

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005338.D
 Acq On : 15 Oct 2018 12:48
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 03:35:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	141970	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	5.50	113	116113	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	423702	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	149371	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3865	2.002	ug/l	95
3) Chloromethane	1.32	50	5876	2.100	ug/l	95
4) Vinyl Chloride	1.41	62	6340	2.237	ug/l #	81
5) Bromomethane	1.64	94	4644	3.452	ug/l	95
6) Chloroethane	1.71	64	3922	2.457	ug/l	93
7) Trichlorofluoromethane	1.92	101	7932	2.097	ug/l	95
8) Diethyl Ether	2.18	74	3385	2.096	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	4930	2.259	ug/l	98
10) Methyl Iodide	2.51	142	4394	4.233	ug/l #	93
11) Tert butyl alcohol	3.07	59	8460	10.944	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	4625	2.139	ug/l	92
13) Acrolein	2.29	56	6484	11.077	ug/l	92
14) Allyl chloride	2.73	41	10600	2.232	ug/l	95
15) Acrylonitrile	3.15	53	18716	10.684	ug/l	97
16) Acetone	2.45	43	21063	13.293	ug/l	100
17) Carbon Disulfide	2.56	76	14072	2.148	ug/l	100
18) Methyl Acetate	2.78	43	10414	2.310	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	16706	2.193	ug/l	97
20) Methylene Chloride	2.85	84	6178	1.404	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	5272	2.200	ug/l	96
22) Diisopropyl ether	3.87	45	15413	1.933	ug/l #	84
23) Vinyl Acetate	3.82	43	65904	9.455	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	9446	2.067	ug/l	96
25) 2-Butanone	4.70	43	24954	10.764	ug/l	98
26) 2,2-Dichloropropane	4.59	77	7175	2.099	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	5258	2.019	ug/l	84
28) Bromochloromethane	5.02	49	4184	2.008	ug/l #	95
29) Tetrahydrofuran	5.16	42	14575	9.856	ug/l	93
30) Chloroform	5.21	83	9019	2.126	ug/l	95
31) Cyclohexane	5.57	56	7133	1.893	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	7852	2.127	ug/l	98
36) 1,1-Dichloropropene	5.79	75	6229	1.796	ug/l	95
37) Ethyl Acetate	4.86	43	8147	1.826	ug/l	97
38) Carbon Tetrachloride	5.77	117	6742	1.934	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	6877	1.832	ug/l	89
40) Benzene	6.14	78	19628	1.886	ug/l	97
41) Methacrylonitrile	5.06	41	4338	1.814	ug/l	92
42) 1,2-Dichloroethane	6.20	62	7255	1.975	ug/l	94
43) Isopropyl Acetate	6.46	43	11635	1.958	ug/l	98
44) Trichloroethene	7.22	130	5708	1.545	ug/l	99
45) 1,2-Dichloropropane	7.52	63	5277	2.067	ug/l	95
46) Dibromomethane	7.66	93	3431	2.037	ug/l	96
47) Bromodichloromethane	7.90	83	6329	2.031	ug/l	99
48) Methyl methacrylate	7.77	41	5306	1.722	ug/l	96
49) 1,4-Dioxane	7.76	88	2867	40.331	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	37150	9.029	ug/l	93
52) Toluene	8.79	92	12708	2.232	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	6374	1.890	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	6600	1.806	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	5073	2.104	ug/l	98
56) Ethyl methacrylate	9.18	69	6639	1.889	ug/l	93
57) 1,3-Dichloropropane	9.37	76	8452	2.100	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	17502	8.878	ug/l	96
59) 2-Hexanone	9.50	43	30146	9.108	ug/l	92
60) Dibromochloromethane	9.59	129	4861	1.950	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5012	1.981	ug/l	98
64) Tetrachloroethene	9.34	164	5563	2.084	ug/l	97
65) Chlorobenzene	10.14	112	14208	2.015	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	4966	1.976	ug/l	95
67) Ethyl Benzene	10.25	91	21376	1.865	ug/l	97
68) m/p-Xylenes	10.36	106	16335	3.671	ug/l	100
69) o-Xylene	10.70	106	7572	1.765	ug/l	96
70) Styrene	10.71	104	11797	1.671	ug/l	95
71) Bromoform	10.86	173	3965	1.766	ug/l #	97
73) Isopropylbenzene	11.02	105	20072	1.884	ug/l	98
74) N-amyl acetate	10.90	43	9213	1.793	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	8237	2.050	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	8833	2.541	ug/l	93
77) Bromobenzene	11.26	156	6438	2.114	ug/l	98
78) n-propylbenzene	11.36	91	23802	1.942	ug/l	100
79) 2-Chlorotoluene	11.42	91	15419	2.054	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	16636	1.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	74069	64.750	ug/l #	10
82) 4-Chlorotoluene	11.51	91	17402	1.955	ug/l	98
83) tert-Butylbenzene	11.77	119	17034	1.844	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	16484	1.756	ug/l	100
85) sec-Butylbenzene	11.94	105	19781	1.809	ug/l	100
86) p-Isopropyltoluene	12.07	119	17773	1.799	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11296	1.985	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	12452	2.139	ug/l	86
89) n-Butylbenzene	12.39	91	15670	1.747	ug/l	95
90) Hexachloroethane	12.60	117	3011	1.768	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	11603	1.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1820	1.857	ug/l	95

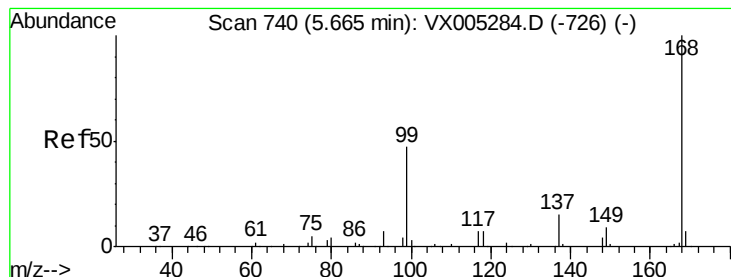
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	8013	1.880	ug/l	98
94) Hexachlorobutadiene	13.78	225	4367	1.940	ug/l	93
95) Naphthalene	13.83	128	20095	1.626	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	8296	1.903	ug/l	94

(#) = 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: VX005338.D

Acq: 15 Oct 2018 12:48

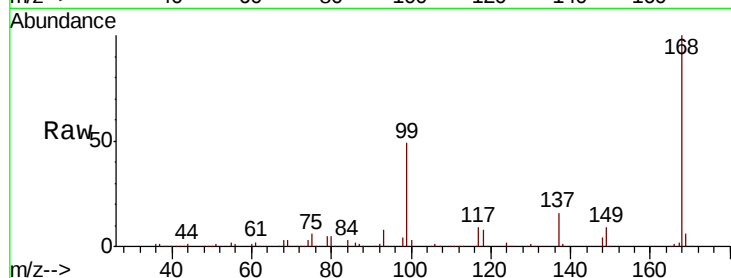
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 246925

Ion Ratio Lower Upper

168 100

99 49.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

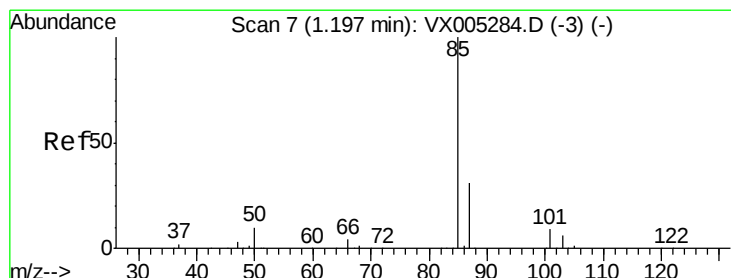
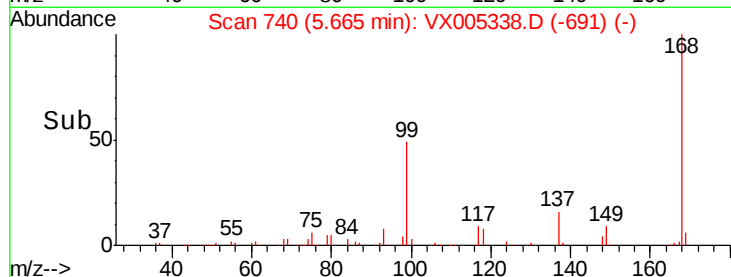
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.002 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005338.D

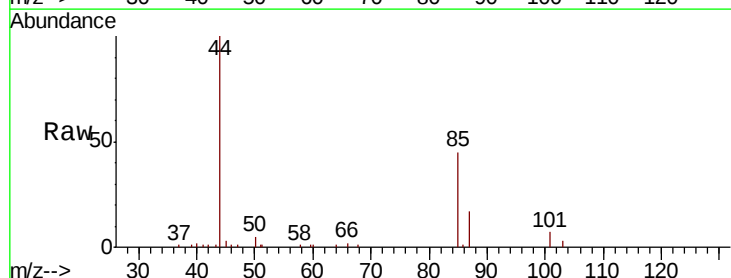
Acq: 15 Oct 2018 12:48

Tgt Ion: 85 Resp: 3865

Ion Ratio Lower Upper

85 100

87 36.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

4000

3000

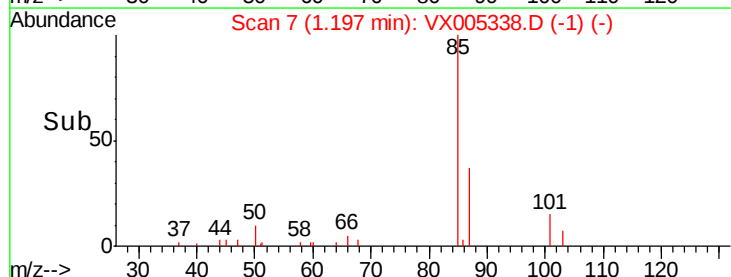
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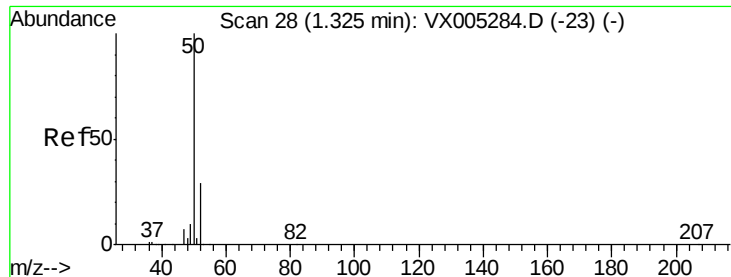
1000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 2.100 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

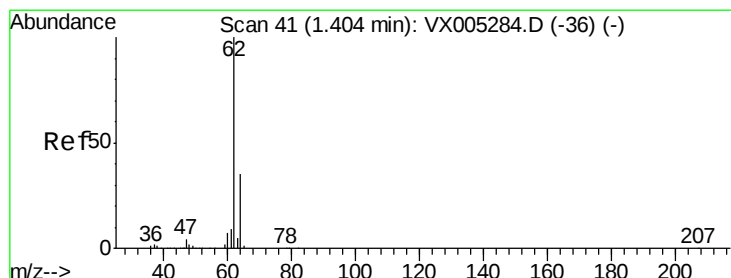
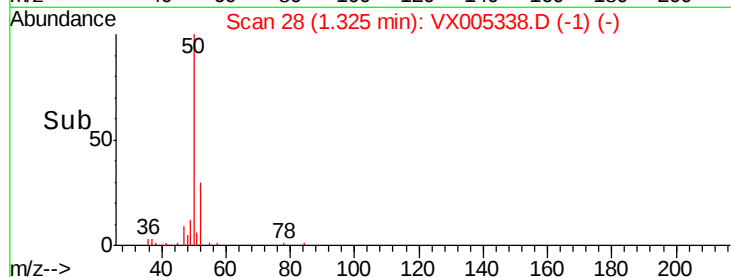
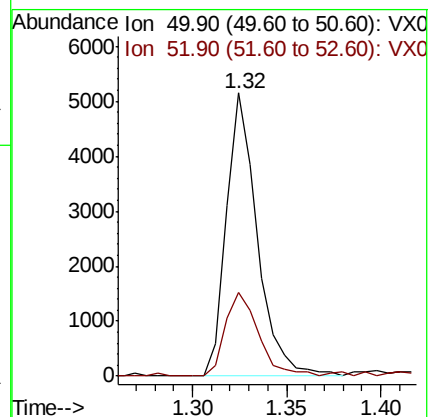
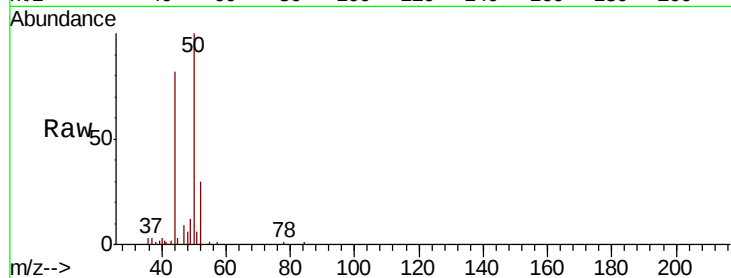
ClientSampleId :

Tot Ion: 50 Resp: 5876

Ion Ratio Lower Upper

50 100

52 29.7 26.2 39.2



#4

Vinyl Chloride

Concen: 2.237 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005338.D

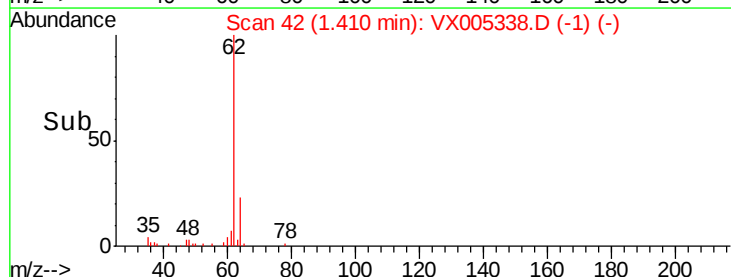
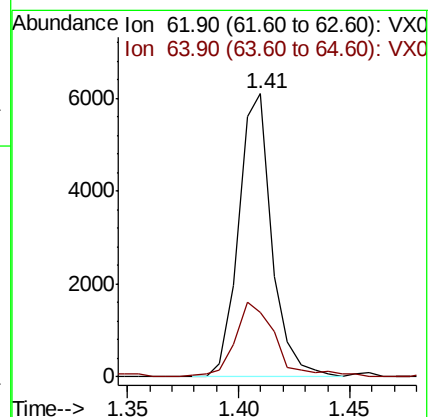
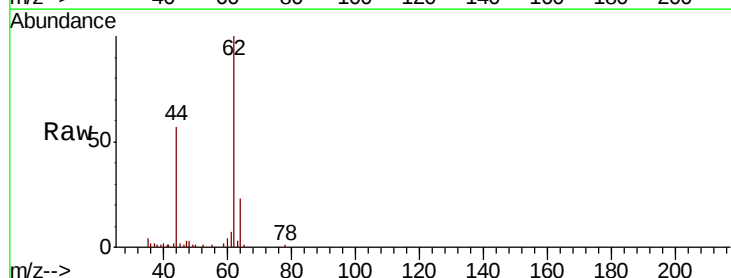
Acq: 15 Oct 2018 12:48

Tgt Ion: 62 Resp: 6340

Ion Ratio Lower Upper

62 100

64 21.9 25.8 38.8#





#5

Bromomethane

Concen: 3.452 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

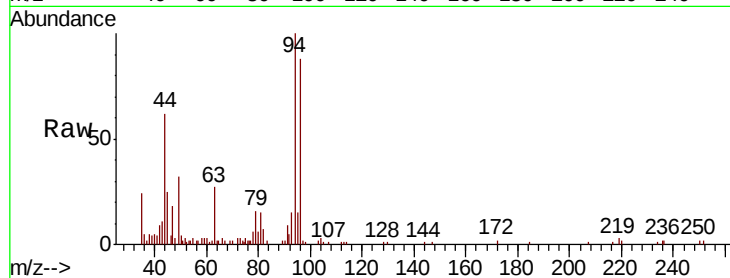
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 4644

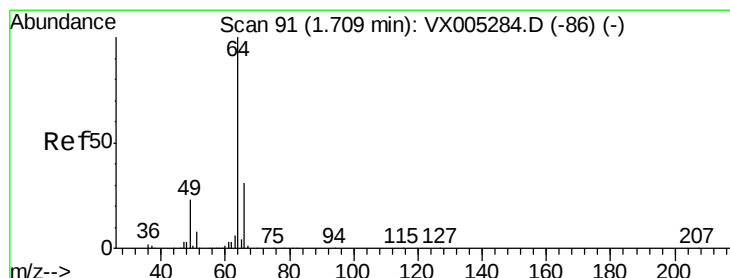
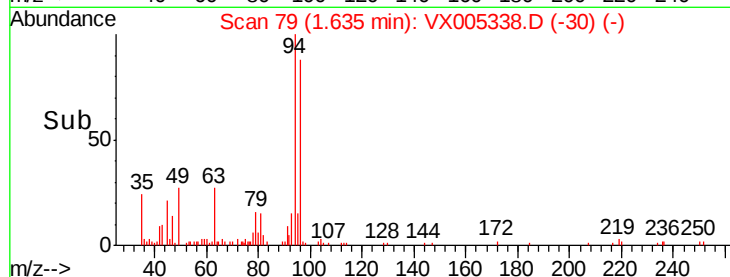
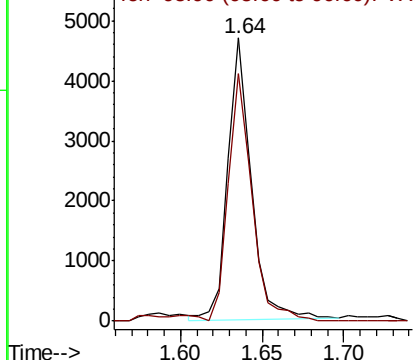
Ion Ratio Lower Upper

94 100

96 88.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.457 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005338.D

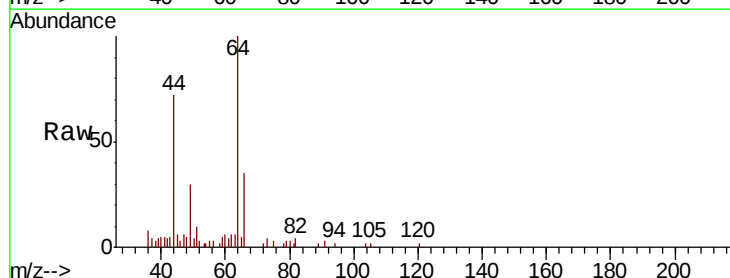
Acq: 15 Oct 2018 12:48

Tgt Ion: 64 Resp: 3922

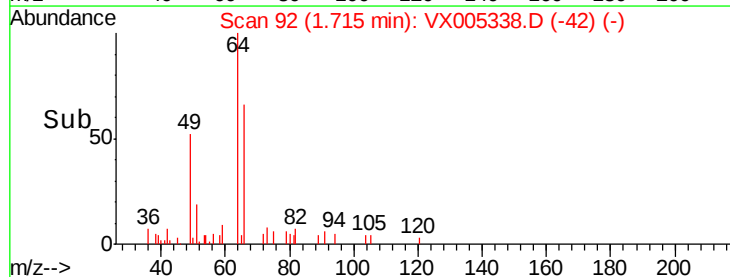
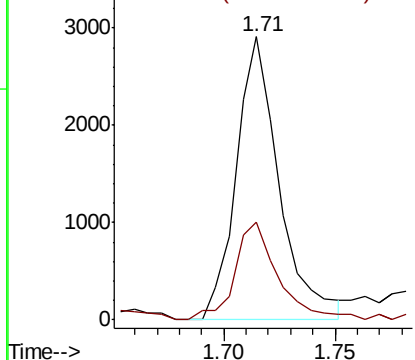
Ion Ratio Lower Upper

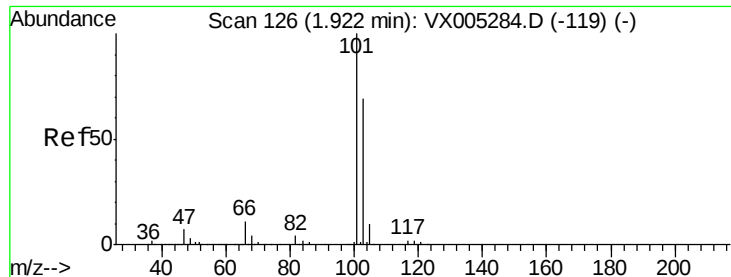
64 100

66 34.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



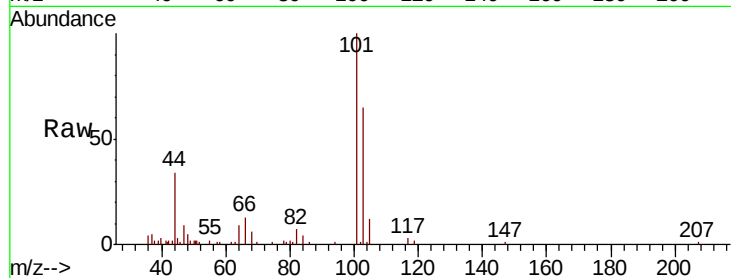


#7

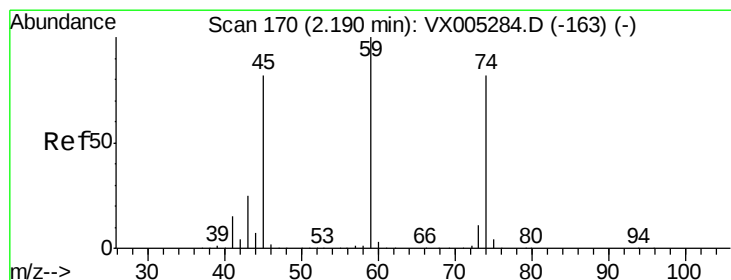
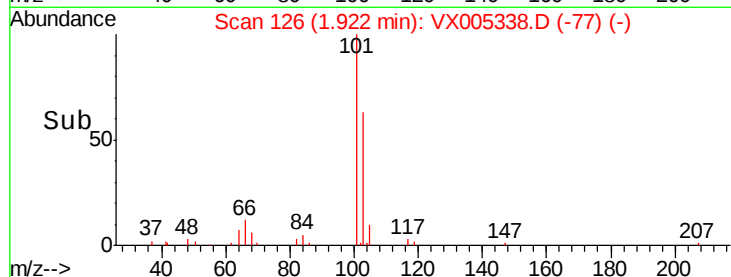
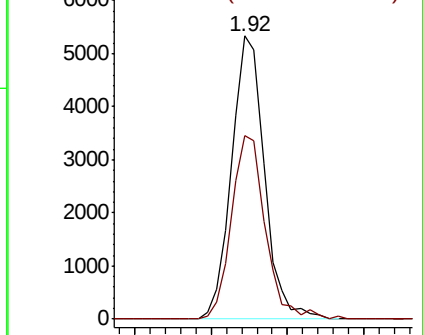
Trichlorofluoromethane
Concen: 2.097 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 7932
Ion Ratio Lower Upper
101 100
103 65.0 48.9 73.3



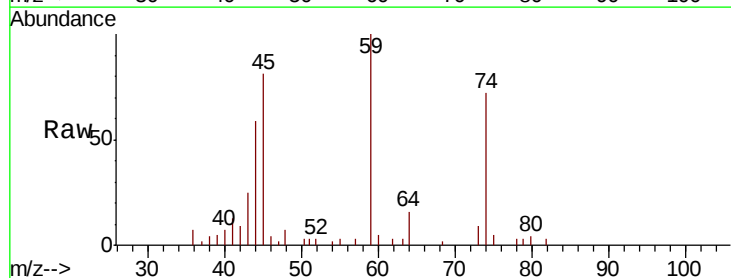
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



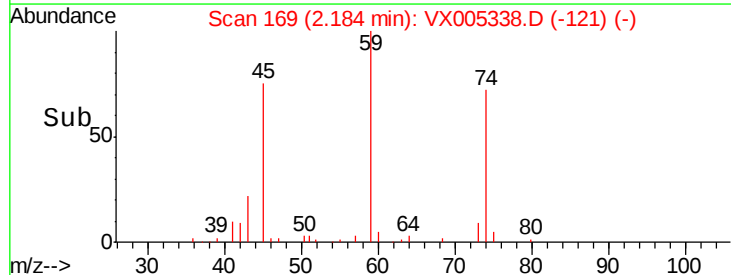
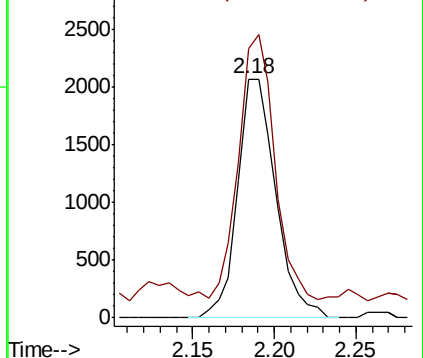
#8

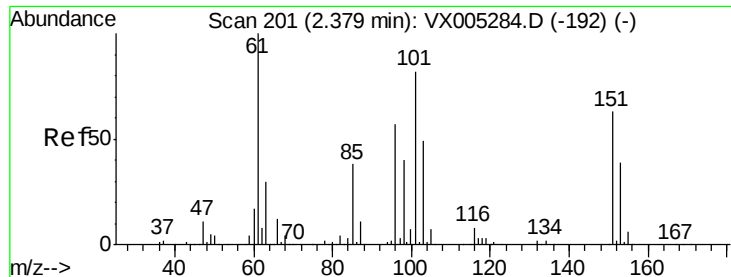
Diethyl Ether
Concen: 2.096 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 74 Resp: 3385
Ion Ratio Lower Upper
74 100
45 104.3 48.3 144.8



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: 2.259 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

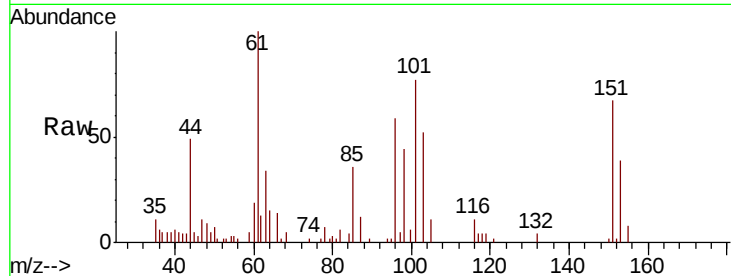
Tot Ion:101 Resp: 4930

Ion Ratio Lower Upper

101 100

85 46.2 34.2 51.4

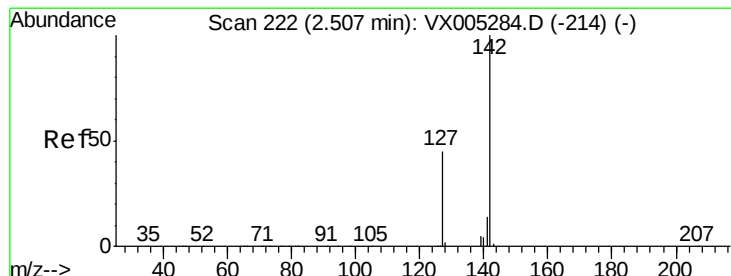
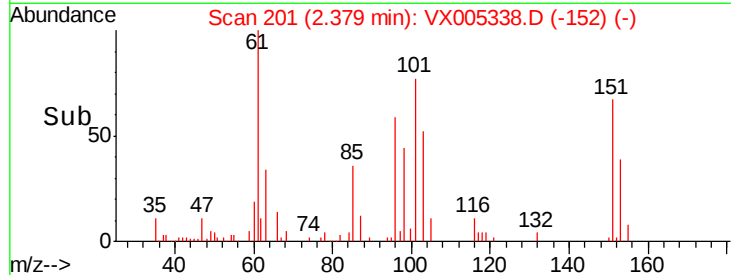
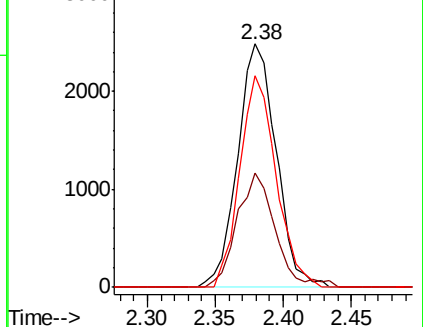
151 81.7 65.0 97.6



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: 4.233 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

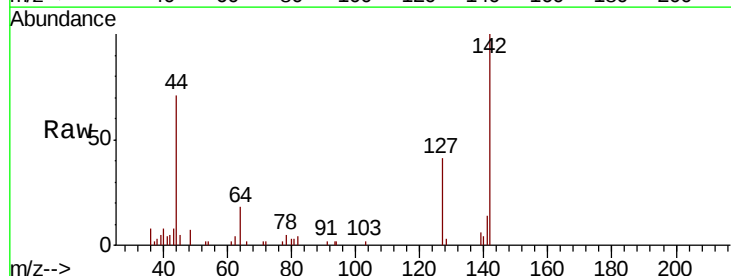
Tgt Ion:142 Resp: 4394

Ion Ratio Lower Upper

142 100

127 46.3 33.8 50.6

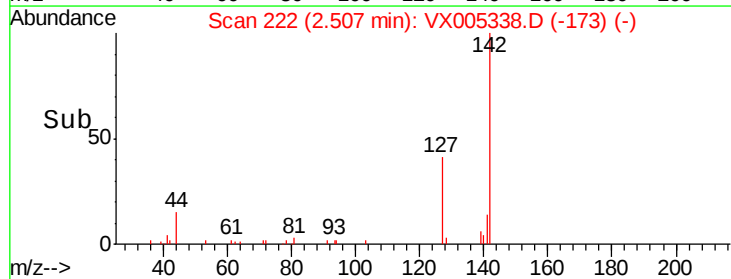
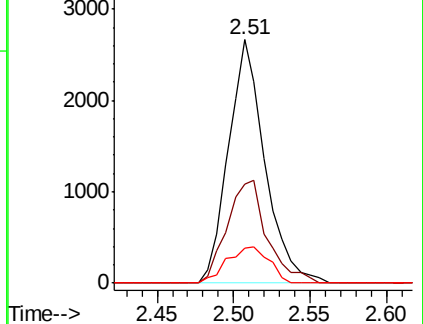
141 17.2 11.4 17.0#



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



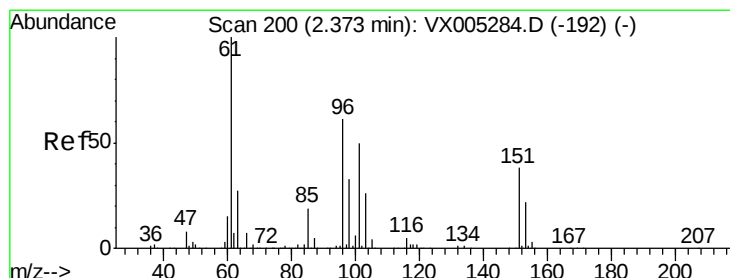
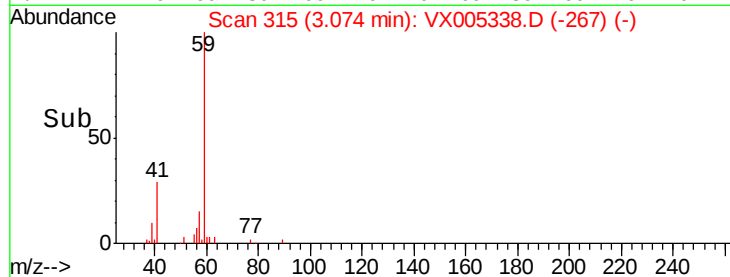
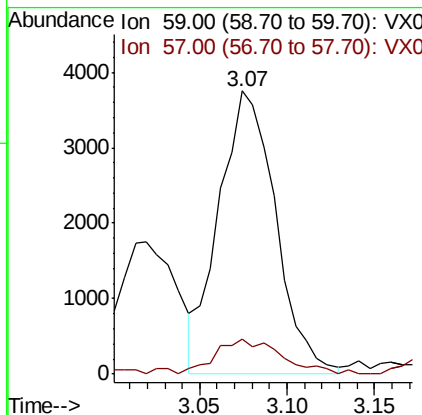
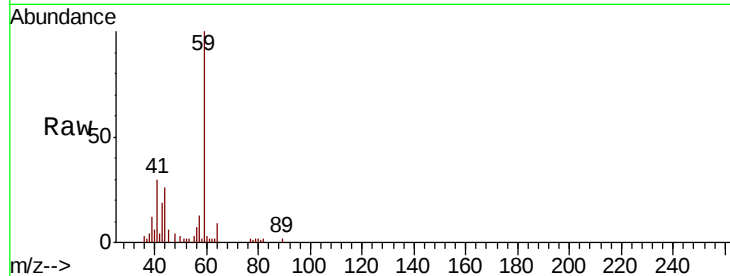


#11

Tert butyl alcohol
 Concen: 10.944 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

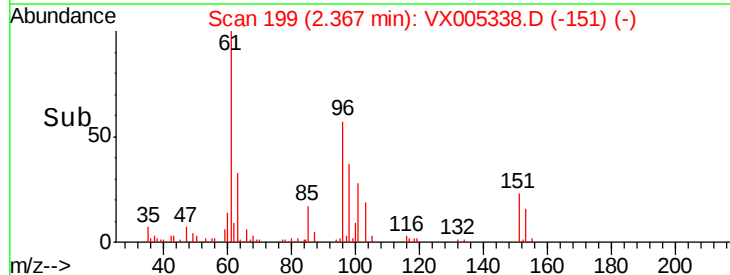
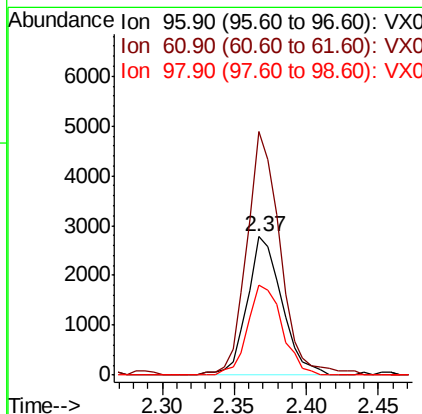
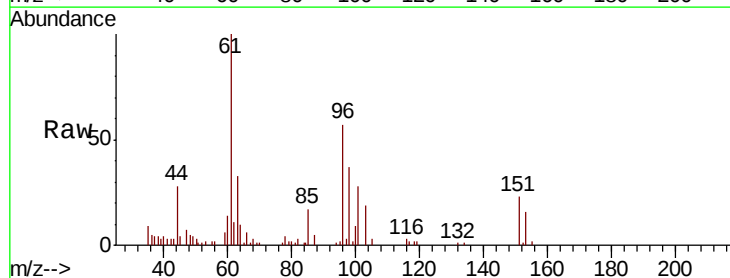
Tot Ion: 59 Resp: 8460
 Ion Ratio Lower Upper
 59 100
 57 14.4 8.2 12.4#

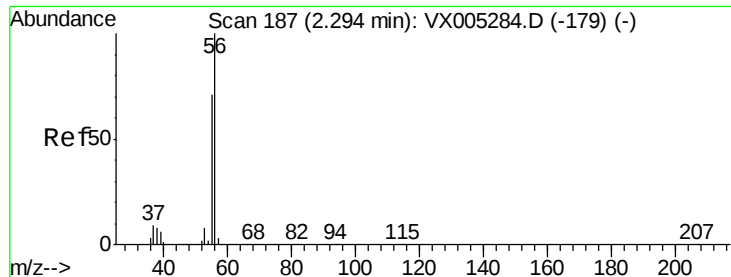


#12

1,1-Dichloroethene
 Concen: 2.139 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 96 Resp: 4625
 Ion Ratio Lower Upper
 96 100
 61 175.7 128.8 193.2
 98 65.3 52.2 78.2





#13

Acrolein

Concen: 11.077 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

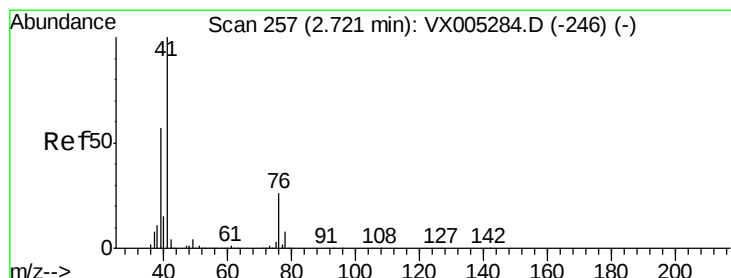
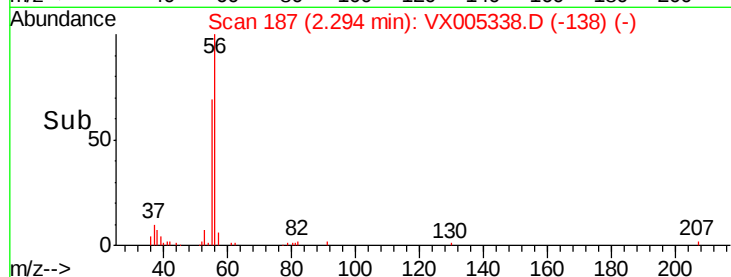
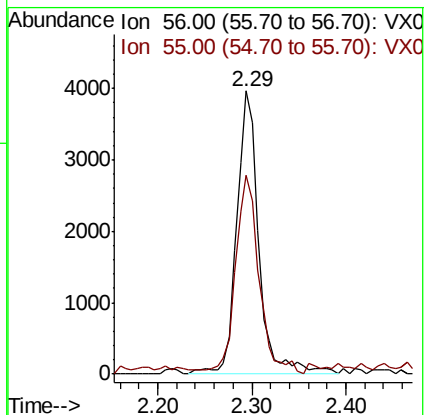
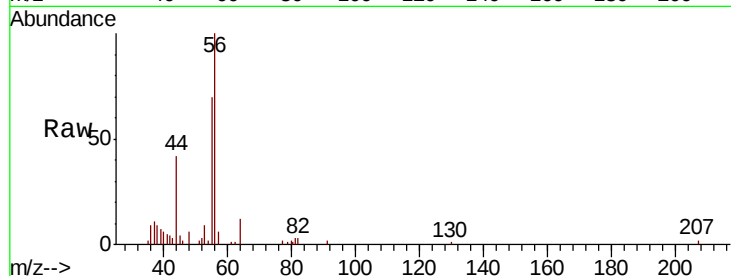
ClientSampleId :

Tot Ion: 56 Resp: 6484

Ion Ratio Lower Upper

56 100

55 75.0 54.7 82.1



#14

Allyl chloride

Concen: 2.232 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

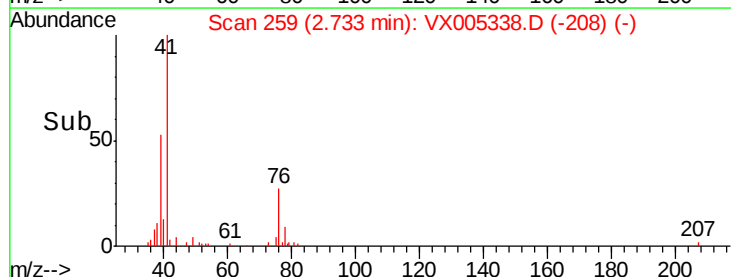
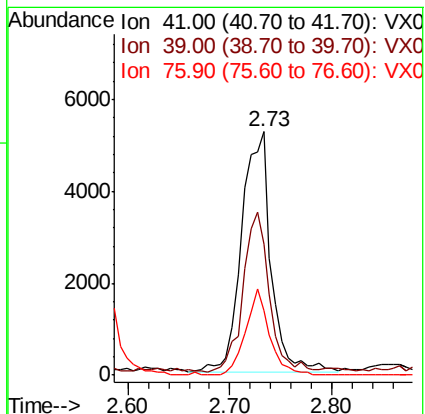
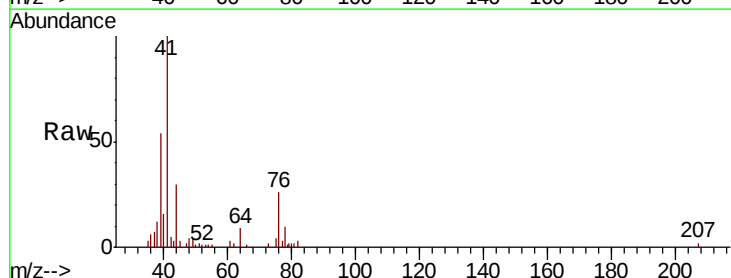
Tgt Ion: 41 Resp: 10600

Ion Ratio Lower Upper

41 100

39 58.4 48.9 73.3

76 28.7 26.7 40.1





#15

Acrylonitrile

Concen: 10.684 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

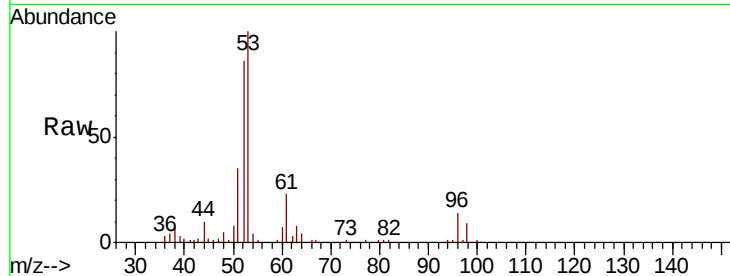
Tot Ion: 53 Resp: 18716

Ion Ratio Lower Upper

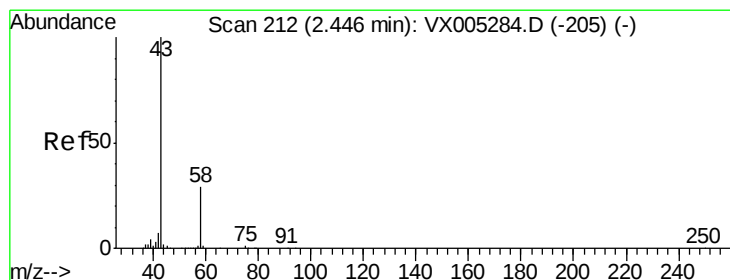
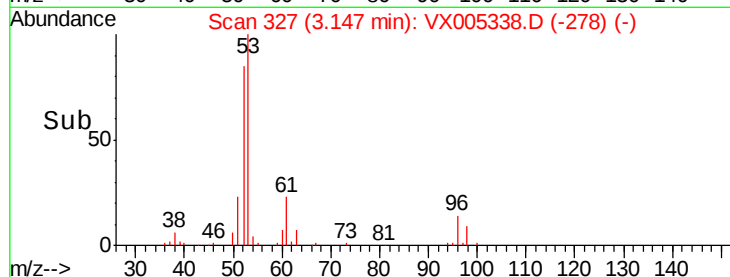
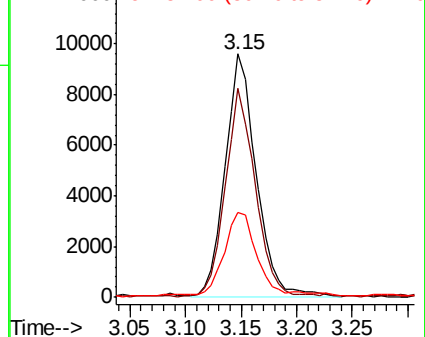
53 100

52 82.9 65.2 97.8

51 39.2 28.2 42.2



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: 13.293 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005338.D

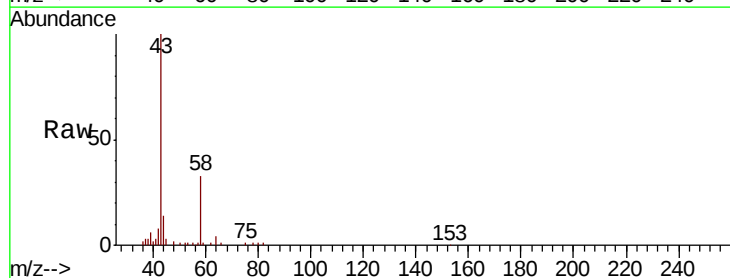
Acq: 15 Oct 2018 12:48

Tgt Ion: 43 Resp: 21063

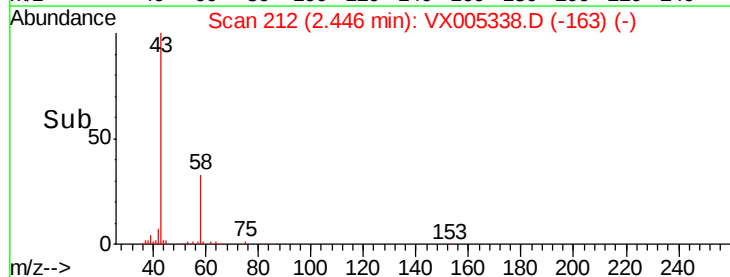
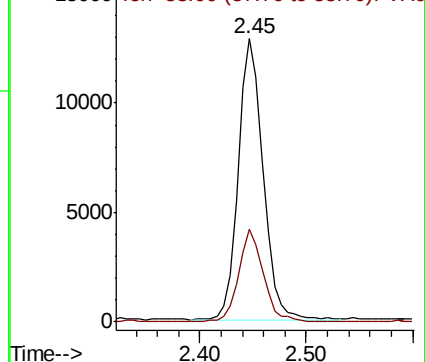
Ion Ratio Lower Upper

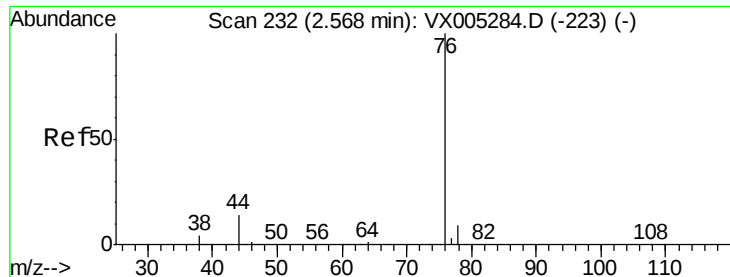
43 100

58 32.9 26.2 39.4



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





#17

Carbon Disulfide

Concen: 2.148 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

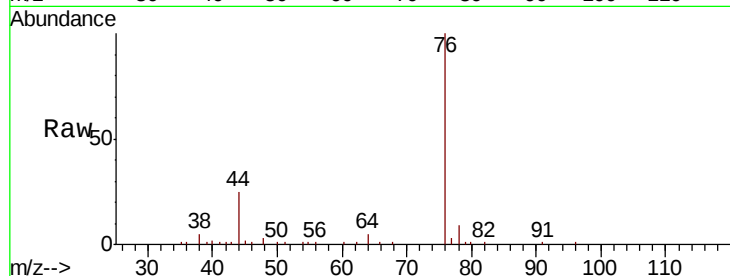
ClientSampled :

Tot Ion: 76 Resp: 14072

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

10000

8000

6000

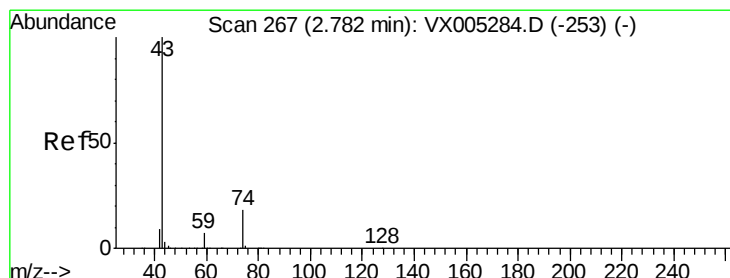
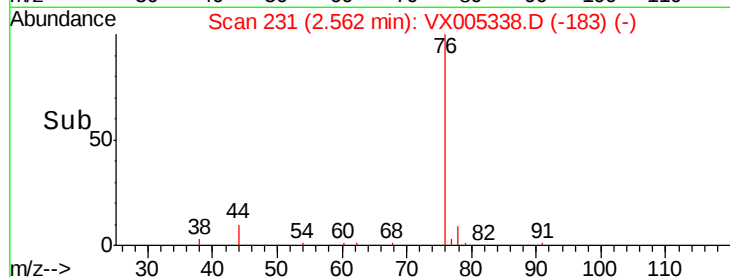
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 2.310 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005338.D

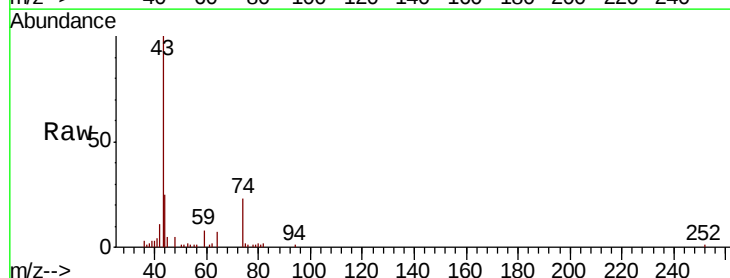
Acq: 15 Oct 2018 12:48

Tgt Ion: 43 Resp: 10414

Ion Ratio Lower Upper

43 100

74 21.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

6000

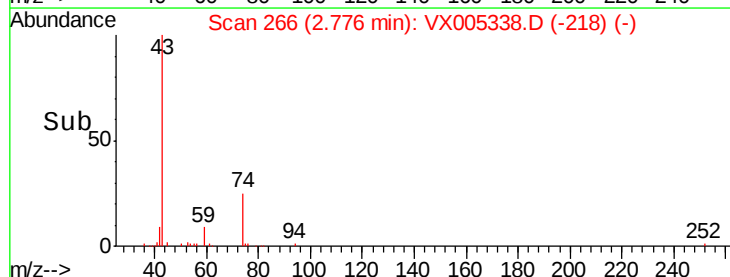
4000

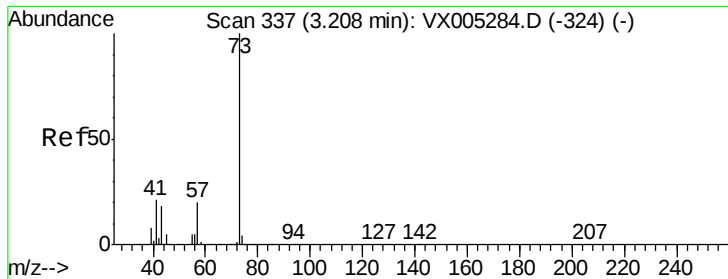
2000

0

Time-->

2.70 2.80 2.90



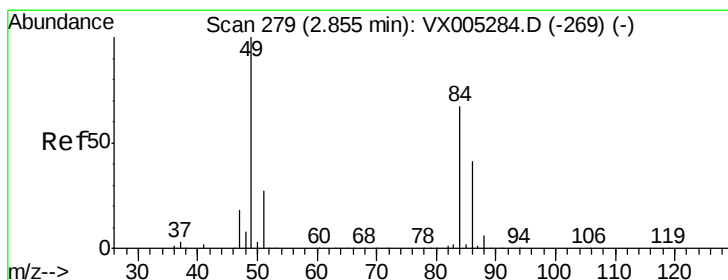
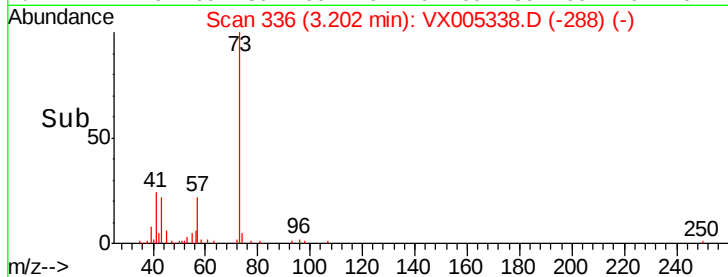
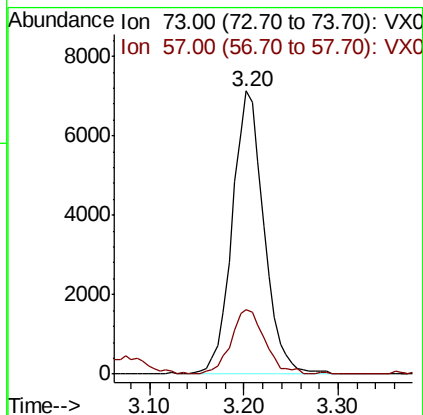
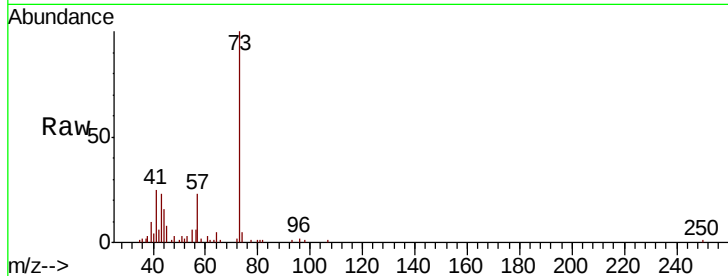


#19

Methyl tert-butyl Ether
 Concen: 2.193 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

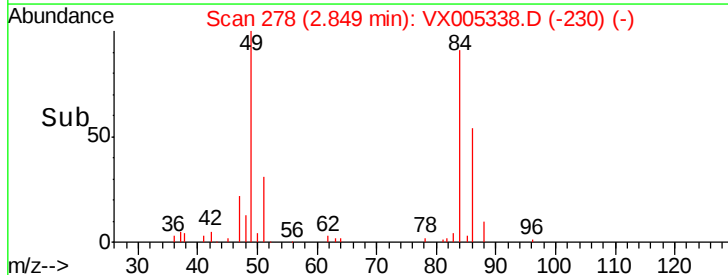
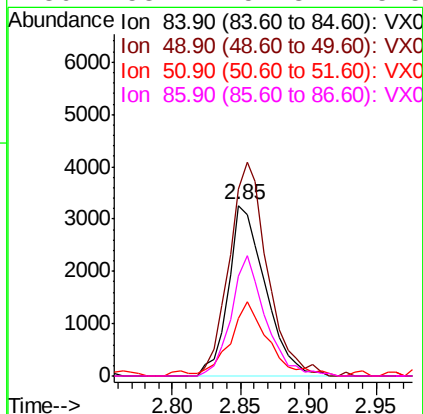
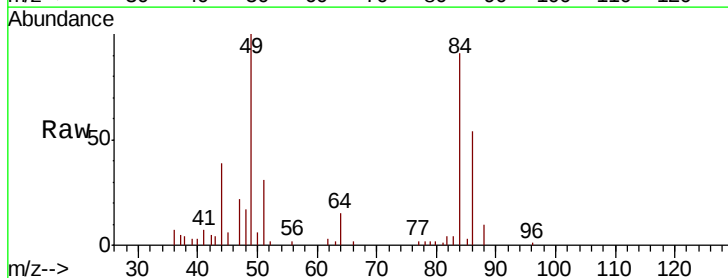
Tot Ion: 73 Resp: 16706
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.1 25.7

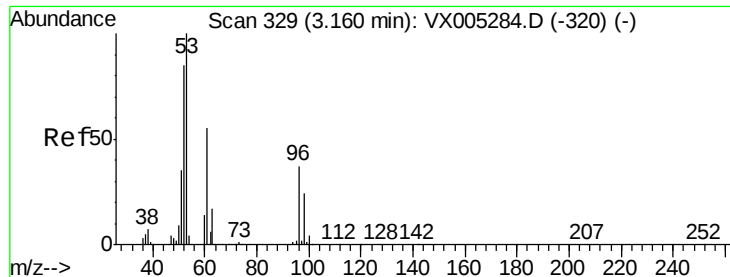


#20

Methylene Chloride
 Concen: 1.404 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 84 Resp: 6178
 Ion Ratio Lower Upper
 84 100
 49 109.6 101.2 151.8
 51 32.4 29.5 44.3
 86 58.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 2.200 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampled :

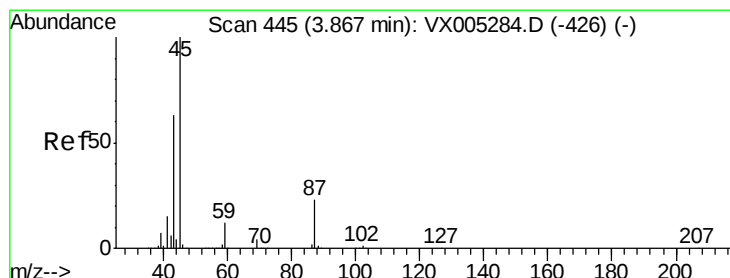
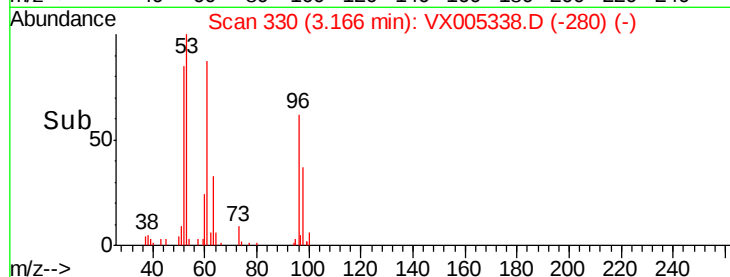
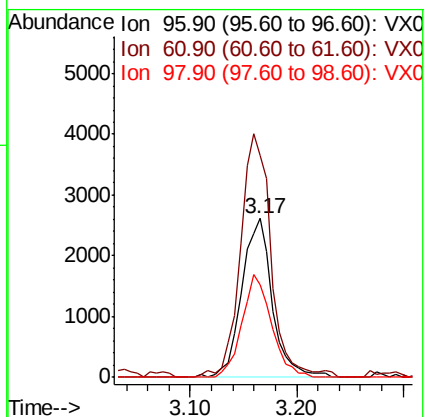
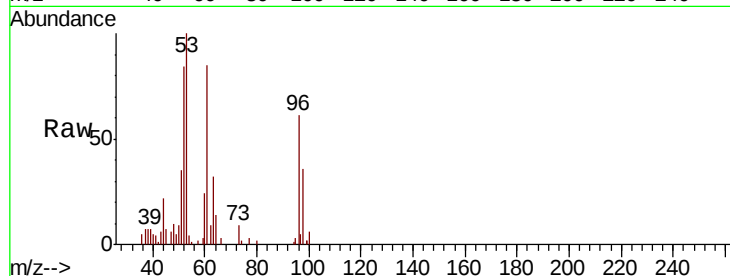
Tot Ion: 96 Resp: 5272

Ion Ratio Lower Upper

96 100

61 139.4 113.8 170.6

98 58.6 51.8 77.8



#22

Diisopropyl ether

Concen: 1.933 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion: 45 Resp: 15413

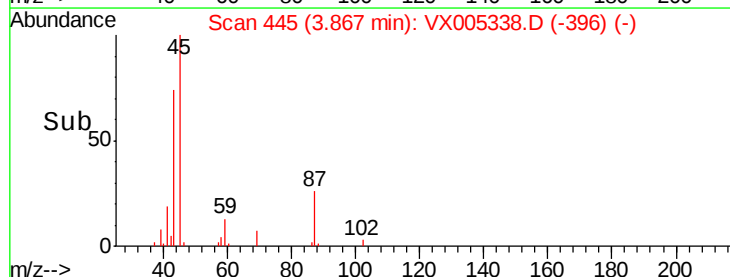
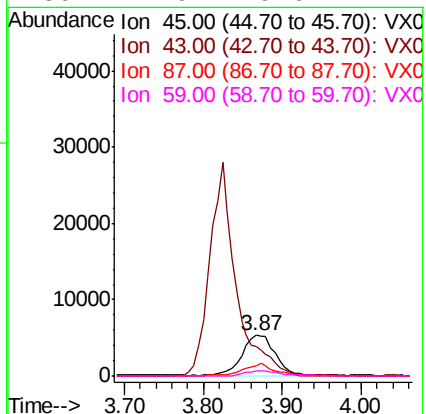
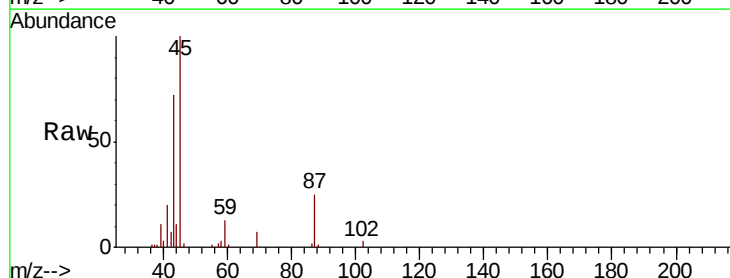
Ion Ratio Lower Upper

45 100

43 71.1 42.8 64.2#

87 24.9 22.6 34.0

59 12.9 9.6 14.4





#23

Vinyl Acetate

Concen: 9.455 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

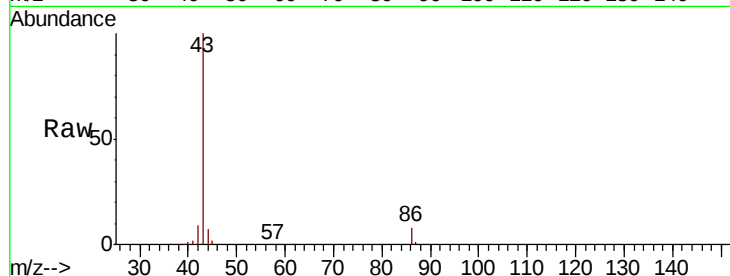
ClientSampleId :

Tot Ion: 43 Resp: 65904

Ion Ratio Lower Upper

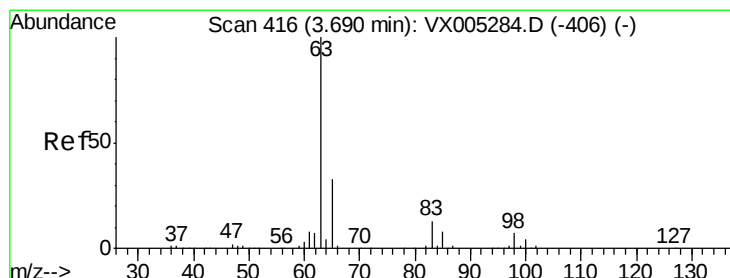
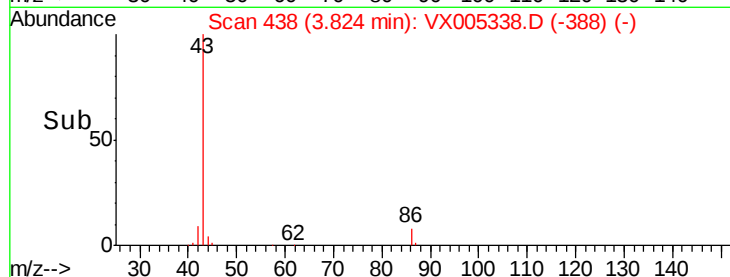
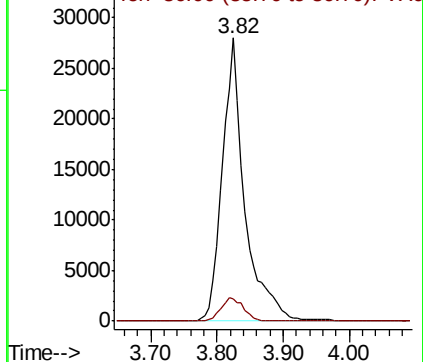
43 100

86 7.8 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 2.067 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

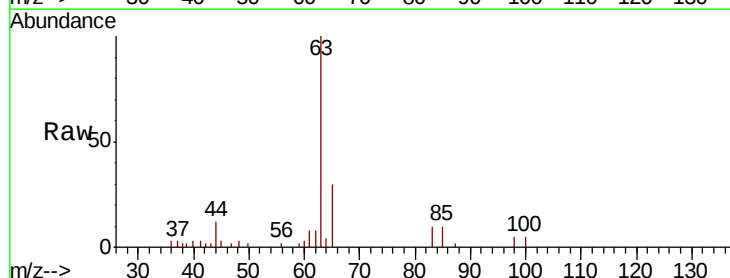
Tgt Ion: 63 Resp: 9446

Ion Ratio Lower Upper

63 100

98 4.6 3.5 10.4

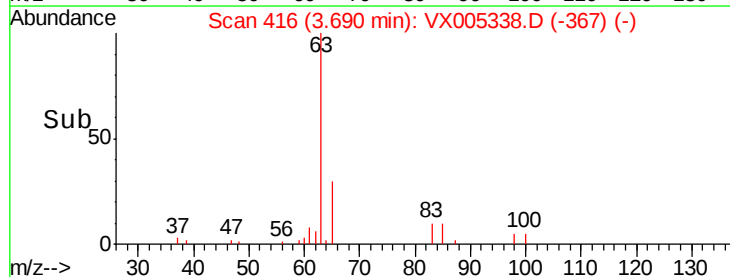
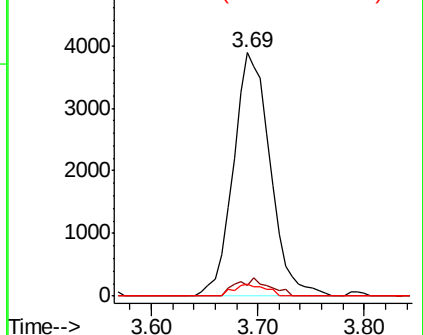
100 5.0 2.4 7.1

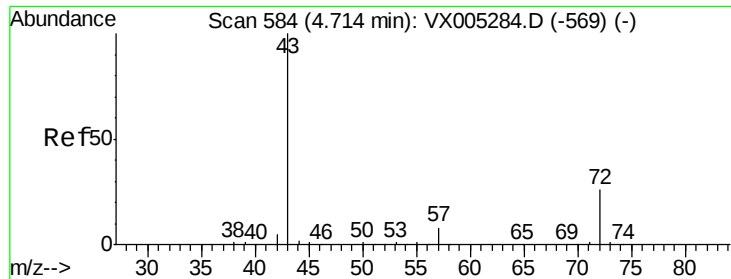


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 10.764 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

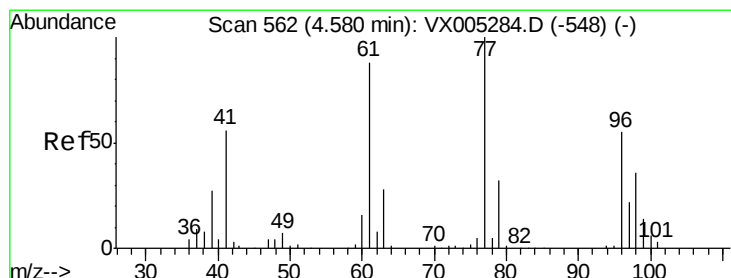
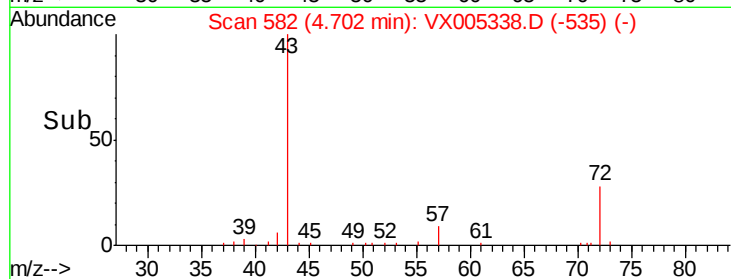
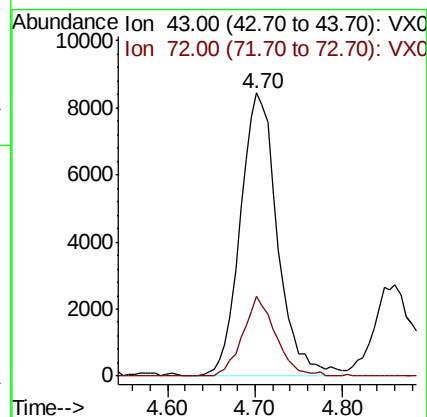
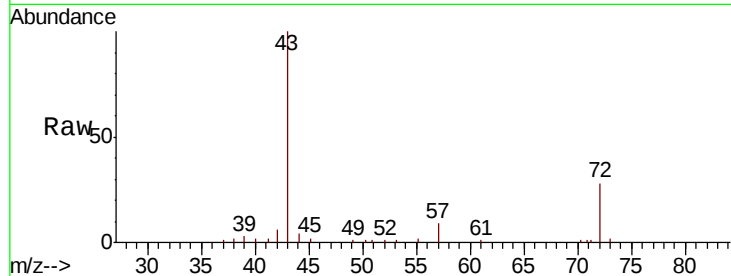
ClientSampleId :

Tot Ion: 43 Resp: 24954

Ion Ratio Lower Upper

43 100

72 28.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 2.099 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005338.D

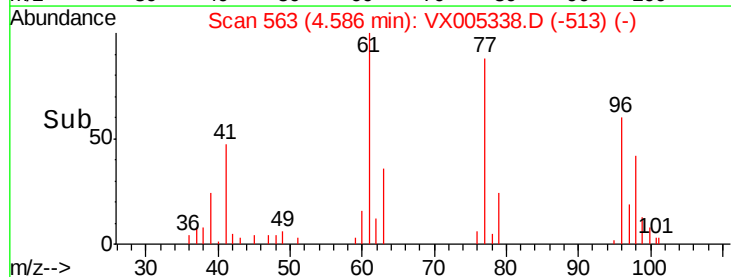
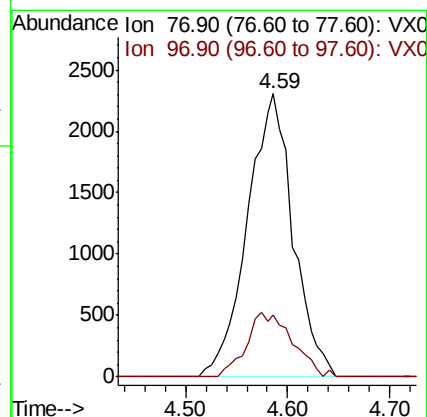
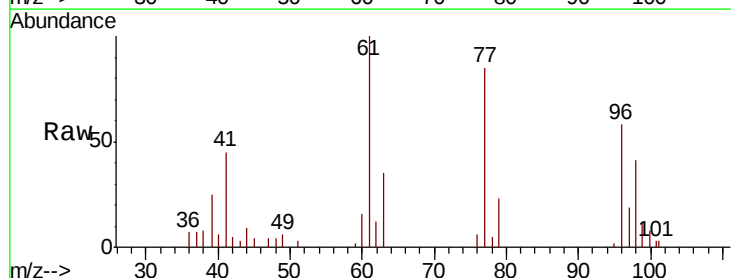
Acq: 15 Oct 2018 12:48

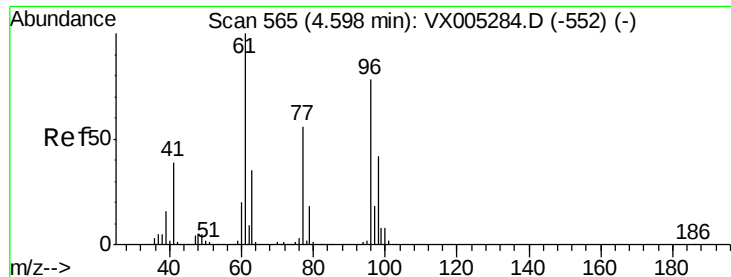
Tgt Ion: 77 Resp: 7175

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0



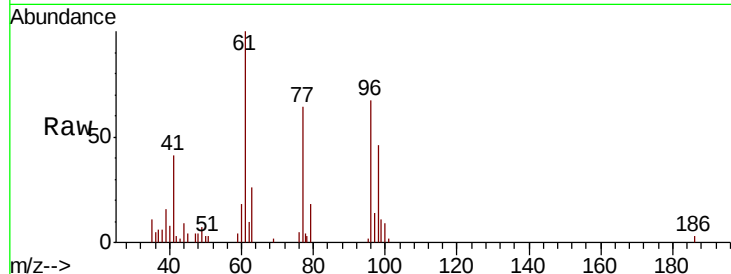


#27

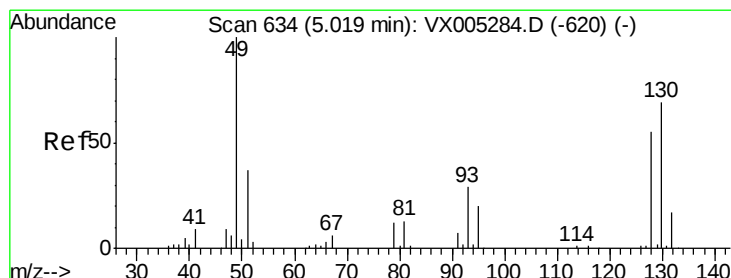
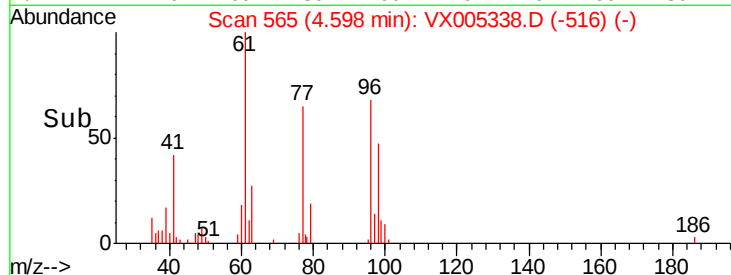
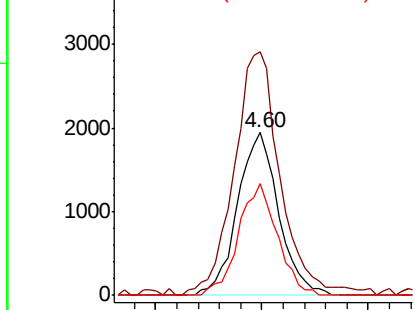
cis-1,2-Dichloroethene
Concen: 2.019 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 5258
Ion Ratio Lower Upper
96 100
61 169.5 0.0 282.6
98 65.0 0.0 130.2



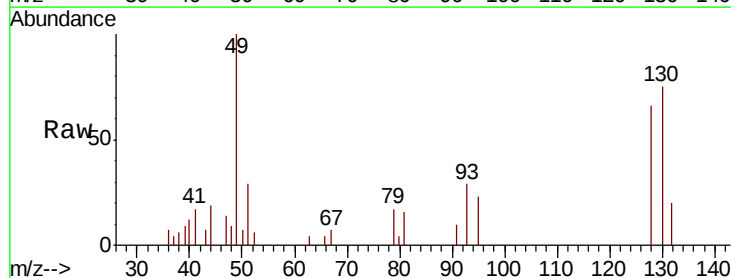
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



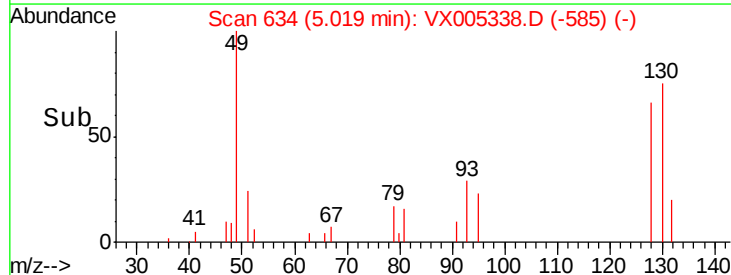
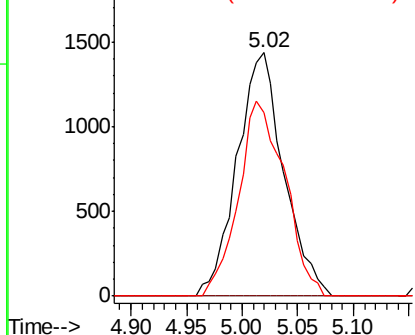
#28

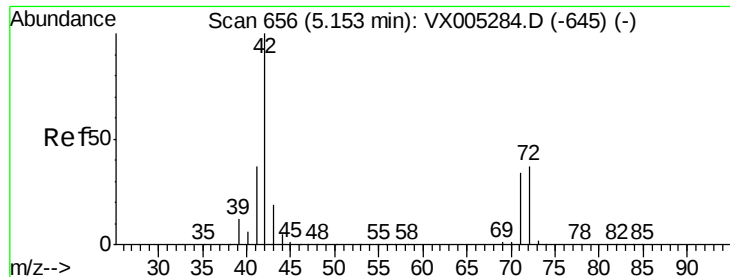
Bromochloromethane
Concen: 2.008 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 49 Resp: 4184
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 79.5 67.5 101.3



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

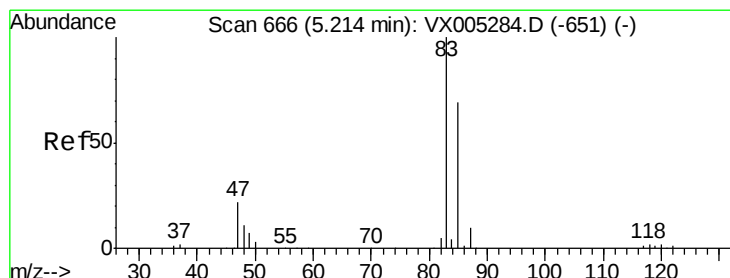
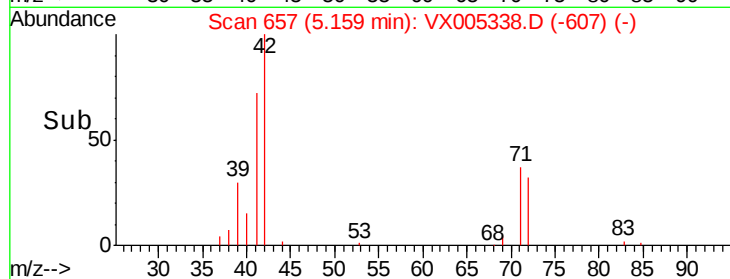
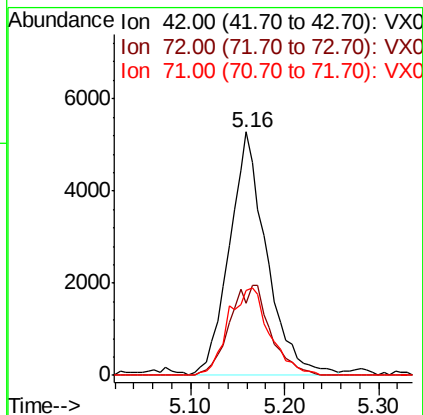
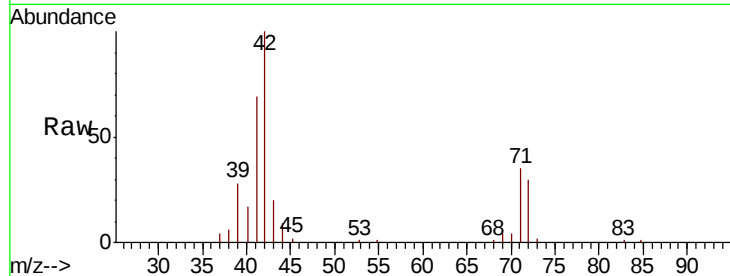




#29
Tetrahydrofuran
Concen: 9.856 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

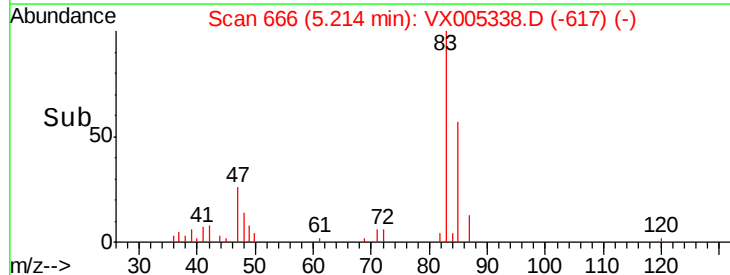
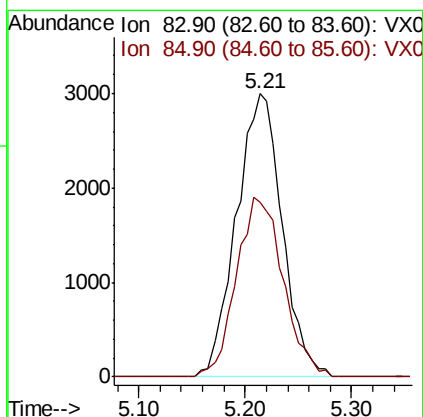
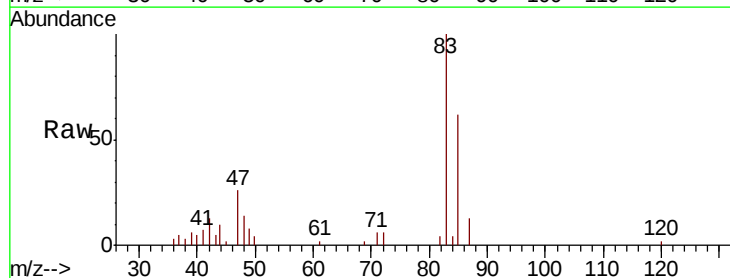
Instrument :
MSVOA_X
ClientSampleId :

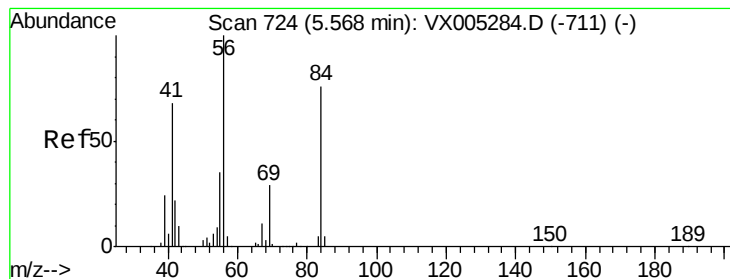
Tot Ion: 42 Resp: 14575
Ion Ratio Lower Upper
42 100
72 40.5 37.4 56.0
71 39.7 34.5 51.7



#30
Chloroform
Concen: 2.126 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 83 Resp: 9019
Ion Ratio Lower Upper
83 100
85 61.5 52.6 79.0





#31

Cyclohexane

Concen: 1.893 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :

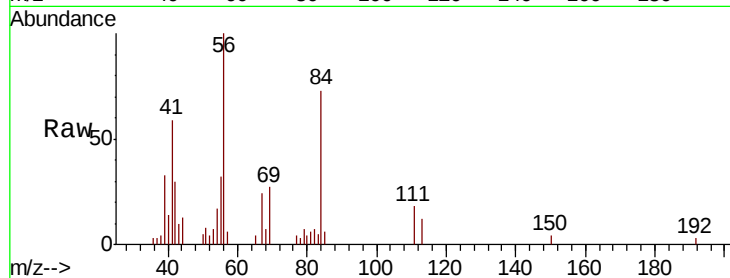
Tot Ion: 56 Resp: 7133

Ion Ratio Lower Upper

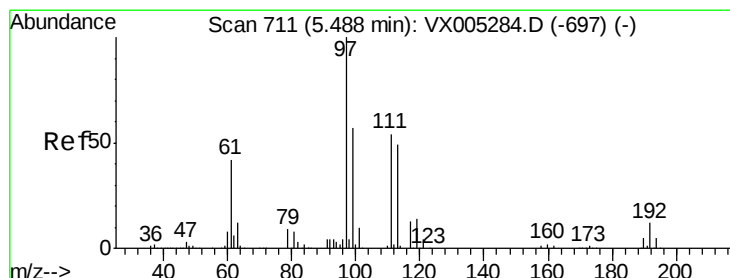
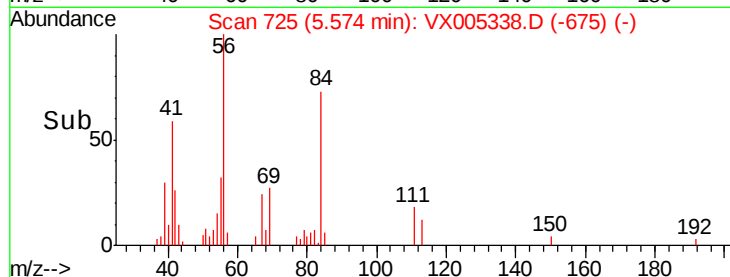
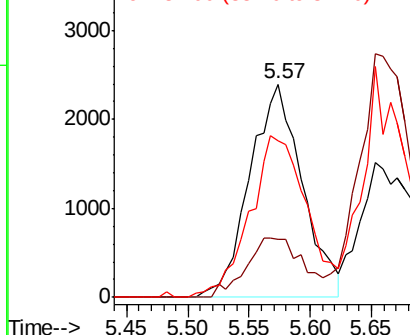
56 100

69 27.2 25.4 38.2

84 73.4 71.4 107.2



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: 2.127 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

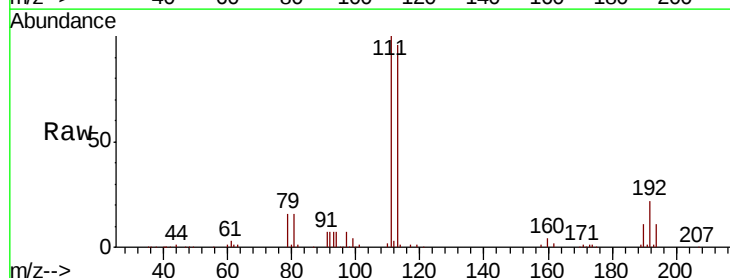
Tgt Ion: 97 Resp: 7852

Ion Ratio Lower Upper

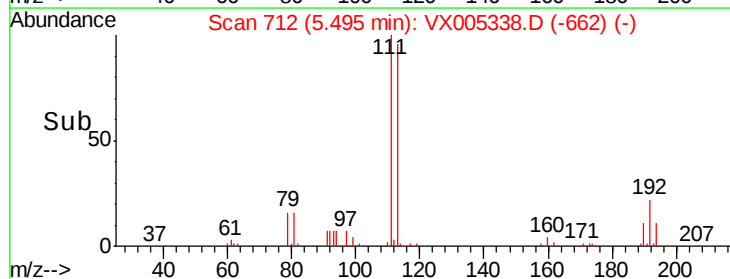
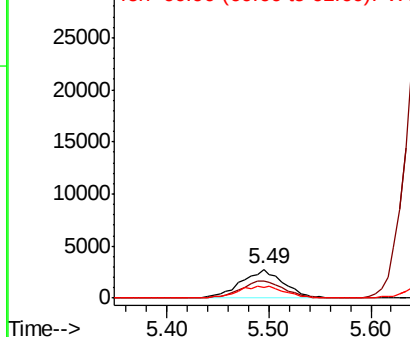
97 100

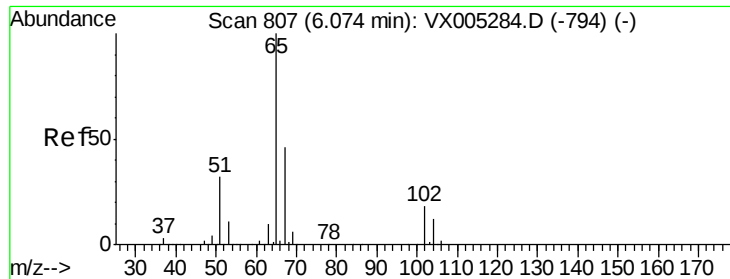
99 62.4 52.0 78.0

61 44.1 34.9 52.3



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

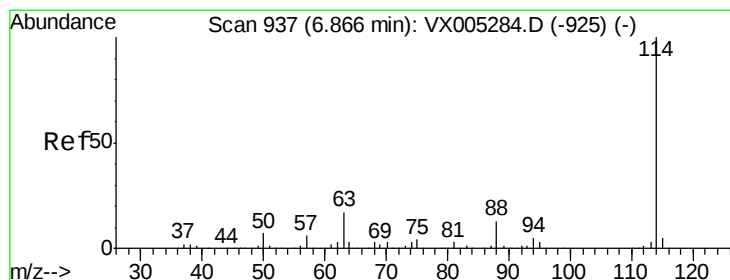
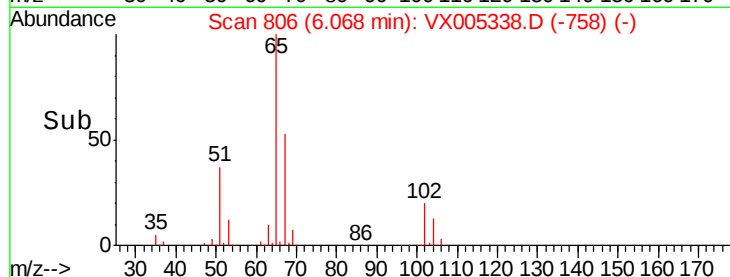
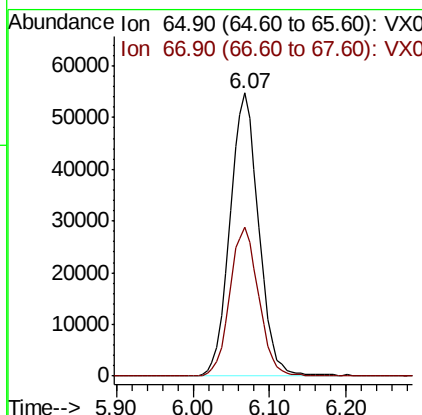
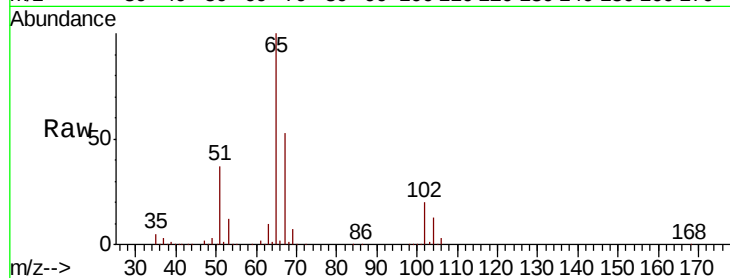




#33
 1,2-Dichloroethane-d4
 Concen: 51.805 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

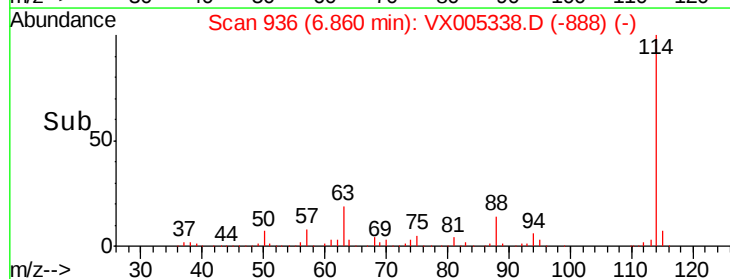
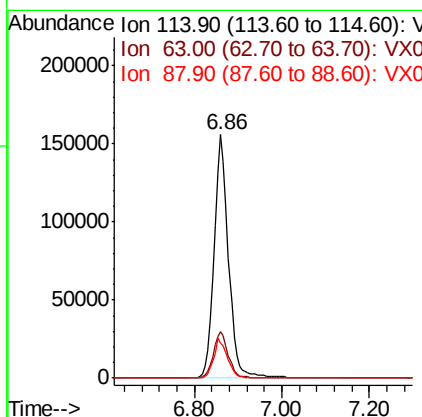
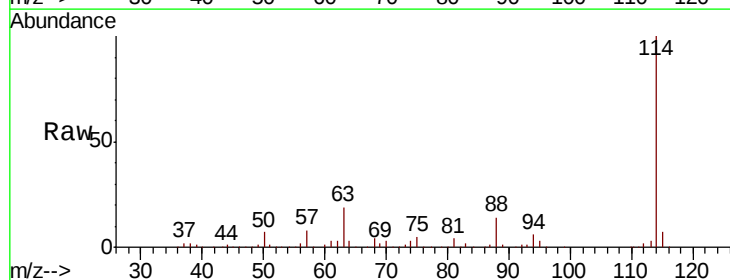
Instrument :
 MSVOA_X
 ClientSampleId :

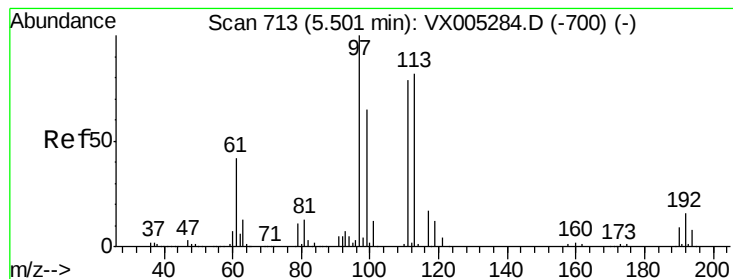
Tot Ion: 65 Resp: 141970
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 114 Resp: 358167
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 14.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.947 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

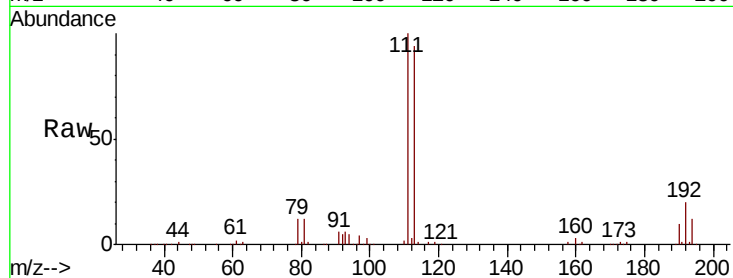
Tot Ion:113 Resp: 116113

Ion Ratio Lower Upper

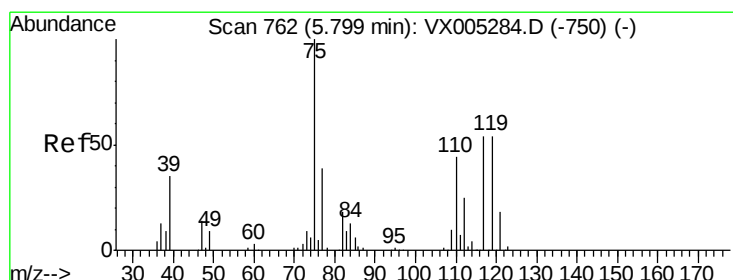
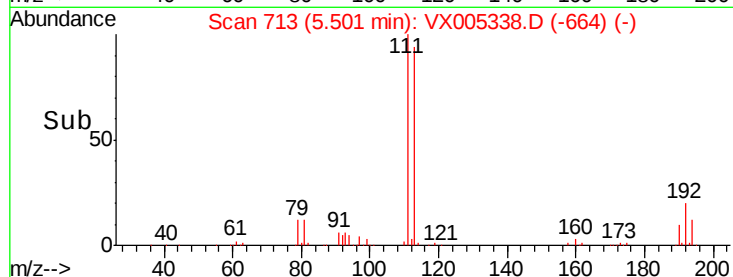
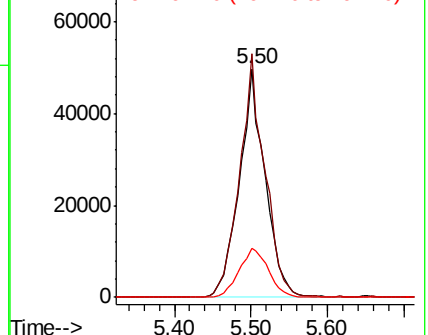
113 100

111 104.1 82.4 123.6

192 24.5 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.796 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

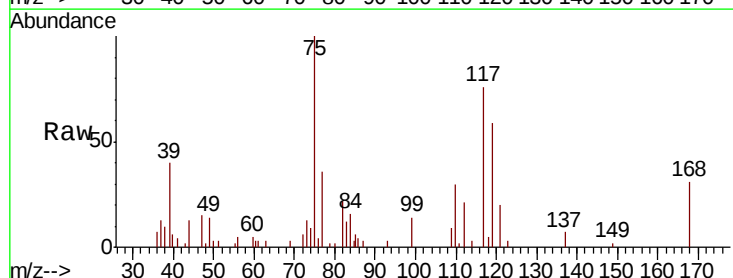
Tgt Ion: 75 Resp: 6229

Ion Ratio Lower Upper

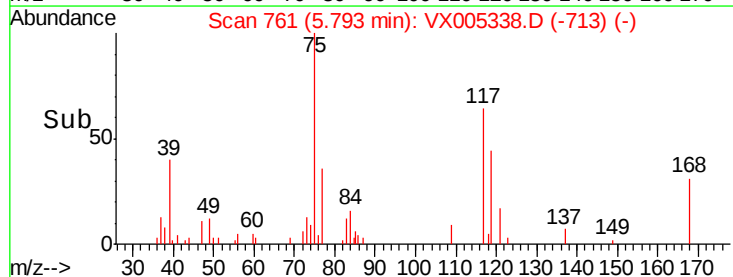
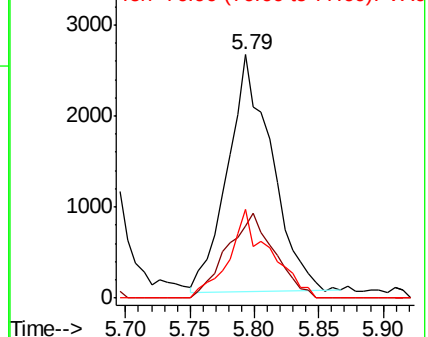
75 100

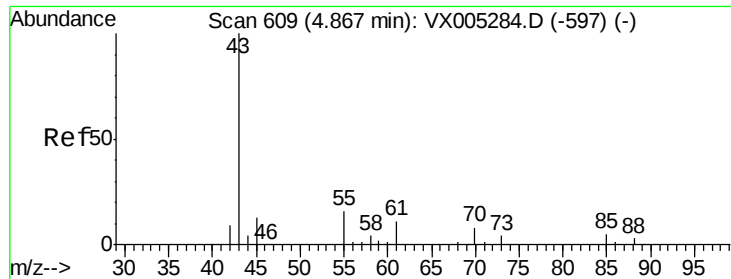
110 38.4 18.0 54.0

77 34.6 24.6 36.8



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

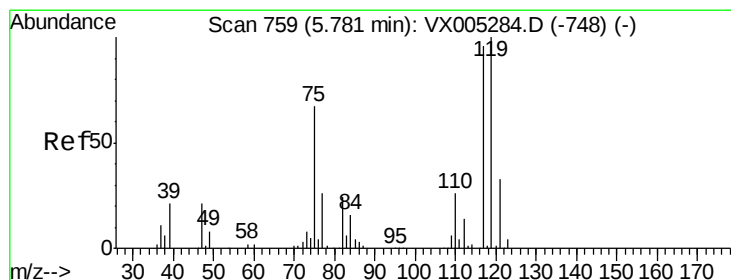
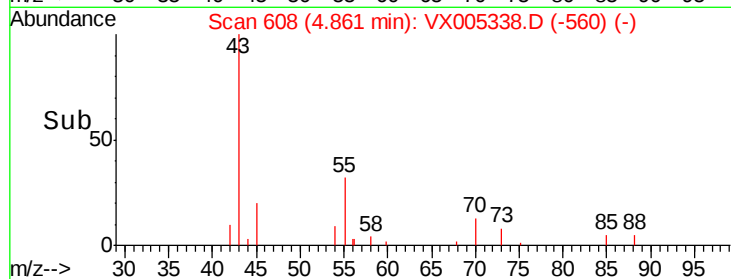
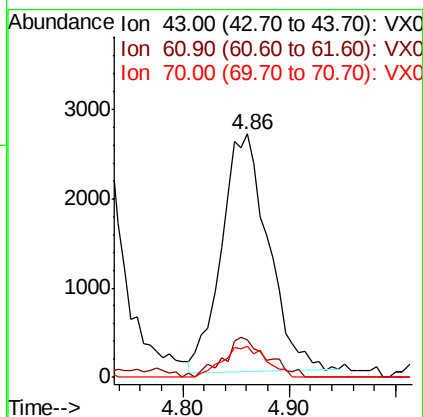
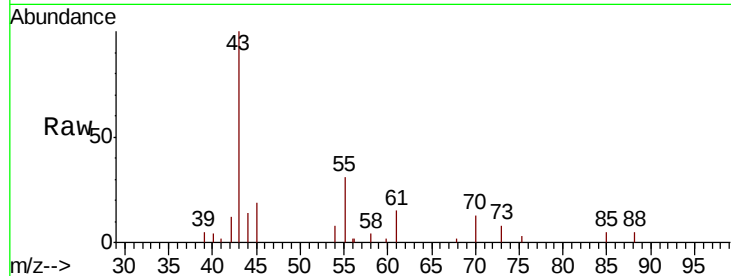




#37
Ethyl Acetate
Concen: 1.826 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

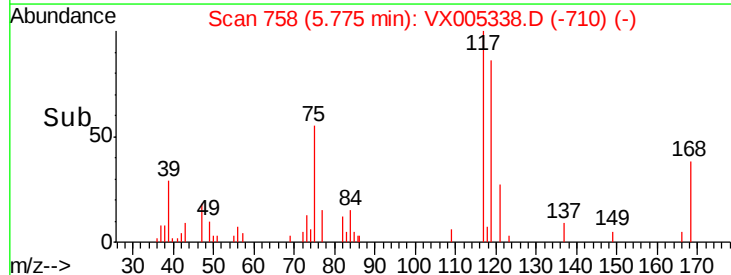
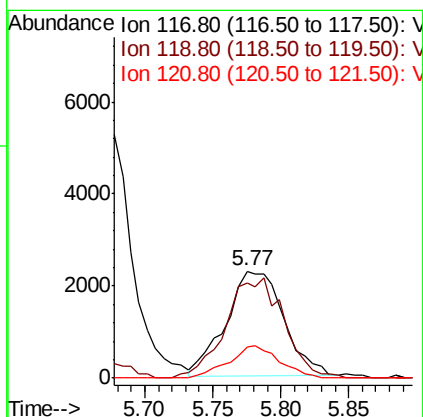
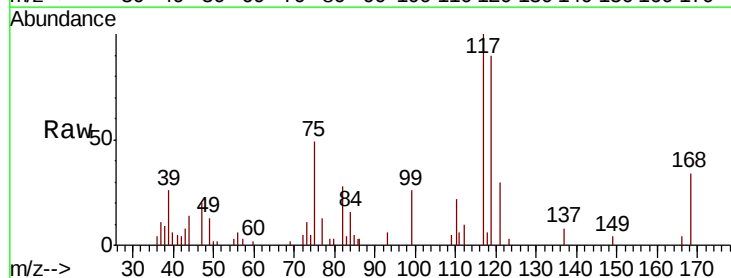
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 8147
Ion Ratio Lower Upper
43 100
61 15.5 11.5 17.3
70 12.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 1.934 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 117 Resp: 6742
Ion Ratio Lower Upper
117 100
119 89.4 78.8 118.2
121 30.4 24.9 37.3

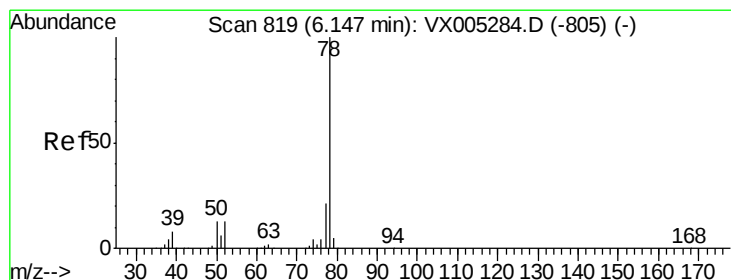
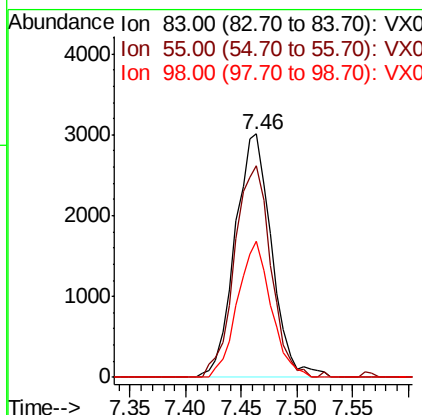
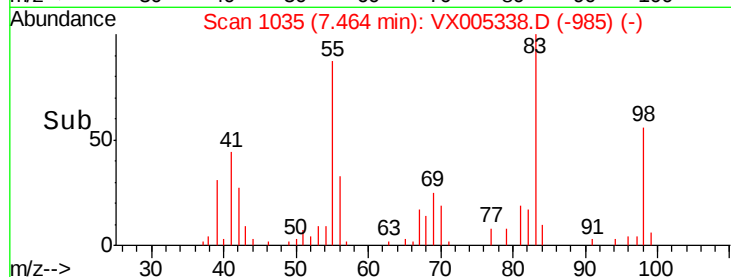
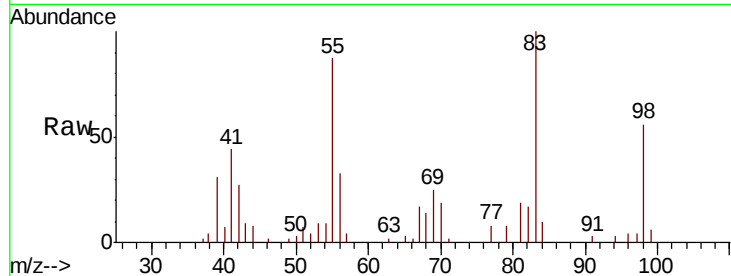




#39
Methvlcvclohexane
Concen: 1.832 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

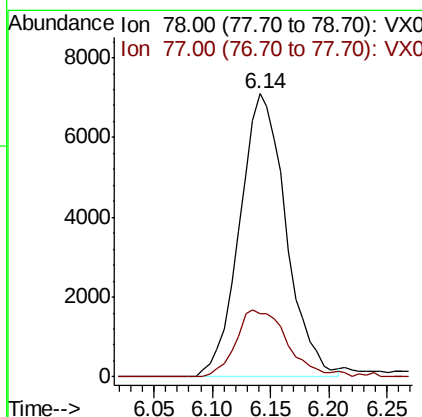
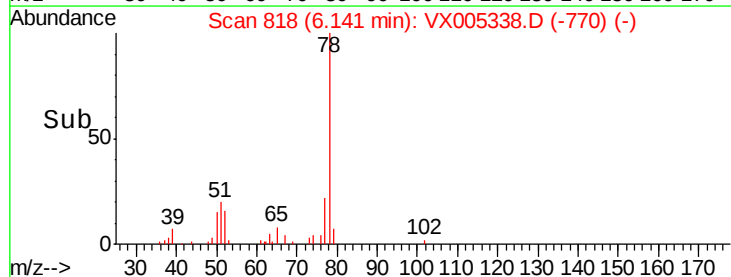
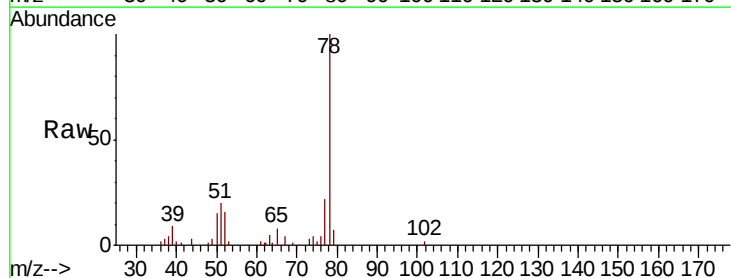
Instrument :
MSVOA_X
ClientSampleId :

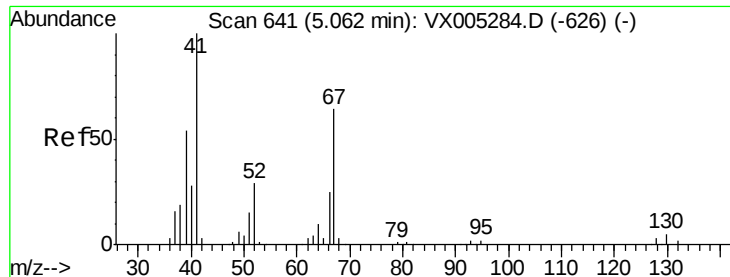
Tot Ion: 83 Resp: 6877
Ion Ratio Lower Upper
83 100
55 86.7 61.0 91.4
98 56.1 39.6 59.4



#40
Benzene
Concen: 1.886 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 78 Resp: 19628
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.4

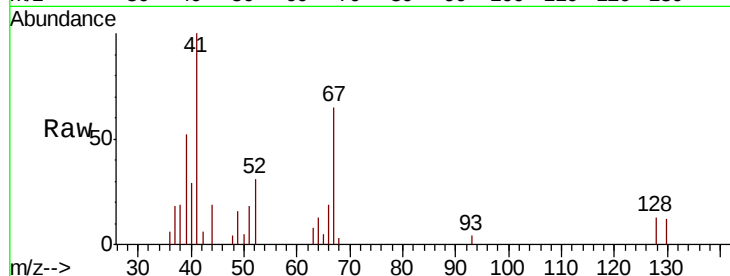




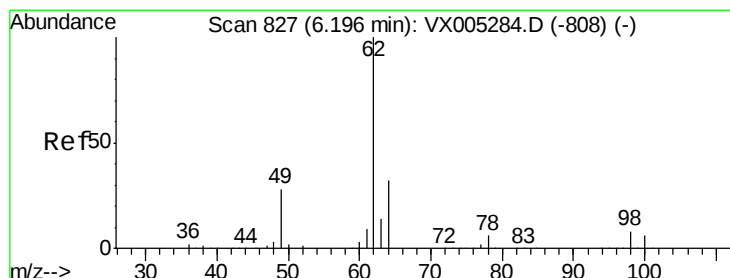
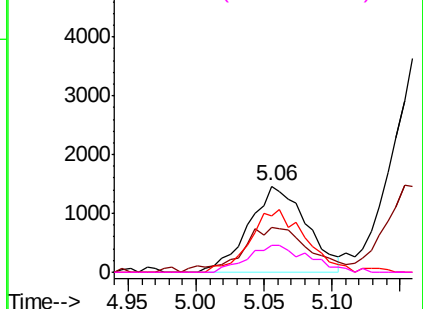
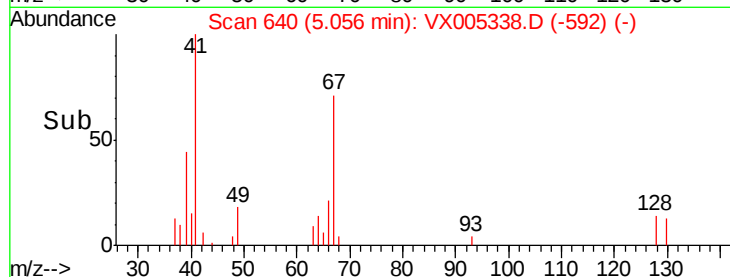
#41
Methacrylonitrile
Concen: 1.814 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	4338
Ion	Ratio	Lower	Upper
41	100		
39	60.6	42.4	63.6
67	68.6	59.2	88.8
52	32.7	23.0	34.4

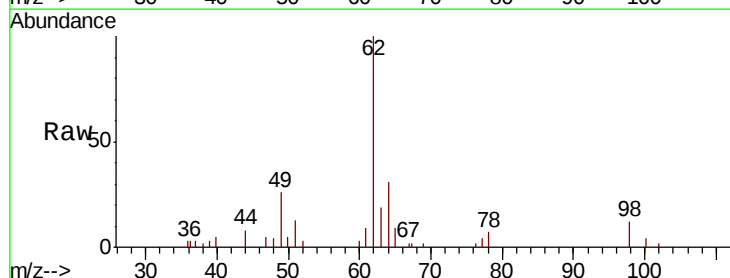


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

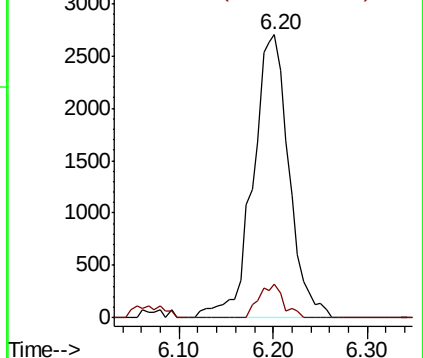
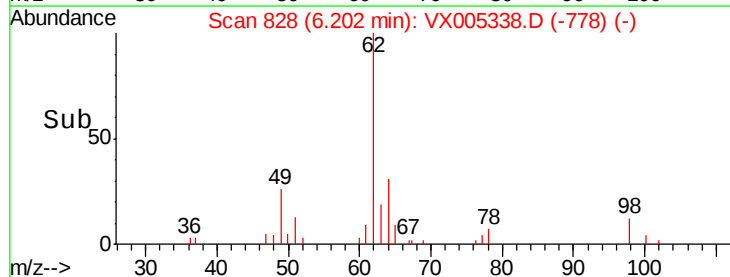


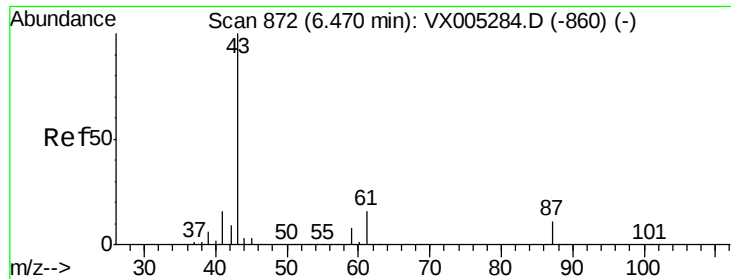
#42
1,2-Dichloroethane
Concen: 1.975 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:	62	Resp:	7255
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 1.958 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

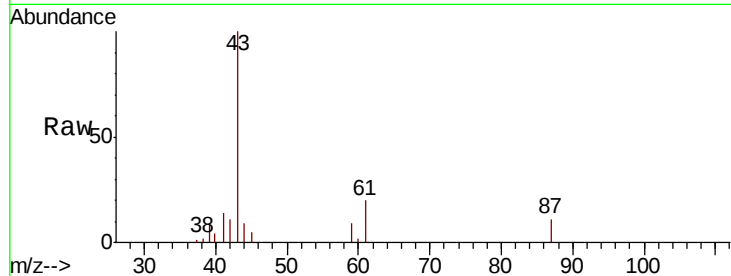
Tot Ion: 43 Resp: 11635

Ion Ratio Lower Upper

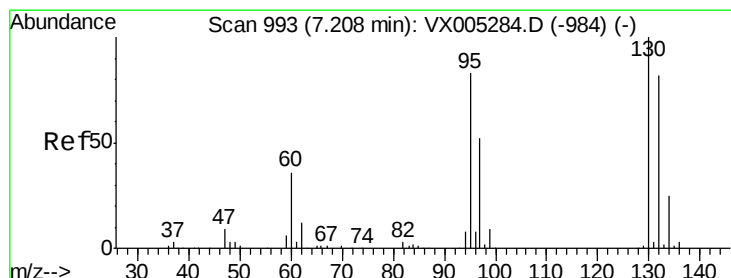
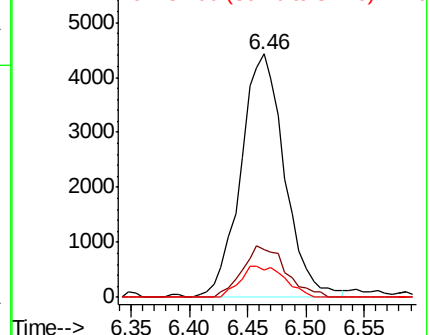
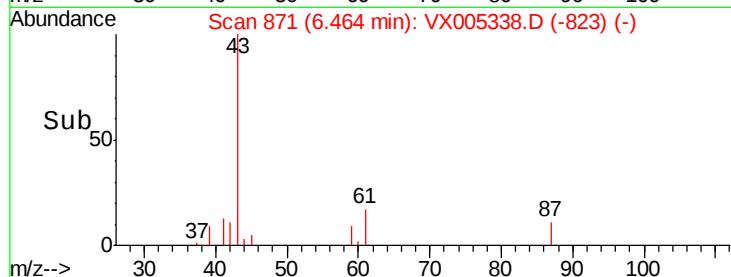
43 100

61 20.9 17.0 25.4

87 12.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005338.D (-823) (-)



#44

Trichloroethene

Concen: 1.545 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005338.D

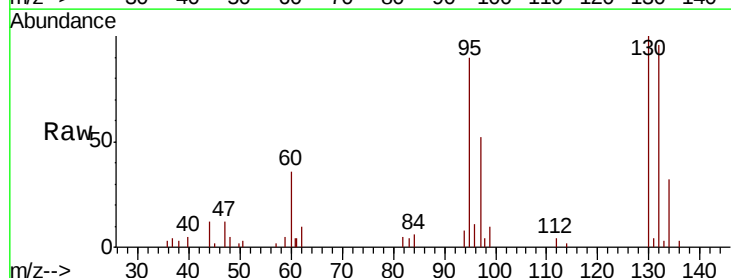
Acq: 15 Oct 2018 12:48

Tgt Ion: 130 Resp: 5708

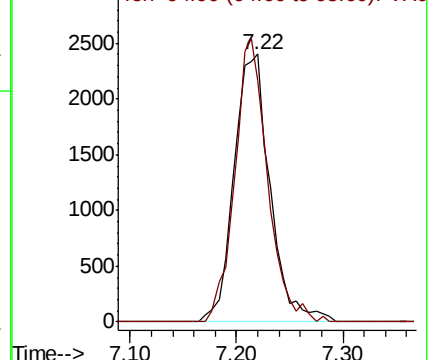
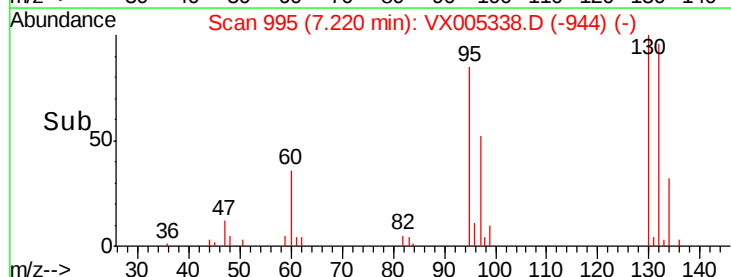
Ion Ratio Lower Upper

130 100

95 90.2 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005338.D (-944) (-)





#45

1,2-Dichloropropane

Concen: 2.067 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

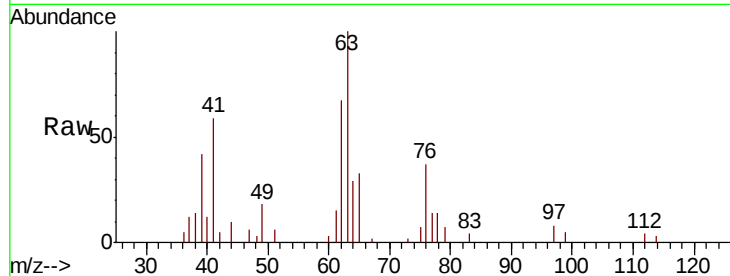
ClientSampleId :

Tot Ion: 63 Resp: 5277

Ion Ratio Lower Upper

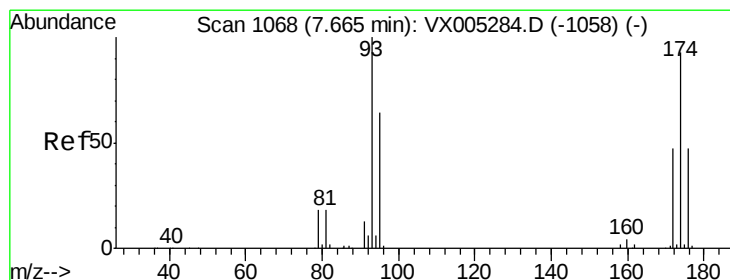
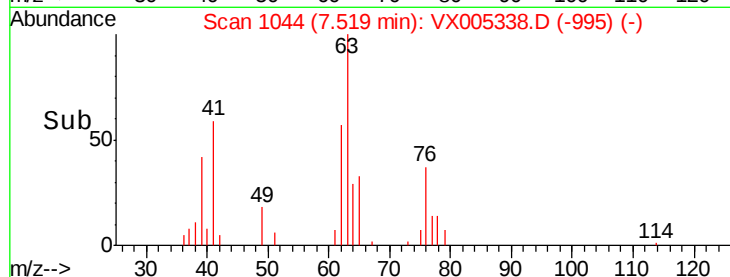
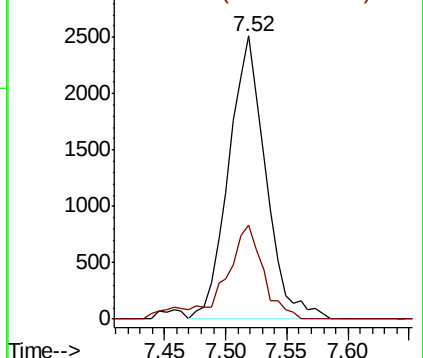
63 100

65 33.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.037 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

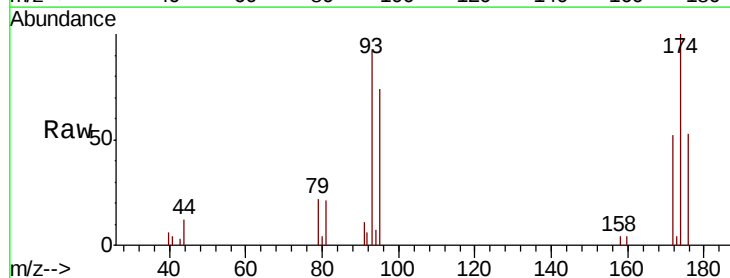
Tgt Ion: 93 Resp: 3431

Ion Ratio Lower Upper

93 100

95 80.9 65.5 98.3

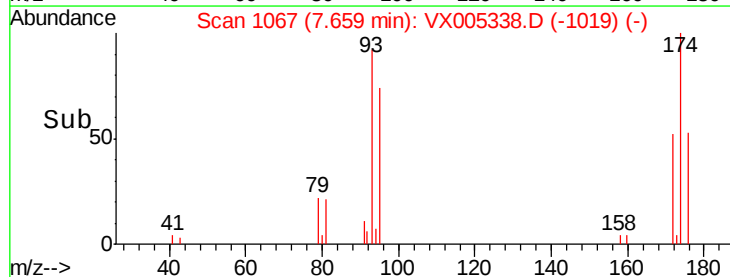
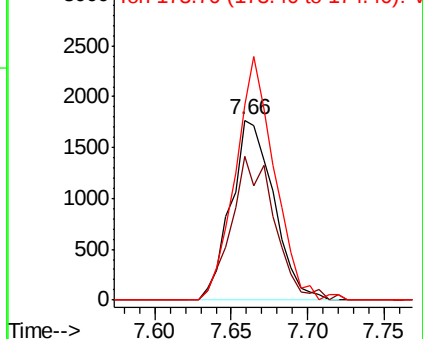
174 124.0 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.031 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

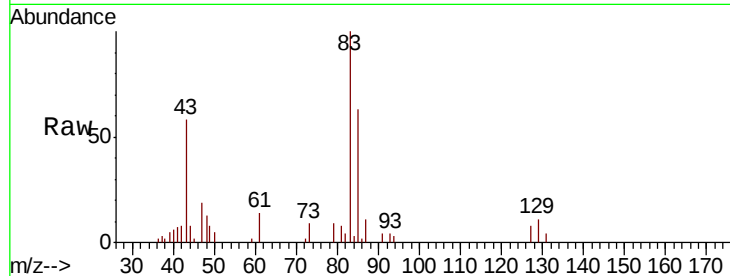
Tot Ion: 83 Resp: 6329

Ion Ratio Lower Upper

83 100

85 63.1 50.9 76.3

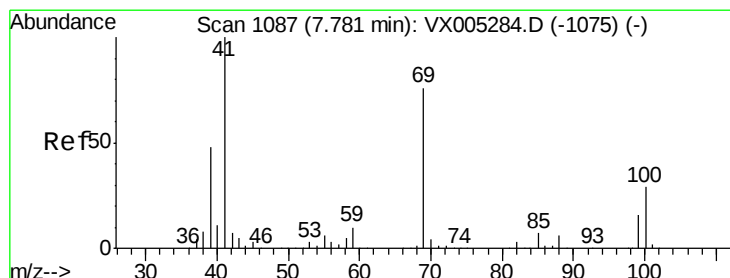
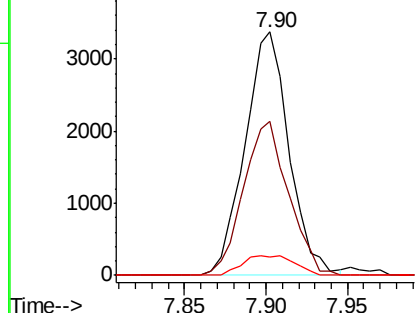
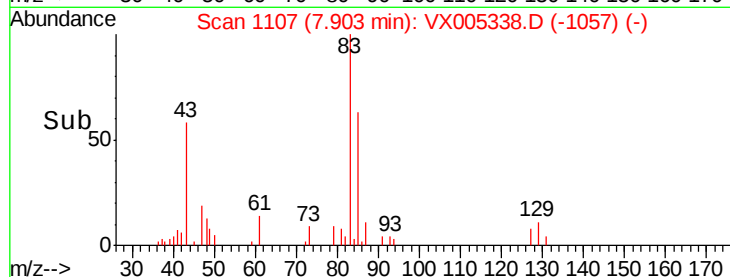
127 7.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.722 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

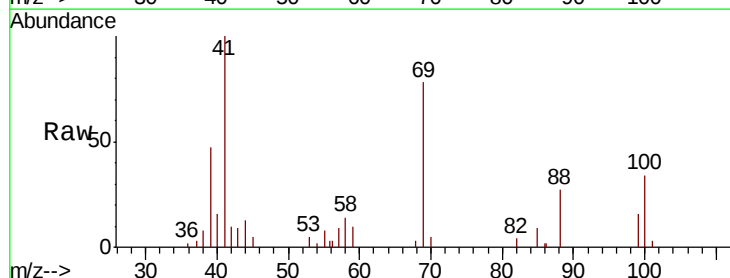
Tgt Ion: 41 Resp: 5306

Ion Ratio Lower Upper

41 100

69 84.7 70.2 105.4

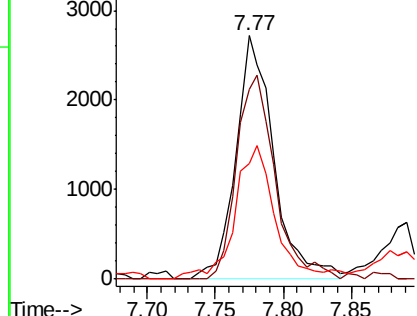
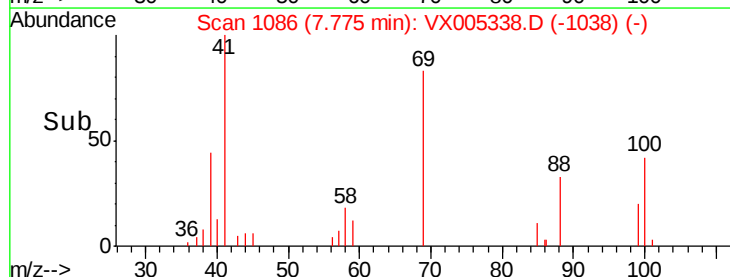
39 56.8 42.7 64.1

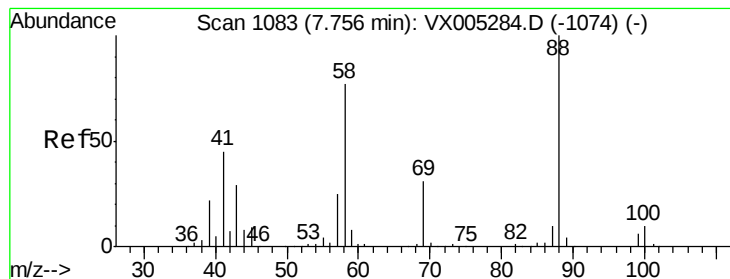


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 40.331 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

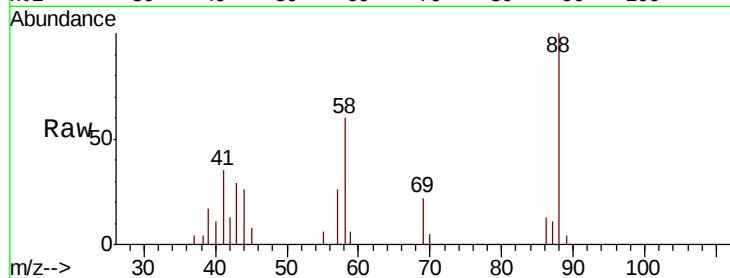
Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

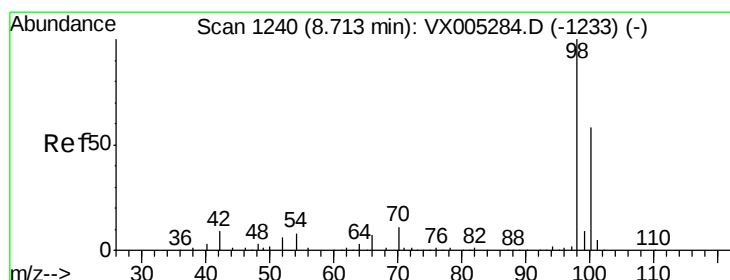
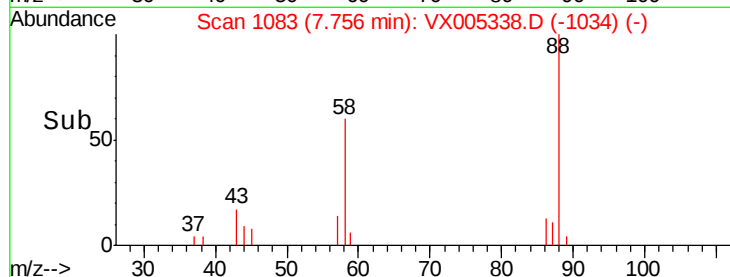
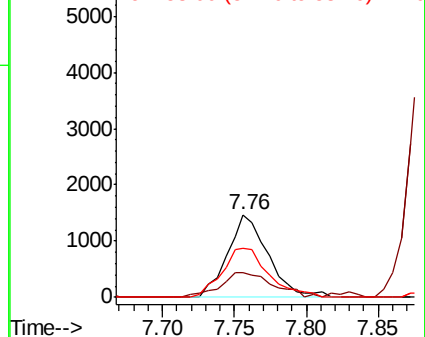
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 2867

Ion	Ratio	Lower	Upper
88	100		
43	38.9	24.7	37.1#
58	68.1	55.3	82.9



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



#50

Toluene-d8

Concen: 52.026 ug/l

RT: 8.71 min Scan# 1240

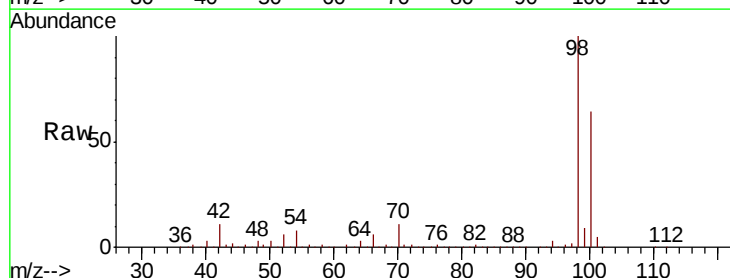
Delta R.T. 0.00 min

Lab File: VX005338.D

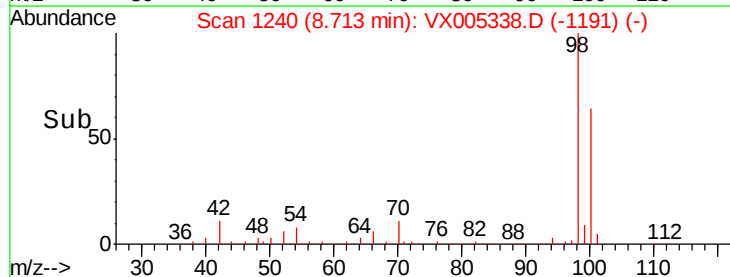
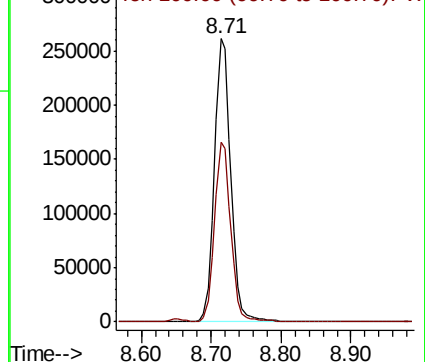
Acq: 15 Oct 2018 12:48

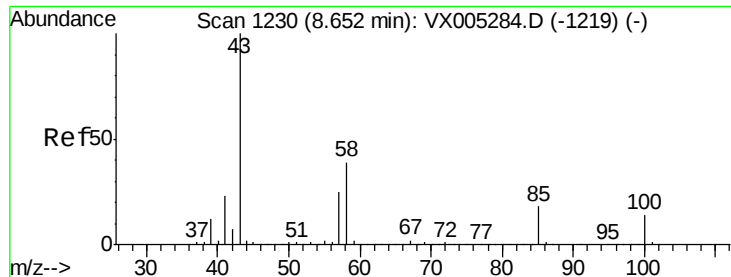
Tgt Ion: 98 Resp: 423702

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.9	79.3



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

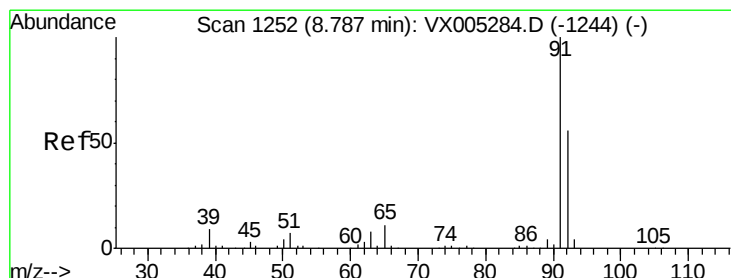
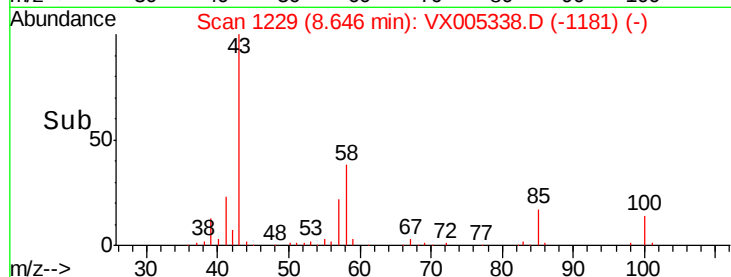
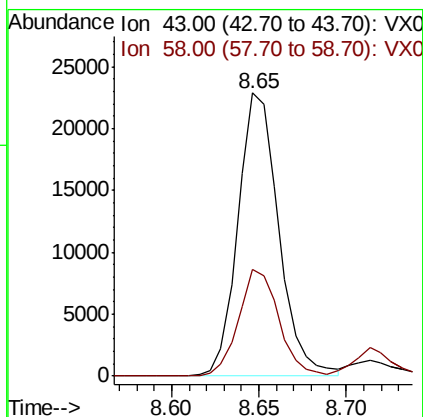
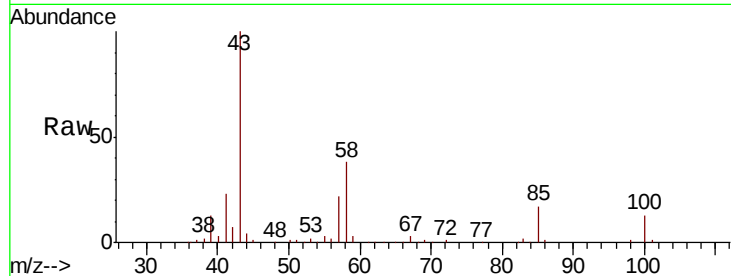




#51
 4-Methyl-2-Pentanone
 Concen: 9.029 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

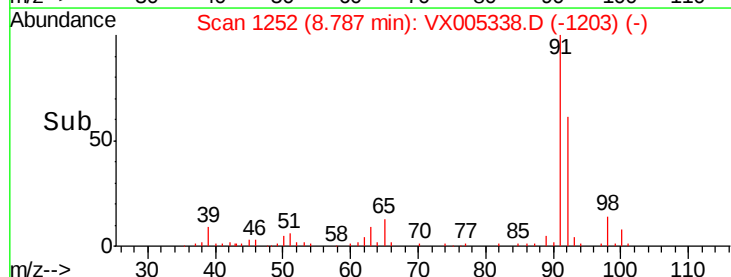
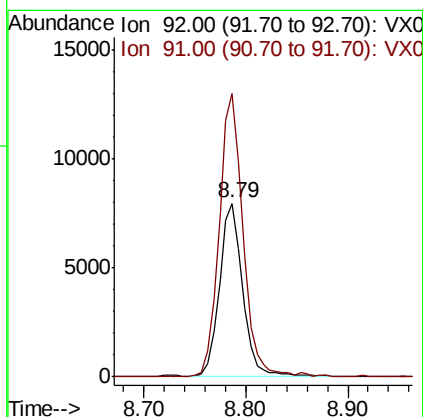
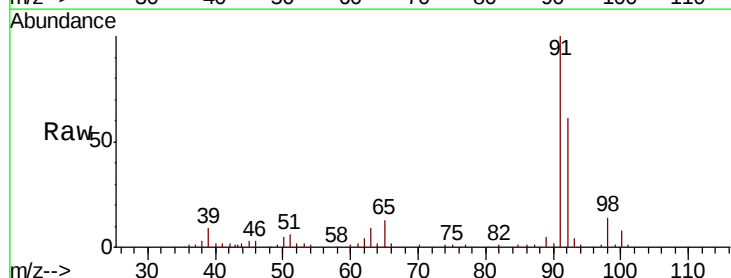
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 37150
 Ion Ratio Lower Upper
 43 100
 58 37.2 33.1 49.7



#52
 Toluene
 Concen: 2.232 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 92 Resp: 12708
 Ion Ratio Lower Upper
 92 100
 91 165.7 136.4 204.6

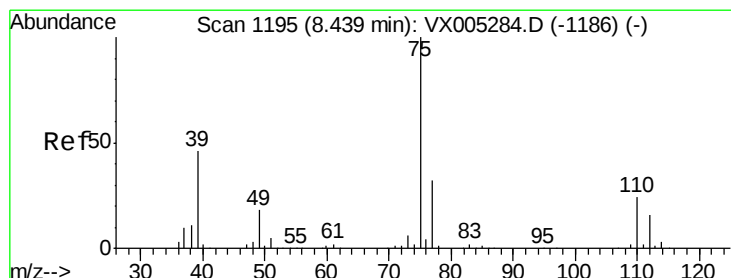
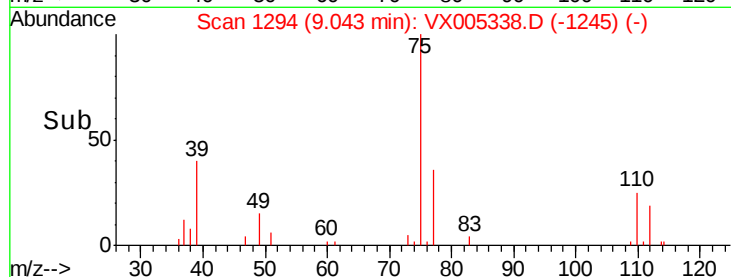
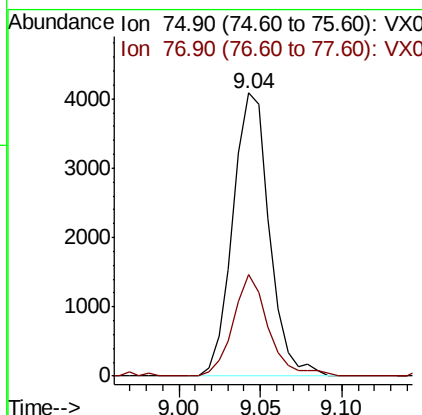
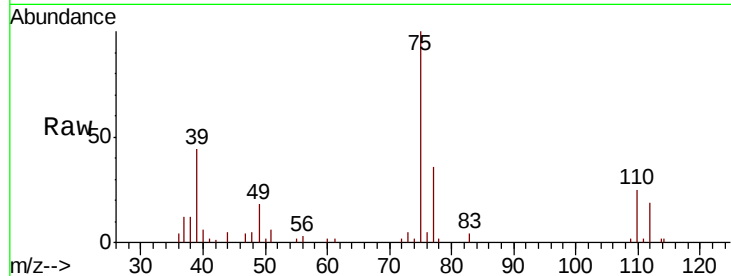




#53
 t-1,3-Dichloropropene
 Concen: 1.890 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

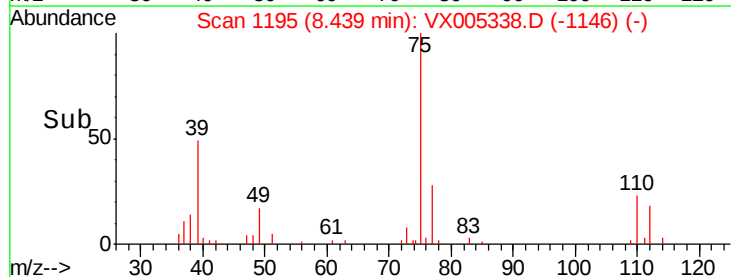
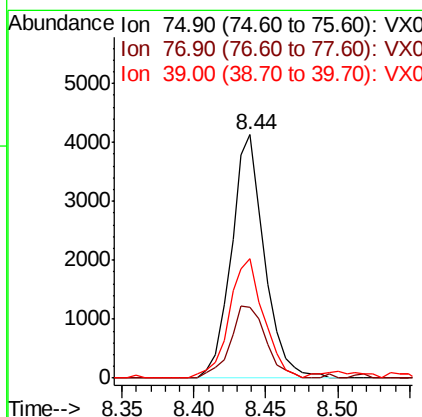
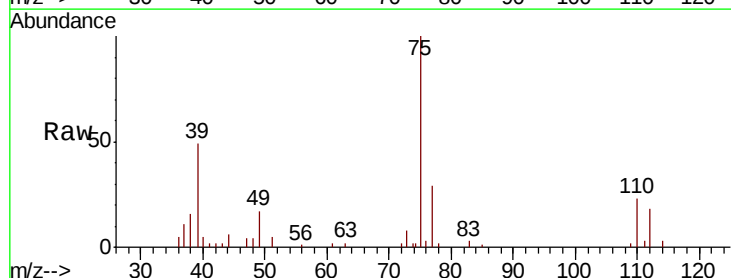
Instrument :
 MSVOA_X
 ClientSampleId :

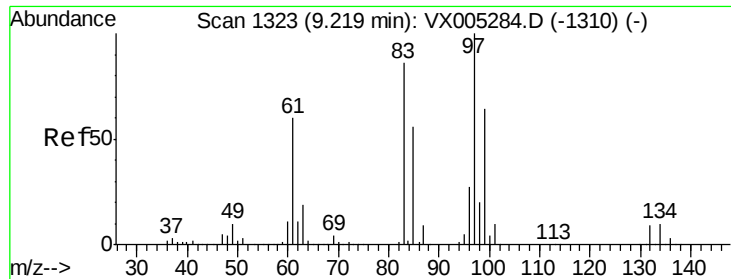
Tot Ion: 75 Resp: 6374
 Ion Ratio Lower Upper
 75 100
 77 35.8 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 1.806 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 75 Resp: 6600
 Ion Ratio Lower Upper
 75 100
 77 29.0 26.2 39.2
 39 48.8 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 2.104 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 97 Resp: 5073

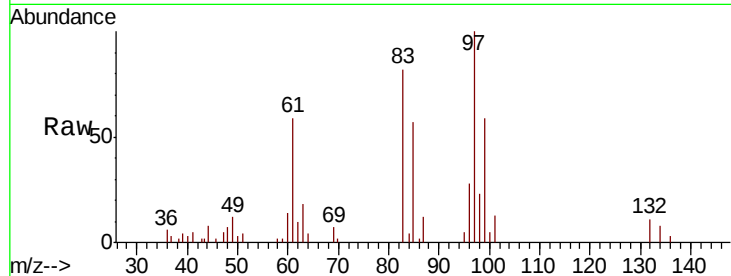
Ion Ratio Lower Upper

97 100

83 82.3 66.4 99.6

85 56.8 43.3 64.9

99 58.6 49.0 73.4

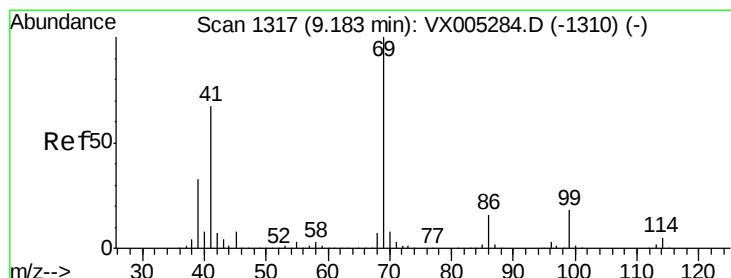
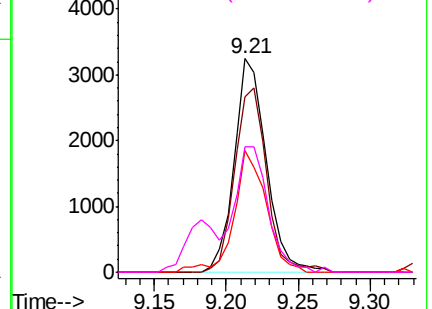
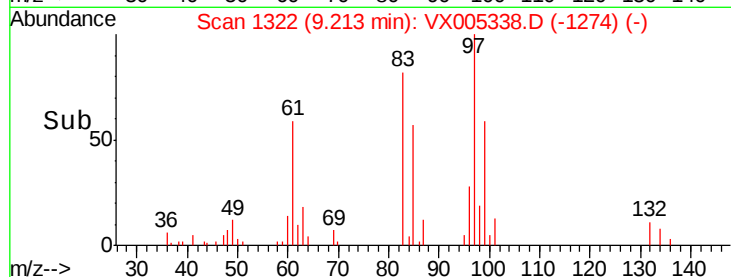


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 1.889 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

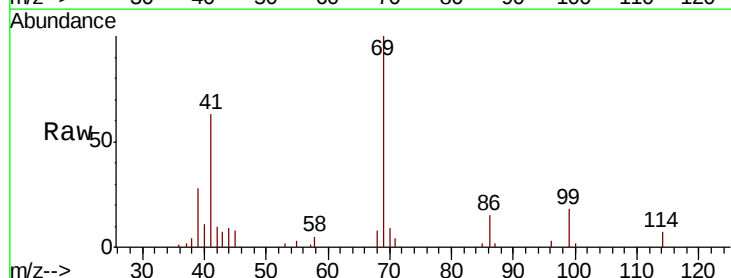
Tgt Ion: 69 Resp: 6639

Ion Ratio Lower Upper

69 100

41 68.2 51.0 76.4

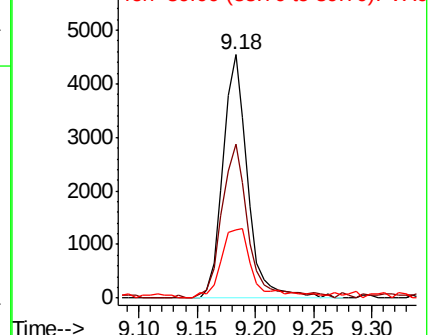
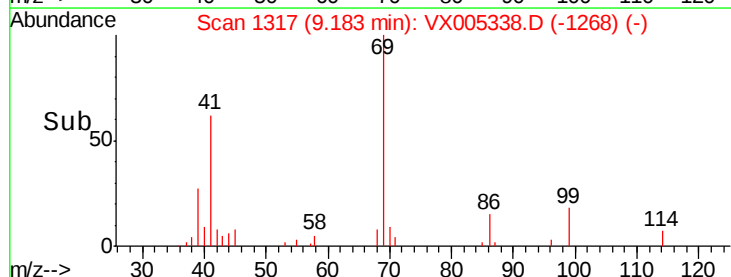
39 37.3 26.1 39.1

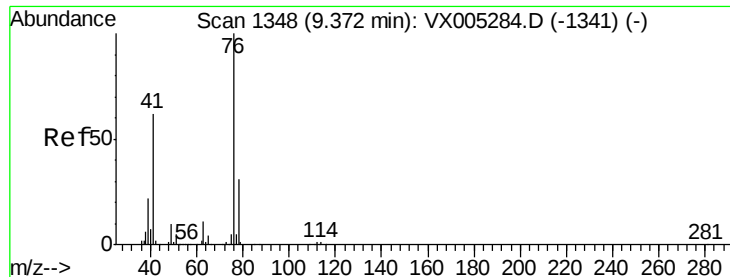


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 2.100 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

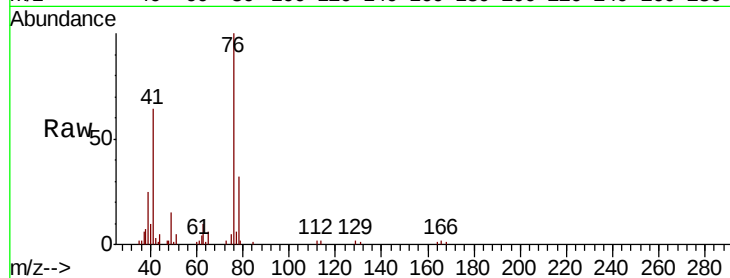
ClientSampleId :

Tot Ion: 76 Resp: 8452

Ion Ratio Lower Upper

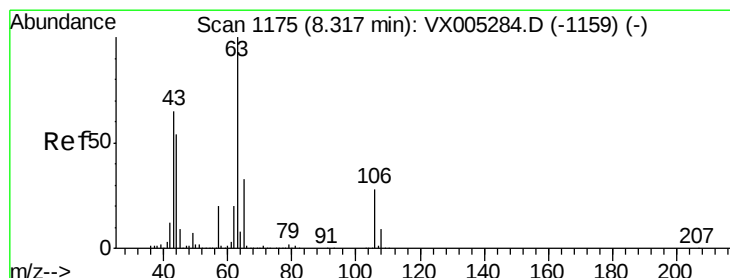
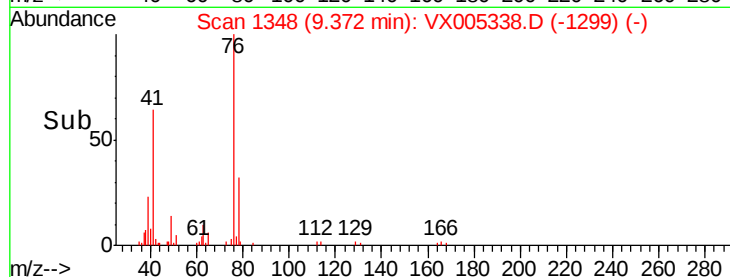
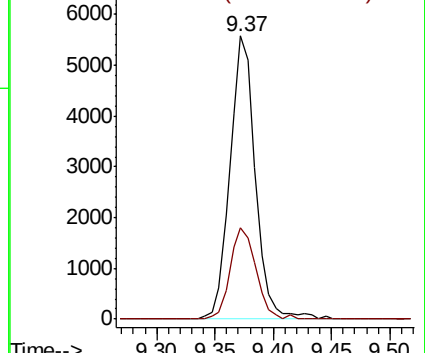
76 100

78 32.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 8.878 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005338.D

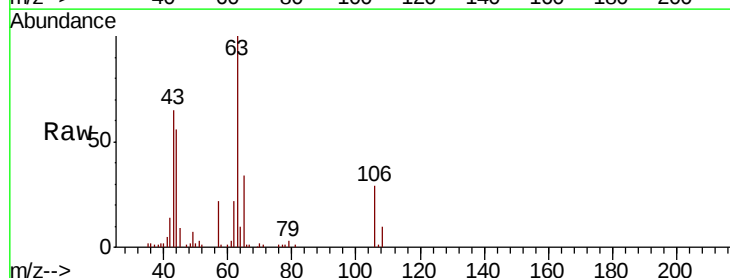
Acq: 15 Oct 2018 12:48

Tgt Ion: 63 Resp: 17502

Ion Ratio Lower Upper

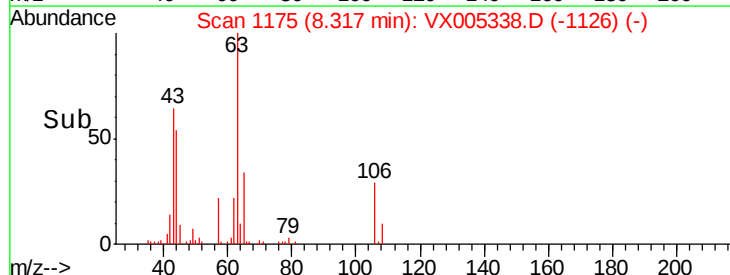
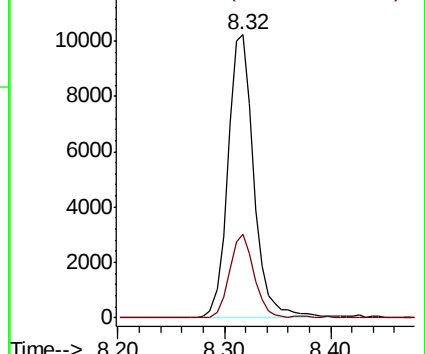
63 100

106 27.8 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

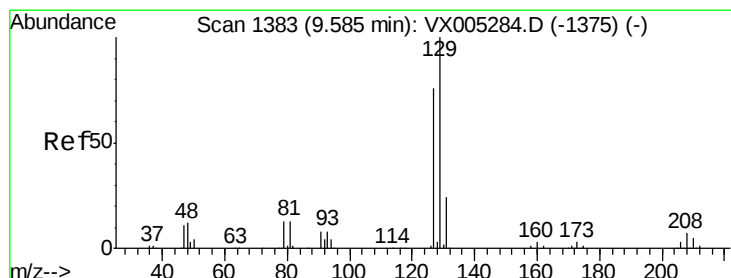
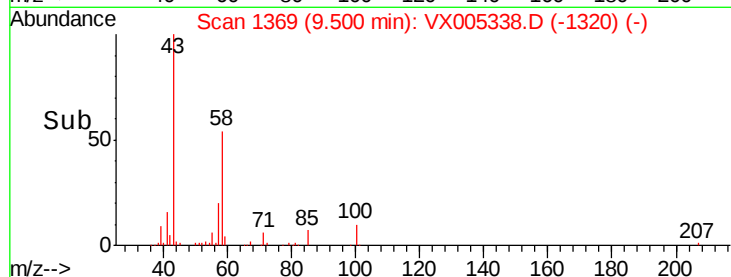
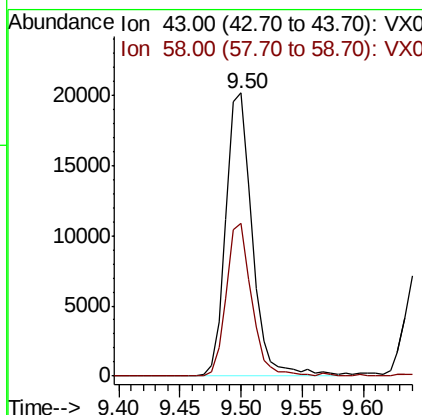
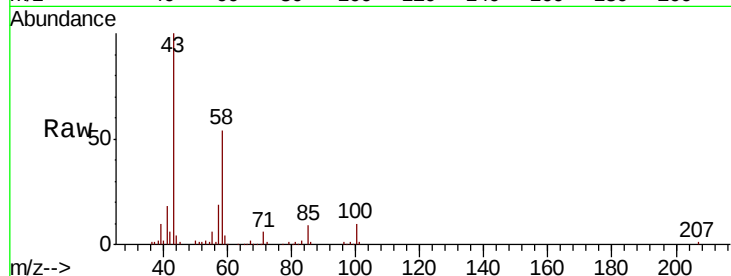




#59
2-Hexanone
Concen: 9.108 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

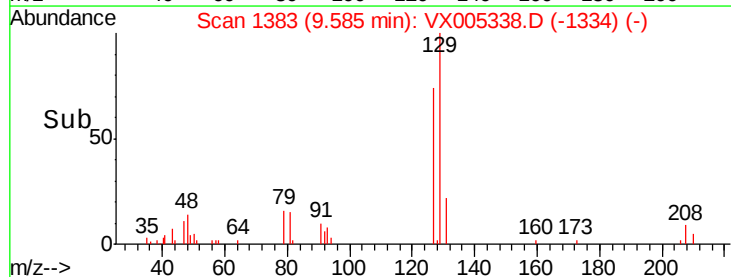
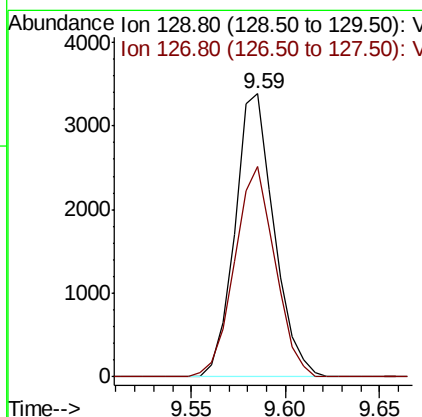
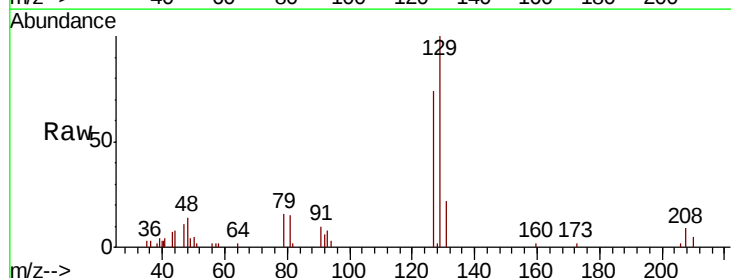
Instrument :
MSVOA_X
ClientSampleId :

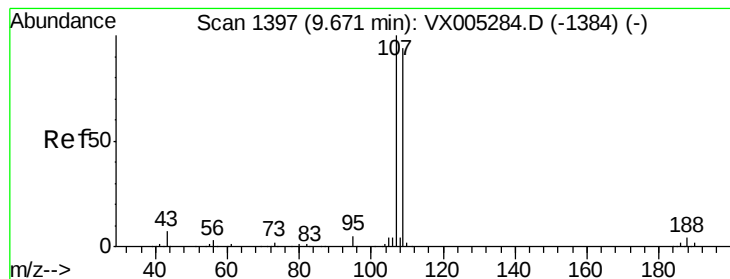
Tot Ion: 43 Resp: 30146
Ion Ratio Lower Upper
43 100
58 51.8 29.0 87.0



#60
Dibromochloromethane
Concen: 1.950 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:129 Resp: 4861
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 1.981 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

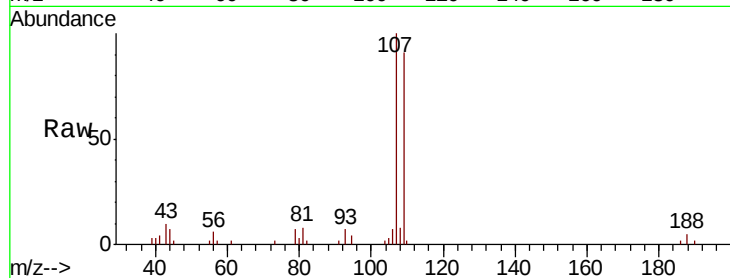
ClientSampleId :

Tot Ion:107 Resp: 5012

Ion Ratio Lower Upper

107 100

109 97.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

4000

3000

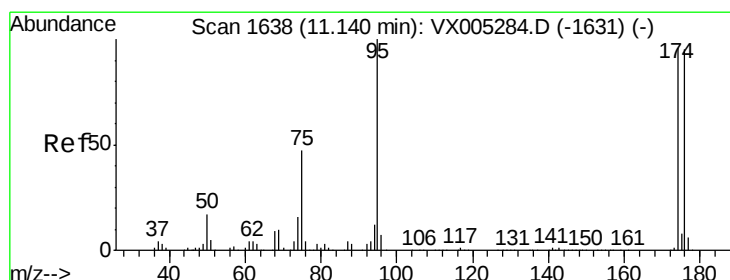
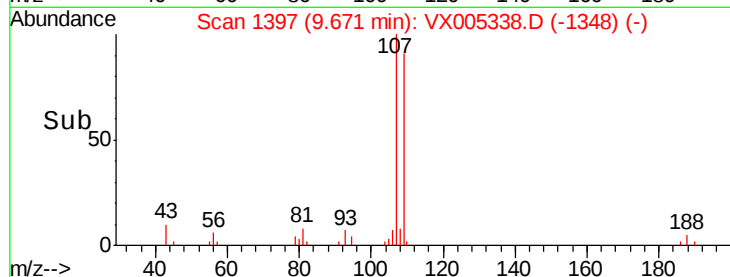
2000

1000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.823 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

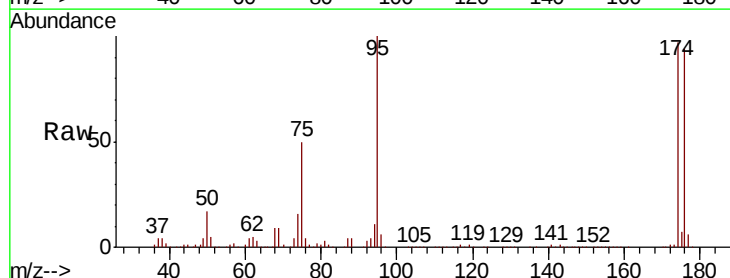
Tgt Ion: 95 Resp: 149371

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

176 92.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

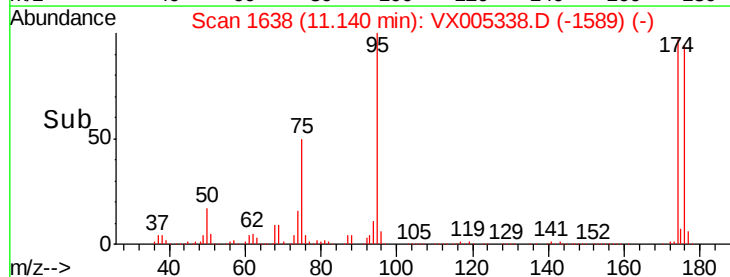
100000

50000

0

Time-->

11.10 11.20

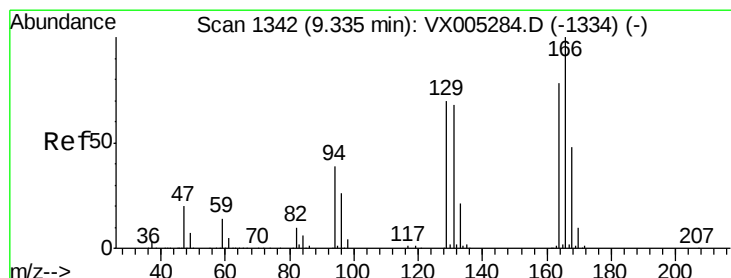
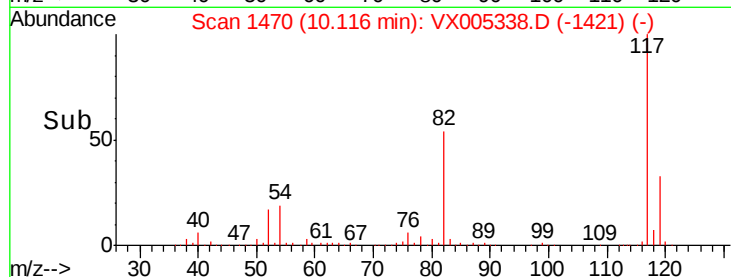
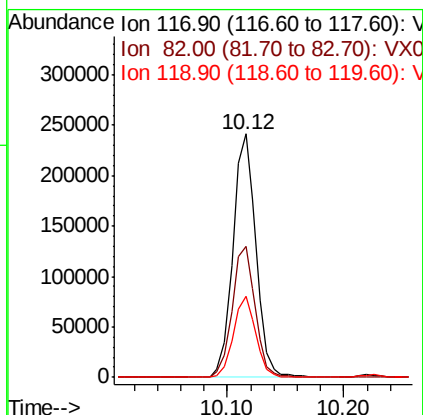
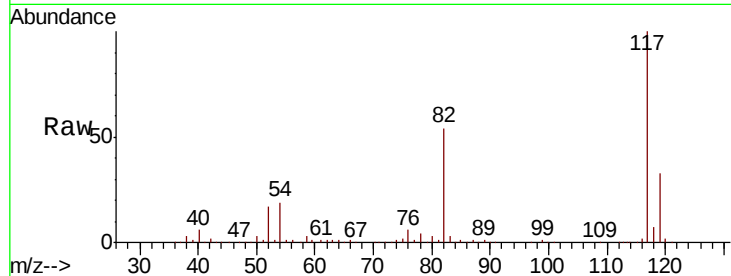




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

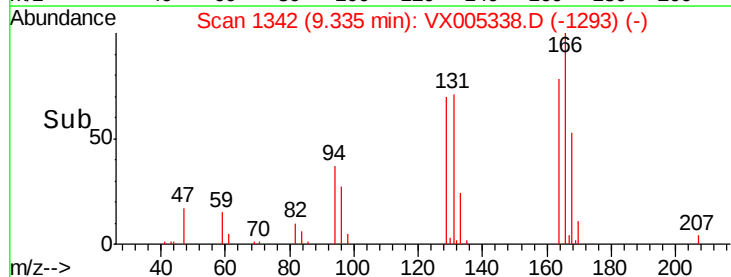
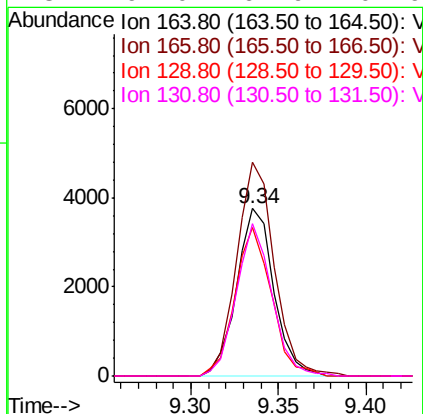
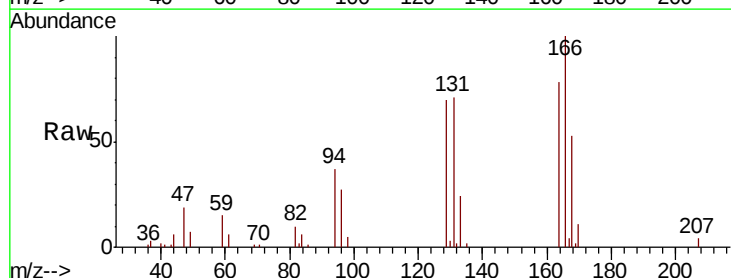
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 331506
Ion Ratio Lower Upper
117 100
82 53.7 47.8 71.6
119 33.1 29.3 43.9



#64
Tetrachloroethene
Concen: 2.084 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:164 Resp: 5563
Ion Ratio Lower Upper
164 100
166 127.7 102.8 154.2
129 89.0 69.4 104.0
131 91.0 67.9 101.9

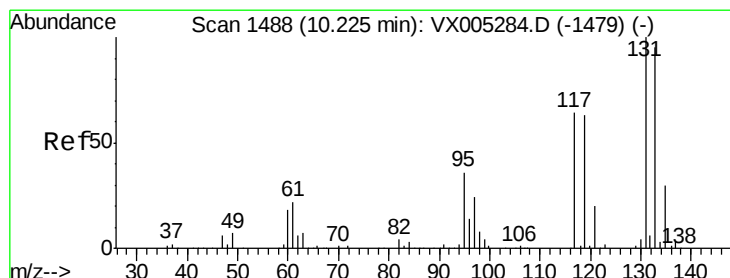
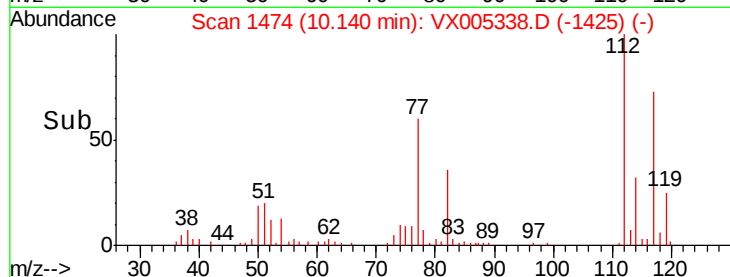
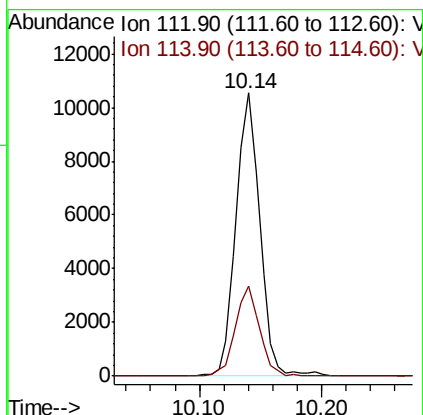
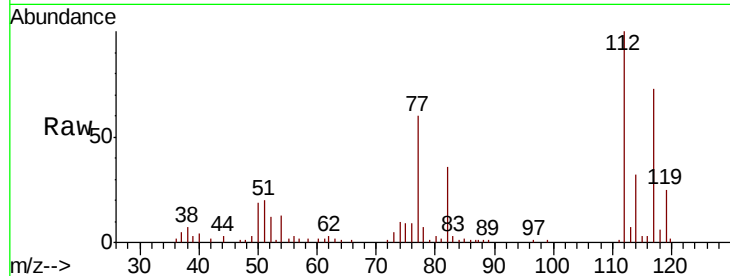




#65
Chlorobenzene
Concen: 2.015 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

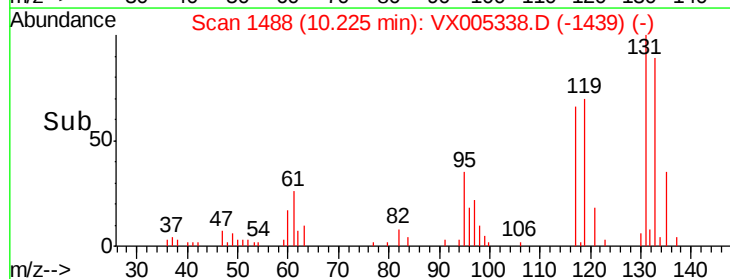
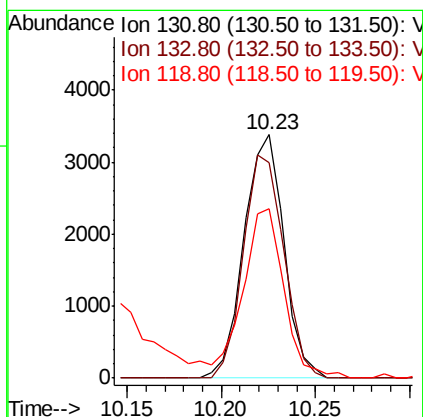
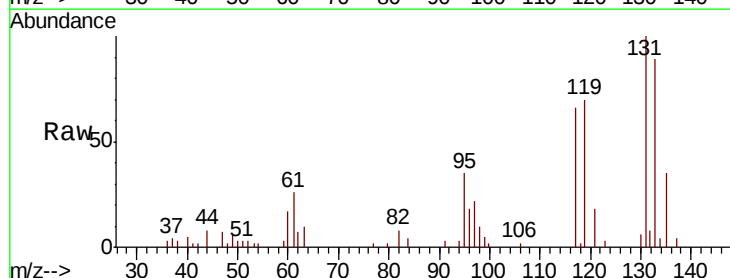
Instrument :
MSVOA_X
ClientSampleId :

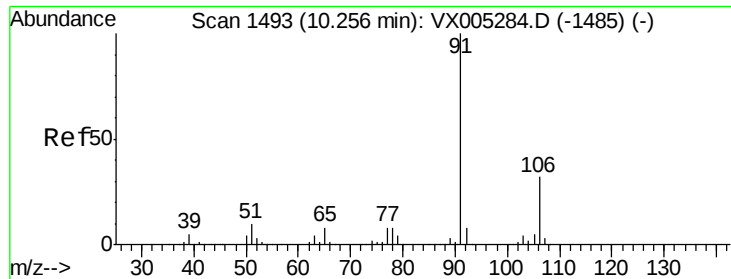
Tot Ion:112 Resp: 14208
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.976 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:131 Resp: 4966
Ion Ratio Lower Upper
131 100
133 93.0 48.1 144.4
119 71.4 32.9 98.6

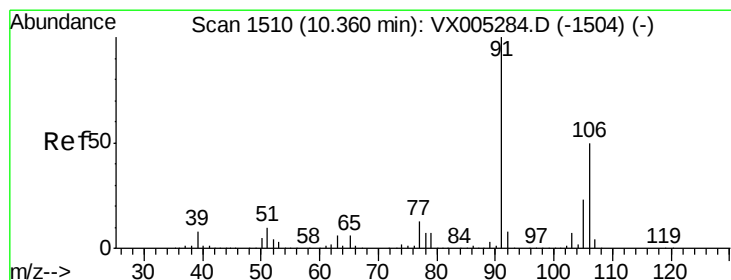
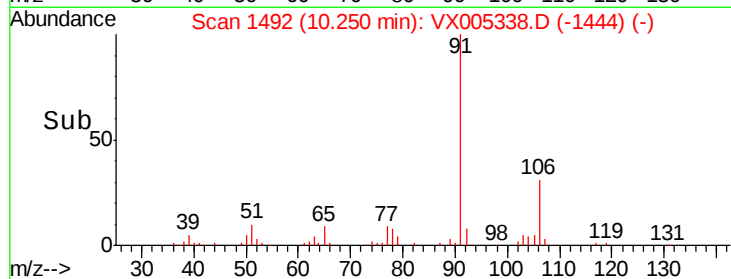
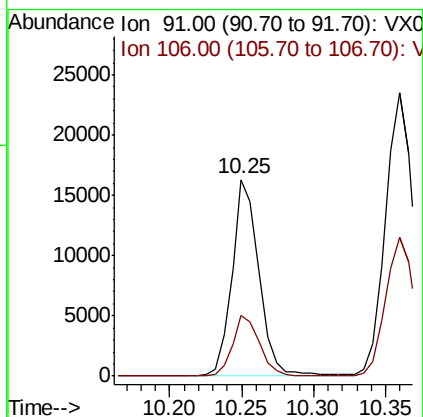
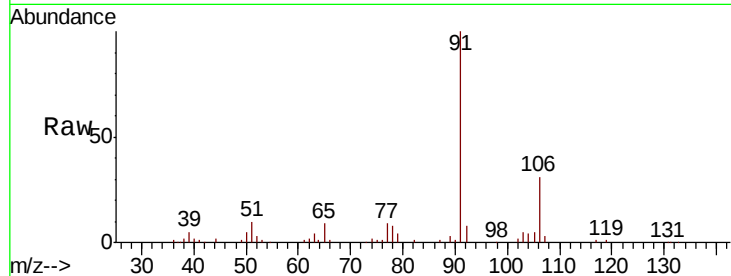




#67
Ethyl Benzene
Concen: 1.865 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

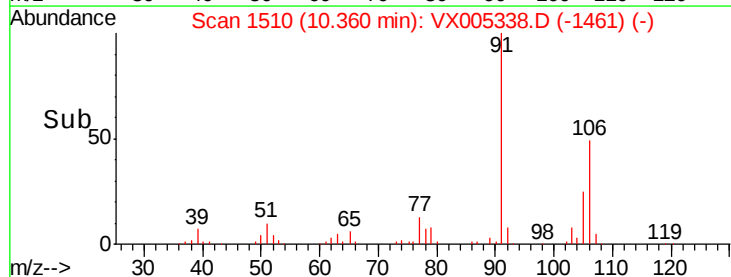
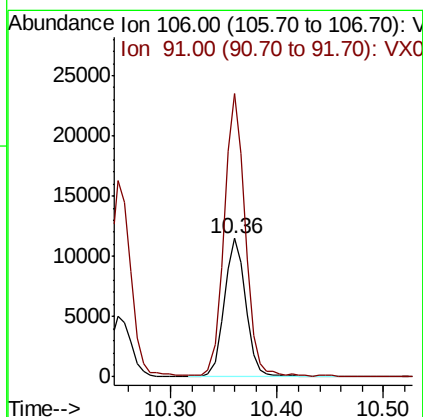
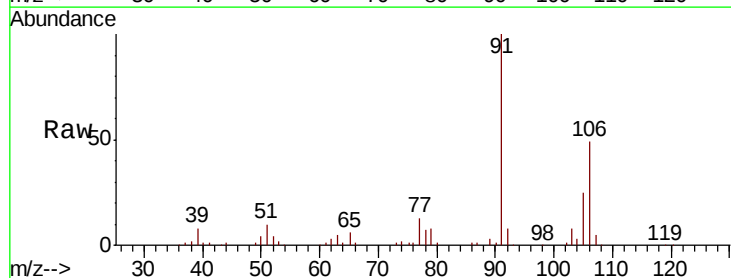
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 21376
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9



#68
m/p-Xylenes
Concen: 3.671 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 106 Resp: 16335
Ion Ratio Lower Upper
106 100
91 195.9 157.1 235.7

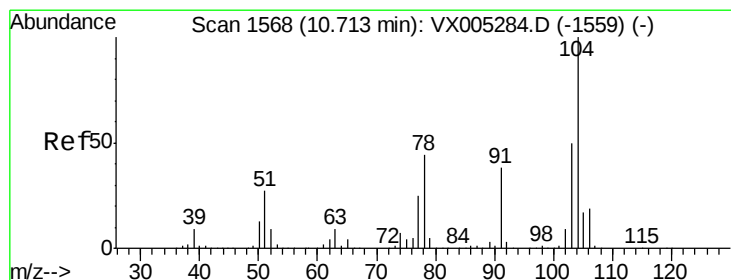
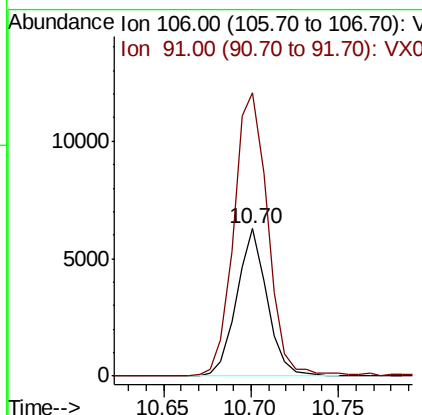
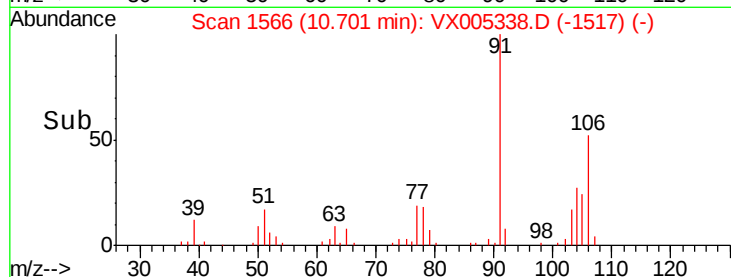
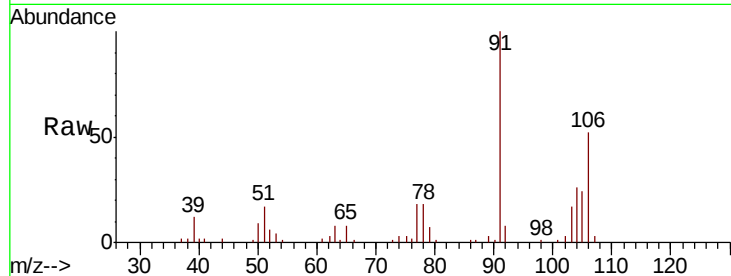




#69
o-Xylene
Concen: 1.765 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

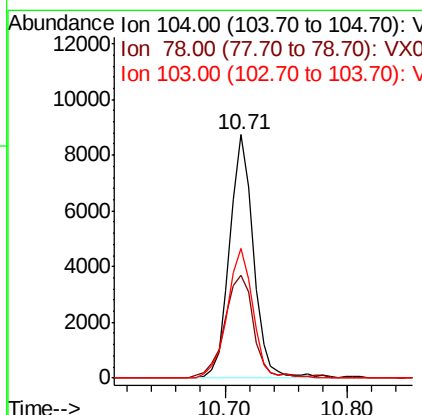
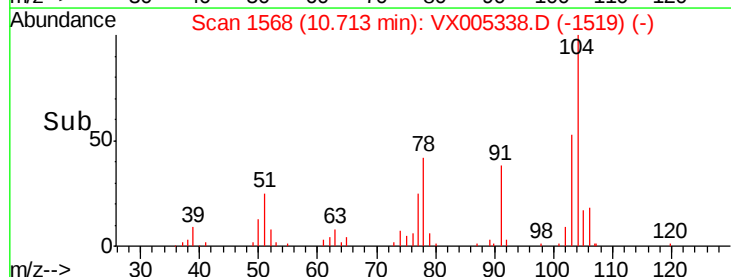
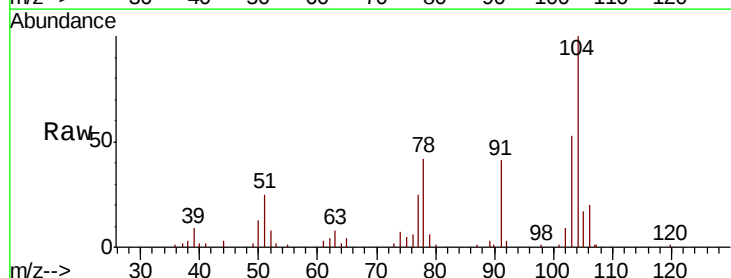
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 7572
Ion Ratio Lower Upper
106 100
91 216.1 105.1 315.1



#70
Styrene
Concen: 1.671 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:104 Resp: 11797
Ion Ratio Lower Upper
104 100
78 51.3 37.4 56.0
103 57.3 43.8 65.6

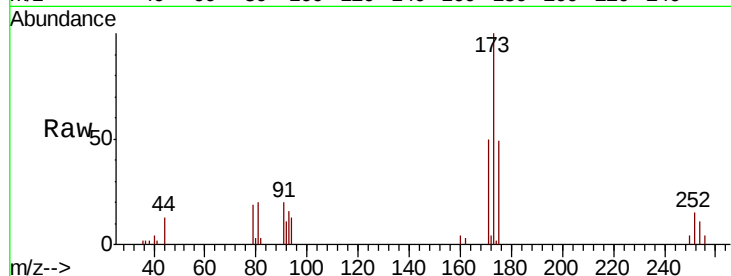




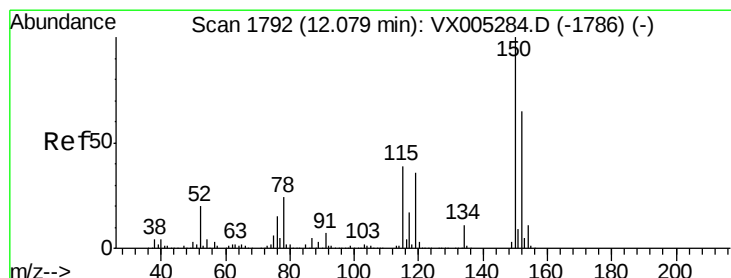
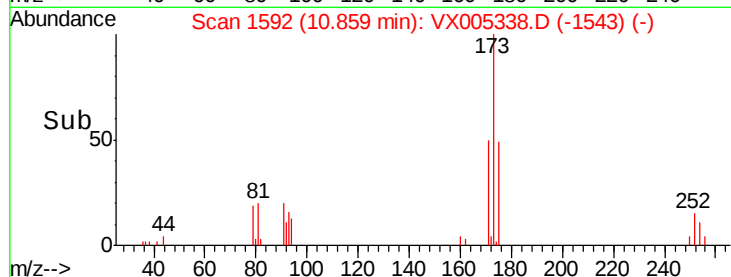
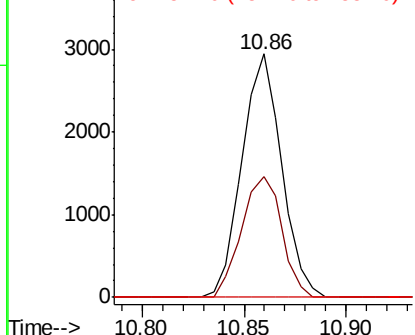
#71
Bromoform
Concen: 1.766 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 3965
Ion Ratio Lower Upper
173 100
175 50.2 24.1 72.3
254 0.0 0.2 0.2#

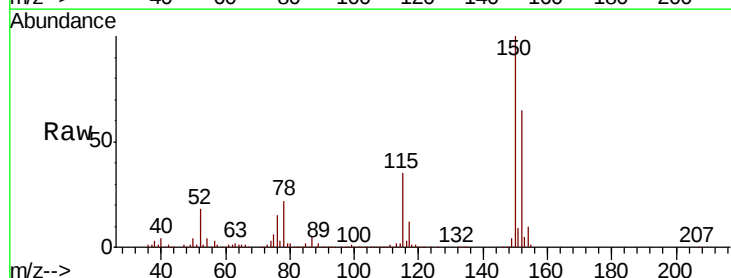


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

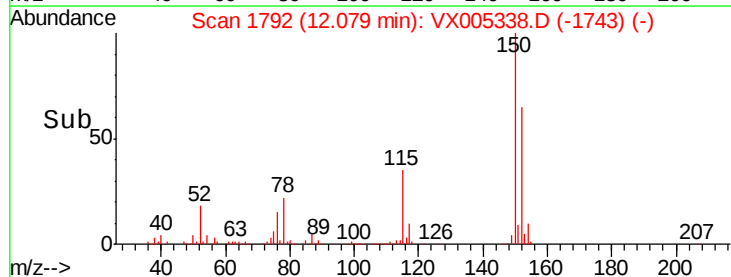
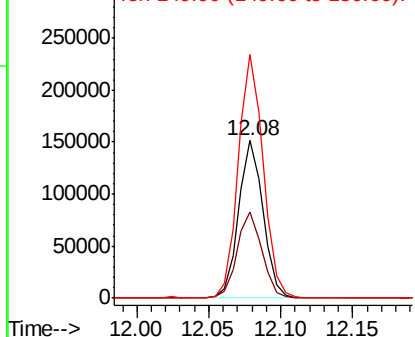


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:152 Resp: 179191
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 157.4 0.0 351.0



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: 1.884 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

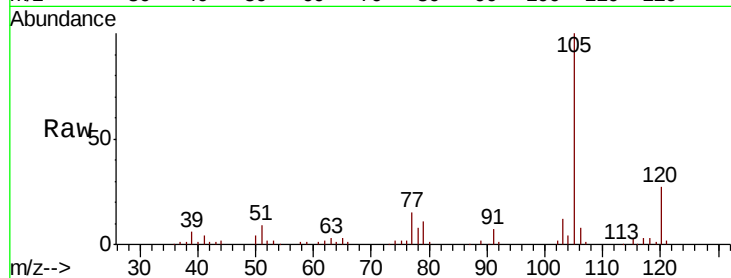
ClientSampleId :

Tot Ion:105 Resp: 20072

Ion Ratio Lower Upper

105 100

120 26.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

11.02

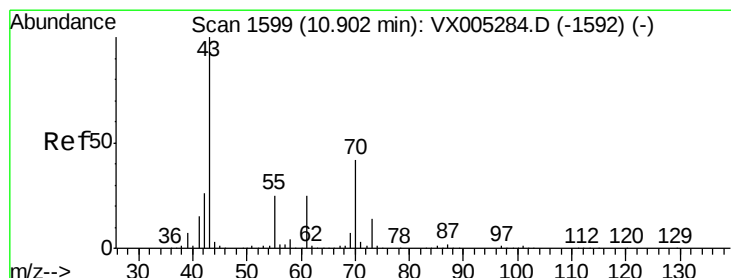
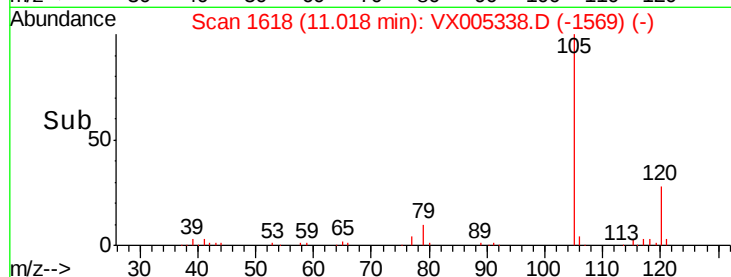
10000

5000

0

Time-->

10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 1.793 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion: 43 Resp: 9213

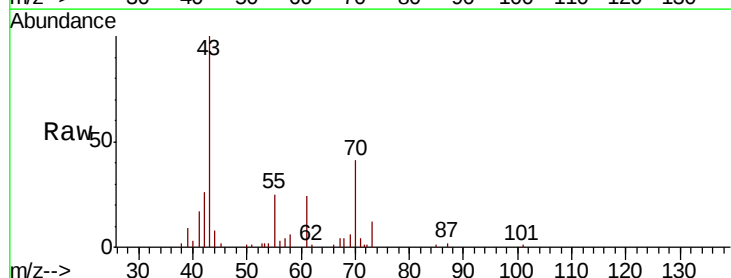
Ion Ratio Lower Upper

43 100

70 39.7 37.4 56.0

55 26.7 21.8 32.8

61 22.4 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10000

10.90

8000

6000

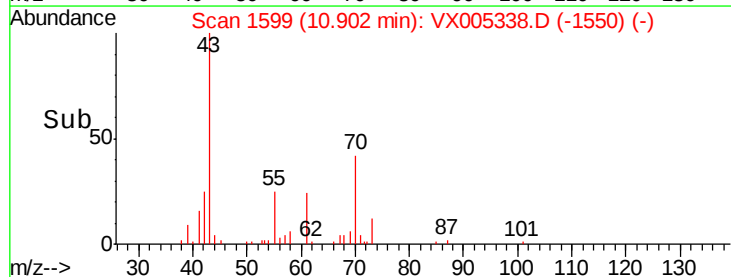
4000

2000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 2.050 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

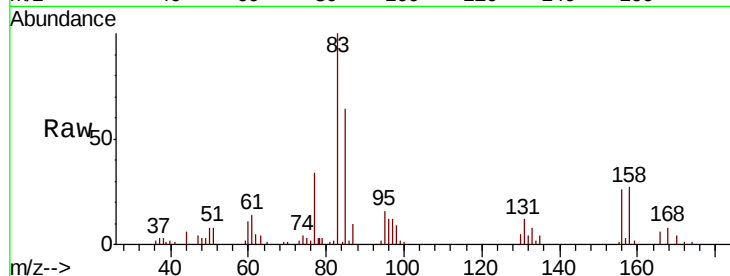
Tot Ion: 83 Resp: 8237

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	65.9	32.3	96.8

83 100

131 10.6 5.2 15.6

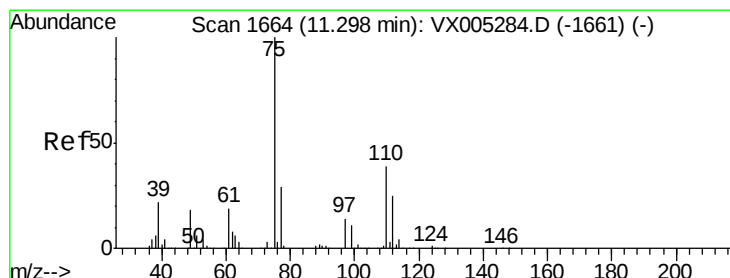
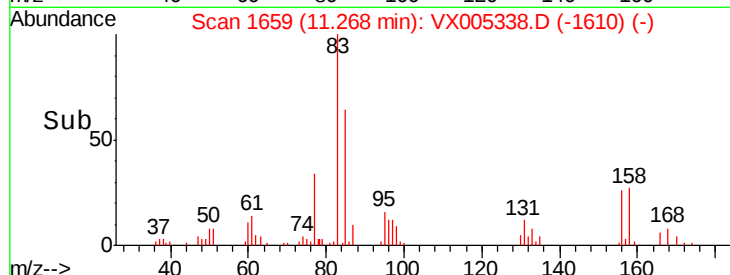
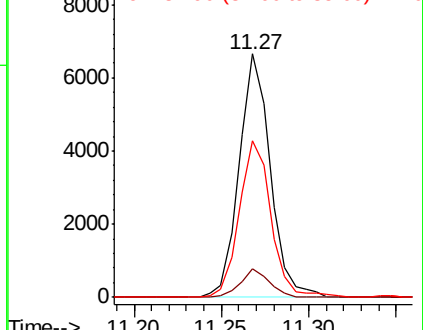
85 65.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 2.541 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005338.D

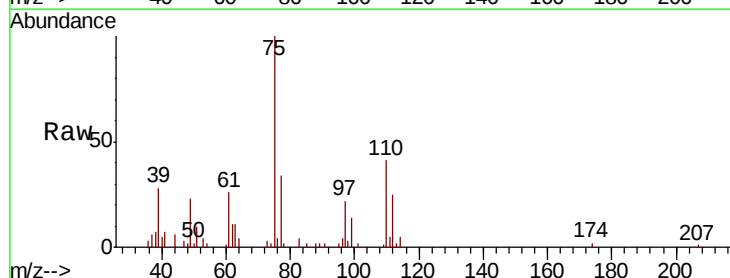
Acq: 15 Oct 2018 12:48

Tgt Ion: 75 Resp: 8833

Ion	Ratio	Lower	Upper
75	100		
77	36.1	20.2	60.6

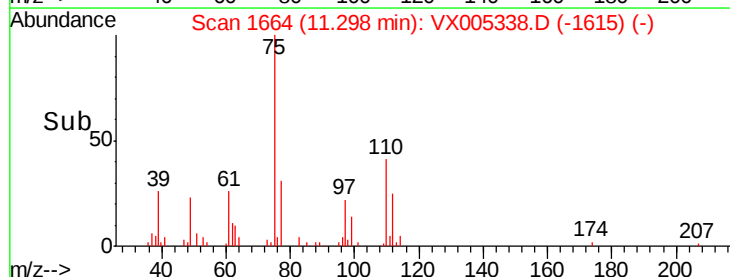
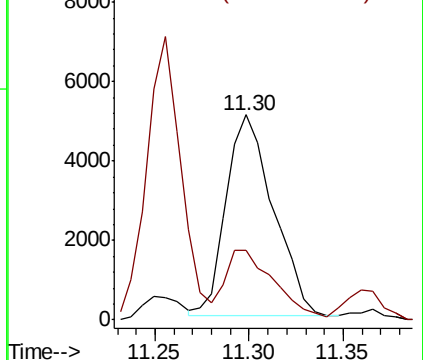
75 100

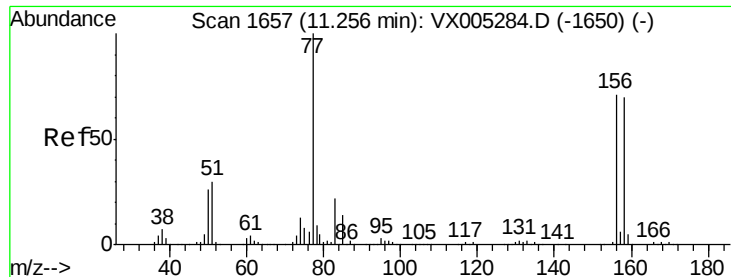
77 36.1 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.114 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

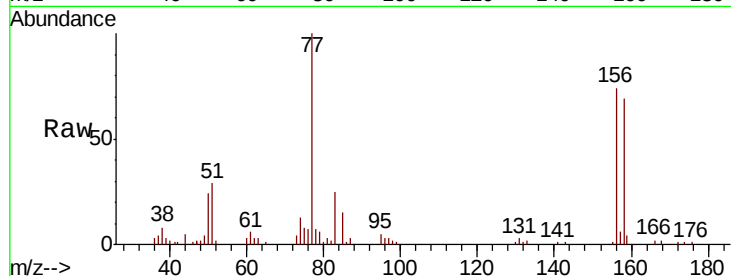
Tot Ion:156 Resp: 6438

Ion Ratio Lower Upper

156 100

77 142.2 71.5 214.3

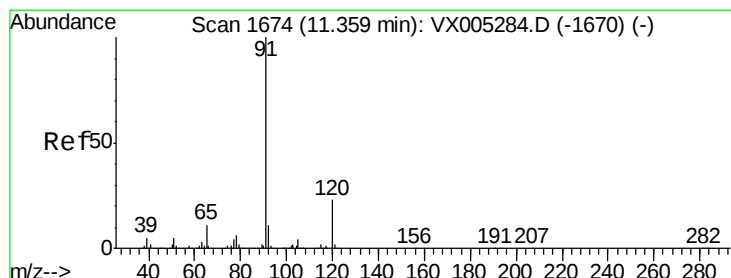
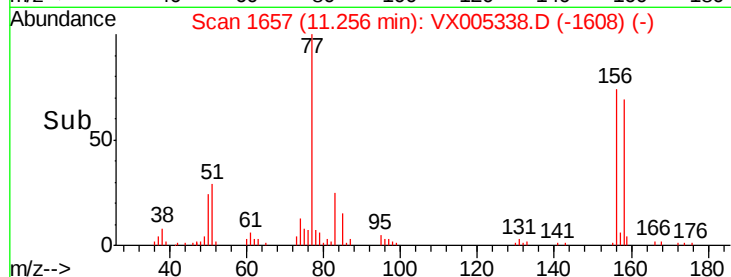
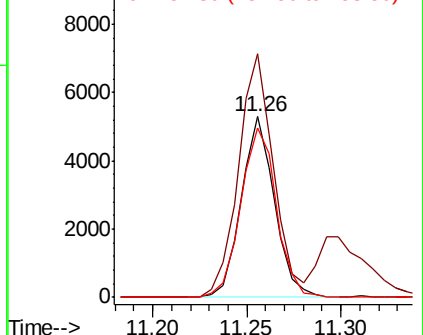
158 100.9 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.942 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005338.D

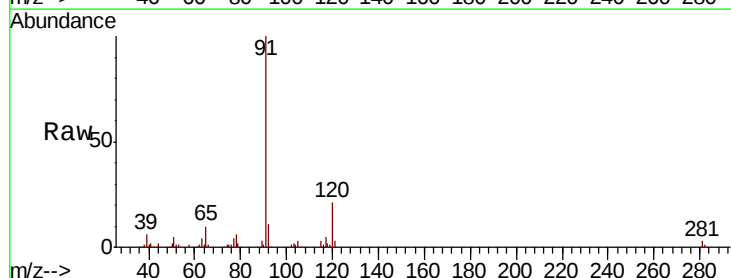
Acq: 15 Oct 2018 12:48

Tgt Ion: 91 Resp: 23802

Ion Ratio Lower Upper

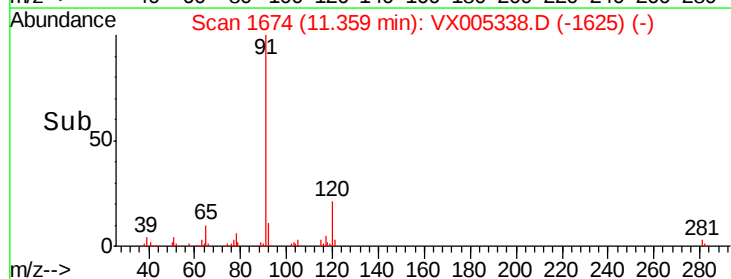
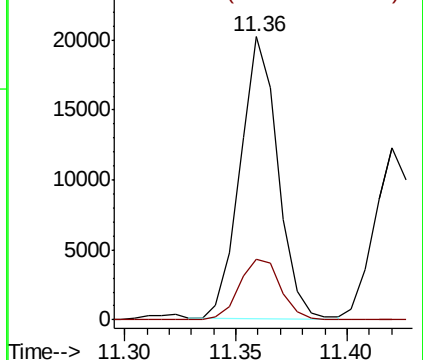
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

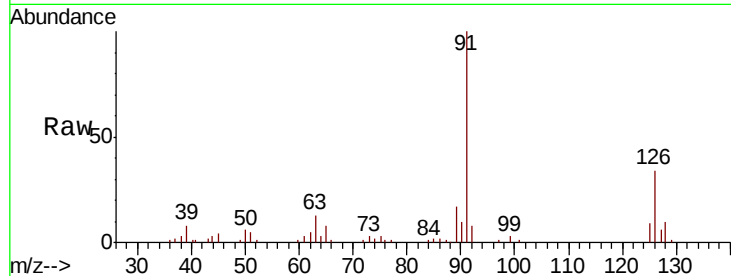




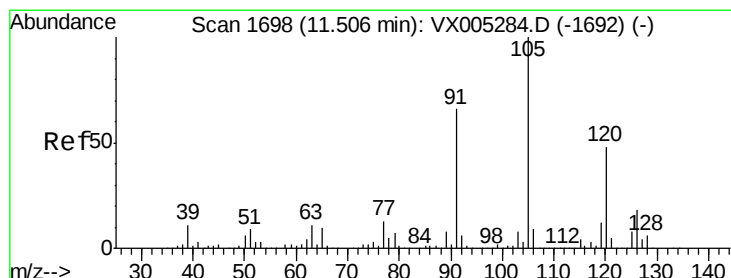
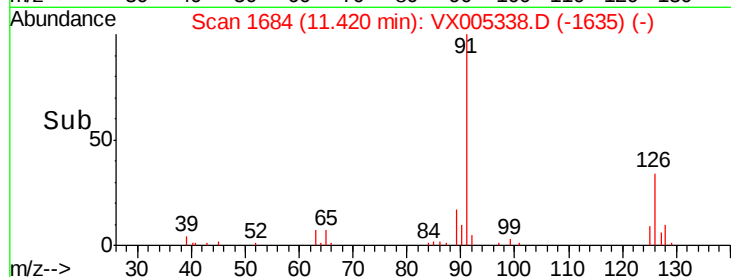
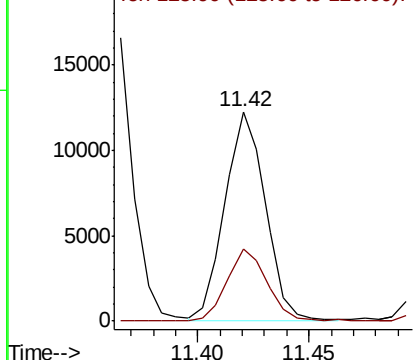
#79
 2-Chlorotoluene
 Concen: 2.054 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 15419
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.9 53.7

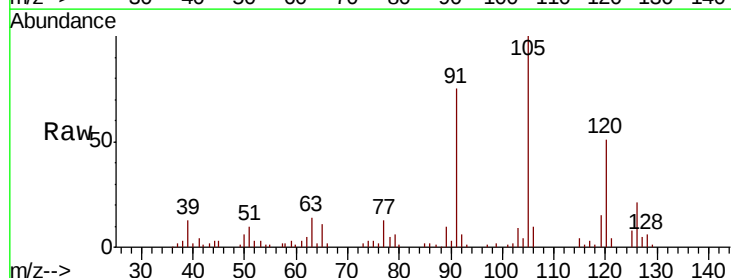


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

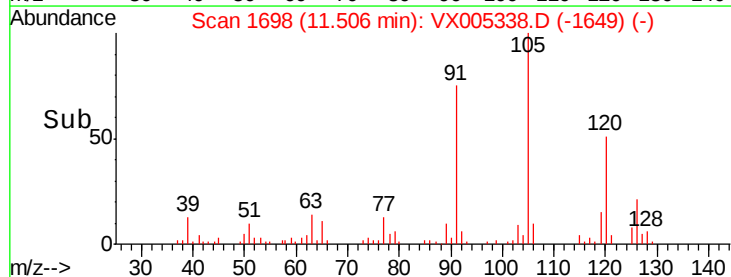
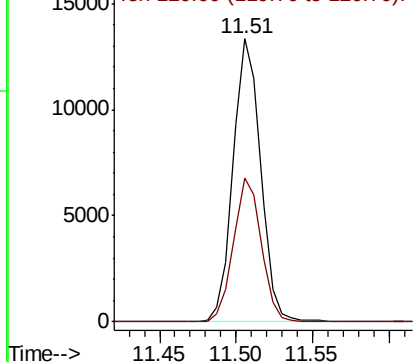


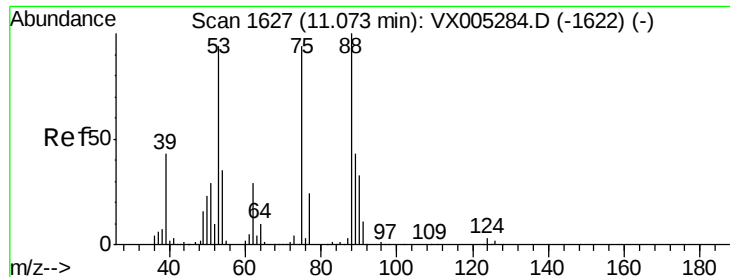
#80
 1,3,5-Trimethylbenzene
 Concen: 1.824 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 105 Resp: 16636
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.750 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

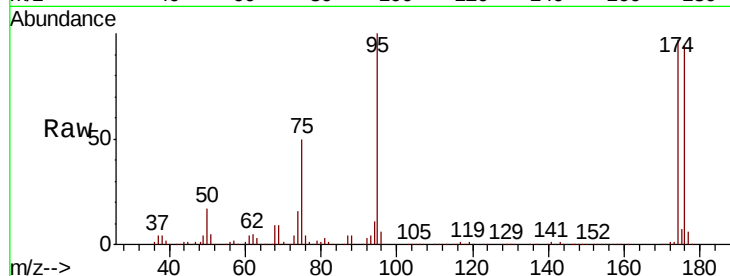
Tot Ion: 75 Resp: 74069

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

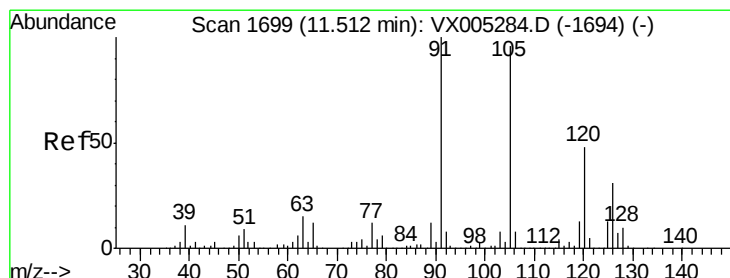
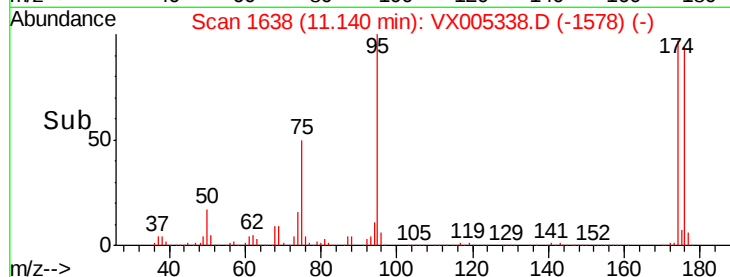
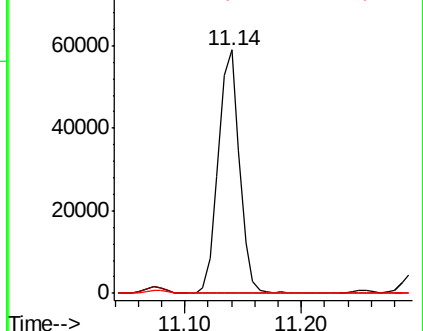
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.955 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005338.D

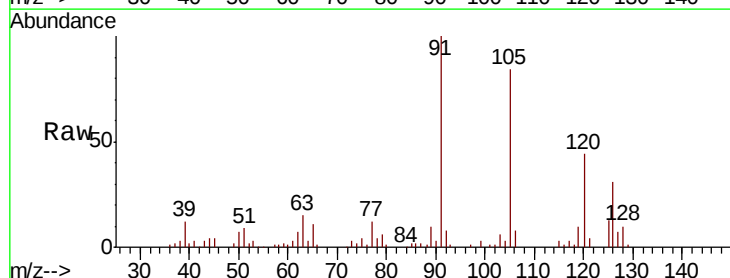
Acq: 15 Oct 2018 12:48

Tgt Ion: 91 Resp: 17402

Ion Ratio Lower Upper

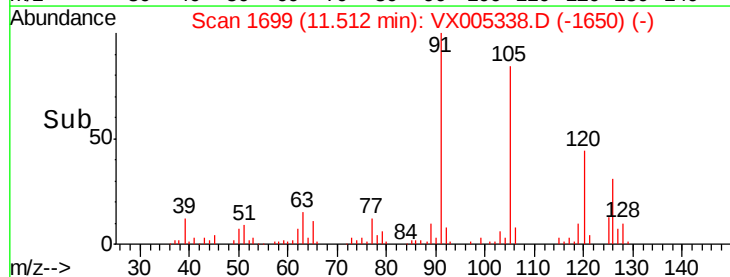
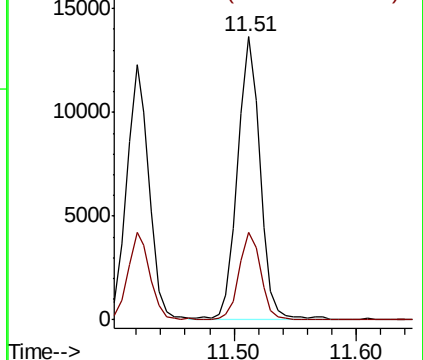
91 100

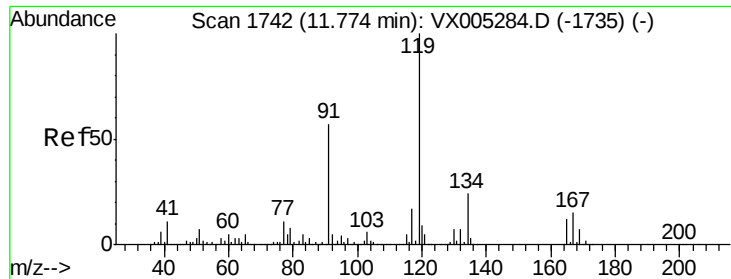
126 29.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

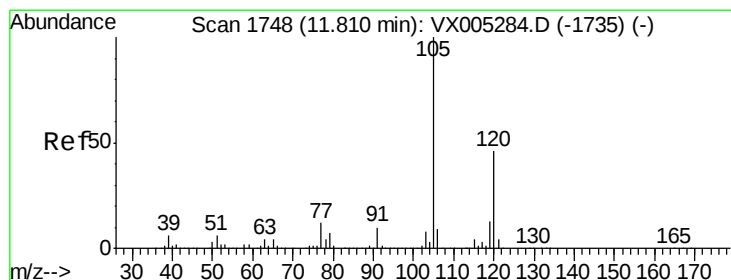
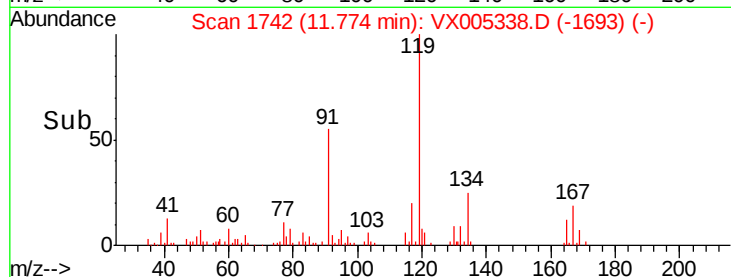
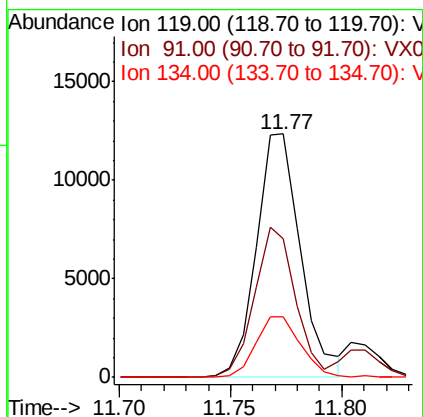
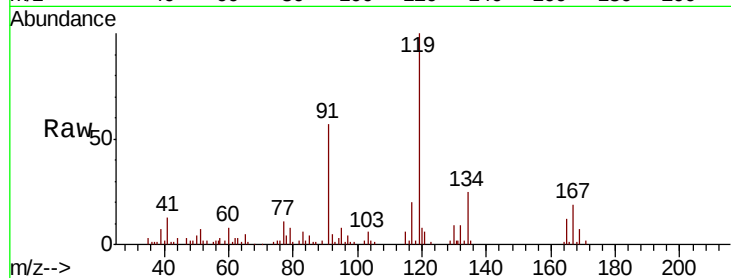




#83
tert-Butylbenzene
Concen: 1.844 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

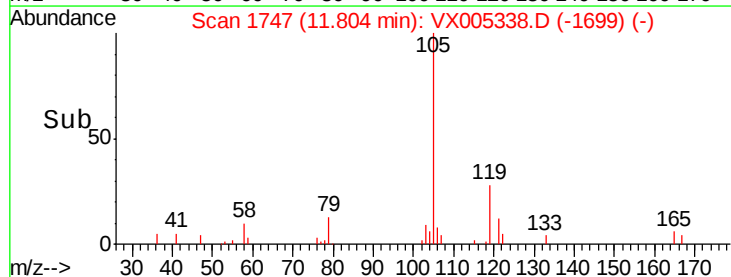
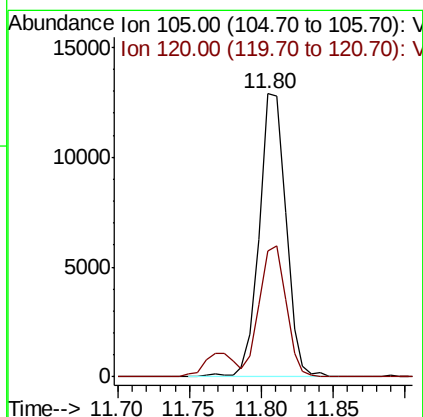
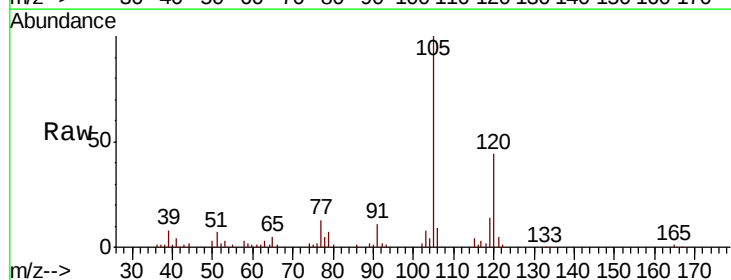
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 17034
Ion Ratio Lower Upper
119 100
91 57.2 27.0 81.0
134 25.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 1.756 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:105 Resp: 16484
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.809 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

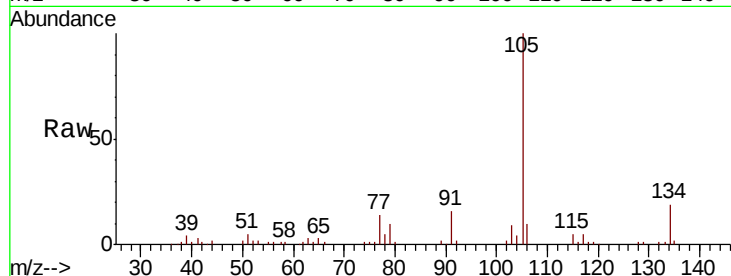
ClientSampleId :

Tot Ion:105 Resp: 19781

Ion Ratio Lower Upper

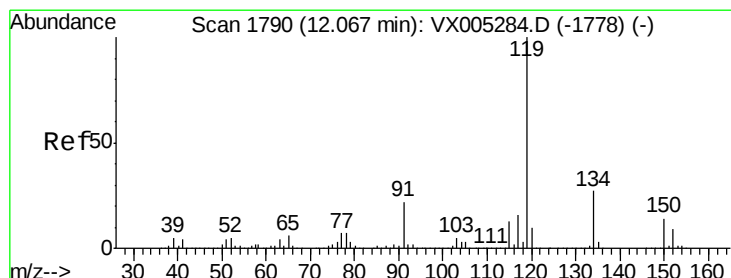
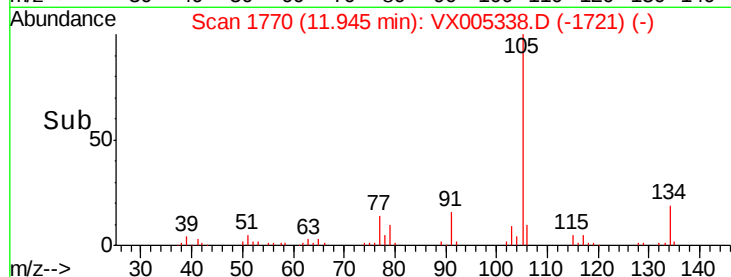
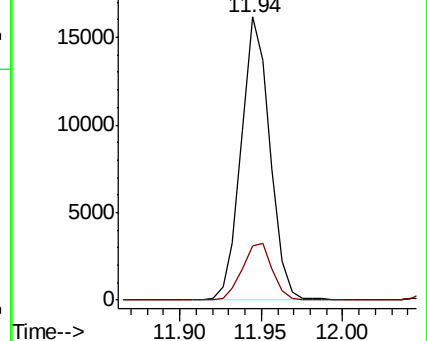
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.799 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

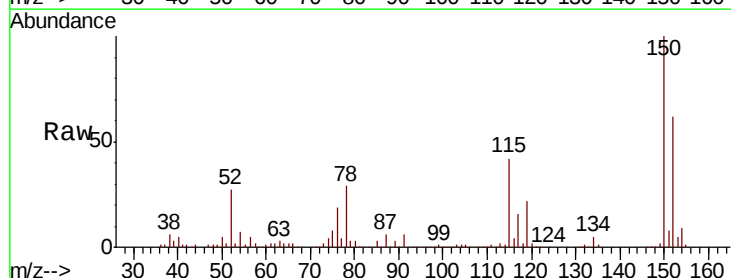
Tgt Ion:119 Resp: 17773

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

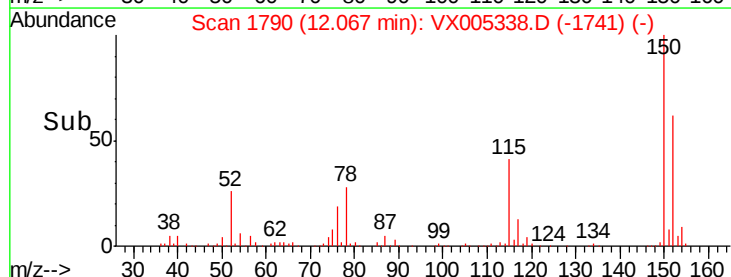
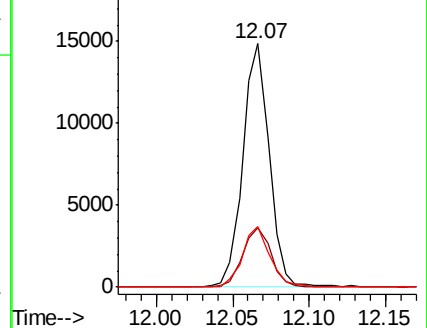
91 26.1 10.9 32.7

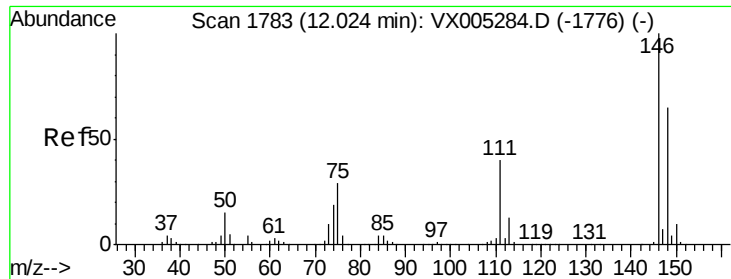


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 1.985 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

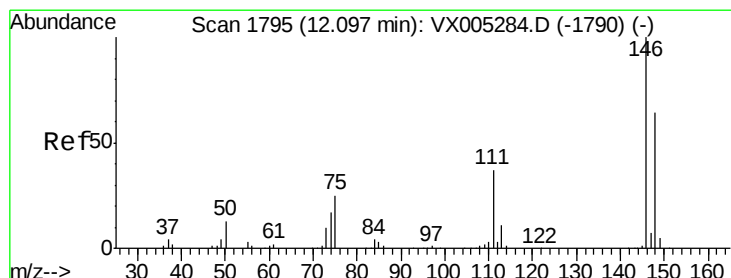
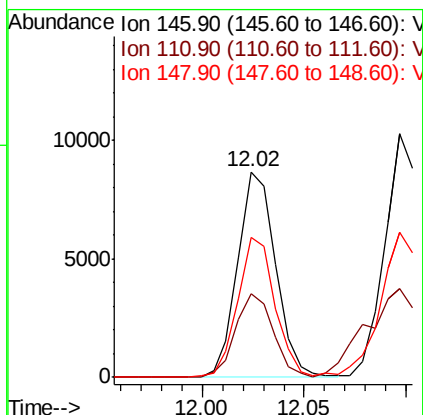
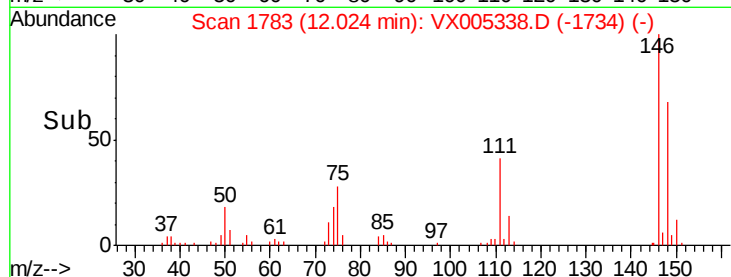
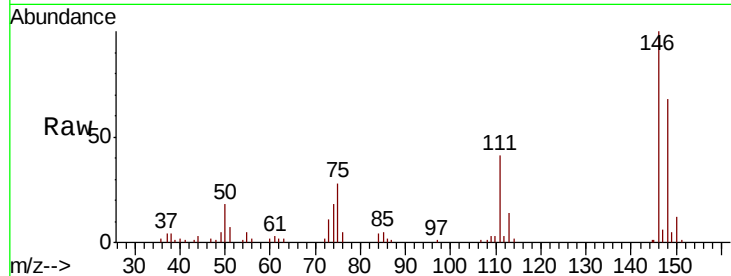
Tot Ion:146 Resp: 11296

Ion Ratio Lower Upper

146 100

111 39.9 18.7 56.1

148 66.3 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 2.139 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

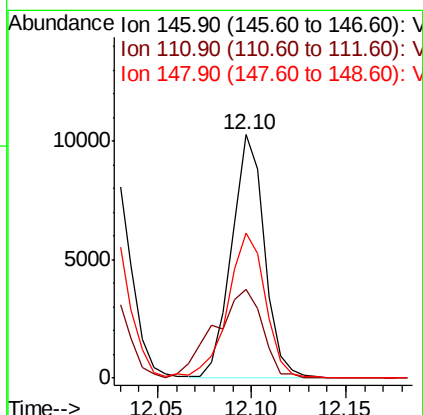
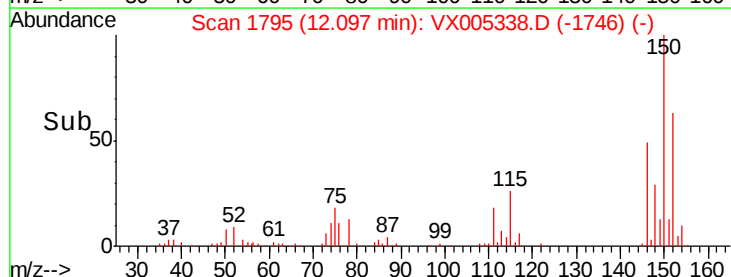
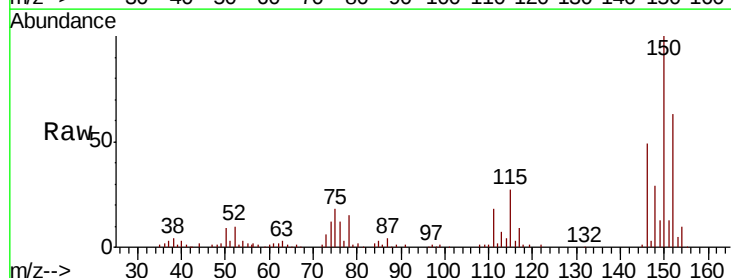
Tgt Ion:146 Resp: 12452

Ion Ratio Lower Upper

146 100

111 53.3 18.1 54.1

148 68.5 32.0 96.0

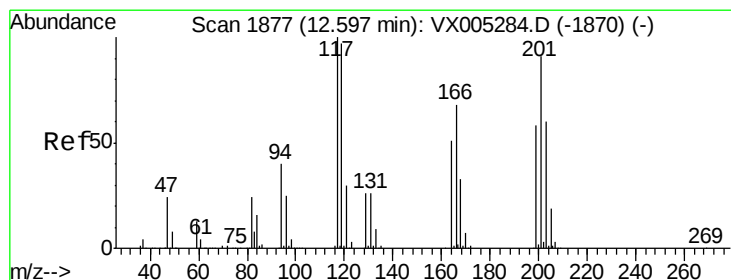
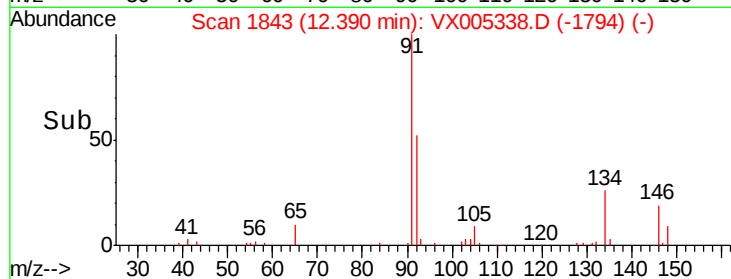
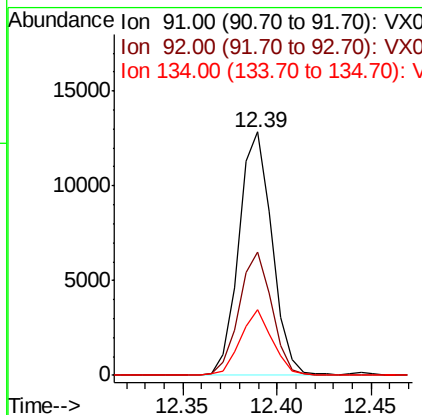
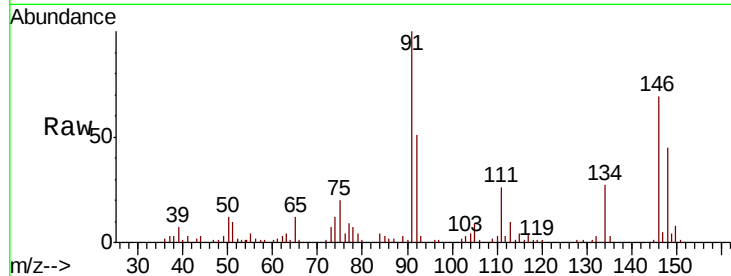




#89
n-Butylbenzene
Concen: 1.747 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

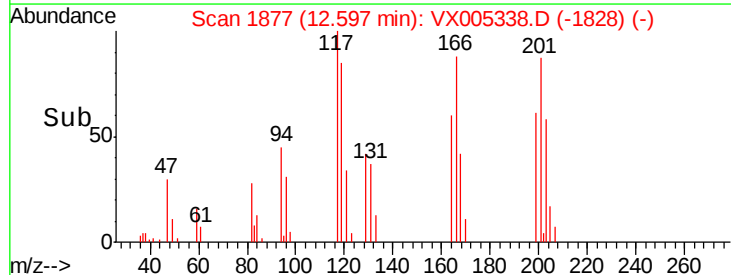
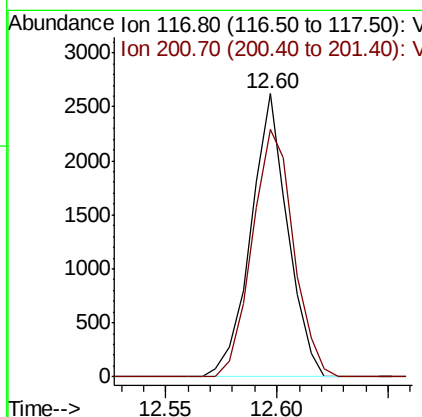
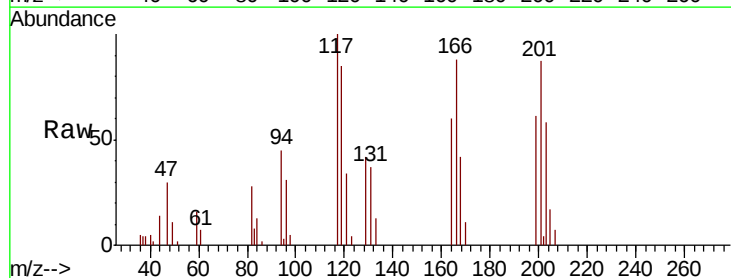
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 15670
Ion Ratio Lower Upper
91 100
92 50.2 27.3 81.9
134 26.1 13.6 40.7



#90
Hexachloroethane
Concen: 1.768 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 117 Resp: 3011
Ion Ratio Lower Upper
117 100
201 98.1 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 1.998 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

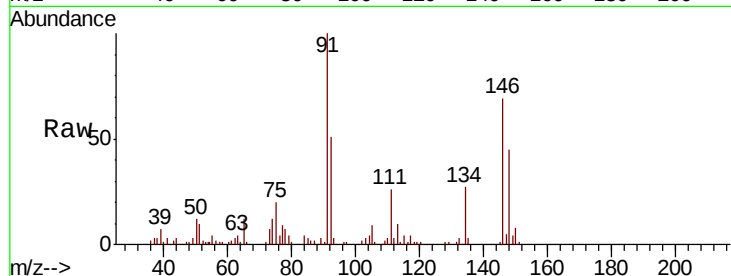
Tot Ion:146 Resp: 11603

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.1

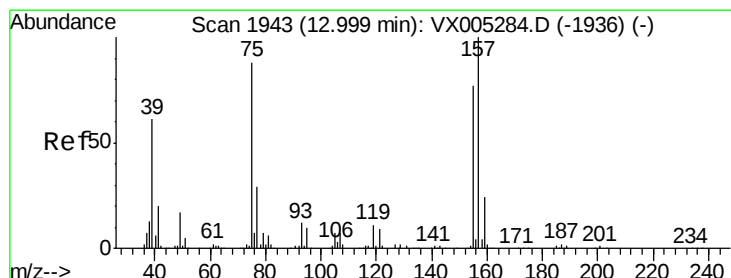
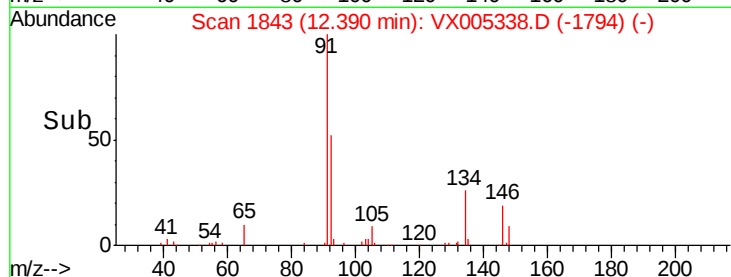
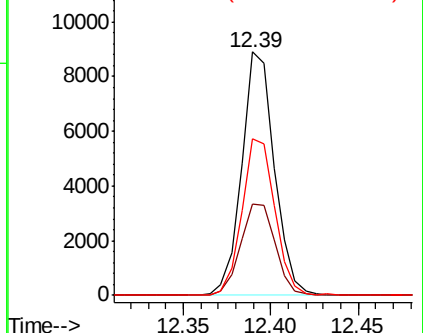
148 64.9 32.8 98.3



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: 1.857 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

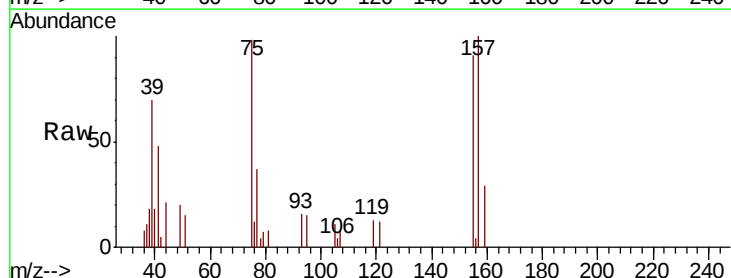
Tgt Ion: 75 Resp: 1820

Ion Ratio Lower Upper

75 100

155 95.4 48.0 144.2

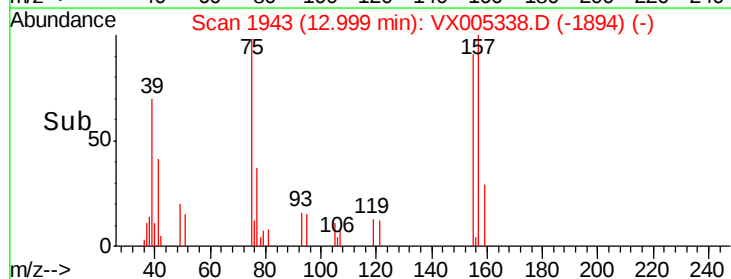
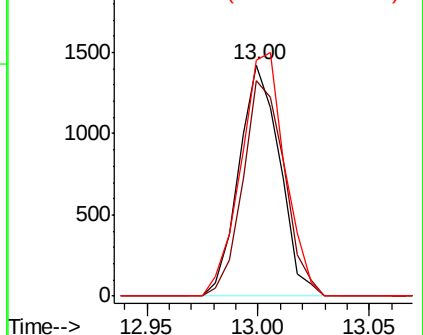
157 113.8 61.4 184.1

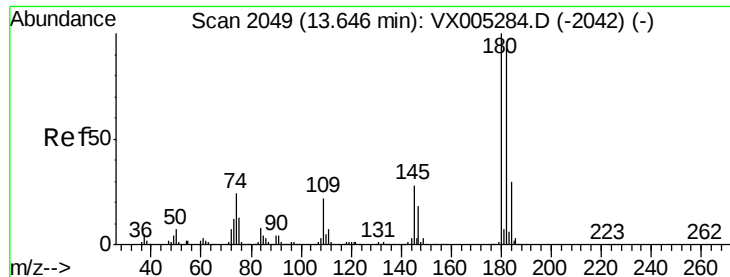


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

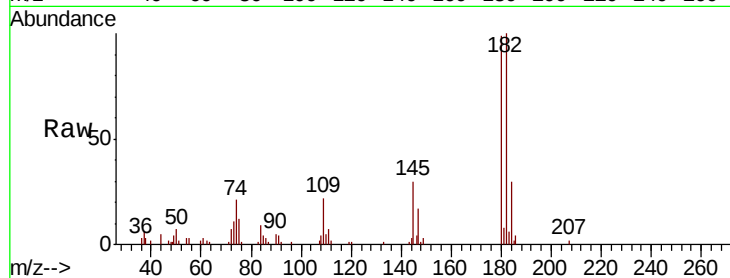




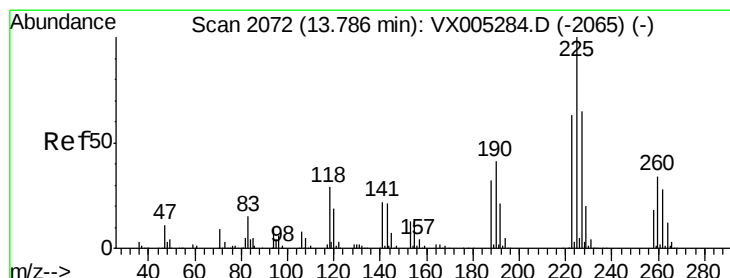
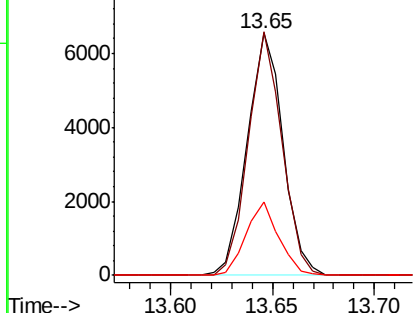
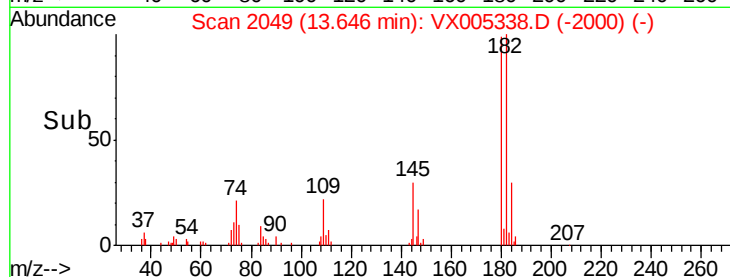
#93
 1,2,4-Trichlorobenzene
 Concen: 1.880 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 8013
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.4 145.0
 145 27.7 14.3 42.9

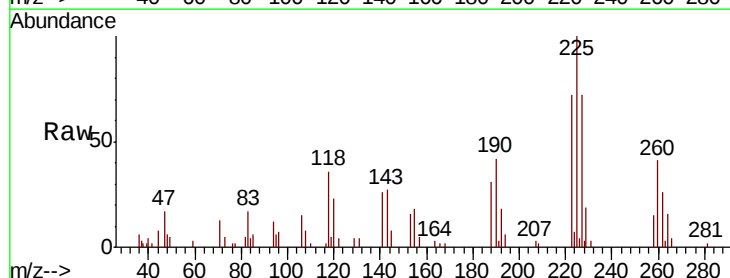


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

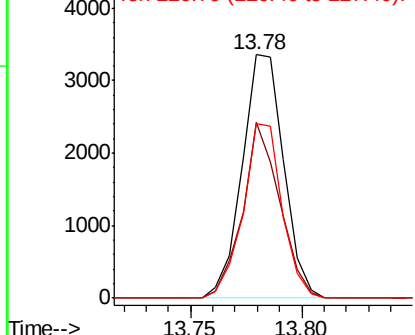
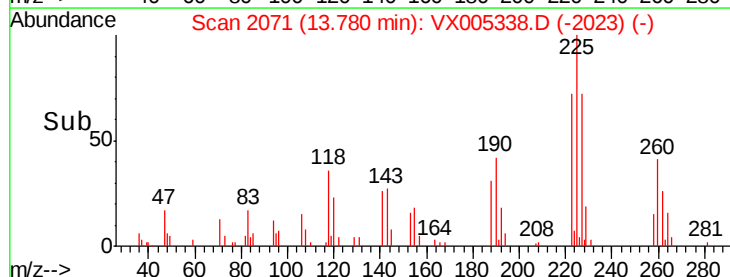


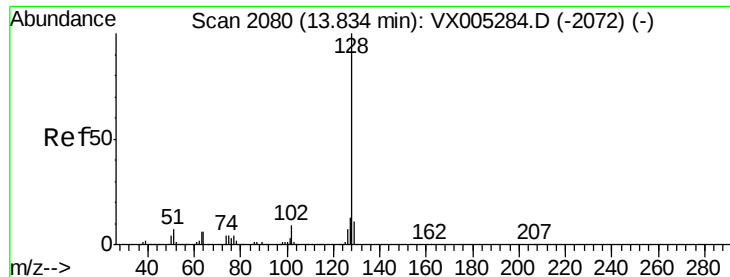
#94
 Hexachlorobutadiene
 Concen: 1.940 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion:225 Resp: 4367
 Ion Ratio Lower Upper
 225 100
 223 64.8 30.1 90.5
 227 67.3 30.8 92.4



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: 1.626 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

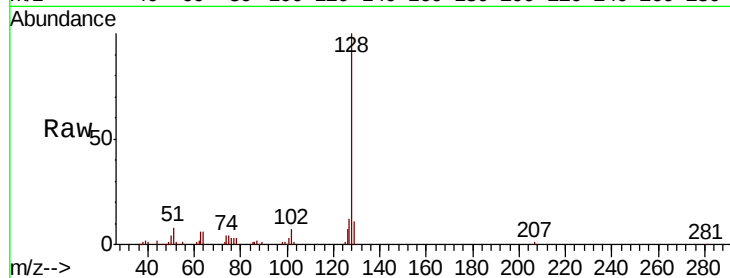
Tot Ion:128 Resp: 20095

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

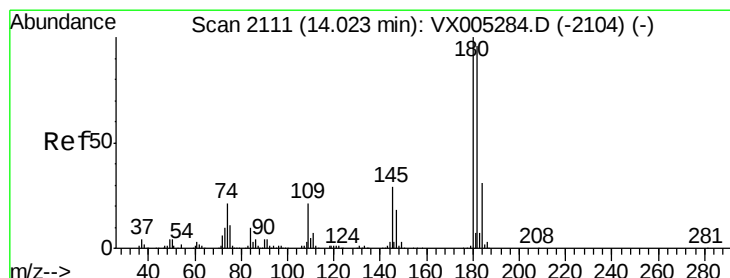
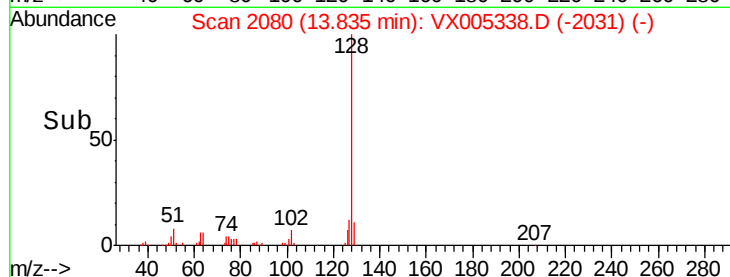
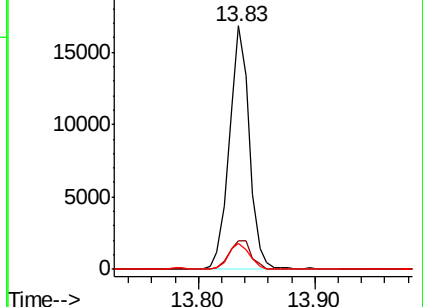
129 11.1 8.6 12.8



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: 1.903 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

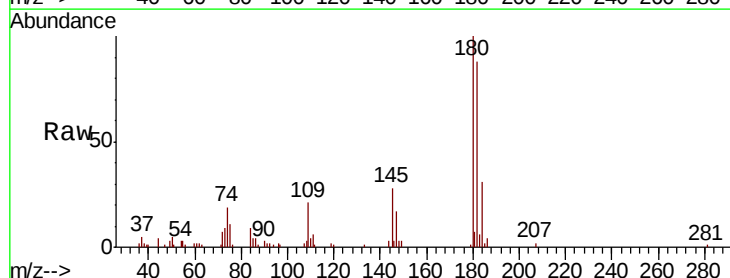
Tgt Ion:180 Resp: 8296

Ion Ratio Lower Upper

180 100

182 90.5 48.5 145.6

145 27.4 14.9 44.9



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

