

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012521.D
 Acq On : 19 Sep 2019 12:27
 Operator : JC/SP
 Sample : VX0919MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Quant Time: Sep 20 04:31:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	198058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	130422	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	5.48	113	95493	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	350300	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.13	95	138743	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	24637	18.890	ug/l	99
3) Chloromethane	1.32	50	20605	18.923	ug/l	95
4) Vinyl Chloride	1.40	62	22922	19.477	ug/l	99
5) Bromomethane	1.63	94	11186	24.193	ug/l	93
6) Chloroethane	1.72	64	16718	18.153	ug/l	98
7) Trichlorofluoromethane	1.92	101	44149	20.464	ug/l	100
8) Diethyl Ether	2.18	74	18064	18.538	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	31038	19.884	ug/l	98
10) Methyl Iodide	2.50	142	21909	19.345	ug/l	96
11) Tert butyl alcohol	3.03	59	63643	84.526	ug/l	100
12) 1,1-Dichloroethene	2.36	96	24520	19.692	ug/l	98
13) Acrolein	2.28	56	16470	64.832	ug/l	96
14) Allyl chloride	2.72	41	55791	19.245	ug/l	99
15) Acrylonitrile	3.13	53	116352	94.591	ug/l	100
16) Acetone	2.43	43	123906	90.452	ug/l	99
17) Carbon Disulfide	2.56	76	30618	18.565	ug/l	100
18) Methyl Acetate	2.76	43	57630	19.484	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	132460	19.510	ug/l	98
20) Methylene Chloride	2.84	84	33484	19.491	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	25279	19.550	ug/l	94
22) Diisopropyl ether	3.84	45	130306	19.197	ug/l	99
23) Vinyl Acetate	3.80	43	542438	97.147	ug/l	99
24) 1,1-Dichloroethane	3.69	63	66150	20.368	ug/l	98
25) 2-Butanone	4.66	43	176674	89.727	ug/l	99
26) 2,2-Dichloropropane	4.57	77	59195	18.533	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	38083	19.716	ug/l	99
28) Bromochloromethane	5.00	49	31703	18.935	ug/l	96
29) Tetrahydrofuran	5.11	42	103556	95.201	ug/l	99
30) Chloroform	5.20	83	72755	19.506	ug/l	99
31) Cyclohexane	5.57	56	40131	20.470	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61041	19.581	ug/l	100
36) 1,1-Dichloropropene	5.79	75	38524	19.338	ug/l	96
37) Ethyl Acetate	4.82	43	60303	19.720	ug/l	99
38) Carbon Tetrachloride	5.77	117	47938	19.348	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39398	20.344	ug/l	97
40) Benzene	6.13	78	129801	20.490	ug/l	100
41) Methacrylonitrile	5.03	41	37411	19.000	ug/l	97
42) 1,2-Dichloroethane	6.18	62	57728	19.647	ug/l	100
43) Isopropyl Acetate	6.43	43	104855	19.105	ug/l	99
44) Trichloroethene	7.21	130	34811	20.890	ug/l	98
45) 1,2-Dichloropropane	7.51	63	38031	19.541	ug/l	100
46) Dibromomethane	7.65	93	25394	20.163	ug/l	97
47) Bromodichloromethane	7.89	83	55311	19.724	ug/l	97
48) Methyl methacrylate	7.76	41	48338	18.684	ug/l	97
49) 1,4-Dioxane	7.73	88	22228	353.007	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	343699	95.491	ug/l	99
52) Toluene	8.78	92	84340	20.661	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	56039	19.224	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	59843	19.829	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41575	19.769	ug/l	98
56) Ethyl methacrylate	9.17	69	64135	19.505	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67880	20.230	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	177850	104.492	ug/l	98
59) 2-Hexanone	9.48	43	262090	93.336	ug/l	99
60) Dibromochloromethane	9.57	129	42514	19.846	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39982	20.816	ug/l	100
64) Tetrachloroethene	9.33	164	30832	22.956	ug/l	95
65) Chlorobenzene	10.14	112	98113	20.281	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	41489	20.665	ug/l	98
67) Ethyl Benzene	10.24	91	168482	20.271	ug/l	99
68) m/p-Xylenes	10.35	106	124478	41.162	ug/l	99
69) o-Xylene	10.70	106	64522	20.747	ug/l	100
70) Styrene	10.71	104	113602	20.645	ug/l	99
71) Bromoform	10.85	173	28212	18.253	ug/l #	97
73) Isopropylbenzene	11.01	105	180830	20.651	ug/l	99
74) N-amyl acetate	10.89	43	89824	19.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	67095	19.533	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	76579	23.888	ug/l	87
77) Bromobenzene	11.25	156	44001	20.604	ug/l	99
78) n-propylbenzene	11.35	91	195219	20.003	ug/l	98
79) 2-Chlorotoluene	11.42	91	126737	19.961	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	154062	20.630	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	18639	18.069	ug/l	89
82) 4-Chlorotoluene	11.51	91	145955	20.030	ug/l	99
83) tert-Butylbenzene	11.76	119	156037	19.499	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	156443	20.403	ug/l	98
85) sec-Butylbenzene	11.94	105	175570	19.911	ug/l	100
86) p-Isopropyltoluene	12.06	119	160054	19.767	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81532	20.296	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82980	20.109	ug/l	98
89) n-Butylbenzene	12.38	91	134743	18.651	ug/l	99
90) Hexachloroethane	12.59	117	27548	18.555	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	84634	20.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16638	18.683	ug/l	98

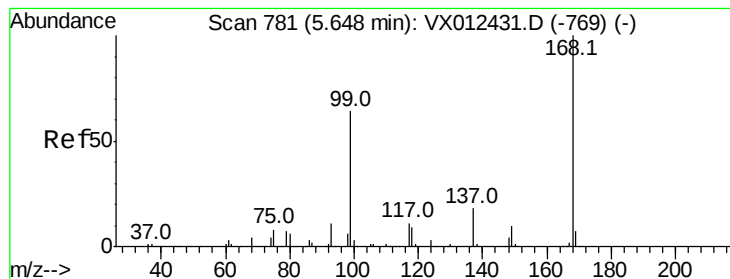
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51507	19.045	ug/l	97
94) Hexachlorobutadiene	13.78	225	23152	18.164	ug/l	99
95) Naphthalene	13.83	128	191684	19.920	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	54925	19.930	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

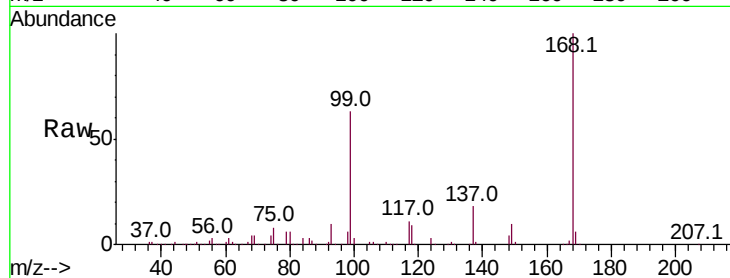
VX0919MBS01

Tot Ion:168 Resp: 198058

Ion Ratio Lower Upper

168 100

99 62.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

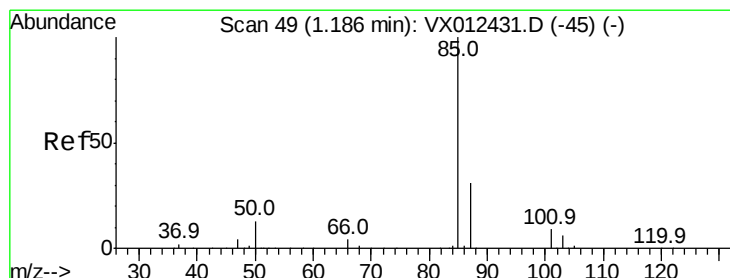
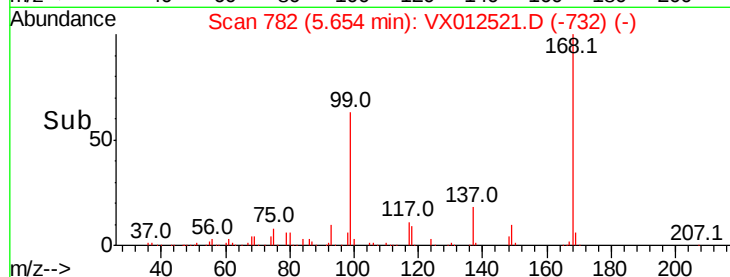
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.890 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012521.D

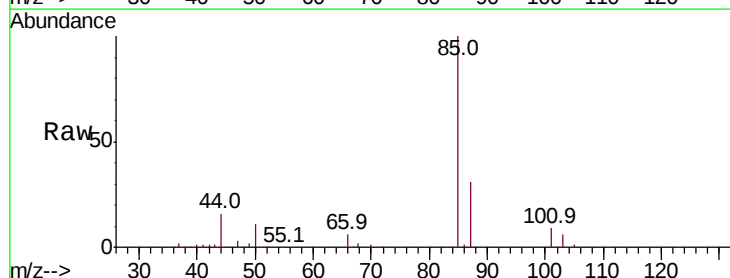
Acq: 19 Sep 2019 12:27

Tgt Ion: 85 Resp: 24637

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

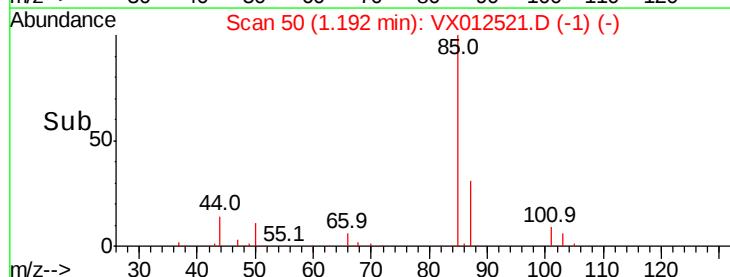
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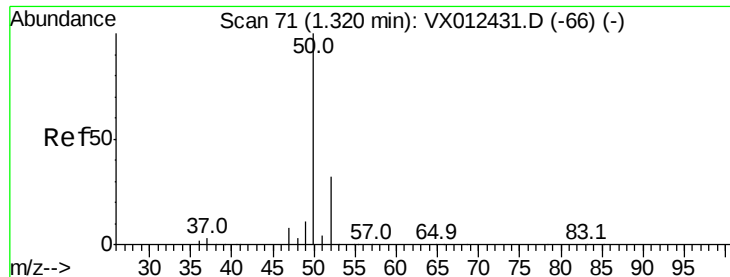
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.923 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

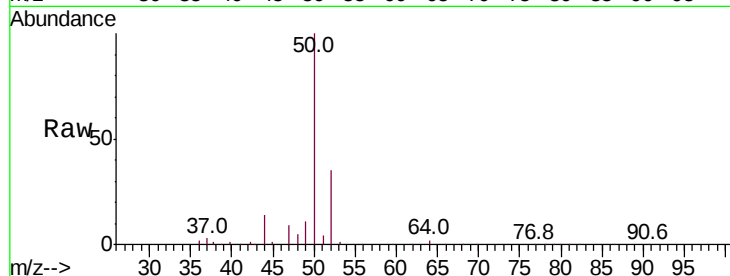
VX0919MBS01

Tot Ion: 50 Resp: 20605

Ion Ratio Lower Upper

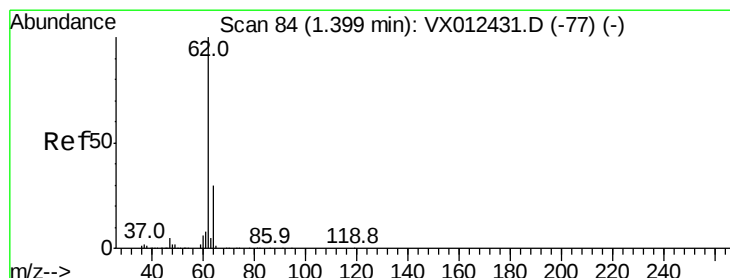
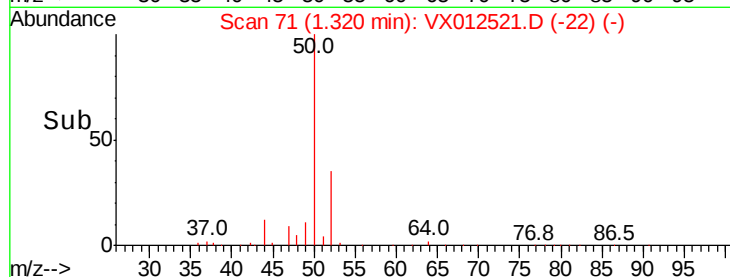
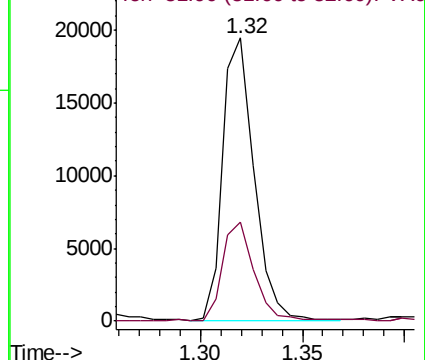
50 100

52 34.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.477 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012521.D

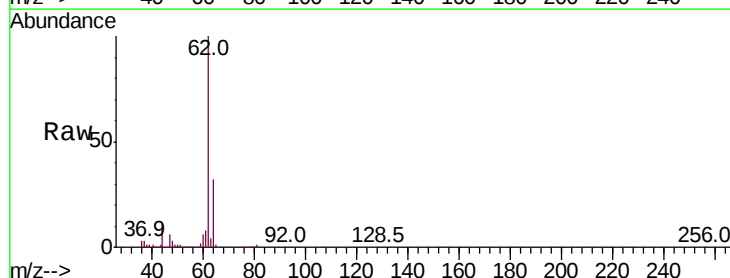
Acq: 19 Sep 2019 12:27

Tgt Ion: 62 Resp: 22922

Ion Ratio Lower Upper

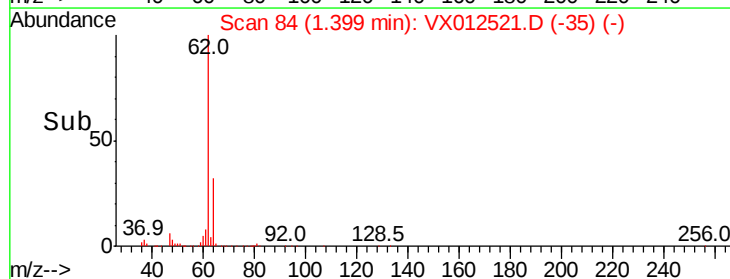
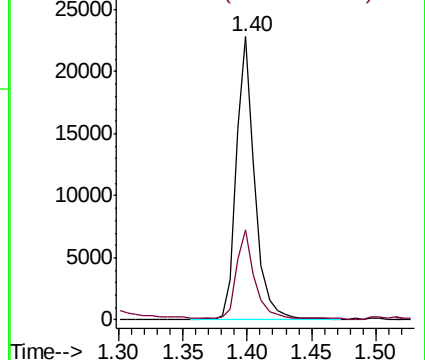
62 100

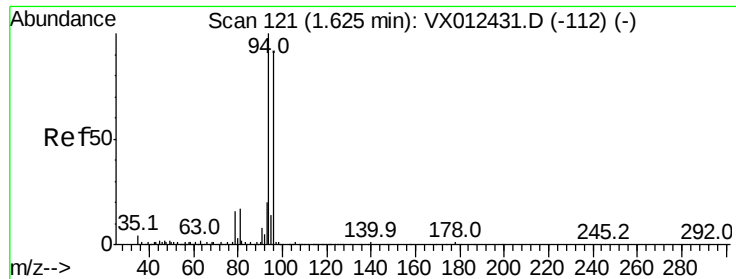
64 30.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.193 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

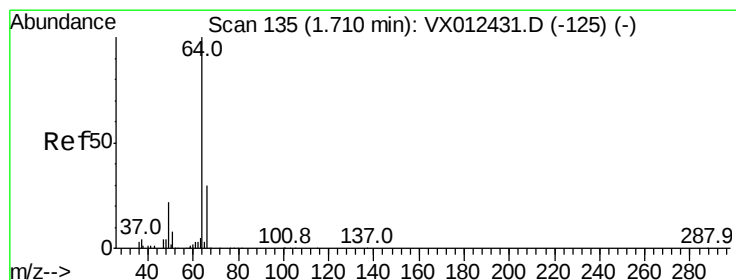
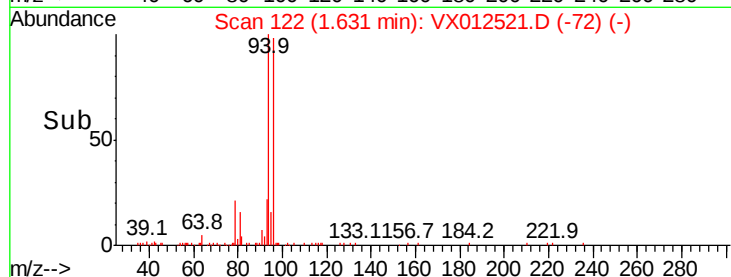
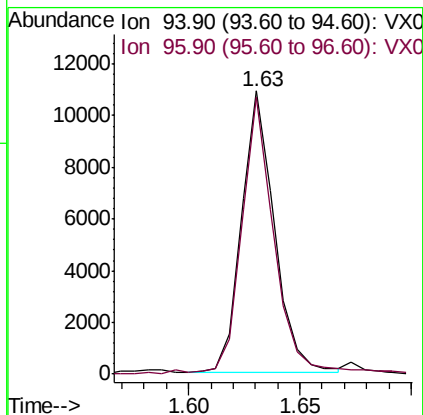
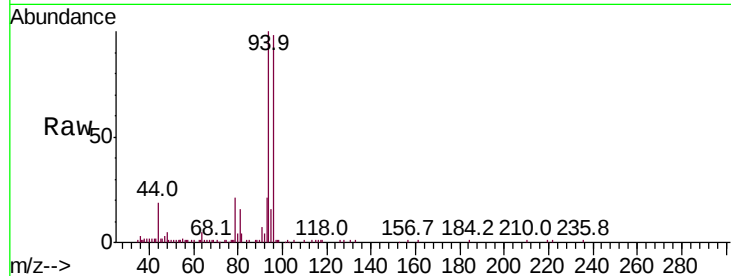
VX0919MBS01

Tot Ion: 94 Resp: 11186

Ion Ratio Lower Upper

94 100

96 98.0 72.8 109.2



#6

Chloroethane

Concen: 18.153 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012521.D

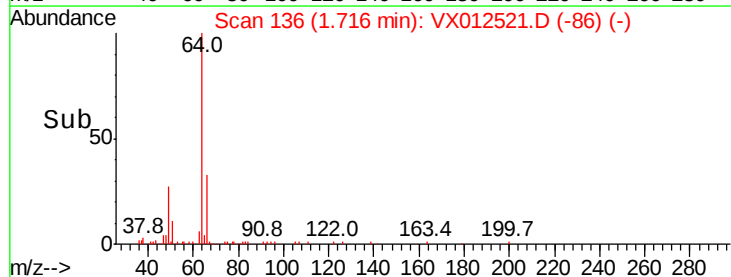
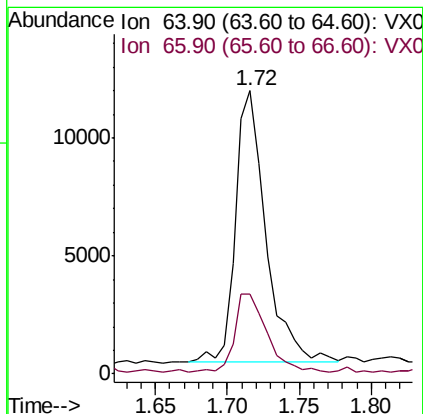
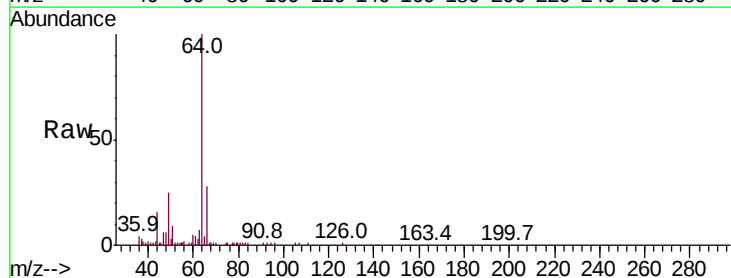
Acq: 19 Sep 2019 12:27

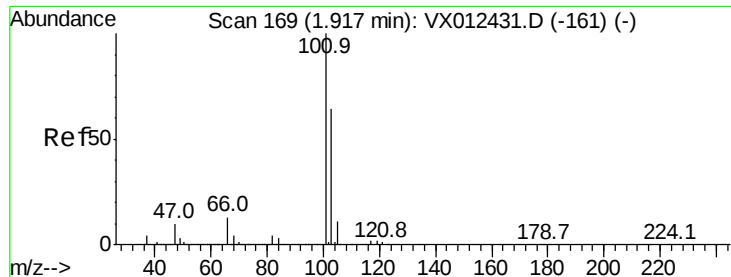
Tgt Ion: 64 Resp: 16718

Ion Ratio Lower Upper

64 100

66 28.7 24.0 36.0



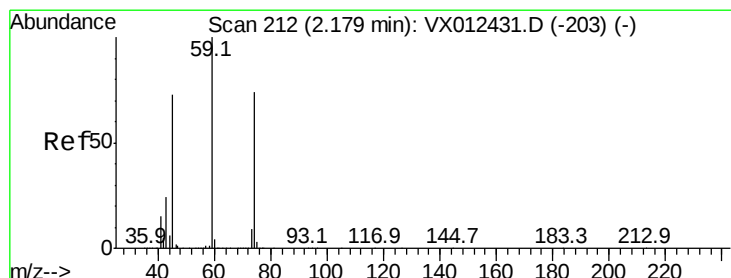
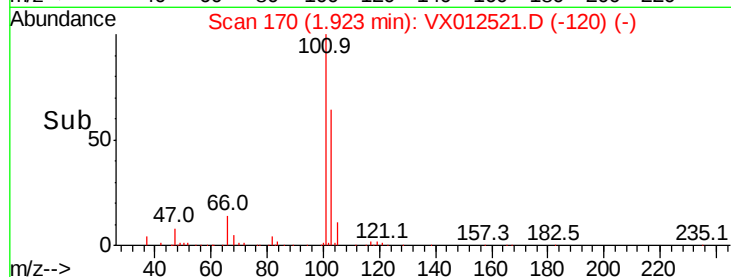
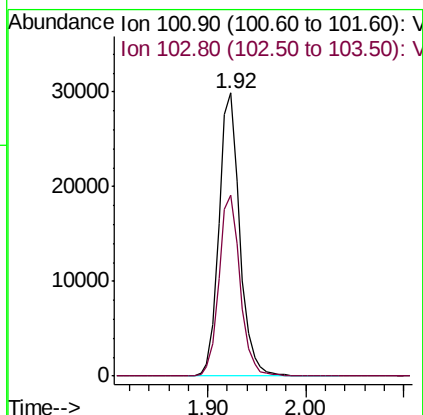
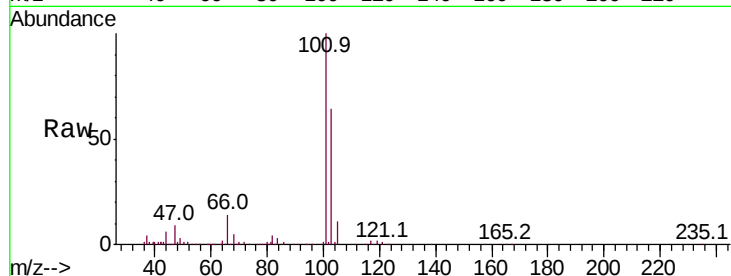


#7

Trichlorofluoromethane
Concen: 20.464 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

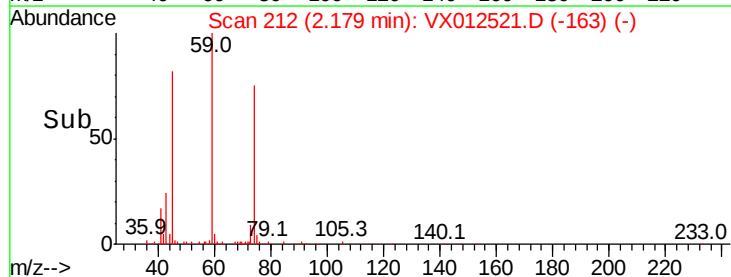
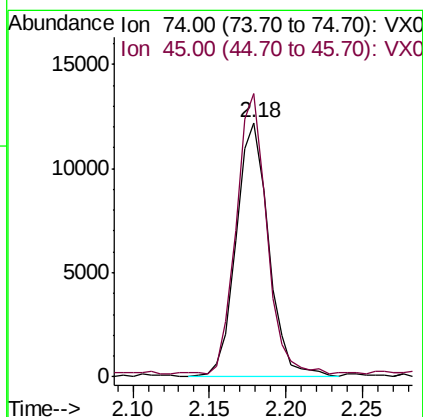
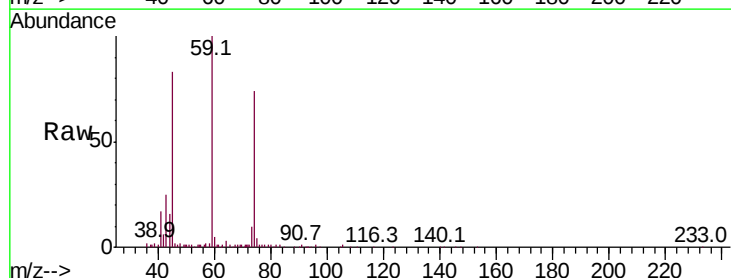
Tot Ion:101 Resp: 44149
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.4

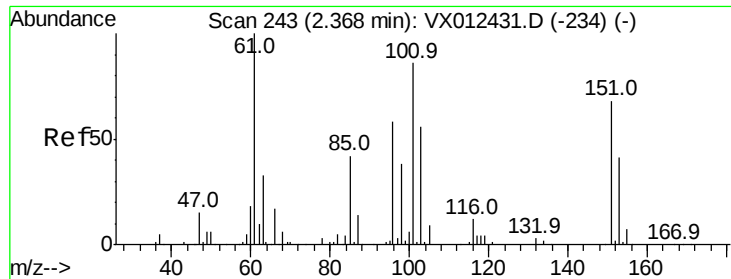


#8

Diethyl Ether
Concen: 18.538 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 74 Resp: 18064
Ion Ratio Lower Upper
74 100
45 102.7 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.884 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

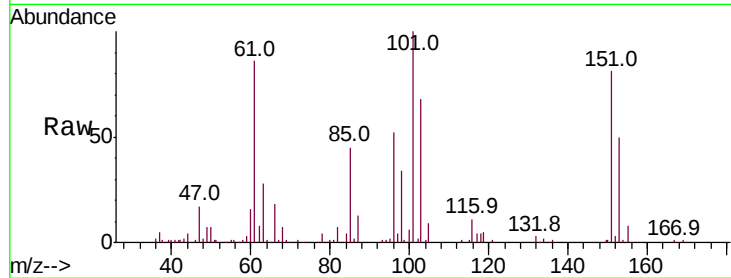
Tot Ion:101 Resp: 31038

Ion Ratio Lower Upper

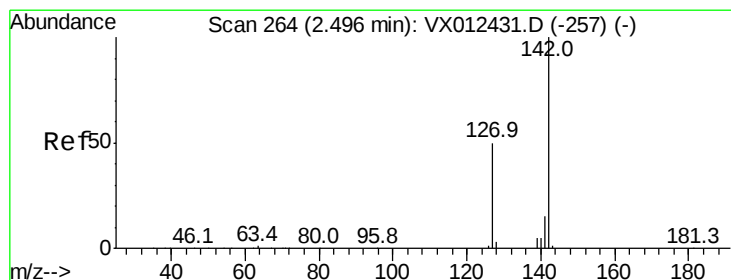
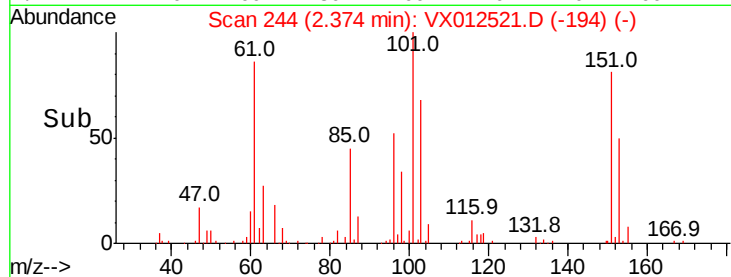
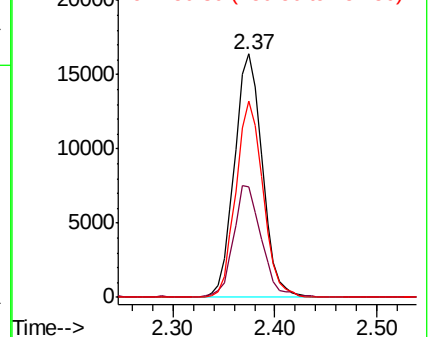
101 100

85 45.9 37.3 55.9

151 78.4 61.0 91.4



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: 19.345 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

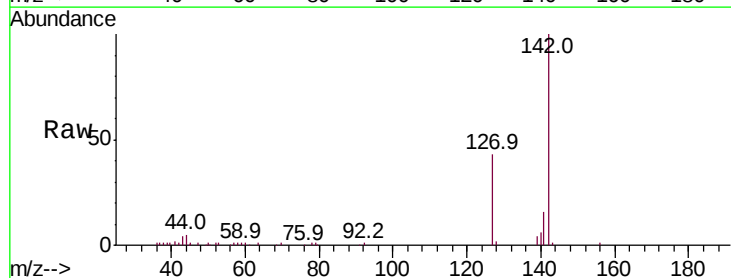
Tgt Ion:142 Resp: 21909

Ion Ratio Lower Upper

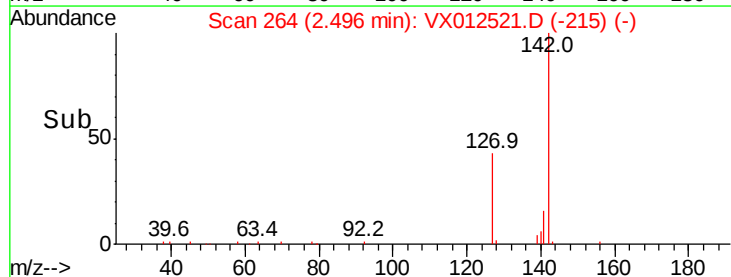
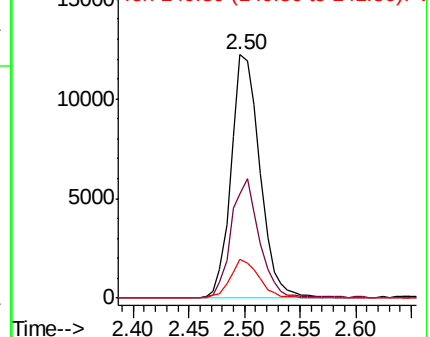
142 100

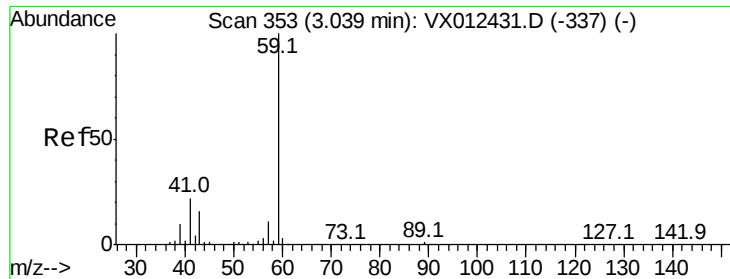
127 47.9 40.8 61.2

141 15.6 12.1 18.1



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



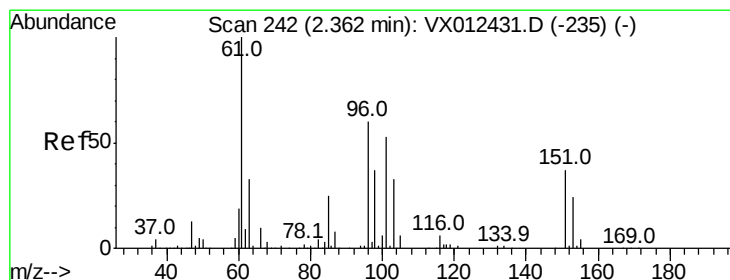
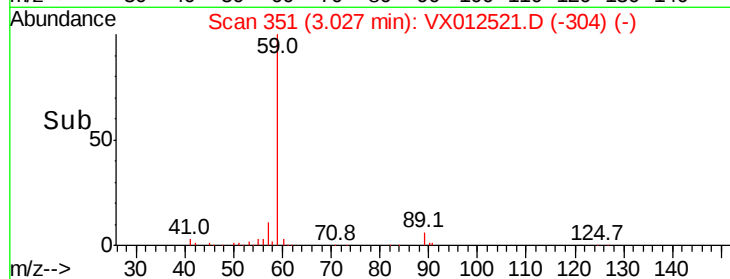
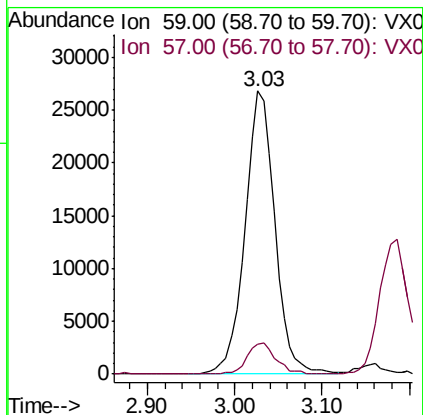
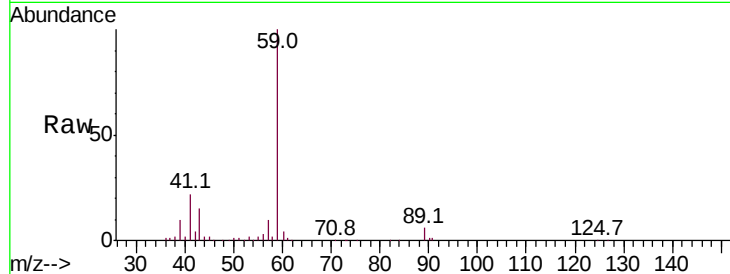


#11

Tert butyl alcohol
 Concen: 84.526 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

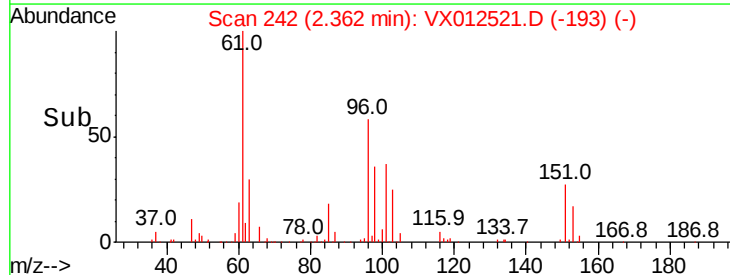
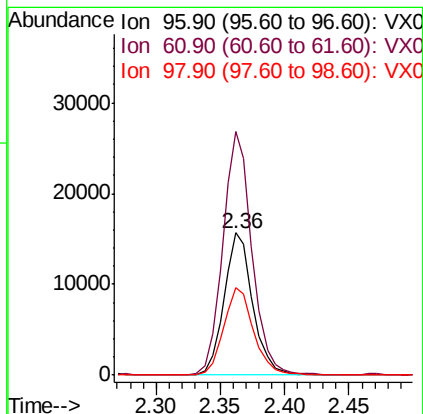
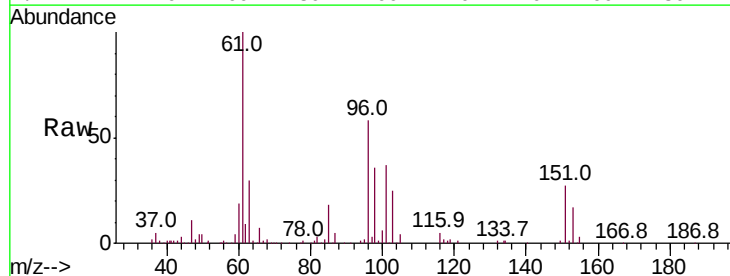
Tot Ion: 59 Resp: 63643
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

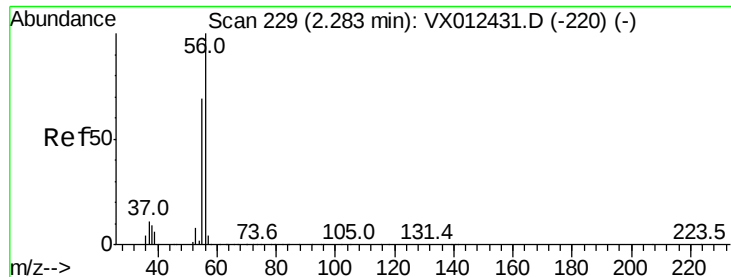


#12

1,1-Dichloroethene
 Concen: 19.692 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion: 96 Resp: 24520
 Ion Ratio Lower Upper
 96 100
 61 170.9 133.8 200.6
 98 61.3 49.9 74.9





#13

Acrolein

Concen: 64.832 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

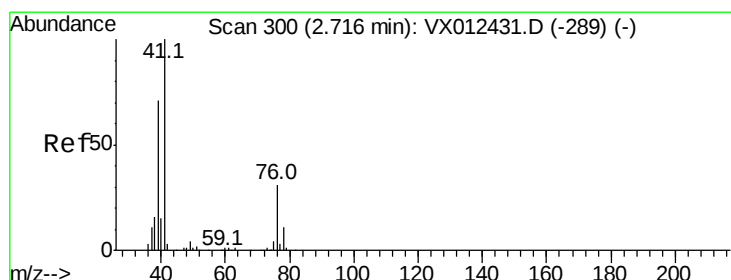
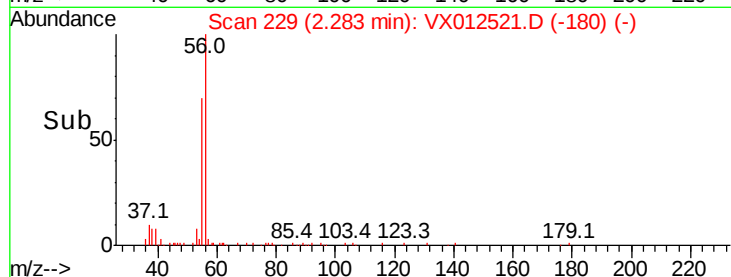
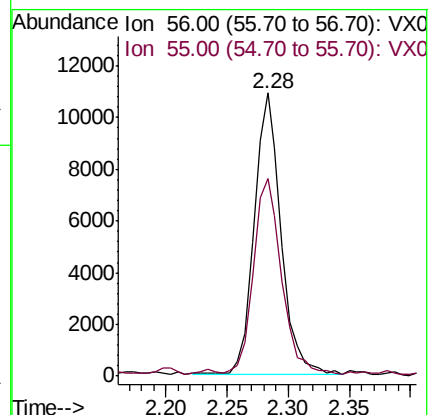
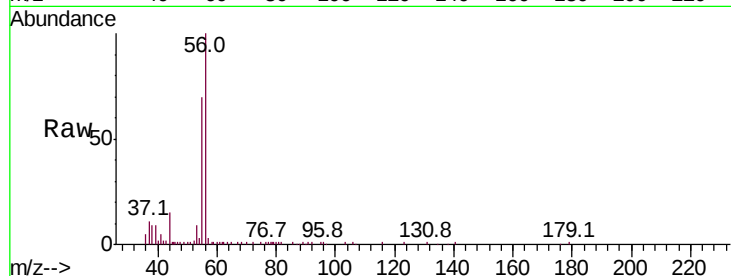
VX0919MBS01

Tot Ion: 56 Resp: 16470

Ion Ratio Lower Upper

56 100

55 73.4 55.8 83.8



#14

Allyl chloride

Concen: 19.245 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

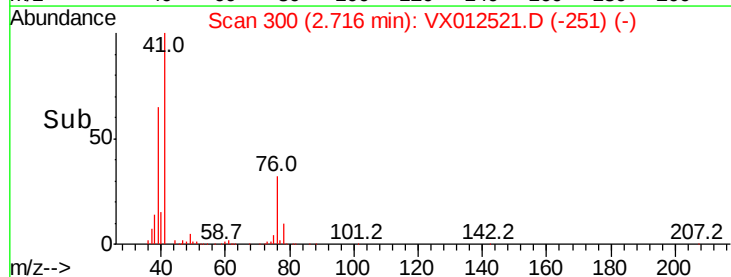
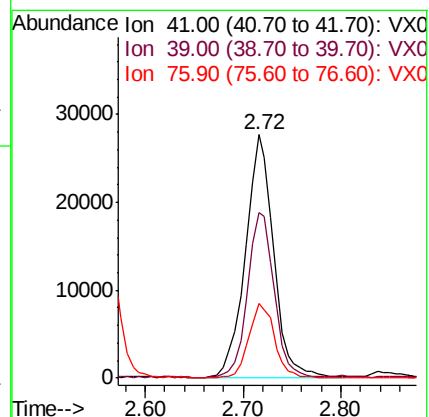
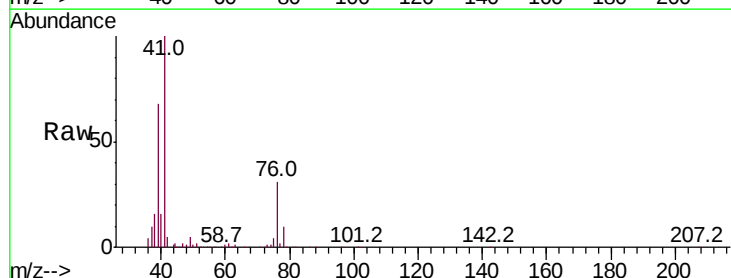
Tgt Ion: 41 Resp: 55791

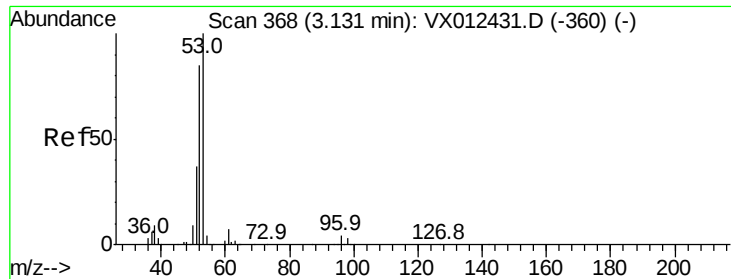
Ion Ratio Lower Upper

41 100

39 63.1 51.3 76.9

76 27.8 22.6 33.8





#15

Acrylonitrile

Concen: 94.591 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

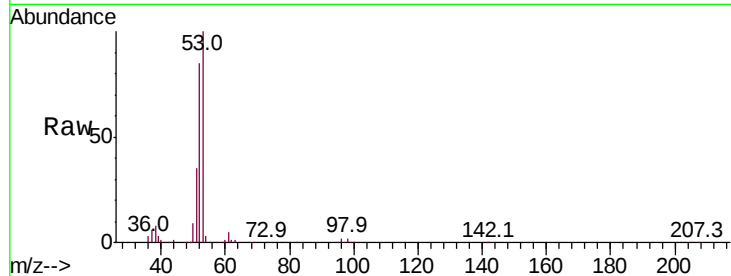
Tot Ion: 53 Resp: 116352

Ion Ratio Lower Upper

53 100

52 83.8 67.0 100.4

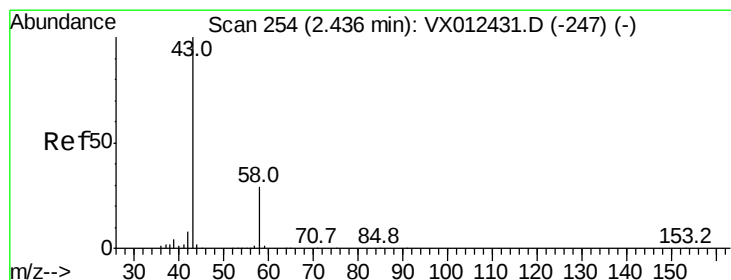
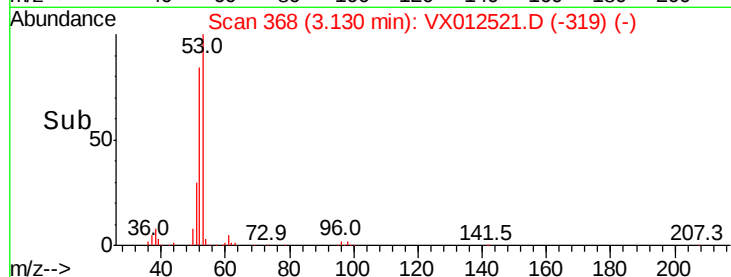
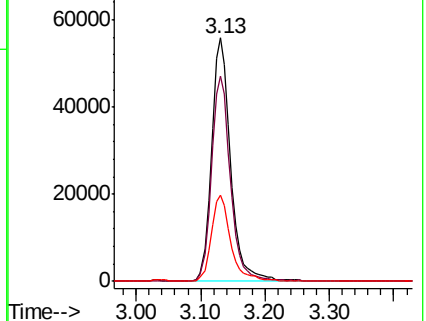
51 36.3 29.6 44.4



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: 90.452 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012521.D

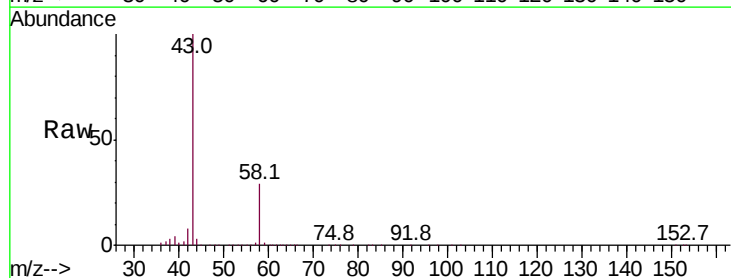
Acq: 19 Sep 2019 12:27

Tgt Ion: 43 Resp: 123906

Ion Ratio Lower Upper

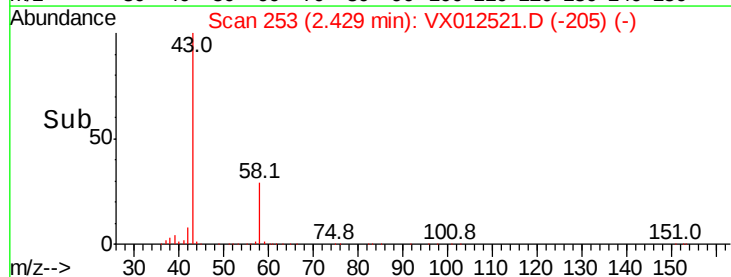
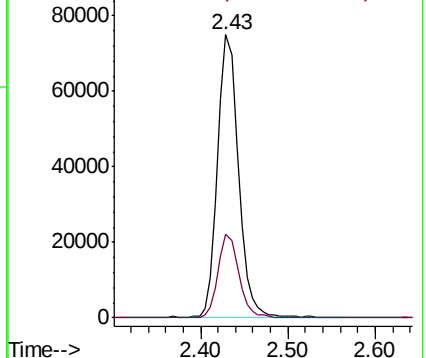
43 100

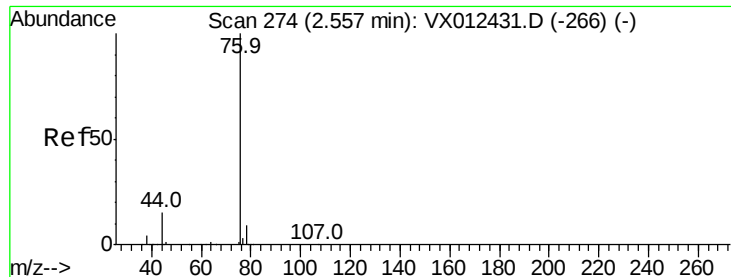
58 29.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.565 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

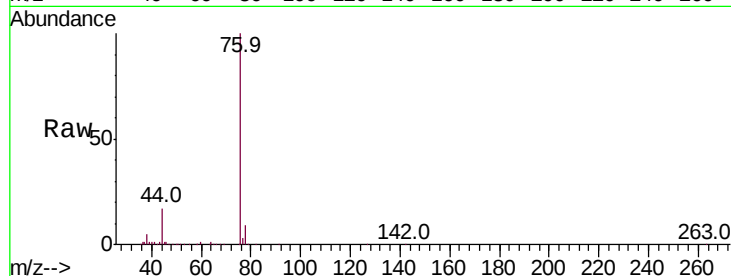
VX0919MBS01

Tot Ion: 76 Resp: 30618

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

20000

15000

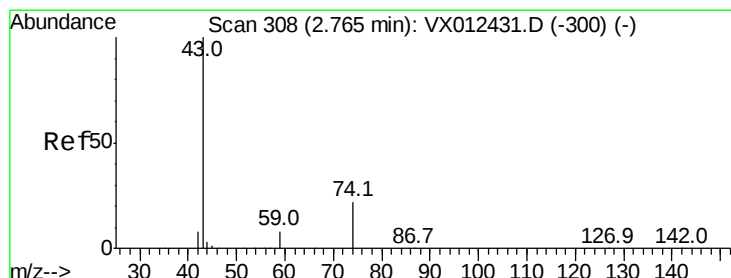
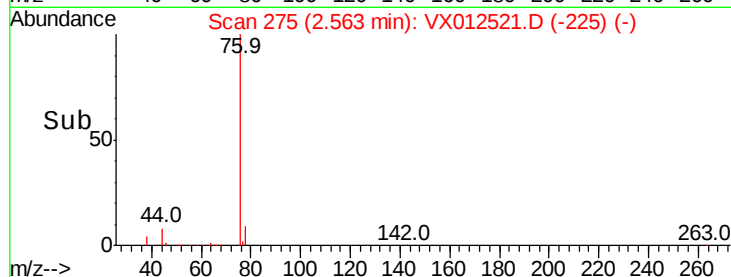
10000

5000

0

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 19.484 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012521.D

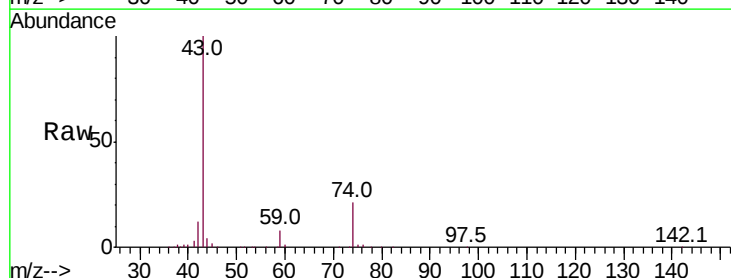
Acq: 19 Sep 2019 12:27

Tgt Ion: 43 Resp: 57630

Ion Ratio Lower Upper

43 100

74 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

30000

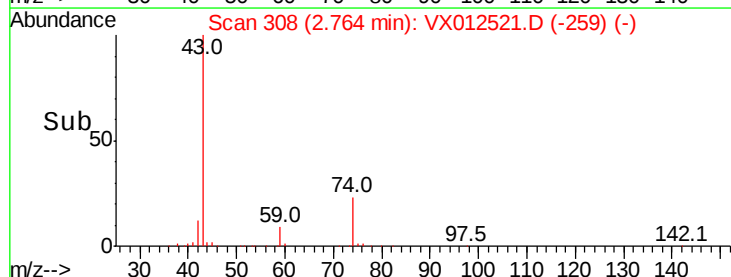
20000

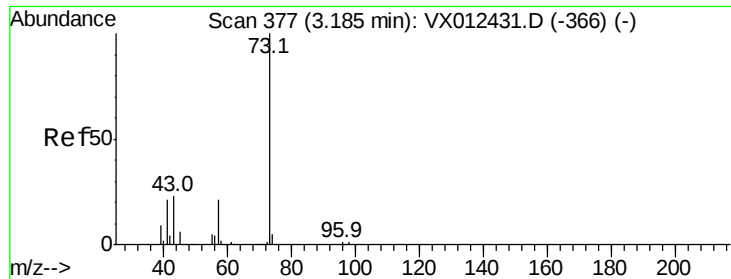
10000

0

2.70 2.80 2.90

Time-->

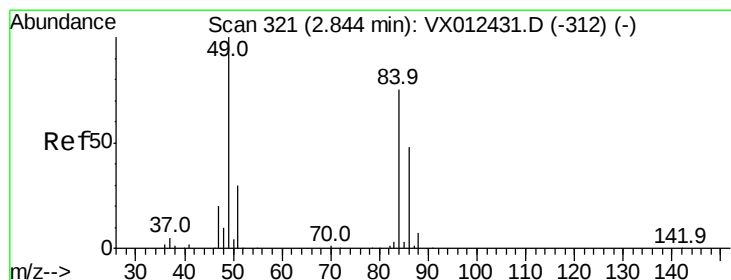
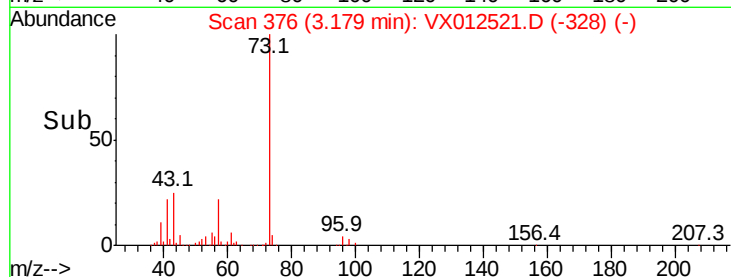
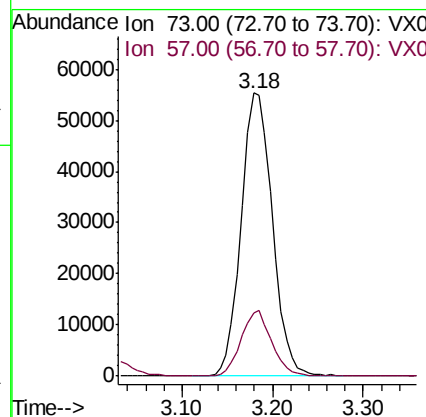
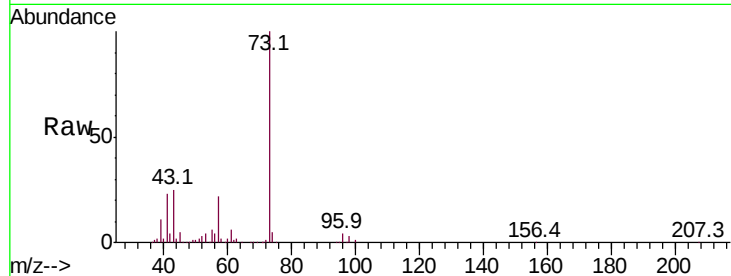




#19
Methvl tert-butvl Ether
Concen: 19.510 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

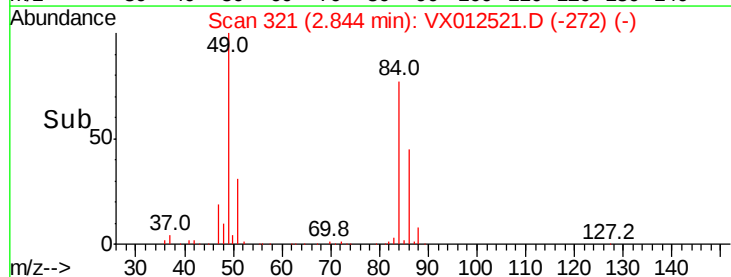
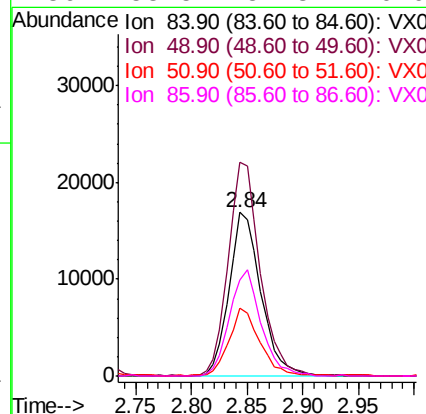
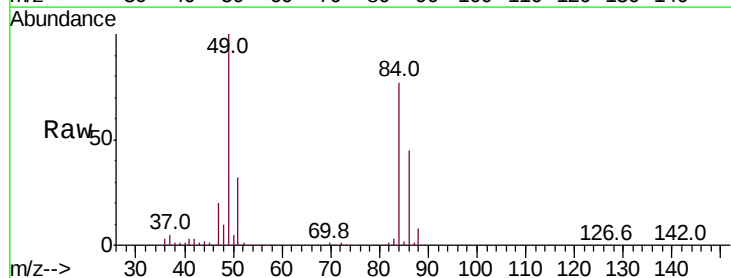
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

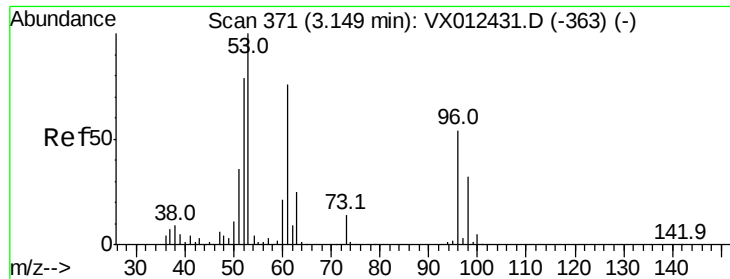
Tot Ion: 73 Resp: 132460
Ion Ratio Lower Upper
73 100
57 22.1 16.8 25.2



#20
Methylene Chloride
Concen: 19.491 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 84 Resp: 33484
Ion Ratio Lower Upper
84 100
49 130.5 106.8 160.2
51 40.8 32.3 48.5
86 58.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.550 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

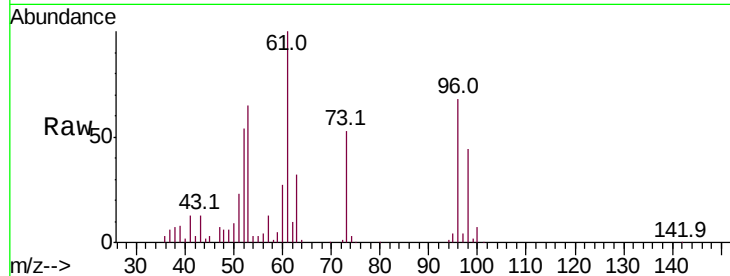
Tot Ion: 96 Resp: 25279

Ion Ratio Lower Upper

96 100

61 146.6 112.0 168.0

98 64.2 47.8 71.8

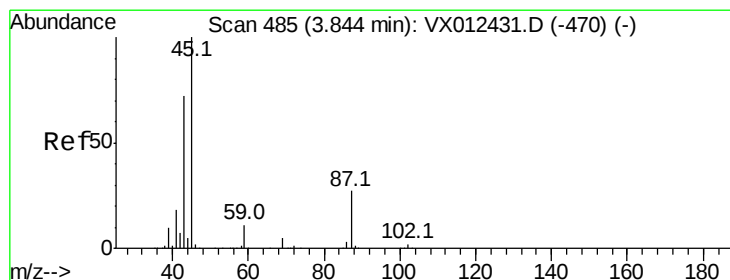
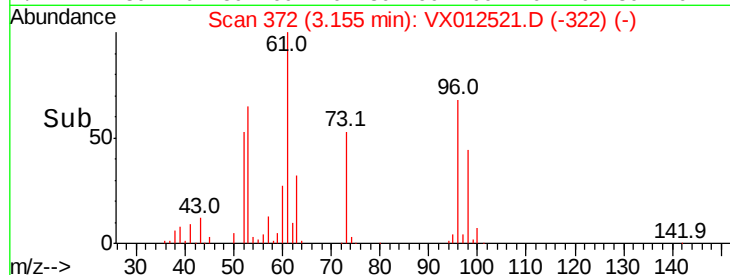
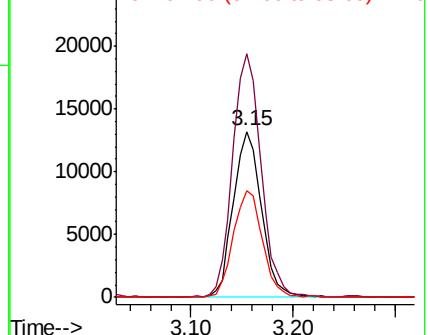


Abundance

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



#22

Diisopropyl ether

Concen: 19.197 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion: 45 Resp: 130306

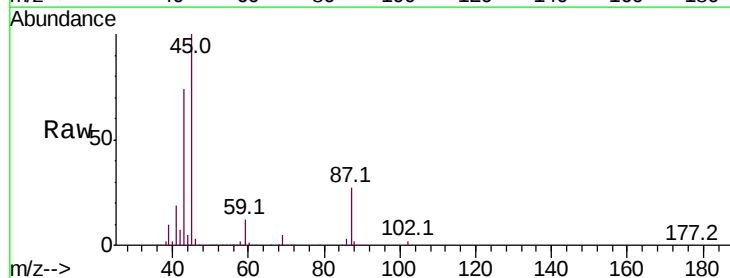
Ion Ratio Lower Upper

45 100

43 73.2 57.8 86.8

87 27.3 21.3 31.9

59 12.1 8.5 12.7



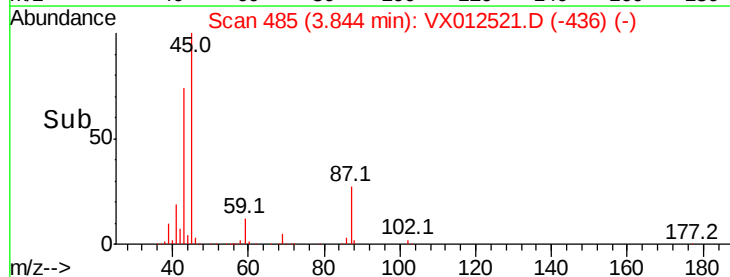
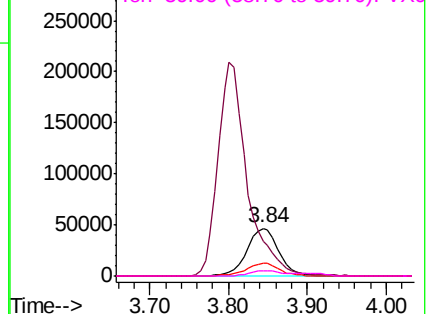
Abundance

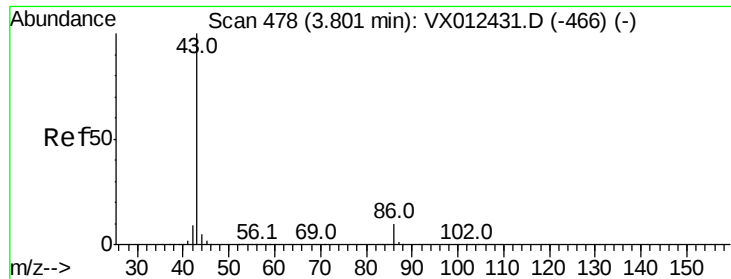
Ion 45.00 (44.70 to 45.70): VX0

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

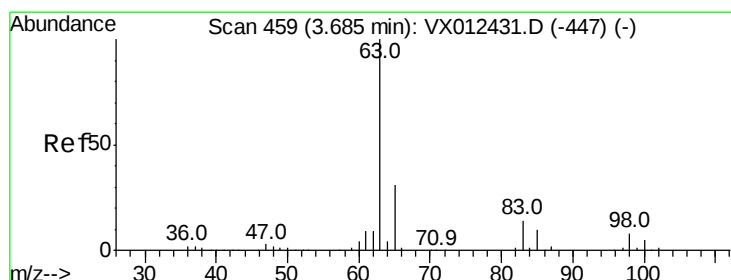
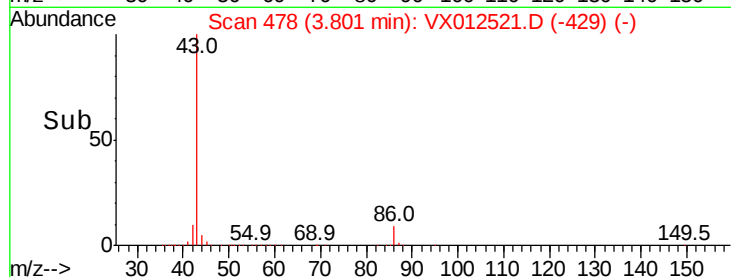
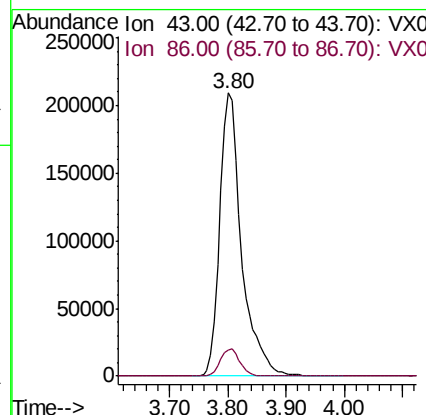
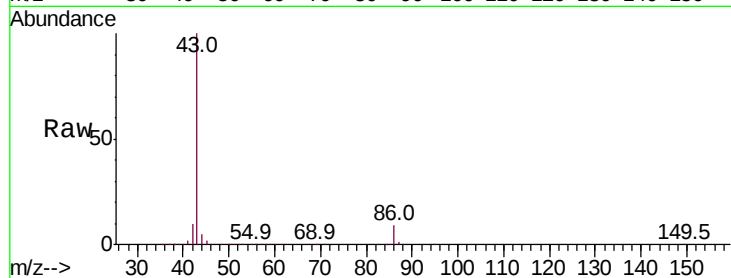




#23
 Vinyl Acetate
 Concen: 97.147 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

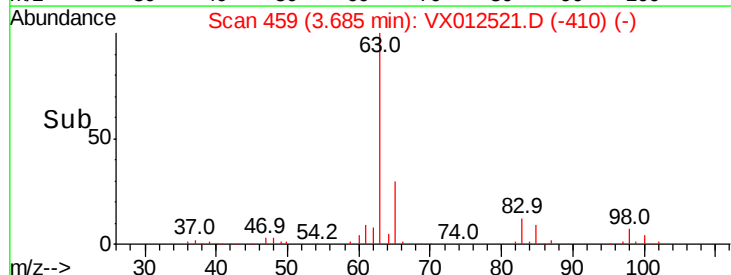
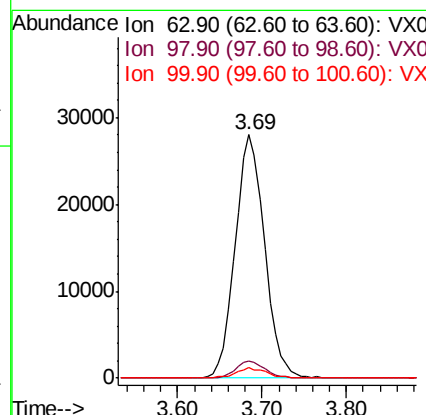
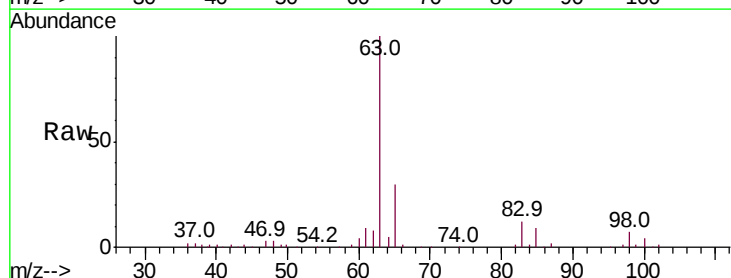
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

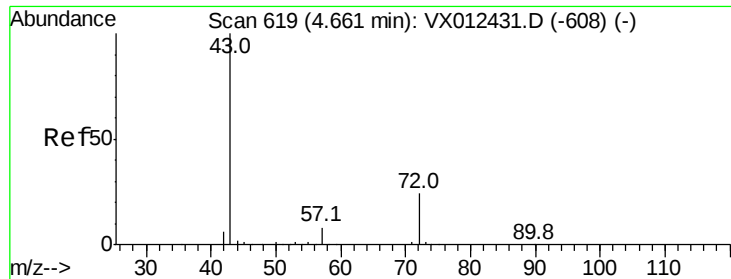
Tot Ion: 43 Resp: 542438
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 20.368 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion: 63 Resp: 66150
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.9 11.7
 100 4.5 2.3 6.9





#25

2-Butanone

Concen: 89.727 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

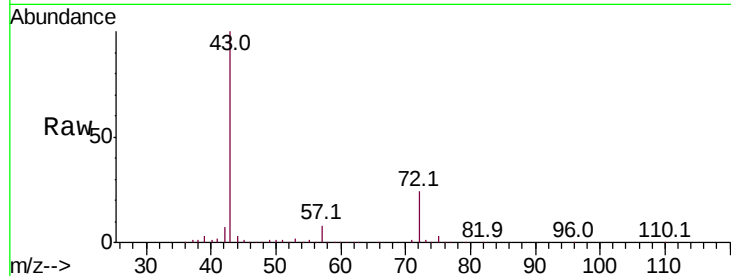
VX0919MBS01

Tot Ion: 43 Resp: 176674

Ion Ratio Lower Upper

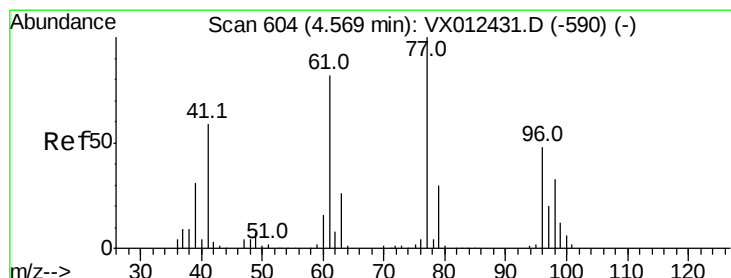
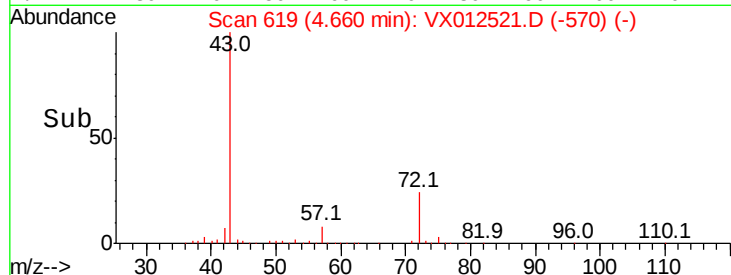
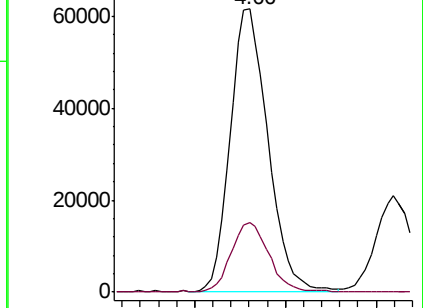
43 100

72 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.533 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012521.D

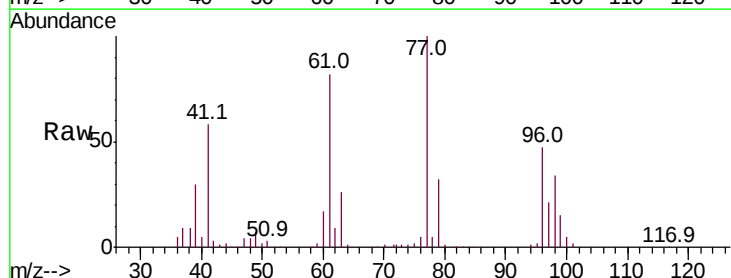
Acq: 19 Sep 2019 12:27

Tgt Ion: 77 Resp: 59195

Ion Ratio Lower Upper

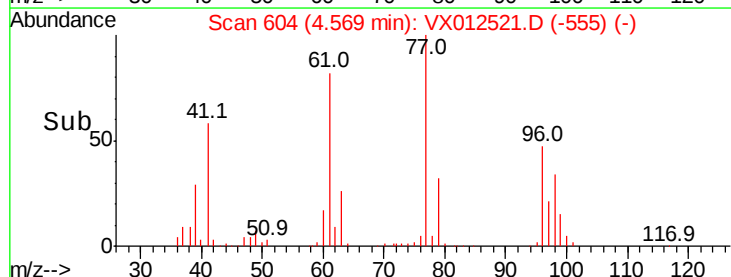
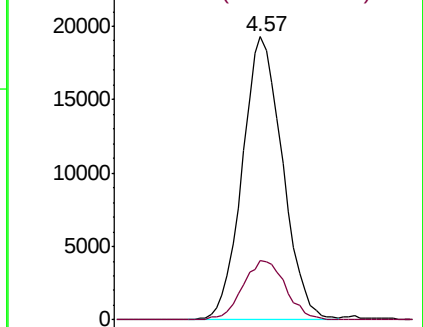
77 100

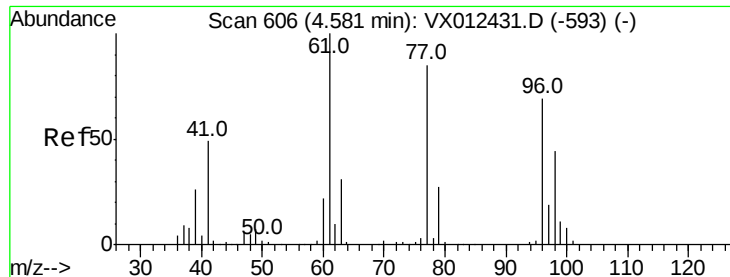
97 22.4 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

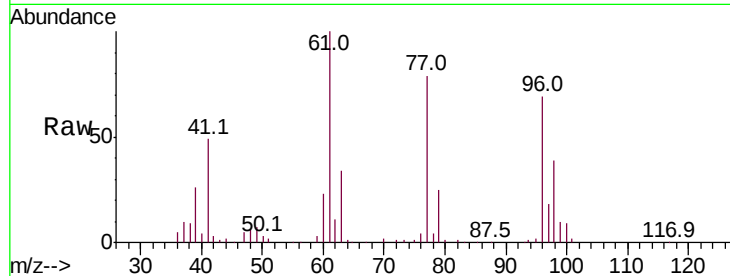




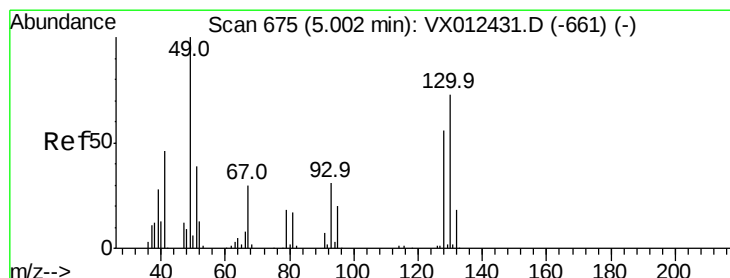
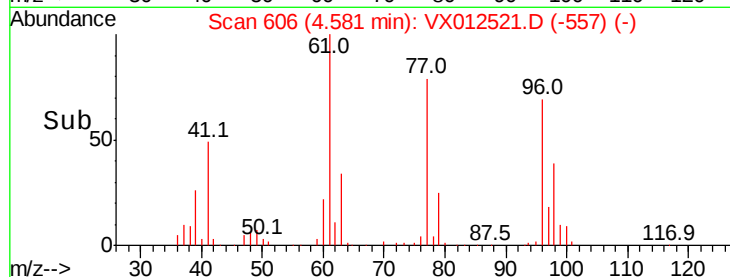
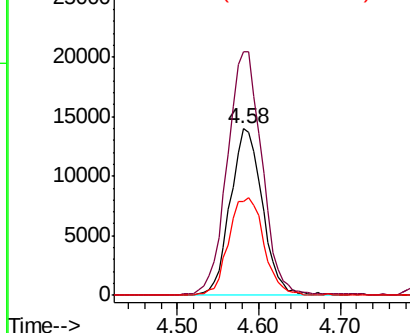
#27
 cis-1,2-Dichloroethene
 Concen: 19.716 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBS01

Tot Ion: 96 Resp: 38083
 Ion Ratio Lower Upper
 96 100
 61 158.1 0.0 319.4
 98 64.1 0.0 130.6

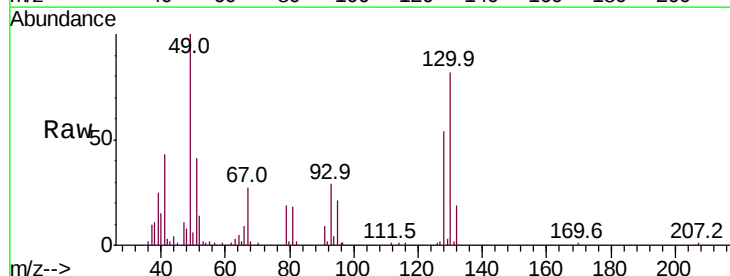


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

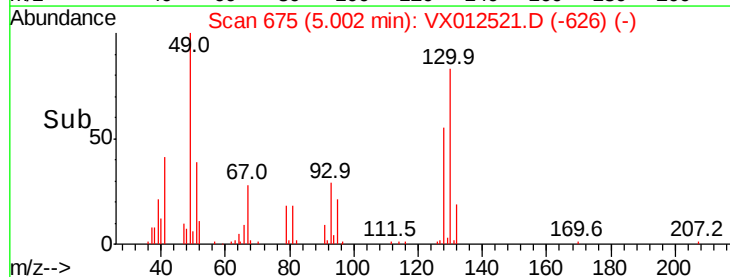
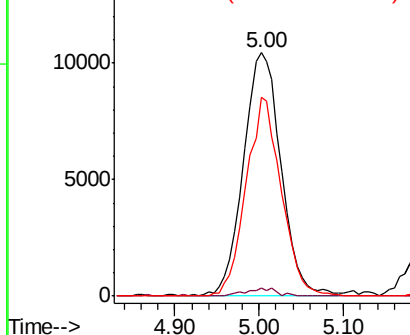


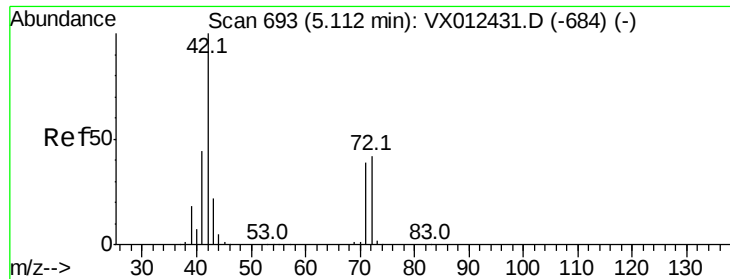
#28
 Bromochloromethane
 Concen: 18.935 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion: 49 Resp: 31703
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 3.8
 130 76.5 58.2 87.4



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: 95.201 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

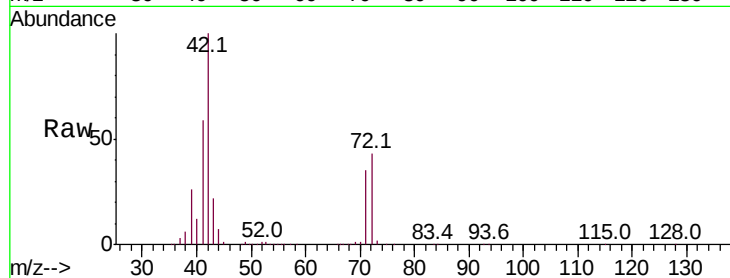
Tot Ion: 42 Resp: 103556

Ion Ratio Lower Upper

42 100

72 43.9 34.0 51.0

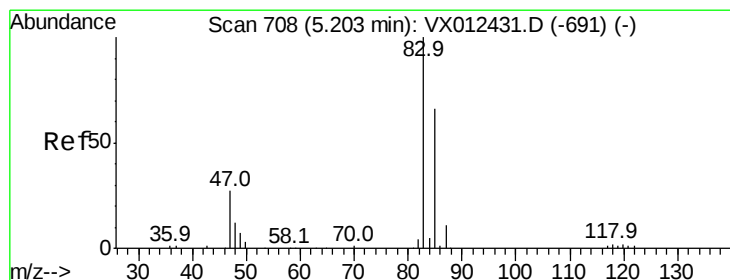
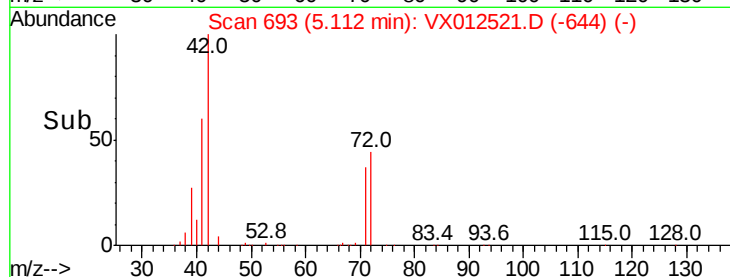
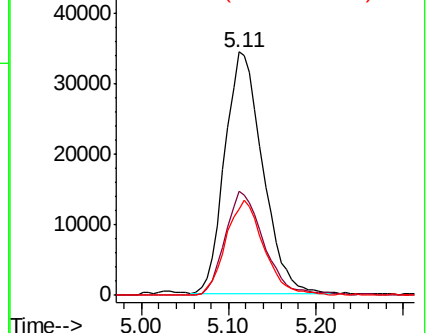
71 39.3 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.506 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012521.D

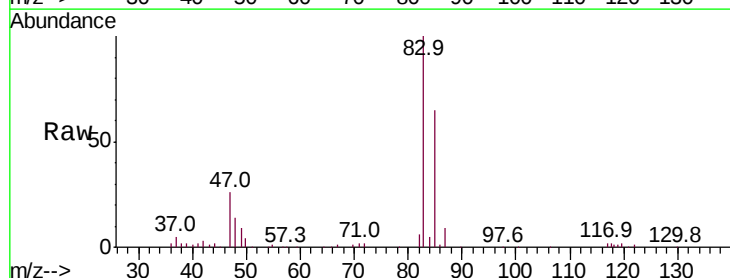
Acq: 19 Sep 2019 12:27

Tgt Ion: 83 Resp: 72755

Ion Ratio Lower Upper

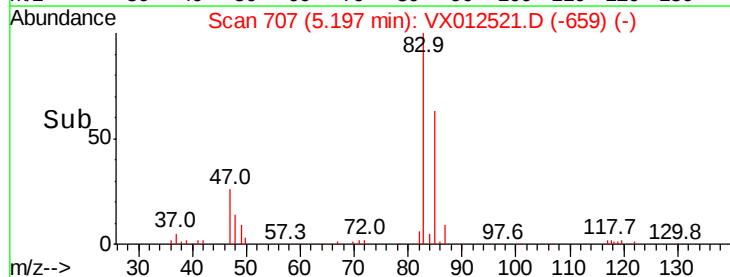
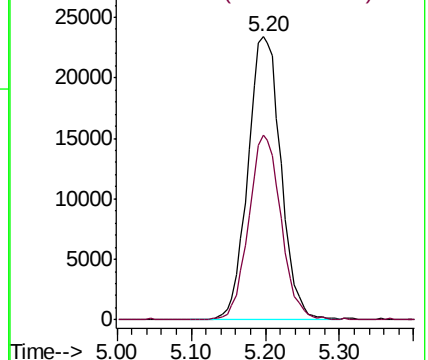
83 100

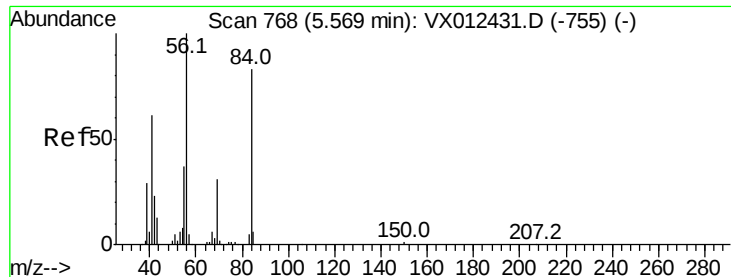
85 65.4 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

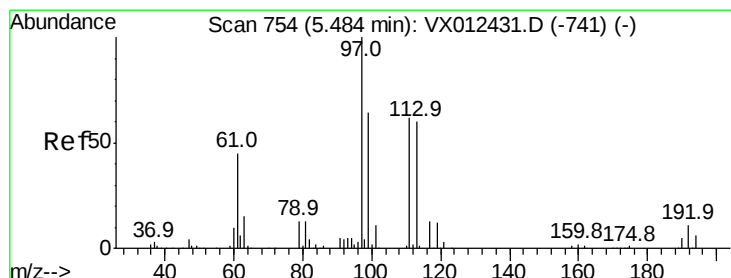
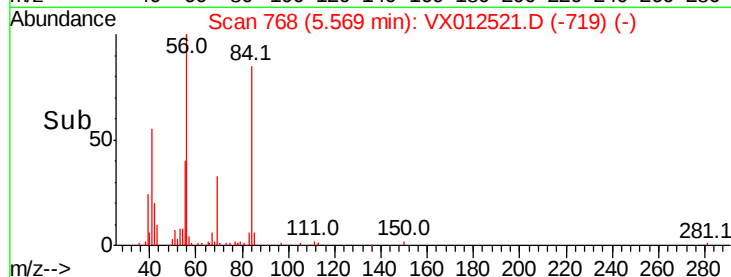
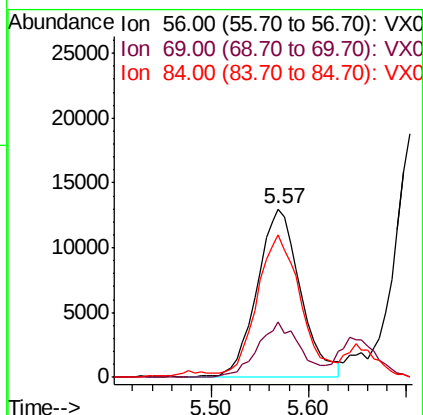
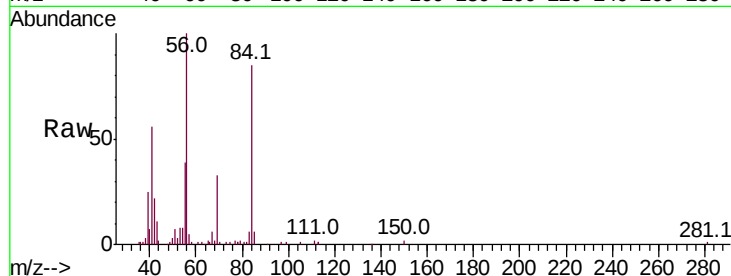




#31
Cyclohexane
Concen: 20.470 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

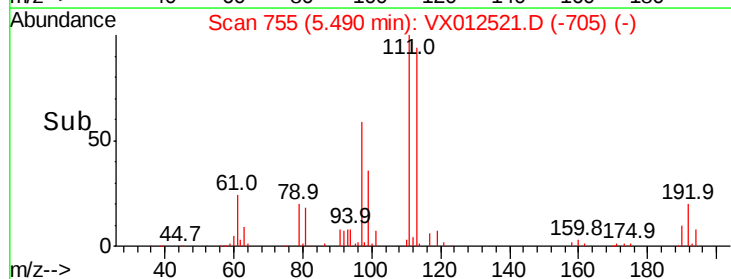
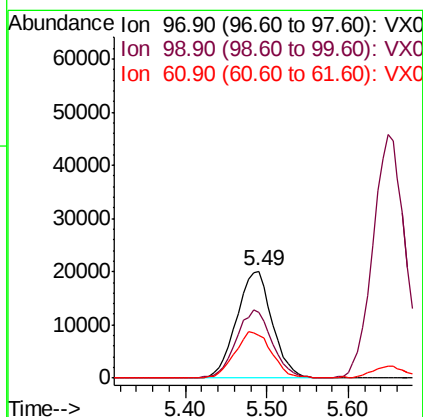
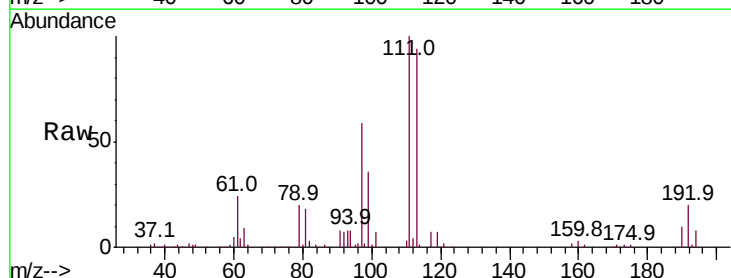
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

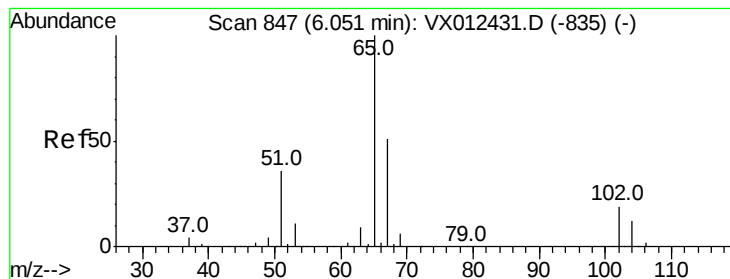
Tot Ion: 56 Resp: 40131
Ion Ratio Lower Upper
56 100
69 32.8 25.0 37.6
84 81.0 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 19.581 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 97 Resp: 61041
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 44.9 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 45.946 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

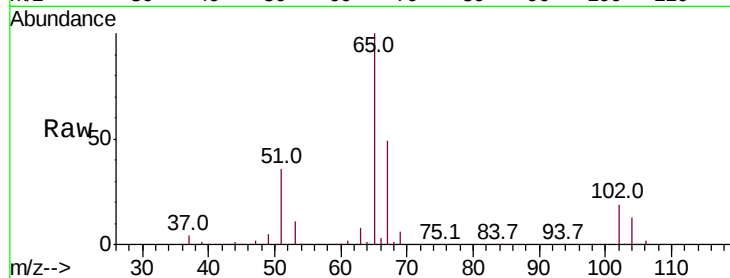
VX0919MBS01

Tot Ion: 65 Resp: 130422

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

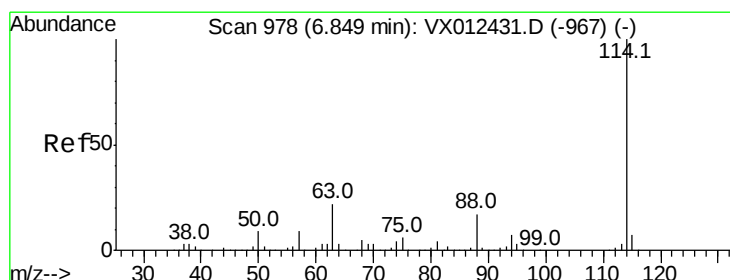
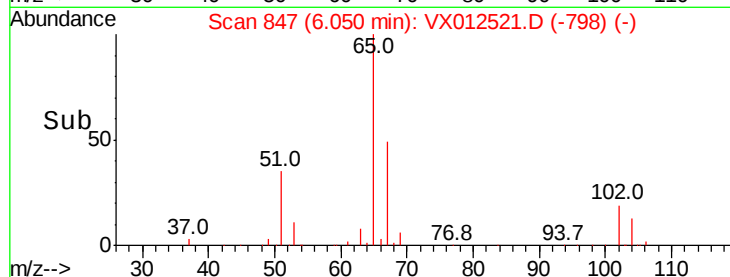
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

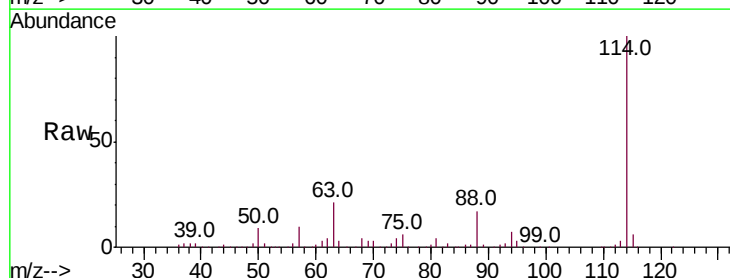
Tgt Ion:114 Resp: 327788

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 16.9 0.0 33.2



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

6.85

150000

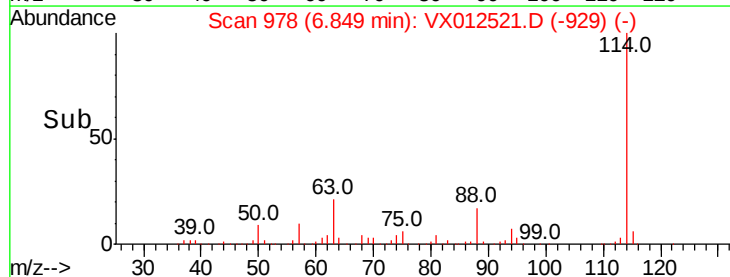
100000

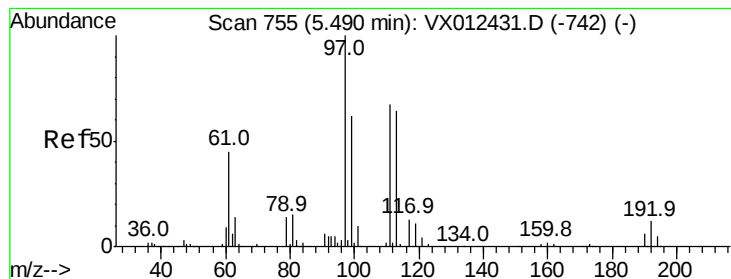
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.132 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

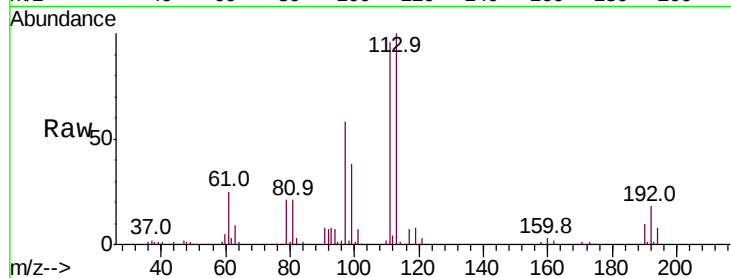
Tot Ion:113 Resp: 95493

Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.2

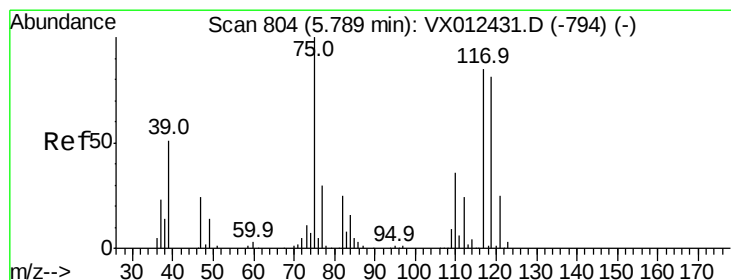
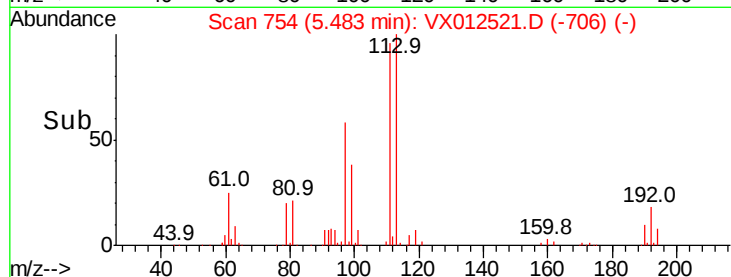
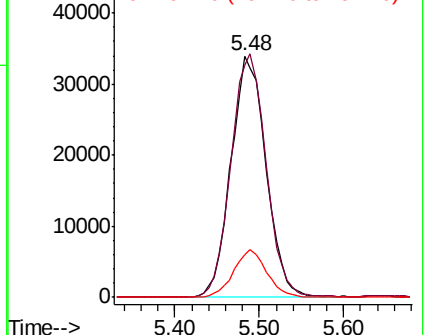
192 18.6 14.4 21.6



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: 19.338 ug/l

RT: 5.79 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

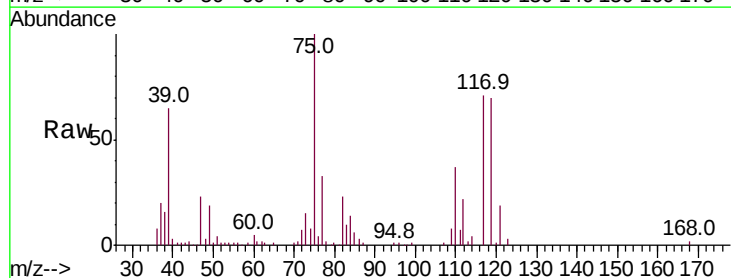
Tgt Ion: 75 Resp: 38524

Ion Ratio Lower Upper

75 100

110 35.7 16.7 50.0

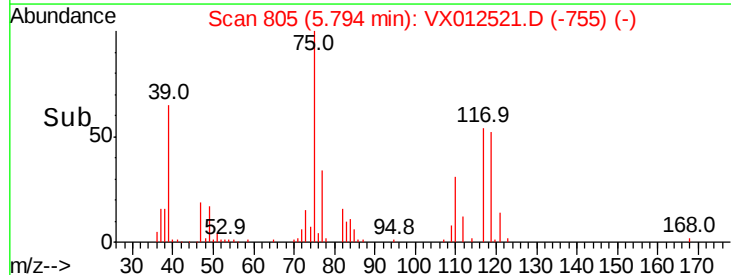
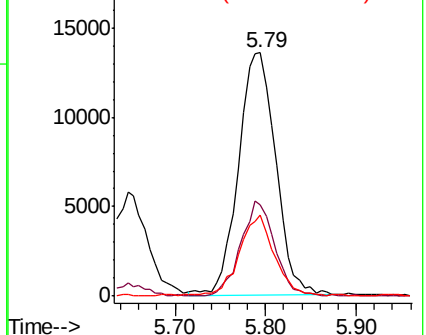
77 32.0 24.2 36.2

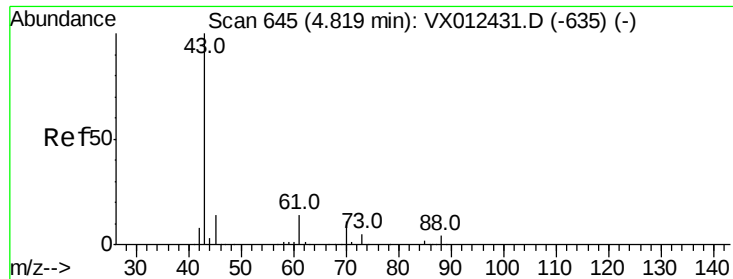


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

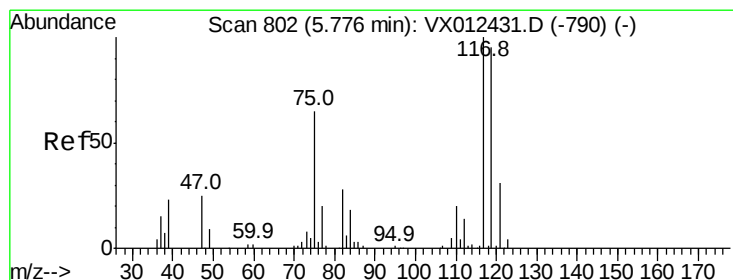
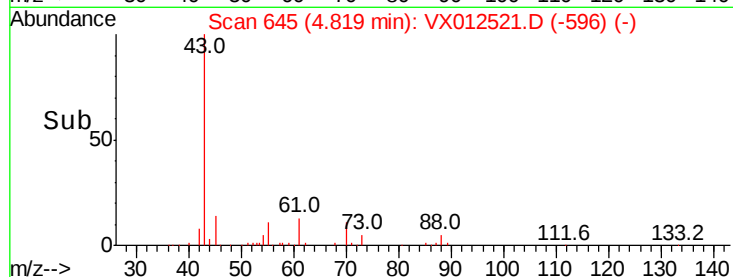
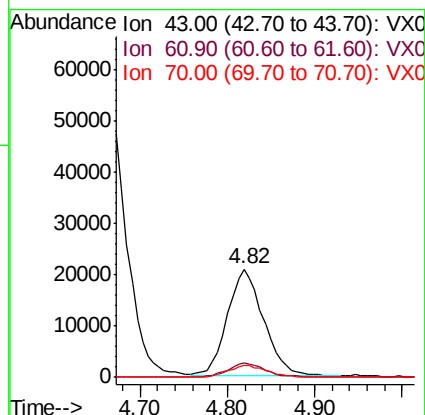
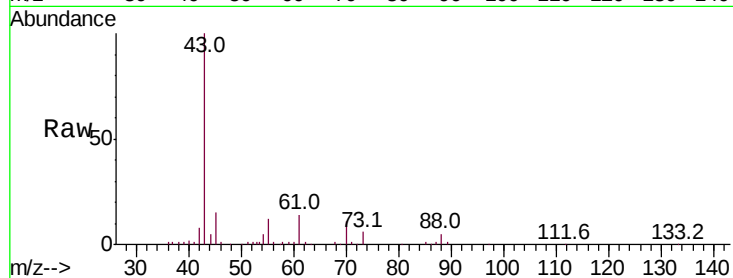




#37
Ethyl Acetate
Concen: 19.720 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

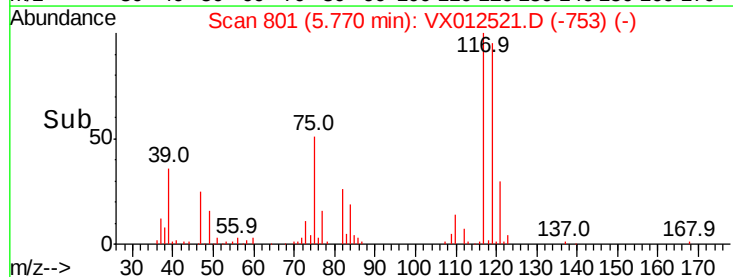
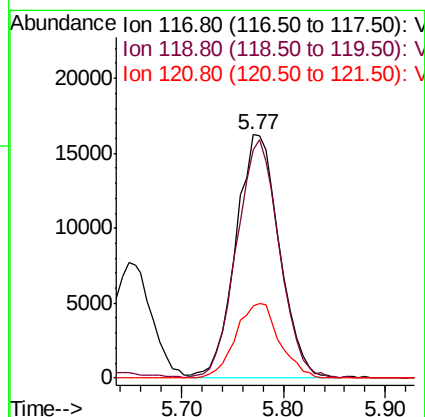
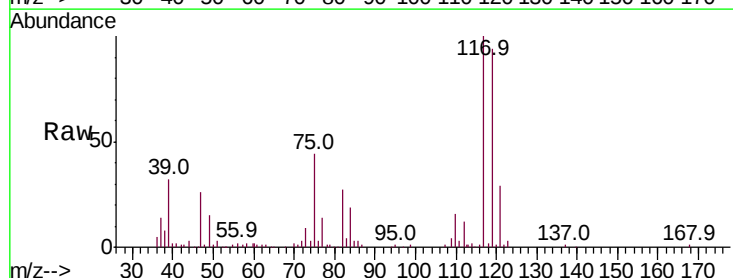
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

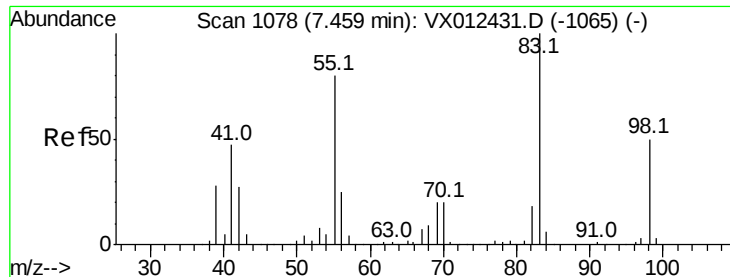
Tot Ion: 43 Resp: 60303
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.4
70 11.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.348 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 117 Resp: 47938
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 29.5 24.2 36.4

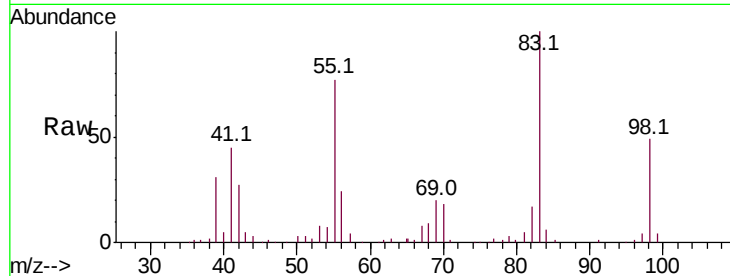




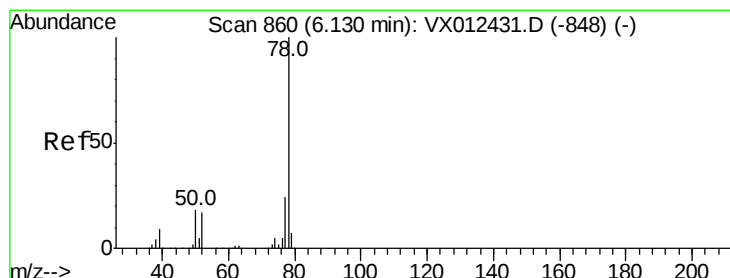
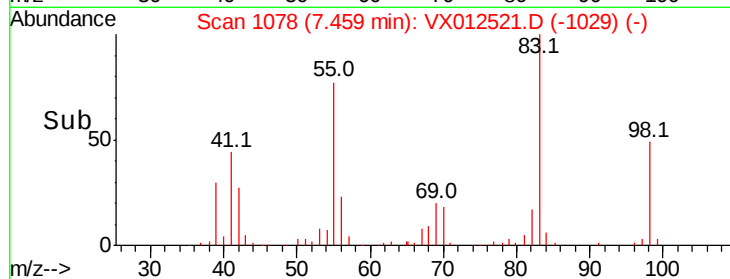
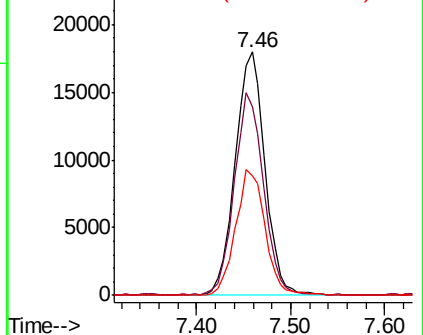
#39
Methvlcvclohexane
Concen: 20.344 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 83 Resp: 39398
Ion Ratio Lower Upper
83 100
55 77.2 64.4 96.6
98 48.9 40.1 60.1

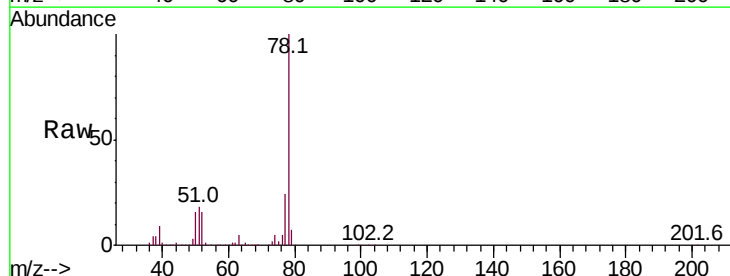


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

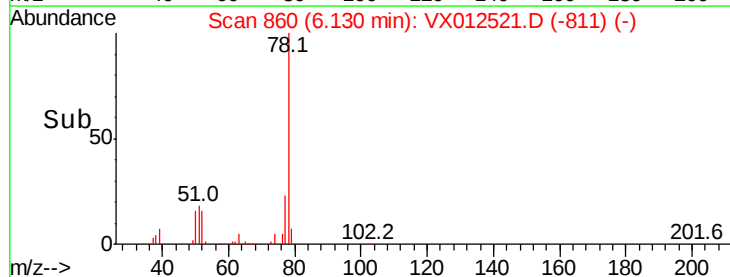
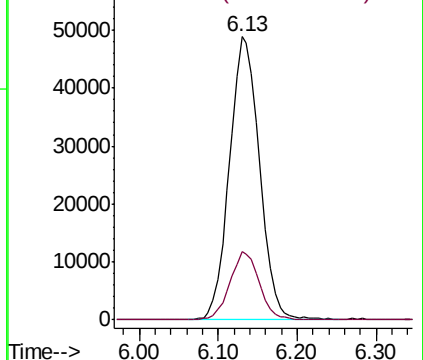


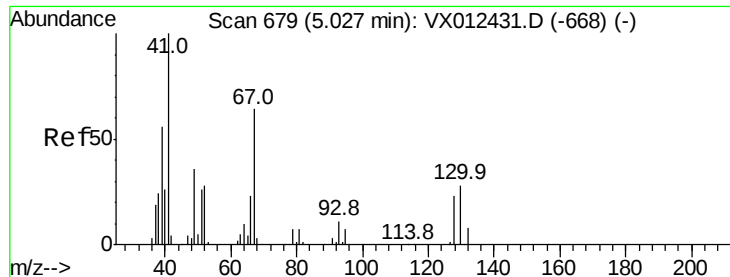
#40
Benzene
Concen: 20.490 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 78 Resp: 129801
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

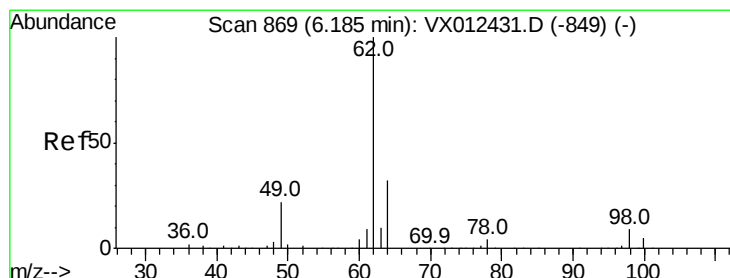
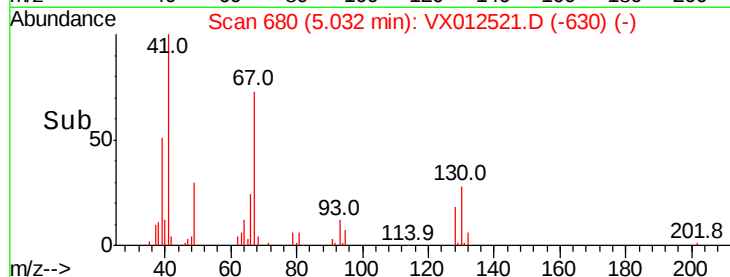
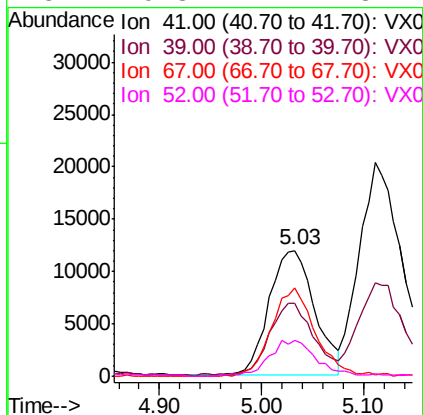
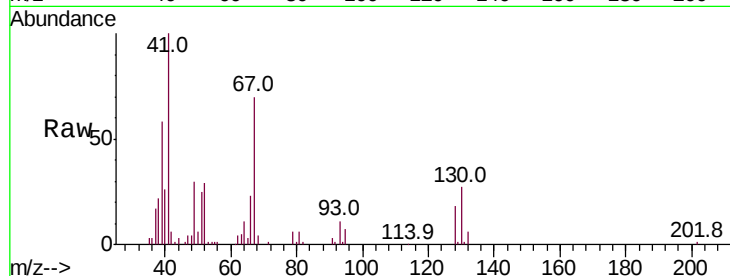




#41
Methacrylonitrile
Concen: 19.000 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

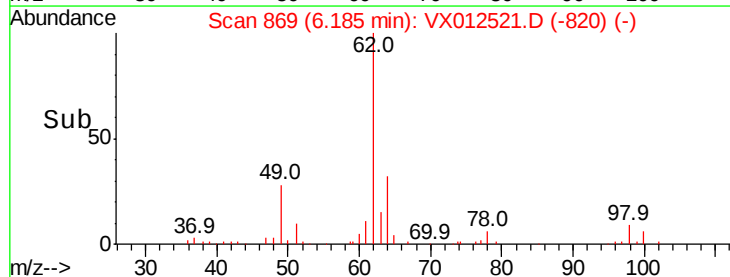
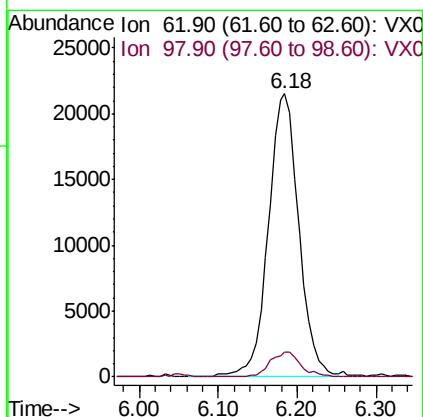
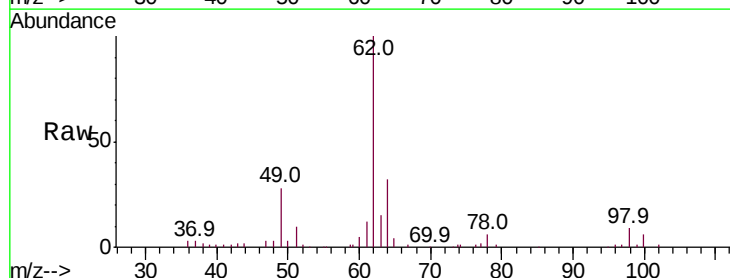
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

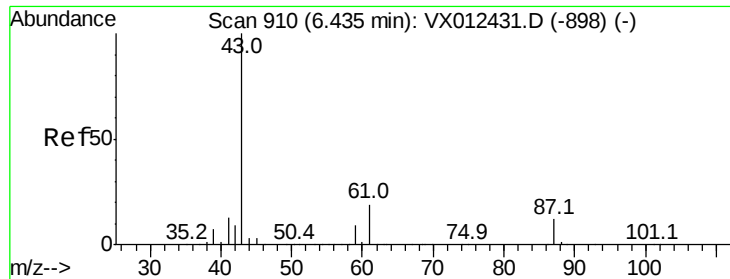
Tot Ion:	41	Resp:	37411
Ion	Ratio	Lower	Upper
41	100		
39	54.3	46.0	69.0
67	67.4	52.2	78.2
52	29.3	22.7	34.1



#42
1,2-Dichloroethane
Concen: 19.647 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:	62	Resp:	57728
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.105 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

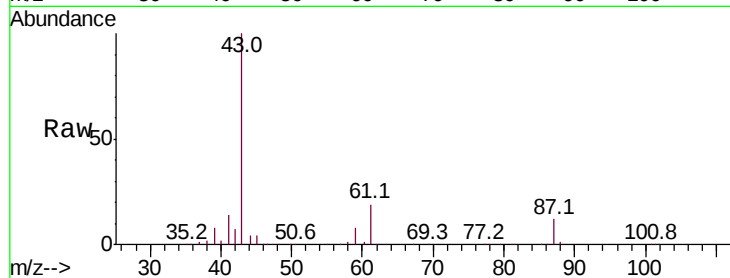
MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 43 Resp: 104855

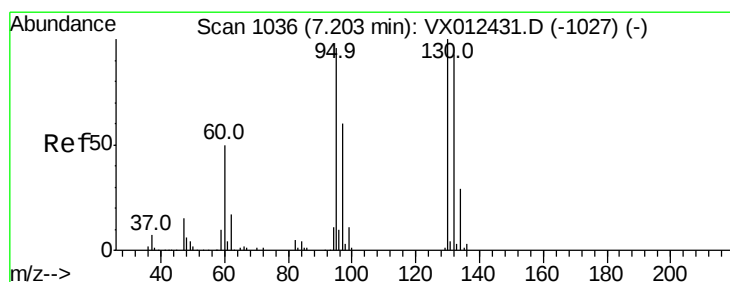
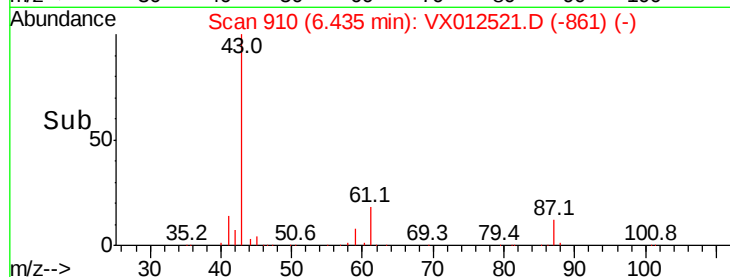
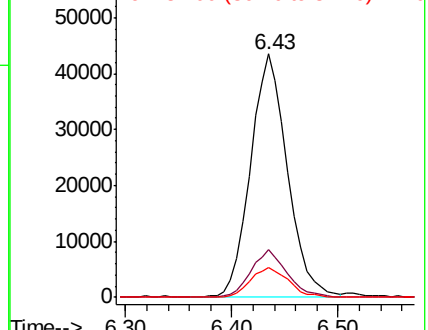
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	12.9	9.8	14.8



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: 20.890 ug/l

RT: 7.21 min Scan# 1037

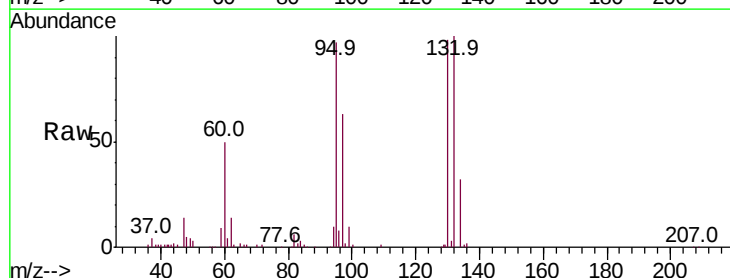
Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

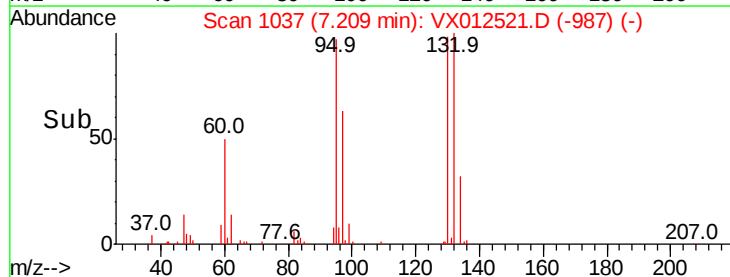
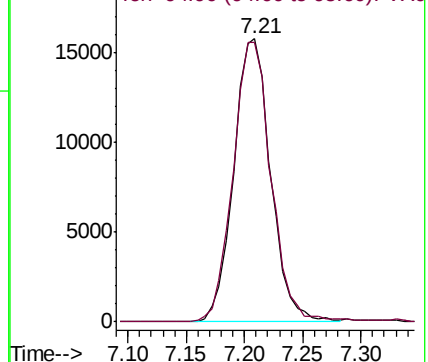
Tgt Ion:130 Resp: 34811

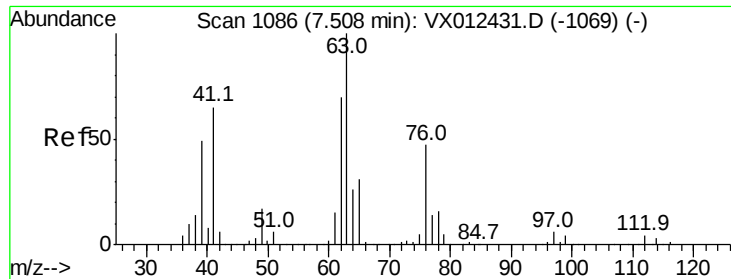
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.541 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

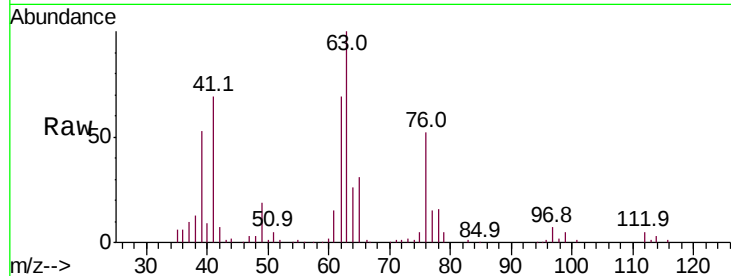
VX0919MBS01

Tot Ion: 63 Resp: 38031

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

20000

15000

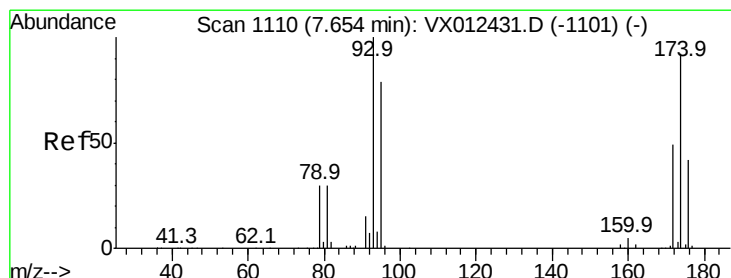
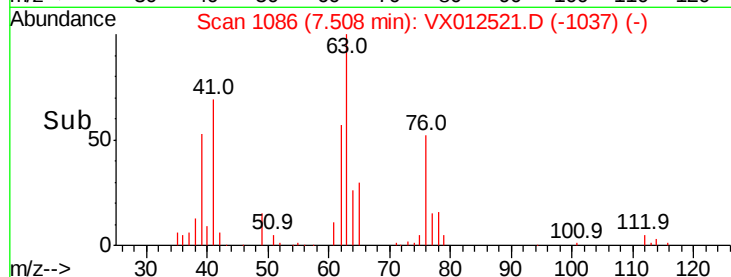
10000

5000

0

7.30 7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 20.163 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

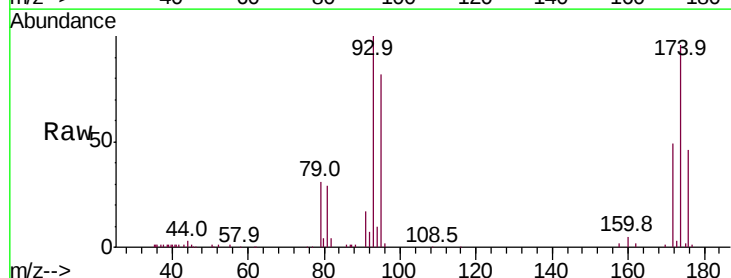
Tgt Ion: 93 Resp: 25394

Ion Ratio Lower Upper

93 100

95 80.2 66.6 100.0

174 94.0 77.4 116.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

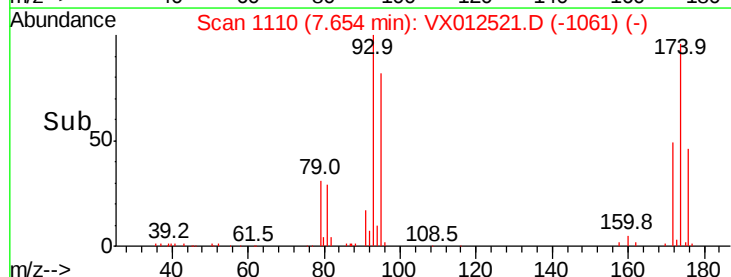
10000

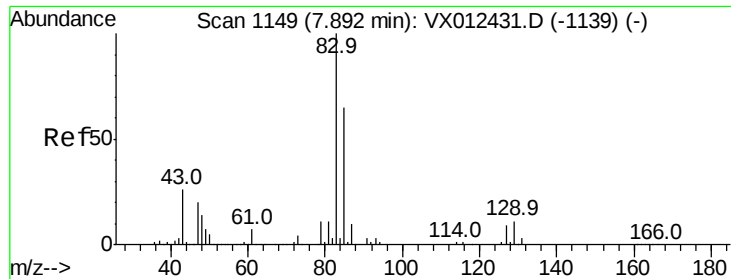
5000

0

7.60 7.70 7.80

Time-->

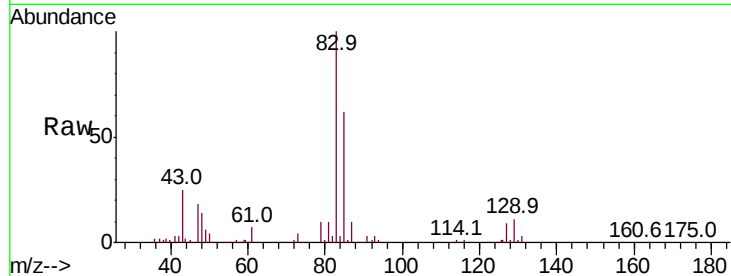




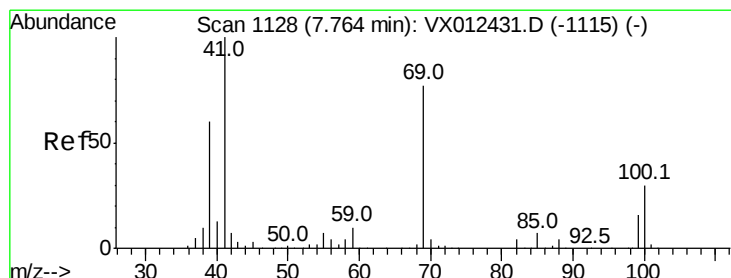
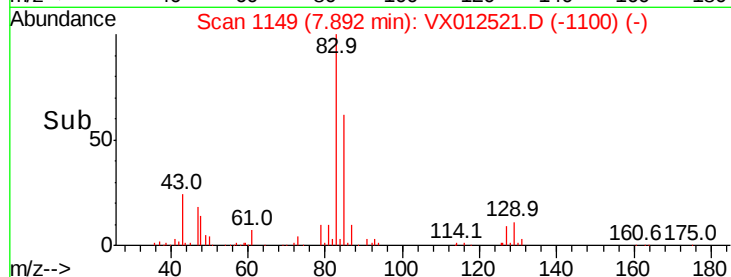
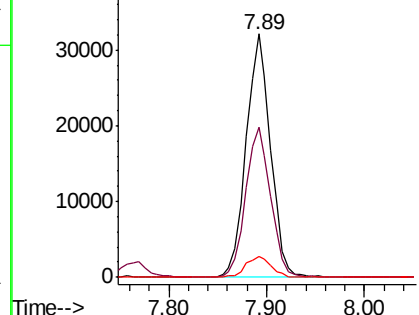
#47
 Bromodichloromethane
 Concen: 19.724 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	83	Resp	55311
Ion Ratio	100		
Lower	51.8		
Upper	77.6		
85	61.9		
127	8.8		
	7.3		
	10.9		

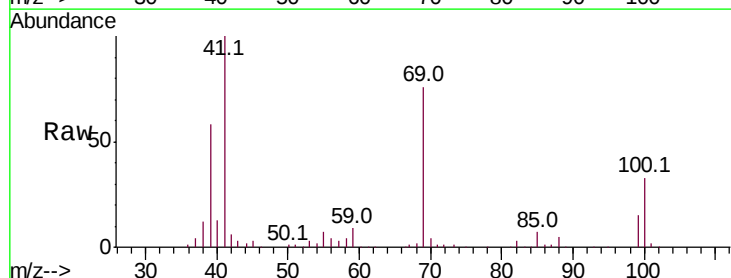


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

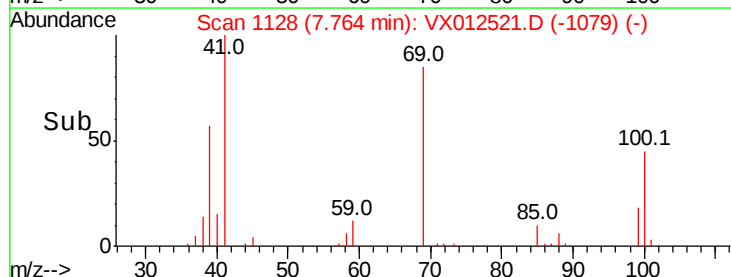
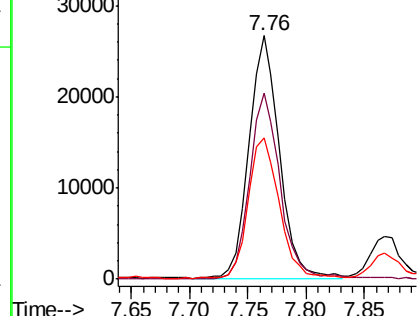


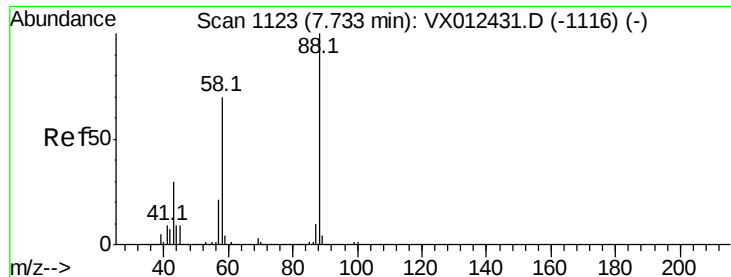
#48
 Methyl methacrylate
 Concen: 18.684 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	41	Resp	48338
Ion Ratio	100		
Lower	59.9		
Upper	89.9		
69	78.5		
39	58.4		
	47.8		
	71.6		



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

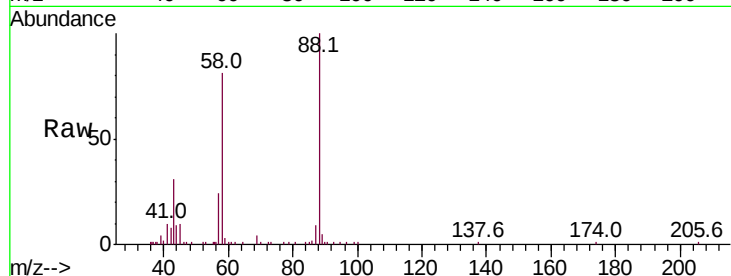




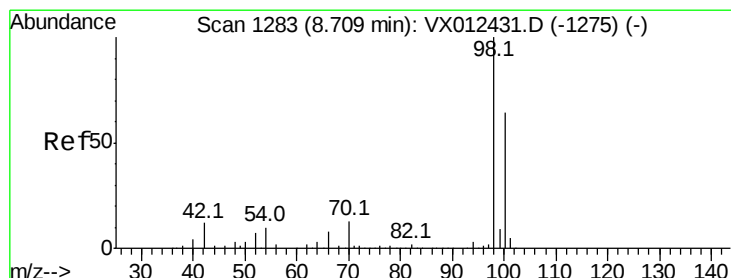
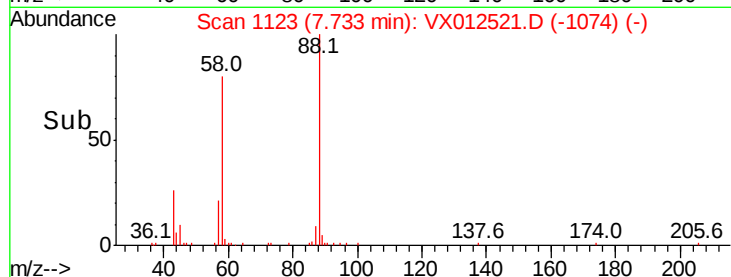
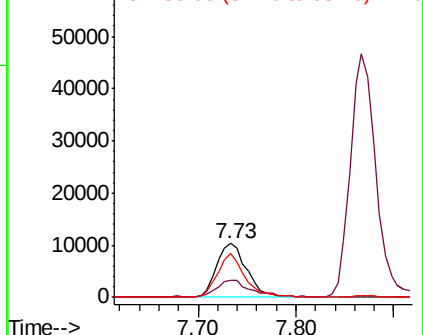
#49
1,4-Dioxane
Concen: 353.007 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 88 Resp: 22228
Ion Ratio Lower Upper
88 100
43 34.6 29.4 44.0
58 74.8 57.5 86.3

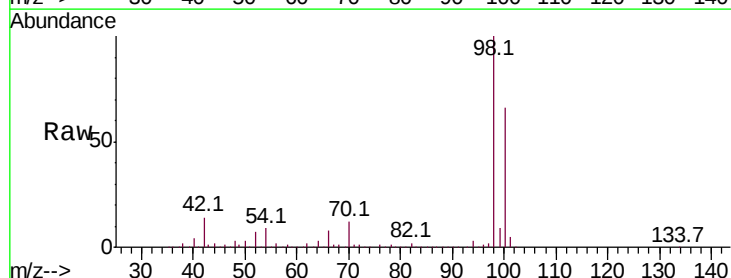


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

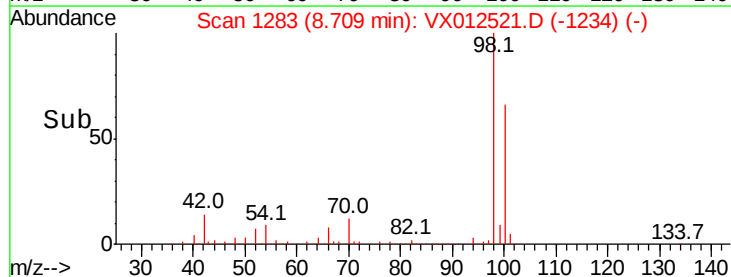
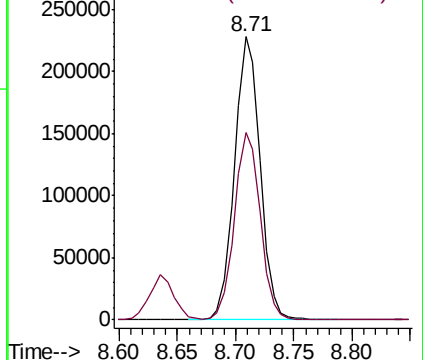


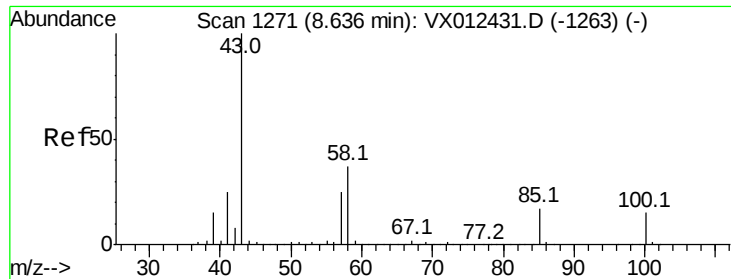
#50
Toluene-d8
Concen: 47.702 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 98 Resp: 350300
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): V





#51

4-Methyl-2-Pentanone

Concen: 95.491 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

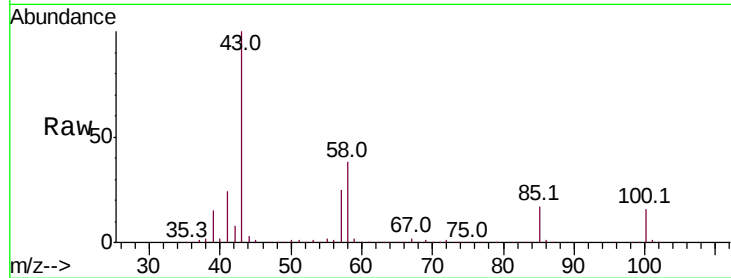
VX0919MBS01

Tot Ion: 43 Resp: 343699

Ion Ratio Lower Upper

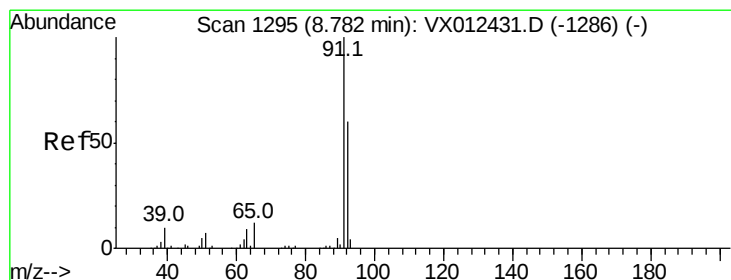
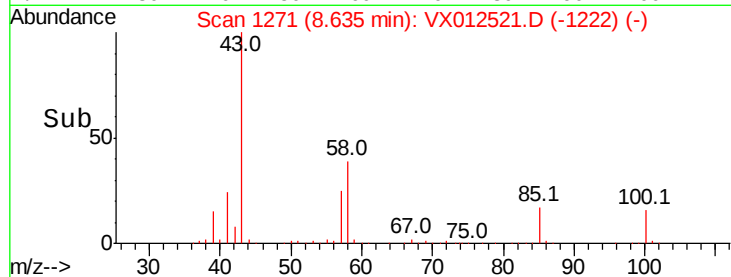
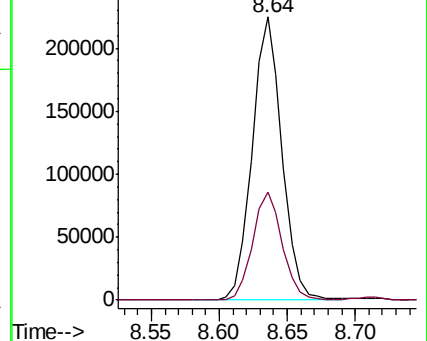
43 100

58 38.0 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.661 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012521.D

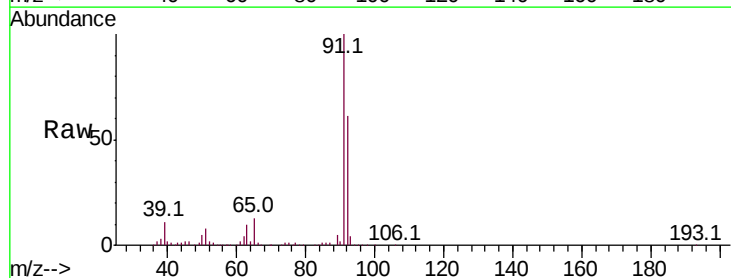
Acq: 19 Sep 2019 12:27

Tgt Ion: 92 Resp: 84340

Ion Ratio Lower Upper

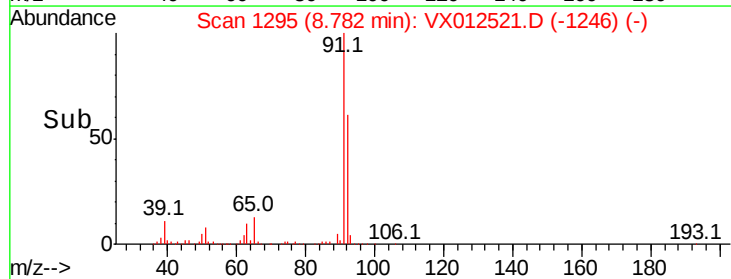
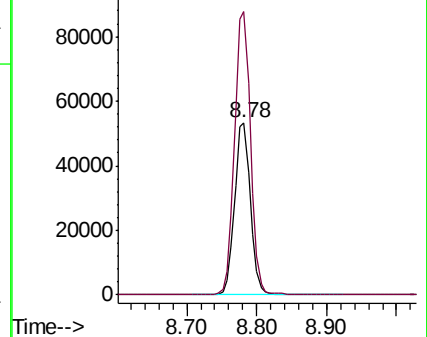
92 100

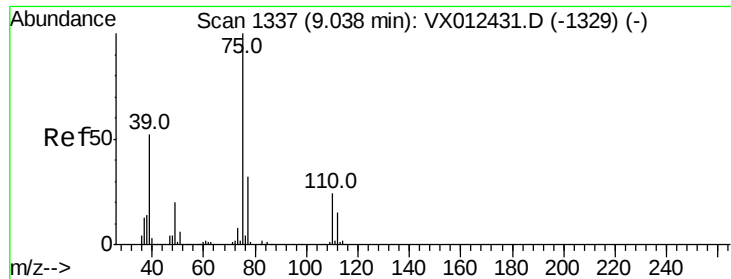
91 165.4 135.4 203.0



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: 19.224 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

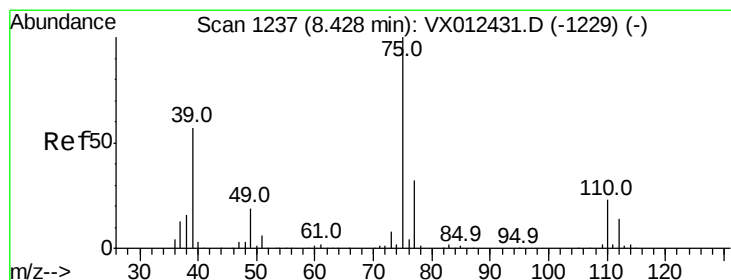
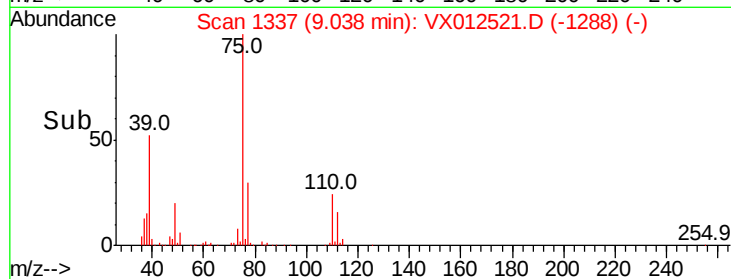
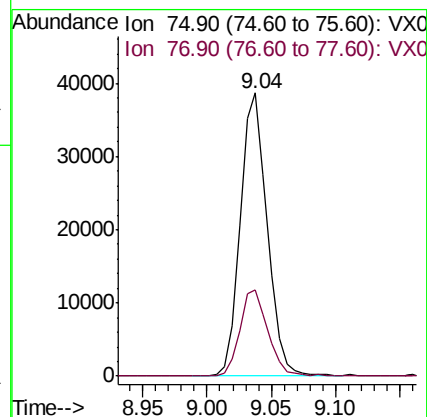
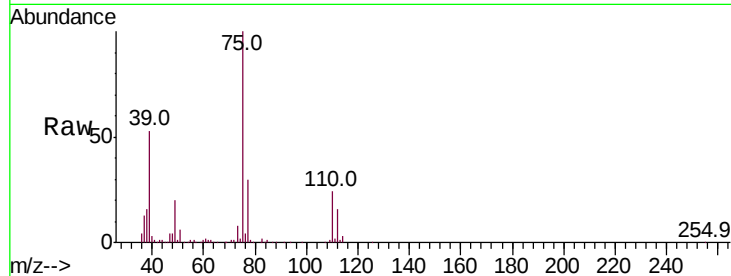
VX0919MBS01

Tot Ion: 75 Resp: 56039

Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.829 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

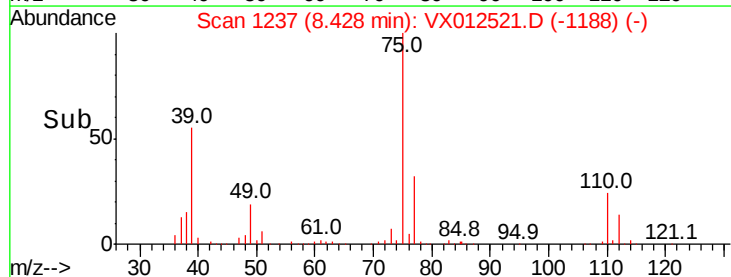
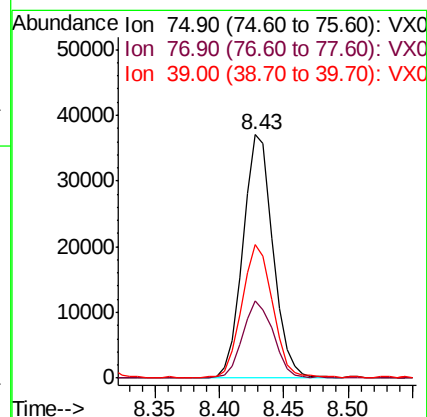
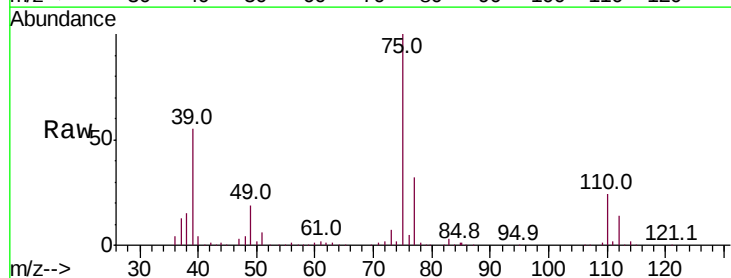
Tgt Ion: 75 Resp: 59843

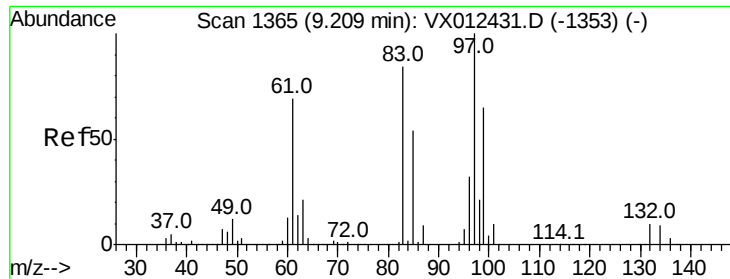
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 54.7 45.5 68.3





#55

1,1,2-Trichloroethane

Concen: 19.769 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 97 Resp: 41575

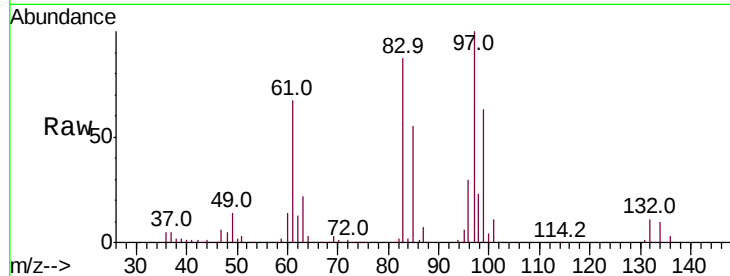
Ion Ratio Lower Upper

97 100

83 86.8 67.4 101.2

85 54.9 43.5 65.3

99 63.0 51.8 77.8



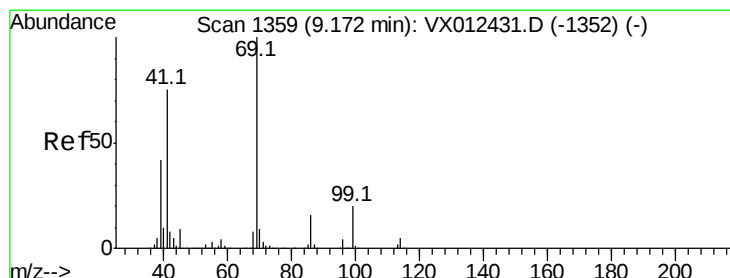
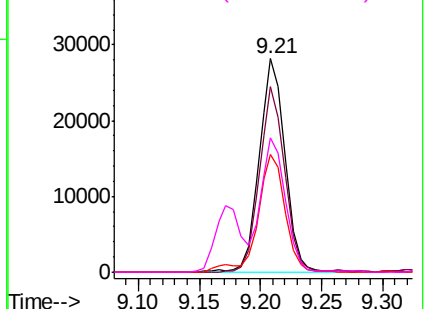
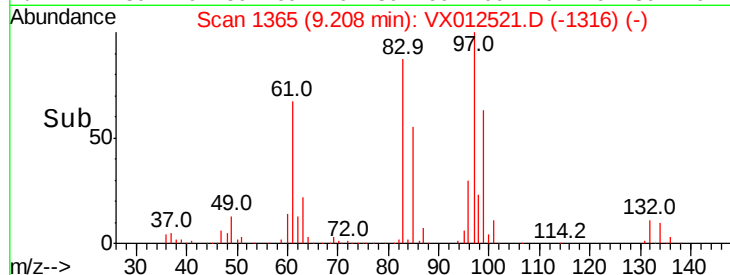
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.505 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

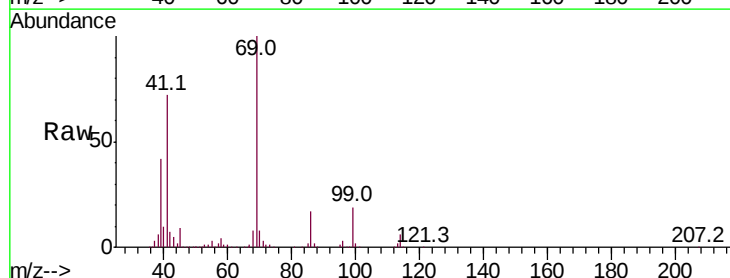
Tgt Ion: 69 Resp: 64135

Ion Ratio Lower Upper

69 100

41 71.5 58.4 87.6

39 41.2 33.4 50.0

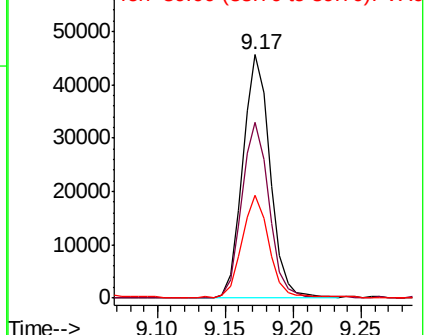
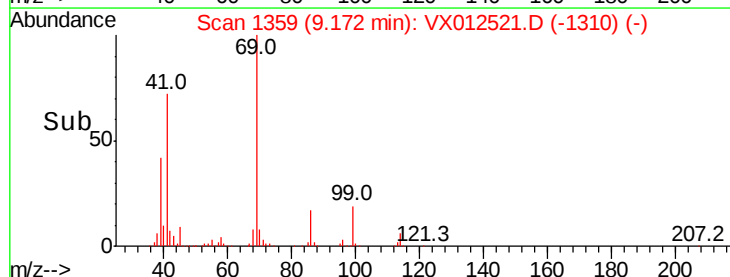


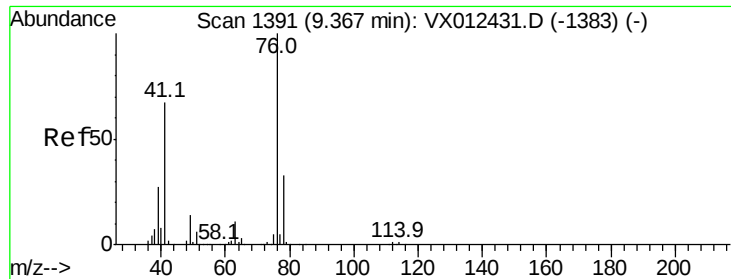
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.230 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

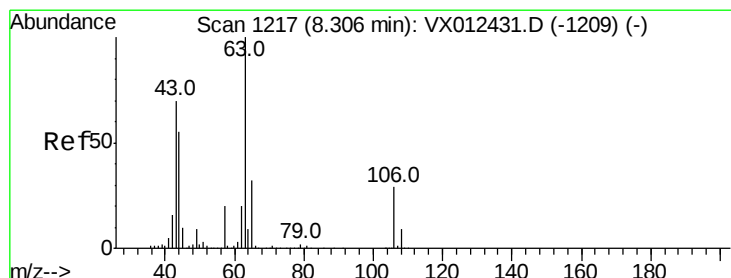
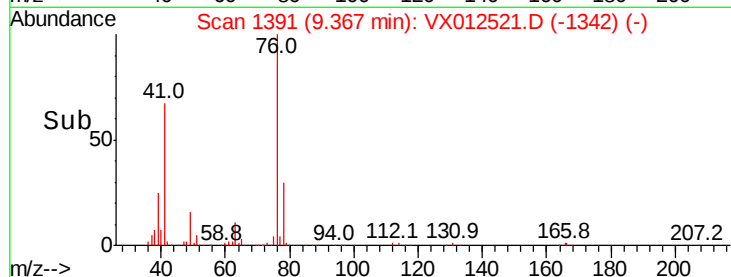
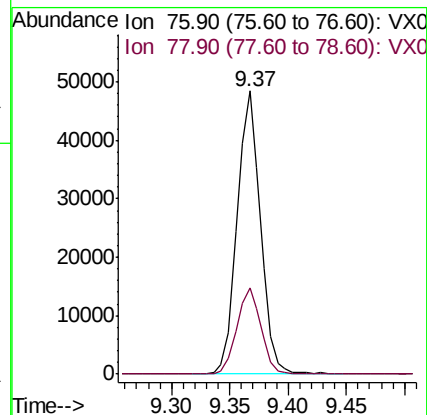
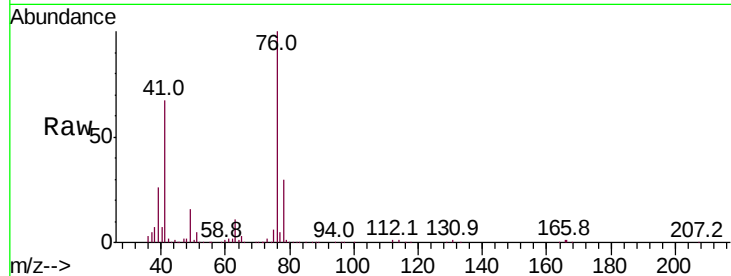
VX0919MBS01

Tot Ion: 76 Resp: 67880

Ion Ratio Lower Upper

76 100

78 31.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 104.492 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012521.D

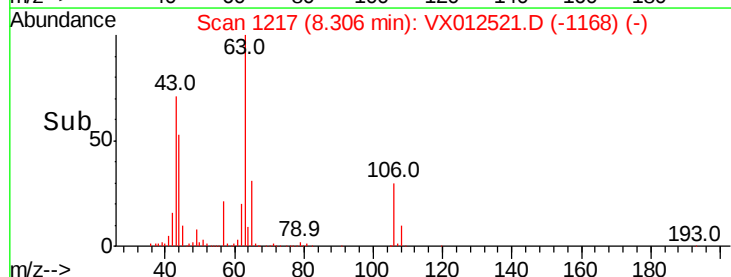
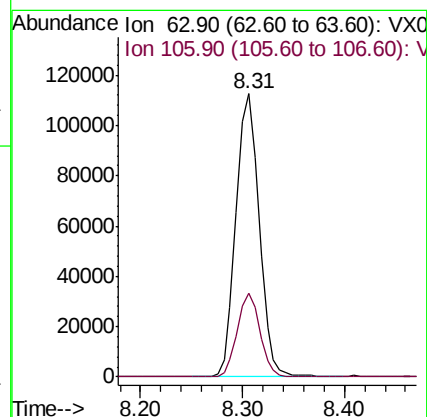
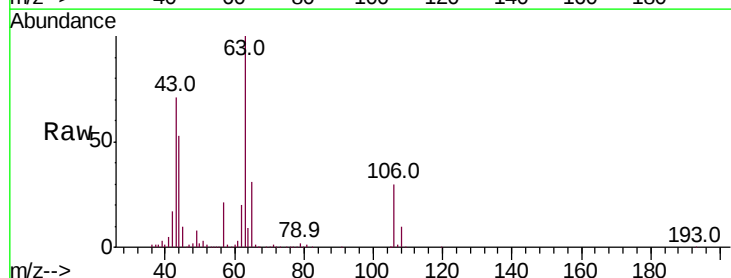
Acq: 19 Sep 2019 12:27

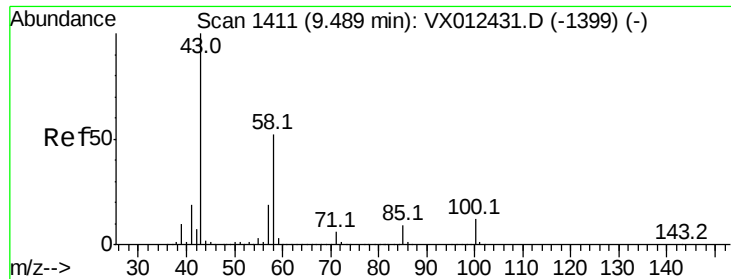
Tgt Ion: 63 Resp: 177850

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.6

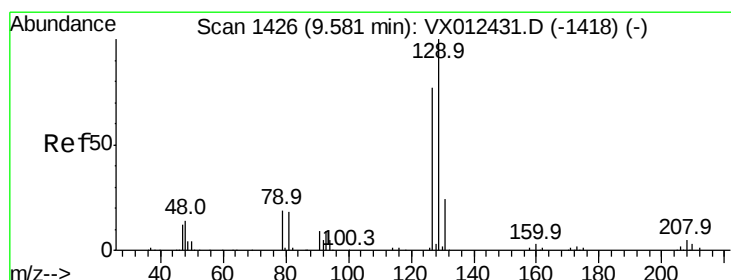
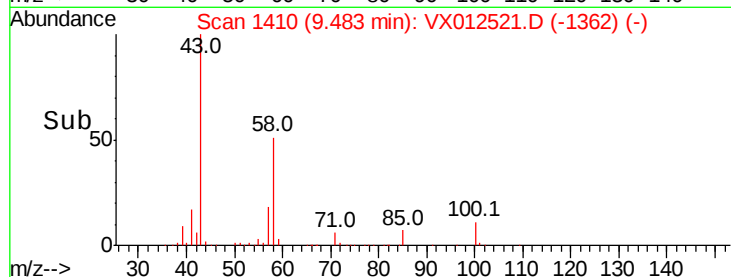
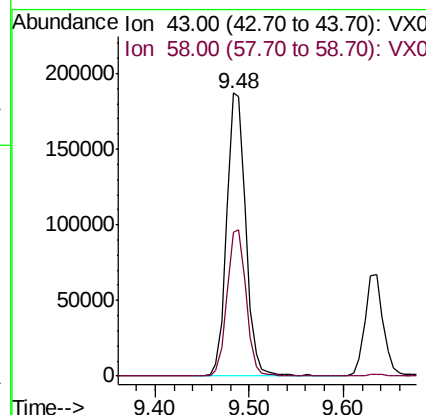
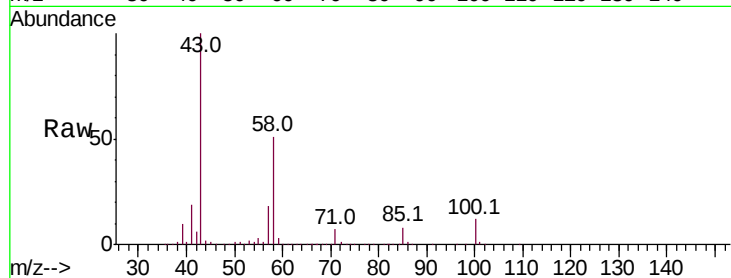




#59
2-Hexanone
Concen: 93.336 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

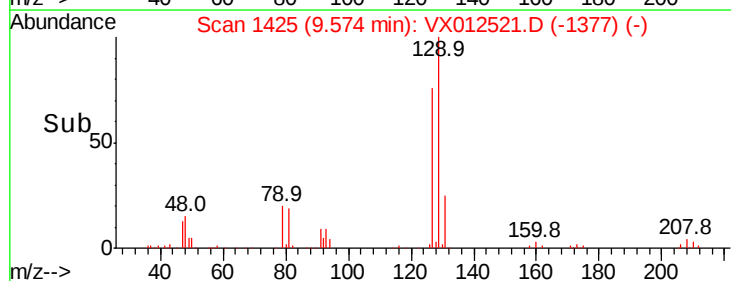
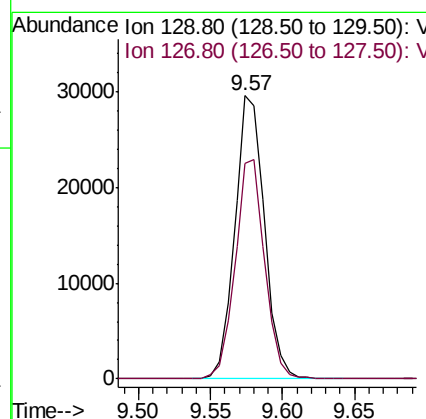
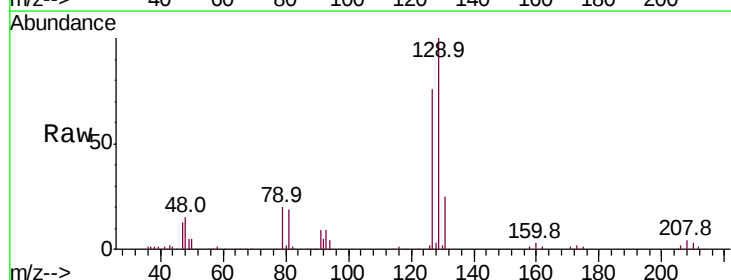
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

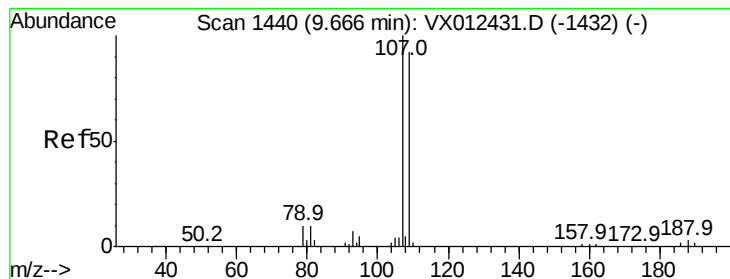
Tot Ion: 43 Resp: 262090
Ion Ratio Lower Upper
43 100
58 52.0 25.7 77.1



#60
Dibromochloromethane
Concen: 19.846 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 129 Resp: 42514
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.816 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

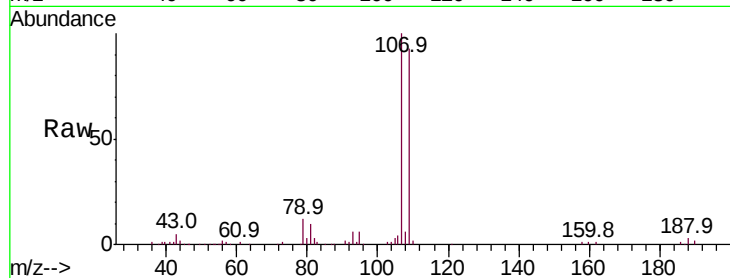
VX0919MBS01

Tot Ion:107 Resp: 39982

Ion Ratio Lower Upper

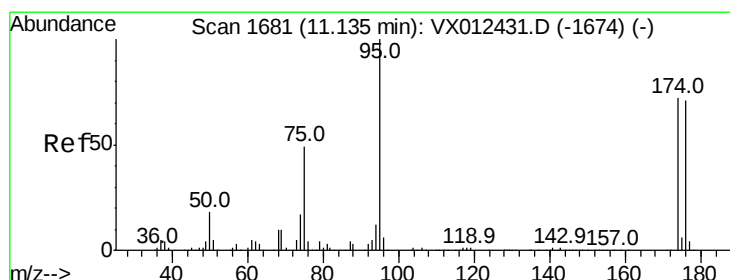
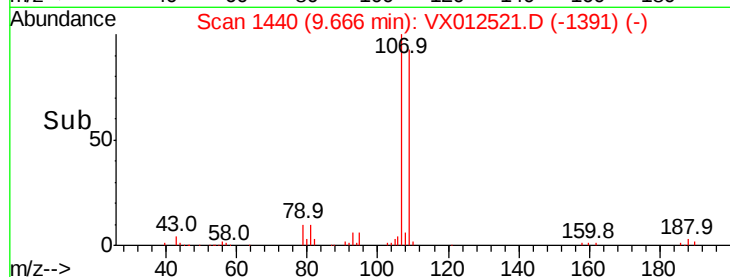
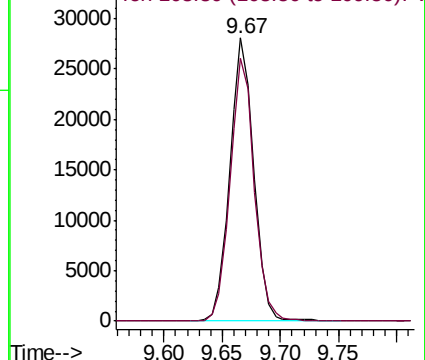
107 100

109 93.6 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.503 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

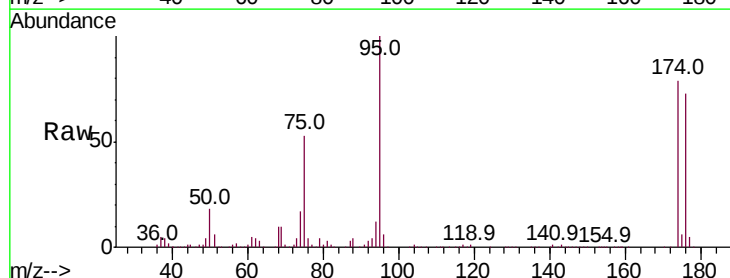
Tgt Ion: 95 Resp: 138743

Ion Ratio Lower Upper

95 100

174 72.7 0.0 140.0

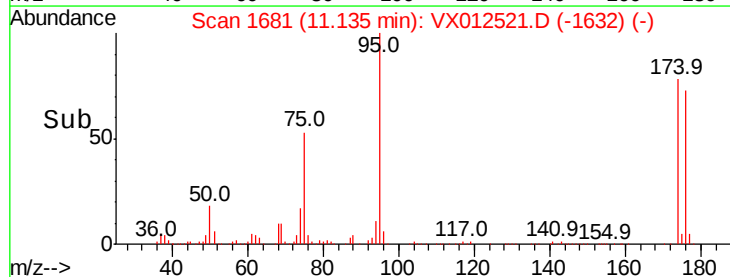
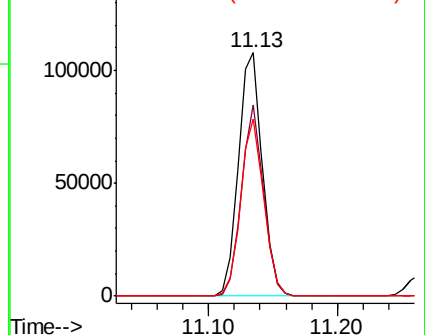
176 70.1 0.0 135.4

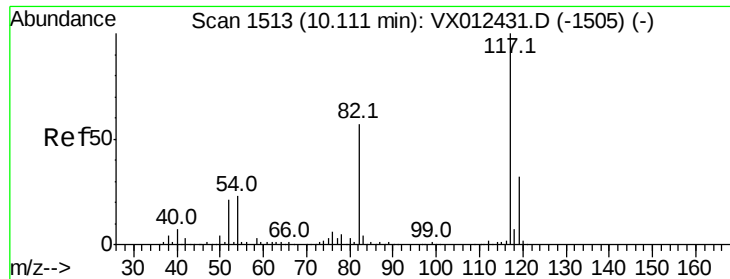


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

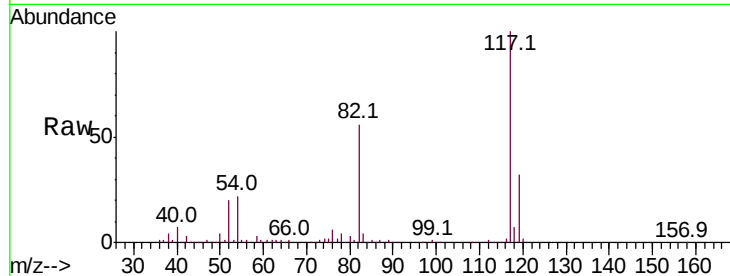




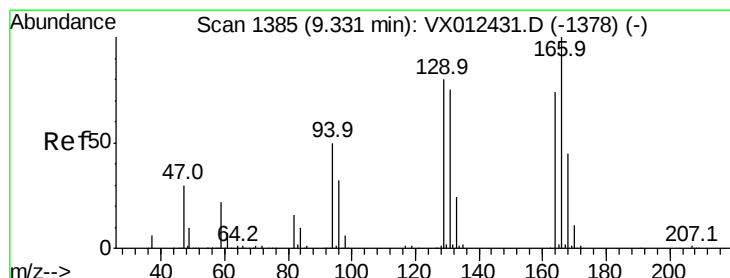
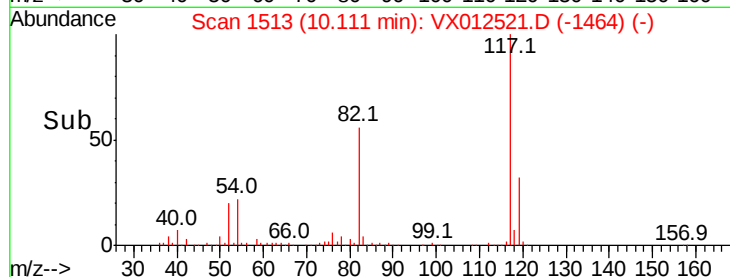
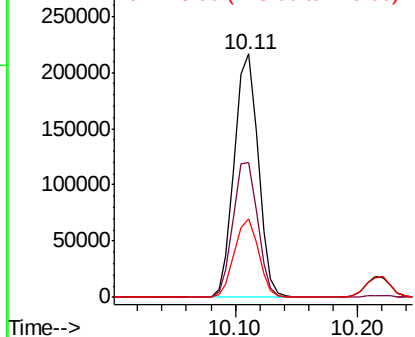
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion:117 Resp: 293101
Ion Ratio Lower Upper
117 100
82 55.6 45.9 68.9
119 32.5 25.3 37.9

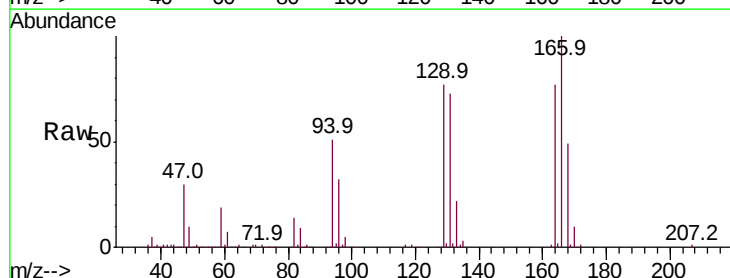


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

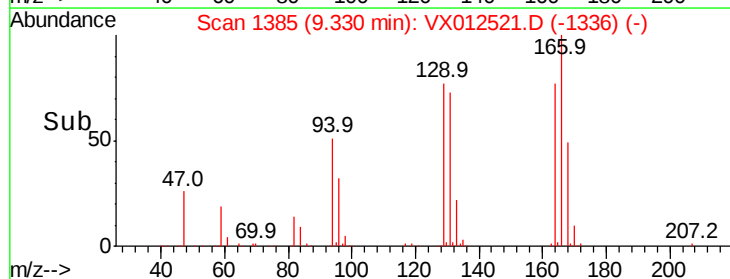
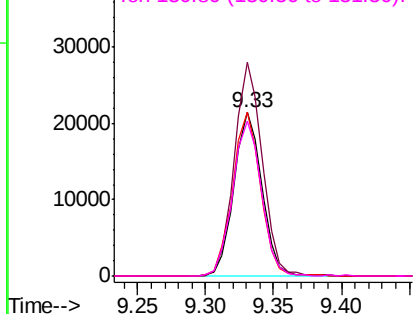


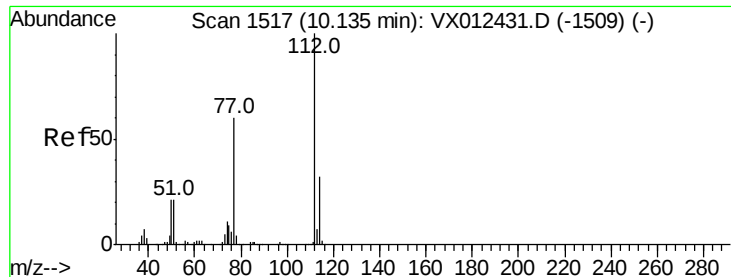
#64
Tetrachloroethene
Concen: 22.956 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:164 Resp: 30832
Ion Ratio Lower Upper
164 100
166 130.5 107.8 161.6
129 100.4 86.2 129.2
131 95.0 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.281 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

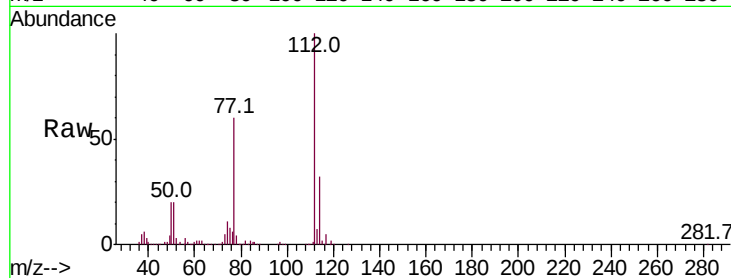
VX0919MBS01

Tot Ion:112 Resp: 98113

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

80000

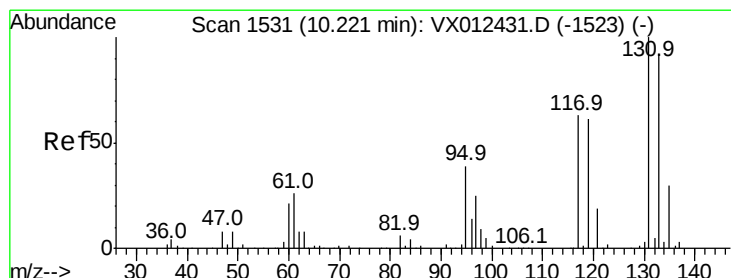
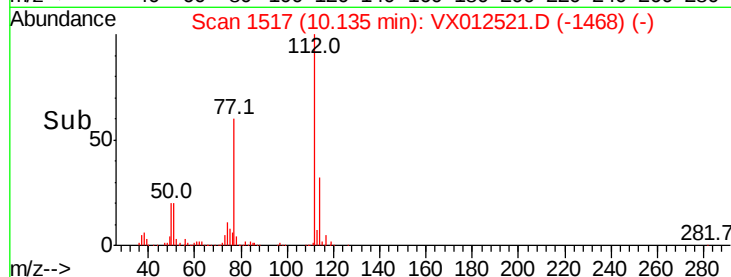
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.665 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

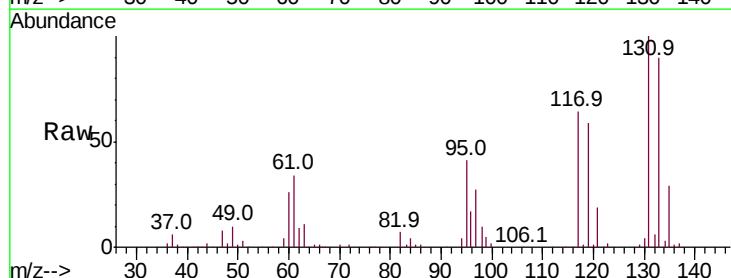
Tgt Ion:131 Resp: 41489

Ion Ratio Lower Upper

131 100

133 92.6 47.6 142.9

119 62.8 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

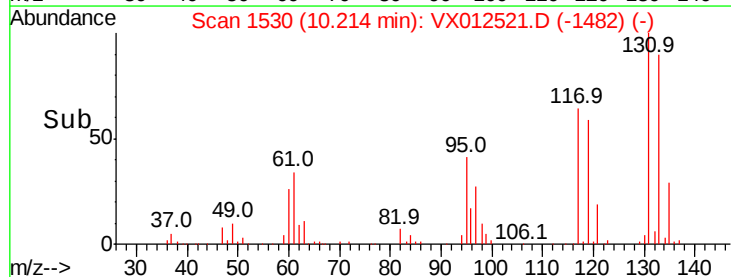
40000

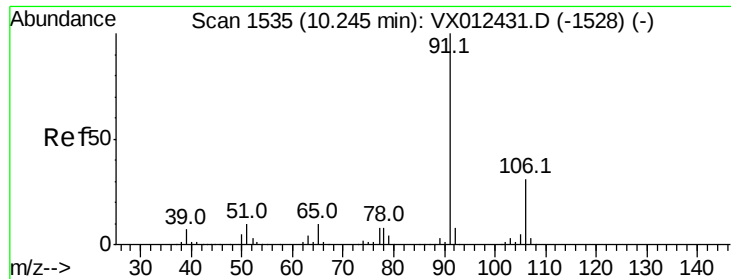
20000

0

10.21

Time-->

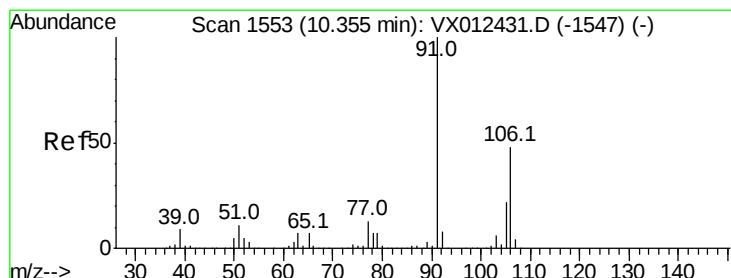
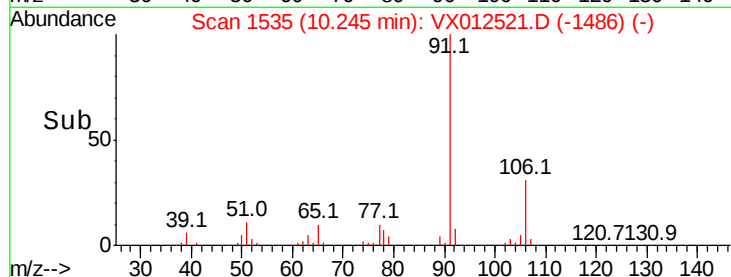
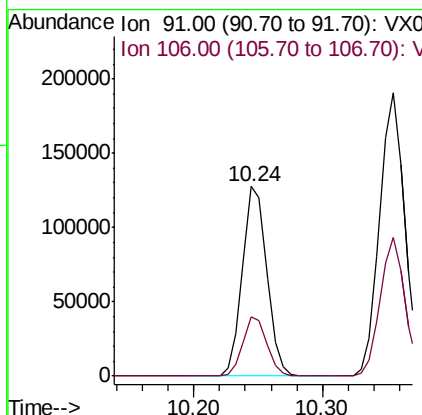
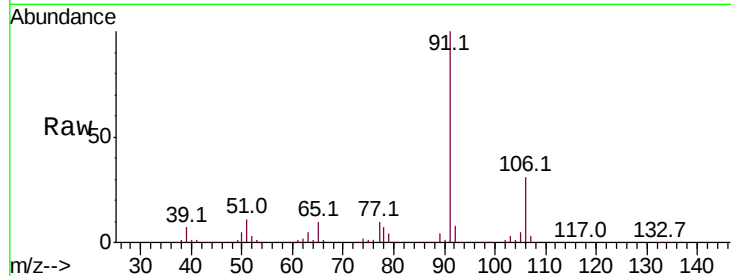




#67
Ethyl Benzene
Concen: 20.271 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

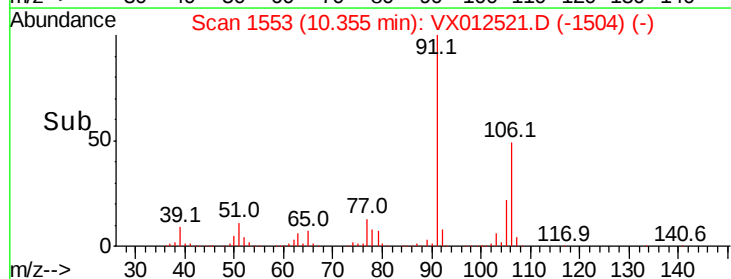
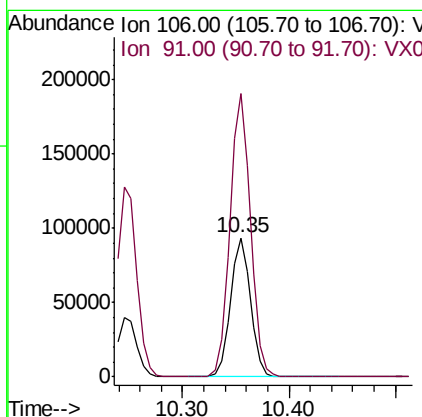
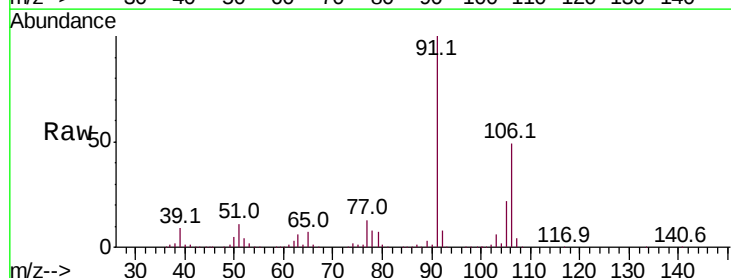
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

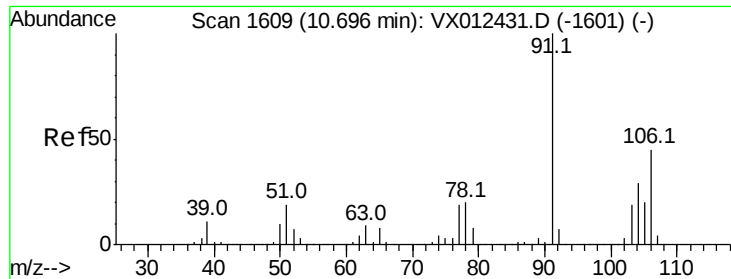
Tot Ion: 91 Resp: 168482
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 41.162 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 106 Resp: 124478
Ion Ratio Lower Upper
106 100
91 206.6 166.6 250.0

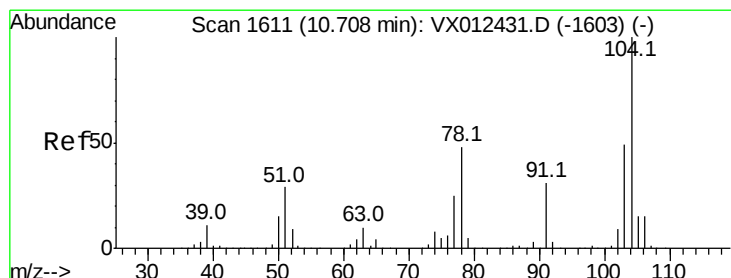
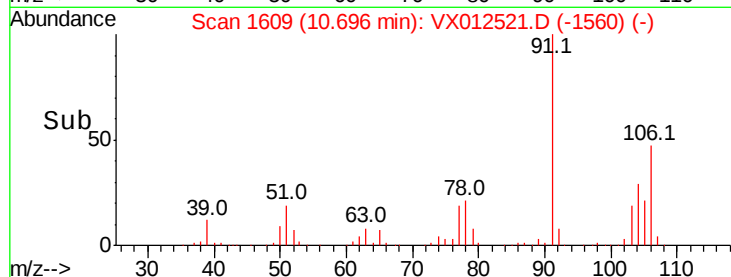
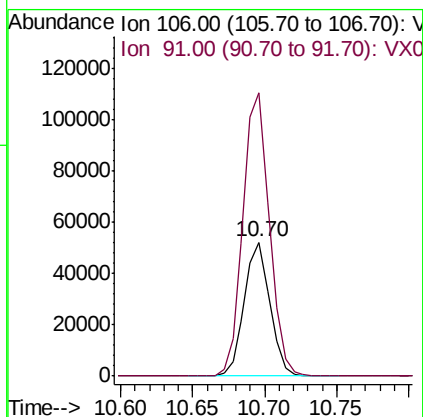
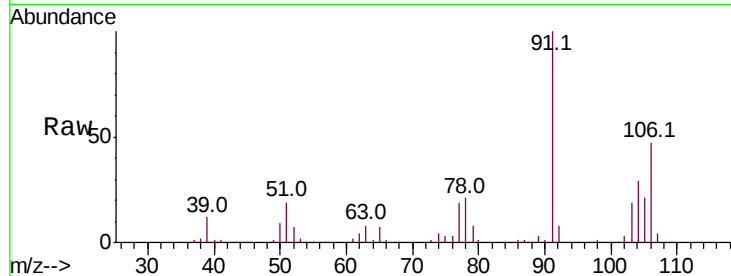




#69
o-Xylene
Concen: 20.747 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

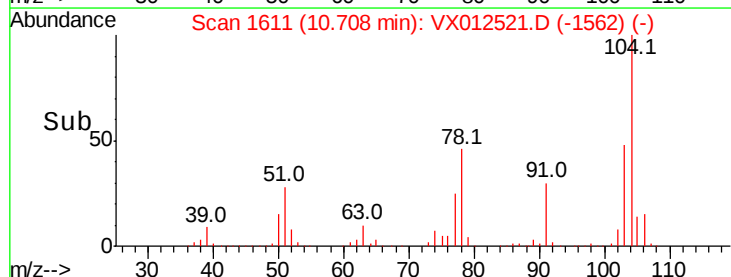
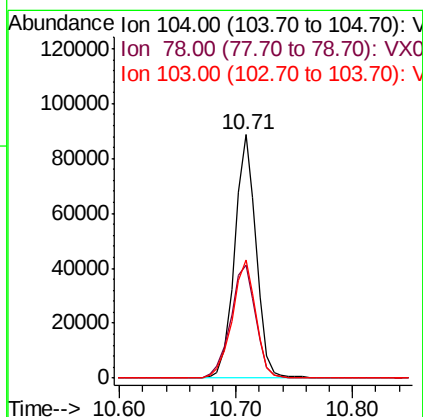
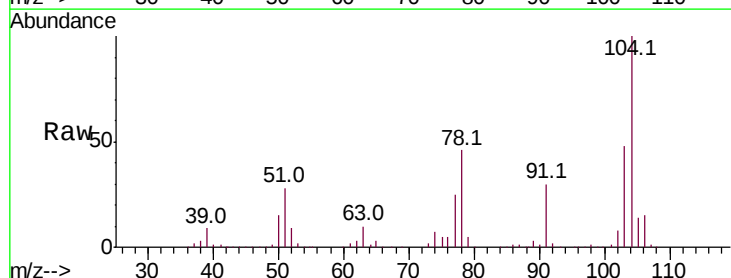
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

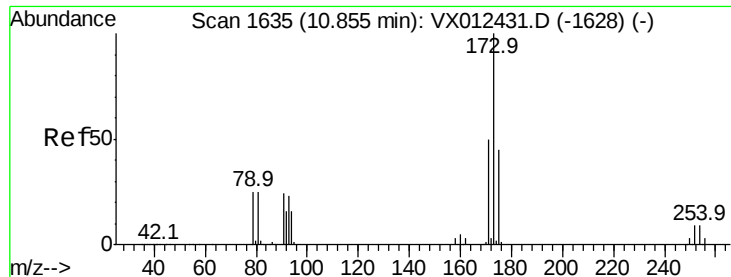
Tot Ion:106 Resp: 64522
Ion Ratio Lower Upper
106 100
91 218.6 109.4 328.2



#70
Styrene
Concen: 20.645 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:104 Resp: 113602
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.2
103 53.1 43.3 64.9





#71

Bromoform

Concen: 18.253 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

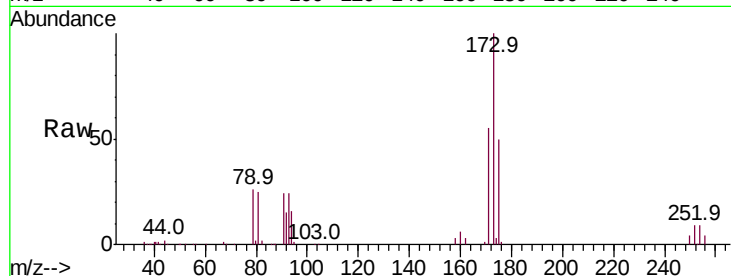
Tot Ion:173 Resp: 28212

Ion Ratio Lower Upper

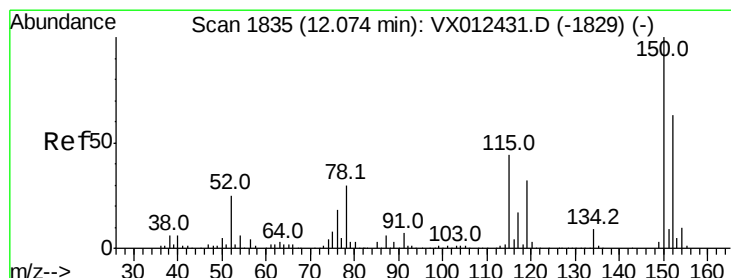
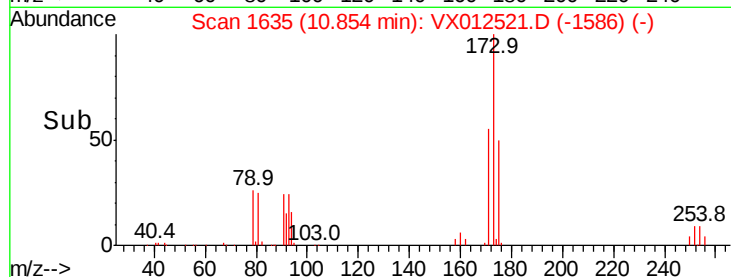
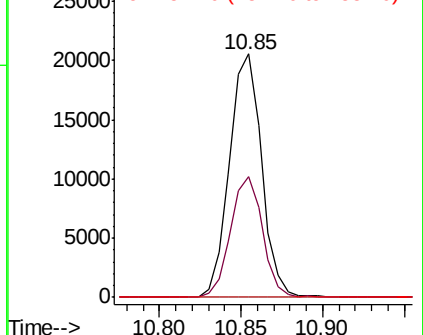
173 100

175 49.1 23.7 71.1

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: VX012521.D

Acq: 19 Sep 2019 12:27

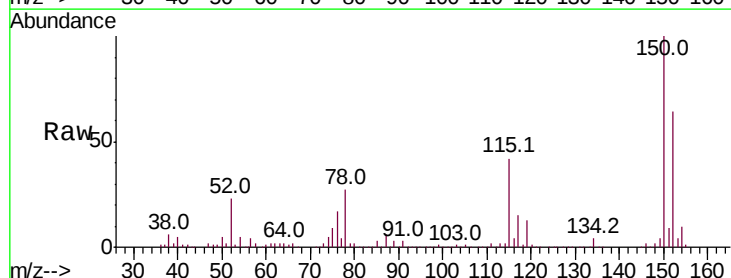
Tgt Ion:152 Resp: 139559

Ion Ratio Lower Upper

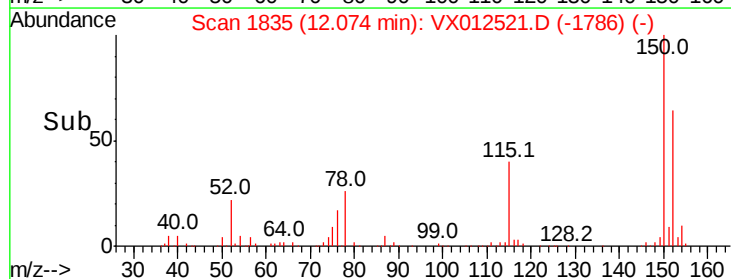
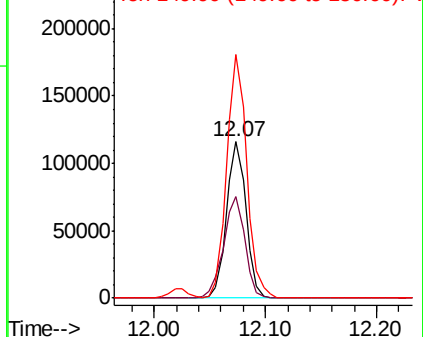
152 100

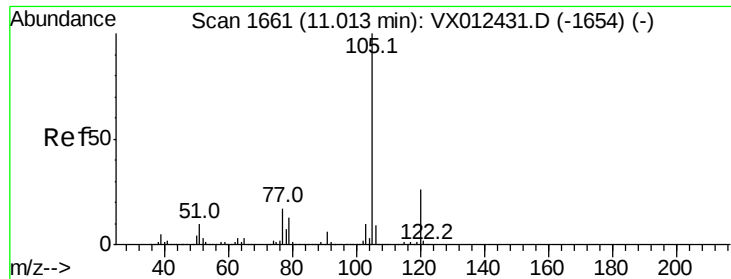
115 71.6 44.1 132.3

150 161.2 0.0 343.8



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: 20.651 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

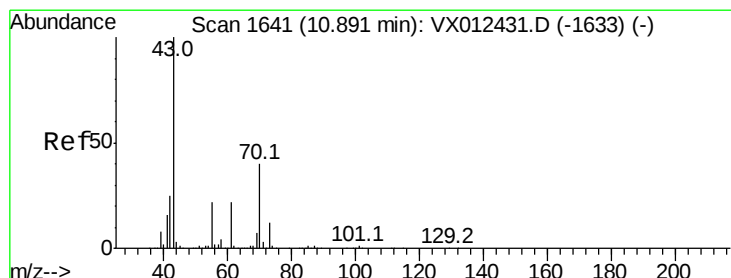
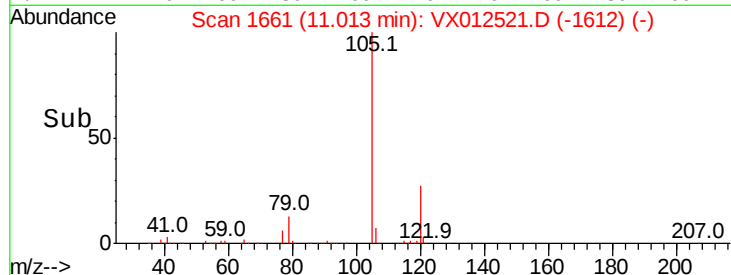
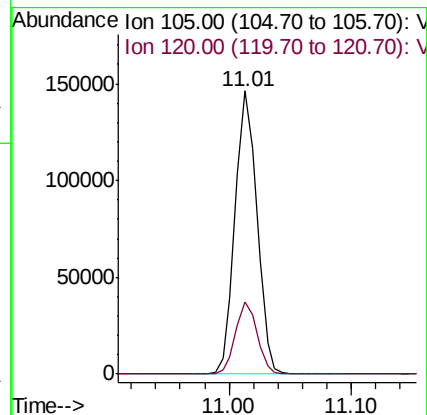
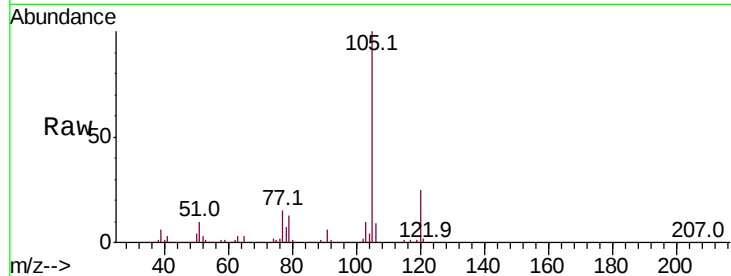
VX0919MBS01

Tot Ion:105 Resp: 180830

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



#74

N-ethyl acetate

Concen: 19.053 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion: 43 Resp: 89824

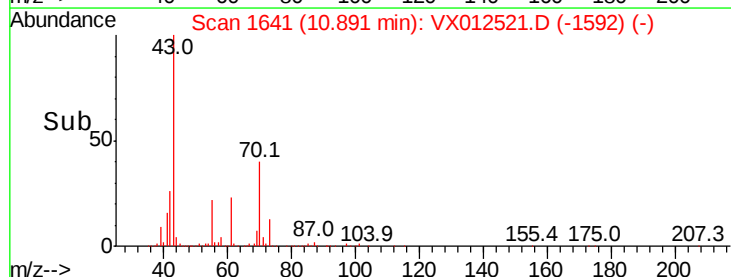
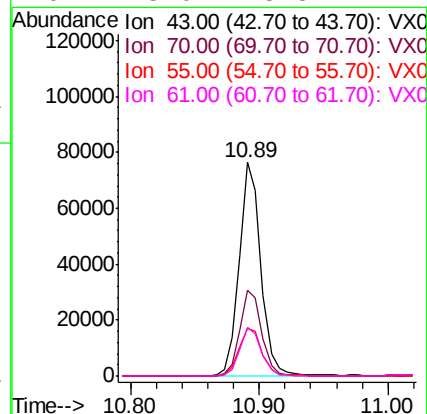
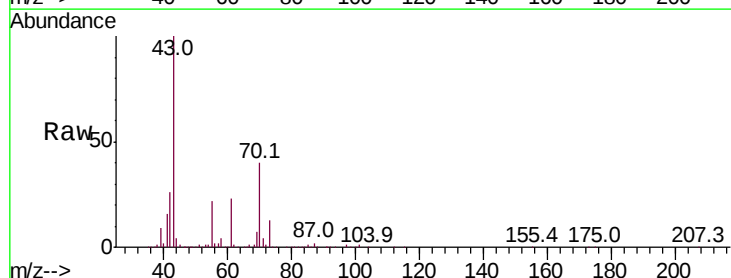
Ion Ratio Lower Upper

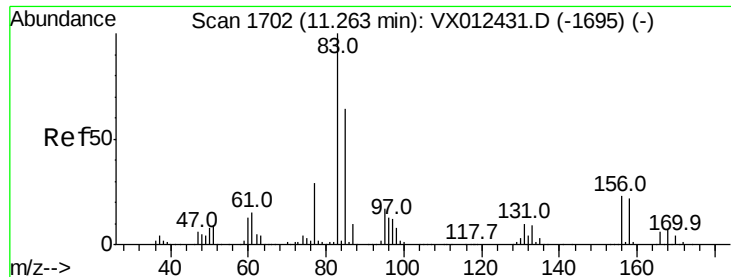
43 100

70 41.0 32.4 48.6

55 23.9 18.2 27.4

61 23.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

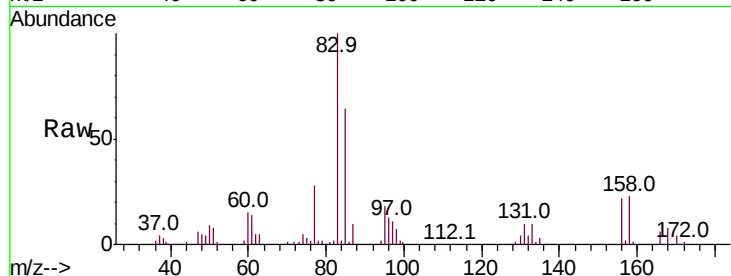
Tot Ion: 83 Resp: 67095

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

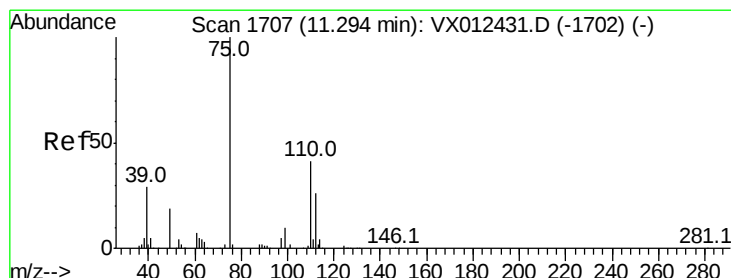
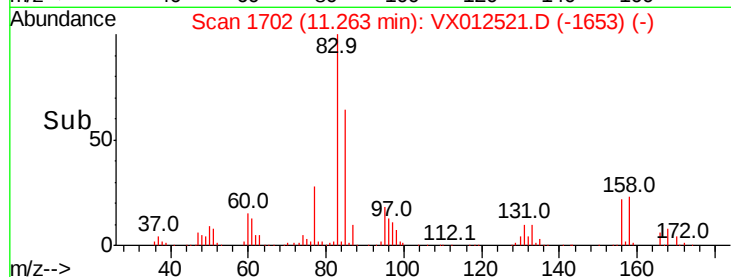
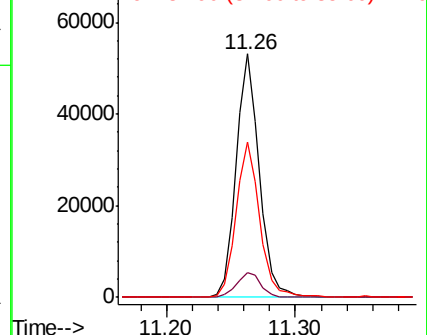
85 64.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.888 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012521.D

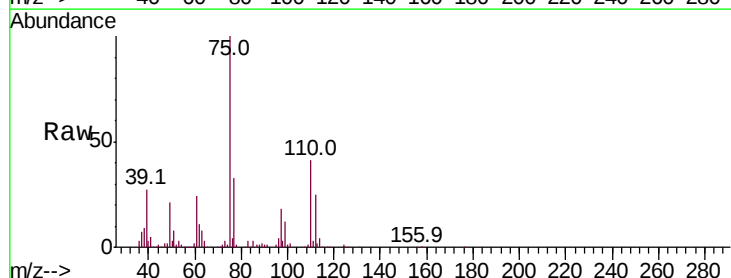
Acq: 19 Sep 2019 12:27

Tgt Ion: 75 Resp: 76579

Ion Ratio Lower Upper

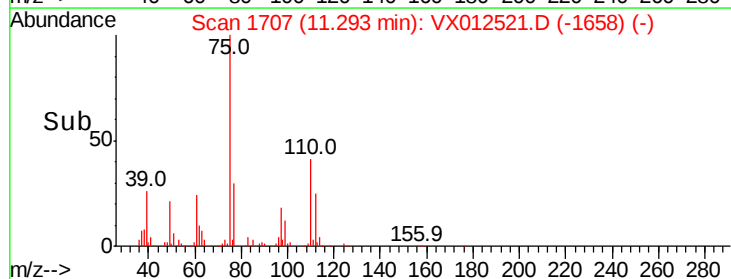
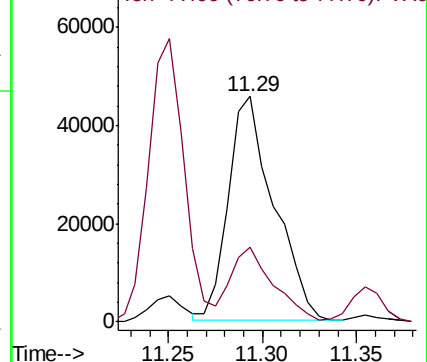
75 100

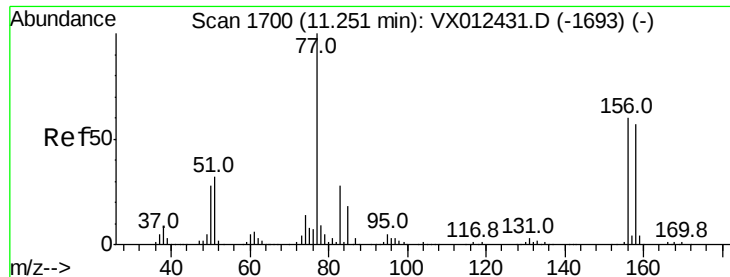
77 31.3 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.604 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

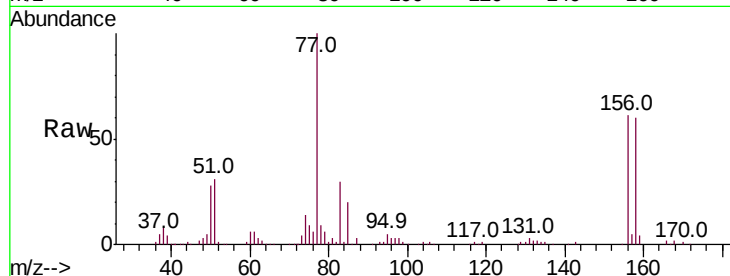
VX0919MBS01

Tot Ion:156 Resp: 44001

Ion	Ratio	Lower	Upper
156	100		
77	173.4	87.3	261.8
158	96.9	48.5	145.6

77 173.4 87.3 261.8

158 96.9 48.5 145.6

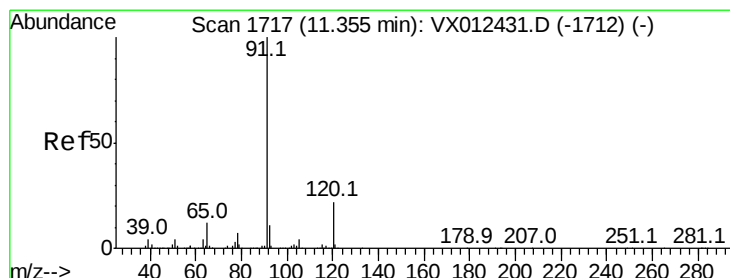
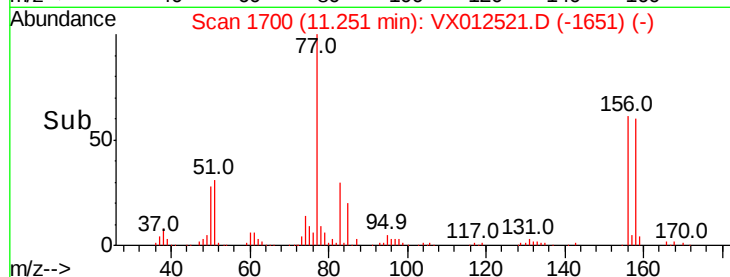
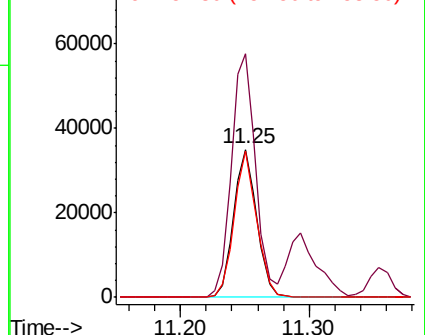


Abundance

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: 20.003 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012521.D

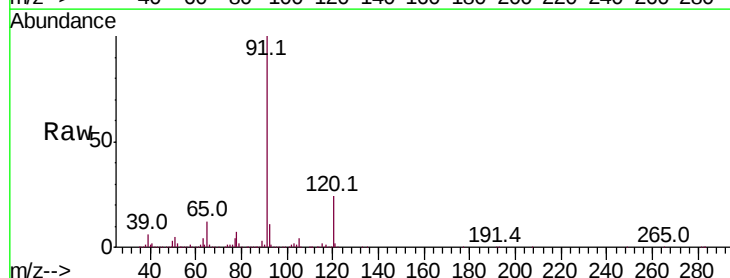
Acq: 19 Sep 2019 12:27

Tgt Ion: 91 Resp: 195219

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.8

91 100

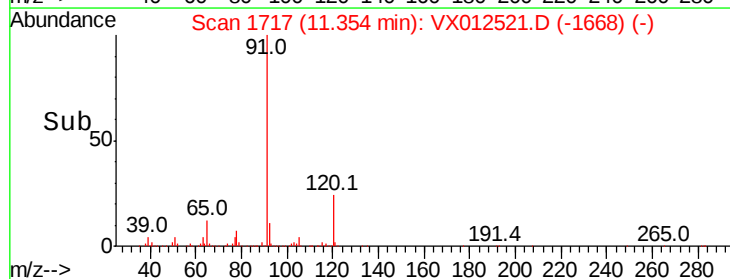
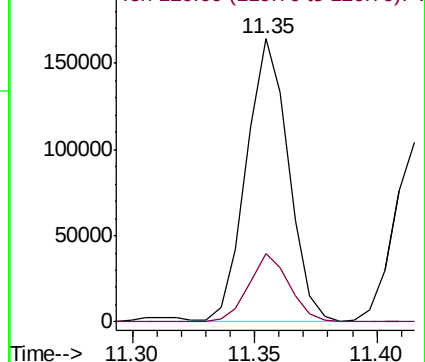
120 23.3 11.3 33.8

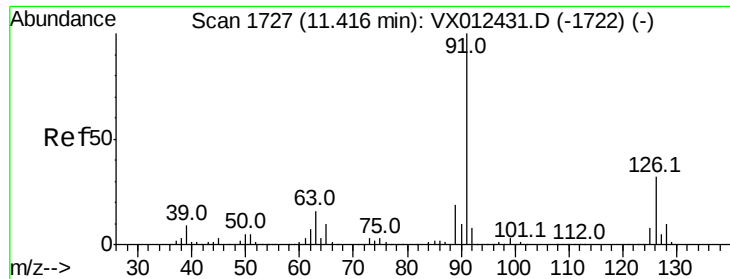


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

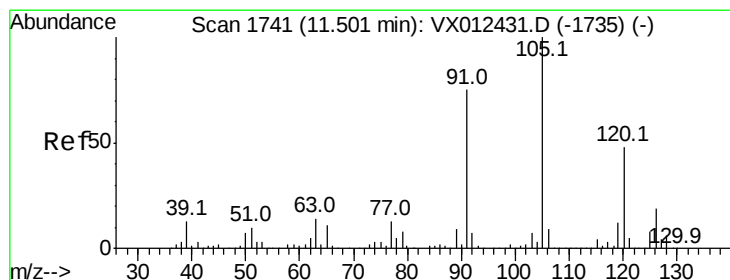
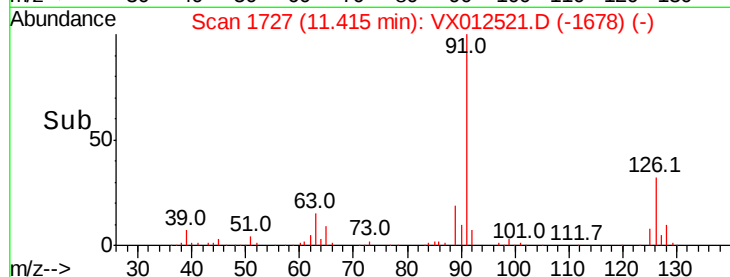
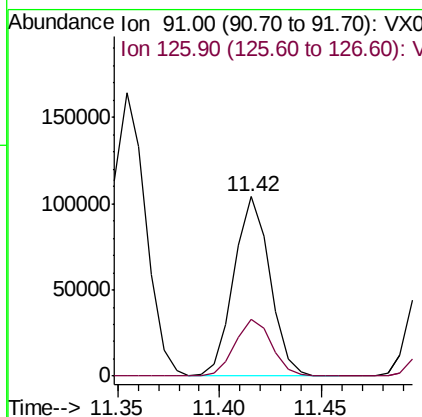
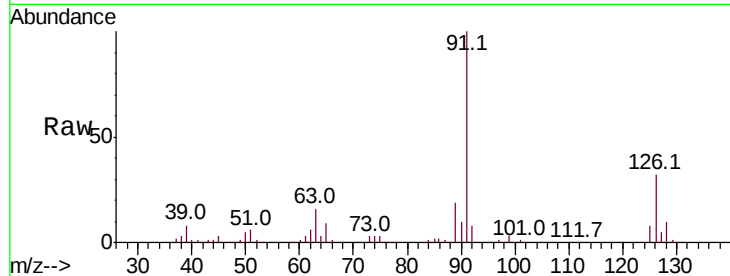




#79
2-Chlorotoluene
Concen: 19.961 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

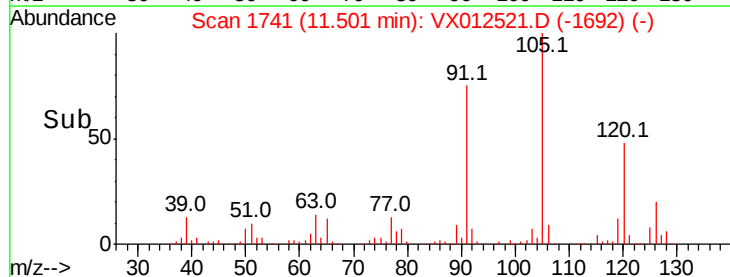
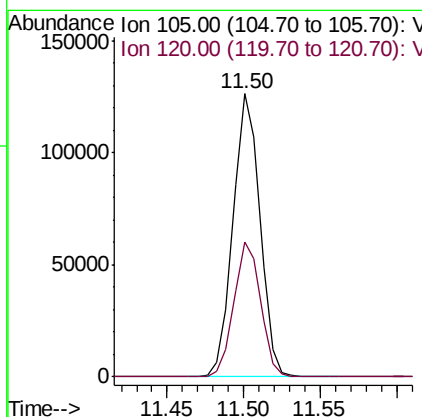
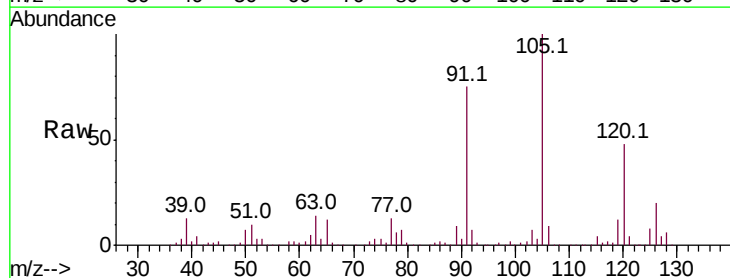
Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

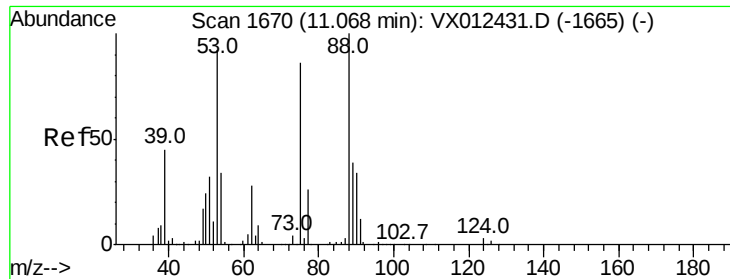
Tot Ion: 91 Resp: 126737
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.4



#80
1,3,5-Trimethylbenzene
Concen: 20.630 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:105 Resp: 154062
Ion Ratio Lower Upper
105 100
120 47.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.069 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

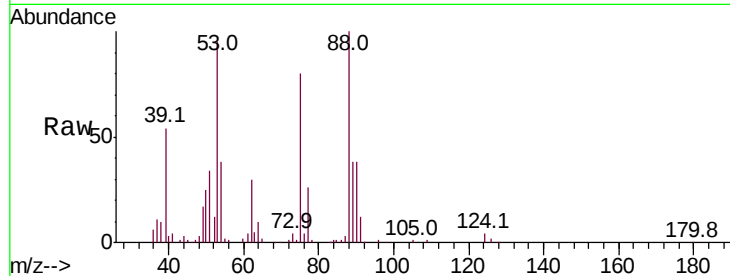
Tot Ion: 75 Resp: 18639

Ion Ratio Lower Upper

75 100

53 118.7 83.6 125.4

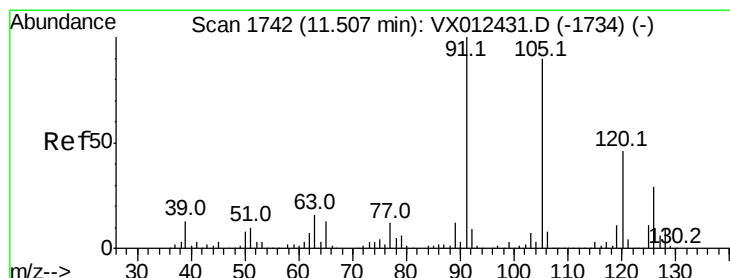
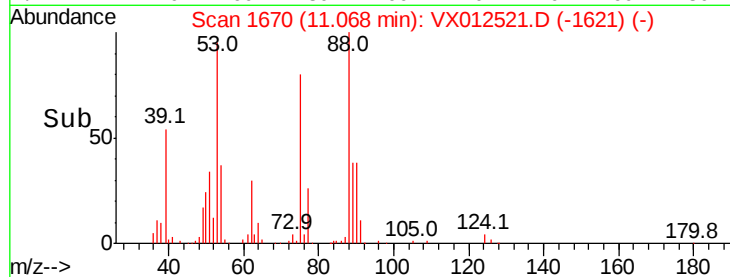
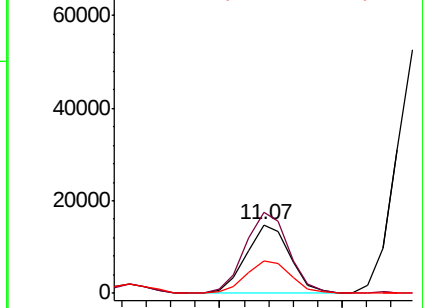
89 48.1 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.030 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012521.D

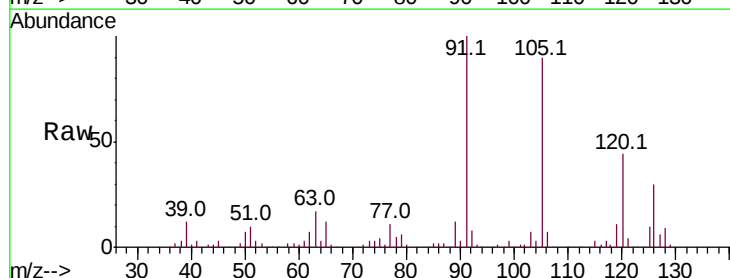
Acq: 19 Sep 2019 12:27

Tgt Ion: 91 Resp: 145955

Ion Ratio Lower Upper

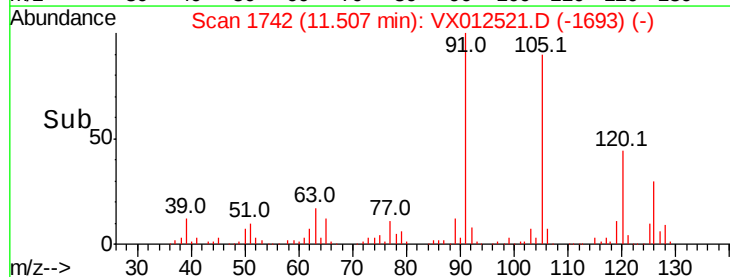
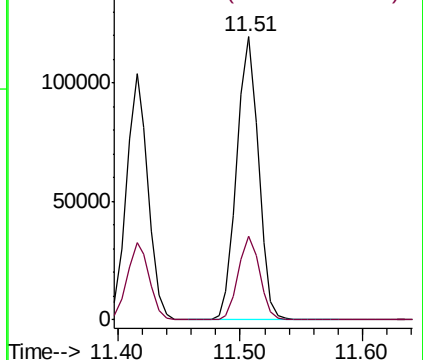
91 100

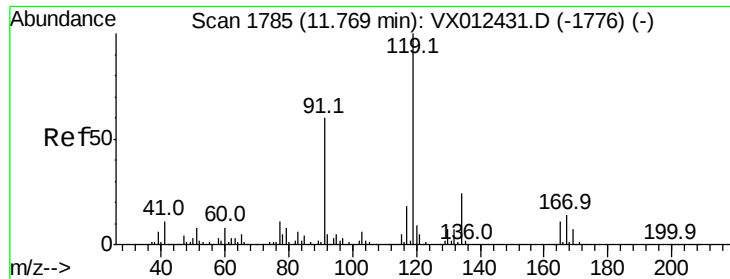
126 29.1 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

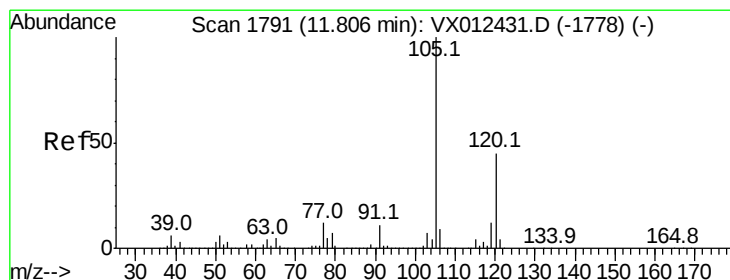
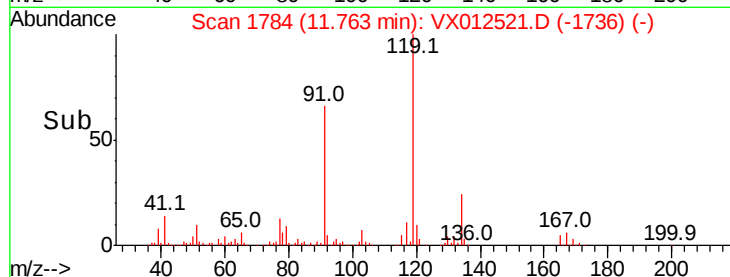
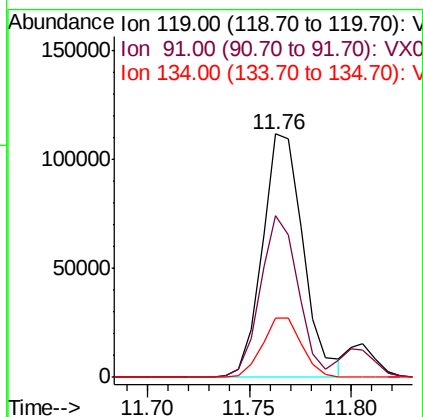
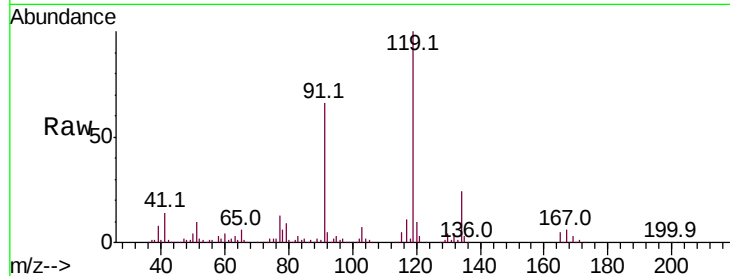




#83
 tert-Butylbenzene
 Concen: 19.499 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

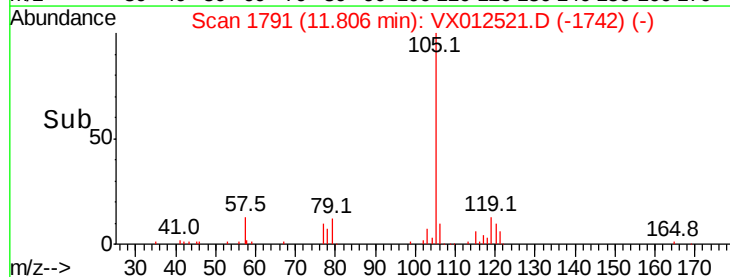
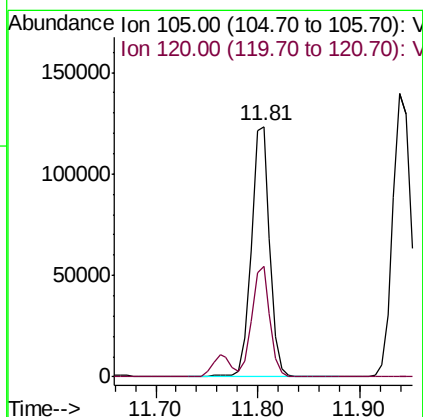
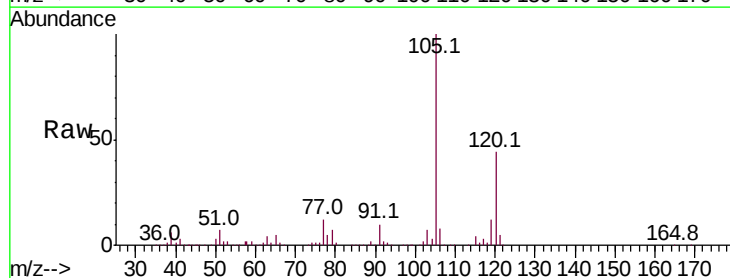
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

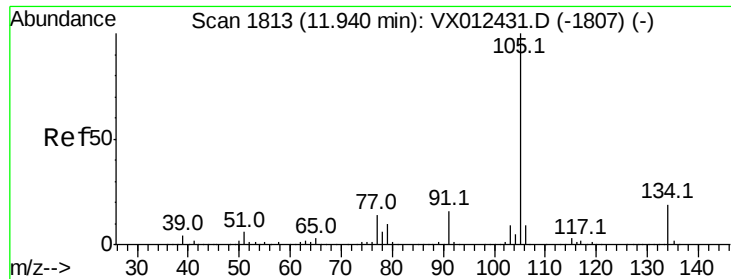
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.0	90.0
134	23.6	11.3	33.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.403 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.2	66.6

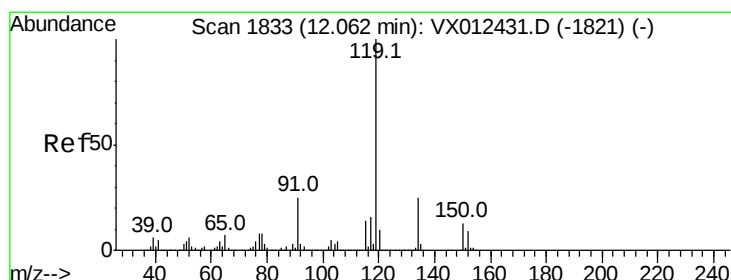
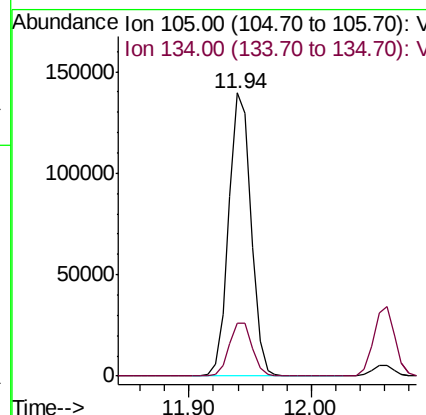
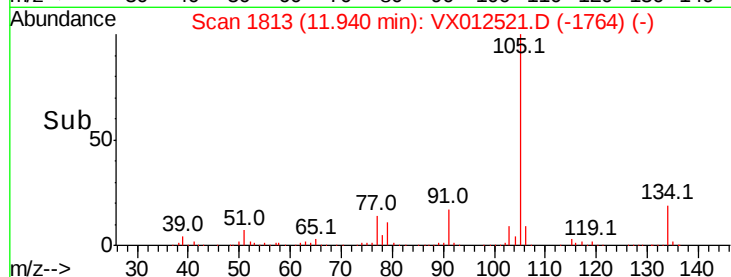
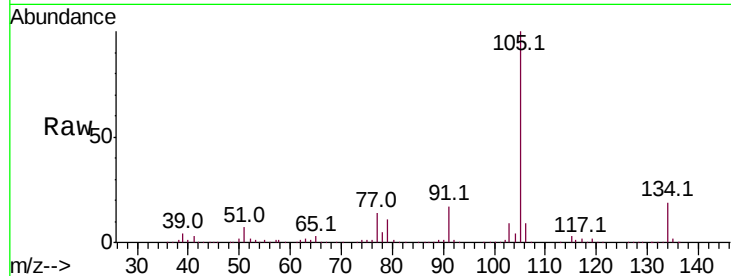




#85
 sec-Butylbenzene
 Concen: 19.911 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

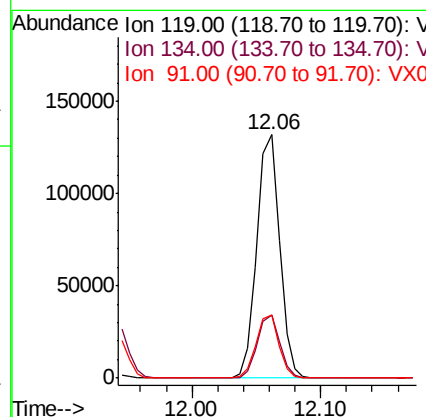
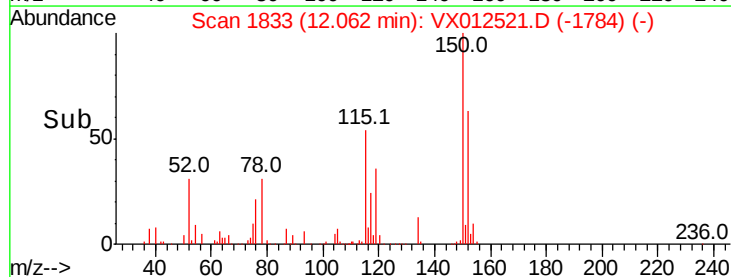
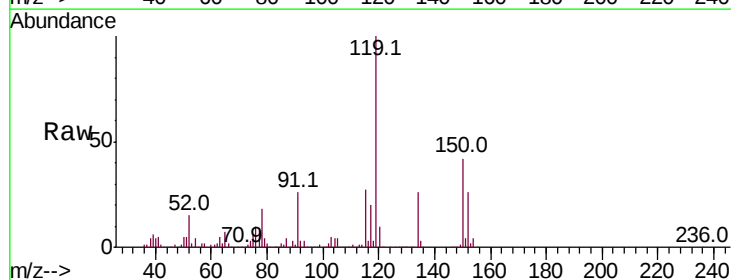
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

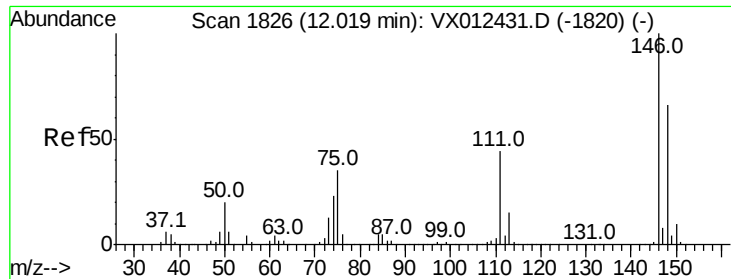
Tot Ion:105 Resp: 175570
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.767 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion:119 Resp: 160054
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 26.1 12.8 38.4

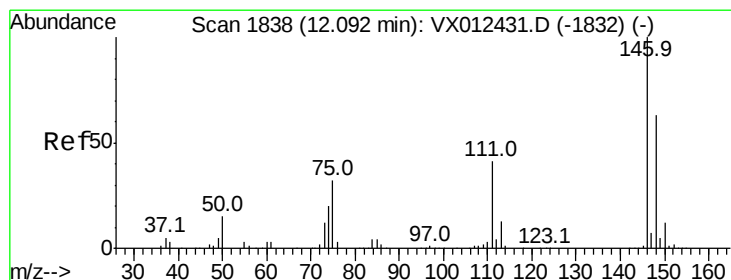
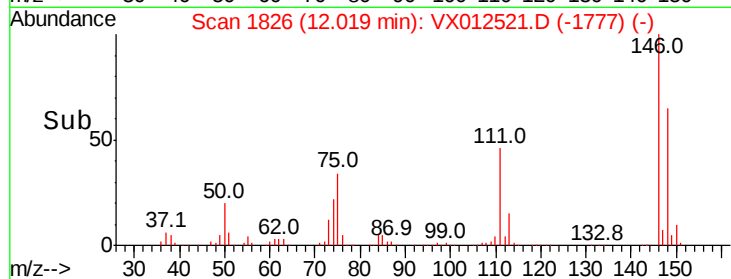
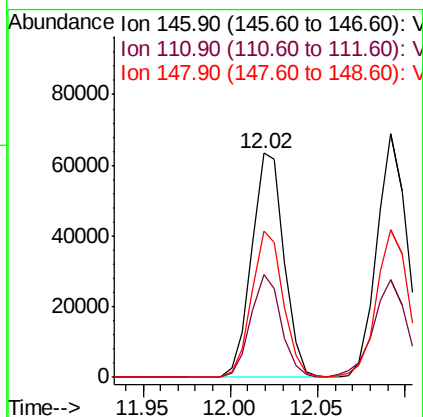
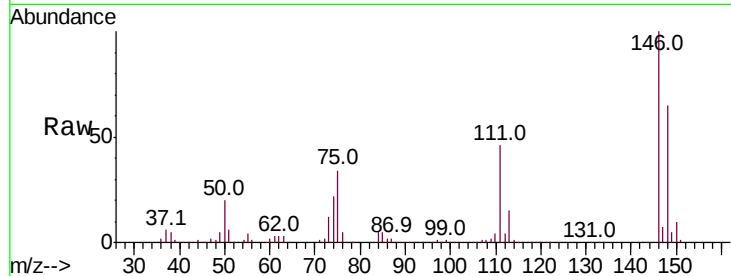




#87
 1,3-Dichlorobenzene
 Concen: 20.296 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

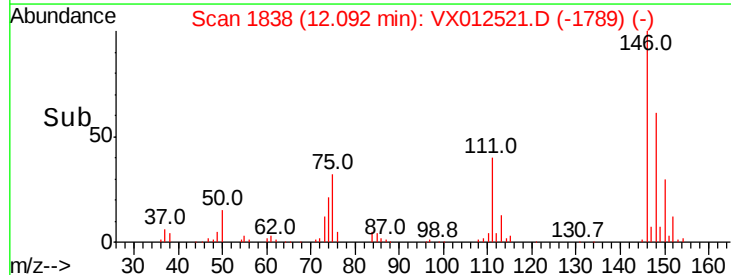
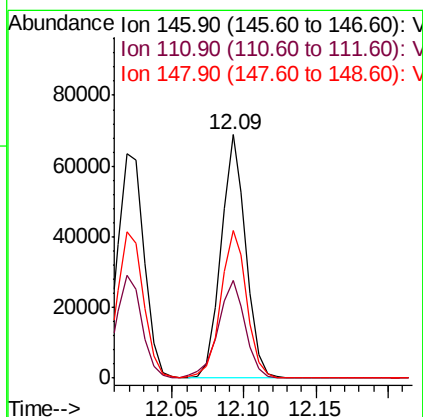
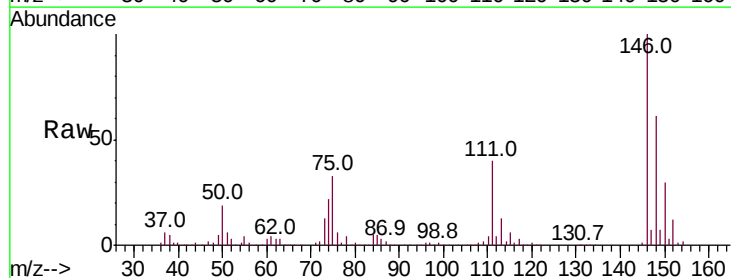
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

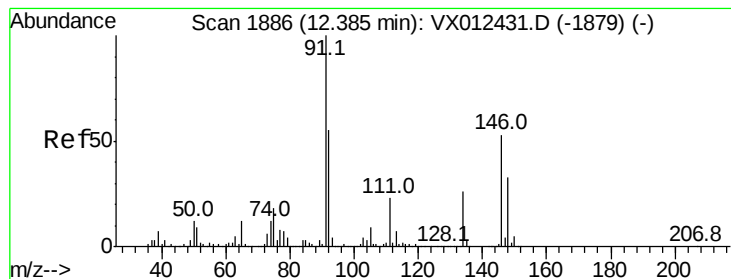
Tot Ion:146 Resp: 81532
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.3 64.0
 148 63.5 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion:146 Resp: 82980
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.3
 148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 18.651 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0919MBS01

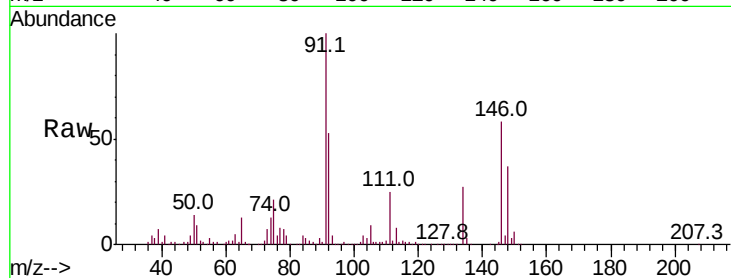
Tot Ion: 91 Resp: 134743

Ion Ratio Lower Upper

91 100

92 54.4 27.7 83.0

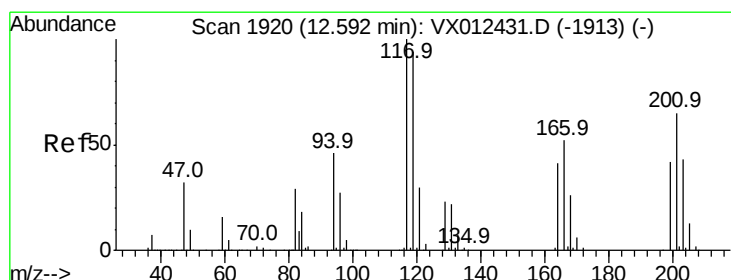
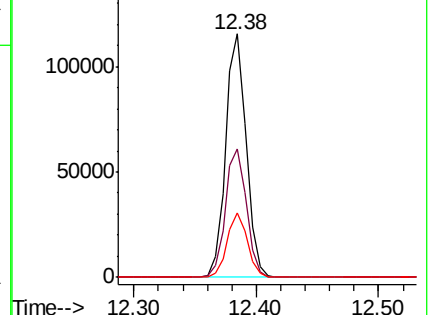
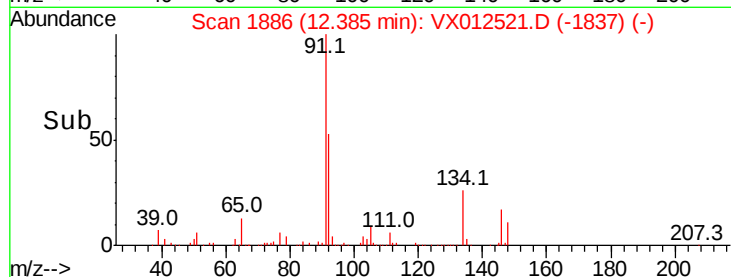
134 26.3 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.555 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX012521.D

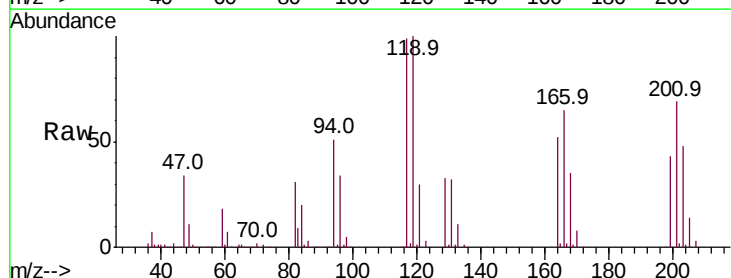
Acq: 19 Sep 2019 12:27

Tgt Ion: 117 Resp: 27548

Ion Ratio Lower Upper

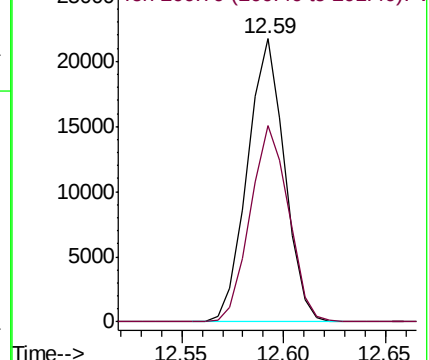
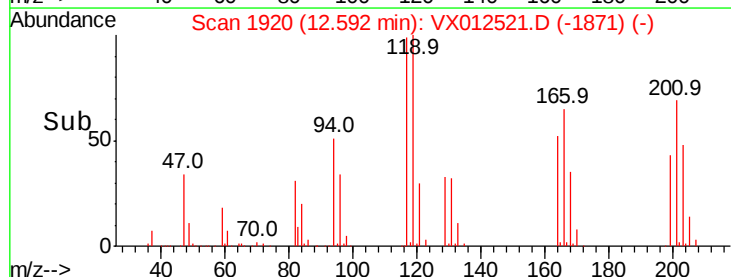
117 100

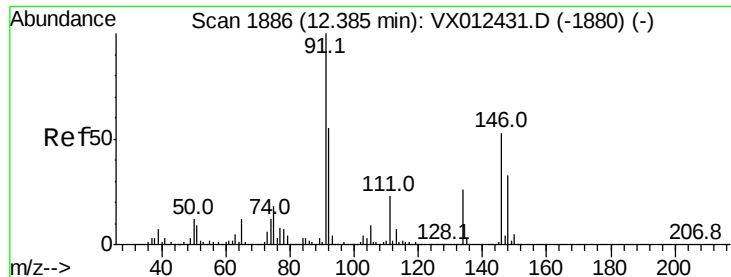
201 71.8 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

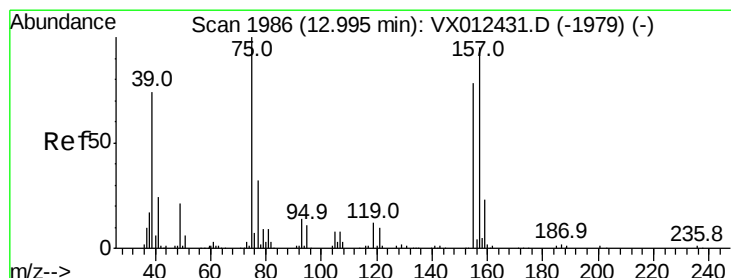
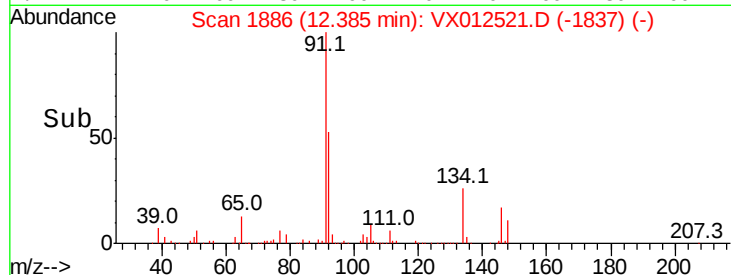
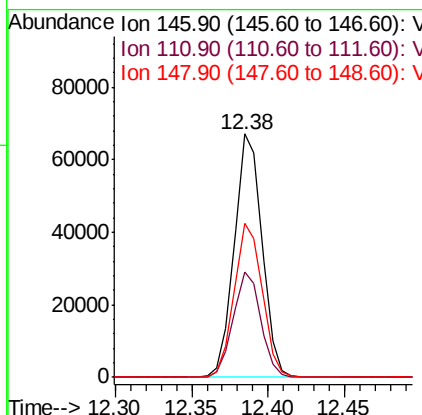
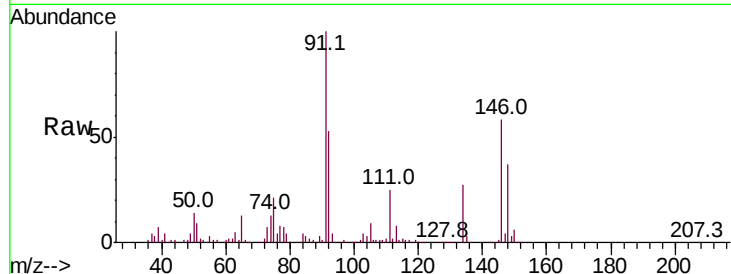




#91
 1,2-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

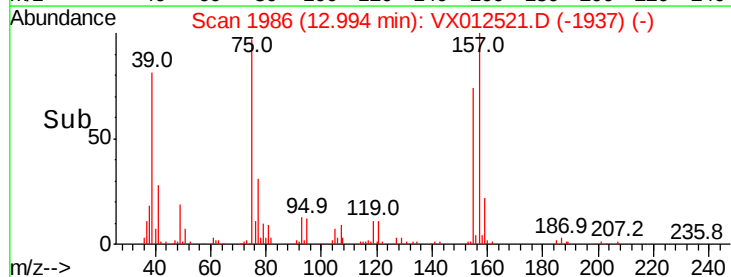
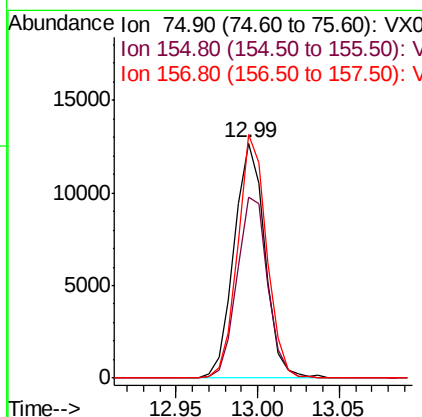
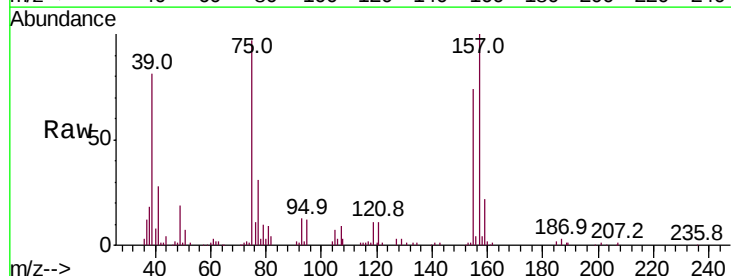
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

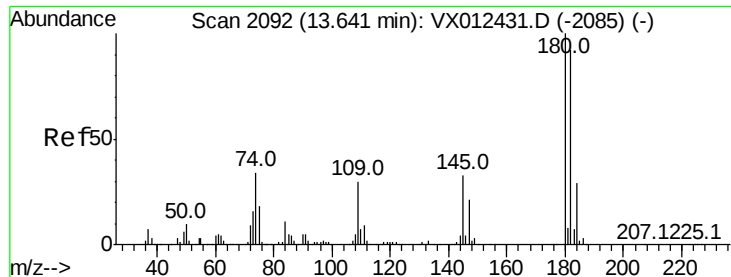
Tot Ion:146 Resp: 84634
 Ion Ratio Lower Upper
 146 100
 111 43.1 22.1 66.1
 148 64.1 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.683 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion: 75 Resp: 16638
 Ion Ratio Lower Upper
 75 100
 155 77.2 38.6 115.8
 157 97.3 50.6 151.9

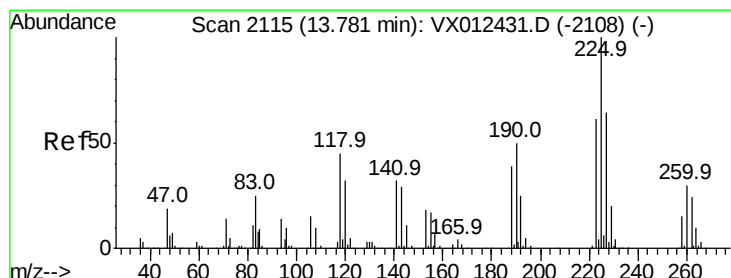
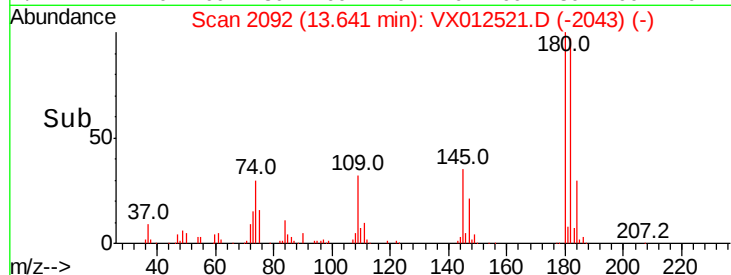
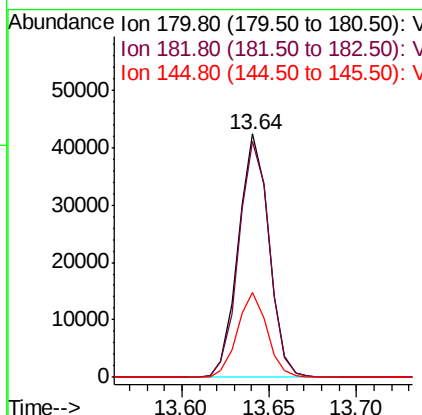
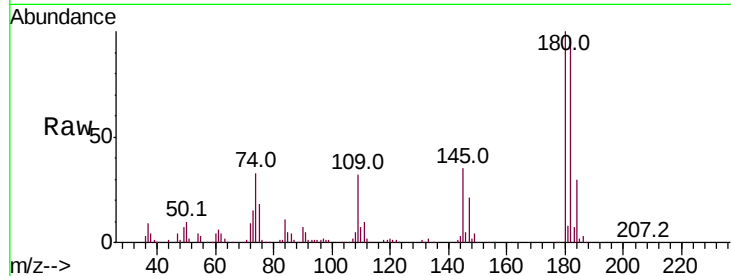




#93
 1,2,4-Trichlorobenzene
 Concen: 19.045 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

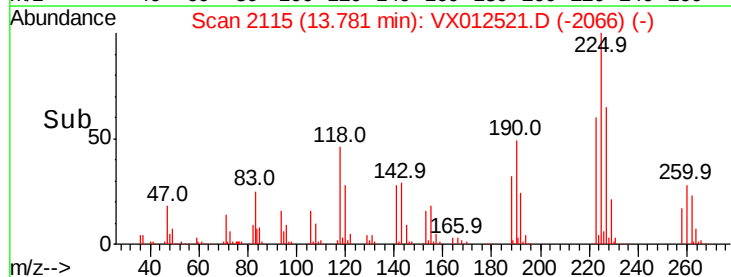
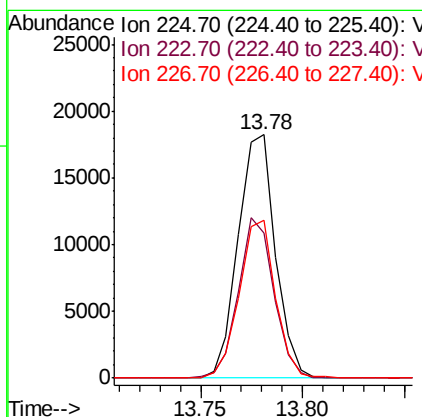
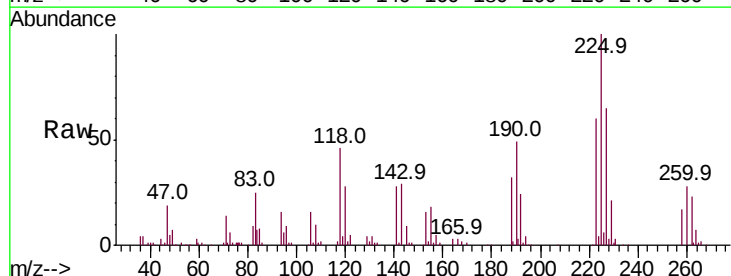
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

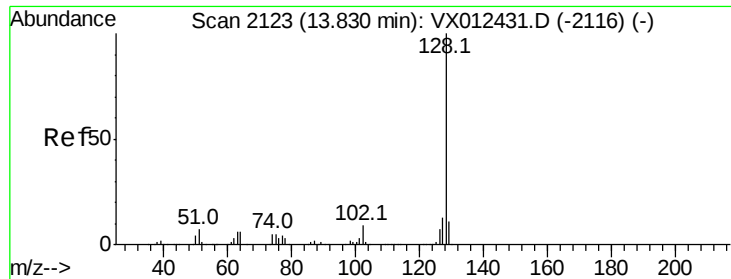
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.0	141.0
145	34.1	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 18.164 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.0	96.2
227	63.0	31.9	95.5

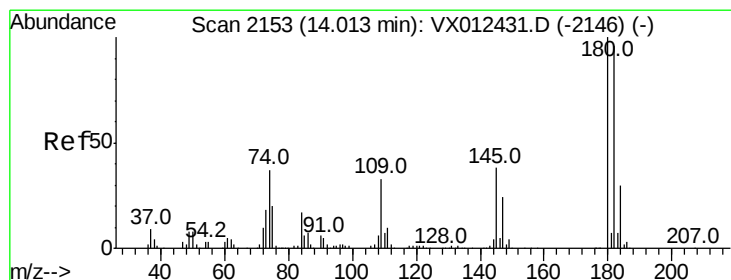
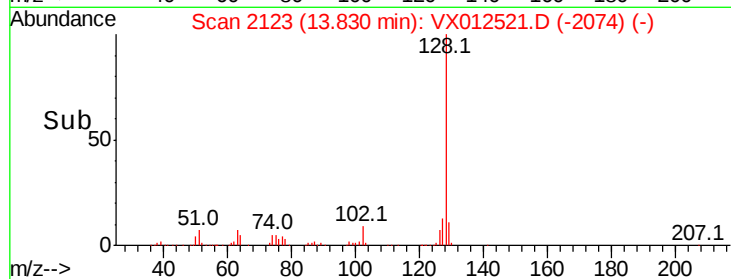
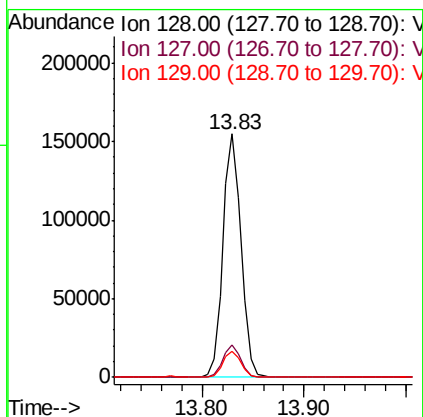
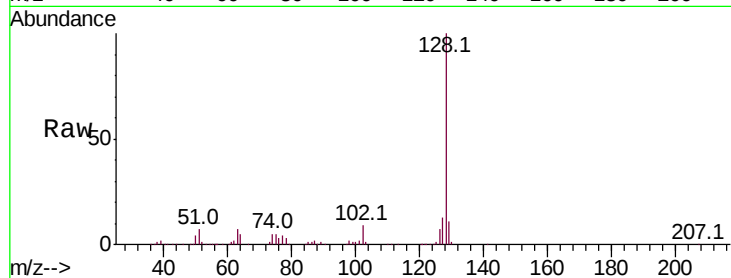




#95
Naphthalene
Concen: 19.920 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion:128 Resp: 191684
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.930 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:180 Resp: 54925
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 35.5 18.0 54.0

