

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004112.D
 Acq On : 16 Aug 2018 09:46
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 14:06:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449008	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	392107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	207557	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.51	113	174547	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	8.72	98	675433	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.14	95	232060	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	144836	50.004	ug/l	100
3) Chloromethane	1.32	50	170023	47.834	ug/l	99
4) Vinyl Chloride	1.40	62	187520	48.760	ug/l	98
5) Bromomethane	1.64	94	102128	52.412	ug/l	98
6) Chloroethane	1.72	64	128230	50.716	ug/l	98
7) Trichlorofluoromethane	1.93	101	263413	48.826	ug/l	99
8) Diethyl Ether	2.18	74	116836	49.607	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	158228	47.014	ug/l	100
10) Methyl Iodide	2.51	142	183228	50.876	ug/l	100
11) Tert butyl alcohol	3.04	59	191561	226.905	ug/l	100
12) 1,1-Dichloroethene	2.37	96	154172	49.253	ug/l	97
13) Acrolein	2.29	56	108592	192.233	ug/l	100
14) Allyl chloride	2.73	41	265691	44.609	ug/l	97
15) Acrylonitrile	3.14	53	505372	240.091	ug/l	100
16) Acetone	2.44	43	519383	238.283	ug/l	99
17) Carbon Disulfide	2.57	76	423611	47.712	ug/l	99
18) Methyl Acetate	2.77	43	237411	49.014	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	545546	49.468	ug/l	100
20) Methylene Chloride	2.86	84	181331	50.909	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	170426	47.941	ug/l	98
22) Diisopropyl ether	3.87	45	614311	52.636	ug/l	97
23) Vinyl Acetate	3.82	43	2534696	264.421	ug/l	99
24) 1,1-Dichloroethane	3.70	63	340676	51.535	ug/l	100
25) 2-Butanone	4.70	43	848837	239.344	ug/l	99
26) 2,2-Dichloropropane	4.59	77	108641	20.671	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	201167	50.323	ug/l	92
28) Bromochloromethane	5.02	49	159926	52.730	ug/l	99
29) Tetrahydrofuran	5.15	42	436527	240.915	ug/l	99
30) Chloroform	5.21	83	329163	51.020	ug/l	98
31) Cyclohexane	5.57	56	285568	49.277	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	279883	51.914	ug/l	99
36) 1,1-Dichloropropene	5.80	75	247203	48.383	ug/l	100
37) Ethyl Acetate	4.85	43	263041	47.275	ug/l	99
38) Carbon Tetrachloride	5.78	117	246190	49.594	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280576	48.405	ug/l	99
40) Benzene	6.15	78	768403	50.084	ug/l	100
41) Methacrylonitrile	5.06	41	145429	46.670	ug/l	99
42) 1,2-Dichloroethane	6.20	62	262531	48.884	ug/l	100
43) Isopropyl Acetate	6.46	43	405695	49.467	ug/l	100
44) Trichloroethene	7.21	130	202169	48.539	ug/l	94
45) 1,2-Dichloropropane	7.52	63	196650	50.069	ug/l	100
46) Dibromomethane	7.67	93	127348	49.616	ug/l	99
47) Bromodichloromethane	7.90	83	246258	50.658	ug/l	99
48) Methyl methacrylate	7.78	41	214574	51.974	ug/l	99
49) 1,4-Dioxane	7.76	88	85858	923.703	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1719113	255.643	ug/l	100
52) Toluene	8.79	92	488936	50.390	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	244392	46.537	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	270566	46.523	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	198496	49.538	ug/l	98
56) Ethyl methacrylate	9.18	69	291372	53.475	ug/l	99
57) 1,3-Dichloropropane	9.37	76	334154	50.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	758684	273.444	ug/l	100
59) 2-Hexanone	9.50	43	1307134	258.273	ug/l	100
60) Dibromochloromethane	9.59	129	198377	51.447	ug/l	100
61) 1,2-Dibromoethane	9.67	107	204049	49.954	ug/l	100
64) Tetrachloroethene	9.34	164	210350	56.602	ug/l	95
65) Chlorobenzene	10.14	112	508765	50.231	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	183136	53.014	ug/l	98
67) Ethyl Benzene	10.25	91	873567	54.466	ug/l	94
68) m/p-Xylenes	10.36	106	680342	108.323	ug/l	99
69) o-Xylene	10.70	106	328125	54.666	ug/l	96
70) Styrene	10.71	104	563365	55.770	ug/l	98
71) Bromoform	10.86	173	143276	52.303	ug/l	99
73) Isopropylbenzene	11.02	105	915459	51.790	ug/l	98
74) N-amyl acetate	6.46	43	405695	48.796	ug/l	# 100
75) 1,1,1,2-Tetrachloroethane	11.27	83	285495	46.250	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	300770	57.418	ug/l	83
77) Bromobenzene	11.26	156	226024	46.385	ug/l	97
78) n-propylbenzene	11.36	91	998828	50.493	ug/l	98
79) 2-Chlorotoluene	11.42	91	576379	47.812	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	735923	50.846	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	65215	38.539	ug/l	97
82) 4-Chlorotoluene	11.51	91	682138	47.870	ug/l	98
83) tert-Butylbenzene	11.77	119	750712	51.443	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	777354	51.857	ug/l	98
85) sec-Butylbenzene	11.94	105	855931	50.114	ug/l	97
86) p-Isopropyltoluene	12.07	119	816641	52.815	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	457726	49.253	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	459954	48.088	ug/l	100
89) n-Butylbenzene	12.39	91	646721	53.079	ug/l	98
90) Hexachloroethane	12.60	117	112836	48.771	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	407800	48.656	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53414	49.234	ug/l	98

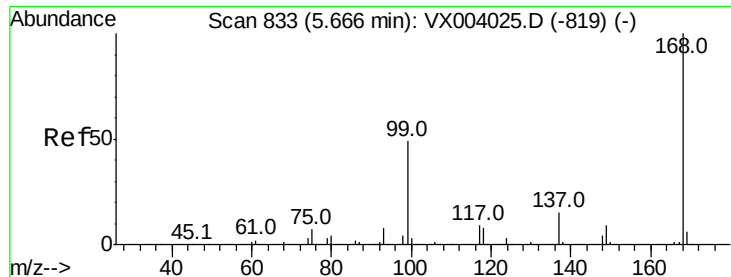
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	294924	51.477	ug/l	100
94) Hexachlorobutadiene	13.79	225	130709	45.513	ug/l	96
95) Naphthalene	13.83	128	949111	51.924	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	324745	51.981	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

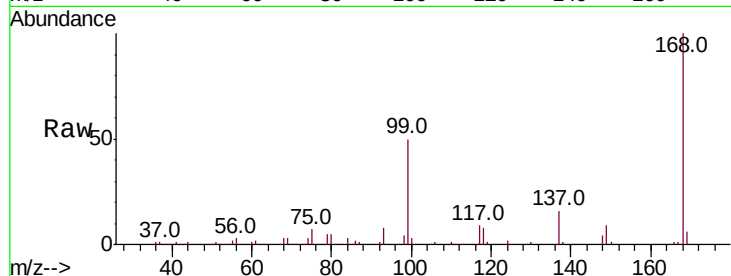
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 297551

Ion Ratio Lower Upper

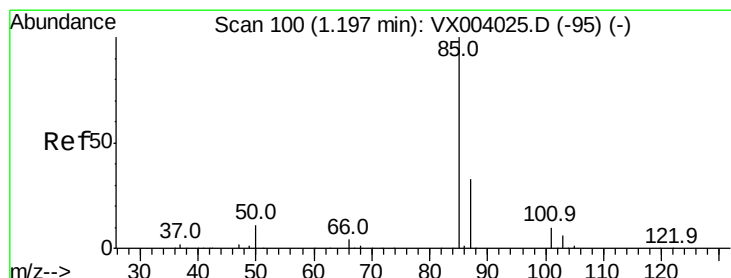
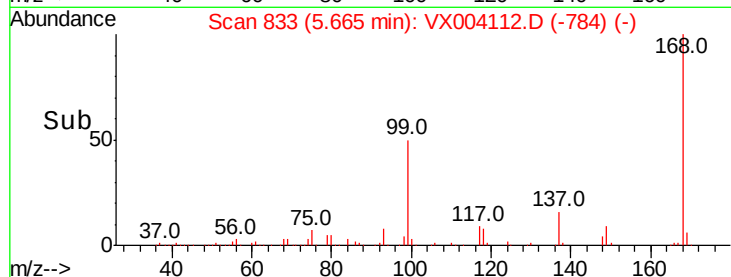
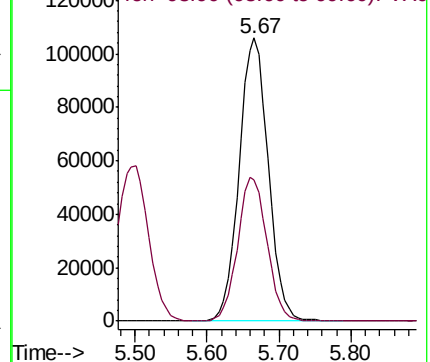
168 100

99 49.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.004 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004112.D

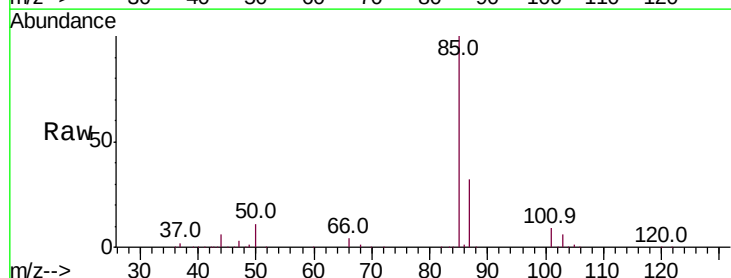
Acq: 16 Aug 2018 09:46

Tgt Ion: 85 Resp: 144836

Ion Ratio Lower Upper

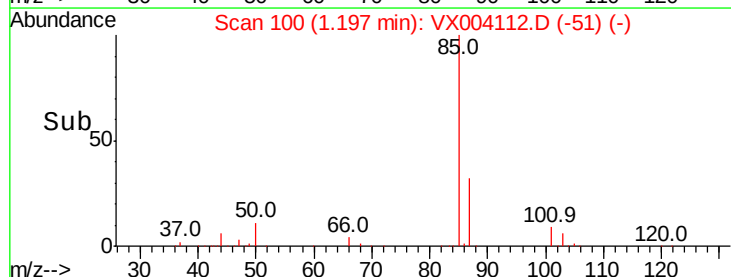
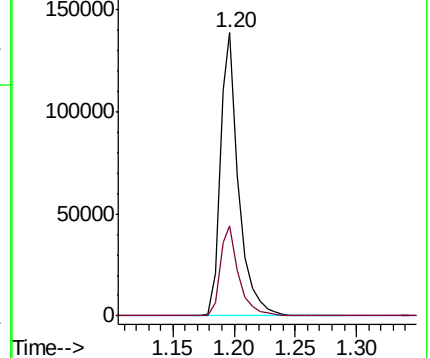
85 100

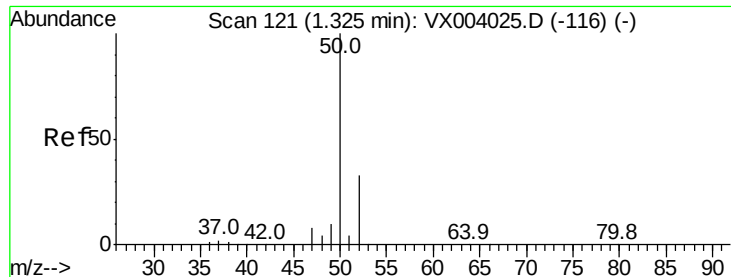
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.834 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

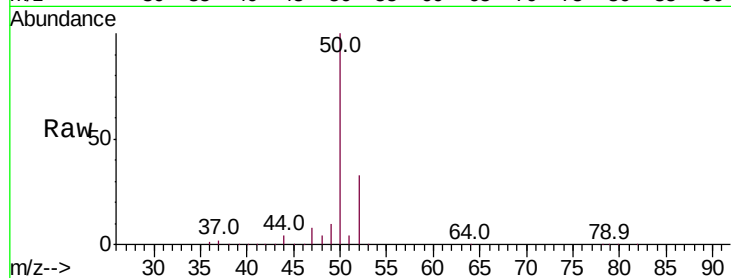
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 170023

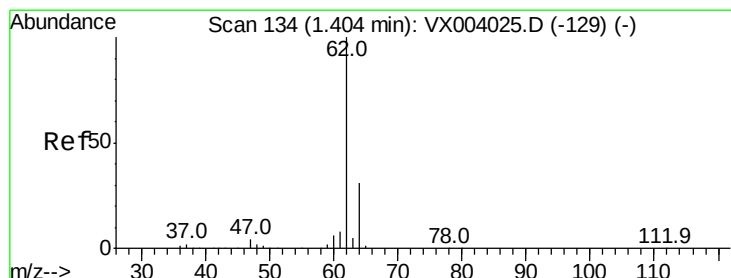
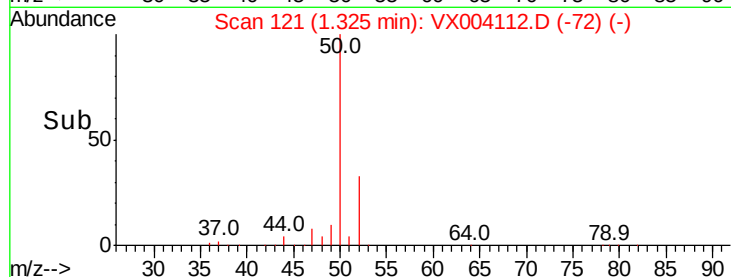
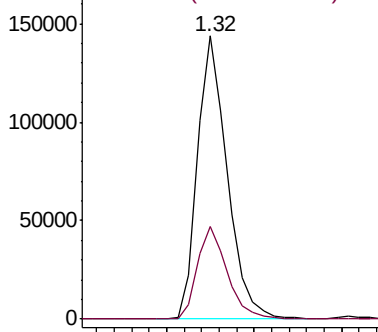
Ion Ratio Lower Upper

50 100

52 32.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.760 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004112.D

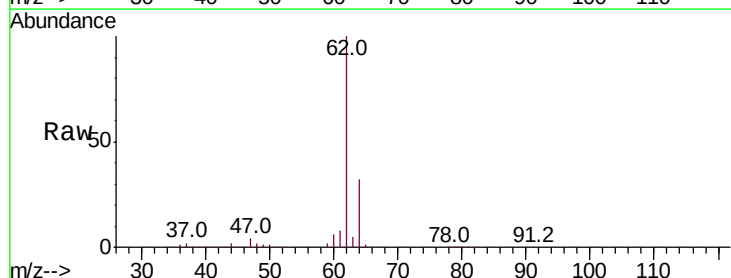
Acq: 16 Aug 2018 09:46

Tgt Ion: 62 Resp: 187520

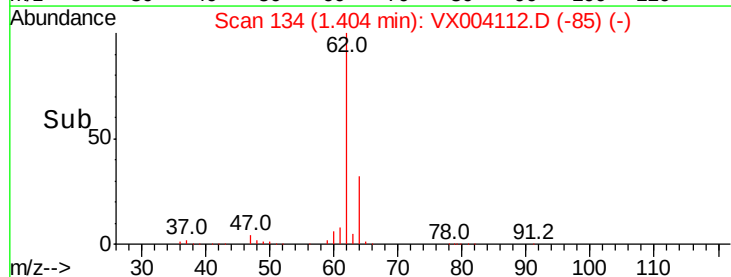
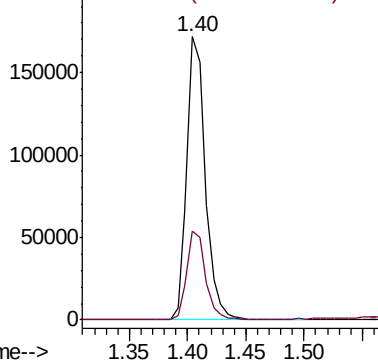
Ion Ratio Lower Upper

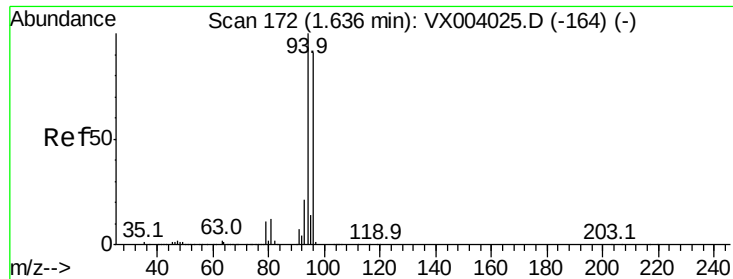
62 100

64 31.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.412 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

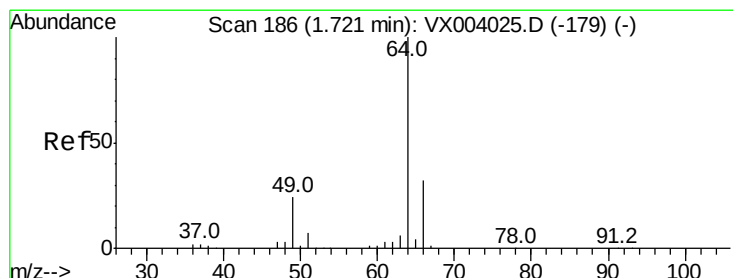
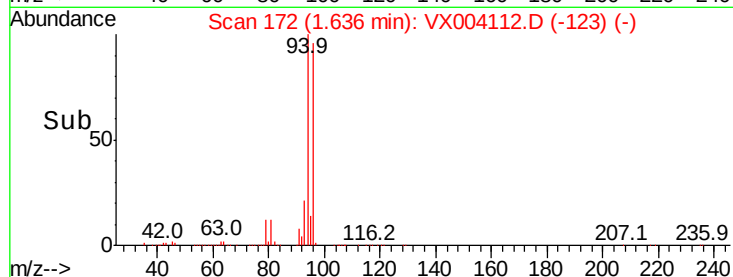
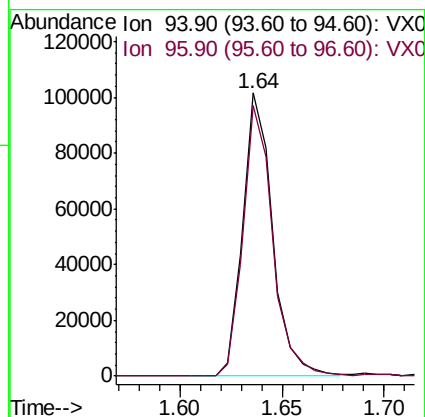
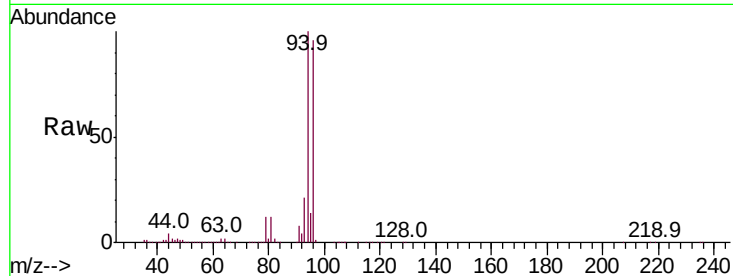
ClientSampled :

Tot Ion: 94 Resp: 102128

Ion Ratio Lower Upper

94 100

96 95.6 75.2 112.8



#6

Chloroethane

Concen: 50.716 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004112.D

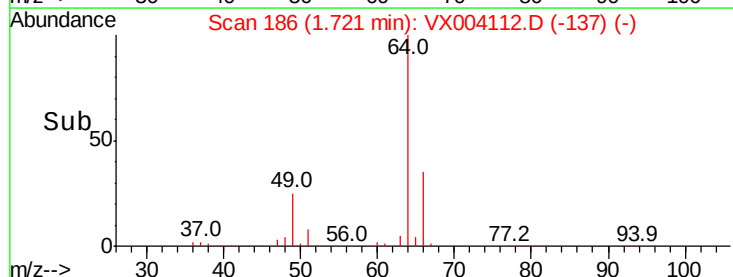
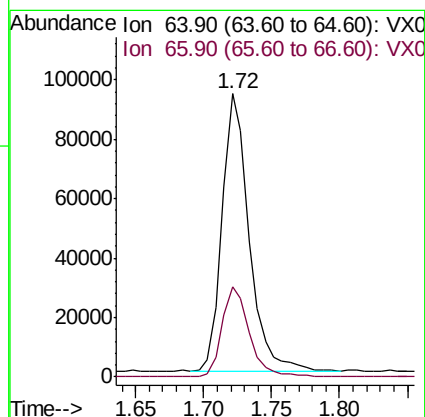
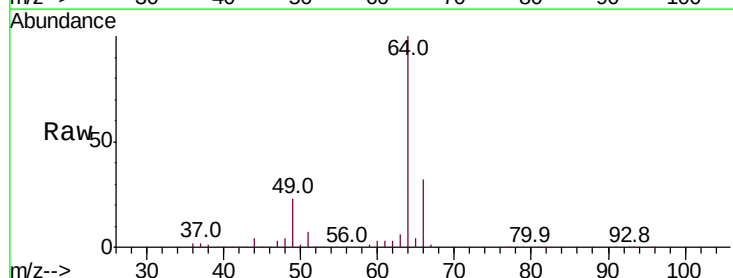
Acq: 16 Aug 2018 09:46

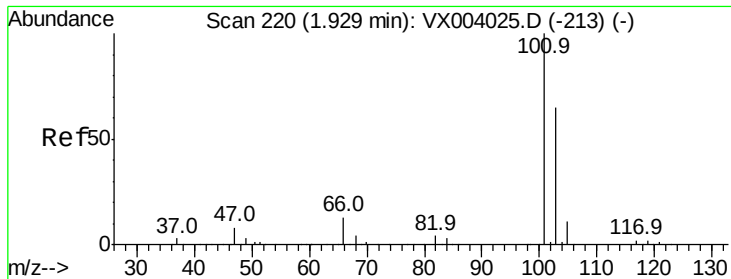
Tgt Ion: 64 Resp: 128230

Ion Ratio Lower Upper

64 100

66 32.2 26.5 39.7



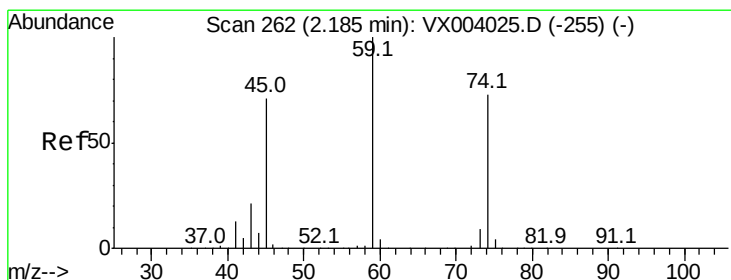
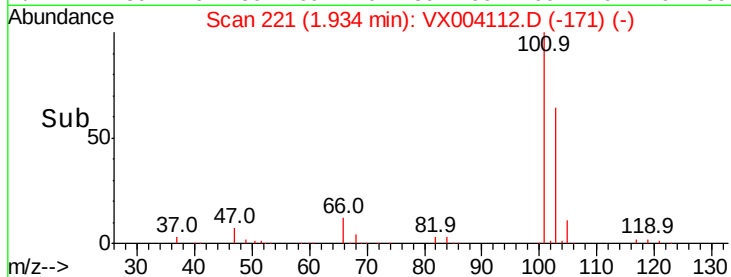
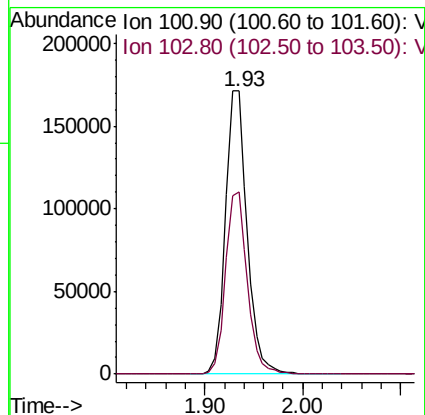
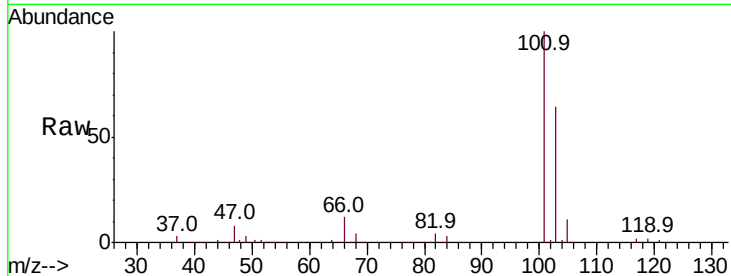


#7

Trichlorofluoromethane
 Concen: 48.826 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Instrument :
 MSVOA_X
 ClientSampleId :

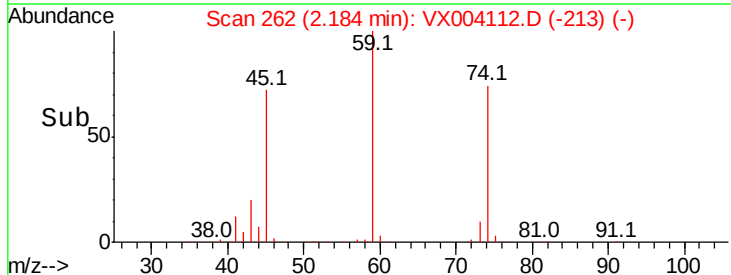
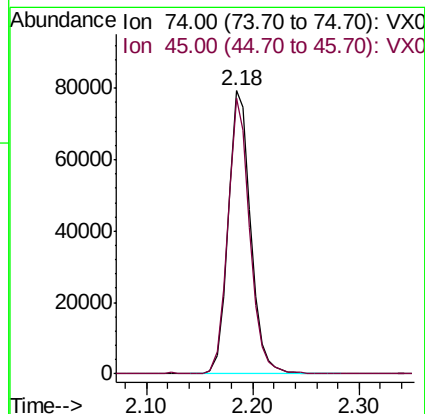
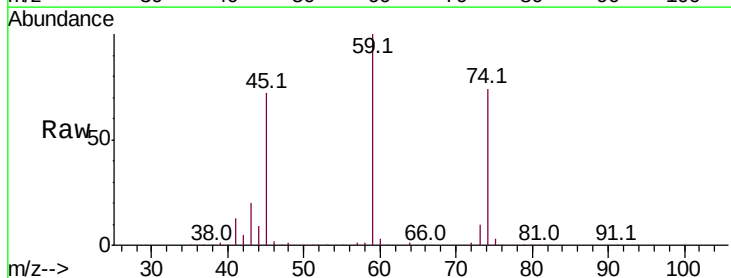
Tot Ion:101 Resp: 263413
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.3 78.5

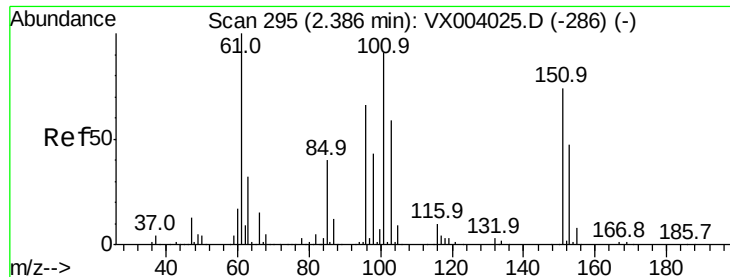


#8

Diethyl Ether
 Concen: 49.607 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 74 Resp: 116836
 Ion Ratio Lower Upper
 74 100
 45 94.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.014 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

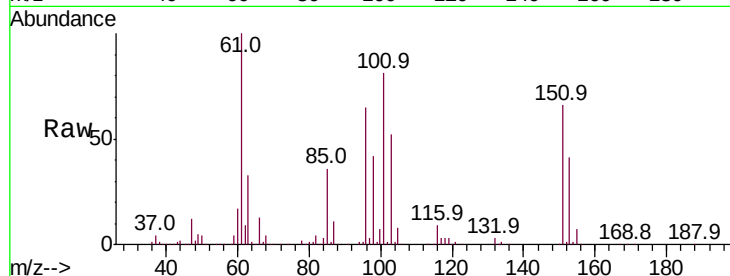
Tot Ion:101 Resp: 158228

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

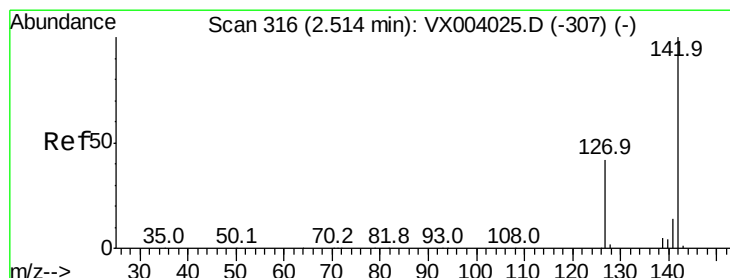
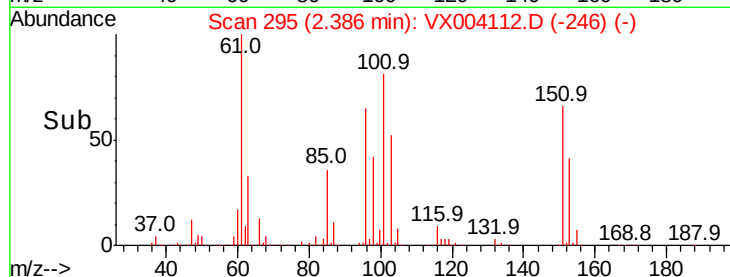
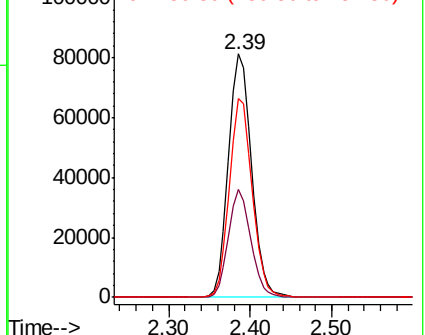
151 81.0 65.0 97.4



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: 50.876 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

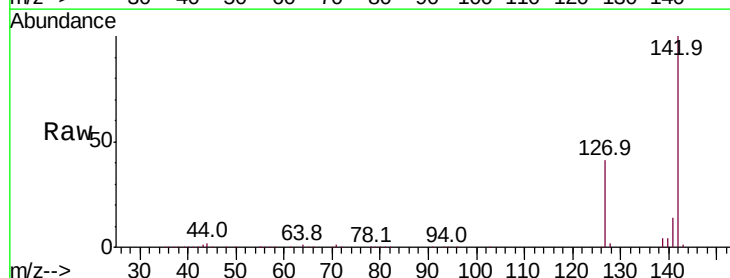
Tgt Ion:142 Resp: 183228

Ion Ratio Lower Upper

142 100

127 41.3 33.1 49.7

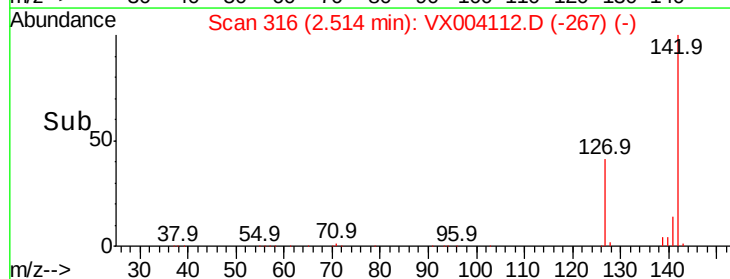
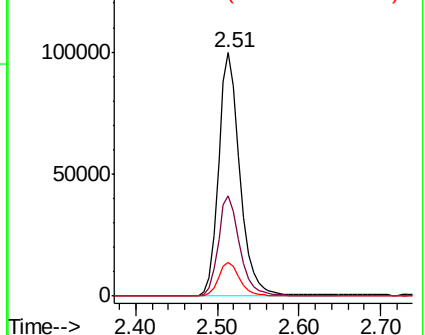
141 14.1 11.1 16.7

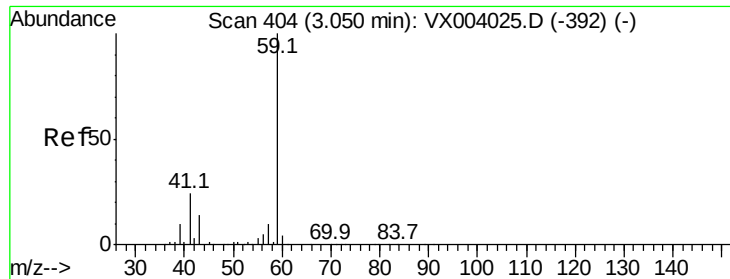


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

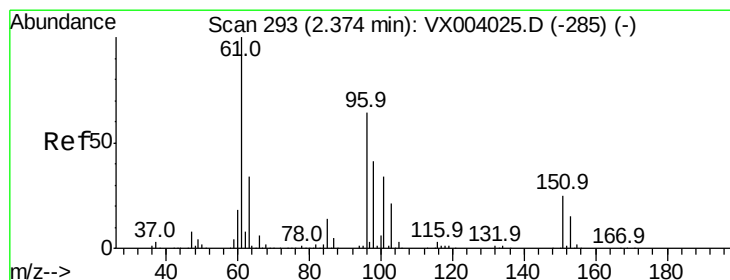
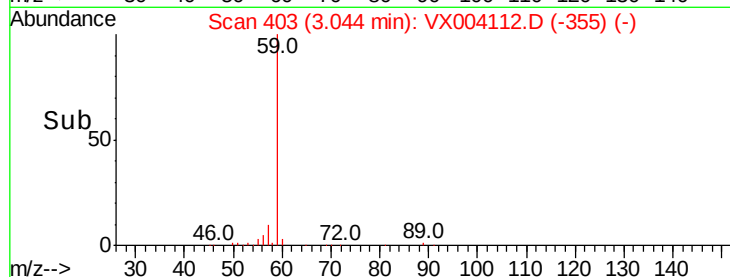
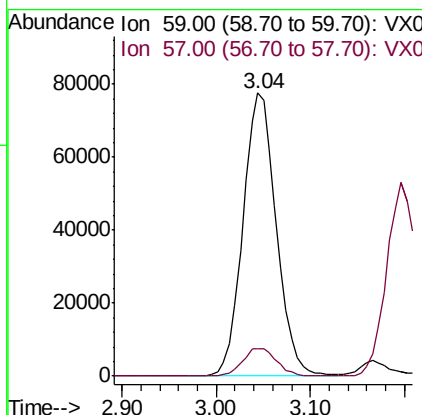
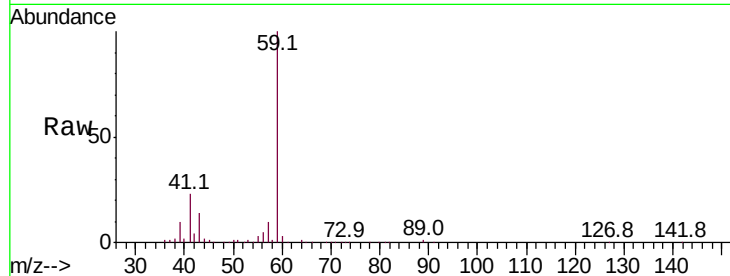




#11
Tert butyl alcohol
Concen: 226.905 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

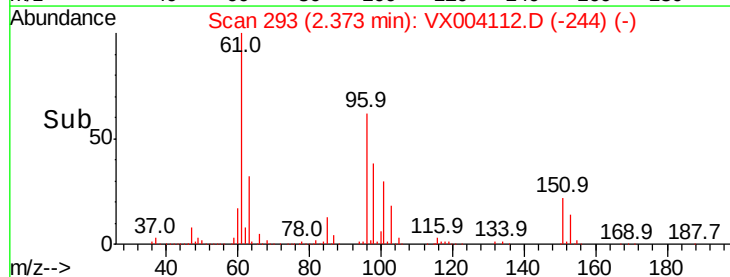
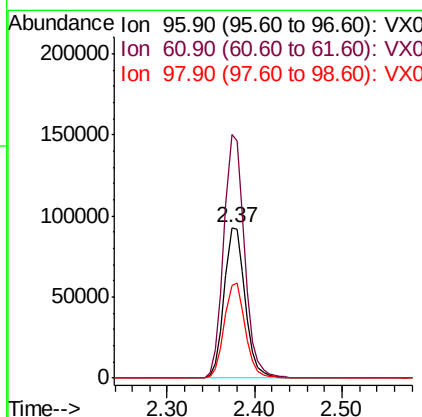
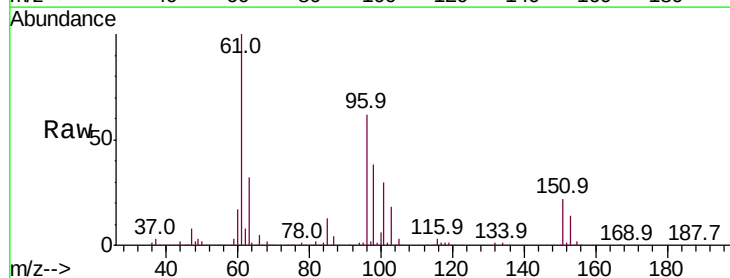
Instrument :
MSVOA_X
ClientSampled :

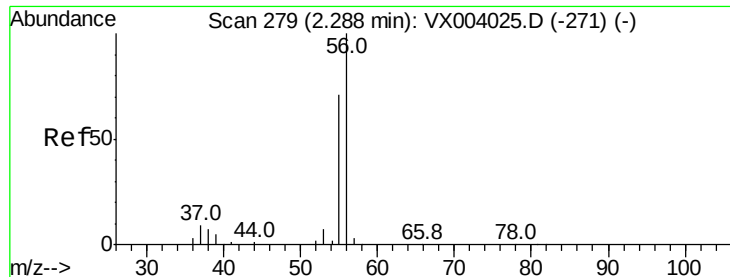
Tot Ion: 59 Resp: 191561
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1



#12
1,1-Dichloroethene
Concen: 49.253 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion: 96 Resp: 154172
Ion Ratio Lower Upper
96 100
61 161.6 131.3 196.9
98 61.1 51.8 77.6

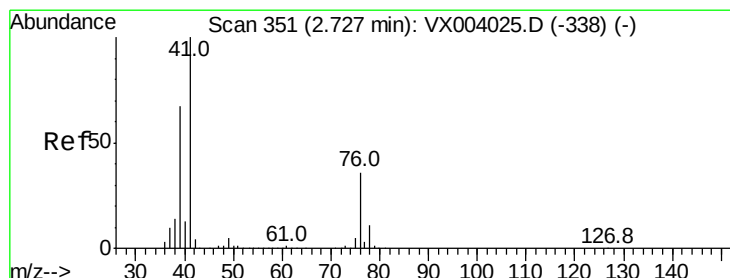
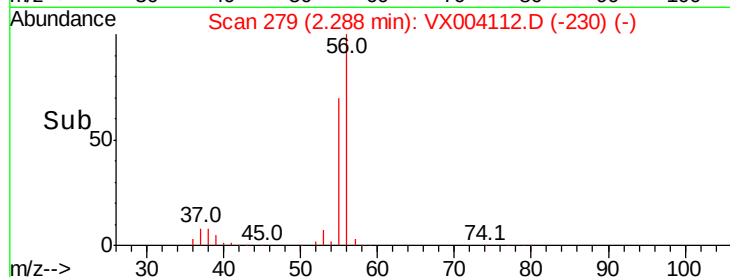
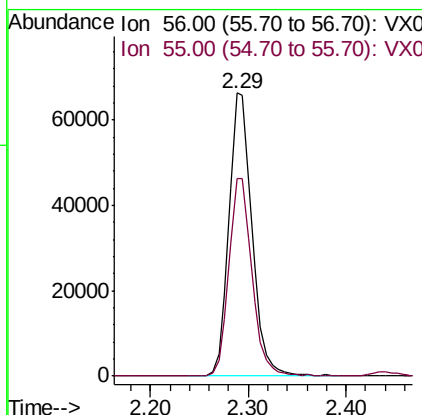
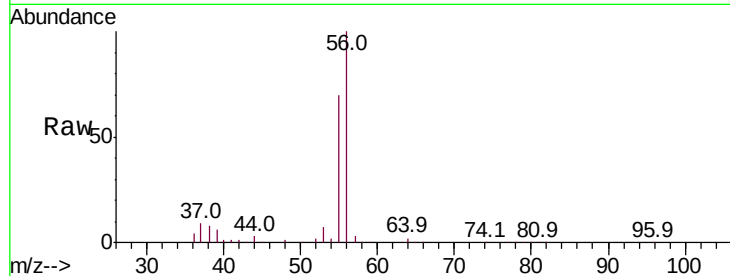




#13
 Acrolein
 Concen: 192.233 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

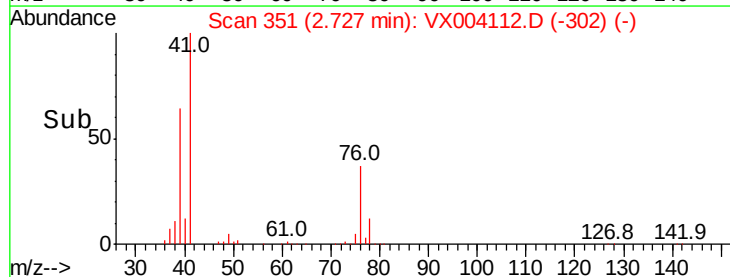
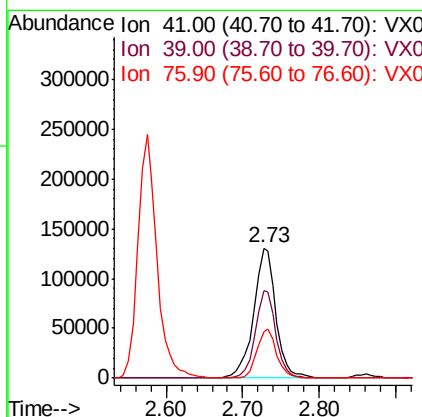
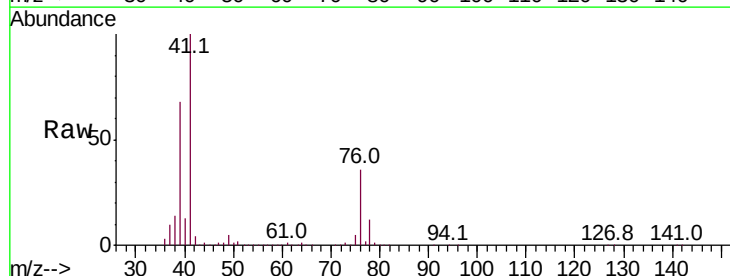
Instrument :
 MSVOA_X
 ClientSampleId :

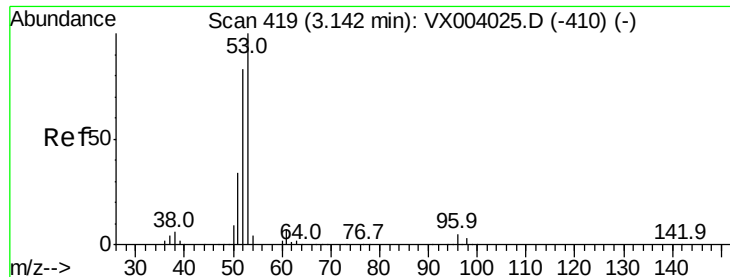
Tot Ion: 56 Resp: 108592
 Ion Ratio Lower Upper
 56 100
 55 70.3 56.1 84.1



#14
 Allyl chloride
 Concen: 44.609 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 41 Resp: 265691
 Ion Ratio Lower Upper
 41 100
 39 62.0 47.4 71.0
 76 33.4 26.0 39.0





#15

Acrylonitrile

Concen: 240.091 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampleId :

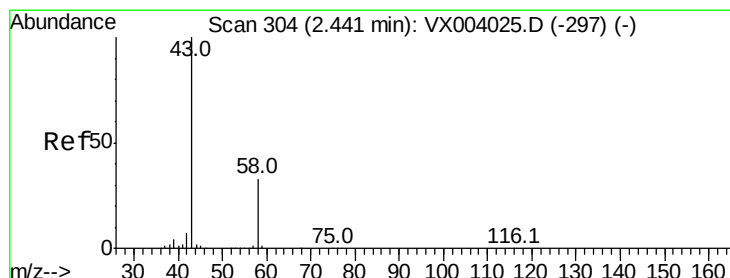
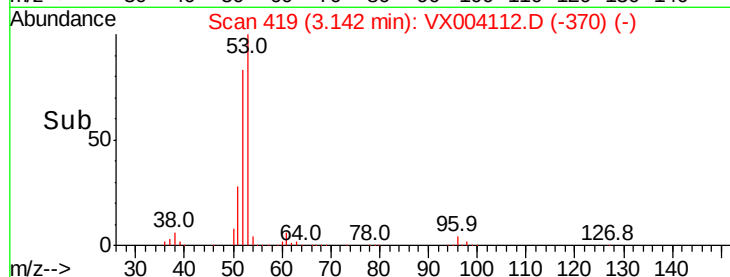
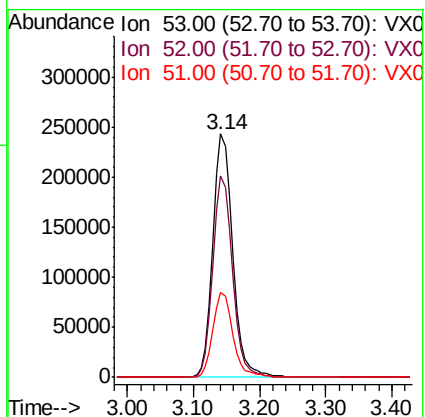
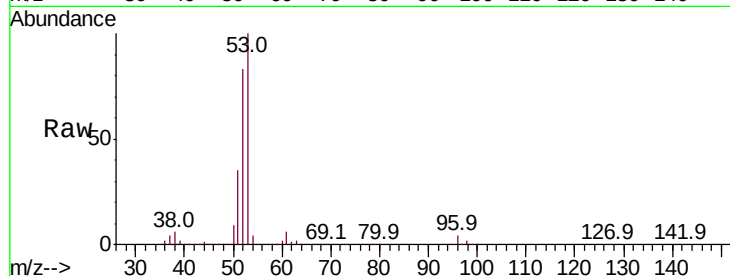
Tot Ion: 53 Resp: 505372

Ion Ratio Lower Upper

53 100

52 81.9 65.3 97.9

51 35.3 27.9 41.9



#16

Acetone

Concen: 238.283 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004112.D

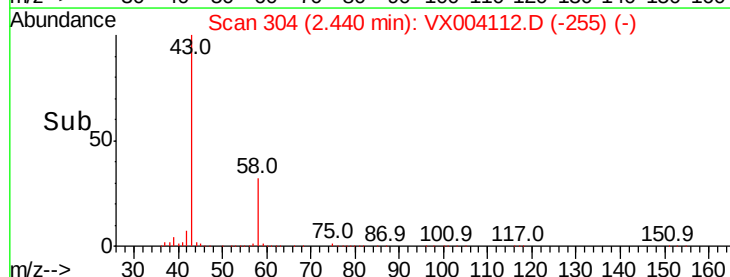
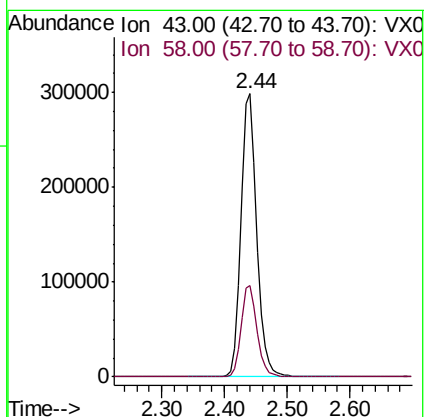
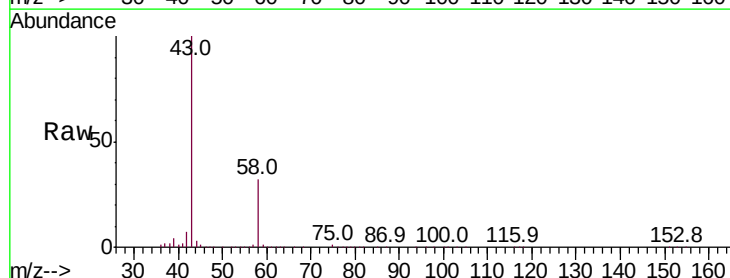
Acq: 16 Aug 2018 09:46

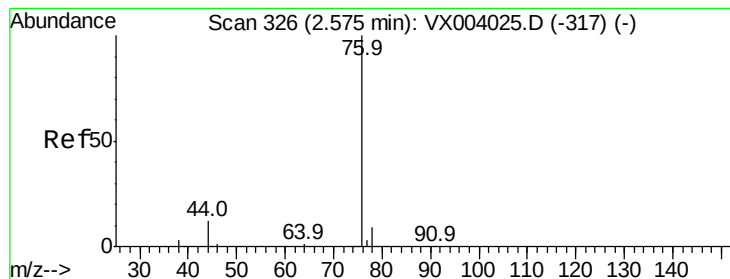
Tgt Ion: 43 Resp: 519383

Ion Ratio Lower Upper

43 100

58 32.2 26.4 39.6





#17

Carbon Disulfide

Concen: 47.712 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

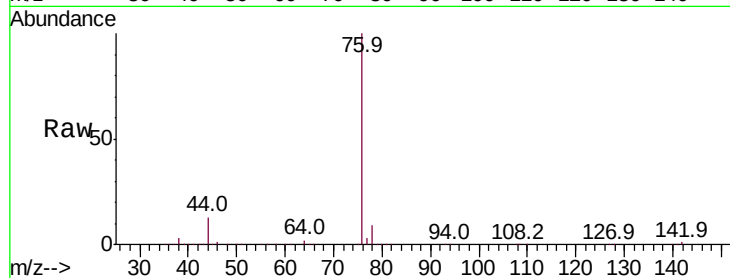
ClientSampled :

Tot Ion: 76 Resp: 423611

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

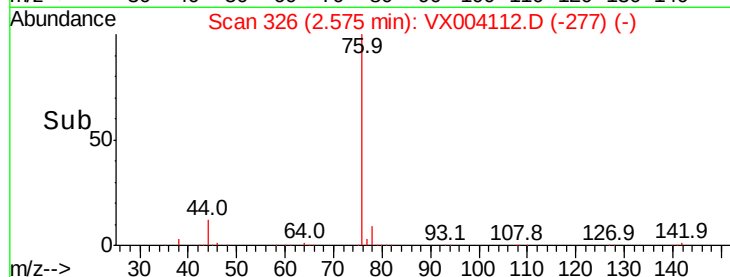
150000

100000

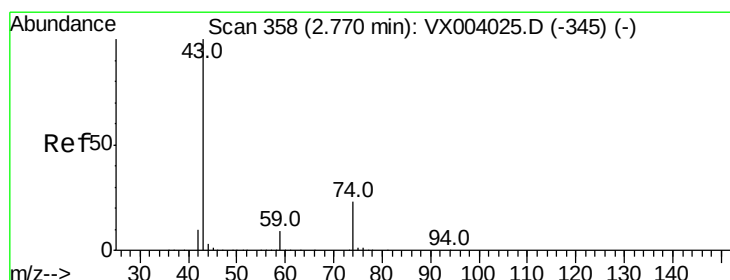
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 49.014 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004112.D

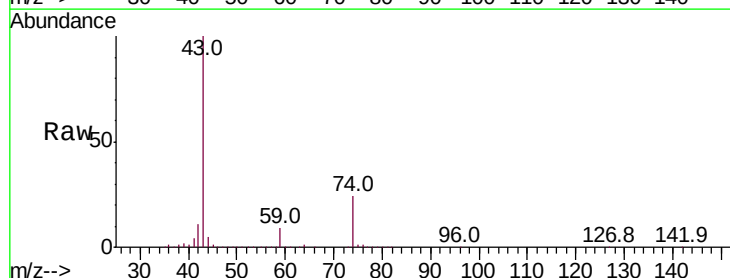
Acq: 16 Aug 2018 09:46

Tgt Ion: 43 Resp: 237411

Ion Ratio Lower Upper

43 100

74 24.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

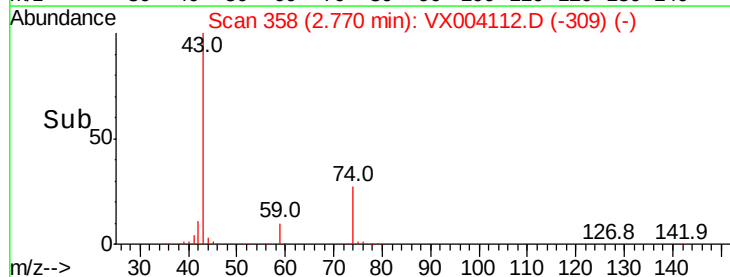
150000

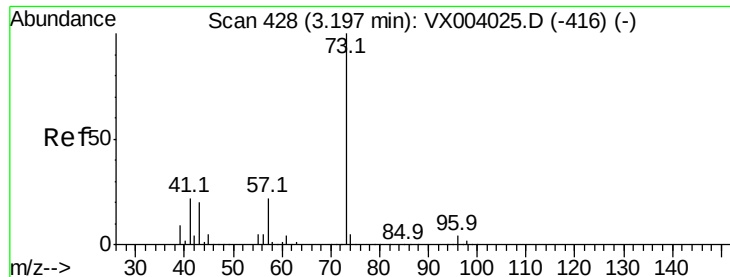
100000

50000

0

Time-->

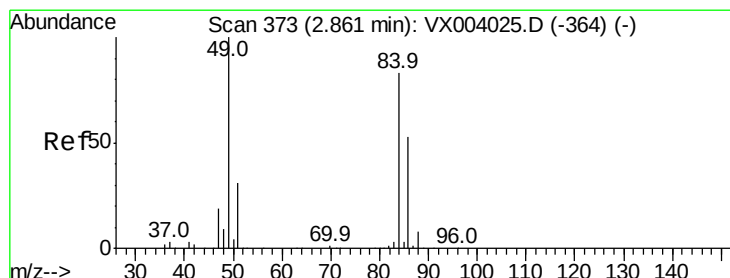
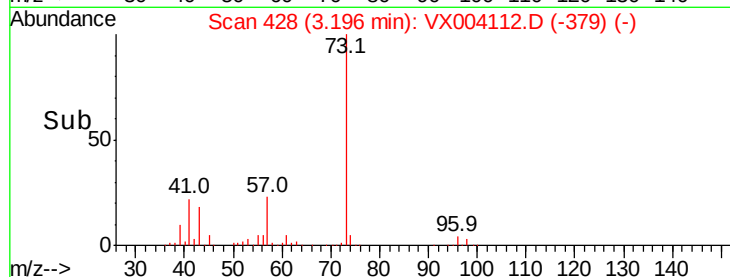
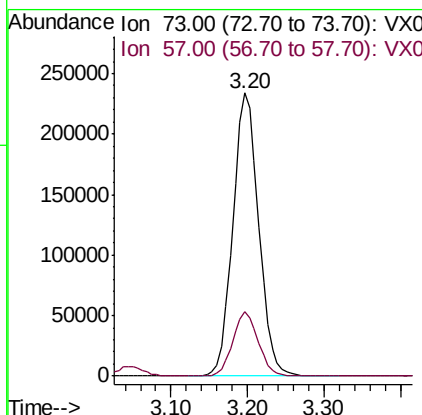
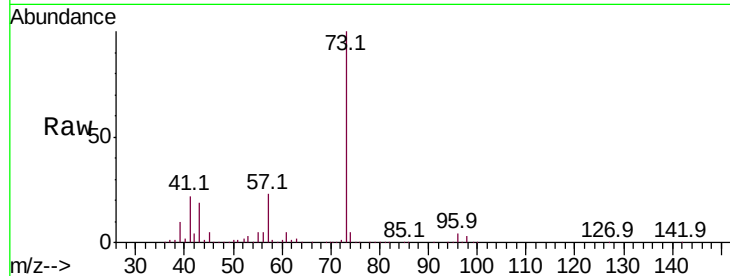




#19
Methyl tert-butyl Ether
Concen: 49.468 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

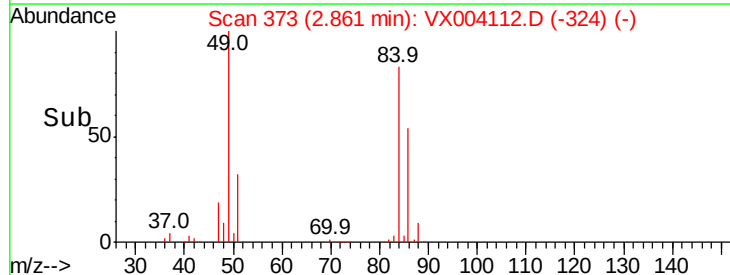
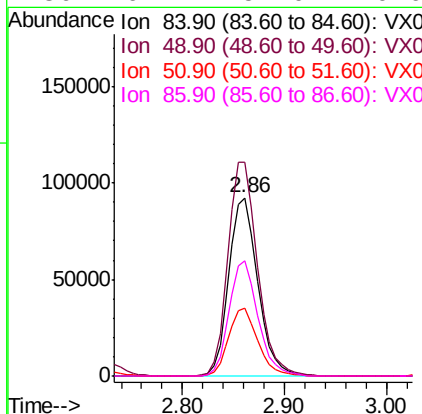
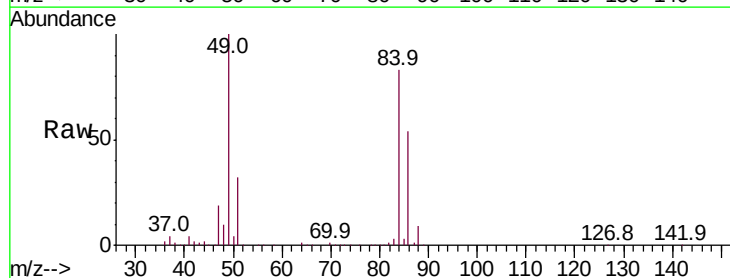
Instrument :
MSVOA_X
ClientSampleId :

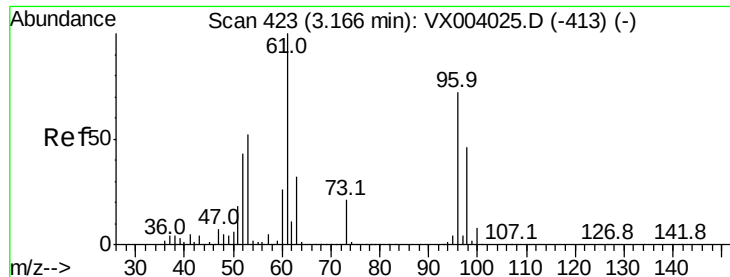
Tot Ion: 73 Resp: 545546
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 50.909 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion: 84 Resp: 181331
Ion Ratio Lower Upper
84 100
49 119.8 98.9 148.3
51 38.5 29.9 44.9
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.941 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :
MSVOA_X
ClientSampleId :

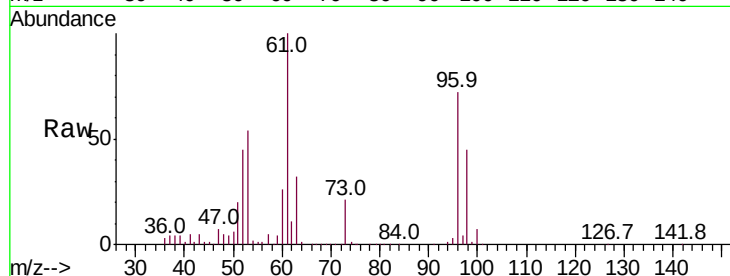
Tot Ion: 96 Resp: 170426

Ion Ratio Lower Upper

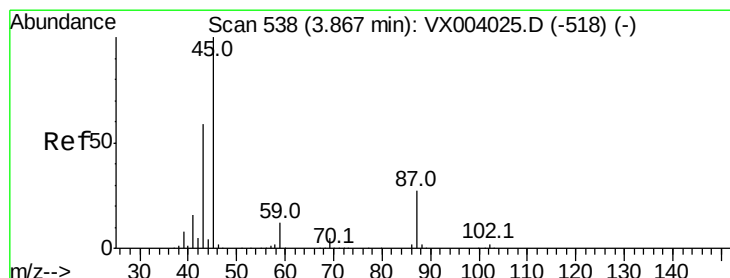
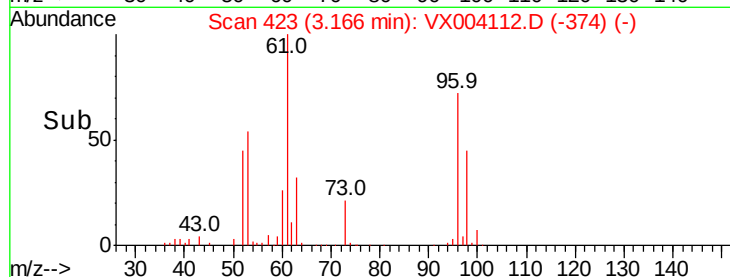
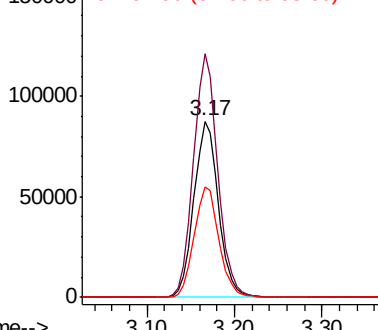
96 100

61 138.4 111.8 167.6

98 62.7 51.8 77.6



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



#22

Diisopropyl ether

Concen: 52.636 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Tgt Ion: 45 Resp: 614311

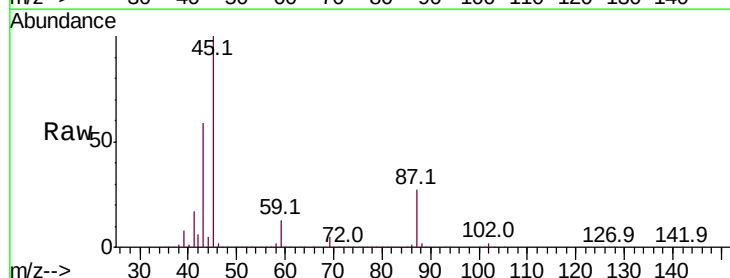
Ion Ratio Lower Upper

45 100

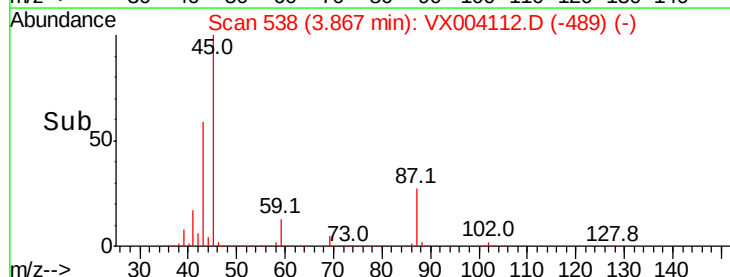
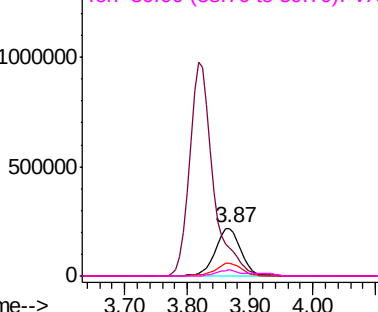
43 58.9 45.3 67.9

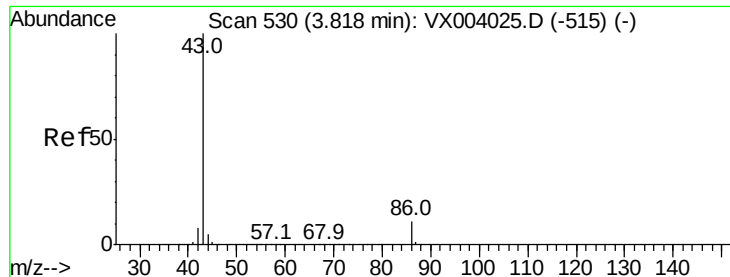
87 27.4 22.7 34.1

59 12.5 9.6 14.4



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: 264.421 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

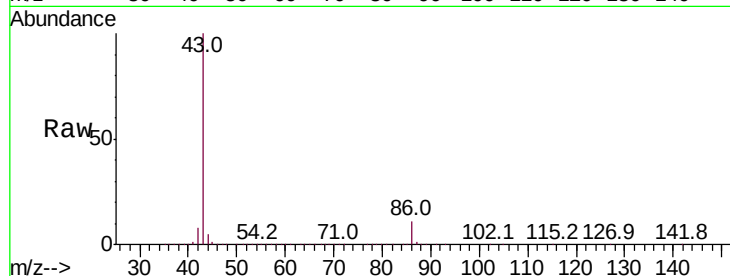
ClientSampled :

Tot Ion: 43 Resp: 2534696

Ion Ratio Lower Upper

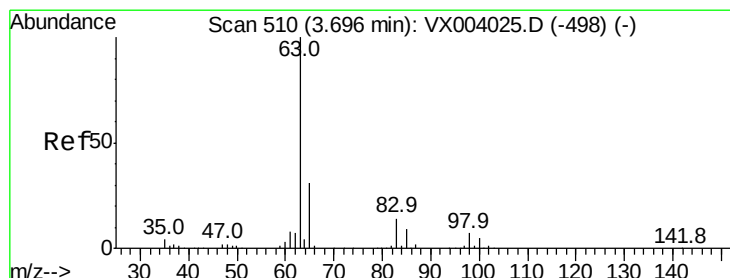
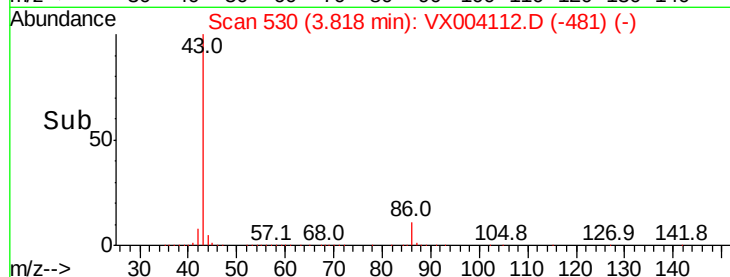
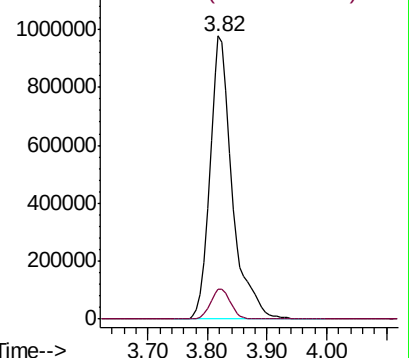
43 100

86 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.535 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

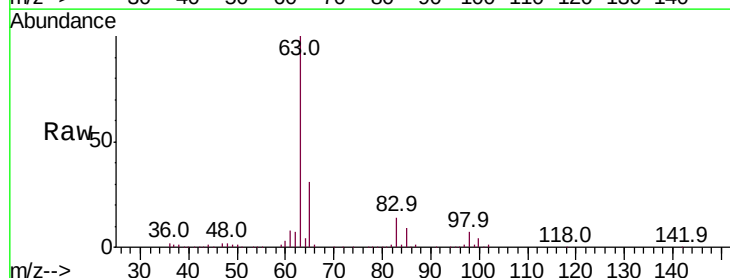
Tgt Ion: 63 Resp: 340676

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

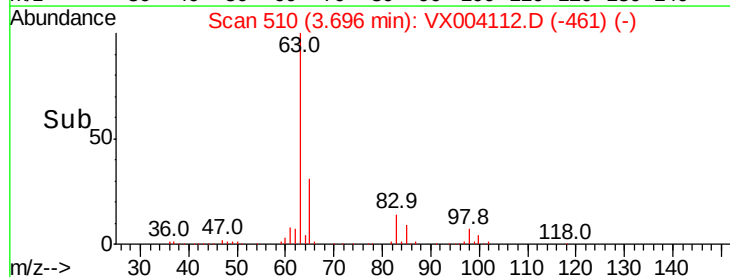
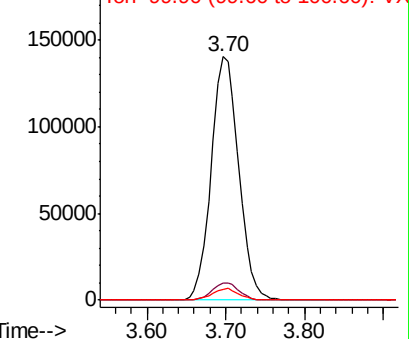
100 4.4 2.3 6.8

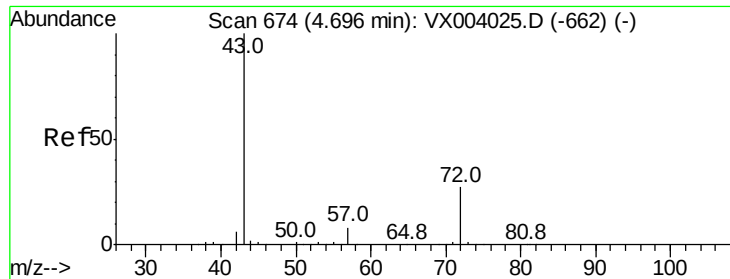


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 239.344 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

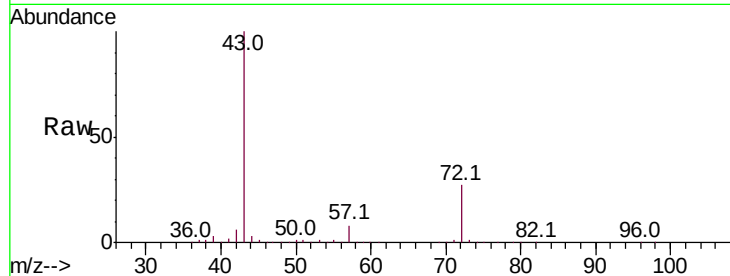
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 848837

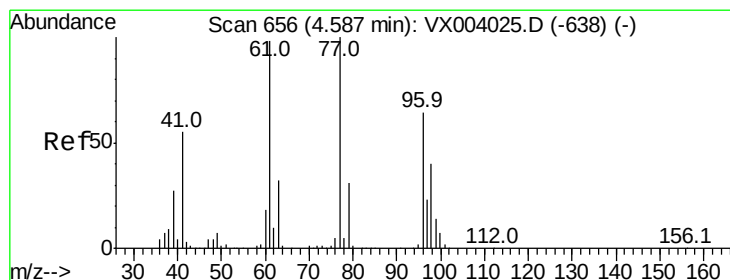
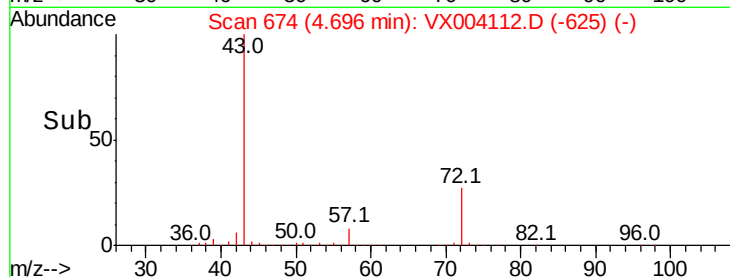
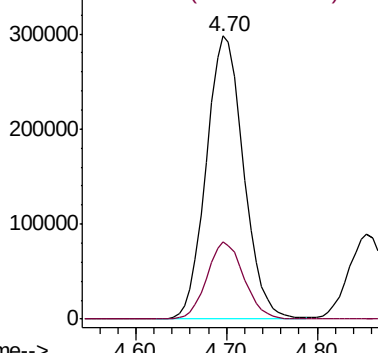
Ion Ratio Lower Upper

43 100

72 27.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.671 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004112.D

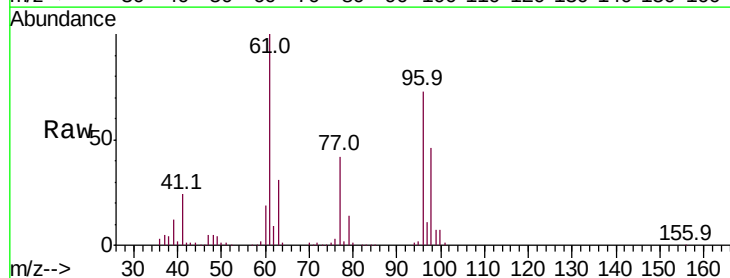
Acq: 16 Aug 2018 09:46

Tgt Ion: 77 Resp: 108641

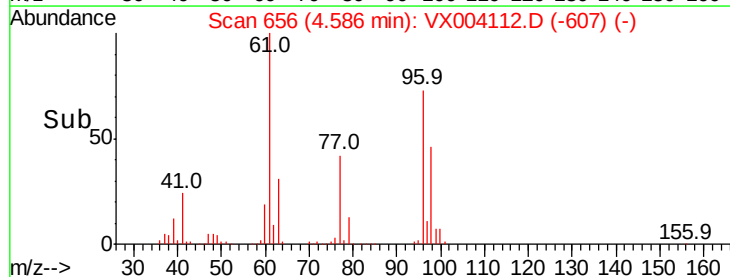
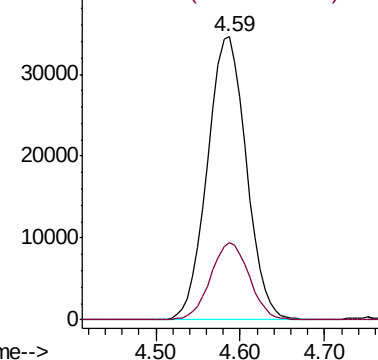
Ion Ratio Lower Upper

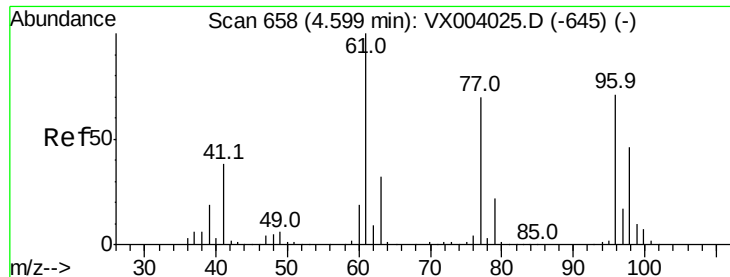
77 100

97 27.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0



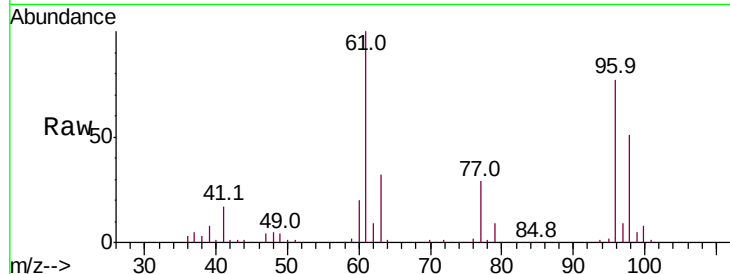


#27

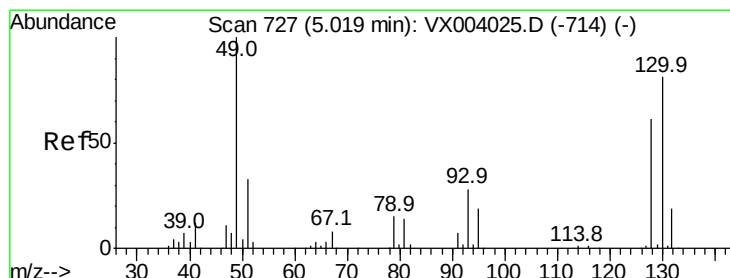
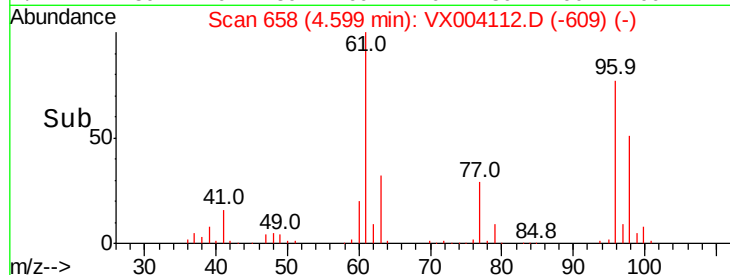
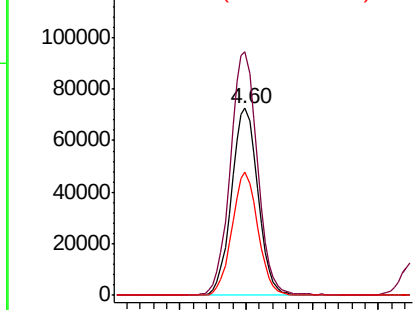
cis-1,2-Dichloroethene
Concen: 50.323 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	293.0
98	64.4	0.0	131.8



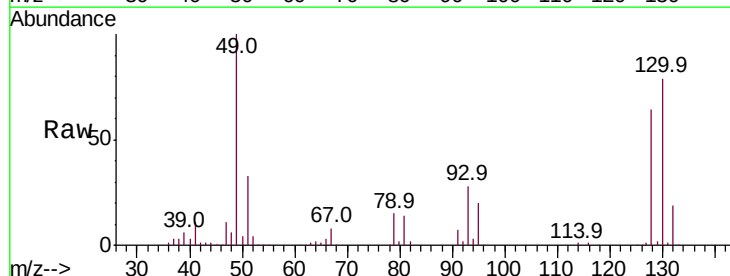
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



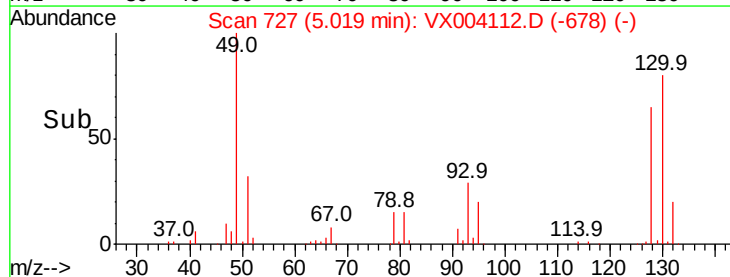
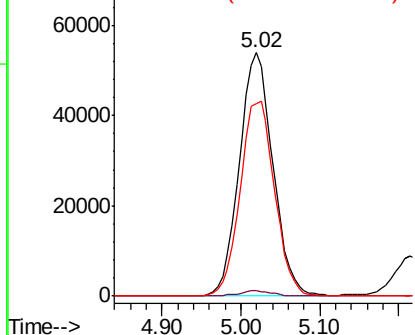
#28

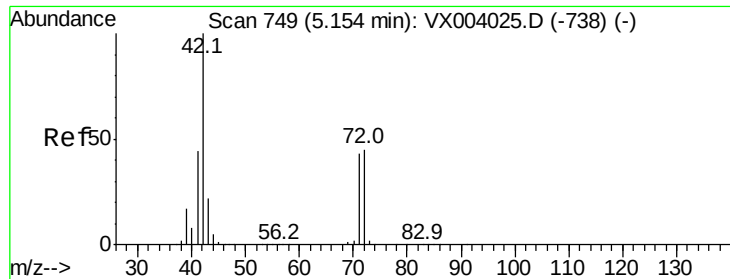
Bromochloromethane
Concen: 52.730 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	82.1	66.5	99.7



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: 240.915 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampleId :

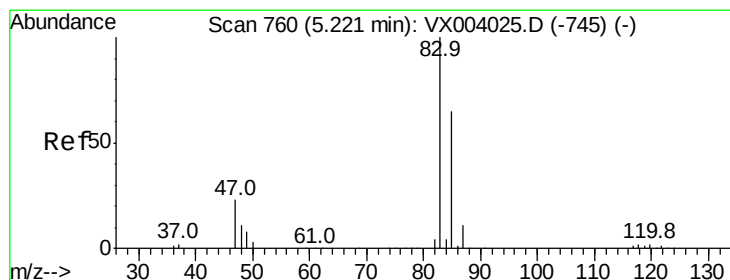
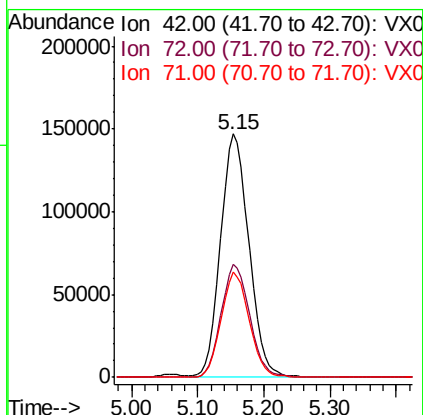
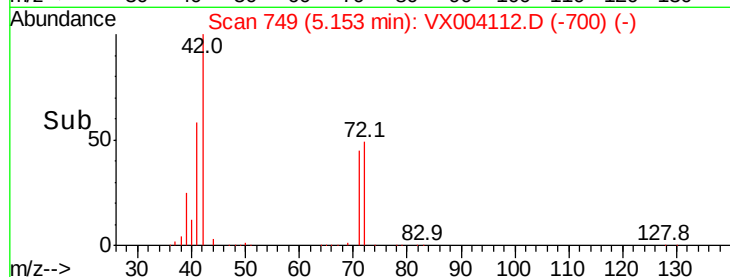
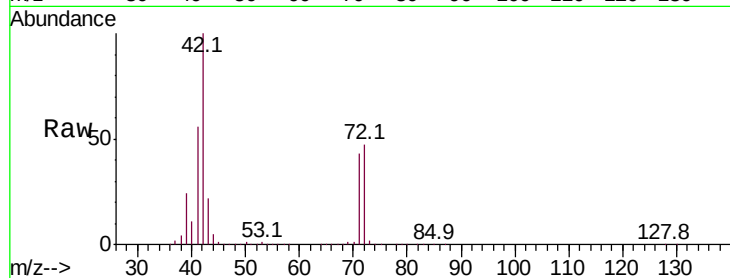
Tot Ion: 42 Resp: 436527

Ion Ratio Lower Upper

42 100

72 47.0 37.7 56.5

71 43.0 35.0 52.6



#30

Chloroform

Concen: 51.020 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004112.D

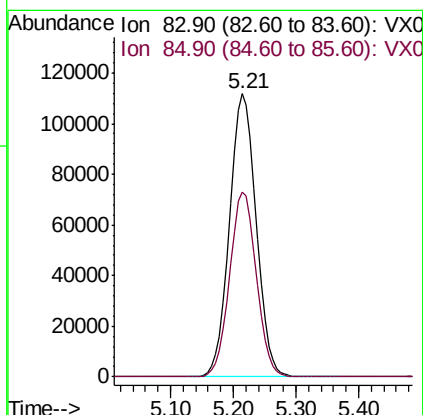
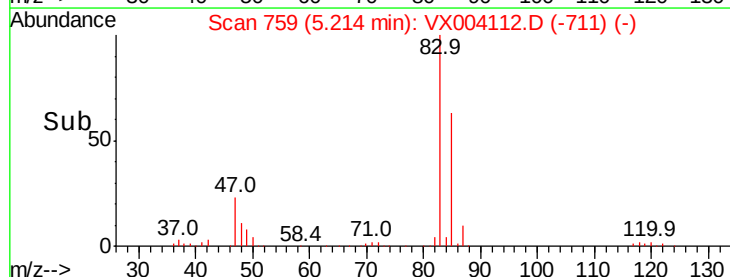
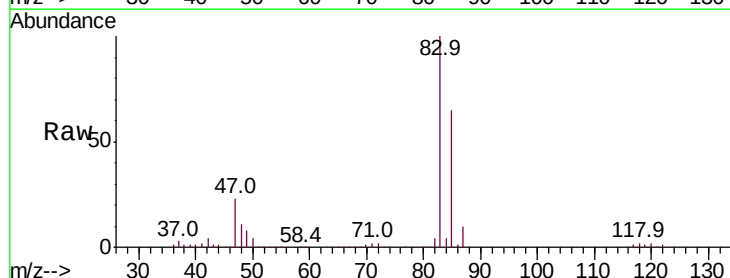
Acq: 16 Aug 2018 09:46

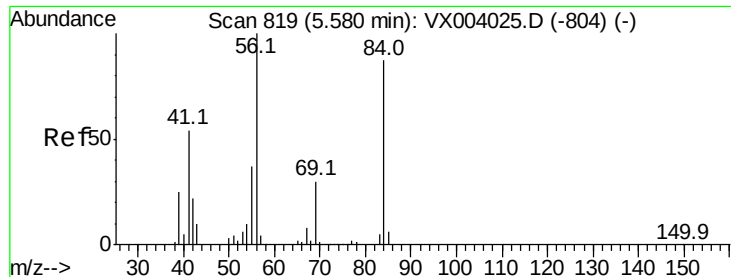
Tgt Ion: 83 Resp: 329163

Ion Ratio Lower Upper

83 100

85 65.3 50.7 76.1





#31

Cyclohexane

Concen: 49.277 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampleId :

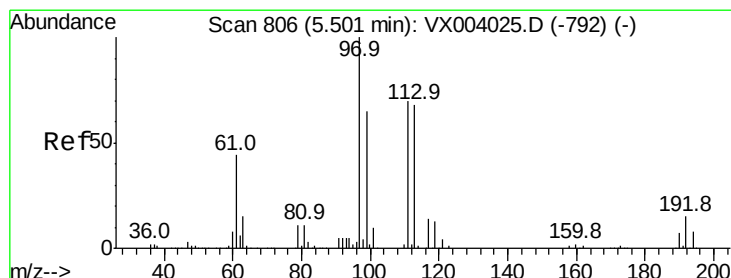
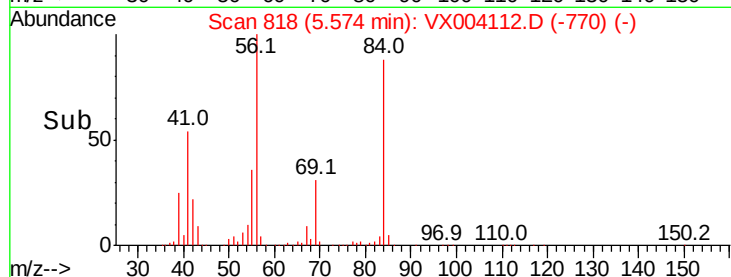
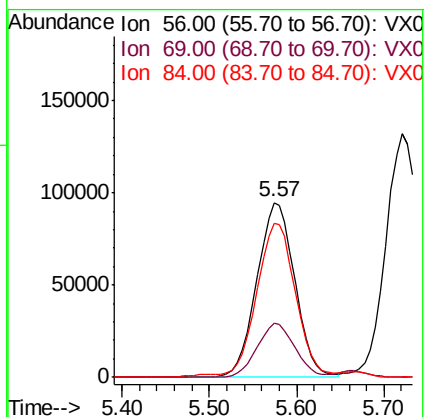
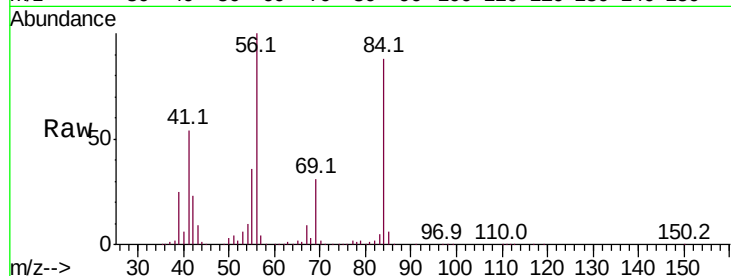
Tot Ion: 56 Resp: 285568

Ion Ratio Lower Upper

56 100

69 30.8 24.9 37.3

84 87.2 71.7 107.5



#32

1,1,1-Trichloroethane

Concen: 51.914 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

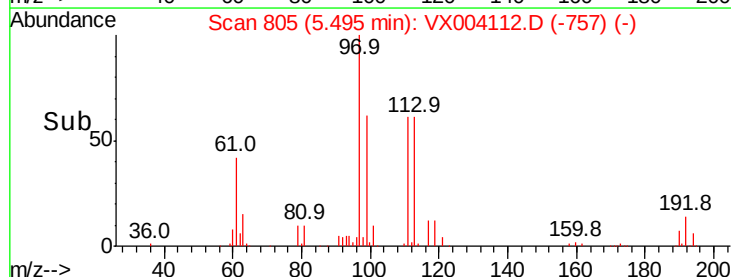
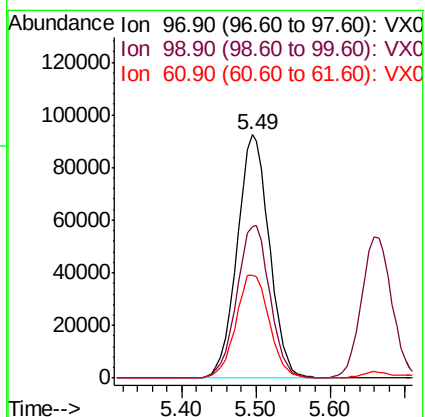
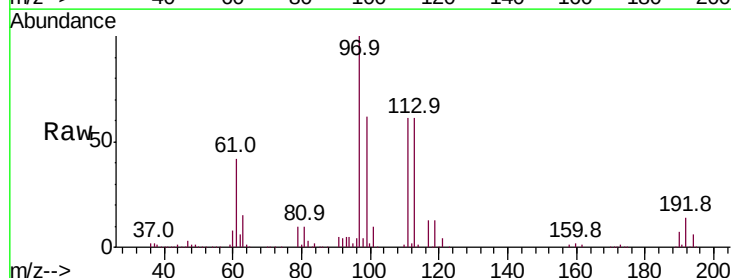
Tgt Ion: 97 Resp: 279883

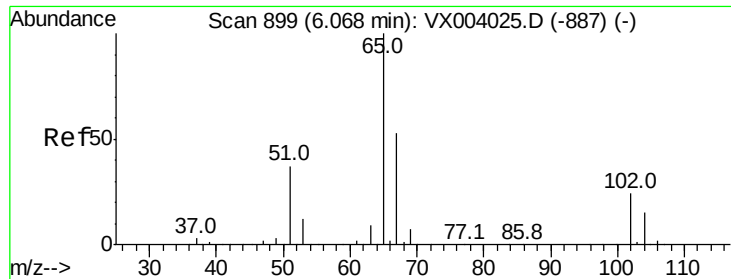
Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

61 44.3 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 49.509 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

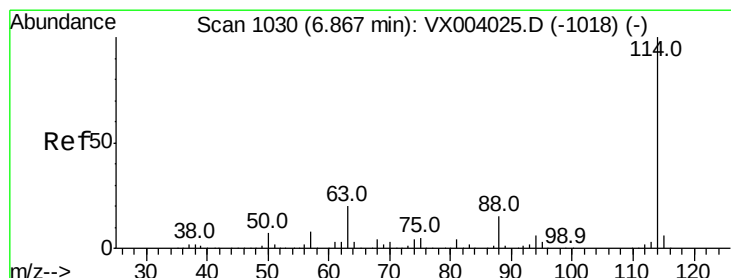
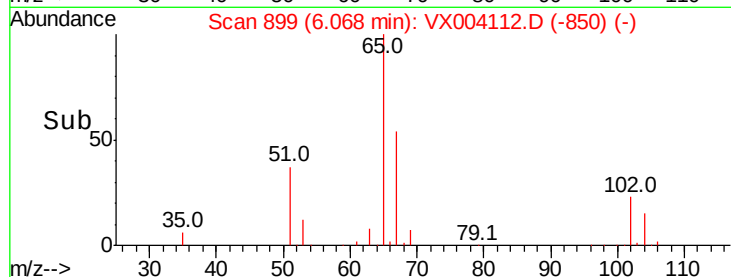
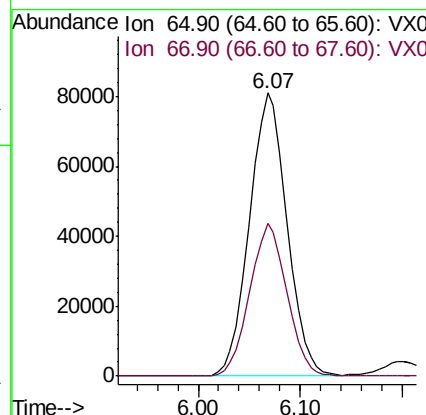
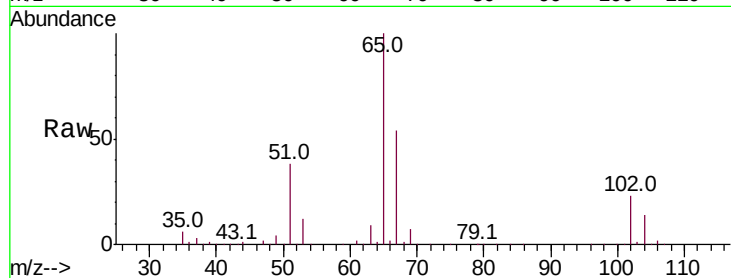
Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 207557

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

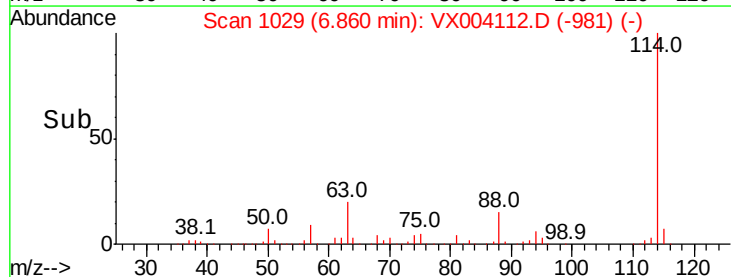
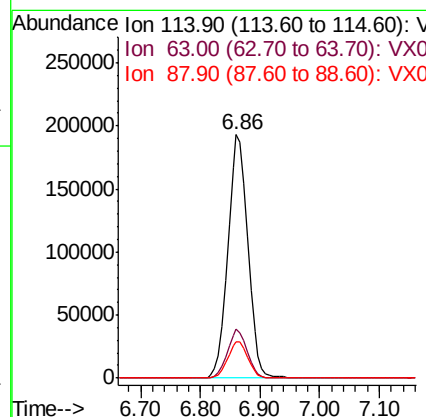
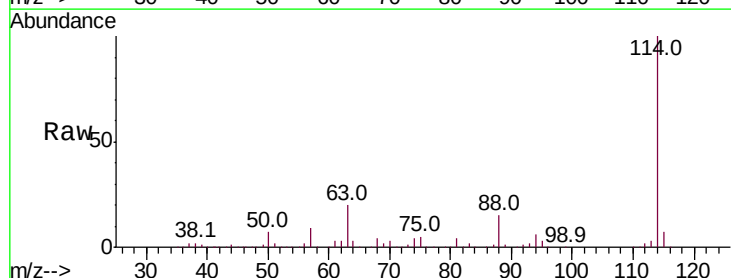
Delta R.T. -0.01 min

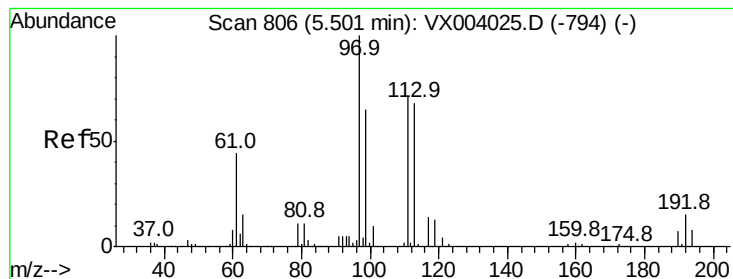
Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Tgt Ion: 114 Resp: 449008

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.0
88	15.0	0.0	32.0





#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

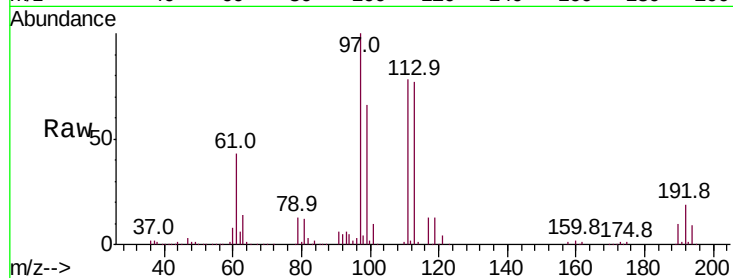
Tot Ion:113 Resp: 174547

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

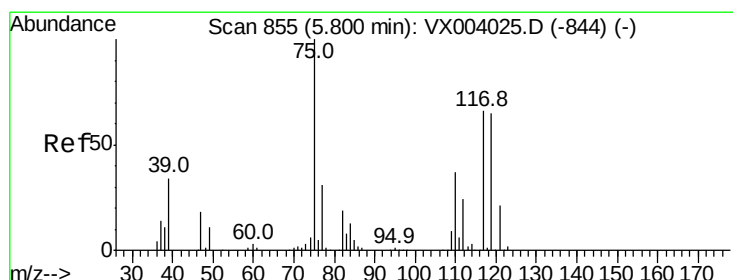
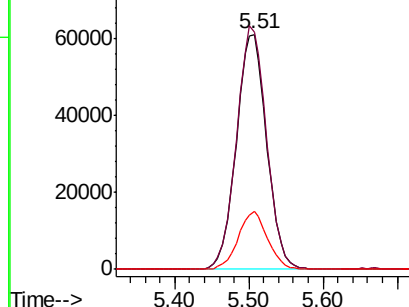
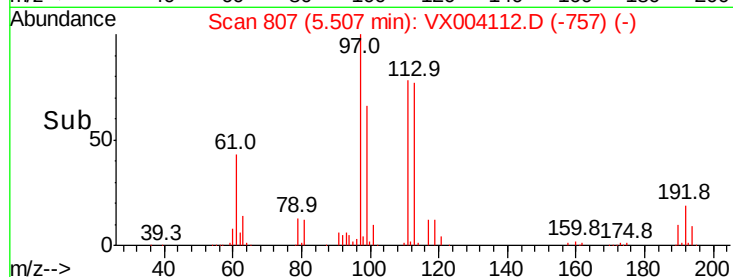
192 23.7 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.383 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

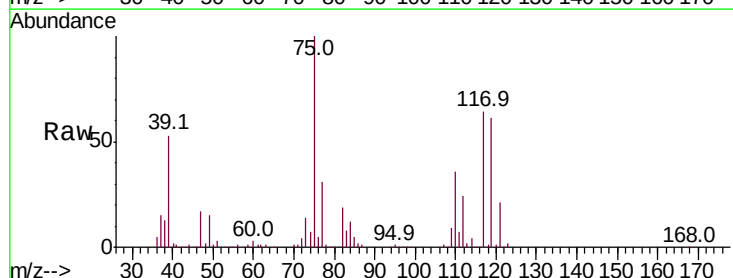
Tgt Ion: 75 Resp: 247203

Ion Ratio Lower Upper

75 100

110 36.5 18.2 54.6

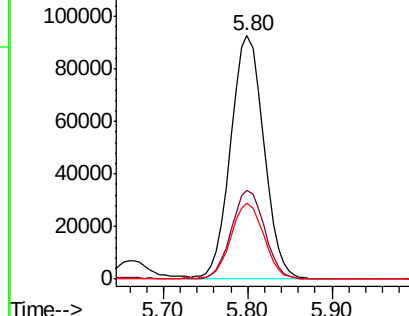
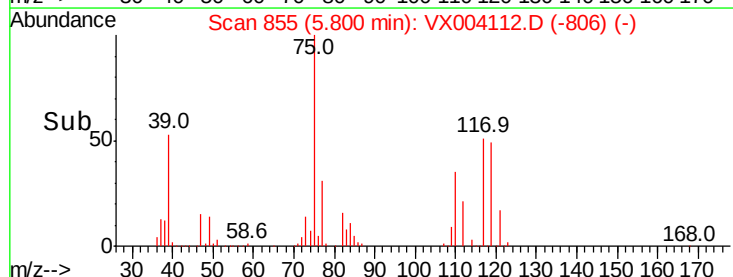
77 31.4 25.0 37.4

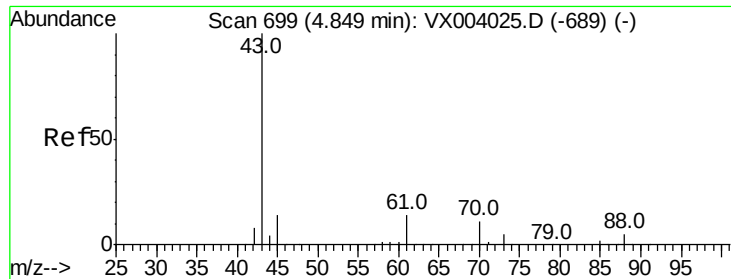


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

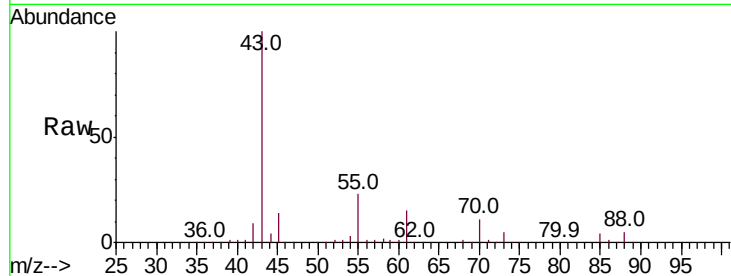




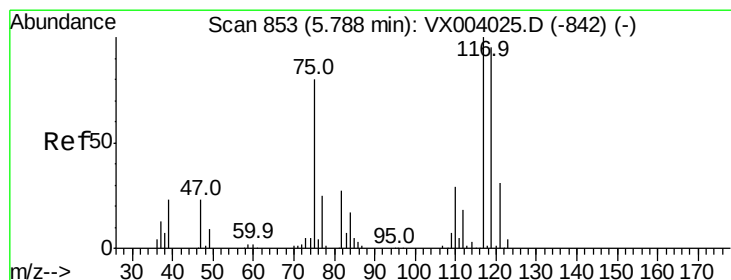
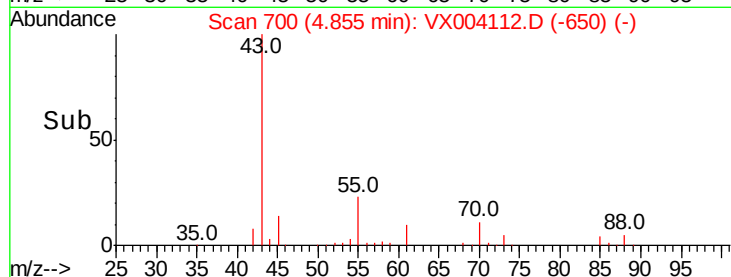
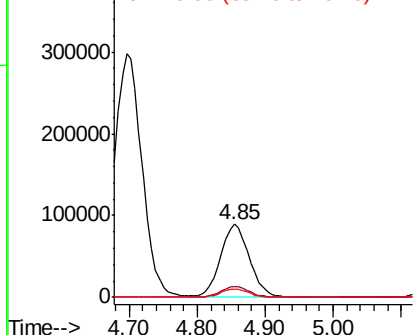
#37
Ethyl Acetate
Concen: 47.275 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 263041
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 11.1 9.0 13.4

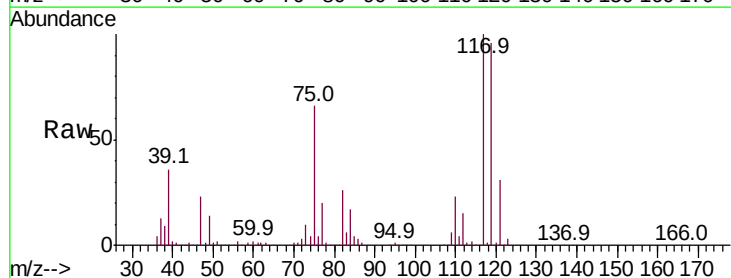


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

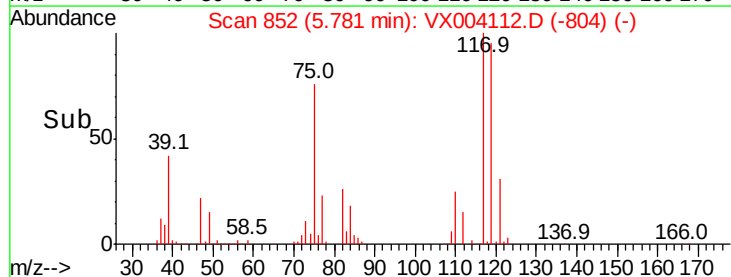
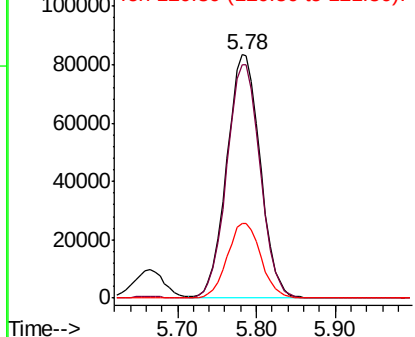


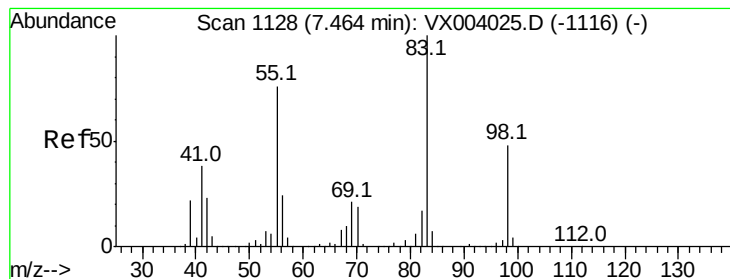
#38
Carbon Tetrachloride
Concen: 49.594 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion: 117 Resp: 246190
Ion Ratio Lower Upper
117 100
119 95.6 79.5 119.3
121 30.6 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylvlcyclohexane

Concen: 48.405 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

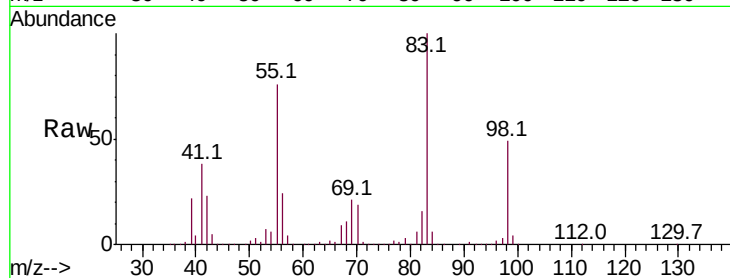
Tot Ion: 83 Resp: 280576

Ion Ratio Lower Upper

83 100

55 76.0 61.0 91.6

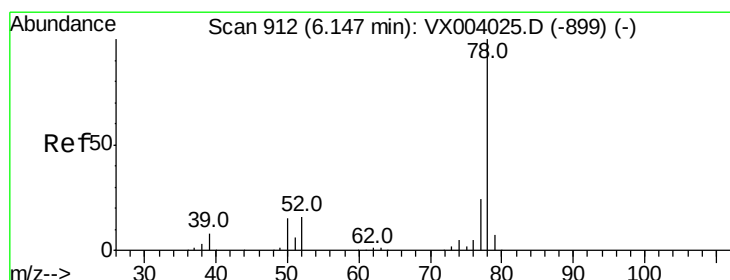
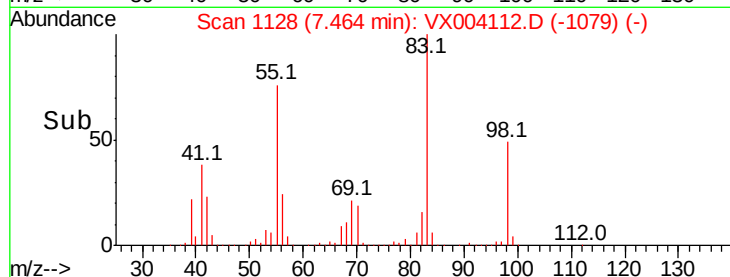
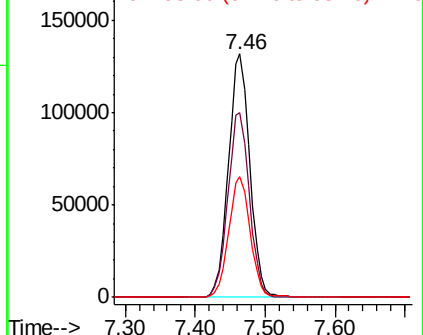
98 49.4 38.6 57.8



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: 50.084 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX004112.D

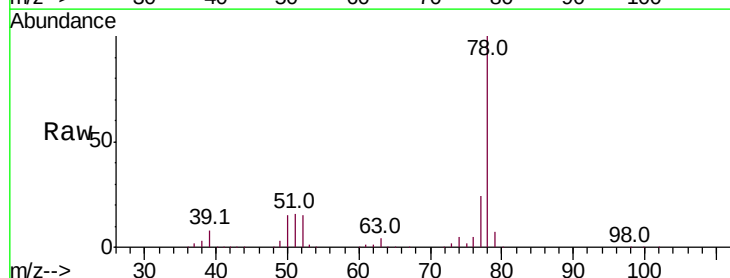
Acq: 16 Aug 2018 09:46

Tgt Ion: 78 Resp: 768403

Ion Ratio Lower Upper

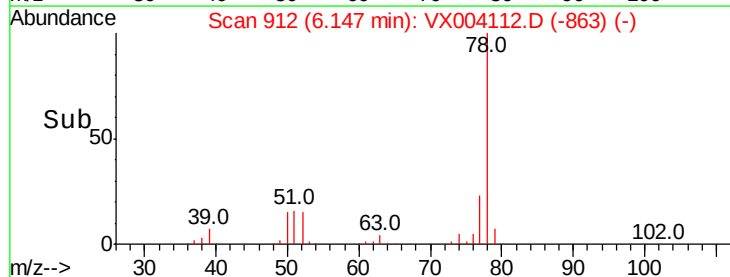
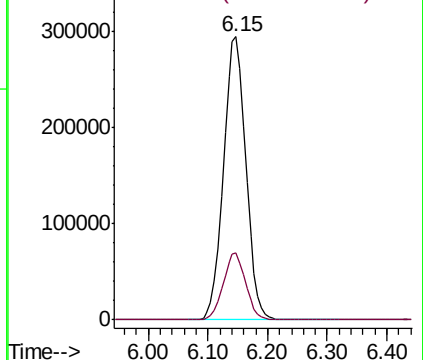
78 100

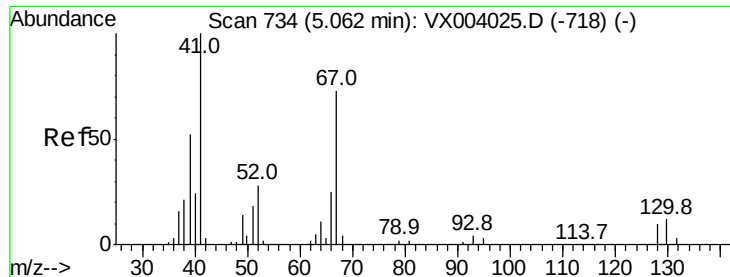
77 23.7 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 46.670 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 145429

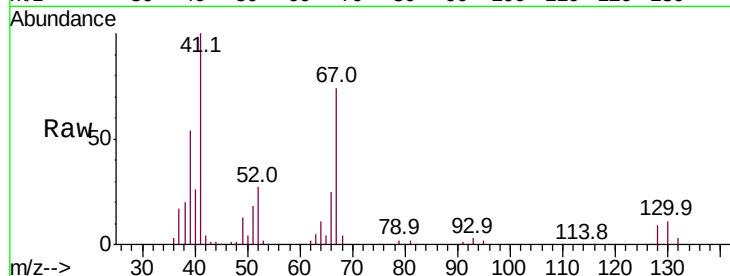
Ion Ratio Lower Upper

41 100

39 53.2 42.7 64.1

67 74.3 58.9 88.3

52 29.4 22.6 33.8



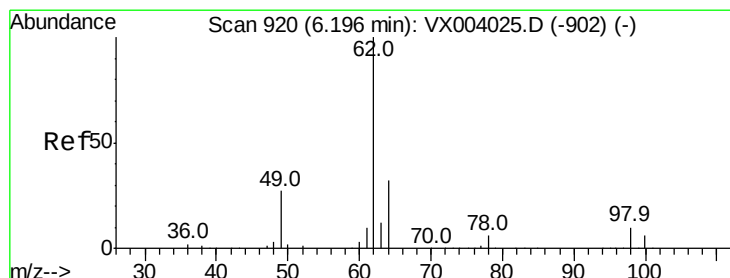
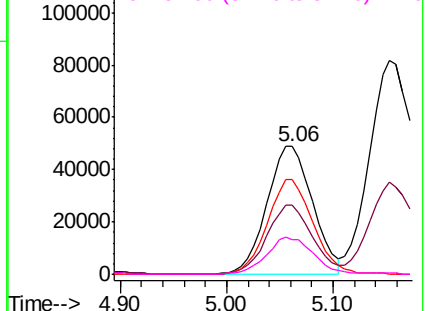
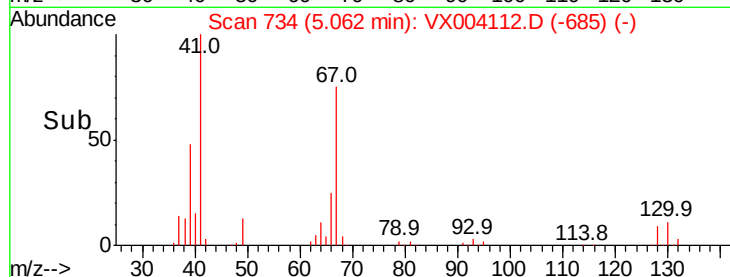
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.884 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004112.D

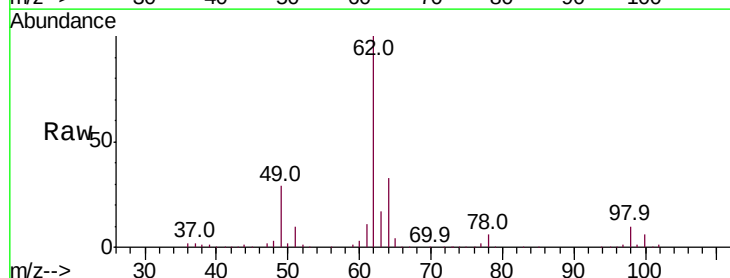
Acq: 16 Aug 2018 09:46

Tgt Ion: 62 Resp: 262531

Ion Ratio Lower Upper

62 100

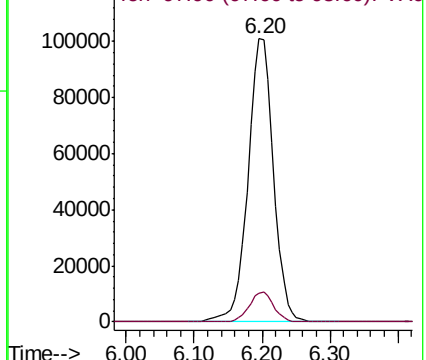
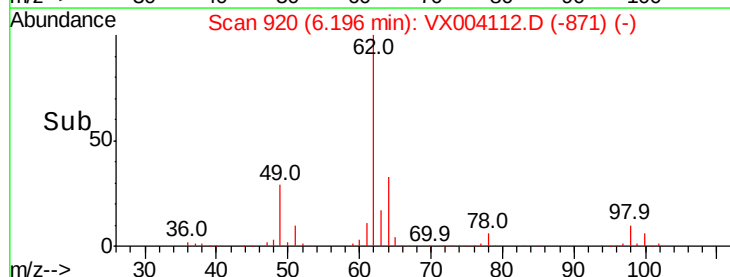
98 10.1 0.0 20.4

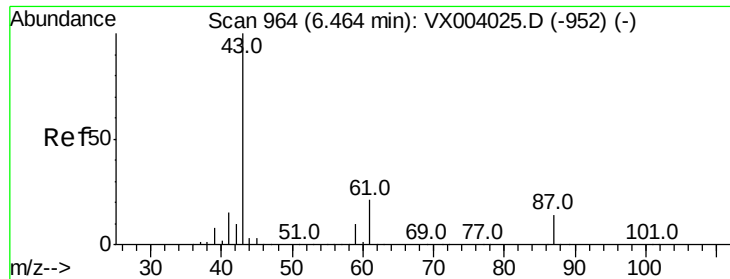


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

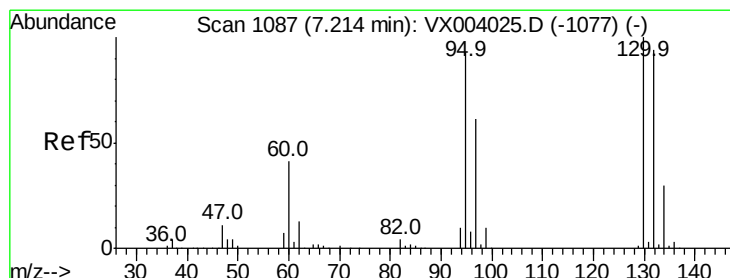
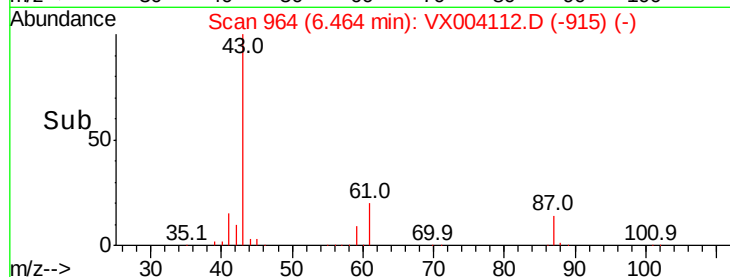
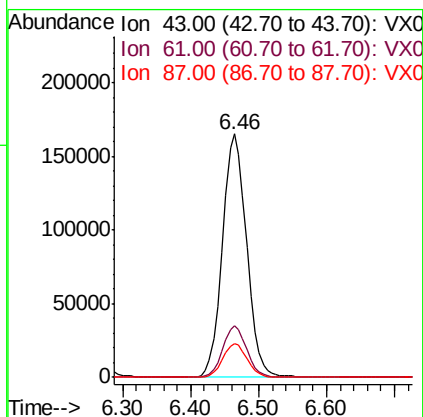
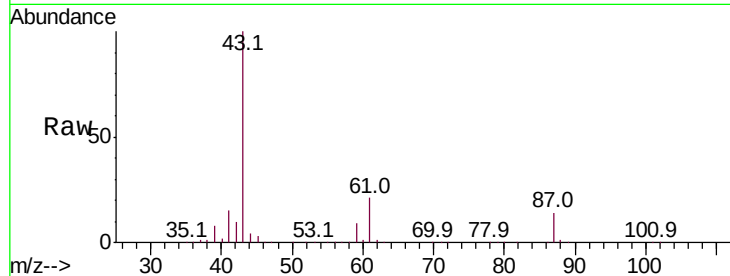




#43
Isopropyl Acetate
Concen: 49.467 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

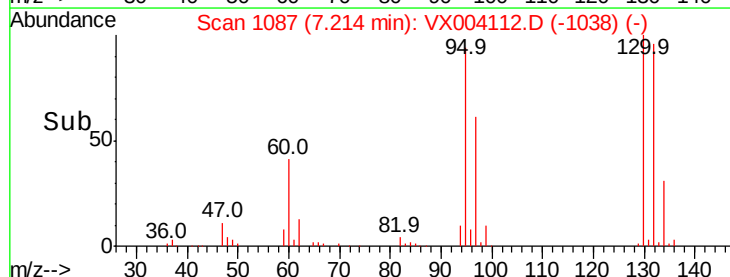
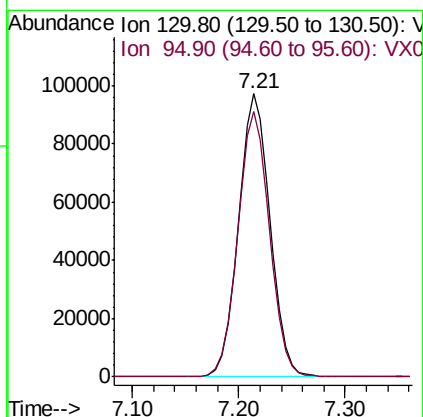
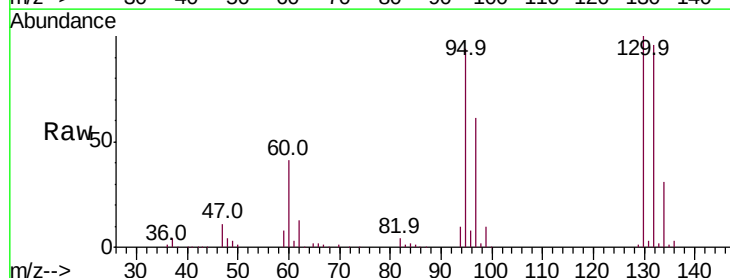
Instrument :
MSVOA_X
ClientSampled :

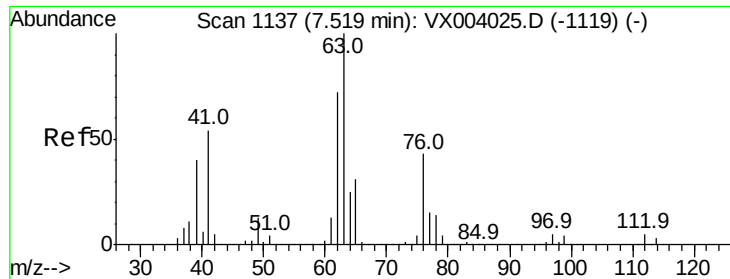
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.9	25.3
87	14.1	11.3	16.9



#44
Trichloroethene
Concen: 48.539 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	199.4

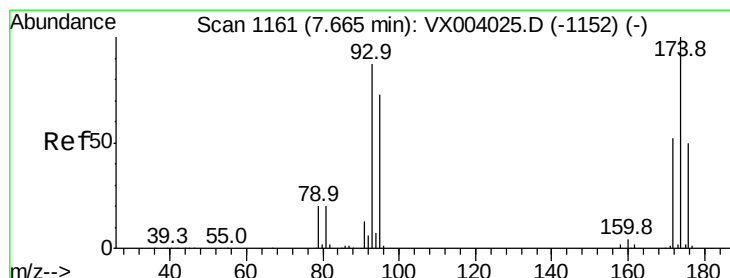
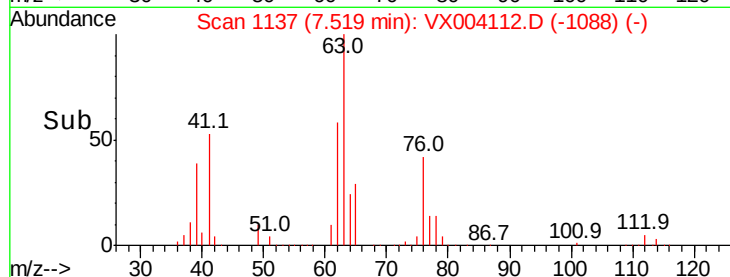
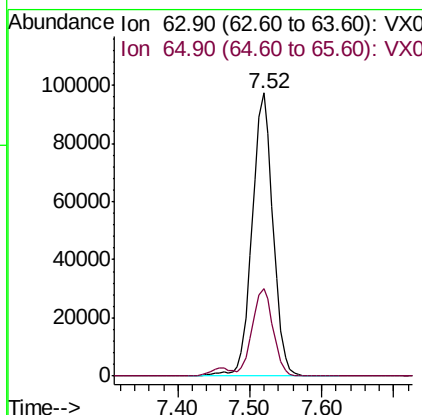
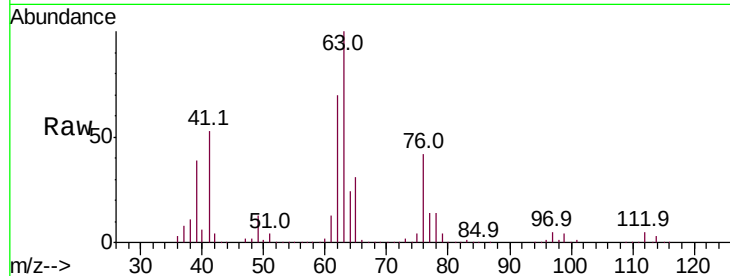




#45
 1,2-Dichloropropane
 Concen: 50.069 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

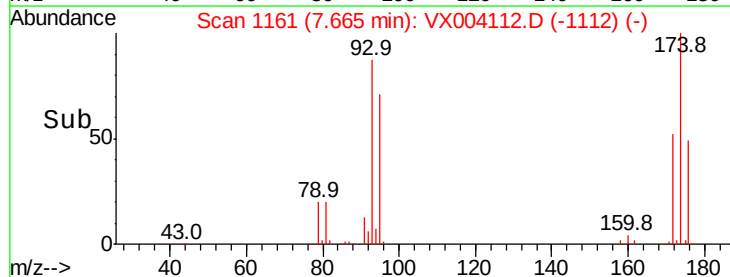
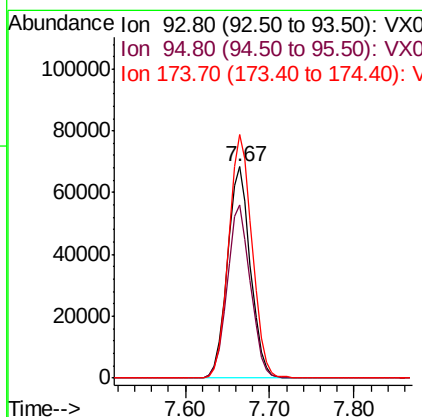
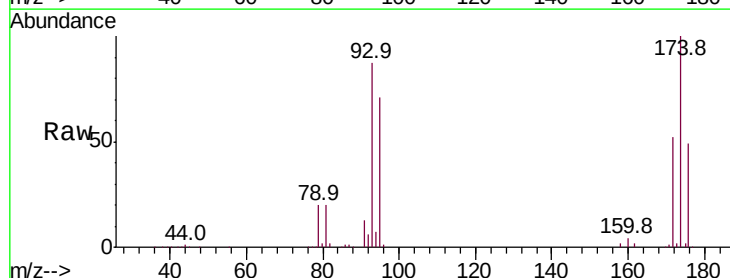
Instrument :
 MSVOA_X
 ClientSampled :

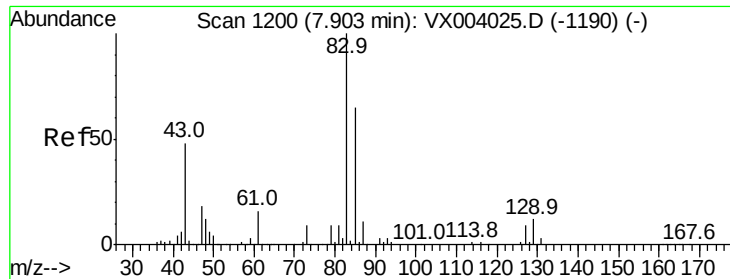
Tot Ion: 63 Resp: 196650
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 49.616 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 93 Resp: 127348
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.4 99.6
 174 116.2 94.3 141.5

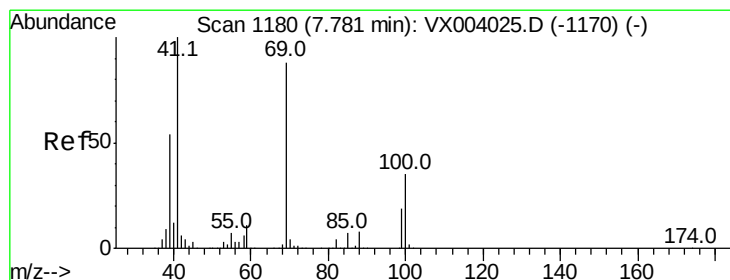
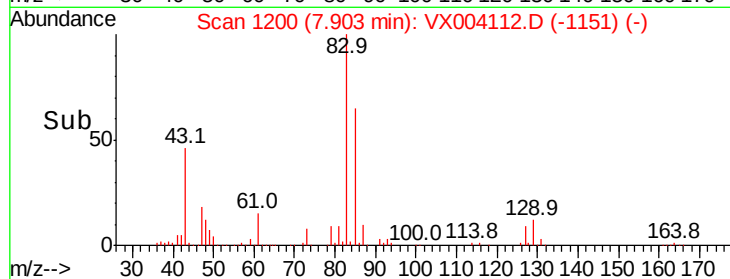
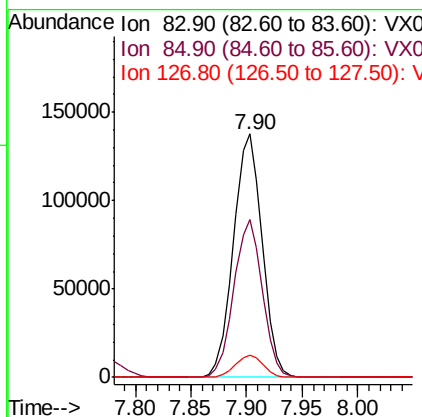
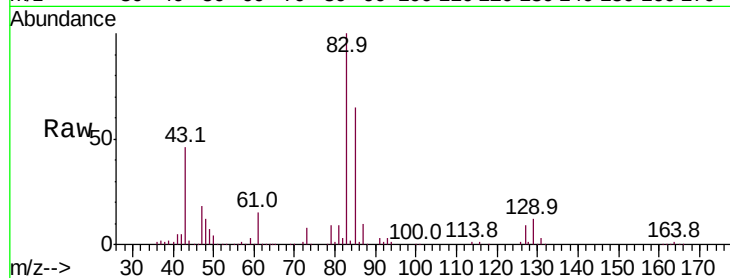




#47
 Bromodichloromethane
 Concen: 50.658 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

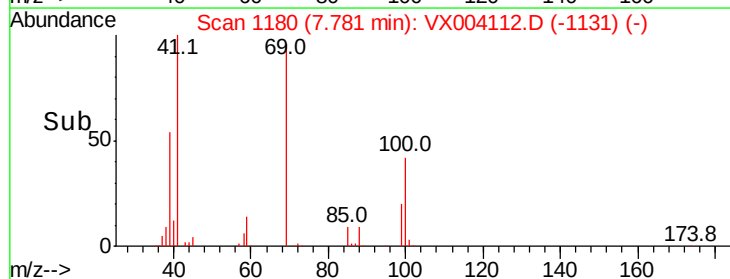
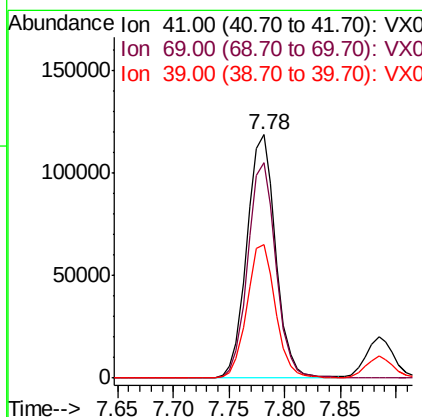
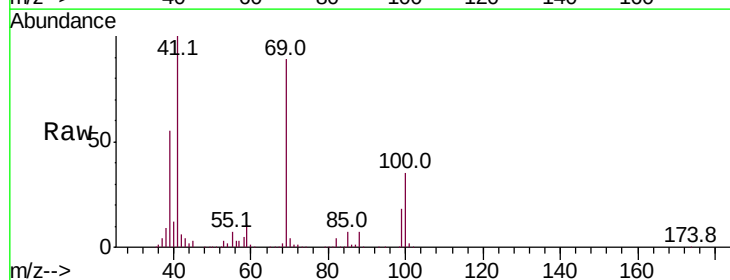
Instrument :
 MSVOA_X
 ClientSampleId :

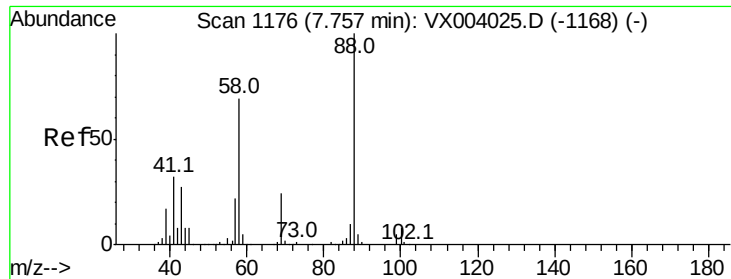
Tot Ion	83	Resp	246258
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.9	7.2	10.8



#48
 Methyl methacrylate
 Concen: 51.974 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion	41	Resp	214574
Ion Ratio	Lower	Upper	
41	100		
69	87.0	68.8	103.2
39	54.1	42.3	63.5

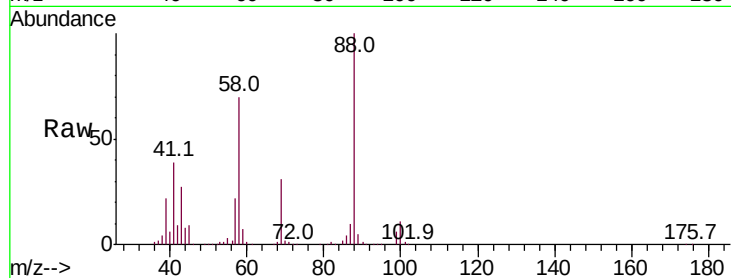




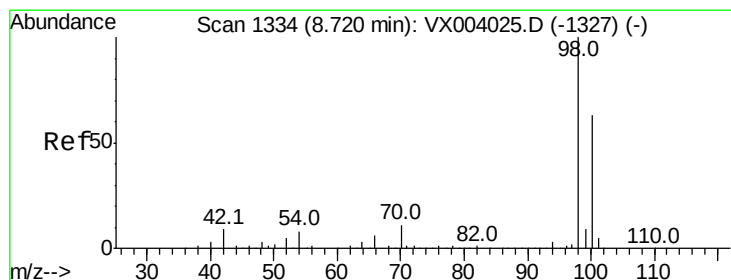
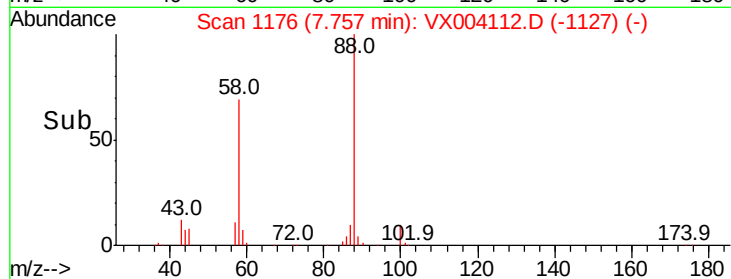
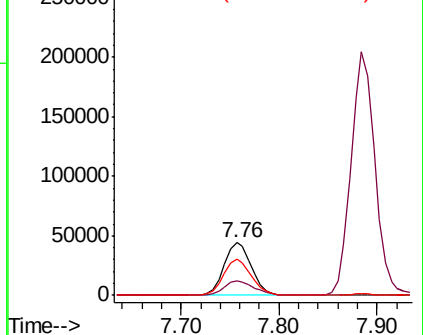
#49
 1,4-Dioxane
 Concen: 923.703 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 85858
 Ion Ratio Lower Upper
 88 100
 43 30.8 23.8 35.8
 58 70.1 55.4 83.0

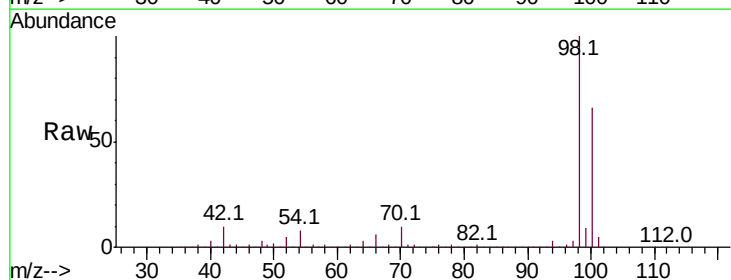


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

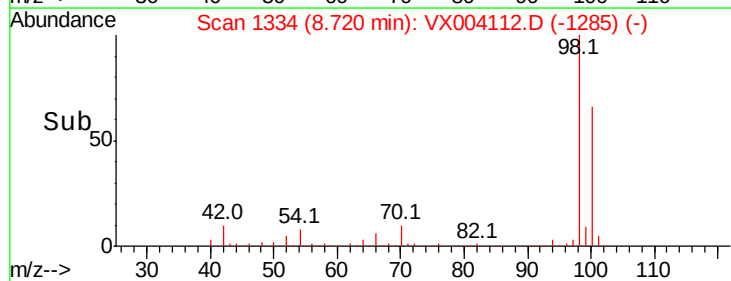
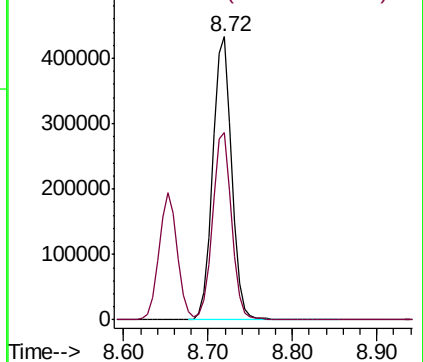


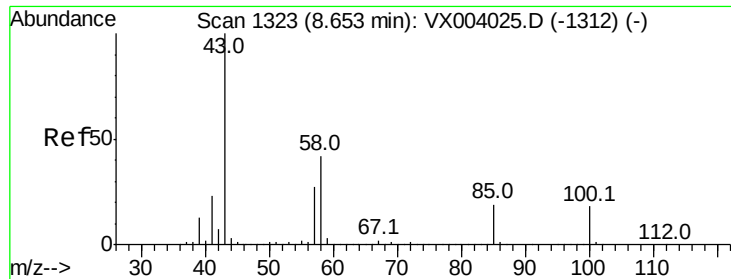
#50
 Toluene-d8
 Concen: 49.574 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 98 Resp: 675433
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.3 79.9



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: 255.643 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

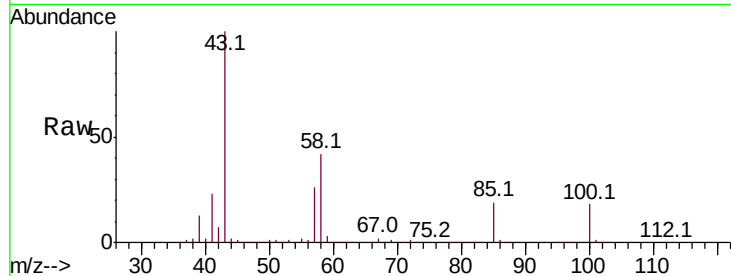
ClientSampleId :

Tot Ion: 43 Resp: 1719113

Ion Ratio Lower Upper

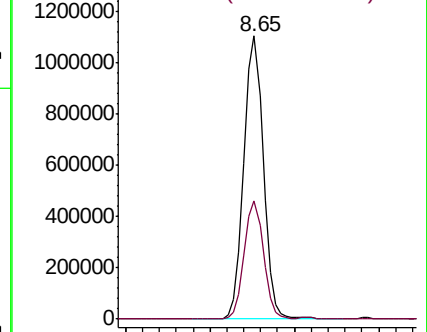
43 100

58 41.3 33.0 49.6

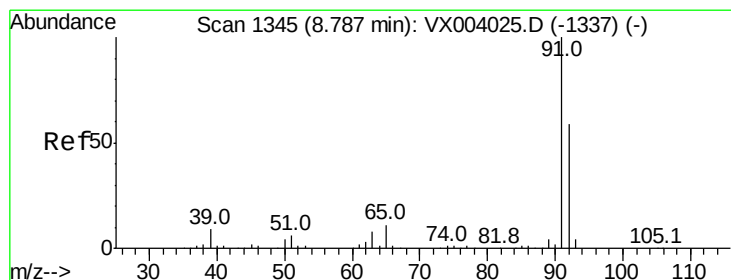
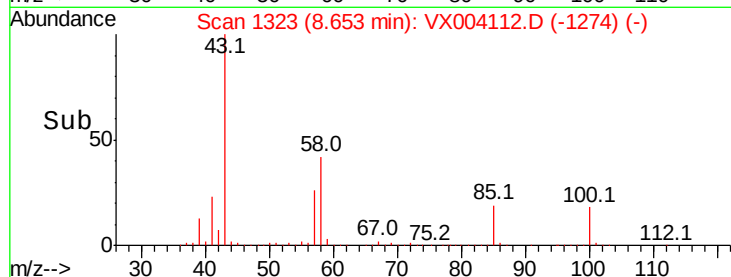


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 50.390 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004112.D

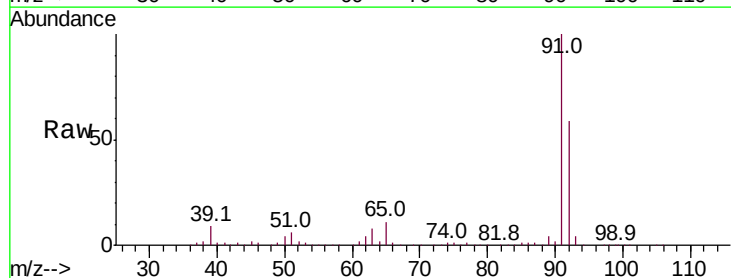
Acq: 16 Aug 2018 09:46

Tgt Ion: 92 Resp: 488936

Ion Ratio Lower Upper

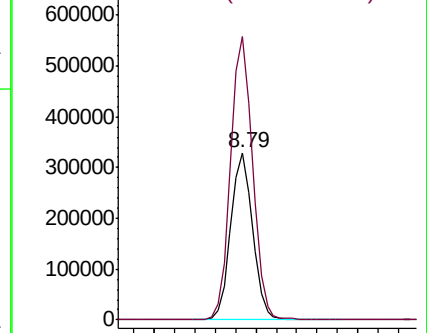
92 100

91 170.6 136.1 204.1

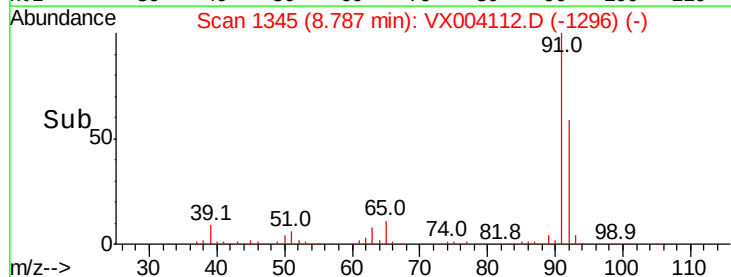


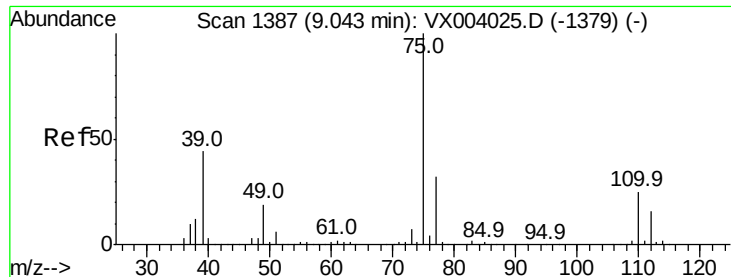
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 46.537 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

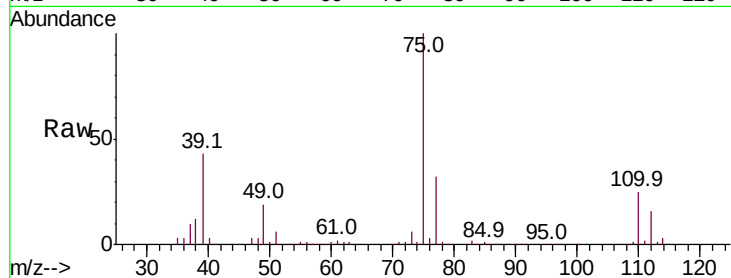
ClientSampleId :

Tot Ion: 75 Resp: 244392

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

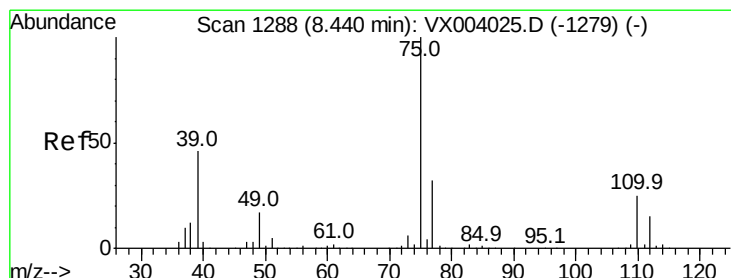
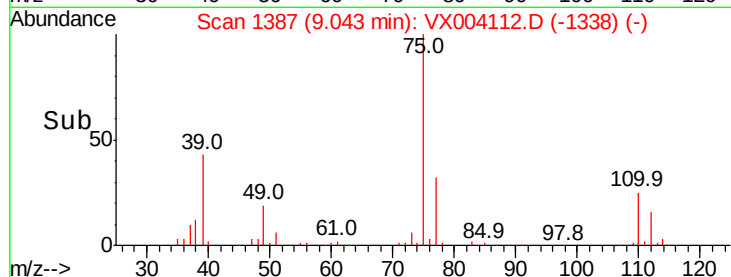
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 46.523 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

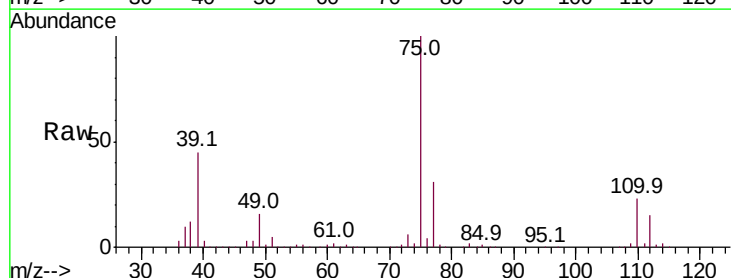
Tgt Ion: 75 Resp: 270566

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

39 44.5 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

200000

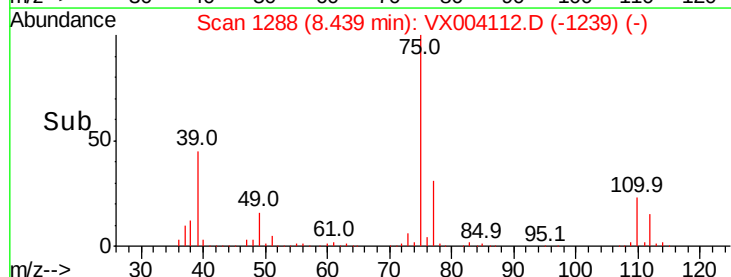
150000

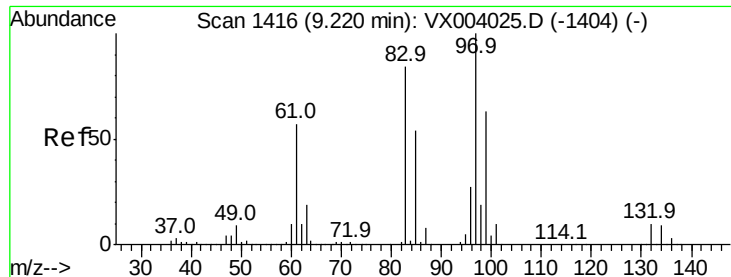
100000

50000

0

Time--> 8.40 8.50 8.60

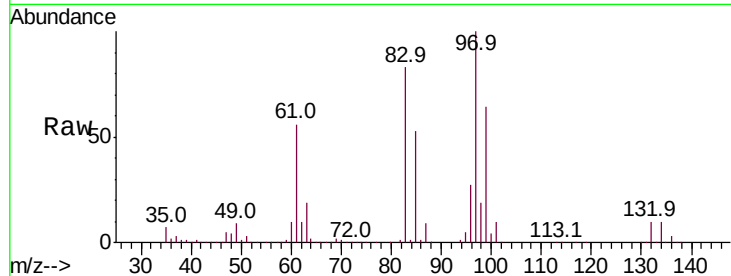




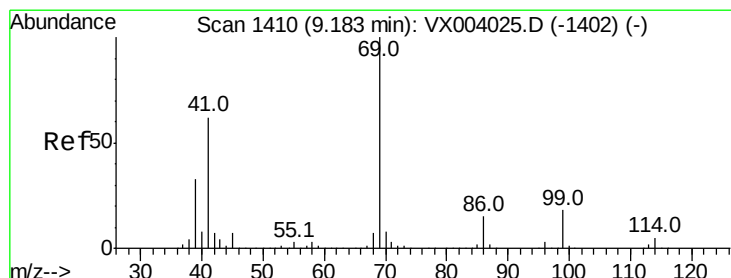
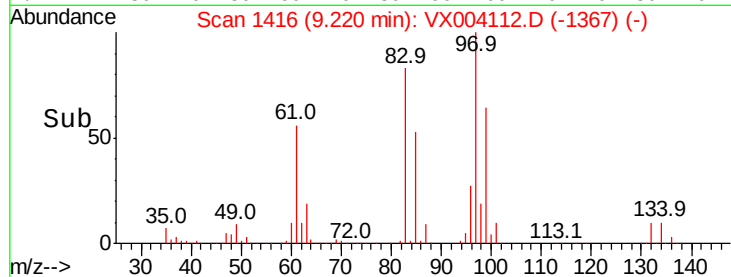
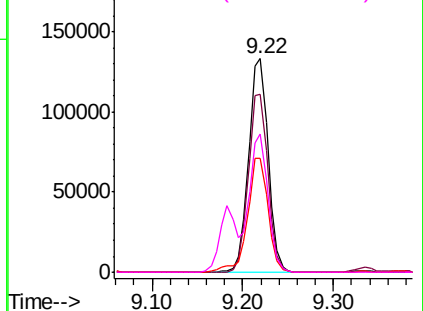
#55
 1,1,2-Trichloroethane
 Concen: 49.538 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	198496
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.8	101.6
85	53.2	44.2	66.2
99	64.5	50.8	76.2

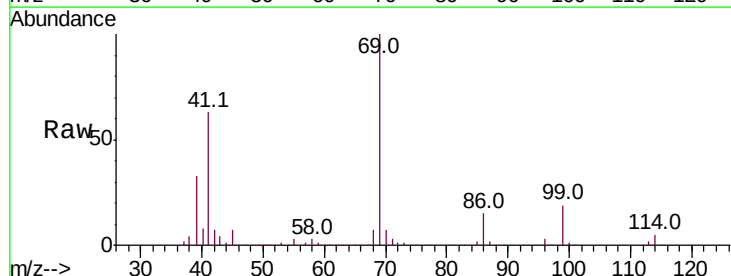


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

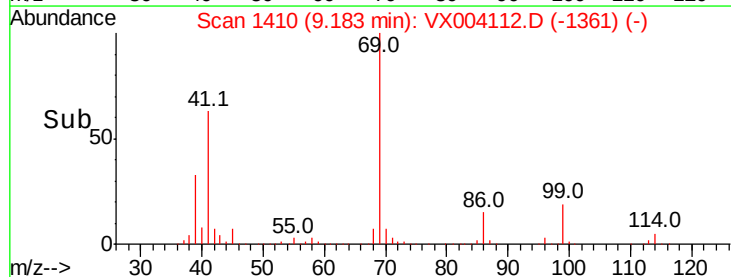
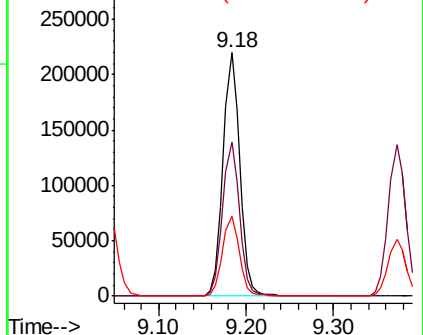


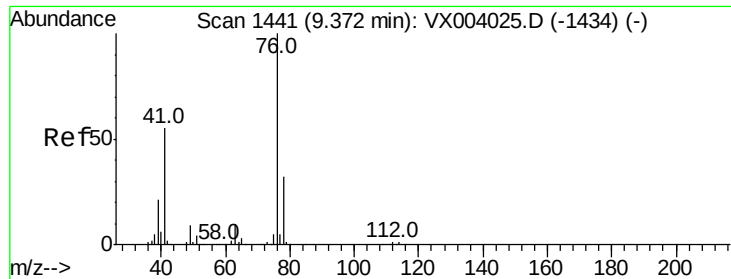
#56
 Ethyl methacrylate
 Concen: 53.475 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion:	69	Resp:	291372
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.6	76.0
39	33.1	25.8	38.6



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

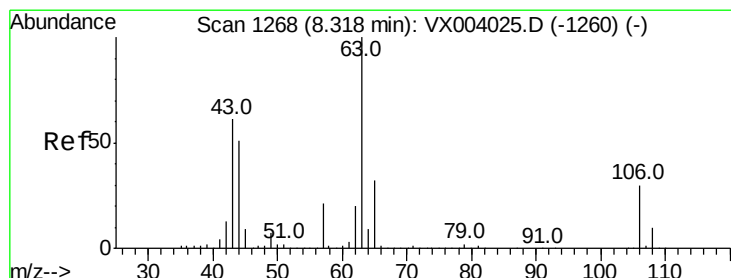
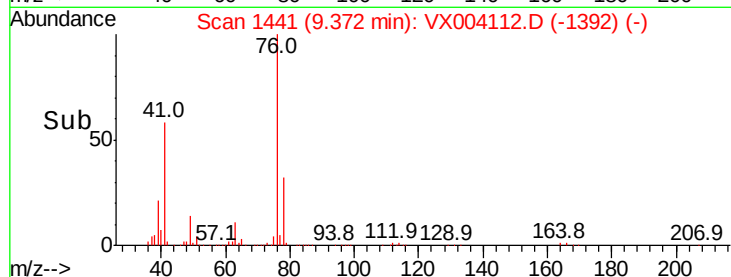
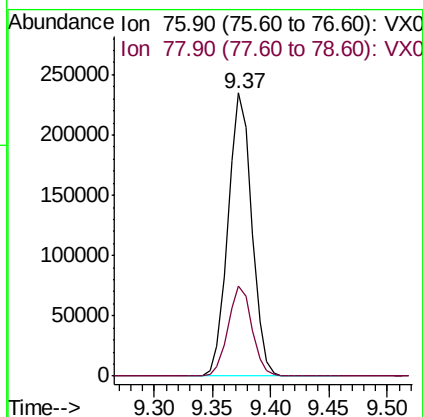
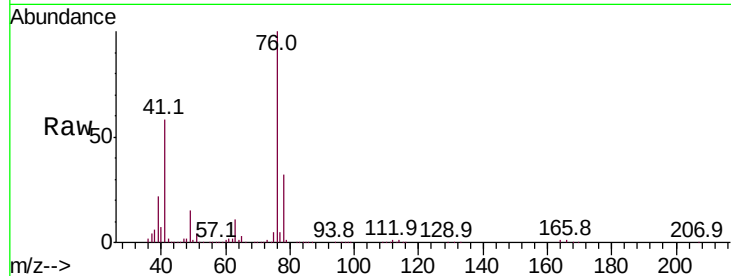




#57
 1,3-Dichloropropane
 Concen: 50.263 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

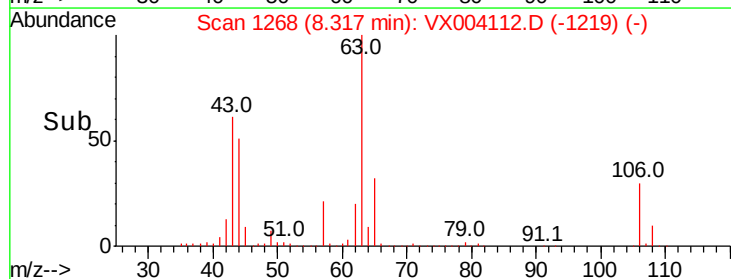
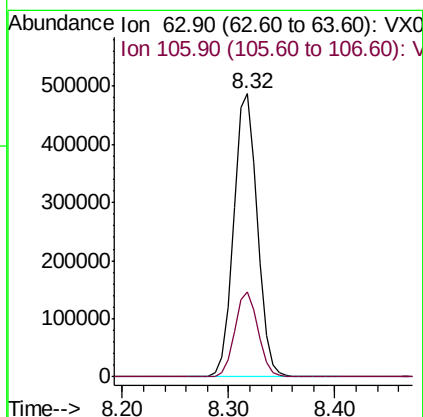
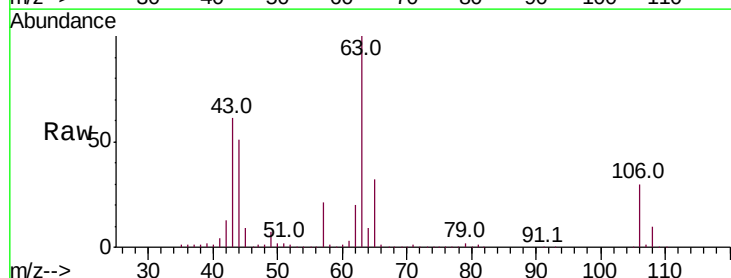
Instrument :
 MSVOA_X
 ClientSampled :

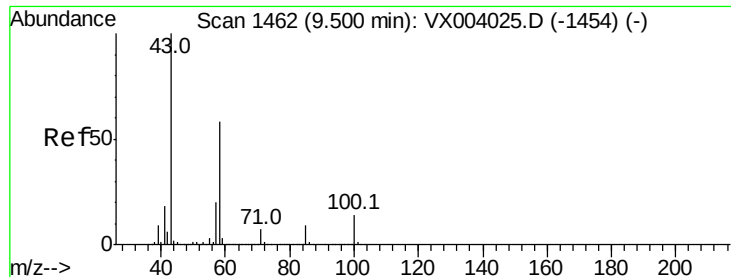
Tot Ion: 76 Resp: 334154
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.444 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 63 Resp: 758684
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.8

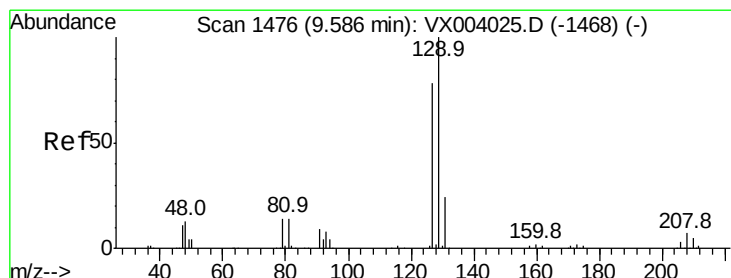
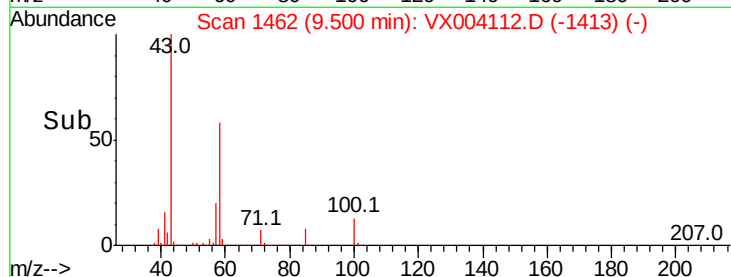
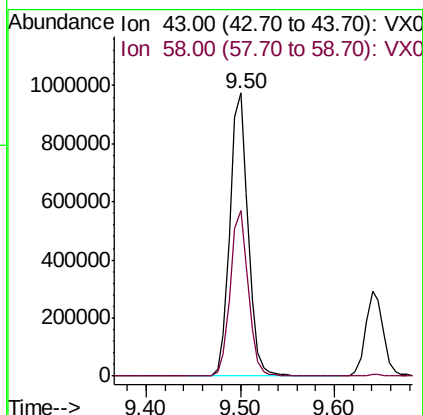
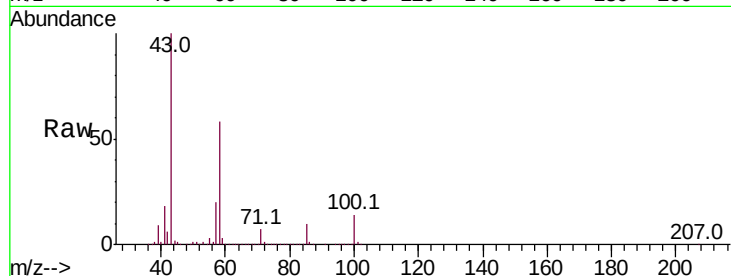




#59
2-Hexanone
Concen: 258.273 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

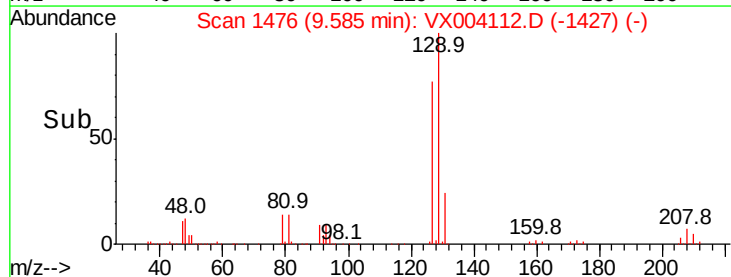
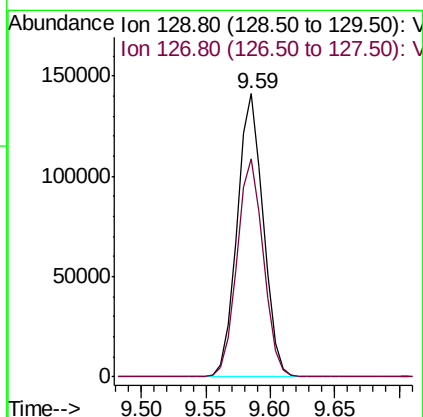
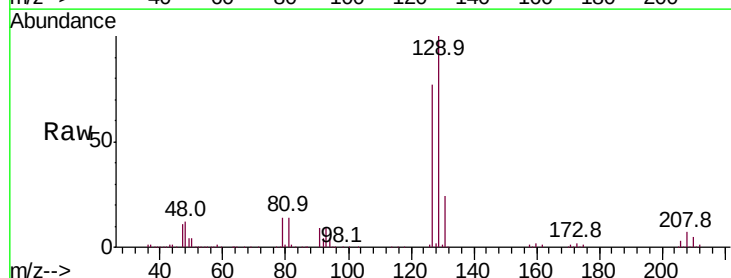
Instrument :
MSVOA_X
ClientSampled :

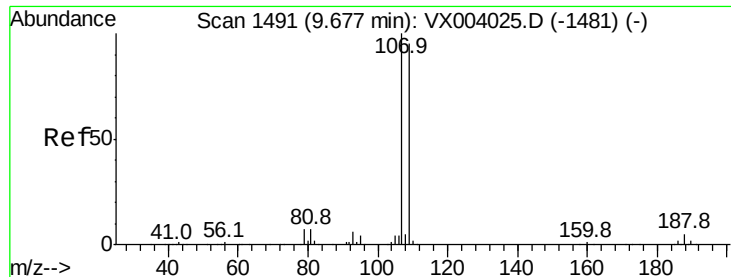
Tot Ion: 43 Resp: 1307134
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0



#60
Dibromochloromethane
Concen: 51.447 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion: 129 Resp: 198377
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.954 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

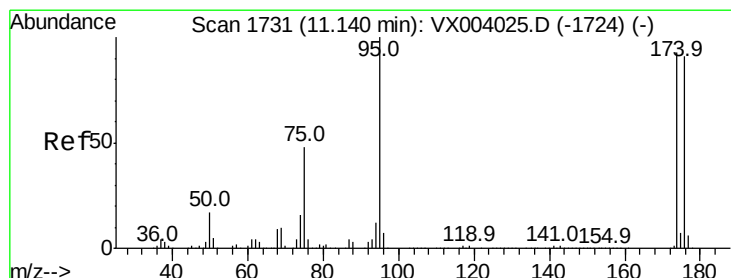
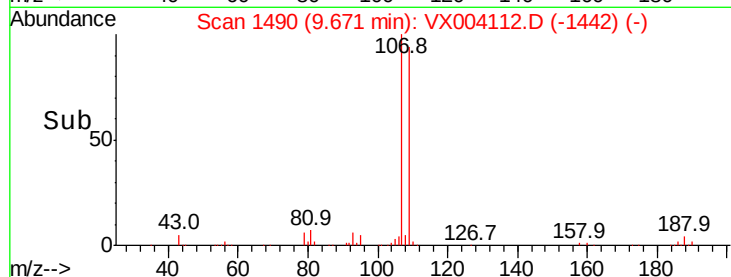
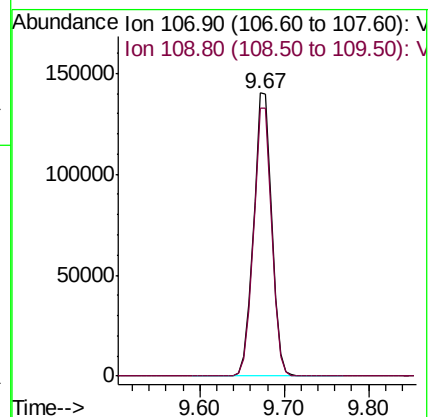
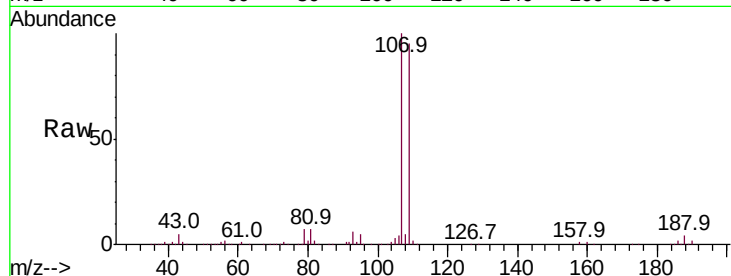
ClientSampleId :

Tot Ion:107 Resp: 204049

Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 46.960 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

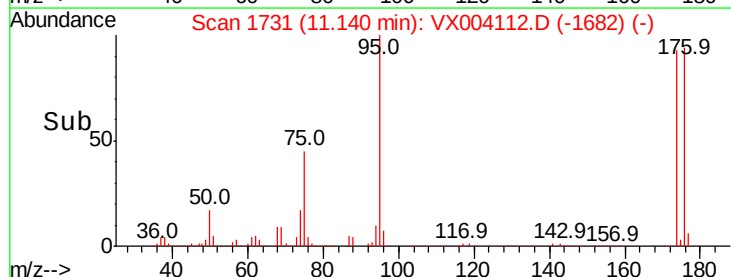
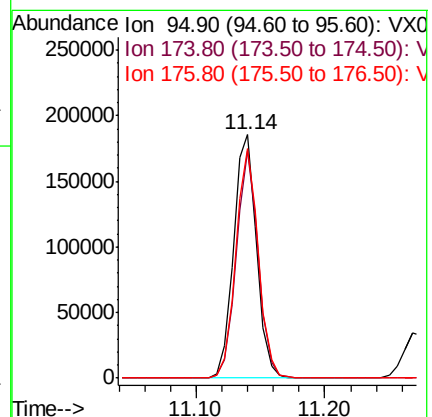
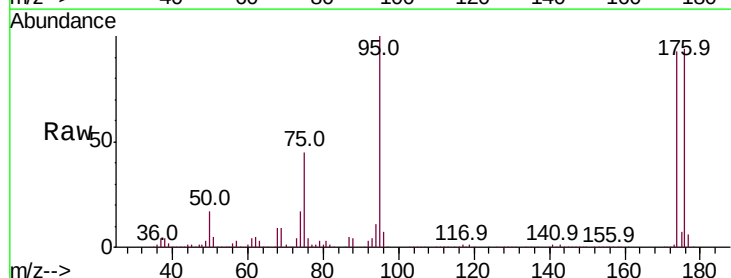
Tgt Ion: 95 Resp: 232060

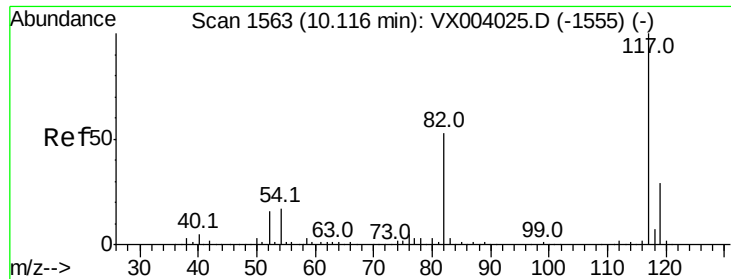
Ion Ratio Lower Upper

95 100

174 88.9 0.0 182.8

176 92.4 0.0 179.0

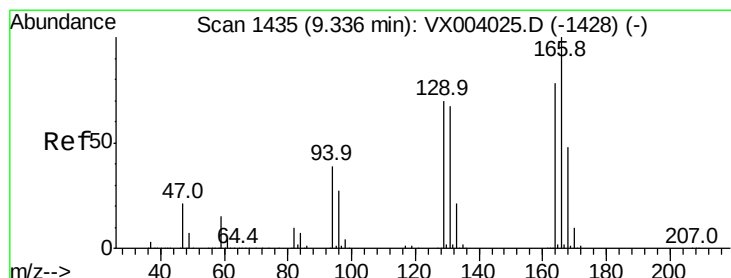
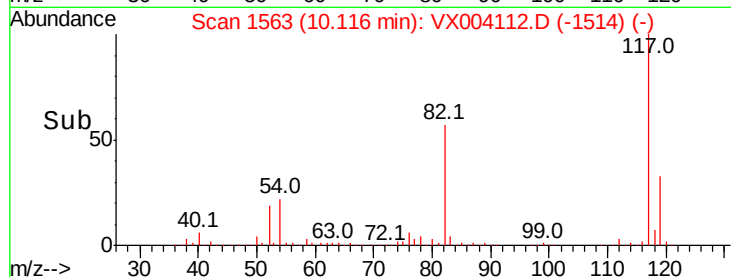
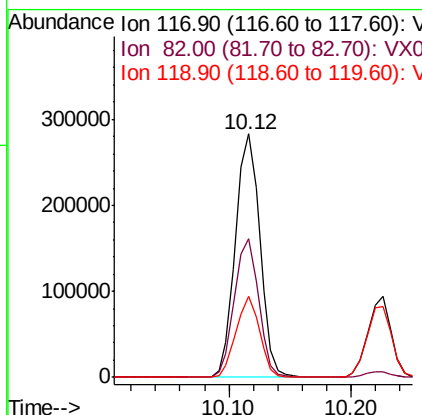
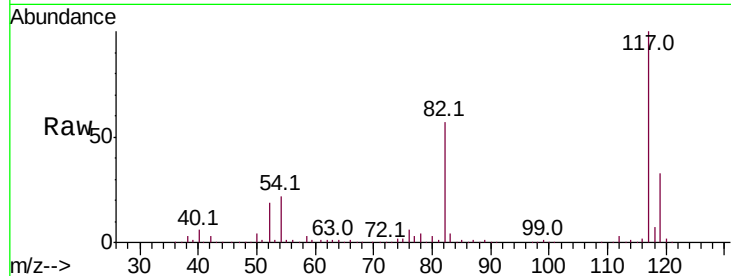




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

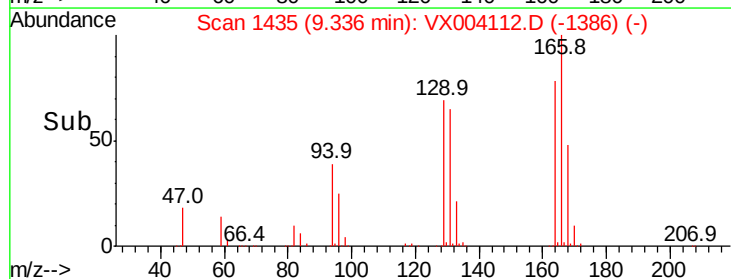
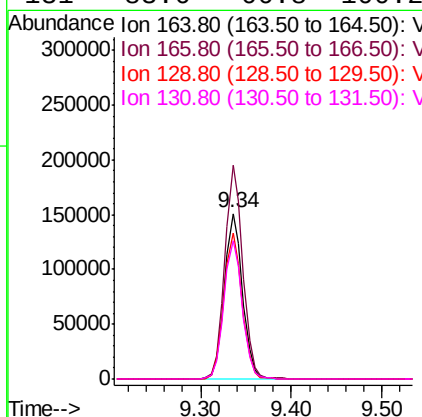
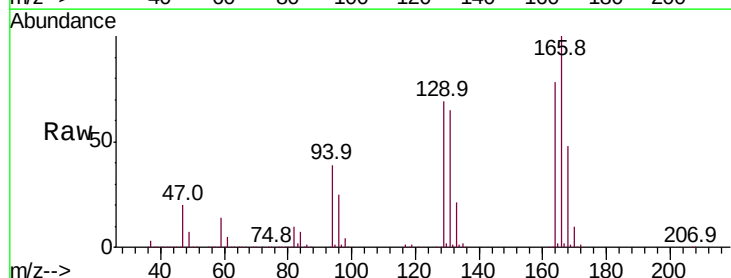
Instrument :
MSVOA_X
ClientSampleId :

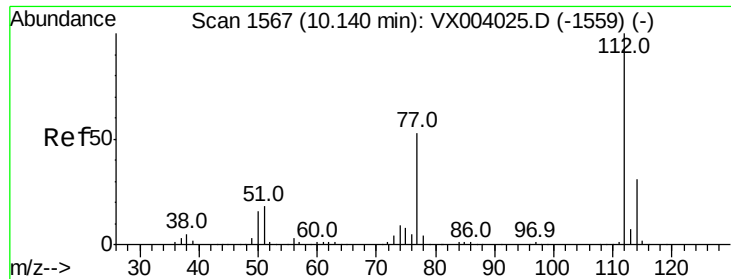
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.0
119	33.2	26.6	40.0



#64
Tetrachloroethene
Concen: 56.602 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	98.0	147.0
129	88.4	64.3	96.5
131	83.6	66.8	100.2

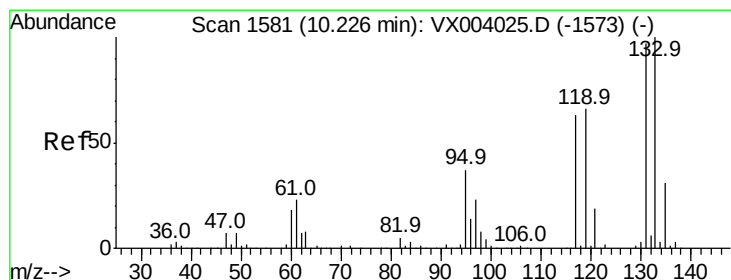
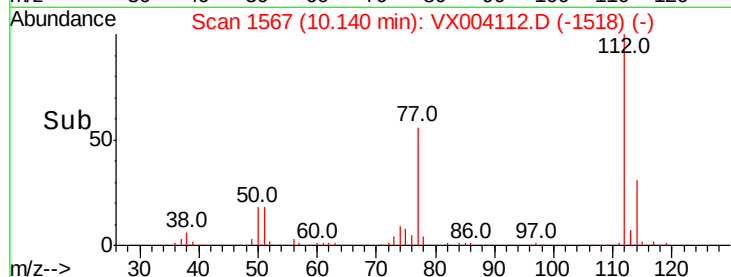
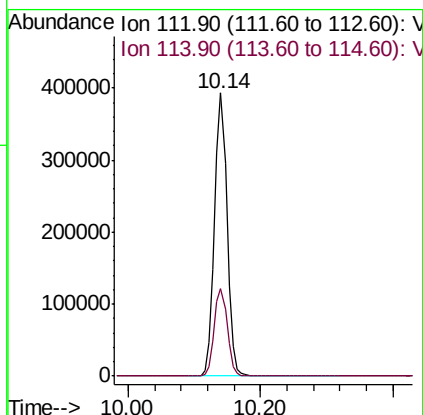
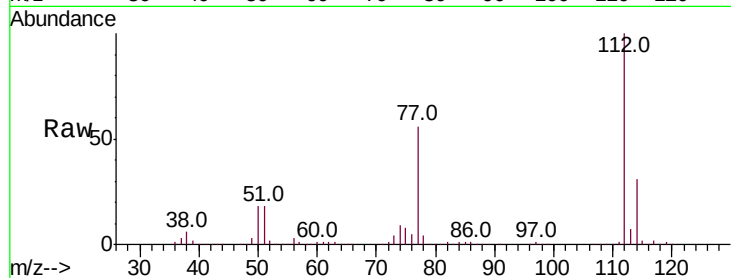




#65
Chlorobenzene
Concen: 50.231 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

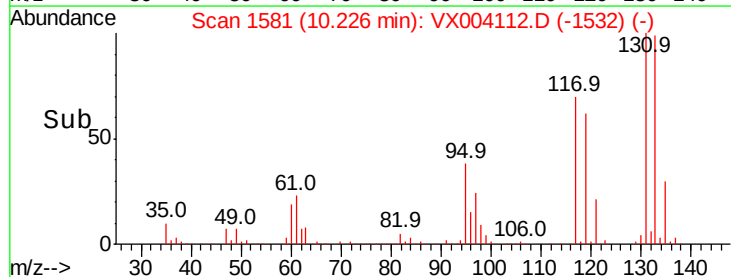
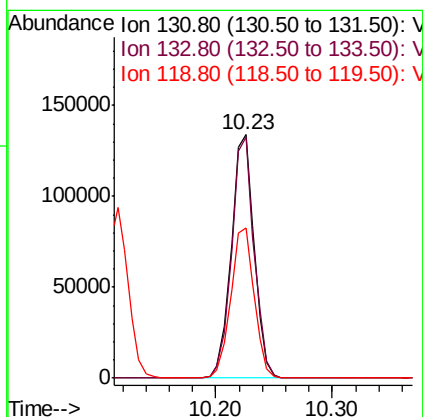
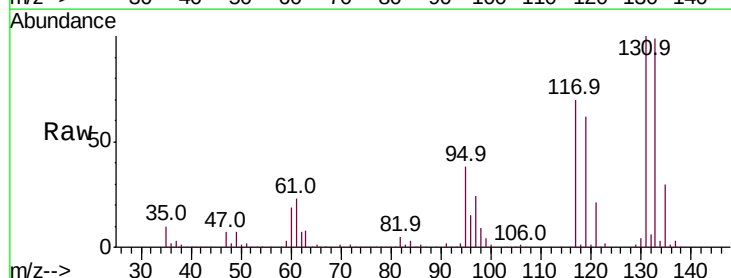
Instrument :
MSVOA_X
ClientSampled :

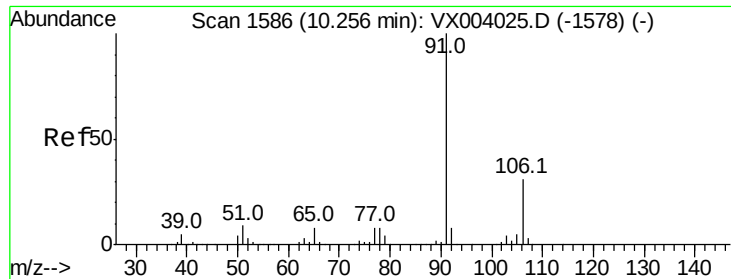
Tot Ion:112 Resp: 508765
Ion Ratio Lower Upper
112 100
114 31.1 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.014 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion:131 Resp: 183136
Ion Ratio Lower Upper
131 100
133 97.3 47.3 141.8
119 63.4 31.6 94.8





#67

Ethyl Benzene

Concen: 54.466 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

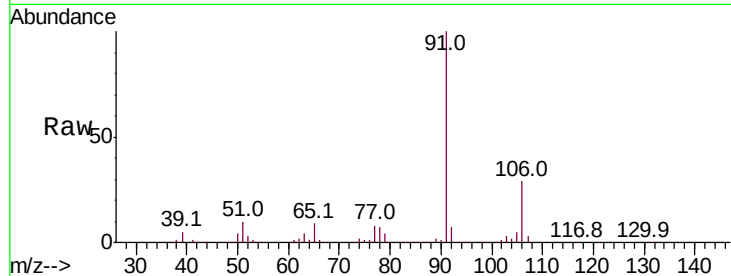
ClientSampled :

Tot Ion: 91 Resp: 873567

Ion Ratio Lower Upper

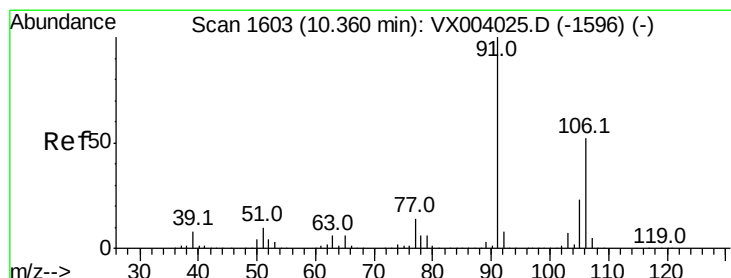
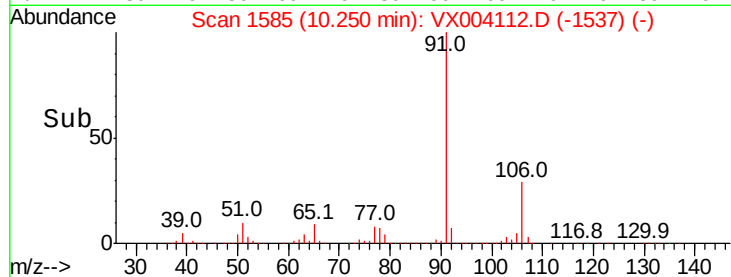
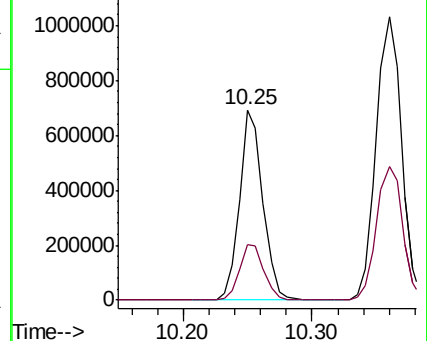
91 100

106 29.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.323 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004112.D

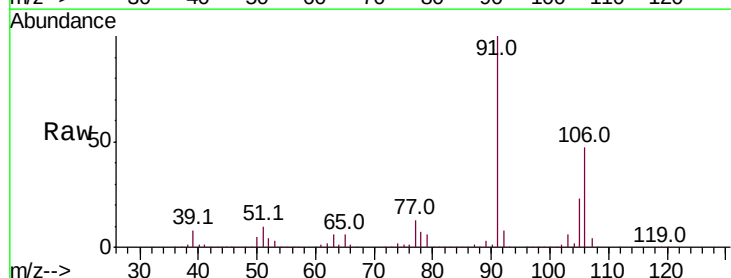
Acq: 16 Aug 2018 09:46

Tgt Ion:106 Resp: 680342

Ion Ratio Lower Upper

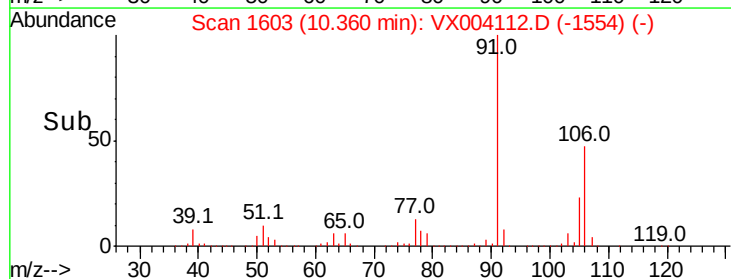
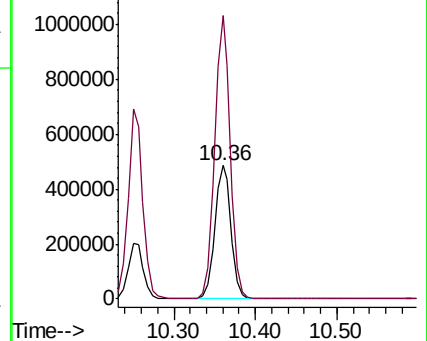
106 100

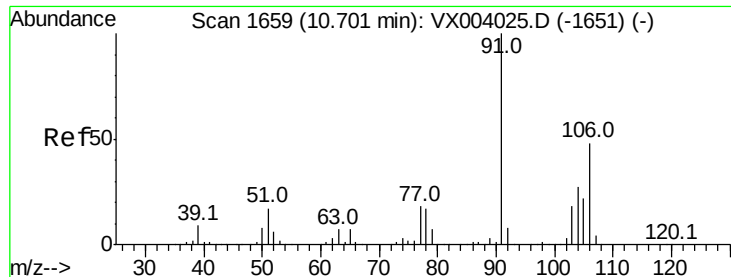
91 204.8 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

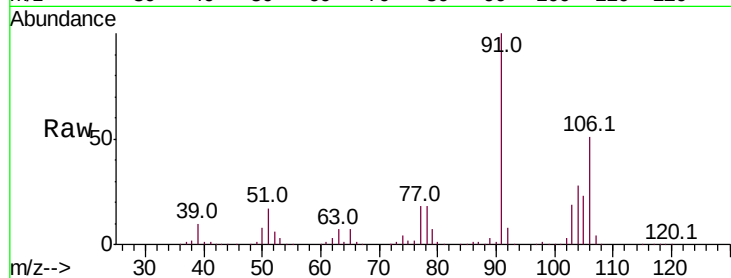




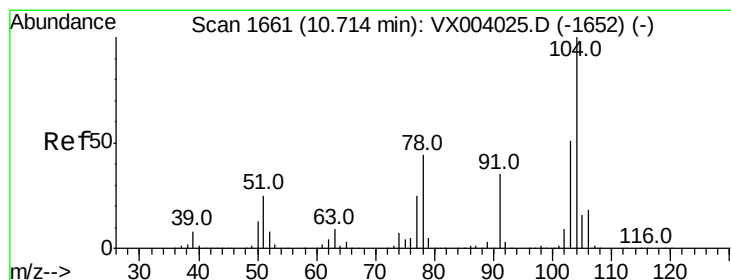
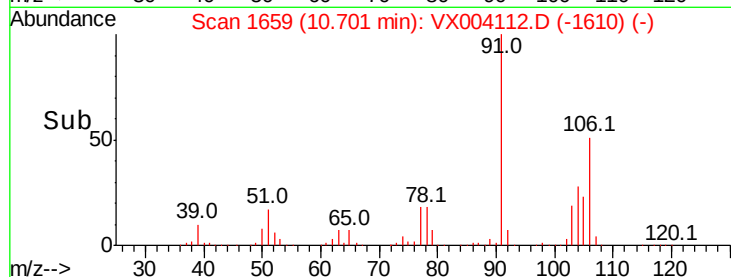
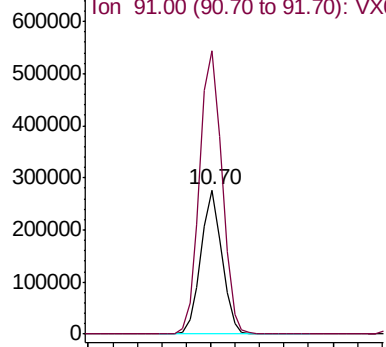
#69
o-Xylene
Concen: 54.666 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 328125
Ion Ratio Lower Upper
106 100
91 210.5 101.9 305.7

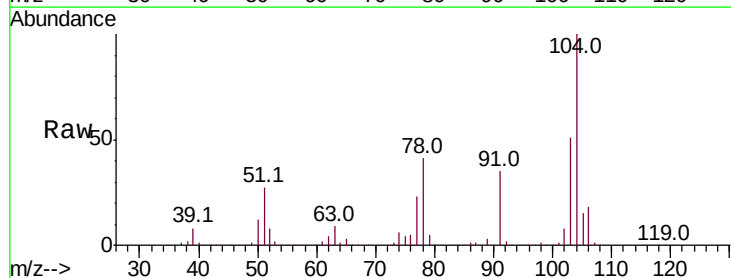


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

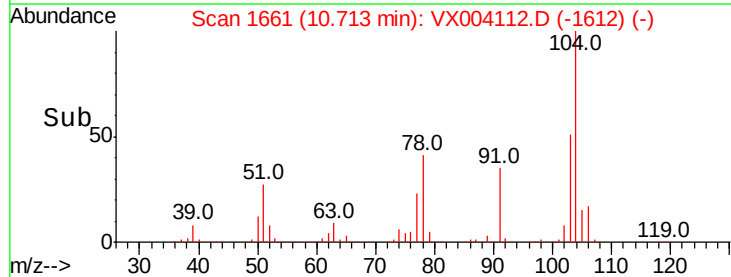
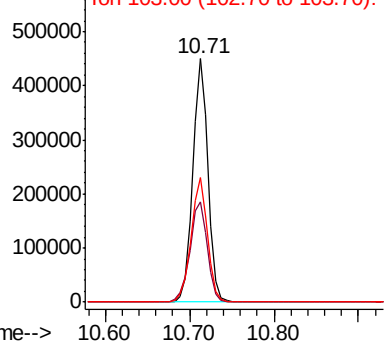


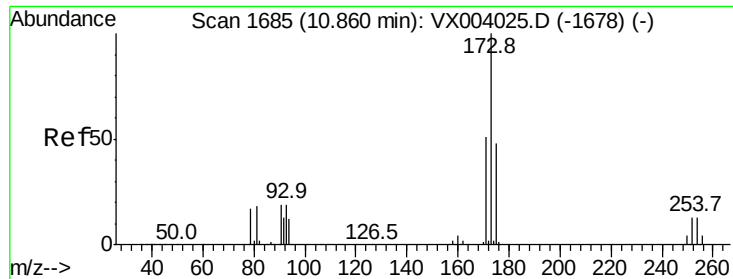
#70
Styrene
Concen: 55.770 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion:104 Resp: 563365
Ion Ratio Lower Upper
104 100
78 47.0 39.8 59.6
103 55.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.303 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

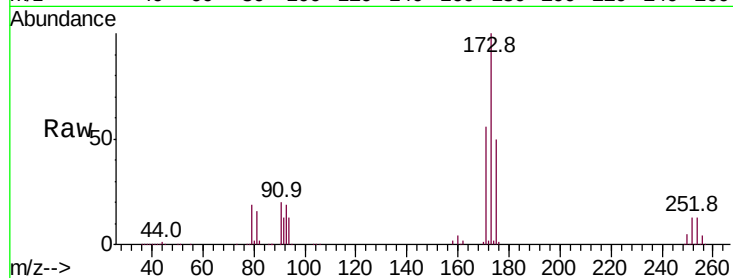
Tot Ion:173 Resp: 143276

Ion Ratio Lower Upper

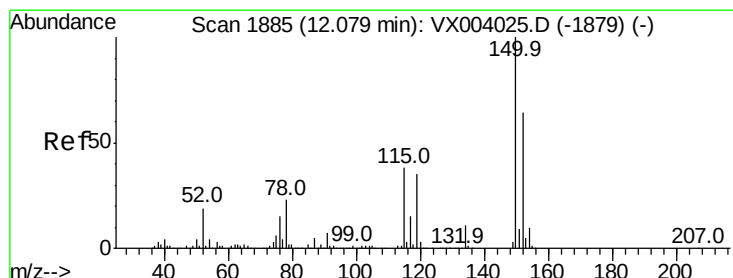
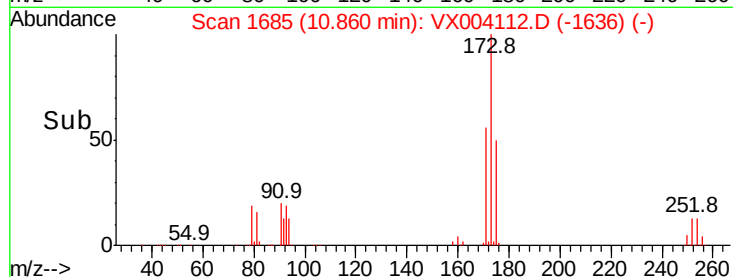
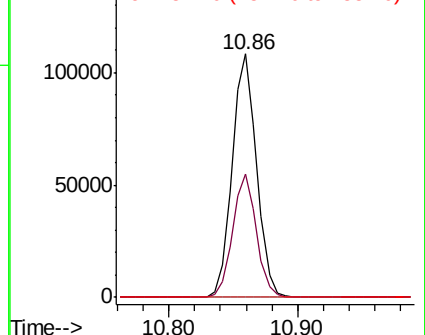
173 100

175 49.0 24.9 74.7

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

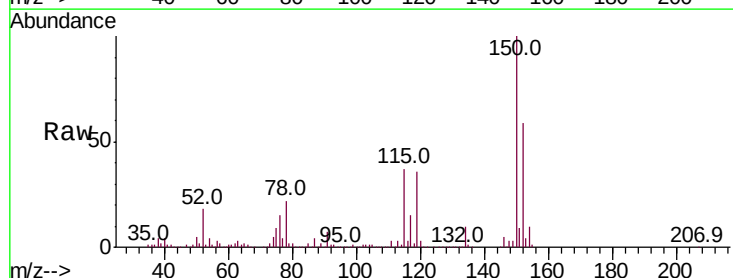
Tgt Ion:152 Resp: 261202

Ion Ratio Lower Upper

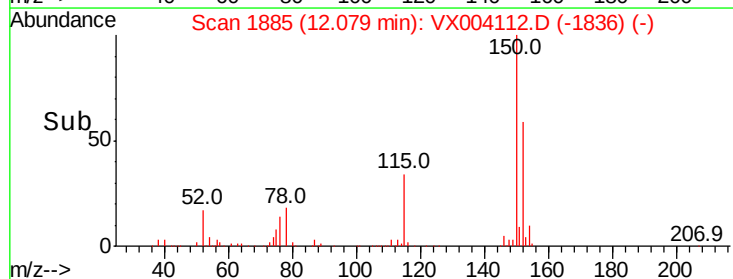
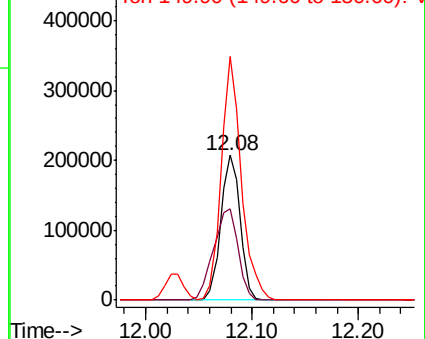
152 100

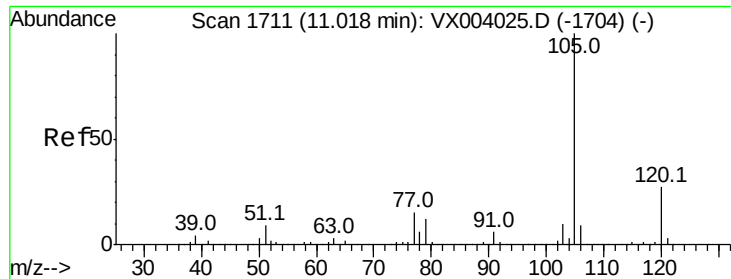
115 79.1 39.1 117.3

150 175.5 0.0 349.2



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: 51.790 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

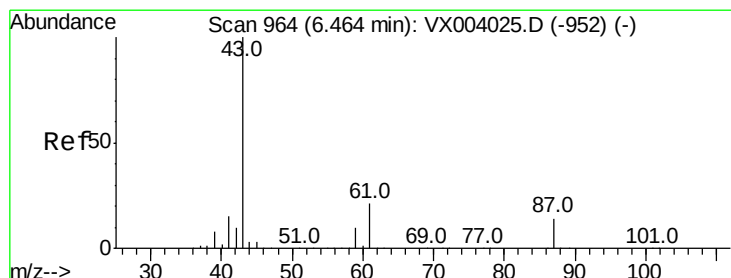
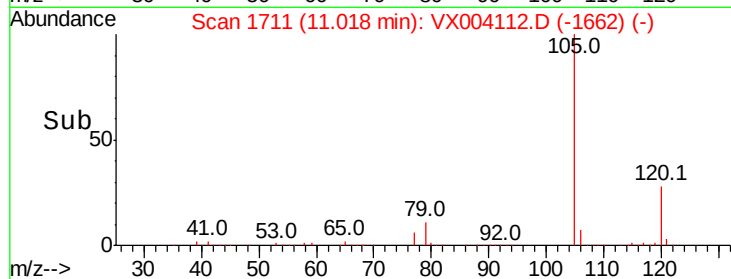
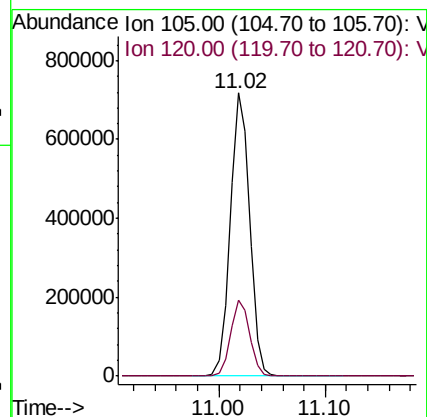
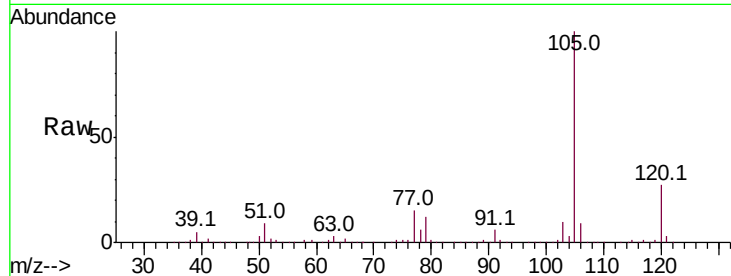
ClientSampleId :

Tot Ion:105 Resp: 915459

Ion Ratio Lower Upper

105 100

120 26.2 12.6 37.8



#74

N-amyl acetate

Concen: 48.796 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Tgt Ion: 43 Resp: 405695

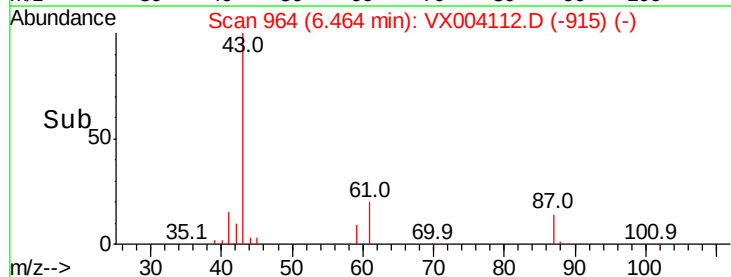
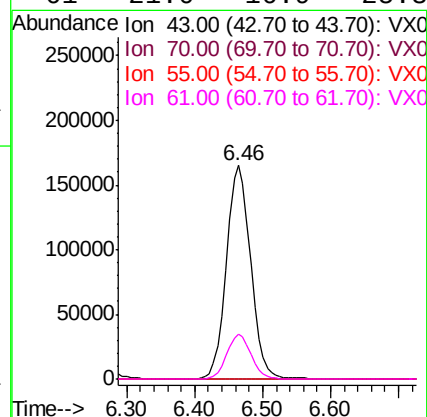
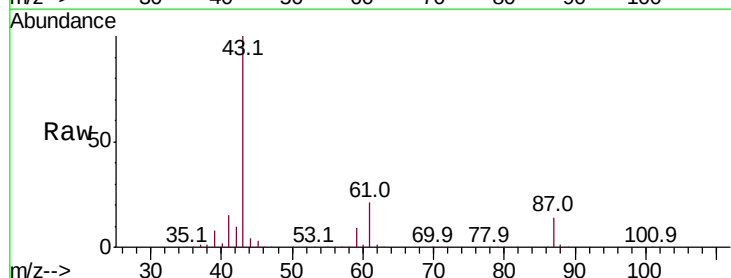
Ion Ratio Lower Upper

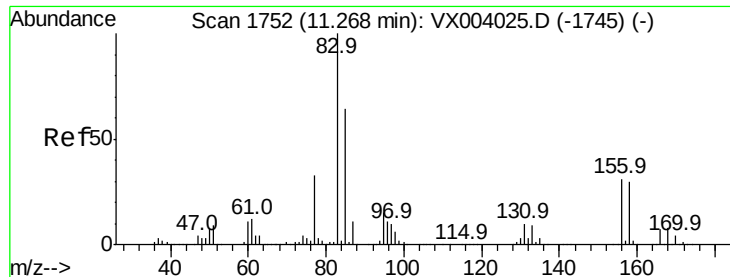
43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

61 21.0 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.250 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

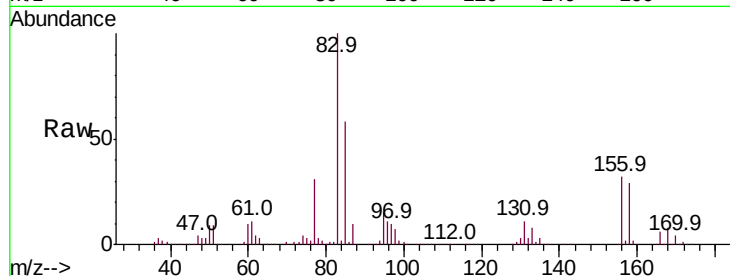
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 83 Resp: 285495

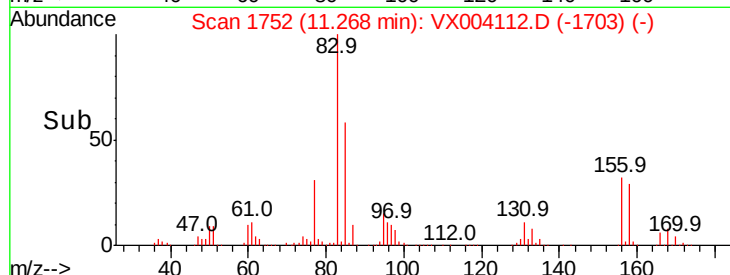
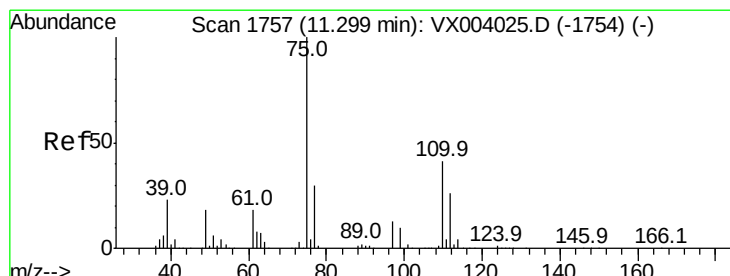
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.1	32.2	96.6



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: 57.418 ug/l

RT: 11.30 min Scan# 1757

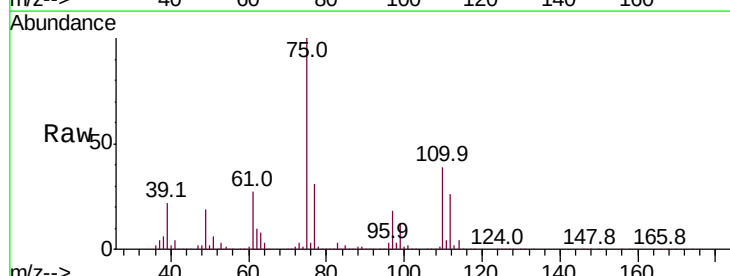
Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

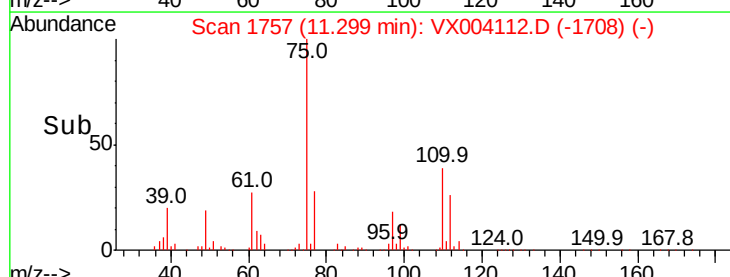
Tgt Ion: 75 Resp: 300770

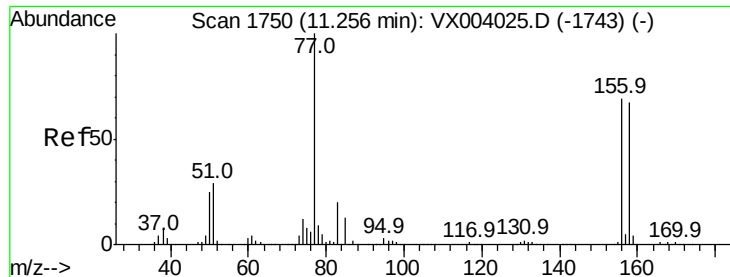
Ion	Ratio	Lower	Upper
75	100		
77	31.1	20.8	62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.385 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampleId :

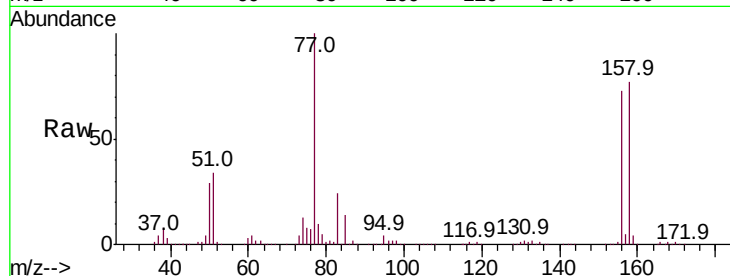
Tot Ion:156 Resp: 226024

Ion Ratio Lower Upper

156 100

77 144.5 74.1 222.2

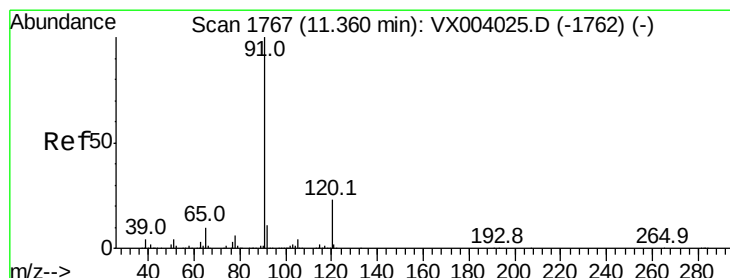
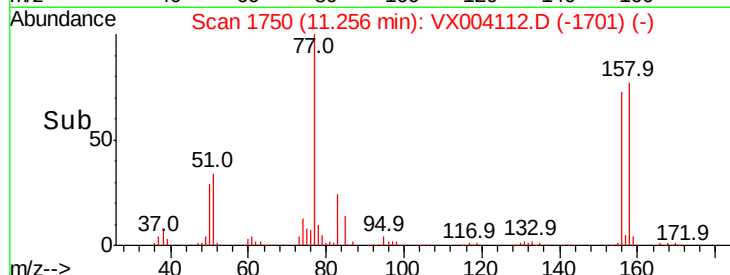
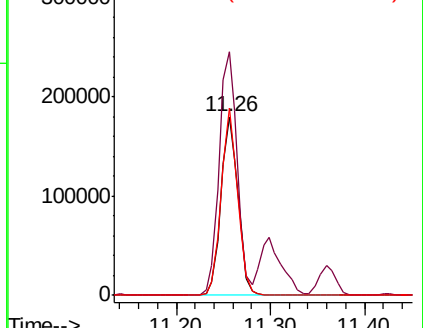
158 100.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.493 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004112.D

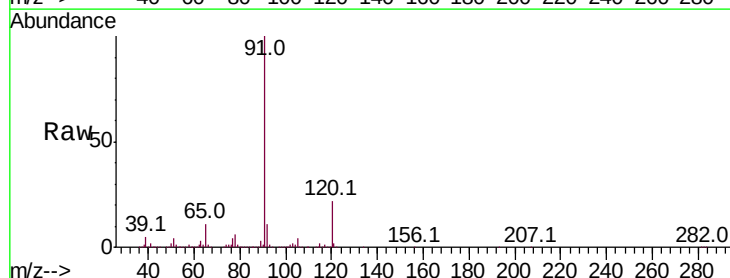
Acq: 16 Aug 2018 09:46

Tgt Ion: 91 Resp: 998828

Ion Ratio Lower Upper

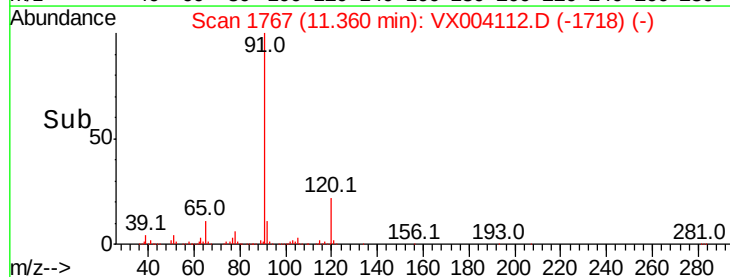
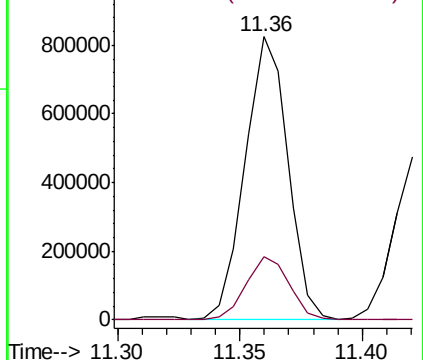
91 100

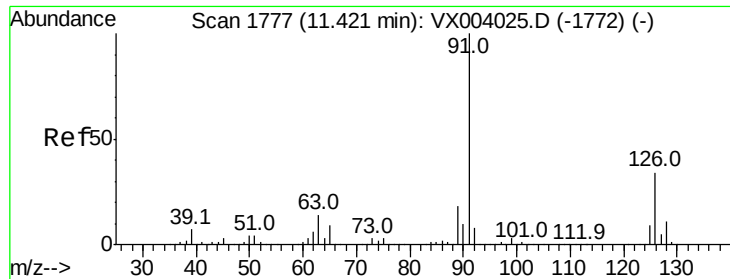
120 22.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

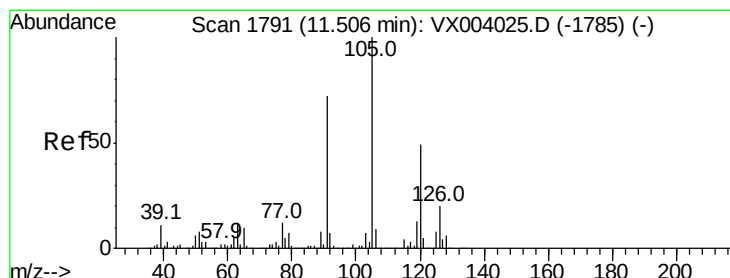
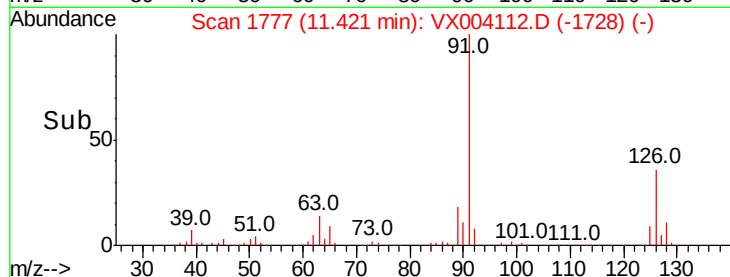
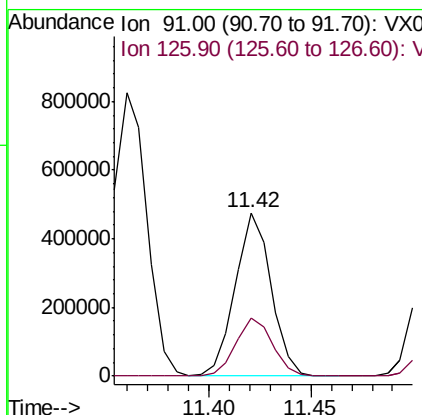
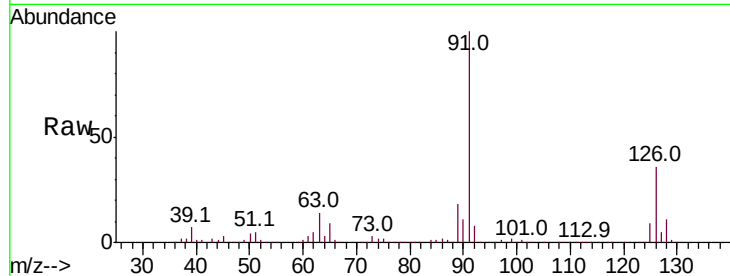




#79
 2-Chlorotoluene
 Concen: 47.812 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

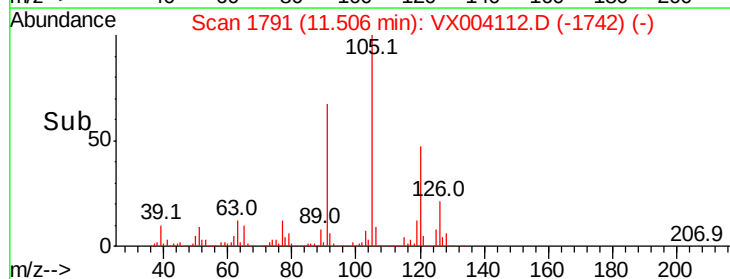
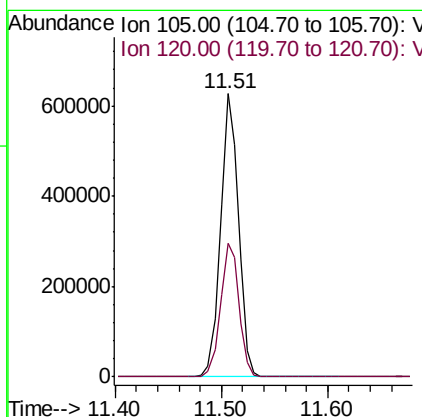
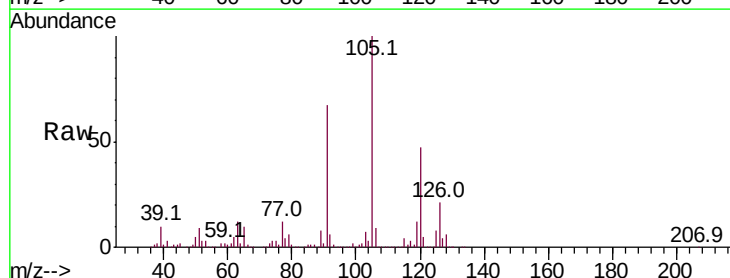
Instrument :
 MSVOA_X
 ClientSampleId :

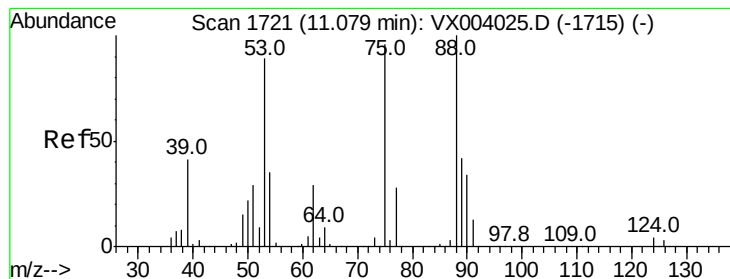
Tot Ion: 91 Resp: 576379
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 50.846 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 105 Resp: 735923
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 38.539 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

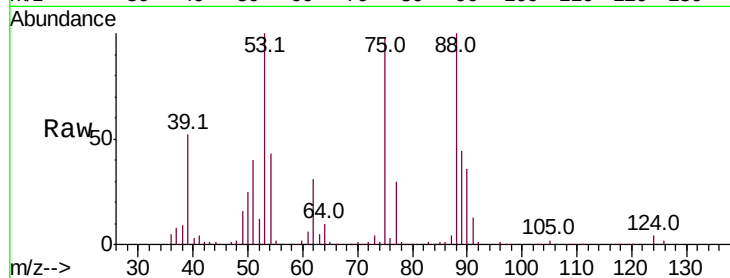
Tot Ion: 75 Resp: 65215

Ion Ratio Lower Upper

75 100

53 97.5 80.3 120.5

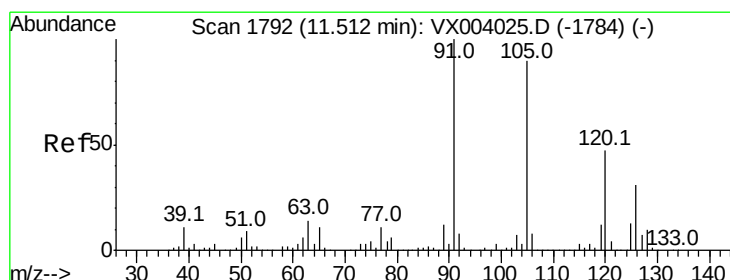
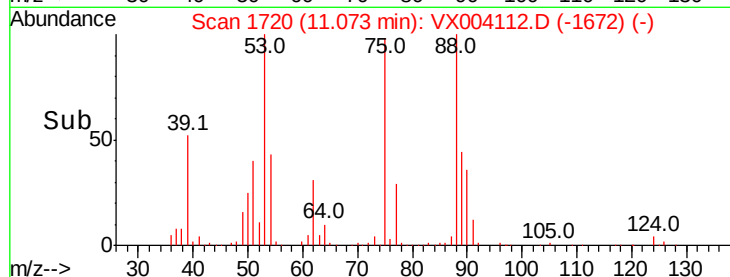
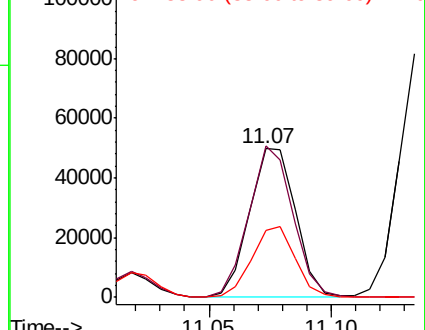
89 45.1 37.8 56.8



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: 47.870 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004112.D

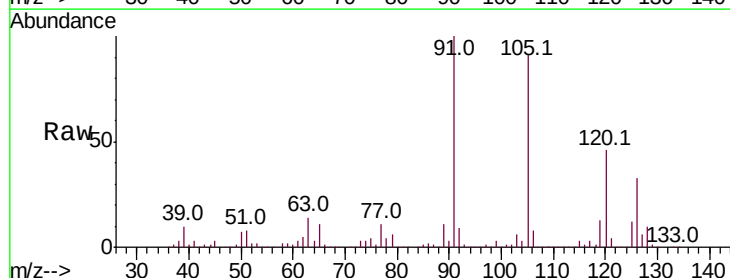
Acq: 16 Aug 2018 09:46

Tgt Ion: 91 Resp: 682138

Ion Ratio Lower Upper

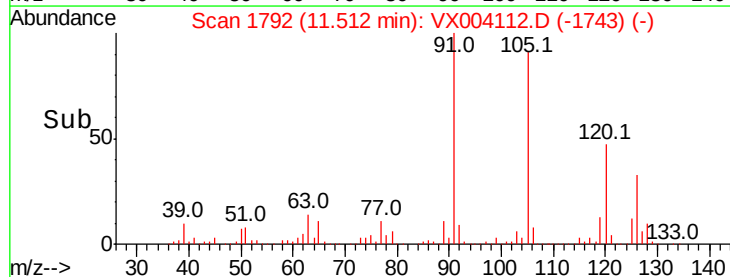
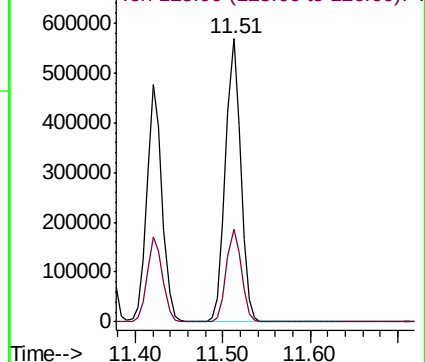
91 100

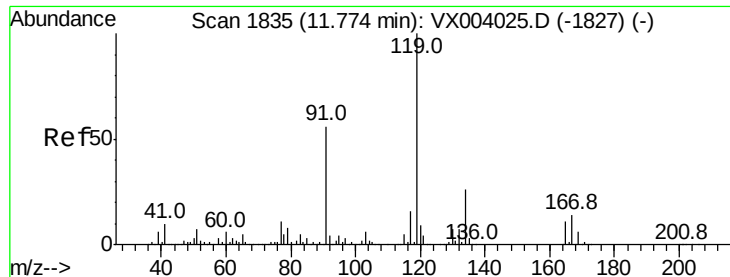
126 32.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

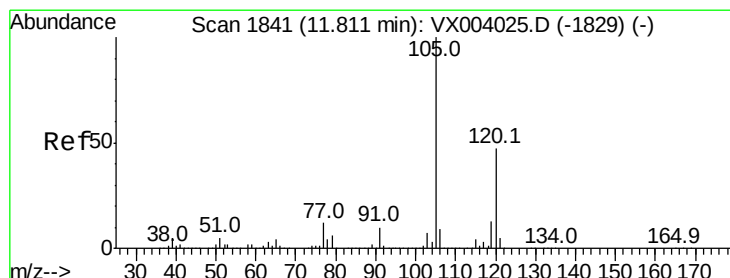
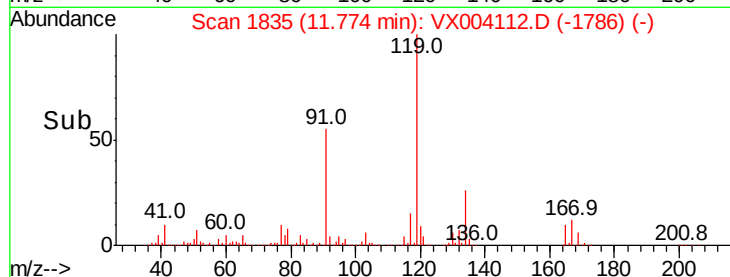
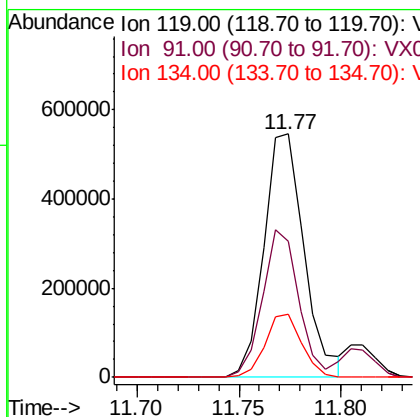
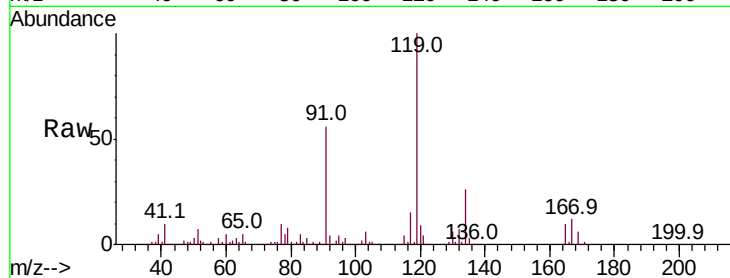




#83
 tert-Butylbenzene
 Concen: 51.443 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

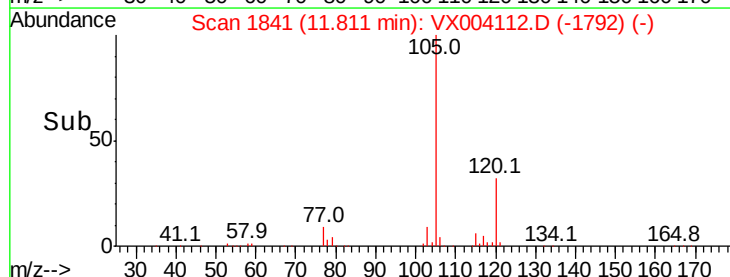
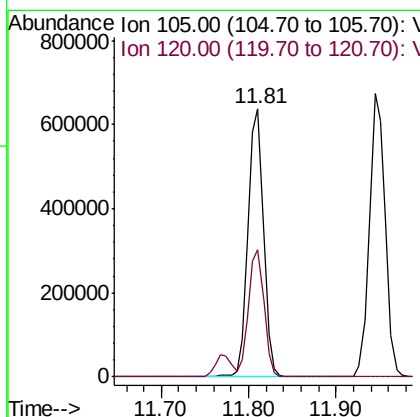
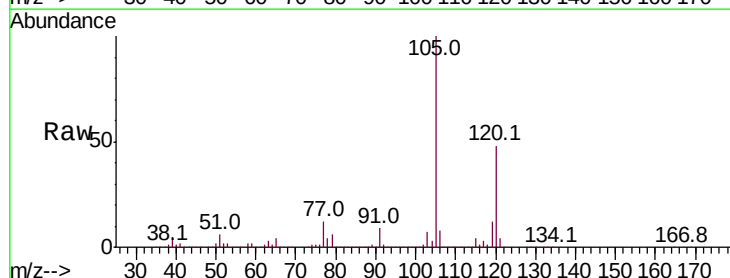
Instrument :
 MSVOA_X
 ClientSampleId :

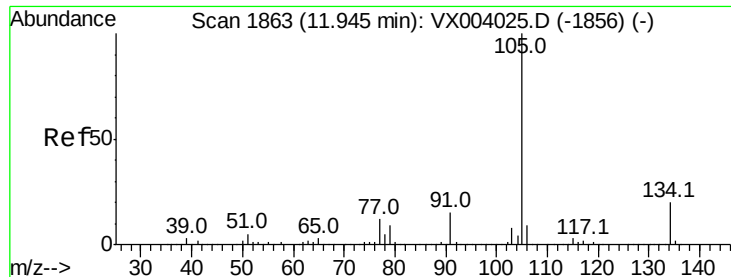
Tot Ion	Ratio	Lower	Upper
119	100		
91	54.4	26.9	80.7
134	23.9	12.0	36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.857 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.1	69.2

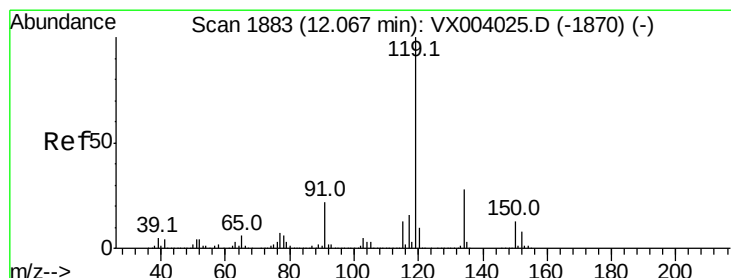
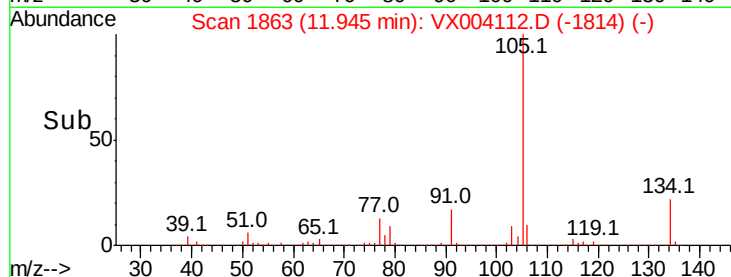
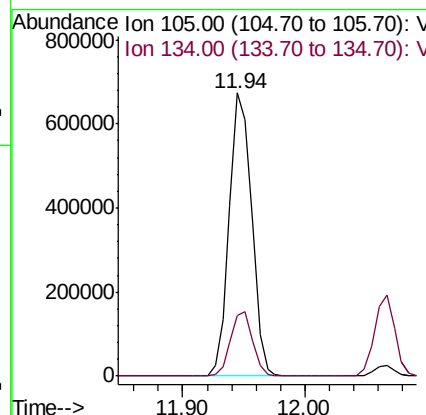
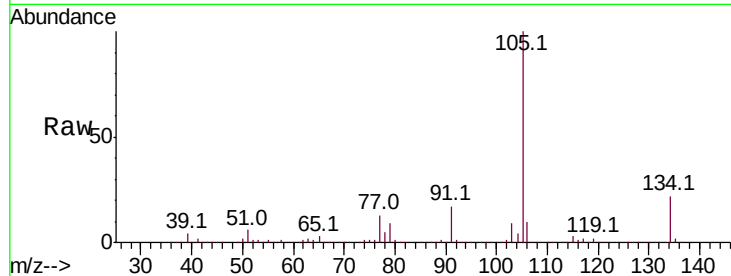




#85
 sec-Butylbenzene
 Concen: 50.114 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

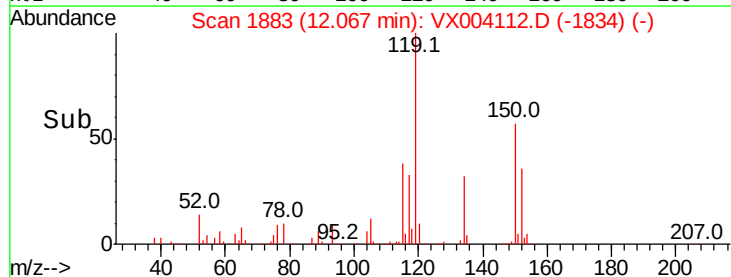
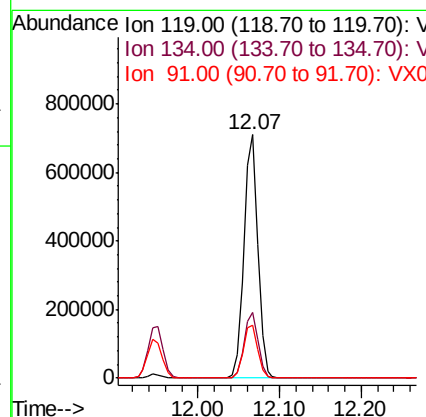
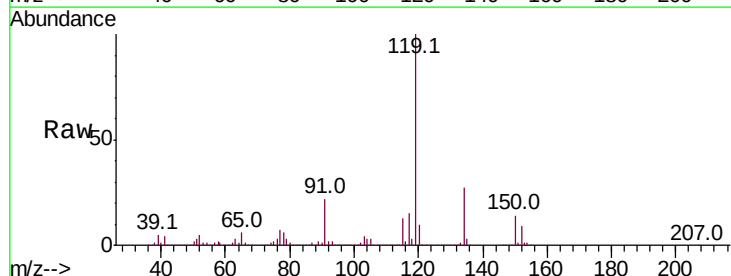
Instrument :
 MSVOA_X
 ClientSampleId :

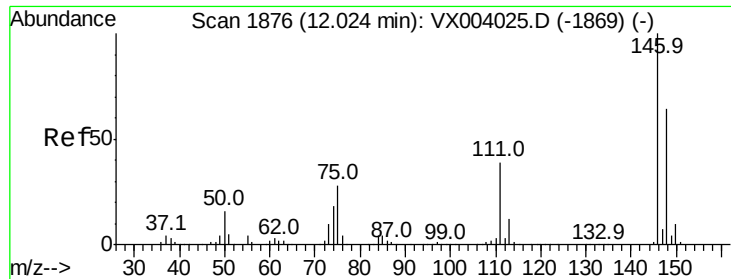
Tot Ion:105 Resp: 855931
 Ion Ratio Lower Upper
 105 100
 134 22.2 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 52.815 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion:119 Resp: 816641
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.3 39.8
 91 22.4 10.9 32.7

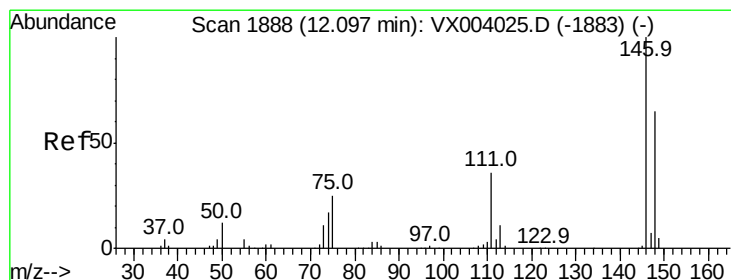
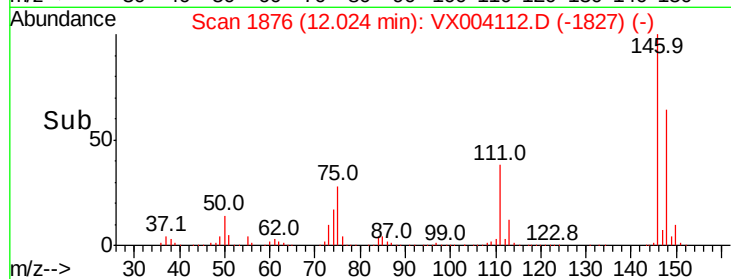
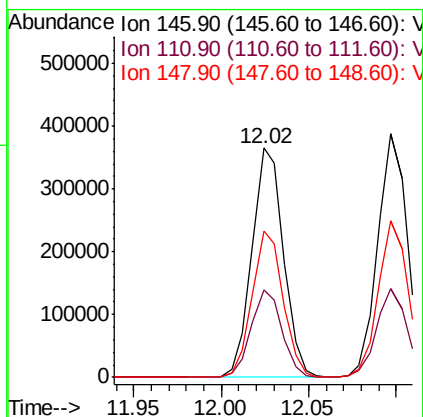
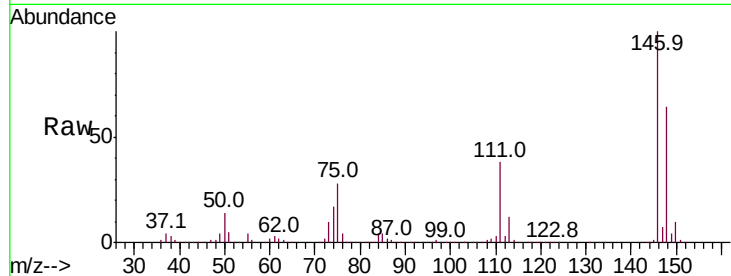




#87
 1,3-Dichlorobenzene
 Concen: 49.253 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

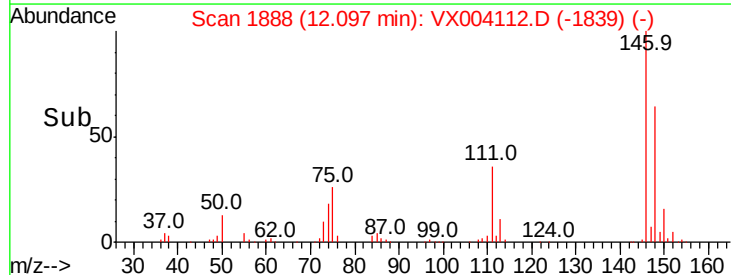
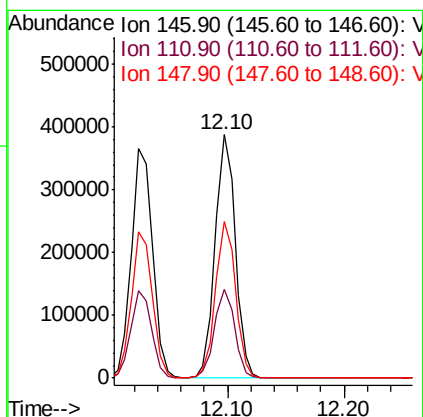
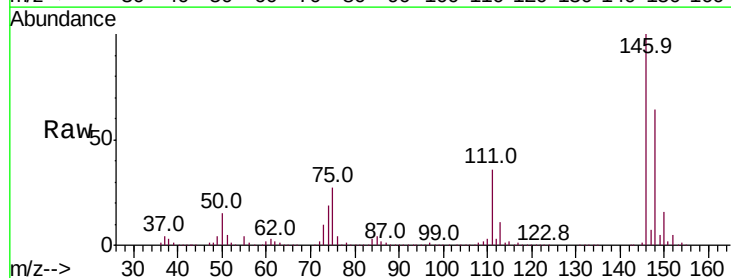
Instrument :
 MSVOA_X
 ClientSampleId :

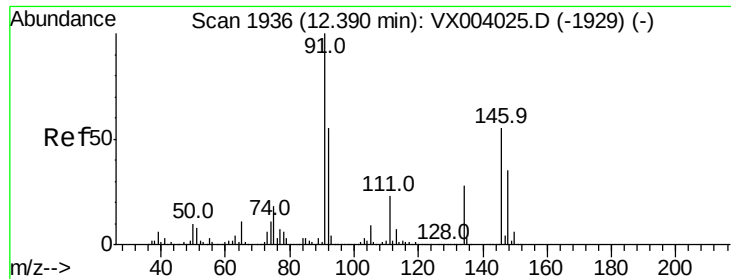
Tot Ion:146 Resp: 457726
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 62.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.088 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion:146 Resp: 459954
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 64.4 32.3 96.8





#89

n-Butylbenzene

Concen: 53.079 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004112.D

Acq: 16 Aug 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

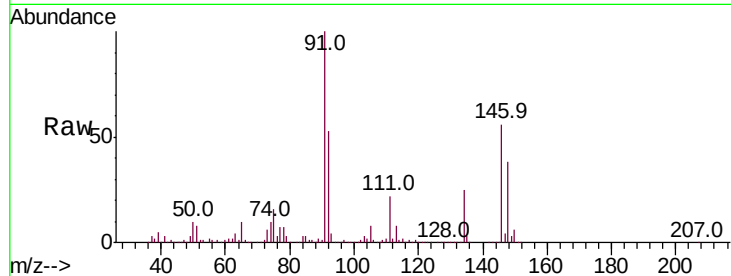
Tot Ion: 91 Resp: 646721

Ion Ratio Lower Upper

91 100

92 52.5 27.1 81.3

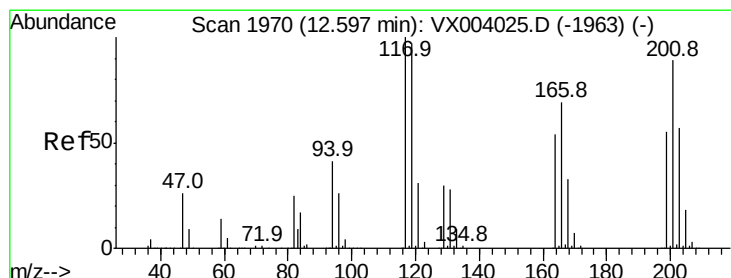
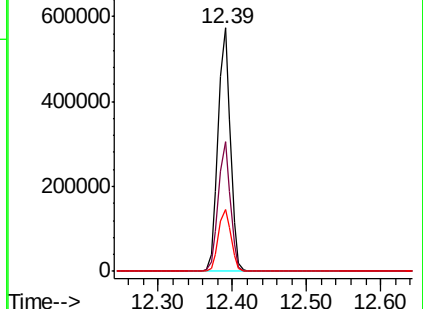
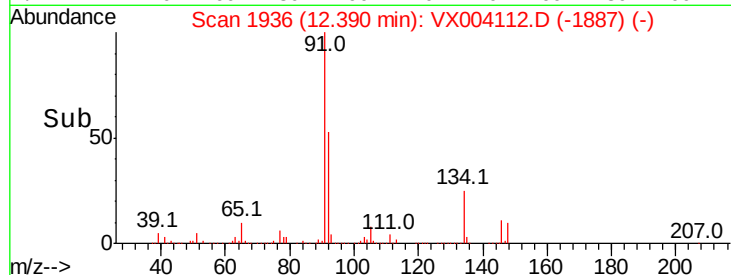
134 26.3 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX004112.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX004112.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX004112.D (-1929) (-)



#90

Hexachloroethane

Concen: 48.771 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004112.D

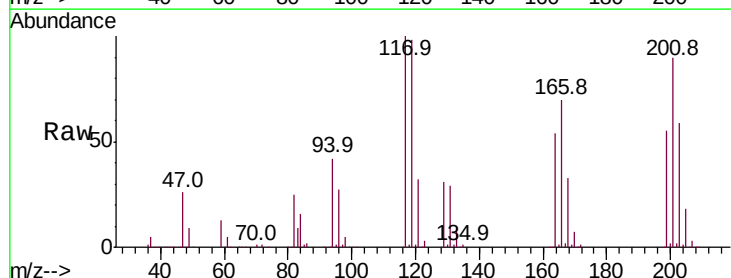
Acq: 16 Aug 2018 09:46

Tgt Ion: 117 Resp: 112836

Ion Ratio Lower Upper

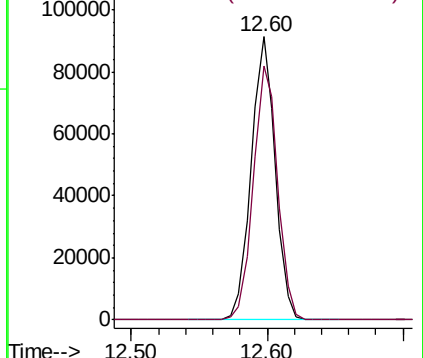
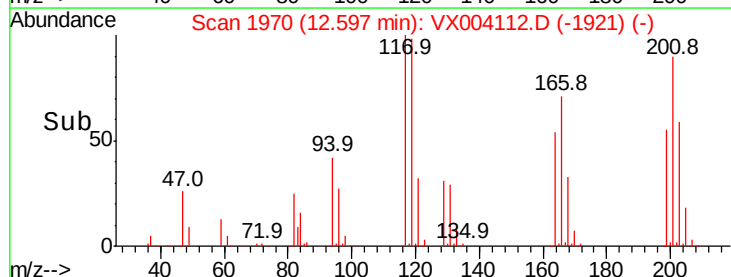
117 100

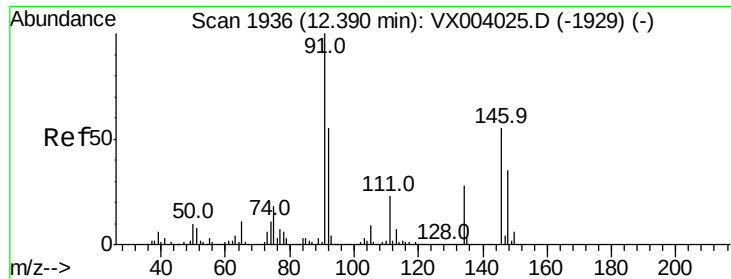
201 91.4 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): VX004112.D (-1921) (-)

Ion 200.70 (200.40 to 201.40): VX004112.D (-1921) (-)

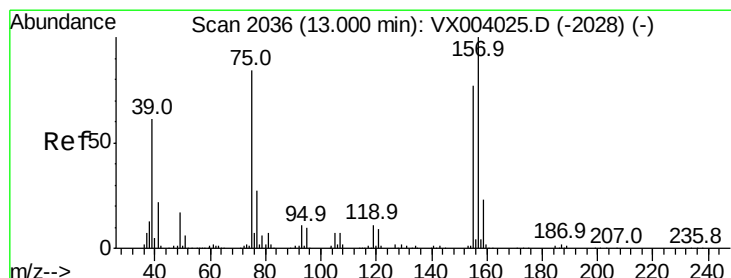
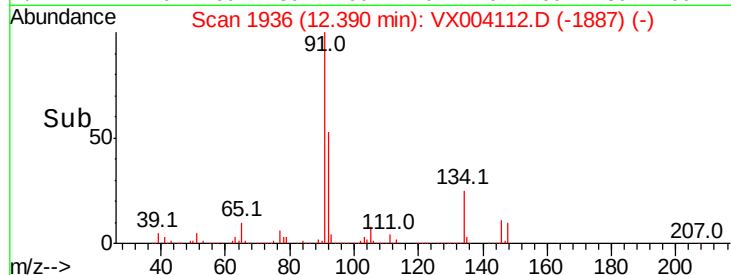
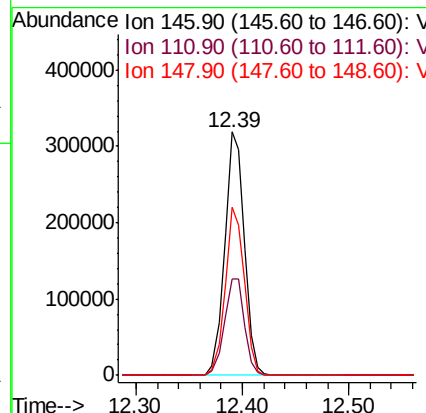
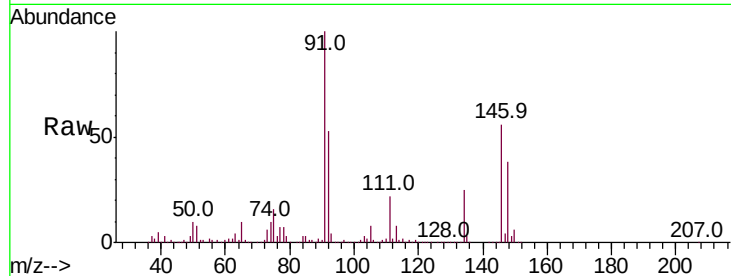




#91
 1,2-Dichlorobenzene
 Concen: 48.656 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

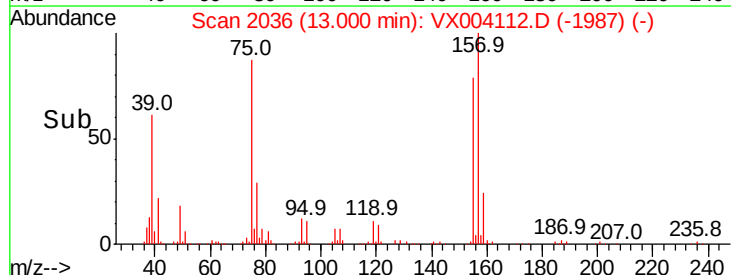
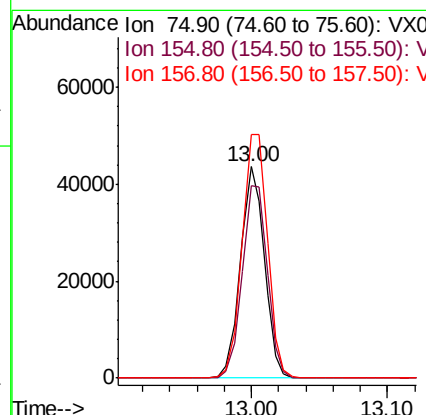
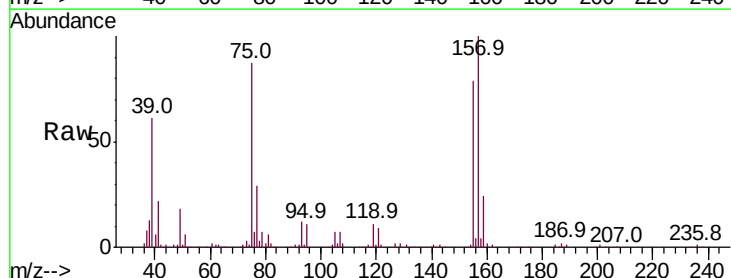
Instrument :
 MSVOA_X
 ClientSampleId :

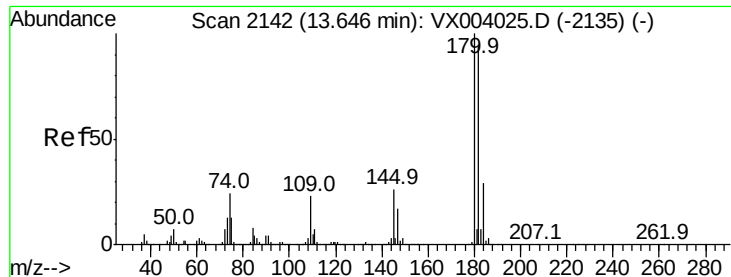
Tot Ion:146 Resp: 407800
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.7 59.0
 148 67.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.234 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion: 75 Resp: 53414
 Ion Ratio Lower Upper
 75 100
 155 95.4 48.7 146.1
 157 122.3 62.6 187.8

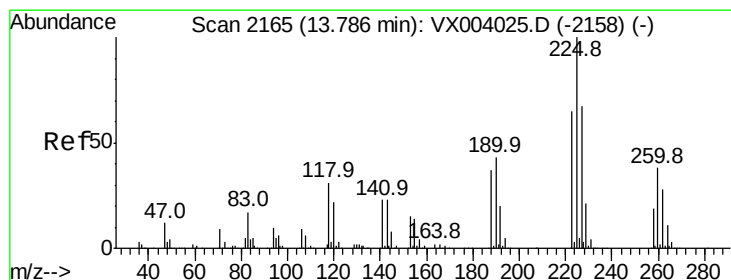
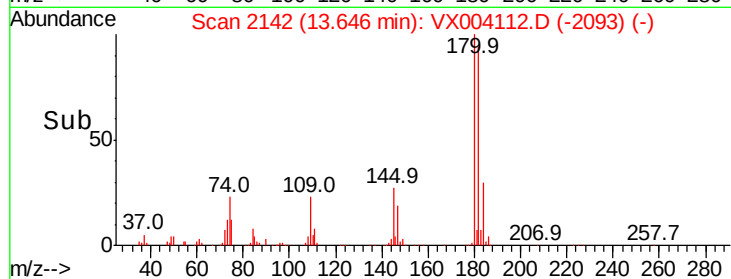
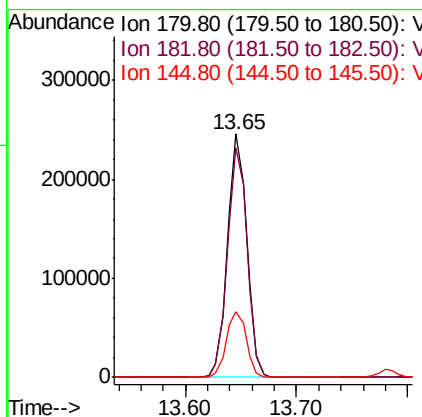
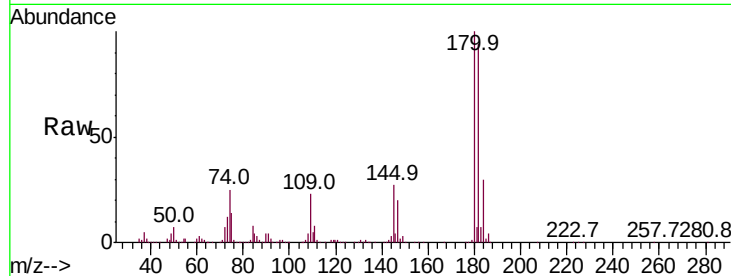




#93
 1,2,4-Trichlorobenzene
 Concen: 51.477 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

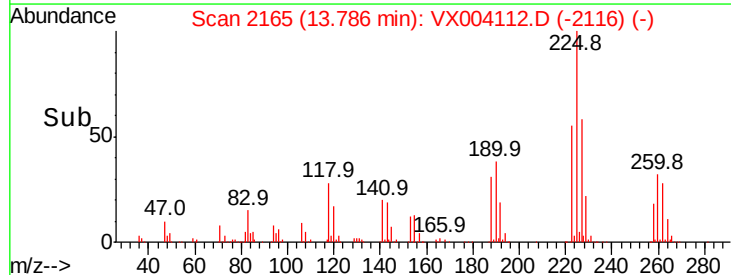
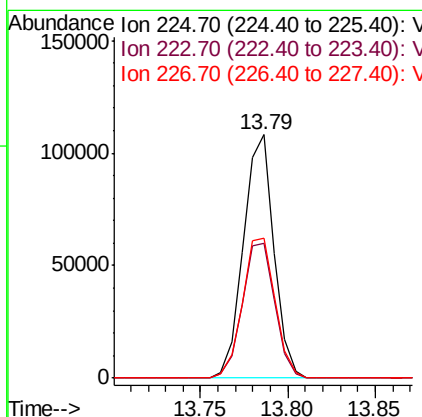
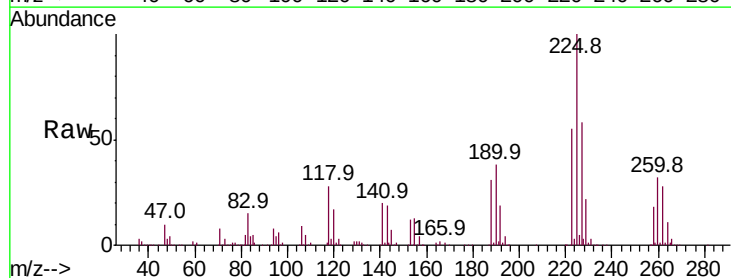
Instrument :
 MSVOA_X
 ClientSampleId :

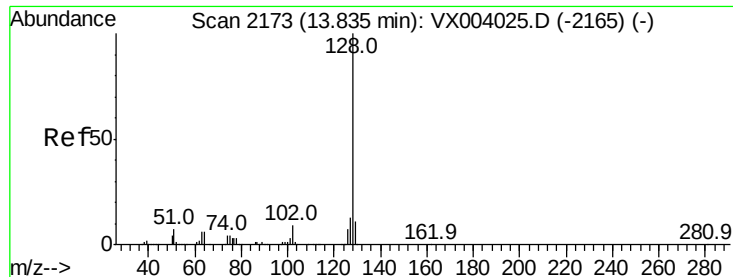
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.7	143.1
145	28.1	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 45.513 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004112.D
 Acq: 16 Aug 2018 09:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.4	94.0
227	61.5	32.1	96.5

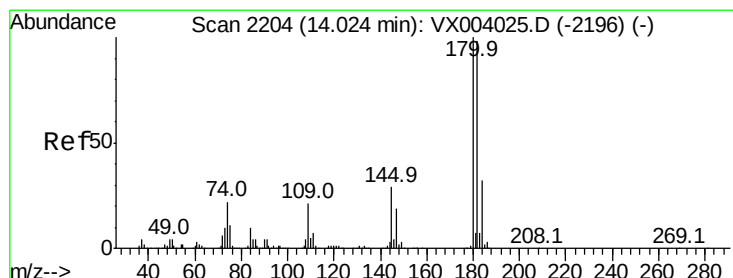
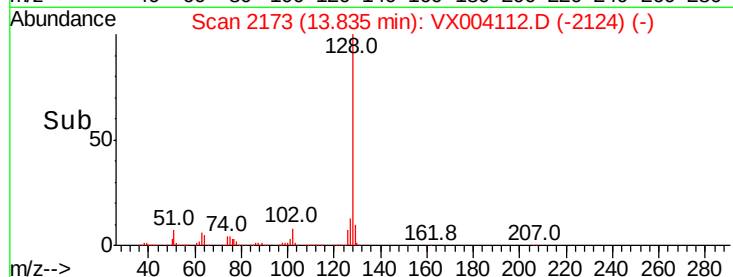
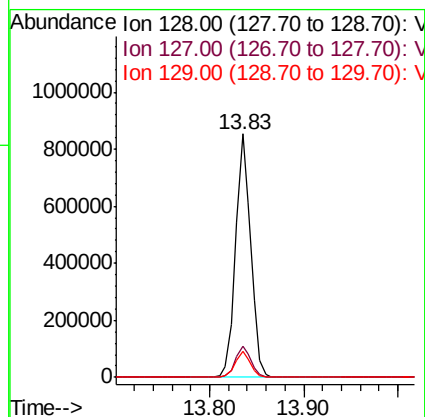
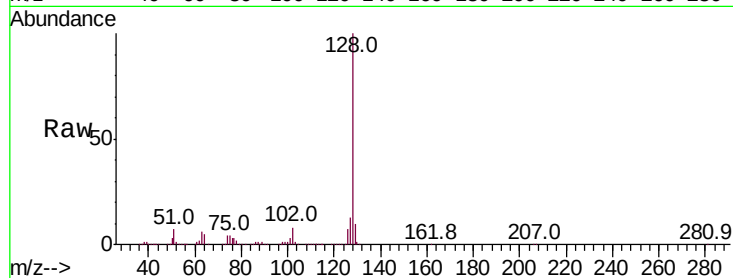




#95
Naphthalene
Concen: 51.924 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 949111
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.981 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004112.D
Acq: 16 Aug 2018 09:46

Tgt Ion:180 Resp: 324745
Ion Ratio Lower Upper
180 100
182 93.3 48.1 144.4
145 29.9 14.9 44.7

