

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009173.D
 Acq On : 25 Apr 2019 19:27
 Operator : JC/SP
 Sample : K2535-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Quant Time: Apr 26 04:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	187739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306250	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133965	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	131644	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.50	113	97094	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	388816	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	143467	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105488	48.783	ug/l	99
3) Chloromethane	1.32	50	127183	47.908	ug/l	99
4) Vinyl Chloride	1.40	62	123488	47.792	ug/l	99
5) Bromomethane	1.64	94	72799	45.378	ug/l	98
6) Chloroethane	1.71	64	74172	48.817	ug/l	100
7) Trichlorofluoromethane	1.92	101	144343	47.847	ug/l	100
8) Diethyl Ether	2.19	74	65472	47.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89425	46.362	ug/l	100
10) Methyl Iodide	2.51	142	101754	48.404	ug/l	99
11) Tert butyl alcohol	3.06	59	153192	260.845	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92076	45.734	ug/l	99
13) Acrolein	2.29	56	113990	224.636	ug/l	99
14) Allyl chloride	2.72	41	213778	48.670	ug/l	99
15) Acrylonitrile	3.14	53	385842	258.810	ug/l	100
16) Acetone	2.45	43	333626	243.161	ug/l	98
17) Carbon Disulfide	2.56	76	266363	45.148	ug/l	99
18) Methyl Acetate	2.78	43	151018	44.102	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	349777	48.759	ug/l	100
20) Methylene Chloride	2.85	84	110637	47.153	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	98034	45.652	ug/l	96
22) Diisopropyl ether	3.86	45	421232	49.353	ug/l #	87
23) Vinyl Acetate	3.82	43	1630603	217.335	ug/l	99
24) 1,1-Dichloroethane	3.70	63	203756	47.557	ug/l	100
25) 2-Butanone	4.68	43	571984	260.809	ug/l	99
26) 2,2-Dichloropropane	4.59	77	119611	37.243	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	114143	46.816	ug/l	98
28) Bromochloromethane	5.01	49	87520	49.146	ug/l	100
29) Tetrahydrofuran	5.13	42	378584	257.910	ug/l	99
30) Chloroform	5.21	83	186257	48.580	ug/l	100
31) Cyclohexane	5.58	56	200470	47.572	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	153565	48.327	ug/l	99
36) 1,1-Dichloropropene	5.80	75	142065	44.854	ug/l	99
37) Ethyl Acetate	4.84	43	185942	45.623	ug/l	99
38) Carbon Tetrachloride	5.78	117	129713	48.308	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185756	48.169	ug/l	99
40) Benzene	6.14	78	444629	47.586	ug/l	99
41) Methacrylonitrile	5.04	41	119827	51.228	ug/l	99
42) 1,2-Dichloroethane	6.19	62	158624	47.924	ug/l	99
43) Isopropyl Acetate	6.45	43	304247	46.324	ug/l	99
44) Trichloroethene	7.21	130	101514	44.341	ug/l	97
45) 1,2-Dichloropropane	7.51	63	127324	49.118	ug/l	98
46) Dibromomethane	7.66	93	71402	47.330	ug/l	100
47) Bromodichloromethane	7.90	83	144730	48.914	ug/l	100
48) Methyl methacrylate	7.77	41	165335	50.947	ug/l	99
49) 1,4-Dioxane	7.74	88	57734	950.504	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1128178	269.629	ug/l	99
52) Toluene	8.79	92	268299	47.912	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	160961	47.268	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	178391	46.785	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	109590	49.378	ug/l	98
56) Ethyl methacrylate	9.18	69	203580	51.156	ug/l	98
57) 1,3-Dichloropropane	9.37	76	193185	48.888	ug/l	100
59) 2-Hexanone	9.49	43	871912	270.283	ug/l	100
60) Dibromochloromethane	9.58	129	107863	50.709	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111166	48.531	ug/l	99
64) Tetrachloroethene	9.34	164	88259	41.858	ug/l	98
65) Chlorobenzene	10.14	112	273711	46.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	99981	48.444	ug/l	99
67) Ethyl Benzene	10.25	91	509767	47.600	ug/l	99
68) m/p-Xylenes	10.36	106	373814	96.044	ug/l	99
69) o-Xylene	10.70	106	183266	48.393	ug/l	99
70) Styrene	10.71	104	319782	48.727	ug/l	99
71) Bromoform	10.85	173	83041	50.504	ug/l #	100
73) Isopropylbenzene	11.02	105	487345	47.993	ug/l	100
74) N-amyl acetate	10.90	43	260781	44.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185003	49.863	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	216681	66.240	ug/l	80
77) Bromobenzene	11.26	156	120475	47.023	ug/l	99
78) n-propylbenzene	11.36	91	562578	48.269	ug/l	100
79) 2-Chlorotoluene	11.42	91	338704	48.226	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	411442	48.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58579	45.974	ug/l	97
82) 4-Chlorotoluene	11.51	91	387716	47.533	ug/l	100
83) tert-Butylbenzene	11.77	119	399639	48.849	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	414692	47.810	ug/l	100
85) sec-Butylbenzene	11.94	105	471202	48.292	ug/l	99
86) p-Isopropyltoluene	12.06	119	428710	47.790	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	210844	47.020	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	209272	46.038	ug/l	99
89) n-Butylbenzene	12.38	91	386243	46.232	ug/l	99
90) Hexachloroethane	12.60	117	73127	49.419	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	214764	48.502	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41871	49.566	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	147315	46.088	ug/l	99

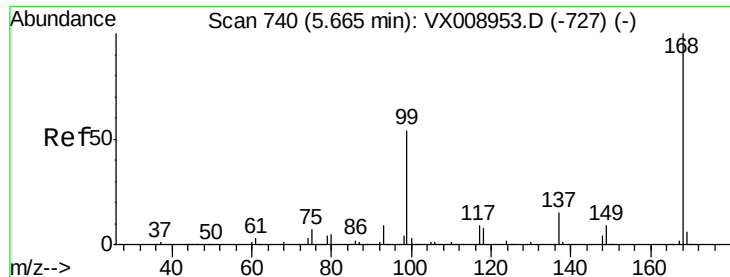
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	73499	46.104	ug/l	100
95) Naphthalene	13.83	128	499068	48.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	147925	46.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

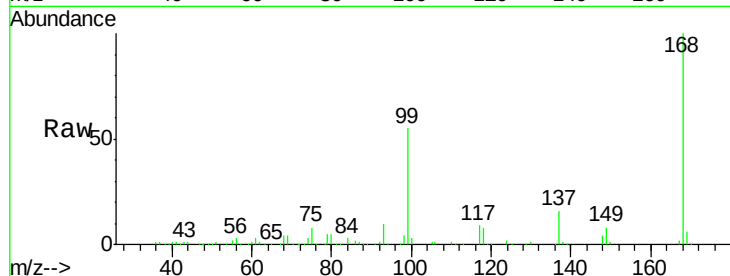
S37-0016MSD

Tot Ion:168 Resp: 187739

Ion Ratio Lower Upper

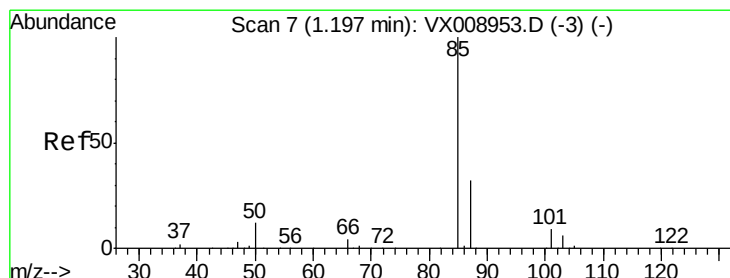
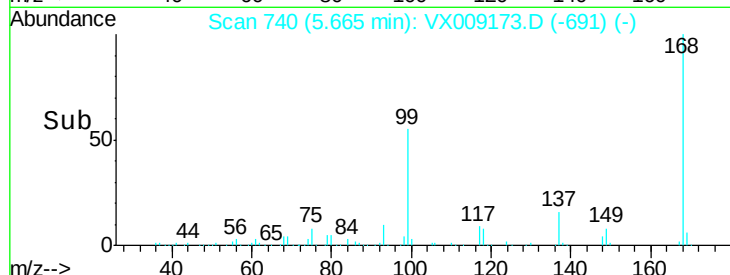
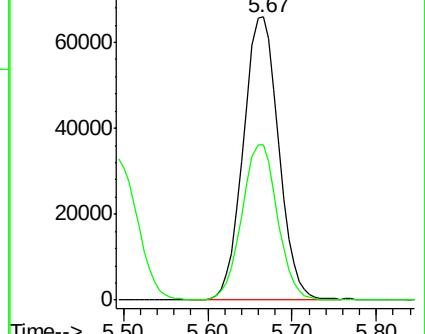
168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.783 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009173.D

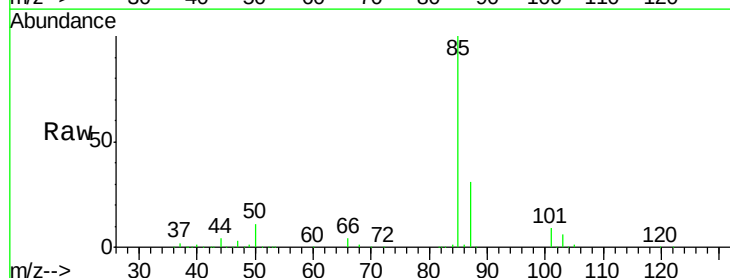
Acq: 25 Apr 2019 19:27

Tgt Ion: 85 Resp: 105488

Ion Ratio Lower Upper

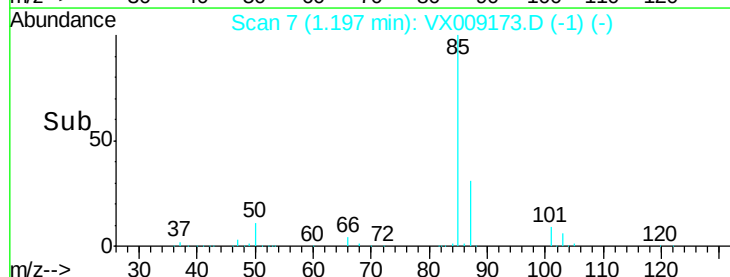
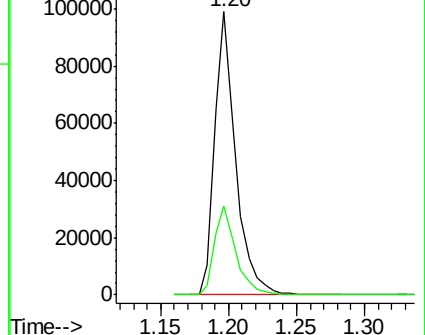
85 100

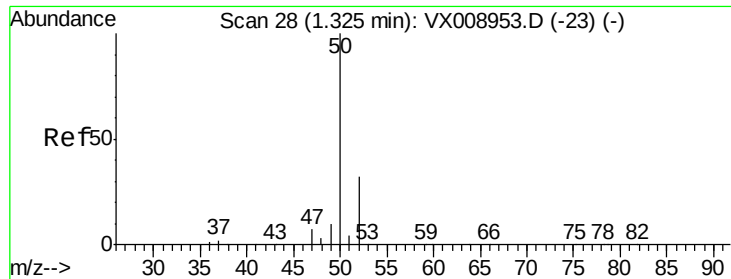
87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.908 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

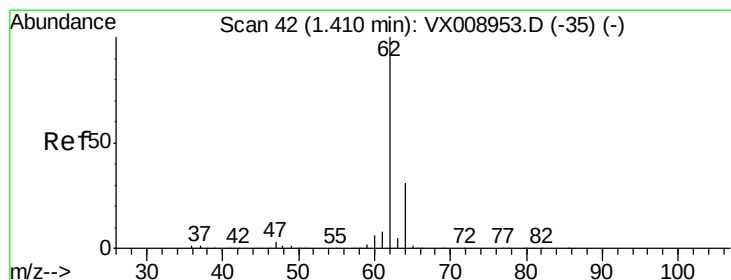
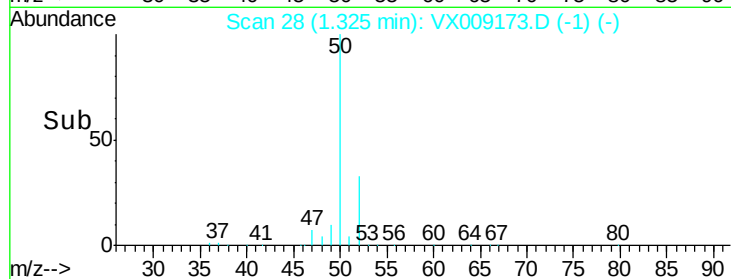
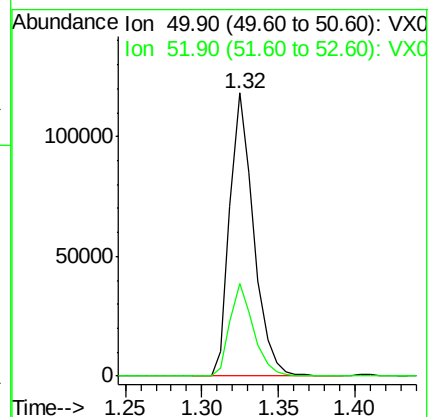
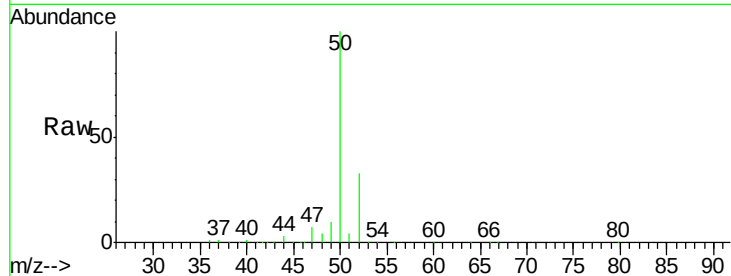
S37-0016MSD

Tot Ion: 50 Resp: 127183

Ion Ratio Lower Upper

50 100

52 32.6 25.5 38.3



#4

Vinyl Chloride

Concen: 47.792 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009173.D

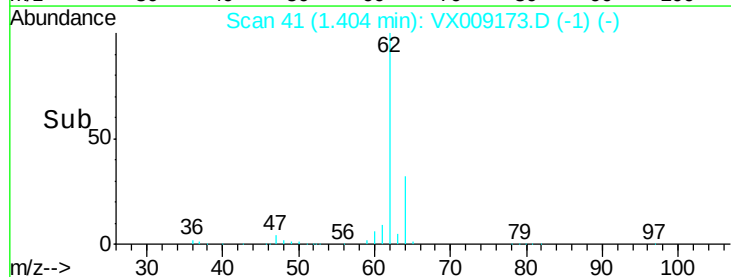
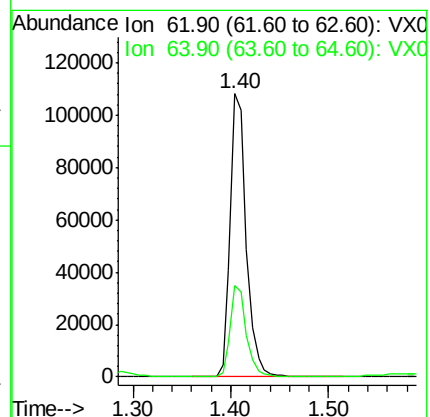
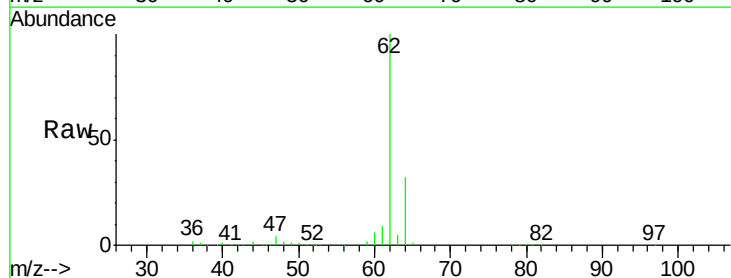
Acq: 25 Apr 2019 19:27

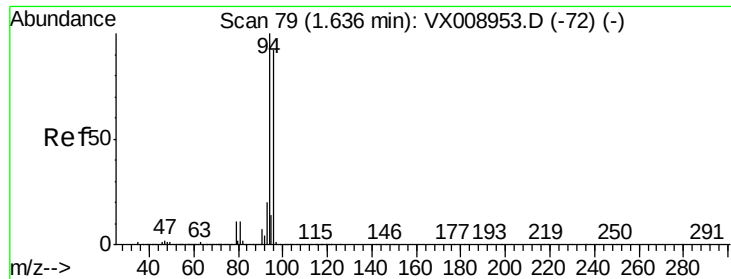
Tgt Ion: 62 Resp: 123488

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 45.378 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

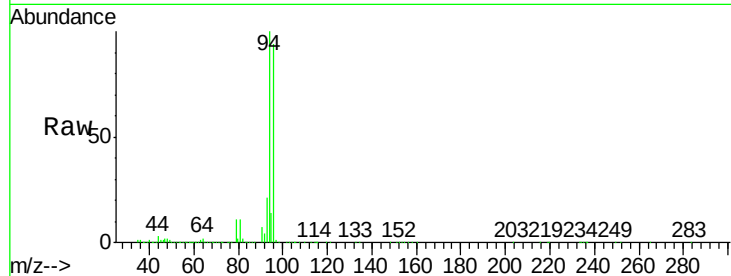
S37-0016MSD

Tot Ion: 94 Resp: 72799

Ion Ratio Lower Upper

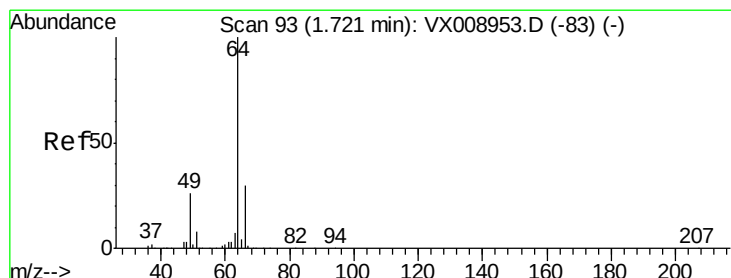
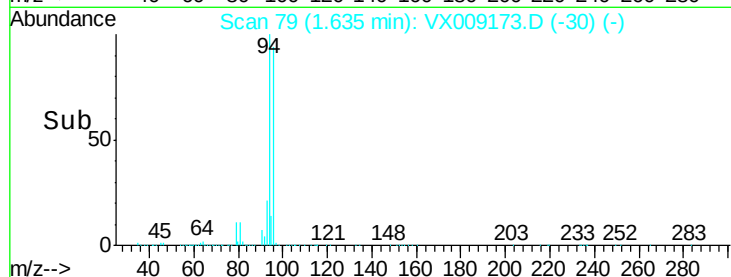
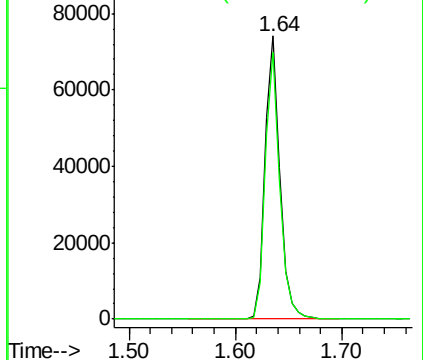
94 100

96 94.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.817 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009173.D

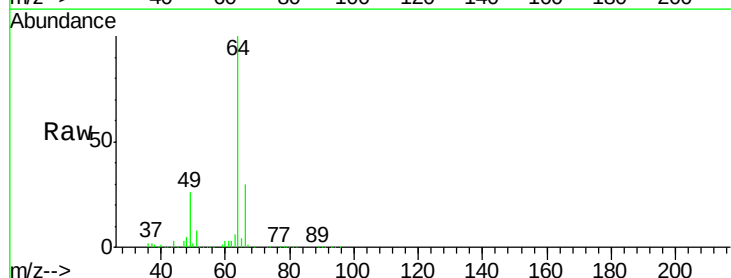
Acq: 25 Apr 2019 19:27

Tgt Ion: 64 Resp: 74172

Ion Ratio Lower Upper

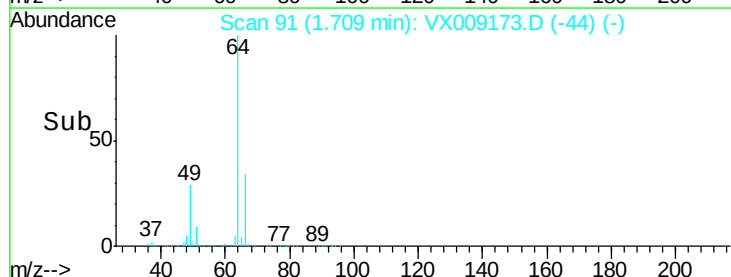
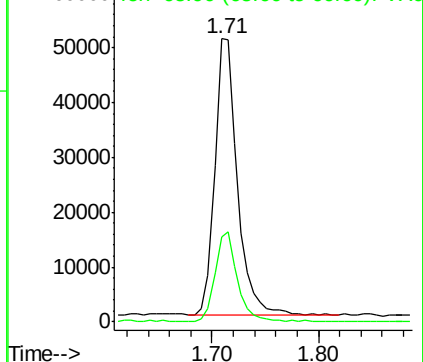
64 100

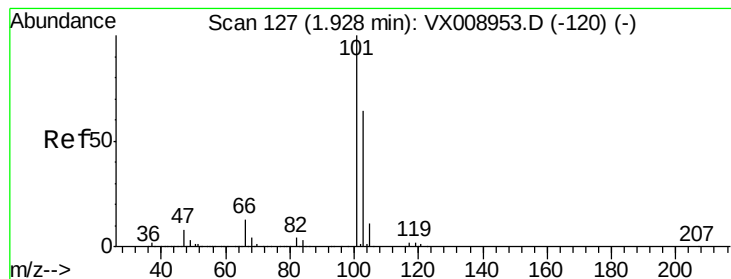
66 30.3 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



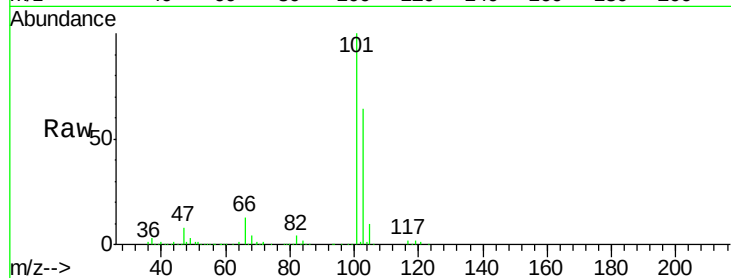


#7

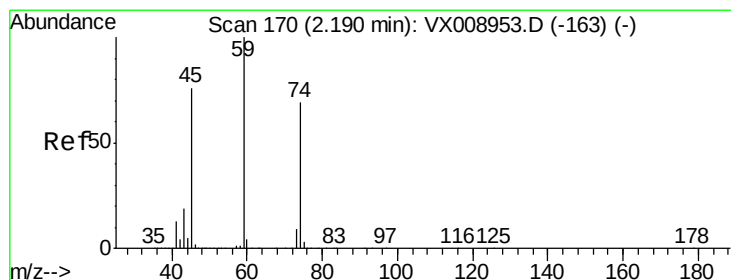
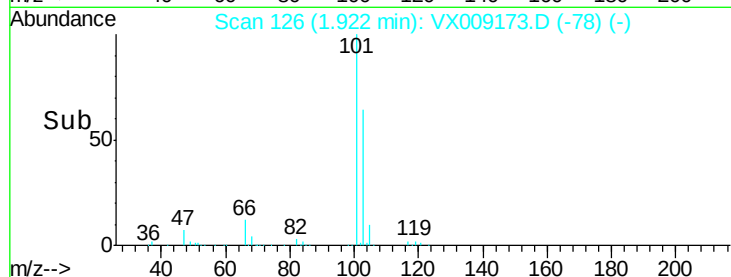
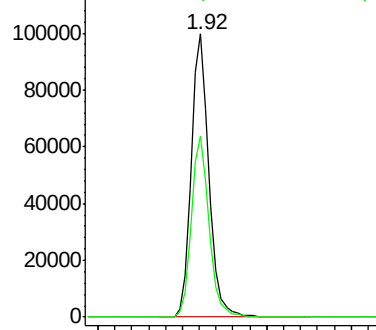
Trichlorofluoromethane
Concen: 47.847 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion:101 Resp: 144343
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6



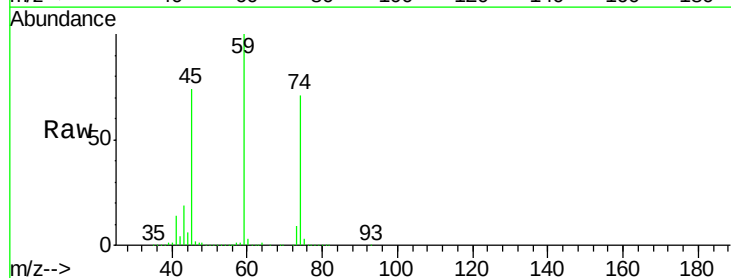
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



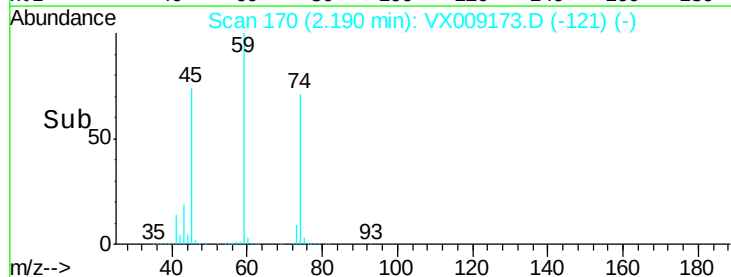
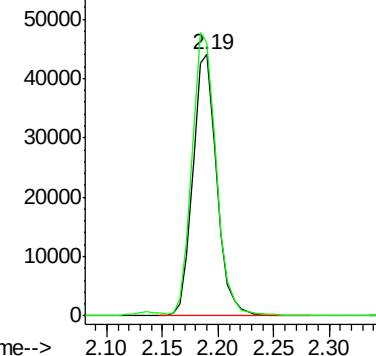
#8

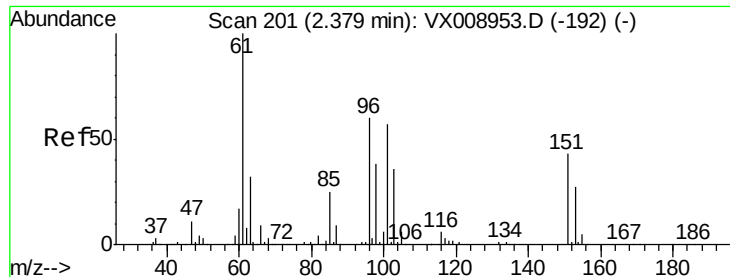
Diethyl Ether
Concen: 47.455 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 74 Resp: 65472
Ion Ratio Lower Upper
74 100
45 109.1 54.9 164.8



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.362 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

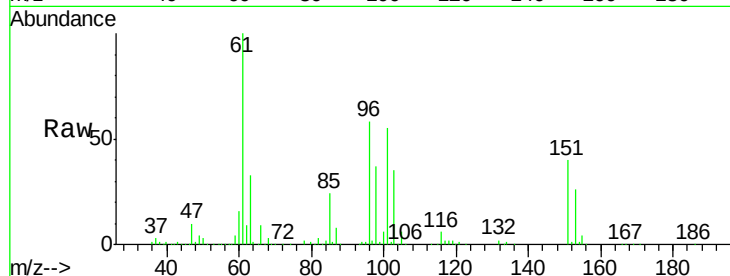
Tot Ion:101 Resp: 89425

Ion Ratio Lower Upper

101 100

85 44.7 35.7 53.5

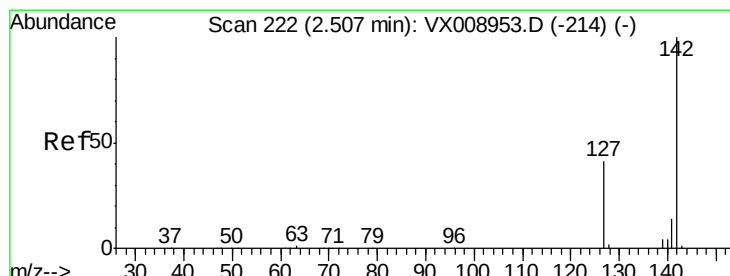
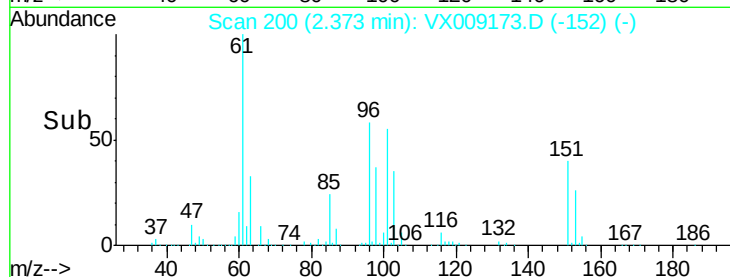
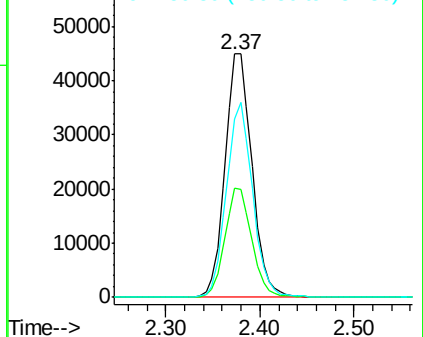
151 77.9 62.7 94.1



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: 48.404 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

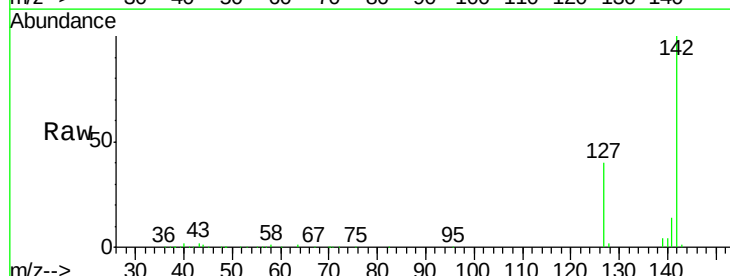
Tgt Ion:142 Resp: 101754

Ion Ratio Lower Upper

142 100

127 41.5 32.8 49.2

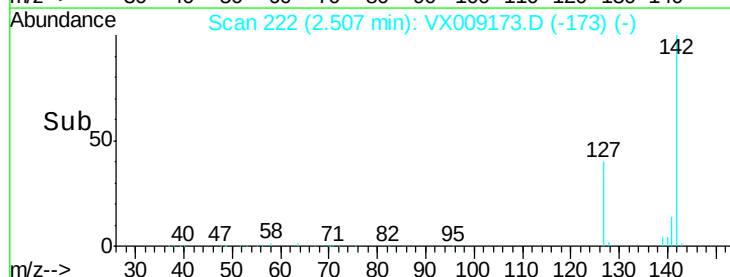
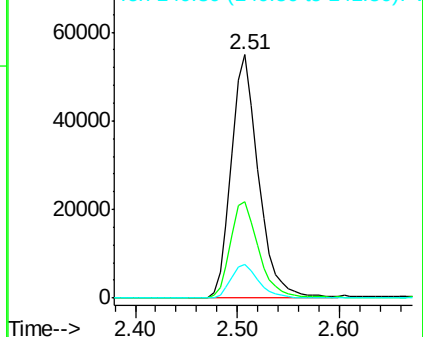
141 14.2 11.4 17.2

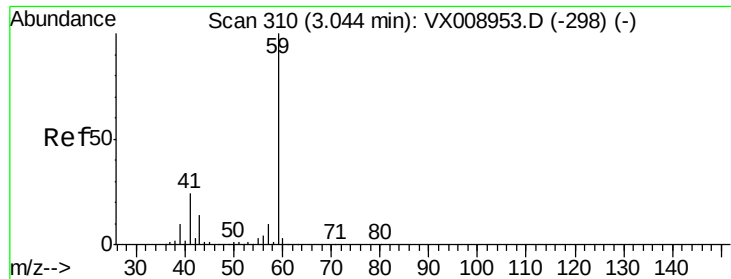


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

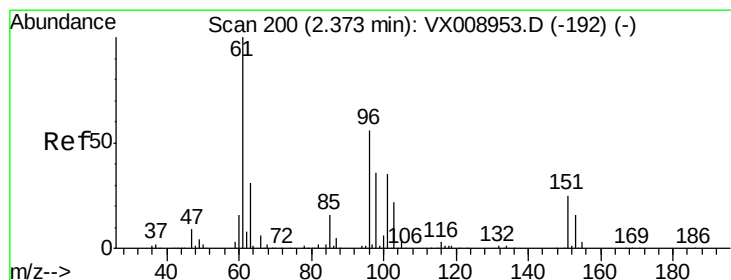
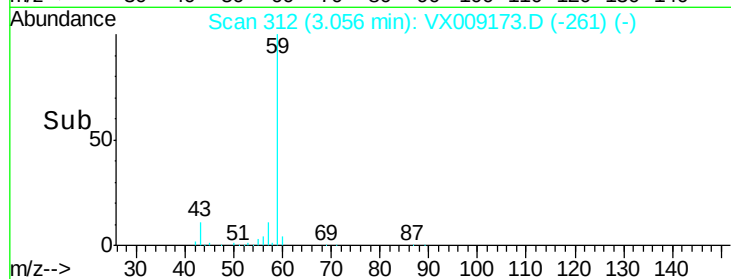
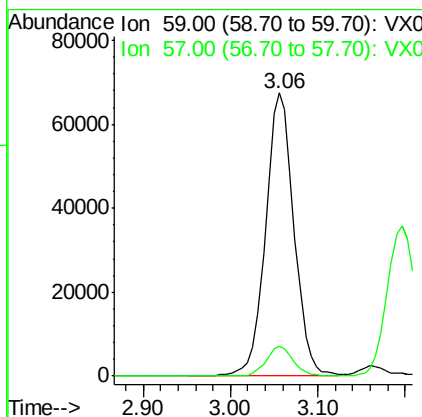
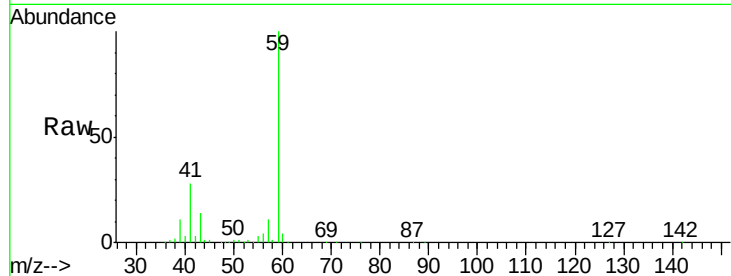




#11
Tert butyl alcohol
Concen: 260.845 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

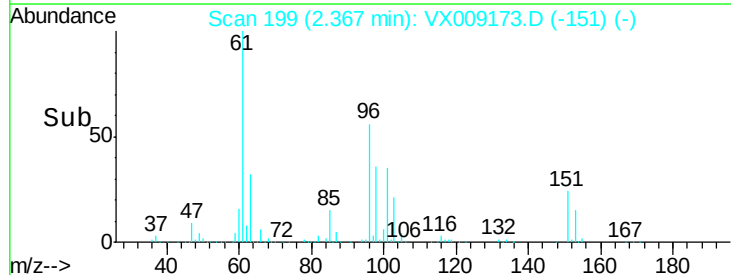
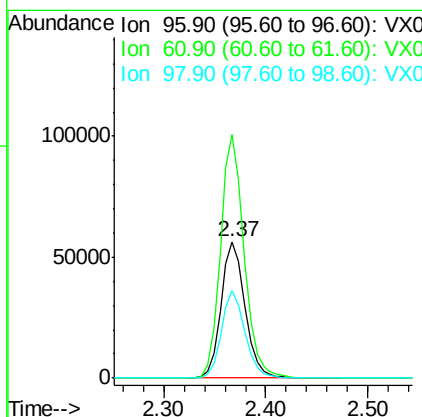
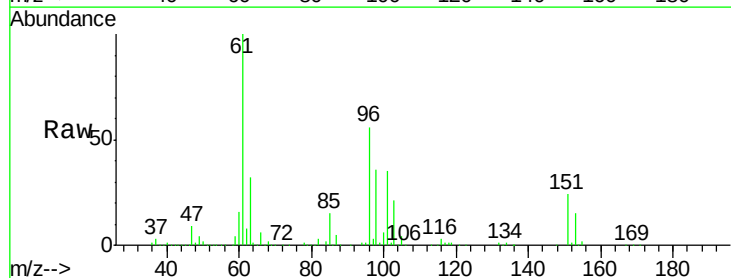
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

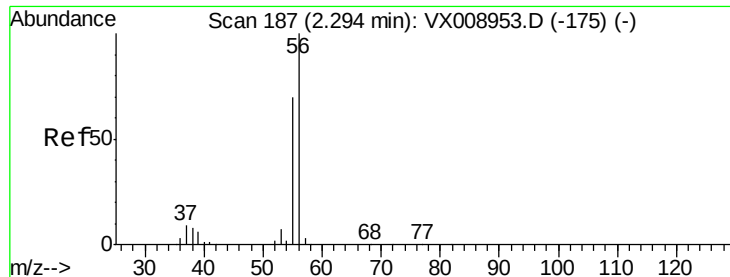
Tot Ion: 59 Resp: 153192
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6



#12
1,1-Dichloroethene
Concen: 45.734 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 96 Resp: 92076
Ion Ratio Lower Upper
96 100
61 178.3 142.2 213.2
98 64.2 50.9 76.3





#13

Acrolein

Concen: 224.636 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

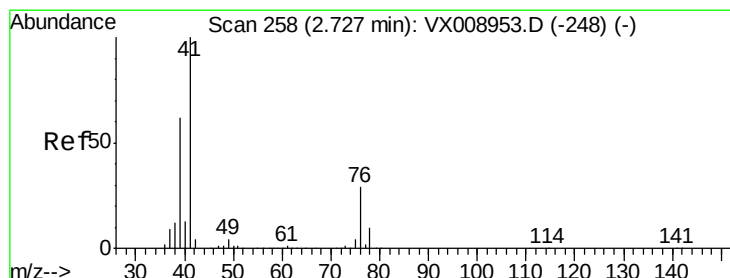
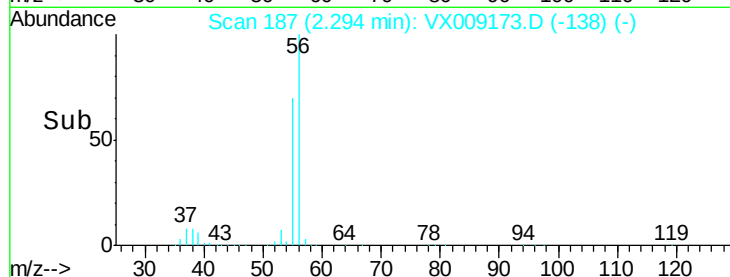
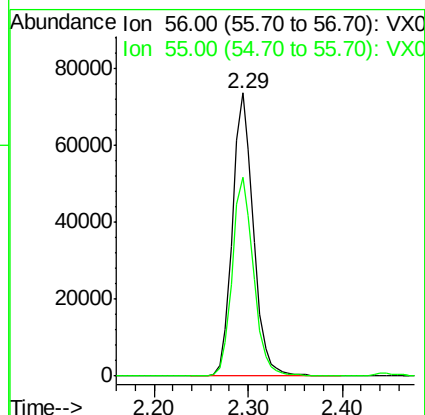
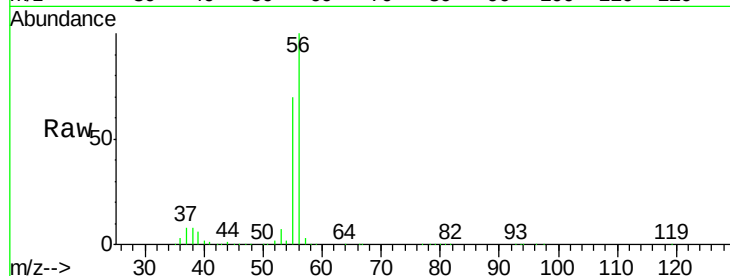
S37-0016MSD

Tot Ion: 56 Resp: 113990

Ion Ratio Lower Upper

56 100

55 71.3 56.6 84.8



#14

Allyl chloride

Concen: 48.670 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

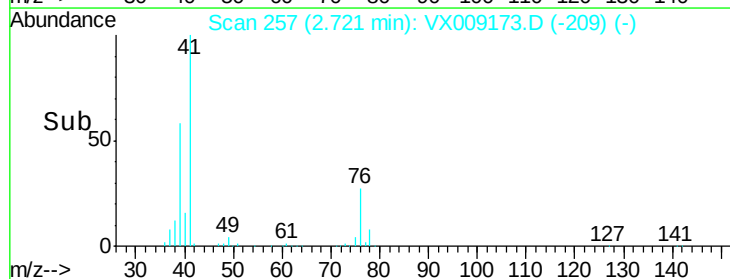
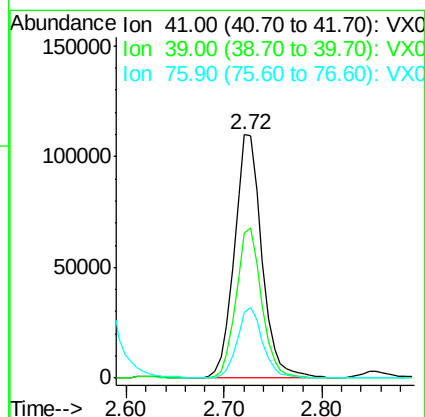
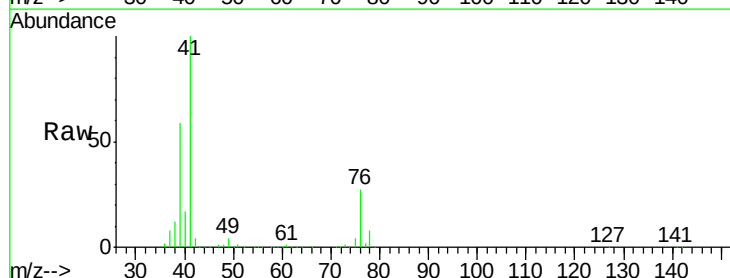
Tgt Ion: 41 Resp: 213778

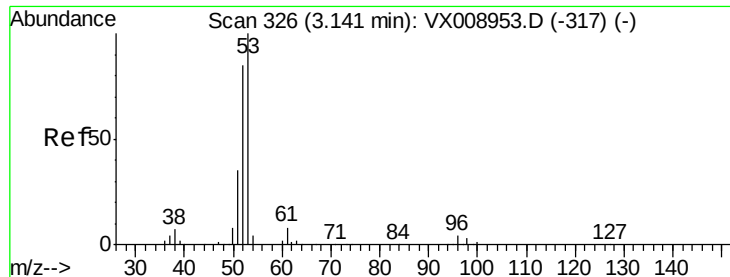
Ion Ratio Lower Upper

41 100

39 57.5 46.7 70.1

76 26.6 22.0 33.0





#15

Acrylonitrile

Concen: 258.810 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

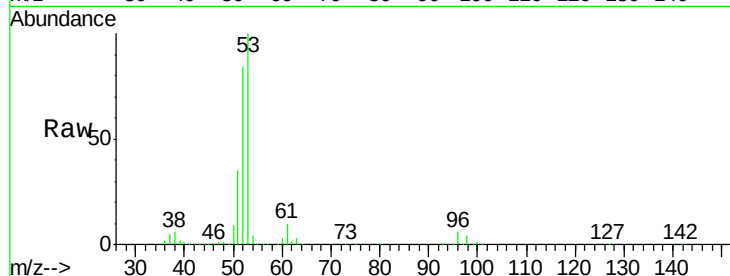
Tot Ion: 53 Resp: 385842

Ion Ratio Lower Upper

53 100

52 83.2 66.6 100.0

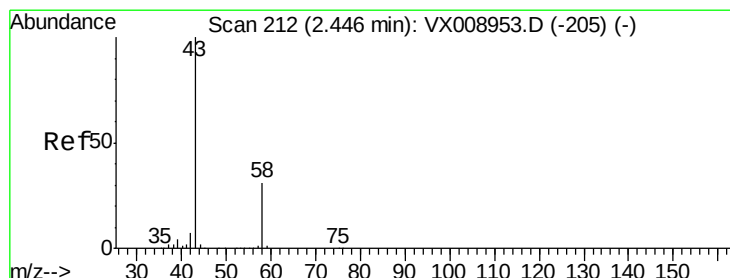
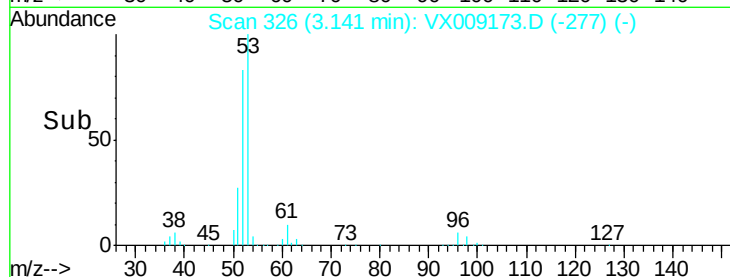
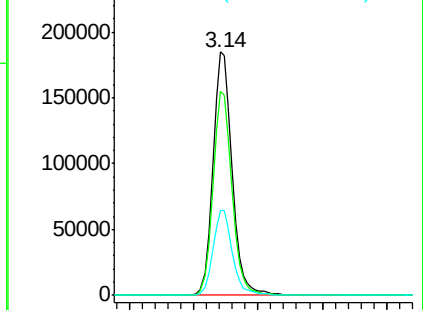
51 35.4 28.3 42.5



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: 243.161 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009173.D

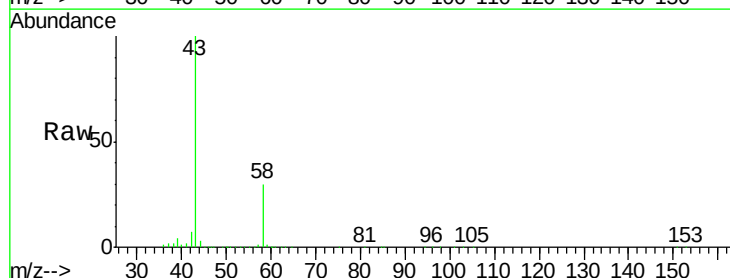
Acq: 25 Apr 2019 19:27

Tgt Ion: 43 Resp: 333626

Ion Ratio Lower Upper

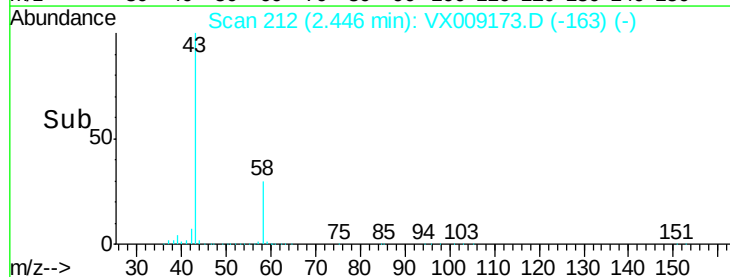
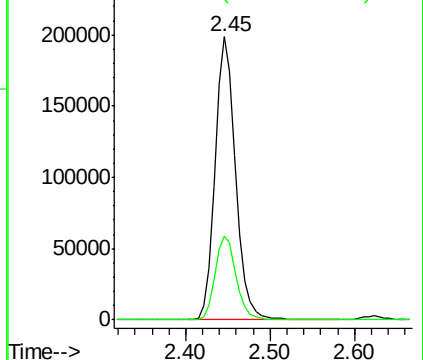
43 100

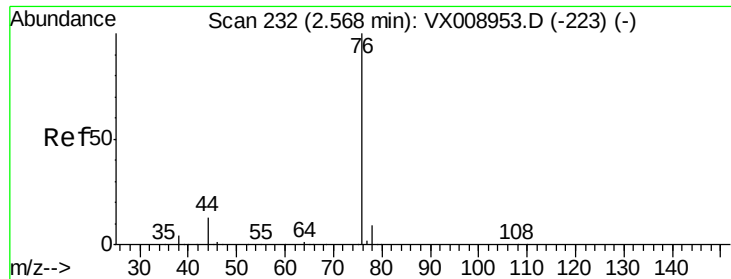
58 29.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 45.148 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

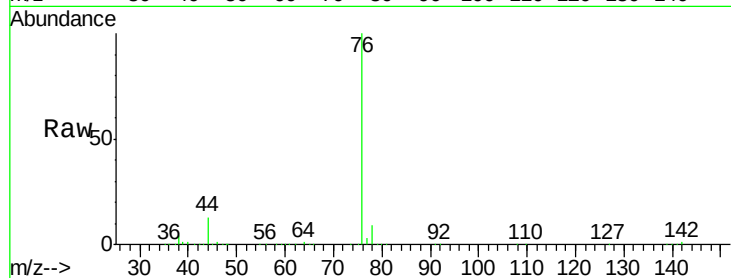
S37-0016MSD

Tot Ion: 76 Resp: 266363

Ion Ratio Lower Upper

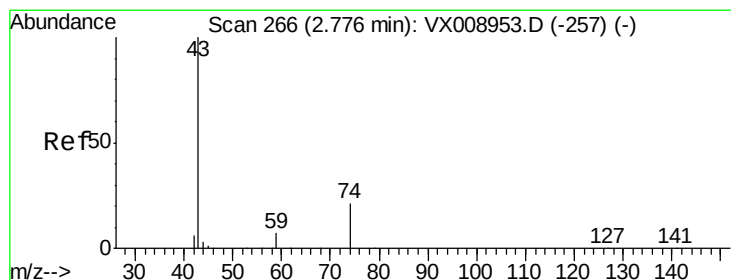
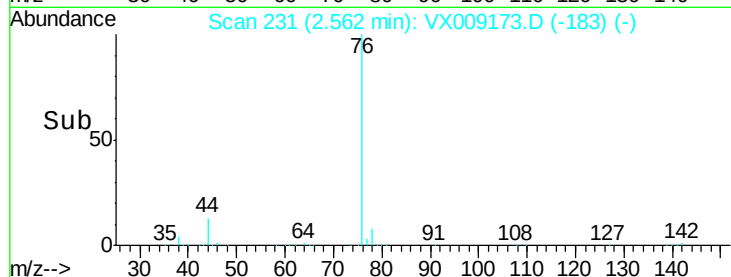
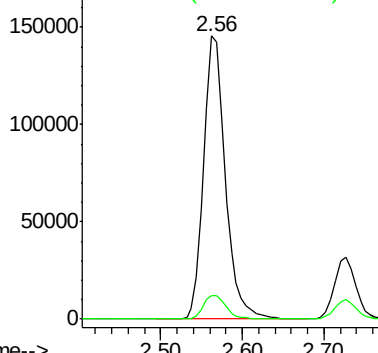
76 100

78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.102 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009173.D

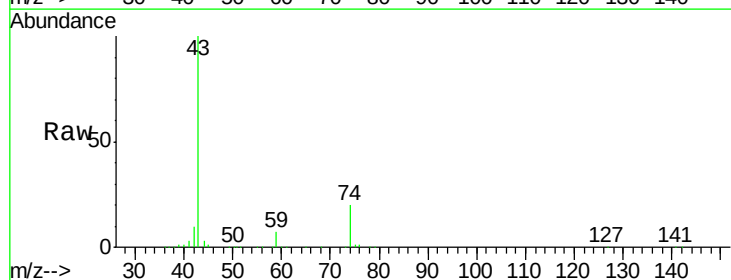
Acq: 25 Apr 2019 19:27

Tgt Ion: 43 Resp: 151018

Ion Ratio Lower Upper

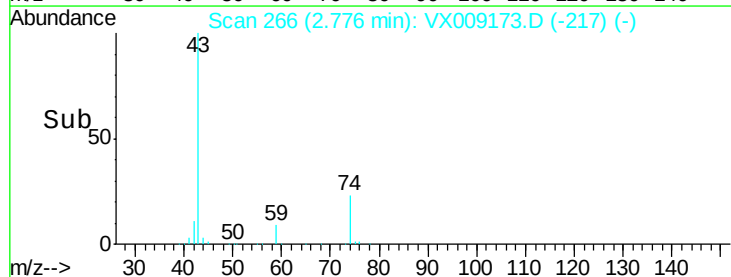
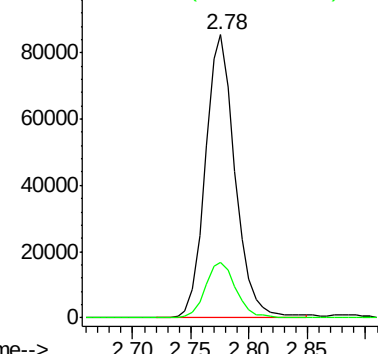
43 100

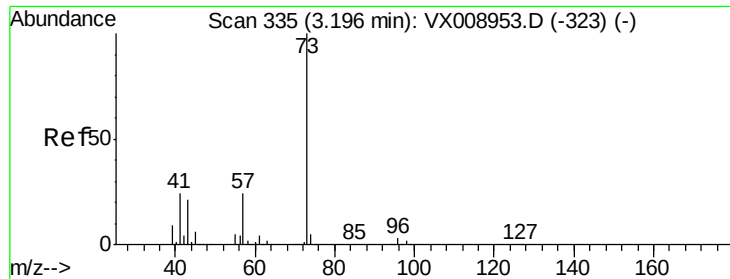
74 20.6 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

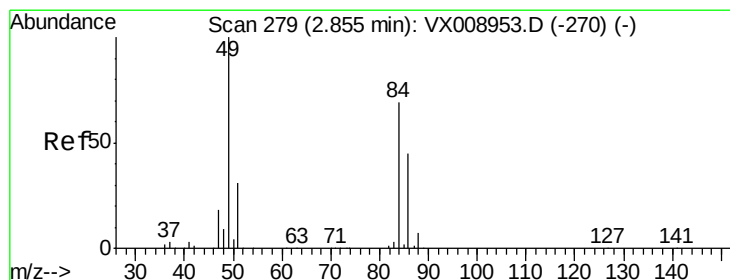
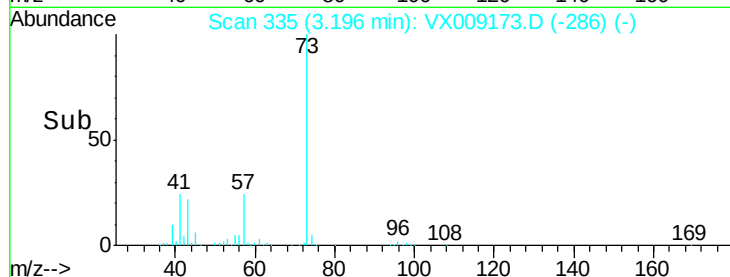
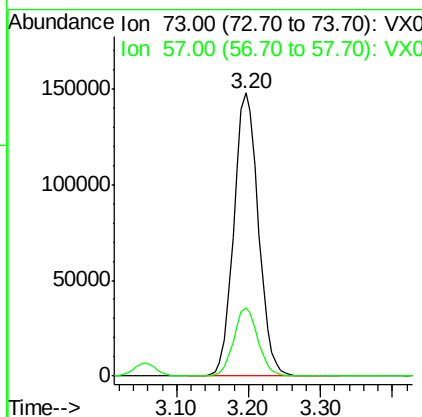
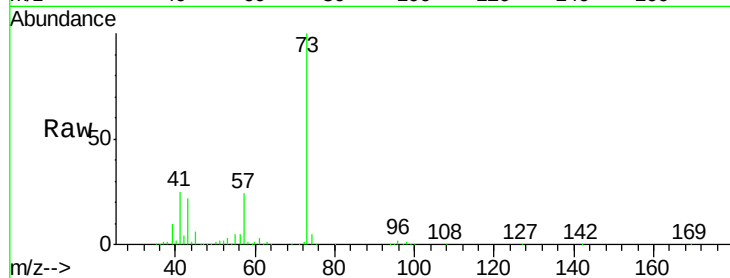




#19
Methvl tert-butvl Ether
Concen: 48.759 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

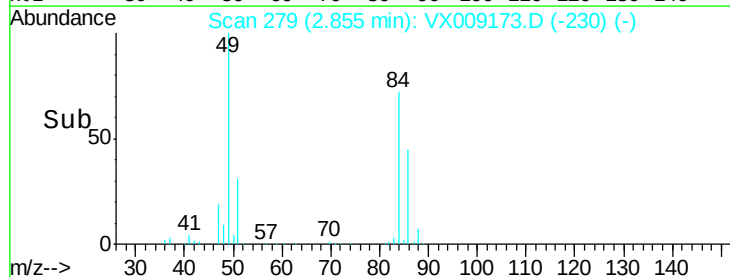
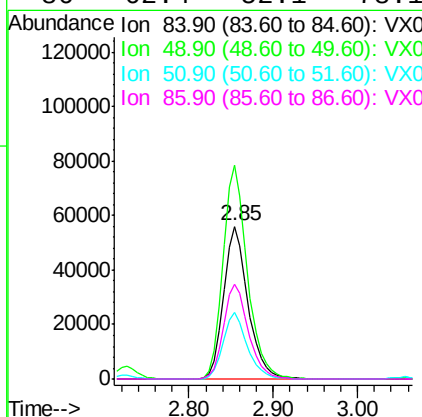
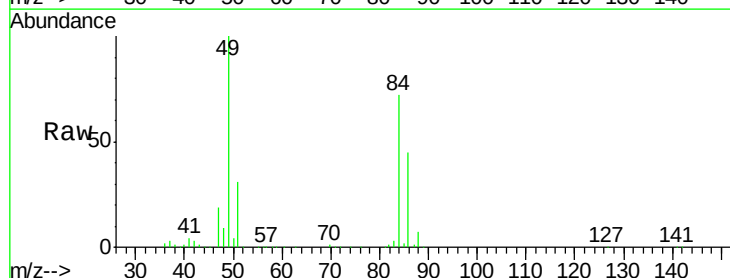
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

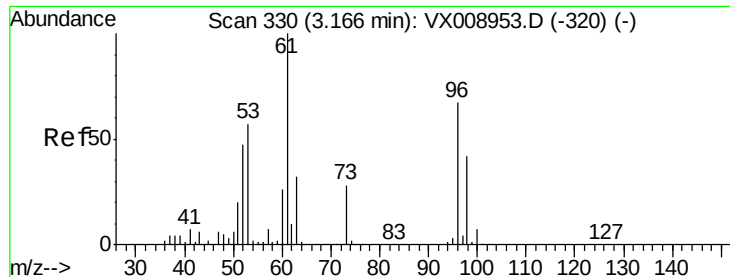
Tot Ion: 73 Resp: 349777
Ion Ratio Lower Upper
73 100
57 24.2 19.2 28.8



#20
Methylene Chloride
Concen: 47.153 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 84 Resp: 110637
Ion Ratio Lower Upper
84 100
49 139.8 115.4 173.0
51 43.7 35.8 53.6
86 62.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 45.652 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

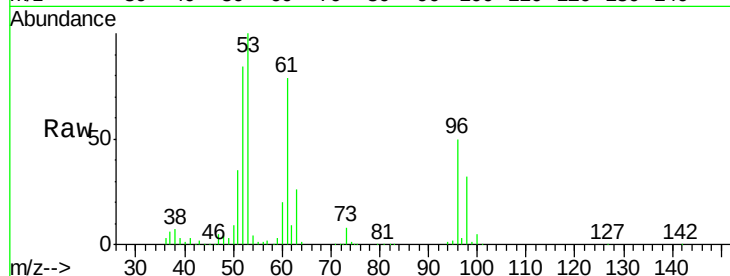
Tot Ion: 96 Resp: 98034

Ion Ratio Lower Upper

96 100

61 156.6 120.3 180.5

98 63.0 50.2 75.2

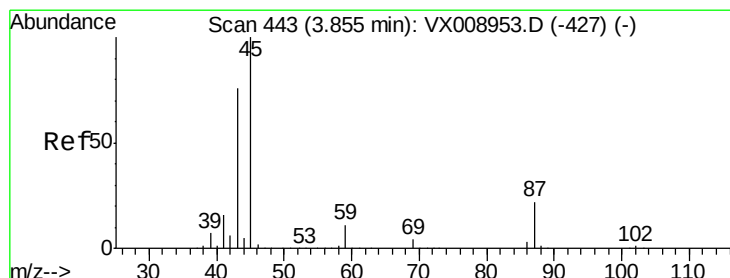
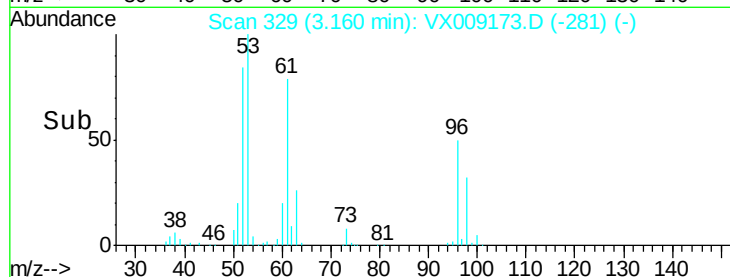
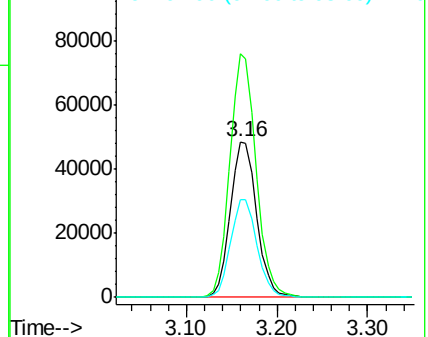


Abundance

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: 49.353 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Tgt Ion: 45 Resp: 421232

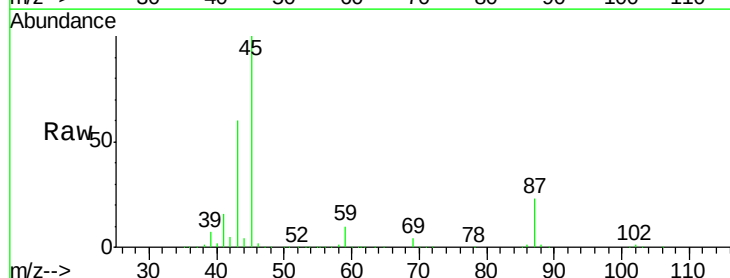
Ion Ratio Lower Upper

45 100

43 60.0 60.6 91.0#

87 22.9 17.8 26.8

59 10.4 8.7 13.1



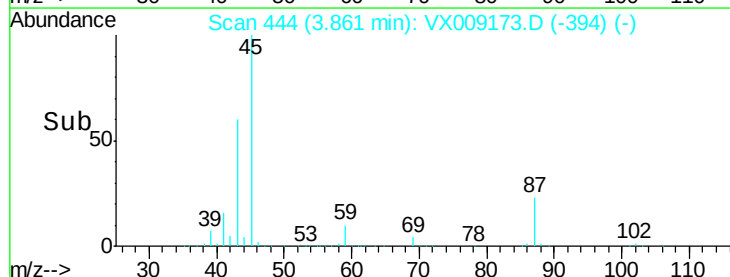
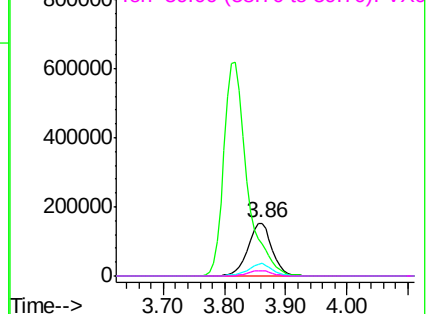
Abundance

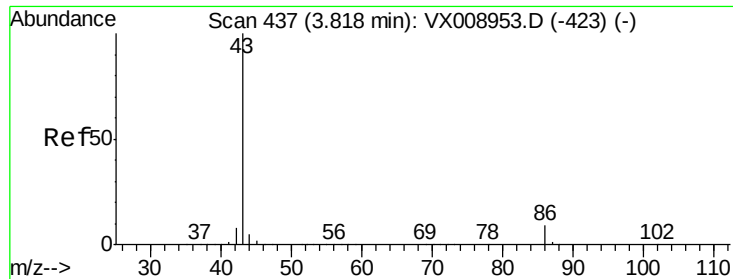
Ion 45.00 (44.70 to 45.70): VX0

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: 217.335 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

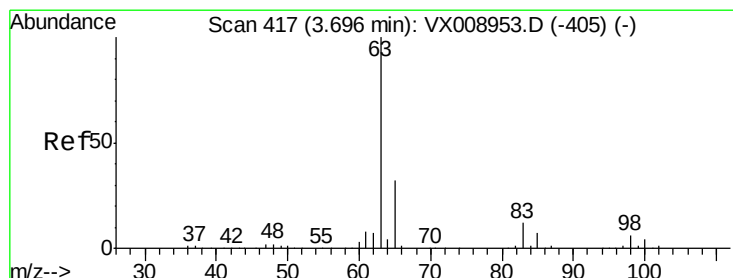
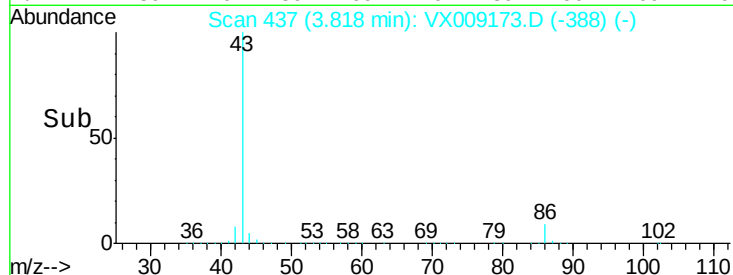
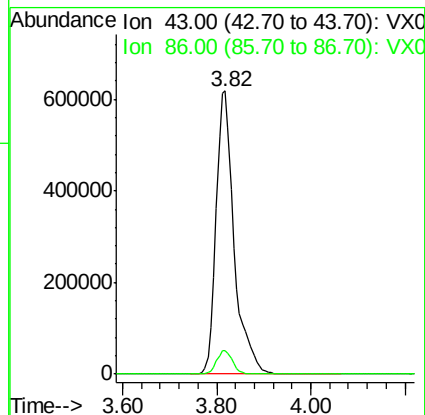
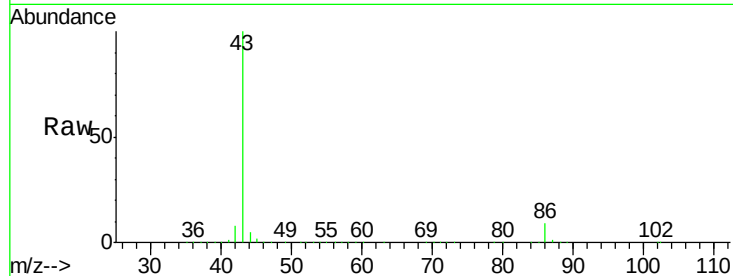
S37-0016MSD

Tot Ion: 43 Resp: 1630603

Ion Ratio Lower Upper

43 100

86 8.5 7.1 10.7



#24

1,1-Dichloroethane

Concen: 47.557 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

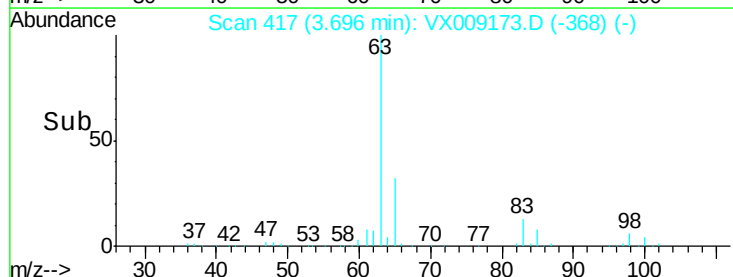
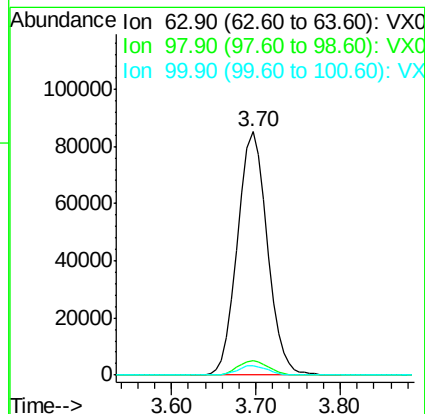
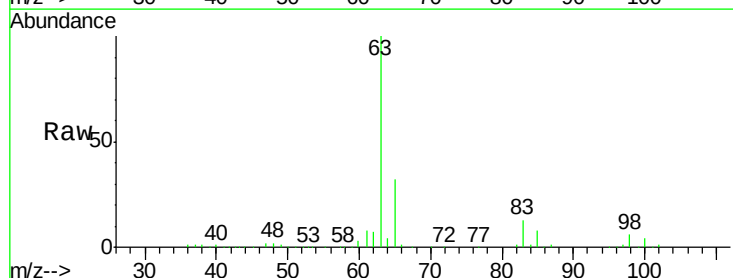
Tgt Ion: 63 Resp: 203756

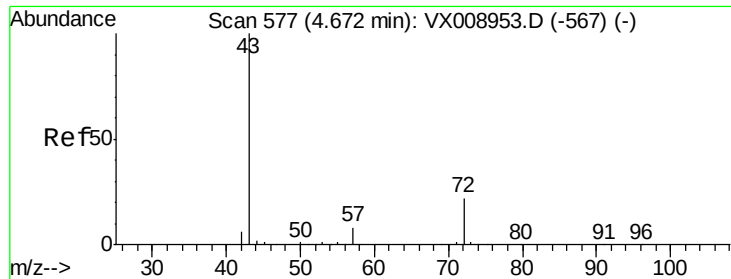
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 260.809 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

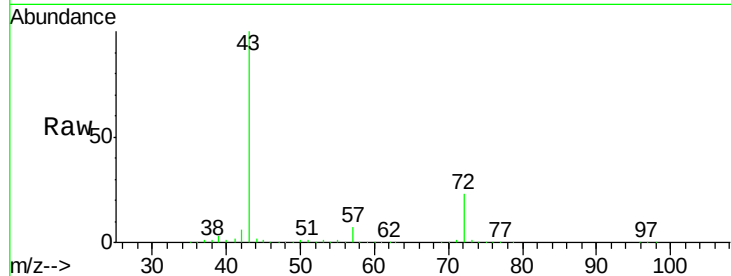
S37-0016MSD

Tot Ion: 43 Resp: 571984

Ion Ratio Lower Upper

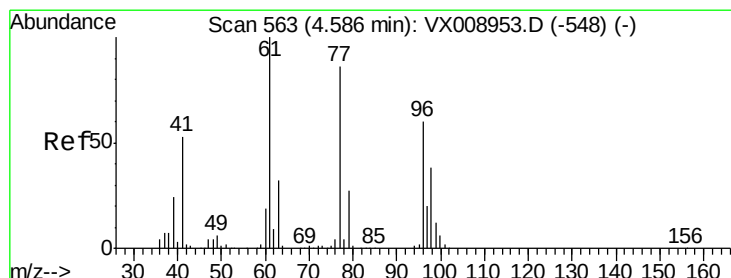
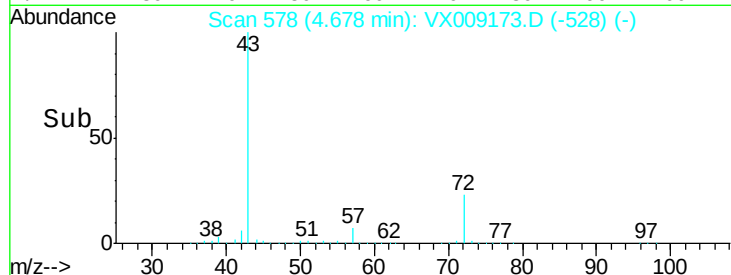
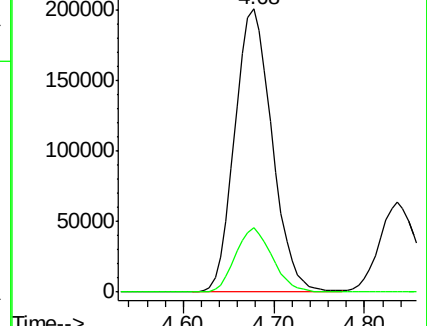
43 100

72 22.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 37.243 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009173.D

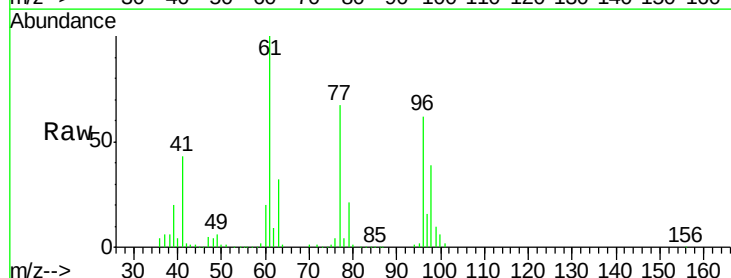
Acq: 25 Apr 2019 19:27

Tgt Ion: 77 Resp: 119611

Ion Ratio Lower Upper

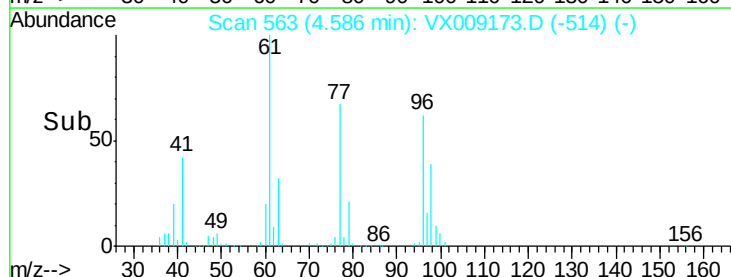
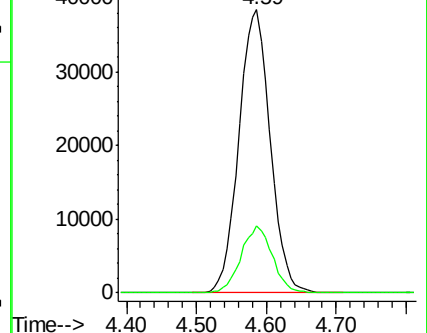
77 100

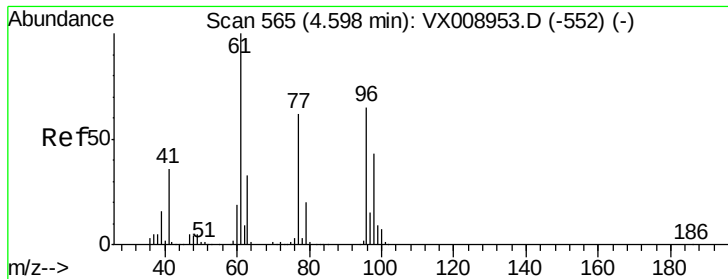
97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



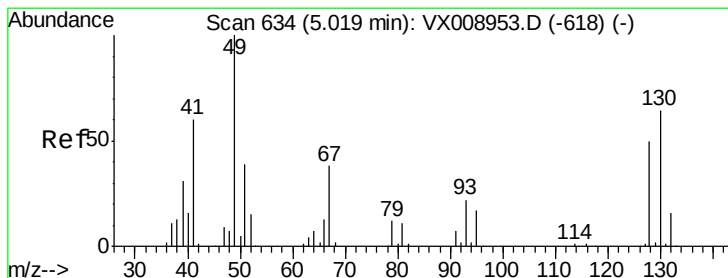
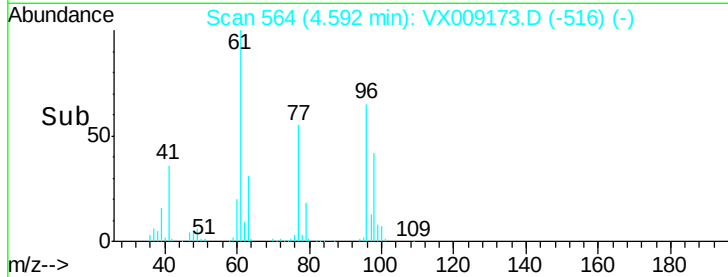
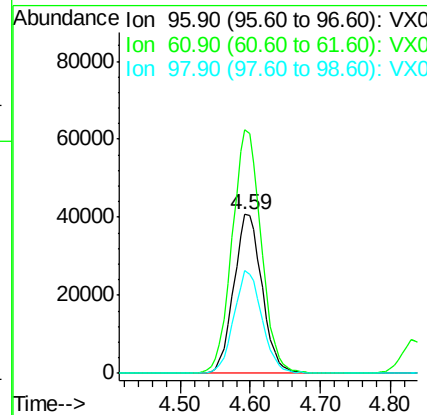
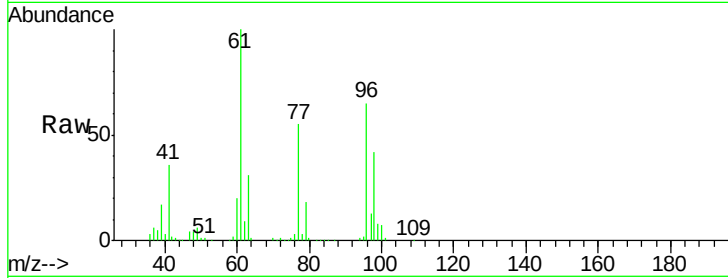


#27

cis-1,2-Dichloroethene
 Concen: 46.816 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

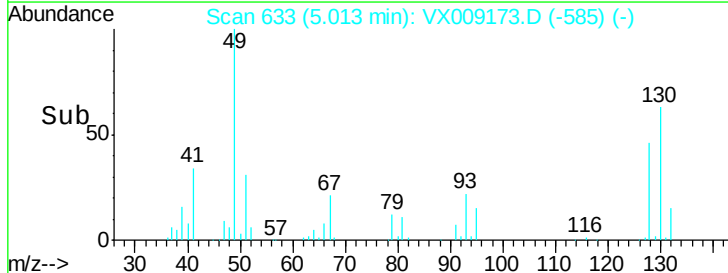
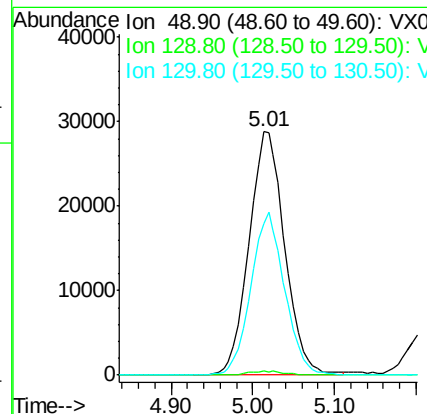
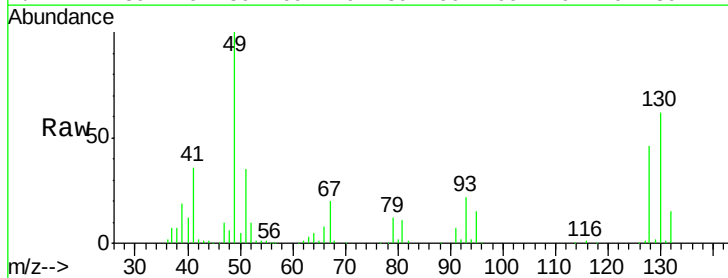
Tot Ion	96	Resp	114143
Ion Ratio	Lower	Upper	
96	100		
61	157.8	0.0	322.0
98	64.3	0.0	128.4

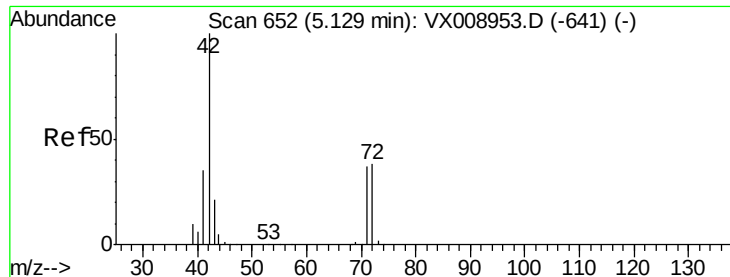


#28

Bromochloromethane
 Concen: 49.146 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	49	Resp	87520
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	63.3	50.4	75.6





#29

Tetrahydrofuran

Concen: 257.910 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

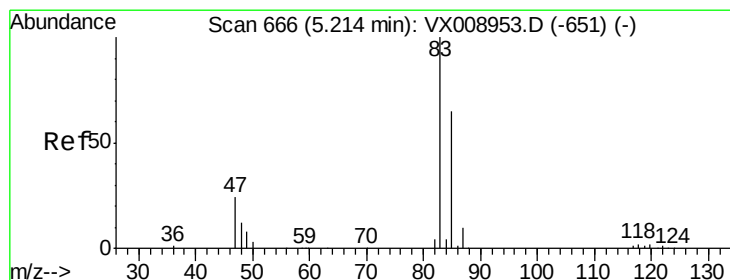
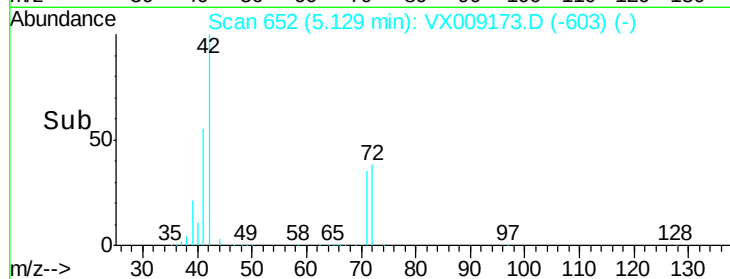
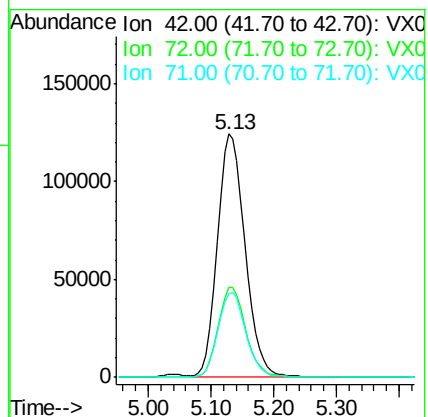
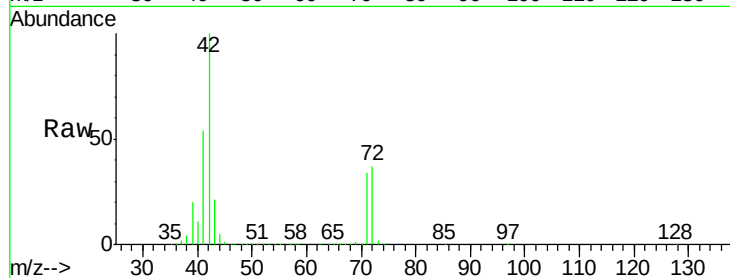
Tot Ion: 42 Resp: 378584

Ion Ratio Lower Upper

42 100

72 37.5 30.6 45.8

71 35.2 28.8 43.2



#30

Chloroform

Concen: 48.580 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX009173.D

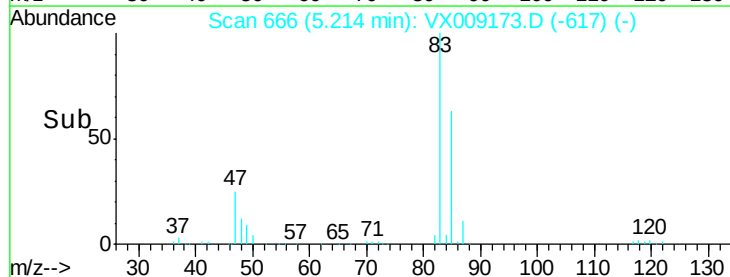
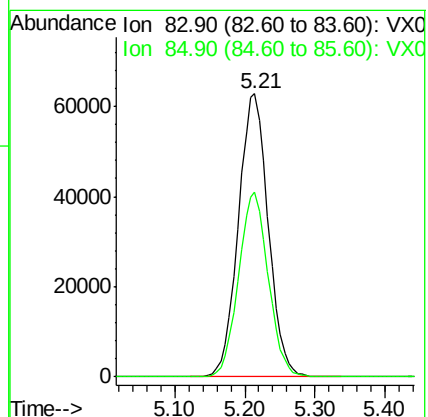
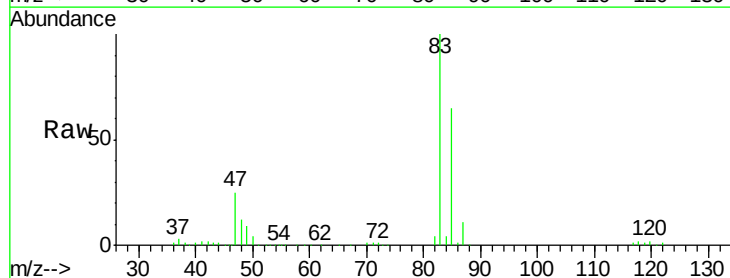
Acq: 25 Apr 2019 19:27

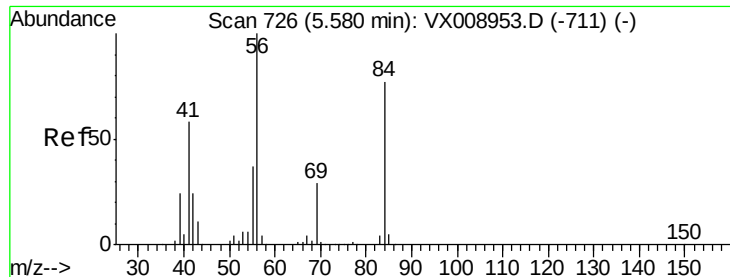
Tgt Ion: 83 Resp: 186257

Ion Ratio Lower Upper

83 100

85 65.1 51.9 77.9





#31

Cyclohexane

Concen: 47.572 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

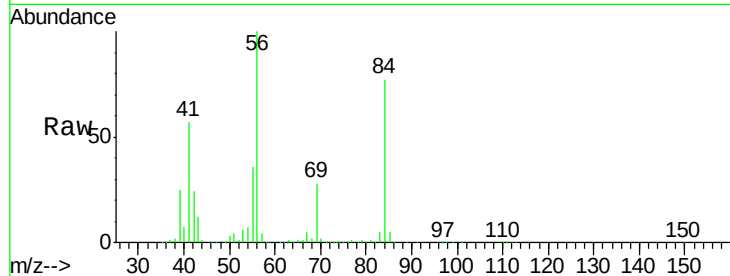
Tot Ion: 56 Resp: 200470

Ion Ratio Lower Upper

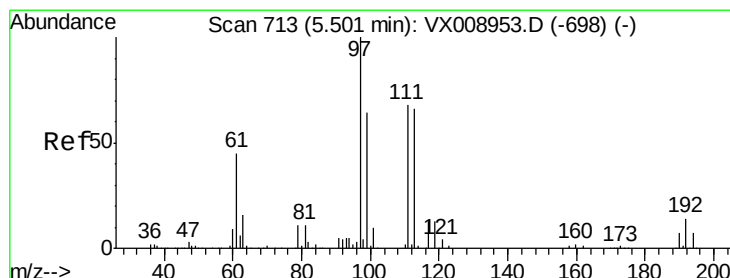
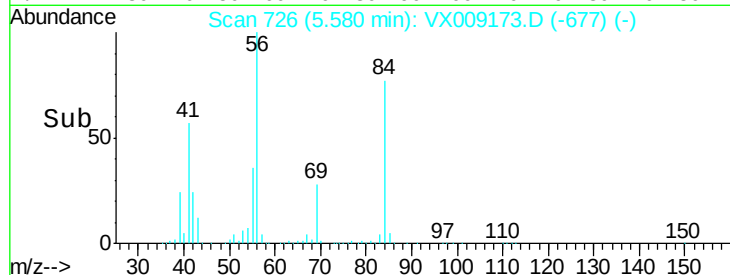
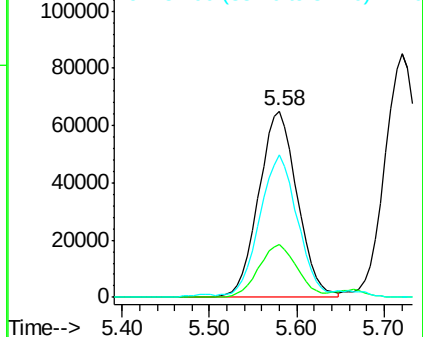
56 100

69 28.1 23.3 34.9

84 75.9 61.7 92.5



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



#32

1,1,1-Trichloroethane

Concen: 48.327 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

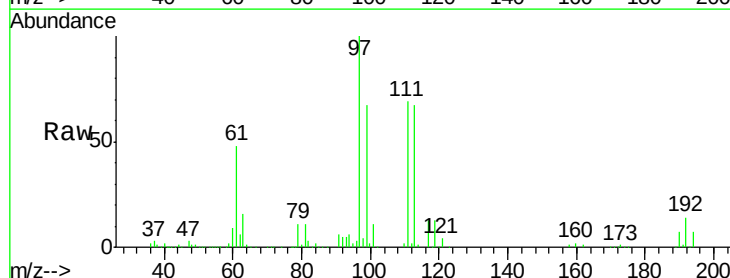
Tgt Ion: 97 Resp: 153565

Ion Ratio Lower Upper

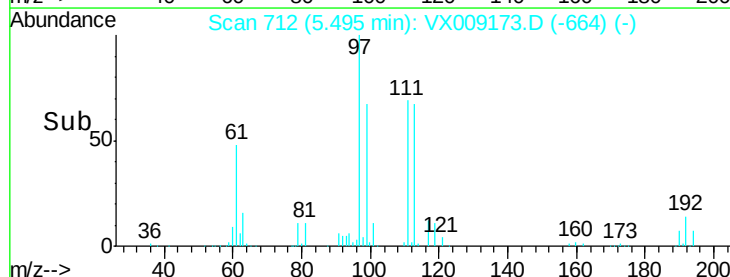
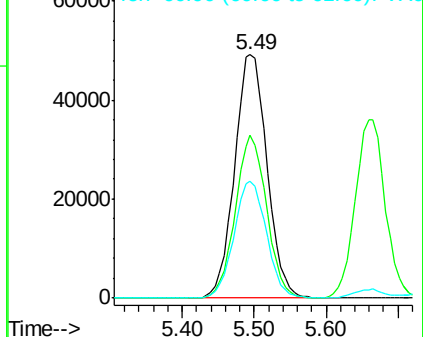
97 100

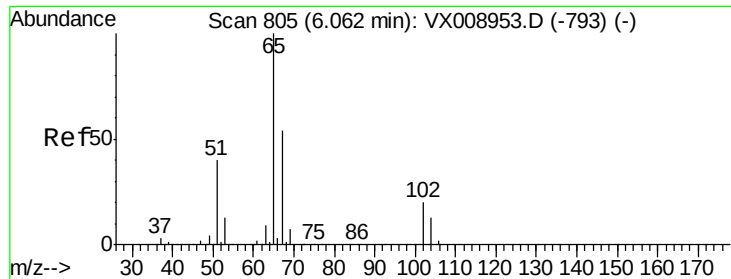
99 64.5 51.6 77.4

61 48.3 37.9 56.9



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

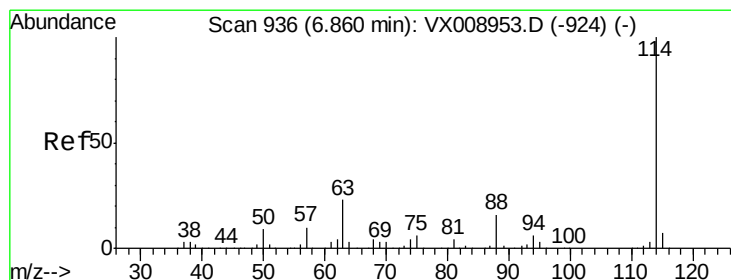
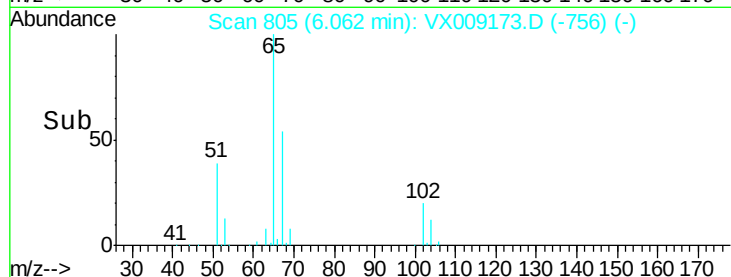
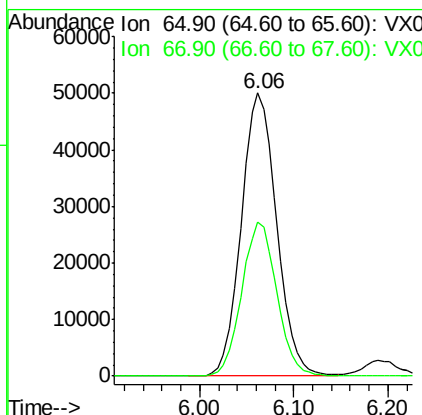
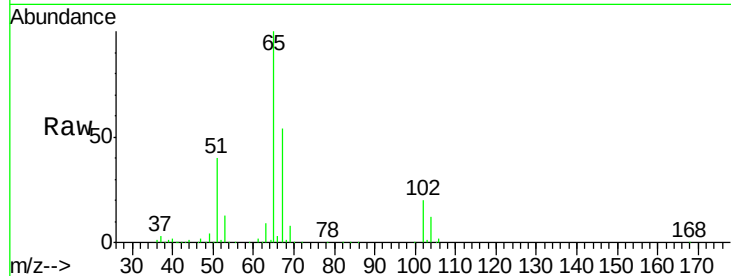




#33
 1,2-Dichloroethane-d4
 Concen: 49.756 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

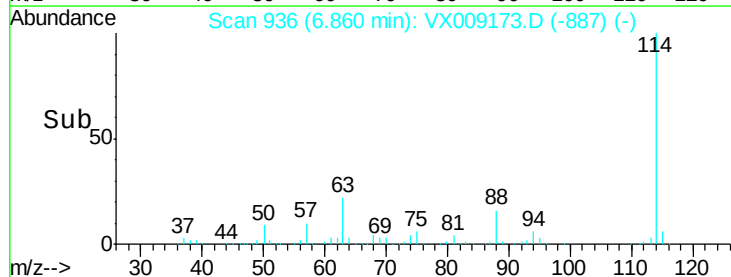
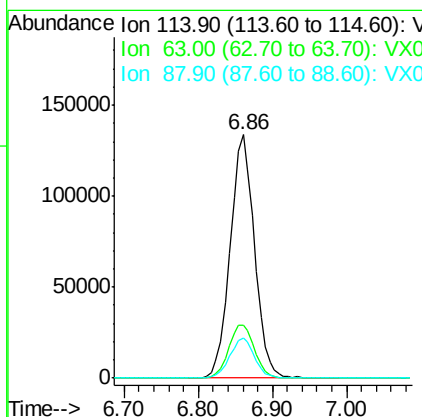
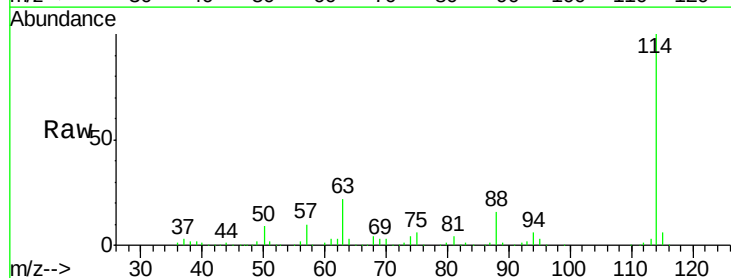
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

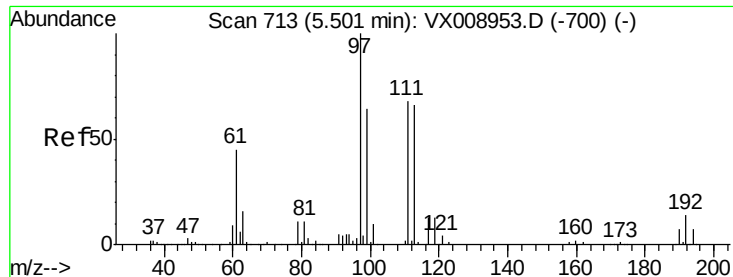
Tot Ion: 65 Resp: 131644
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion:114 Resp: 306250
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 46.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.401 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

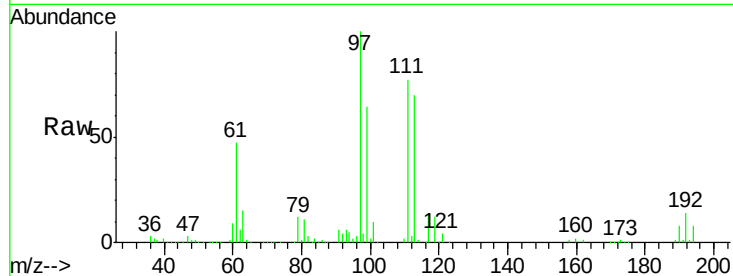
Tot Ion:113 Resp: 97094

Ion Ratio Lower Upper

113 100

111 104.7 82.9 124.3

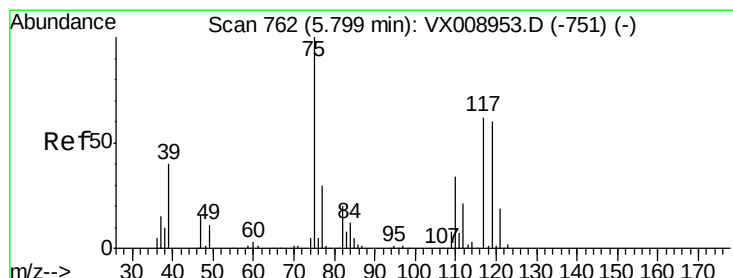
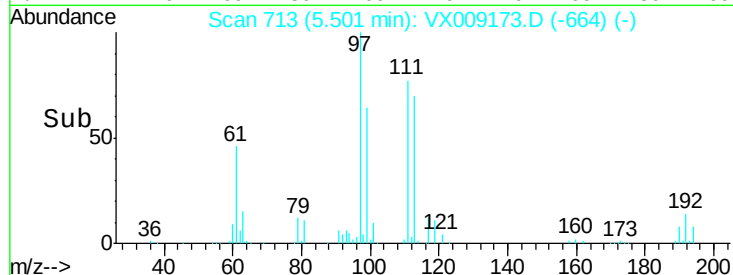
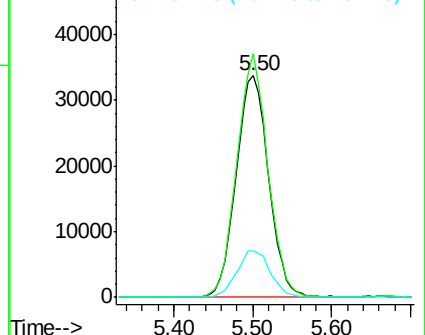
192 21.7 17.4 26.0



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: 44.854 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

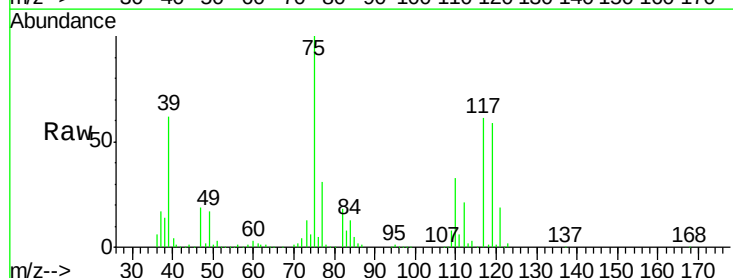
Tgt Ion: 75 Resp: 142065

Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.7

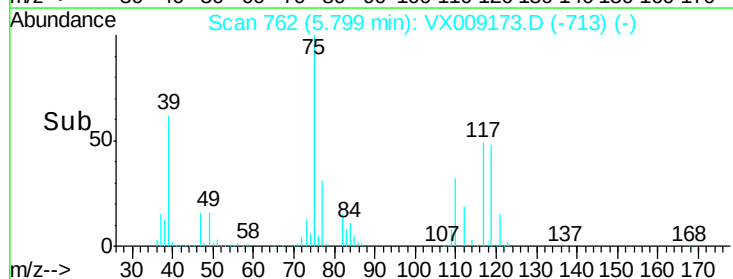
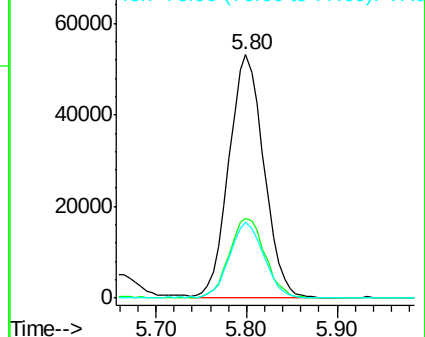
77 30.5 25.0 37.4

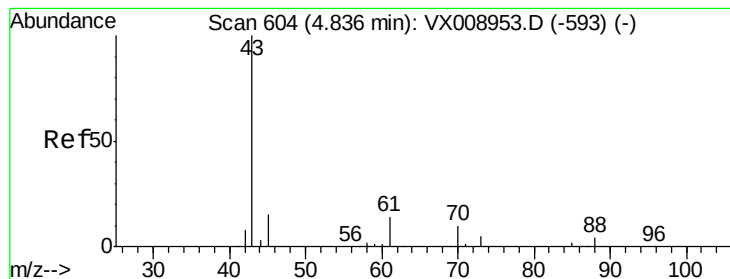


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 45.623 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

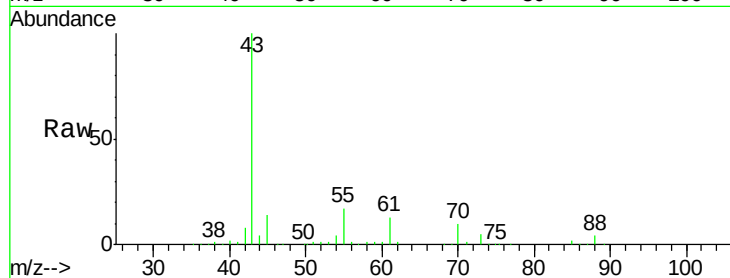
Tot Ion: 43 Resp: 185942

Ion Ratio Lower Upper

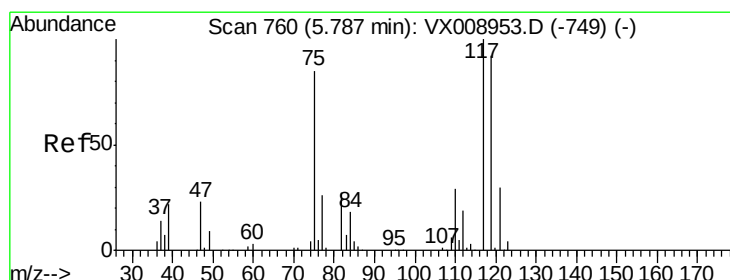
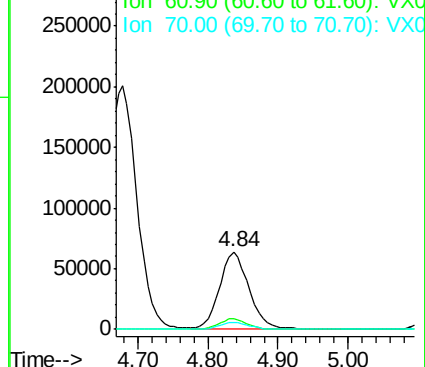
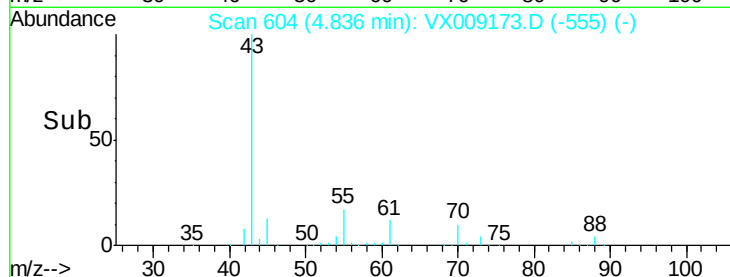
43 100

61 12.8 10.6 15.8

70 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX009173.D (-555) (-)



#38

Carbon Tetrachloride

Concen: 48.308 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

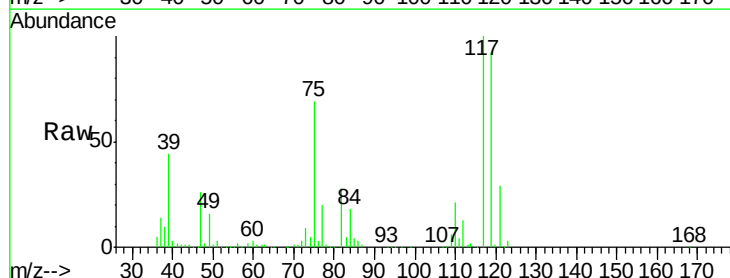
Tgt Ion: 117 Resp: 129713

Ion Ratio Lower Upper

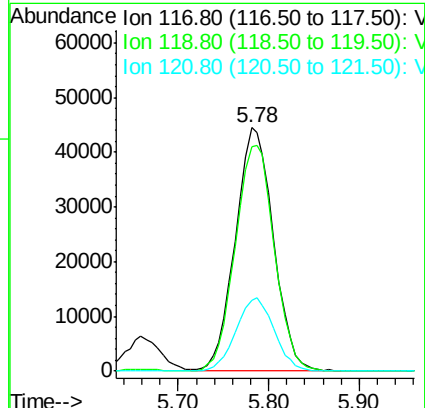
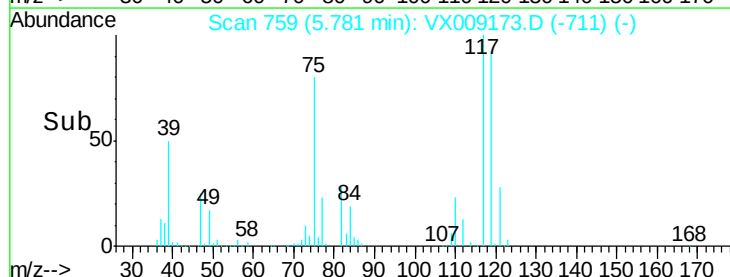
117 100

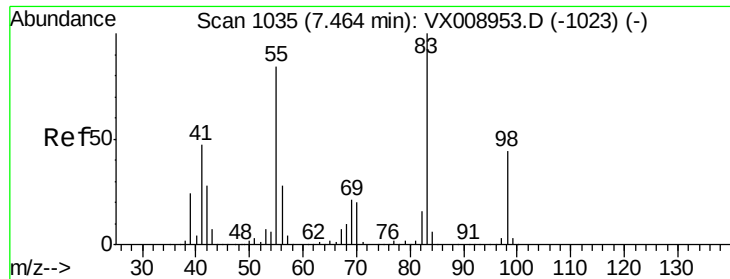
119 92.4 73.8 110.8

121 28.9 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): VX009173.D (-711) (-)

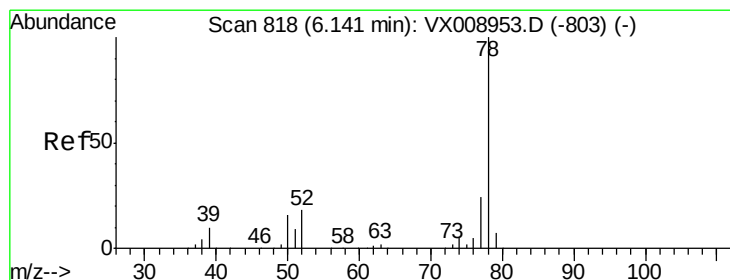
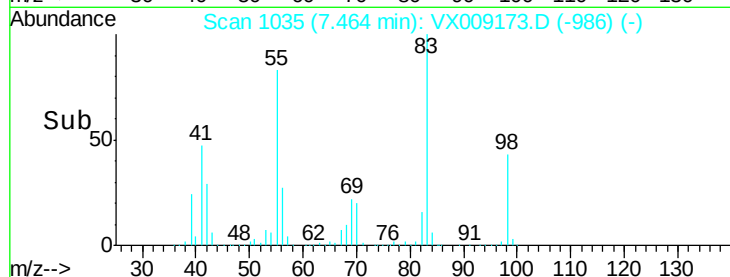
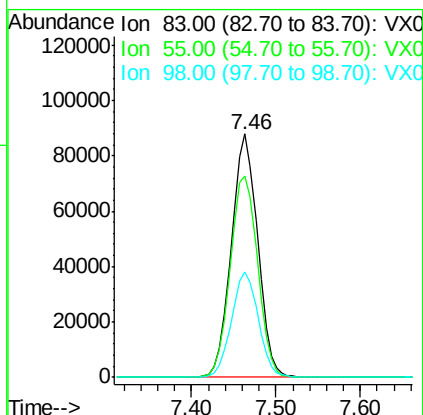
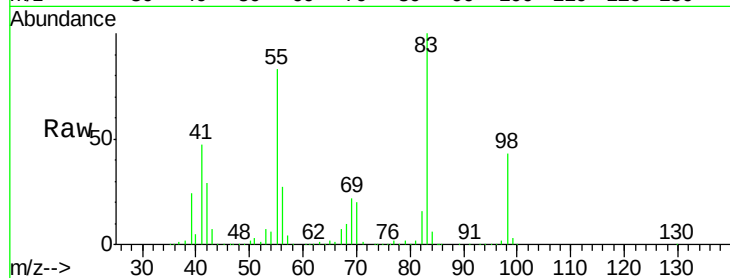




#39
Methylvlcyclohexane
Concen: 48.169 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

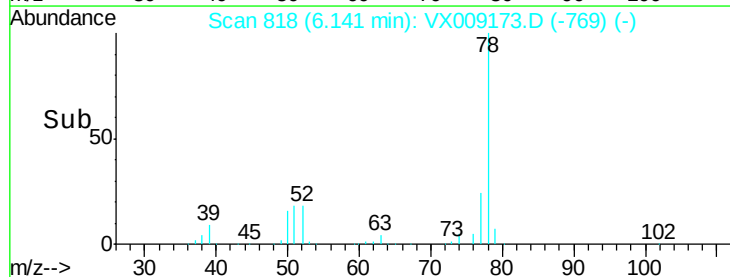
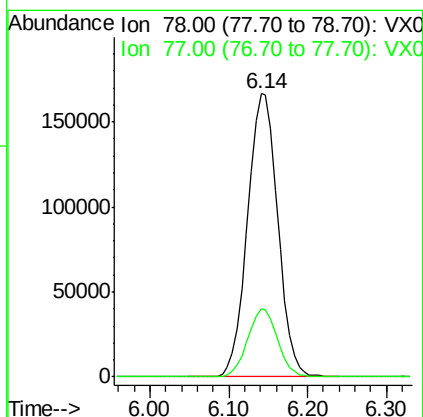
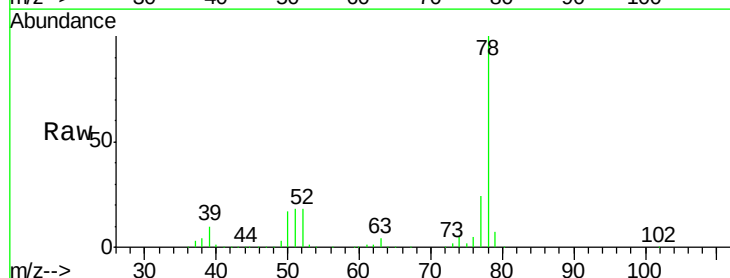
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

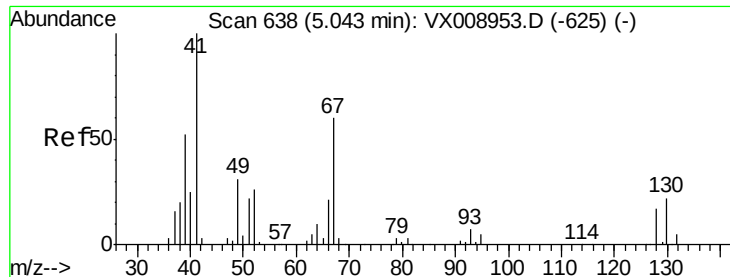
Tot Ion: 83 Resp: 185756
Ion Ratio Lower Upper
83 100
55 82.9 67.1 100.7
98 43.2 35.1 52.7



#40
Benzene
Concen: 47.586 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 78 Resp: 444629
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6





#41

Methacrylonitrile

Concen: 51.228 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 41 Resp: 119827

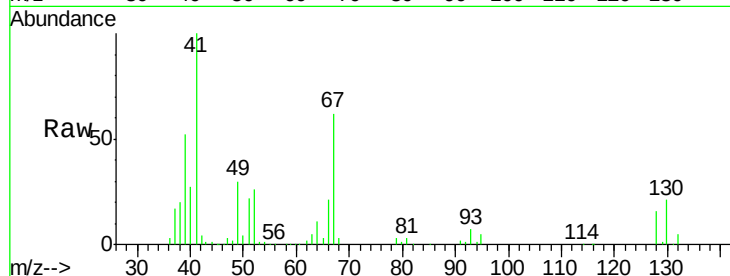
Ion Ratio Lower Upper

41 100

39 53.1 41.8 62.6

67 62.7 50.2 75.4

52 26.2 21.1 31.7

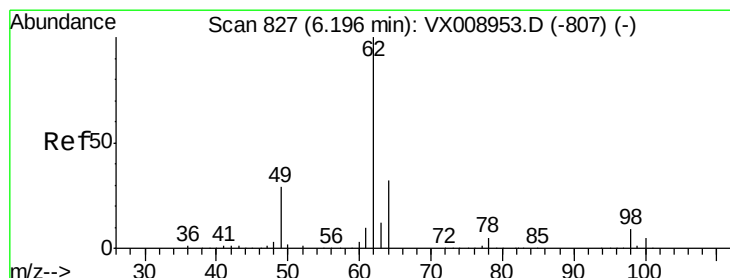
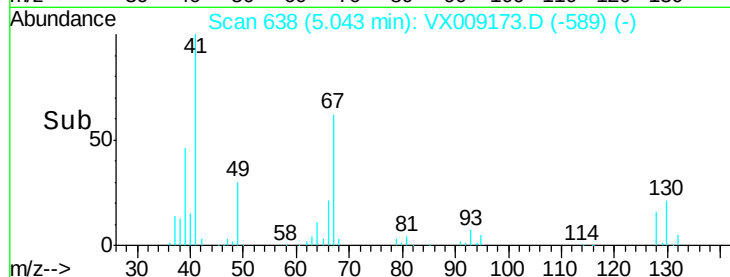
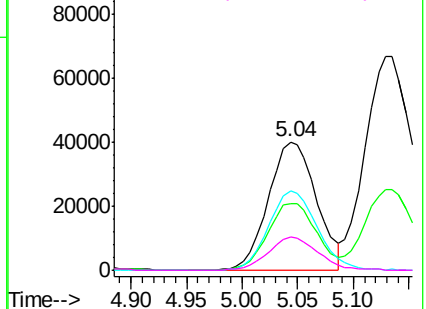


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.924 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX009173.D

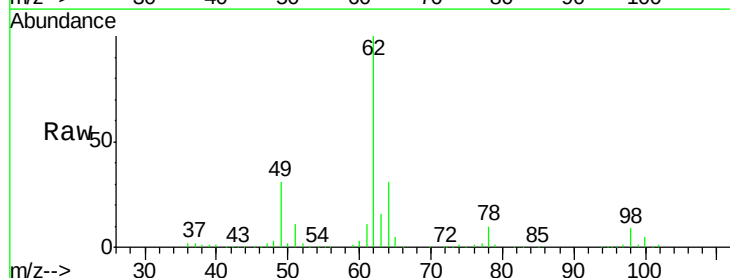
Acq: 25 Apr 2019 19:27

Tgt Ion: 62 Resp: 158624

Ion Ratio Lower Upper

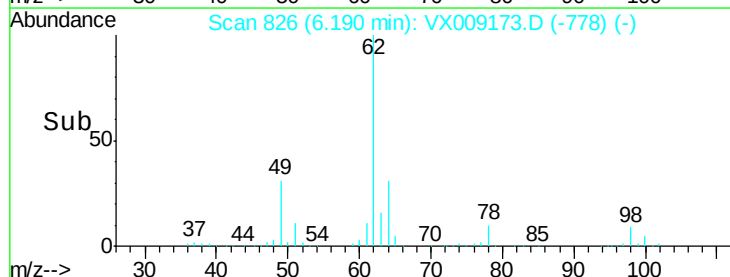
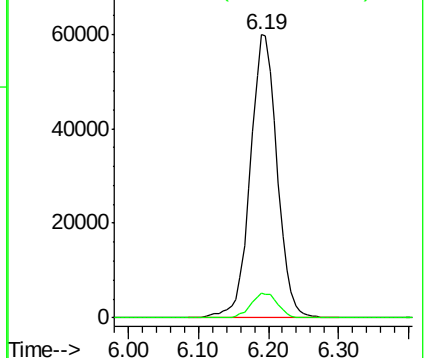
62 100

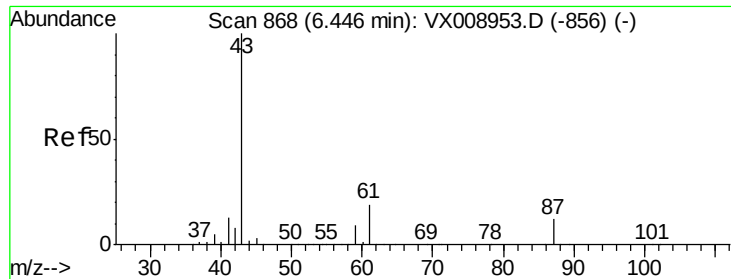
98 8.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



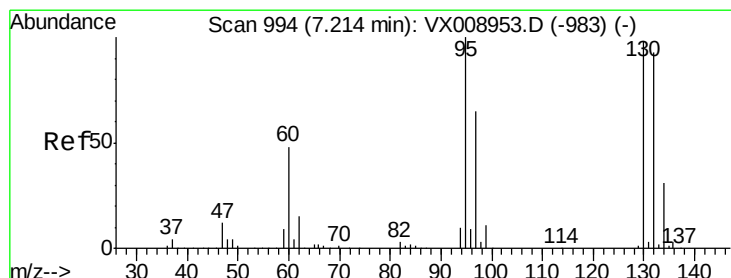
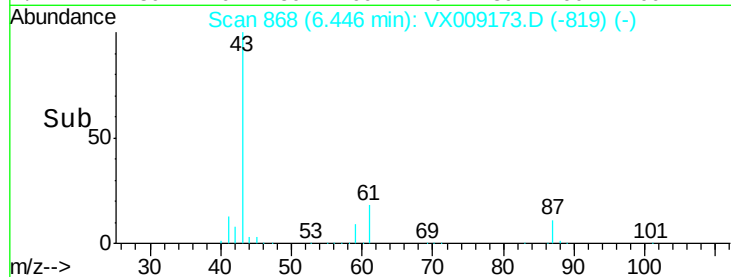
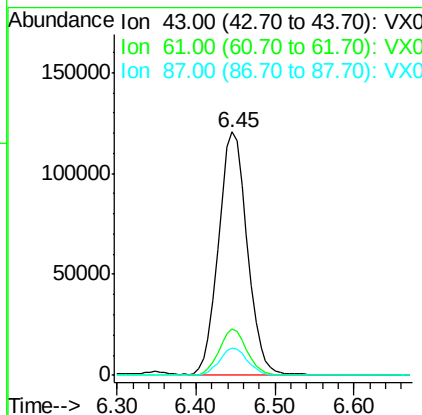
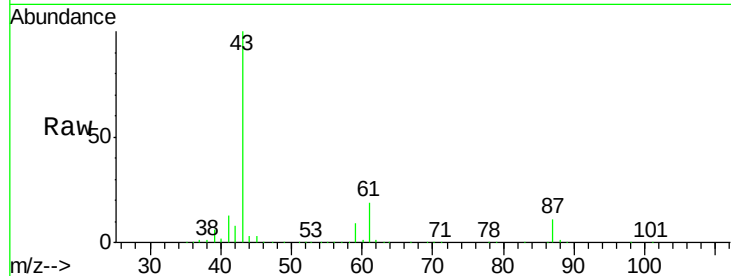


#43

Isopropyl Acetate
 Concen: 46.324 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

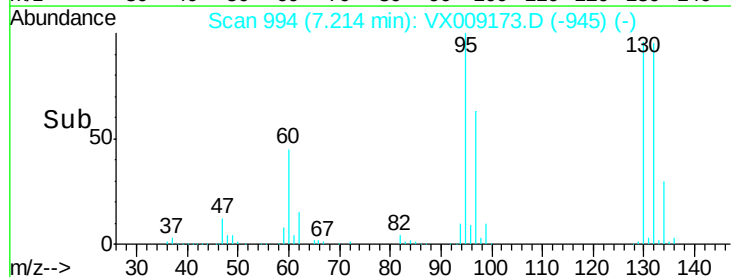
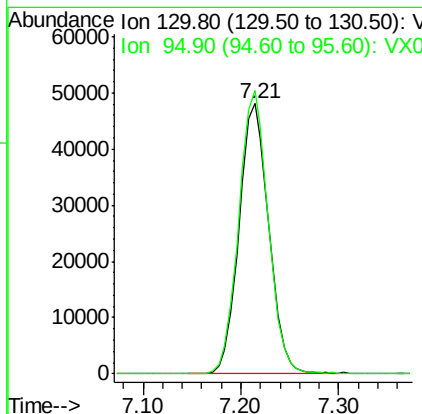
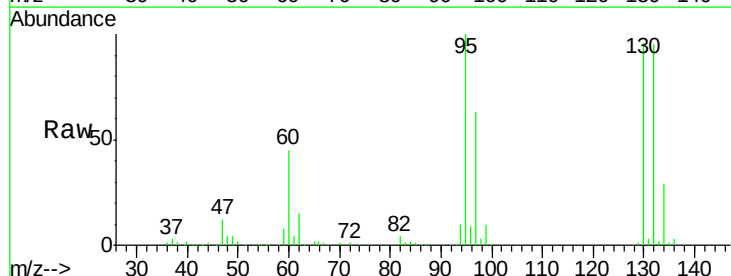
Tot Ion	43	Resp	304247
Ion Ratio	Lower	Upper	
43	100		
61	18.7	15.4	23.0
87	11.2	9.0	13.4

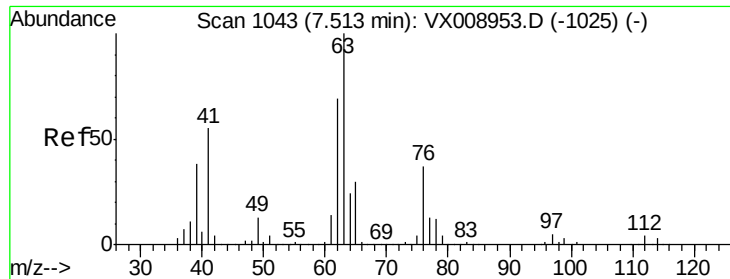


#44

Trichloroethene
 Concen: 44.341 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	130	Resp	101514
Ion Ratio	Lower	Upper	
130	100		
95	104.7	0.0	203.2

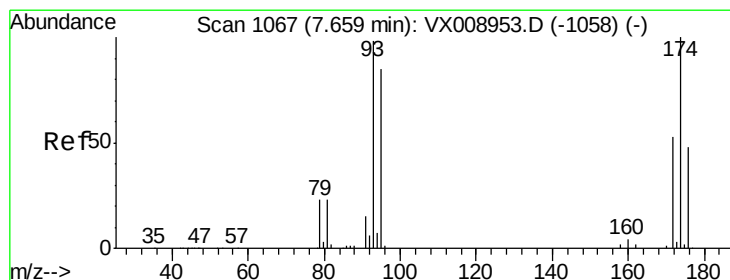
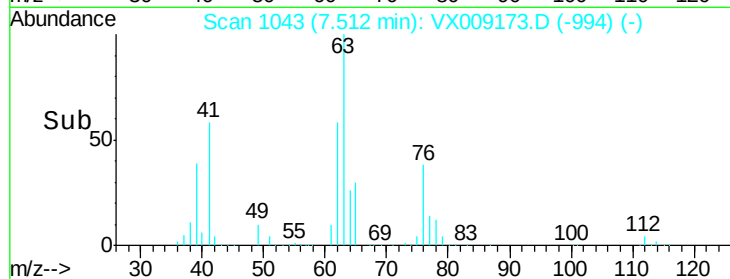
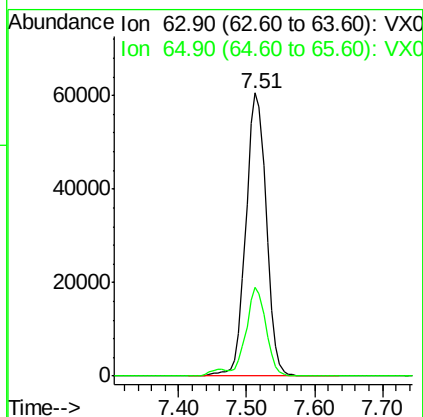
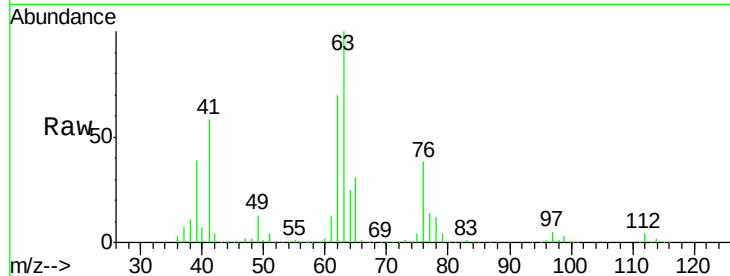




#45
 1,2-Dichloropropane
 Concen: 49.118 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

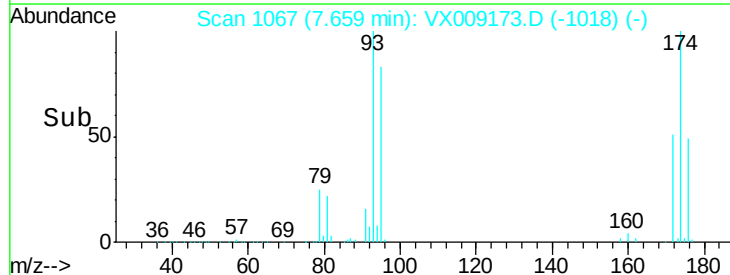
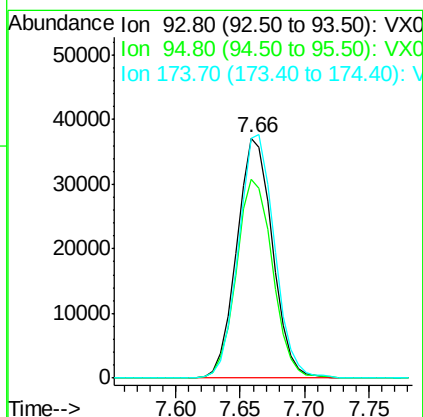
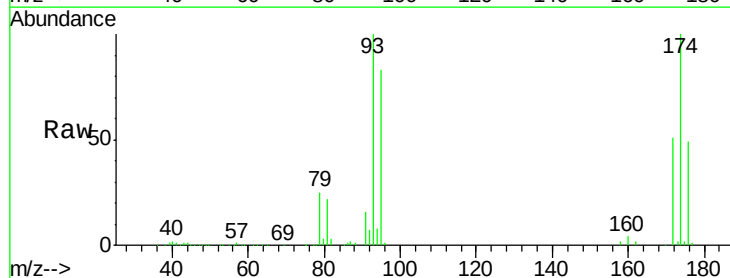
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

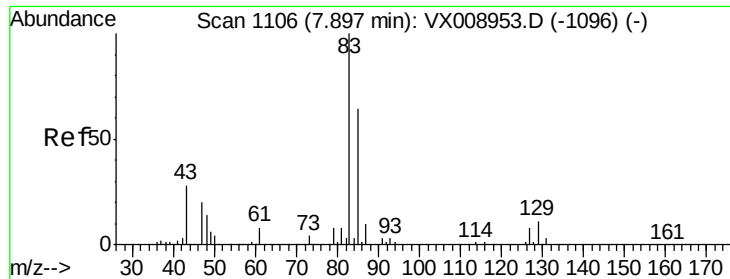
Tot Ion: 63 Resp: 127324
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.1 36.1



#46
 Dibromomethane
 Concen: 47.330 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 93 Resp: 71402
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.4
 174 101.9 81.6 122.4





#47

Bromodichloromethane

Concen: 48.914 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

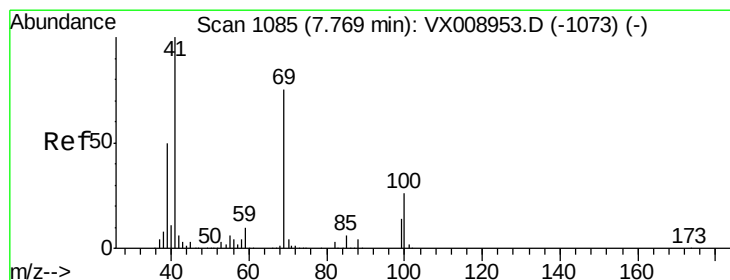
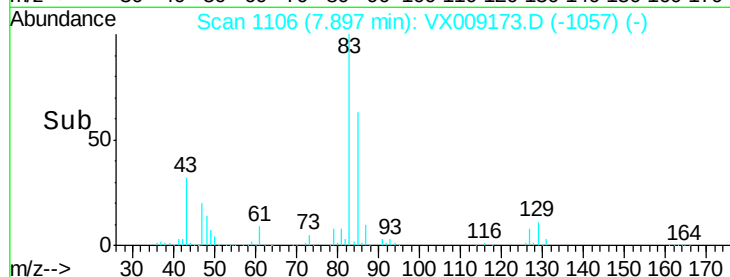
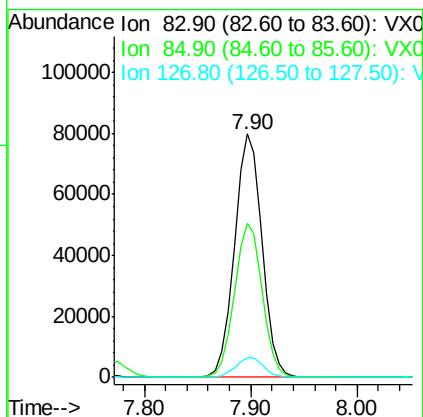
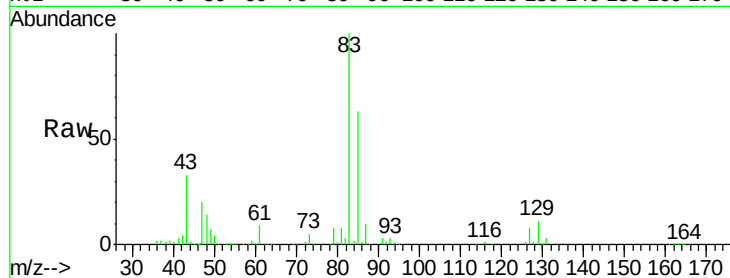
Tot Ion: 83 Resp: 144730

Ion Ratio Lower Upper

83 100

85 63.3 50.8 76.2

127 7.8 6.4 9.6



#48

Methyl methacrylate

Concen: 50.947 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

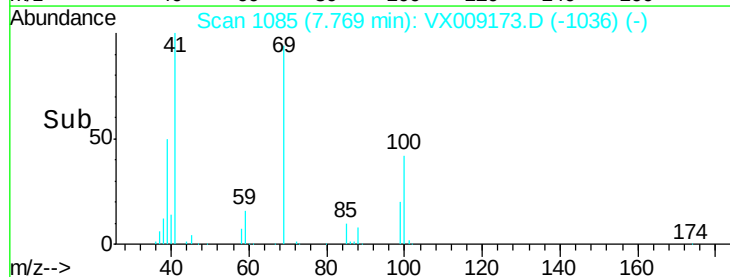
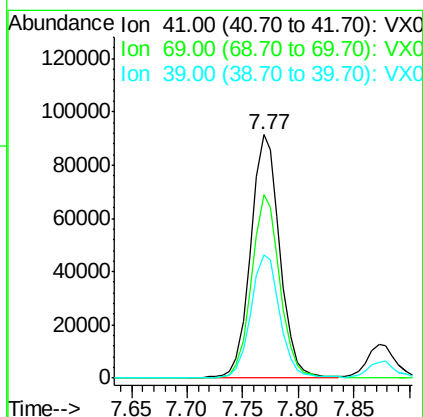
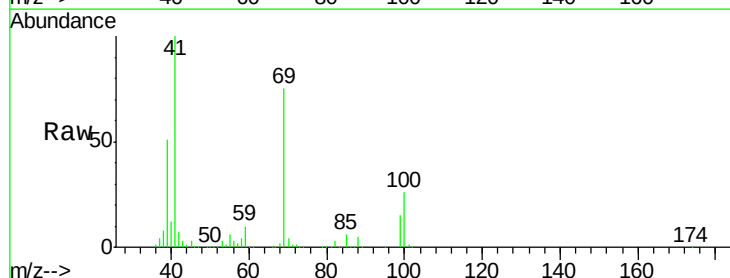
Tgt Ion: 41 Resp: 165335

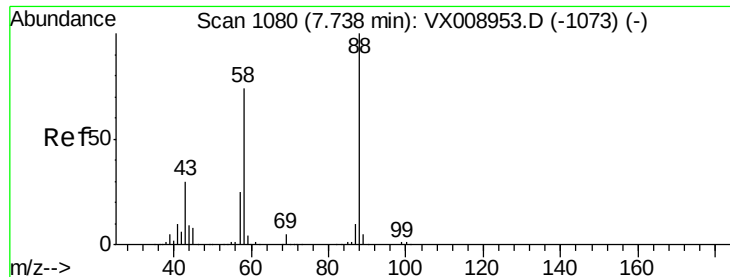
Ion Ratio Lower Upper

41 100

69 74.6 59.4 89.2

39 50.6 39.8 59.6

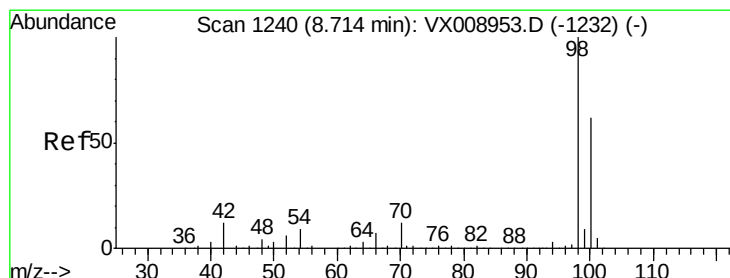
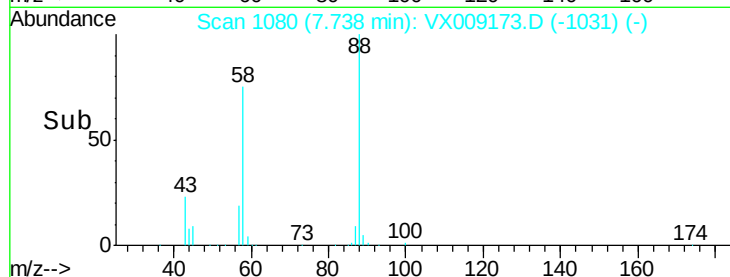
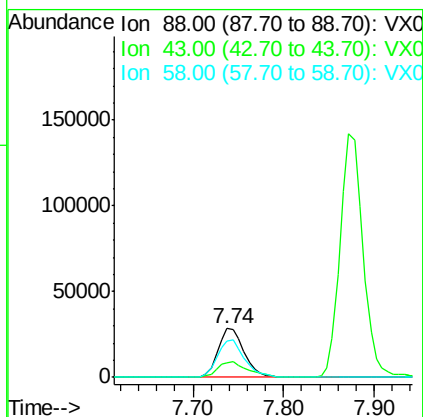
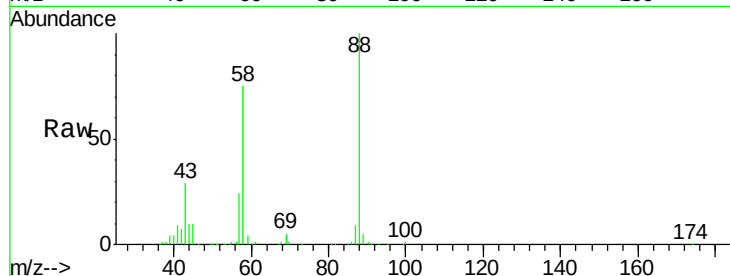




#49
1,4-Dioxane
Concen: 950.504 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

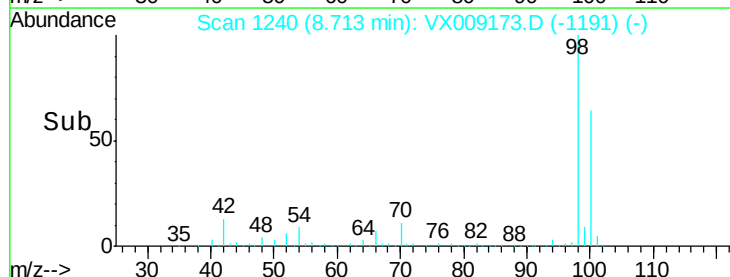
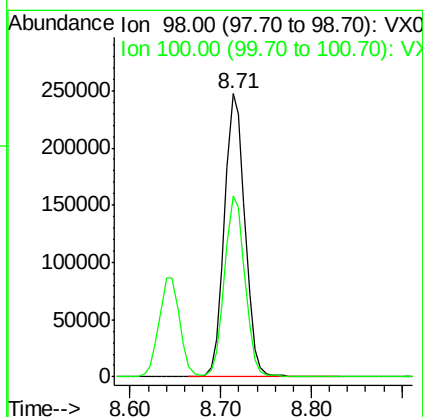
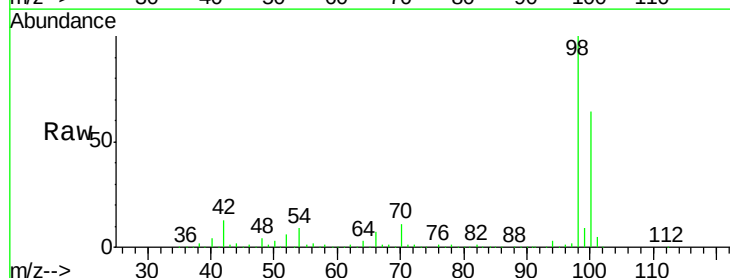
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

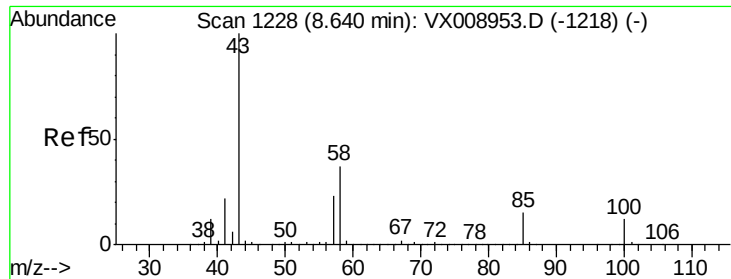
Tot Ion: 88 Resp: 57734
Ion Ratio Lower Upper
88 100
43 35.6 29.3 43.9
58 79.3 62.6 93.8



#50
Toluene-d8
Concen: 49.605 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 98 Resp: 388816
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 269.629 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

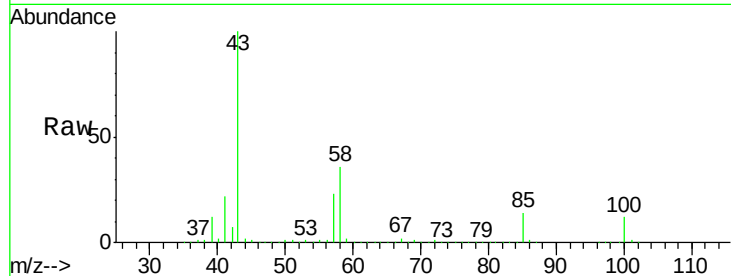
S37-0016MSD

Tot Ion: 43 Resp: 1128178

Ion Ratio Lower Upper

43 100

58 36.5 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

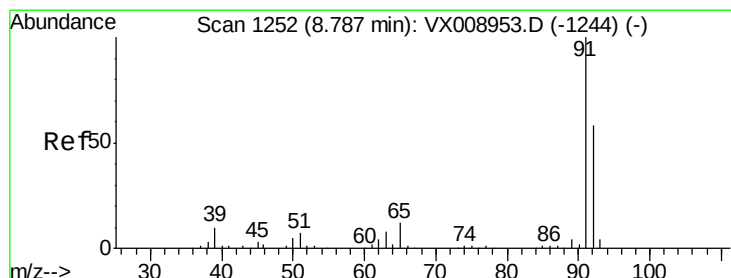
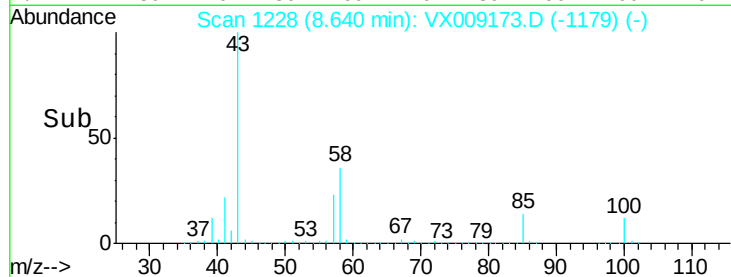
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.912 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009173.D

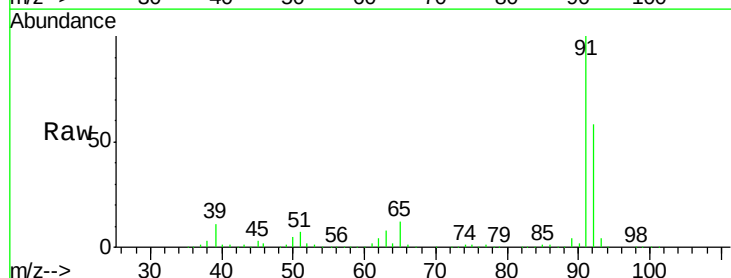
Acq: 25 Apr 2019 19:27

Tgt Ion: 92 Resp: 268299

Ion Ratio Lower Upper

92 100

91 173.8 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

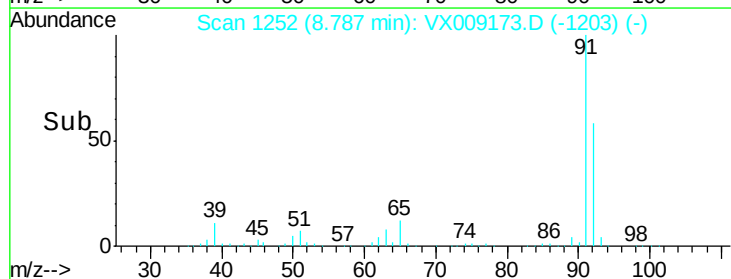
300000

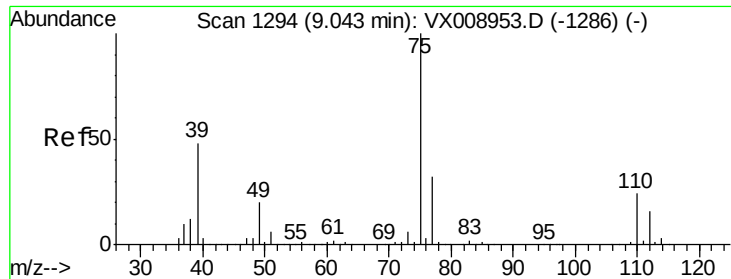
200000

100000

0

Time-->

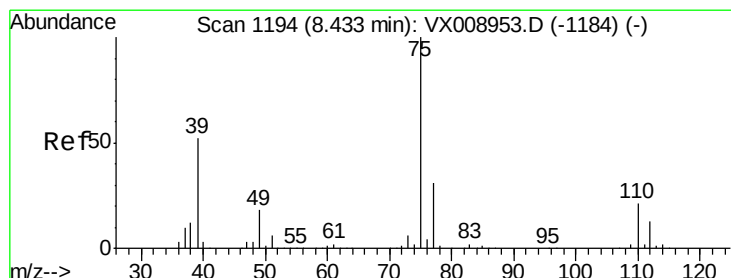
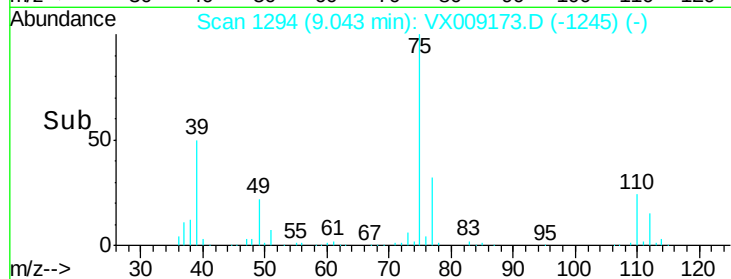
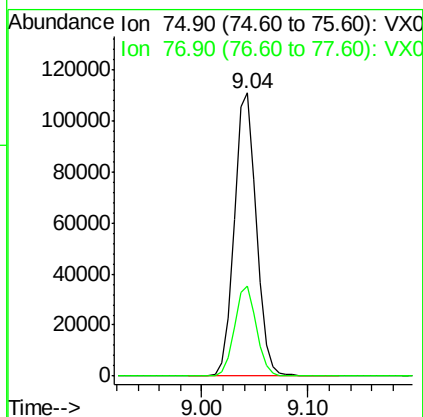
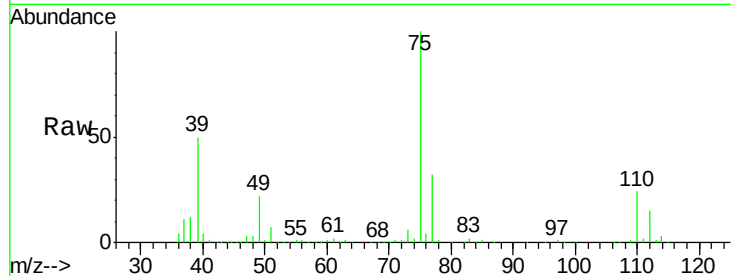




#53
 t-1,3-Dichloropropene
 Concen: 47.268 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

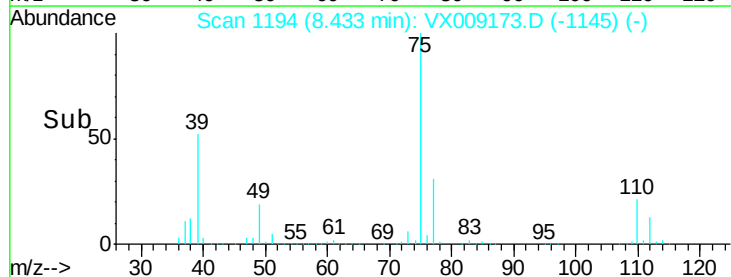
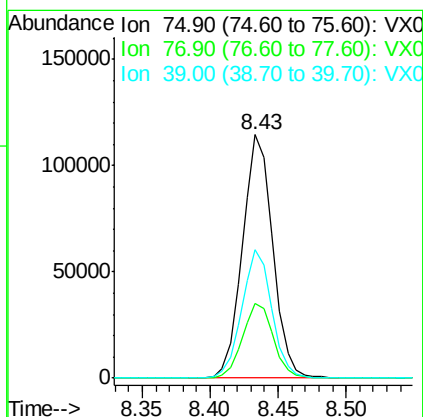
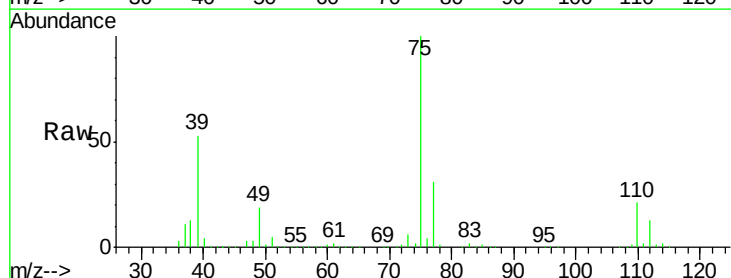
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

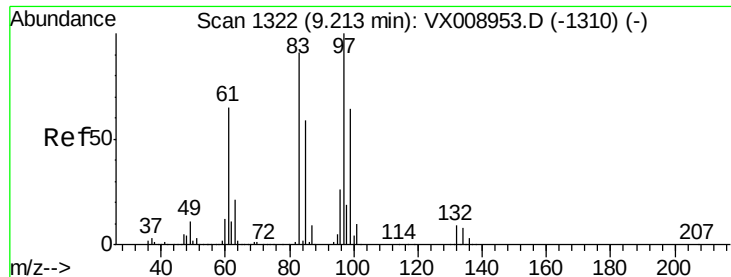
Tot Ion: 75 Resp: 160961
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 46.785 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 75 Resp: 178391
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2
 39 52.5 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 49.378 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 97 Resp: 109590

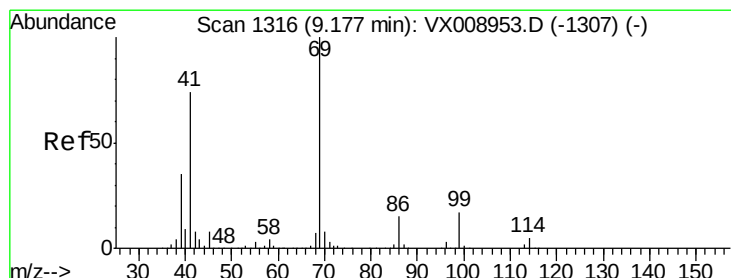
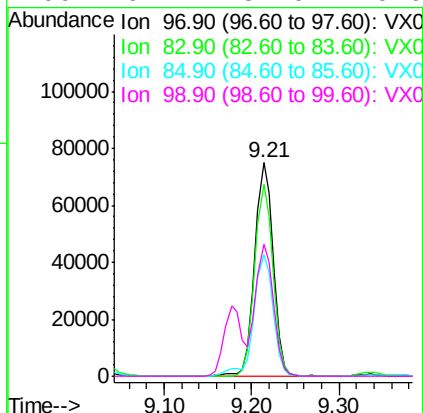
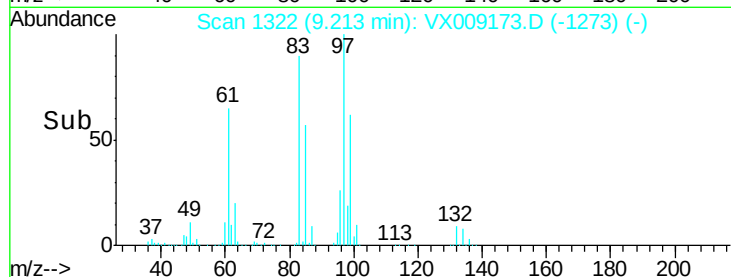
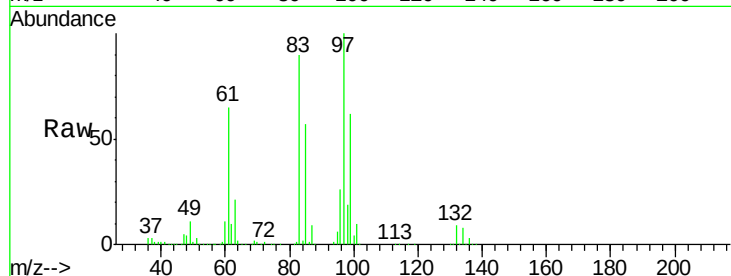
Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.6	108.8
85	56.7	46.9	70.3
99	61.7	51.0	76.6

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: 51.156 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

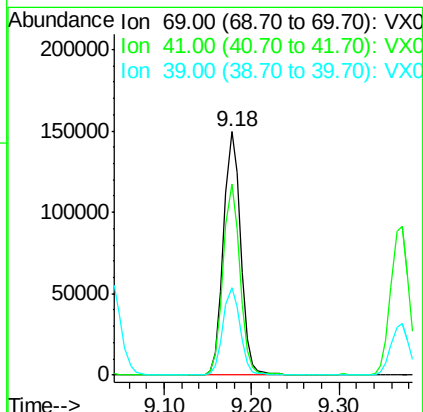
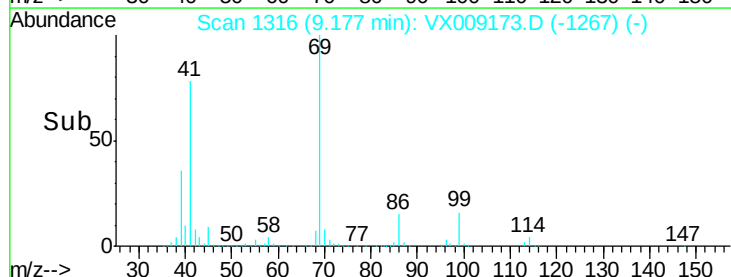
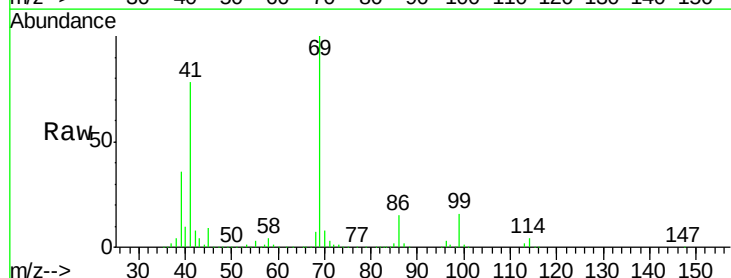
Tgt Ion: 69 Resp: 203580

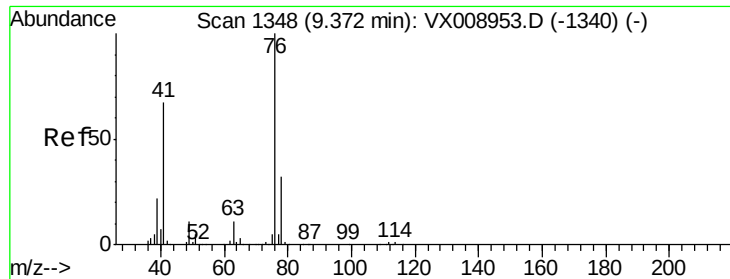
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.2	90.2
39	35.7	27.9	41.9

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

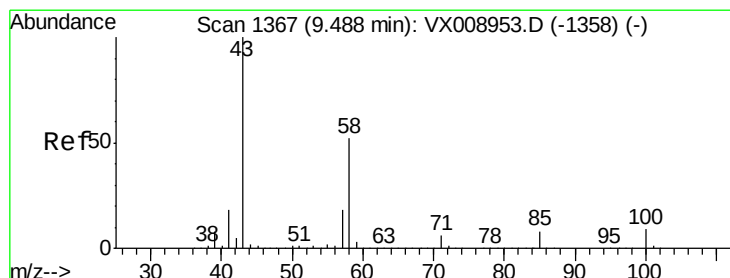
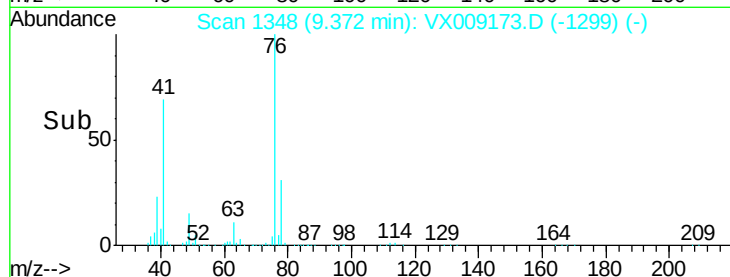
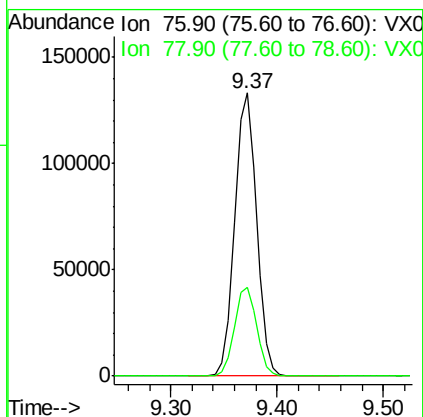
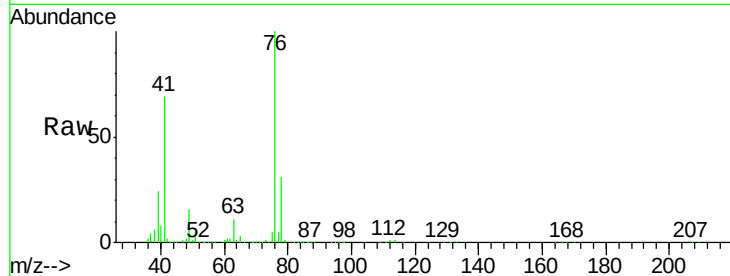




#57
 1,3-Dichloropropane
 Concen: 48.888 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

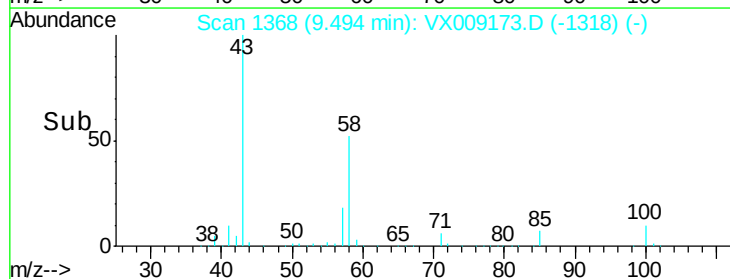
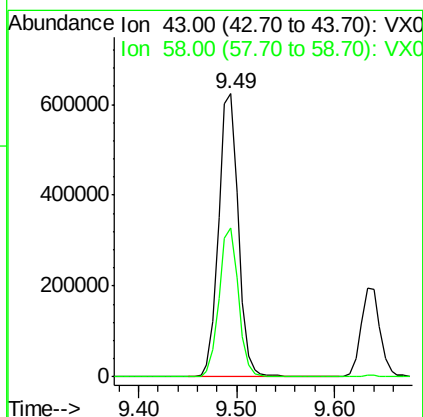
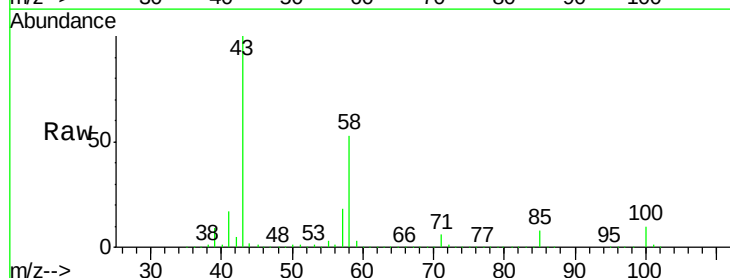
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

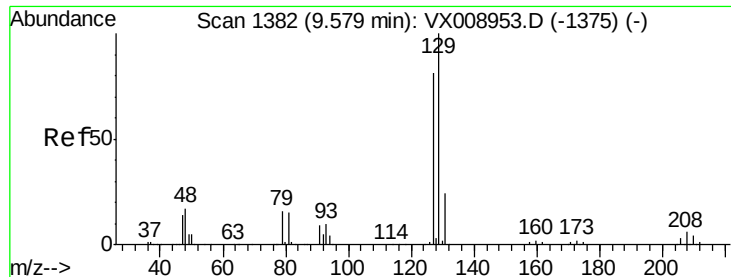
Tot Ion: 76 Resp: 193185
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#59
 2-Hexanone
 Concen: 270.283 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 43 Resp: 871912
 Ion Ratio Lower Upper
 43 100
 58 51.7 25.9 77.8





#60

Dibromochloromethane

Concen: 50.709 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

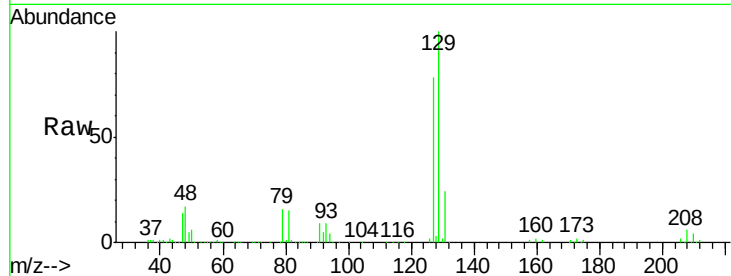
S37-0016MSD

Tot Ion:129 Resp: 107863

Ion Ratio Lower Upper

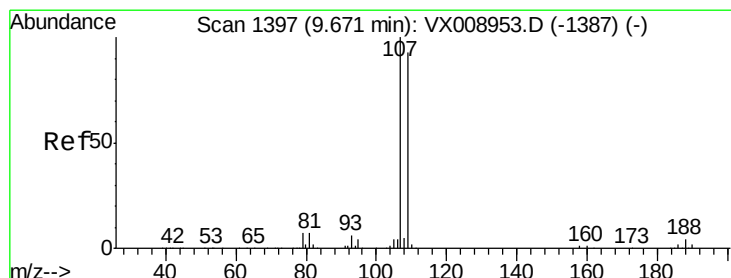
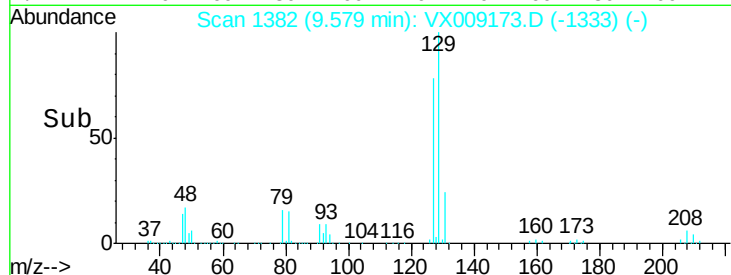
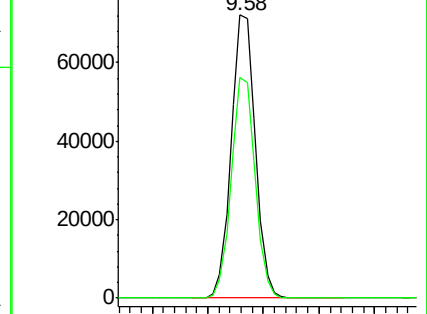
129 100

127 77.1 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.531 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009173.D

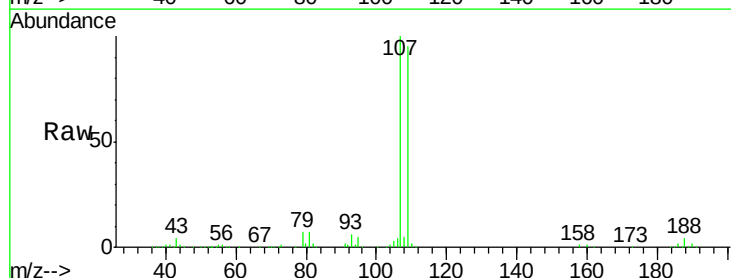
Acq: 25 Apr 2019 19:27

Tgt Ion:107 Resp: 111166

Ion Ratio Lower Upper

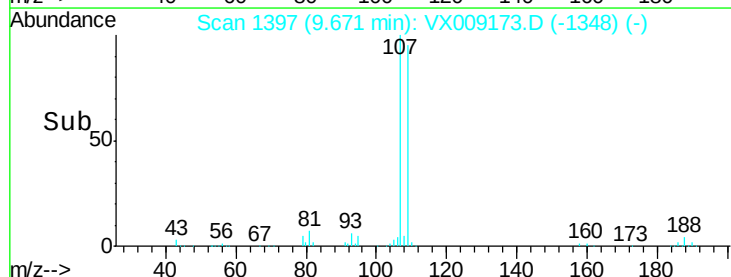
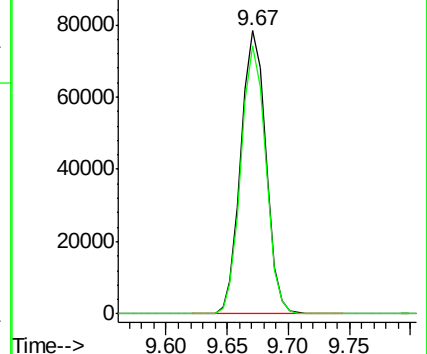
107 100

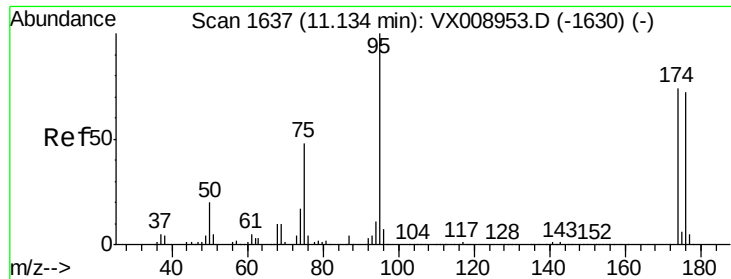
109 93.9 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.851 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

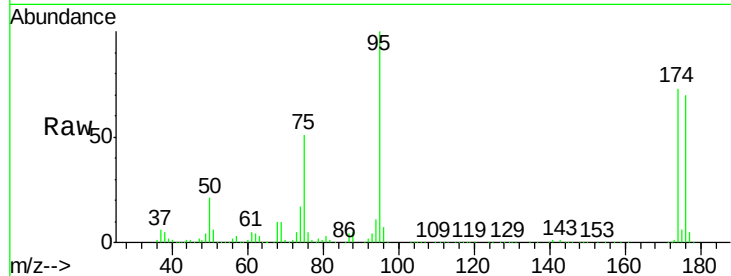
Tot Ion: 95 Resp: 143467

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.6

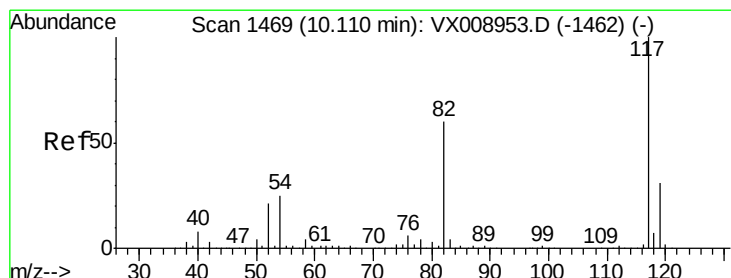
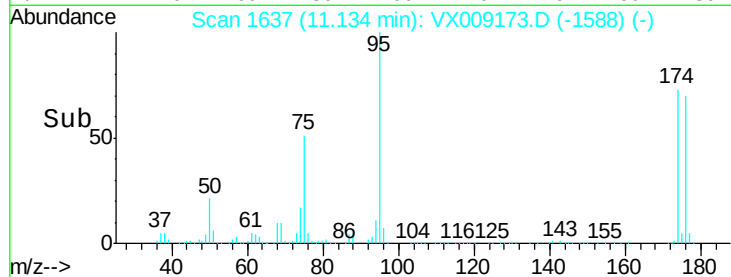
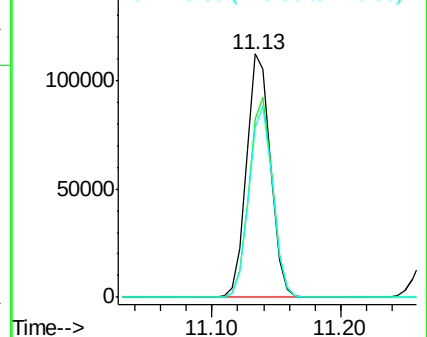
176 77.8 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

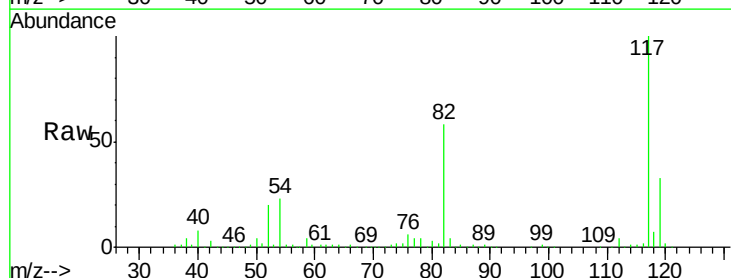
Tgt Ion: 117 Resp: 277556

Ion Ratio Lower Upper

117 100

82 57.6 48.2 72.4

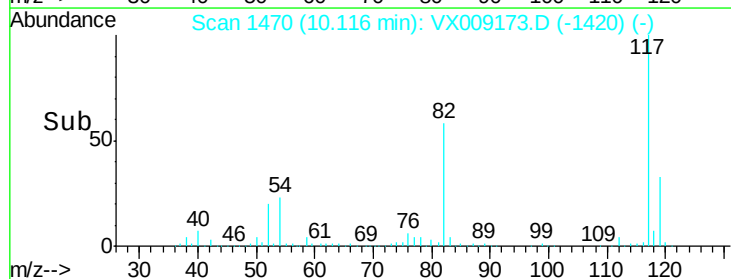
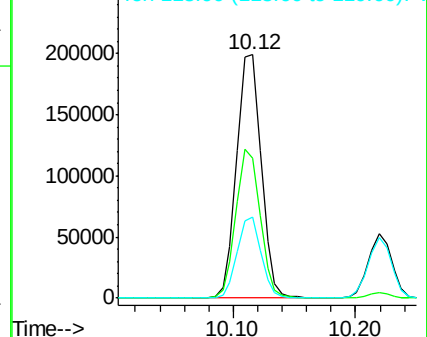
119 33.0 25.0 37.6

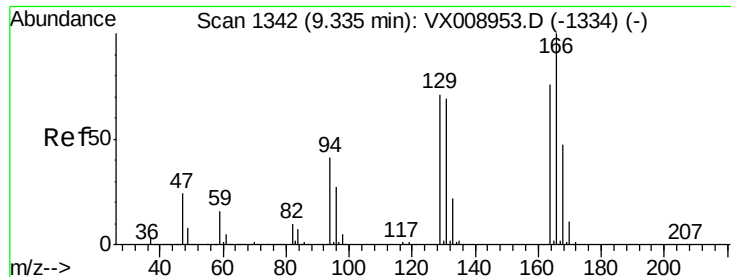


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)





#64

Tetrachloroethene

Concen: 41.858 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:164 Resp: 88259

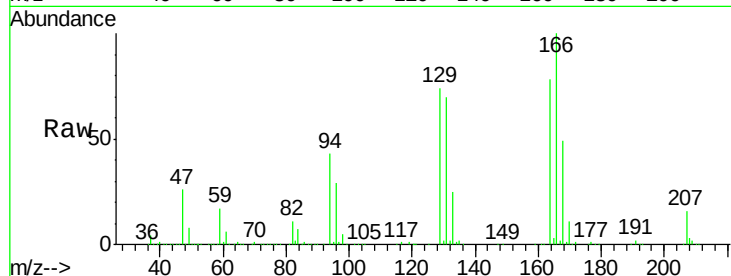
Ion Ratio Lower Upper

164 100

166 127.7 105.0 157.4

129 94.9 74.2 111.4

131 89.3 72.2 108.2

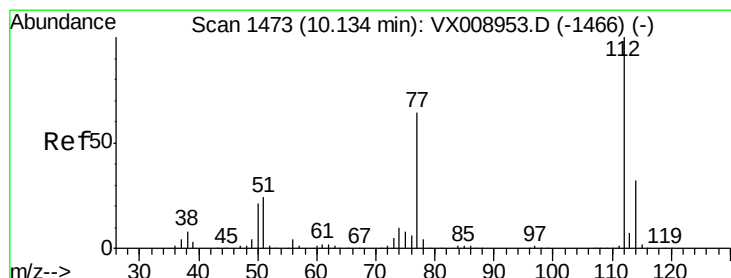
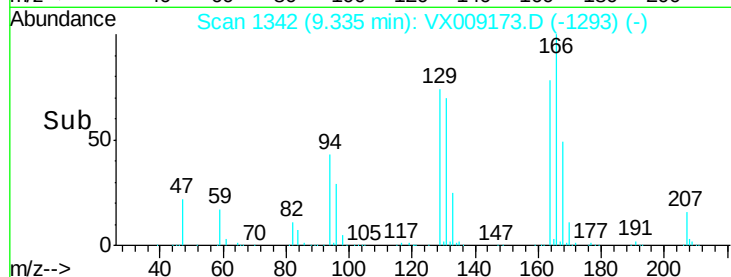
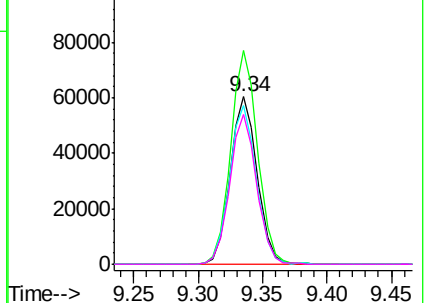


Abundance Ion 163.80 (163.50 to 164.50): V

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: 46.721 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009173.D

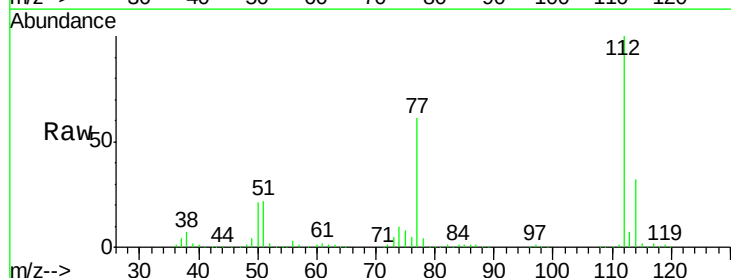
Acq: 25 Apr 2019 19:27

Tgt Ion:112 Resp: 273711

Ion Ratio Lower Upper

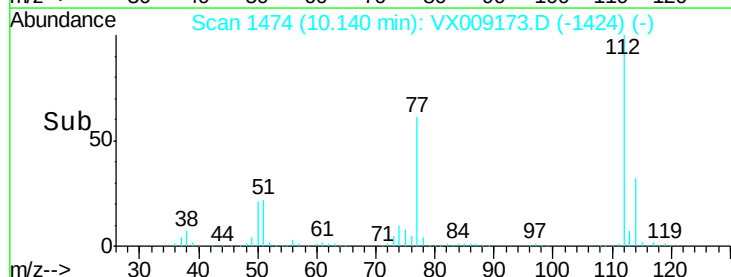
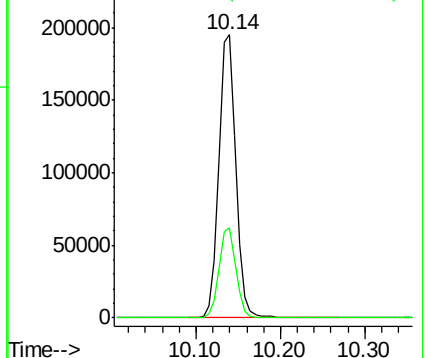
112 100

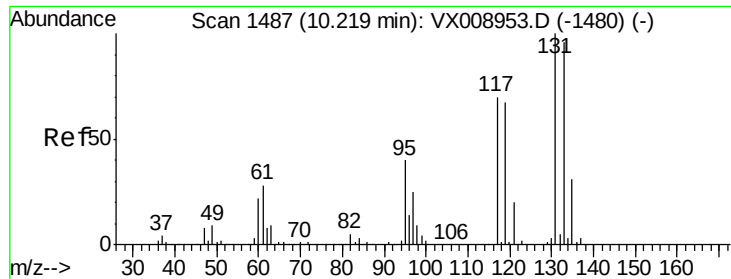
114 32.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

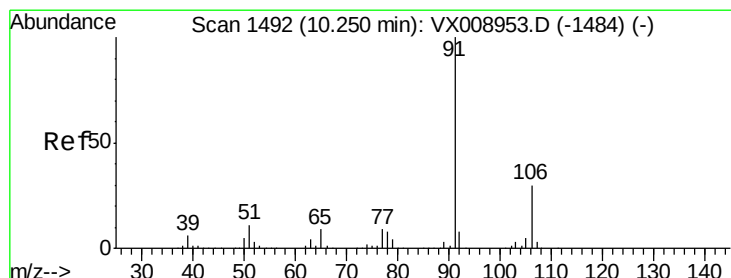
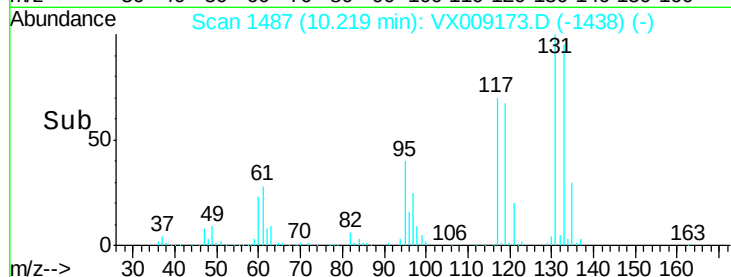
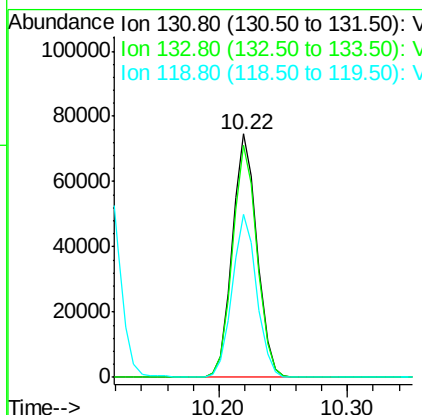
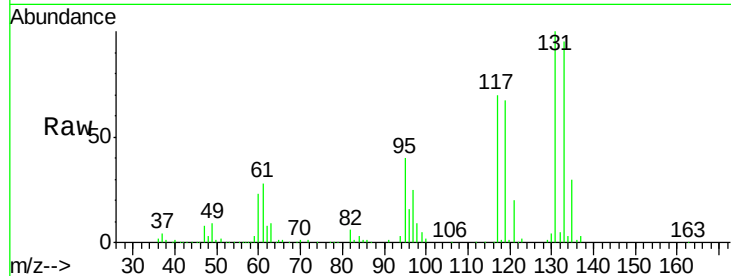




#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.444 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

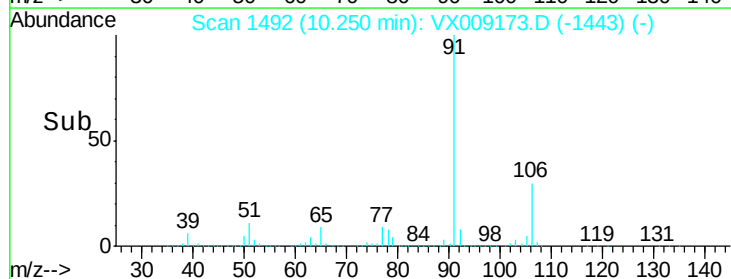
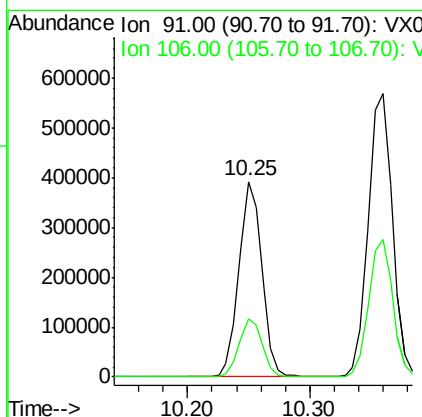
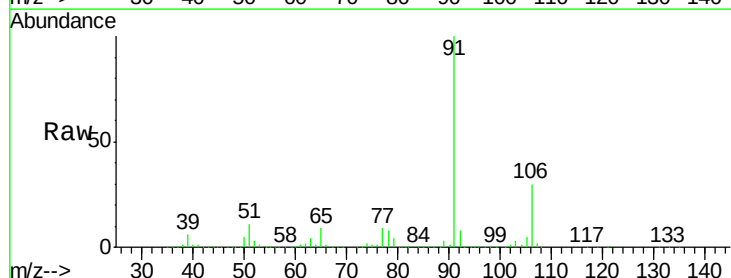
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

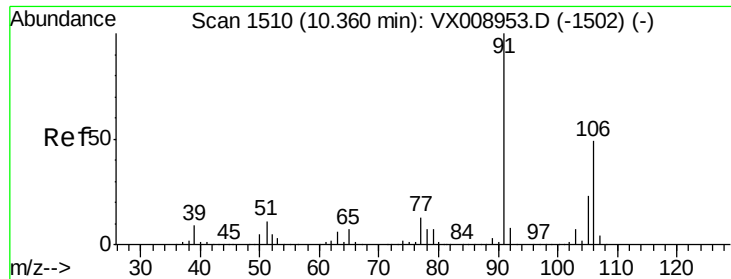
Tot Ion:131 Resp: 99981
 Ion Ratio Lower Upper
 131 100
 133 94.8 48.0 144.2
 119 66.5 33.7 101.1



#67
 Ethyl Benzene
 Concen: 47.600 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 91 Resp: 509767
 Ion Ratio Lower Upper
 91 100
 106 29.7 24.3 36.5

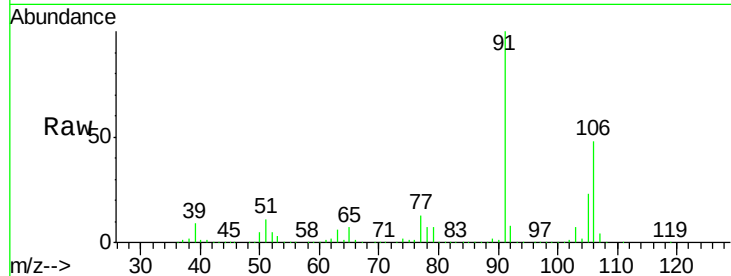




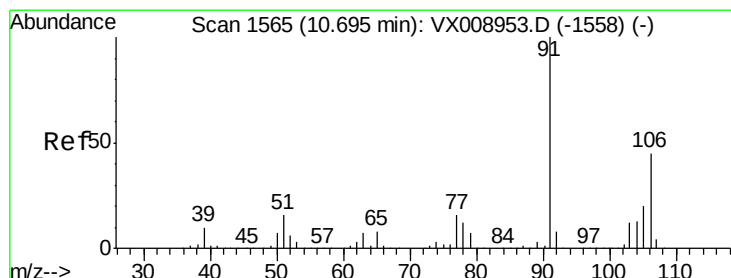
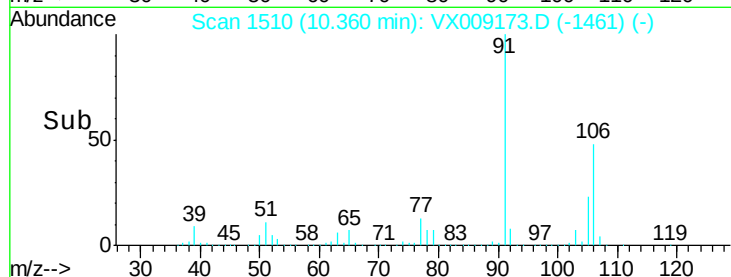
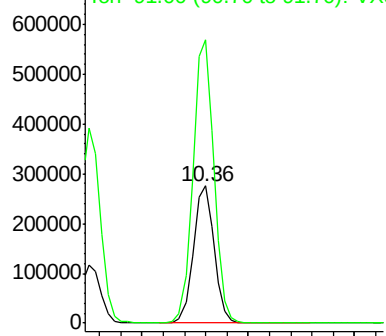
#68
m/p-Xylenes
Concen: 96.044 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion:106 Resp: 373814
Ion Ratio Lower Upper
106 100
91 208.4 165.4 248.2

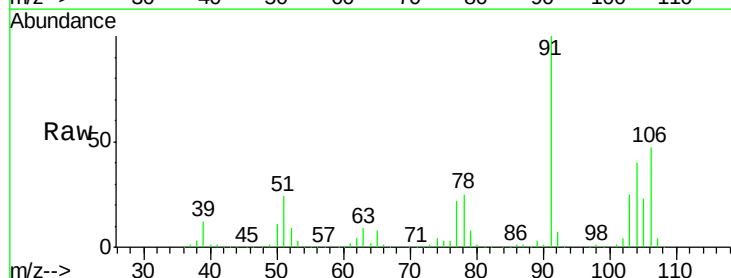


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

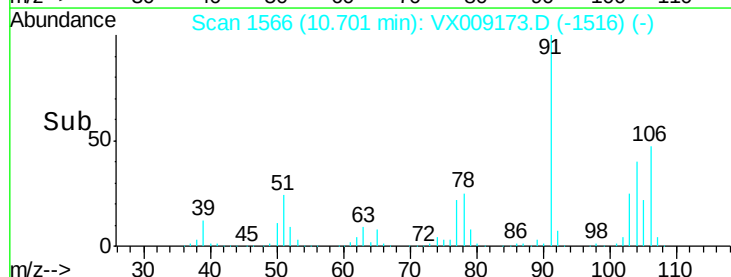
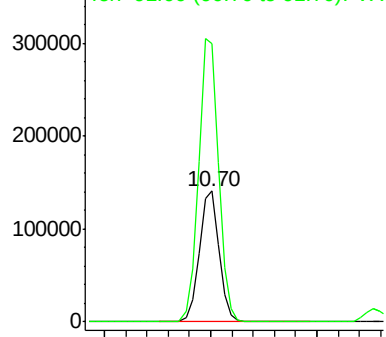


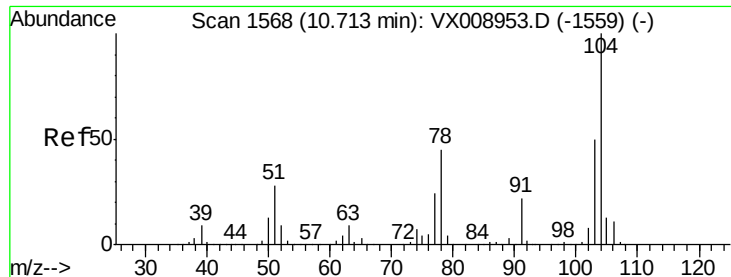
#69
o-Xylene
Concen: 48.393 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion:106 Resp: 183266
Ion Ratio Lower Upper
106 100
91 219.4 108.9 326.7



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





#70

Stvrene

Concen: 48.727 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

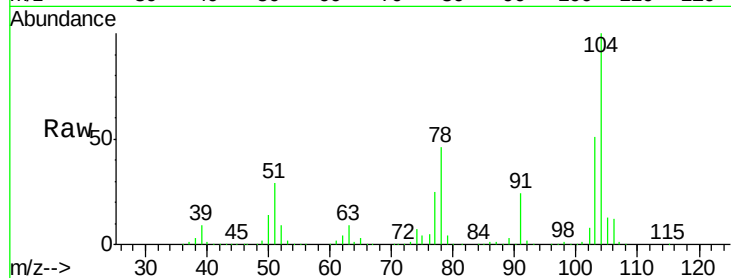
Tot Ion:104 Resp: 319782

Ion Ratio Lower Upper

104 100

78 52.4 41.2 61.8

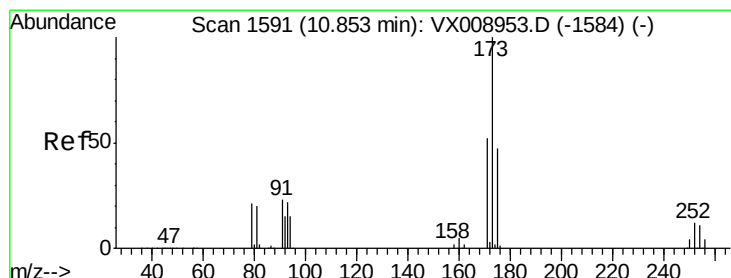
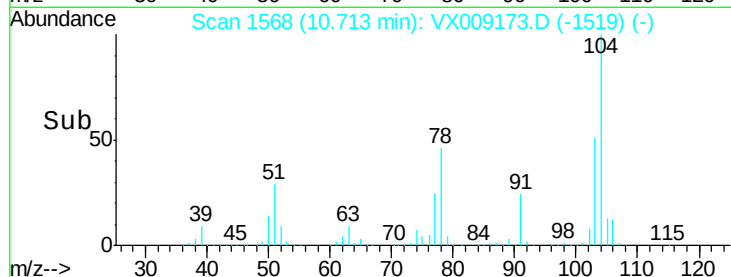
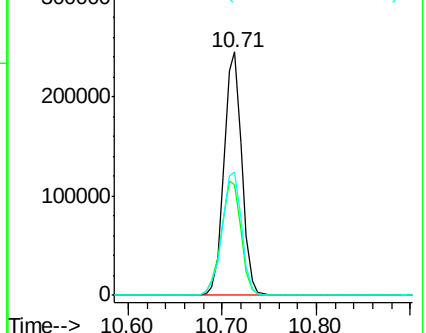
103 55.8 43.9 65.9



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: 50.504 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

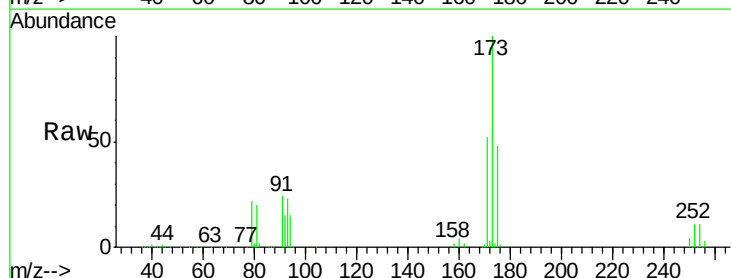
Tgt Ion:173 Resp: 83041

Ion Ratio Lower Upper

173 100

175 48.1 23.9 71.8

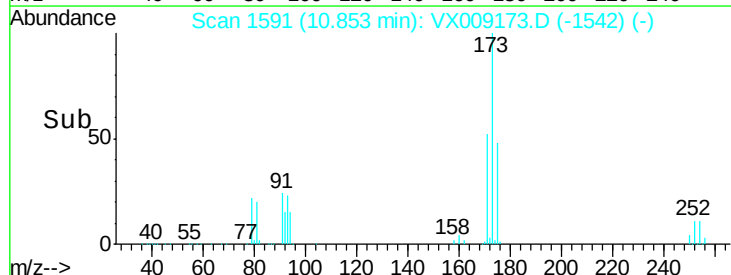
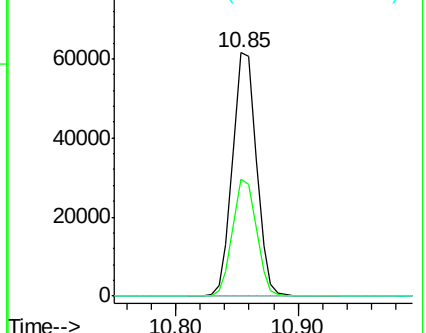
254 0.1 0.2 0.4#

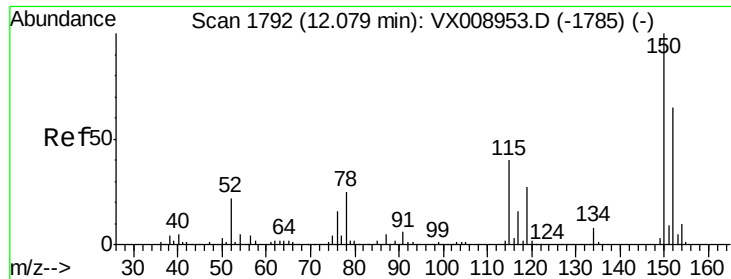


Abundance Ion 172.70 (172.40 to 173.40): V

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: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

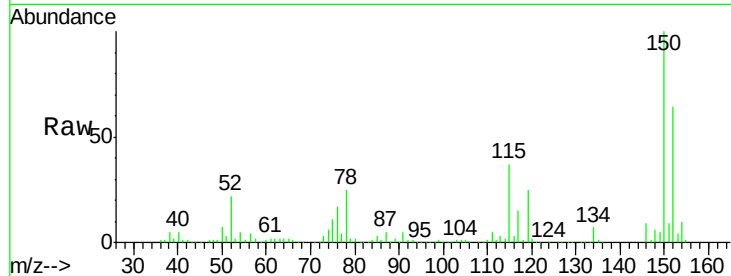
Tot Ion:152 Resp: 133965

Ion Ratio Lower Upper

152 100

115 82.1 41.4 124.2

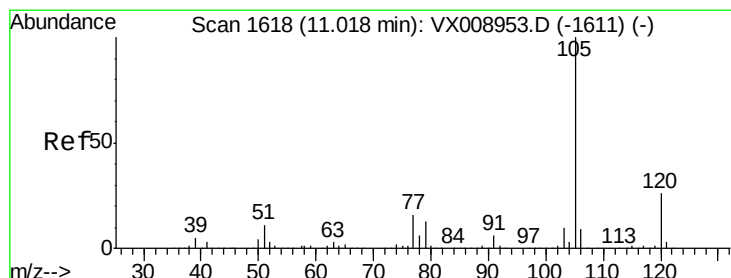
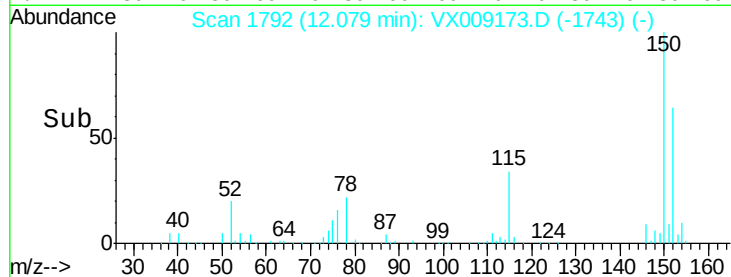
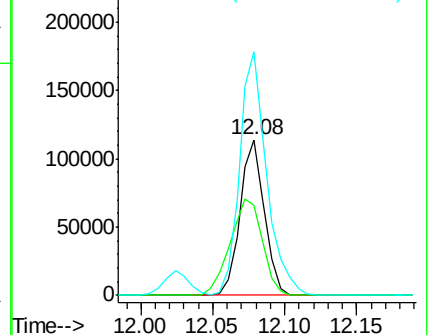
150 174.0 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.993 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009173.D

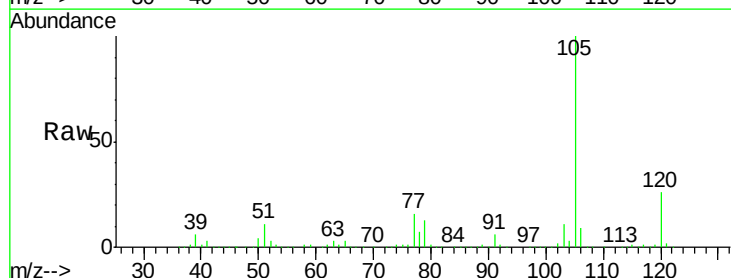
Acq: 25 Apr 2019 19:27

Tgt Ion:105 Resp: 487345

Ion Ratio Lower Upper

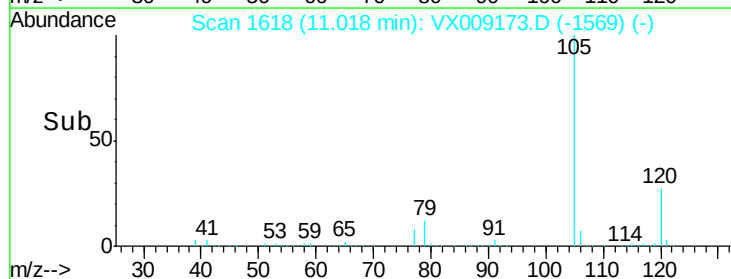
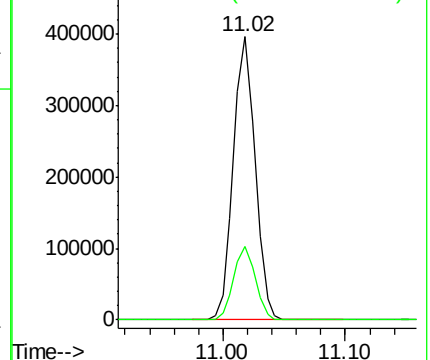
105 100

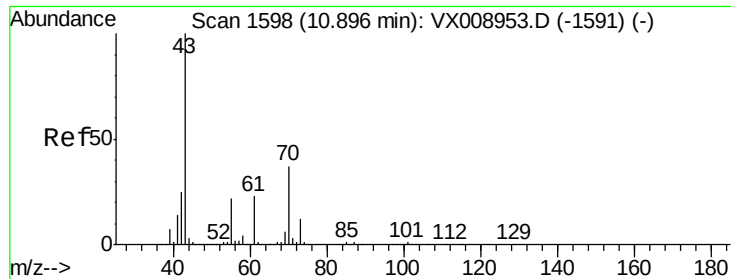
120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

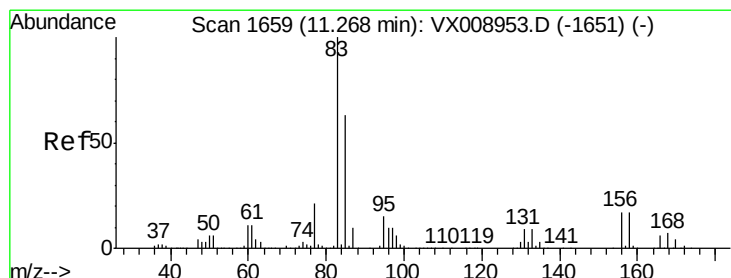
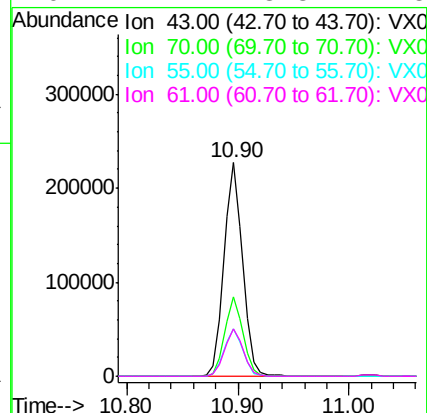
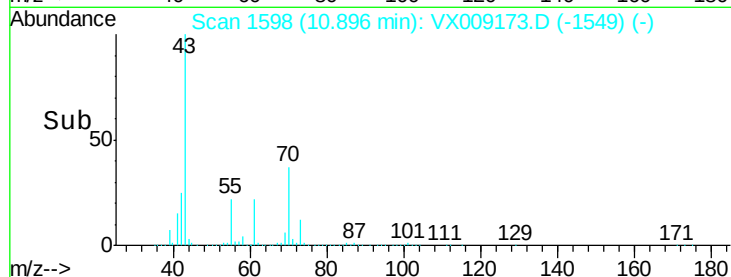
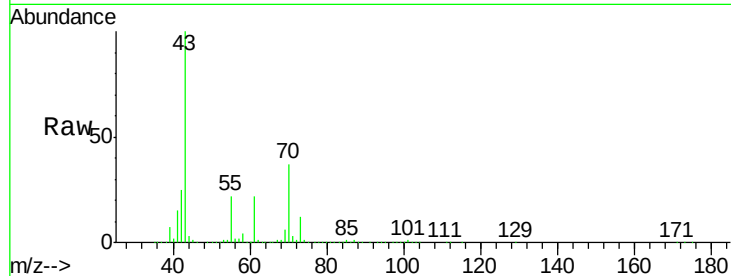




#74
N-amvl acetate
Concen: 44.728 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

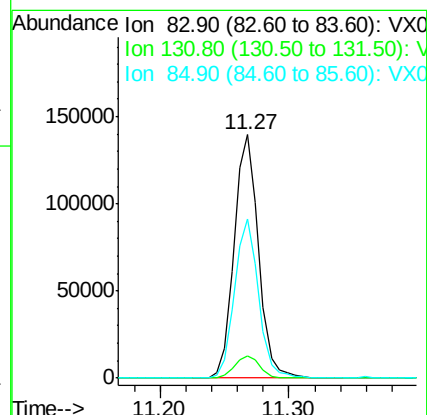
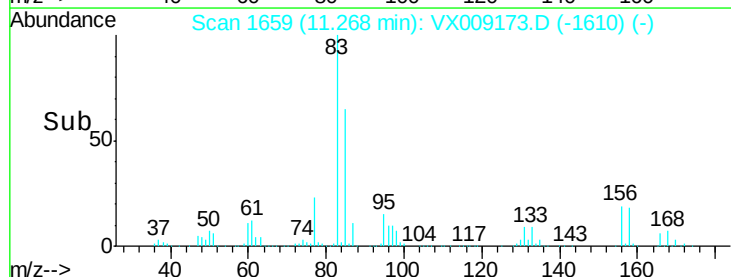
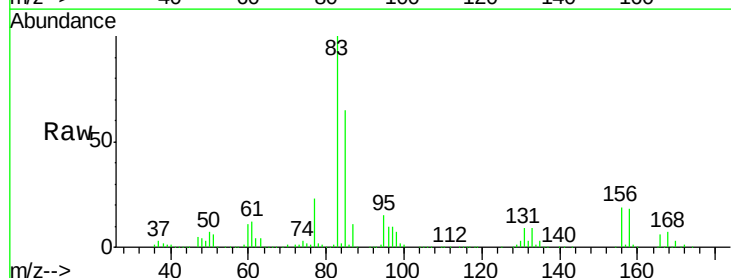
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

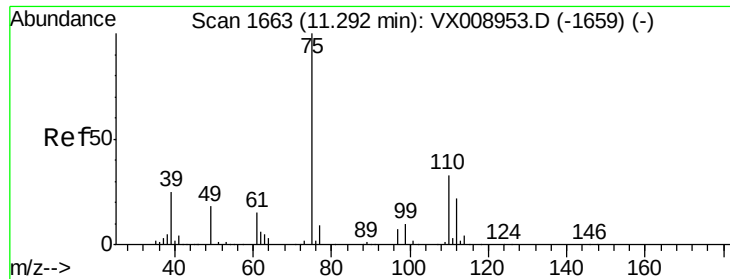
Tot Ion:	43	Resp:	260781
Ion	Ratio	Lower	Upper
43	100		
70	36.9	29.9	44.9
55	22.4	17.8	26.8
61	22.4	18.3	27.5



#75
1,1,2,2-Tetrachloroethane
Concen: 49.863 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion:	83	Resp:	185003
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.7	31.9	95.9





#76

1,2,3-Trichloropropane

Concen: 66.240 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

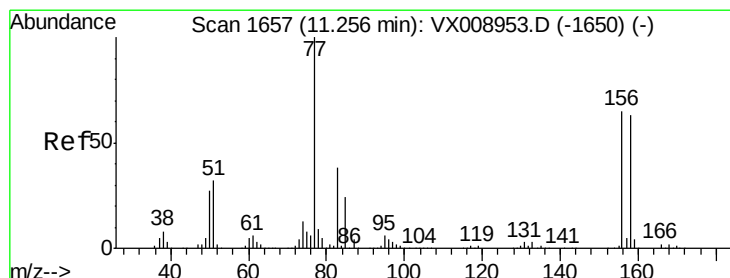
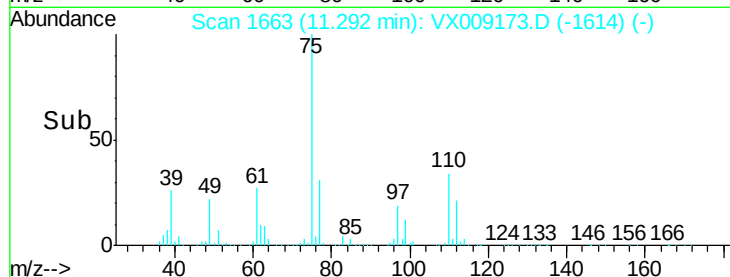
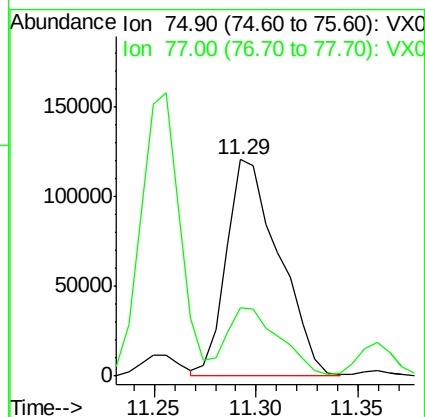
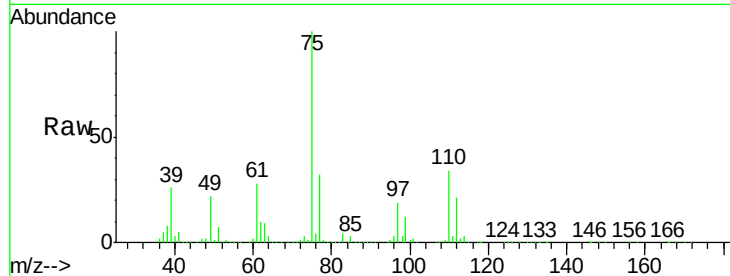
S37-0016MSD

Tot Ion: 75 Resp: 21681

Ion Ratio Lower Upper

75 100

77 31.9 22.7 68.0



#77

Bromobenzene

Concen: 47.023 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

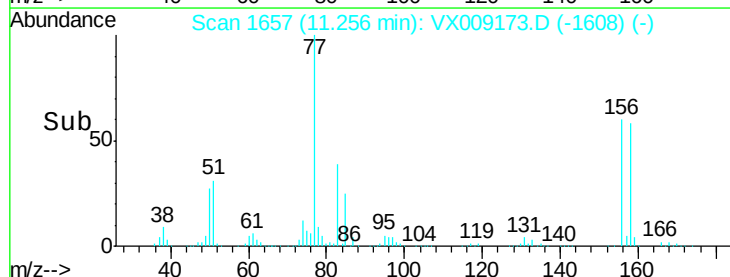
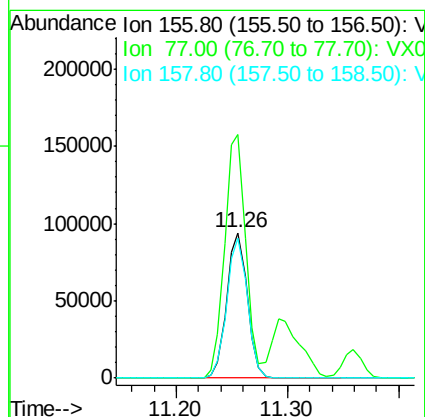
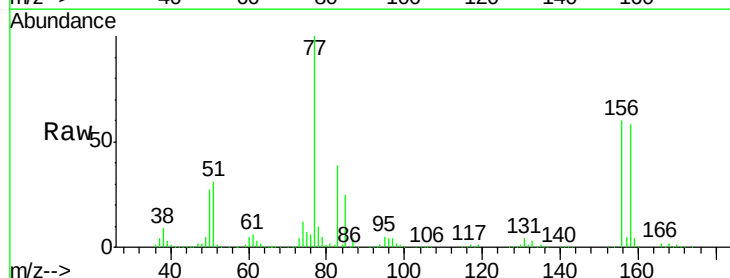
Tgt Ion: 156 Resp: 120475

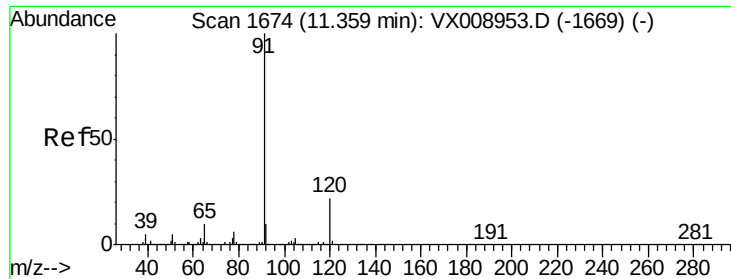
Ion Ratio Lower Upper

156 100

77 171.1 85.4 256.1

158 96.5 48.8 146.4





#78

n-propylbenzene

Concen: 48.269 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

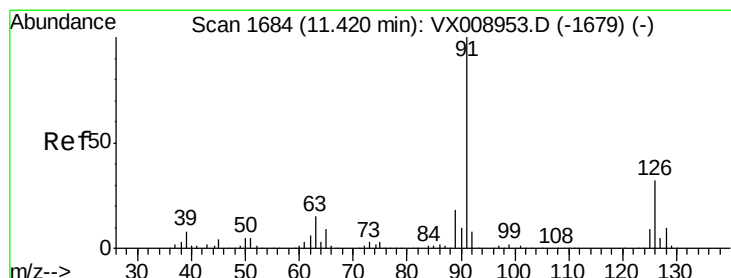
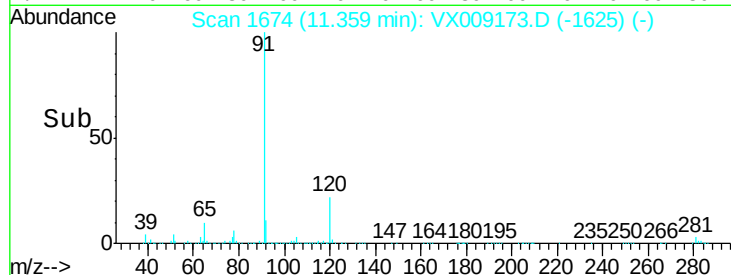
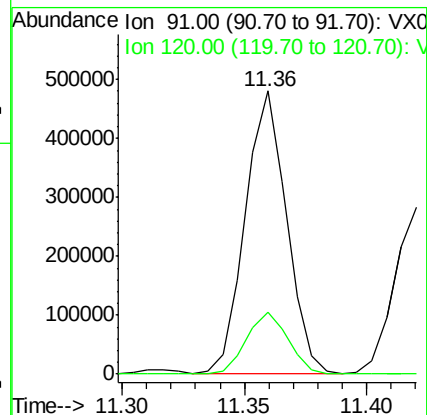
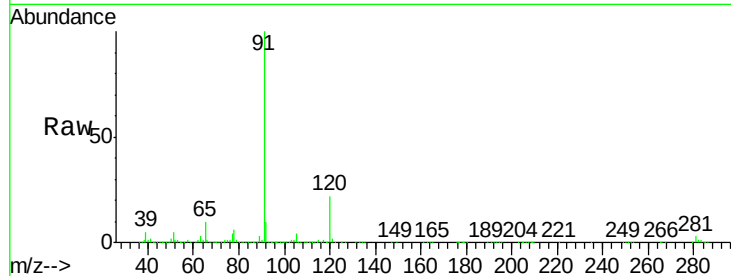
S37-0016MSD

Tot Ion: 91 Resp: 562578

Ion Ratio Lower Upper

91 100

120 22.0 10.9 32.9



#79

2-Chlorotoluene

Concen: 48.226 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009173.D

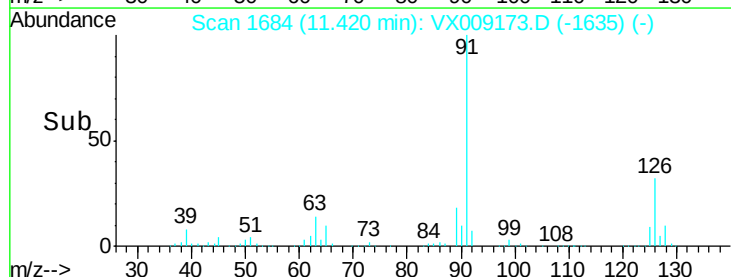
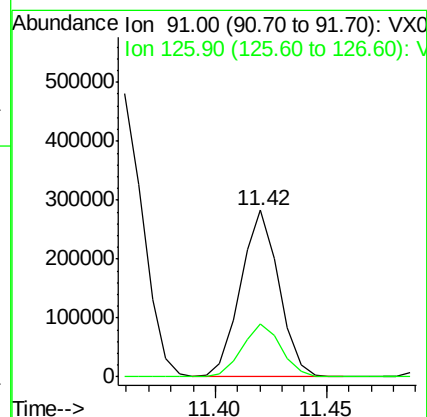
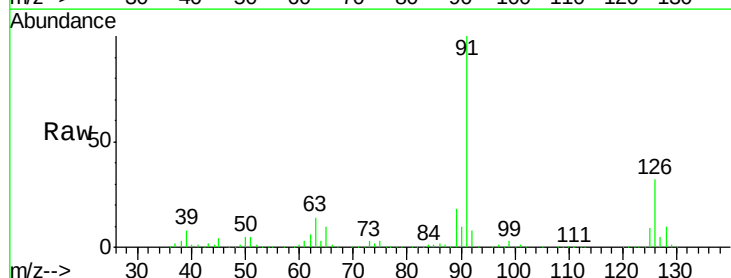
Acq: 25 Apr 2019 19:27

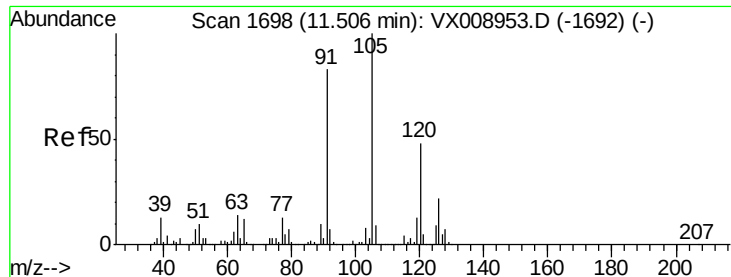
Tgt Ion: 91 Resp: 338704

Ion Ratio Lower Upper

91 100

126 32.2 16.3 48.9

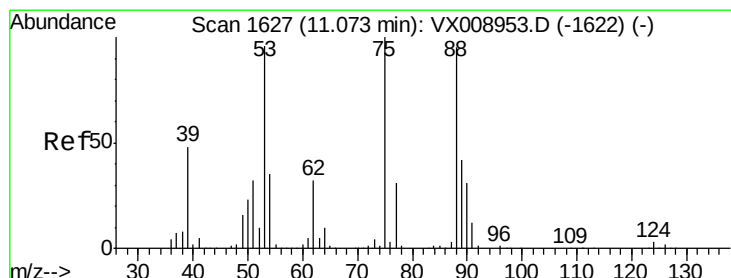
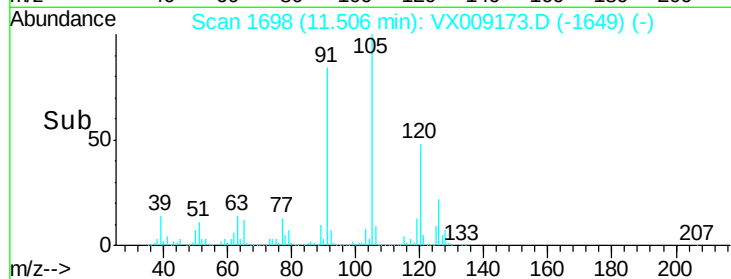
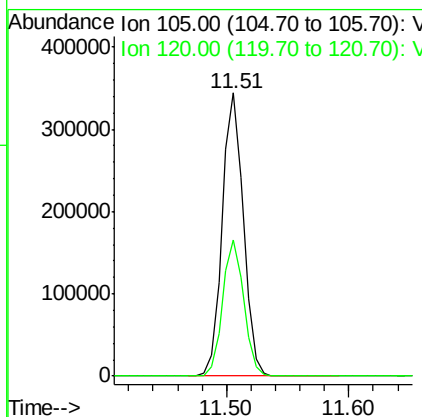
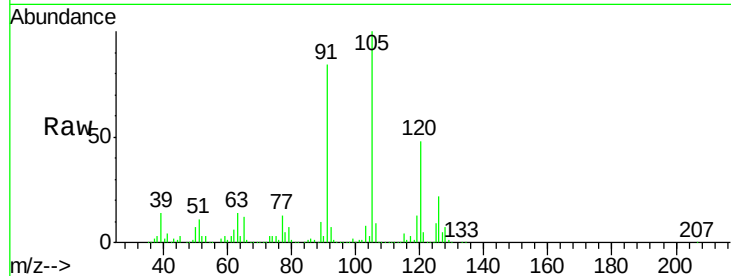




#80
 1,3,5-Trimethylbenzene
 Concen: 48.285 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

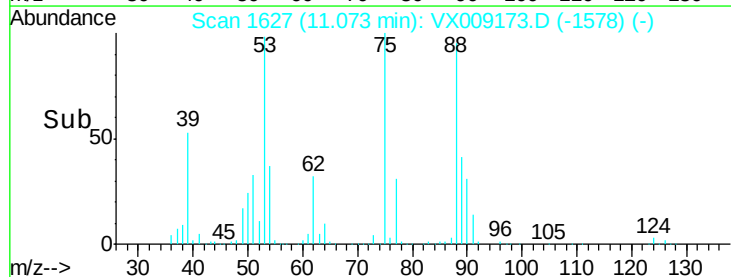
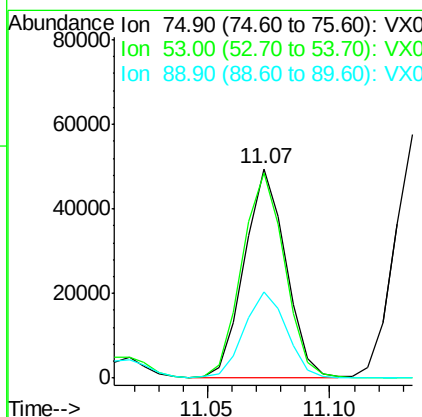
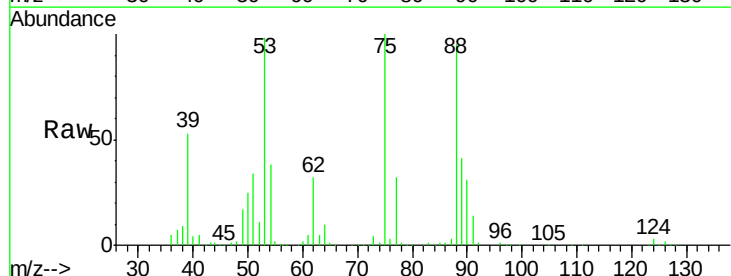
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

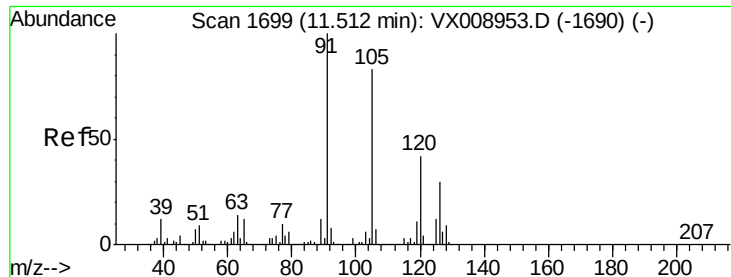
Tot Ion:105 Resp: 411442
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.974 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 75 Resp: 58579
 Ion Ratio Lower Upper
 75 100
 53 100.9 78.2 117.4
 89 42.6 36.0 54.0

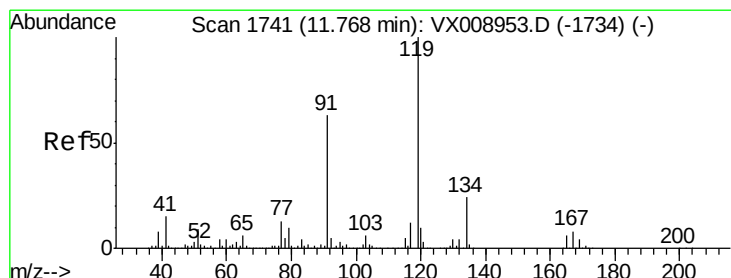
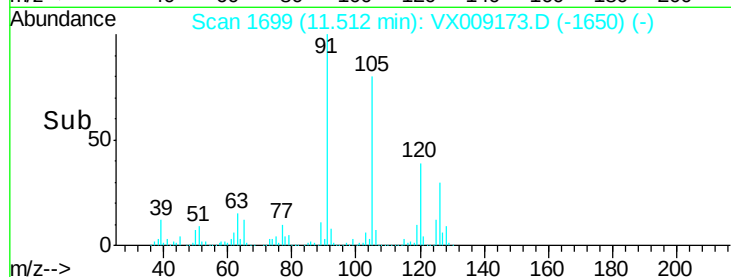
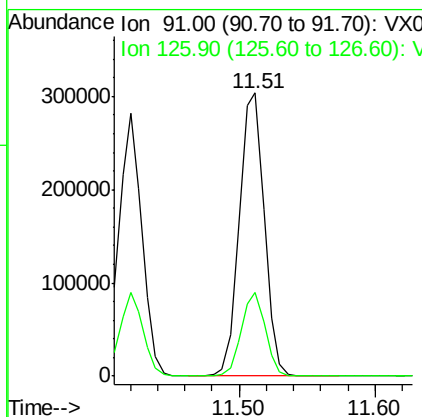
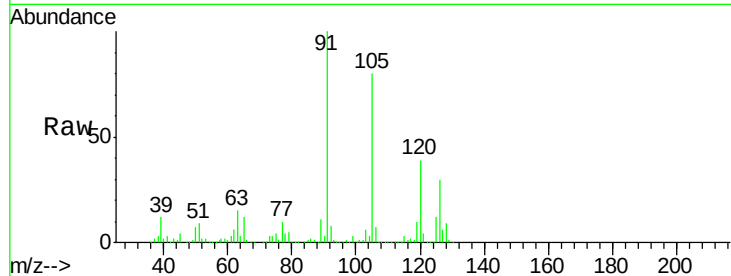




#82
4-Chlorotoluene
Concen: 47.533 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

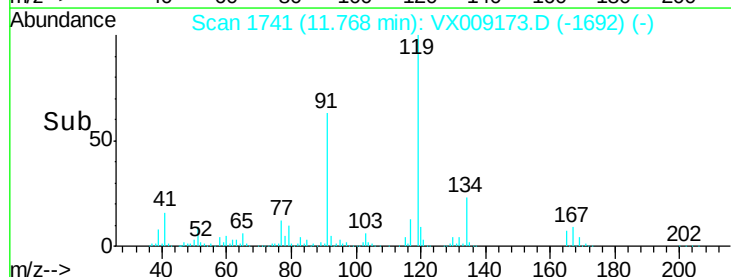
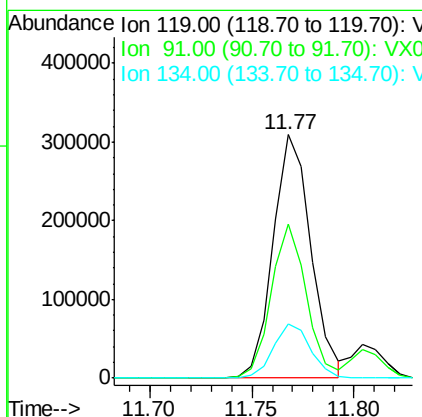
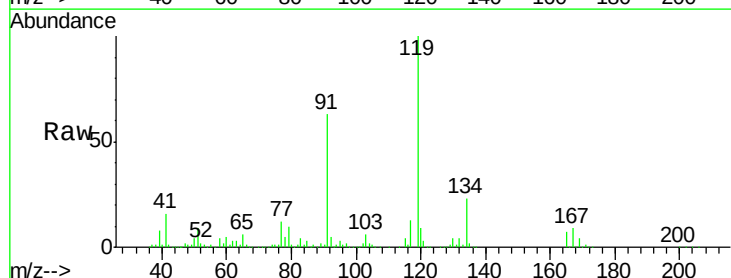
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

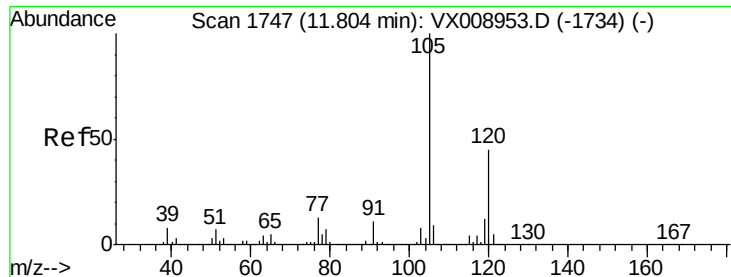
Tot Ion: 91 Resp: 387716
Ion Ratio Lower Upper
91 100
126 28.5 14.3 42.9



#83
tert-Butylbenzene
Concen: 48.849 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 119 Resp: 399639
Ion Ratio Lower Upper
119 100
91 58.8 29.7 89.1
134 22.0 11.2 33.5





#84

1,2,4-Trimethylbenzene

Concen: 47.810 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

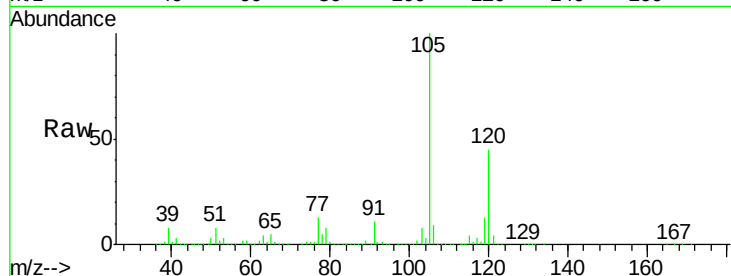
S37-0016MSD

Tot Ion:105 Resp: 414692

Ion Ratio Lower Upper

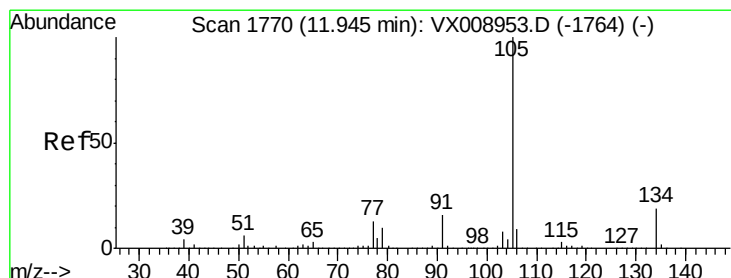
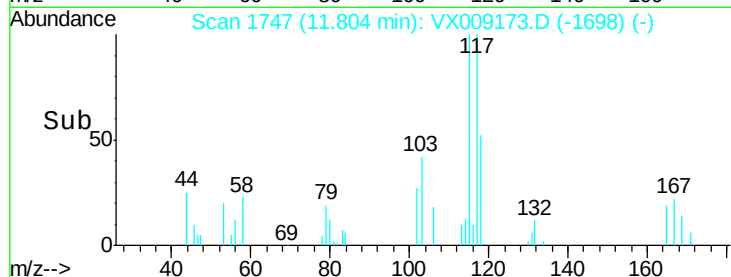
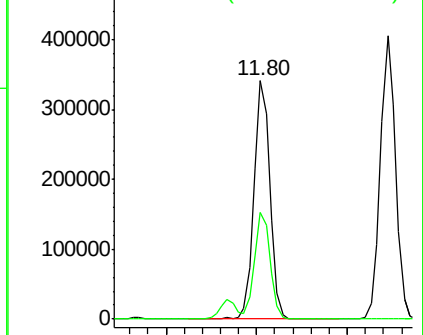
105 100

120 43.8 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 48.292 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009173.D

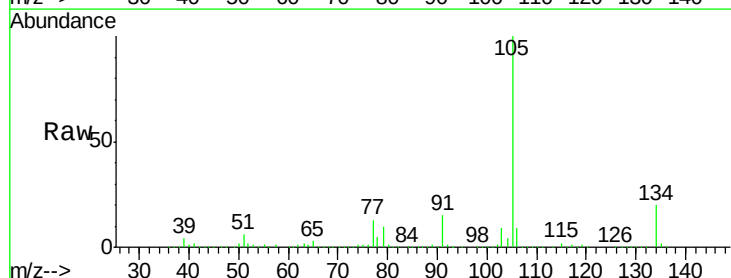
Acq: 25 Apr 2019 19:27

Tgt Ion:105 Resp: 471202

Ion Ratio Lower Upper

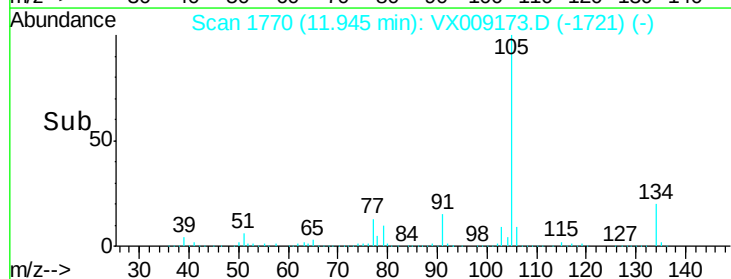
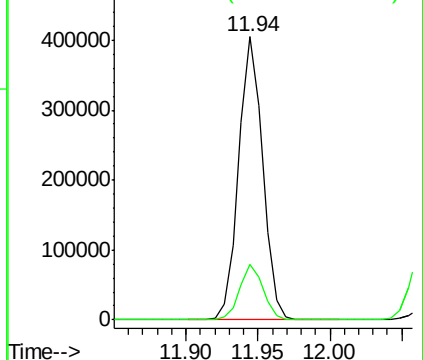
105 100

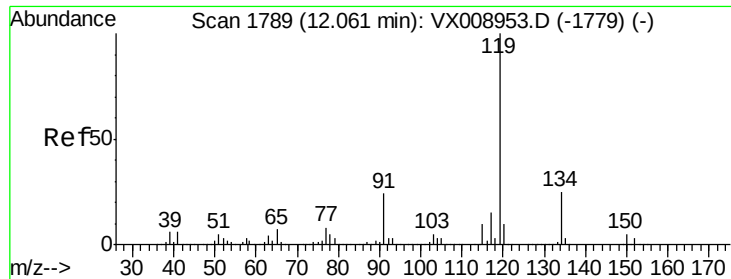
134 19.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

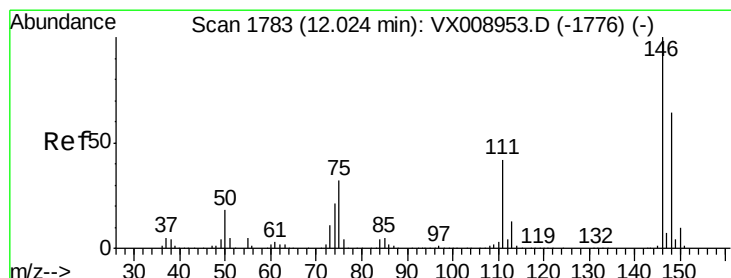
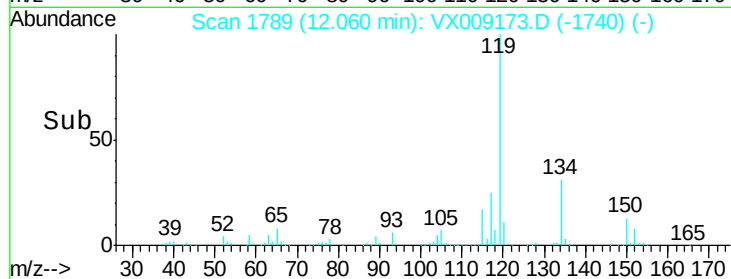
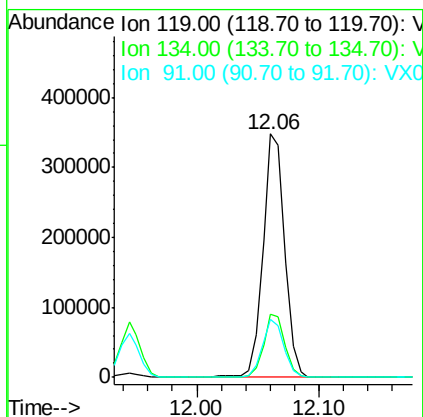
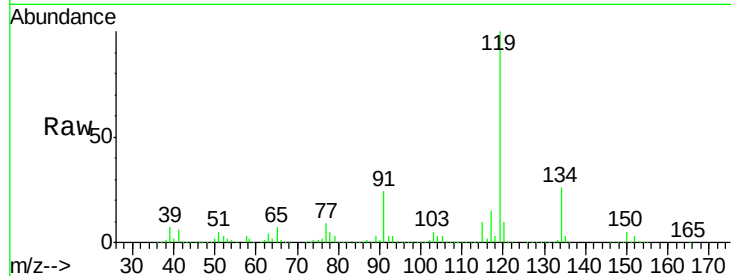




#86
 p-Isopropyltoluene
 Concen: 47.790 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

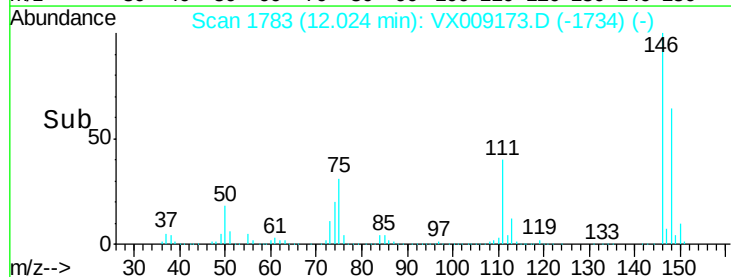
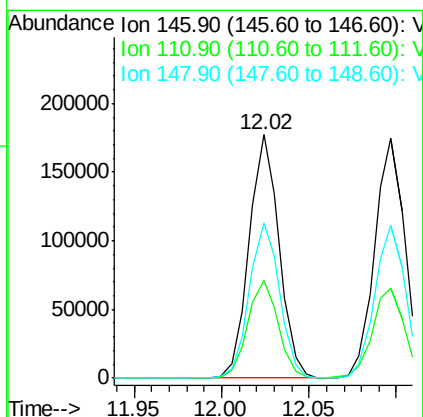
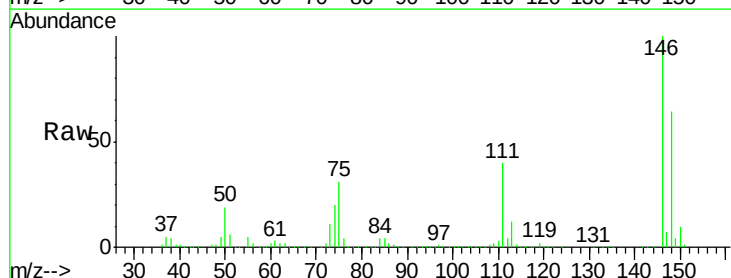
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

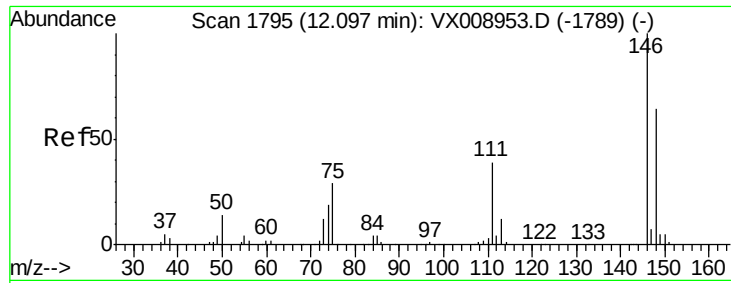
Tot Ion:119 Resp: 428710
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.6
 91 23.6 11.9 35.5



#87
 1,3-Dichlorobenzene
 Concen: 47.020 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion:146 Resp: 210844
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.6
 148 64.2 32.2 96.6

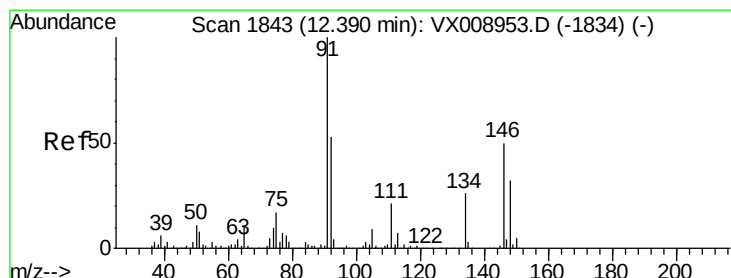
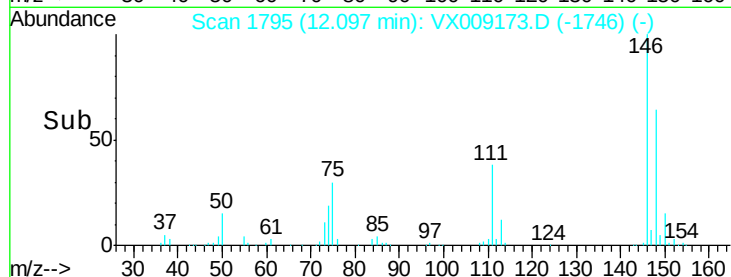
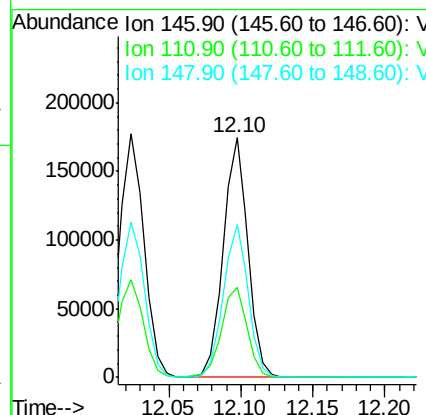
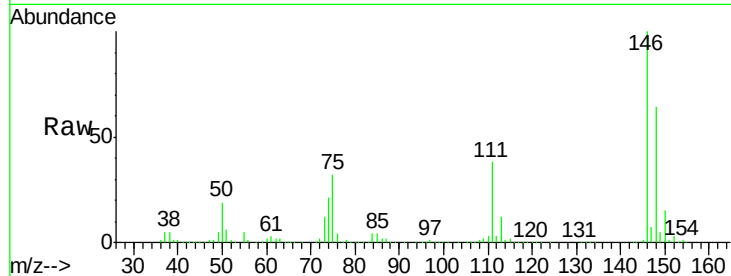




#88
 1,4-Dichlorobenzene
 Concen: 46.038 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

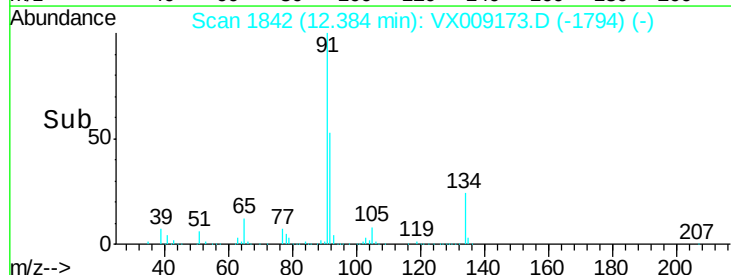
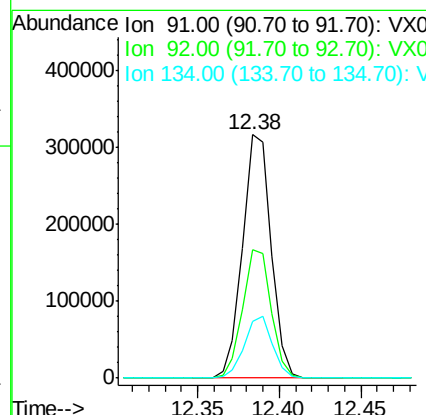
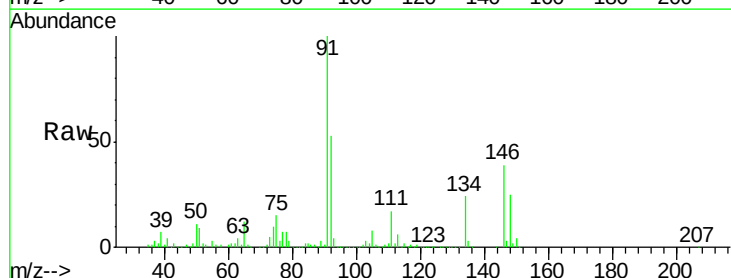
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

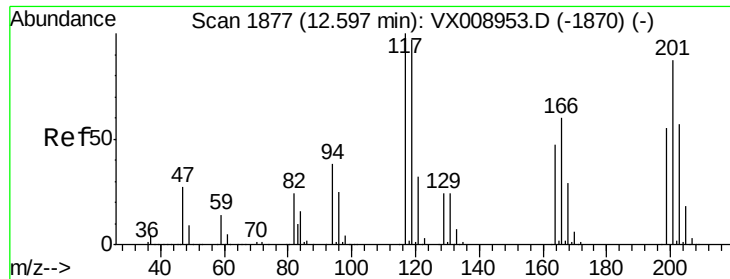
Tot Ion:146 Resp: 209272
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 59.9
 148 64.7 32.2 96.6



#89
 n-Butylbenzene
 Concen: 46.232 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 91 Resp: 386243
 Ion Ratio Lower Upper
 91 100
 92 52.7 26.6 79.8
 134 24.9 12.4 37.2





#90

Hexachloroethane

Concen: 49.419 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

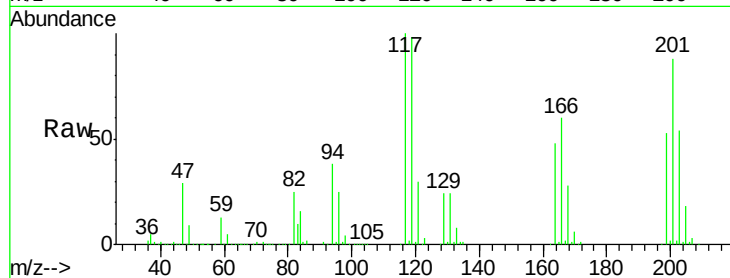
S37-0016MSD

Tot Ion:117 Resp: 73127

Ion Ratio Lower Upper

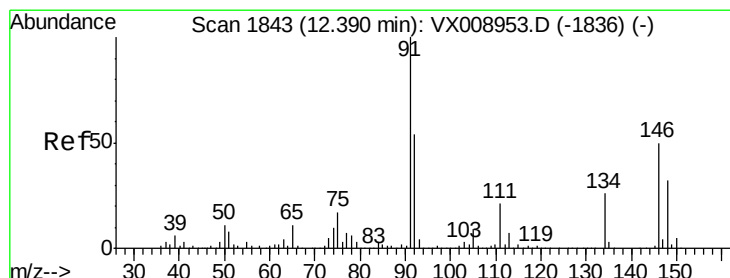
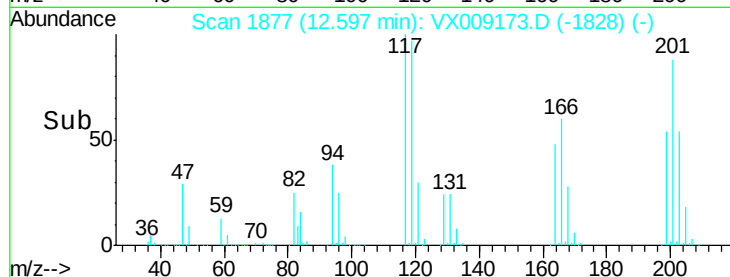
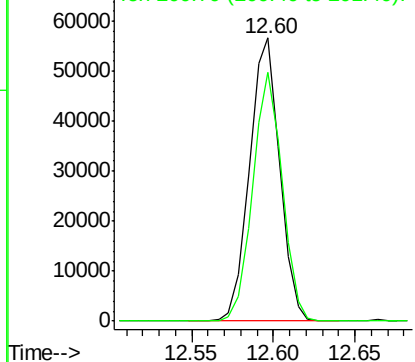
117 100

201 85.6 43.0 129.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 48.502 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

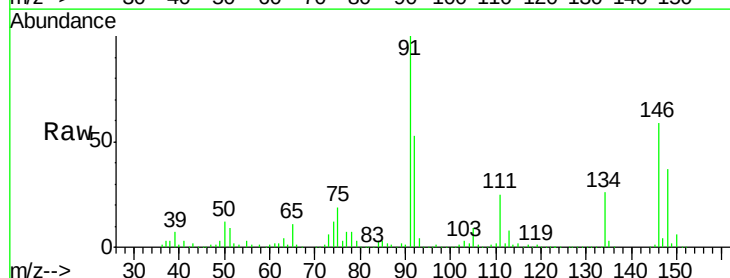
Tgt Ion:146 Resp: 214764

Ion Ratio Lower Upper

146 100

111 41.7 20.6 61.9

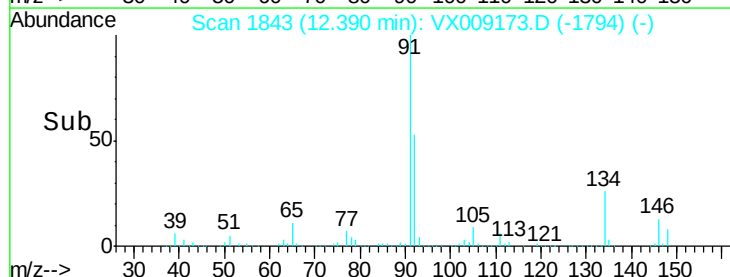
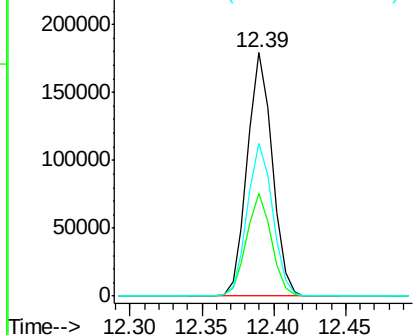
148 63.8 32.0 96.2

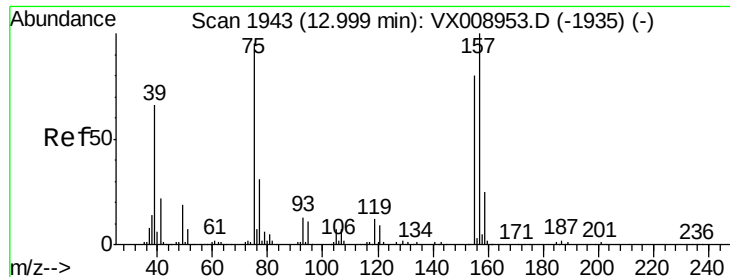


Abundance Ion 145.90 (145.60 to 146.60): V

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: 49.566 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

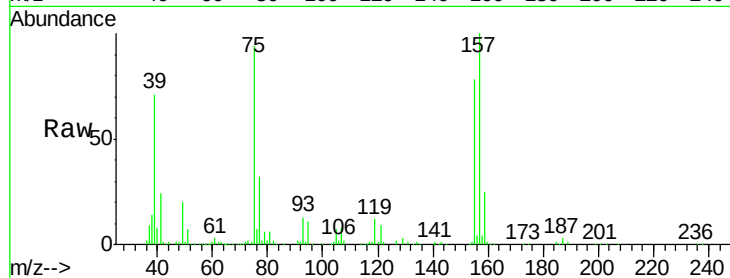
Tot Ion: 75 Resp: 41871

Ion Ratio Lower Upper

75 100

155 81.6 41.2 123.6

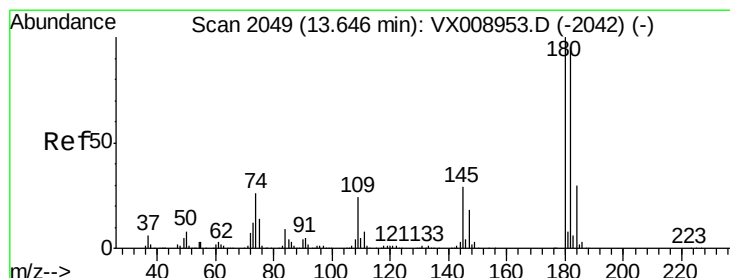
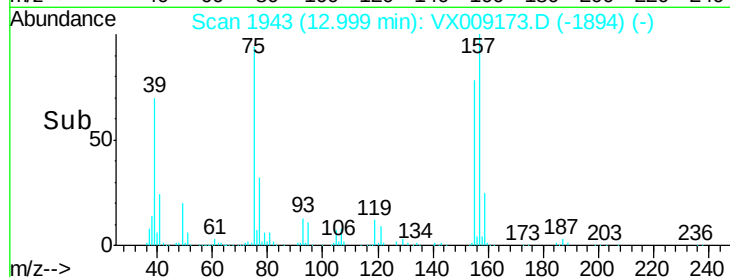
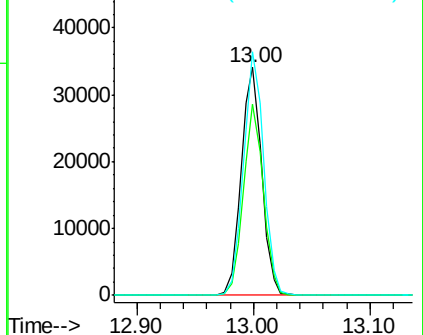
157 105.2 52.5 157.6



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: 46.088 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

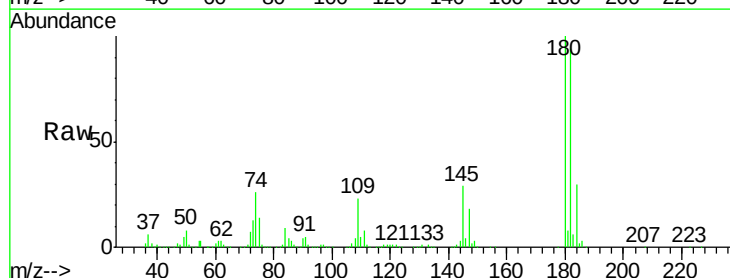
Tgt Ion:180 Resp: 147315

Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.9

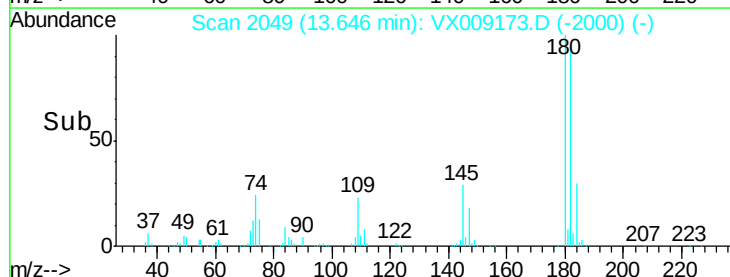
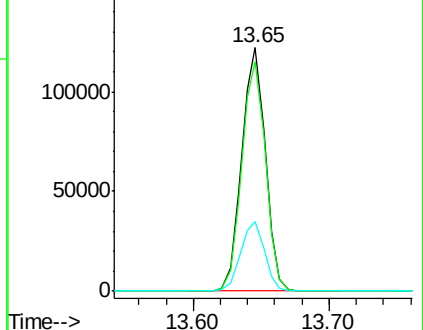
145 29.1 14.8 44.4

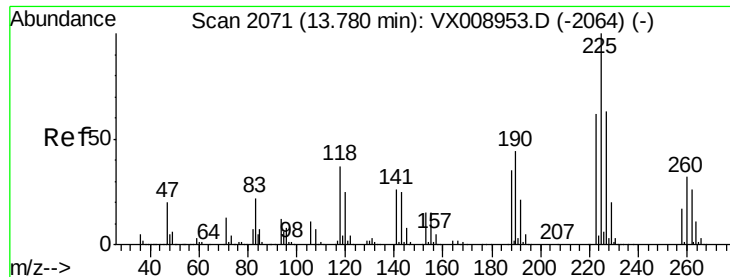


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 46.104 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

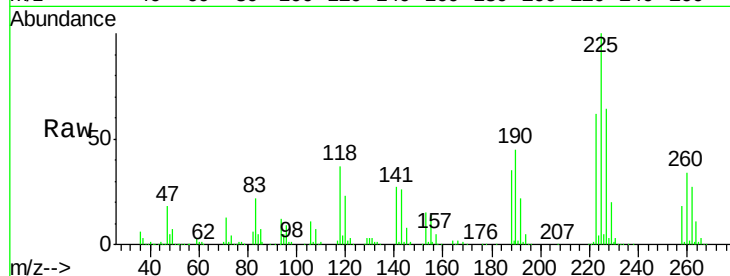
Tot Ion:225 Resp: 73499

Ion Ratio Lower Upper

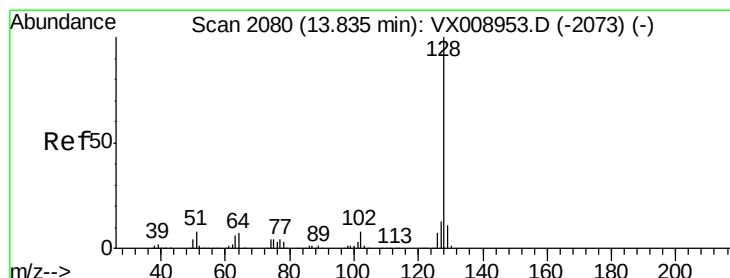
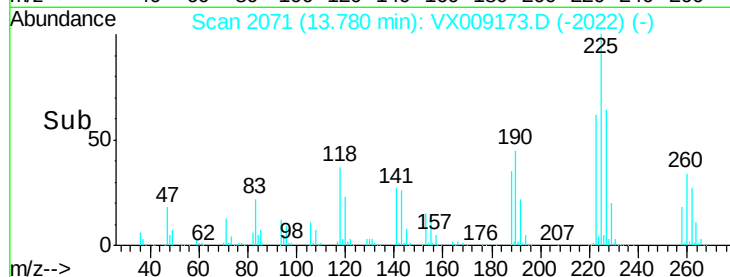
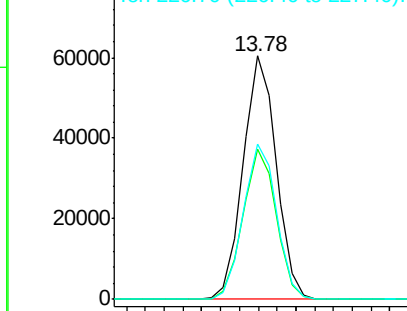
225 100

223 61.9 31.1 93.2

227 64.2 32.0 96.2



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: 48.734 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

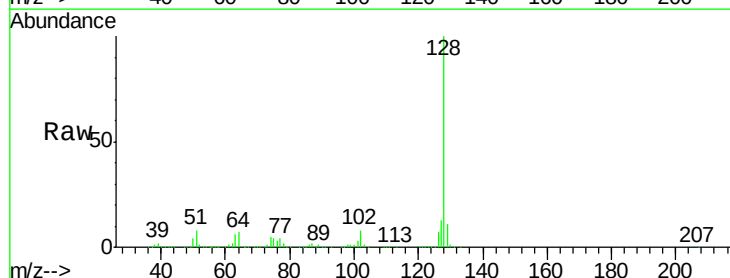
Tgt Ion:128 Resp: 499068

Ion Ratio Lower Upper

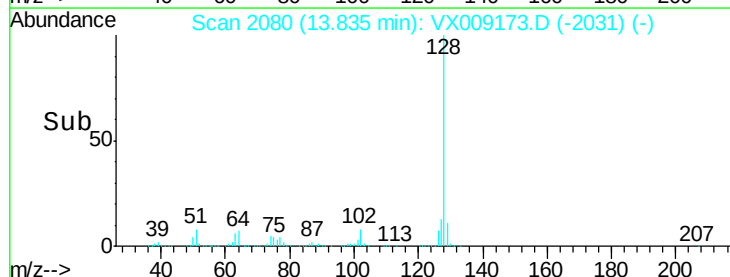
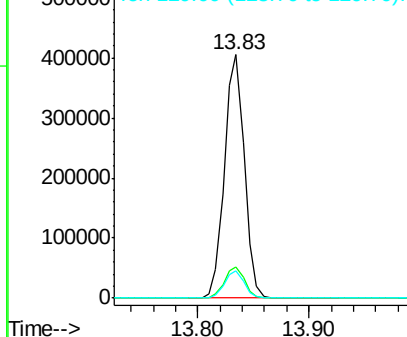
128 100

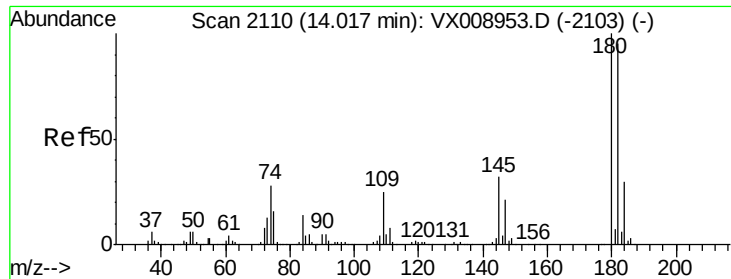
127 13.1 10.6 16.0

129 10.9 8.6 13.0



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

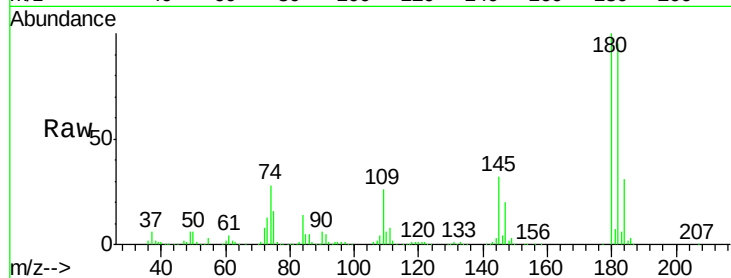




#96
 1,2,3-Trichlorobenzene
 Concen: 46.904 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.4
145	31.3	15.8	47.3



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

