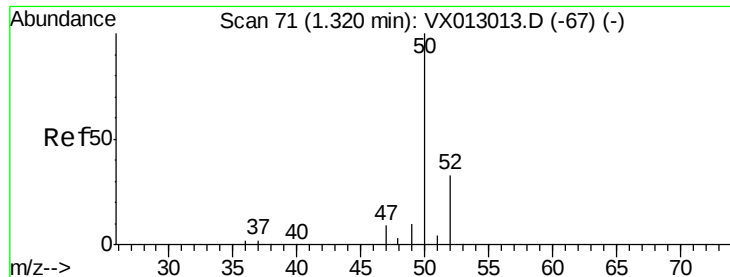
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.828 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

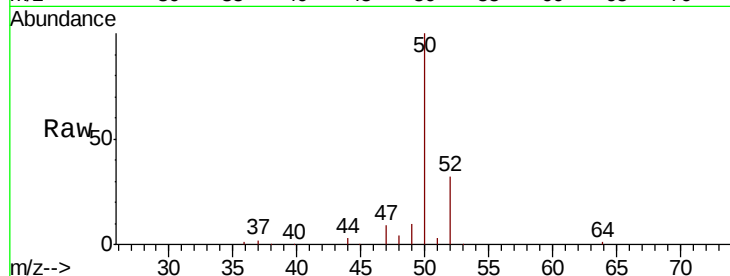
VSTDCCC050EC

Tot Ion: 50 Resp: 80708

Ion Ratio Lower Upper

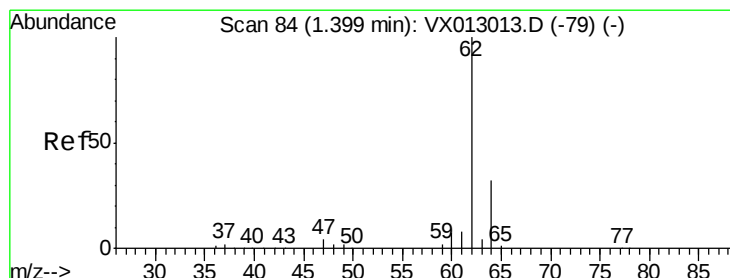
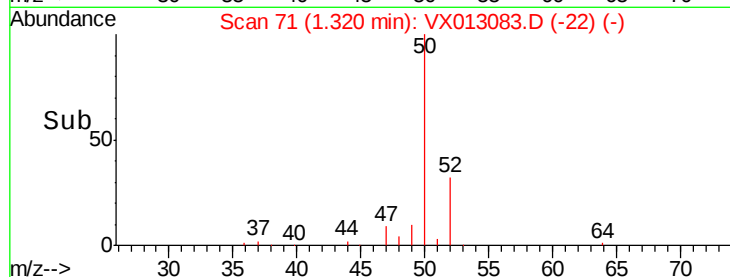
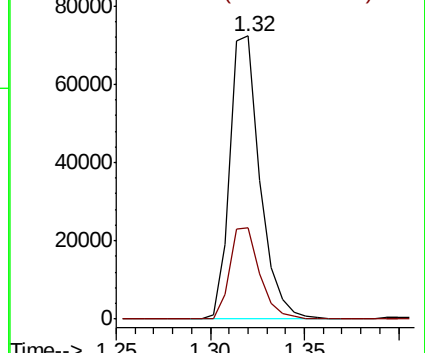
50 100

52 32.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.950 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013083.D

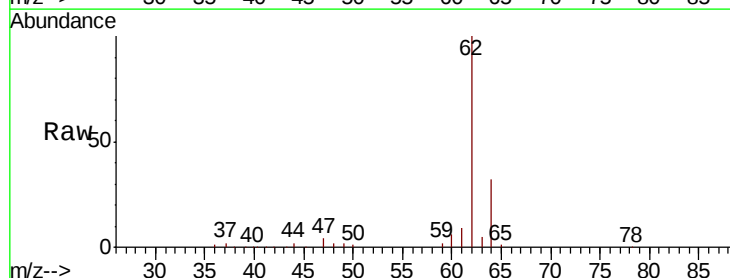
Acq: 15 Oct 2019 17:13

Tgt Ion: 62 Resp: 79963

Ion Ratio Lower Upper

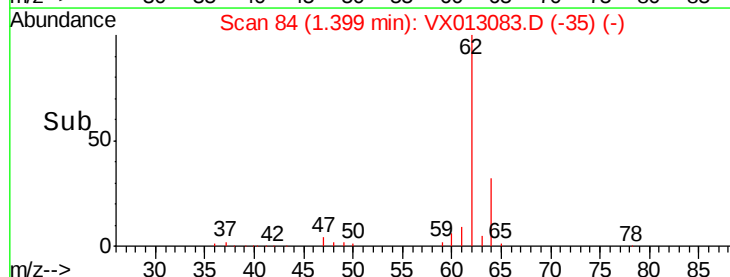
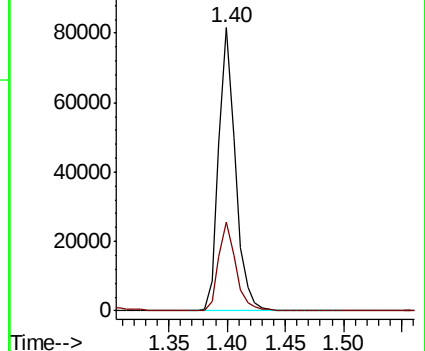
62 100

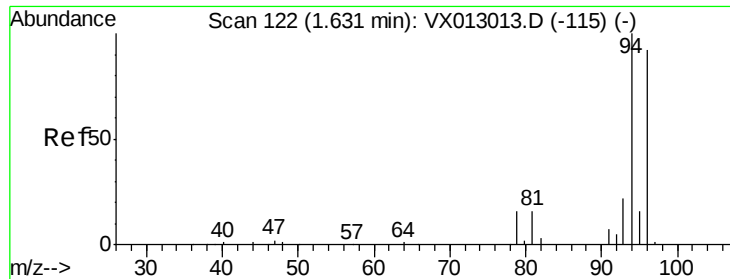
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

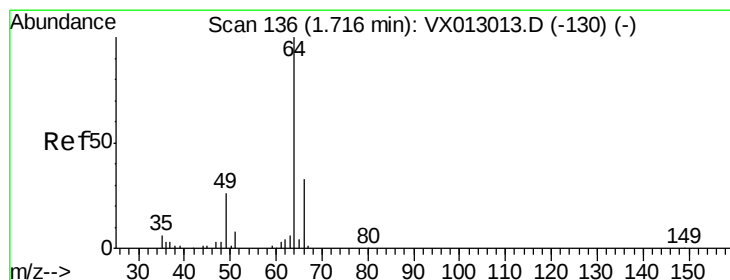
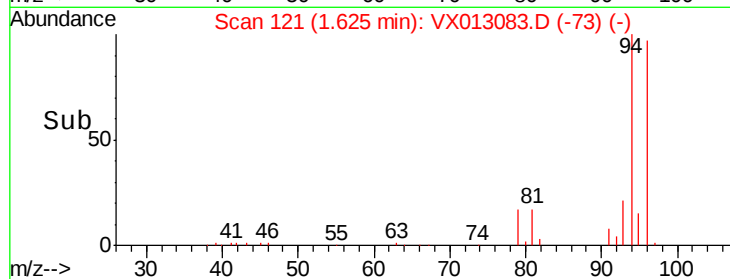
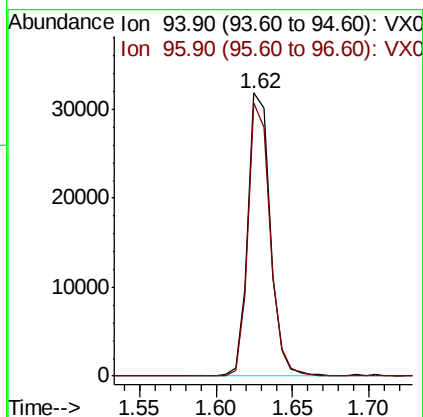
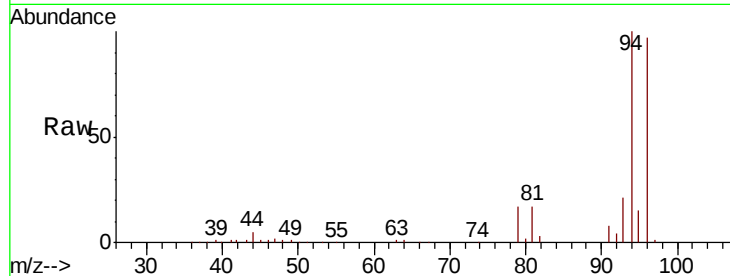




#5
Bromomethane
Concen: 43.879 ug/l
RT: 1.62 min Scan# 121
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

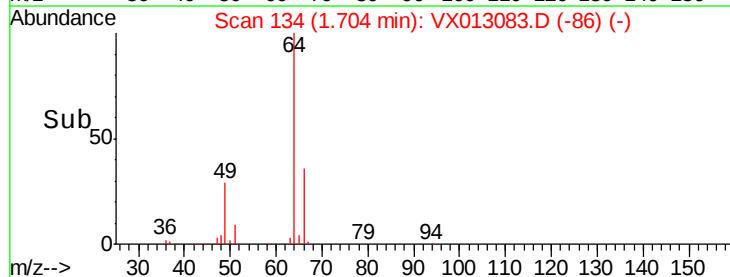
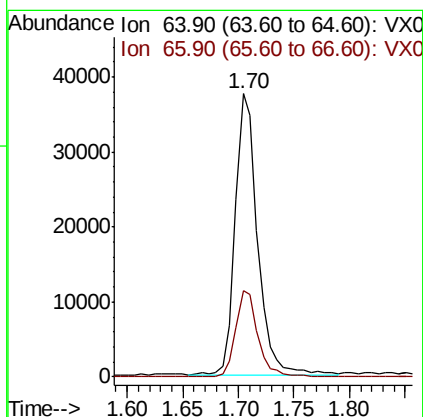
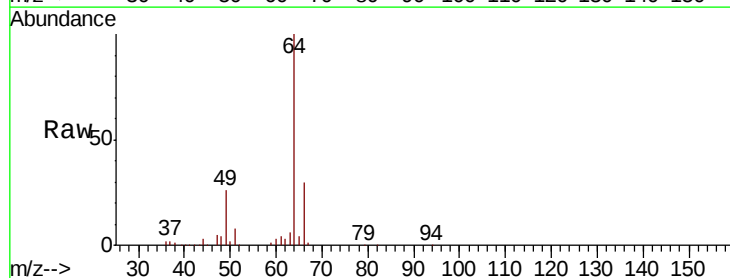
Instrument :
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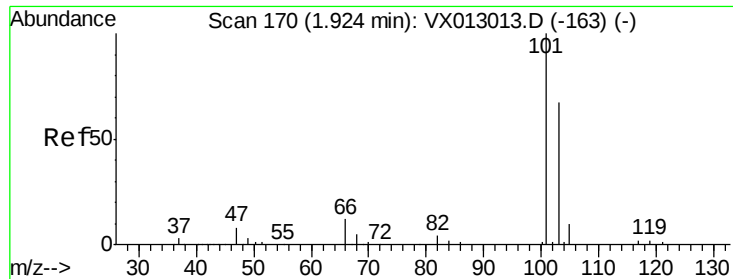
Tot Ion: 94 Resp: 32448
Ion Ratio Lower Upper
94 100
96 96.6 74.7 112.1



#6
Chloroethane
Concen: 47.765 ug/l
RT: 1.70 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 64 Resp: 51885
Ion Ratio Lower Upper
64 100
66 30.6 25.6 38.4



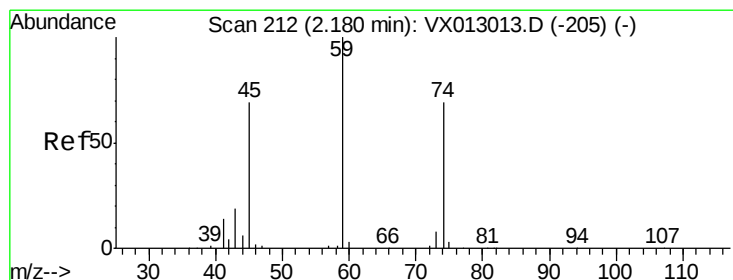
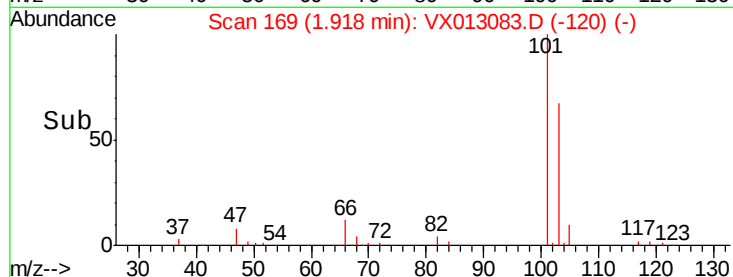
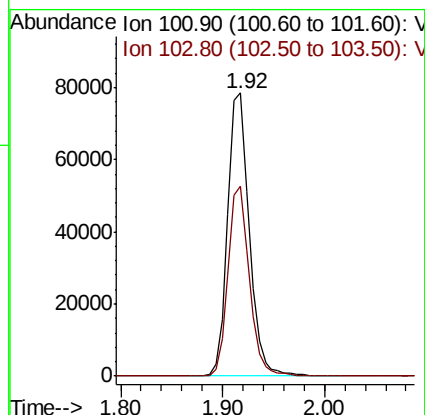
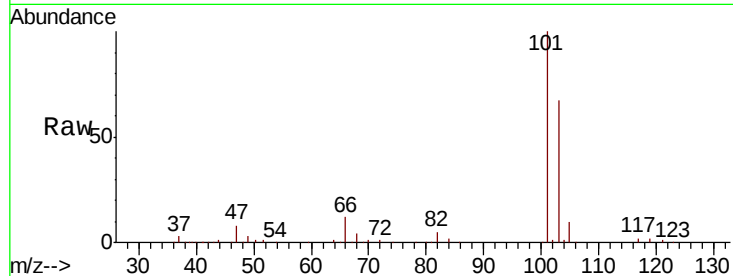


#7

Trichlorofluoromethane
 Concen: 48.016 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

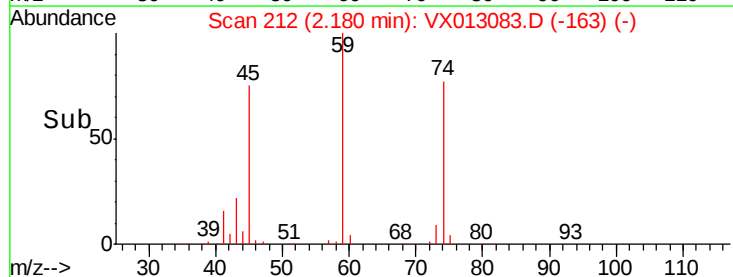
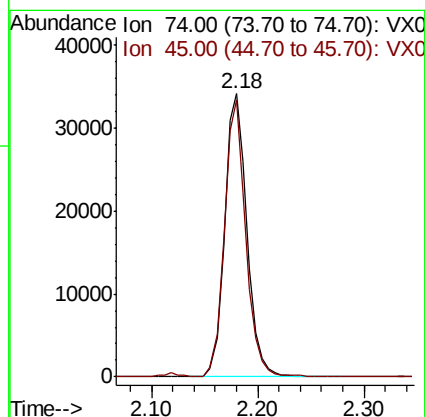
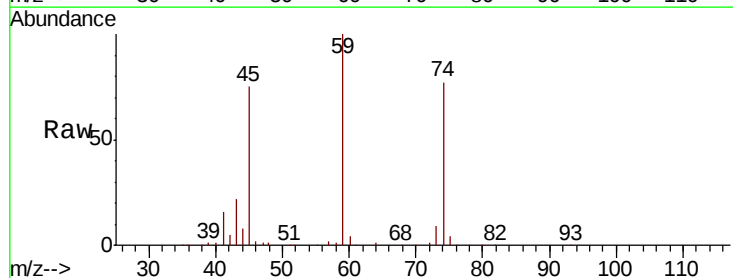
Tot Ion:101 Resp: 115287
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.5 78.7

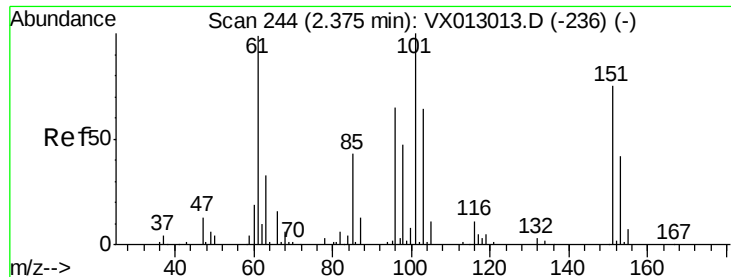


#8

Diethyl Ether
 Concen: 51.163 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 74 Resp: 49585
 Ion Ratio Lower Upper
 74 100
 45 94.4 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.243 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

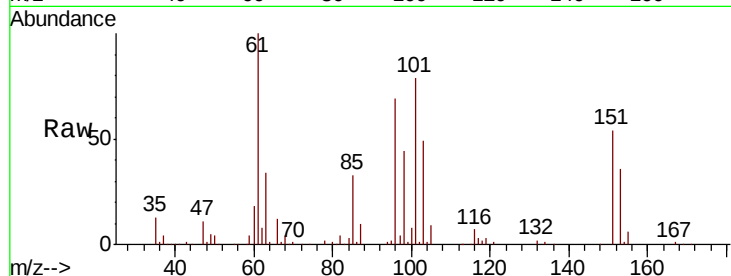
Tot Ion:101 Resp: 74966

Ion Ratio Lower Upper

101 100

85 43.5 35.2 52.8

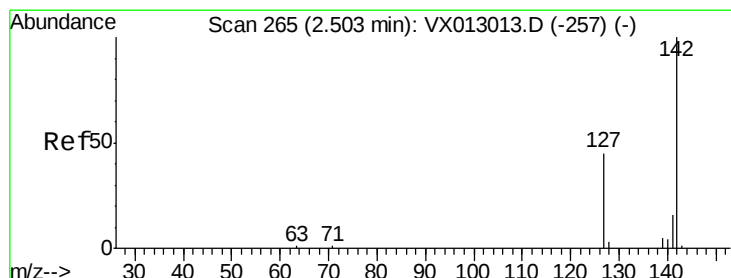
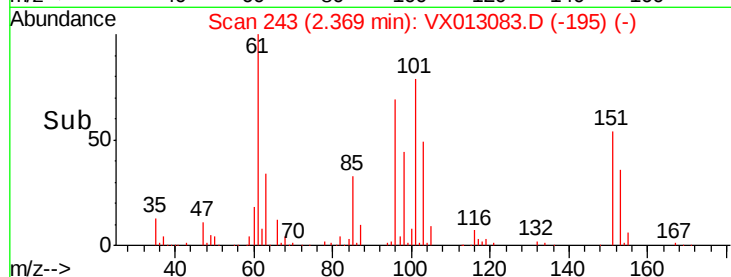
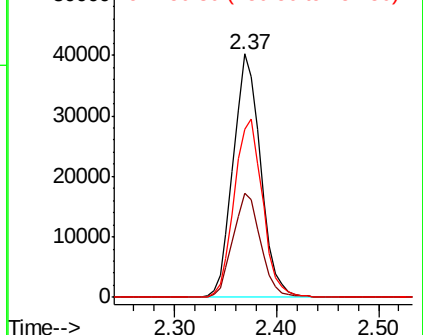
151 75.8 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.295 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

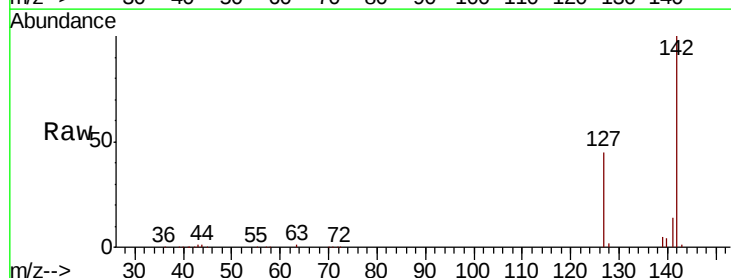
Tgt Ion:142 Resp: 96439

Ion Ratio Lower Upper

142 100

127 43.2 34.9 52.3

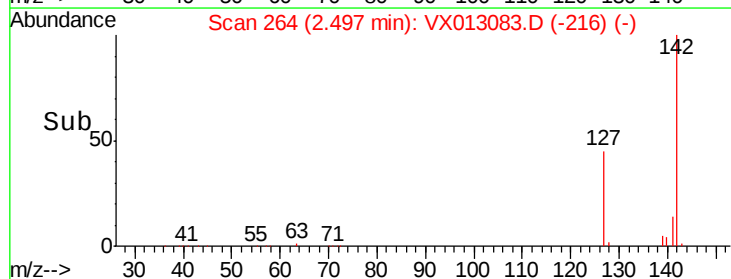
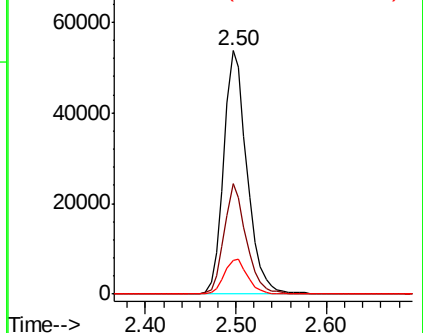
141 14.2 11.6 17.4

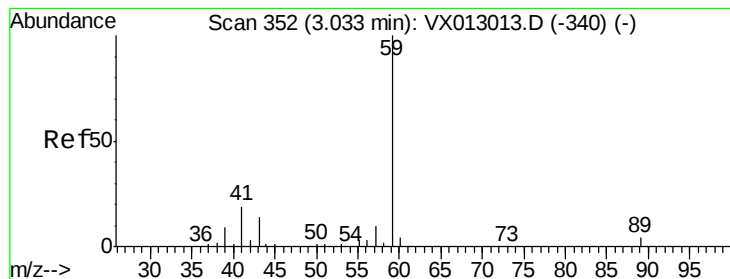


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



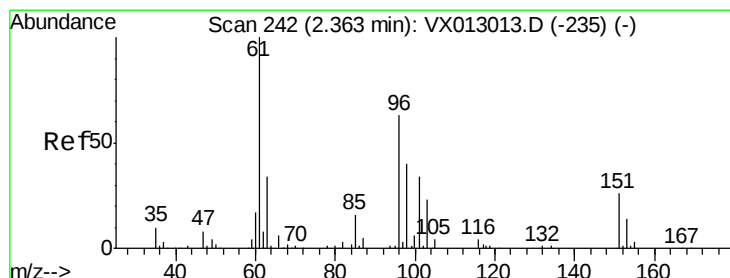
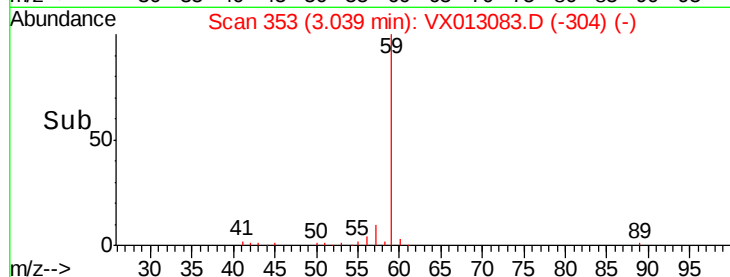
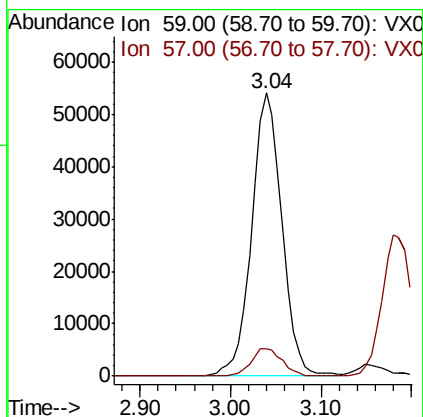
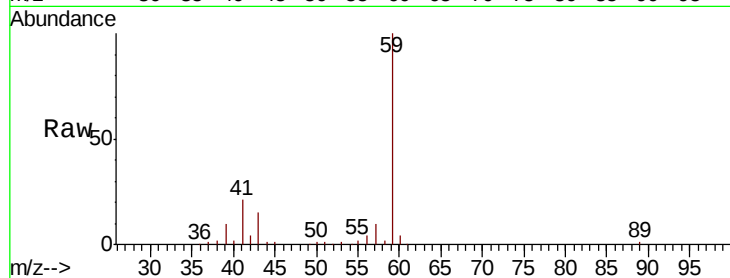


#11

Tert butyl alcohol
 Concen: 242.677 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

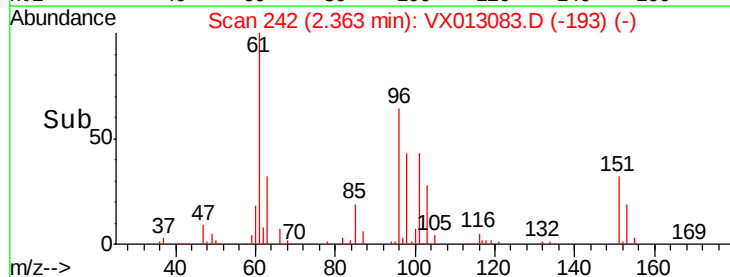
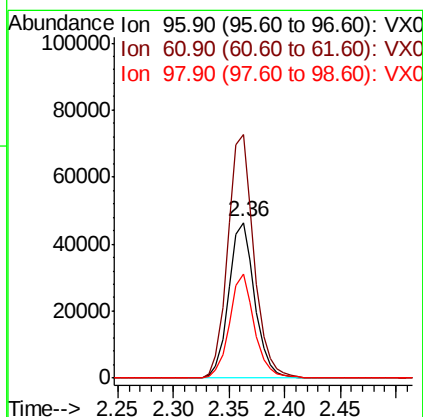
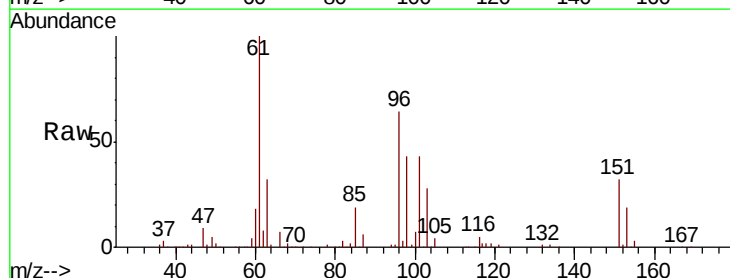
Tot Ion: 59 Resp: 124922
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

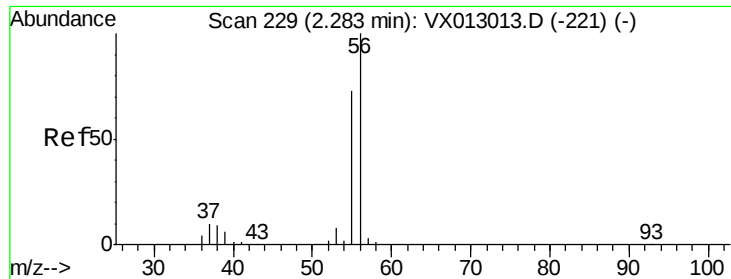


#12

1,1-Dichloroethene
 Concen: 47.558 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 96 Resp: 74667
 Ion Ratio Lower Upper
 96 100
 61 156.3 132.2 198.4
 98 66.5 50.5 75.7

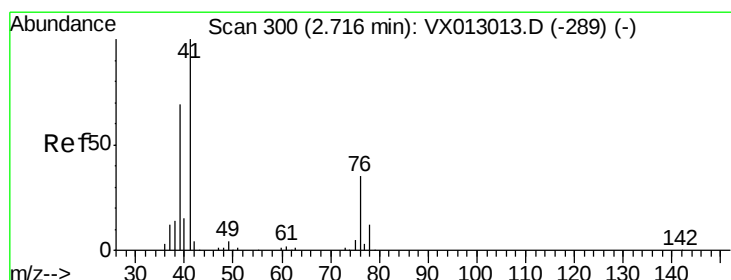
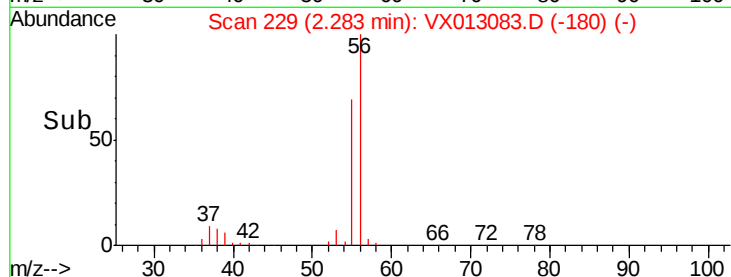
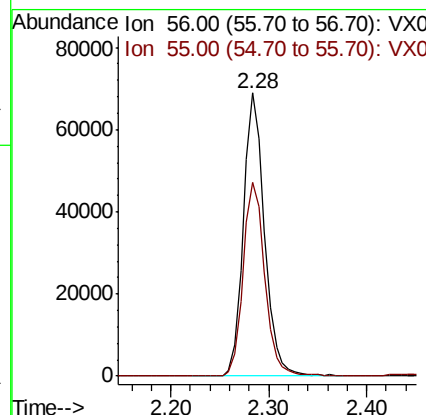
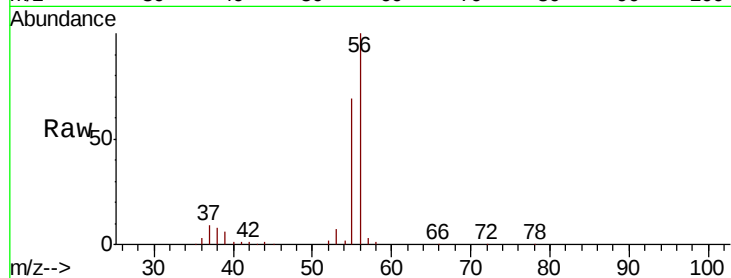




#13
 Acrolein
 Concen: 282.320 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

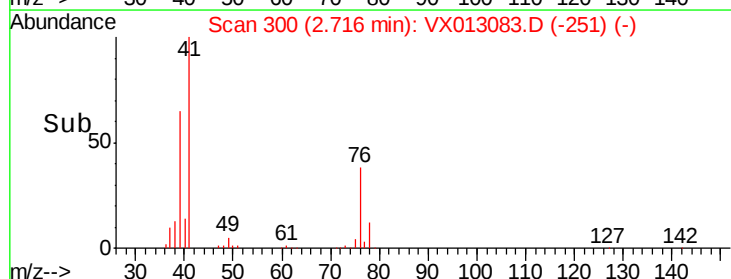
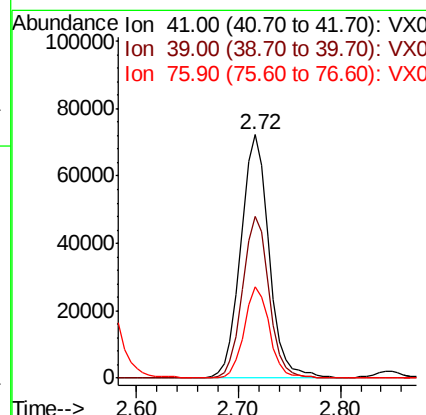
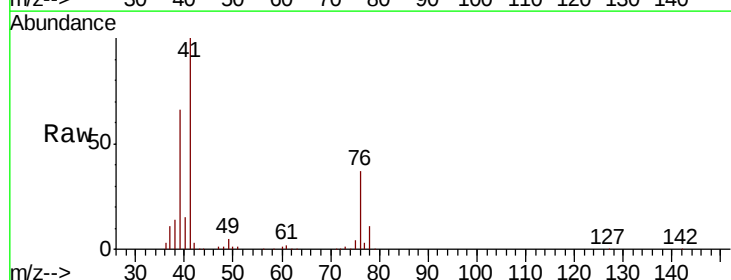
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

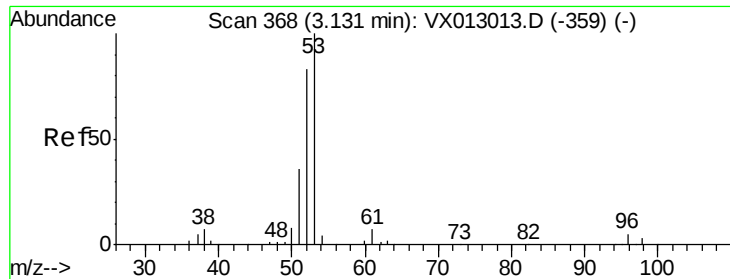
Tot Ion: 56 Resp: 103279
 Ion Ratio Lower Upper
 56 100
 55 70.5 56.6 85.0



#14
 Allyl chloride
 Concen: 49.456 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 41 Resp: 138280
 Ion Ratio Lower Upper
 41 100
 39 62.7 51.0 76.6
 76 33.9 26.2 39.4





#15

Acrylonitrile

Concen: 268.308 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

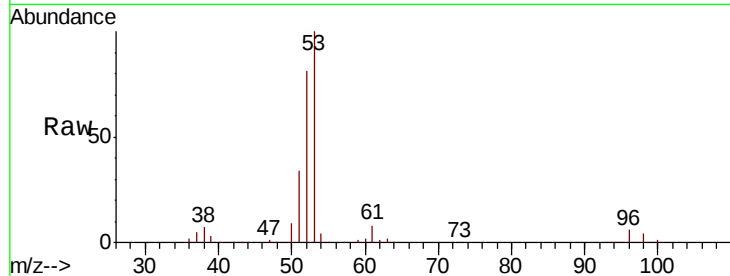
Tot Ion: 53 Resp: 261740

Ion Ratio Lower Upper

53 100

52 81.1 66.2 99.2

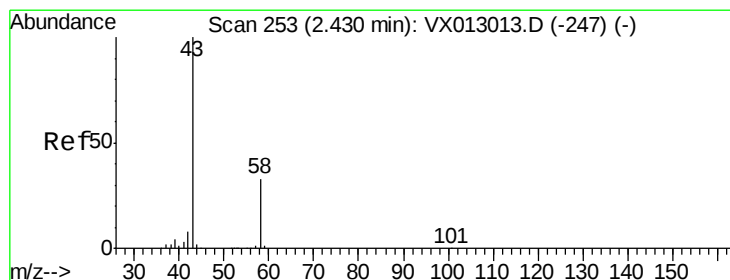
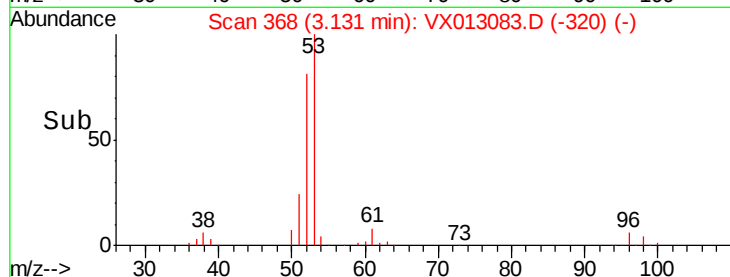
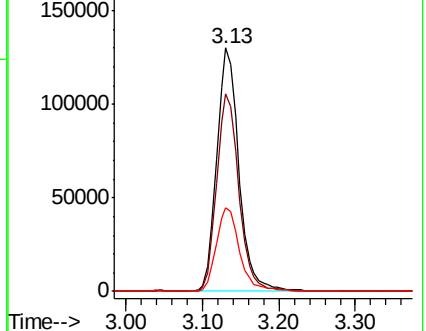
51 35.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 253.102 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX013083.D

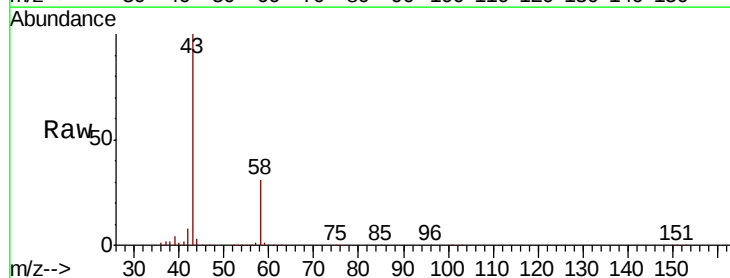
Acq: 15 Oct 2019 17:13

Tgt Ion: 43 Resp: 259062

Ion Ratio Lower Upper

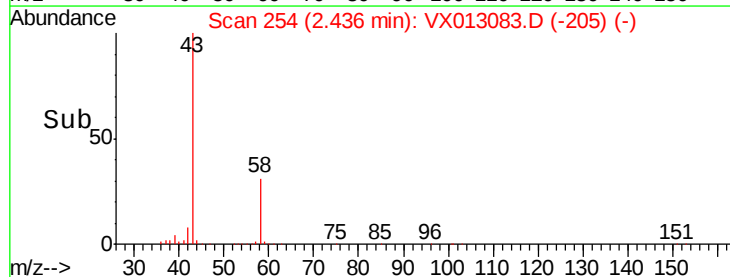
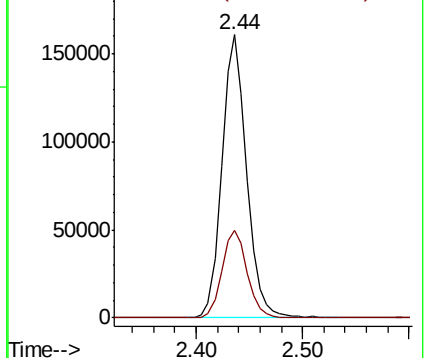
43 100

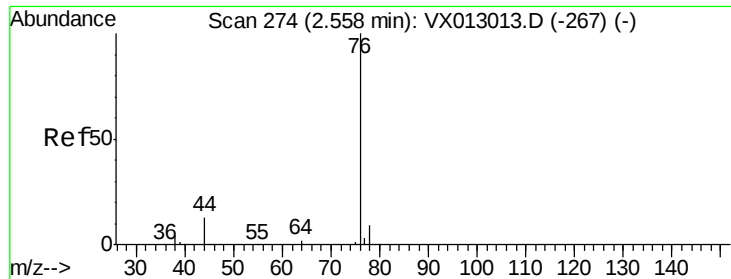
58 31.1 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

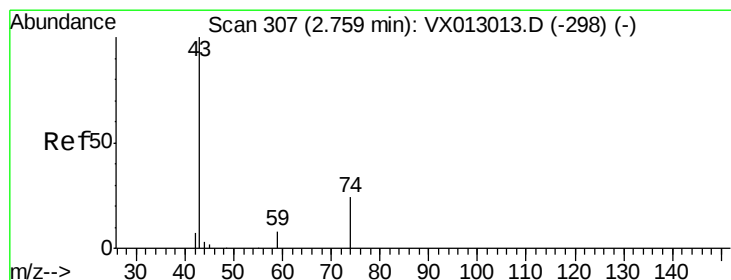
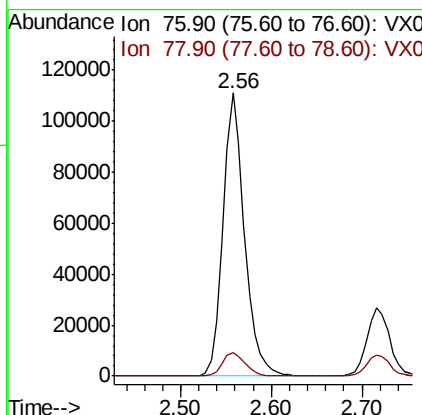
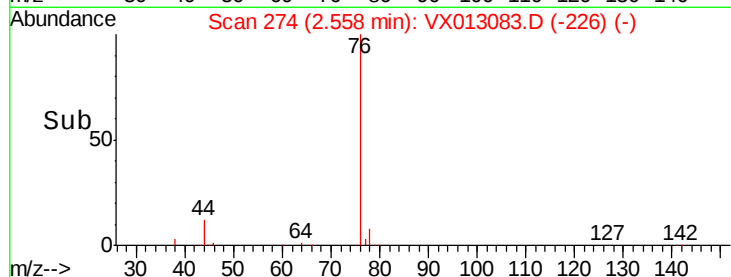
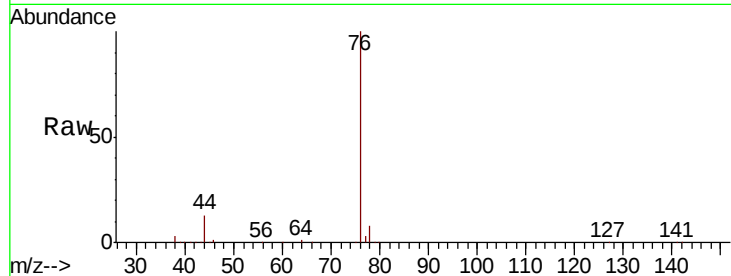




#17
Carbon Disulfide
Concen: 40.881 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

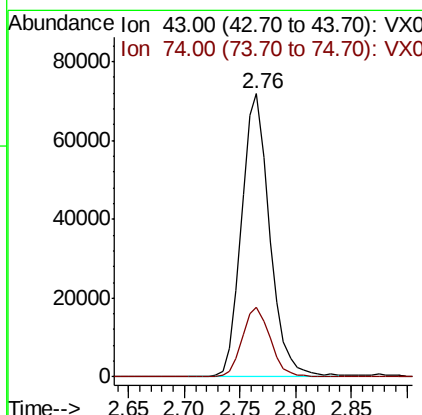
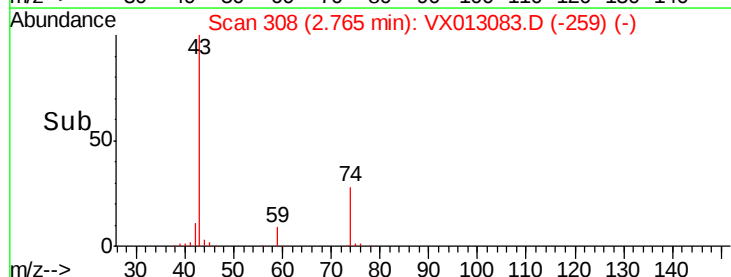
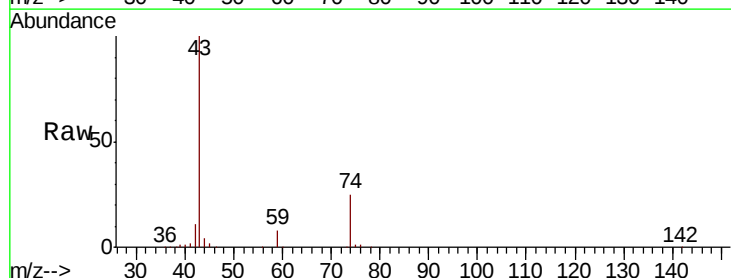
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

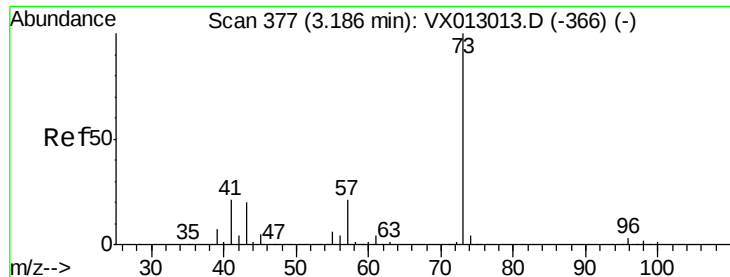
Tot Ion: 76 Resp: 183017
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 52.127 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 43 Resp: 126464
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8

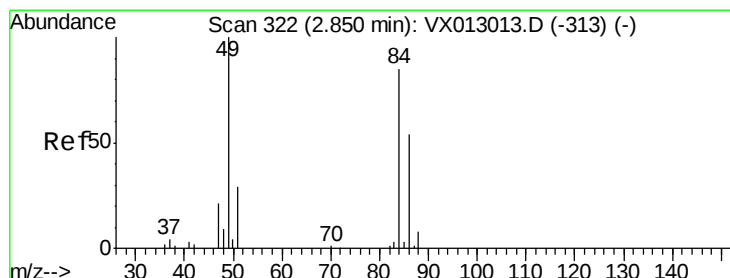
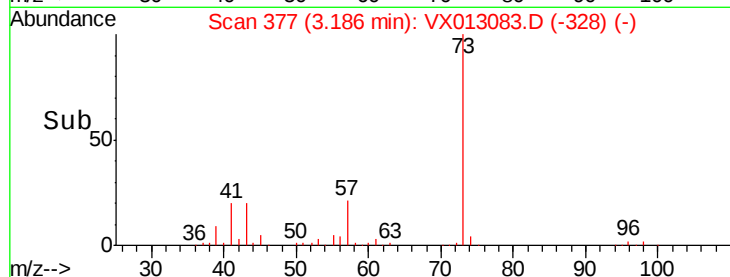
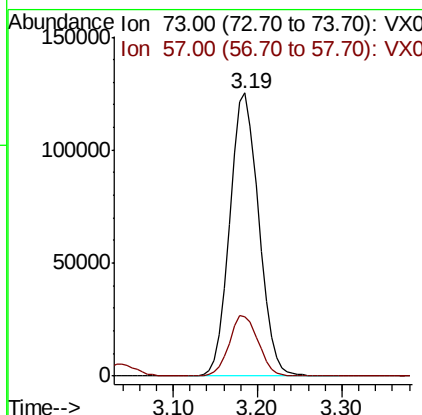
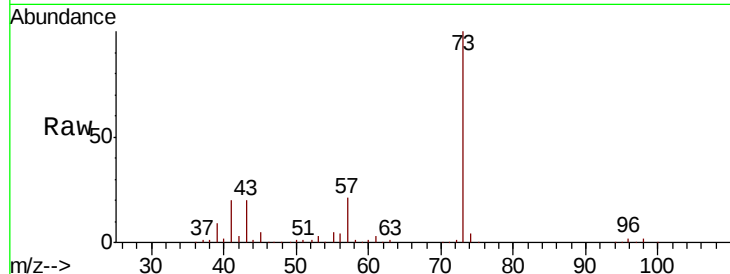




#19
Methyl tert-butyl Ether
Concen: 53.888 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

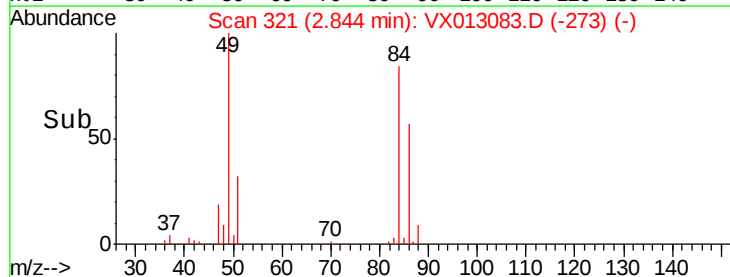
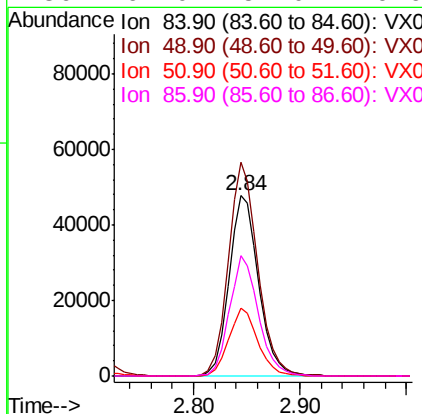
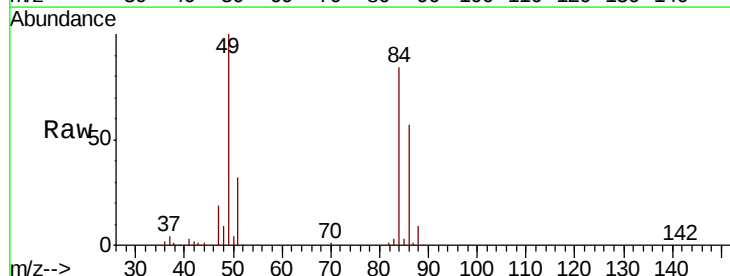
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

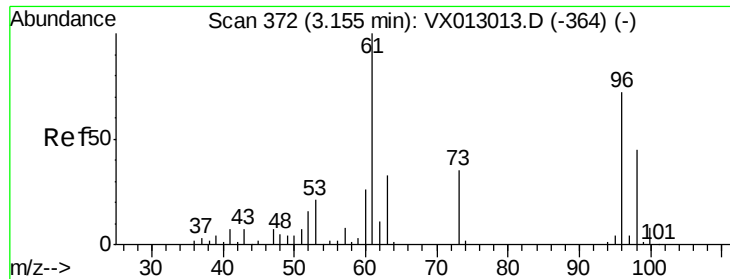
Tot Ion: 73 Resp: 292174
Ion Ratio Lower Upper
73 100
57 21.1 17.8 26.6



#20
Methylene Chloride
Concen: 49.223 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 84 Resp: 92593
Ion Ratio Lower Upper
84 100
49 118.4 96.6 144.8
51 37.7 30.7 46.1
86 67.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.195 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

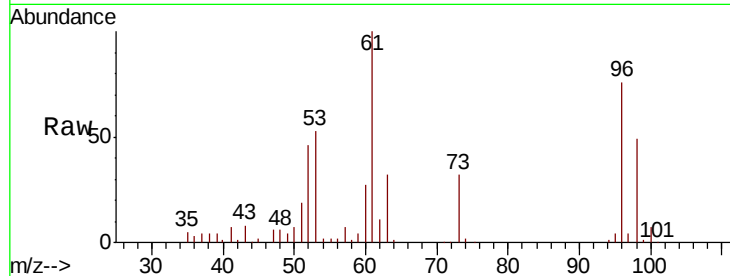
Tot Ion: 96 Resp: 84467

Ion Ratio Lower Upper

96 100

61 131.8 110.4 165.6

98 64.2 51.5 77.3

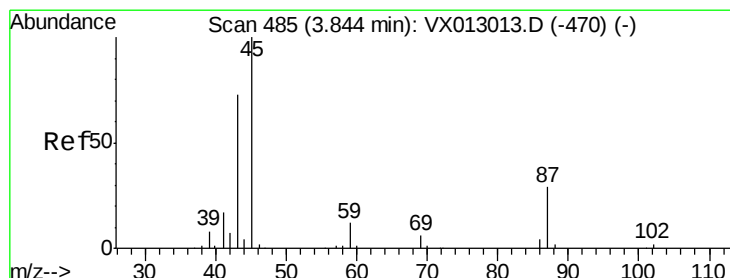
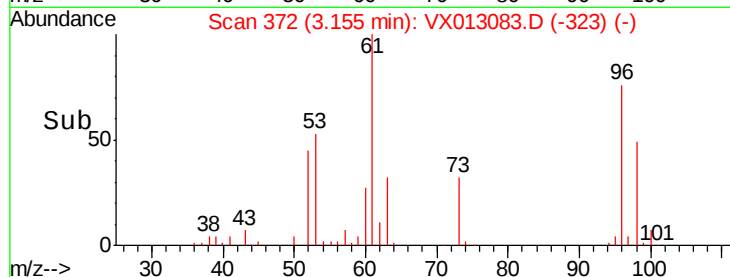
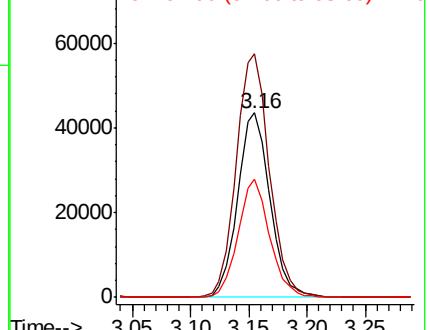


Abundance

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: 52.880 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Tgt Ion: 45 Resp: 283315

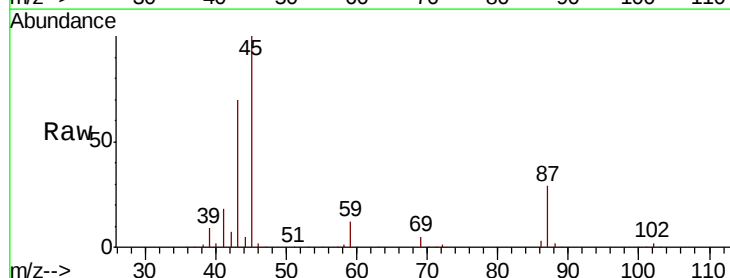
Ion Ratio Lower Upper

45 100

43 69.7 51.4 77.0

87 28.7 22.5 33.7

59 11.9 9.7 14.5



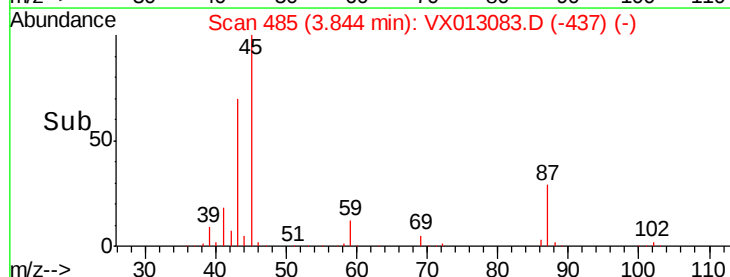
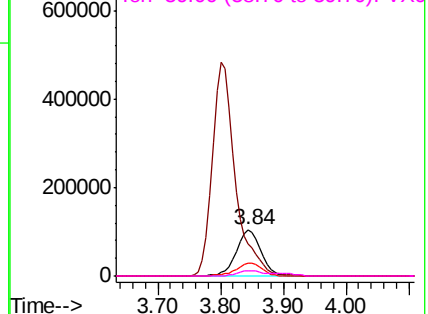
Abundance

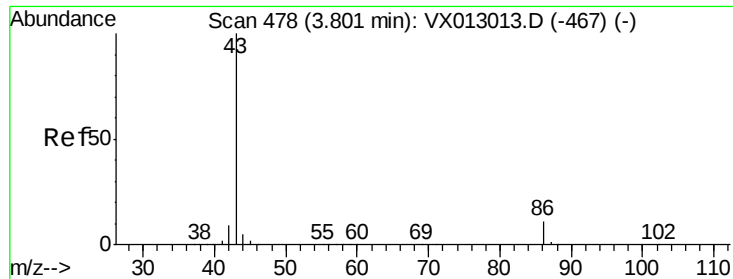
Ion 45.00 (44.70 to 45.70): VX0

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: 265.344 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

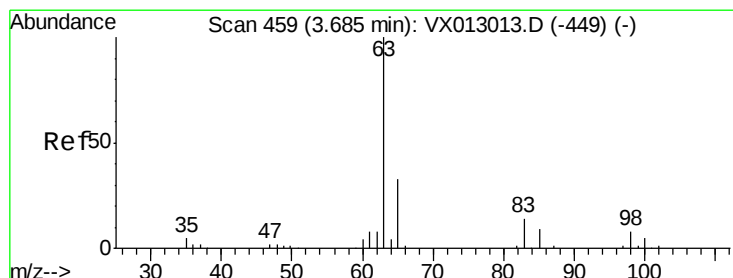
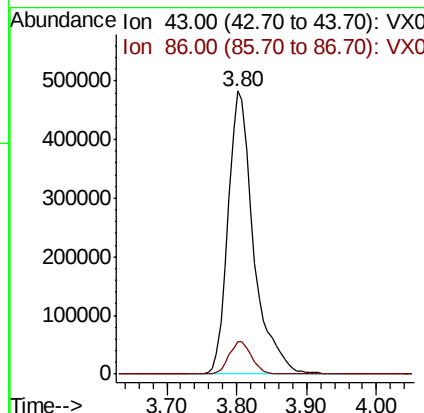
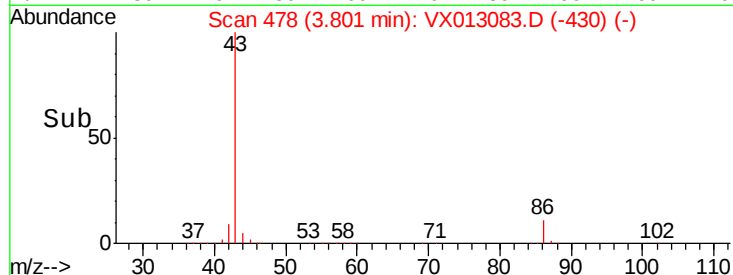
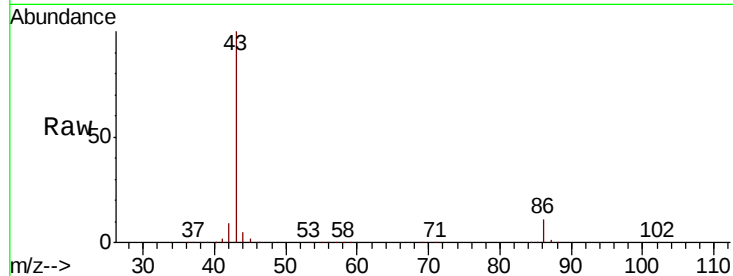
VSTDCCC050EC

Tot Ion: 43 Resp: 1227251

Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.6



#24

1,1-Dichloroethane

Concen: 51.864 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

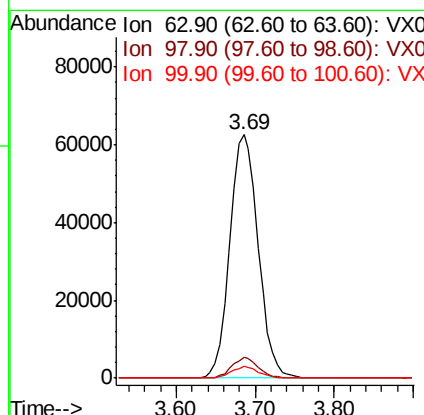
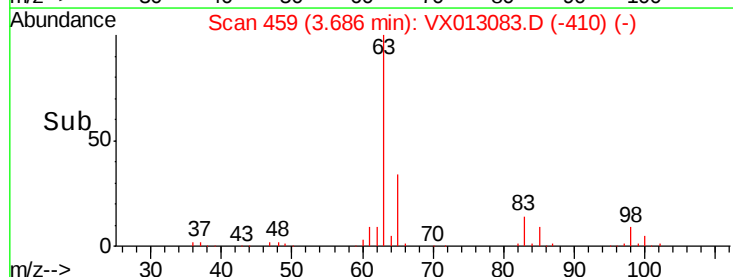
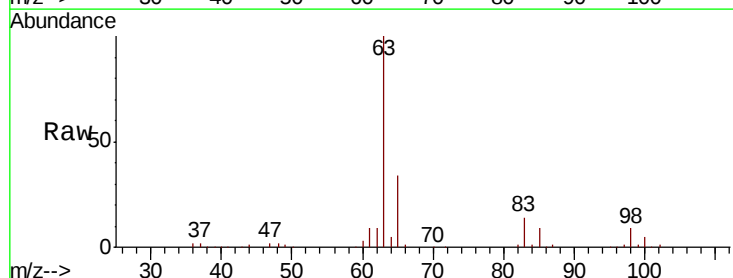
Tgt Ion: 63 Resp: 156324

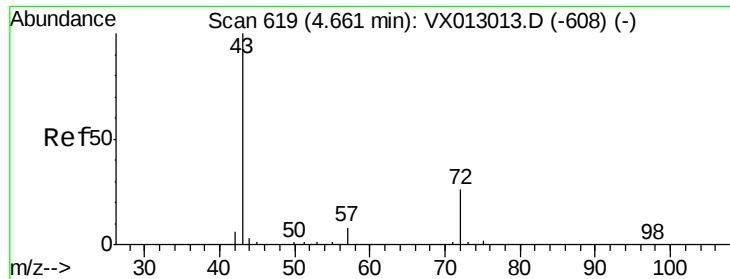
Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 5.0 2.3 6.9





#25

2-Butanone

Concen: 258.761 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

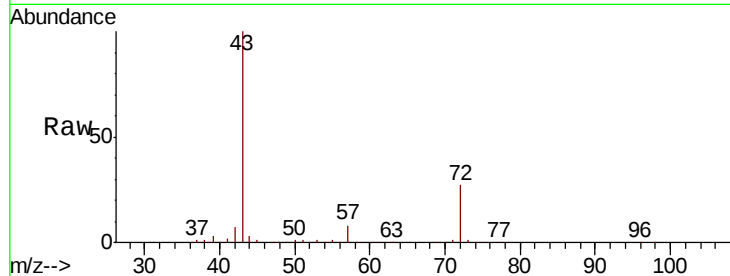
VSTDCCC050EC

Tot Ion: 43 Resp: 367449

Ion Ratio Lower Upper

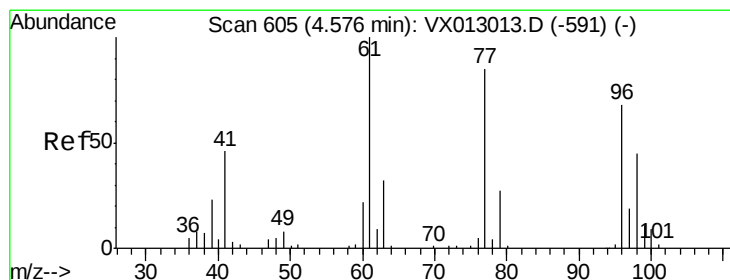
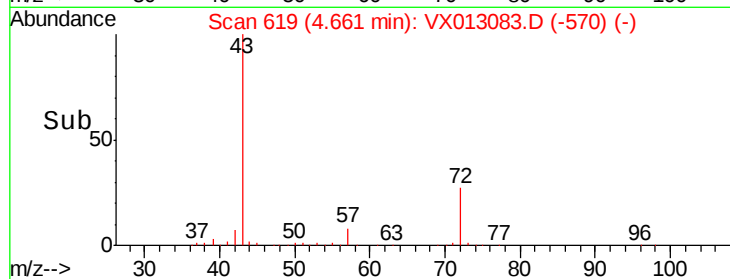
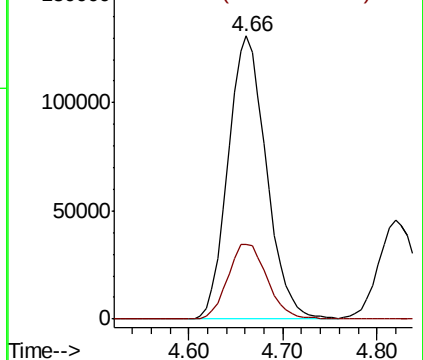
43 100

72 26.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 51.412 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX013083.D

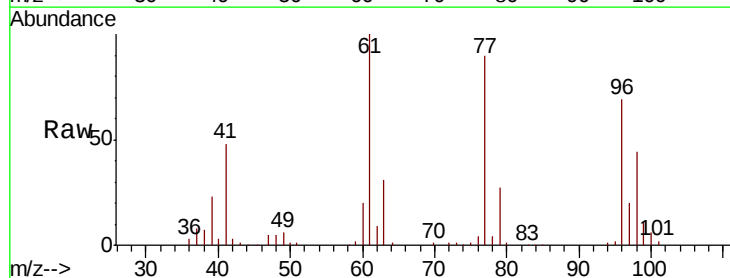
Acq: 15 Oct 2019 17:13

Tgt Ion: 77 Resp: 130309

Ion Ratio Lower Upper

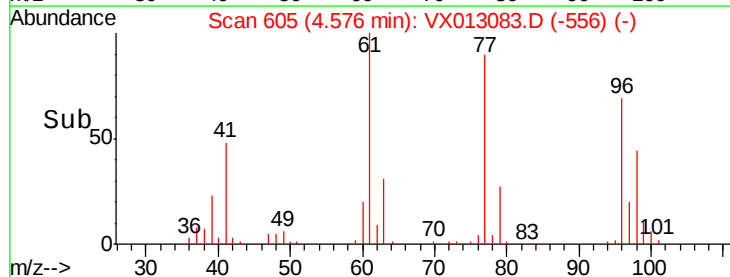
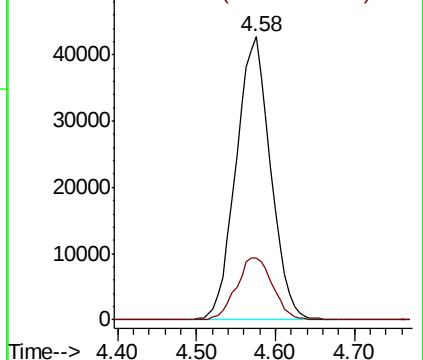
77 100

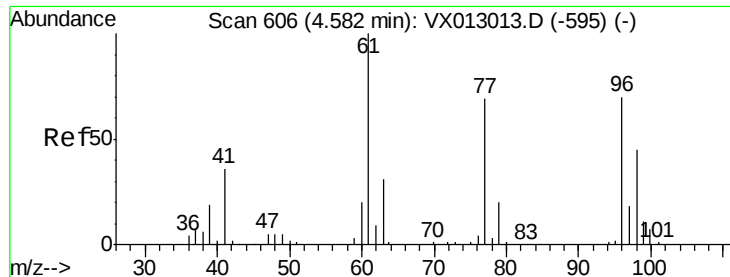
97 23.1 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



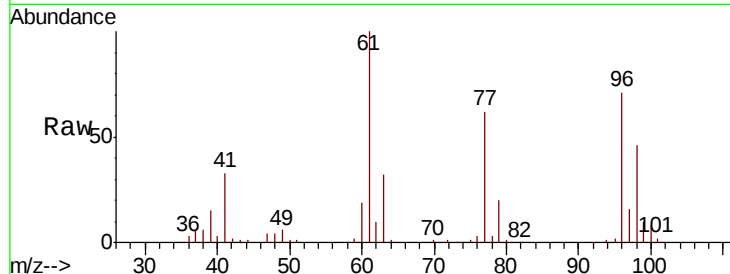


#27

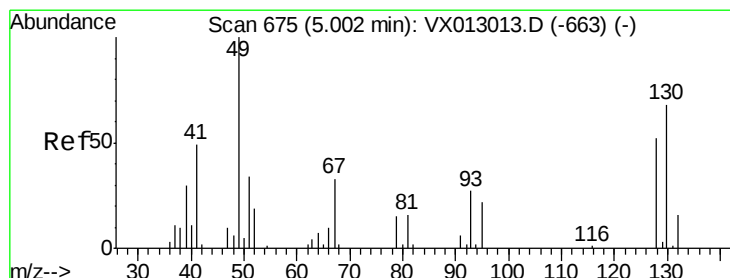
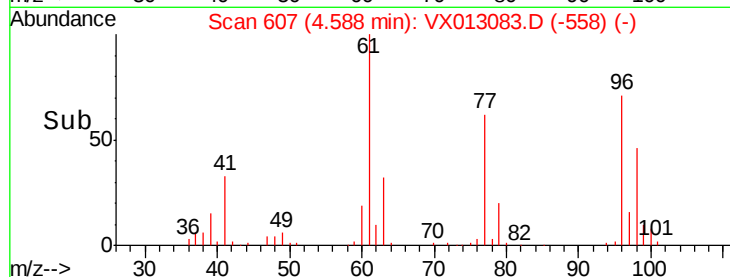
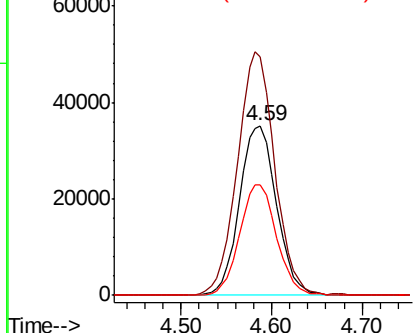
cis-1,2-Dichloroethene
Concen: 51.323 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 99553
Ion Ratio Lower Upper
96 100
61 144.7 0.0 290.6
98 65.0 0.0 128.8



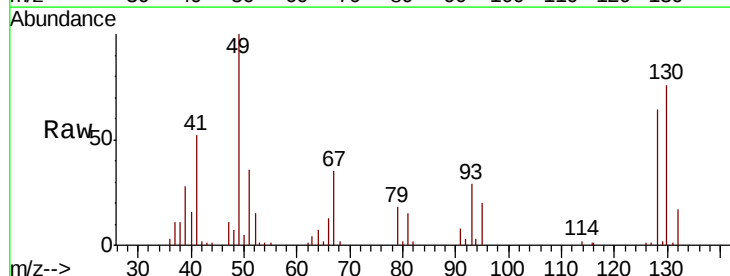
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



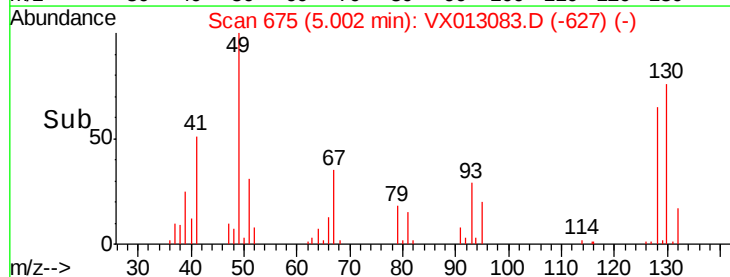
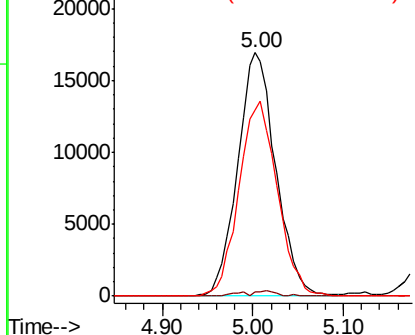
#28

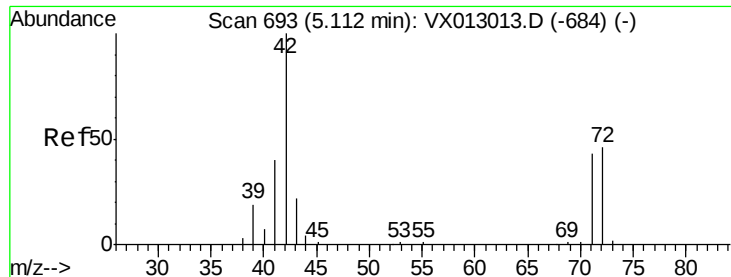
Bromochloromethane
Concen: 54.665 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 49 Resp: 49203
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.2
130 80.7 62.1 93.1



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

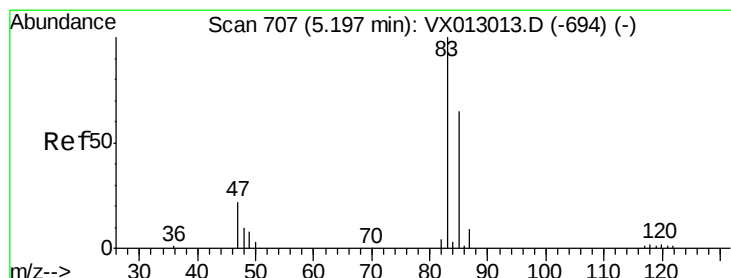
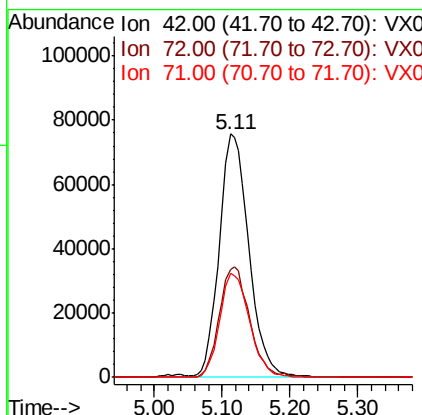
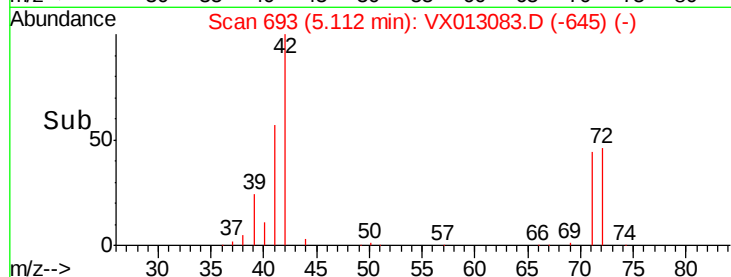
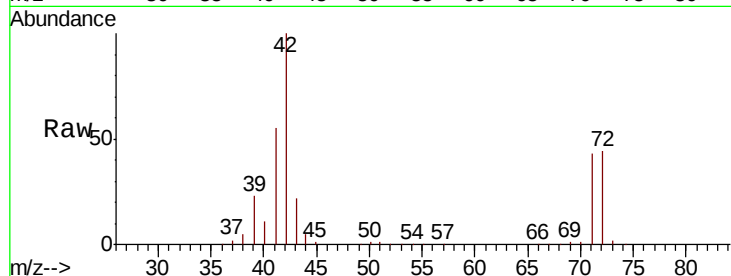




#29
Tetrahydrofuran
Concen: 260.113 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

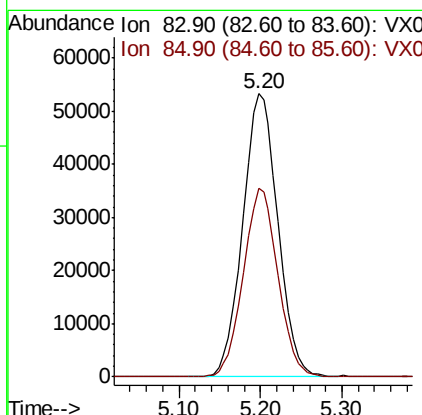
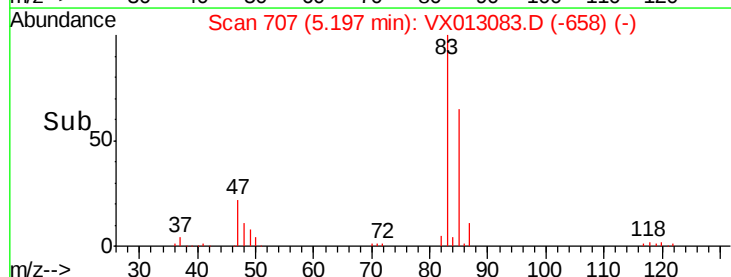
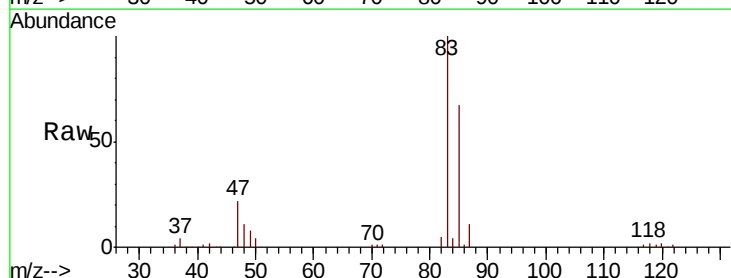
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

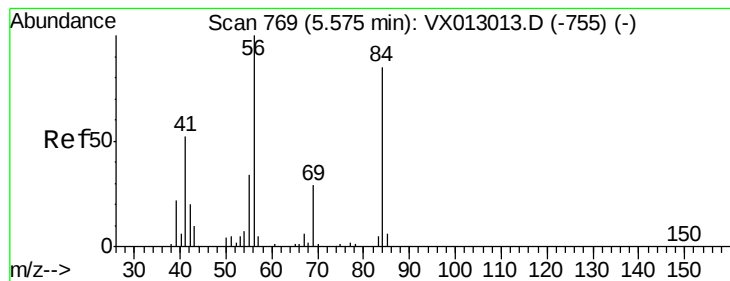
Tot Ion: 42 Resp: 227297
Ion Ratio Lower Upper
42 100
72 46.9 36.9 55.3
71 43.4 33.5 50.3



#30
Chloroform
Concen: 51.593 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 83 Resp: 159561
Ion Ratio Lower Upper
83 100
85 66.7 51.5 77.3





#31

Cyclohexane

Concen: 44.024 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

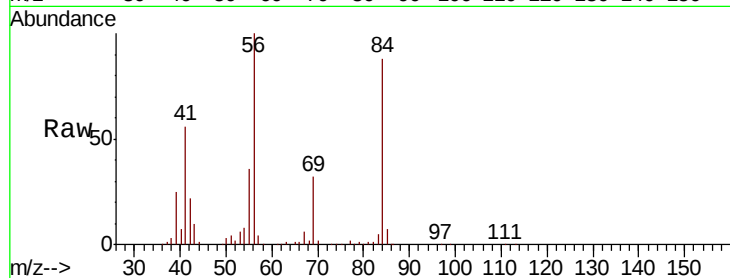
Tot Ion: 56 Resp: 124078

Ion Ratio Lower Upper

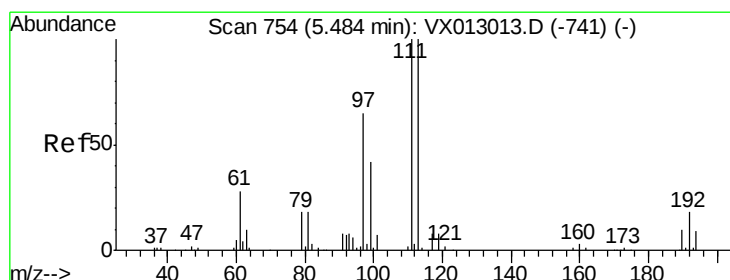
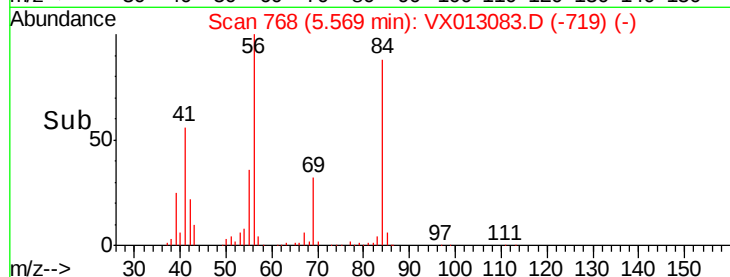
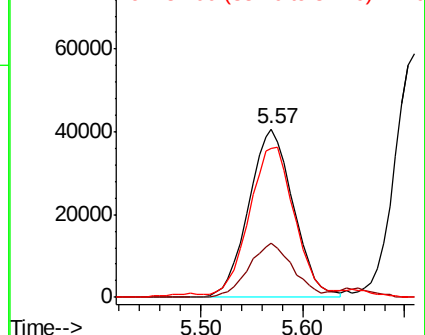
56 100

69 32.2 25.2 37.8

84 85.8 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.655 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

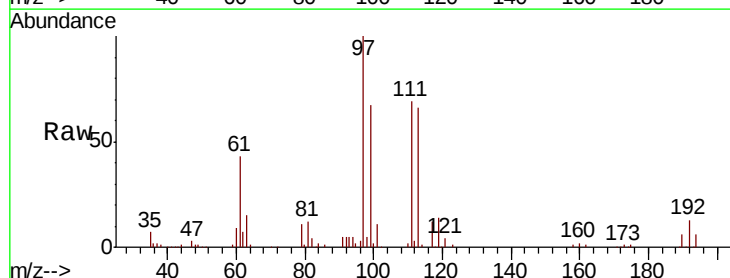
Tgt Ion: 97 Resp: 135361

Ion Ratio Lower Upper

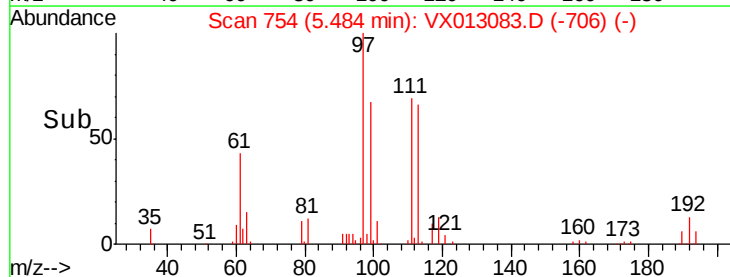
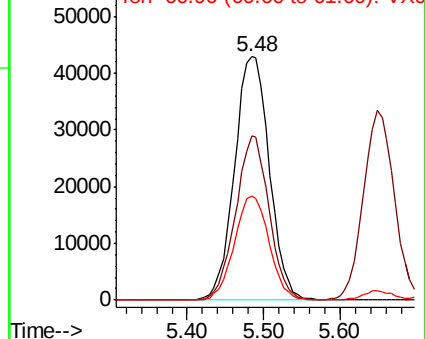
97 100

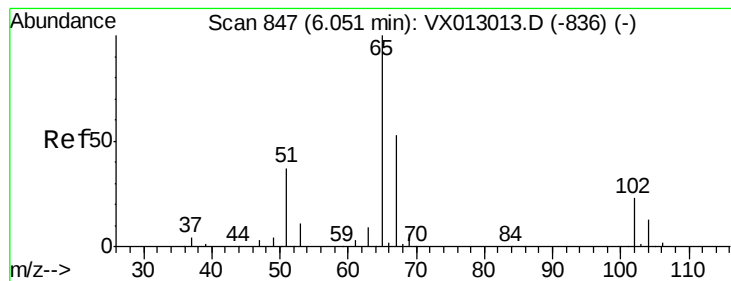
99 64.7 52.3 78.5

61 42.9 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.346 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

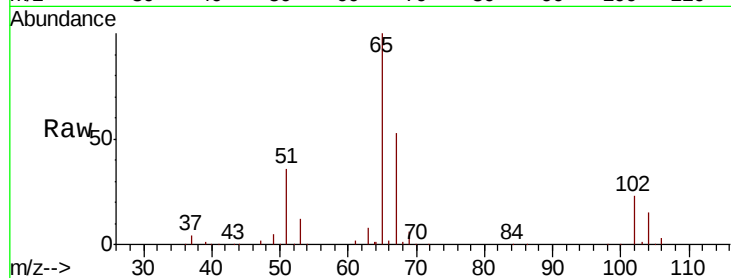
VSTDCCC050EC

Tot Ion: 65 Resp: 101649

Ion Ratio Lower Upper

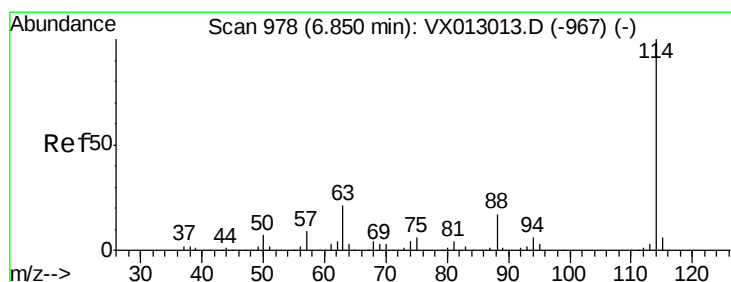
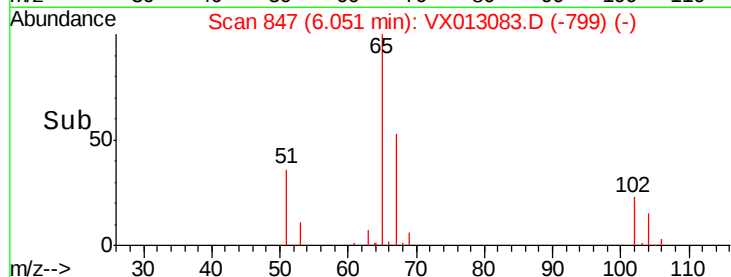
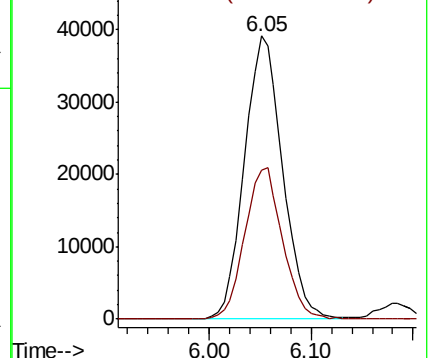
65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

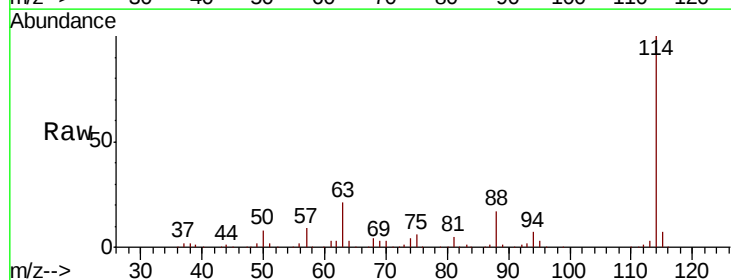
Tgt Ion: 114 Resp: 260529

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

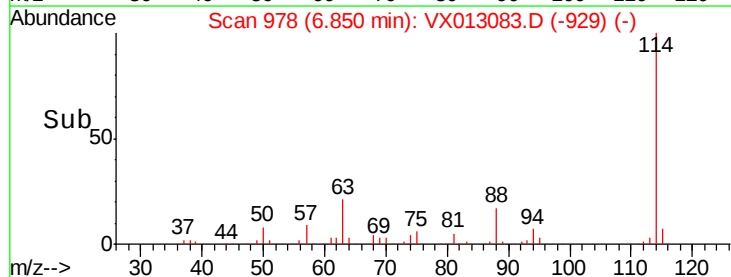
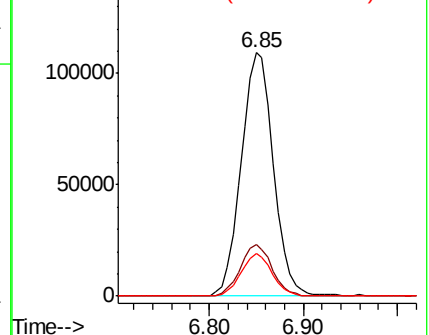
88 17.4 0.0 33.8

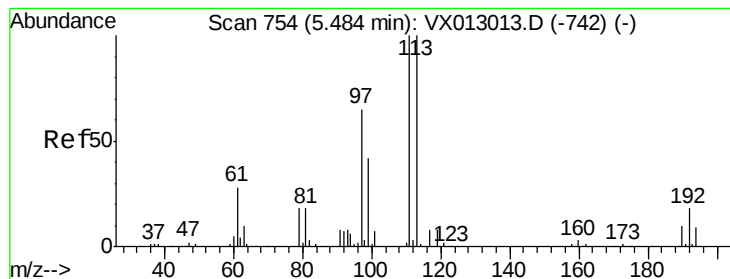


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 55.390 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

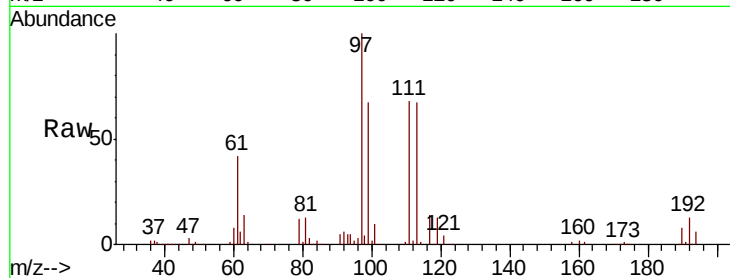
Tot Ion:113 Resp: 82824

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

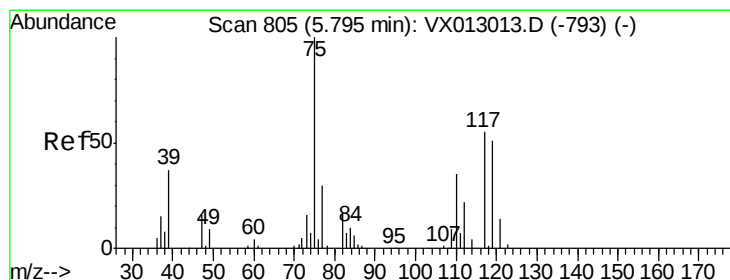
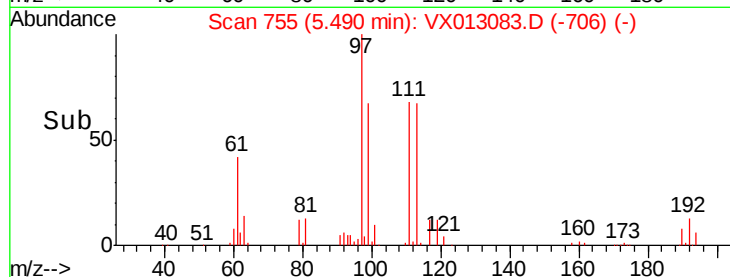
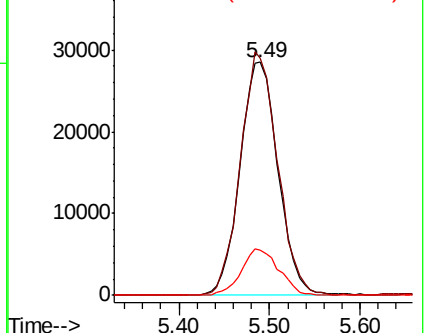
192 19.7 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.674 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

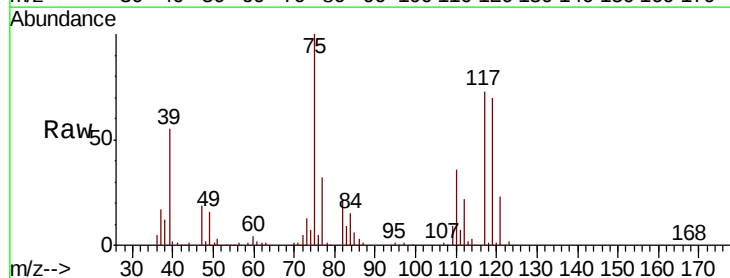
Tgt Ion: 75 Resp: 111493

Ion Ratio Lower Upper

75 100

110 35.5 17.6 52.9

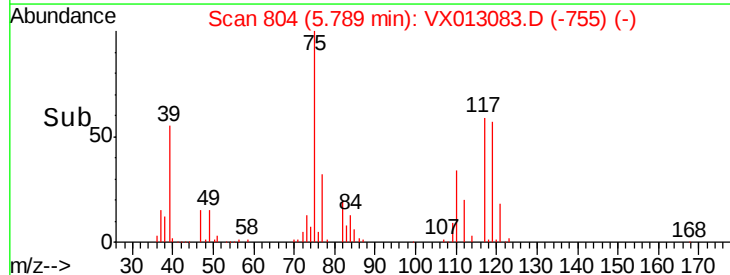
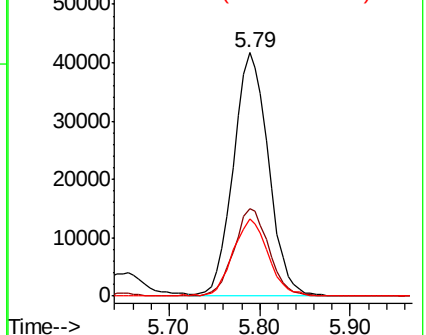
77 31.7 24.4 36.6

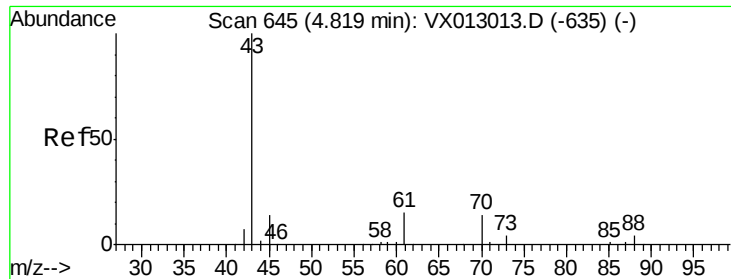


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

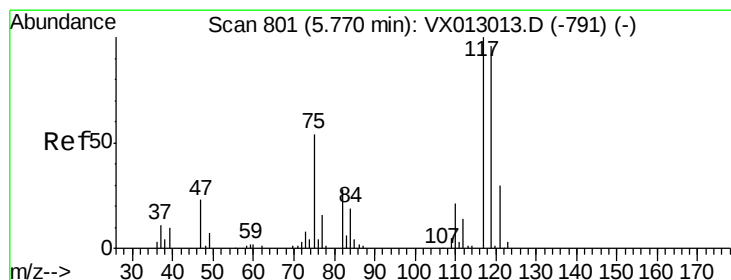
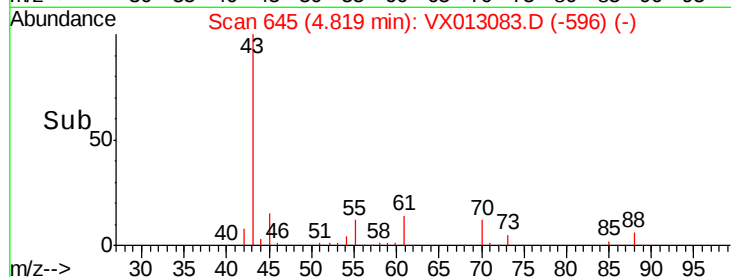
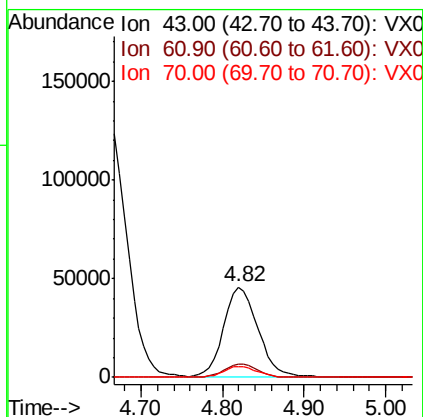
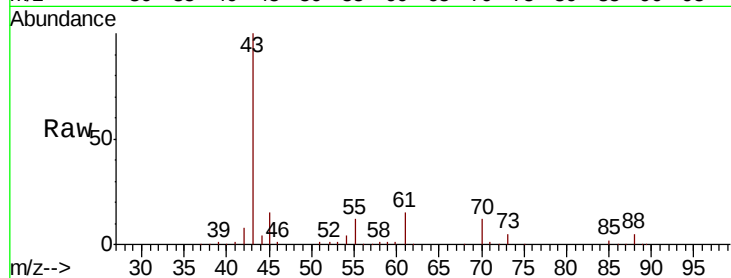




#37
Ethyl Acetate
Concen: 51.672 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

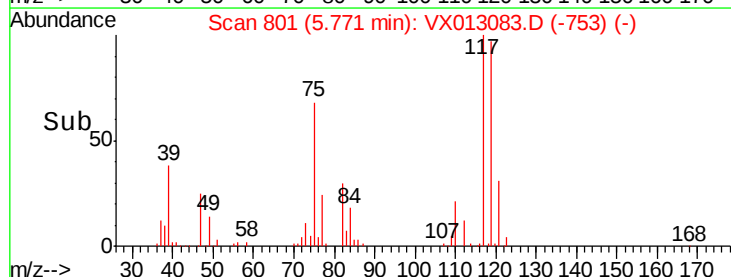
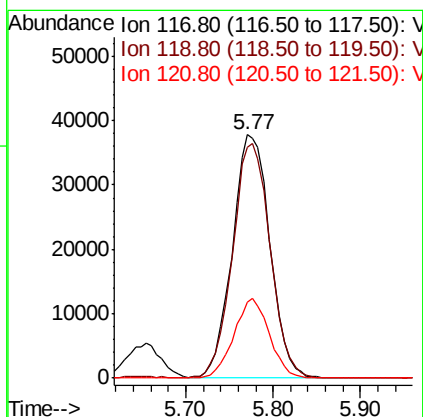
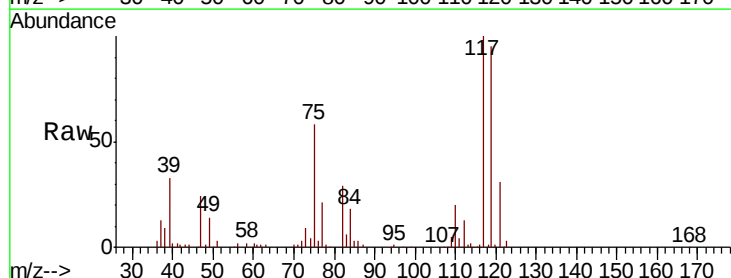
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

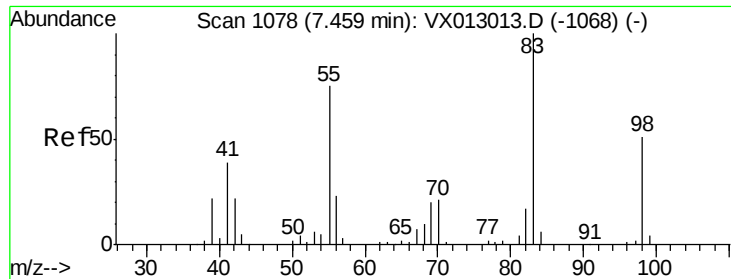
Tot Ion: 43 Resp: 132349
Ion Ratio Lower Upper
43 100
61 14.9 11.4 17.0
70 12.6 9.8 14.6



#38
Carbon Tetrachloride
Concen: 50.571 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 117 Resp: 112750
Ion Ratio Lower Upper
117 100
119 94.8 74.5 111.7
121 31.1 24.2 36.4

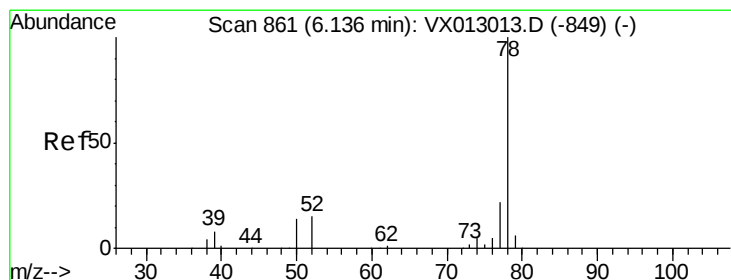
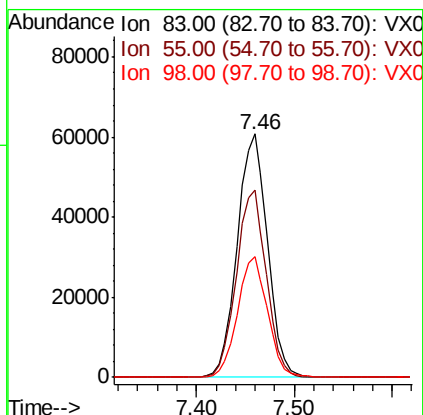
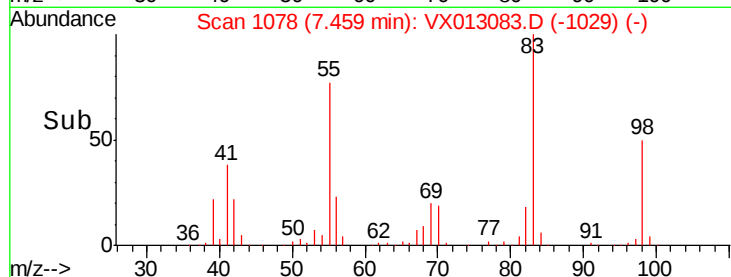
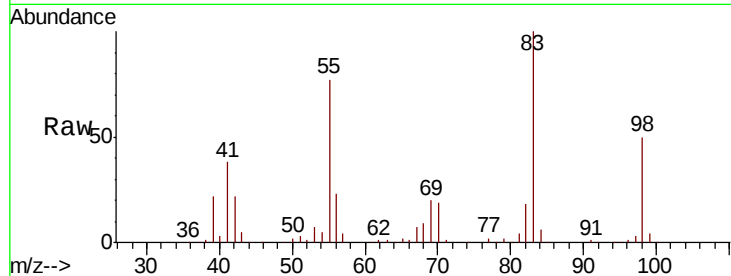




#39
Methvlcvclohexane
Concen: 46.881 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

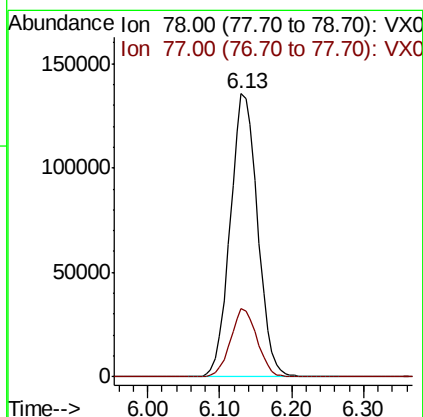
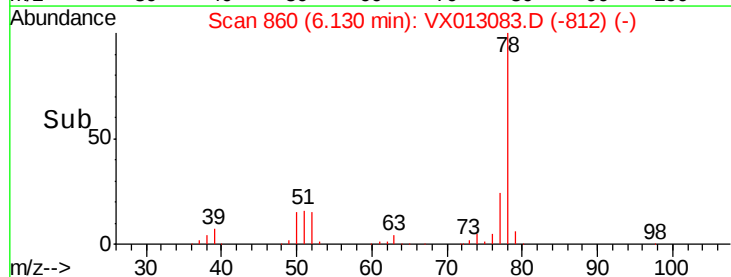
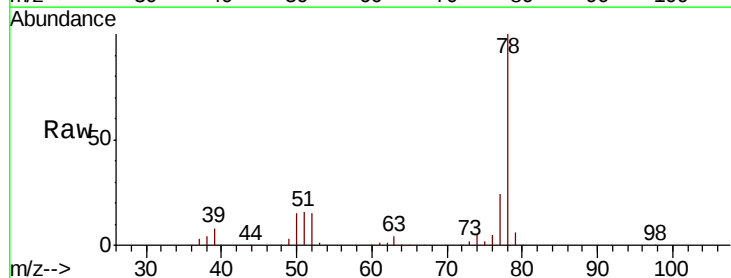
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

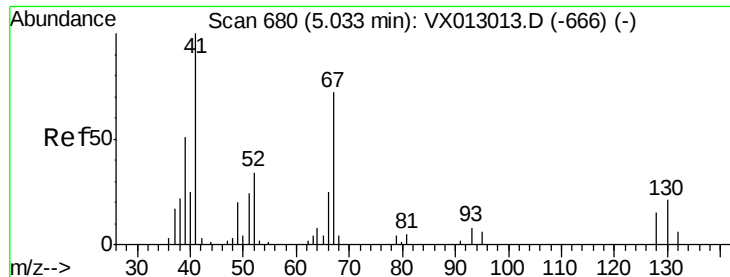
Tot Ion: 83 Resp: 130230
Ion Ratio Lower Upper
83 100
55 76.8 60.2 90.4
98 49.8 38.5 57.7



#40
Benzene
Concen: 52.879 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 78 Resp: 357738
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#41

Methacrylonitrile

Concen: 51.238 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 72113

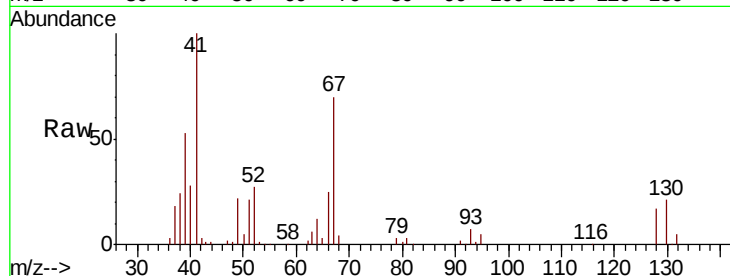
Ion Ratio Lower Upper

41 100

39 55.4 44.0 66.0

67 77.1 58.5 87.7

52 30.2 23.8 35.8

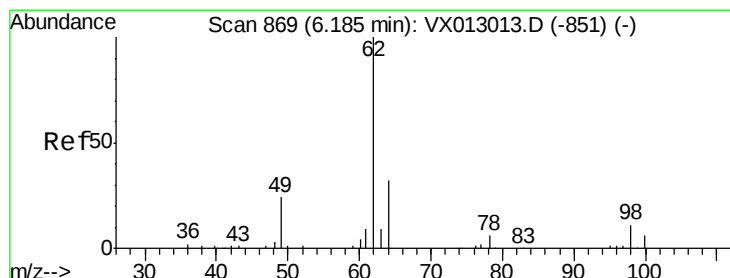
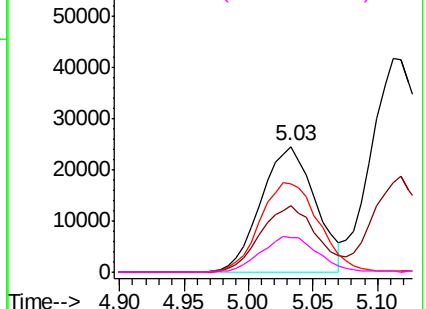
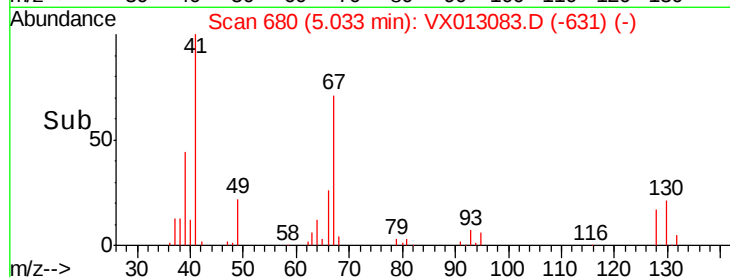


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 54.246 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX013083.D

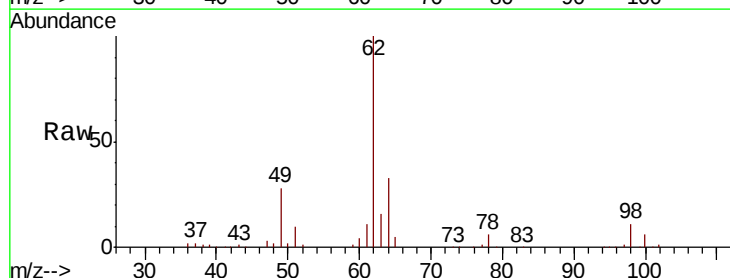
Acq: 15 Oct 2019 17:13

Tgt Ion: 62 Resp: 131687

Ion Ratio Lower Upper

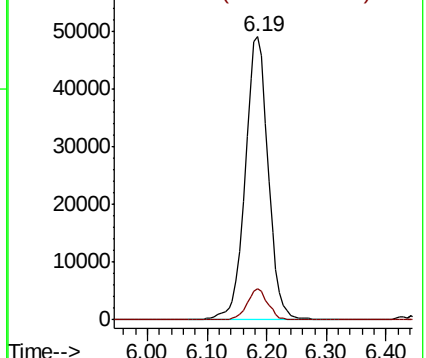
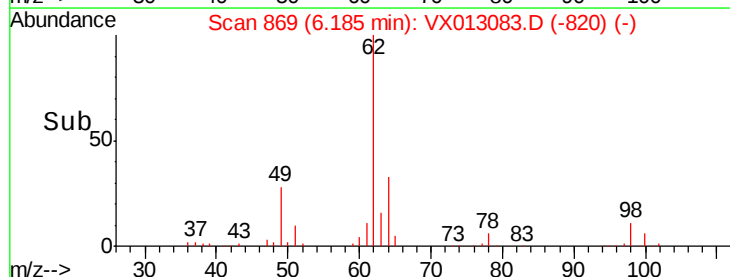
62 100

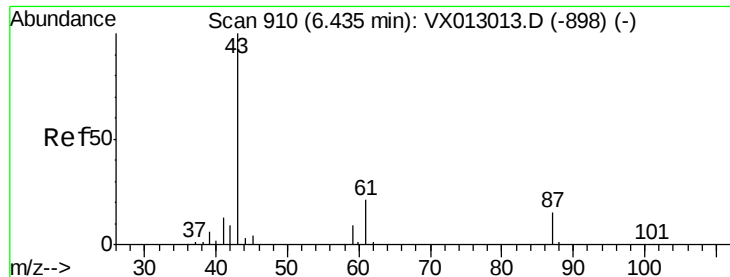
98 10.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.139 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

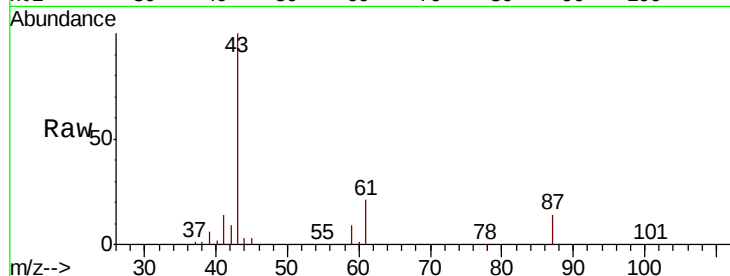
Tot Ion: 43 Resp: 214344

Ion Ratio Lower Upper

43 100

61 21.4 16.6 24.8

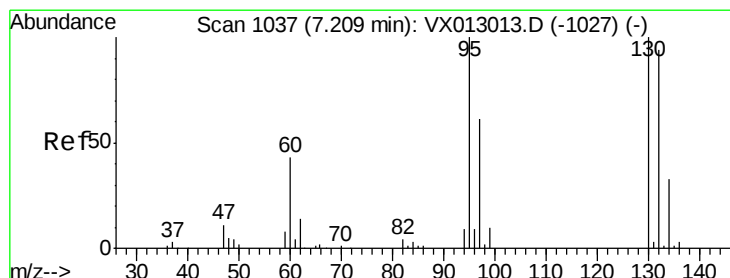
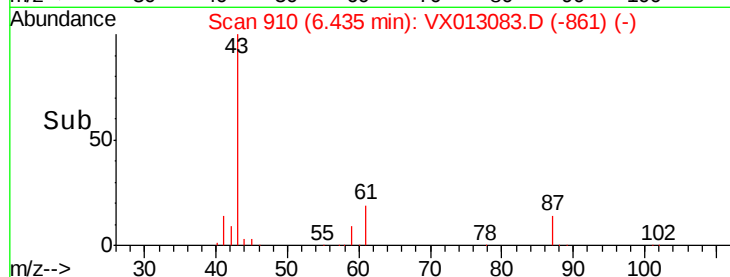
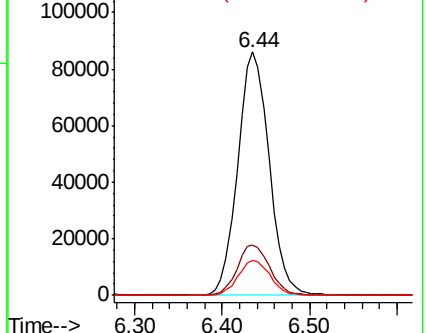
87 14.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 50.050 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013083.D

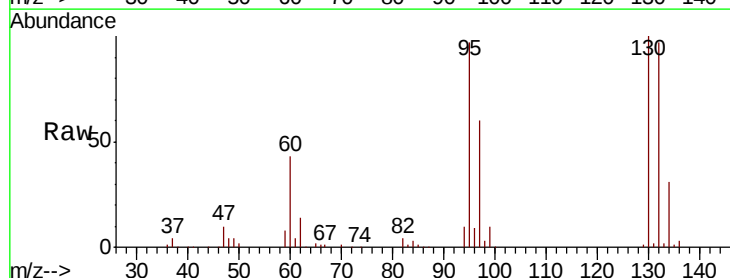
Acq: 15 Oct 2019 17:13

Tgt Ion:130 Resp: 93895

Ion Ratio Lower Upper

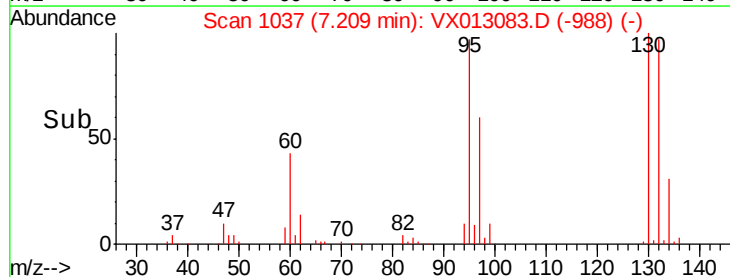
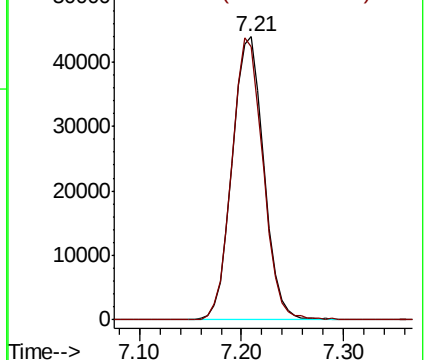
130 100

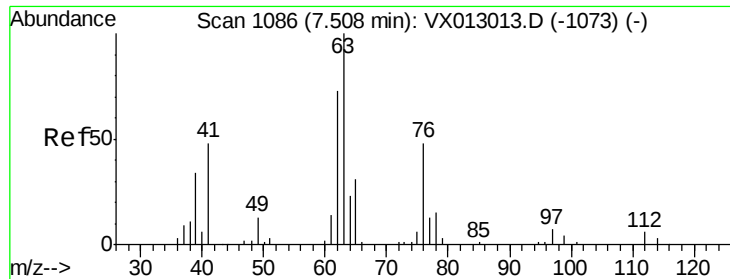
95 96.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

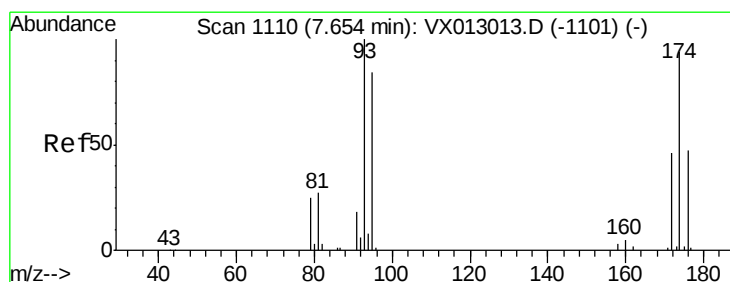
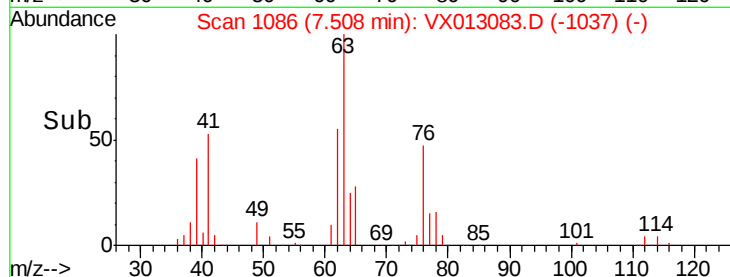
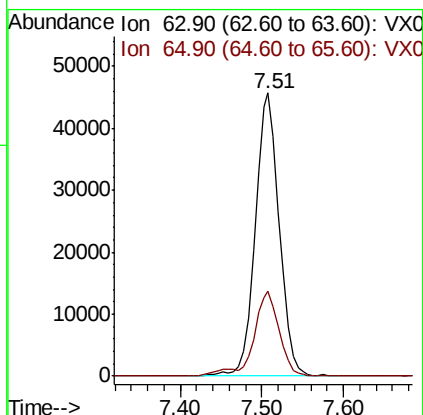
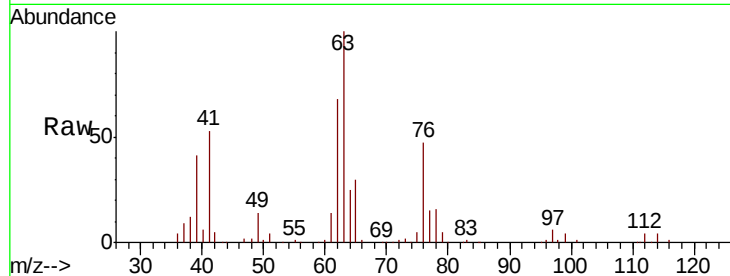




#45
1,2-Dichloropropane
Concen: 54.404 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

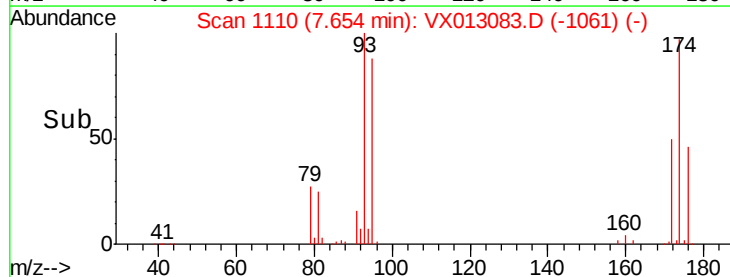
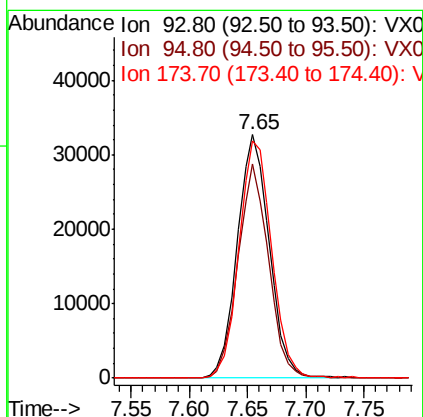
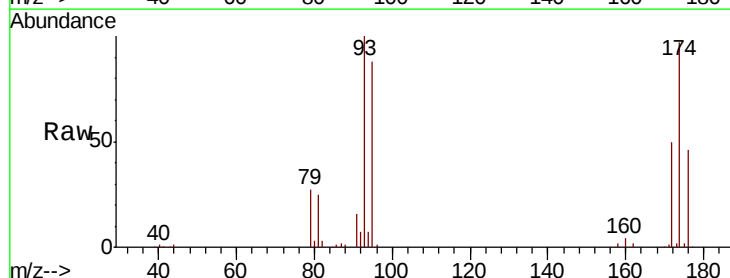
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

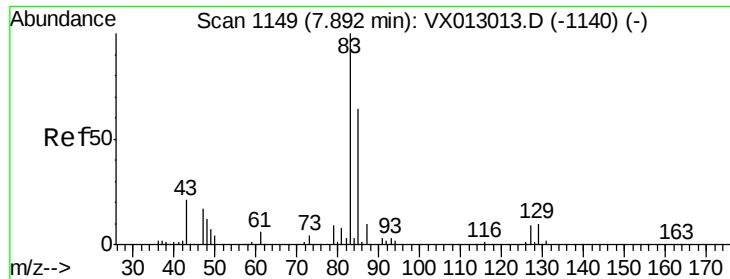
Tot Ion: 63 Resp: 93806
Ion Ratio Lower Upper
63 100
65 30.1 24.6 37.0



#46
Dibromomethane
Concen: 54.615 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 93 Resp: 62741
Ion Ratio Lower Upper
93 100
95 84.1 66.3 99.5
174 99.2 77.8 116.6





#47

Bromodichloromethane

Concen: 55.494 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

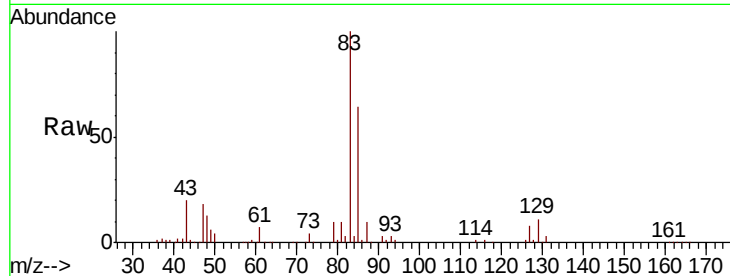
Tot Ion: 83 Resp: 124411

Ion Ratio Lower Upper

83 100

85 63.6 52.4 78.6

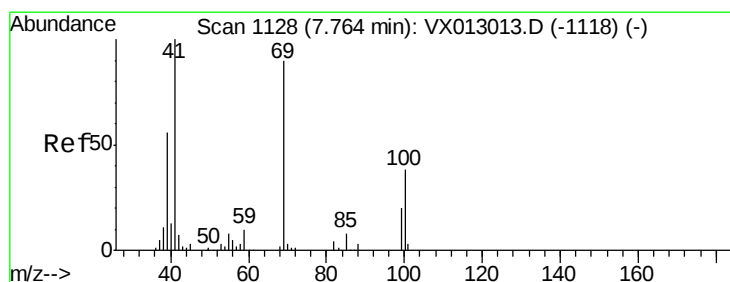
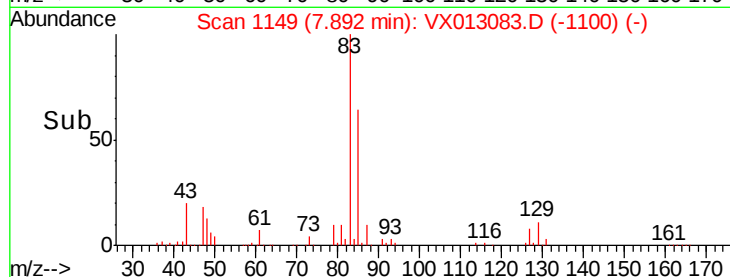
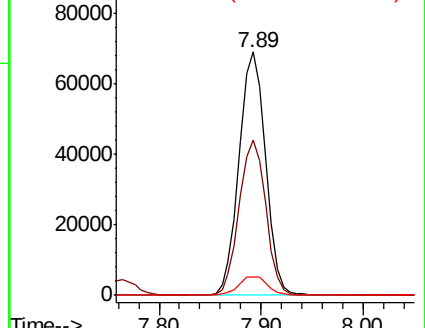
127 7.6 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.846 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

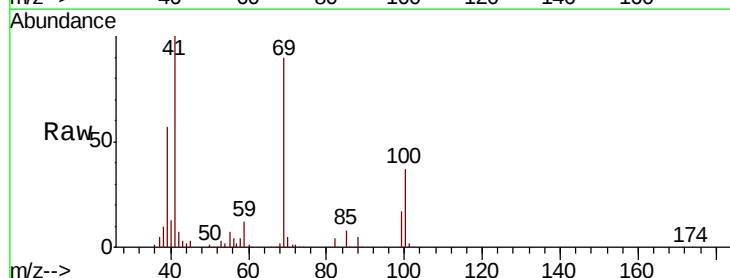
Tgt Ion: 41 Resp: 105868

Ion Ratio Lower Upper

41 100

69 86.6 68.7 103.1

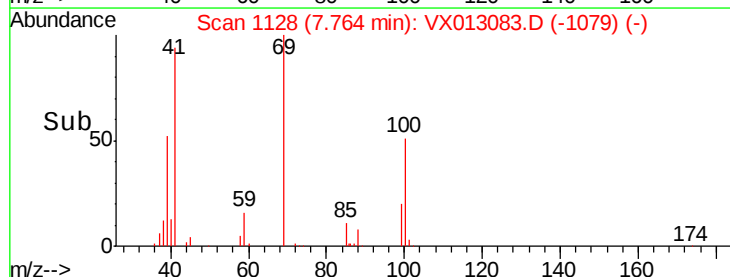
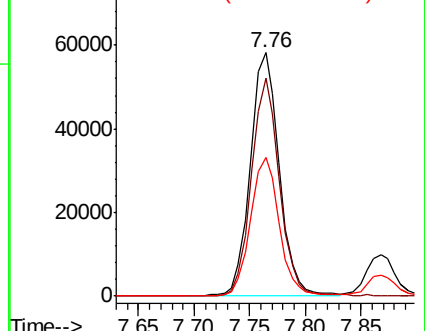
39 56.8 44.3 66.5

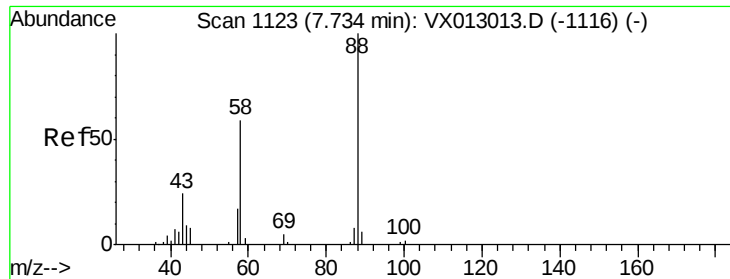


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

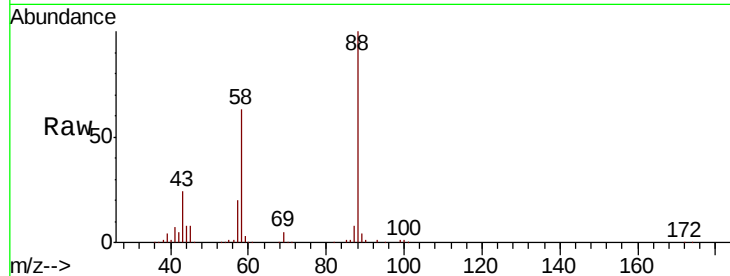




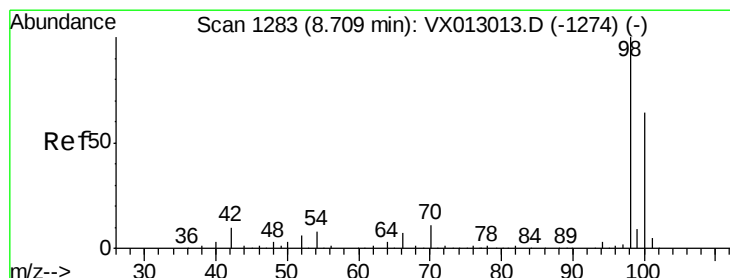
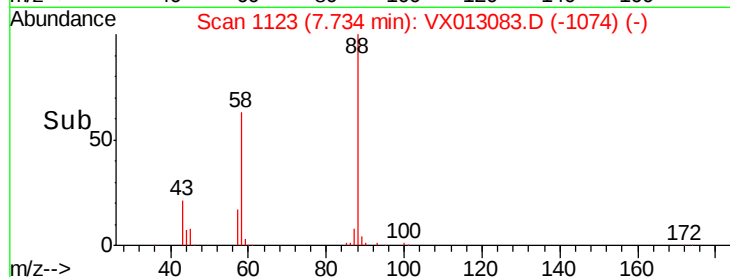
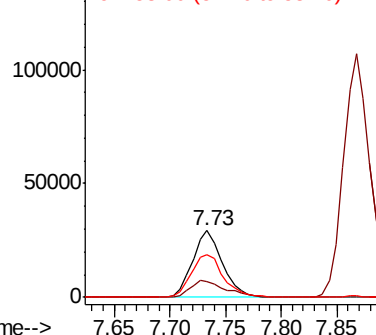
#49
1,4-Dioxane
Concen: 1016.162 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 54661
Ion Ratio Lower Upper
88 100
43 30.4 25.0 37.6
58 68.7 55.4 83.2

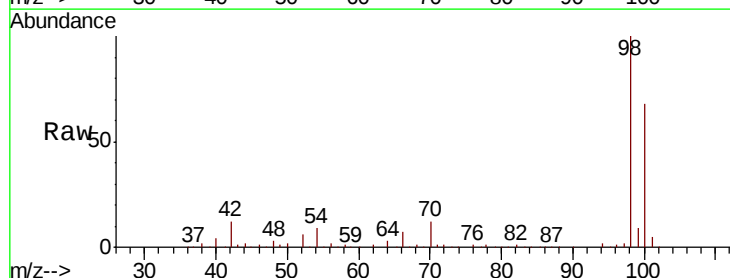


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

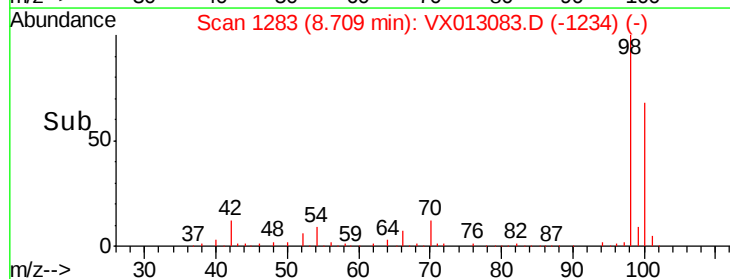
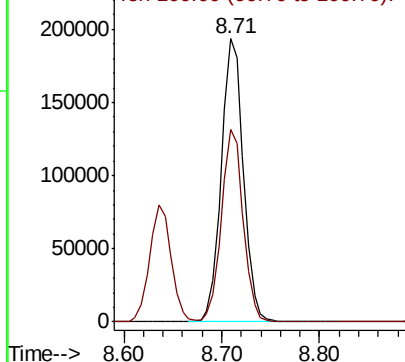


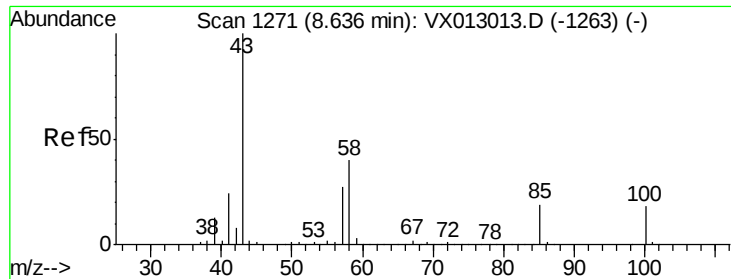
#50
Toluene-d8
Concen: 51.910 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 98 Resp: 302740
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 268.574 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

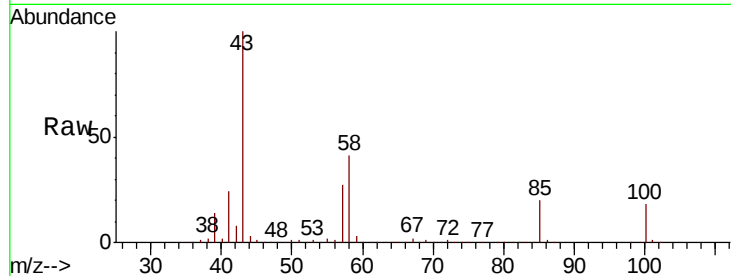
VSTDCCC050EC

Tot Ion: 43 Resp: 688384

Ion Ratio Lower Upper

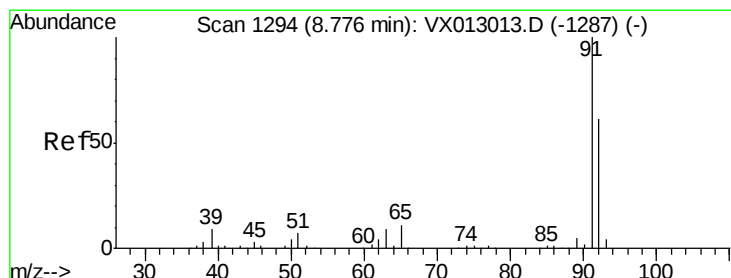
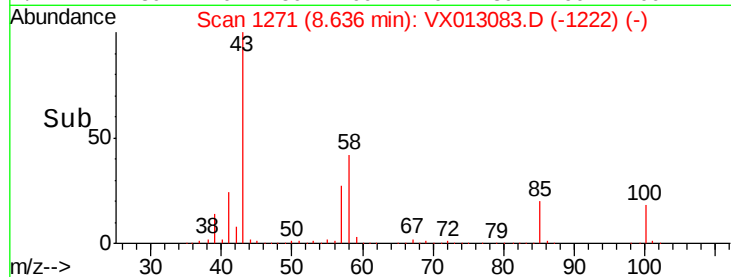
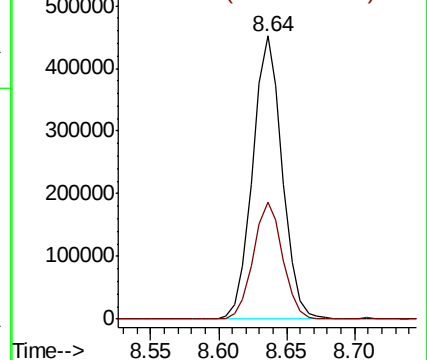
43 100

58 41.4 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.772 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013083.D

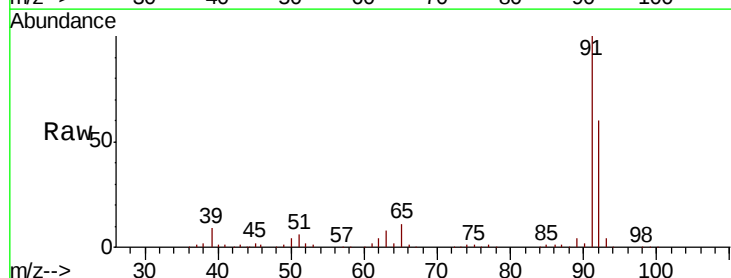
Acq: 15 Oct 2019 17:13

Tgt Ion: 92 Resp: 228406

Ion Ratio Lower Upper

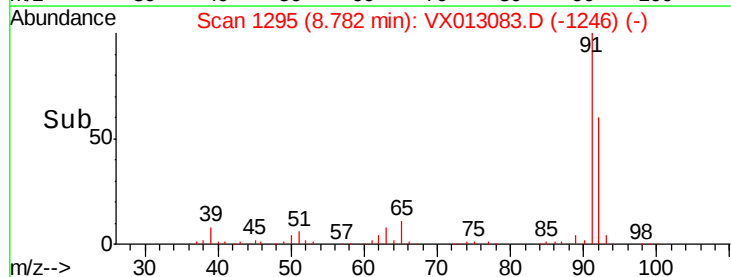
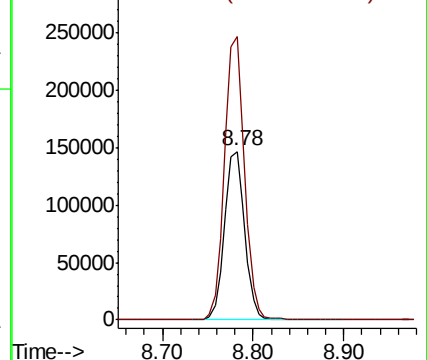
92 100

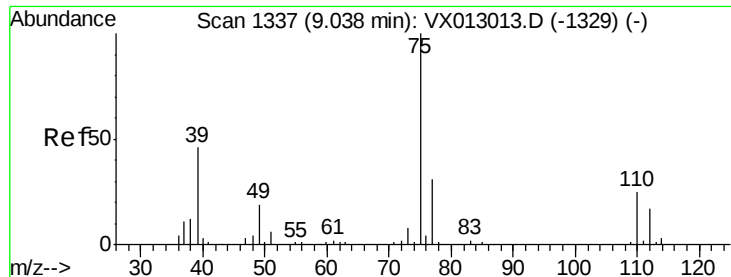
91 167.3 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

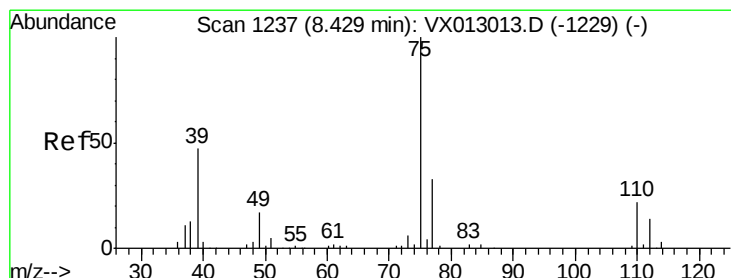
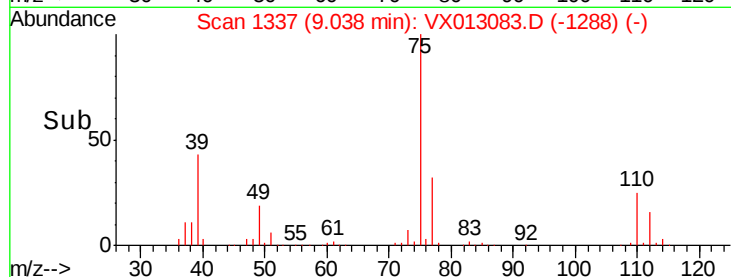
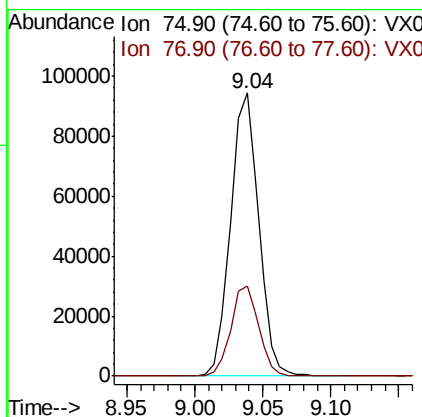
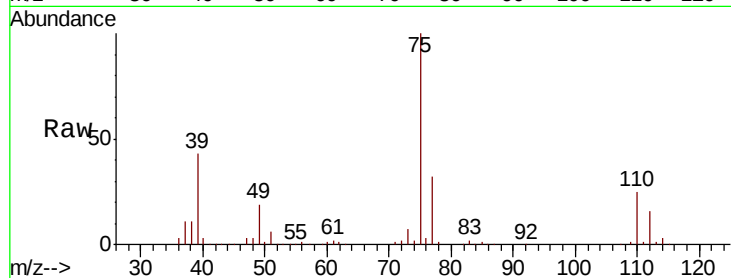




#53
 t-1,3-Dichloropropene
 Concen: 48.591 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

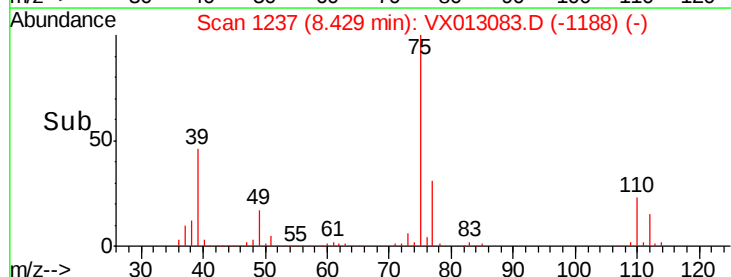
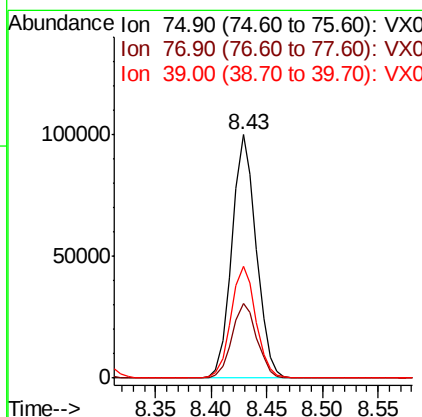
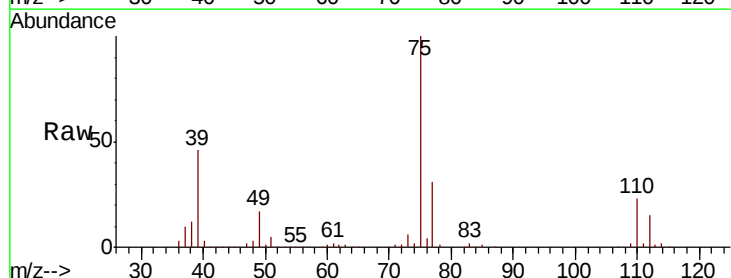
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

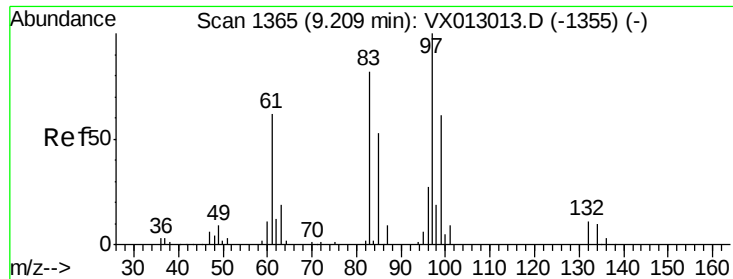
Tot Ion: 75 Resp: 135769
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 54.920 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 75 Resp: 151433
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.8
 39 45.7 38.2 57.2

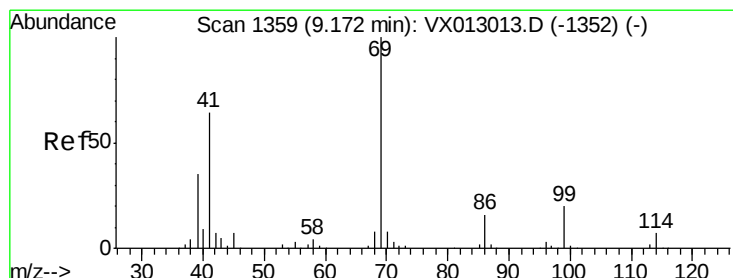
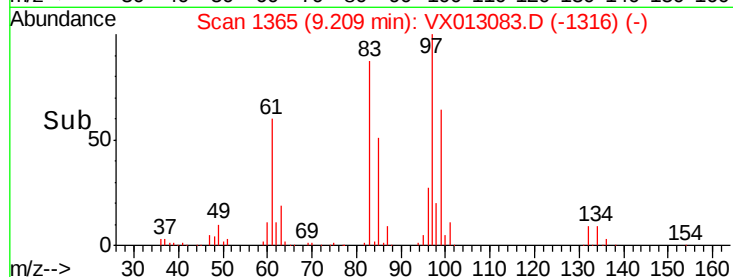
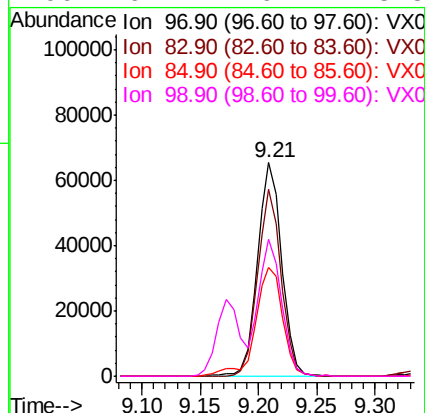
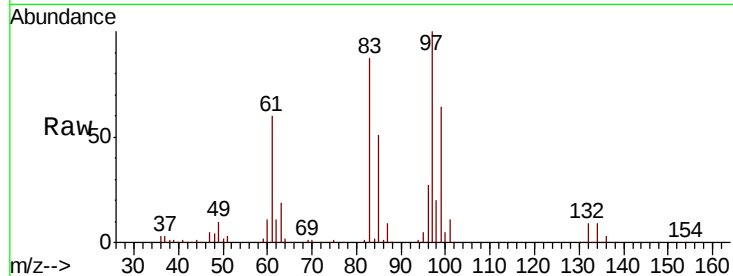




#55
 1,1,2-Trichloroethane
 Concen: 55.423 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

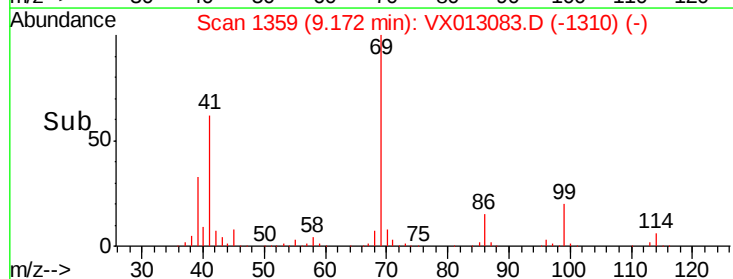
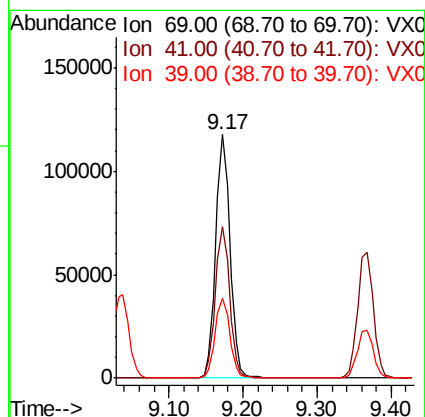
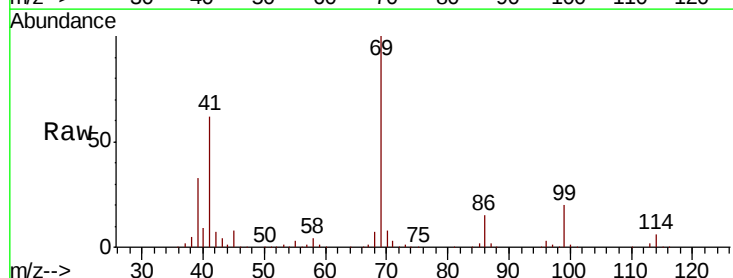
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

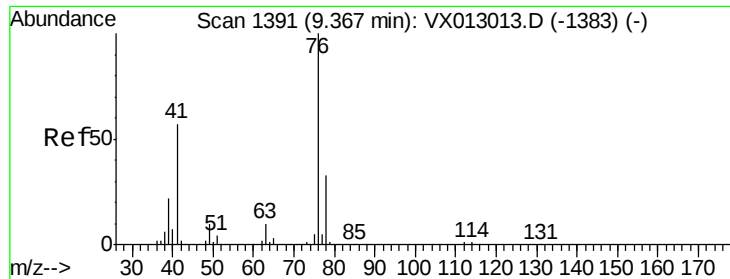
Tot Ion:	97	Resp:	94930
Ion	Ratio	Lower	Upper
97	100		
83	87.2	66.5	99.7
85	51.0	43.1	64.7
99	64.1	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 50.658 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion:	69	Resp:	155451
Ion	Ratio	Lower	Upper
69	100		
41	62.3	52.1	78.1
39	34.0	27.8	41.8





#57

1,3-Dichloropropane

Concen: 54.103 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

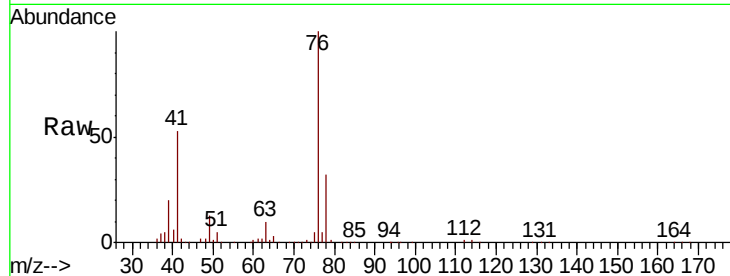
VSTDCCC050EC

Tot Ion: 76 Resp: 160301

Ion Ratio Lower Upper

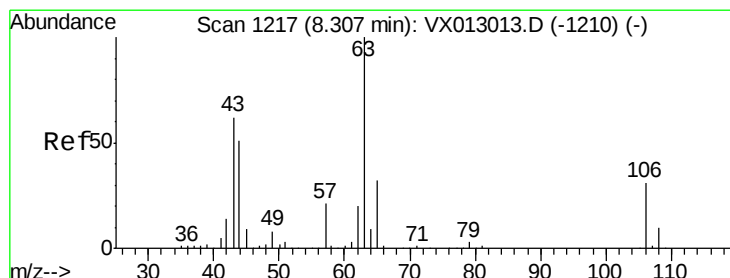
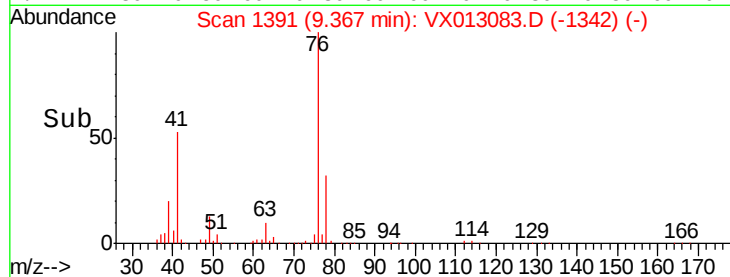
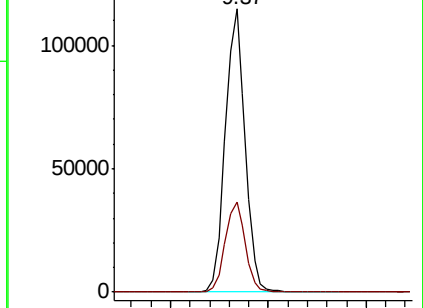
76 100

78 32.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 279.395 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013083.D

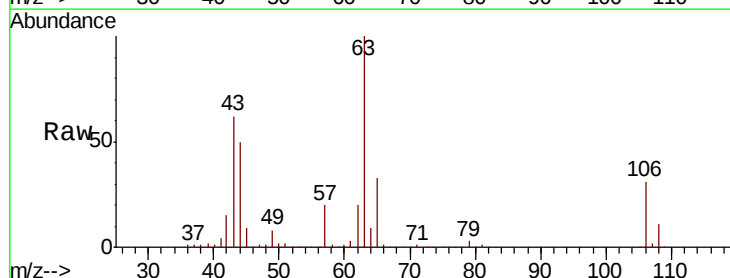
Acq: 15 Oct 2019 17:13

Tgt Ion: 63 Resp: 351557

Ion Ratio Lower Upper

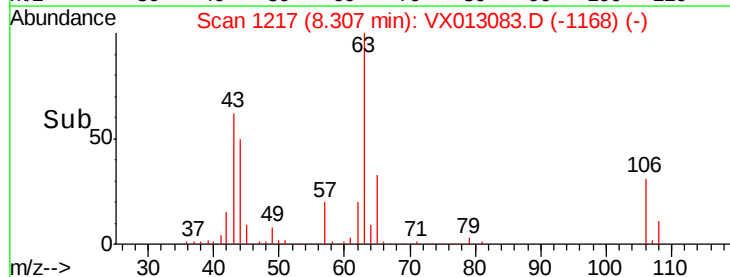
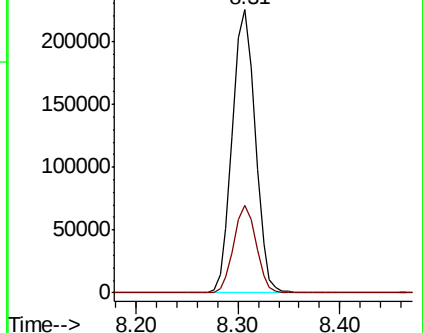
63 100

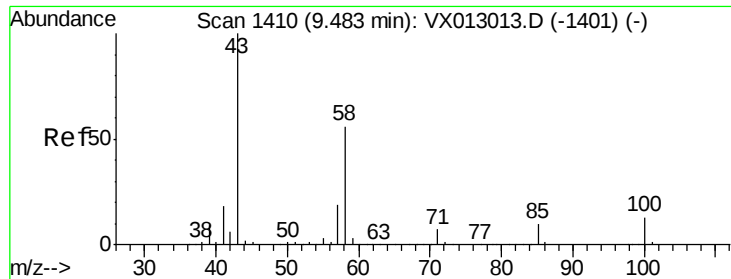
106 30.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

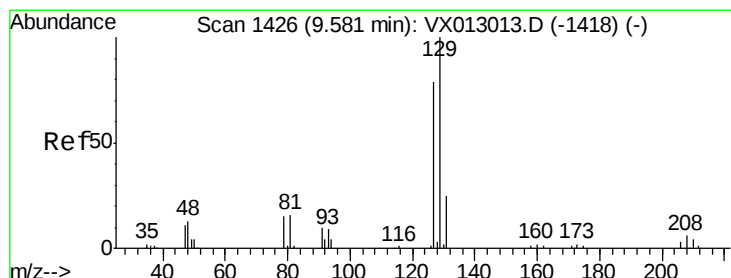
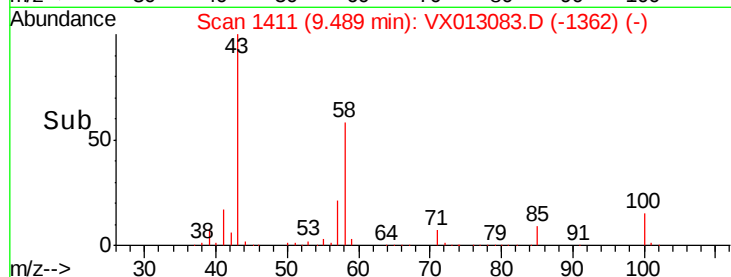
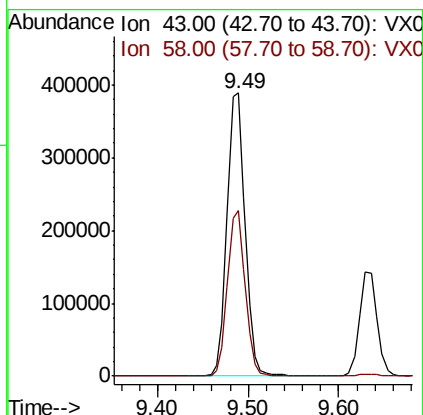
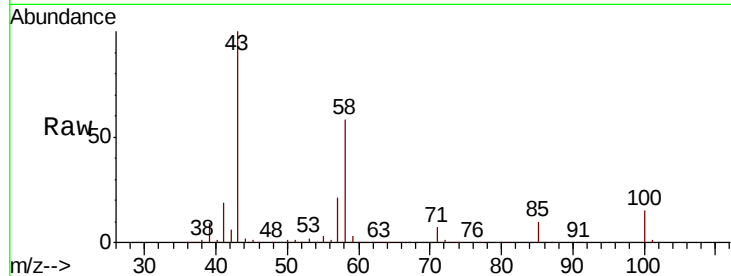




#59
2-Hexanone
Concen: 270.448 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

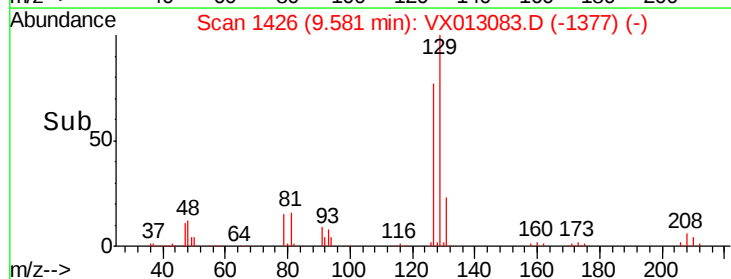
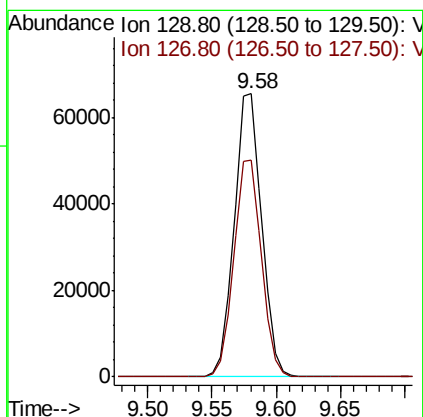
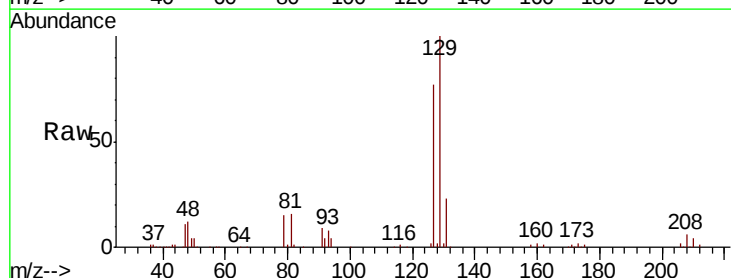
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

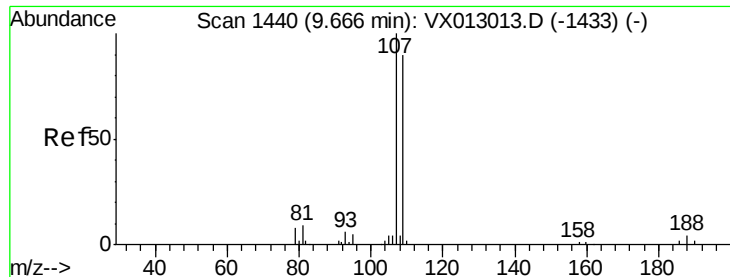
Tot Ion: 43 Resp: 539603
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.3



#60
Dibromochloromethane
Concen: 50.960 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 129 Resp: 97205
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 55.017 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

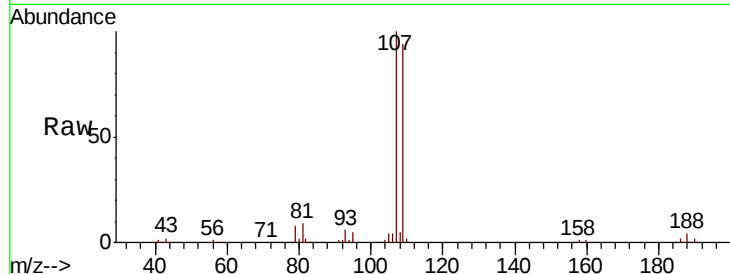
VSTDCCC050EC

Tot Ion:107 Resp: 99130

Ion Ratio Lower Upper

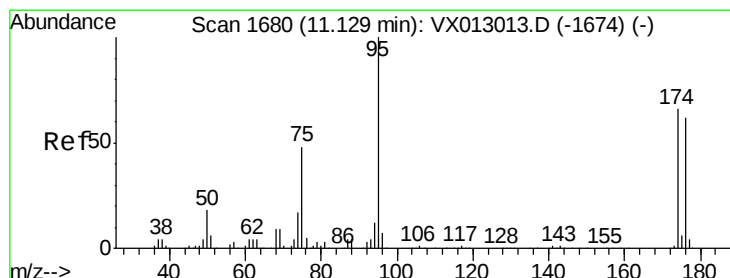
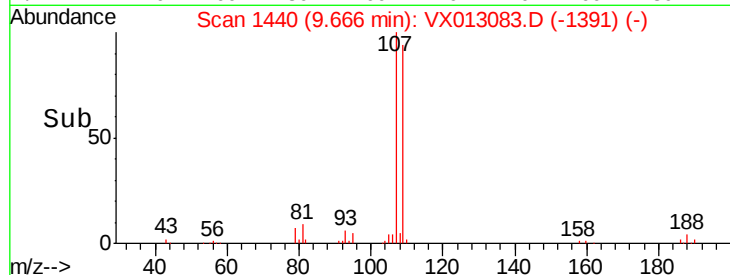
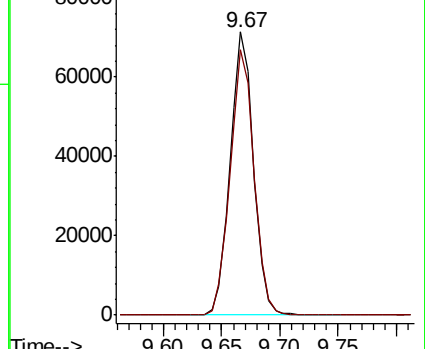
107 100

109 95.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.902 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

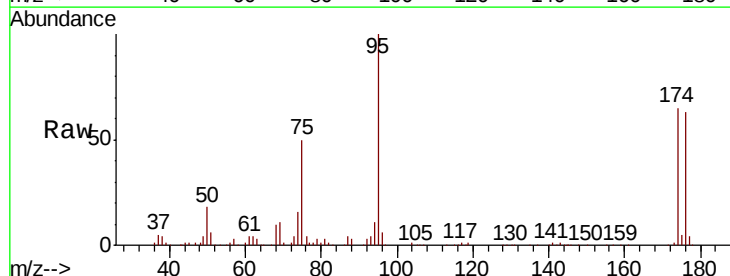
Tgt Ion: 95 Resp: 119879

Ion Ratio Lower Upper

95 100

174 75.3 0.0 143.4

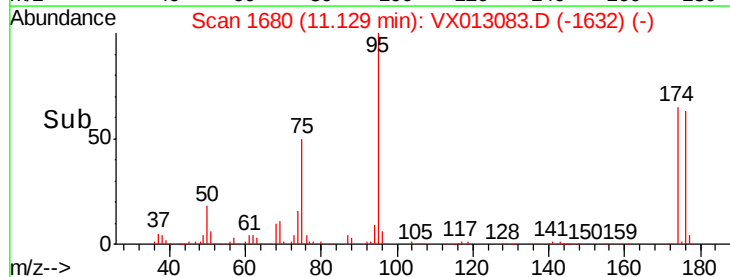
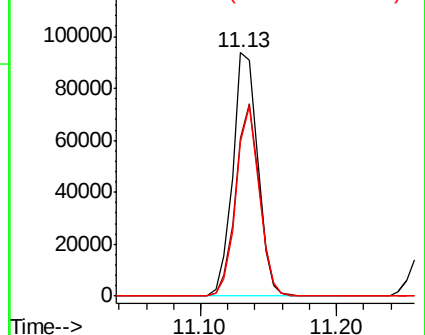
176 72.2 0.0 136.0

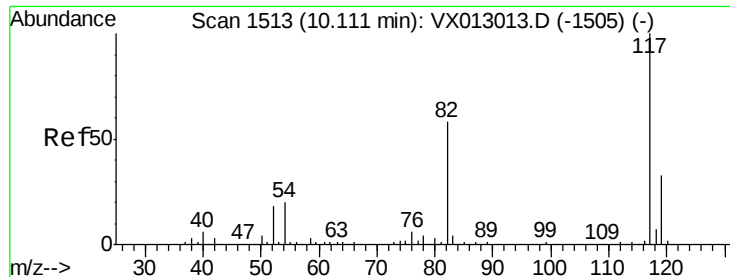


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

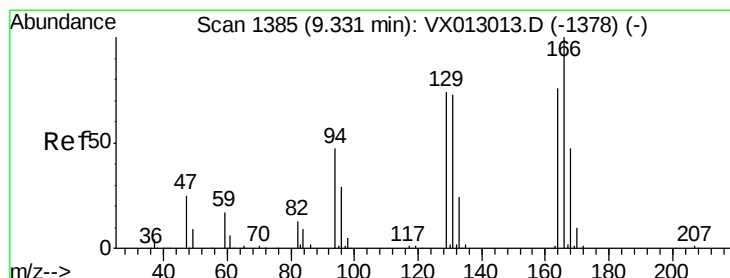
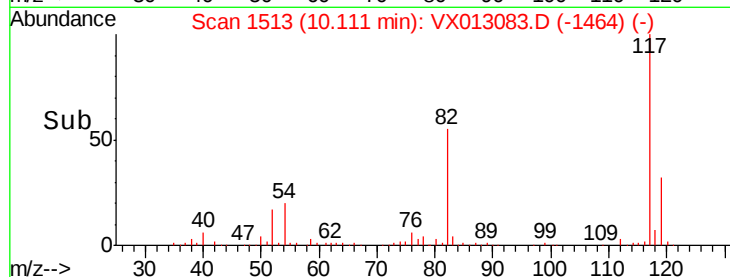
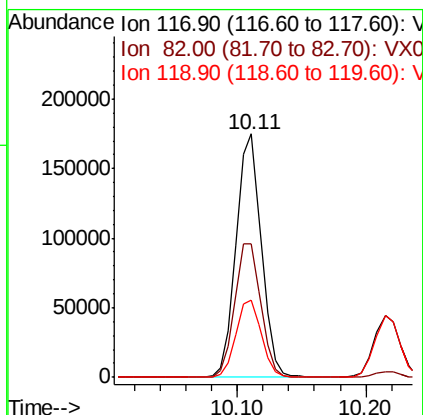
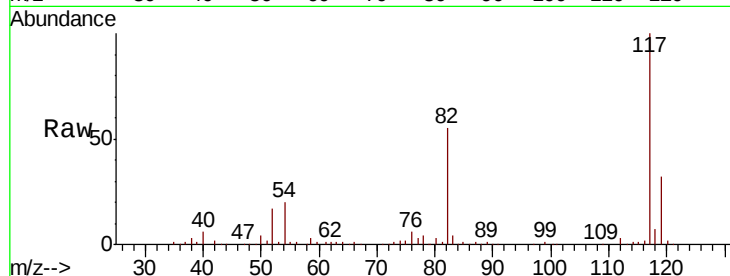




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

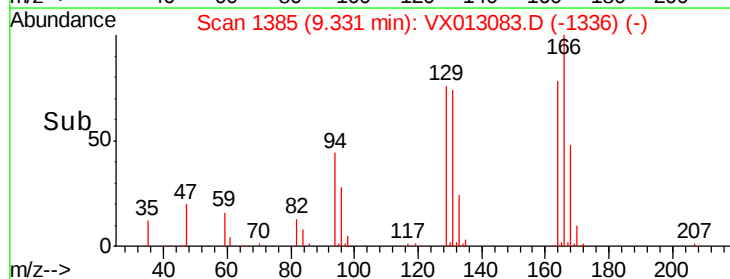
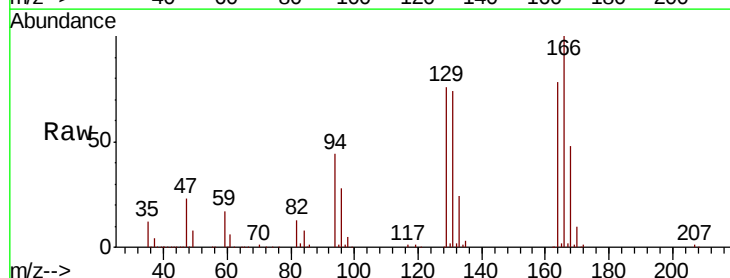
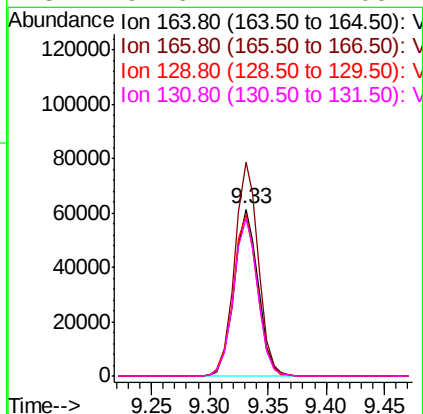
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

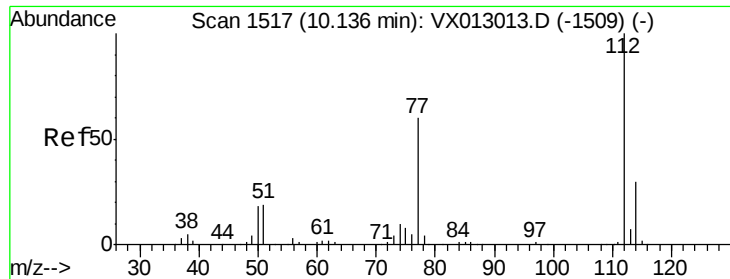
Tot Ion:117 Resp: 238701
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 31.6 25.8 38.8



#64
Tetrachloroethene
Concen: 53.108 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion:164 Resp: 87927
Ion Ratio Lower Upper
164 100
166 128.1 96.9 145.3
129 97.0 77.9 116.9
131 94.6 72.7 109.1

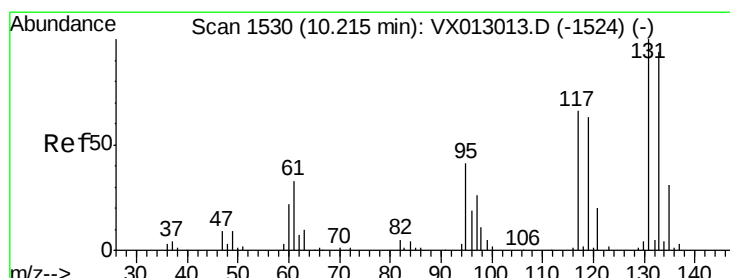
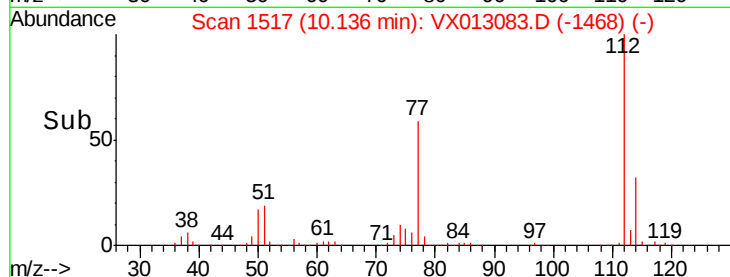
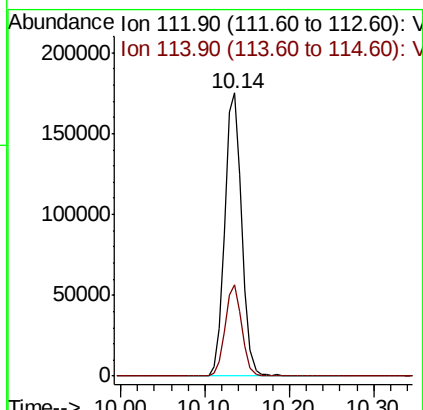
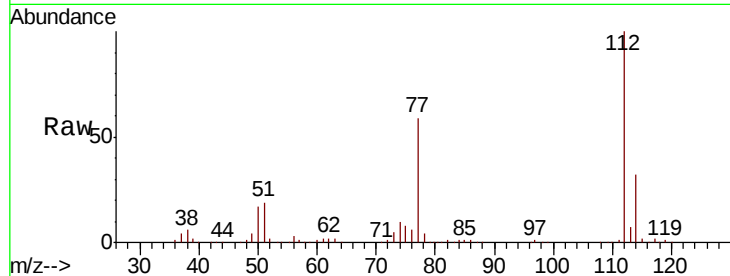




#65
Chlorobenzene
Concen: 51.364 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

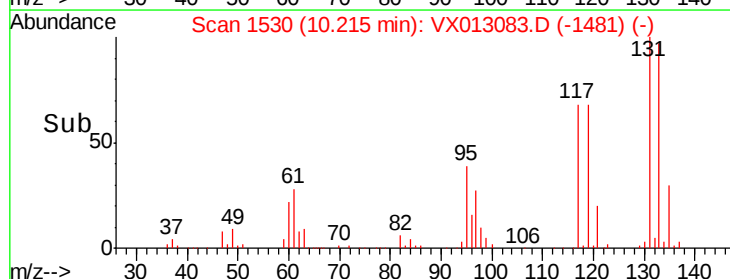
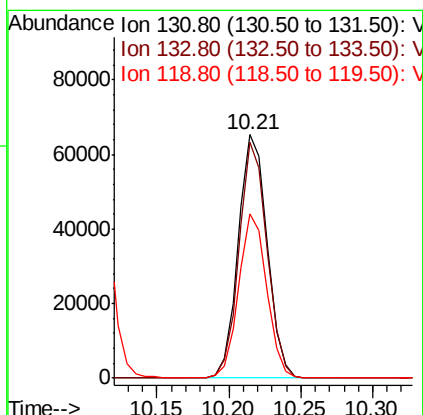
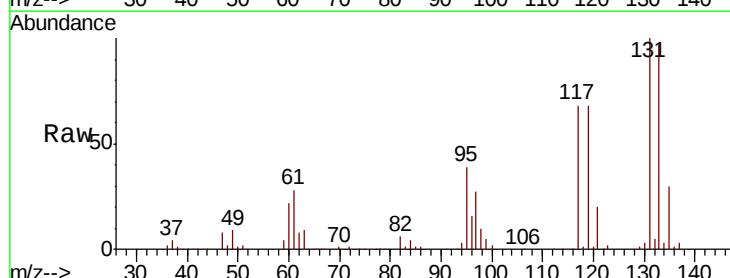
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

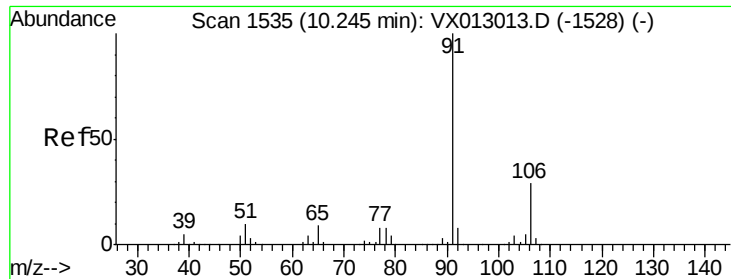
Tot Ion:112 Resp: 243476
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 55.255 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion:131 Resp: 90815
Ion Ratio Lower Upper
131 100
133 93.8 47.2 141.6
119 65.9 32.6 98.0

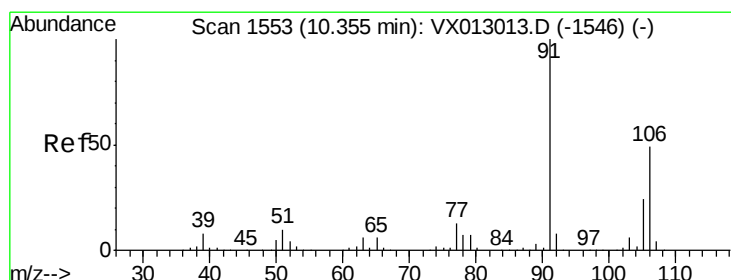
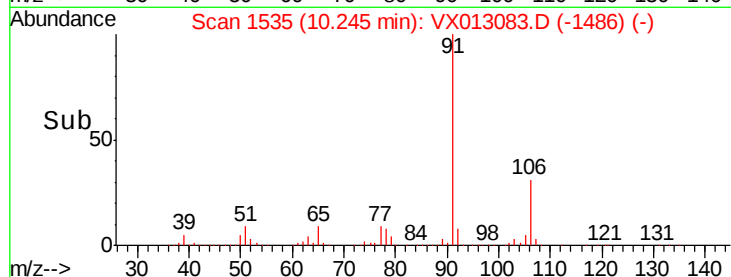
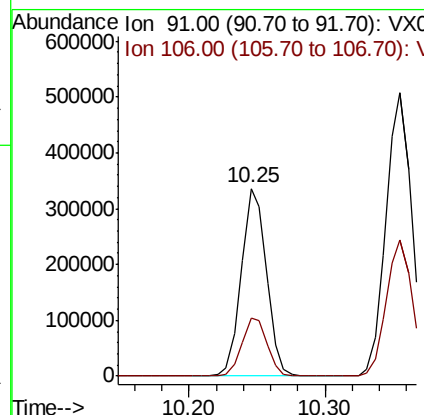
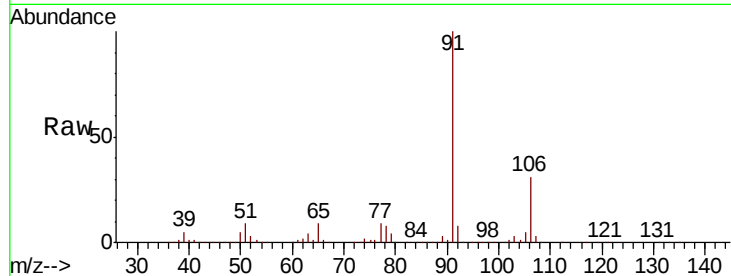




#67
Ethyl Benzene
Concen: 51.420 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

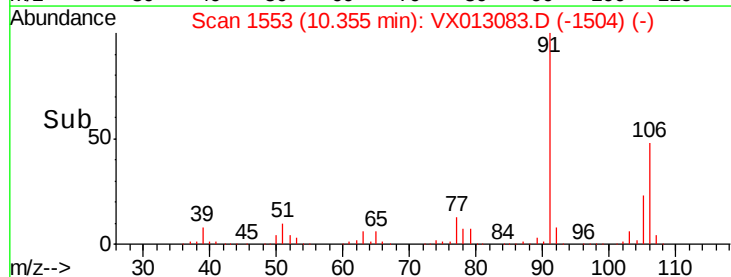
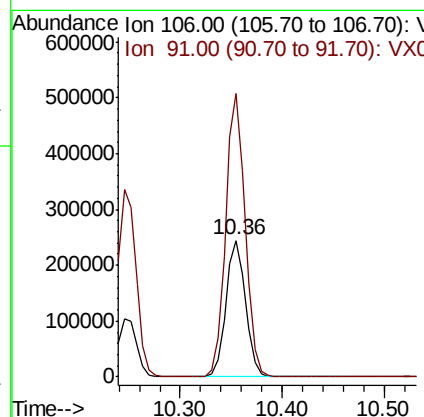
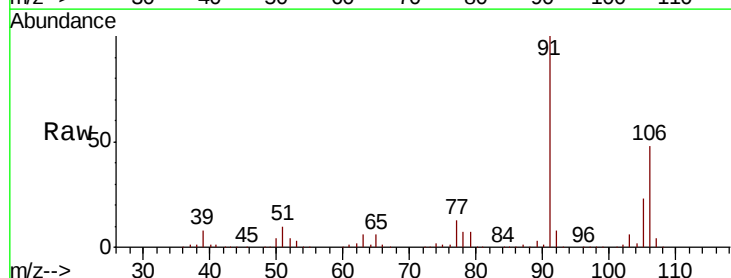
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

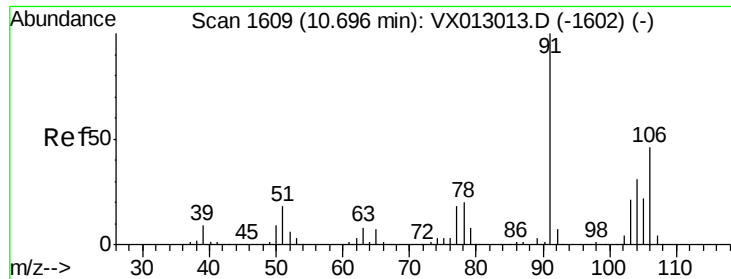
Tot Ion: 91 Resp: 432954
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9



#68
m/p-Xylenes
Concen: 103.852 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 106 Resp: 326672
Ion Ratio Lower Upper
106 100
91 206.3 165.3 247.9

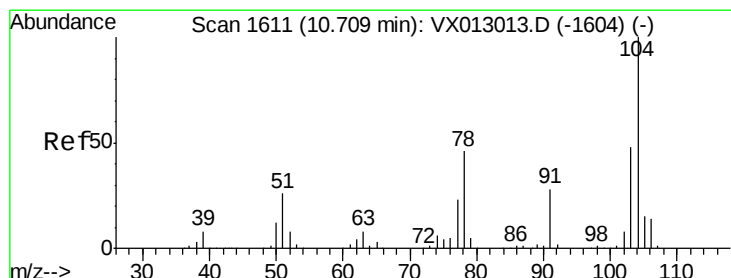
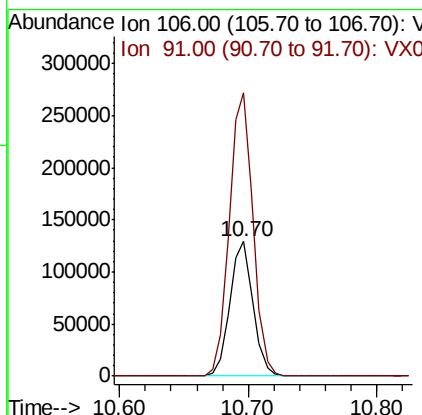
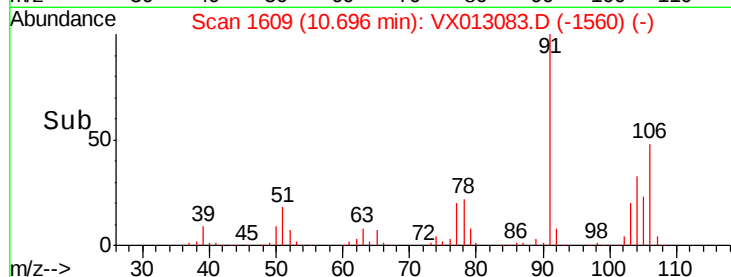
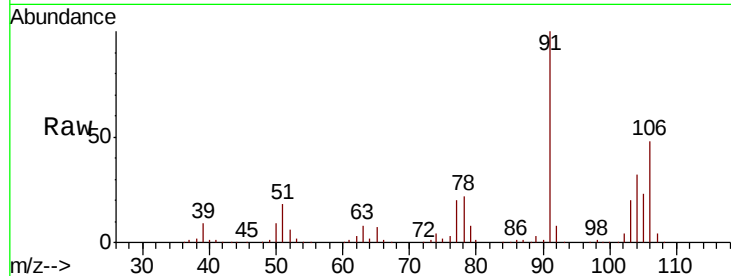




#69
o-Xylene
Concen: 52.880 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

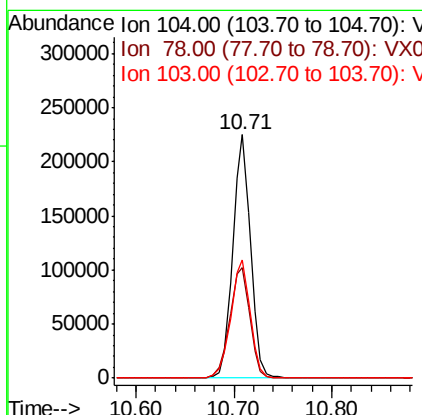
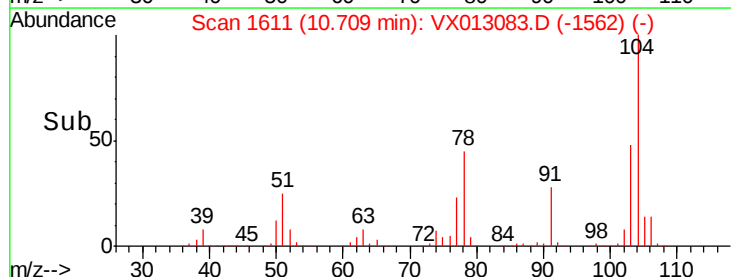
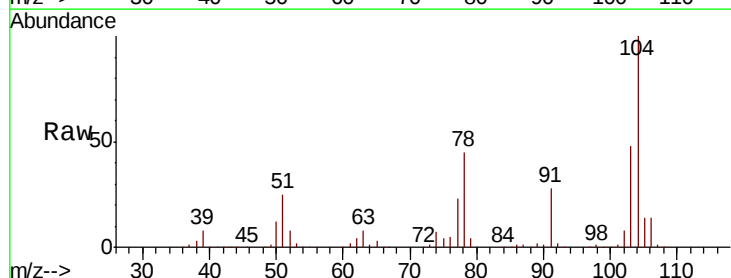
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

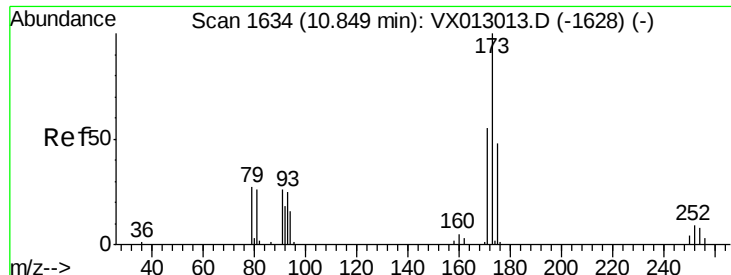
Tot Ion:106 Resp: 162208
Ion Ratio Lower Upper
106 100
91 216.1 109.1 327.3



#70
Styrene
Concen: 54.173 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion:104 Resp: 282497
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 53.3 43.0 64.4





#71

Bromoform

Concen: 47.652 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

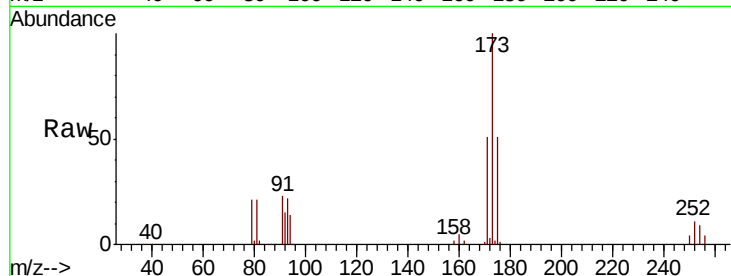
Tot Ion:173 Resp: 66500

Ion Ratio Lower Upper

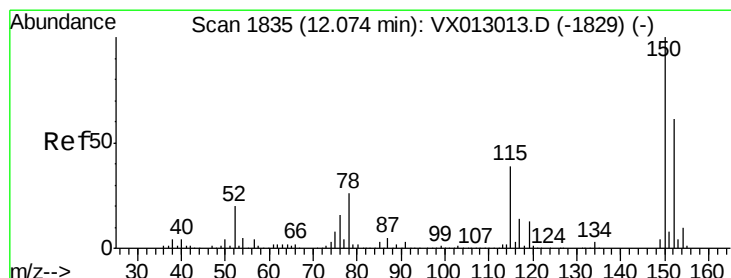
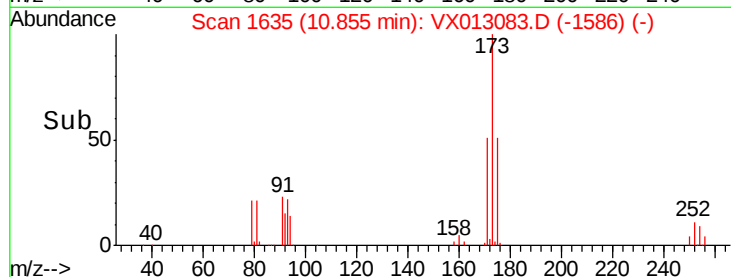
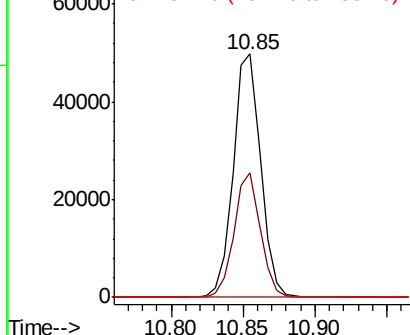
173 100

175 48.8 24.1 72.3

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

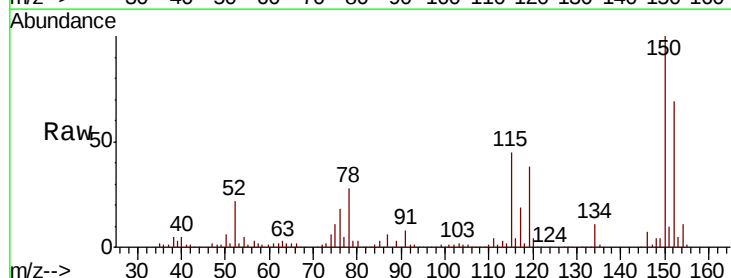
Tgt Ion:152 Resp: 115714

Ion Ratio Lower Upper

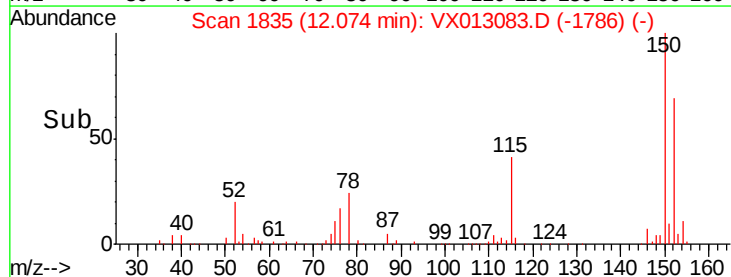
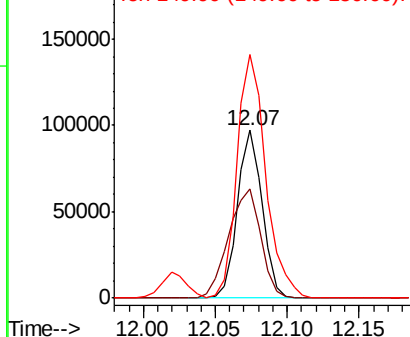
152 100

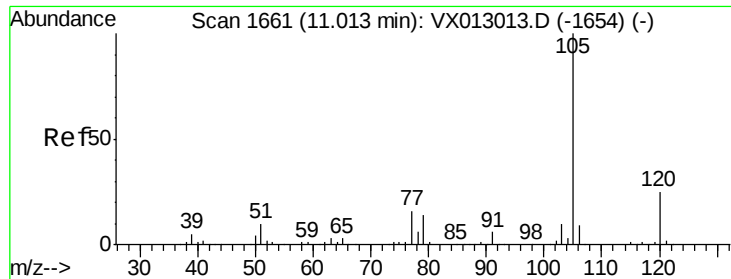
115 85.3 44.5 133.5

150 169.2 0.0 353.4



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





#73

Isopropylbenzene

Concen: 49.221 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

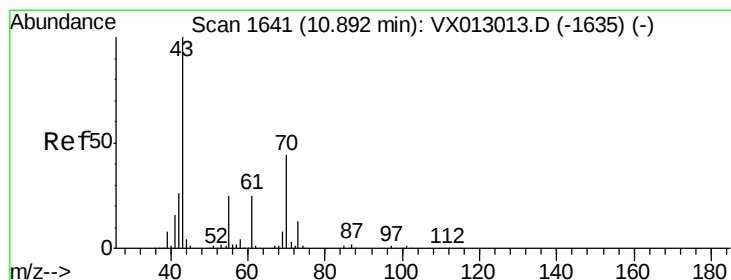
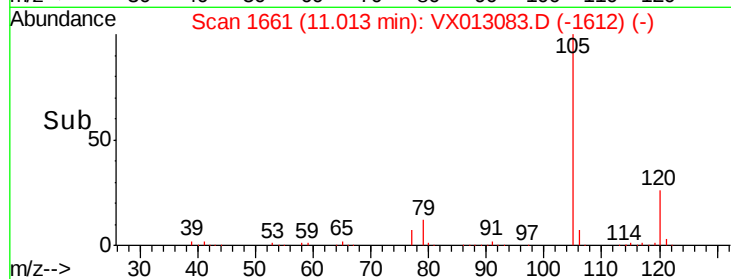
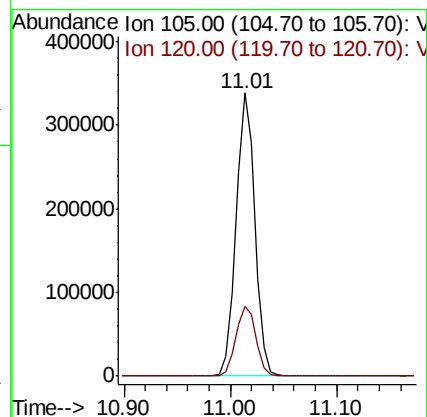
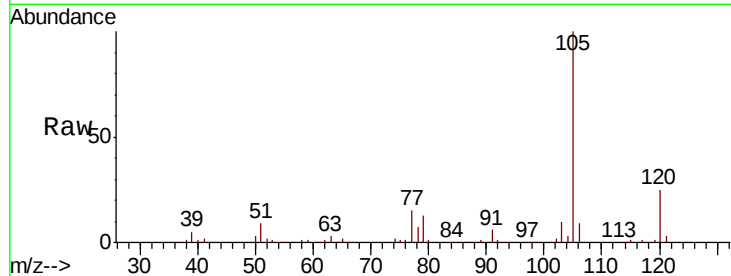
VSTDCCC050EC

Tot Ion:105 Resp: 418750

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 51.870 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Tgt Ion: 43 Resp: 190050

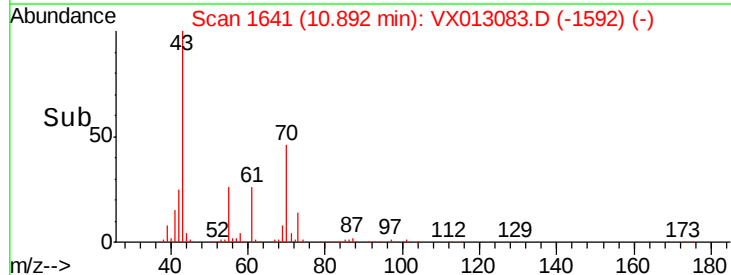
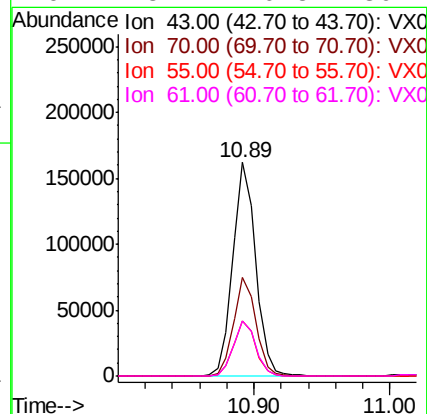
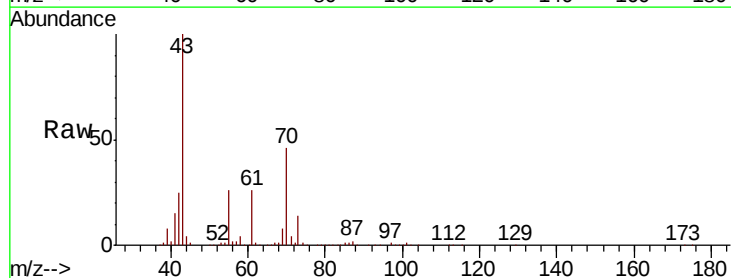
Ion Ratio Lower Upper

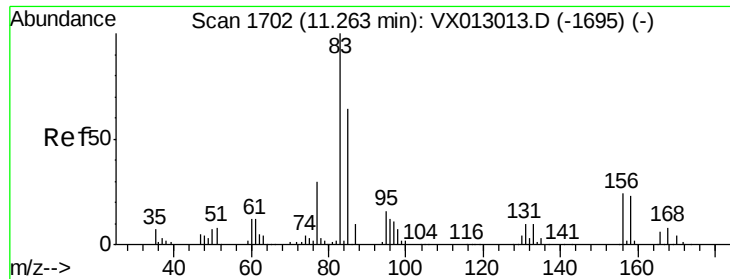
43 100

70 45.1 36.4 54.6

55 25.3 20.2 30.2

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.230 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

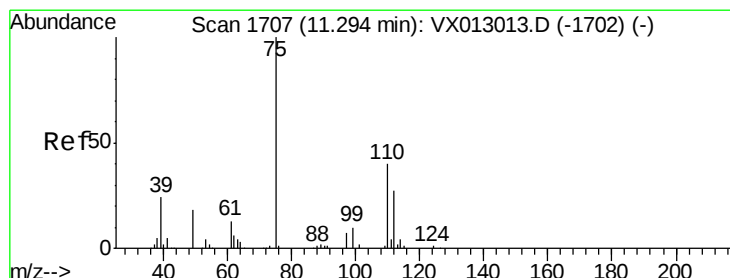
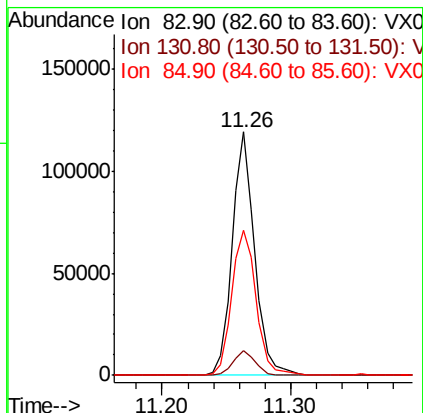
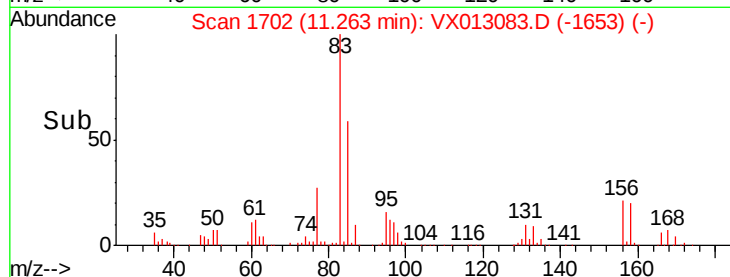
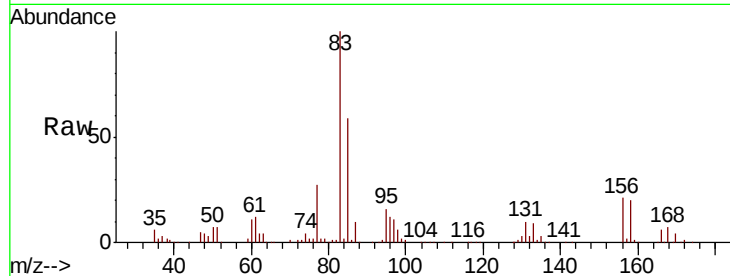
Tot Ion: 83 Resp: 144961

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

85 64.9 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 64.313 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX013083.D

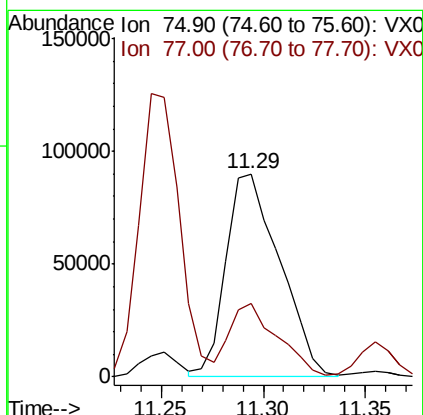
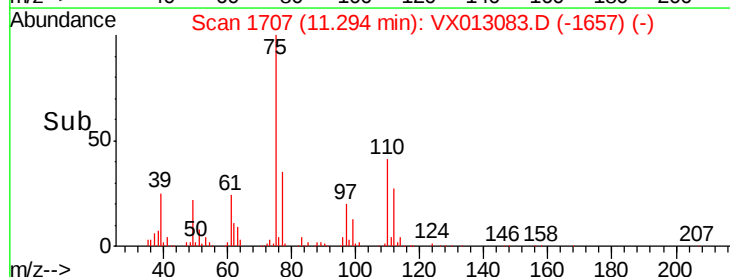
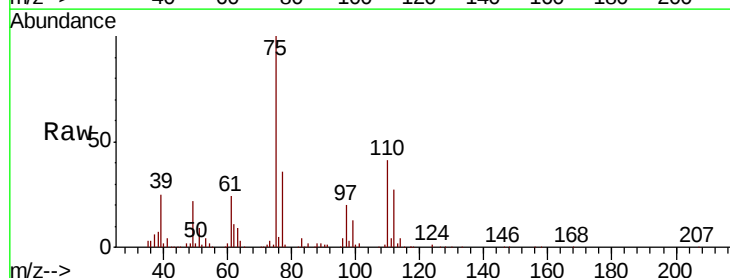
Acq: 15 Oct 2019 17:13

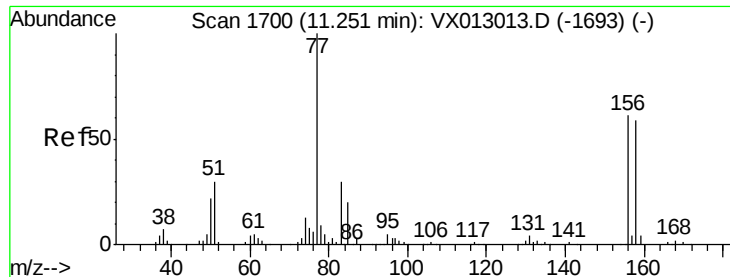
Tgt Ion: 75 Resp: 165061

Ion Ratio Lower Upper

75 100

77 32.0 22.9 68.8





#77

Bromobenzene

Concen: 52.102 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

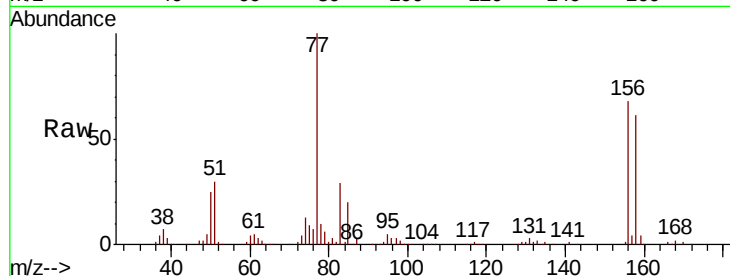
Tot Ion:156 Resp: 104453

Ion Ratio Lower Upper

156 100

77 165.6 83.7 251.0

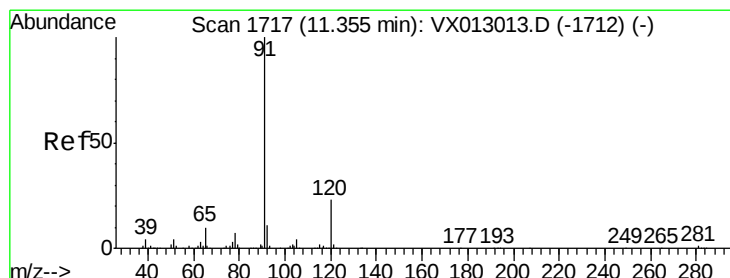
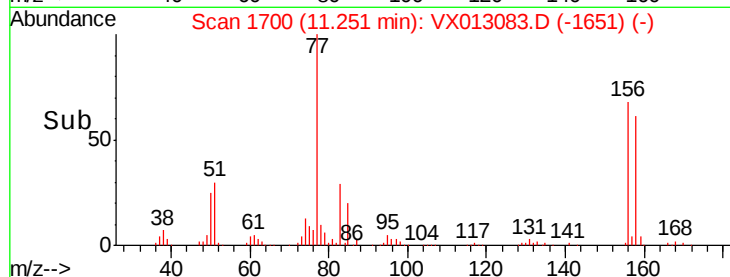
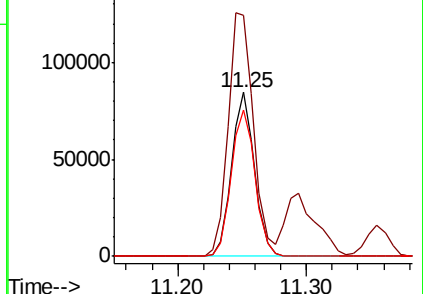
158 93.7 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.412 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013083.D

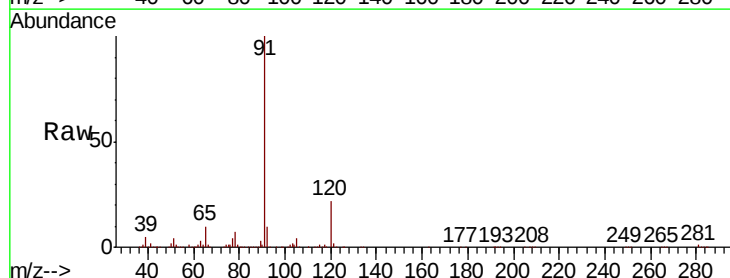
Acq: 15 Oct 2019 17:13

Tgt Ion: 91 Resp: 471928

Ion Ratio Lower Upper

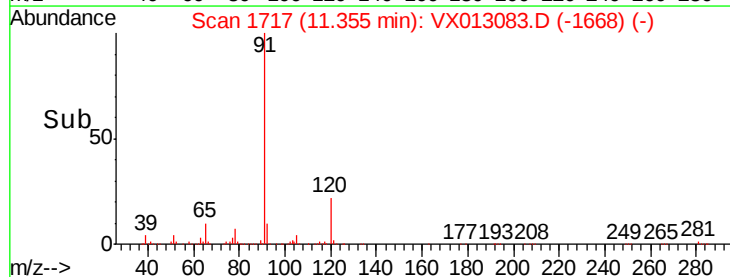
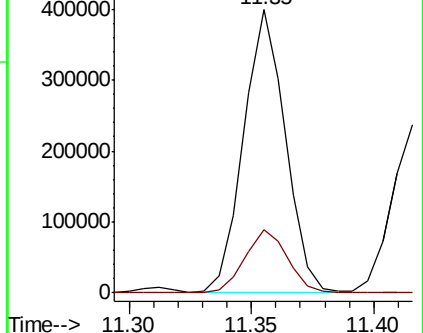
91 100

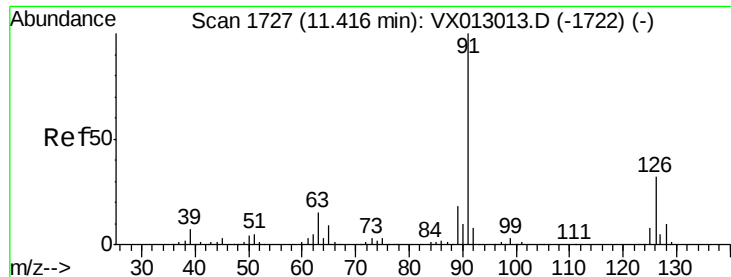
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

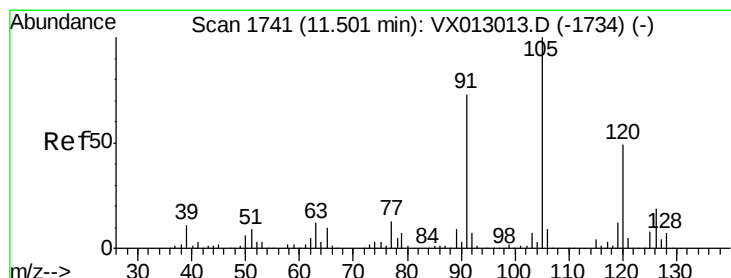
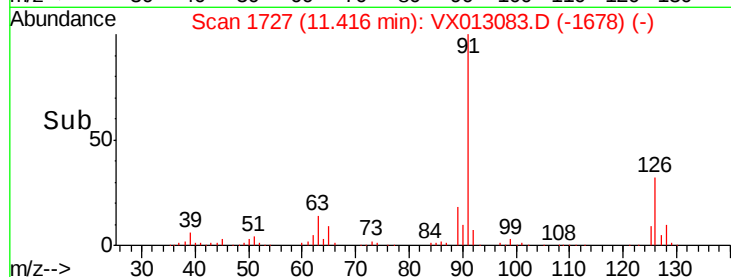
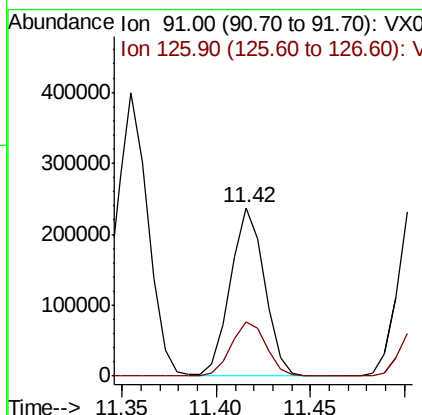
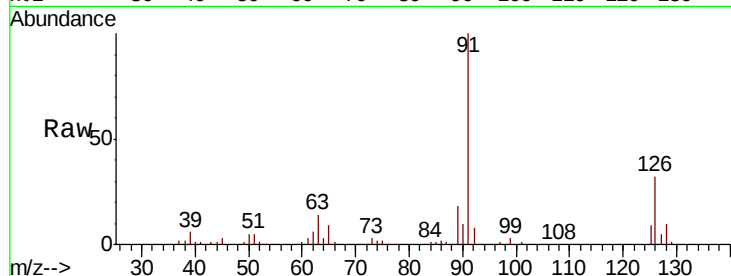




#79
 2-Chlorotoluene
 Concen: 50.433 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

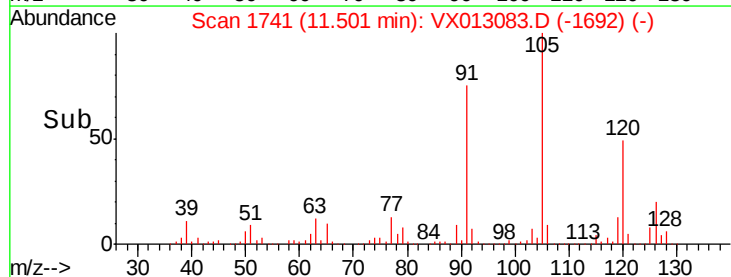
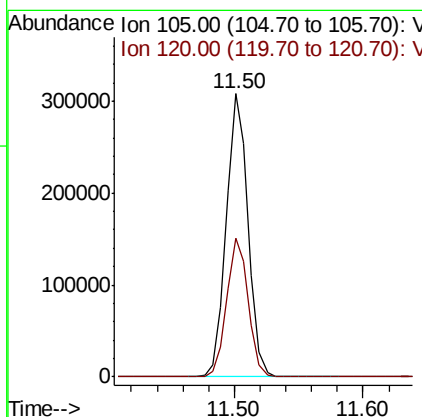
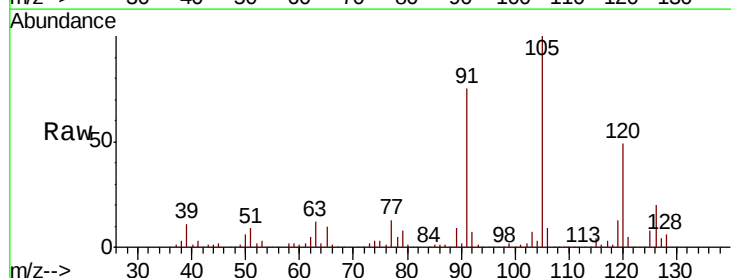
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

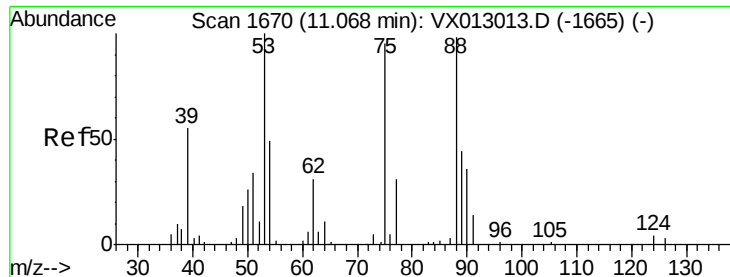
Tot Ion: 91 Resp: 296717
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.417 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 105 Resp: 365257
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.8 74.3

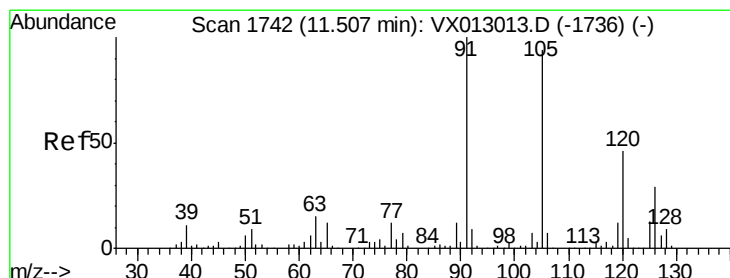
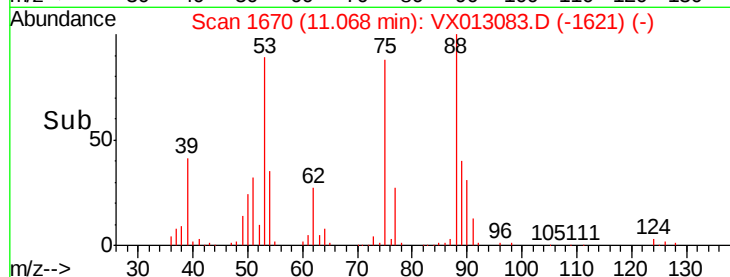
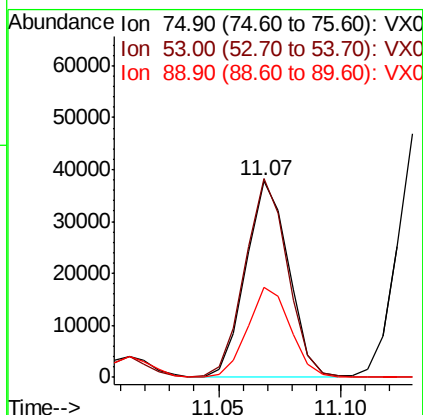
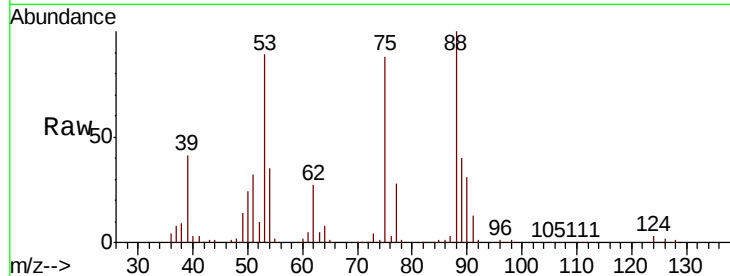




#81
trans-1,4-Dichloro-2-butene
Concen: 46.297 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

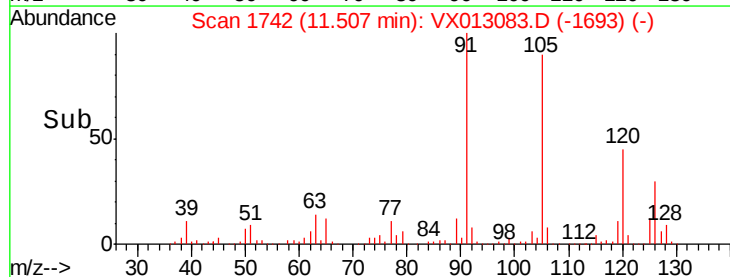
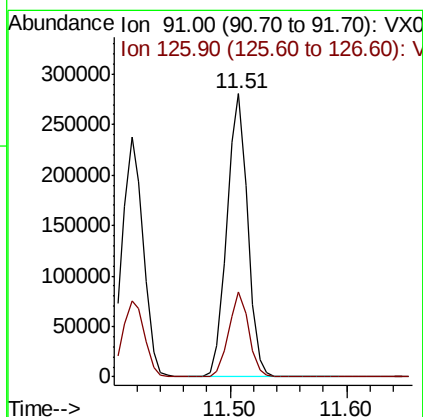
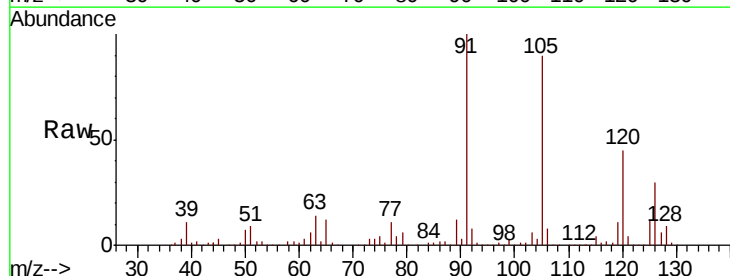
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

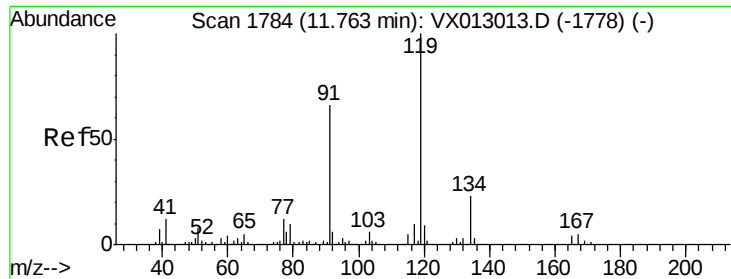
Tot Ion: 75 Resp: 45879
Ion Ratio Lower Upper
75 100
53 100.8 78.5 117.7
89 46.6 37.4 56.2



#82
4-Chlorotoluene
Concen: 51.232 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 91 Resp: 345481
Ion Ratio Lower Upper
91 100
126 28.9 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.649 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

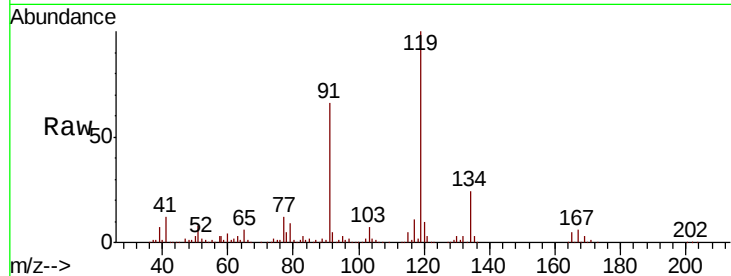
Tot Ion:119 Resp: 350984

Ion Ratio Lower Upper

119 100

91 60.3 29.3 87.9

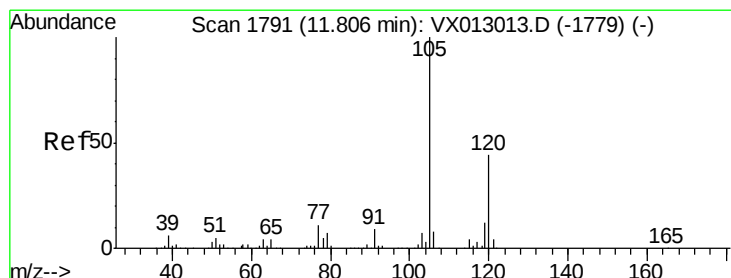
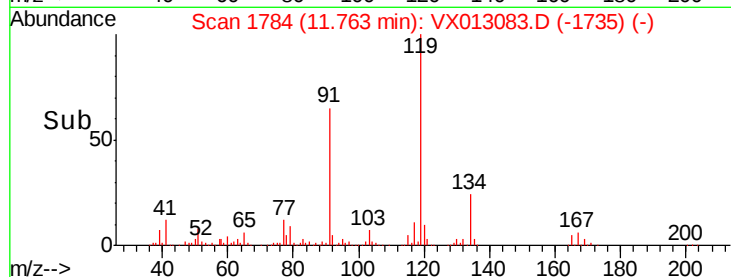
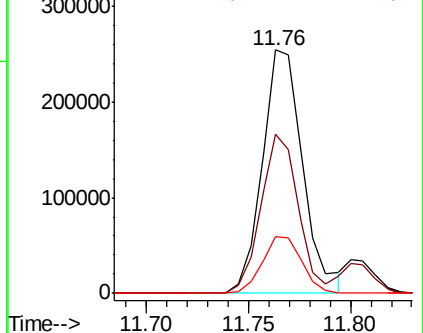
134 22.9 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.032 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013083.D

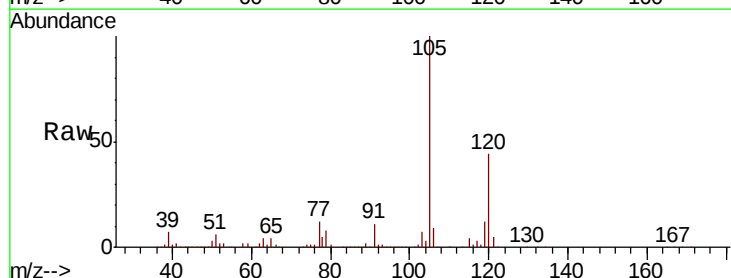
Acq: 15 Oct 2019 17:13

Tgt Ion:105 Resp: 374346

Ion Ratio Lower Upper

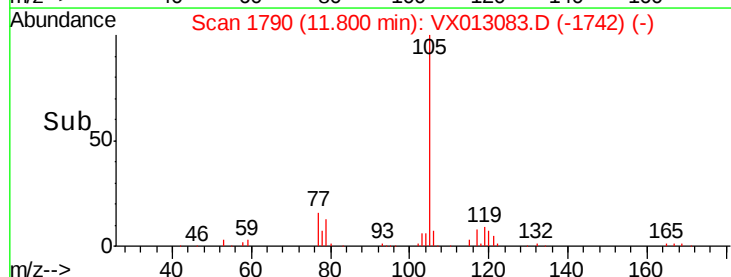
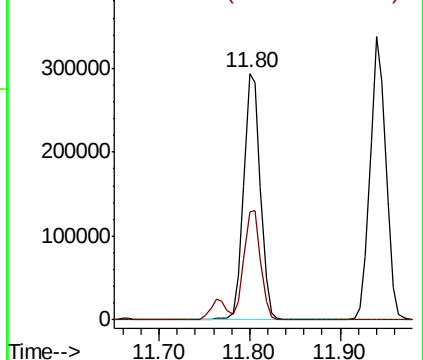
105 100

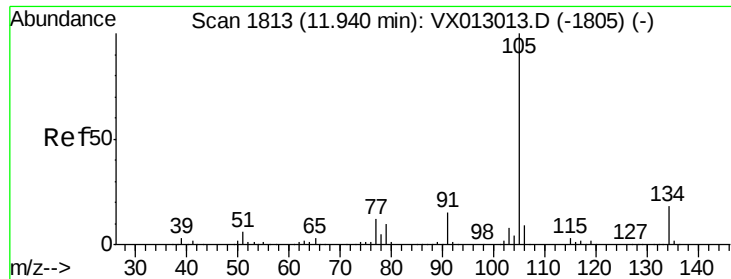
120 44.4 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.877 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

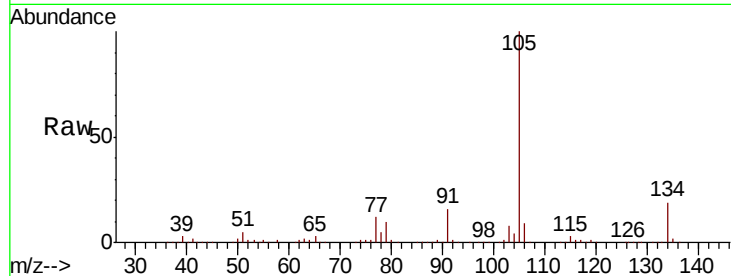
VSTDCCC050EC

Tot Ion:105 Resp: 408461

Ion Ratio Lower Upper

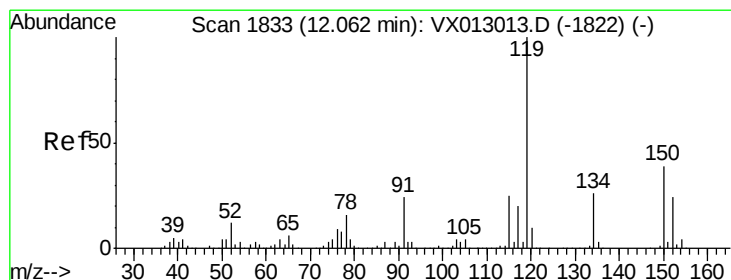
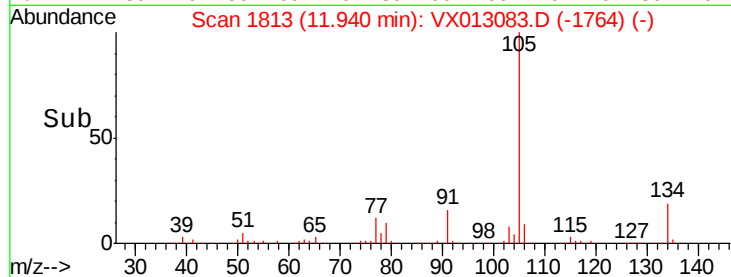
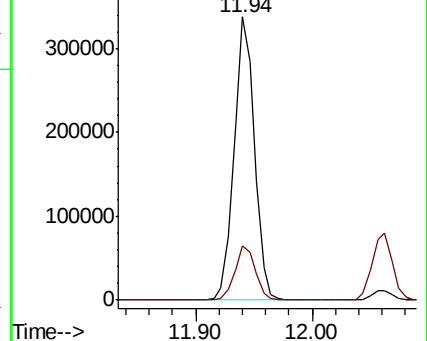
105 100

134 19.3 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.148 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

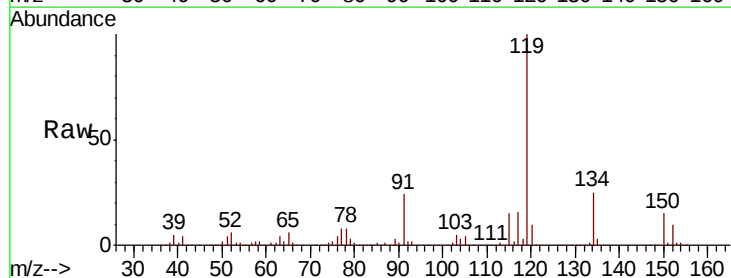
Tgt Ion:119 Resp: 373397

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

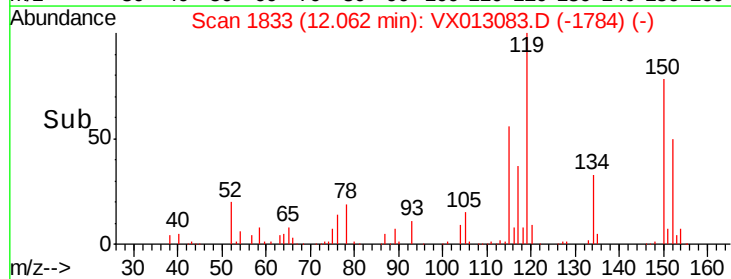
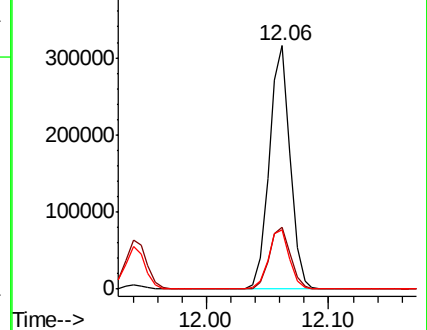
91 24.8 12.4 37.4



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

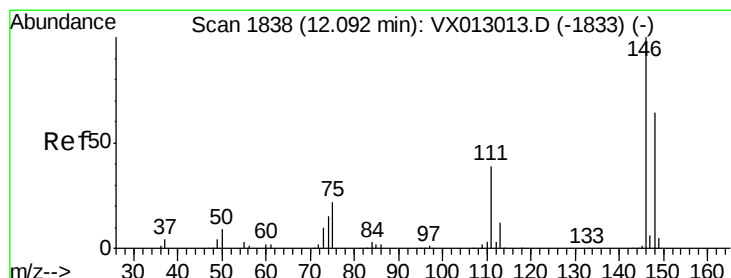
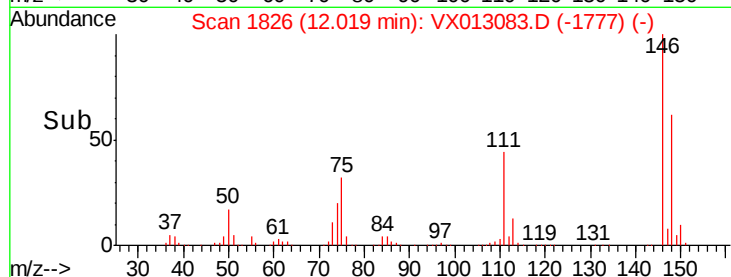
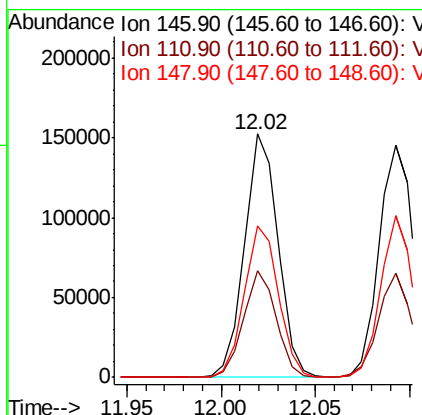
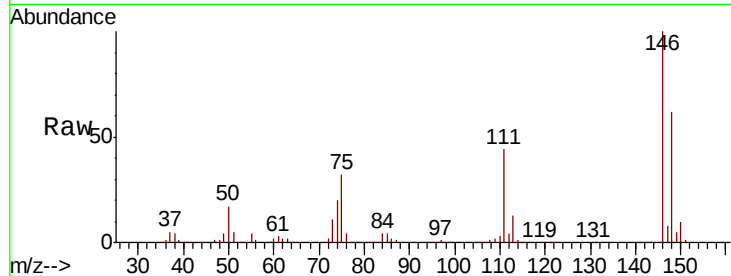




#87
 1,3-Dichlorobenzene
 Concen: 50.495 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

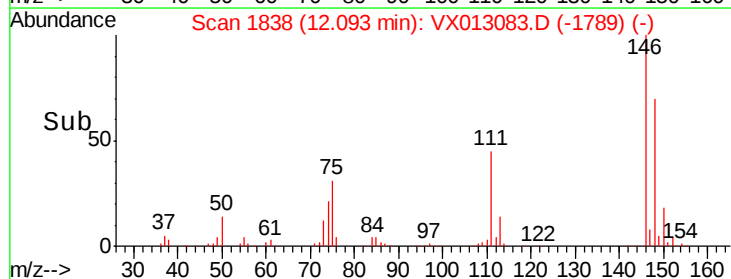
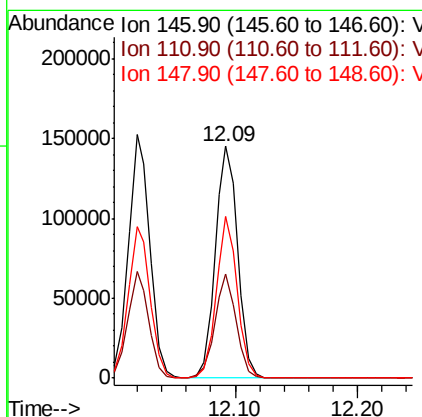
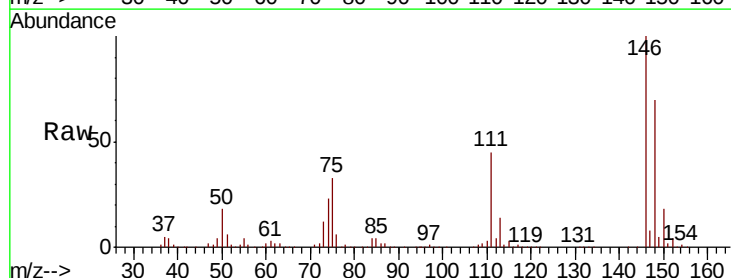
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 187986
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.4
 148 63.5 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 49.079 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion:146 Resp: 185050
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.4 64.3
 148 65.2 32.1 96.5





#89

n-Butylbenzene

Concen: 50.845 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

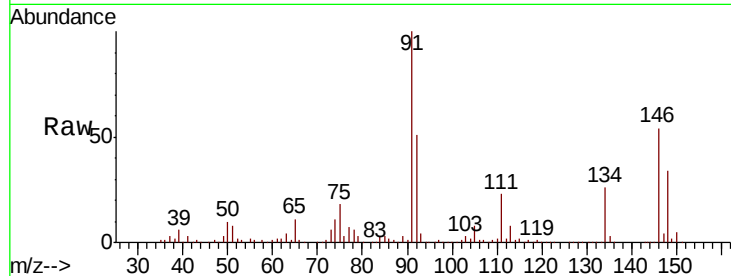
Tot Ion: 91 Resp: 318185

Ion Ratio Lower Upper

91 100

92 53.7 27.5 82.5

134 26.1 12.9 38.7

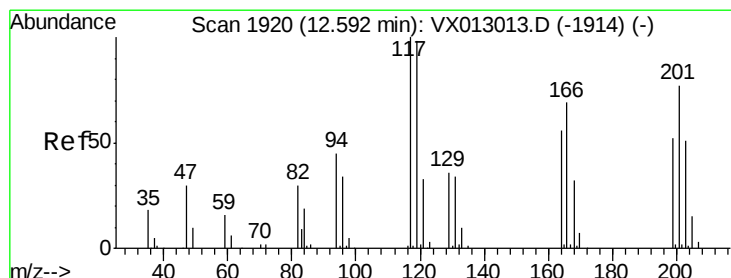
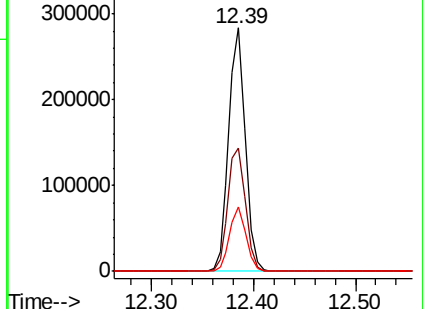
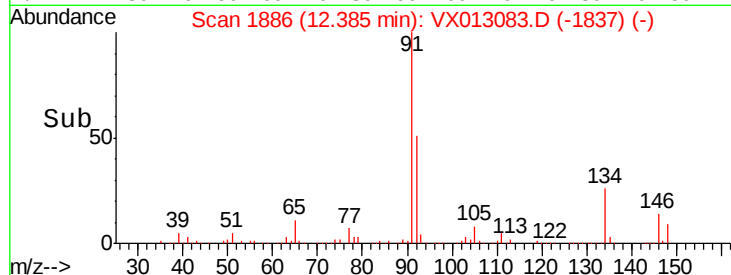


Abundance Ion 91.00 (90.70 to 91.70): VX013013.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VX013013.D (-1879) (-)

Ion 134.00 (133.70 to 134.70): VX013013.D (-1879) (-)

Time-->



#90

Hexachloroethane

Concen: 46.381 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013083.D

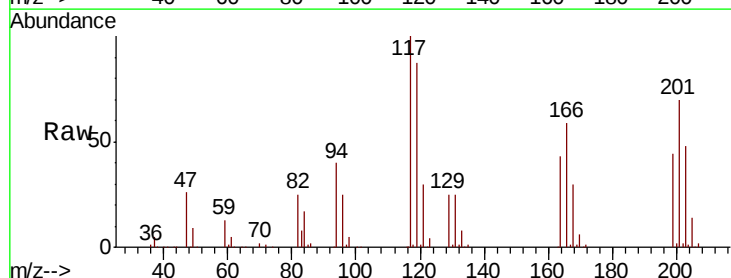
Acq: 15 Oct 2019 17:13

Tgt Ion: 117 Resp: 63741

Ion Ratio Lower Upper

117 100

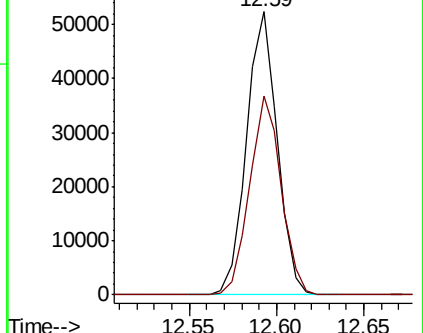
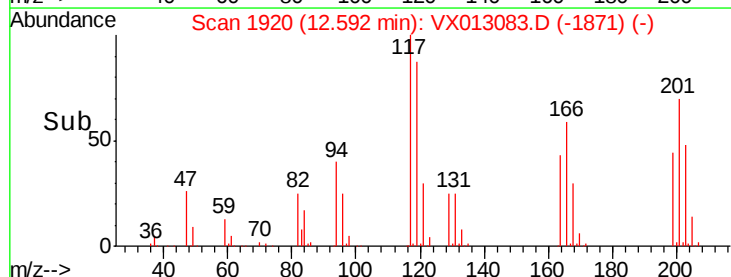
201 72.0 36.9 110.7

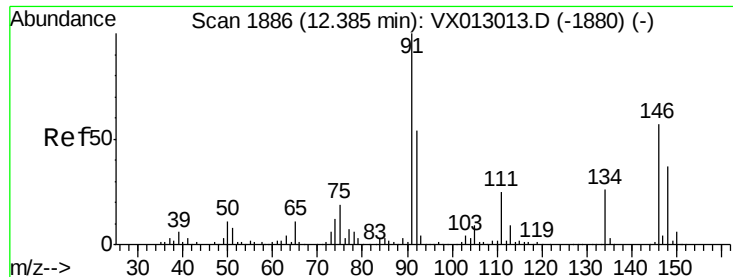


Abundance Ion 116.80 (116.50 to 117.50): VX013013.D (-1914) (-)

Ion 200.70 (200.40 to 201.40): VX013013.D (-1914) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 52.051 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

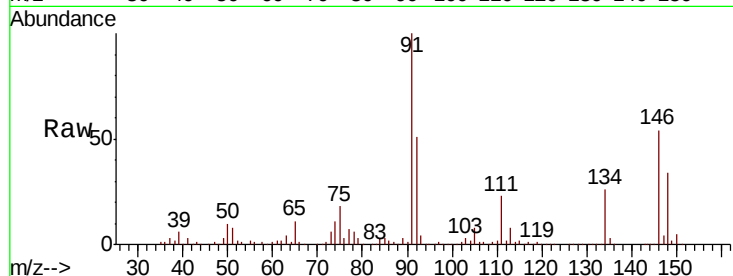
Tot Ion:146 Resp: 189974

Ion Ratio Lower Upper

146 100

111 44.7 22.7 68.0

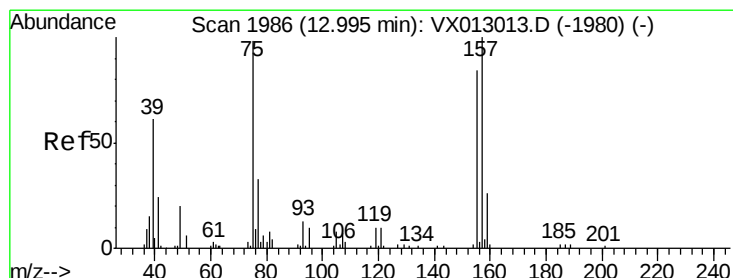
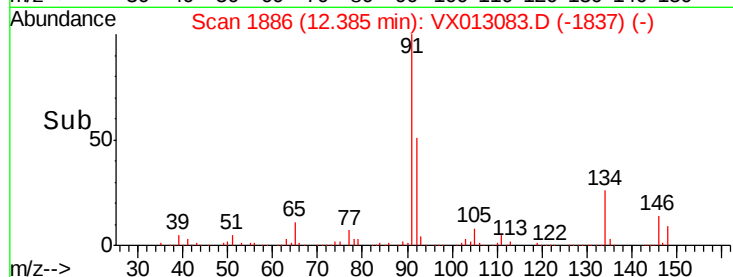
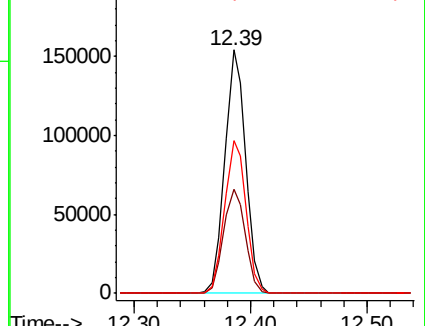
148 64.3 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.217 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013083.D

Acq: 15 Oct 2019 17:13

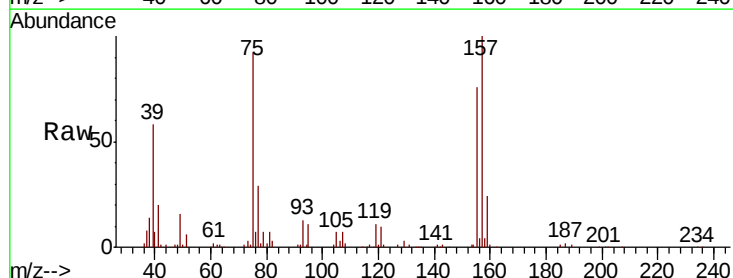
Tgt Ion: 75 Resp: 35294

Ion Ratio Lower Upper

75 100

155 87.4 43.0 128.8

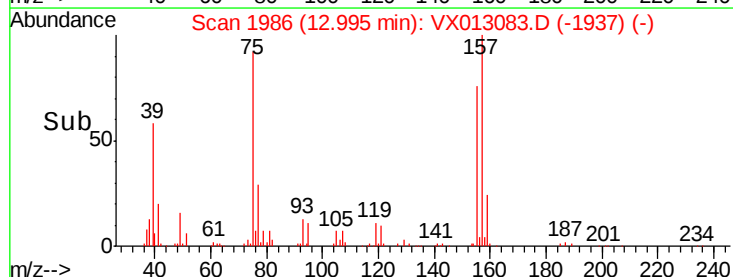
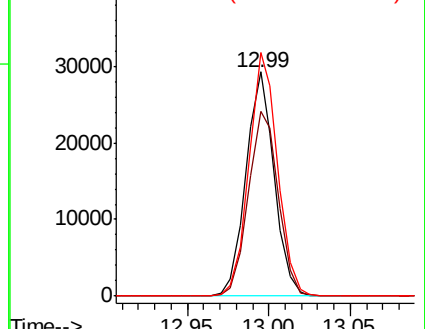
157 109.9 54.1 162.3

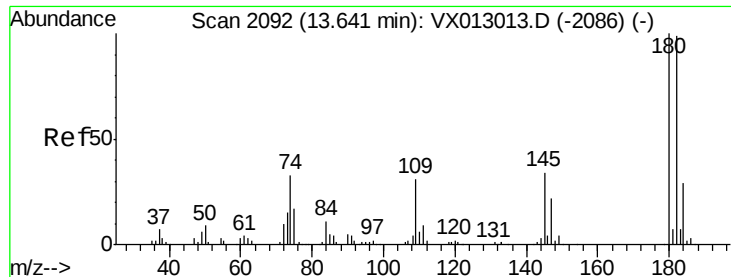


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

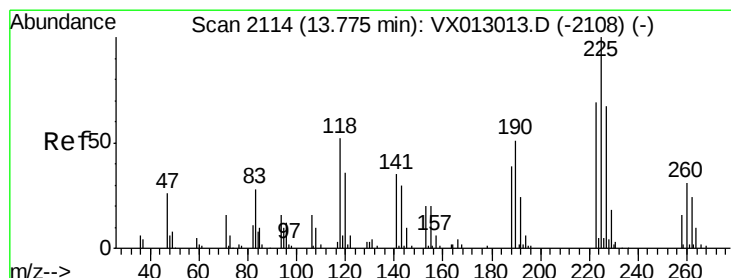
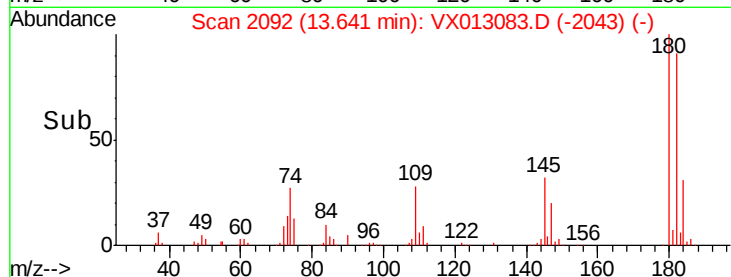
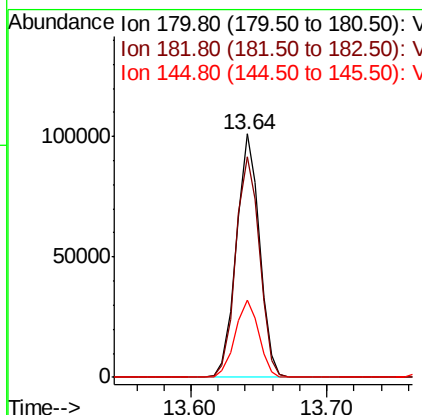
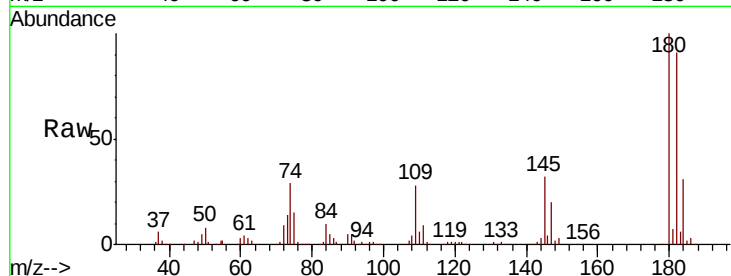




#93
 1,2,4-Trichlorobenzene
 Concen: 52.235 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

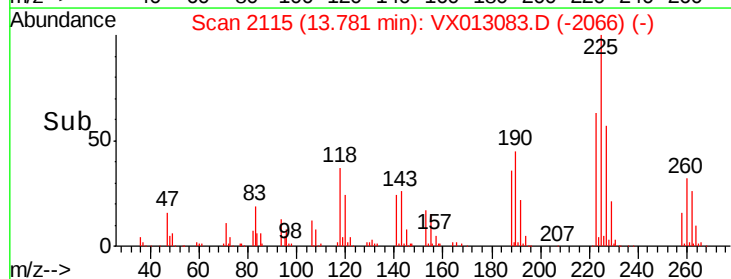
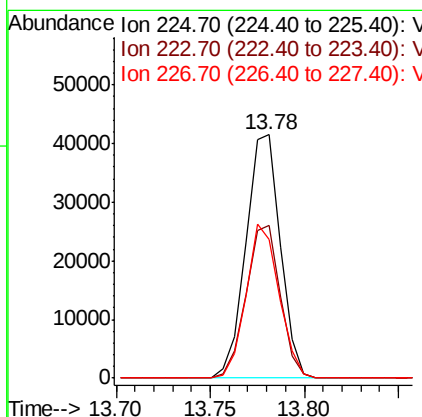
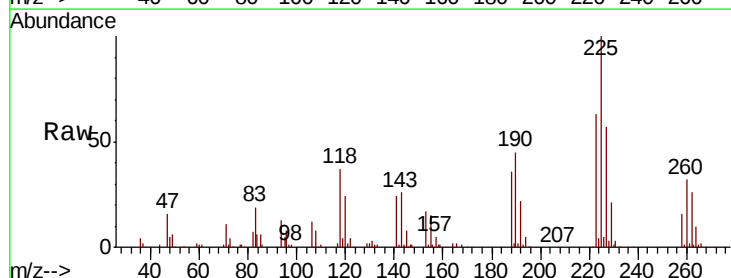
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

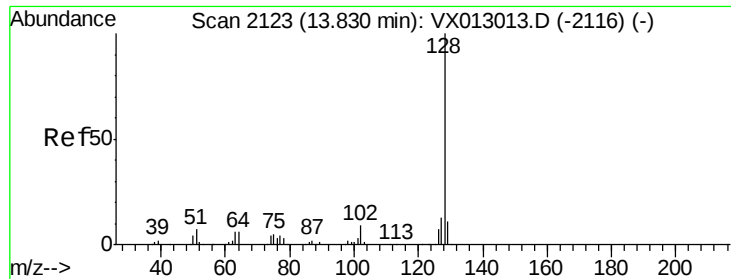
Tot Ion:180 Resp: 119425
 Ion Ratio Lower Upper
 180 100
 182 93.3 46.8 140.4
 145 32.7 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 49.841 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX013083.D
 Acq: 15 Oct 2019 17:13

Tgt Ion:225 Resp: 52589
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.2
 227 60.7 32.3 96.9

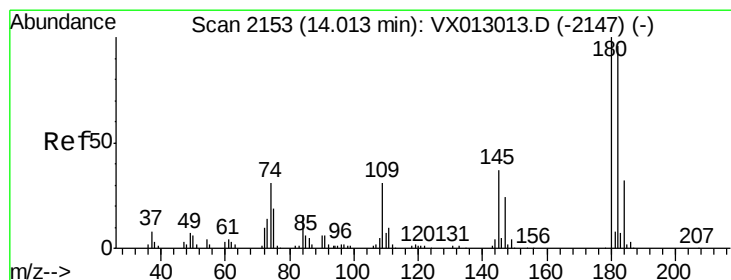
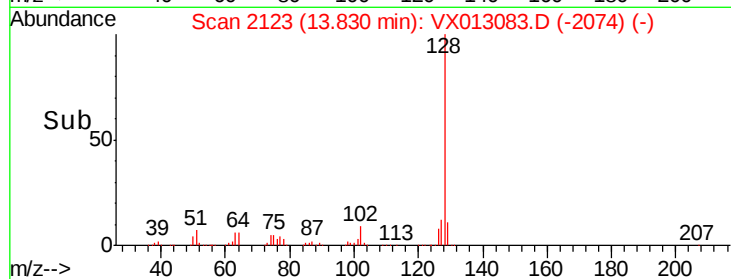
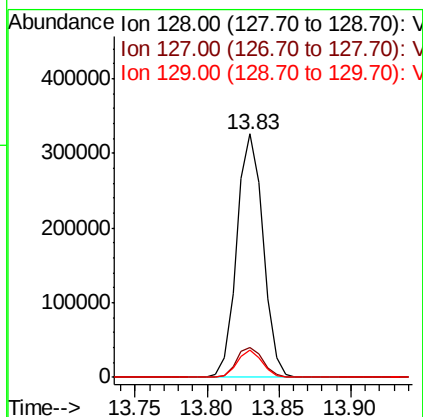
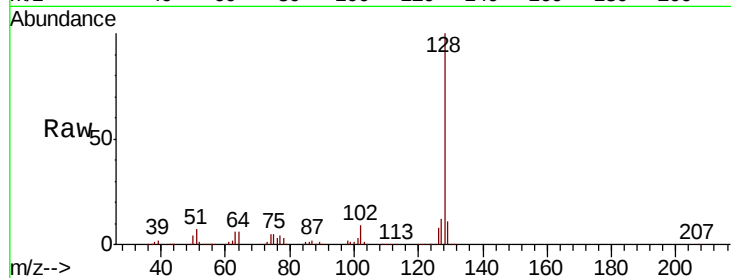




#95
Naphthalene
Concen: 52.323 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 414683
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.506 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013083.D
Acq: 15 Oct 2019 17:13

Tgt Ion:180 Resp: 116966
Ion Ratio Lower Upper
180 100
182 96.9 47.5 142.5
145 35.3 17.4 52.3

