

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005309.D
 Acq On : 12 Oct 2018 23:11
 Operator : JC/MD
 Sample : VX1012MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Quant Time: Oct 13 02:39:35 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	5.66	168	290885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360677	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189038	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	157482	48.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.50	113	127127	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	8.71	98	431397	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.14	95	157093	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	46173	20.302	ug/l	92
3) Chloromethane	1.32	50	61577	18.685	ug/l	96
4) Vinyl Chloride	1.40	62	63775	19.103	ug/l	98
5) Bromomethane	1.64	94	35742	19.319	ug/l	93
6) Chloroethane	1.72	64	39079	18.847	ug/l #	87
7) Trichlorofluoromethane	1.93	101	86023	19.309	ug/l #	82
8) Diethyl Ether	2.19	74	35008	18.402	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49155	19.116	ug/l	94
10) Methyl Iodide	2.51	142	54097	20.721	ug/l	96
11) Tert butyl alcohol	3.07	59	86883	95.405	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50087	19.660	ug/l	82
13) Acrolein	2.29	56	53094	89.980	ug/l	90
14) Allyl chloride	2.73	41	104151	18.620	ug/l	96
15) Acrylonitrile	3.15	53	195482	94.726	ug/l	97
16) Acetone	2.45	43	177864	95.287	ug/l	97
17) Carbon Disulfide	2.57	76	138242	17.912	ug/l #	92
18) Methyl Acetate	2.78	43	105881	19.938	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	175910	19.605	ug/l	99
20) Methylene Chloride	2.85	84	57934	20.529	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	51564	18.263	ug/l	95
22) Diisopropyl ether	3.87	45	195102	20.767	ug/l #	95
23) Vinyl Acetate	3.82	43	765498	93.223	ug/l	97
24) 1,1-Dichloroethane	3.70	63	103939	19.304	ug/l	97
25) 2-Butanone	4.70	43	262400	96.080	ug/l	97
26) 2,2-Dichloropropane	4.57	77	60233	14.958	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61948	20.189	ug/l	97
28) Bromochloromethane	5.02	49	45278	18.446	ug/l	96
29) Tetrahydrofuran	5.16	42	166168	95.385	ug/l	95
30) Chloroform	5.21	83	100568	20.123	ug/l	88
31) Cyclohexane	5.58	56	83673	18.855	ug/l #	90
32) 1,1,1-Trichloroethane	5.49	97	83965	19.309	ug/l	99
36) 1,1-Dichloropropene	5.80	75	72743	20.825	ug/l	97
37) Ethyl Acetate	4.86	43	95581	21.277	ug/l	98
38) Carbon Tetrachloride	5.78	117	70711	20.146	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005309.D
 Acq On : 12 Oct 2018 23:11
 Operator : JC/MD
 Sample : VX1012MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Quant Time: Oct 13 02:39:35 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)
39) Methylcyclohexane	7.46	83	68211	18.042	ug/l	95
40) Benzene	6.15	78	219070	20.906	ug/l	95
41) Methacrylonitrile	5.06	41	54145	22.482	ug/l	94
42) 1,2-Dichloroethane	6.20	62	77085	20.834	ug/l	98
43) Isopropyl Acetate	6.47	43	125304	20.939	ug/l	98
44) Trichloroethene	7.21	130	52105	19.090	ug/l	95
45) 1,2-Dichloropropane	7.51	63	50347	19.587	ug/l	96
46) Dibromomethane	7.66	93	32931	19.411	ug/l	98
47) Bromodichloromethane	7.90	83	62546	19.932	ug/l	98
48) Methyl methacrylate	7.77	41	60148	19.380	ug/l	96
49) 1,4-Dioxane	7.76	88	29364	410.196	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	425256	102.632	ug/l	94
52) Toluene	8.79	92	119178	20.789	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	65099	19.169	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	71371	19.396	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	49306	20.306	ug/l	97
56) Ethyl methacrylate	9.18	69	70973	20.050	ug/l	94
57) 1,3-Dichloropropane	9.37	76	82630	20.388	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	211161	106.369	ug/l	96
59) 2-Hexanone	9.49	43	337343	101.212	ug/l	93
60) Dibromochloromethane	9.59	129	50084	19.954	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51311	20.136	ug/l	100
64) Tetrachloroethene	9.34	164	54484	20.011	ug/l	98
65) Chlorobenzene	10.14	112	136537	18.980	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	48769	19.024	ug/l	99
67) Ethyl Benzene	10.25	91	221362	18.928	ug/l	97
68) m/p-Xylenes	10.36	106	174859	38.522	ug/l	94
69) o-Xylene	10.70	106	83249	19.016	ug/l	97
70) Styrene	10.71	104	141052	19.589	ug/l	97
71) Bromoform	10.86	173	41226	17.995	ug/l #	98
73) Isopropylbenzene	11.02	105	228789	20.359	ug/l	99
74) N-amyl acetate	10.90	43	103090	19.020	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	79614	18.780	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	90575	24.701	ug/l	87
77) Bromobenzene	11.26	156	63151	19.654	ug/l	100
78) n-propylbenzene	11.36	91	261817	20.246	ug/l	99
79) 2-Chlorotoluene	11.42	91	157870	19.934	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	196259	20.394	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	20191	16.731	ug/l	97
82) 4-Chlorotoluene	11.51	91	186395	19.854	ug/l	99
83) tert-Butylbenzene	11.77	119	189446	19.440	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	201794	20.376	ug/l	98
85) sec-Butylbenzene	11.94	105	231096	20.039	ug/l	98
86) p-Isopropyltoluene	12.07	119	209192	20.069	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	116240	19.360	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	116469	18.962	ug/l	98
89) n-Butylbenzene	12.39	91	175317	18.524	ug/l	97
90) Hexachloroethane	12.60	117	32284	17.971	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	116284	18.979	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19177	18.545	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
Data File : VX005309.D
Acq On : 12 Oct 2018 23:11
Operator : JC/MD
Sample : VX1012MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Quant Time: Oct 13 02:39:35 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

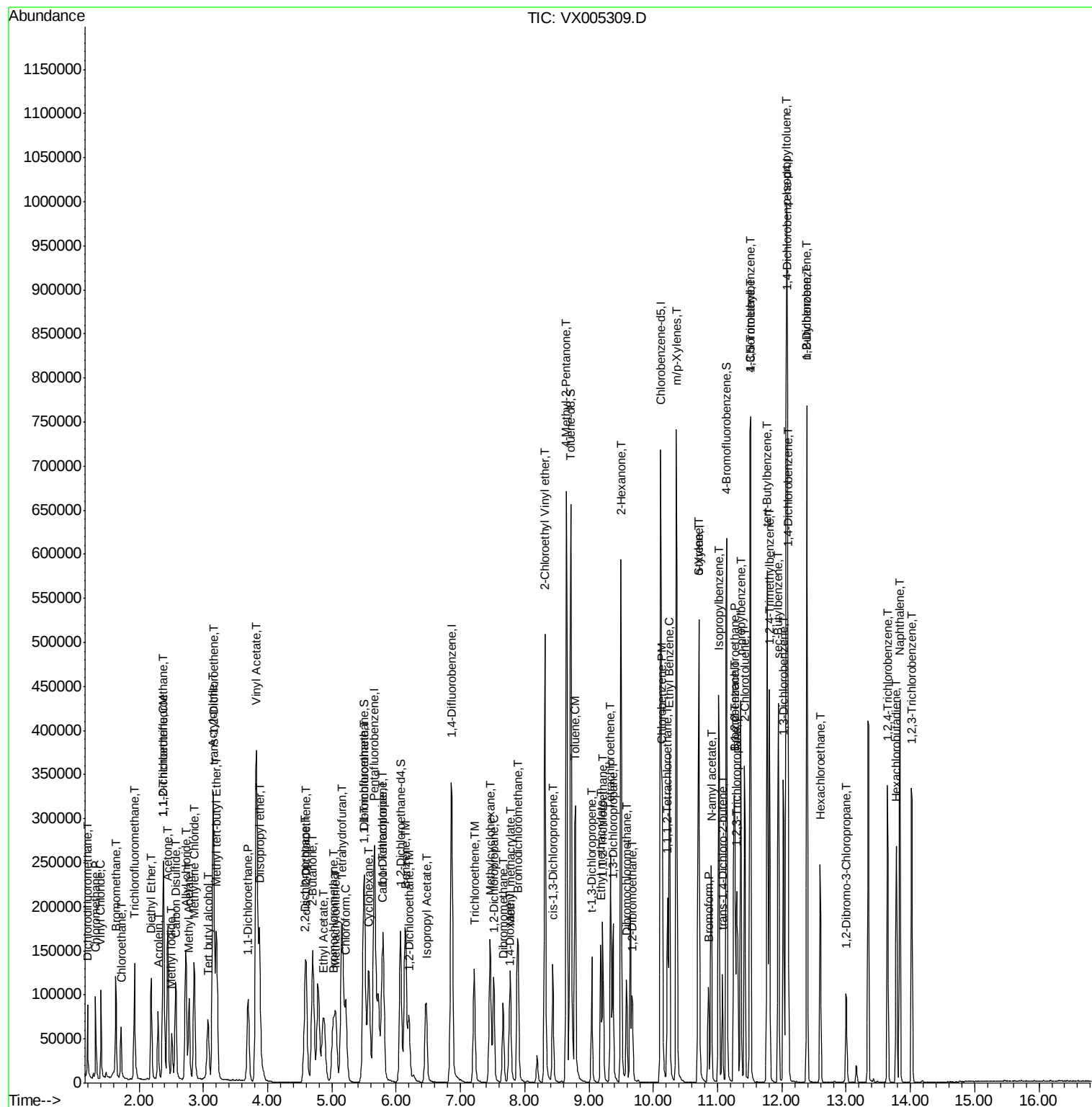
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85362	18.989	ug/l	98
94) Hexachlorobutadiene	13.78	225	43960	18.516	ug/l	98
95) Naphthalene	13.83	128	258620	19.838	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	89616	19.484	ug/l	99

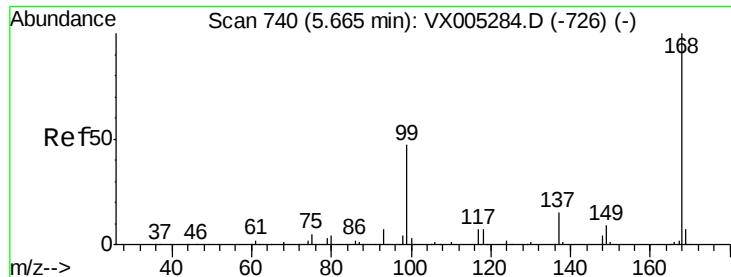
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101218\
Data File : VX005309.D
Acq On : 12 Oct 2018 23:11
Operator : JC/MD
Sample : VX1012MBS01
Misc : 5.00µL/10mL/100µL/5.0mL/MSVOA_X/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
VX1012MBS01

Quant Time: Oct 13 02:39:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

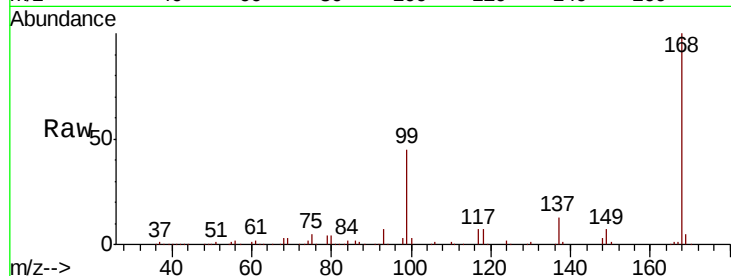
VX1012MBS01

Tot Ion:168 Resp: 290885

Ion Ratio Lower Upper

168 100

99 44.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

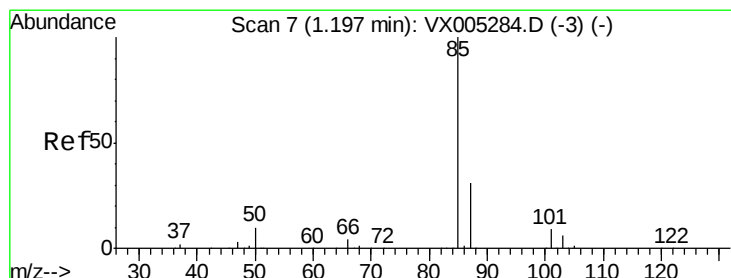
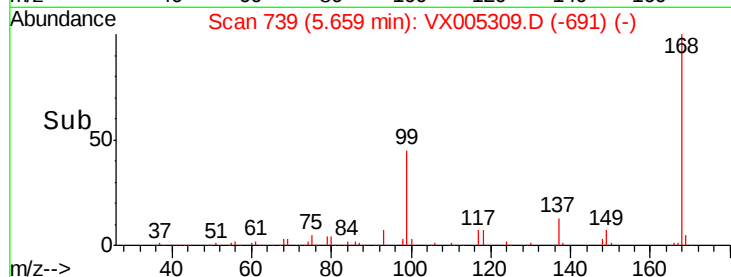
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.302 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005309.D

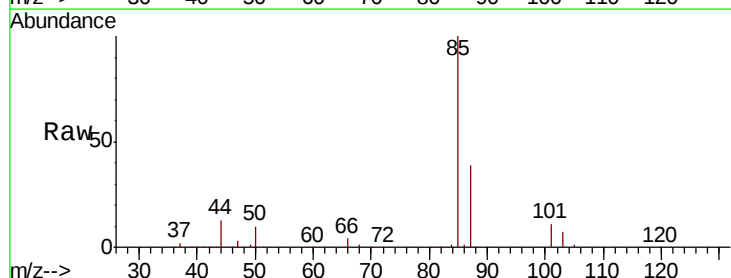
Acq: 12 Oct 2018 23:11

Tgt Ion: 85 Resp: 46173

Ion Ratio Lower Upper

85 100

87 38.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

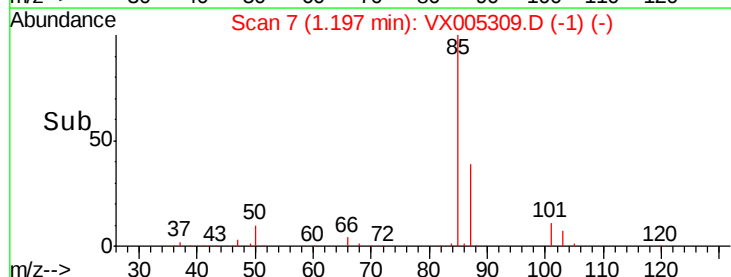
30000

20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.685 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

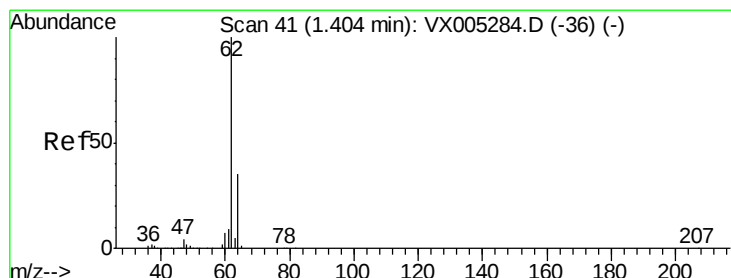
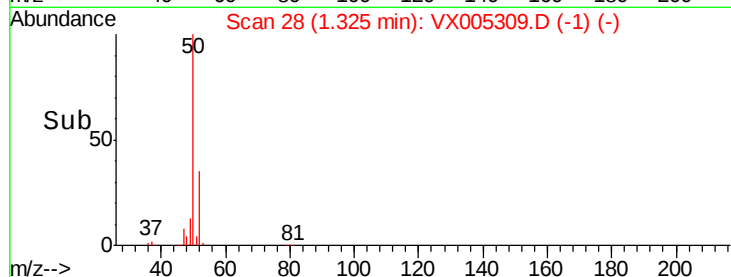
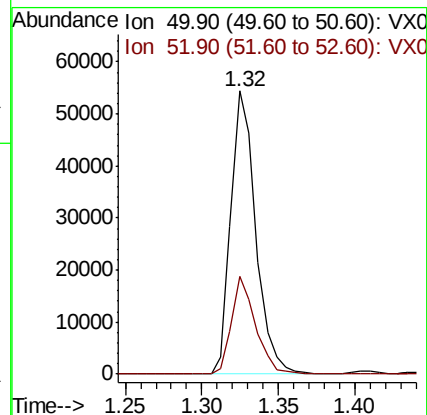
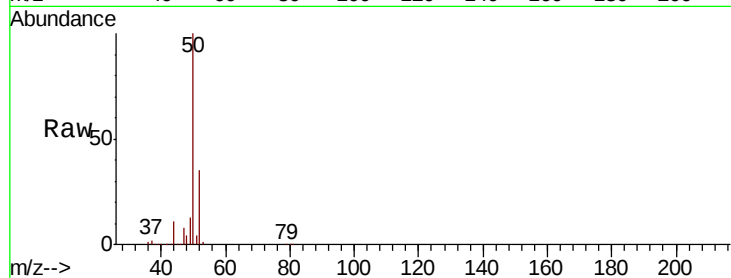
VX1012MBS01

Tot Ion: 50 Resp: 61577

Ion Ratio Lower Upper

50 100

52 34.7 26.2 39.2



#4

Vinyl Chloride

Concen: 19.103 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005309.D

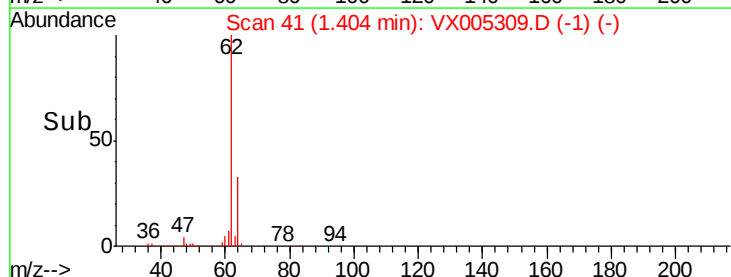
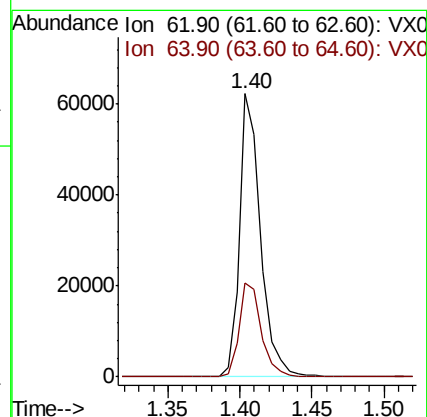
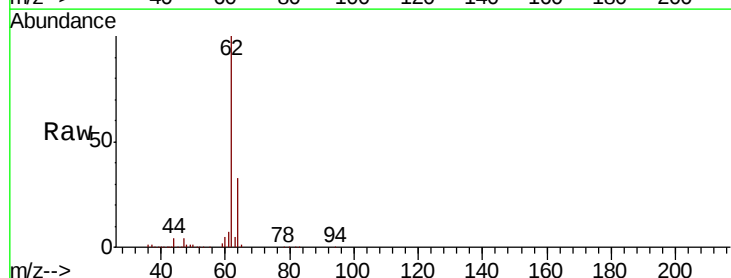
Acq: 12 Oct 2018 23:11

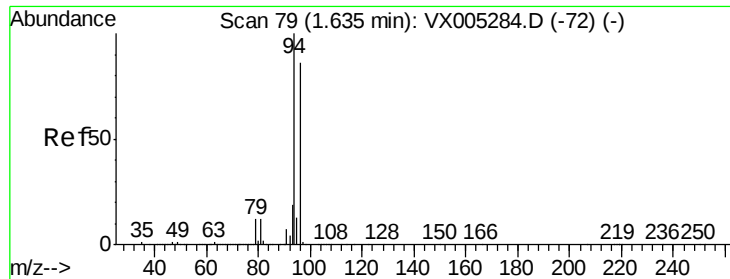
Tgt Ion: 62 Resp: 63775

Ion Ratio Lower Upper

62 100

64 33.1 25.8 38.8





#5

Bromomethane

Concen: 19.319 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

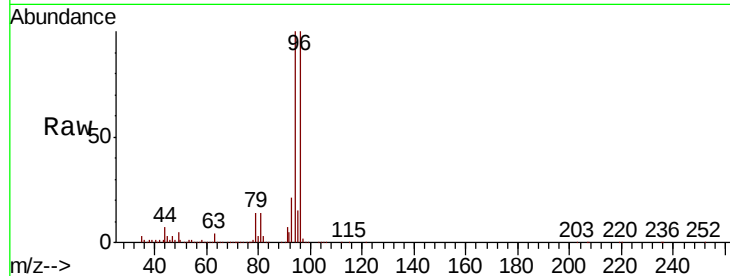
VX1012MBS01

Tot Ion: 94 Resp: 35742

Ion Ratio Lower Upper

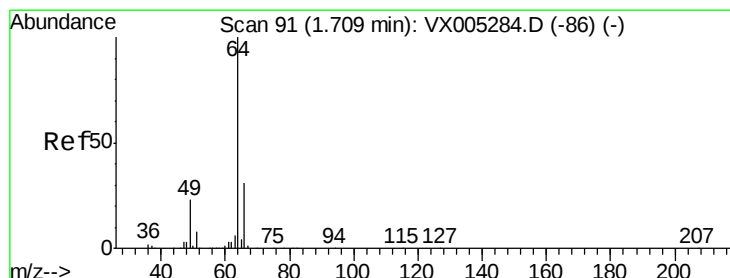
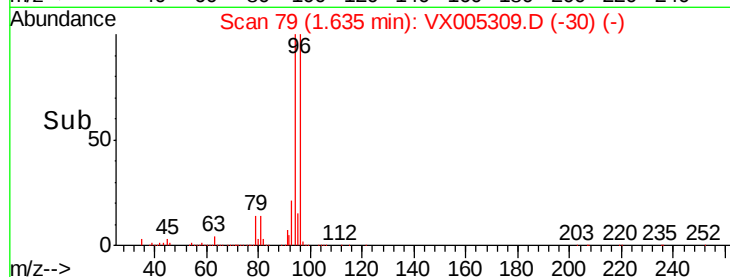
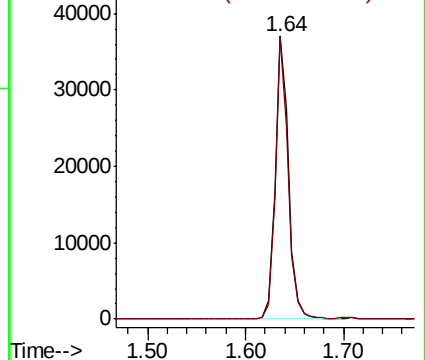
94 100

96 99.7 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: 18.847 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005309.D

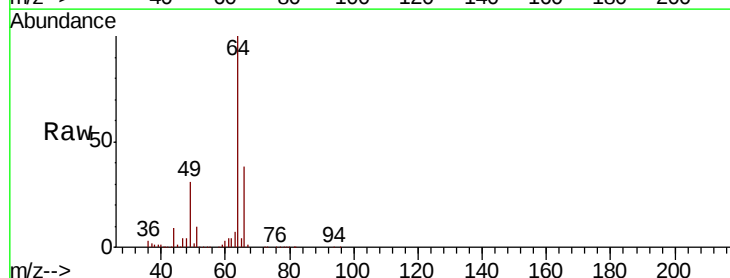
Acq: 12 Oct 2018 23:11

Tgt Ion: 64 Resp: 39079

Ion Ratio Lower Upper

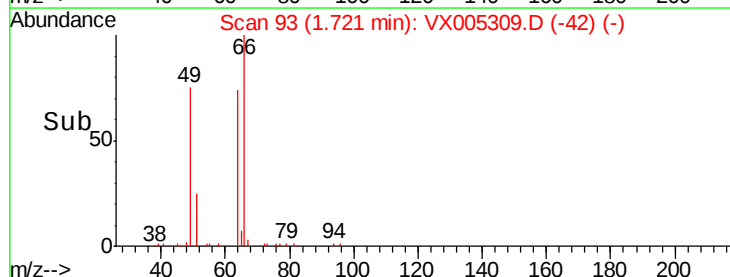
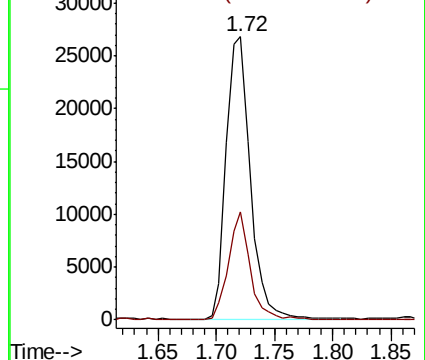
64 100

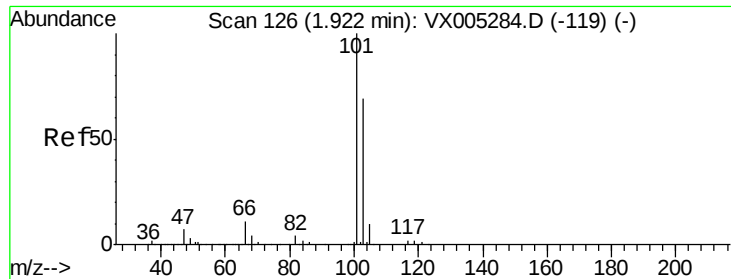
66 38.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



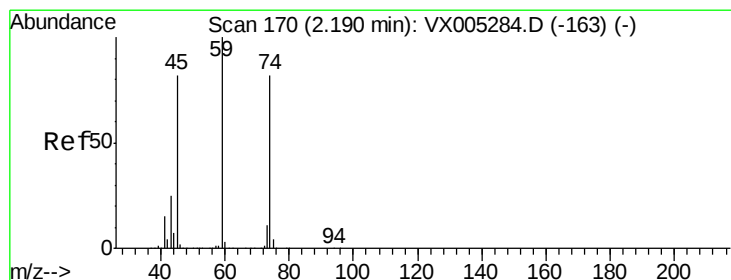
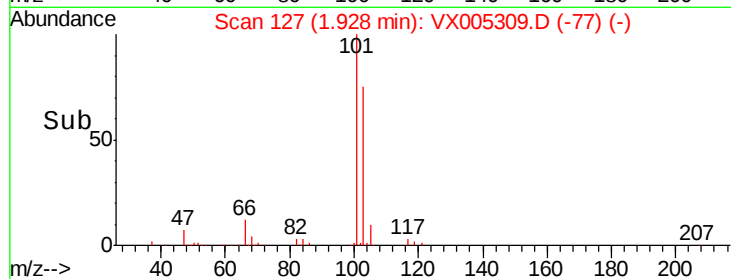
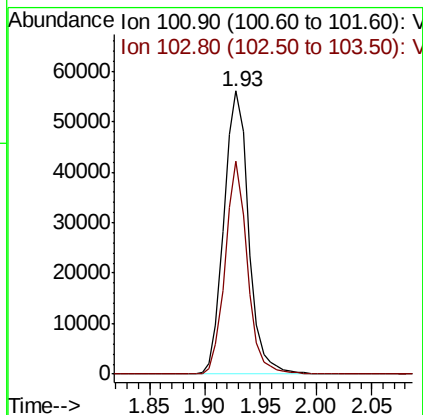
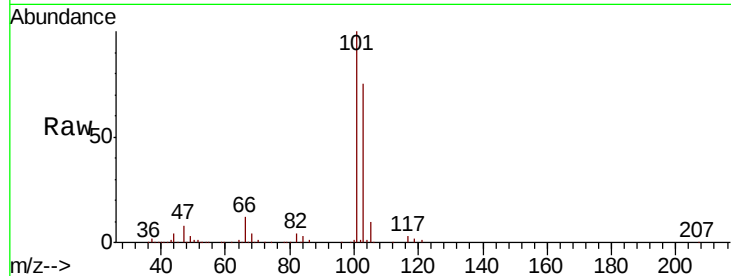


#7

Trichlorofluoromethane
 Concen: 19.309 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

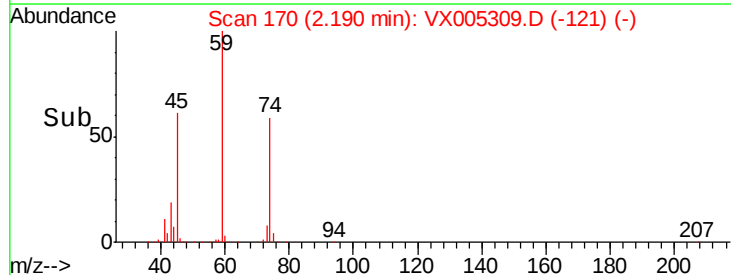
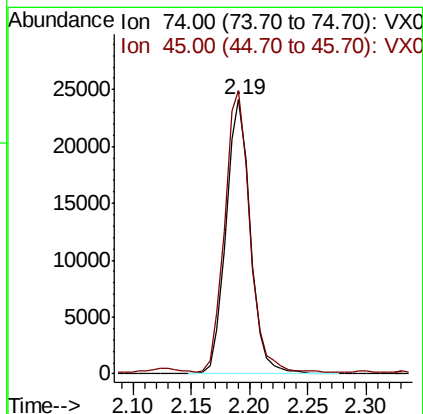
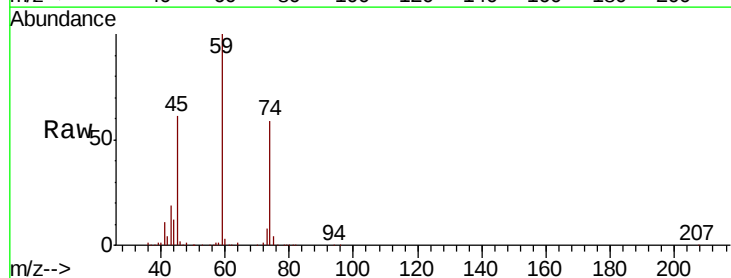
Tot Ion:101 Resp: 86023
 Ion Ratio Lower Upper
 101 100
 103 75.1 48.9 73.3#

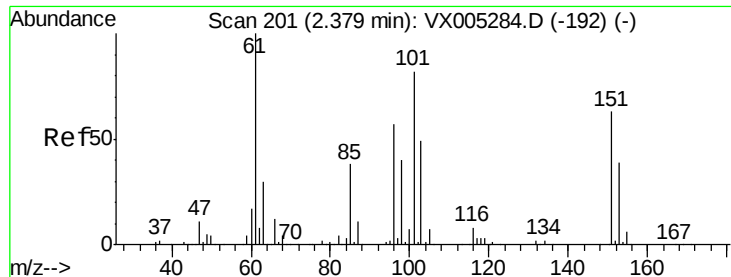


#8

Diethyl Ether
 Concen: 18.402 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion: 74 Resp: 35008
 Ion Ratio Lower Upper
 74 100
 45 105.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.116 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

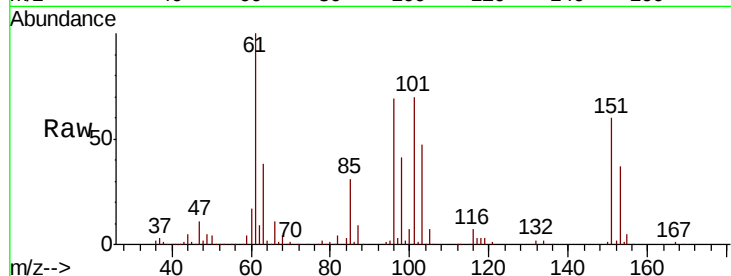
Tot Ion:101 Resp: 49155

Ion Ratio Lower Upper

101 100

85 46.7 34.2 51.4

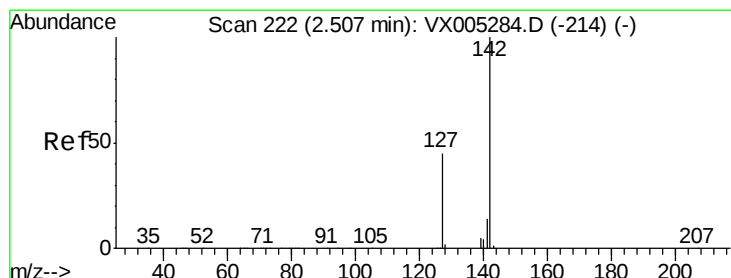
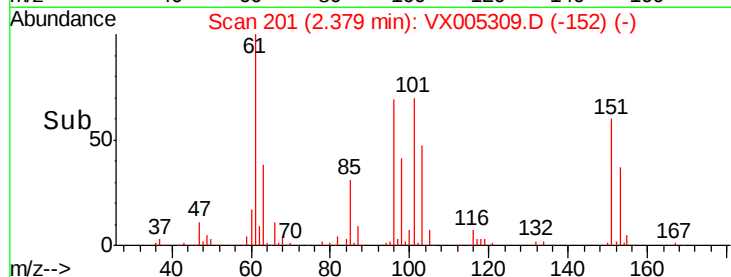
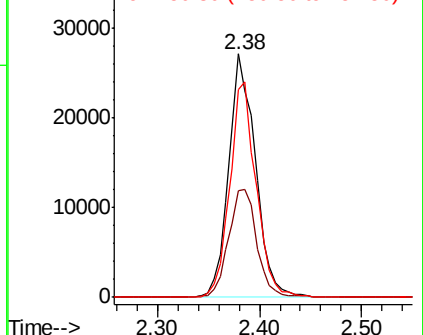
151 87.1 65.0 97.6



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: 20.721 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

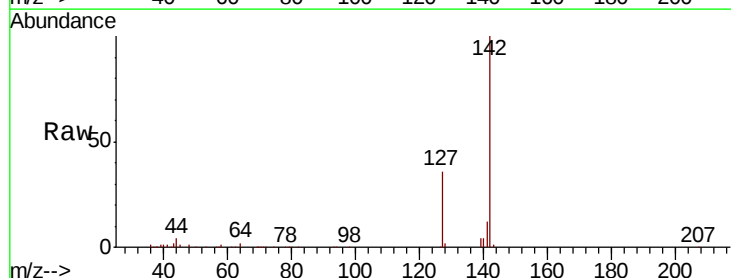
Tgt Ion:142 Resp: 54097

Ion Ratio Lower Upper

142 100

127 39.8 33.8 50.6

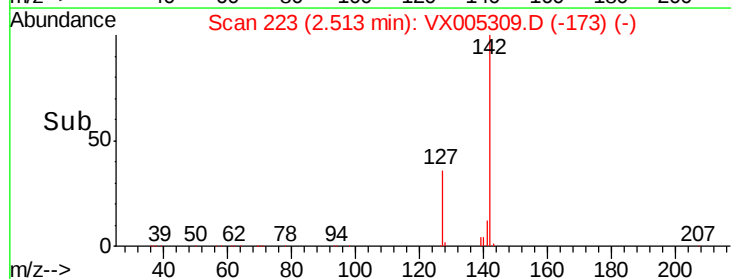
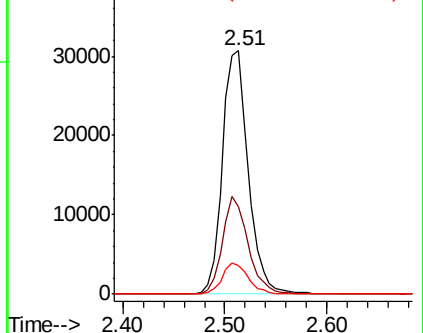
141 13.0 11.4 17.0

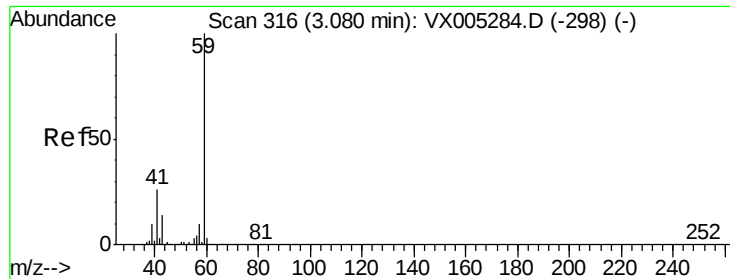


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

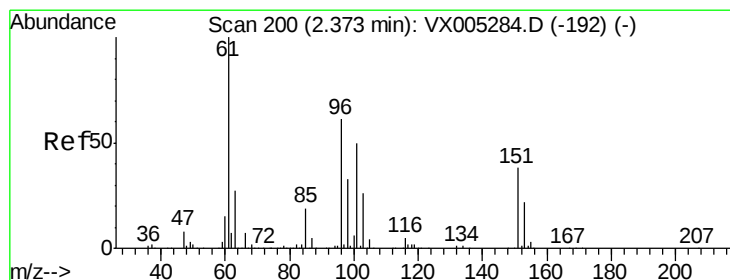
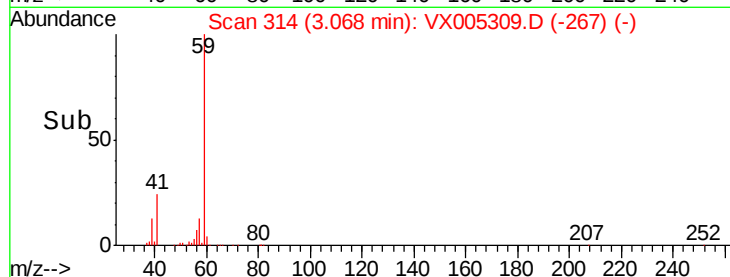
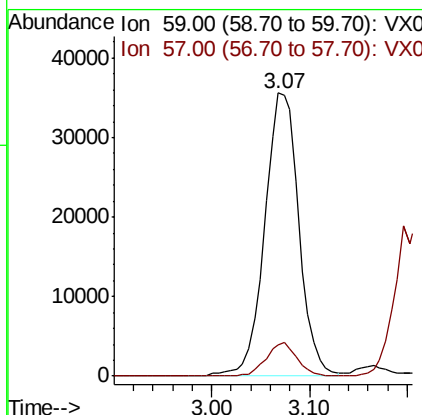
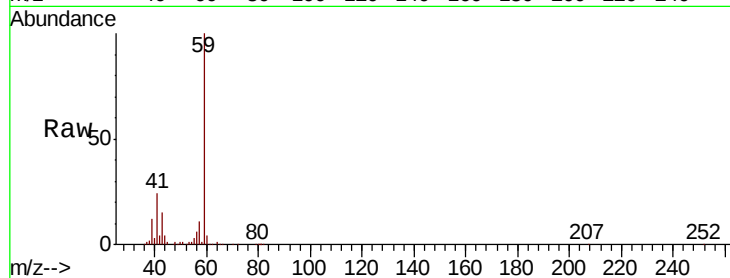




#11
Tert butyl alcohol
Concen: 95.405 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

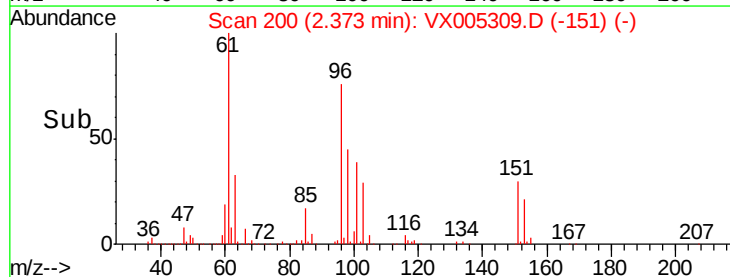
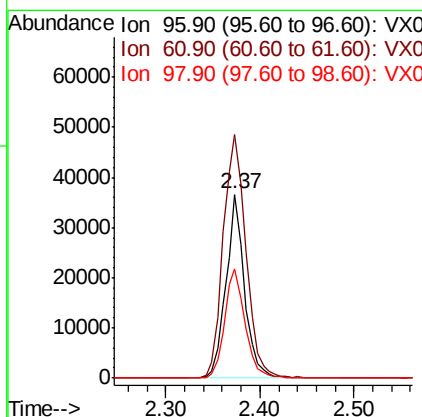
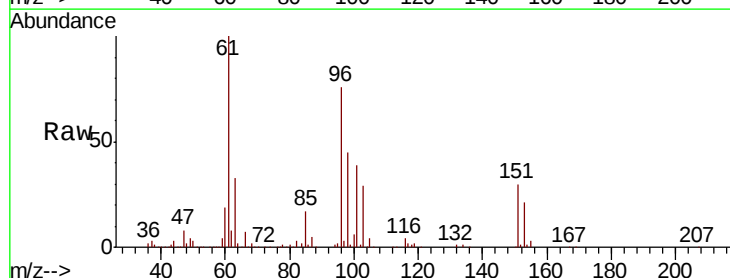
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

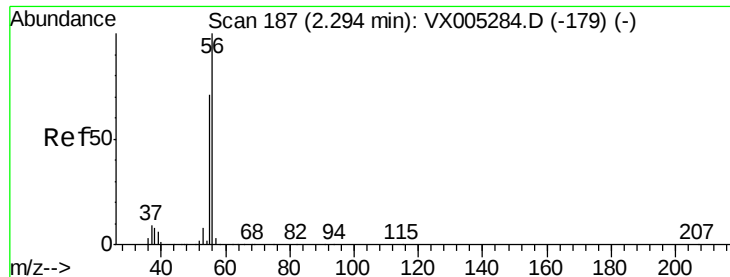
Tot Ion: 59 Resp: 86883
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.660 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 96 Resp: 50087
Ion Ratio Lower Upper
96 100
61 132.4 128.8 193.2
98 59.2 52.2 78.2





#13

Acrolein

Concen: 89.980 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

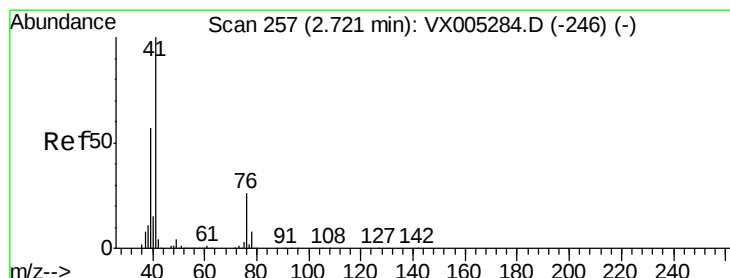
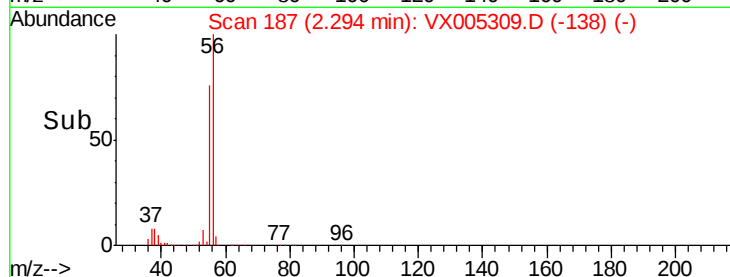
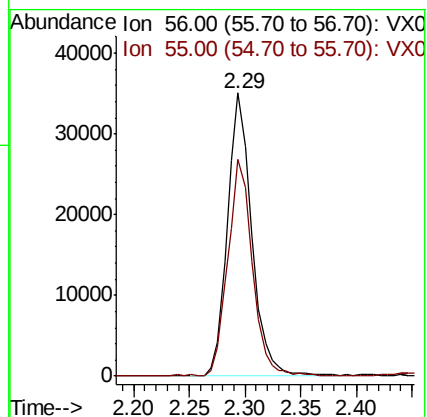
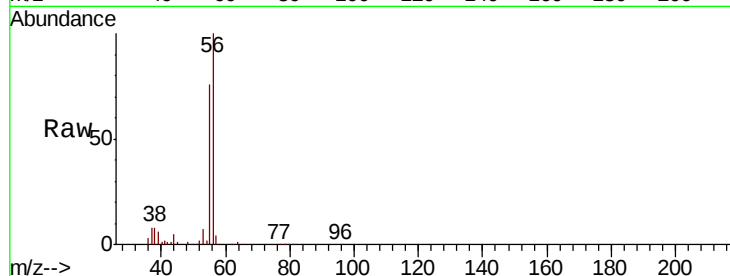
VX1012MBS01

Tot Ion: 56 Resp: 53094

Ion Ratio Lower Upper

56 100

55 76.7 54.7 82.1



#14

Allyl chloride

Concen: 18.620 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

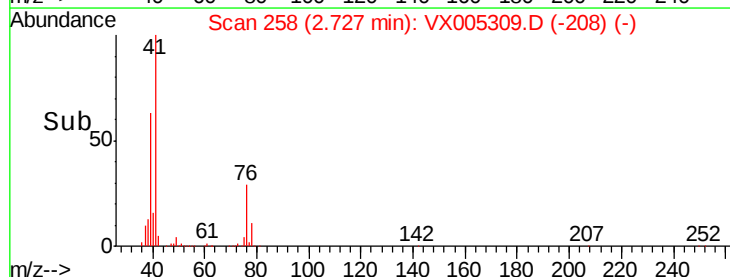
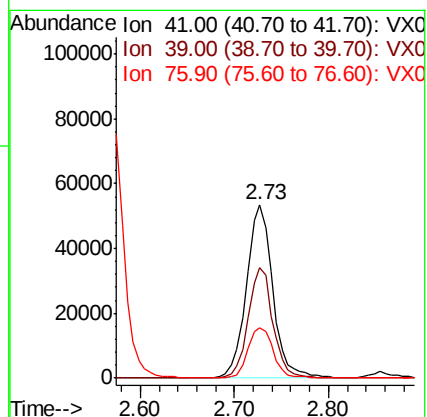
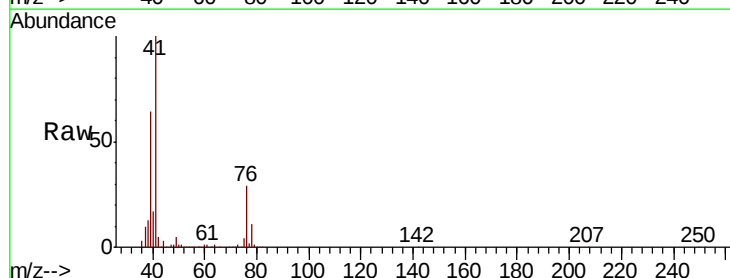
Tgt Ion: 41 Resp: 104151

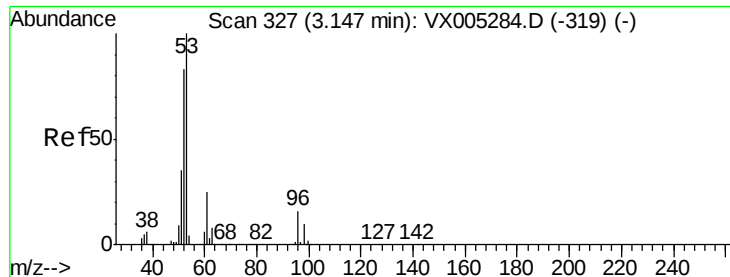
Ion Ratio Lower Upper

41 100

39 59.8 48.9 73.3

76 28.5 26.7 40.1





#15

Acrylonitrile

Concen: 94.726 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

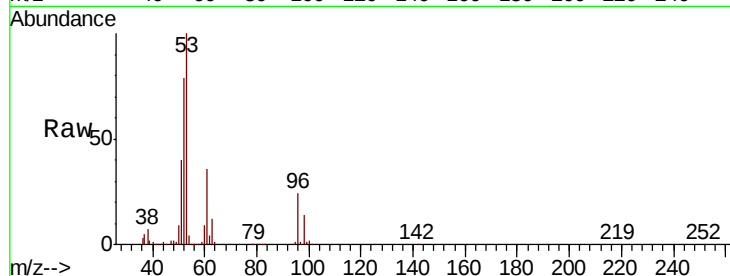
Tot Ion: 53 Resp: 195482

Ion Ratio Lower Upper

53 100

52 84.4 65.2 97.8

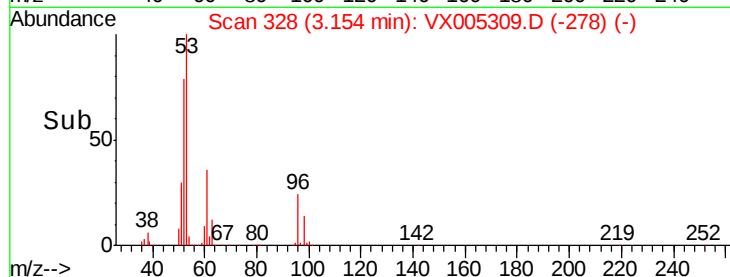
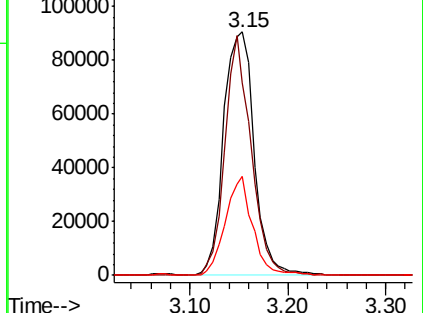
51 36.1 28.2 42.2



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: 95.287 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005309.D

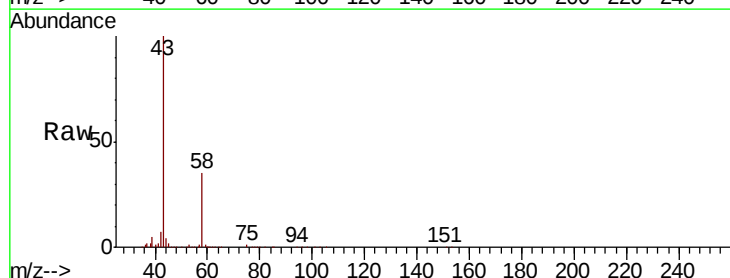
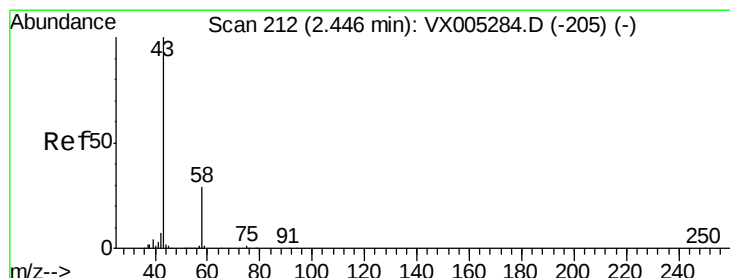
Acq: 12 Oct 2018 23:11

Tgt Ion: 43 Resp: 177864

Ion Ratio Lower Upper

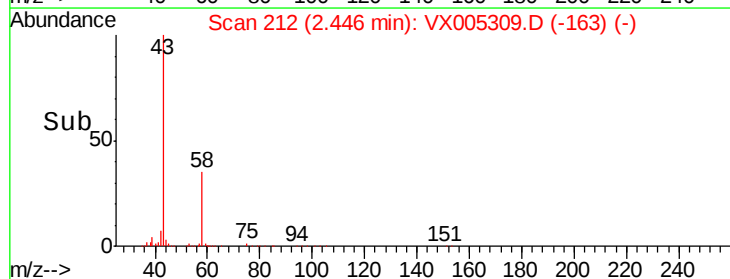
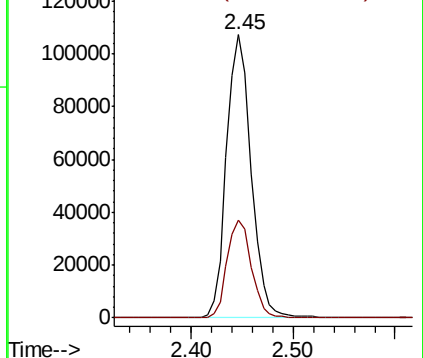
43 100

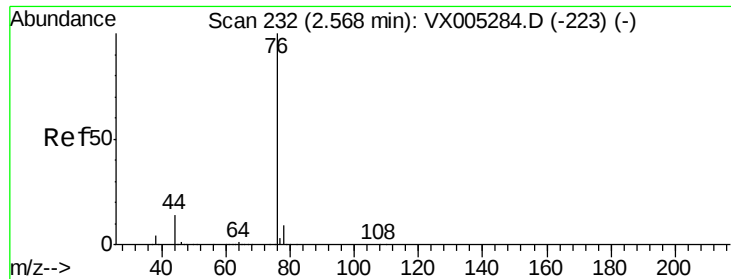
58 34.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

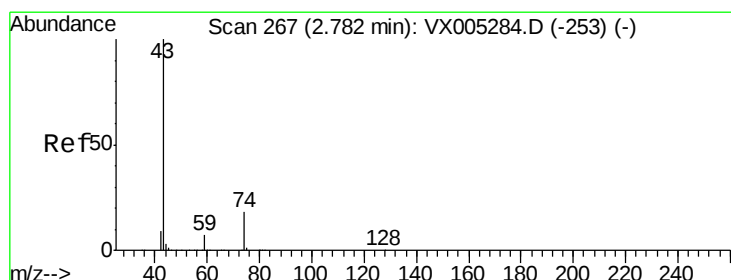
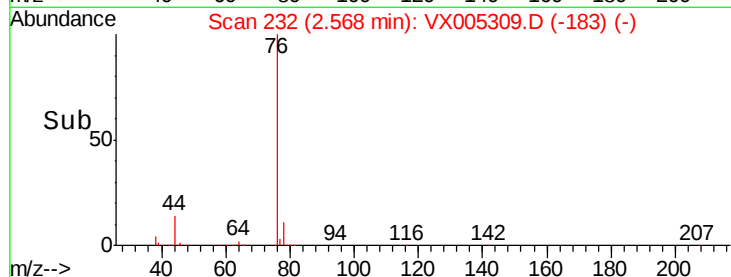
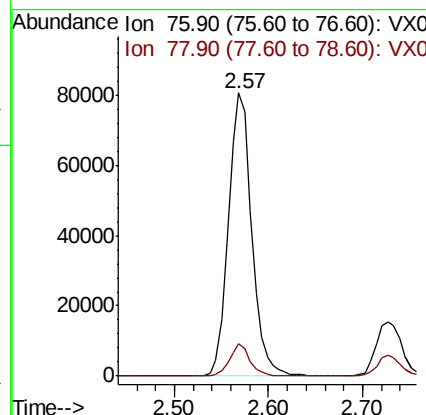
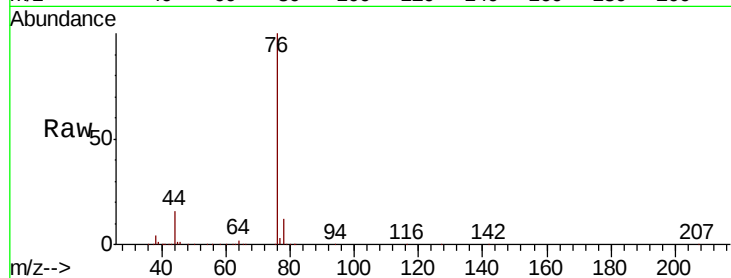




#17
Carbon Disulfide
Concen: 17.912 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

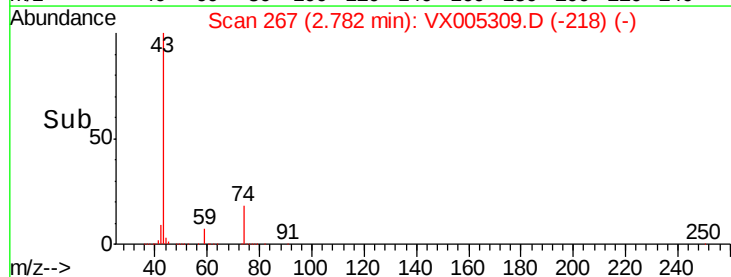
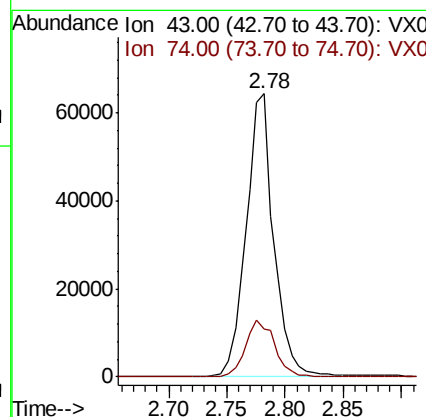
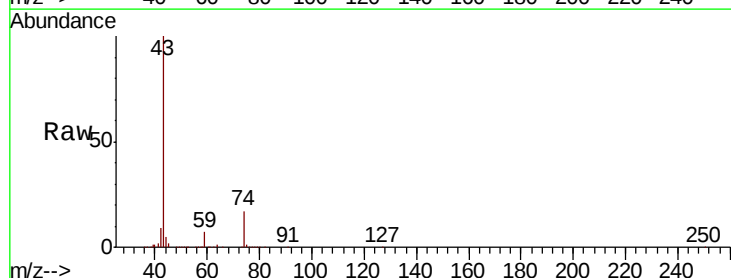
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

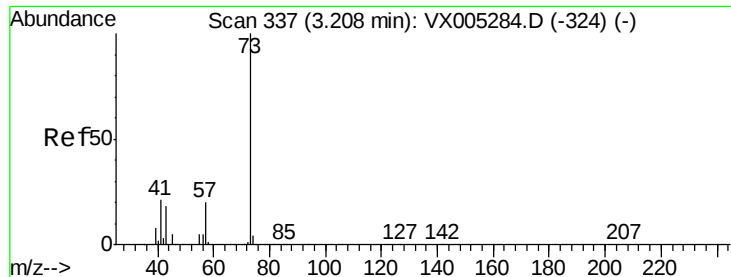
Tot Ion: 76 Resp: 138242
Ion Ratio Lower Upper
76 100
78 11.5 7.0 10.6#



#18
Methyl Acetate
Concen: 19.938 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 43 Resp: 105881
Ion Ratio Lower Upper
43 100
74 21.8 19.4 29.2

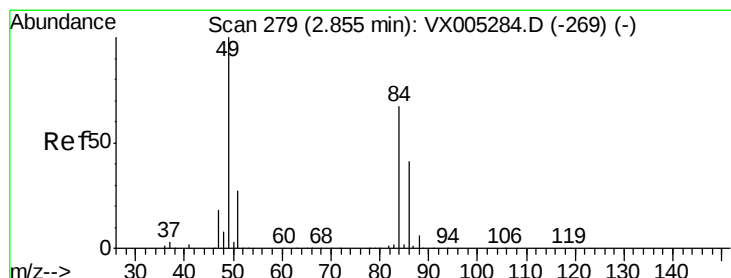
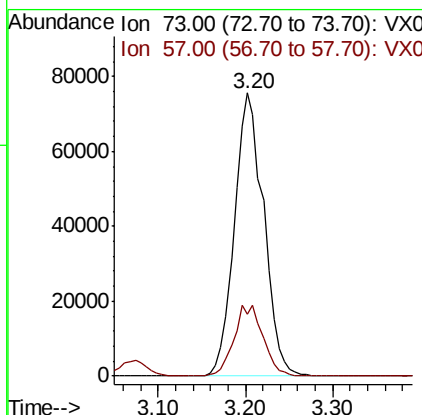
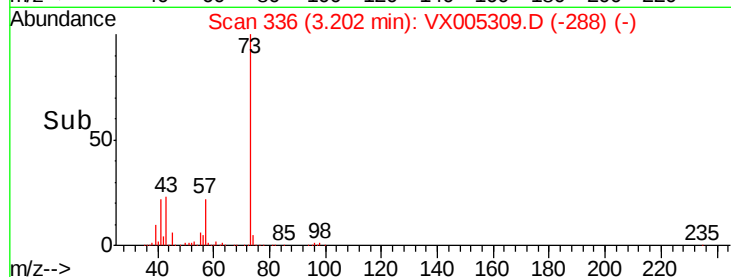
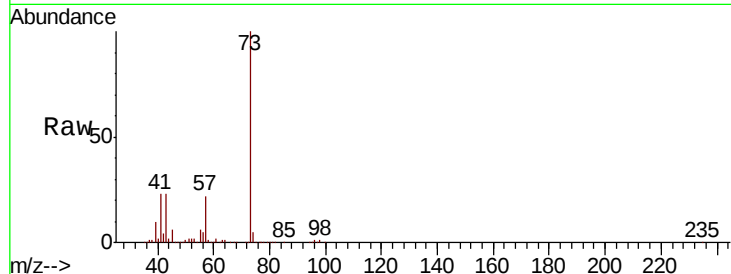




#19
Methyl tert-butyl Ether
Concen: 19.605 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

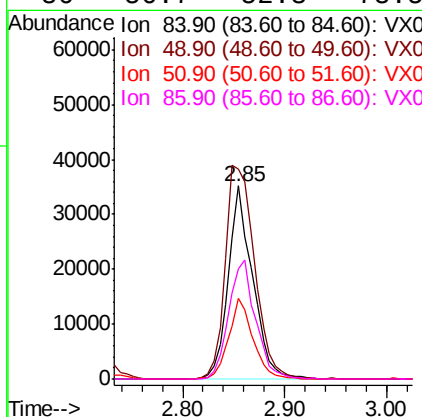
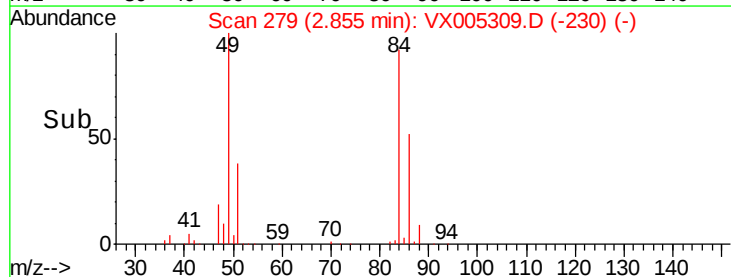
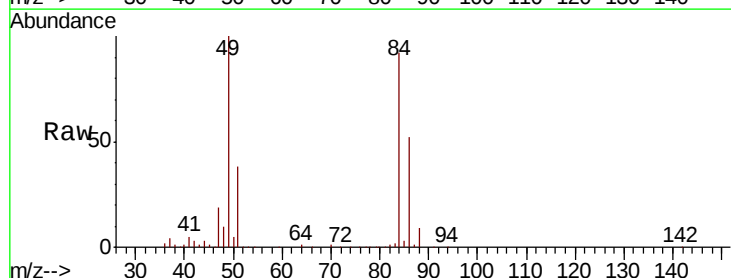
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion: 73 Resp: 175910
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7



#20
Methylene Chloride
Concen: 20.529 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 84 Resp: 57934
Ion Ratio Lower Upper
84 100
49 108.8 101.2 151.8
51 41.3 29.5 44.3
86 56.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.263 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

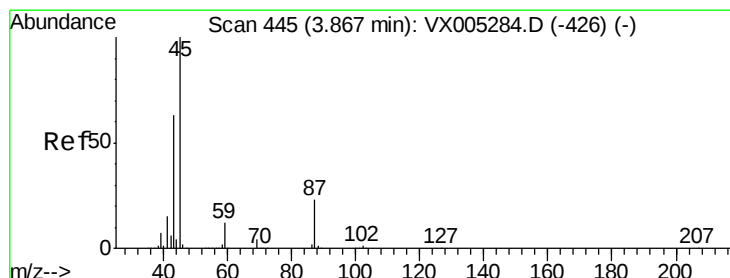
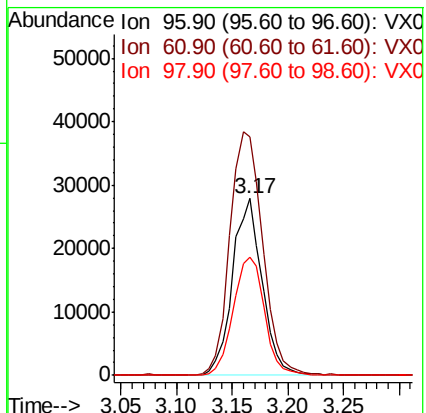
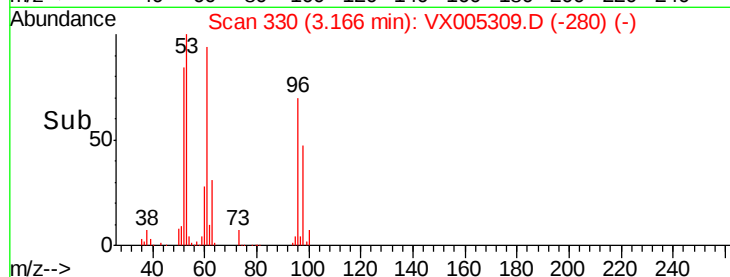
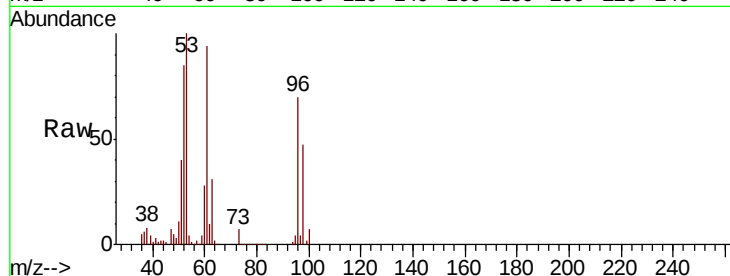
Tot Ion: 96 Resp: 51564

Ion Ratio Lower Upper

96 100

61 135.2 113.8 170.6

98 66.7 51.8 77.8



#22

Diisopropyl ether

Concen: 20.767 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion: 45 Resp: 195102

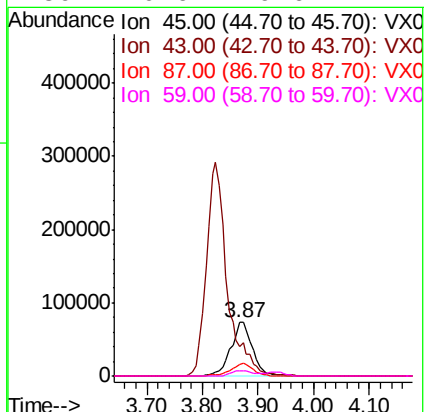
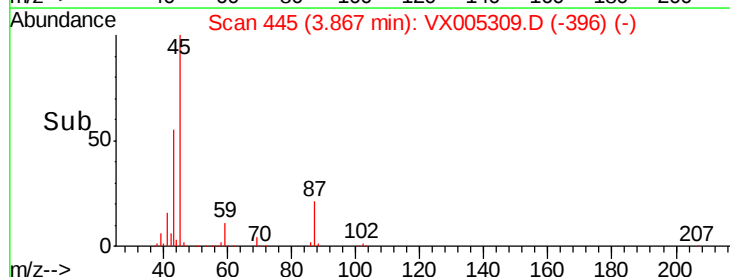
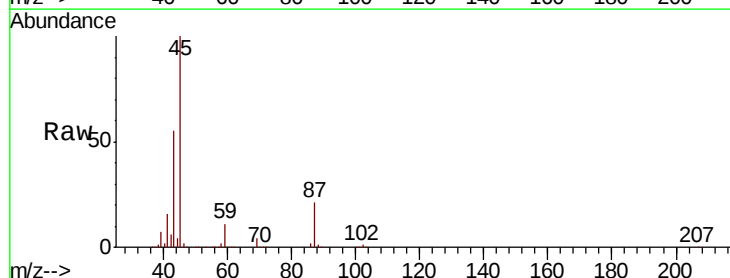
Ion Ratio Lower Upper

45 100

43 54.5 42.8 64.2

87 21.5 22.6 34.0#

59 10.6 9.6 14.4





#23

Vinyl Acetate

Concen: 93.223 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

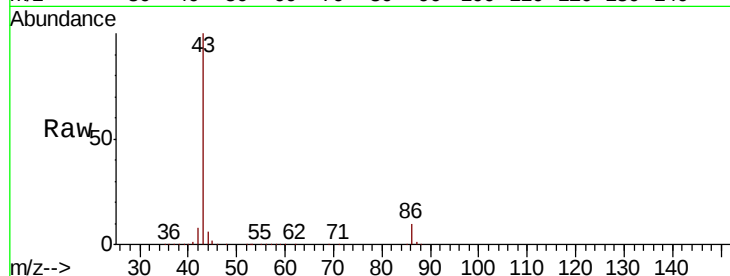
VX1012MBS01

Tot Ion: 43 Resp: 765498

Ion Ratio Lower Upper

43 100

86 9.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX005309.D (-388) (-)

Ion 86.00 (85.70 to 86.70): VX005309.D (-388) (-)

3.82

300000

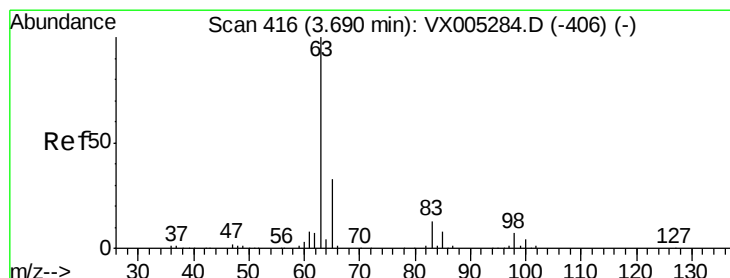
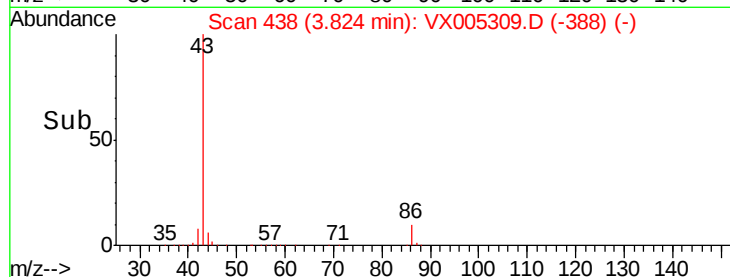
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.304 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

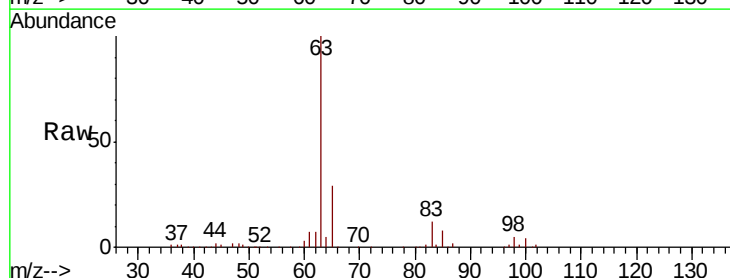
Tgt Ion: 63 Resp: 103939

Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.4

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX005309.D (-367) (-)

Ion 97.90 (97.60 to 98.60): VX005309.D (-367) (-)

Ion 99.90 (99.60 to 100.60): VX005309.D (-367) (-)

3.70

60000

50000

40000

30000

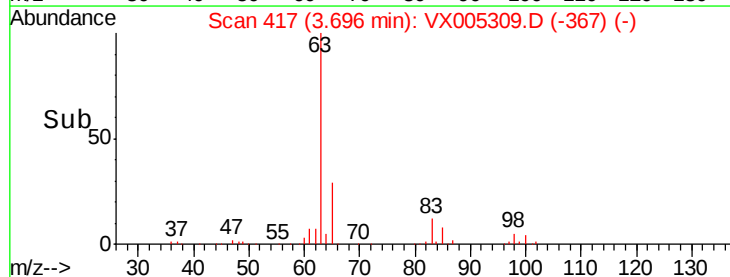
20000

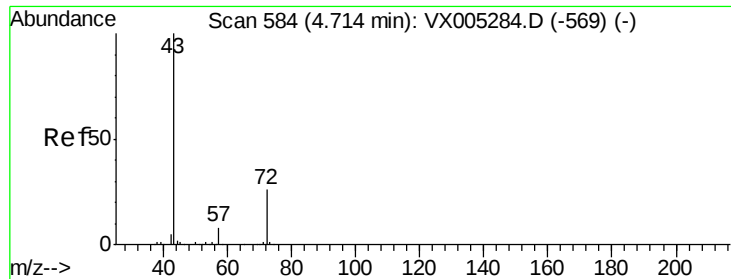
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 96.080 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

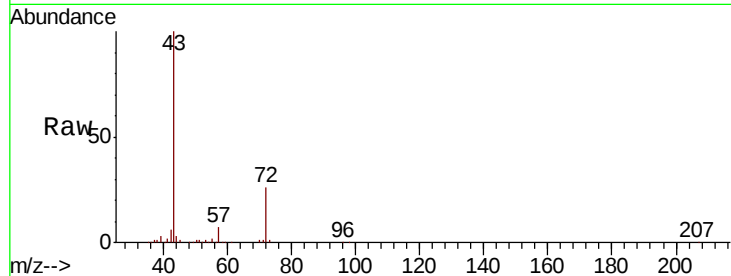
VX1012MBS01

Tot Ion: 43 Resp: 262400

Ion Ratio Lower Upper

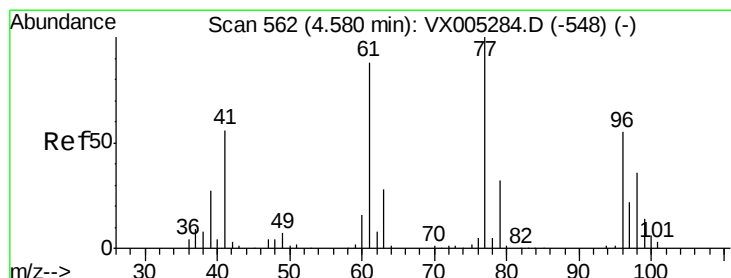
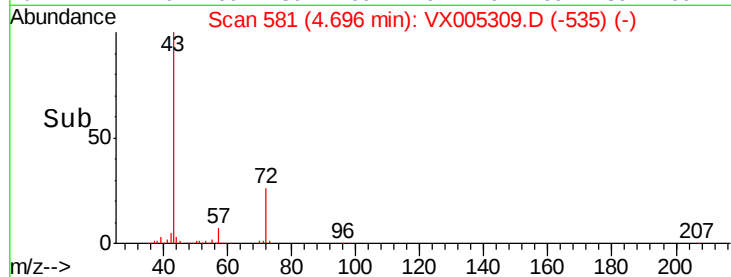
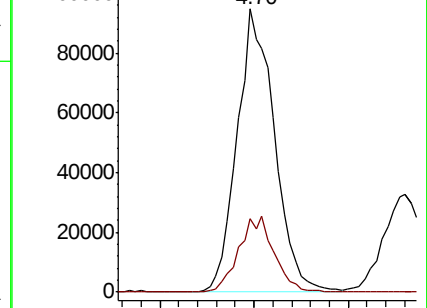
43 100

72 26.1 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.958 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005309.D

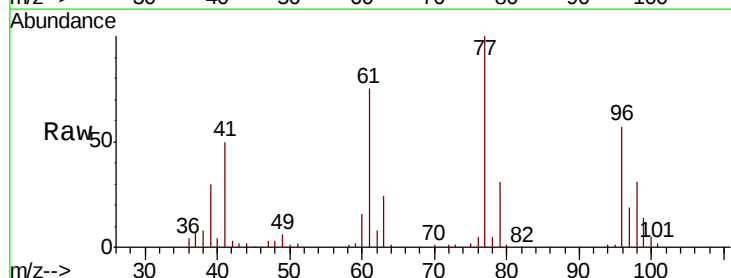
Acq: 12 Oct 2018 23:11

Tgt Ion: 77 Resp: 60233

Ion Ratio Lower Upper

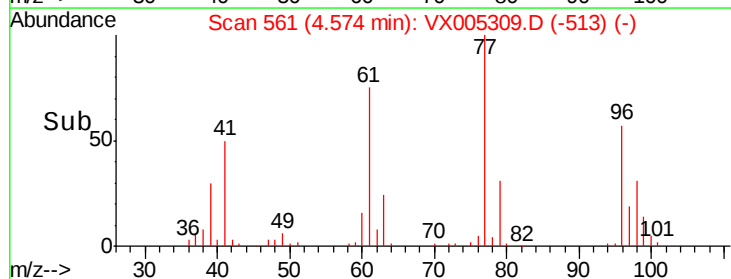
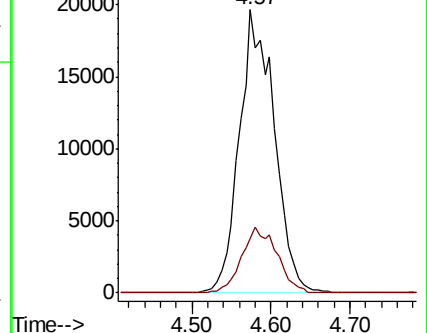
77 100

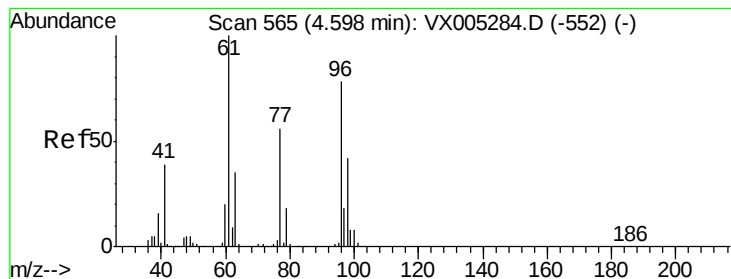
97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



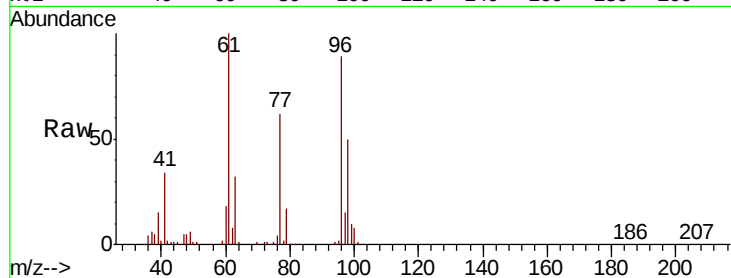


#27

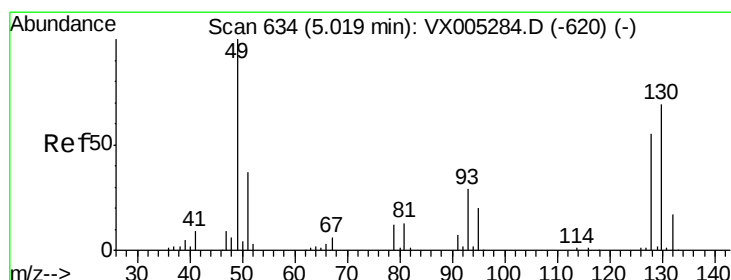
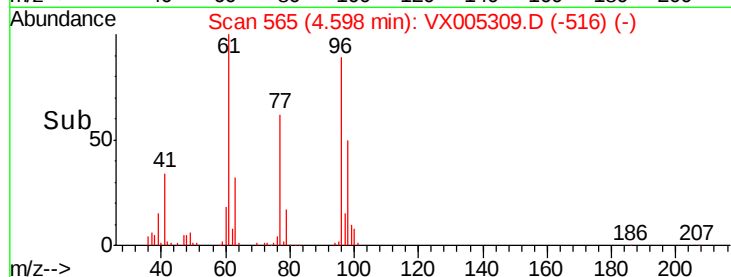
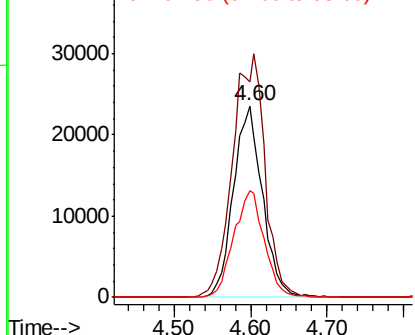
cis-1,2-Dichloroethene
Concen: 20.189 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion: 96 Resp: 61948
Ion Ratio Lower Upper
96 100
61 140.6 0.0 282.6
98 58.8 0.0 130.2



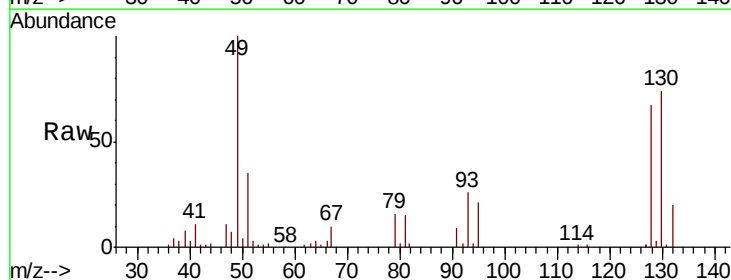
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



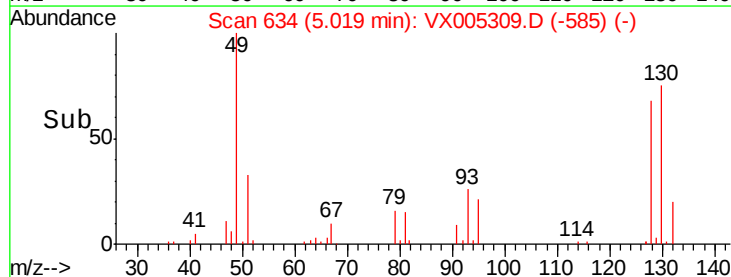
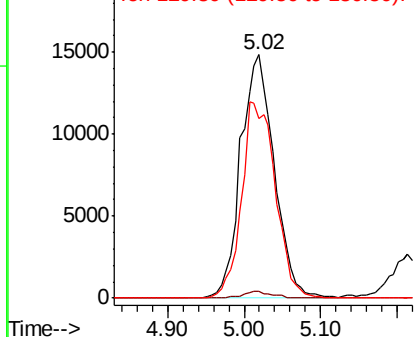
#28

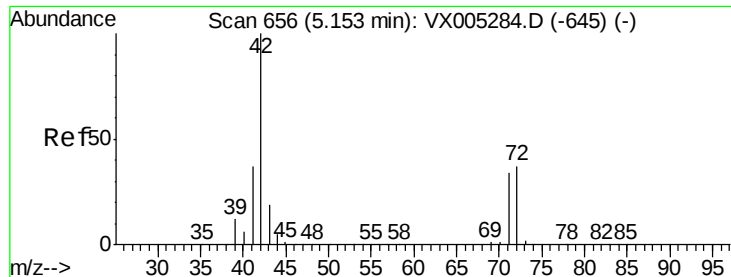
Bromochloromethane
Concen: 18.446 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 49 Resp: 45278
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.2
130 80.9 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

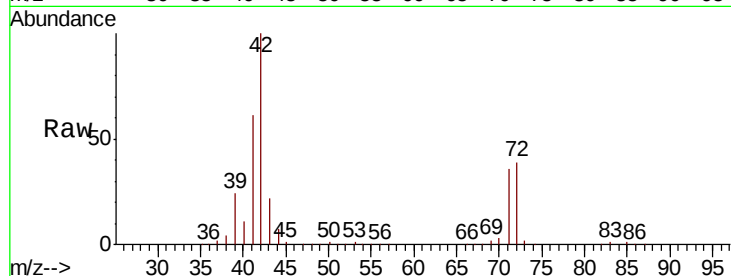




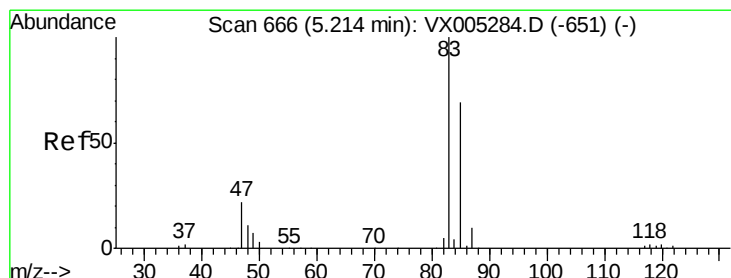
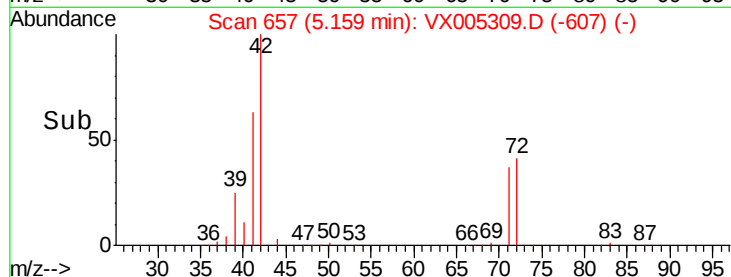
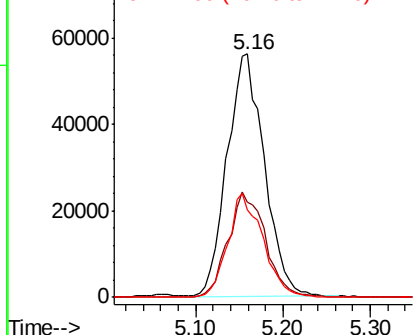
#29
Tetrahydrofuran
Concen: 95.385 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion: 42 Resp: 166168
Ion Ratio Lower Upper
42 100
72 43.4 37.4 56.0
71 40.5 34.5 51.7

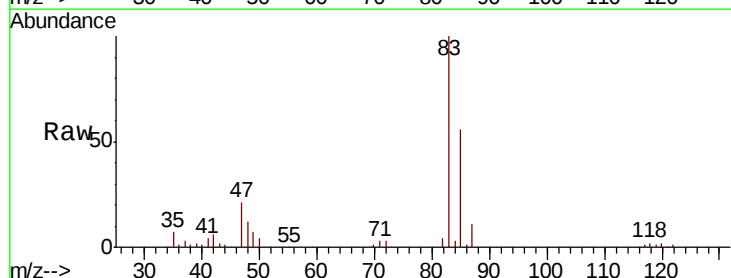


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

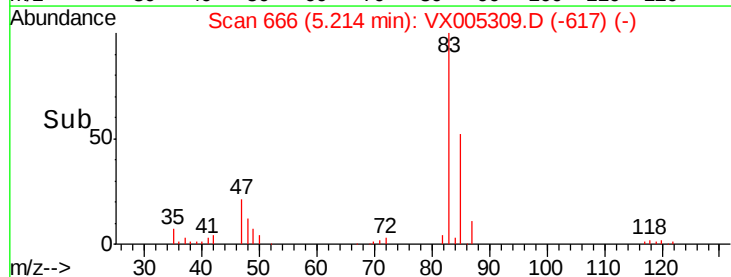
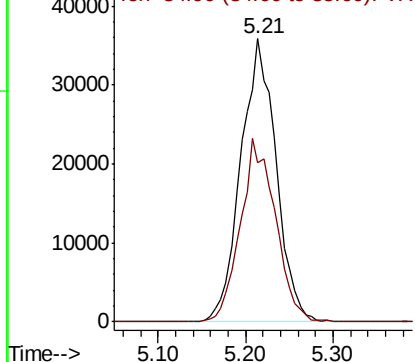


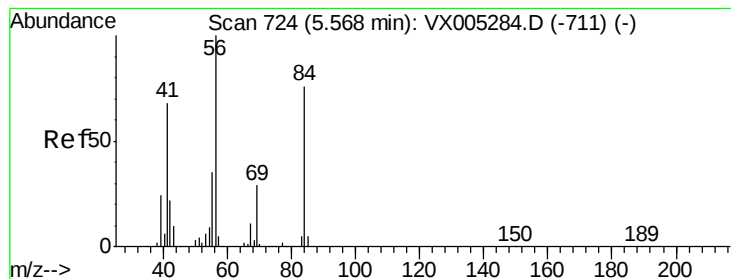
#30
Chloroform
Concen: 20.123 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 83 Resp: 100568
Ion Ratio Lower Upper
83 100
85 56.4 52.6 79.0



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





#31

Cyclohexane

Concen: 18.855 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

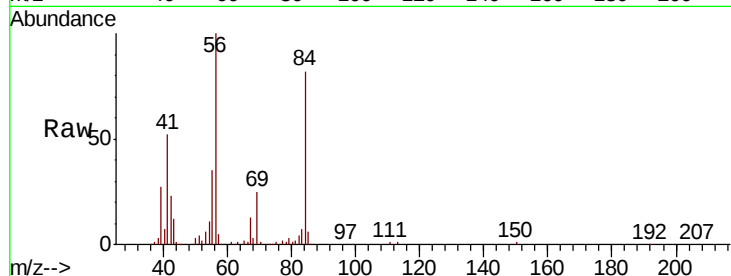
Tot Ion: 56 Resp: 83673

Ion Ratio Lower Upper

56 100

69 25.1 25.4 38.2#

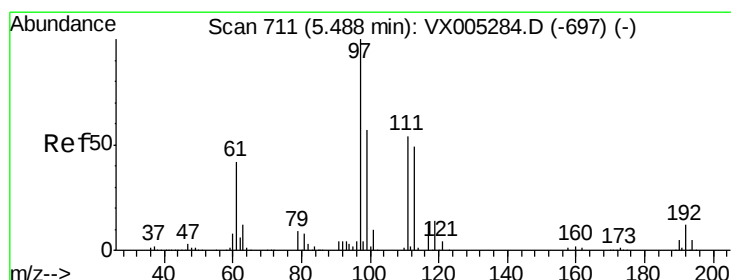
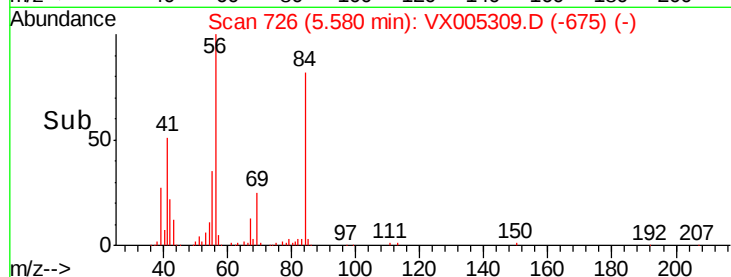
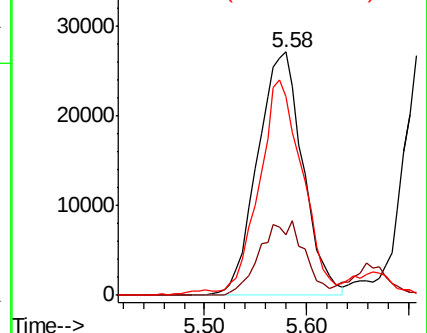
84 80.3 71.4 107.2



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: 19.309 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

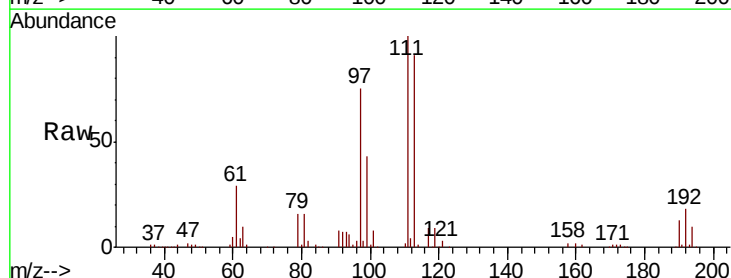
Tgt Ion: 97 Resp: 83965

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

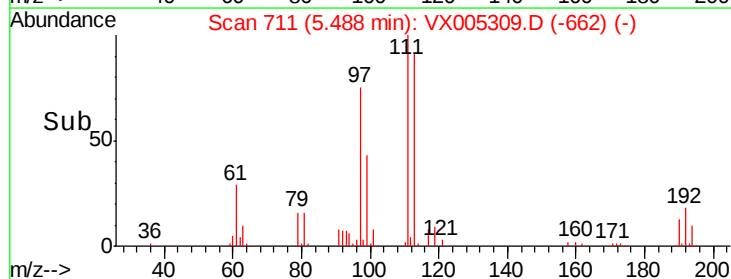
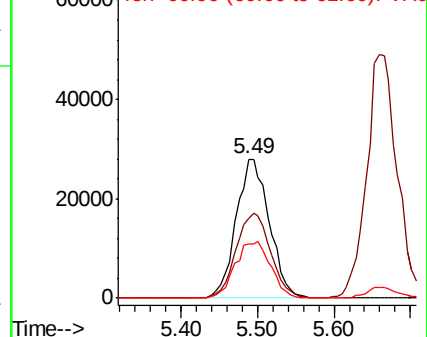
61 43.8 34.9 52.3

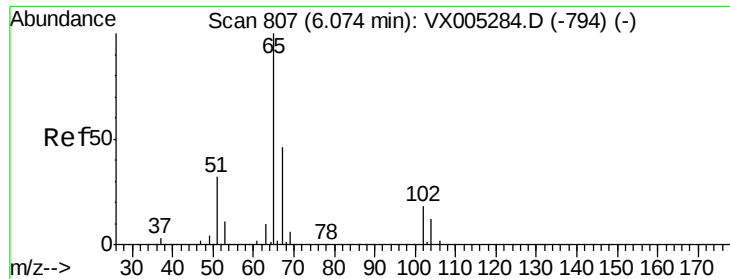


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.780 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

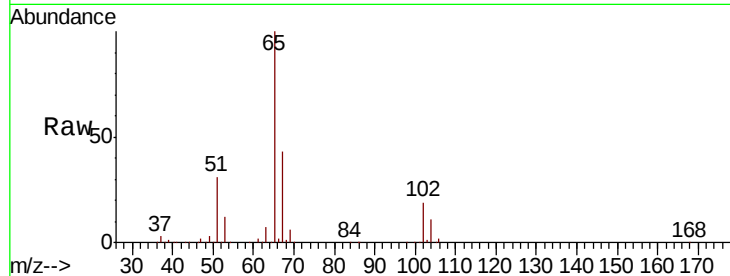
VX1012MBS01

Tot Ion: 65 Resp: 157482

Ion Ratio Lower Upper

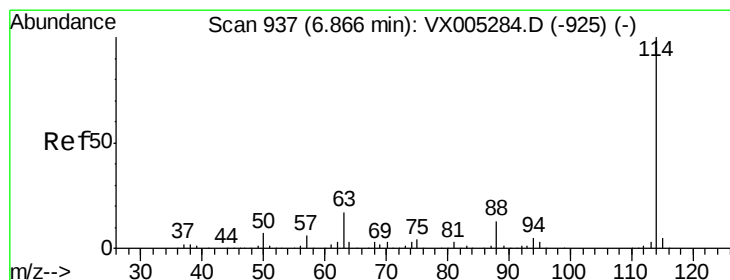
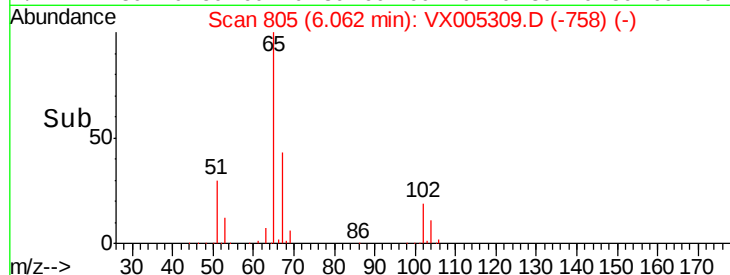
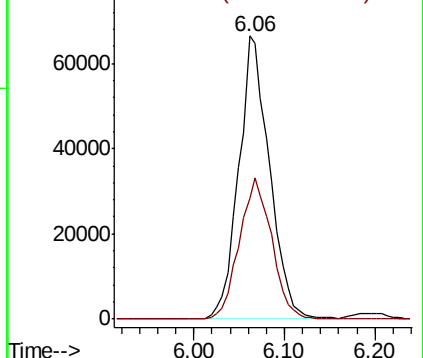
65 100

67 52.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

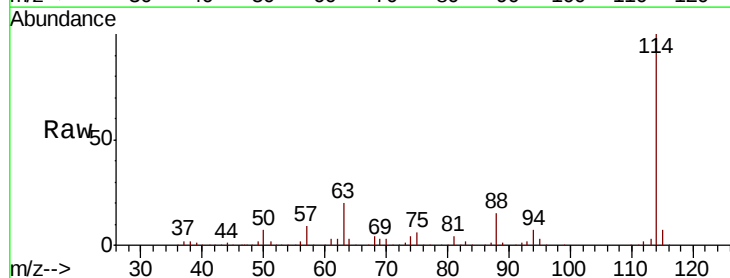
Tgt Ion: 114 Resp: 360677

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

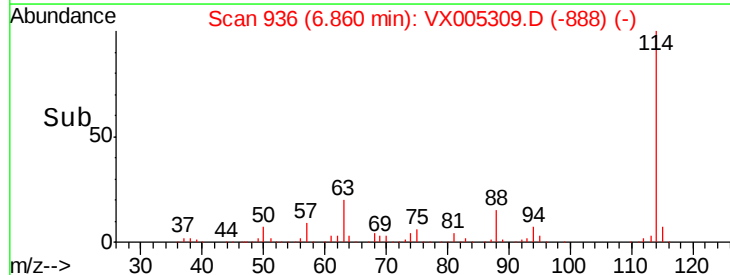
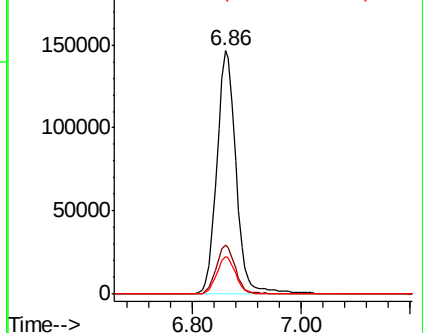
88 15.4 0.0 30.4

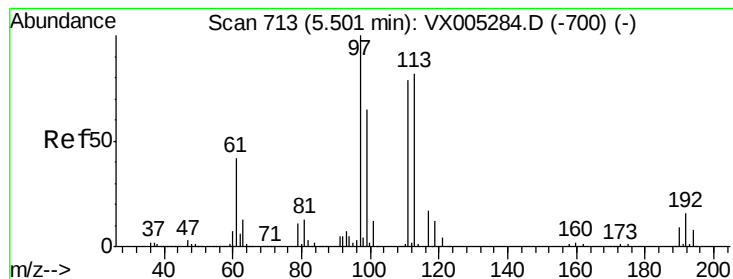


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.217 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

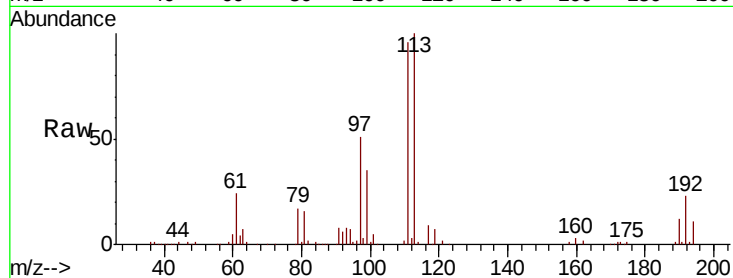
Tot Ion:113 Resp: 127127

Ion Ratio Lower Upper

113 100

111 107.3 82.4 123.6

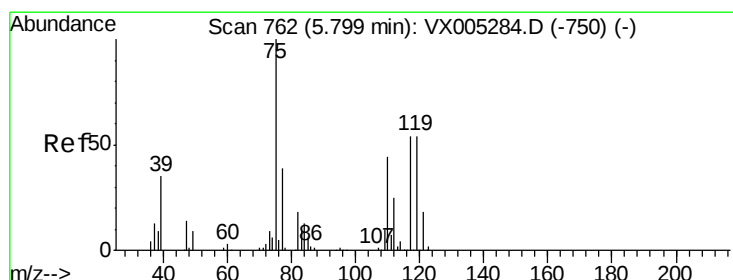
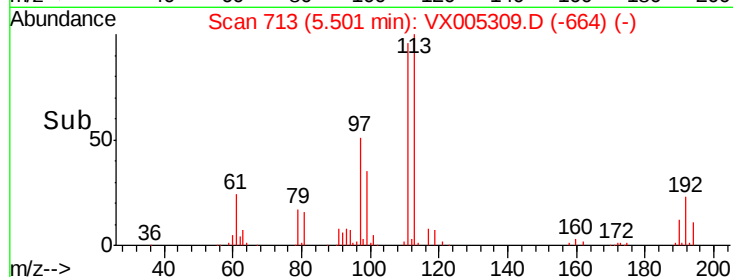
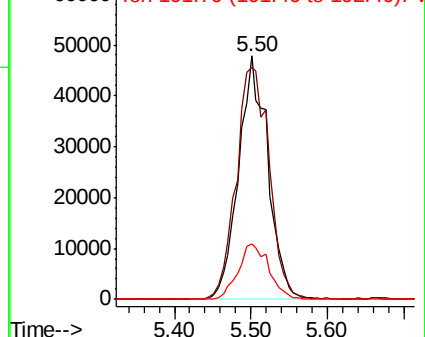
192 23.9 19.4 29.2



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: 20.825 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

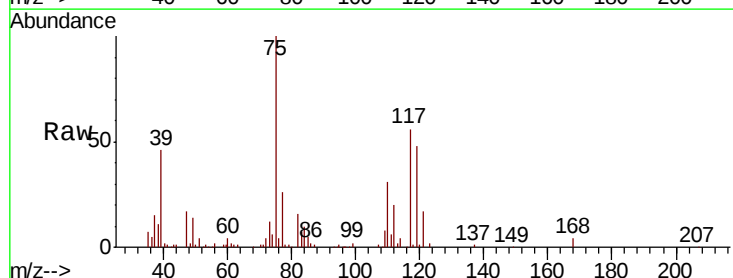
Tgt Ion: 75 Resp: 72743

Ion Ratio Lower Upper

75 100

110 33.9 18.0 54.0

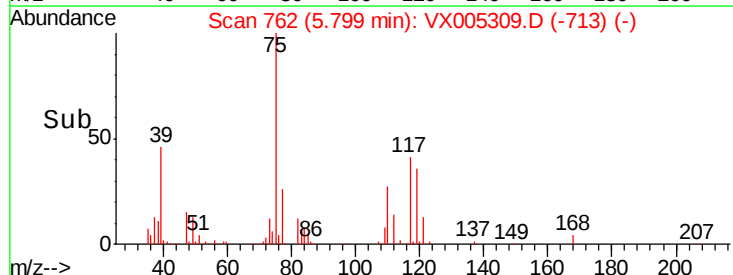
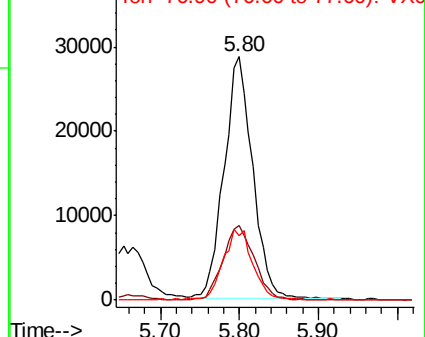
77 29.3 24.6 36.8

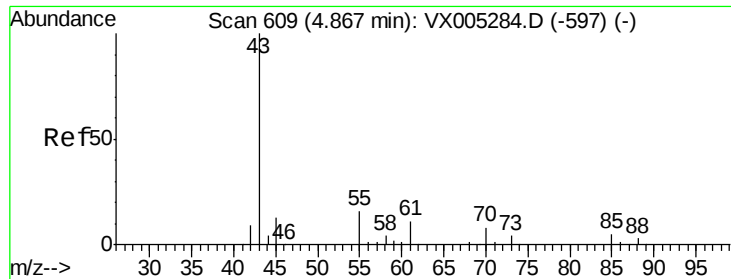


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

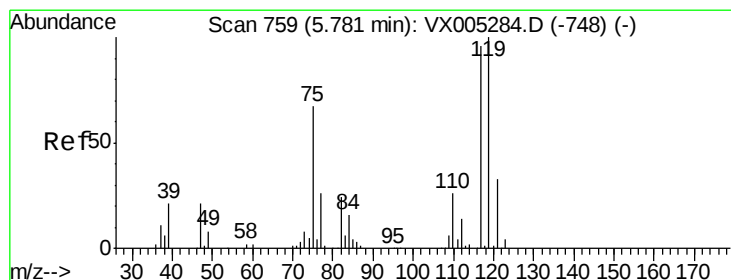
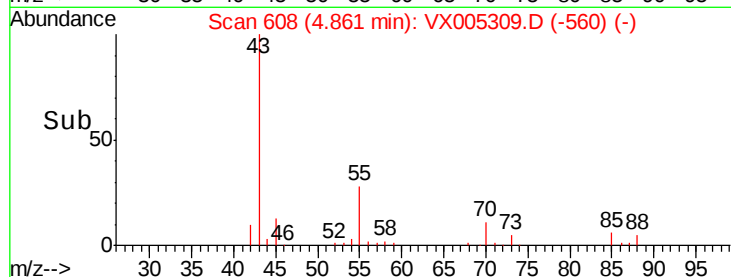
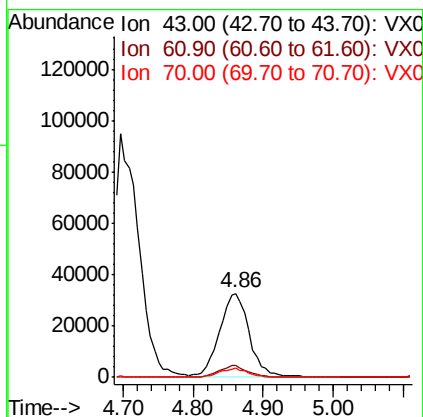
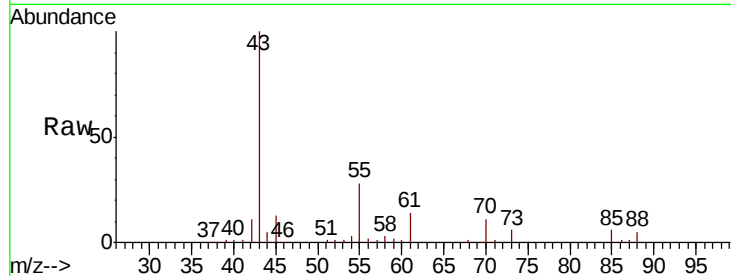




#37
Ethyl Acetate
Concen: 21.277 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

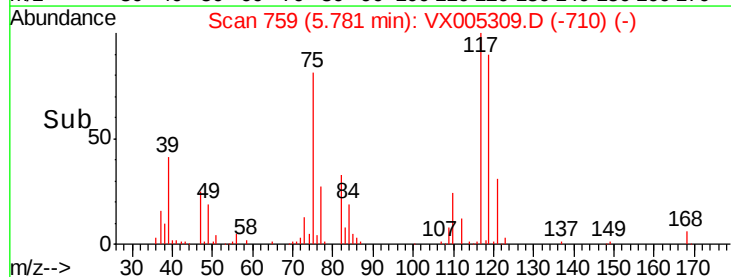
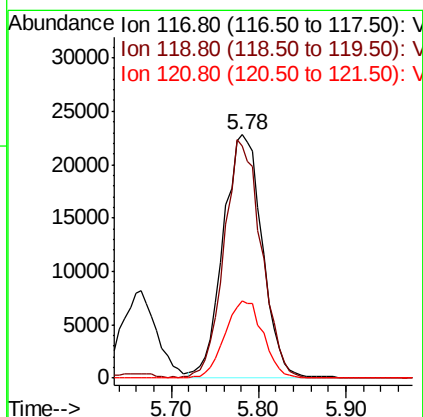
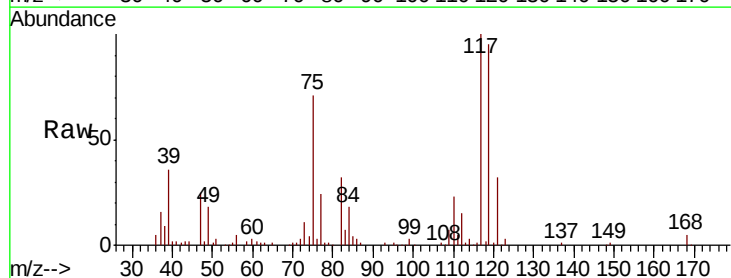
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion: 43 Resp: 95581
Ion Ratio Lower Upper
43 100
61 13.5 11.5 17.3
70 10.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 20.146 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 117 Resp: 70711
Ion Ratio Lower Upper
117 100
119 95.2 78.8 118.2
121 31.7 24.9 37.3

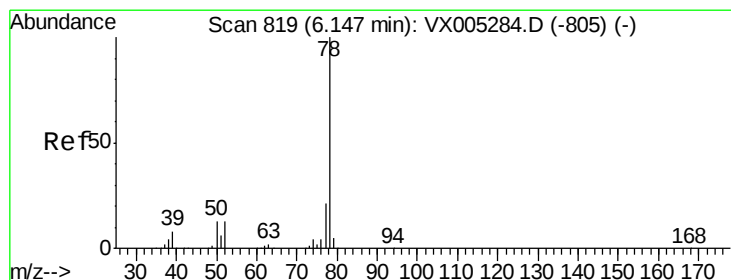
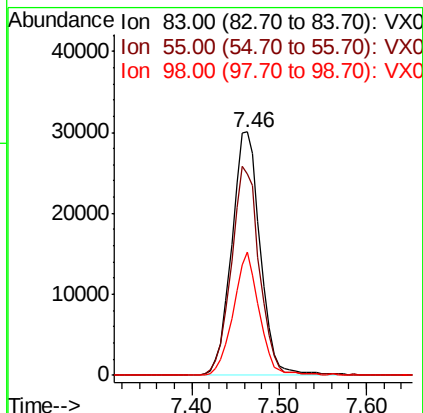
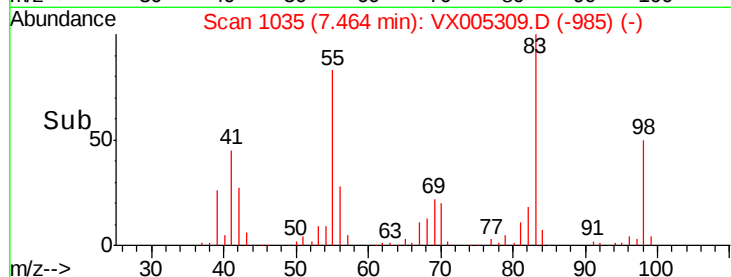
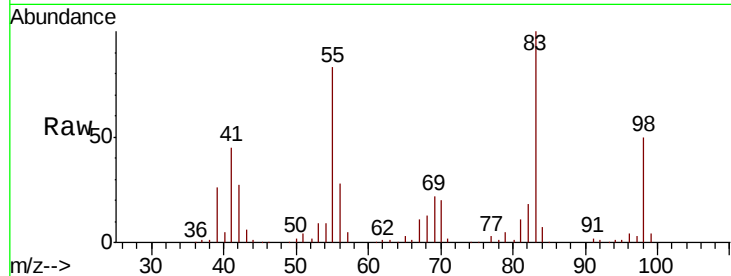




#39
Methvlcvclohexane
Concen: 18.042 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

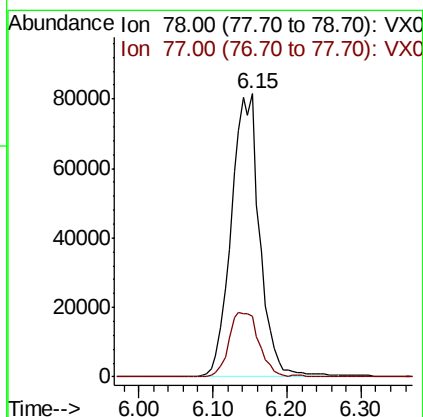
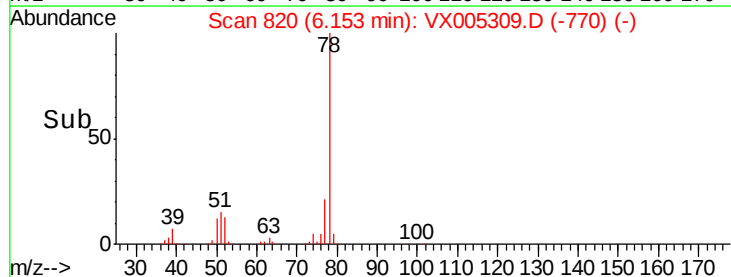
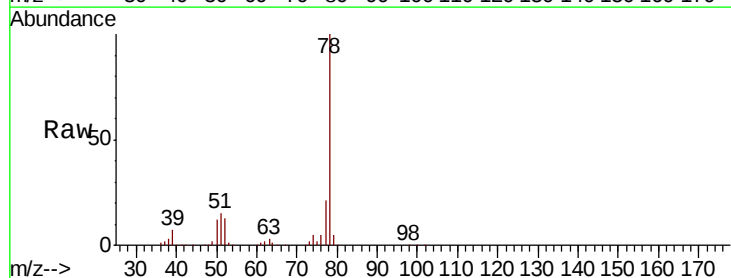
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

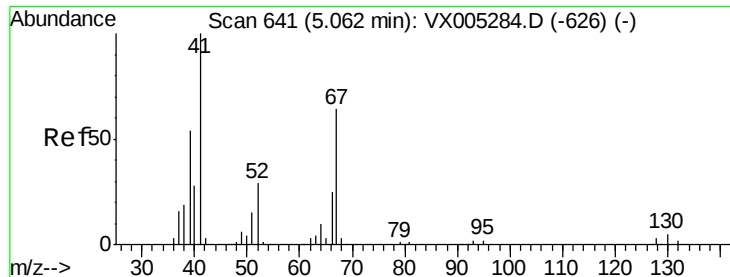
Tot Ion: 83 Resp: 68211
Ion Ratio Lower Upper
83 100
55 82.6 61.0 91.4
98 50.5 39.6 59.4



#40
Benzene
Concen: 20.906 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 78 Resp: 219070
Ion Ratio Lower Upper
78 100
77 21.2 19.0 28.4





#41

Methacrylonitrile

Concen: 22.482 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampled :

VX1012MBS01

Tot Ion: 41 Resp: 54145

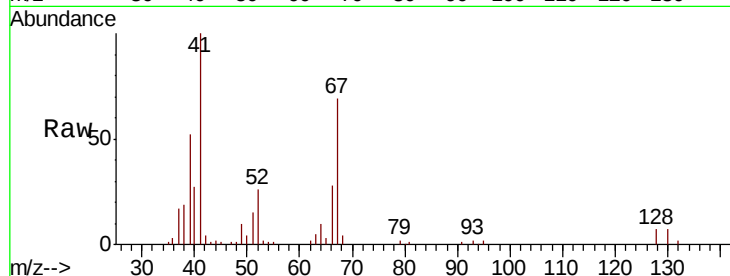
Ion Ratio Lower Upper

41 100

39 49.5 42.4 63.6

67 68.2 59.2 88.8

52 27.2 23.0 34.4

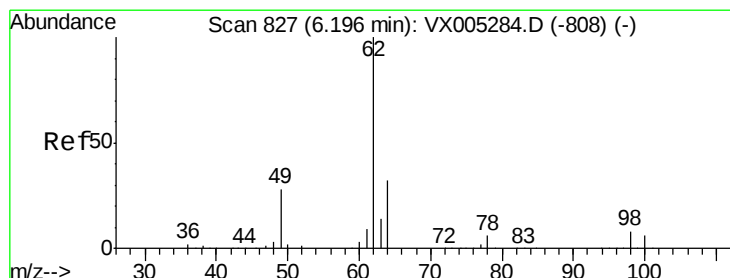
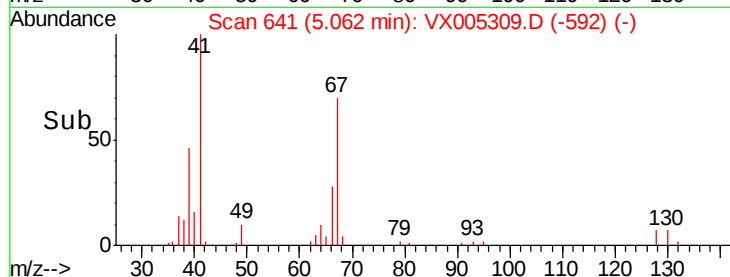
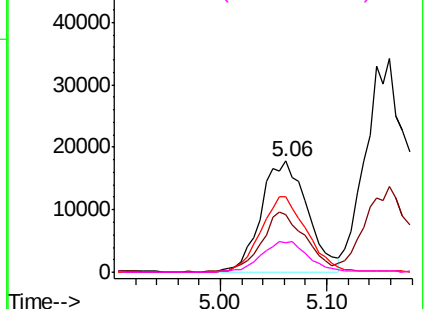


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.834 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX005309.D

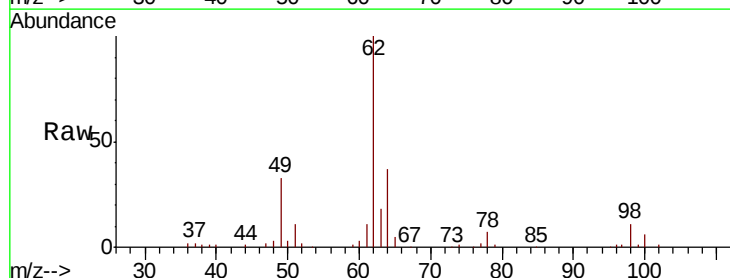
Acq: 12 Oct 2018 23:11

Tgt Ion: 62 Resp: 77085

Ion Ratio Lower Upper

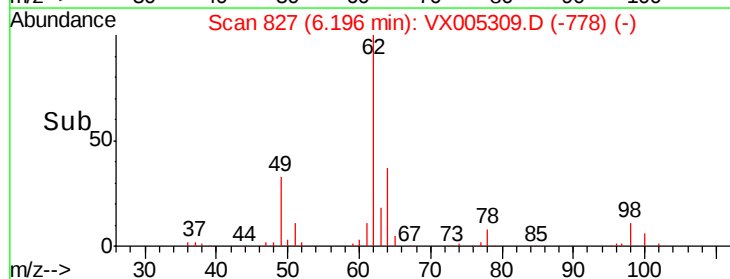
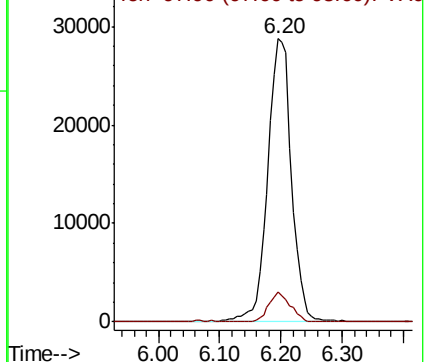
62 100

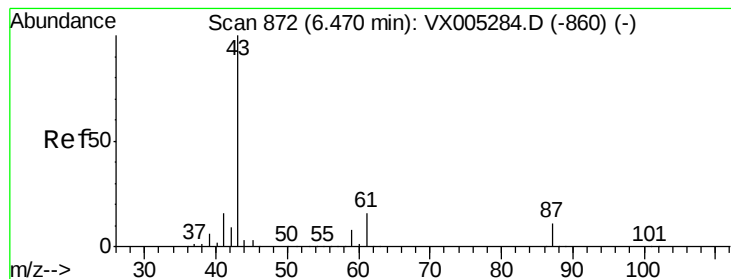
98 9.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.939 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

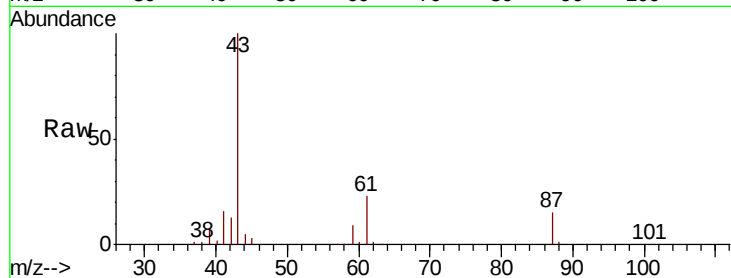
Tot Ion: 43 Resp: 125304

Ion Ratio Lower Upper

43 100

61 20.5 17.0 25.4

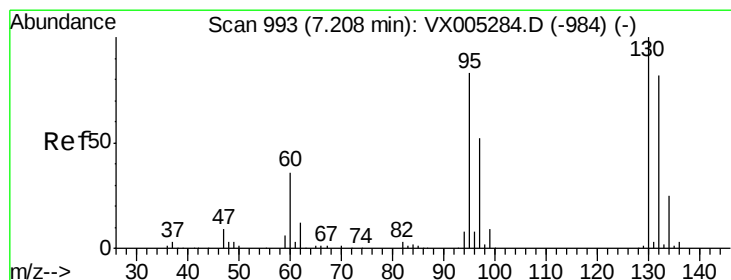
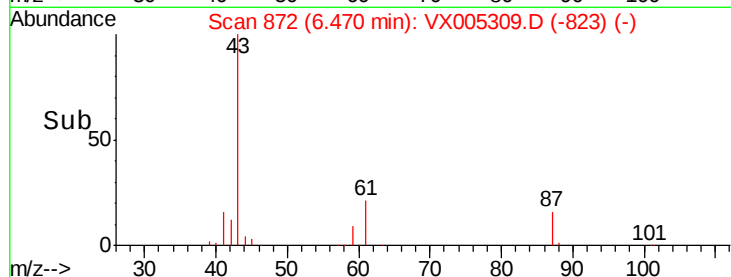
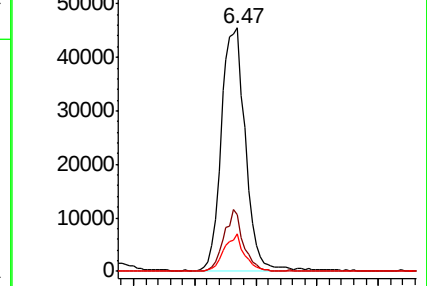
87 12.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-860) (-)

Ion 61.00 (60.70 to 61.70): VX005284.D (-860) (-)

Ion 87.00 (86.70 to 87.70): VX005284.D (-860) (-)



#44

Trichloroethene

Concen: 19.090 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005309.D

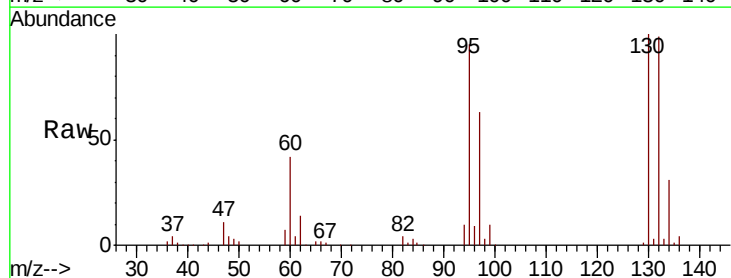
Acq: 12 Oct 2018 23:11

Tgt Ion:130 Resp: 52105

Ion Ratio Lower Upper

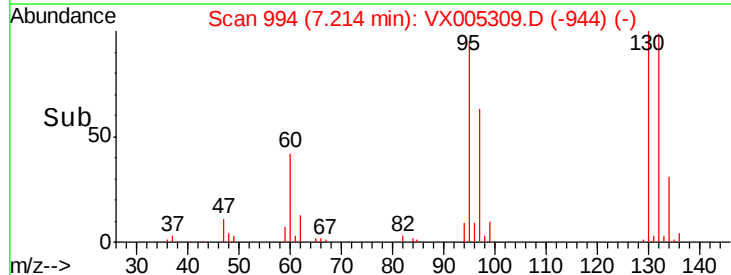
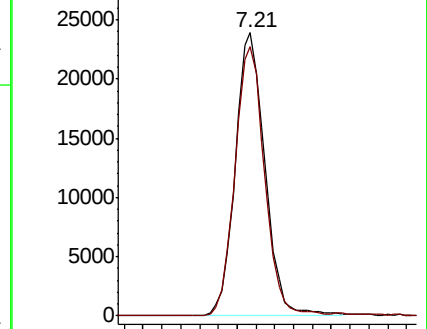
130 100

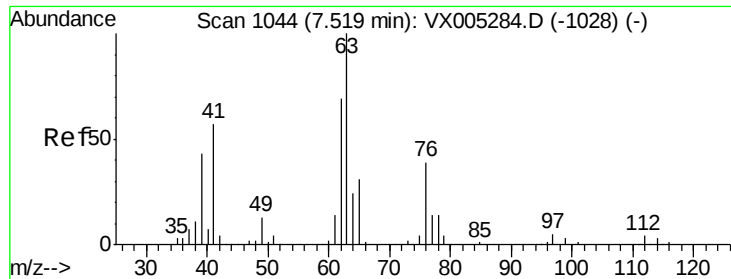
95 95.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005284.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX005284.D (-984) (-)





#45

1,2-Dichloropropane

Concen: 19.587 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampled :

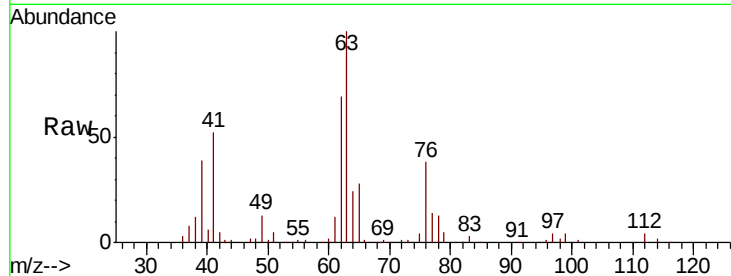
VX1012MBS01

Tot Ion: 63 Resp: 50347

Ion Ratio Lower Upper

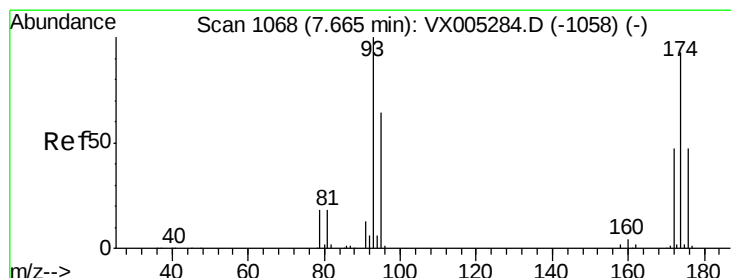
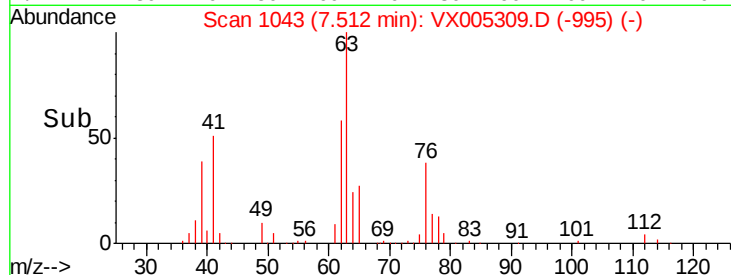
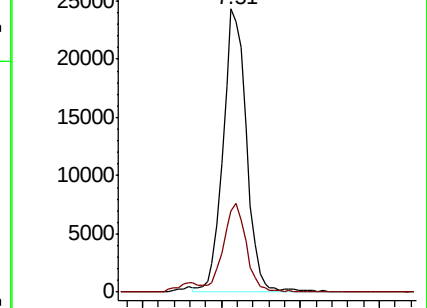
63 100

65 28.5 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: 19.411 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

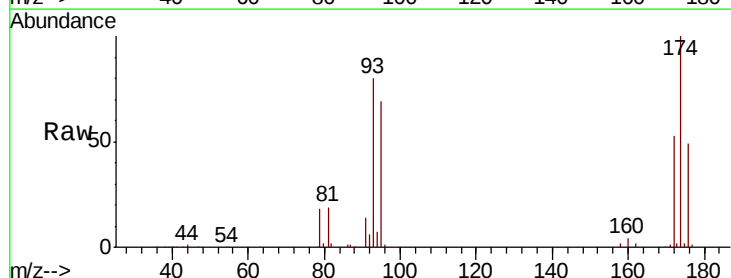
Tgt Ion: 93 Resp: 32931

Ion Ratio Lower Upper

93 100

95 83.1 65.5 98.3

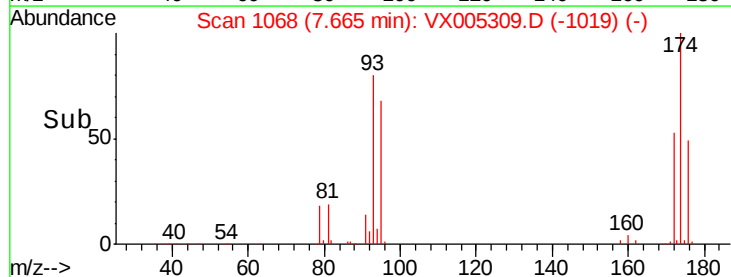
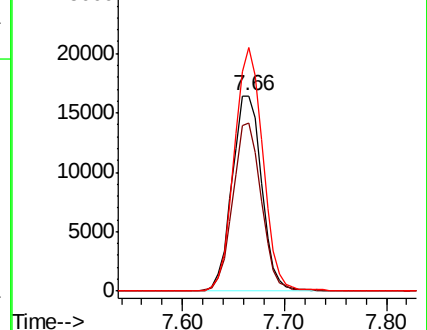
174 119.7 94.2 141.4



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: 19.932 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

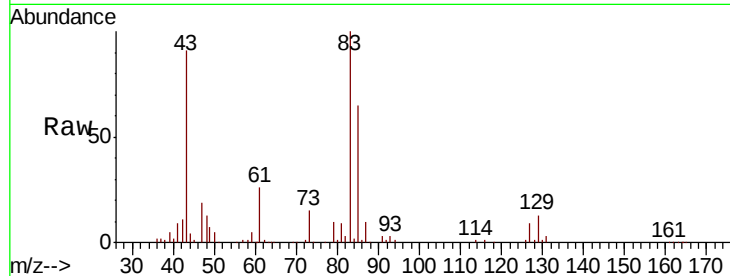
Tot Ion: 83 Resp: 62546

Ion Ratio Lower Upper

83 100

85 65.4 50.9 76.3

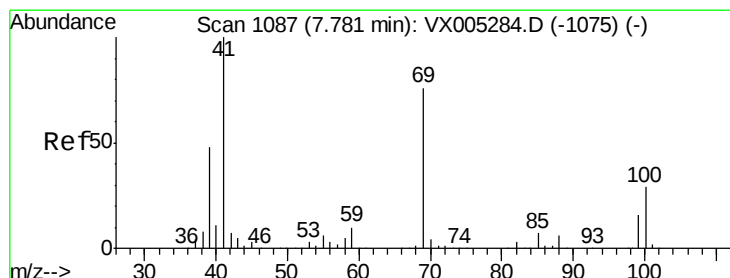
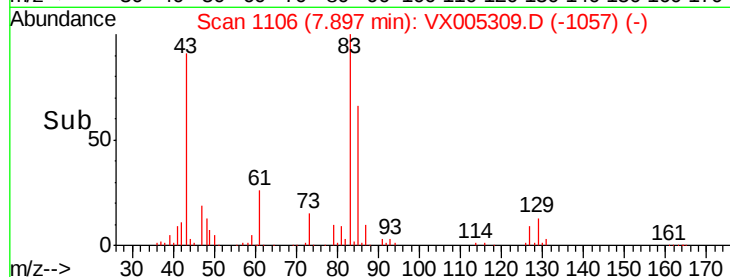
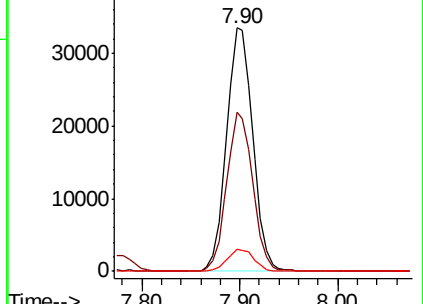
127 9.1 7.3 10.9



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: 19.380 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

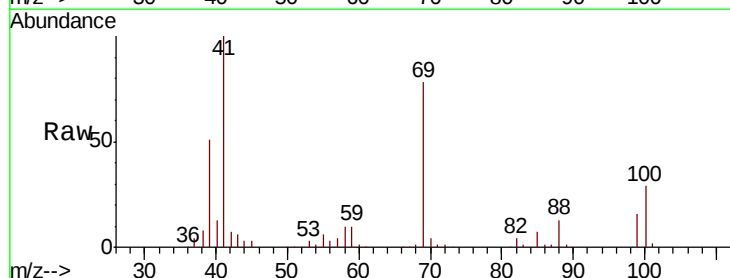
Tgt Ion: 41 Resp: 60148

Ion Ratio Lower Upper

41 100

69 81.6 70.2 105.4

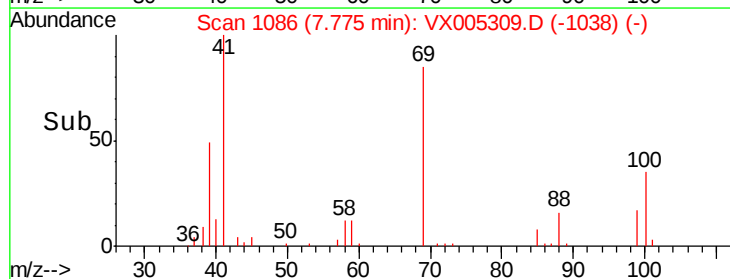
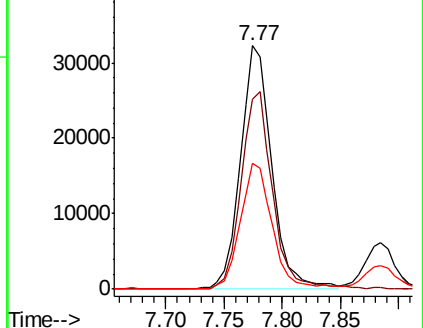
39 52.9 42.7 64.1

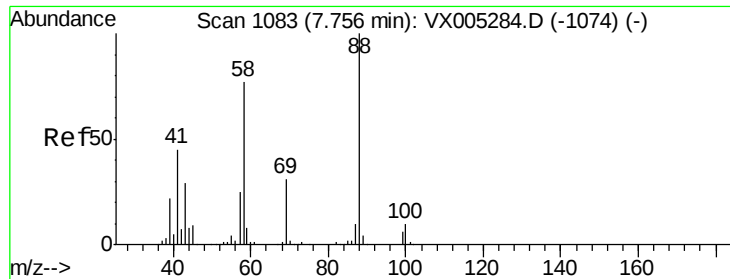


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

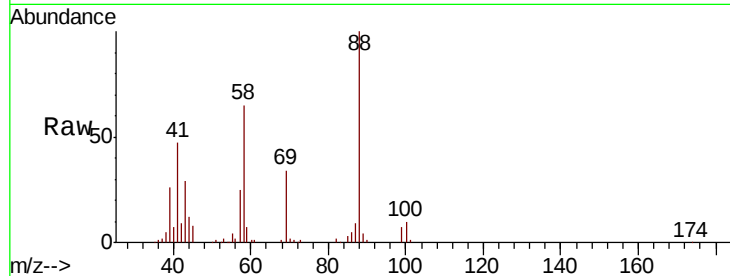




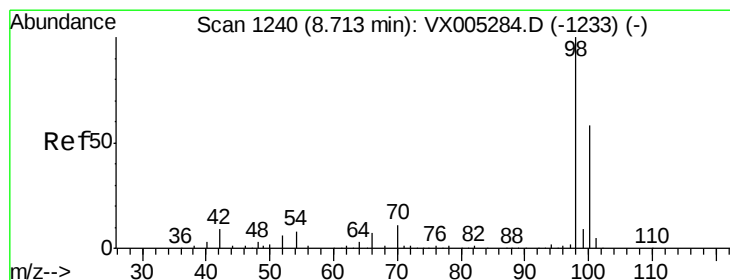
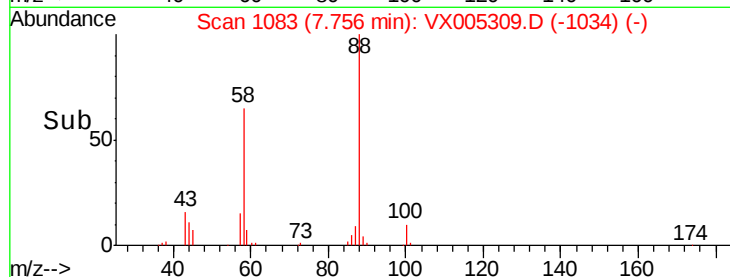
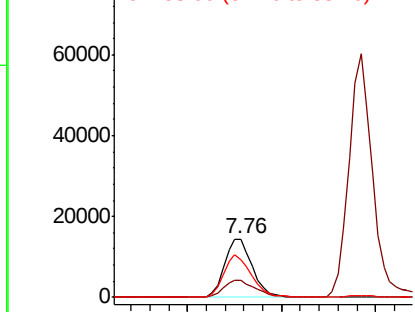
#49
1,4-Dioxane
Concen: 410.196 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion: 88 Resp: 29364
Ion Ratio Lower Upper
88 100
43 34.7 24.7 37.1
58 72.4 55.3 82.9

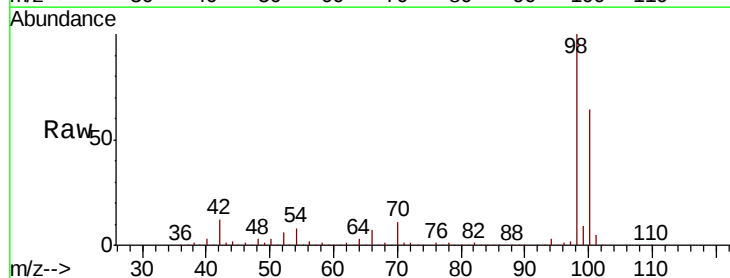


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

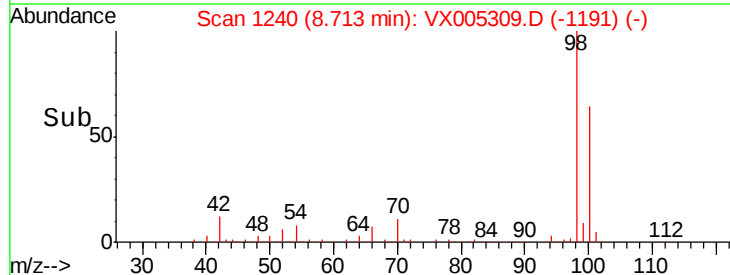
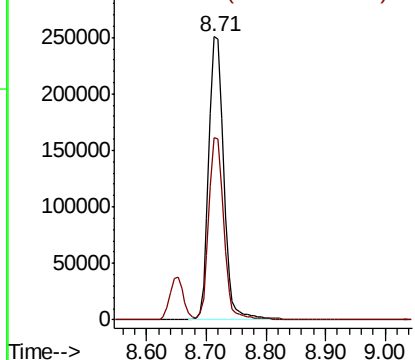


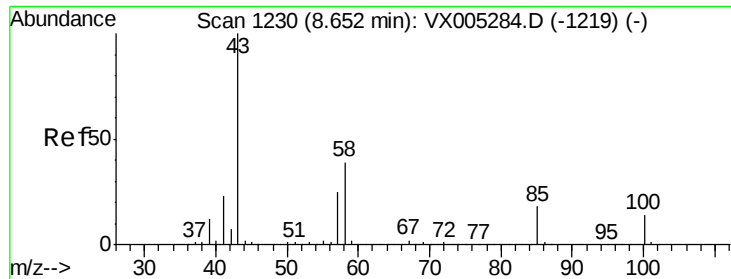
#50
Toluene-d8
Concen: 52.602 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 98 Resp: 431397
Ion Ratio Lower Upper
98 100
100 64.6 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: 102.632 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

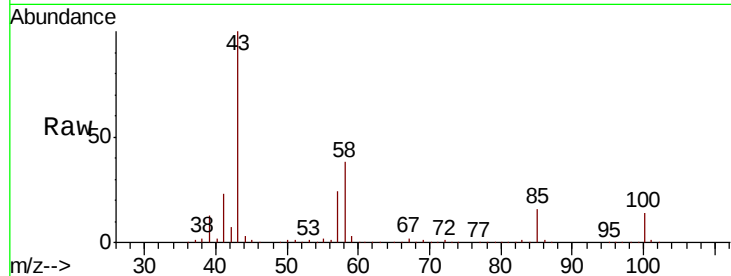
VX1012MBS01

Tot Ion: 43 Resp: 425256

Ion Ratio Lower Upper

43 100

58 37.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-1219) (-)

8.65

250000

200000

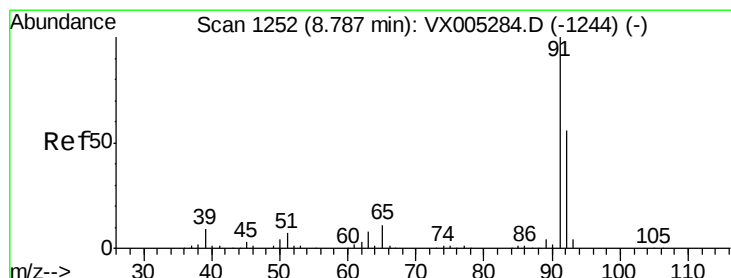
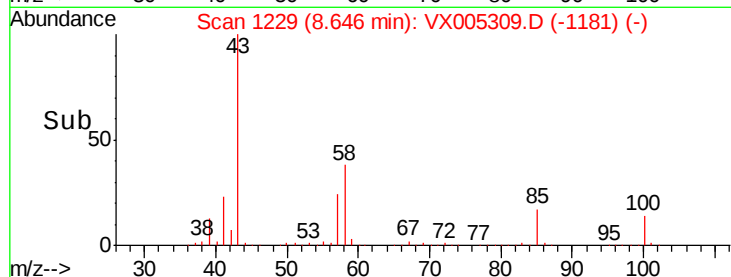
150000

100000

50000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 20.789 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005309.D

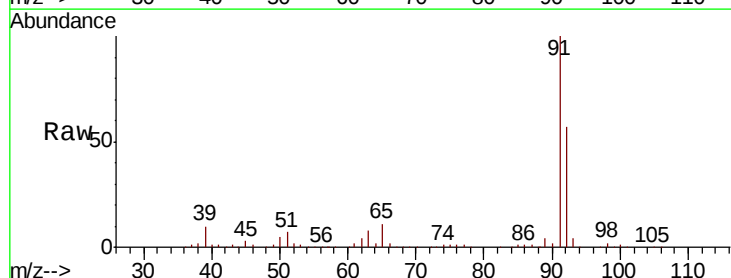
Acq: 12 Oct 2018 23:11

Tgt Ion: 92 Resp: 119178

Ion Ratio Lower Upper

92 100

91 175.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX005284.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1244) (-)

8.79

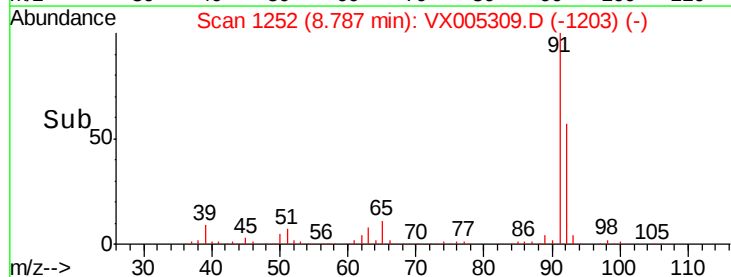
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00





#53

t-1,3-Dichloropropene

Concen: 19.169 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

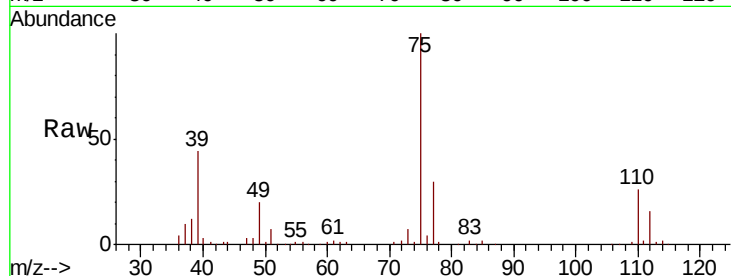
VX1012MBS01

Tot Ion: 75 Resp: 65099

Ion Ratio Lower Upper

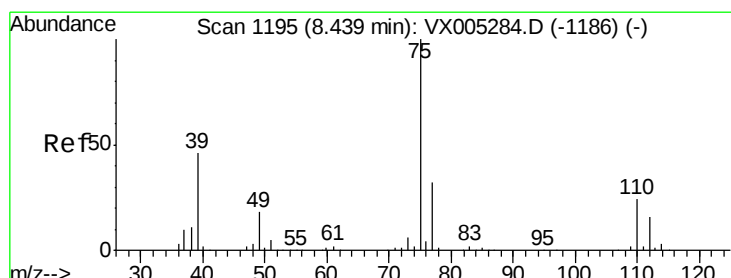
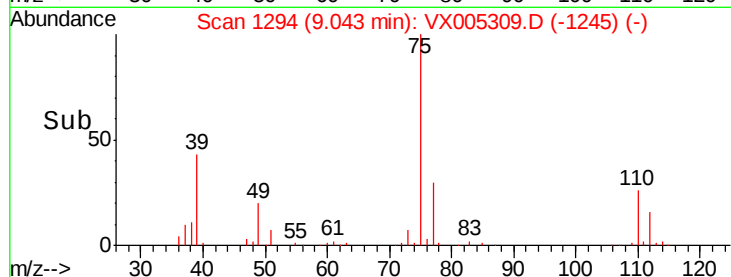
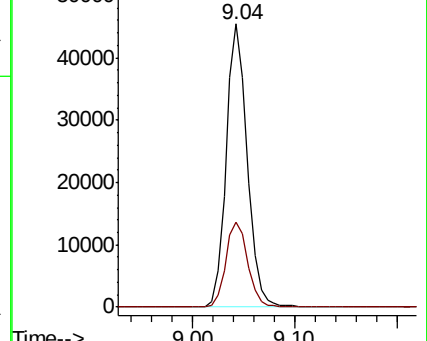
75 100

77 30.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.396 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

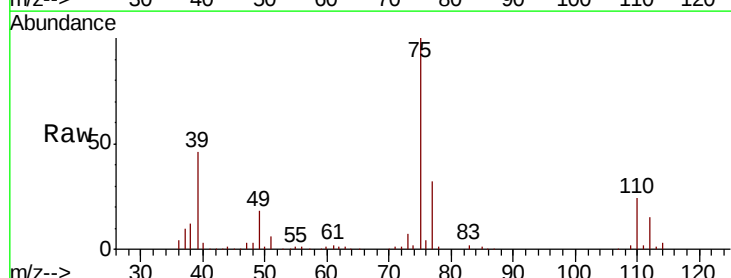
Tgt Ion: 75 Resp: 71371

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

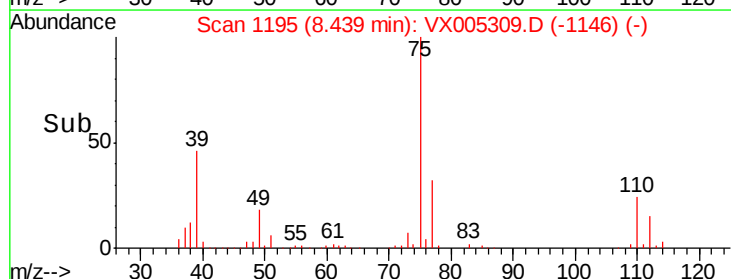
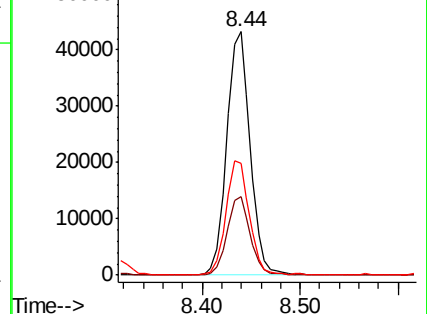
39 45.7 36.4 54.6

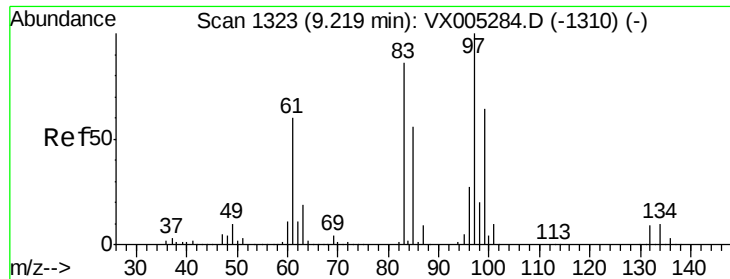


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.306 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tot Ion: 97 Resp: 49306

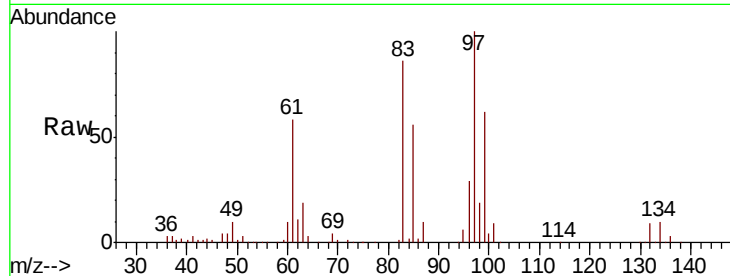
Ion Ratio Lower Upper

97 100

83 86.2 66.4 99.6

85 56.2 43.3 64.9

99 62.2 49.0 73.4



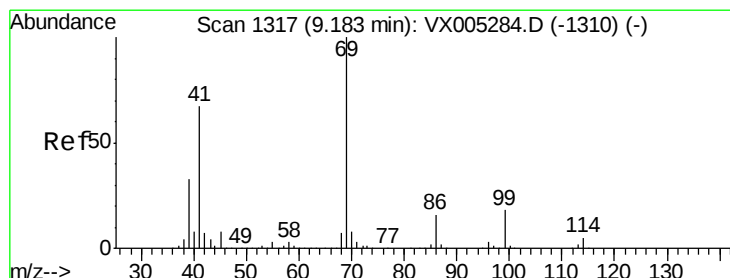
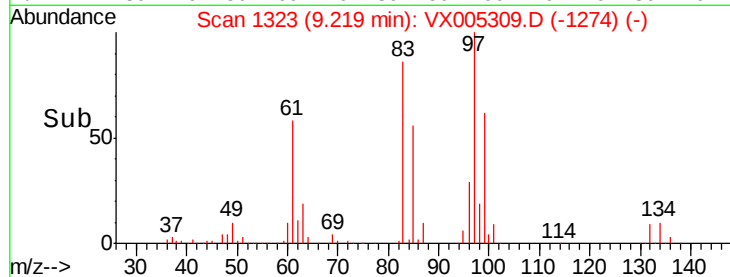
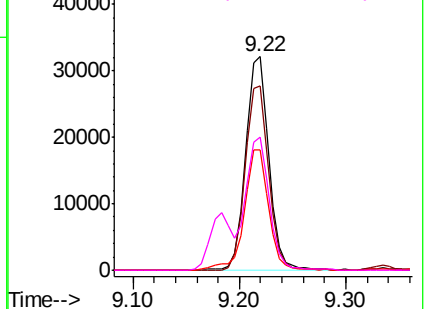
Abundance

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: 20.050 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

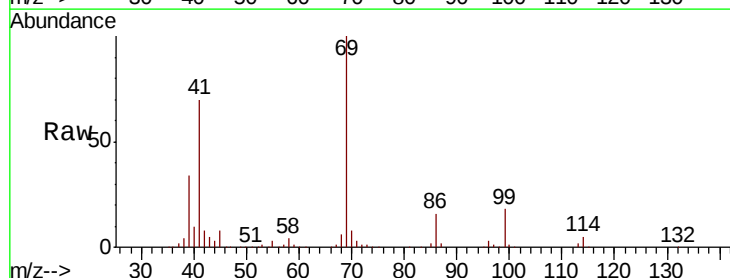
Tgt Ion: 69 Resp: 70973

Ion Ratio Lower Upper

69 100

41 69.9 51.0 76.4

39 33.2 26.1 39.1

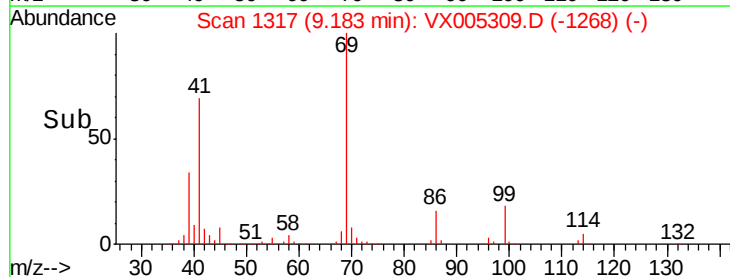
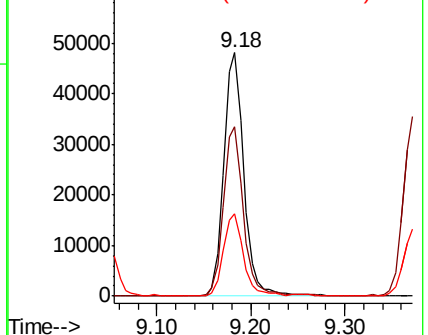


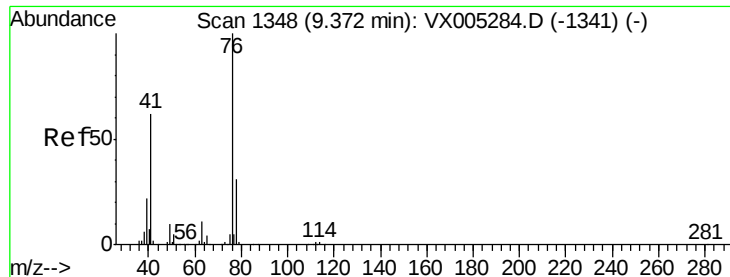
Abundance

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: 20.388 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

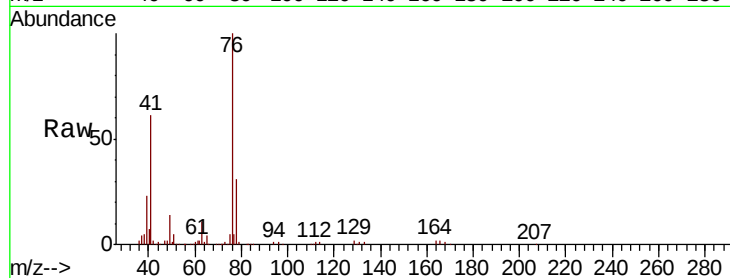
VX1012MBS01

Tot Ion: 76 Resp: 82630

Ion Ratio Lower Upper

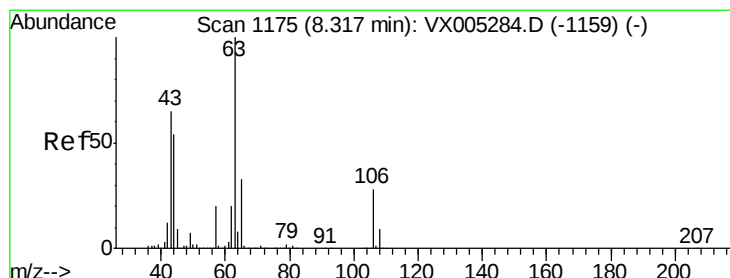
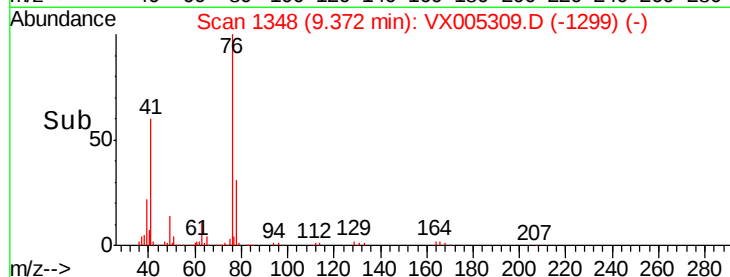
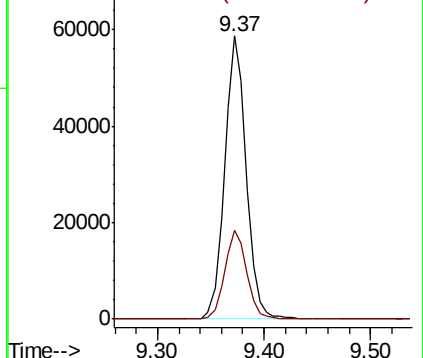
76 100

78 32.0 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: 106.369 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005309.D

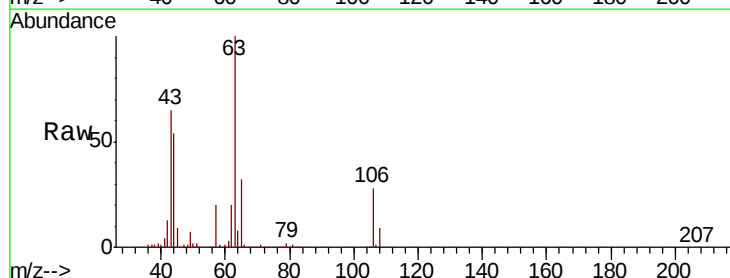
Acq: 12 Oct 2018 23:11

Tgt Ion: 63 Resp: 211161

Ion Ratio Lower Upper

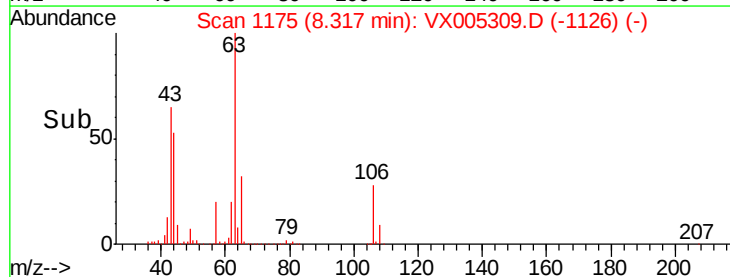
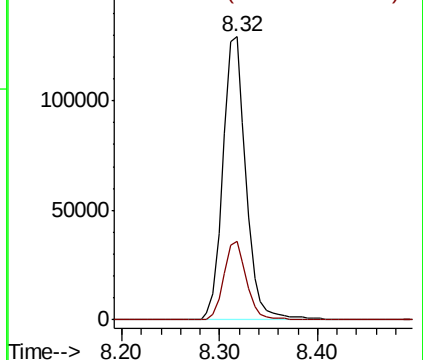
63 100

106 27.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

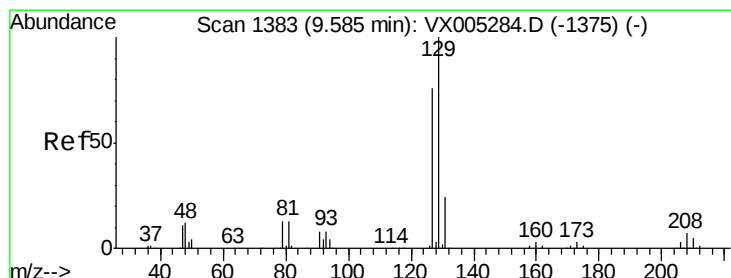
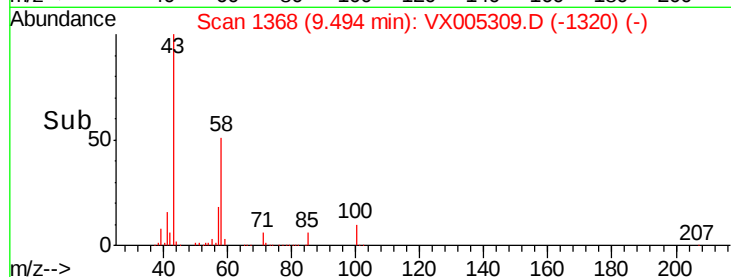
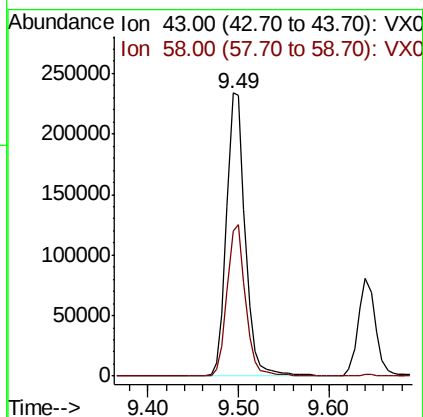
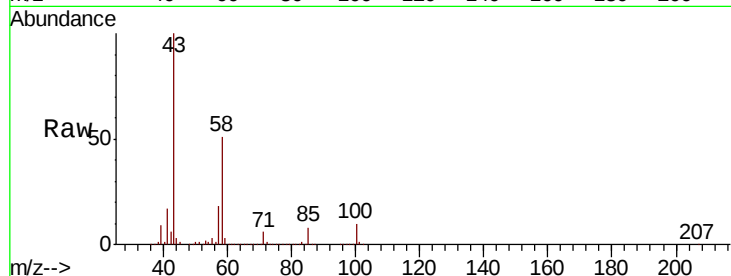




#59
2-Hexanone
Concen: 101.212 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

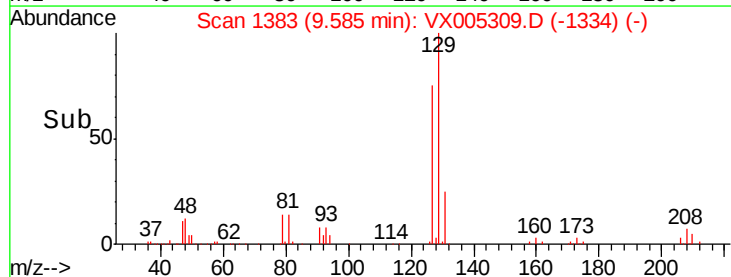
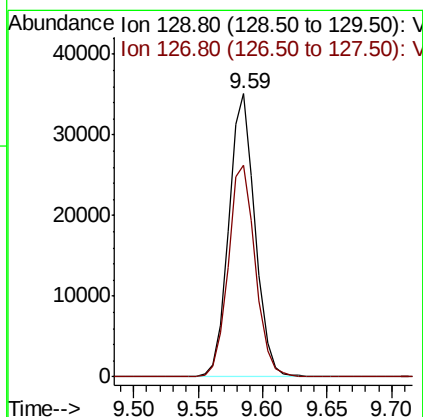
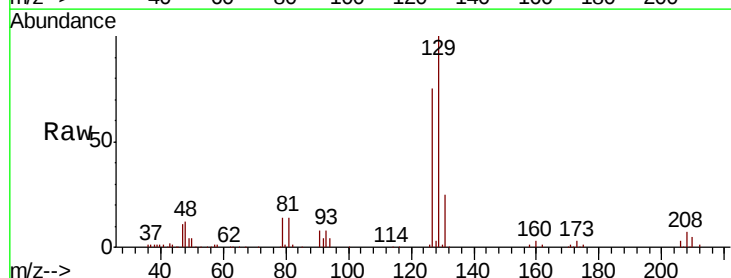
Instrument :
MSVOA_X
ClientSampled :
VX1012MBS01

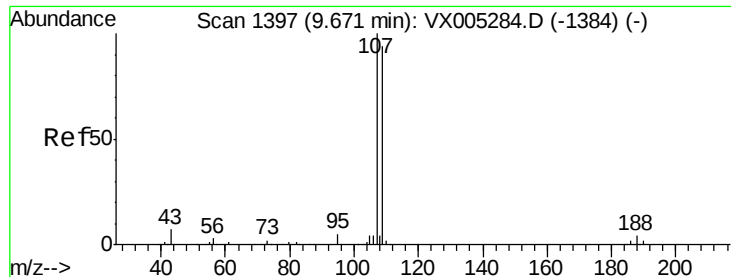
Tot Ion: 43 Resp: 337343
Ion Ratio Lower Upper
43 100
58 52.6 29.0 87.0



#60
Dibromochloromethane
Concen: 19.954 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion:129 Resp: 50084
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.136 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

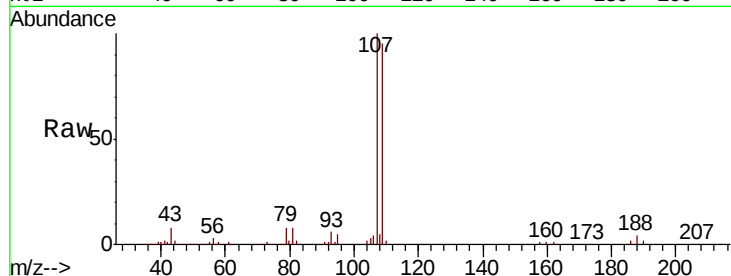
VX1012MBS01

Tot Ion:107 Resp: 51311

Ion Ratio Lower Upper

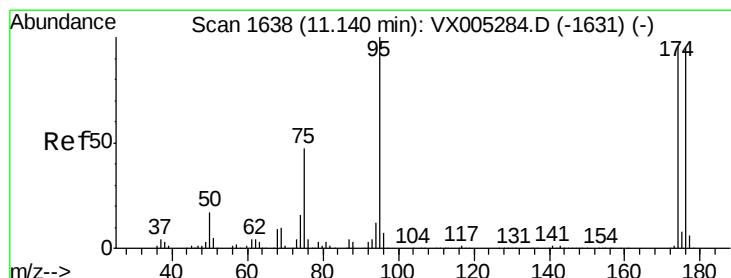
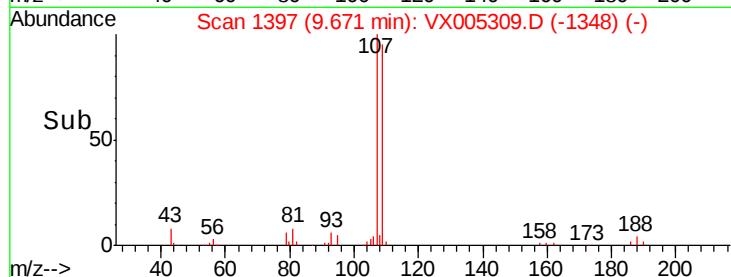
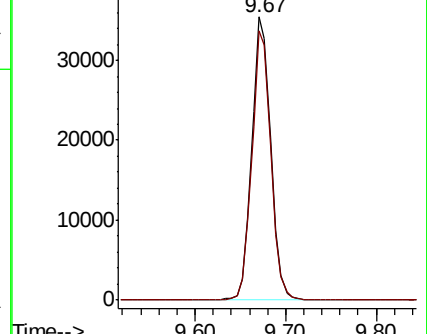
107 100

109 95.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.990 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

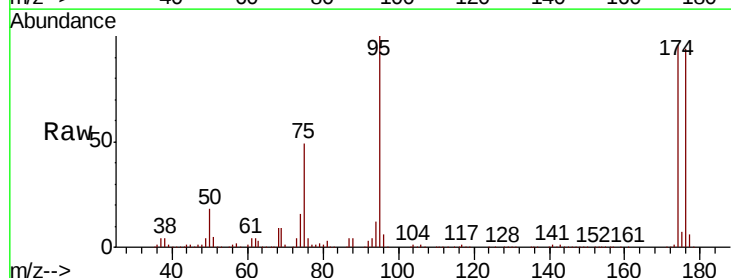
Tgt Ion: 95 Resp: 157093

Ion Ratio Lower Upper

95 100

174 93.5 0.0 185.2

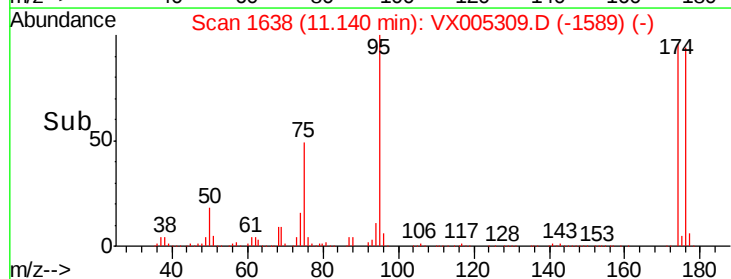
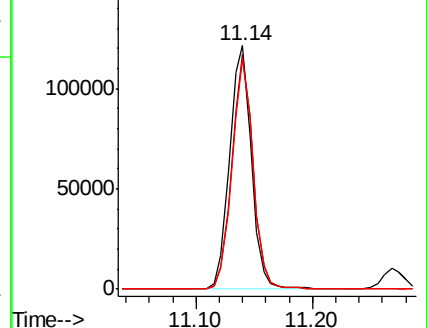
176 91.7 0.0 178.6

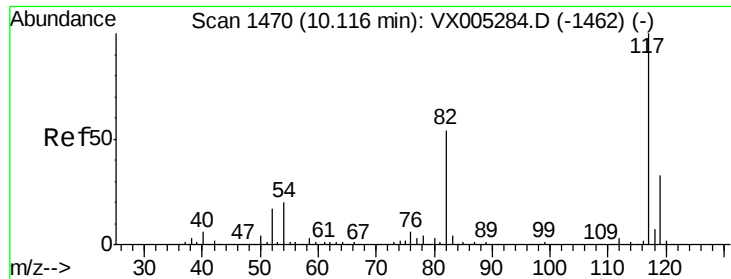


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

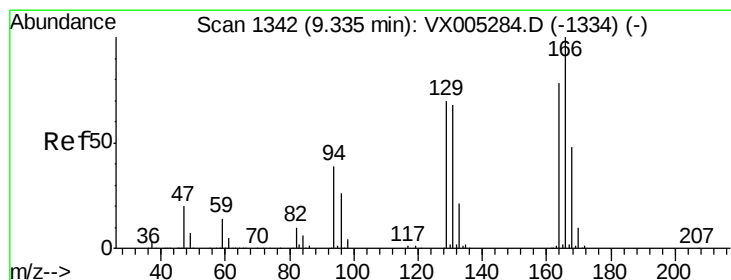
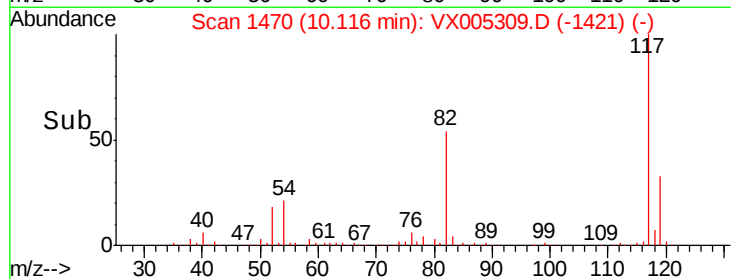
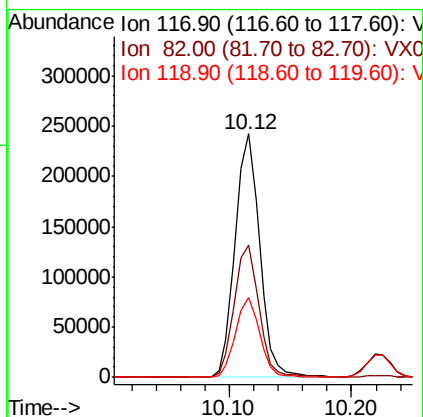
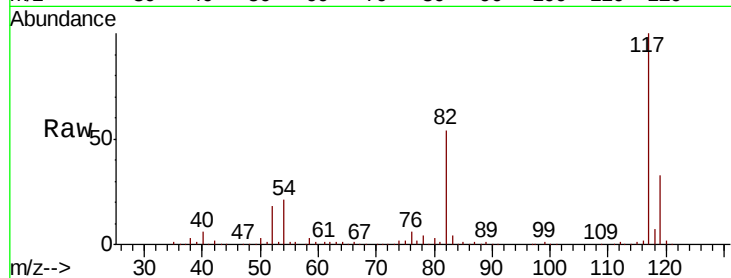




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

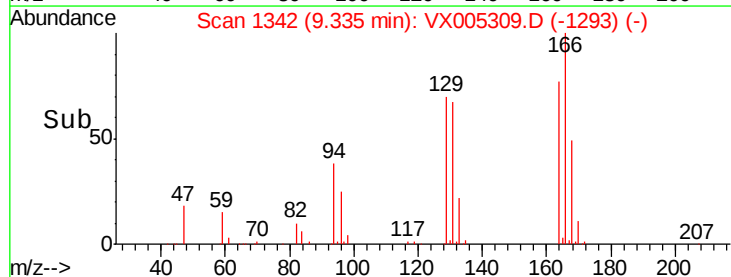
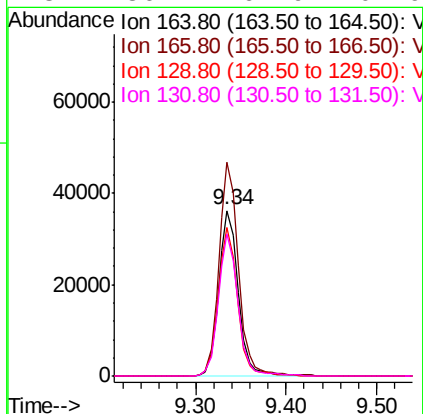
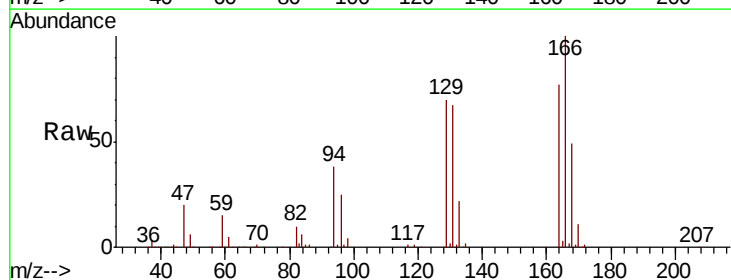
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion:117 Resp: 338198
Ion Ratio Lower Upper
117 100
82 54.1 47.8 71.6
119 32.7 29.3 43.9



#64
Tetrachloroethene
Concen: 20.011 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion:164 Resp: 54484
Ion Ratio Lower Upper
164 100
166 129.2 102.8 154.2
129 89.8 69.4 104.0
131 86.2 67.9 101.9

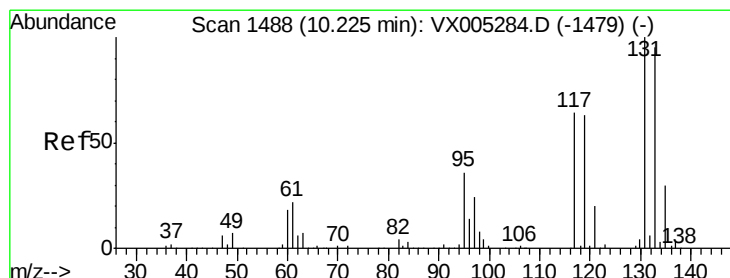
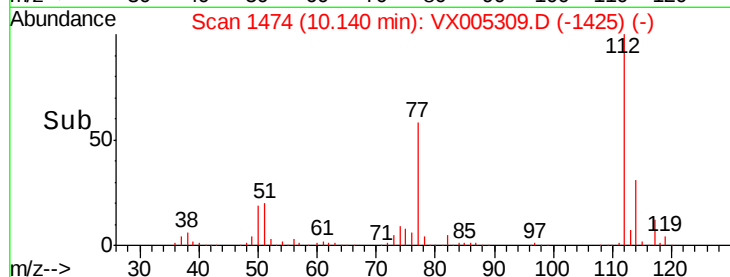
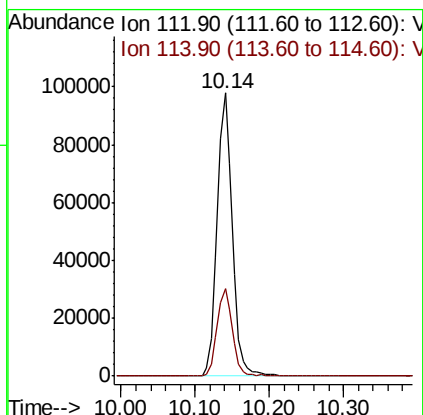
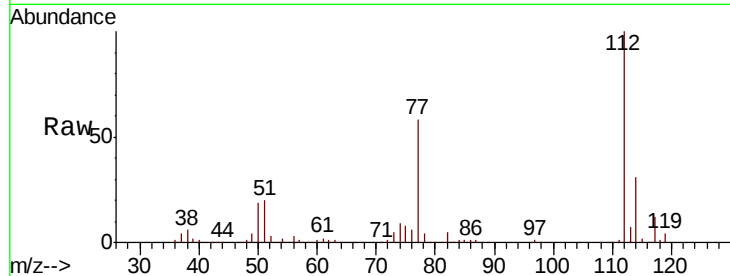




#65
Chlorobenzene
Concen: 18.980 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

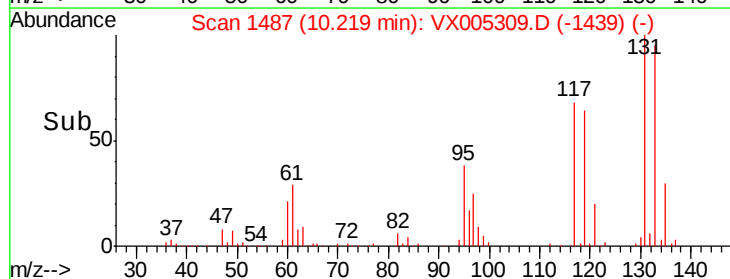
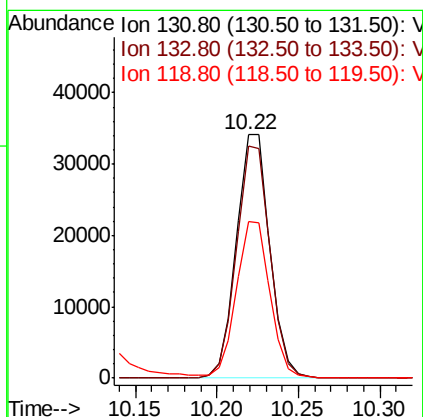
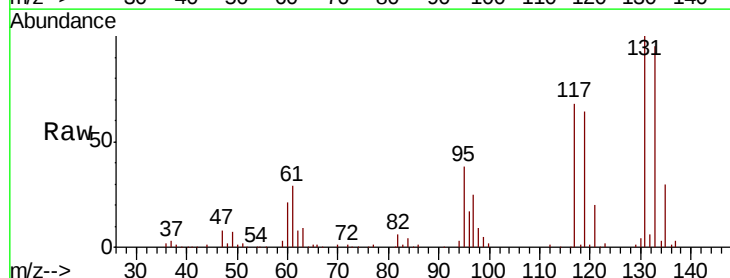
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

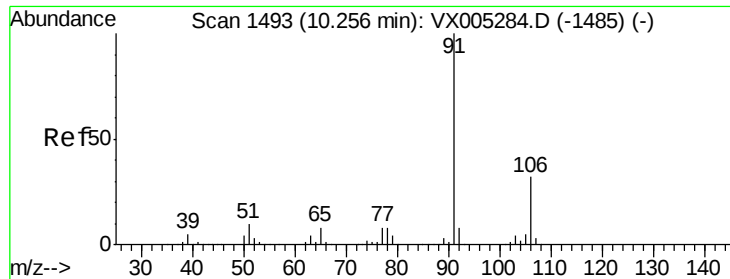
Tot Ion:112 Resp: 136537
Ion Ratio Lower Upper
112 100
114 31.0 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.024 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion:131 Resp: 48769
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.7 32.9 98.6

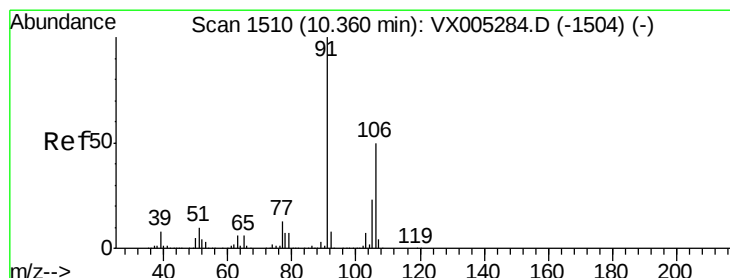
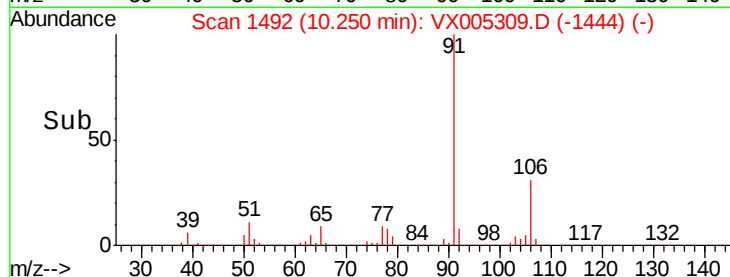
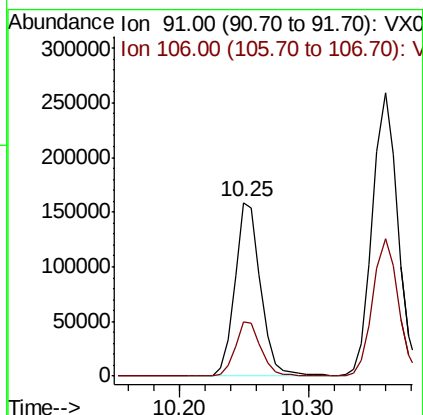
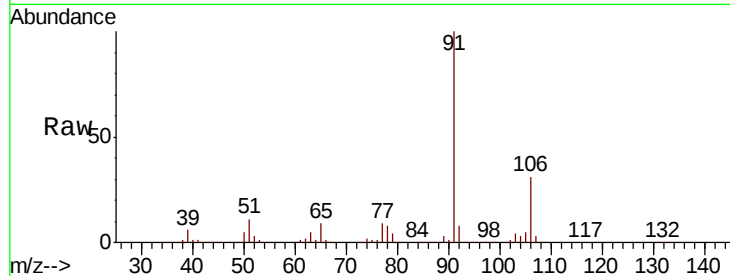




#67
Ethyl Benzene
Concen: 18.928 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

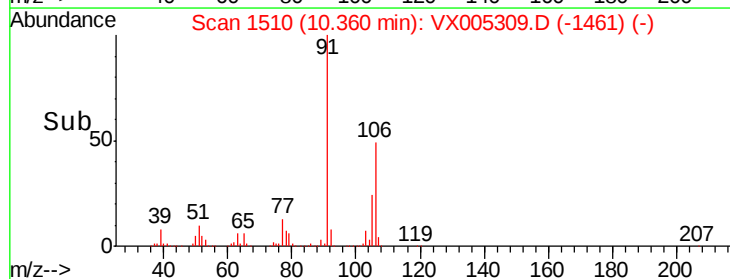
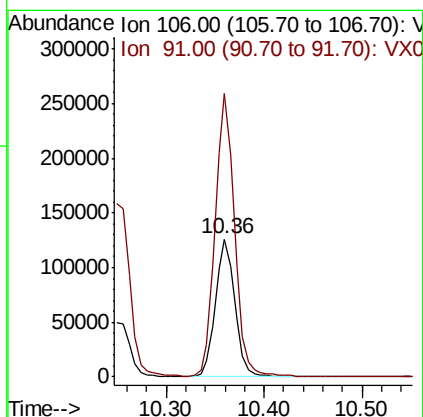
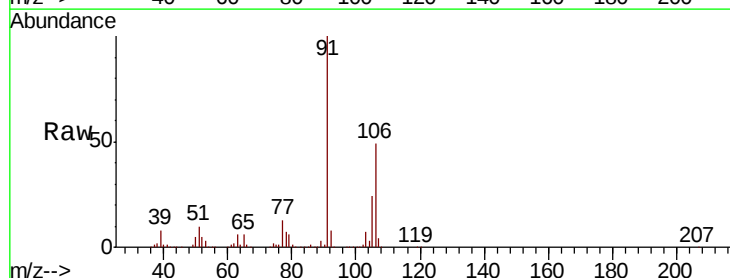
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tot Ion: 91 Resp: 221362
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9



#68
m/p-Xylenes
Concen: 38.522 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 106 Resp: 174859
Ion Ratio Lower Upper
106 100
91 205.2 157.1 235.7

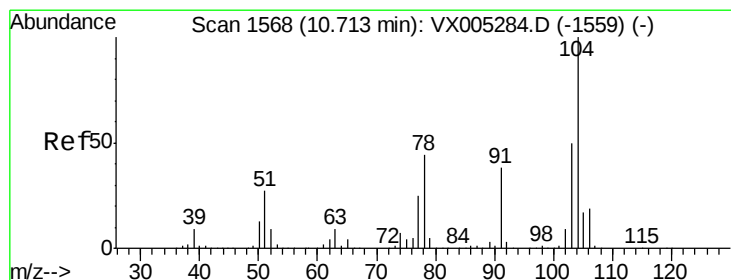
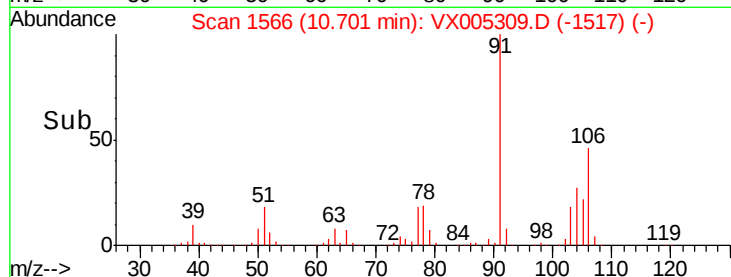
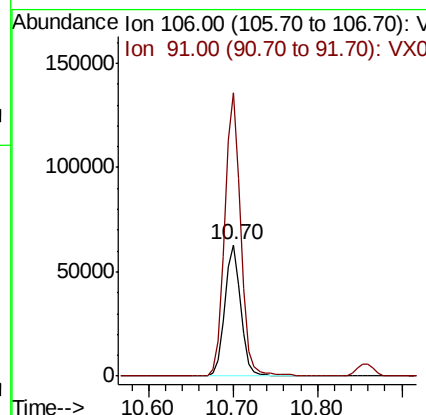
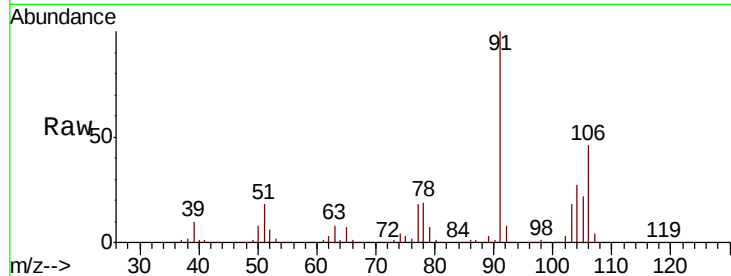




#69
o-Xylene
Concen: 19.016 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

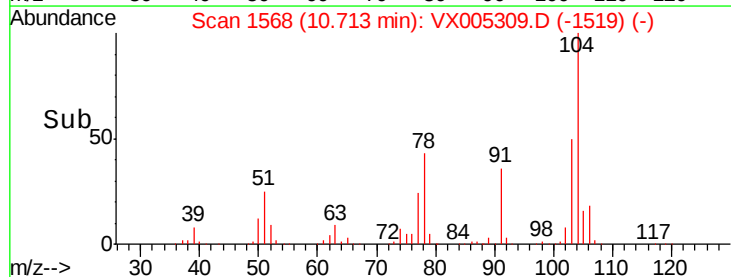
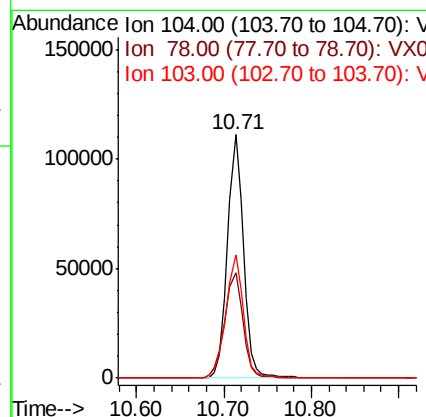
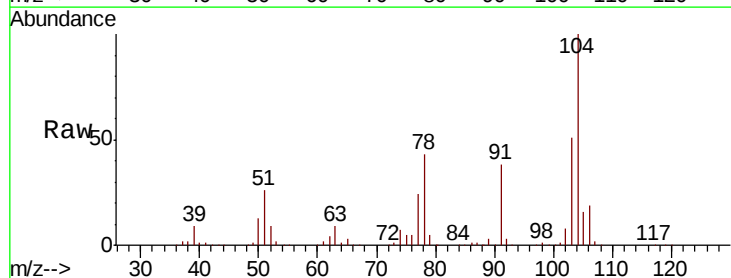
Instrument :
MSVOA_X
ClientSampled :
VX1012MBS01

Tot Ion:106 Resp: 83249
Ion Ratio Lower Upper
106 100
91 215.3 105.1 315.1



#70
Styrene
Concen: 19.589 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion:104 Resp: 141052
Ion Ratio Lower Upper
104 100
78 49.9 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 17.995 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

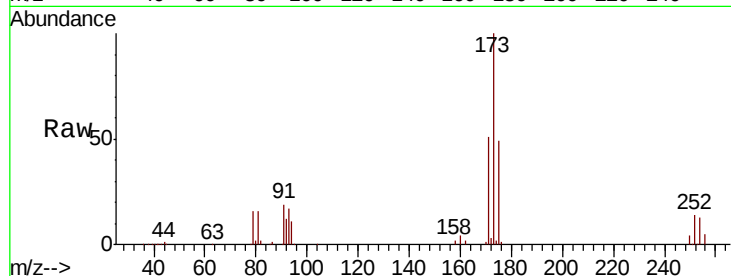
Tot Ion:173 Resp: 41226

Ion Ratio Lower Upper

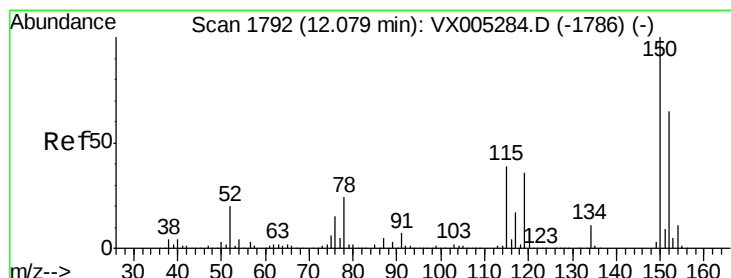
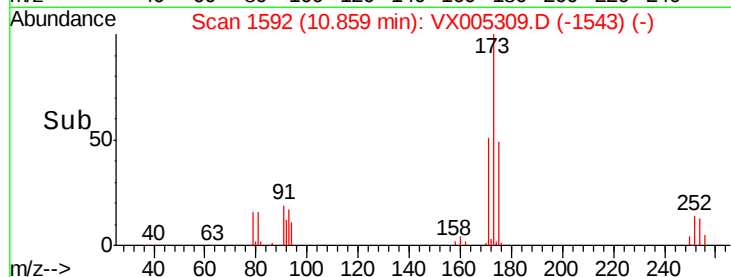
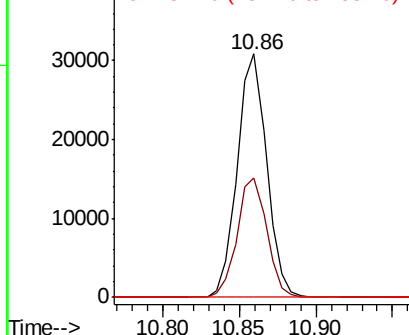
173 100

175 49.7 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: VX005309.D

Acq: 12 Oct 2018 23:11

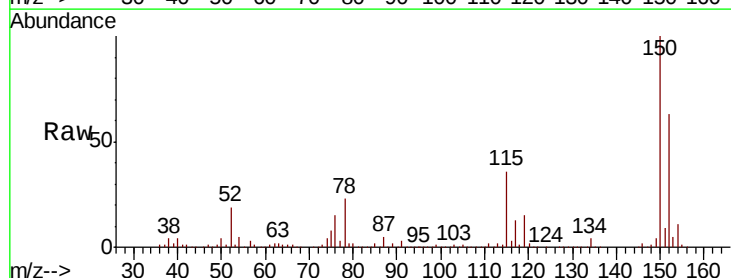
Tgt Ion:152 Resp: 189038

Ion Ratio Lower Upper

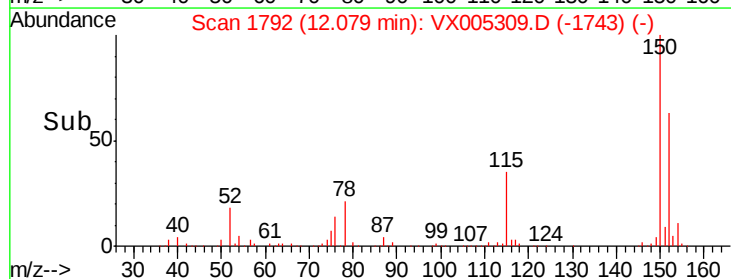
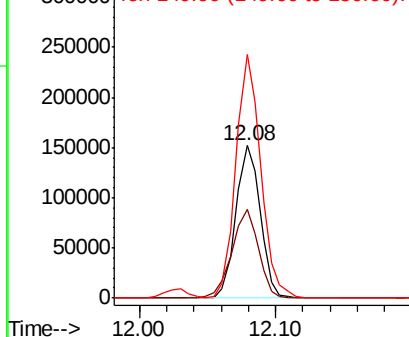
152 100

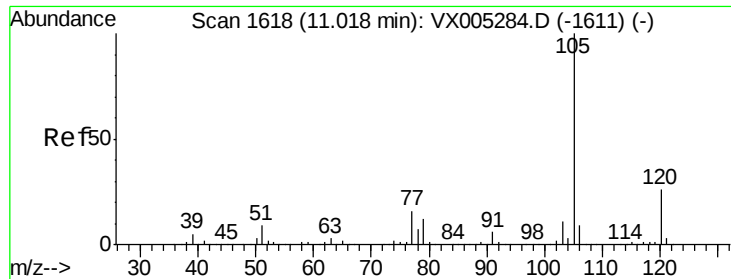
115 63.5 39.0 117.0

150 163.6 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

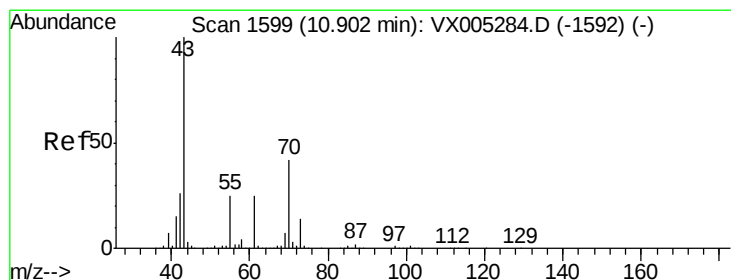
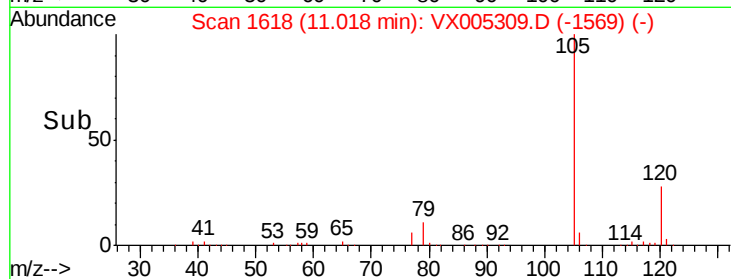
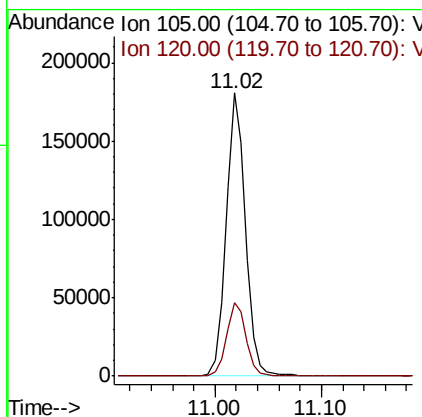
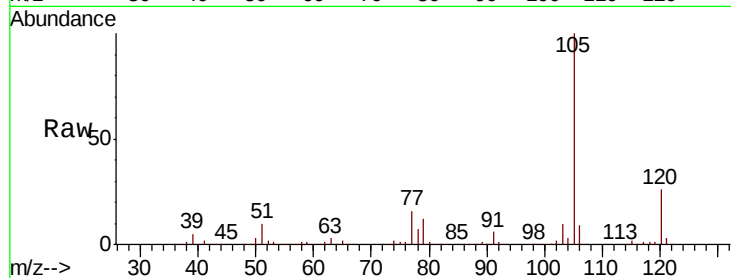




#73
Isopropylbenzene
Concen: 20.359 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

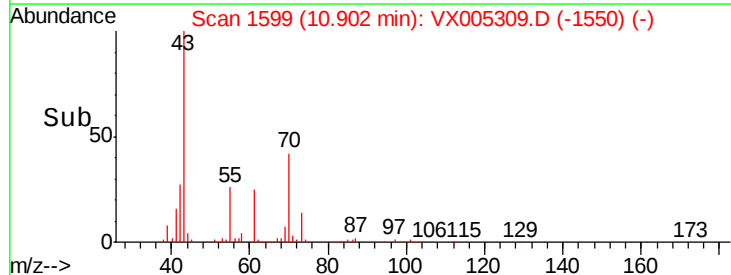
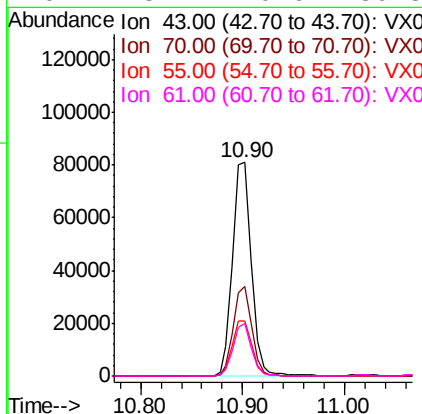
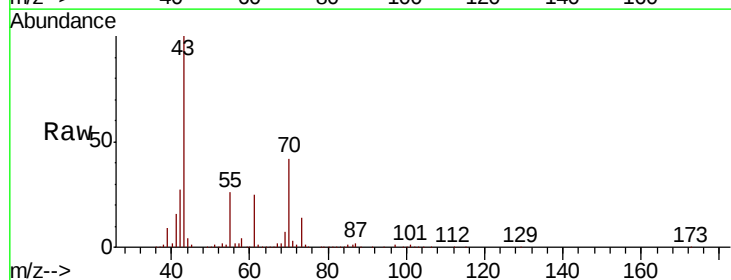
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

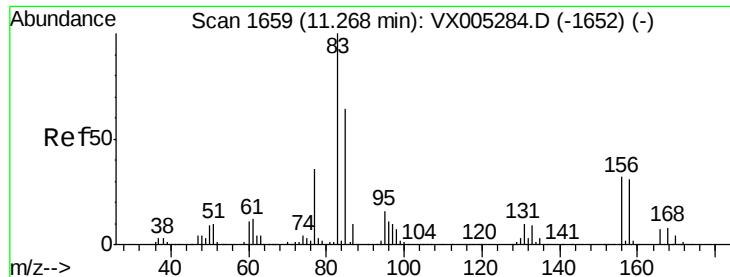
Tot Ion:105 Resp: 228789
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4



#74
N-ethyl acetate
Concen: 19.020 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 43 Resp: 103090
Ion Ratio Lower Upper
43 100
70 41.1 37.4 56.0
55 26.9 21.8 32.8
61 23.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.780 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

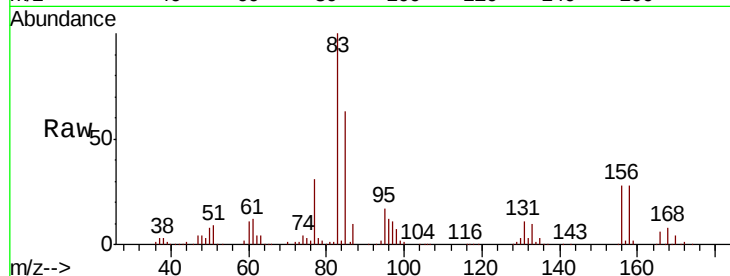
Tot Ion: 83 Resp: 79614

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

85 64.4 32.3 96.8

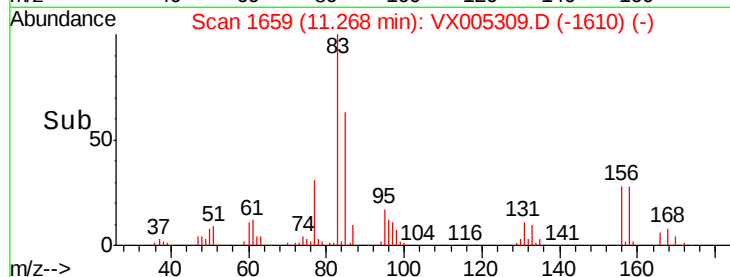


Abundance Ion 82.90 (82.60 to 83.60): VX005284.D (-1652) (-)

Ion 130.80 (130.50 to 131.50): VX005284.D (-1652) (-)

Ion 84.90 (84.60 to 85.60): VX005284.D (-1652) (-)

Time-->

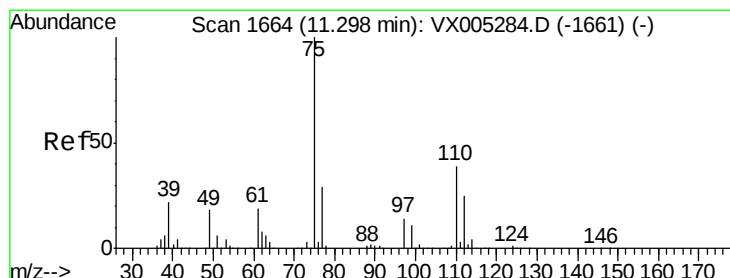


Abundance Ion 82.90 (82.60 to 83.60): VX005309.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX005309.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX005309.D (-1610) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.701 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005309.D

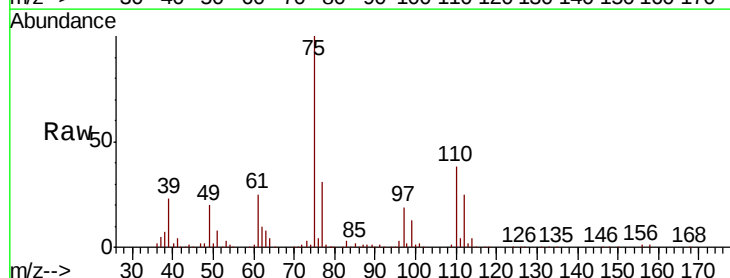
Acq: 12 Oct 2018 23:11

Tgt Ion: 75 Resp: 90575

Ion Ratio Lower Upper

75 100

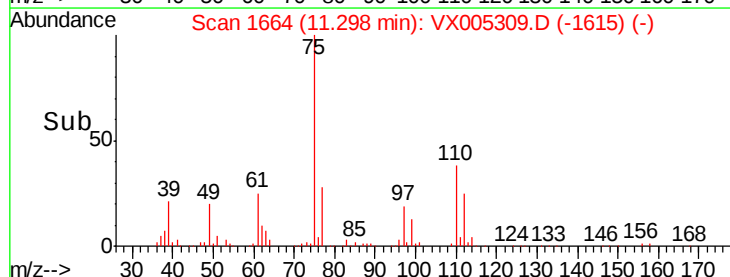
77 32.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-1661) (-)

Ion 77.00 (76.70 to 77.70): VX005284.D (-1661) (-)

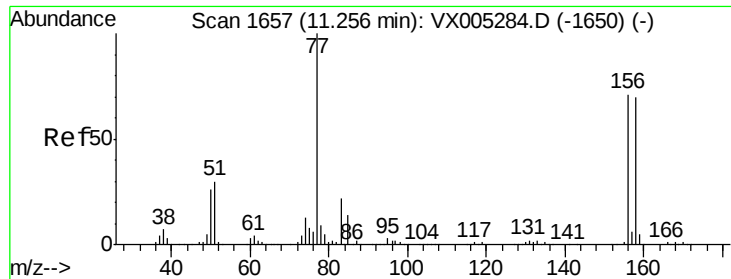
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VX005309.D (-1615) (-)

Ion 77.00 (76.70 to 77.70): VX005309.D (-1615) (-)

Time-->



#77

Bromobenzene

Concen: 19.654 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

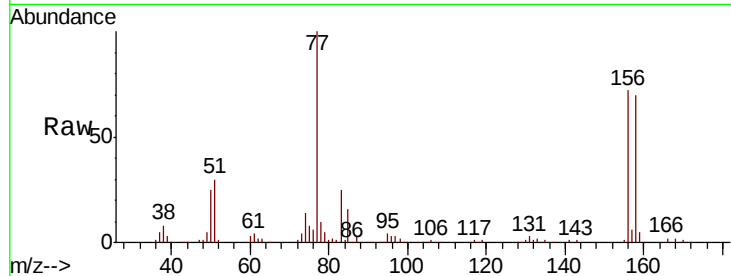
Tot Ion:156 Resp: 63151

Ion Ratio Lower Upper

156 100

77 142.5 71.5 214.3

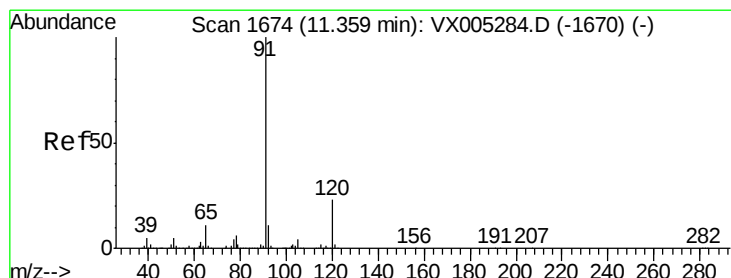
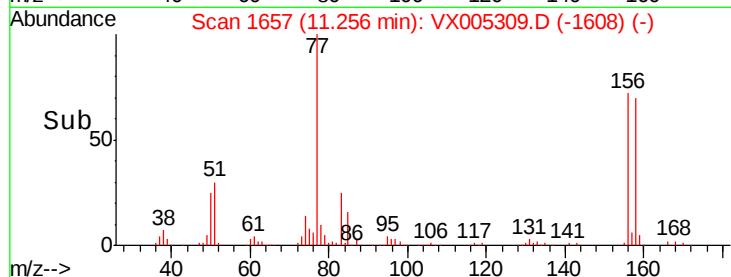
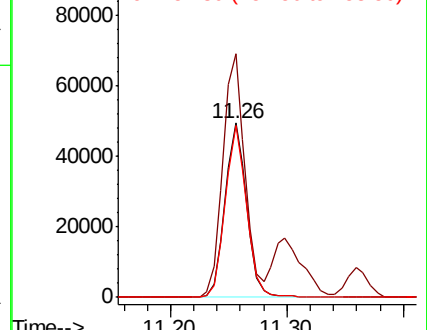
158 97.5 48.9 146.8



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: 20.246 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005309.D

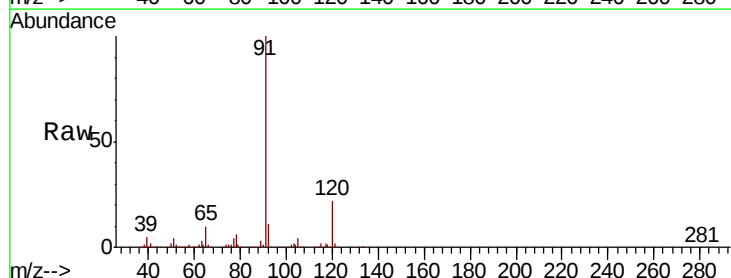
Acq: 12 Oct 2018 23:11

Tgt Ion: 91 Resp: 261817

Ion Ratio Lower Upper

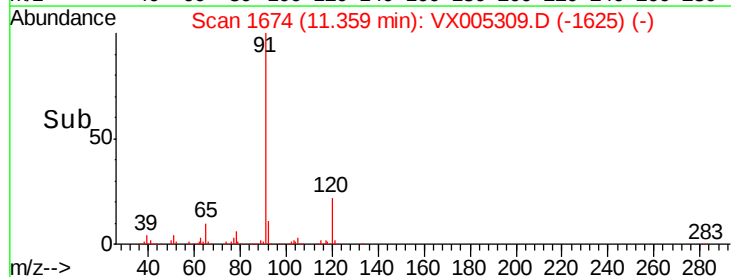
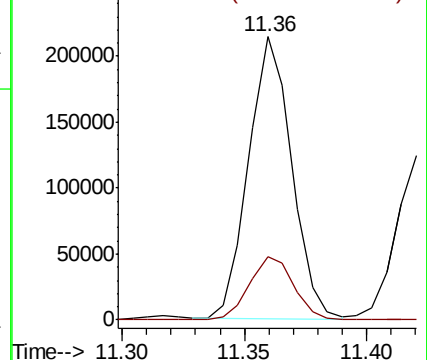
91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

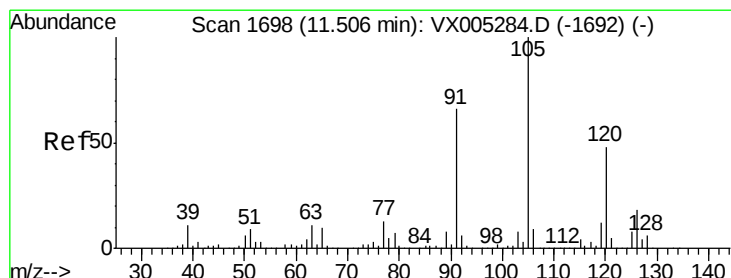
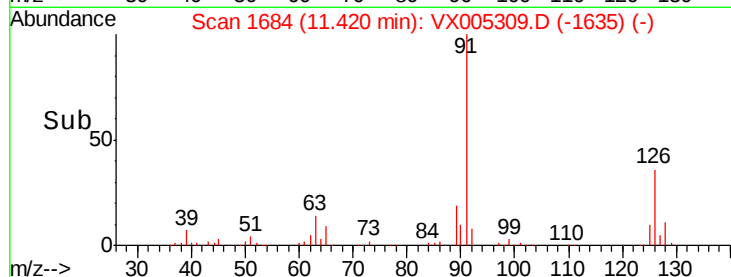
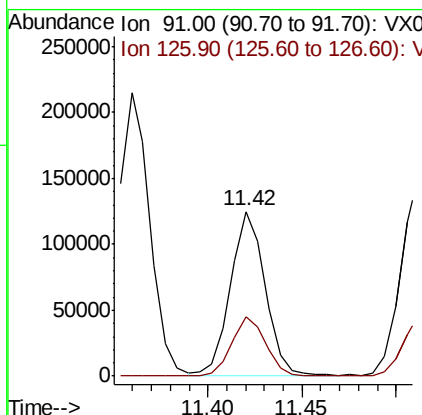
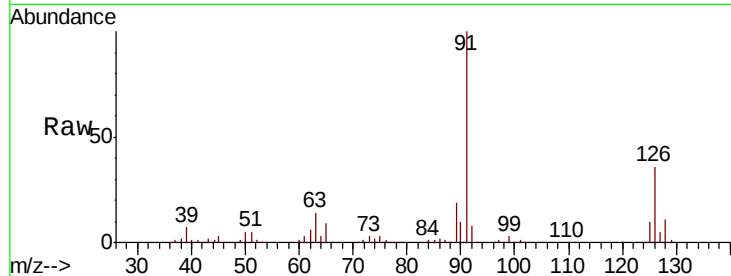




#79
 2-Chlorotoluene
 Concen: 19.934 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

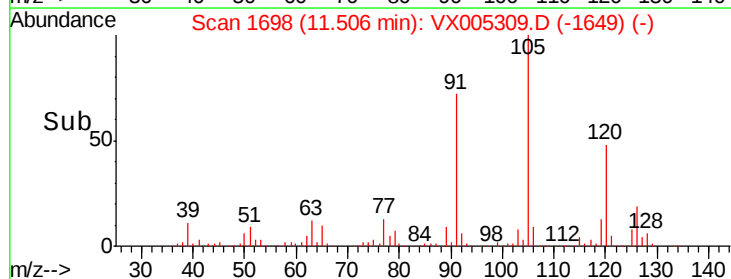
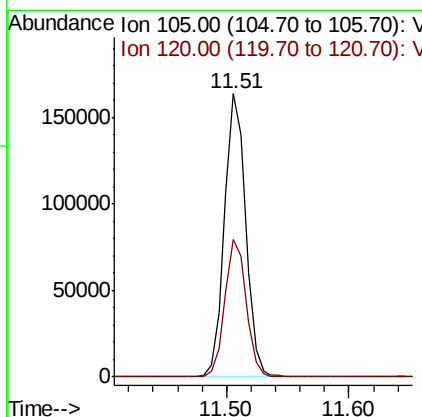
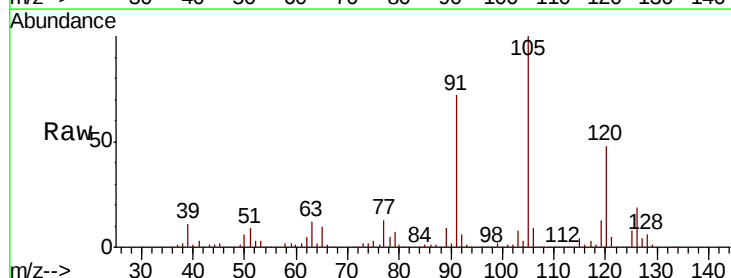
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tot Ion: 91 Resp: 157870
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.394 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion: 105 Resp: 196259
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8

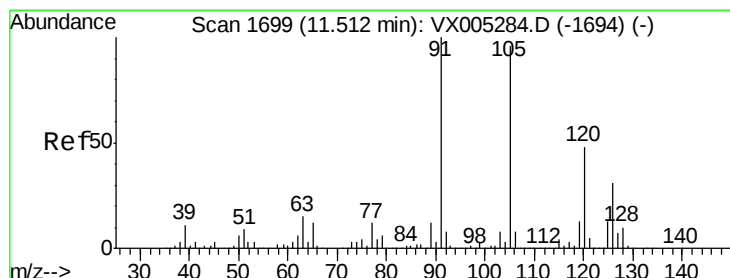
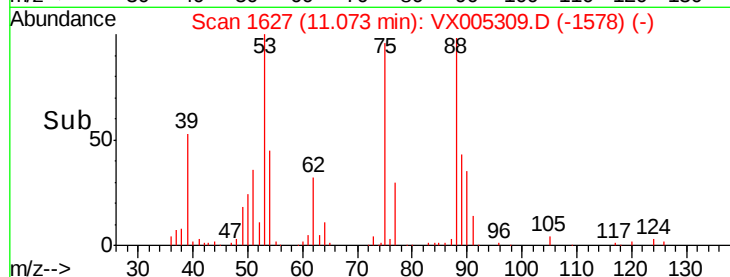
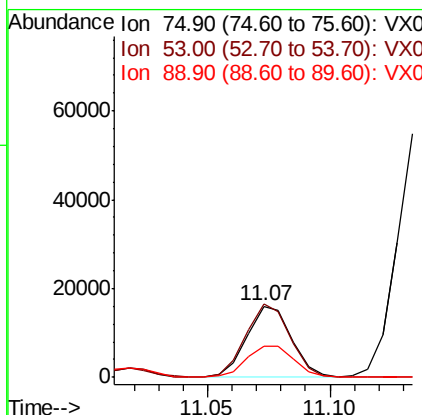
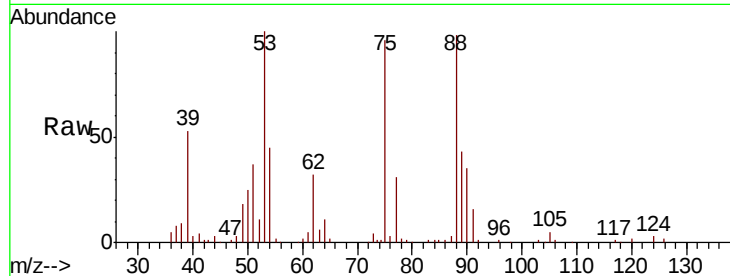




#81
trans-1,4-Dichloro-2-butene
Concen: 16.731 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

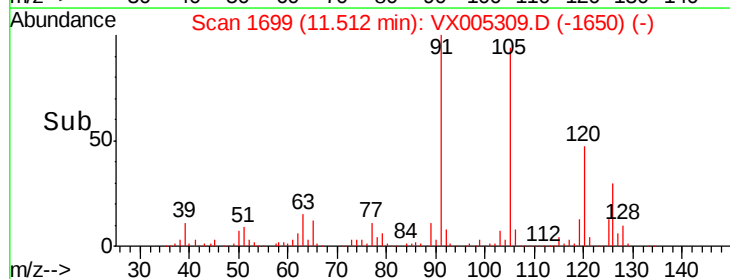
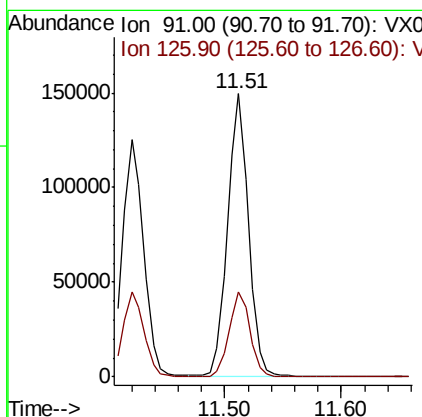
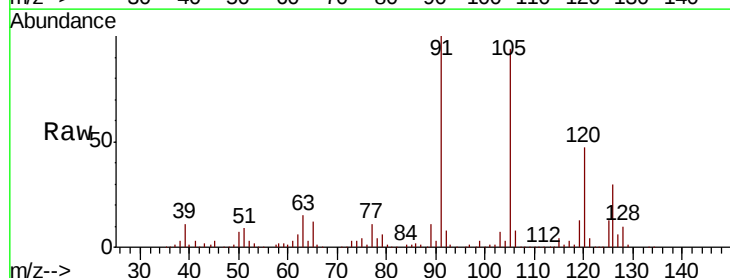
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

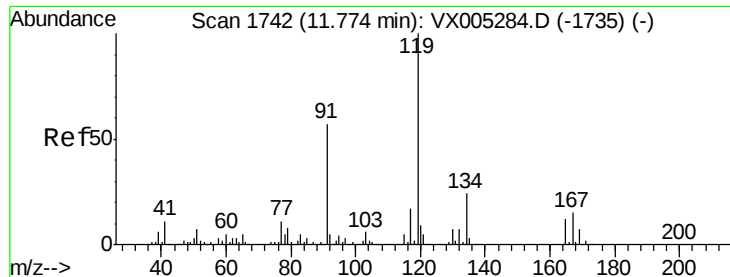
Tot Ion: 75 Resp: 20191
Ion Ratio Lower Upper
75 100
53 103.7 80.1 120.1
89 47.5 37.2 55.8



#82
4-Chlorotoluene
Concen: 19.854 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 91 Resp: 186395
Ion Ratio Lower Upper
91 100
126 30.4 15.5 46.5





#83

tert-Butylbenzene

Concen: 19.440 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

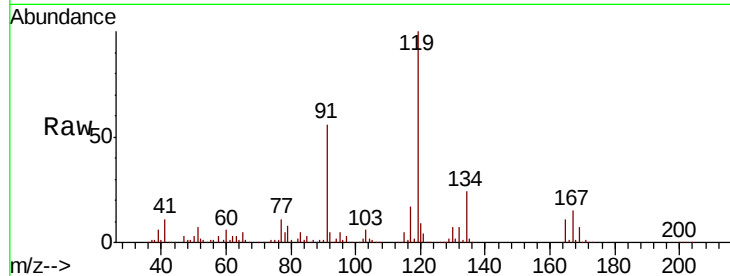
Tot Ion:119 Resp: 189446

Ion Ratio Lower Upper

119 100

91 57.1 27.0 81.0

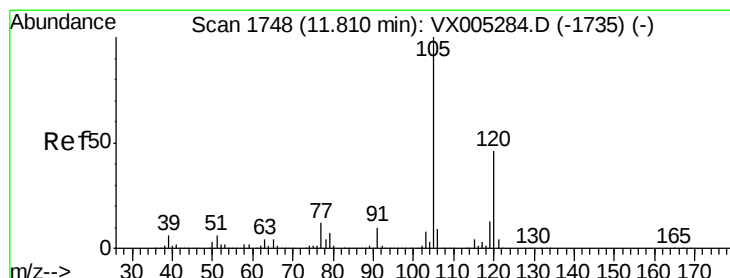
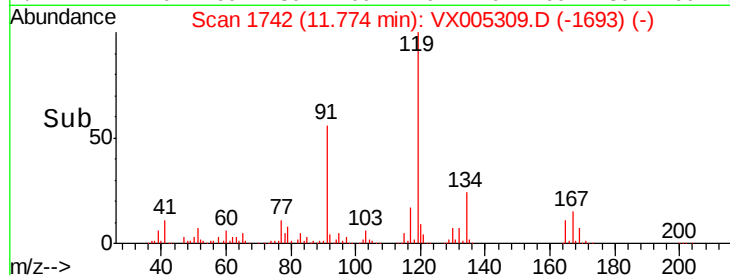
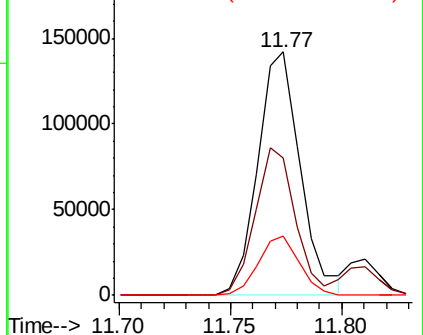
134 23.6 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.376 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005309.D

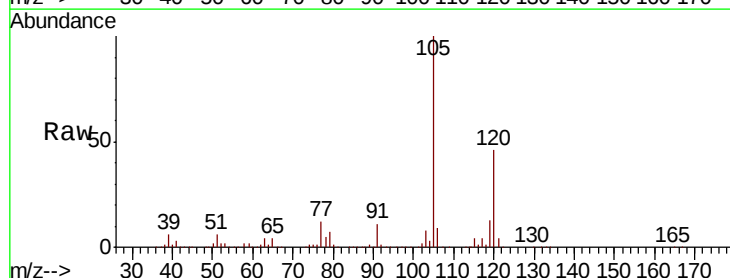
Acq: 12 Oct 2018 23:11

Tgt Ion:105 Resp: 201794

Ion Ratio Lower Upper

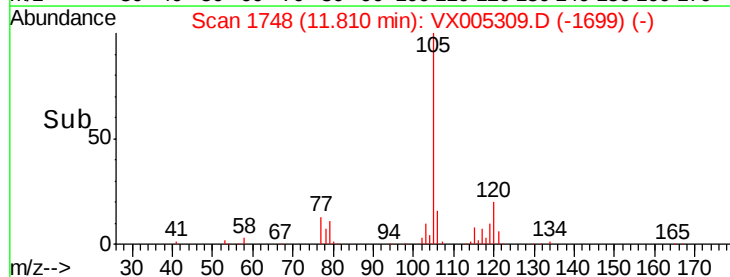
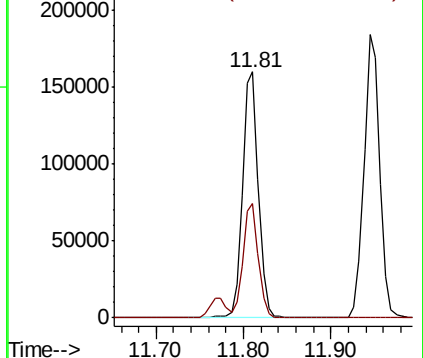
105 100

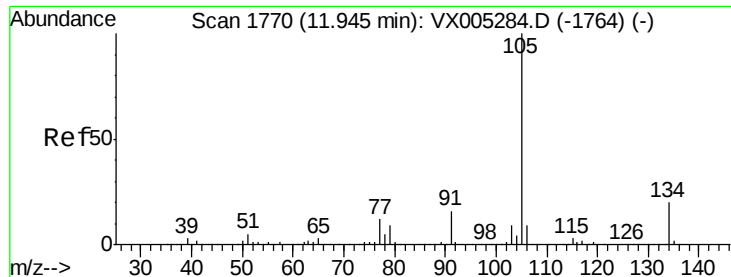
120 45.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.039 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

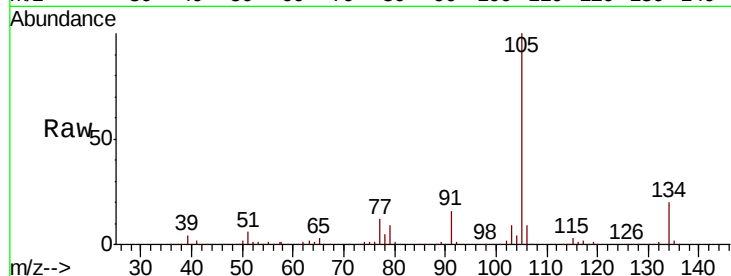
VX1012MBS01

Tot Ion:105 Resp: 231096

Ion Ratio Lower Upper

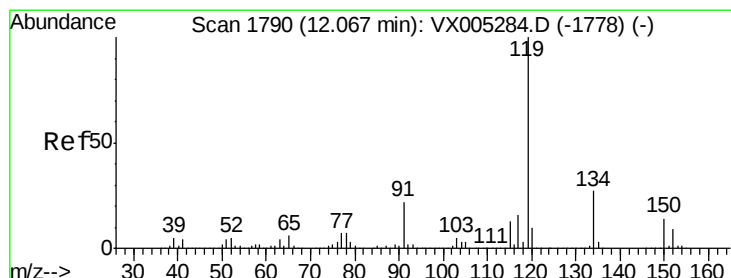
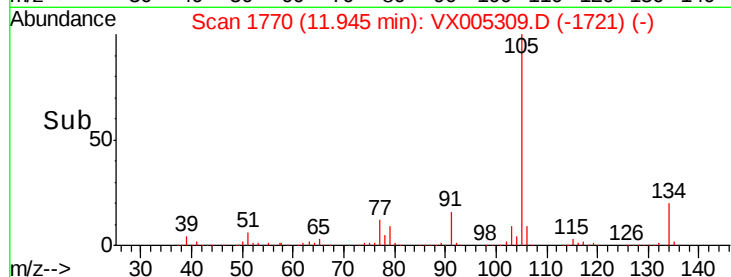
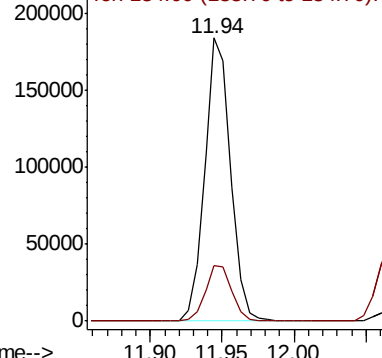
105 100

134 20.3 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: 20.069 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

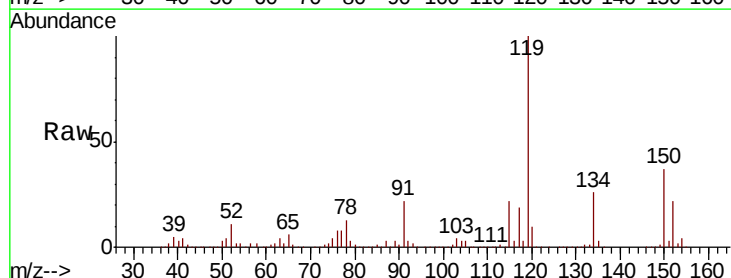
Tgt Ion:119 Resp: 209192

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

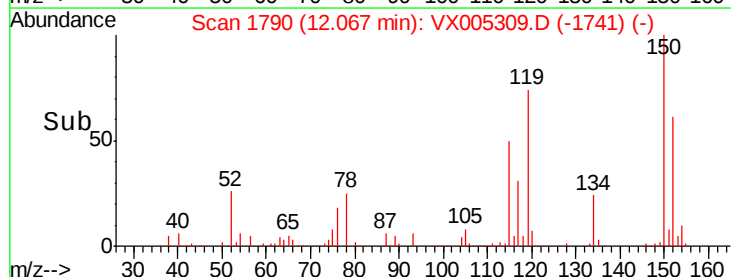
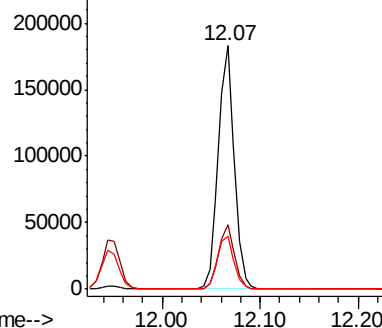
91 22.8 10.9 32.7

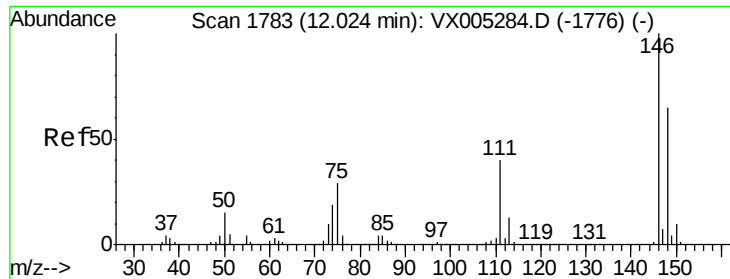


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.360 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

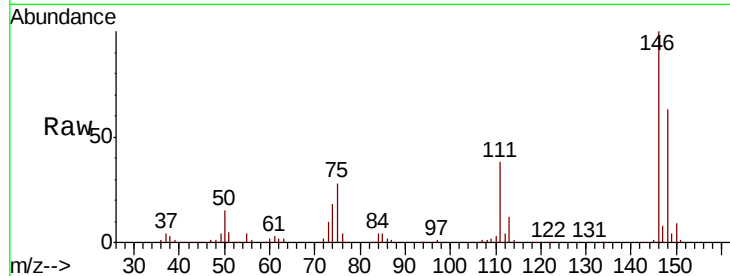
Tot Ion:146 Resp: 116240

Ion Ratio Lower Upper

146 100

111 37.3 18.7 56.1

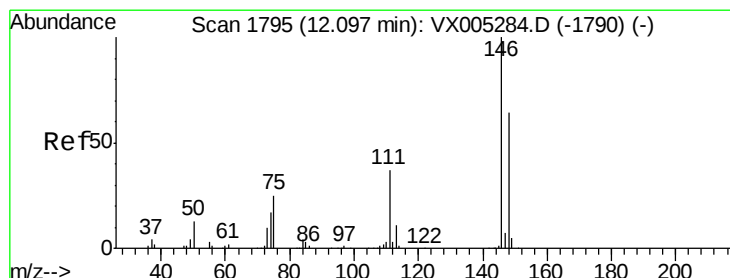
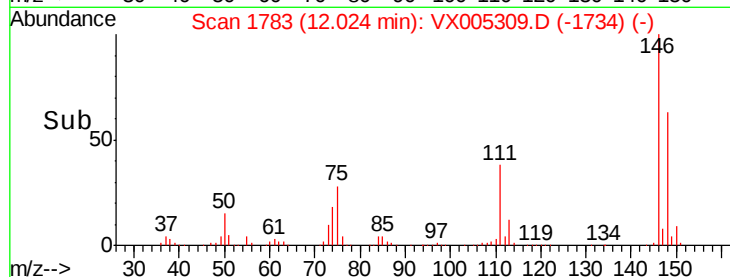
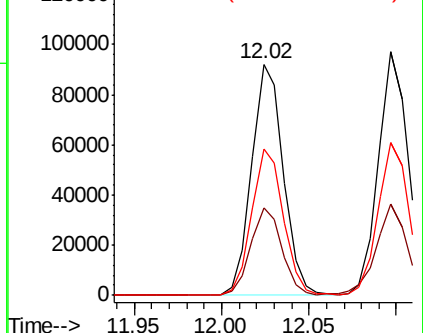
148 63.5 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 18.962 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

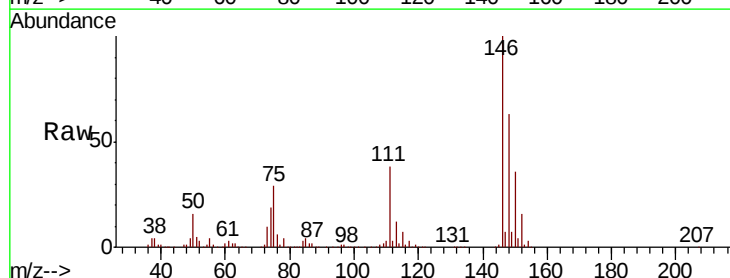
Tgt Ion:146 Resp: 116469

Ion Ratio Lower Upper

146 100

111 38.2 18.1 54.1

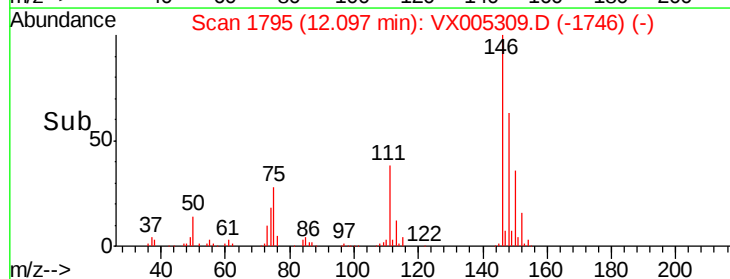
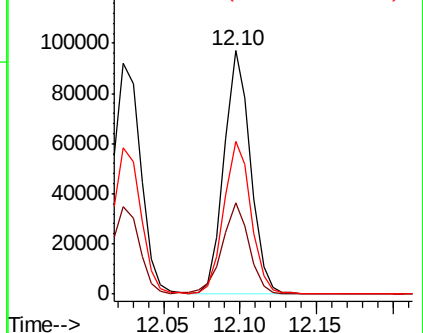
148 64.5 32.0 96.0

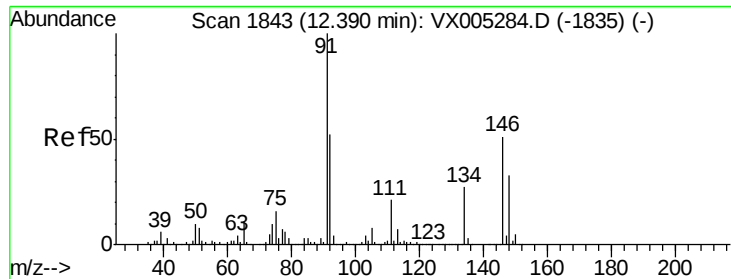


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

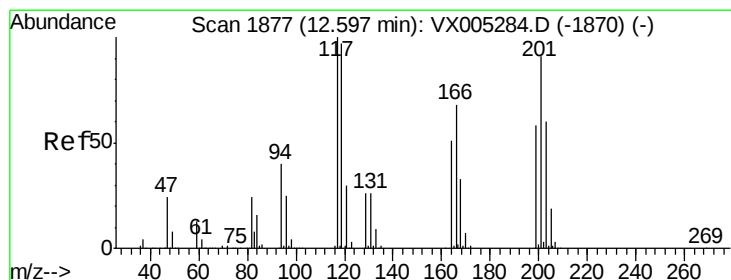
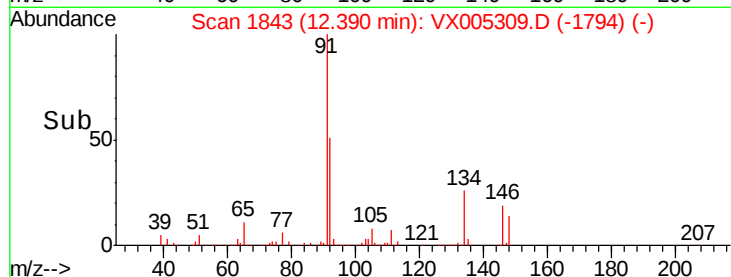
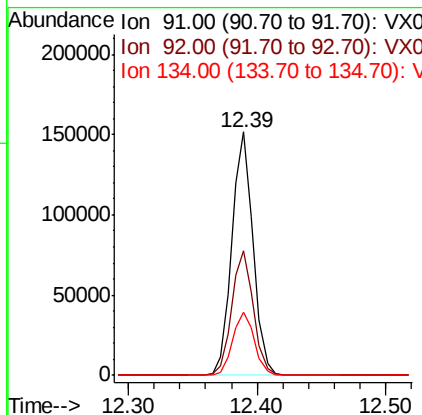
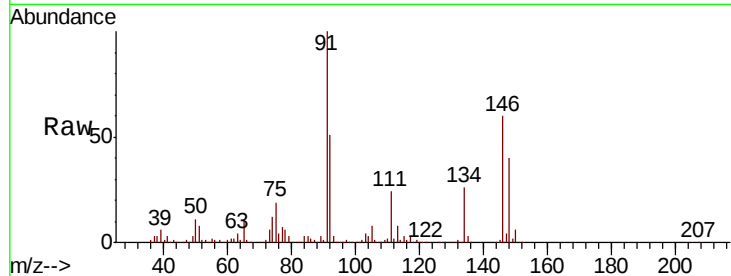




#89
n-Butylbenzene
Concen: 18.524 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

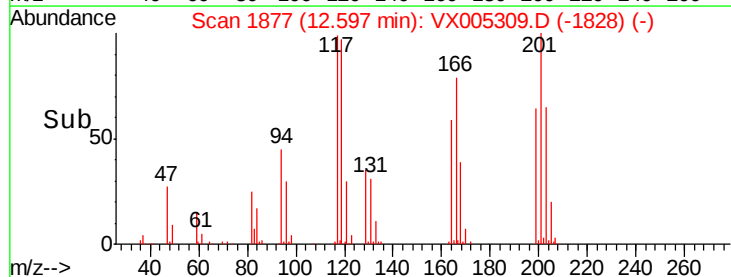
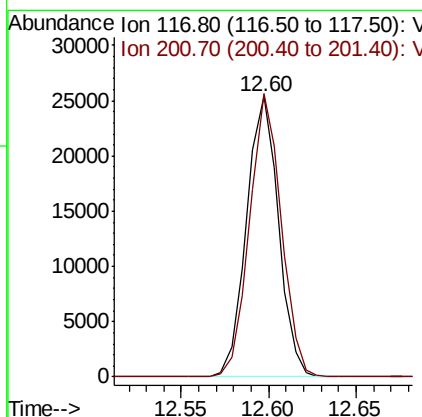
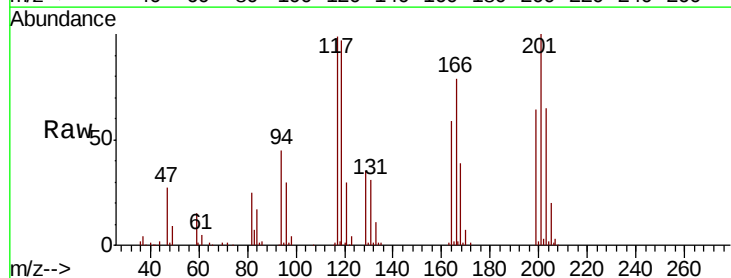
Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

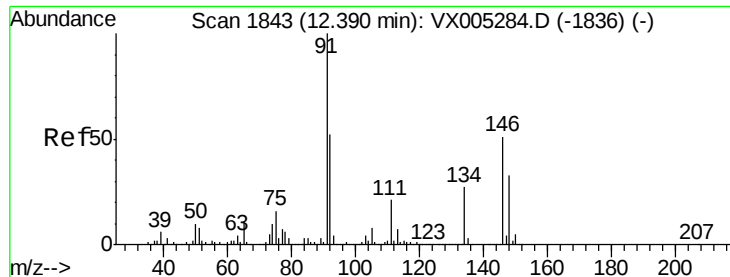
Tot Ion: 91 Resp: 175317
Ion Ratio Lower Upper
91 100
92 51.9 27.3 81.9
134 26.4 13.6 40.7



#90
Hexachloroethane
Concen: 17.971 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 117 Resp: 32284
Ion Ratio Lower Upper
117 100
201 100.0 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 18.979 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

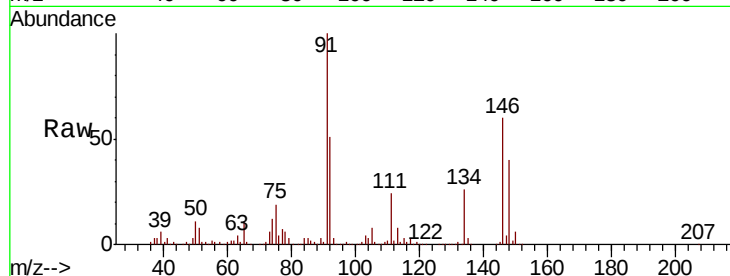
Tot Ion:146 Resp: 116284

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.1

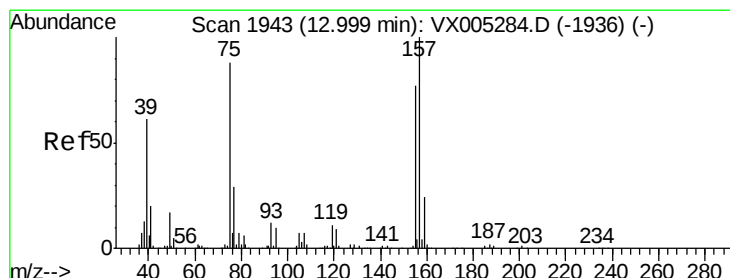
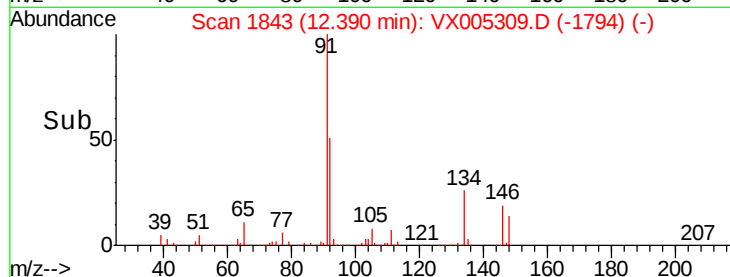
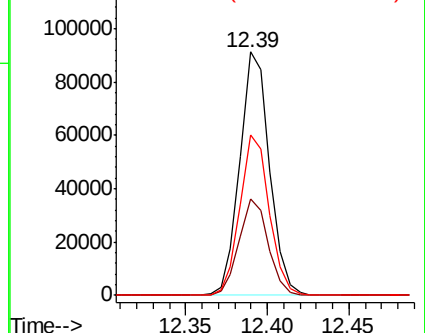
148 65.0 32.8 98.3



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: 18.545 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

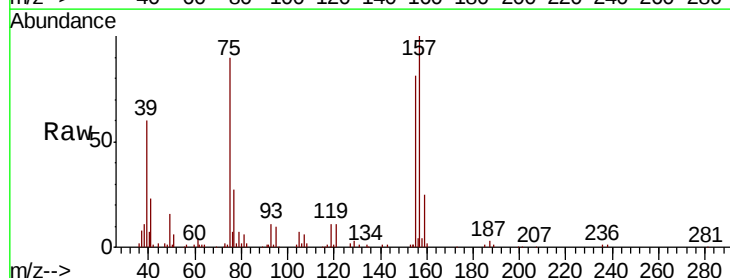
Tgt Ion: 75 Resp: 19177

Ion Ratio Lower Upper

75 100

155 94.0 48.0 144.2

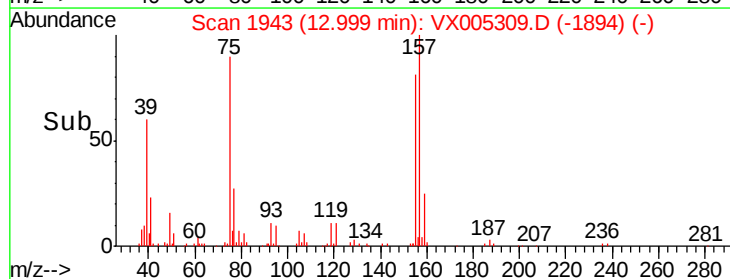
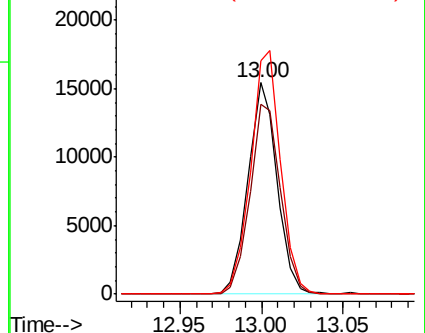
157 118.5 61.4 184.1

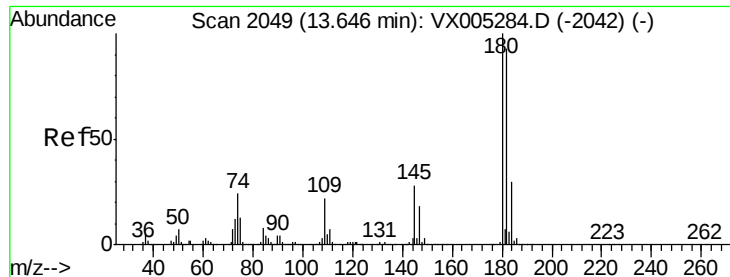


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

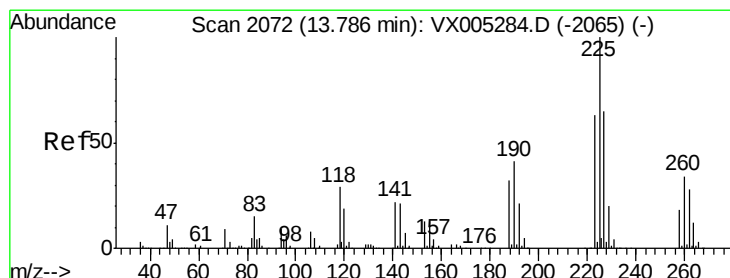
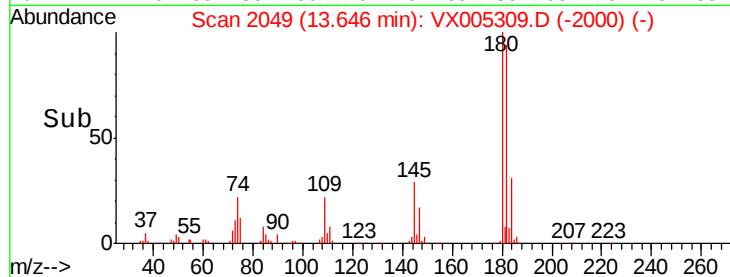
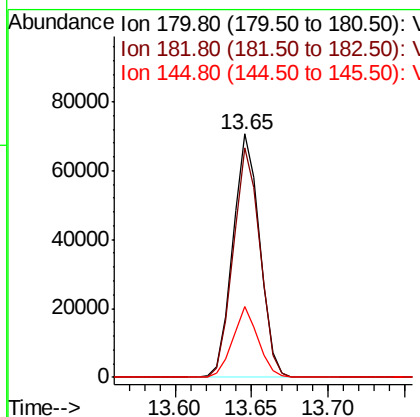
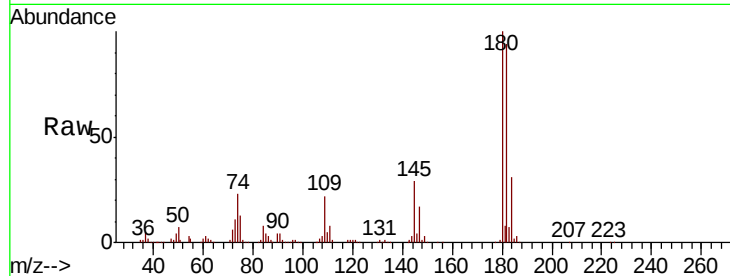




#93
 1,2,4-Trichlorobenzene
 Concen: 18.989 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

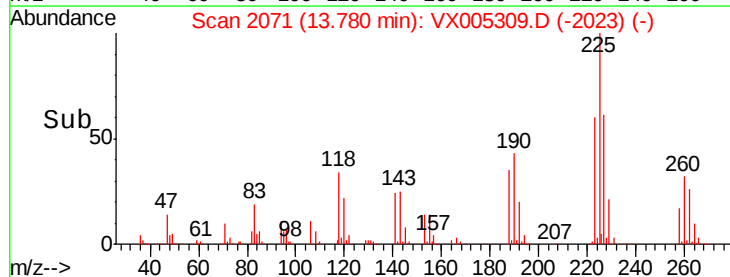
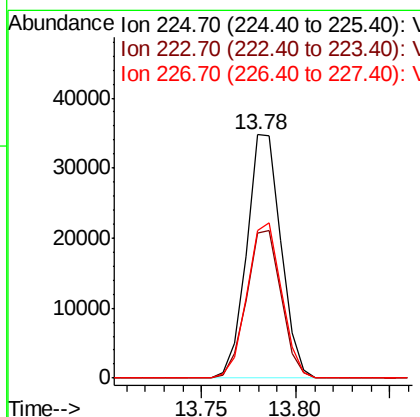
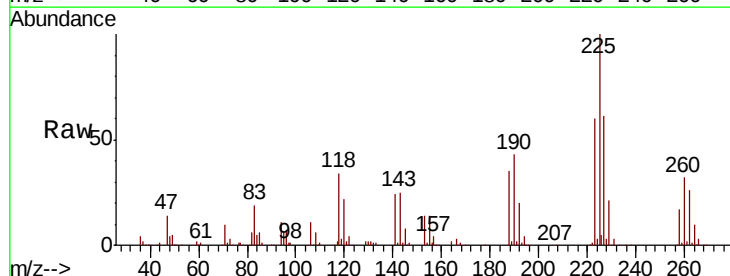
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

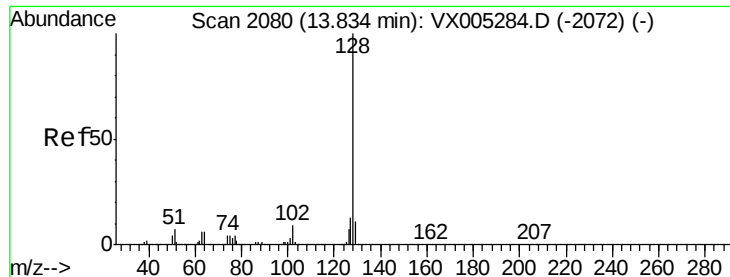
Tot Ion:180 Resp: 85362
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.4 145.0
 145 27.7 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 18.516 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion:225 Resp: 43960
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.1 90.5
 227 63.9 30.8 92.4





#95

Naphthalene

Concen: 19.838 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

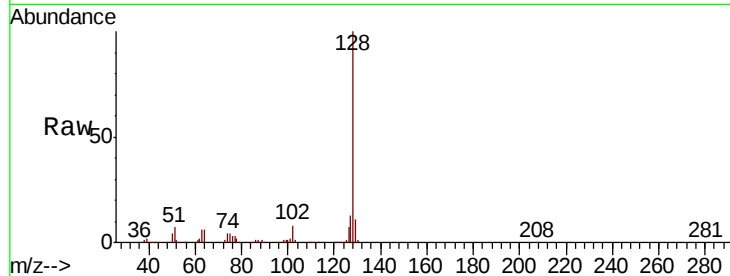
Tot Ion:128 Resp: 258620

Ion Ratio Lower Upper

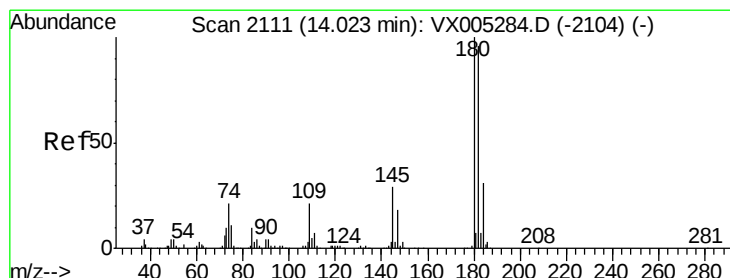
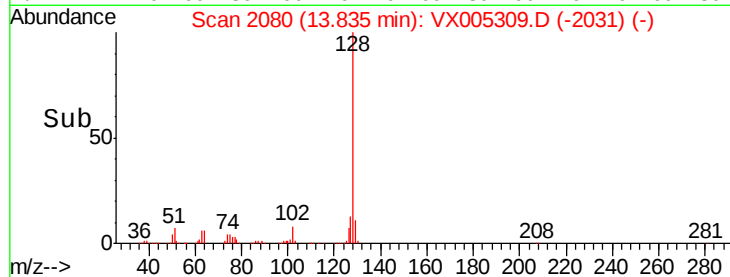
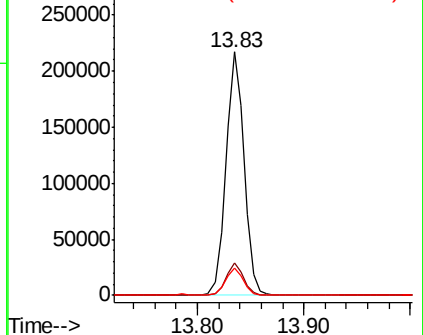
128 100

127 12.9 10.2 15.2

129 11.0 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: 19.484 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

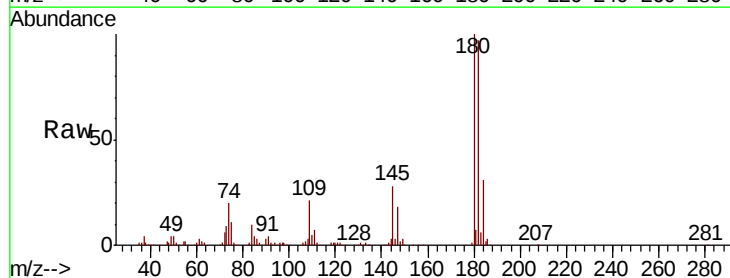
Tgt Ion:180 Resp: 89616

Ion Ratio Lower Upper

180 100

182 96.2 48.5 145.6

145 28.9 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

