

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005983.D
 Acq On : 14 Nov 2018 19:15
 Operator : JC/MD
 Sample : J5934-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Quant Time: Nov 15 00:25:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	111022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	164800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	150344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81109	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	68151	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	5.50	113	55651	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	8.71	98	201141	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.14	95	75761	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	48204	48.156	ug/l	97
3) Chloromethane	1.32	50	69449	52.866	ug/l	93
4) Vinyl Chloride	1.41	62	75640	57.355	ug/l	100
5) Bromomethane	1.64	94	36983	45.825	ug/l	98
6) Chloroethane	1.71	64	42332	53.797	ug/l	99
7) Trichlorofluoromethane	1.93	101	89258	50.989	ug/l	95
8) Diethyl Ether	2.19	74	38897	56.706	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50386	50.046	ug/l	99
10) Methyl Iodide	2.51	142	64837	53.136	ug/l	99
11) Tert butyl alcohol	3.07	59	98129	268.385	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51824	52.811	ug/l	97
13) Acrolein	2.29	56	60488	339.531	ug/l	96
14) Allyl chloride	2.72	41	112298	51.238	ug/l	98
15) Acrylonitrile	3.15	53	207293	273.575	ug/l	99
16) Acetone	2.45	43	190096	276.618	ug/l	98
17) Carbon Disulfide	2.57	76	148307	50.668	ug/l	100
18) Methyl Acetate	2.78	43	99903	54.376	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	202260	60.389	ug/l	92
20) Methylene Chloride	2.85	84	60030	53.178	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	58959	56.963	ug/l	85
22) Diisopropyl ether	3.87	45	206002	53.656	ug/l	# 85
23) Vinyl Acetate	3.82	43	781548	237.417	ug/l	100
24) 1,1-Dichloroethane	3.70	63	116042	56.652	ug/l	99
25) 2-Butanone	4.70	43	295847	273.828	ug/l	98
26) 2,2-Dichloropropane	4.58	77	47846	31.843	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	79443	69.511	ug/l	98
28) Bromochloromethane	5.01	49	56089	61.270	ug/l	98
29) Tetrahydrofuran	5.15	42	191175	275.585	ug/l	99
30) Chloroform	5.21	83	109325	55.321	ug/l	86
31) Cyclohexane	5.58	56	89037	50.075	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	87866	53.306	ug/l	99
36) 1,1-Dichloropropene	5.81	75	74563	46.933	ug/l	98
37) Ethyl Acetate	4.85	43	92562	44.305	ug/l	99
38) Carbon Tetrachloride	5.78	117	75817	47.669	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77602	48.194	ug/l	99
40) Benzene	6.15	78	232556	50.212	ug/l	100
41) Methacrylonitrile	5.06	41	58778	52.067	ug/l	98
42) 1,2-Dichloroethane	6.20	62	82778	49.900	ug/l	99
43) Isopropyl Acetate	6.45	43	144111	47.604	ug/l	96
44) Trichloroethene	7.21	130	58049	49.354	ug/l	98
45) 1,2-Dichloropropane	7.52	63	60375	53.708	ug/l	99
46) Dibromomethane	7.66	93	37940	53.785	ug/l	99
47) Bromodichloromethane	7.90	83	74618	55.972	ug/l	99
48) Methyl methacrylate	7.77	41	78233	57.554	ug/l	99
49) 1,4-Dioxane	7.75	88	31443	1073.473	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	522187	273.697	ug/l	99
52) Toluene	8.79	92	135996	52.539	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	76147	48.402	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81599	50.888	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	57147	49.537	ug/l	98
56) Ethyl methacrylate	9.18	69	93789	54.336	ug/l	97
57) 1,3-Dichloropropane	9.37	76	96489	49.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	297	8.584	ug/l #	48
59) 2-Hexanone	9.49	43	411350	244.600	ug/l	98
60) Dibromochloromethane	9.59	129	60818	48.781	ug/l	100
61) 1,2-Dibromoethane	9.67	107	59897	46.955	ug/l	99
64) Tetrachloroethene	9.34	164	51403	40.158	ug/l	98
65) Chlorobenzene	10.14	112	154156	51.183	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	57710	55.114	ug/l	99
67) Ethyl Benzene	10.25	91	264441	54.754	ug/l	99
68) m/p-Xylenes	10.36	106	203577	110.508	ug/l	100
69) o-Xylene	10.70	106	98061	59.363	ug/l	99
70) Styrene	10.71	104	164108	60.223	ug/l	100
71) Bromoform	10.86	173	50279	57.280	ug/l #	99
73) Isopropylbenzene	11.02	105	268071	57.153	ug/l	100
74) N-amyl acetate	10.90	43	117510	44.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	96752	56.199	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	107706	65.215	ug/l	85
77) Bromobenzene	11.26	156	70955	53.671	ug/l	99
78) n-propylbenzene	11.36	91	305656	55.294	ug/l	99
79) 2-Chlorotoluene	11.42	91	184807	55.311	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	226079	56.720	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23457	45.267	ug/l	95
82) 4-Chlorotoluene	11.51	91	216326	54.937	ug/l	100
83) tert-Butylbenzene	11.77	119	230657	57.201	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	233018	52.980	ug/l	99
85) sec-Butylbenzene	11.94	105	266365	54.018	ug/l	100
86) p-Isopropyltoluene	12.07	119	237683	54.417	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129002	50.844	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	131017	50.443	ug/l	99
89) n-Butylbenzene	12.39	91	203021	50.152	ug/l	100
90) Hexachloroethane	12.60	117	41506	56.917	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	131991	51.930	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23577	56.120	ug/l	96

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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	96922	54.168	ug/l	100
94) Hexachlorobutadiene	13.78	225	42792	45.528	ug/l	98
95) Naphthalene	13.83	128	316328	54.110	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	100327	55.037	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

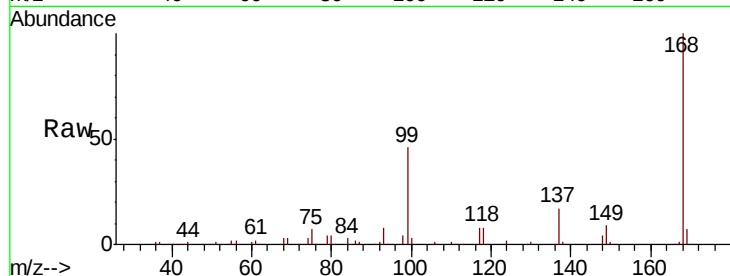
S36-0144MSD

Tot Ion:168 Resp: 111022

Ion Ratio Lower Upper

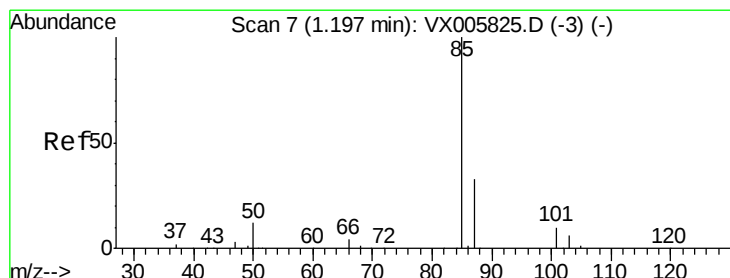
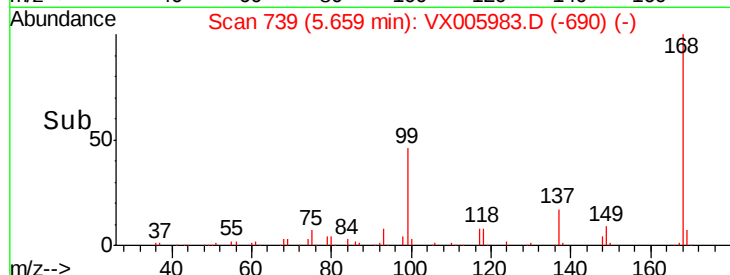
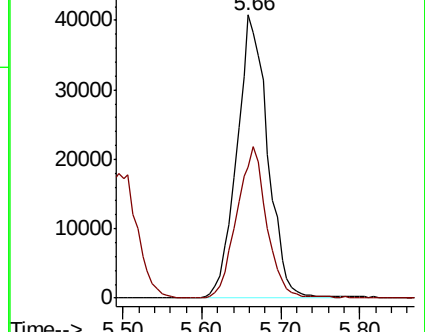
168 100

99 46.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.156 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005983.D

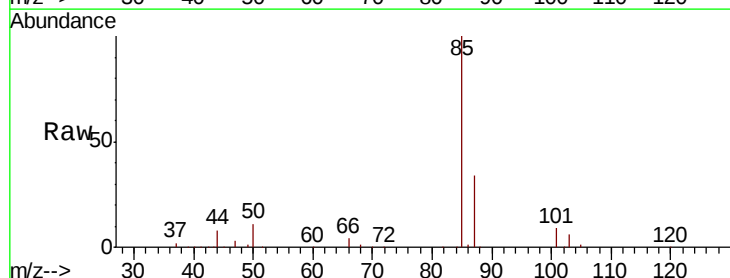
Acq: 14 Nov 2018 19:15

Tgt Ion: 85 Resp: 48204

Ion Ratio Lower Upper

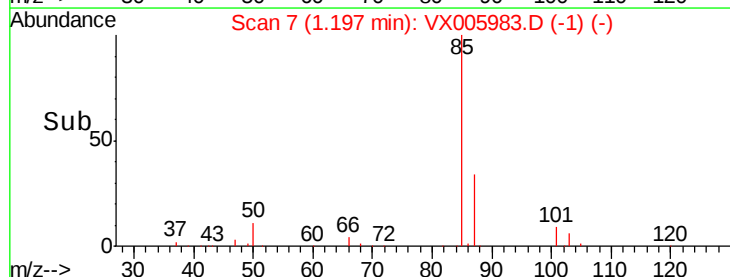
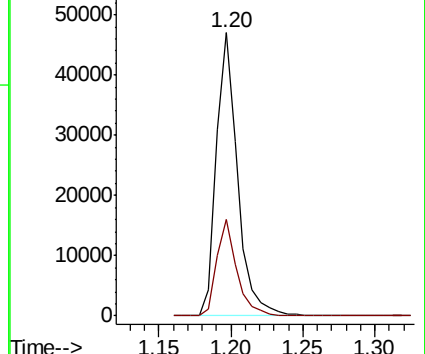
85 100

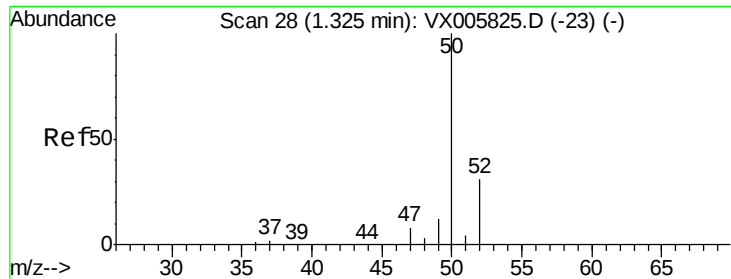
87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.866 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

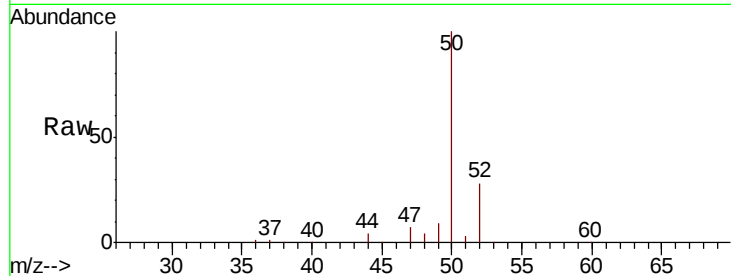
S36-0144MSD

Tot Ion: 50 Resp: 69449

Ion Ratio Lower Upper

50 100

52 28.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

80000

60000

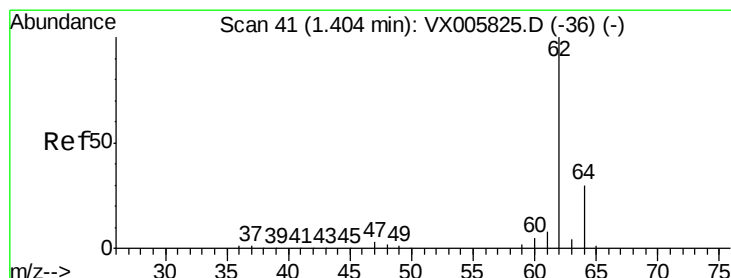
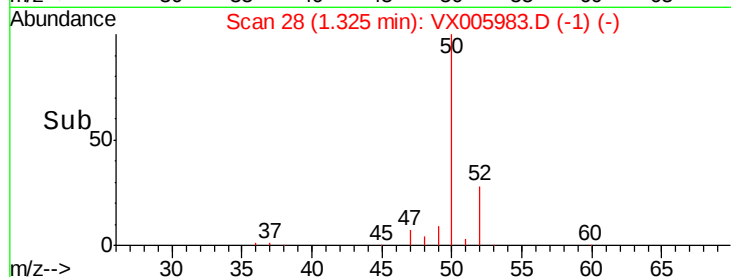
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 57.355 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005983.D

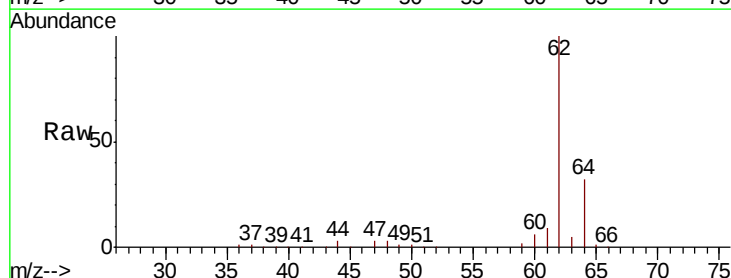
Acq: 14 Nov 2018 19:15

Tgt Ion: 62 Resp: 75640

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

80000

60000

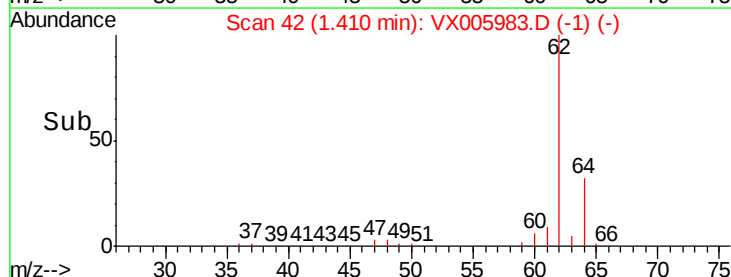
40000

20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 45.825 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

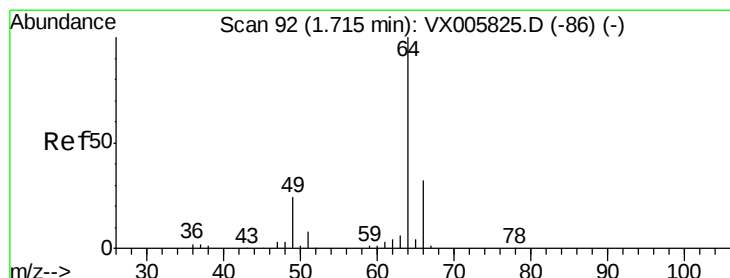
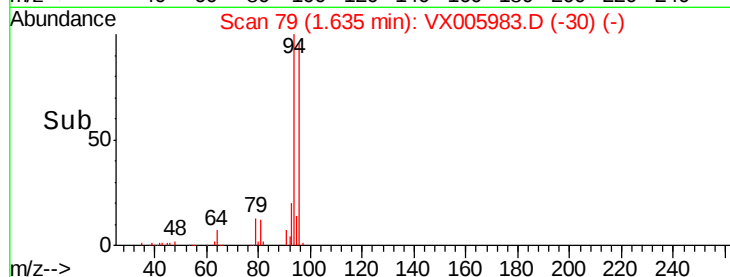
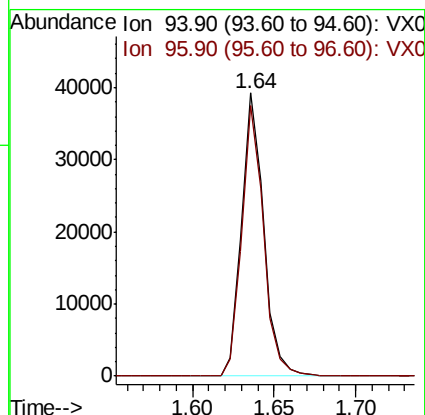
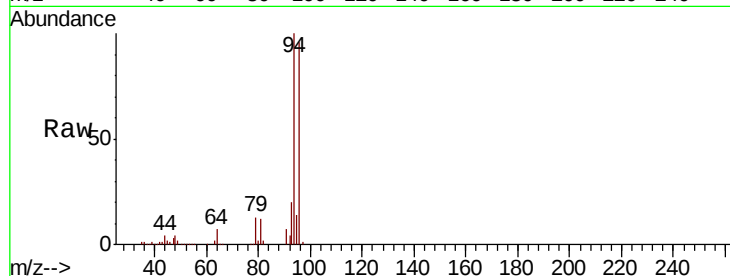
S36-0144MSD

Tot Ion: 94 Resp: 36983

Ion Ratio Lower Upper

94 100

96 95.7 75.2 112.8



#6

Chloroethane

Concen: 53.797 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005983.D

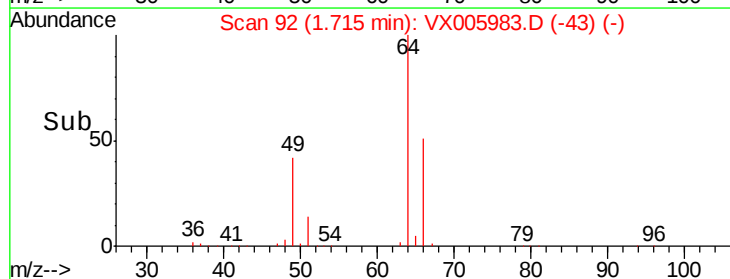
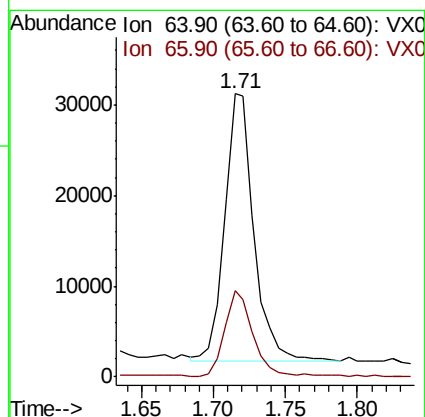
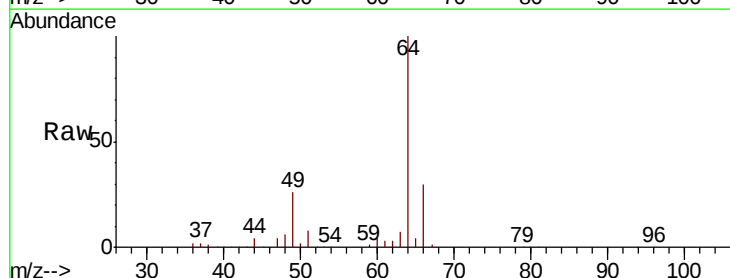
Acq: 14 Nov 2018 19:15

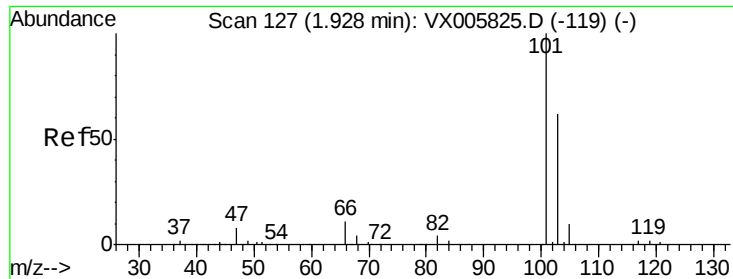
Tgt Ion: 64 Resp: 42332

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.6



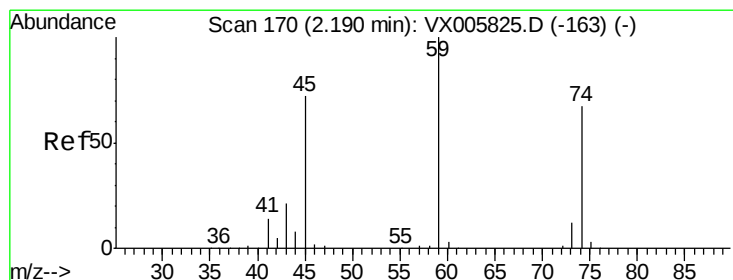
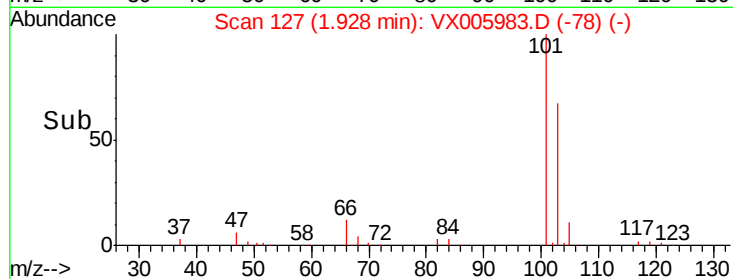
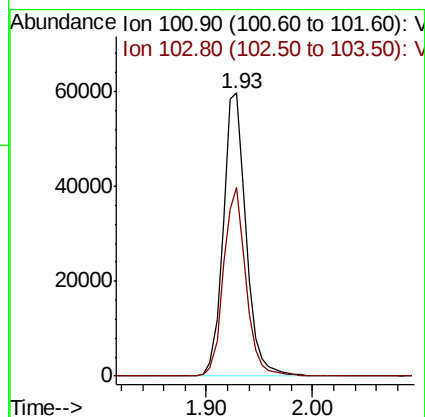
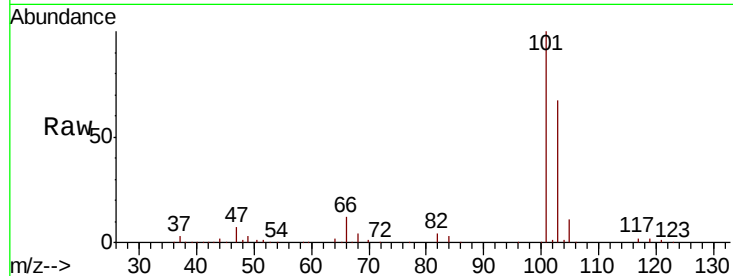


#7

Trichlorofluoromethane
 Concen: 50.989 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005983.D
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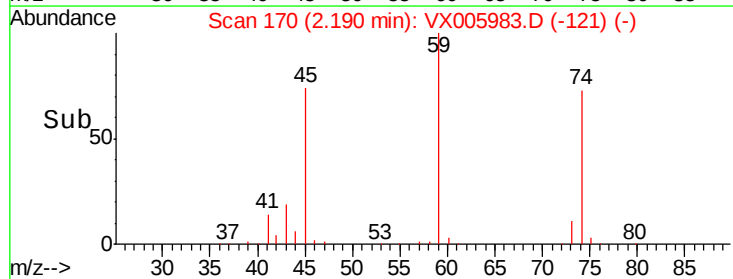
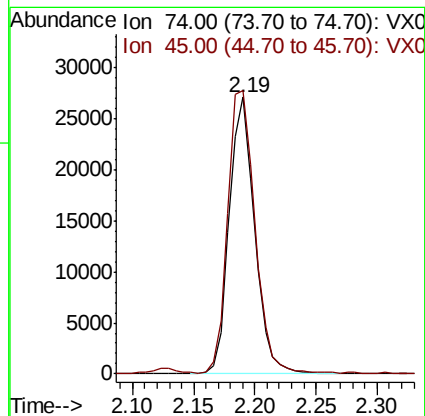
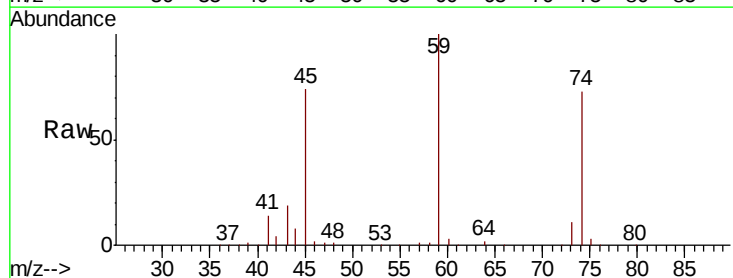
Tot Ion:101 Resp: 89258
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.0 75.0

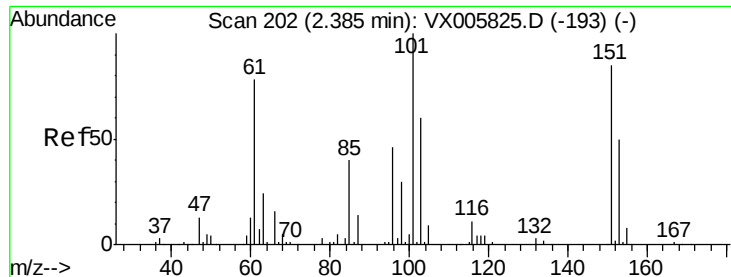


#8

Diethyl Ether
 Concen: 56.706 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 74 Resp: 38897
 Ion Ratio Lower Upper
 74 100
 45 108.7 54.1 162.3

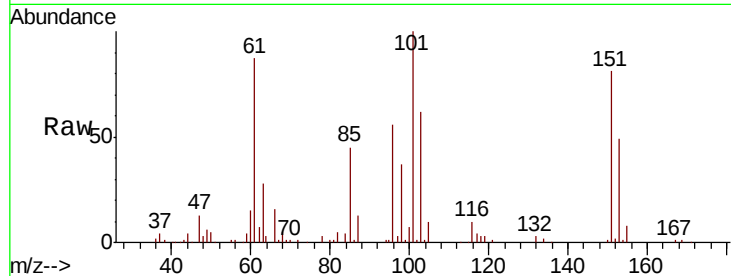




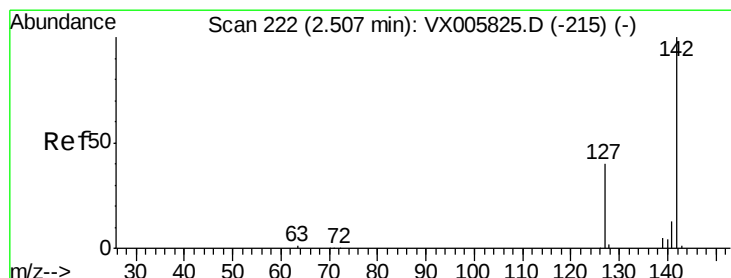
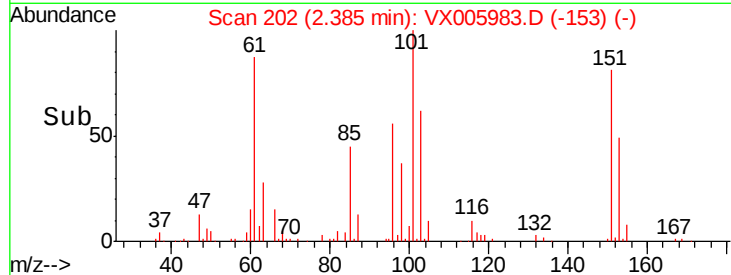
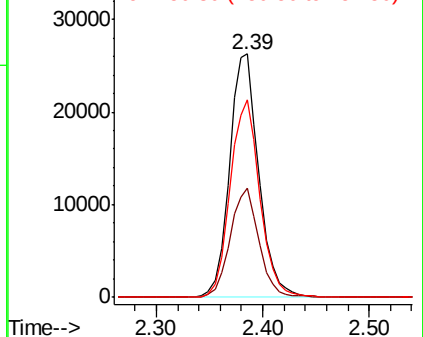
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.046 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.0	52.4
151	82.3	66.2	99.2

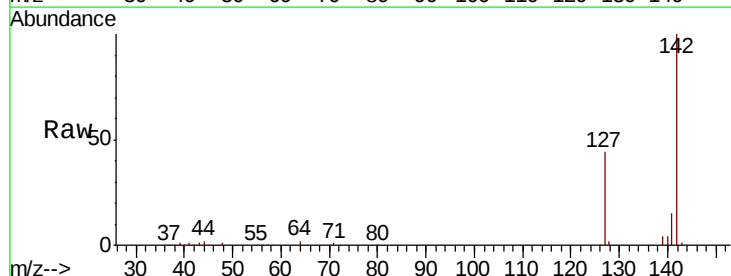


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

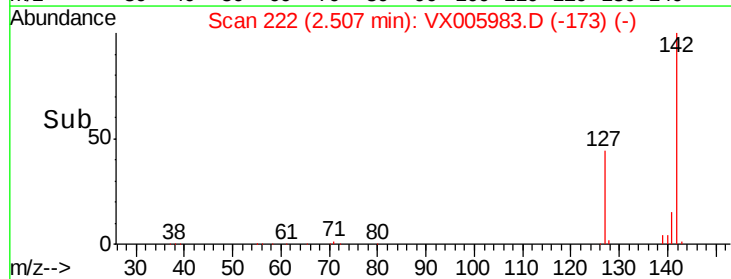
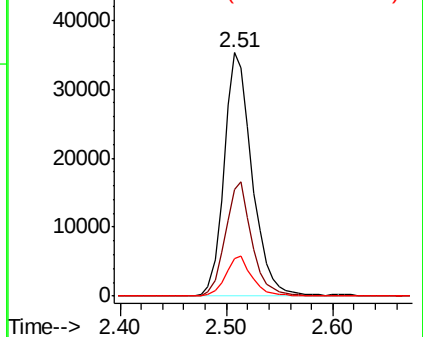


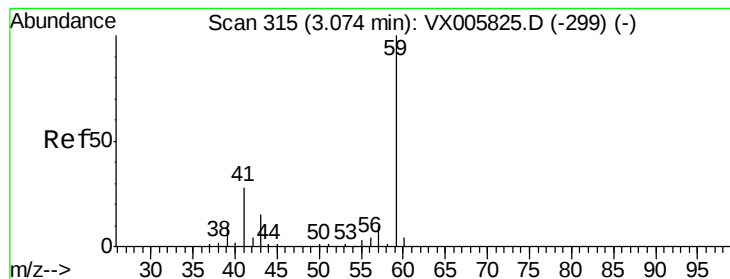
#10
 Methyl Iodide
 Concen: 53.136 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.6	36.0	54.0
141	15.2	11.7	17.5



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



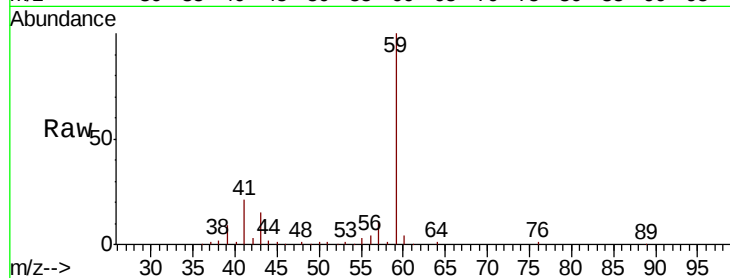


#11

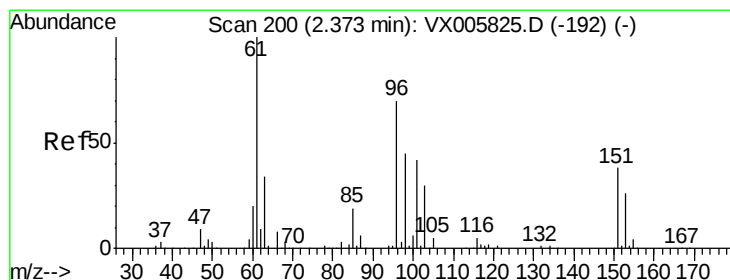
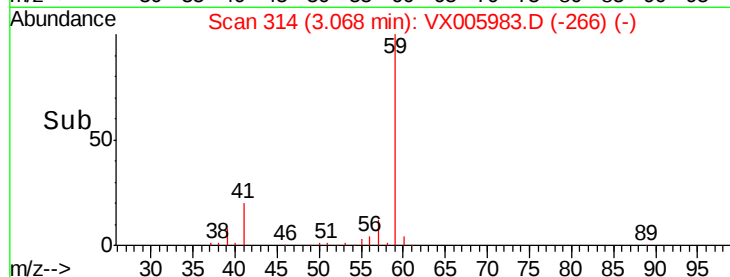
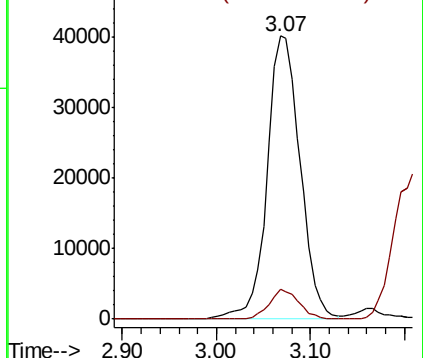
Tert butyl alcohol
 Concen: 268.385 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tot Ion: 59 Resp: 98129
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.5 12.7



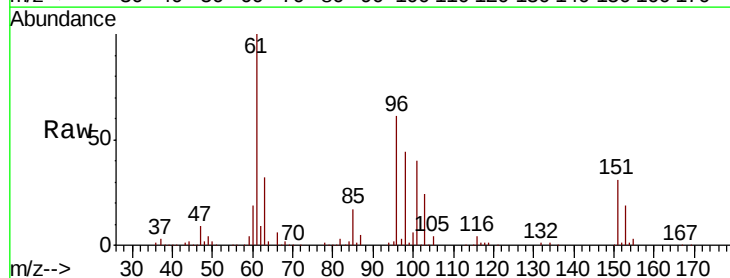
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



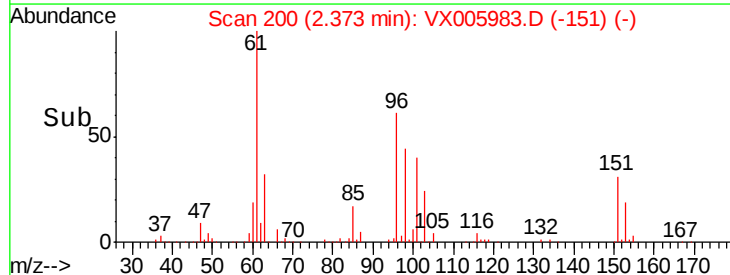
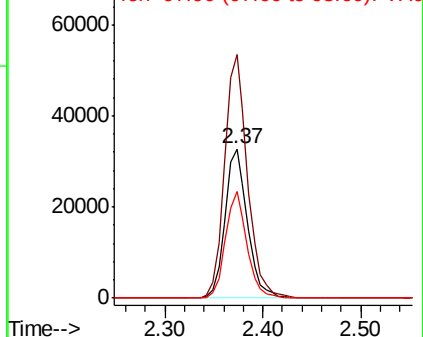
#12

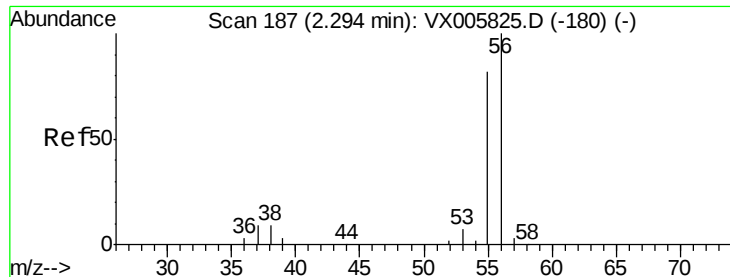
1,1-Dichloroethene
 Concen: 52.811 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 96 Resp: 51824
 Ion Ratio Lower Upper
 96 100
 61 163.0 131.8 197.8
 98 71.5 53.4 80.2



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

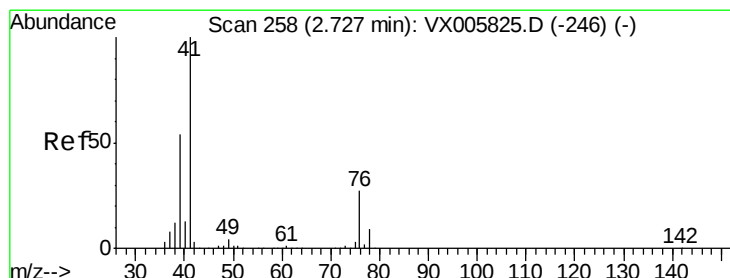
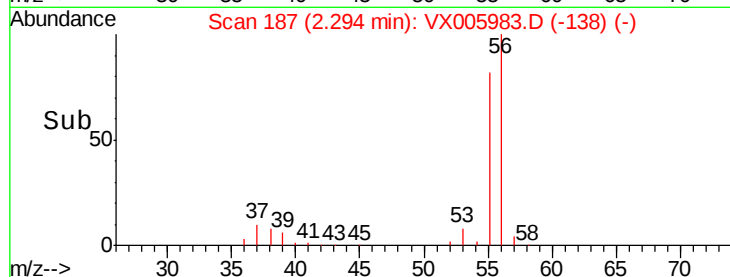
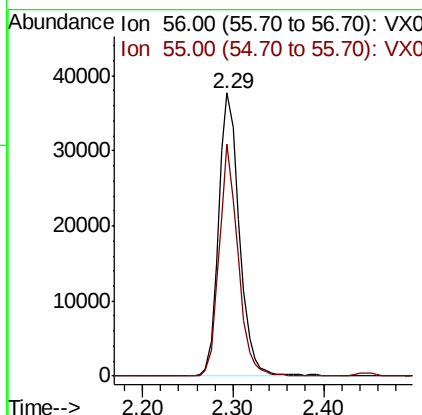
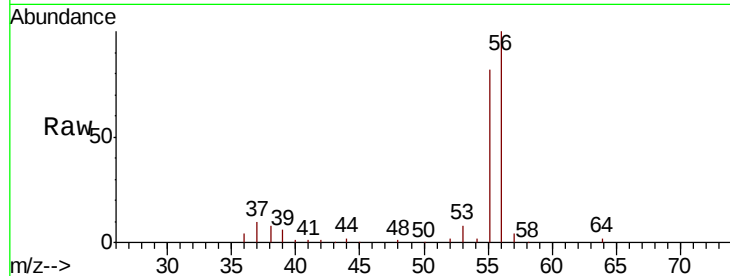




#13
Acrolein
Concen: 339.531 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

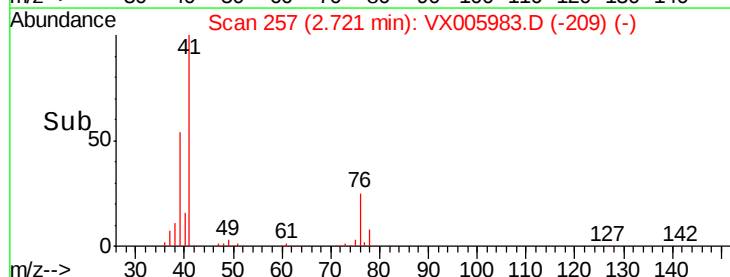
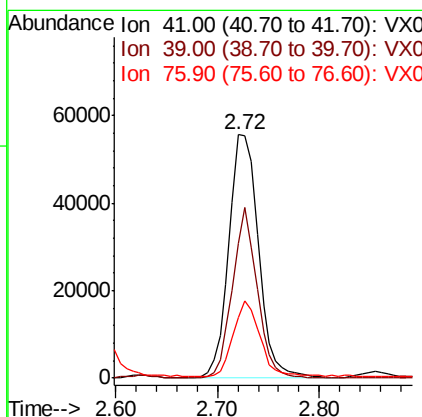
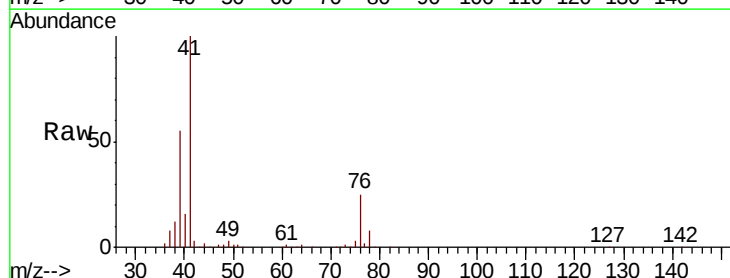
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

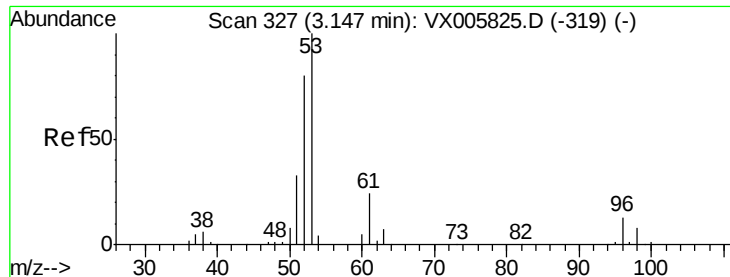
Tot Ion: 56 Resp: 60488
Ion Ratio Lower Upper
56 100
55 74.7 57.3 85.9



#14
Allyl chloride
Concen: 51.238 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 41 Resp: 112298
Ion Ratio Lower Upper
41 100
39 57.9 48.2 72.4
76 27.5 21.9 32.9





#15

Acrylonitrile

Concen: 273.575 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

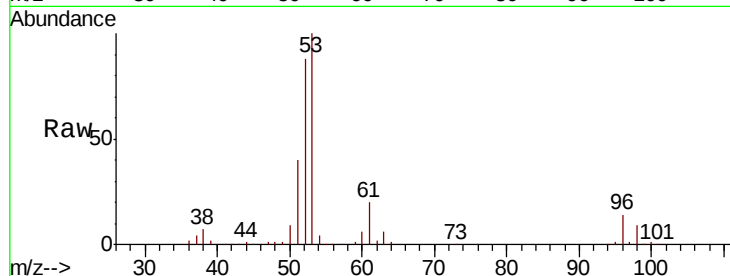
Tot Ion: 53 Resp: 207293

Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

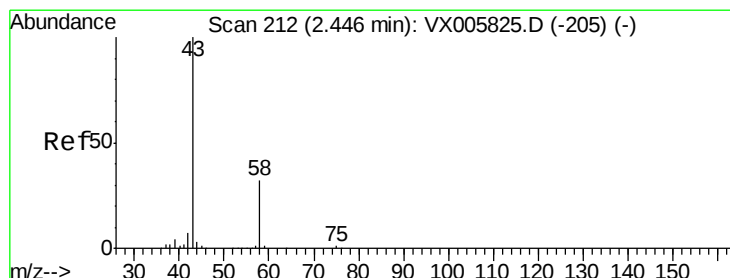
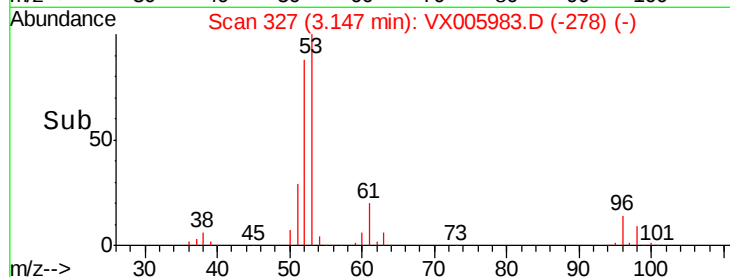
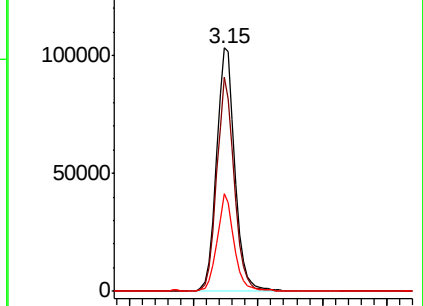
51 37.6 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 276.618 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005983.D

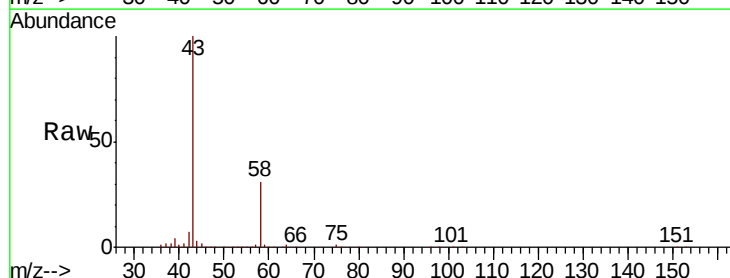
Acq: 14 Nov 2018 19:15

Tgt Ion: 43 Resp: 190096

Ion Ratio Lower Upper

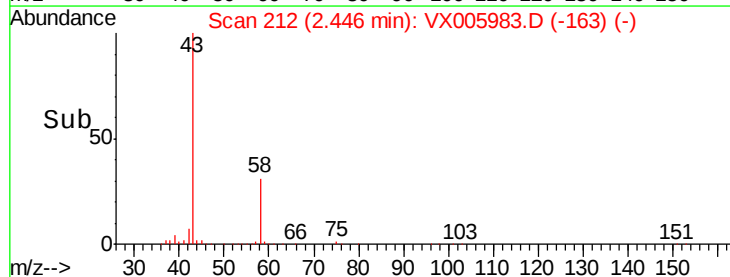
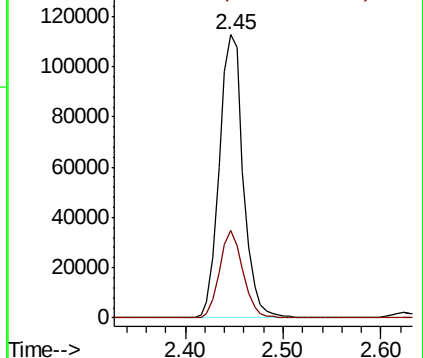
43 100

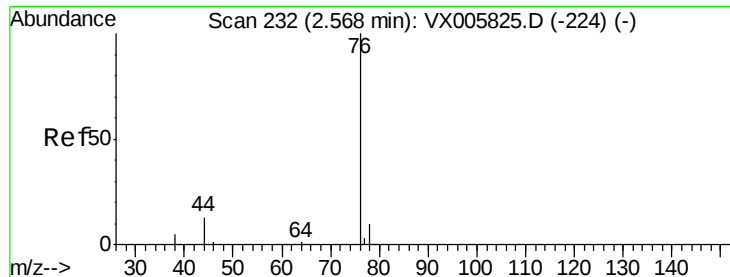
58 31.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

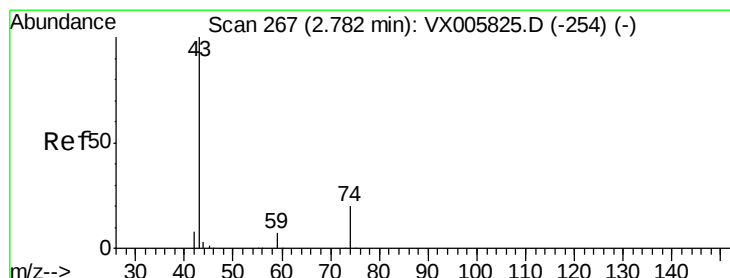
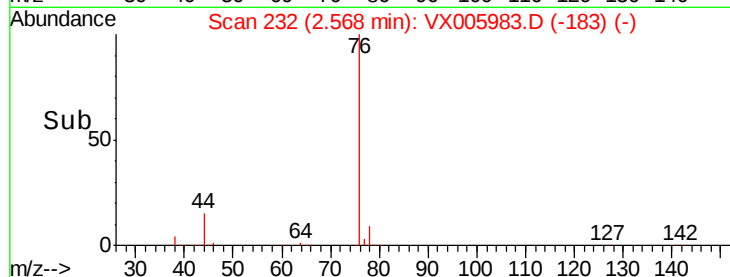
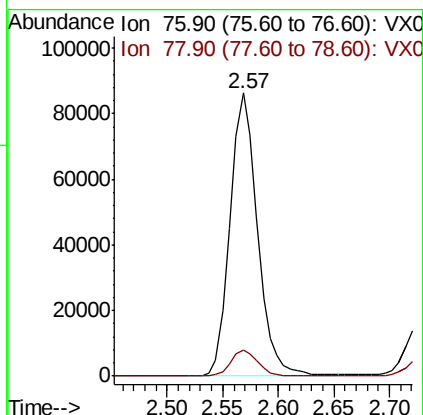
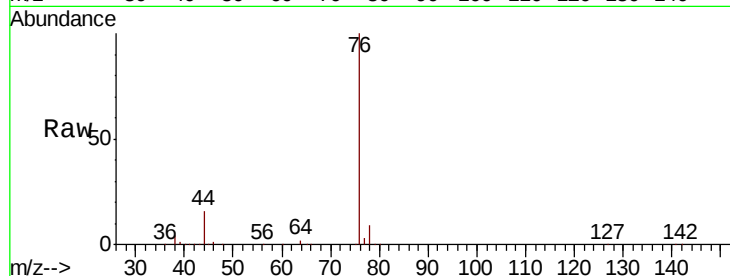




#17
Carbon Disulfide
Concen: 50.668 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

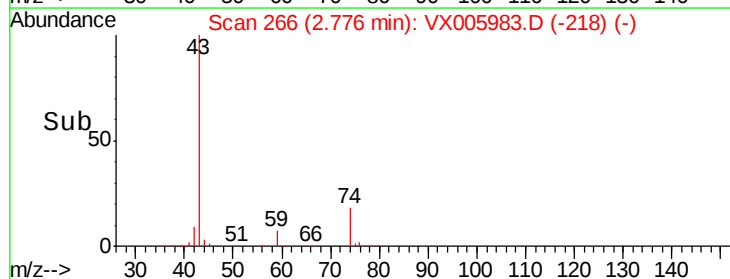
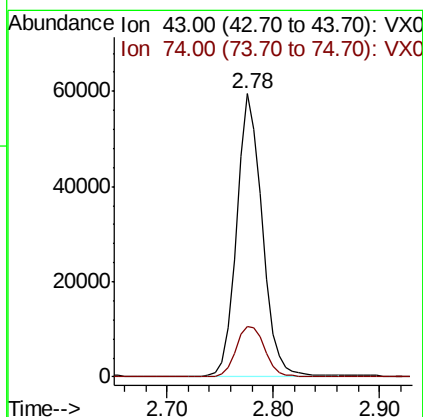
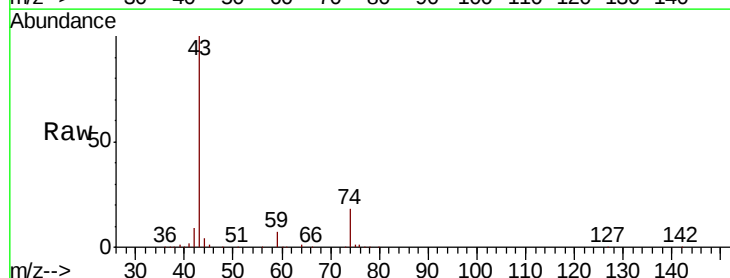
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

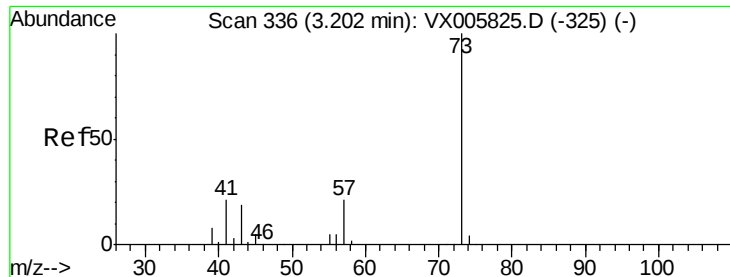
Tot Ion: 76 Resp: 148307
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 54.376 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 43 Resp: 99903
Ion Ratio Lower Upper
43 100
74 20.5 16.8 25.2

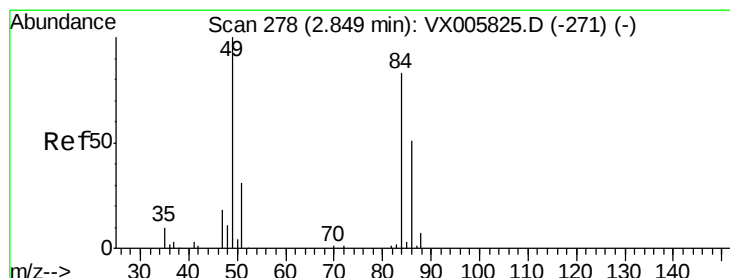
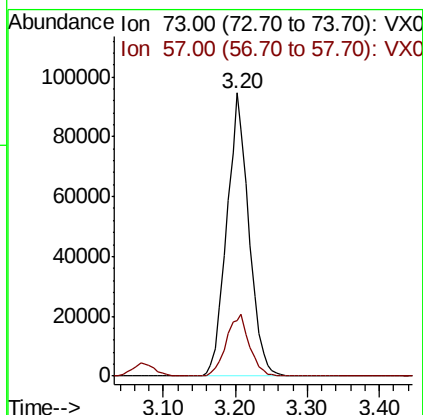
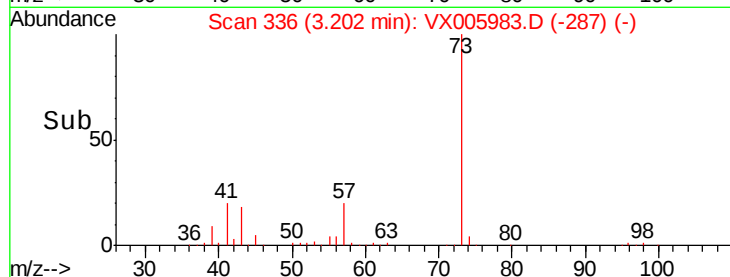
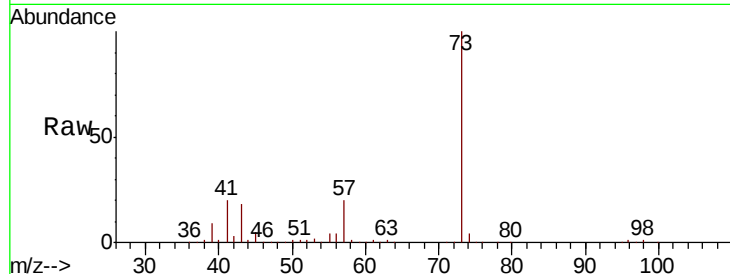




#19
Methvl tert-butvl Ether
Concen: 60.389 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

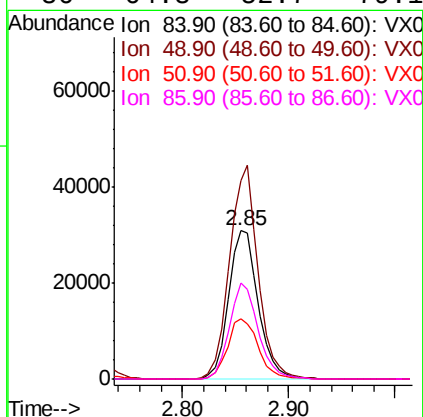
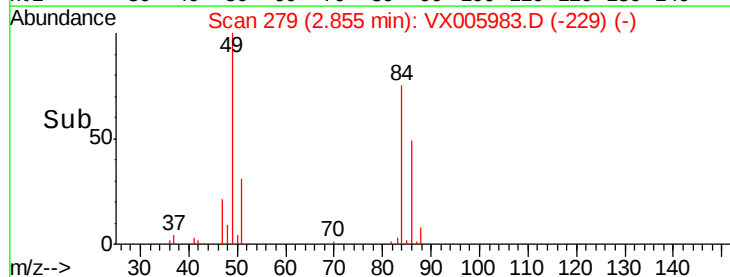
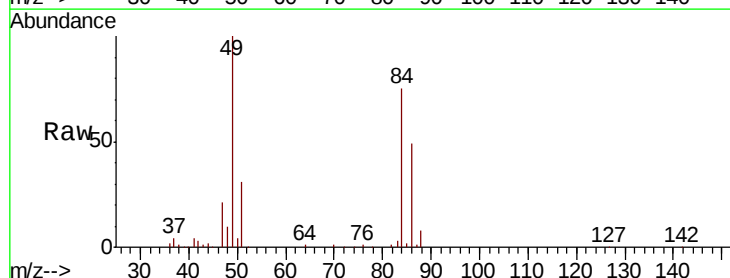
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

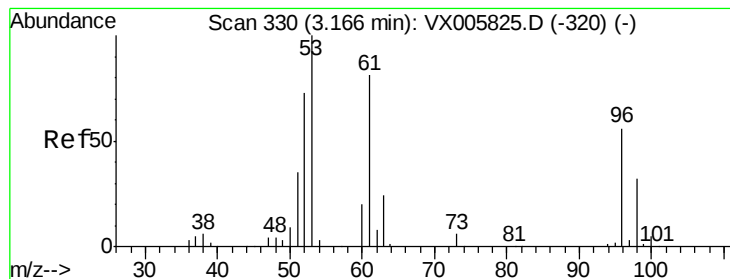
Tot Ion: 73 Resp: 202260
Ion Ratio Lower Upper
73 100
57 19.7 18.8 28.2



#20
Methylene Chloride
Concen: 53.178 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 84 Resp: 60030
Ion Ratio Lower Upper
84 100
49 133.5 109.5 164.3
51 40.8 33.3 49.9
86 64.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 56.963 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampled :

S36-0144MSD

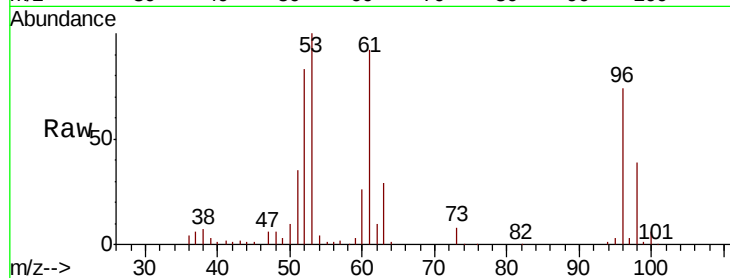
Tot Ion: 96 Resp: 58959

Ion Ratio Lower Upper

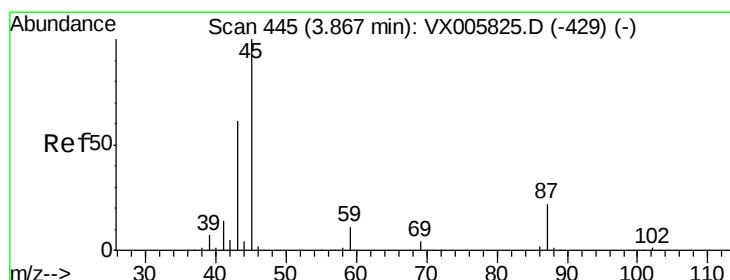
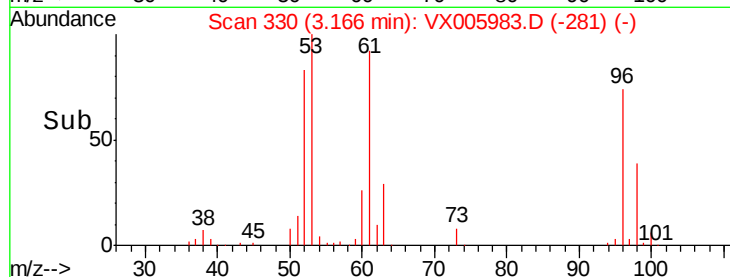
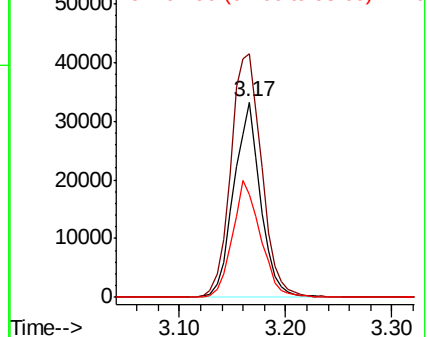
96 100

61 124.5 115.6 173.4

98 52.5 50.2 75.2



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: 53.656 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion: 45 Resp: 206002

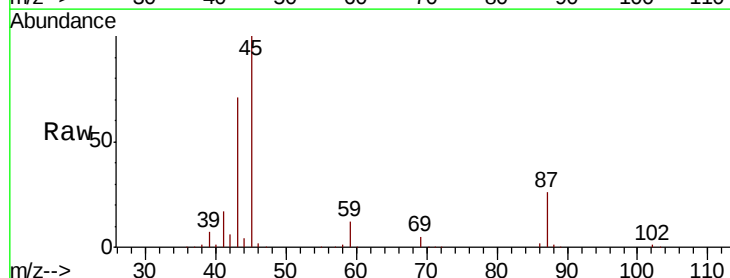
Ion Ratio Lower Upper

45 100

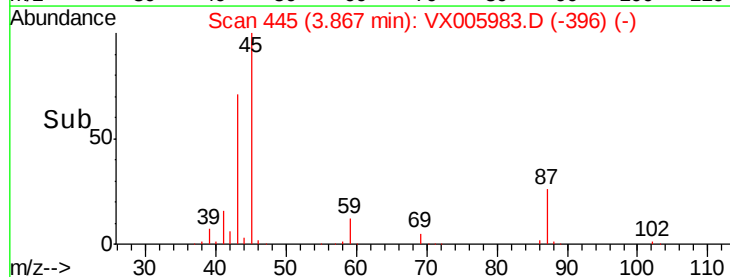
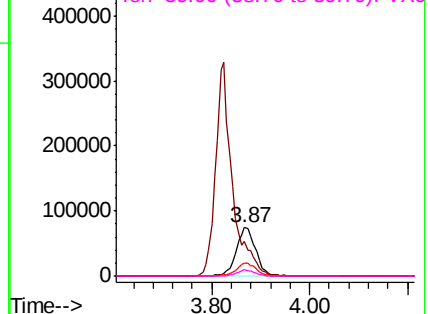
43 71.3 47.4 71.2#

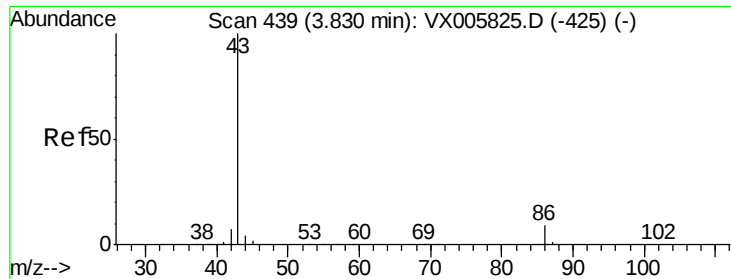
87 26.3 15.9 23.9#

59 12.1 7.7 11.5#



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 237.417 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

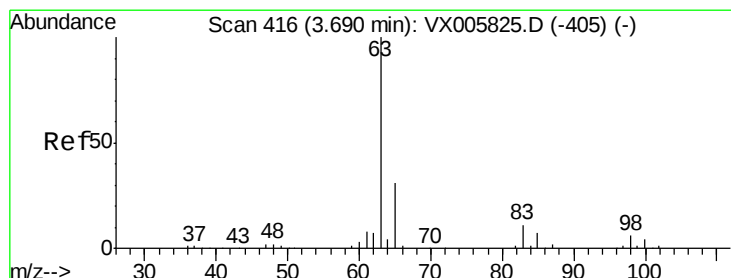
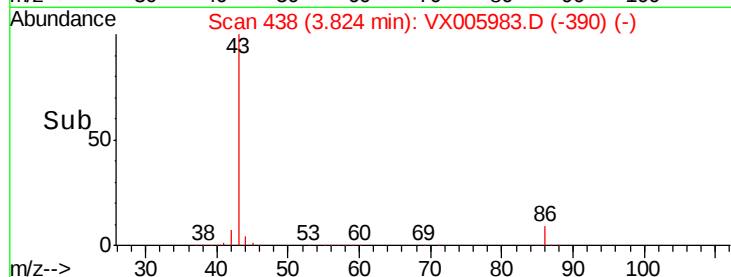
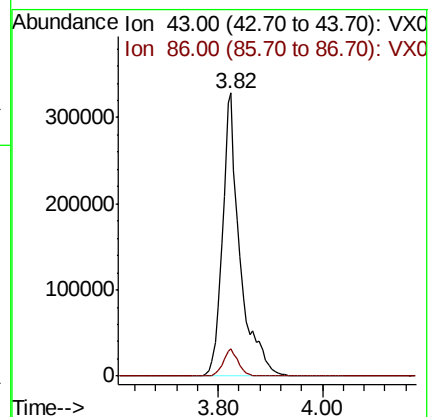
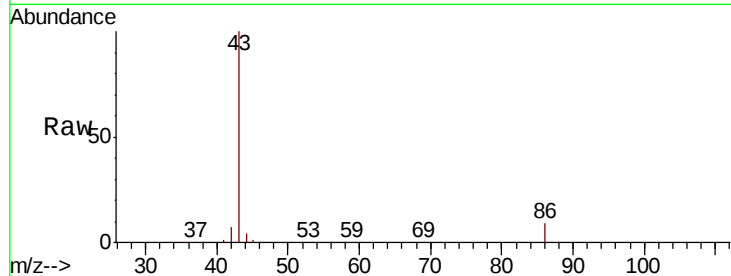
S36-0144MSD

Tot Ion: 43 Resp: 781548

Ion Ratio Lower Upper

43 100

86 9.5 7.4 11.2



#24

1,1-Dichloroethane

Concen: 56.652 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

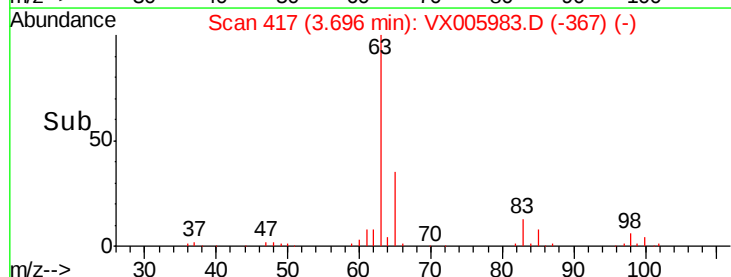
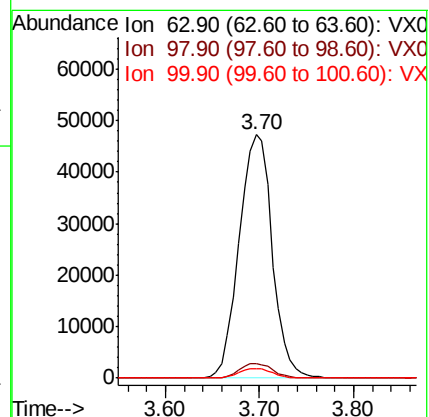
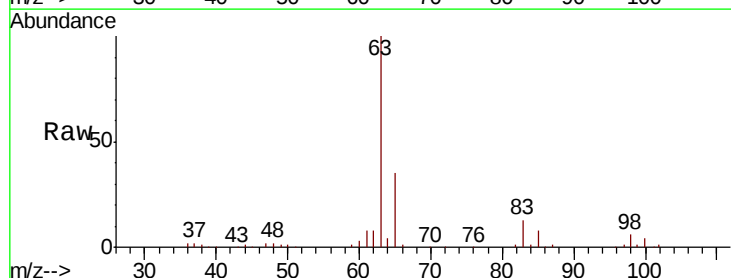
Tgt Ion: 63 Resp: 116042

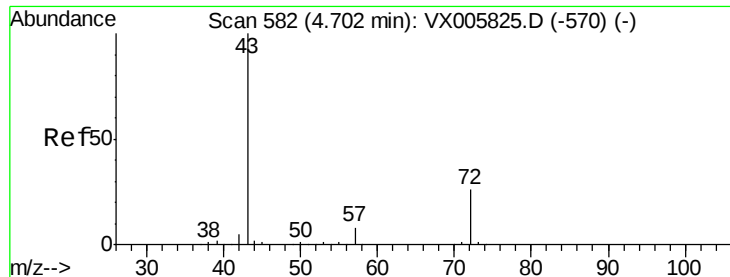
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 273.828 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampled :

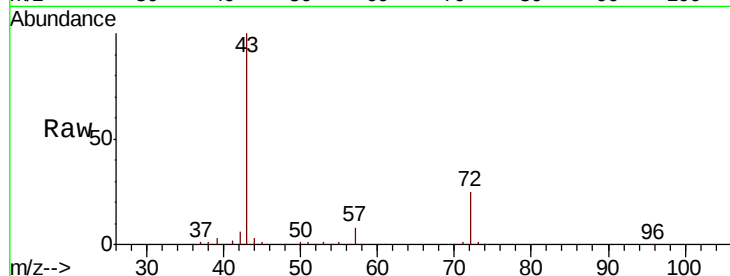
S36-0144MSD

Tot Ion: 43 Resp: 295847

Ion Ratio Lower Upper

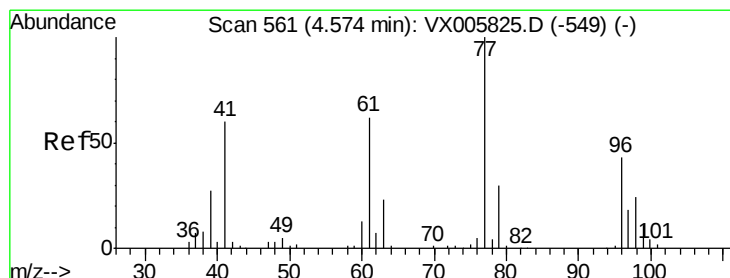
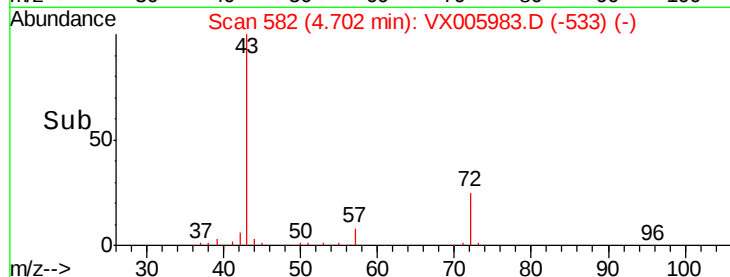
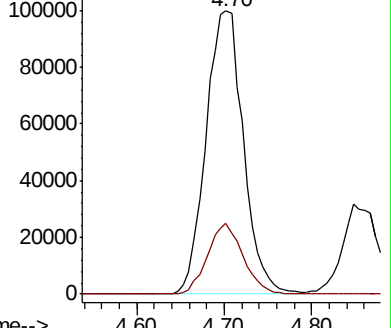
43 100

72 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 31.843 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005983.D

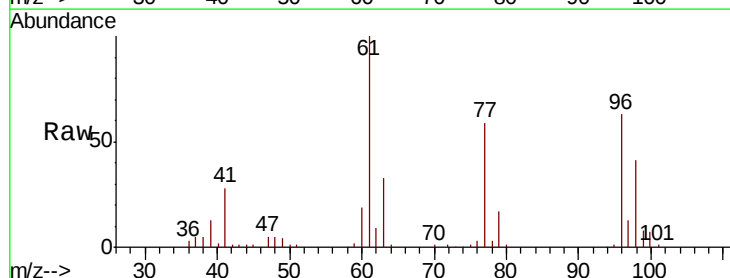
Acq: 14 Nov 2018 19:15

Tgt Ion: 77 Resp: 47846

Ion Ratio Lower Upper

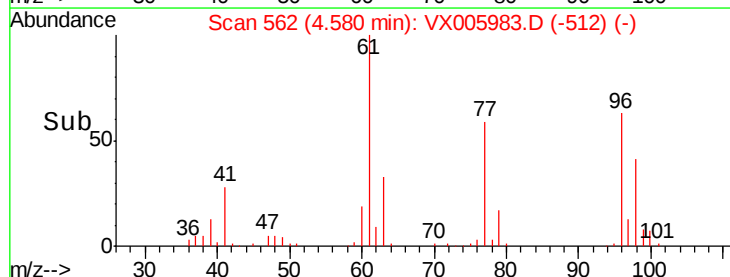
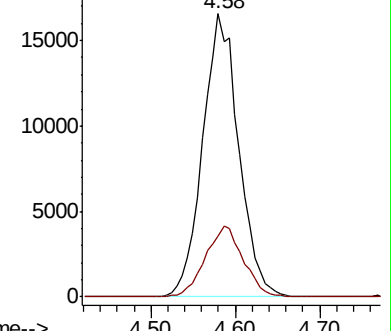
77 100

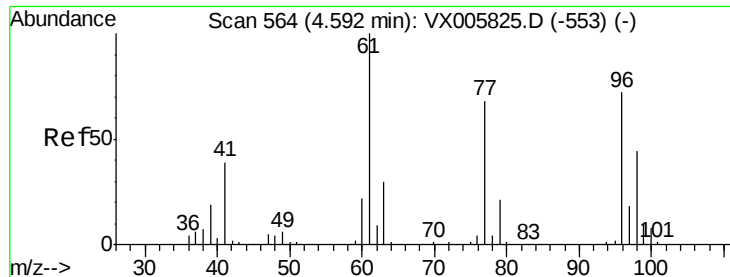
97 26.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



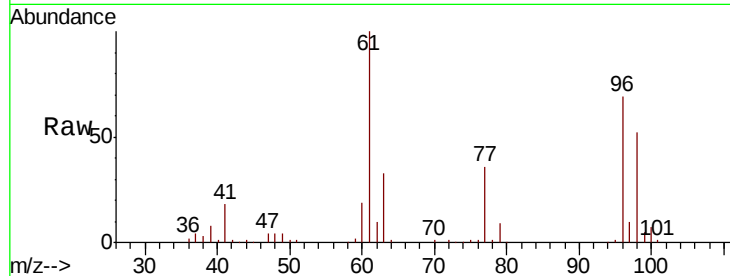


#27

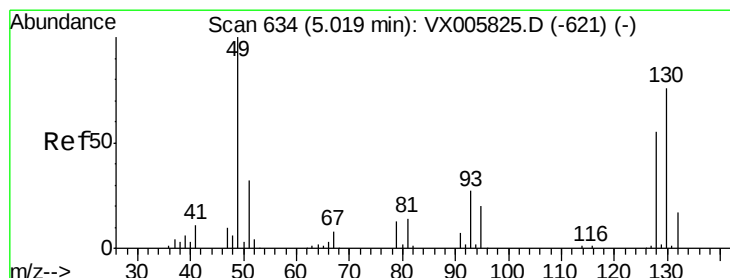
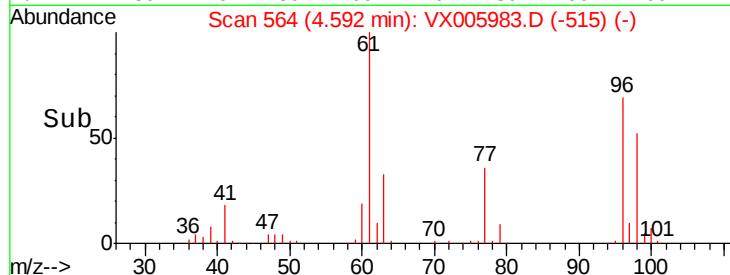
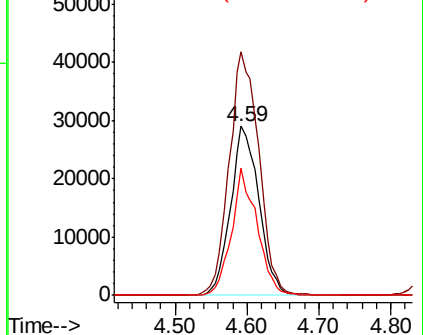
cis-1,2-Dichloroethene
Concen: 69.511 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tot Ion: 96 Resp: 79443
Ion Ratio Lower Upper
96 100
61 151.5 0.0 304.6
98 67.6 0.0 127.4



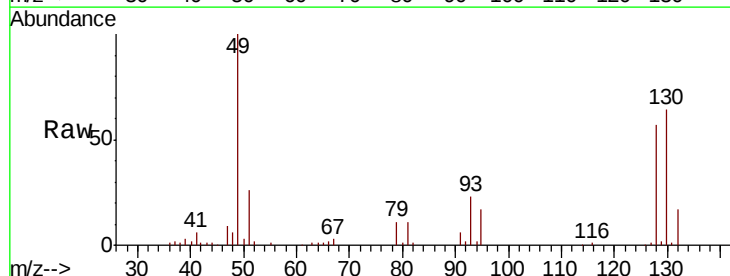
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



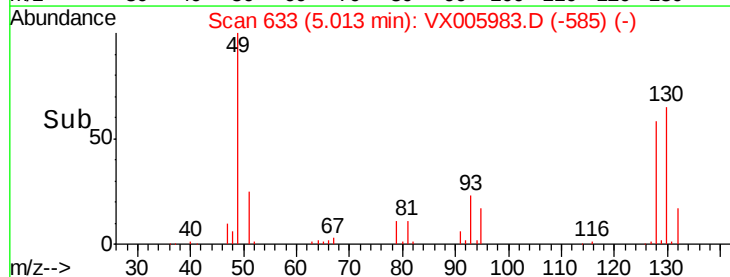
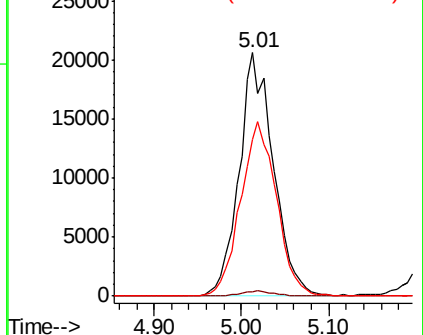
#28

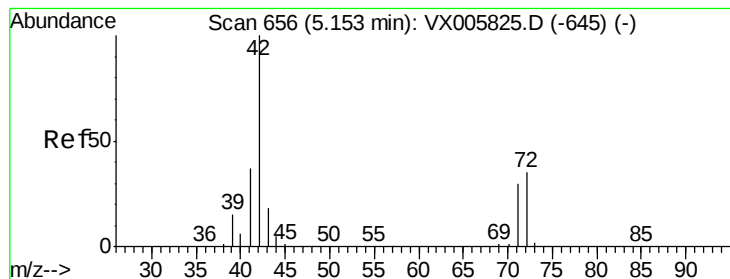
Bromochloromethane
Concen: 61.270 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 49 Resp: 56089
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 74.9 58.9 88.3



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: 275.585 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

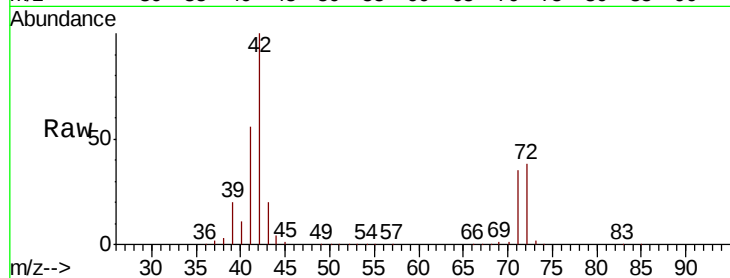
Tot Ion: 42 Resp: 191175

Ion Ratio Lower Upper

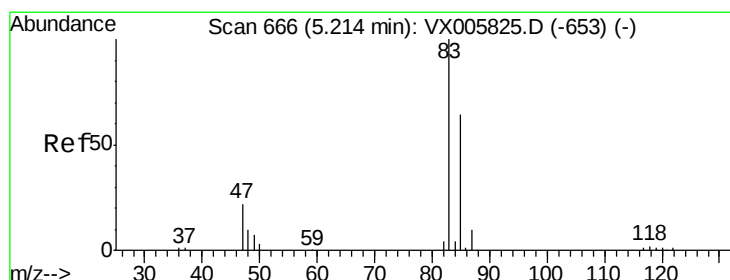
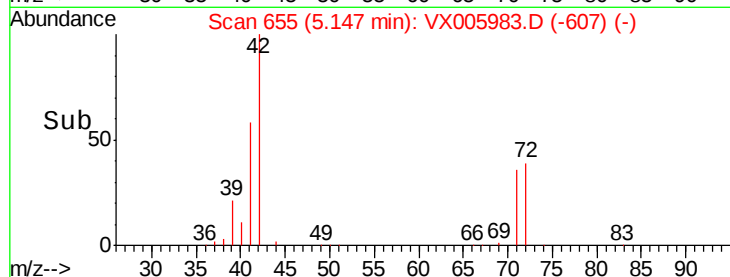
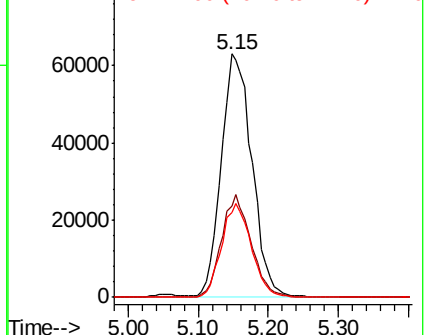
42 100

72 40.9 32.0 48.0

71 37.6 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 55.321 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005983.D

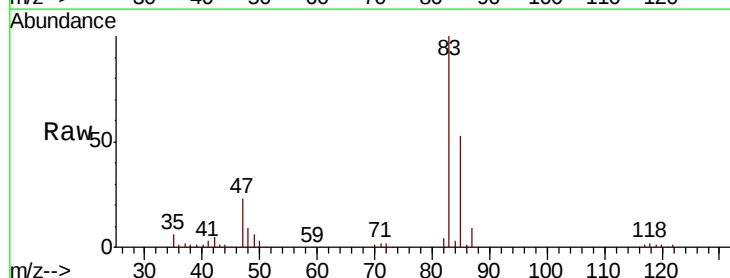
Acq: 14 Nov 2018 19:15

Tgt Ion: 83 Resp: 109325

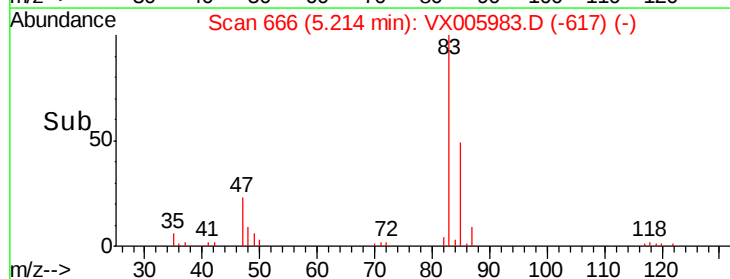
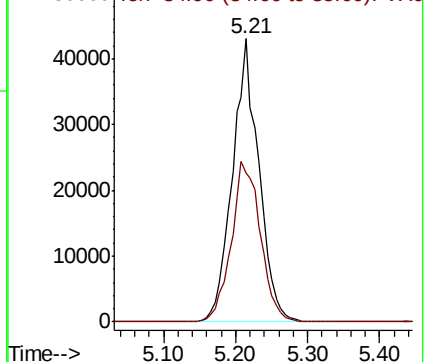
Ion Ratio Lower Upper

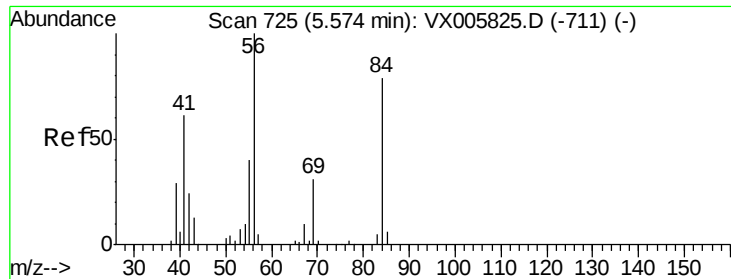
83 100

85 52.7 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.075 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

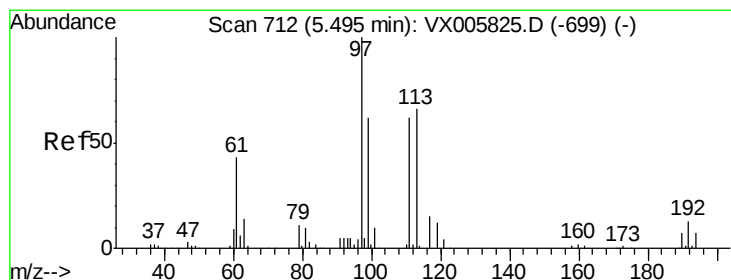
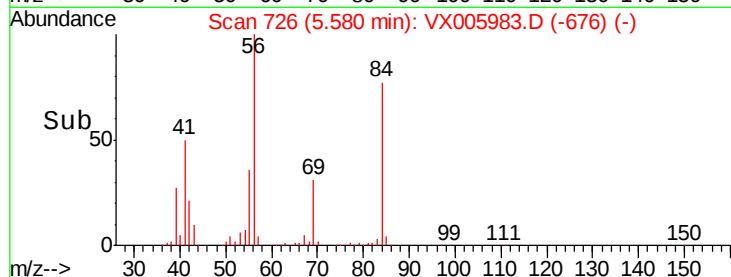
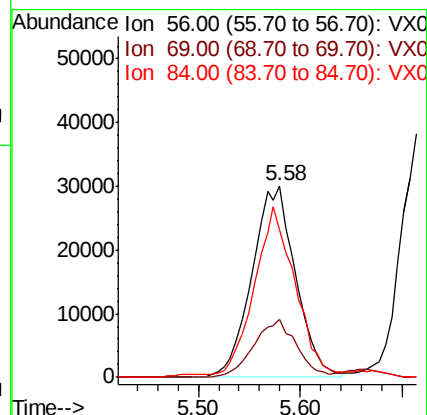
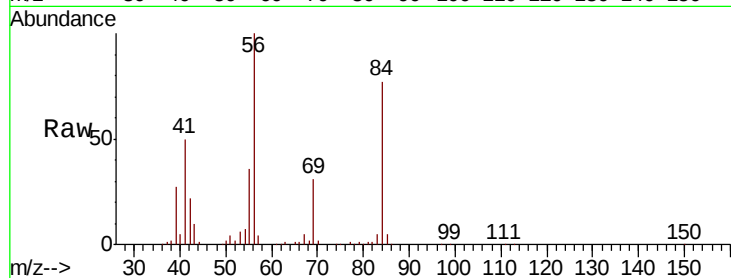
Tot Ion: 56 Resp: 89037

Ion Ratio Lower Upper

56 100

69 30.6 22.6 34.0

84 76.0 62.7 94.1



#32

1,1,1-Trichloroethane

Concen: 53.306 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

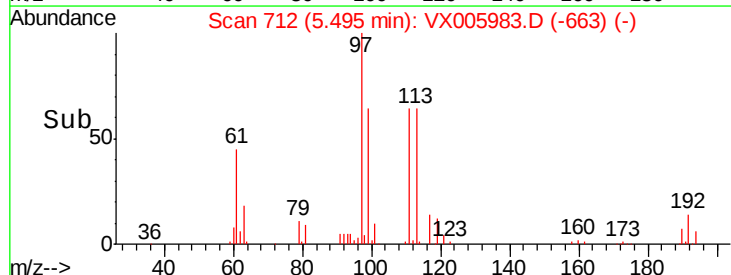
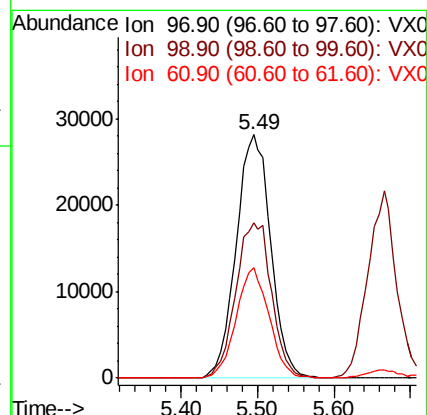
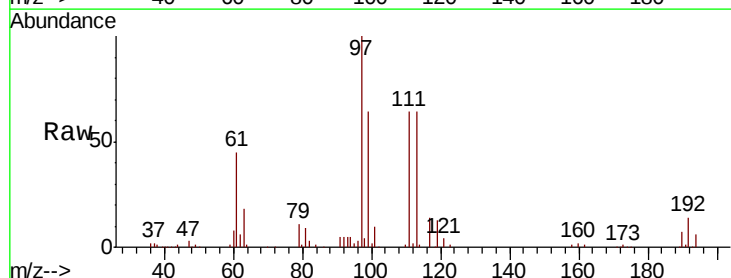
Tgt Ion: 97 Resp: 87866

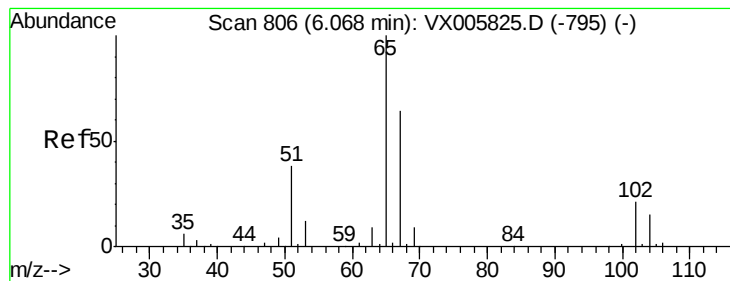
Ion Ratio Lower Upper

97 100

99 66.1 52.3 78.5

61 43.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 53.396 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

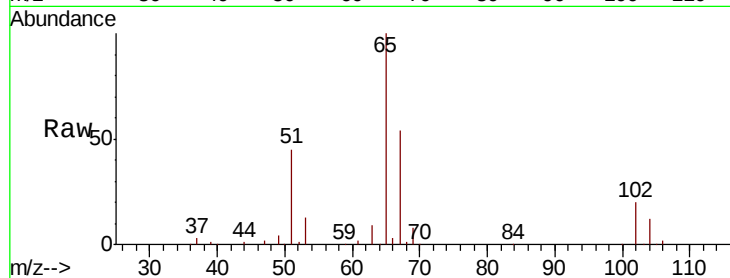
S36-0144MSD

Tot Ion: 65 Resp: 68151

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

25000

20000

15000

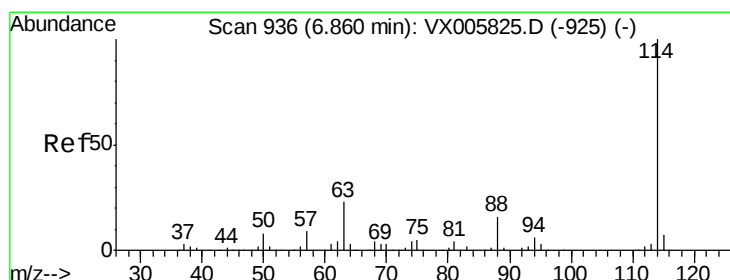
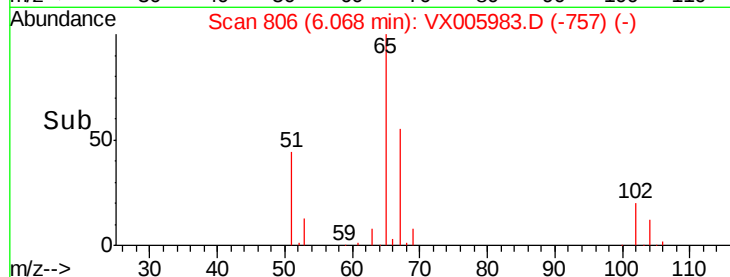
10000

5000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

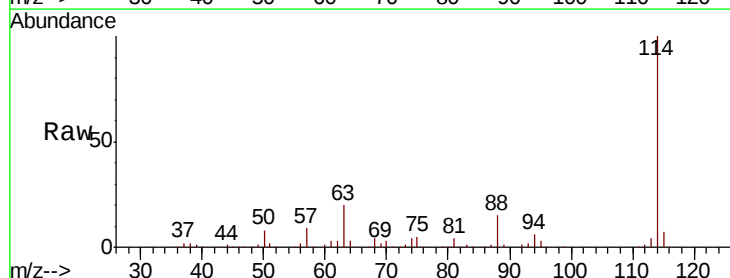
Tgt Ion: 114 Resp: 164800

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

88 15.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

80000

60000

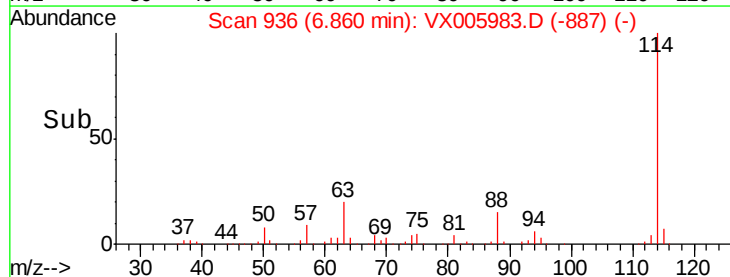
40000

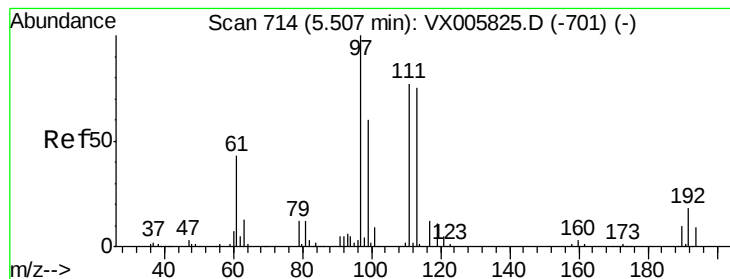
20000

0

Time-->

6.80 7.00





#35

Dibromofluoromethane

Concen: 49.649 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

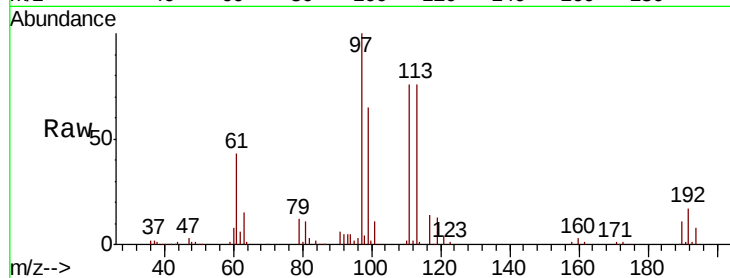
Tot Ion:113 Resp: 55651

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

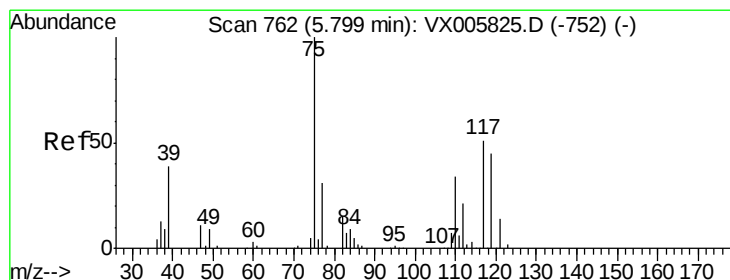
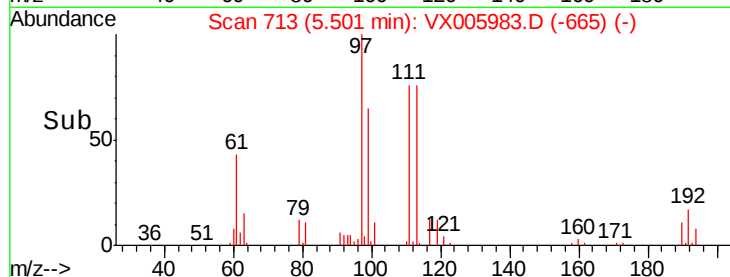
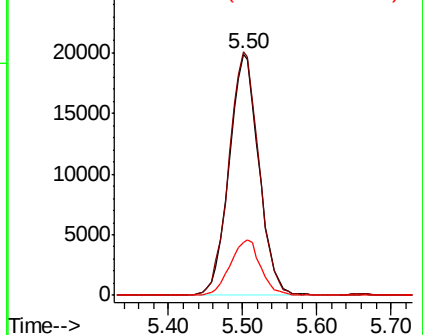
192 23.1 17.9 26.9



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: 46.933 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

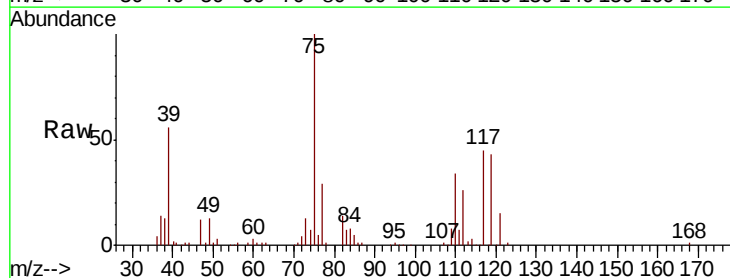
Tgt Ion: 75 Resp: 74563

Ion Ratio Lower Upper

75 100

110 36.2 17.4 52.2

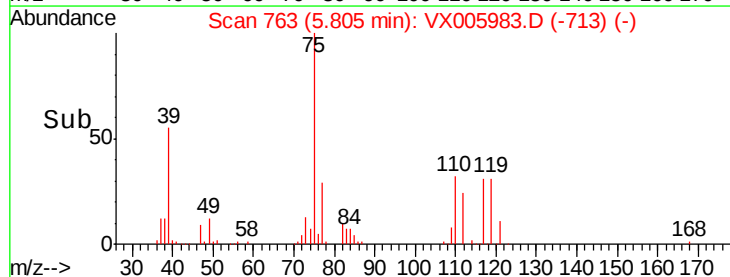
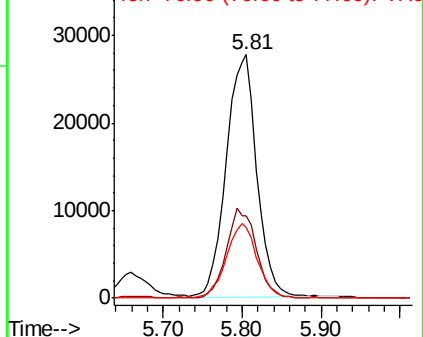
77 31.2 25.8 38.6

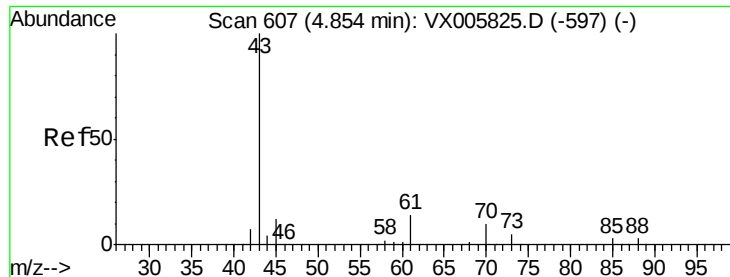


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

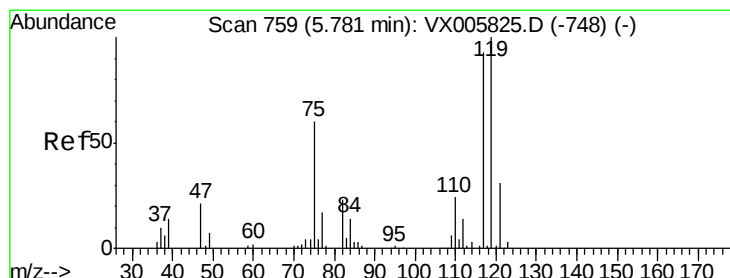
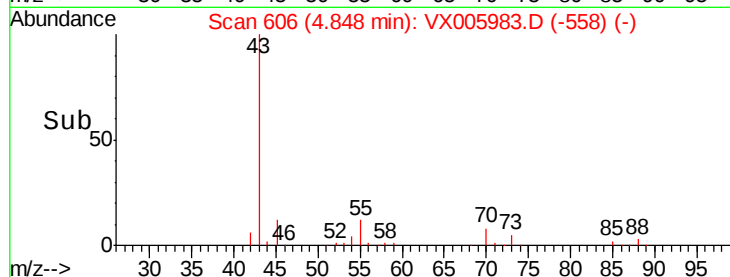
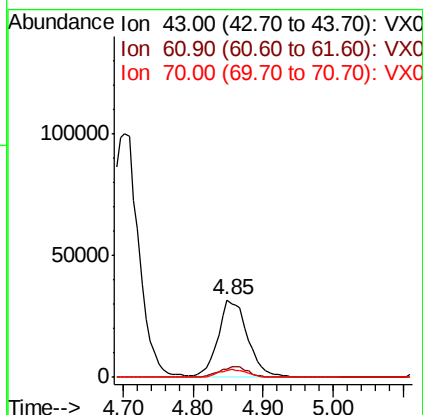
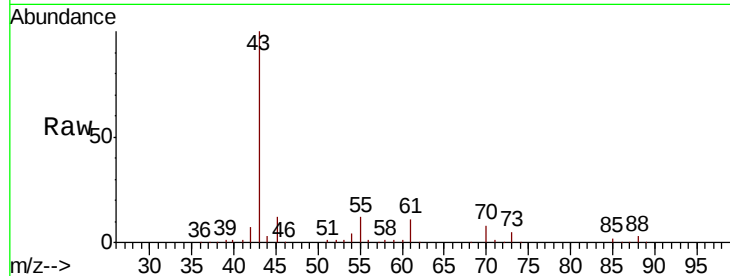




#37
Ethyl Acetate
Concen: 44.305 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

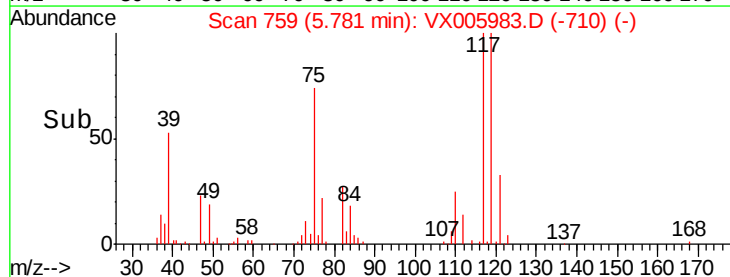
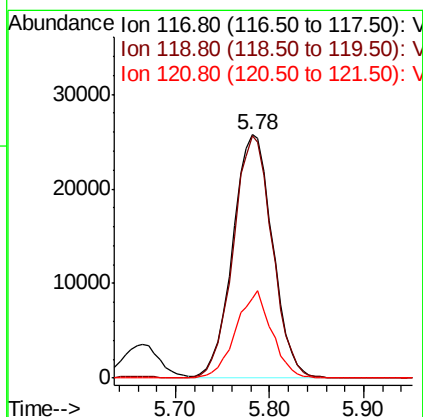
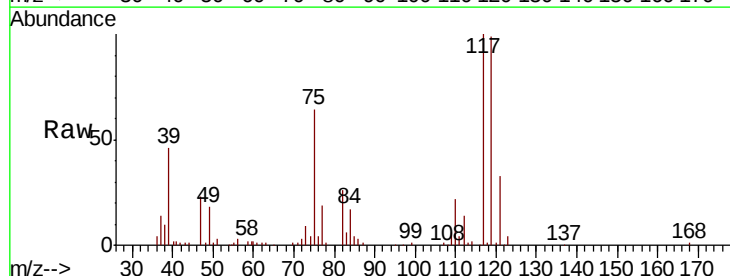
Instrument :
MSVOA_X
ClientSampled :
S36-0144MSD

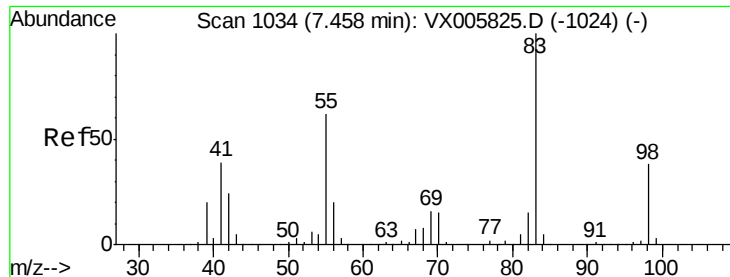
Tot Ion: 43 Resp: 92562
Ion Ratio Lower Upper
43 100
61 13.9 10.8 16.2
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.669 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 117 Resp: 75817
Ion Ratio Lower Upper
117 100
119 99.3 78.1 117.1
121 32.7 24.6 36.8

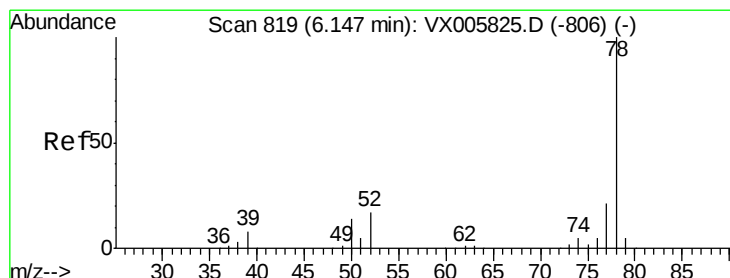
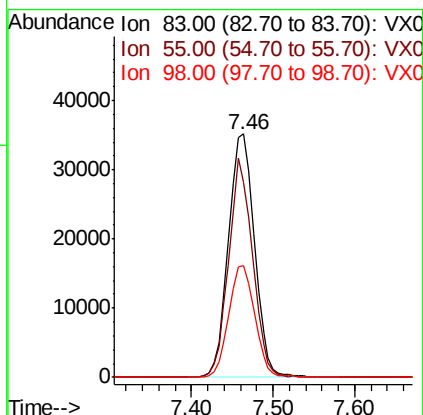
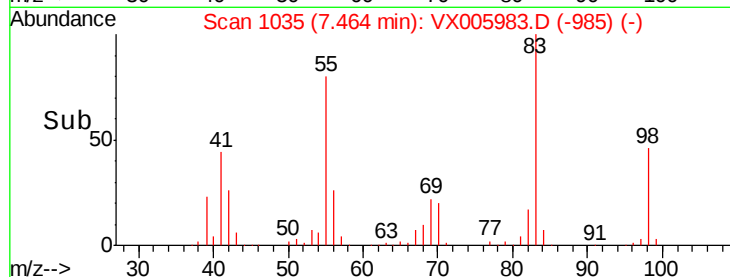
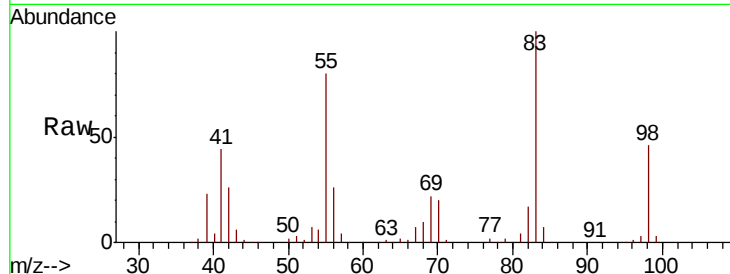




#39
Methvlcvclohexane
Concen: 48.194 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

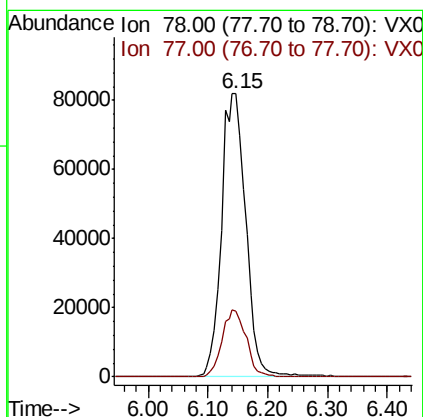
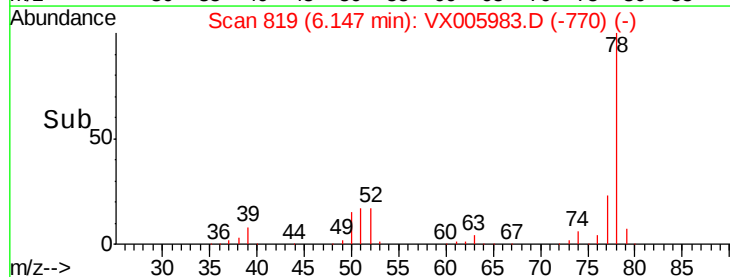
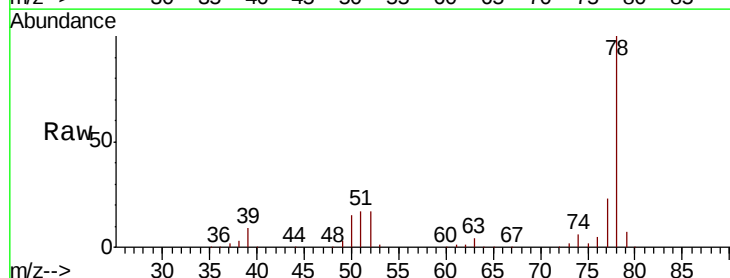
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

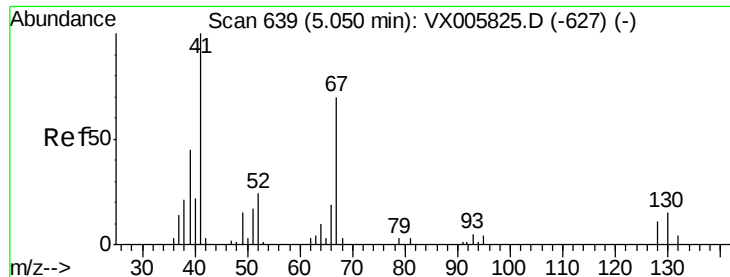
Tot Ion: 83 Resp: 77602
Ion Ratio Lower Upper
83 100
55 80.3 63.7 95.5
98 46.0 36.2 54.2



#40
Benzene
Concen: 50.212 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 78 Resp: 232556
Ion Ratio Lower Upper
78 100
77 23.2 18.4 27.6

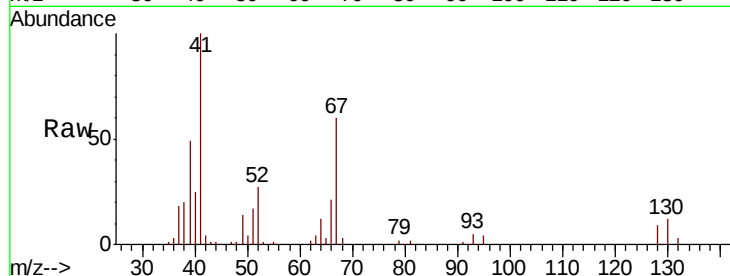




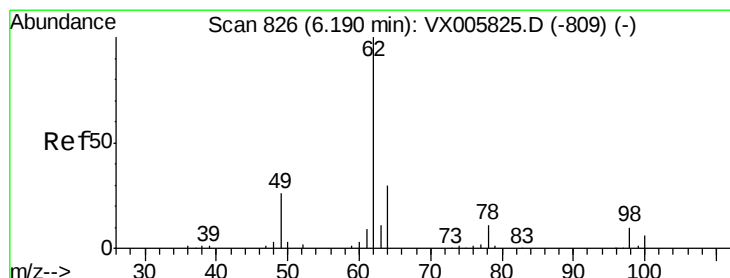
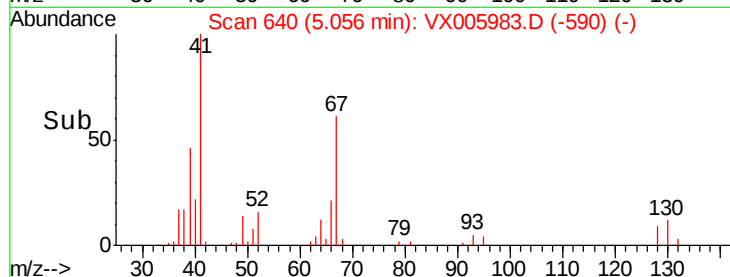
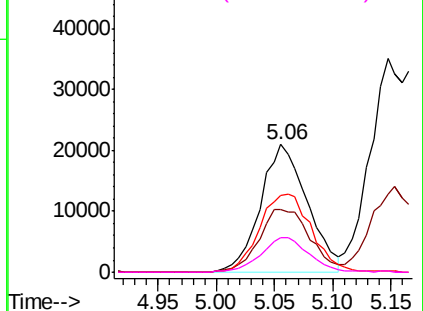
#41
Methacrylonitrile
Concen: 52.067 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampled :
S36-0144MSD

Tot Ion: 41 Resp: 58778
Ion Ratio Lower Upper
41 100
39 53.4 42.2 63.2
67 68.3 53.4 80.0
52 28.0 23.4 35.2

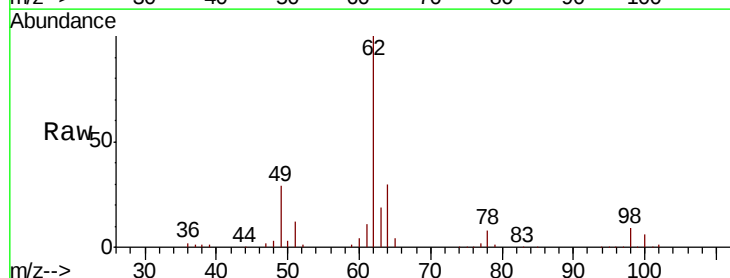


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

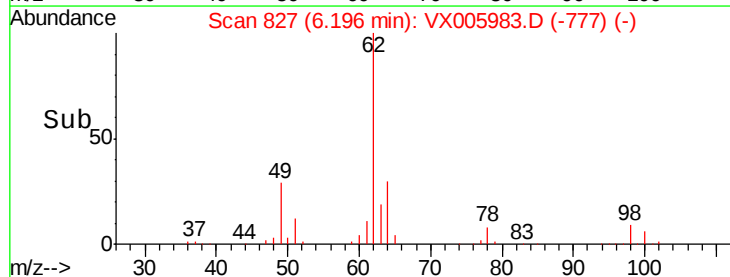
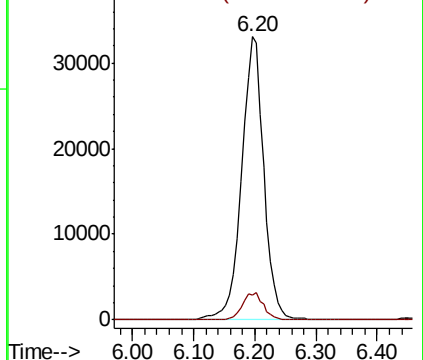


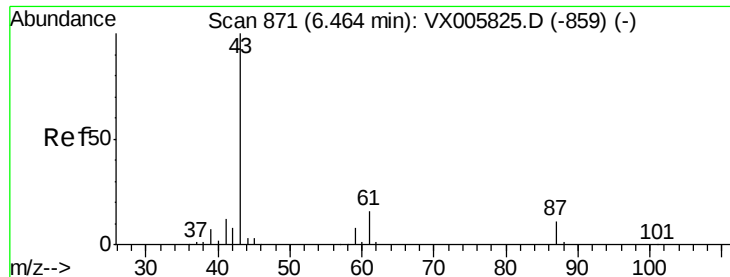
#42
1,2-Dichloroethane
Concen: 49.900 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 62 Resp: 82778
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.604 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

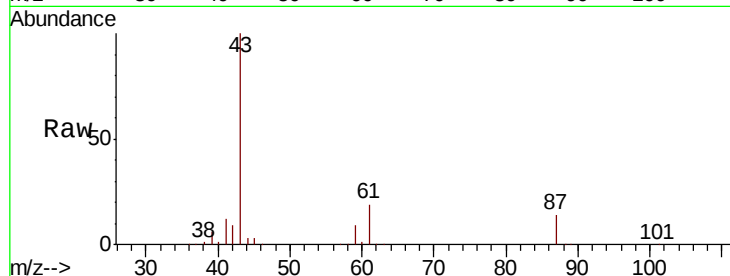
Tot Ion: 43 Resp: 144111

Ion Ratio Lower Upper

43 100

61 20.2 14.6 22.0

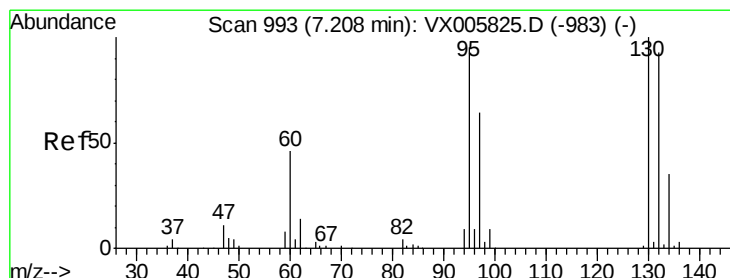
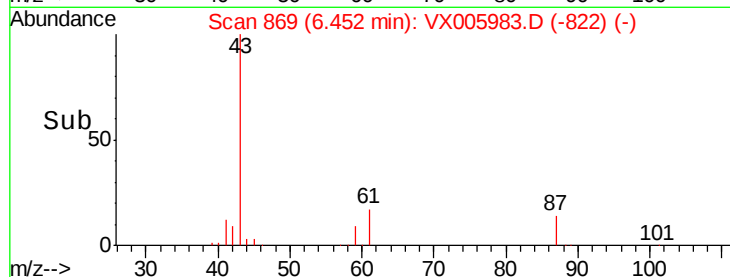
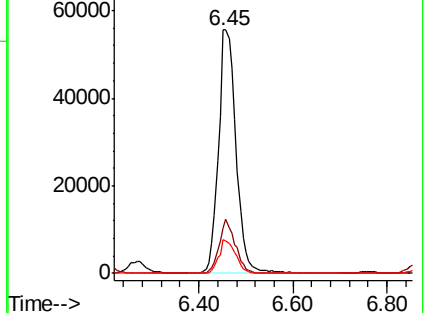
87 13.0 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.354 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005983.D

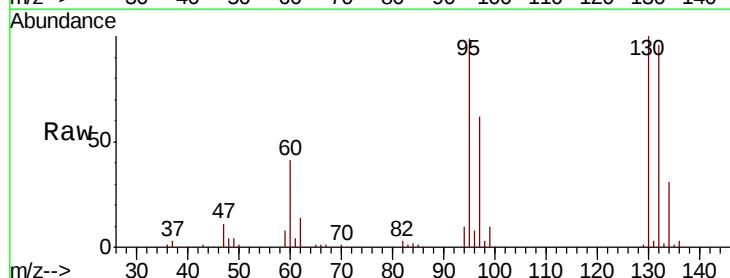
Acq: 14 Nov 2018 19:15

Tgt Ion:130 Resp: 58049

Ion Ratio Lower Upper

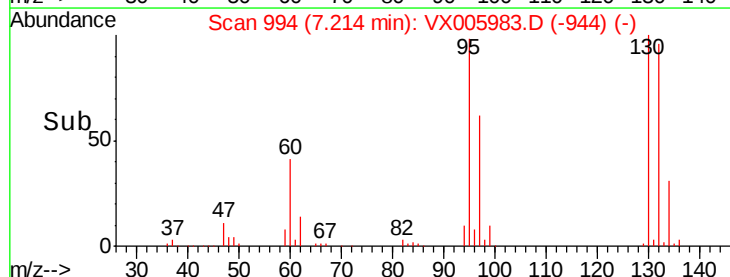
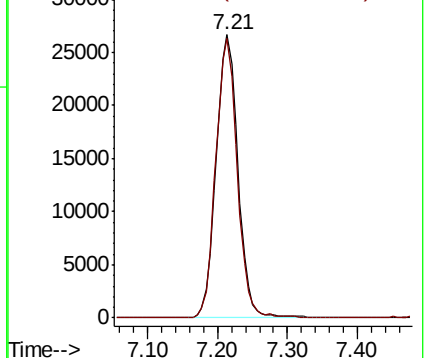
130 100

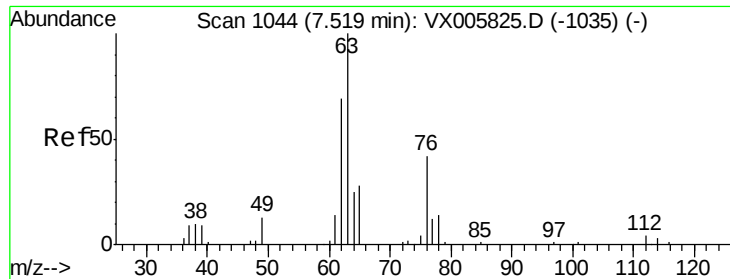
95 98.6 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 53.708 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

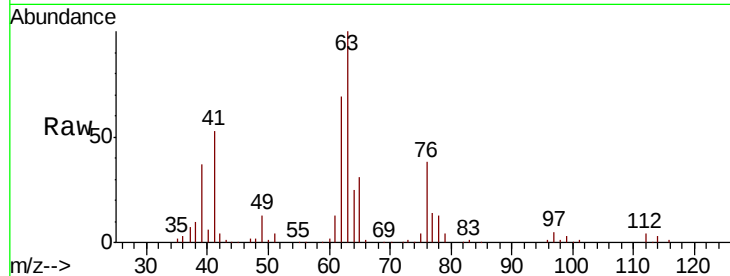
S36-0144MSD

Tot Ion: 63 Resp: 60375

Ion Ratio Lower Upper

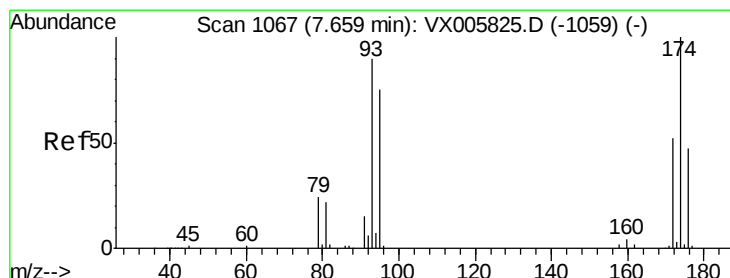
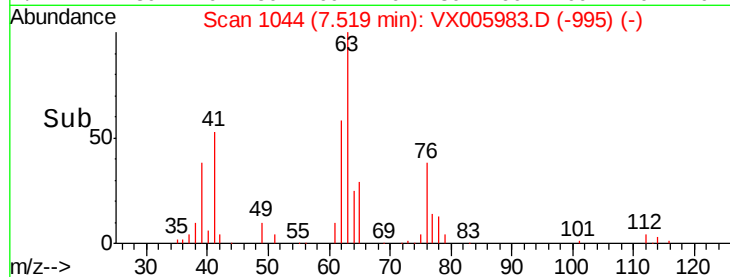
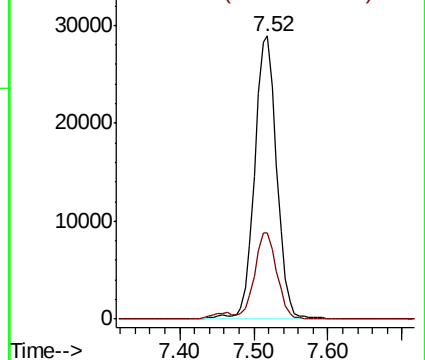
63 100

65 30.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.785 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

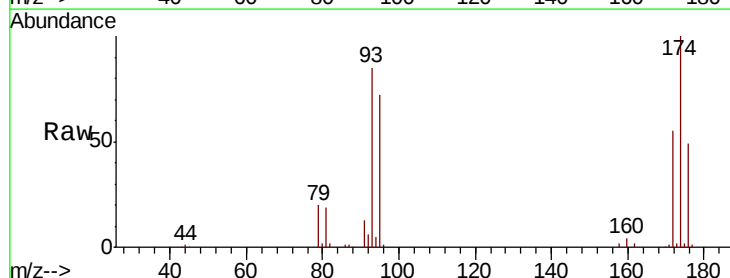
Tgt Ion: 93 Resp: 37940

Ion Ratio Lower Upper

93 100

95 84.5 67.4 101.0

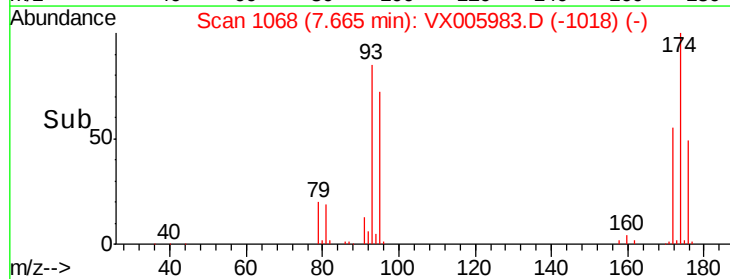
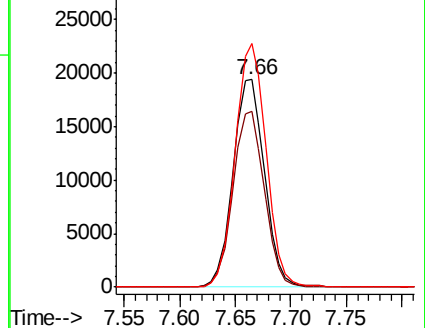
174 115.5 91.5 137.3

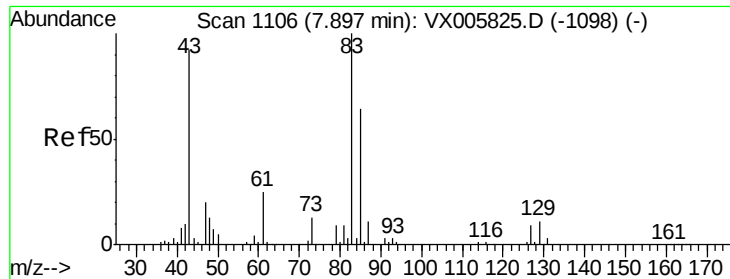


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.972 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

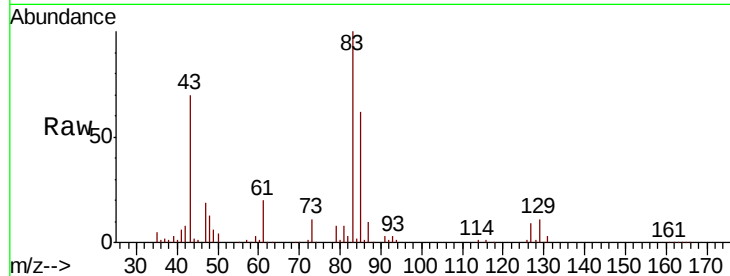
Tot Ion: 83 Resp: 74618

Ion Ratio Lower Upper

83 100

85 61.8 50.2 75.4

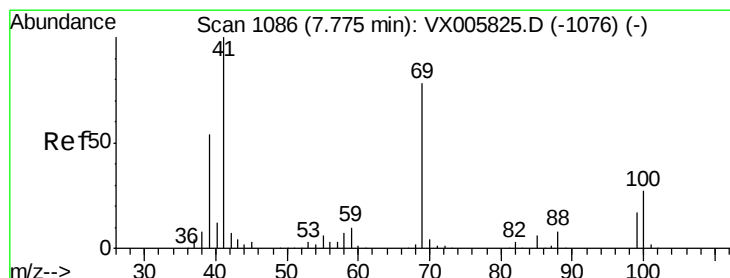
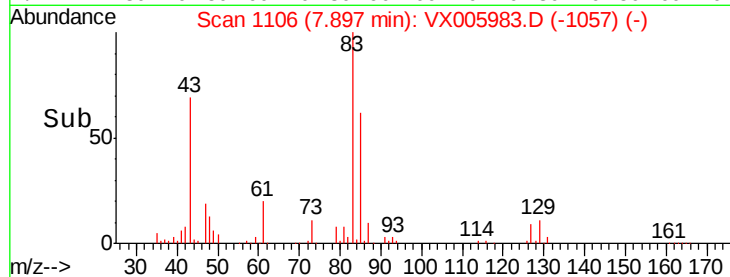
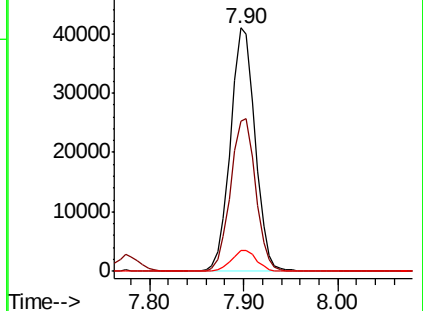
127 8.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.554 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

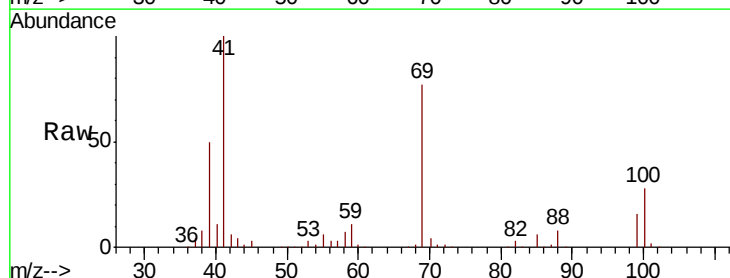
Tgt Ion: 41 Resp: 78233

Ion Ratio Lower Upper

41 100

69 78.9 63.2 94.8

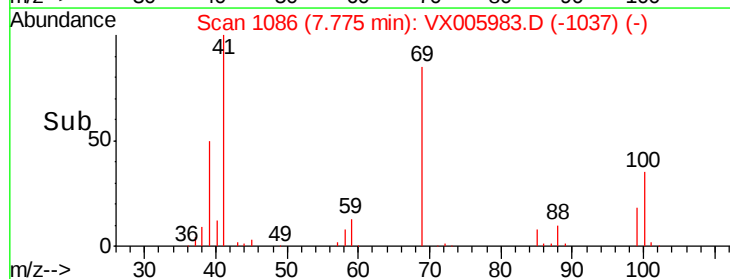
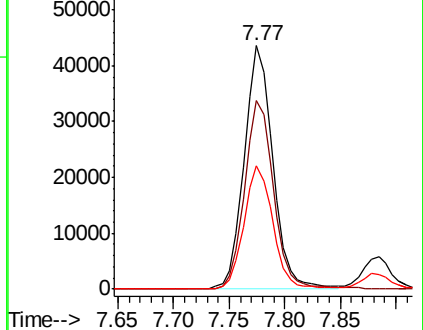
39 51.1 42.2 63.2

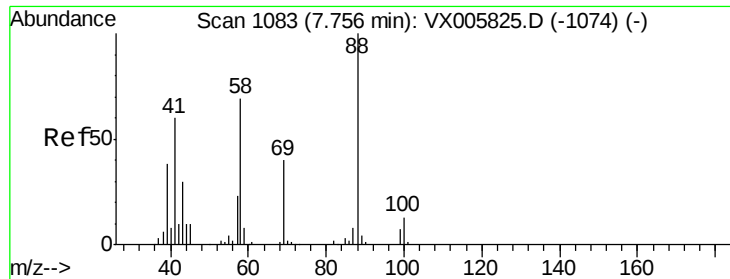


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

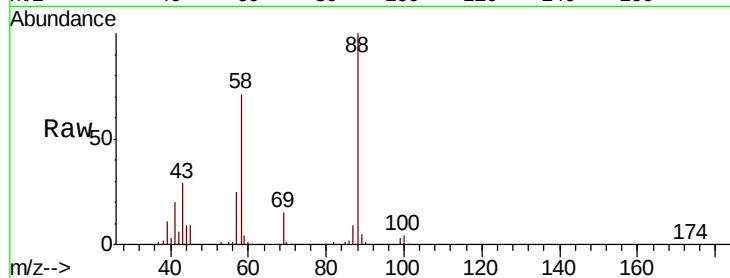




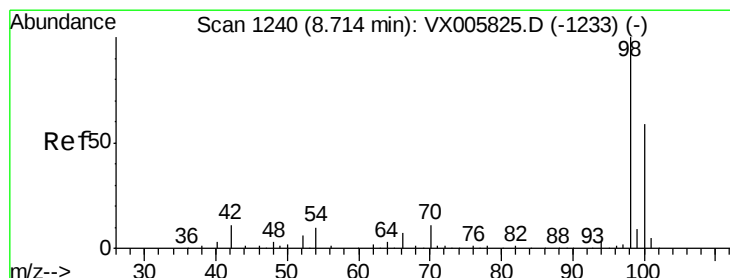
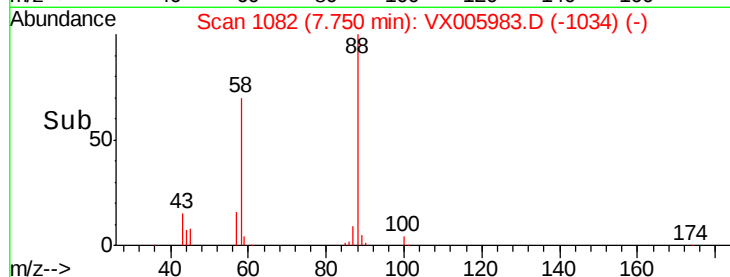
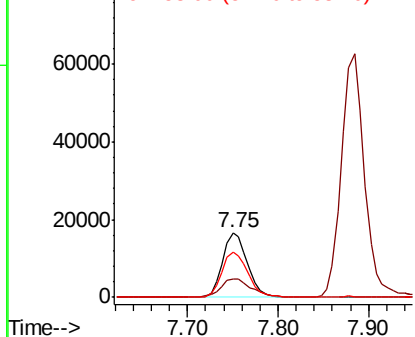
#49
1,4-Dioxane
Concen: 1073.473 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tot Ion: 88 Resp: 31443
Ion Ratio Lower Upper
88 100
43 33.6 27.4 41.0
58 73.9 59.4 89.2

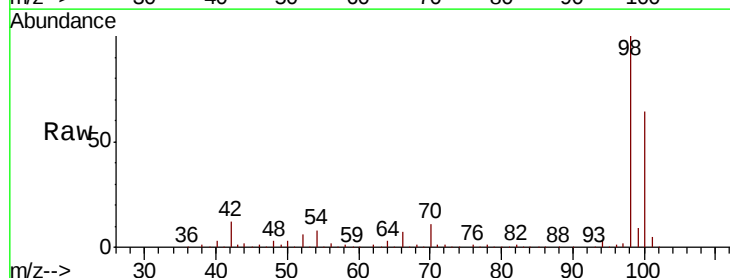


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

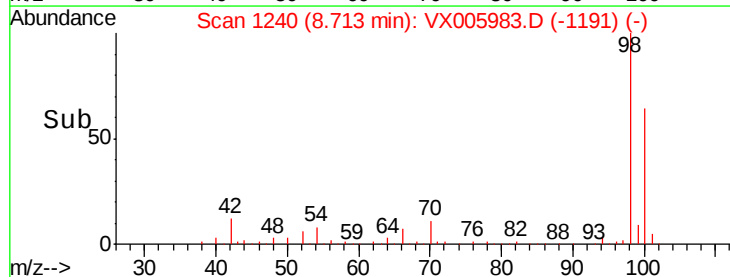
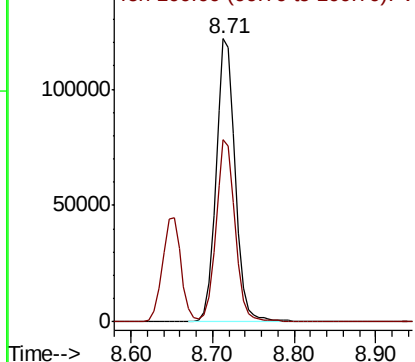


#50
Toluene-d8
Concen: 53.976 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 98 Resp: 201141
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9



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: 273.697 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

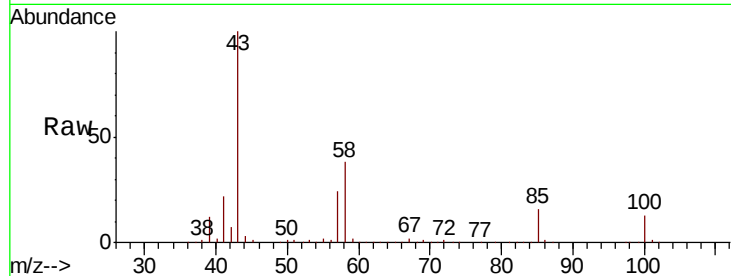
S36-0144MSD

Tot Ion: 43 Resp: 522187

Ion Ratio Lower Upper

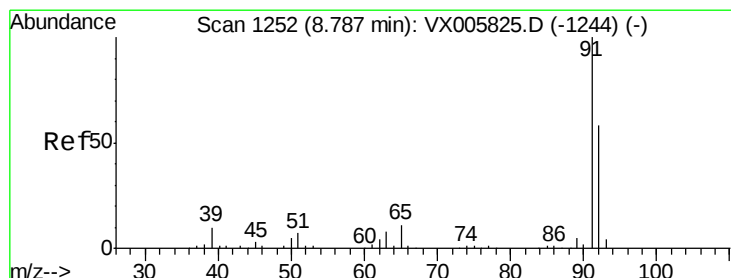
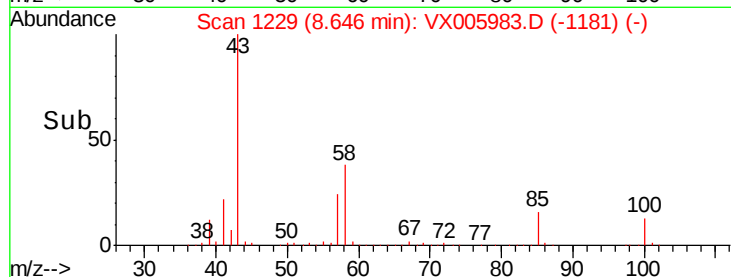
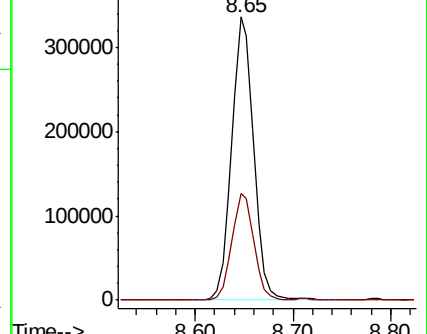
43 100

58 37.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.539 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005983.D

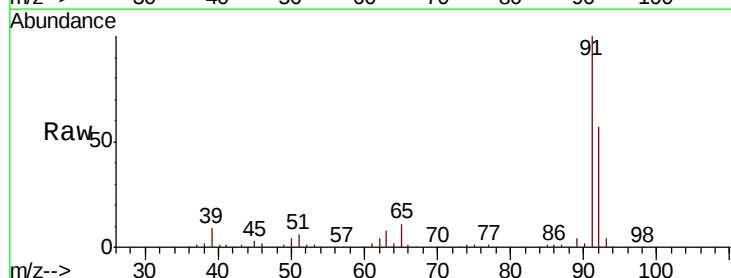
Acq: 14 Nov 2018 19:15

Tgt Ion: 92 Resp: 135996

Ion Ratio Lower Upper

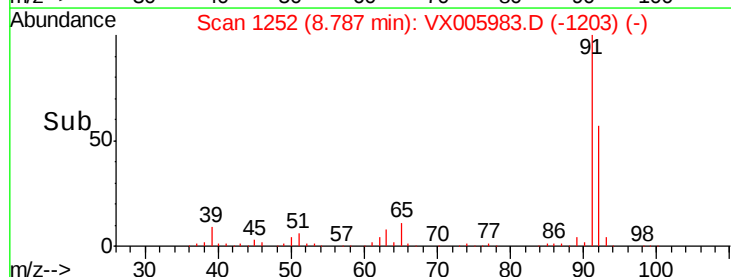
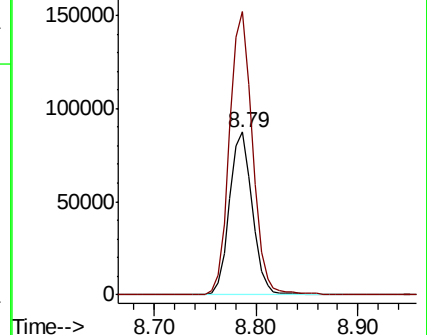
92 100

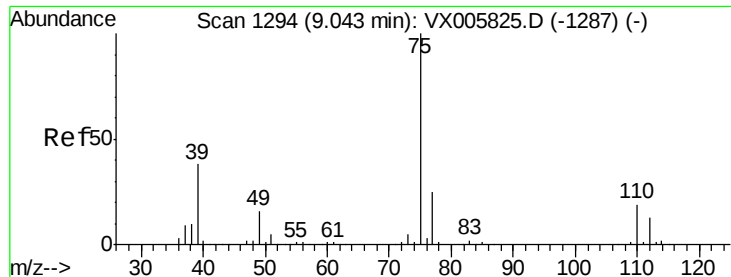
91 175.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

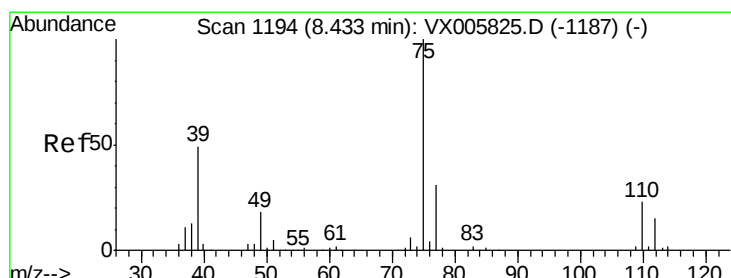
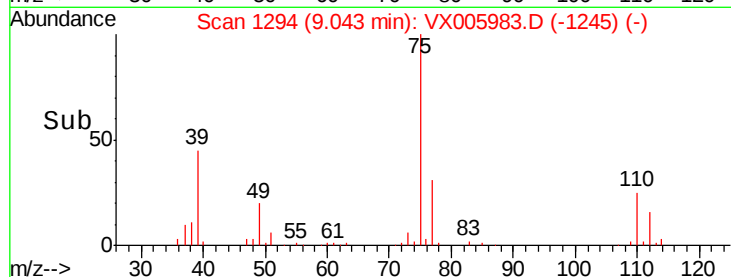
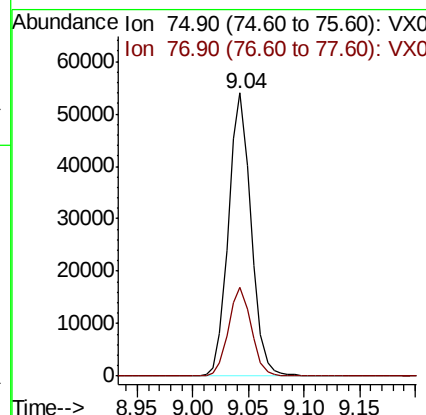
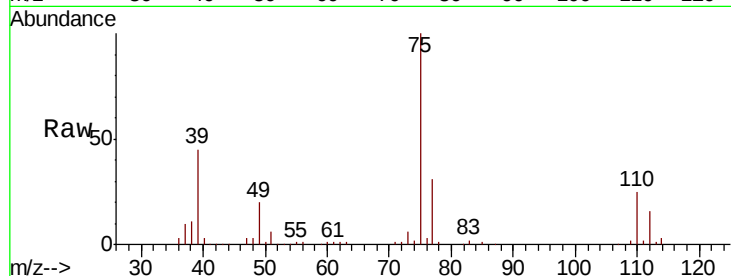




#53
t-1,3-Dichloropropene
Concen: 48.402 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

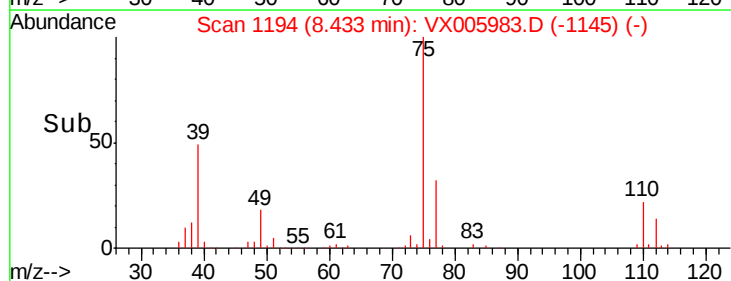
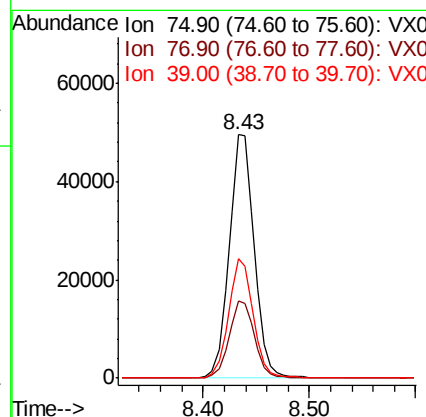
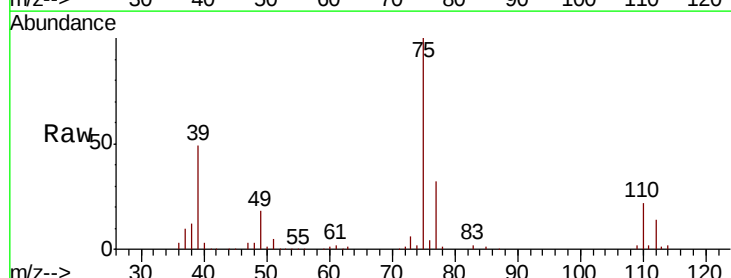
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tot Ion: 75 Resp: 76147
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 50.888 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 75 Resp: 81599
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 48.9 38.2 57.2

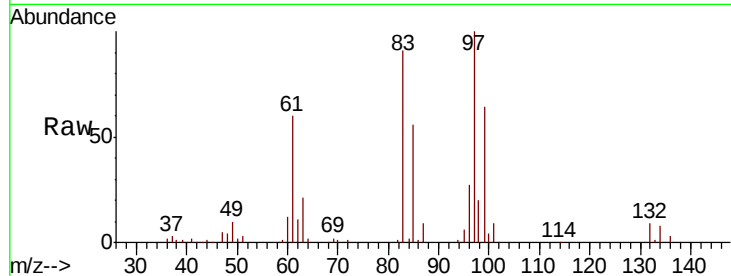




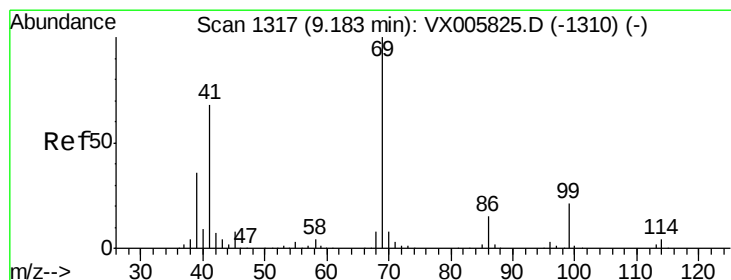
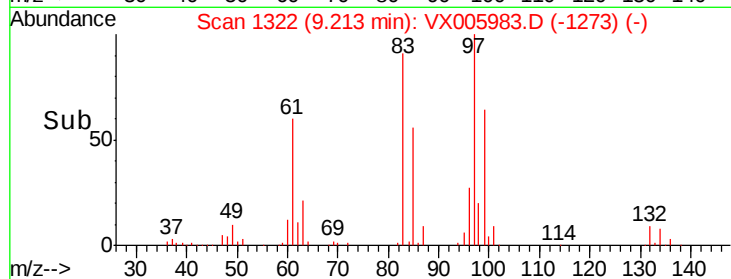
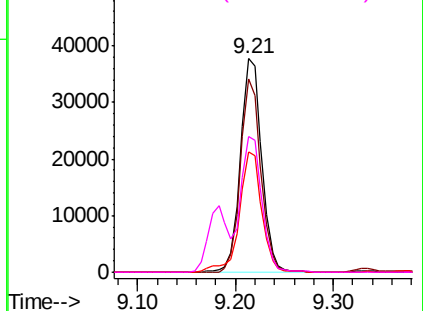
#55
 1,1,2-Trichloroethane
 Concen: 49.537 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tot Ion: 97 Resp: 57147
 Ion Ratio Lower Upper
 97 100
 83 90.6 70.7 106.1
 85 56.1 45.8 68.6
 99 63.7 51.8 77.8

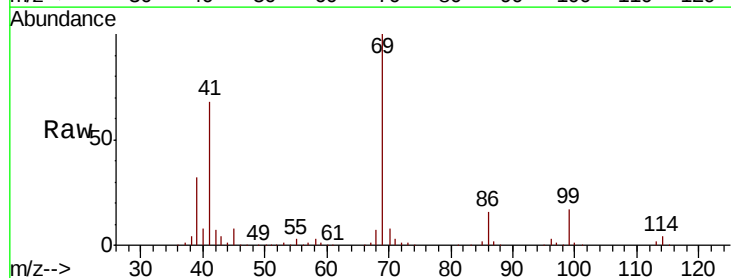


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

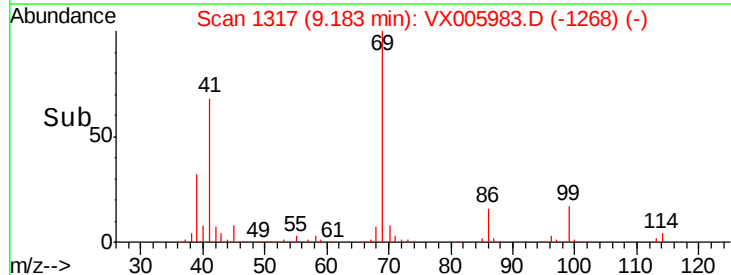
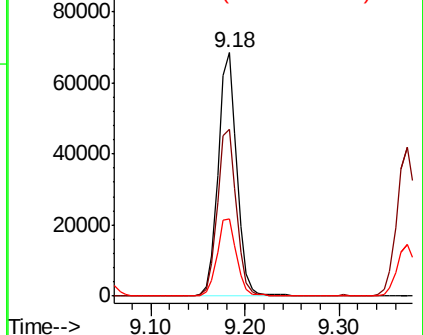


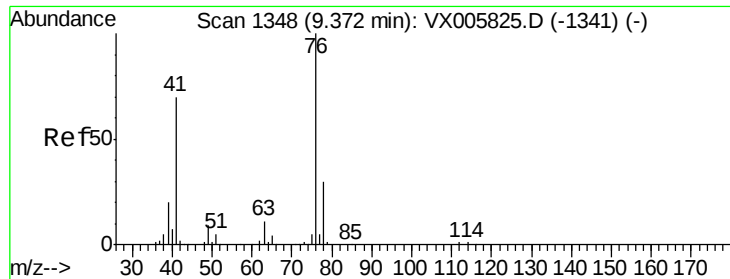
#56
 Ethyl methacrylate
 Concen: 54.336 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 69 Resp: 93789
 Ion Ratio Lower Upper
 69 100
 41 69.7 57.0 85.6
 39 33.1 28.3 42.5



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

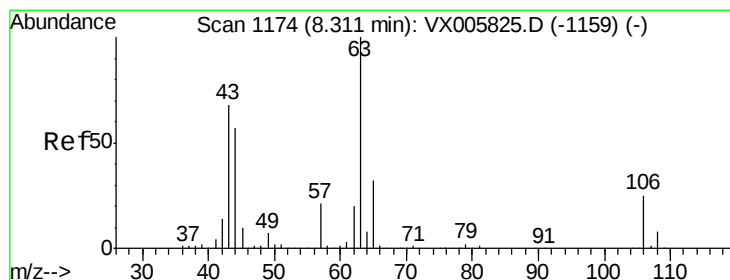
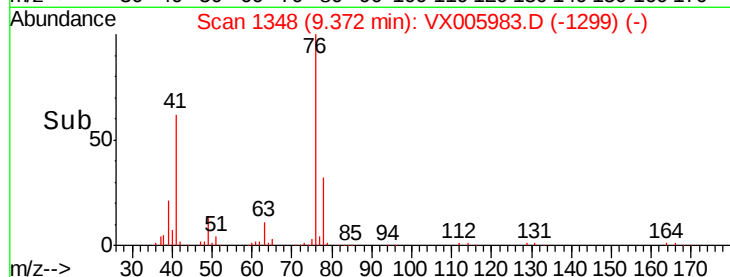
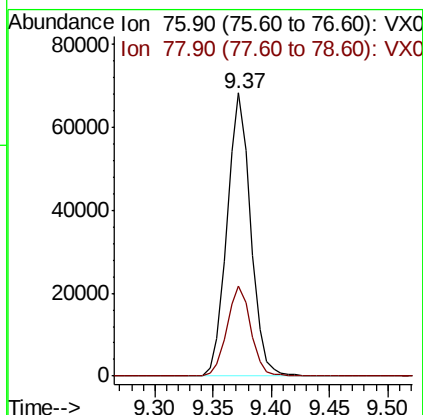
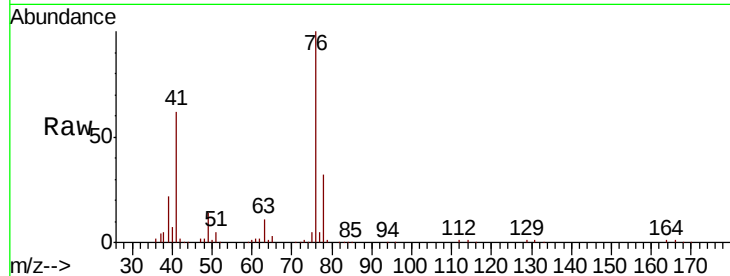




#57
 1,3-Dichloropropane
 Concen: 49.771 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

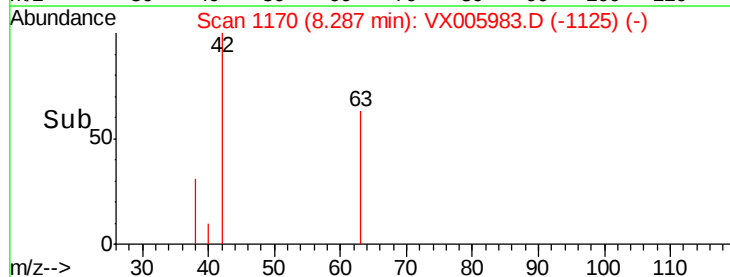
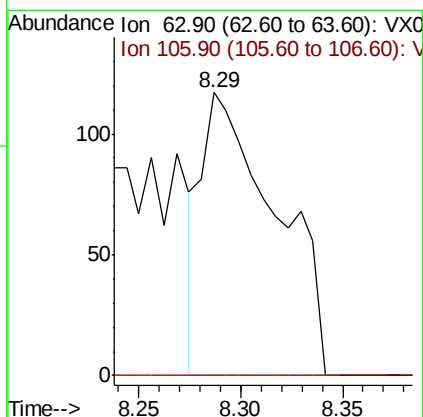
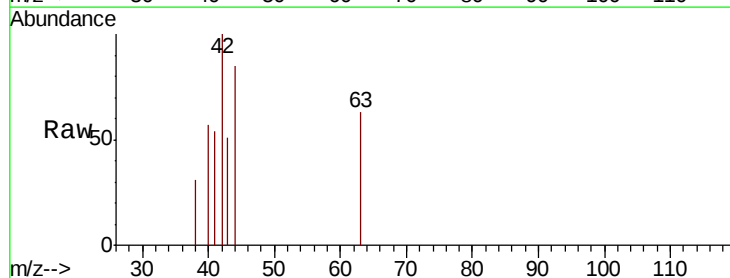
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

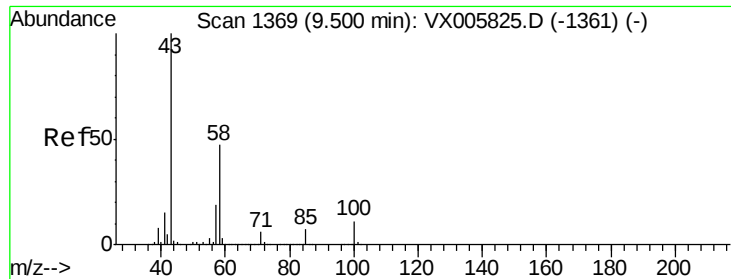
Tot Ion: 76 Resp: 96489
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 8.584 ug/l
 RT: 8.29 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 63 Resp: 297
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#

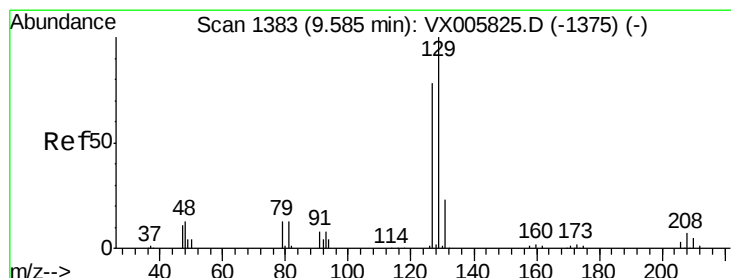
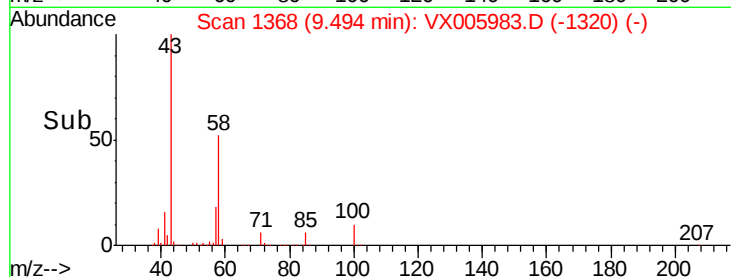
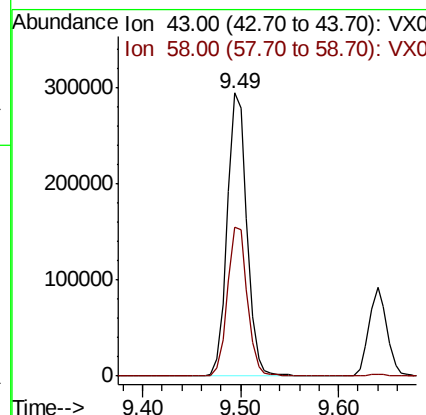
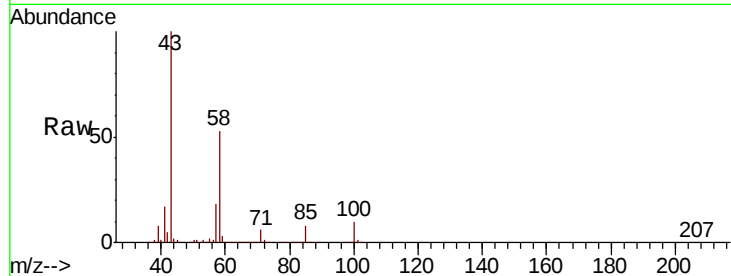




#59
2-Hexanone
Concen: 244.600 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

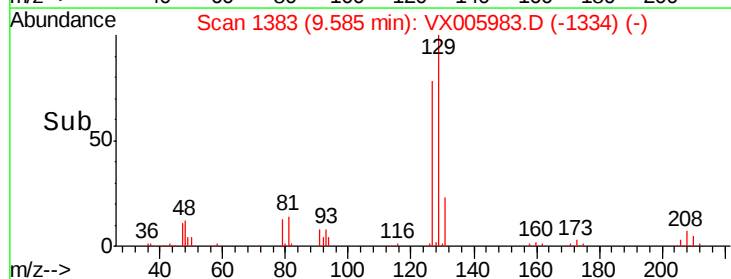
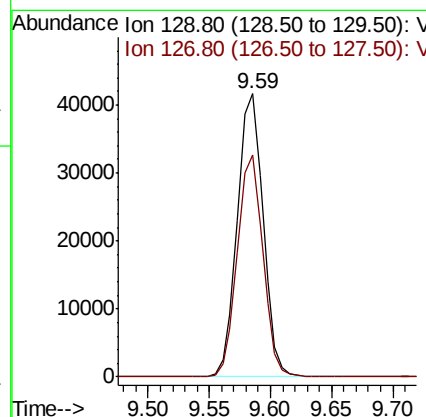
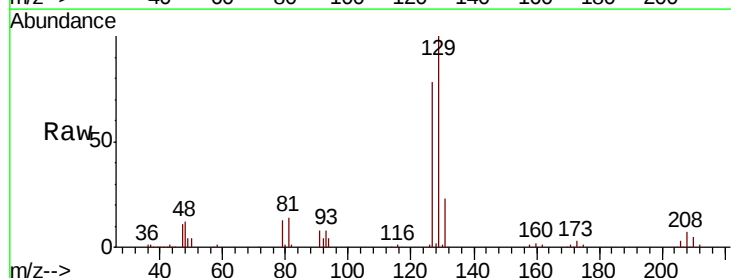
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

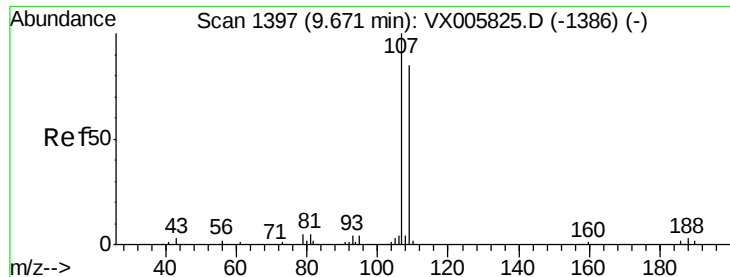
Tot Ion: 43 Resp: 411350
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.8



#60
Dibromochloromethane
Concen: 48.781 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:129 Resp: 60818
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 46.955 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

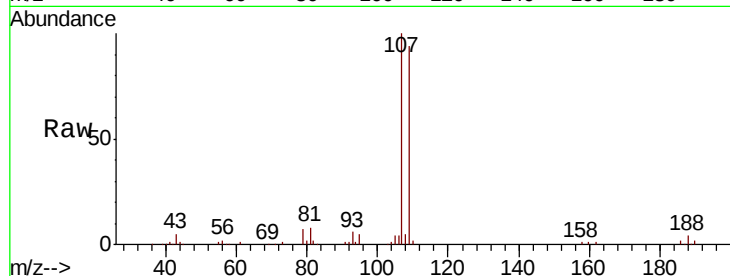
S36-0144MSD

Tot Ion:107 Resp: 59897

Ion Ratio Lower Upper

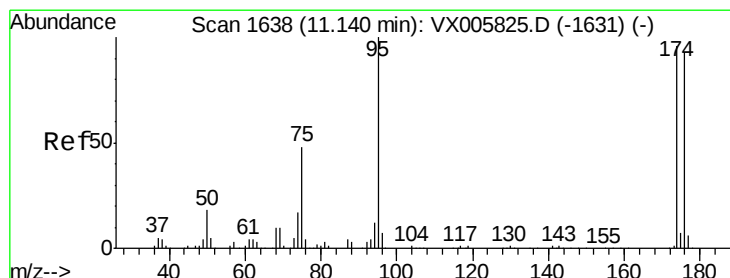
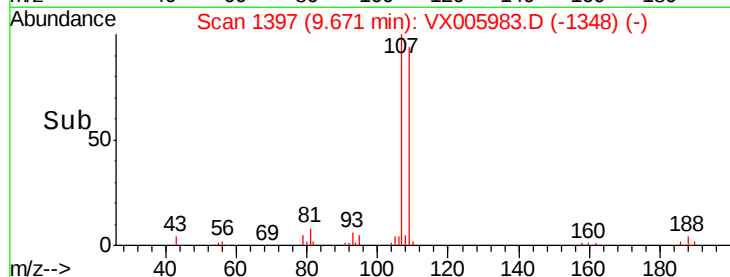
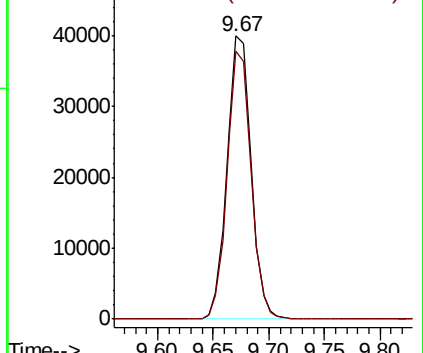
107 100

109 94.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.546 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

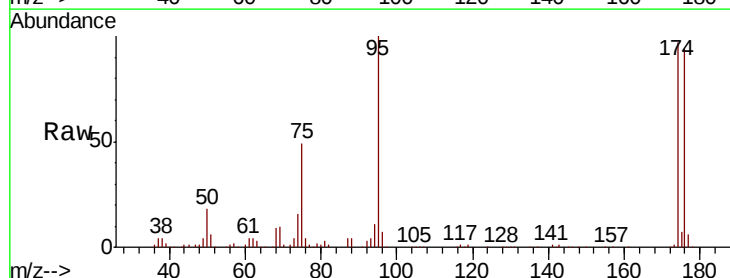
Tgt Ion: 95 Resp: 75761

Ion Ratio Lower Upper

95 100

174 90.6 0.0 184.4

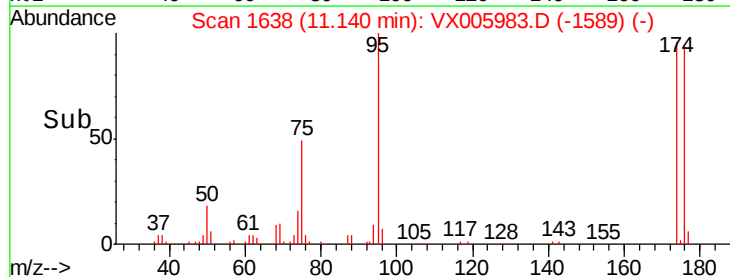
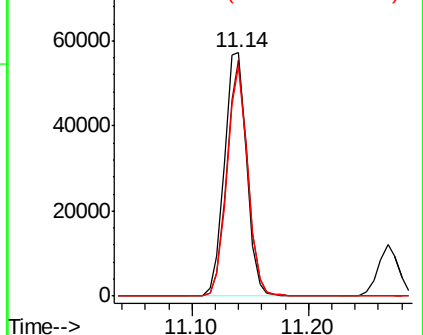
176 87.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

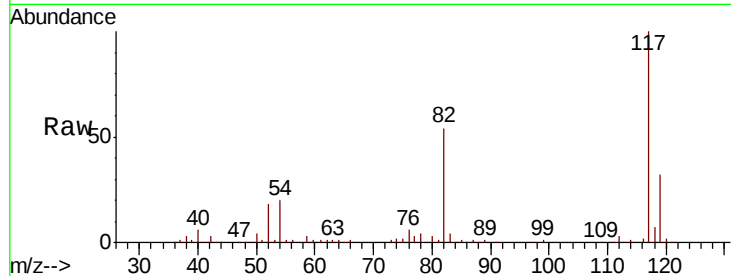




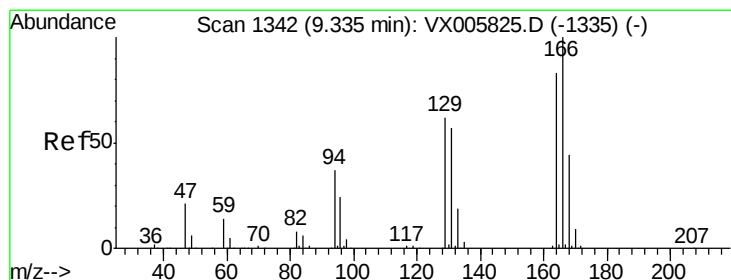
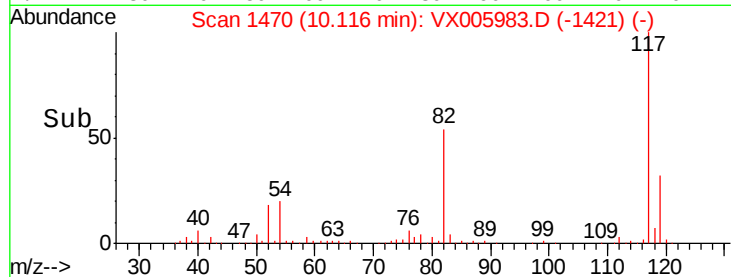
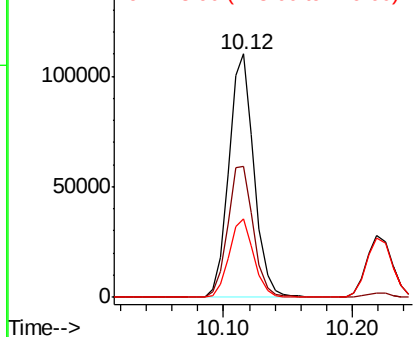
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampled :
S36-0144MSD

Tot Ion:117 Resp: 150344
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 32.3 26.2 39.2

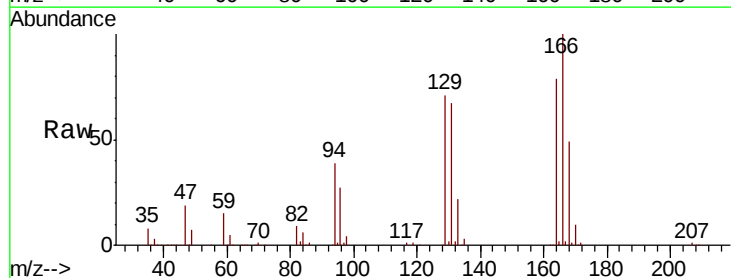


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

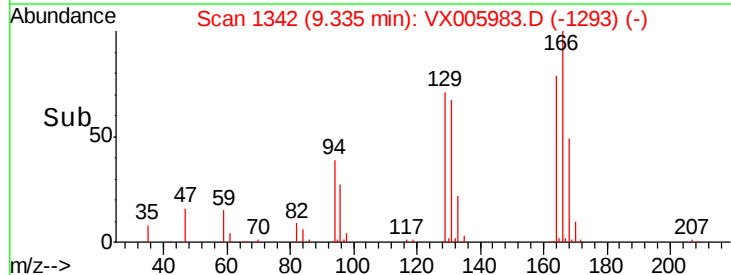
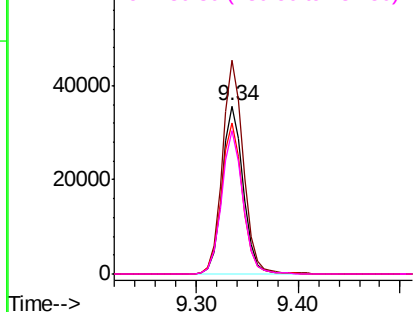


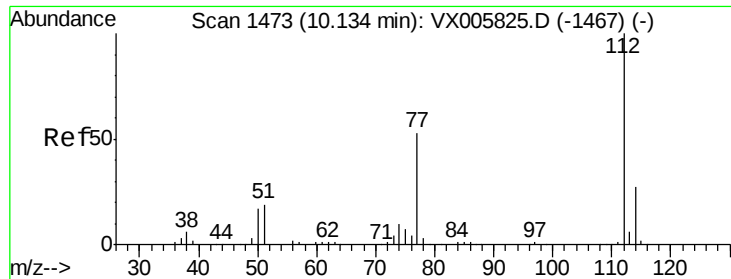
#64
Tetrachloroethene
Concen: 40.158 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:164 Resp: 51403
Ion Ratio Lower Upper
164 100
166 127.2 101.9 152.9
129 89.7 72.6 109.0
131 85.0 71.1 106.7



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

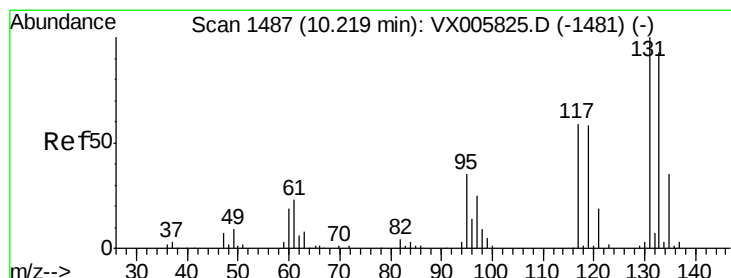
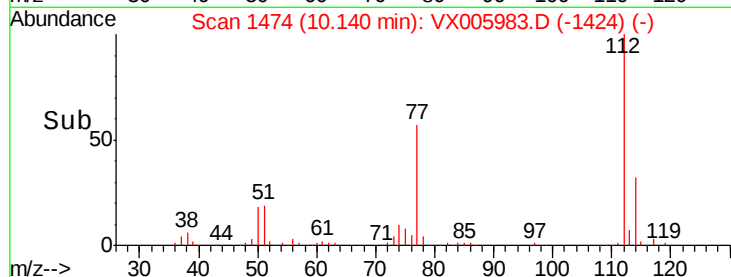
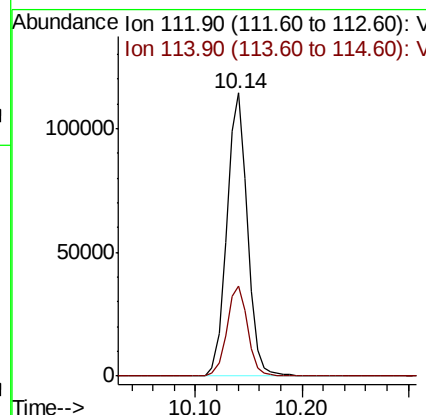
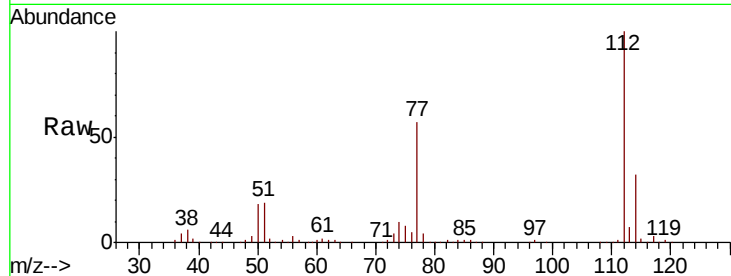




#65
Chlorobenzene
Concen: 51.183 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

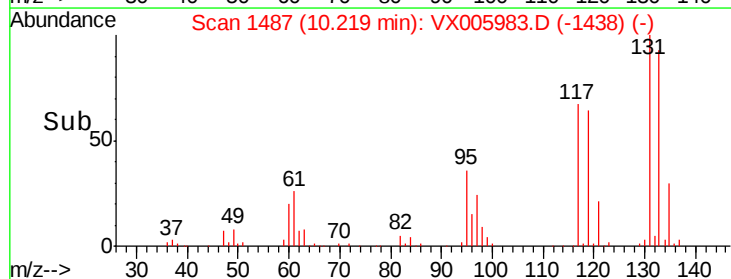
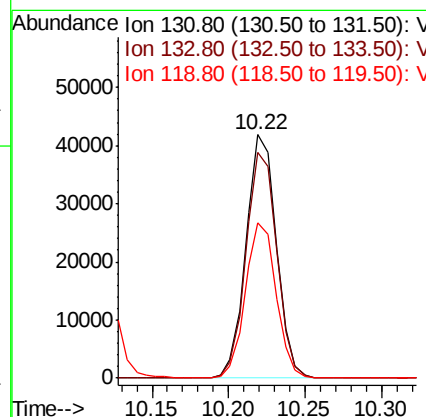
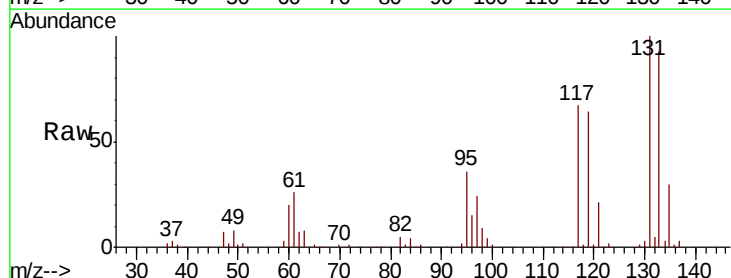
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

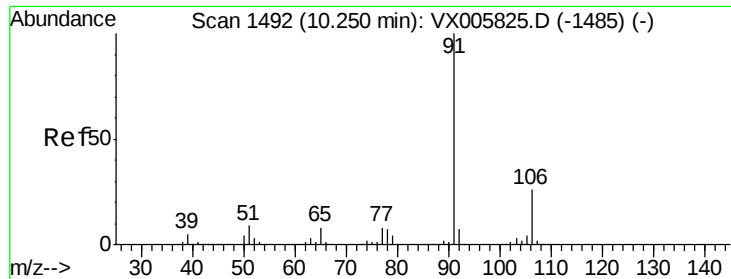
Tot Ion:112 Resp: 154156
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.114 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:131 Resp: 57710
Ion Ratio Lower Upper
131 100
133 94.1 47.5 142.5
119 64.6 31.8 95.3

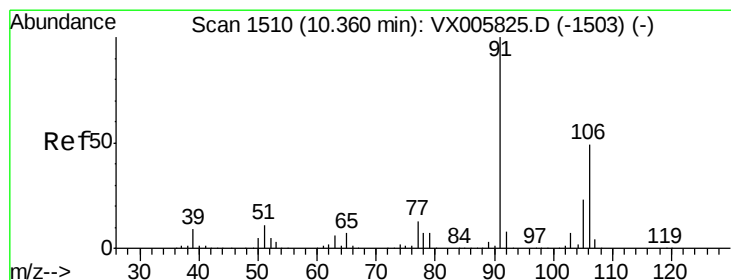
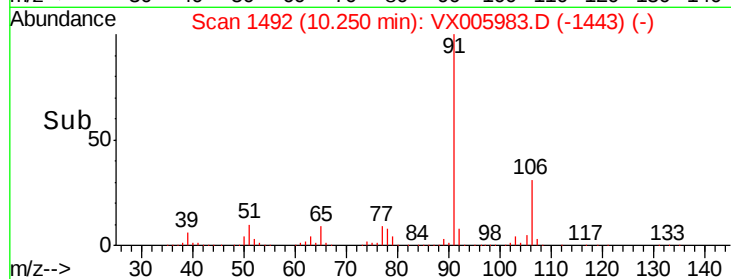
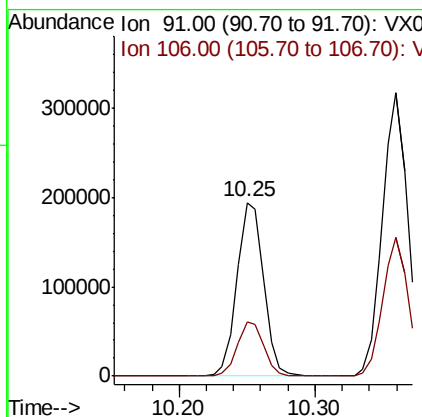
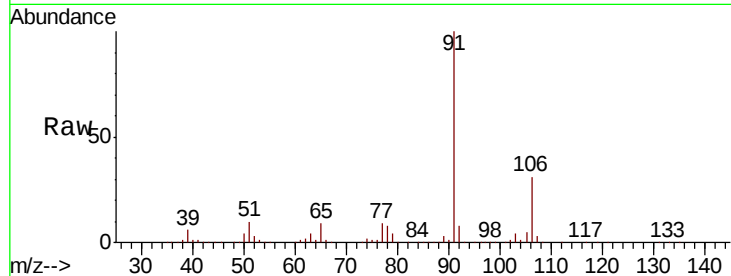




#67
Ethyl Benzene
Concen: 54.754 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

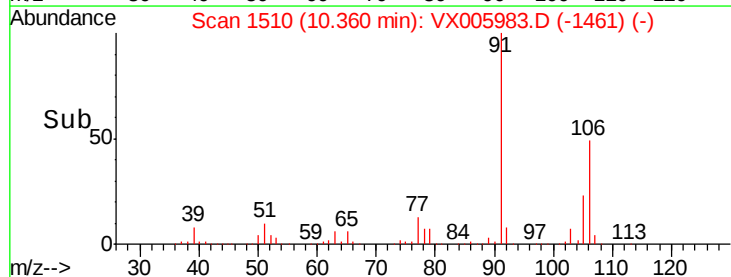
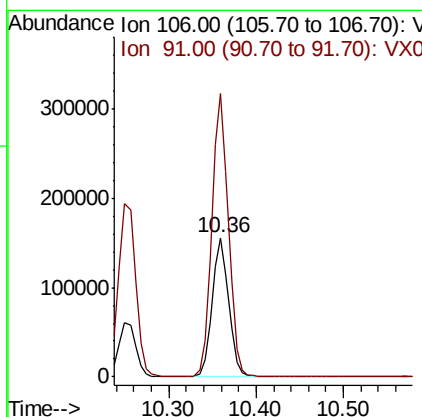
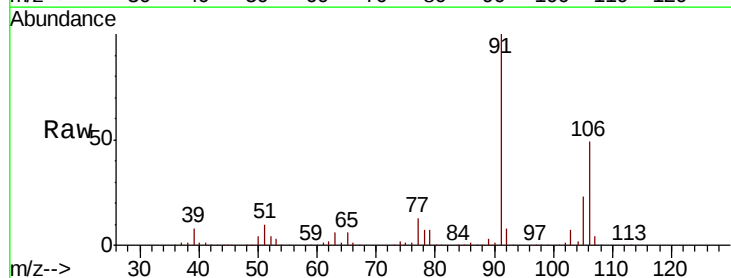
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

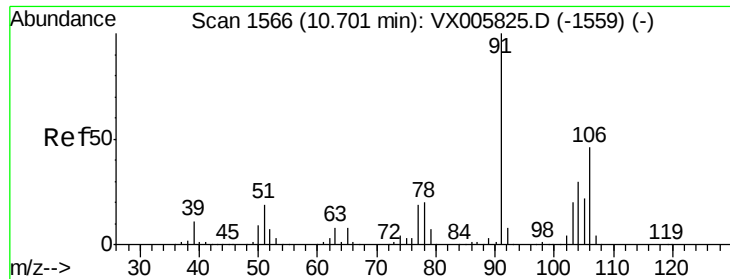
Tot Ion: 91 Resp: 264441
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6



#68
m/p-Xylenes
Concen: 110.508 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 106 Resp: 203577
Ion Ratio Lower Upper
106 100
91 204.6 164.2 246.4

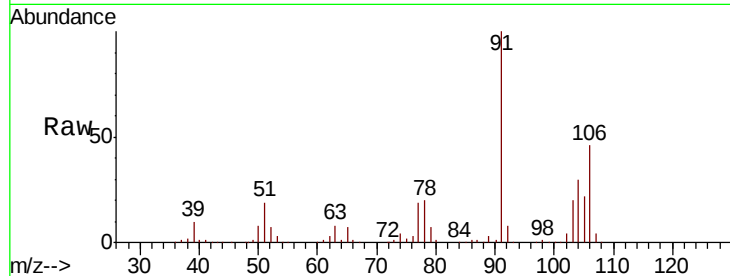




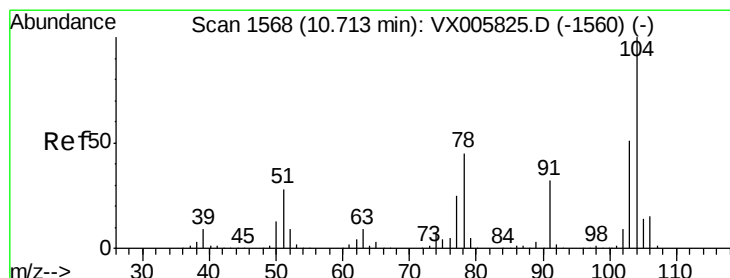
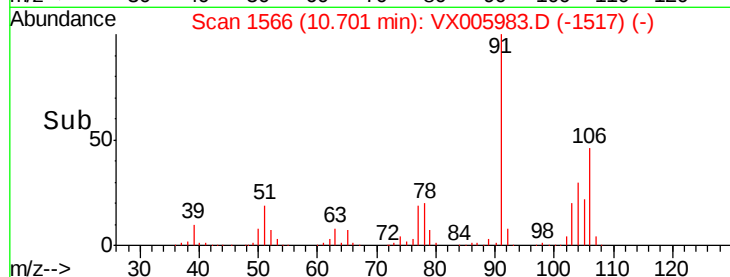
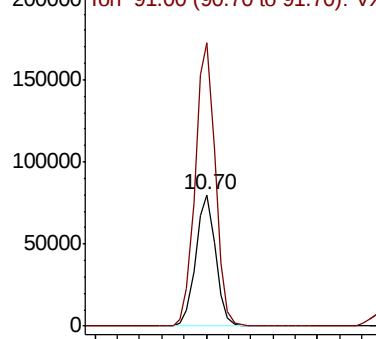
#69
o-Xylene
Concen: 59.363 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampled :
S36-0144MSD

Tot Ion:106 Resp: 98061
Ion Ratio Lower Upper
106 100
91 219.2 108.5 325.5

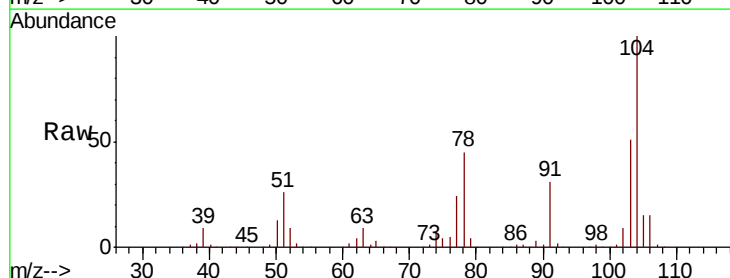


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

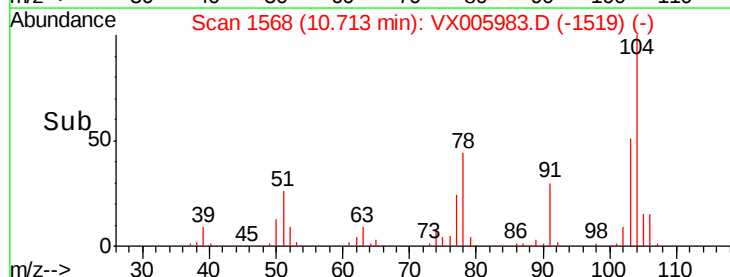
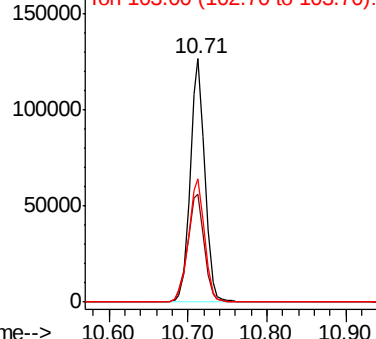


#70
Styrene
Concen: 60.223 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:104 Resp: 164108
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 55.8 44.9 67.3



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: 57.280 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

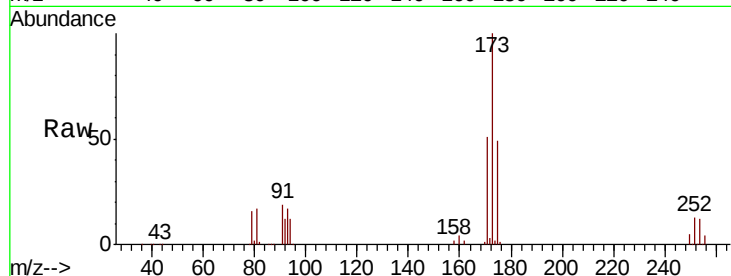
Tot Ion:173 Resp: 50279

Ion Ratio Lower Upper

173 100

175 49.0 24.8 74.3

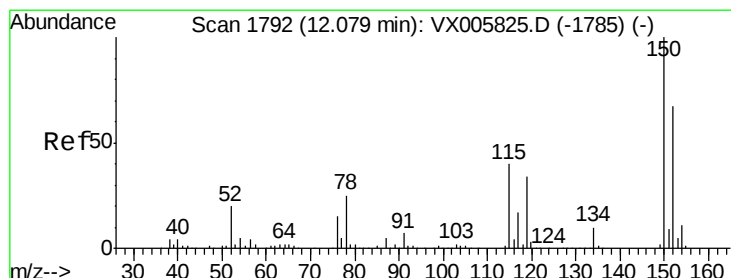
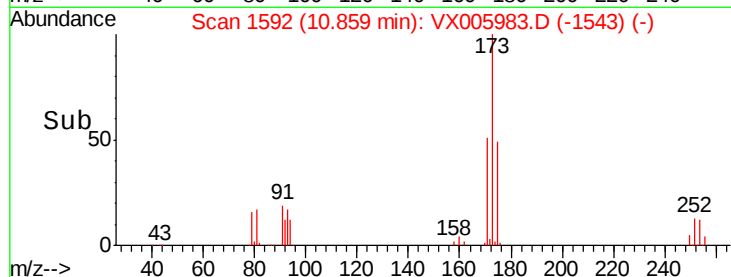
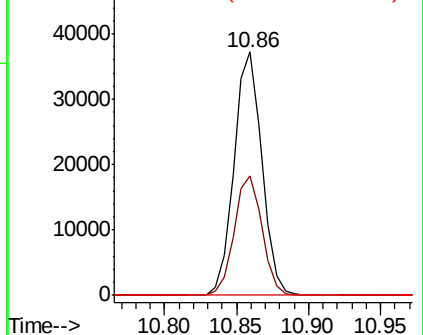
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

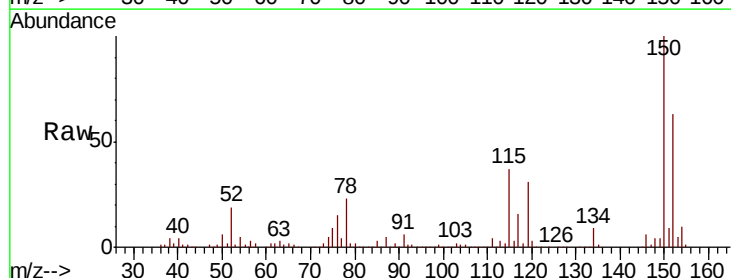
Tgt Ion:152 Resp: 81109

Ion Ratio Lower Upper

152 100

115 77.5 39.4 118.1

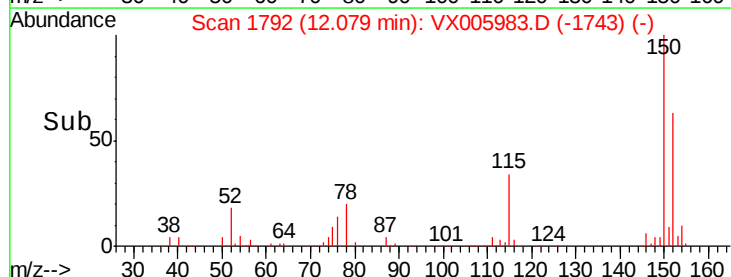
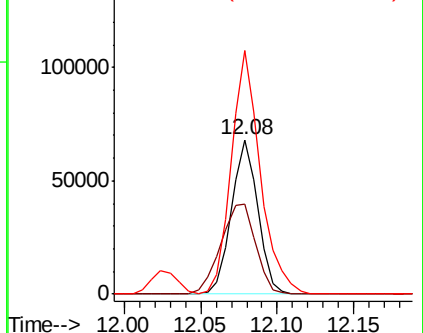
150 173.9 0.0 346.4

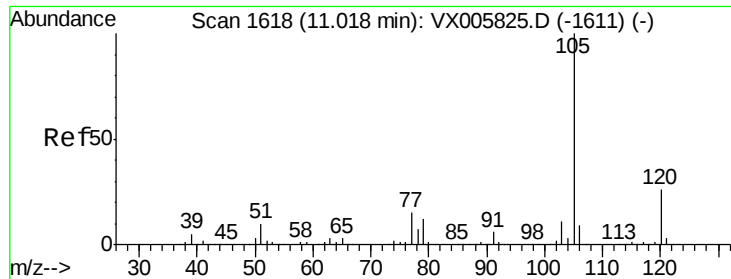


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

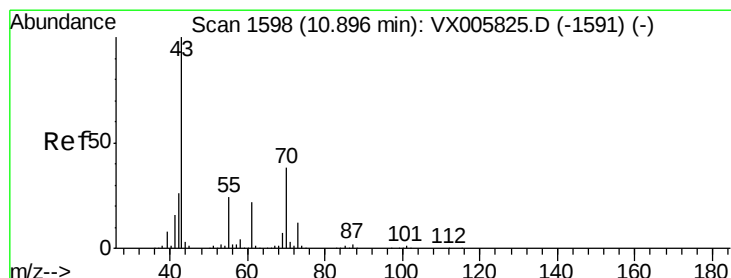
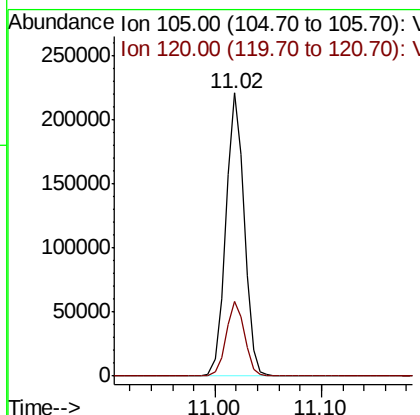
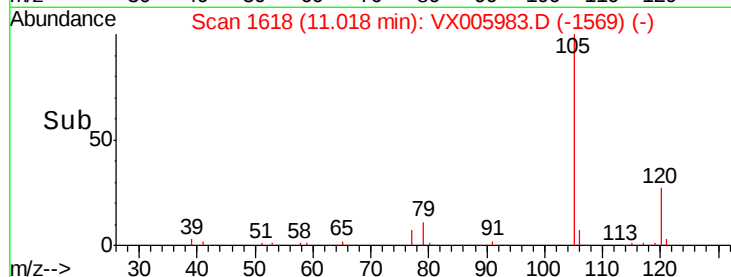
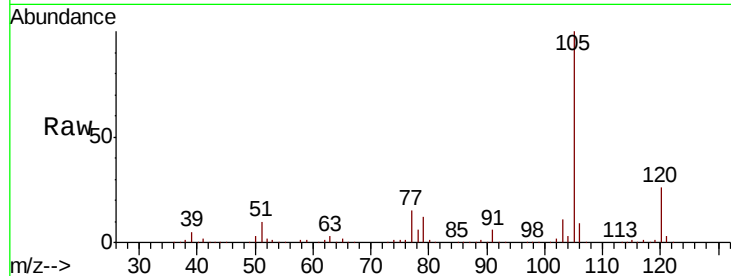




#73
Isopropylbenzene
Concen: 57.153 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

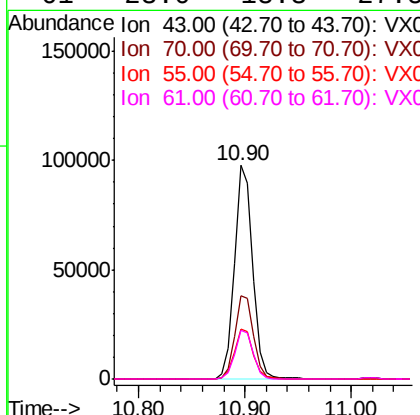
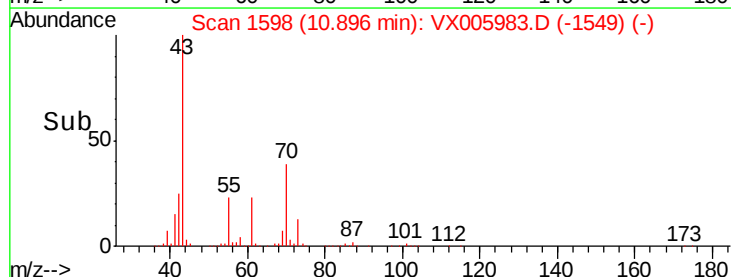
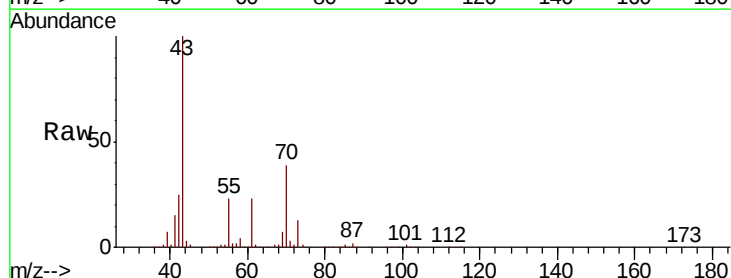
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

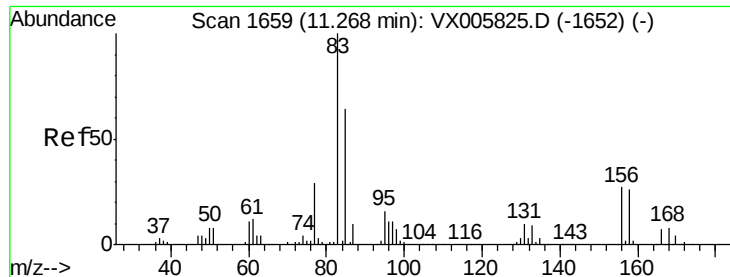
Tot Ion:105 Resp: 268071
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3



#74
N-ethyl acetate
Concen: 44.784 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 43 Resp: 117510
Ion Ratio Lower Upper
43 100
70 39.7 31.6 47.4
55 23.9 19.7 29.5
61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.199 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

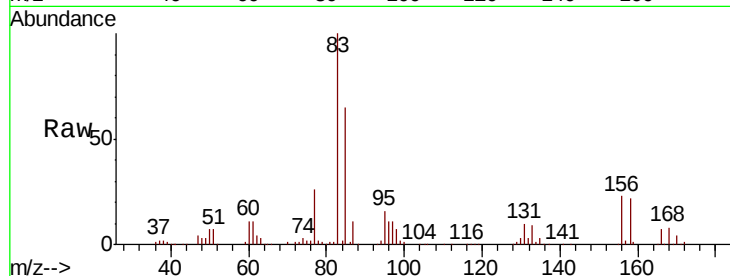
Tot Ion: 83 Resp: 96752

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.9

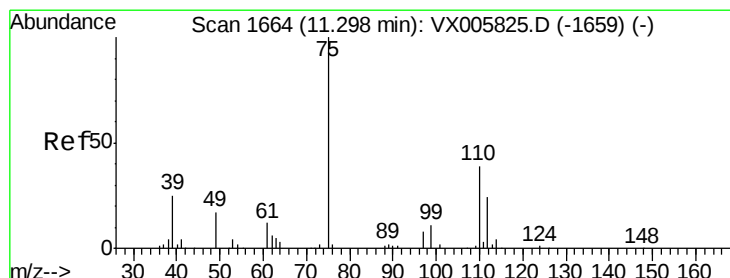
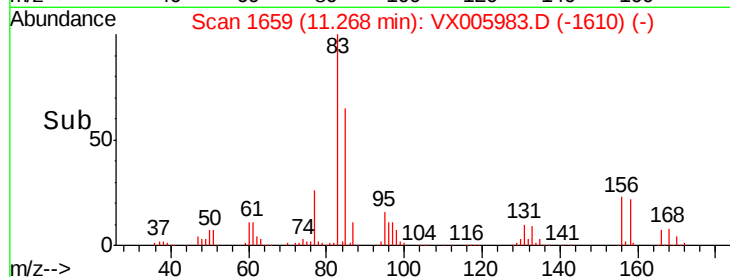
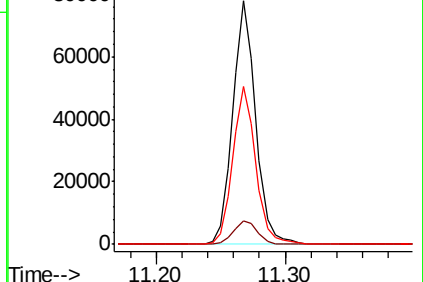
85 65.0 32.0 96.2



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: 65.215 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005983.D

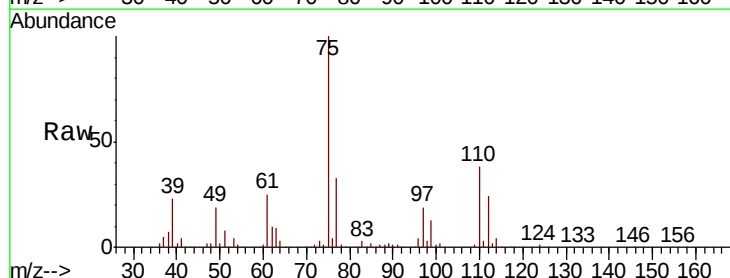
Acq: 14 Nov 2018 19:15

Tgt Ion: 75 Resp: 107706

Ion Ratio Lower Upper

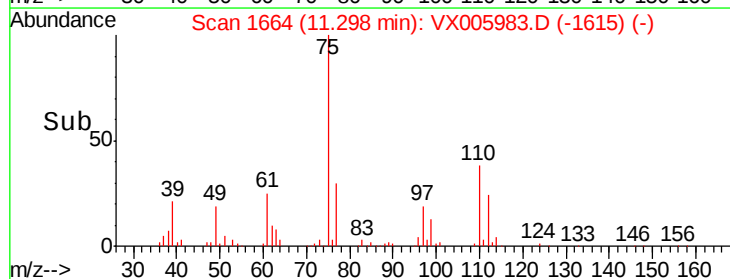
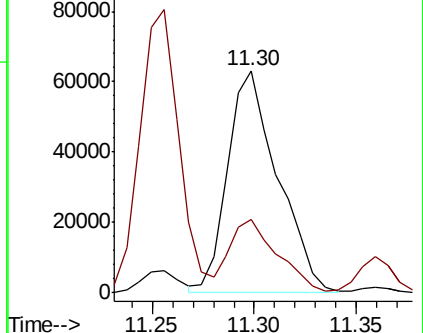
75 100

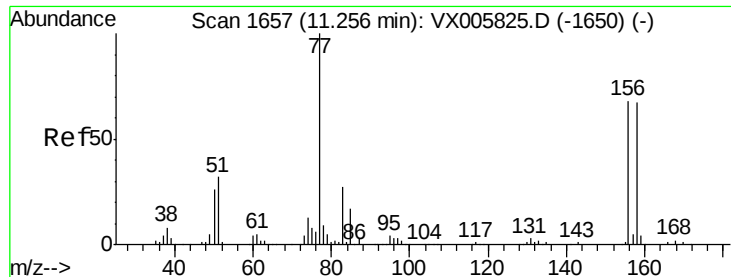
77 31.4 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.671 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

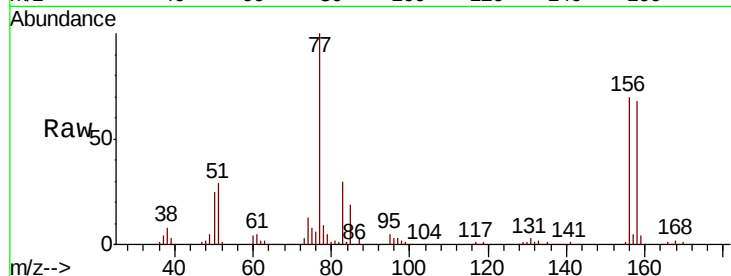
Tot Ion:156 Resp: 70955

Ion Ratio Lower Upper

156 100

77 151.0 74.8 224.4

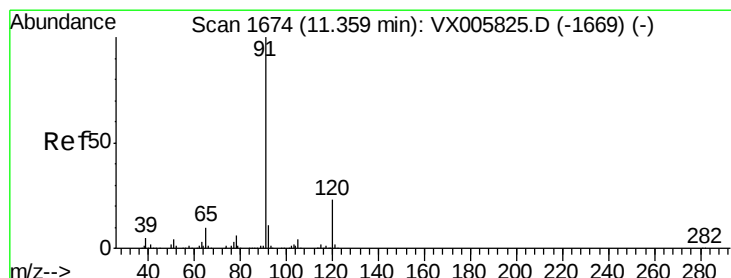
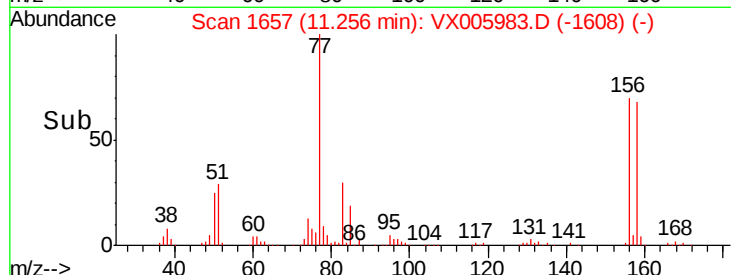
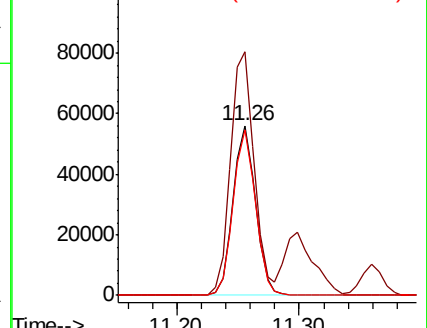
158 97.5 49.1 147.3



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: 55.294 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005983.D

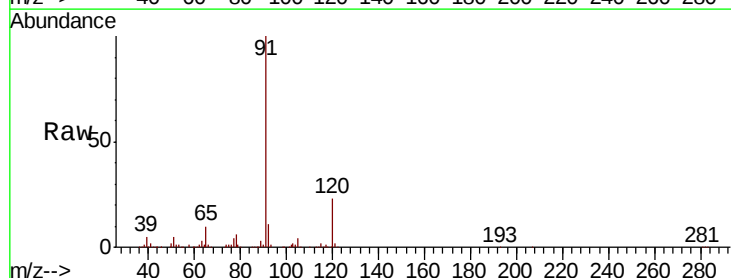
Acq: 14 Nov 2018 19:15

Tgt Ion: 91 Resp: 305656

Ion Ratio Lower Upper

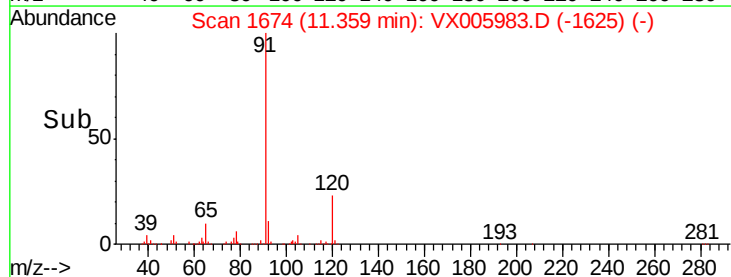
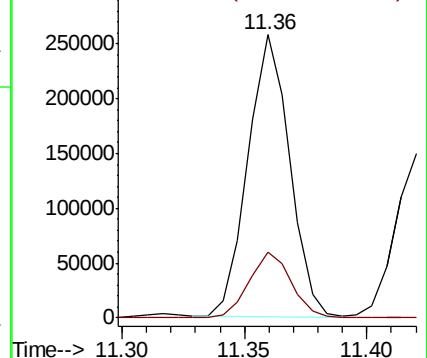
91 100

120 23.3 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: 55.311 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

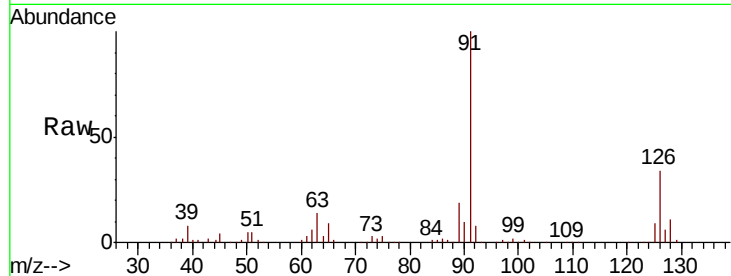
S36-0144MSD

Tot Ion: 91 Resp: 184807

Ion Ratio Lower Upper

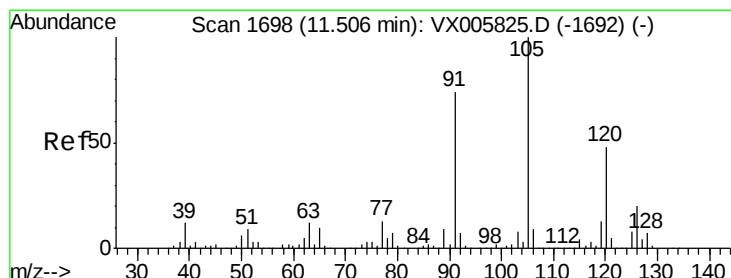
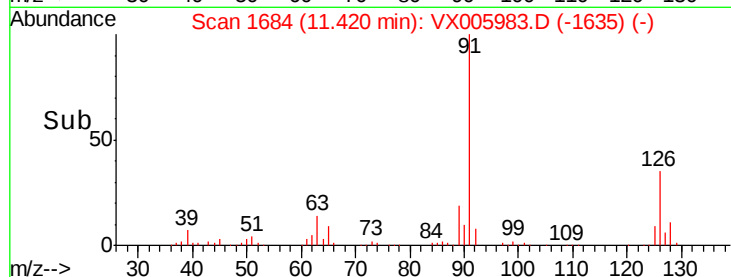
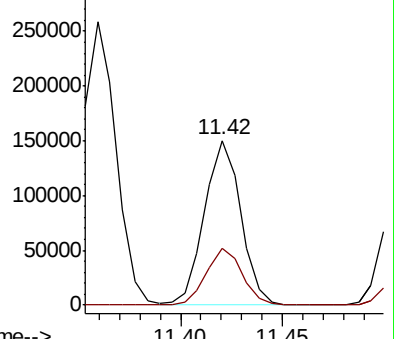
91 100

126 34.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.720 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005983.D

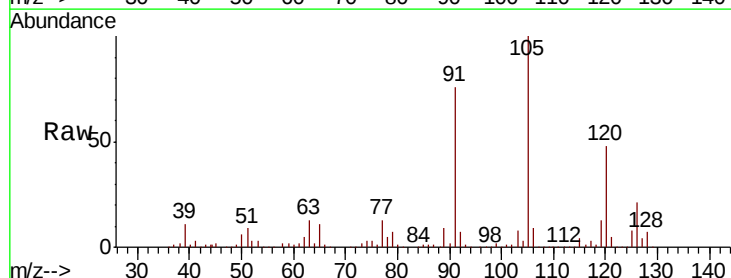
Acq: 14 Nov 2018 19:15

Tgt Ion: 105 Resp: 226079

Ion Ratio Lower Upper

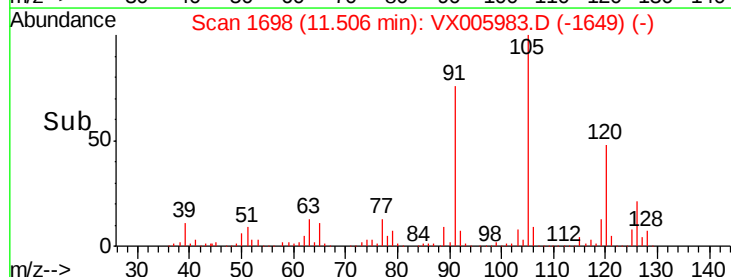
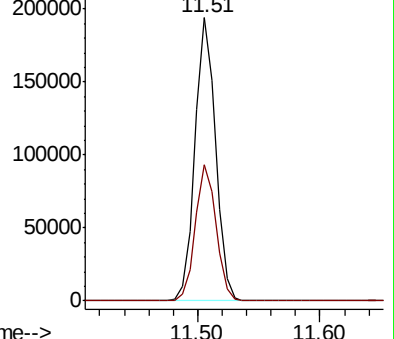
105 100

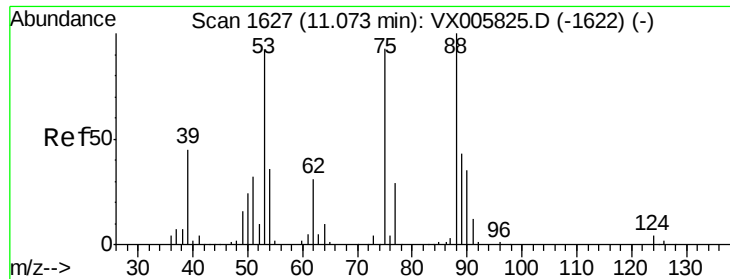
120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.267 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

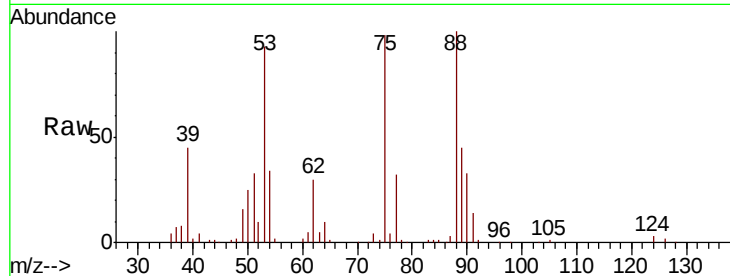
Tot Ion: 75 Resp: 23457

Ion Ratio Lower Upper

75 100

53 95.5 80.2 120.2

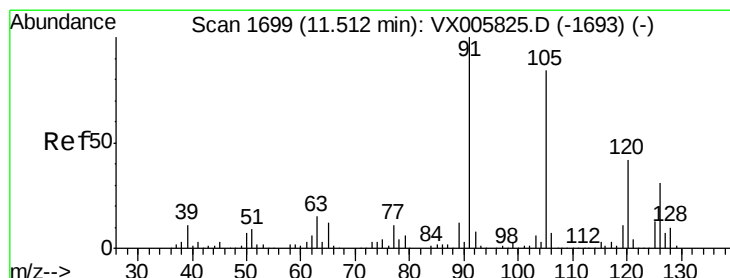
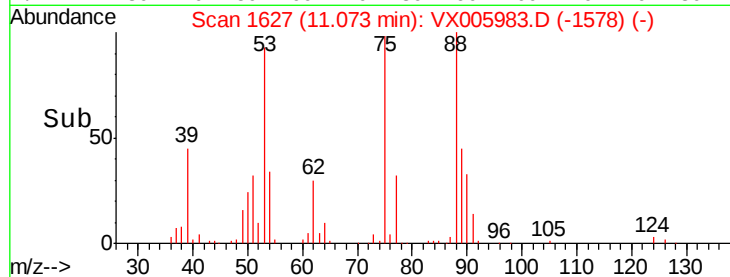
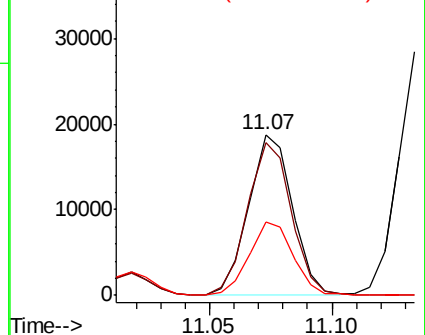
89 45.6 39.8 59.8



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: 54.937 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005983.D

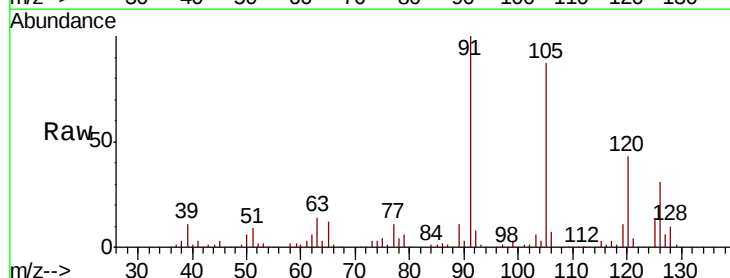
Acq: 14 Nov 2018 19:15

Tgt Ion: 91 Resp: 216326

Ion Ratio Lower Upper

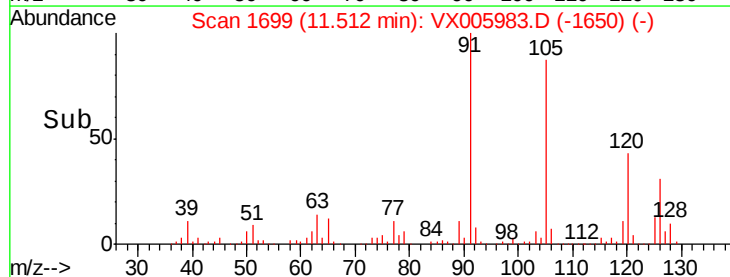
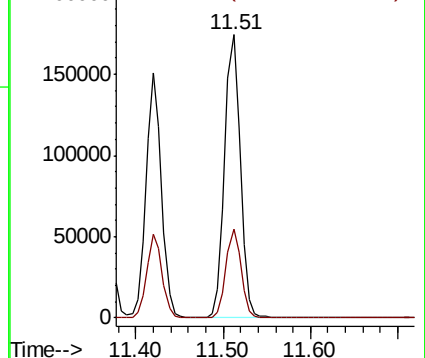
91 100

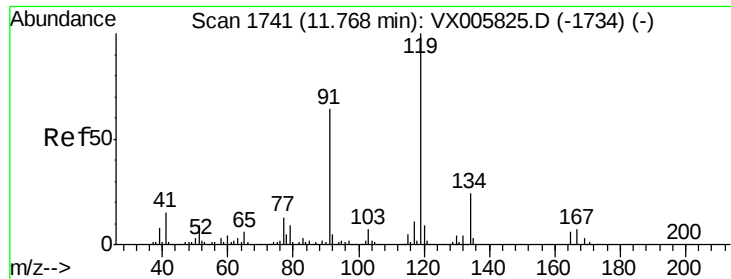
126 30.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

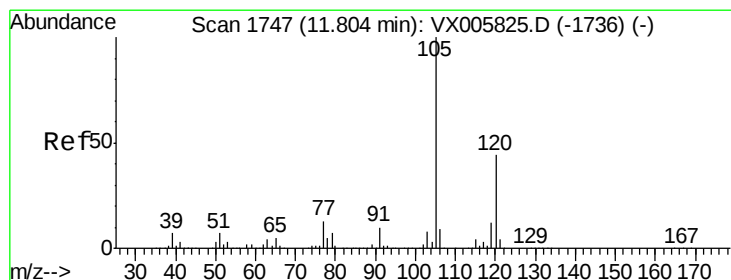
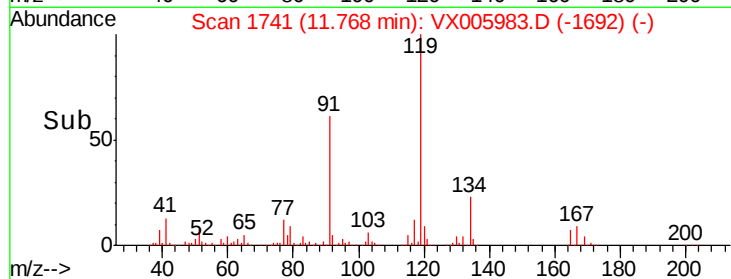
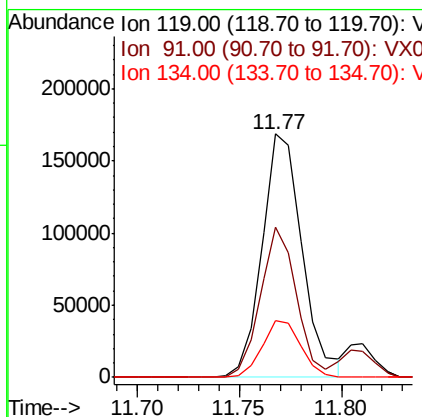
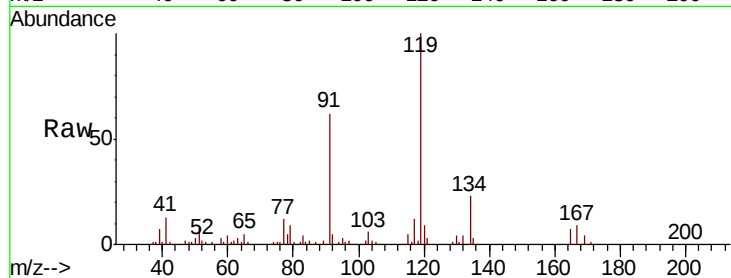




#83
 tert-Butylbenzene
 Concen: 57.201 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

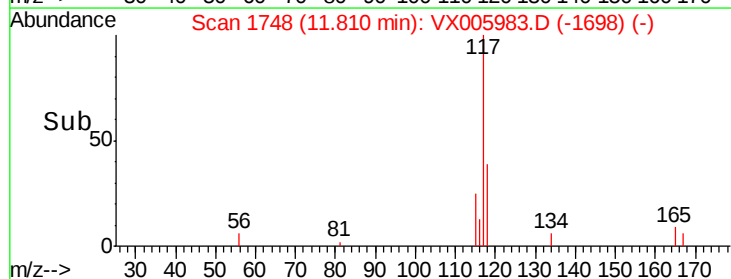
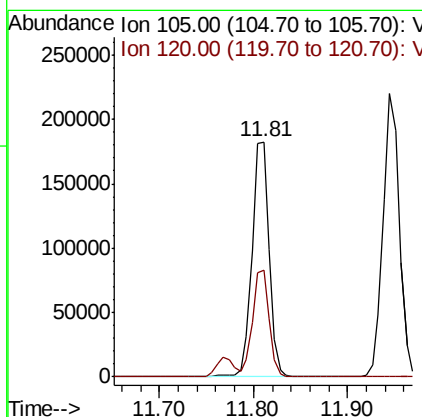
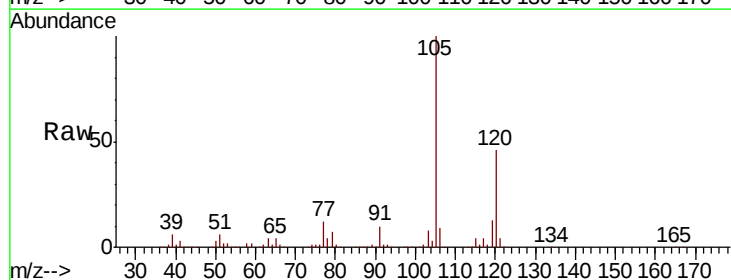
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tot Ion:119 Resp: 230657
 Ion Ratio Lower Upper
 119 100
 91 55.6 28.5 85.5
 134 22.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.980 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion:105 Resp: 233018
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.0





#85

sec-Butylbenzene

Concen: 54.018 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

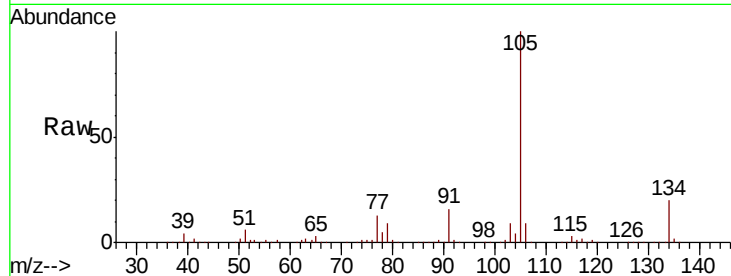
S36-0144MSD

Tot Ion:105 Resp: 266365

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

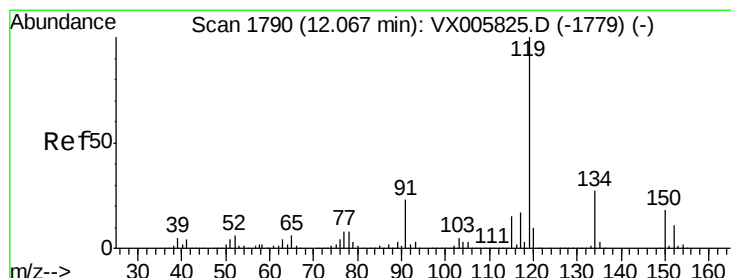
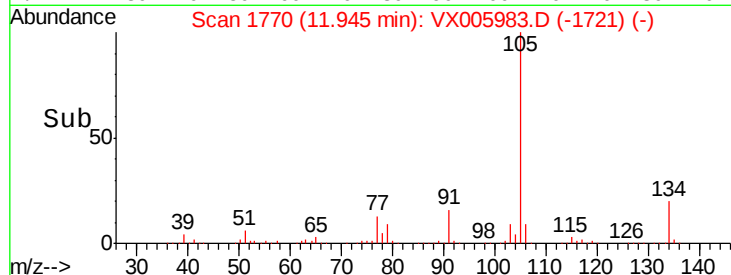
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.417 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

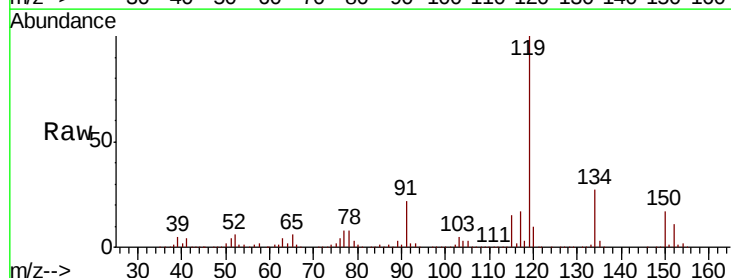
Tgt Ion:119 Resp: 237683

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 22.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

200000

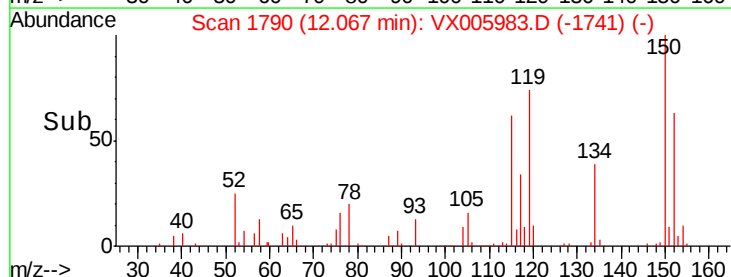
150000

100000

50000

0

Time-->

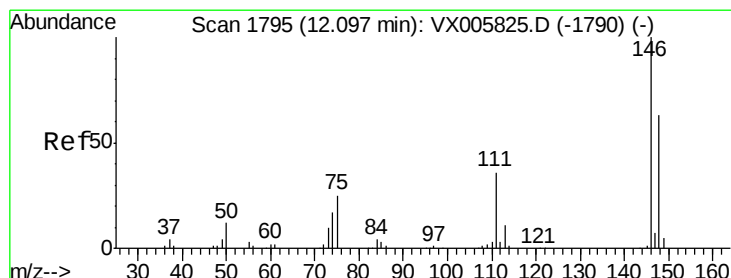
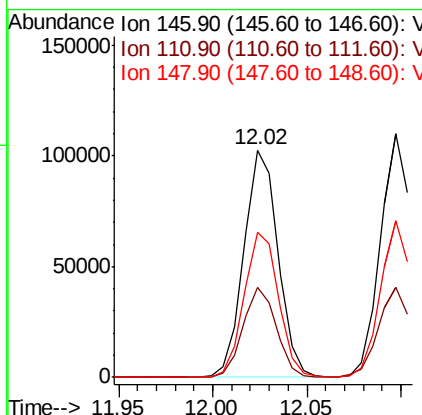
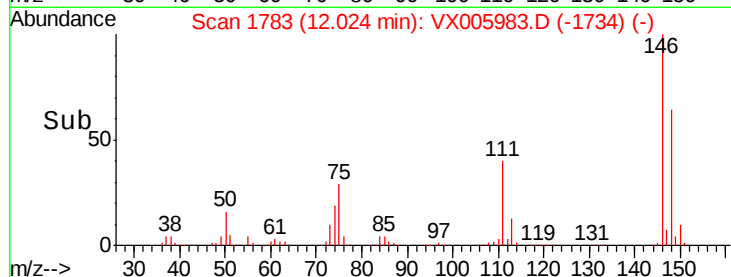
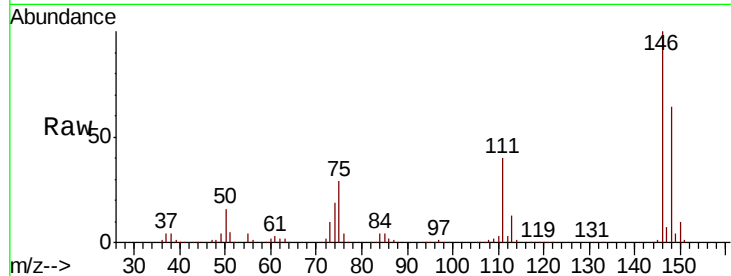




#87
 1,3-Dichlorobenzene
 Concen: 50.844 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

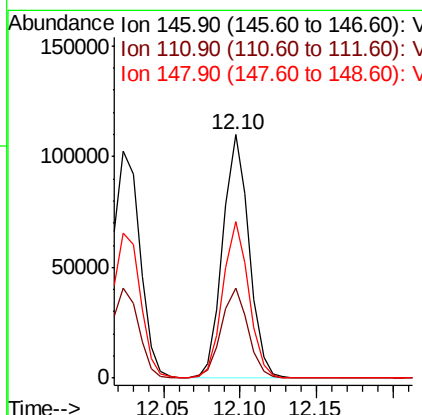
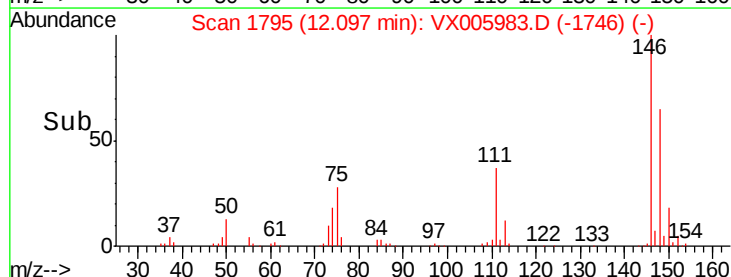
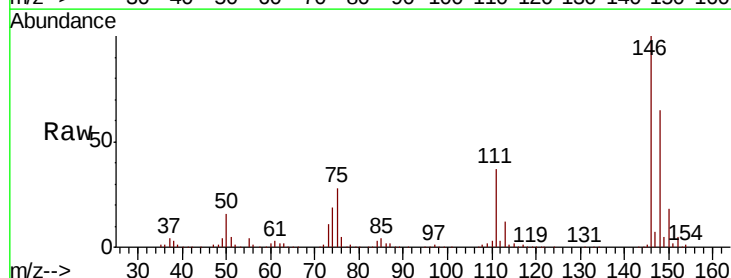
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0144MSD

Tot Ion:146 Resp: 129002
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.0 57.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.443 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion:146 Resp: 131017
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 64.0 32.1 96.3

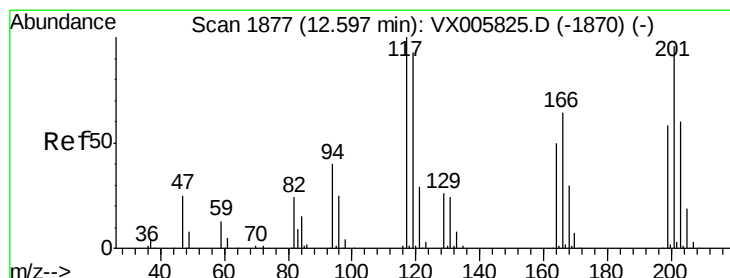
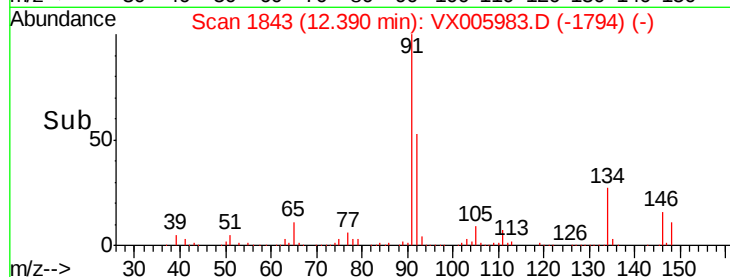
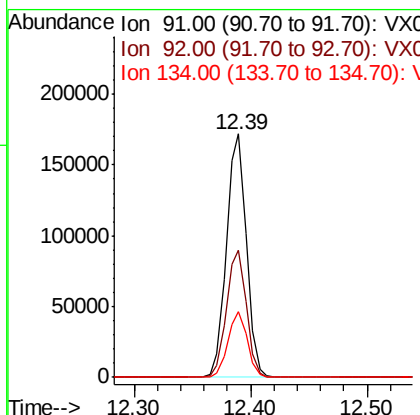
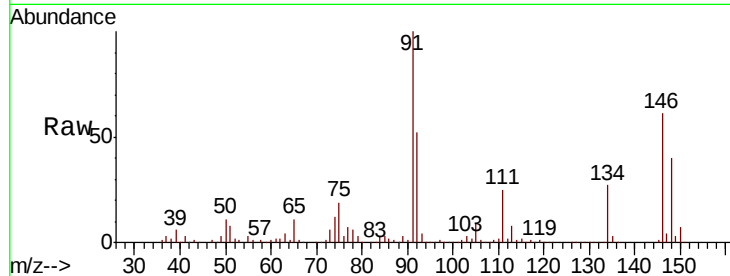




#89
n-Butylbenzene
Concen: 50.152 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

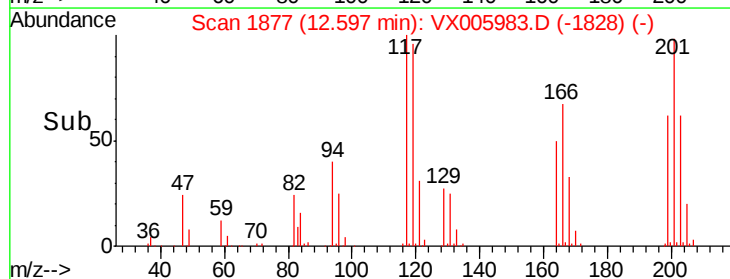
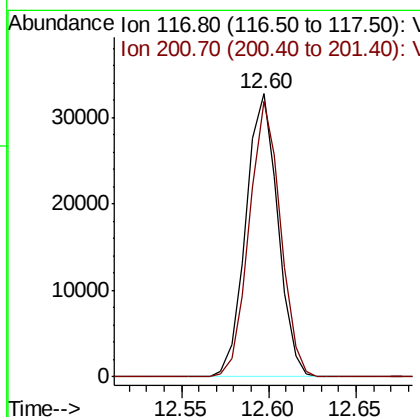
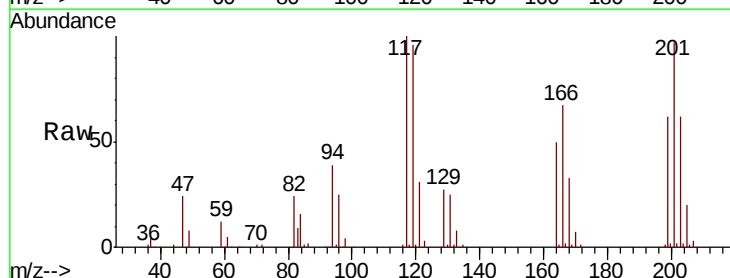
Instrument :
MSVOA_X
ClientSampled :
S36-0144MSD

Tot Ion: 91 Resp: 203021
Ion Ratio Lower Upper
91 100
92 52.5 26.1 78.2
134 26.3 13.1 39.3



#90
Hexachloroethane
Concen: 56.917 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 117 Resp: 41506
Ion Ratio Lower Upper
117 100
201 95.2 47.9 143.6





#91

1,2-Dichlorobenzene

Concen: 51.930 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampled :

S36-0144MSD

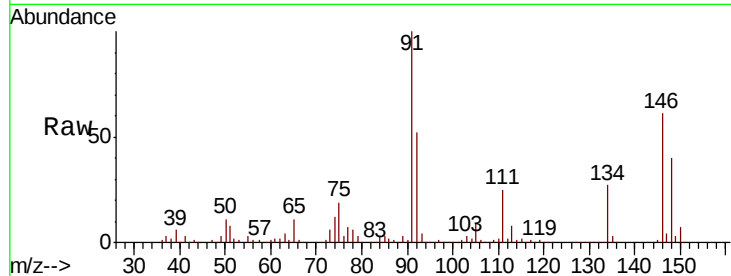
Tot Ion:146 Resp: 131991

Ion Ratio Lower Upper

146 100

111 39.8 20.0 59.9

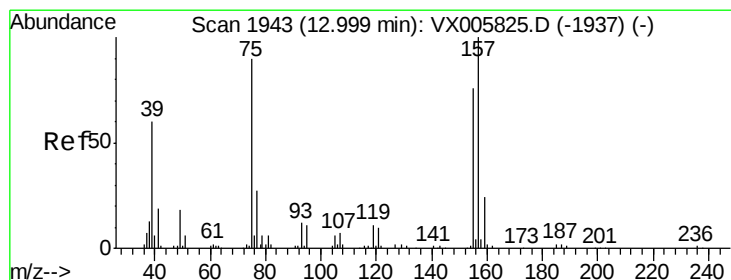
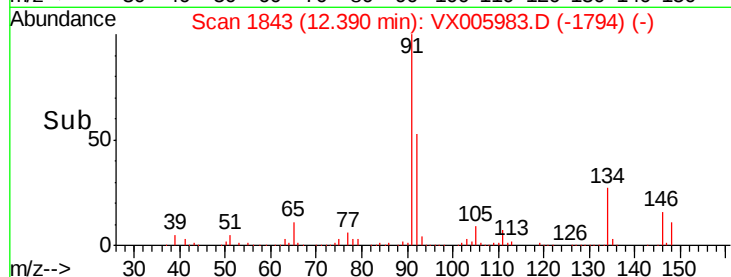
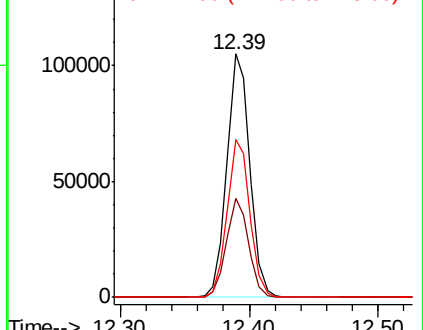
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.120 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

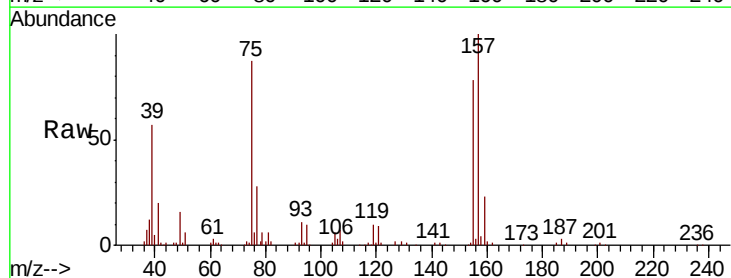
Tgt Ion: 75 Resp: 23577

Ion Ratio Lower Upper

75 100

155 94.4 45.4 136.1

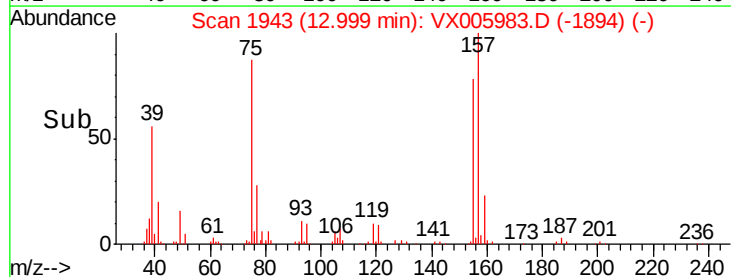
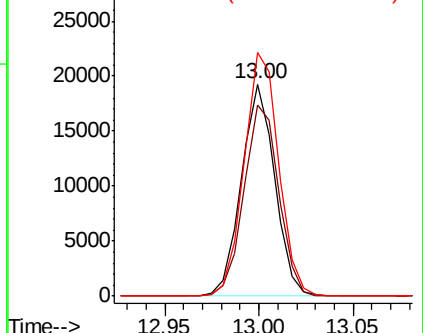
157 119.0 57.4 172.0

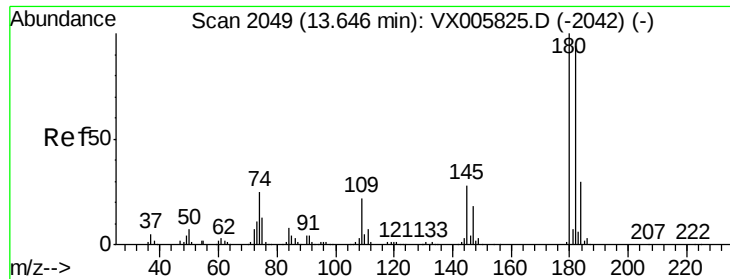


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

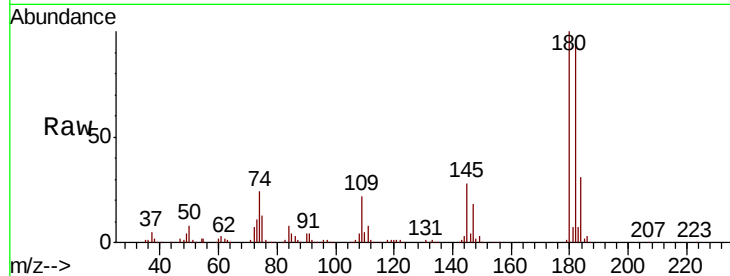




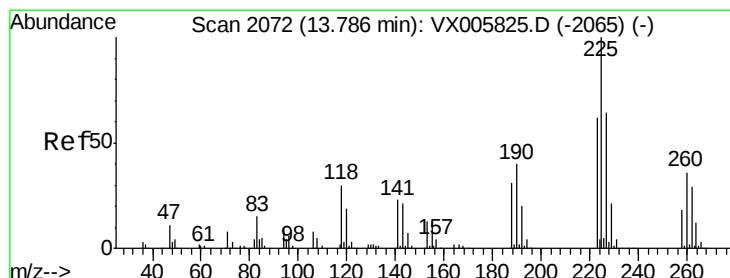
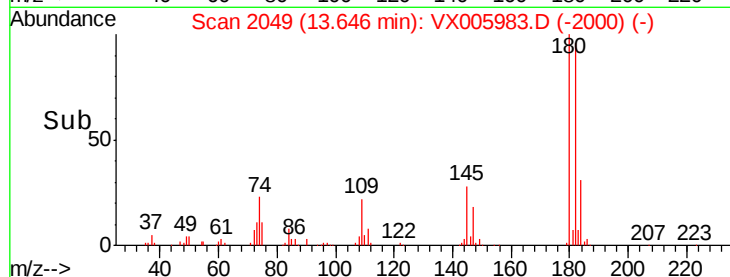
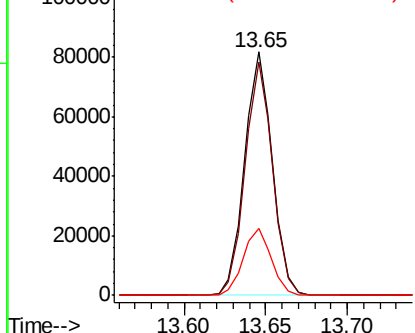
#93
 1,2,4-Trichlorobenzene
 Concen: 54.168 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tot Ion:180 Resp: 96922
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.6 142.8
 145 27.7 14.1 42.2

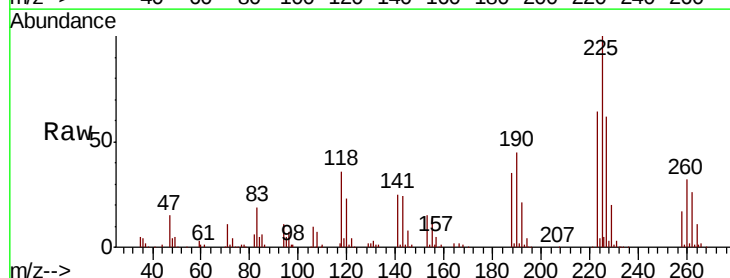


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

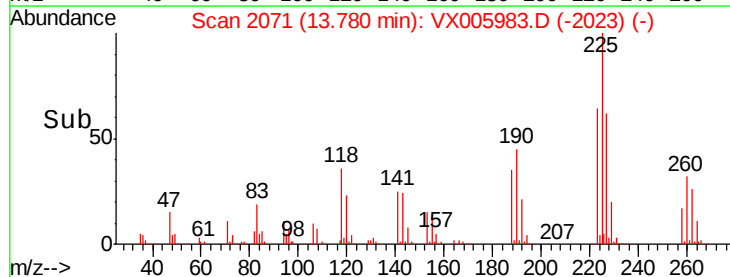
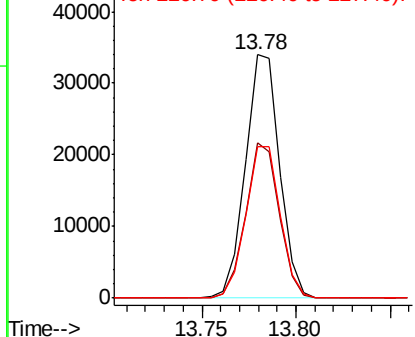


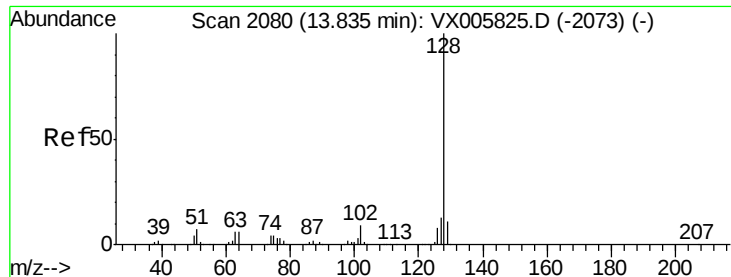
#94
 Hexachlorobutadiene
 Concen: 45.528 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion:225 Resp: 42792
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.7 95.1
 227 63.1 32.3 96.9



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





#95

Naphthalene

Concen: 54.110 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

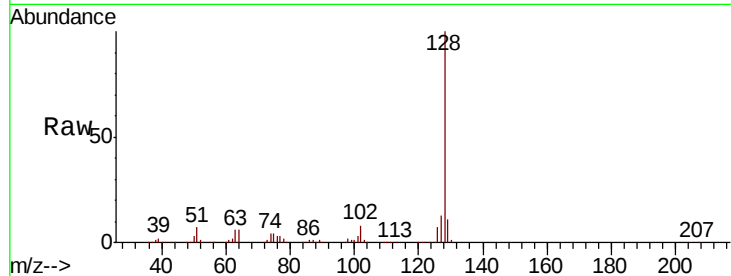
Tot Ion:128 Resp: 316328

Ion Ratio Lower Upper

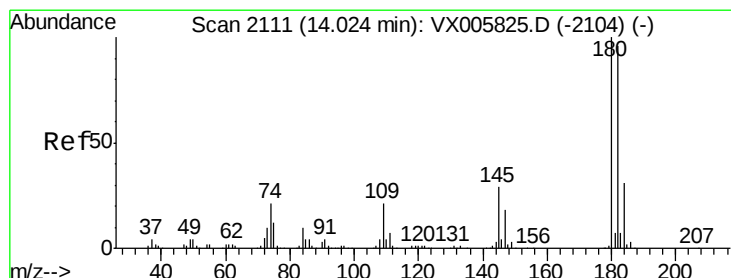
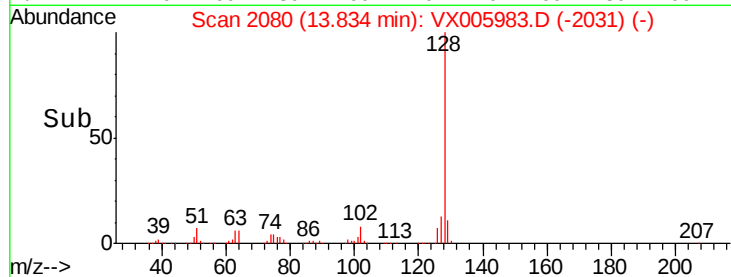
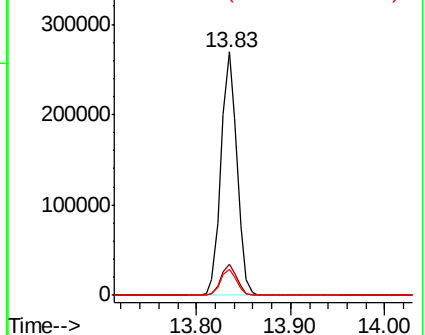
128 100

127 12.8 10.4 15.6

129 10.8 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 55.037 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

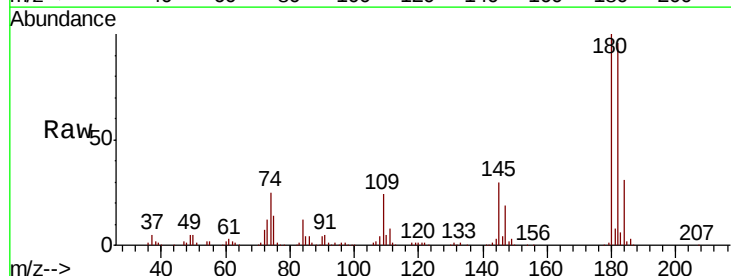
Tgt Ion:180 Resp: 100327

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.2

145 29.7 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

