

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005900.D
 Acq On : 12 Nov 2018 15:08
 Operator : JC/MD
 Sample : VX1112WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

Quant Time: Nov 13 04:41:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	117716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	168468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	155509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	84456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	69269	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
35) Dibromofluoromethane	5.50	113	55793	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	209307	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
62) 4-Bromofluorobenzene	11.14	95	77510	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	19625	18.491	ug/l	99
3) Chloromethane	1.32	50	25941	18.624	ug/l	99
4) Vinyl Chloride	1.41	62	26405	18.884	ug/l	97
5) Bromomethane	1.64	94	16506	19.289	ug/l	91
6) Chloroethane	1.72	64	16255	19.483	ug/l	98
7) Trichlorofluoromethane	1.93	101	36653	19.747	ug/l	98
8) Diethyl Ether	2.19	74	15127	20.799	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	21172	19.833	ug/l	98
10) Methyl Iodide	2.51	142	24440	18.890	ug/l	96
11) Tert butyl alcohol	3.06	59	38123	98.338	ug/l	99
12) 1,1-Dichloroethene	2.37	96	19974	19.197	ug/l	97
13) Acrolein	2.29	56	26743	152.750	ug/l	97
14) Allyl chloride	2.73	41	46021	19.804	ug/l	97
15) Acrylonitrile	3.15	53	82813	103.077	ug/l	98
16) Acetone	2.45	43	69673	95.619	ug/l	98
17) Carbon Disulfide	2.57	76	58289	18.781	ug/l	99
18) Methyl Acetate	2.78	43	43321	21.335	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	74784	21.059	ug/l	99
20) Methylene Chloride	2.85	84	23480	19.617	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	21778	19.844	ug/l	99
22) Diisopropyl ether	3.87	45	79385	19.501	ug/l	# 95
23) Vinyl Acetate	3.82	43	343372	98.377	ug/l	100
24) 1,1-Dichloroethane	3.70	63	43941	20.232	ug/l	99
25) 2-Butanone	4.70	43	111059	96.948	ug/l	99
26) 2,2-Dichloropropane	4.57	77	32181	20.199	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	23837	19.671	ug/l	98
28) Bromochloromethane	5.02	49	20366	20.982	ug/l	96
29) Tetrahydrofuran	5.15	42	72542	98.625	ug/l	97
30) Chloroform	5.21	83	39989	19.085	ug/l	96
31) Cyclohexane	5.58	56	36834	19.538	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	34470	19.723	ug/l	100
36) 1,1-Dichloropropene	5.80	75	28785	17.724	ug/l	98
37) Ethyl Acetate	4.85	43	40721	19.067	ug/l	100
38) Carbon Tetrachloride	5.78	117	29784	18.319	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Nov 13 04:41:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	33990	20.650	ug/l	97
40) Benzene	6.15	78	89845	18.977	ug/l	94
41) Methacrylonitrile	5.06	41	21572	18.693	ug/l	98
42) 1,2-Dichloroethane	6.20	62	32061	18.906	ug/l	98
43) Isopropyl Acetate	6.46	43	62632	20.239	ug/l	99
44) Trichloroethene	7.21	130	23960	19.928	ug/l	99
45) 1,2-Dichloropropane	7.52	63	24089	20.962	ug/l	99
46) Dibromomethane	7.66	93	15338	21.270	ug/l	99
47) Bromodichloromethane	7.90	83	28780	21.118	ug/l	97
48) Methyl methacrylate	7.77	41	30138	21.689	ug/l	98
49) 1,4-Dioxane	7.75	88	12869	429.786	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	202841	104.002	ug/l	99
52) Toluene	8.79	92	55017	20.792	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	31613	19.657	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	35036	21.374	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	22893	19.413	ug/l	97
56) Ethyl methacrylate	9.18	69	34649	19.637	ug/l	99
57) 1,3-Dichloropropane	9.37	76	38137	19.244	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	103637	112.497	ug/l	100
59) 2-Hexanone	9.49	43	160095	93.124	ug/l	100
60) Dibromochloromethane	9.59	129	22841	17.921	ug/l	99
61) 1,2-Dibromoethane	9.67	107	23785	18.240	ug/l	100
64) Tetrachloroethene	9.34	164	26339	19.894	ug/l	99
65) Chlorobenzene	10.14	112	61870	19.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	22341	20.627	ug/l	99
67) Ethyl Benzene	10.25	91	104103	20.839	ug/l	99
68) m/p-Xylenes	10.36	106	80684	42.343	ug/l	100
69) o-Xylene	10.70	106	38614	22.599	ug/l	100
70) Styrene	10.71	104	64012	22.710	ug/l	99
71) Bromoform	10.86	173	18398	20.264	ug/l	# 97
73) Isopropylbenzene	11.02	105	106091	21.722	ug/l	100
74) N-amyl acetate	10.90	43	50510	19.221	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	36211	20.200	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	43596	25.351	ug/l	85
77) Bromobenzene	11.26	156	28202	20.487	ug/l	99
78) n-propylbenzene	11.36	91	121468	21.103	ug/l	100
79) 2-Chlorotoluene	11.42	91	73329	21.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	89879	21.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	10707	19.843	ug/l	98
82) 4-Chlorotoluene	11.51	91	86879	21.189	ug/l	99
83) tert-Butylbenzene	11.77	119	87033	20.728	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	92596	20.145	ug/l	100
85) sec-Butylbenzene	11.94	105	107436	20.924	ug/l	100
86) p-Isopropyltoluene	12.07	119	96577	21.235	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	52345	19.813	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	53459	19.767	ug/l	99
89) n-Butylbenzene	12.39	91	83973	19.922	ug/l	100
90) Hexachloroethane	12.60	117	14421	18.992	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	52020	19.655	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8636	19.742	ug/l	95

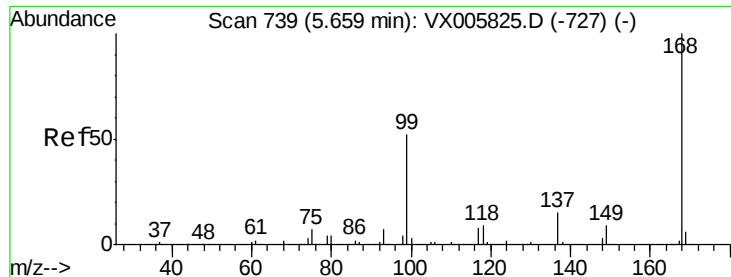
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	38763	20.805	ug/l	99
94) Hexachlorobutadiene	13.78	225	19073	19.488	ug/l	100
95) Naphthalene	13.83	128	121338	20.677	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	39940	21.042	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

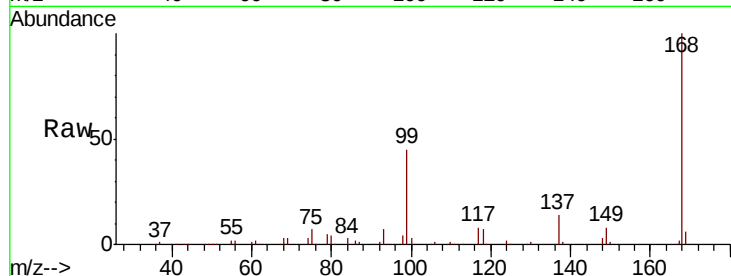
VX1112WBS01

Tot Ion:168 Resp: 117716

Ion Ratio Lower Upper

168 100

99 45.5 40.7 61.1

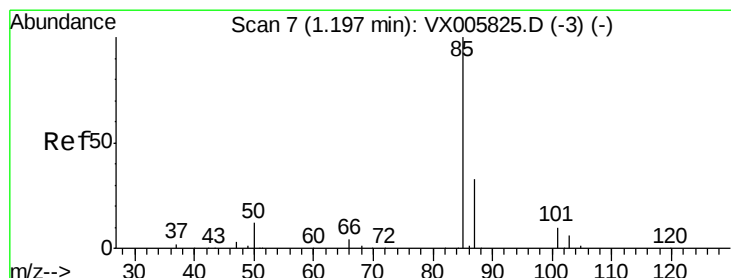
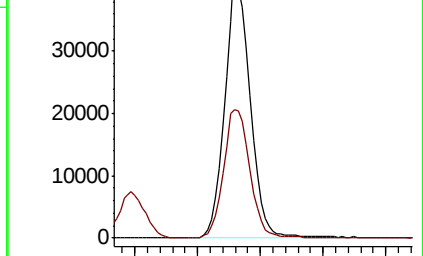
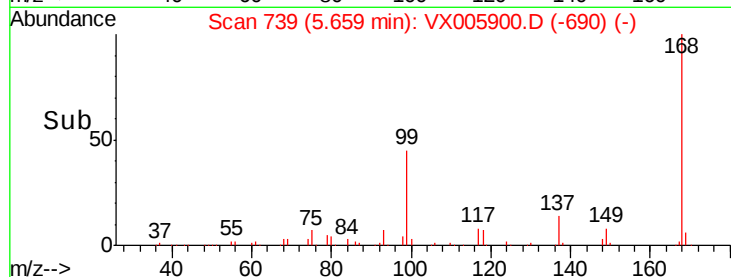


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 18.491 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005900.D

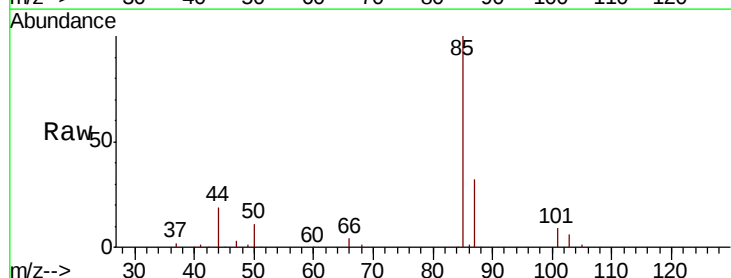
Acq: 12 Nov 2018 15:08

Tgt Ion: 85 Resp: 19625

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9

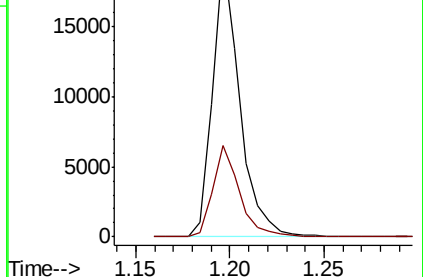
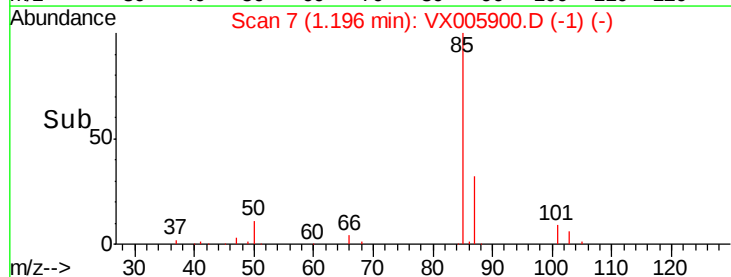


Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 18.624 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

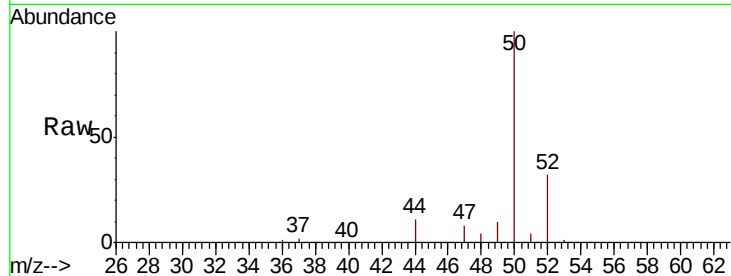
VX1112WBS01

Tot Ion: 50 Resp: 25941

Ion Ratio Lower Upper

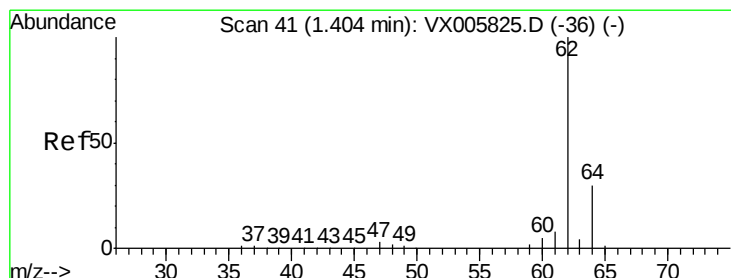
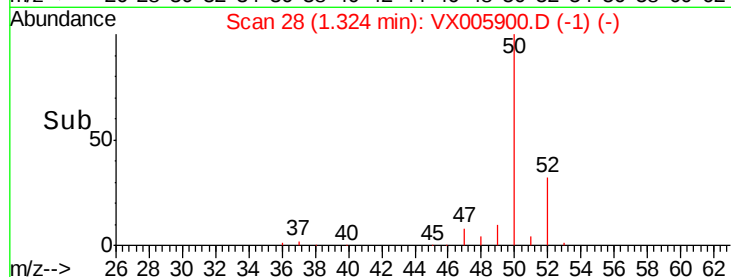
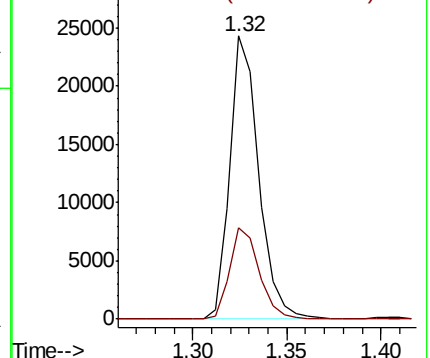
50 100

52 32.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.884 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005900.D

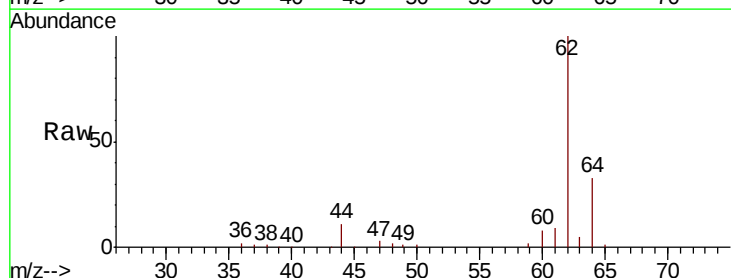
Acq: 12 Nov 2018 15:08

Tgt Ion: 62 Resp: 26405

Ion Ratio Lower Upper

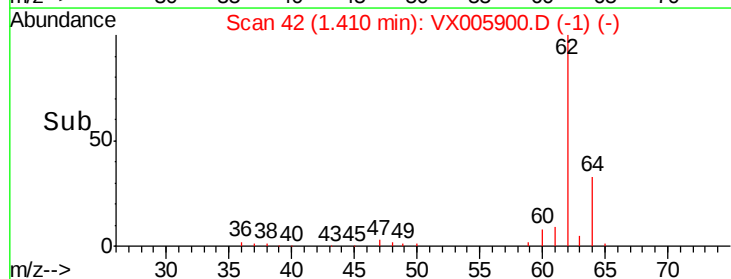
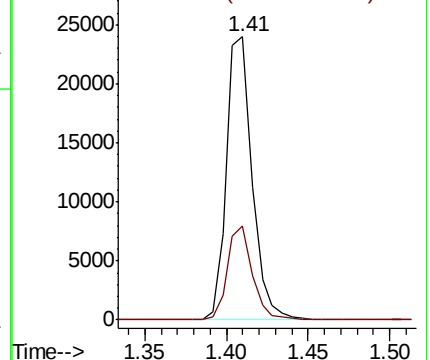
62 100

64 33.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.289 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

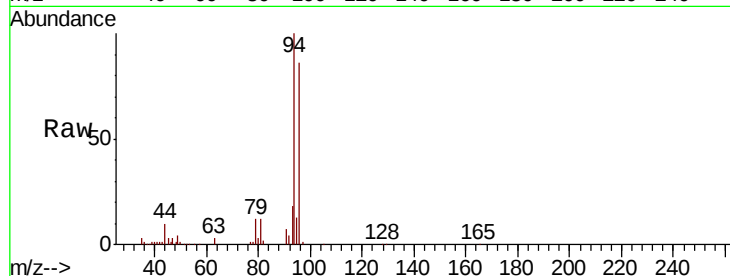
VX1112WBS01

Tot Ion: 94 Resp: 16506

Ion Ratio Lower Upper

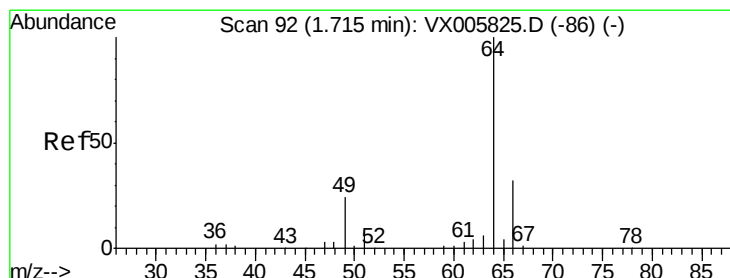
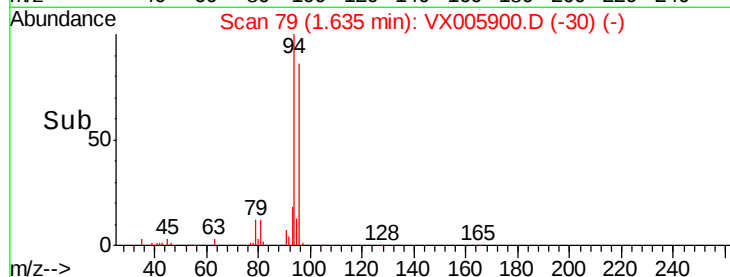
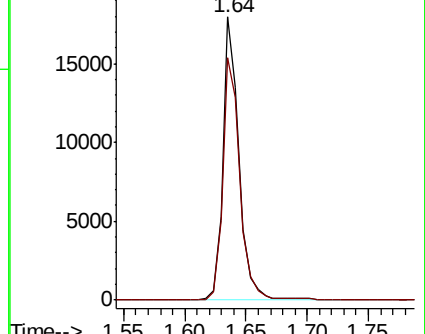
94 100

96 85.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.483 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005900.D

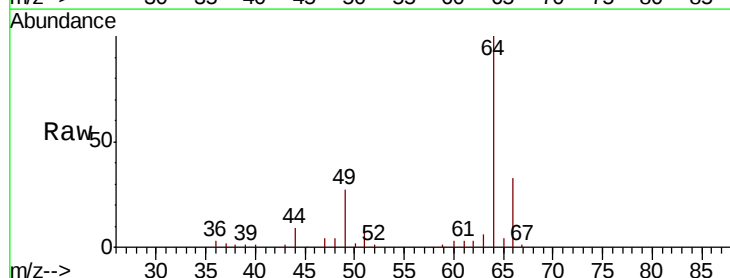
Acq: 12 Nov 2018 15:08

Tgt Ion: 64 Resp: 16255

Ion Ratio Lower Upper

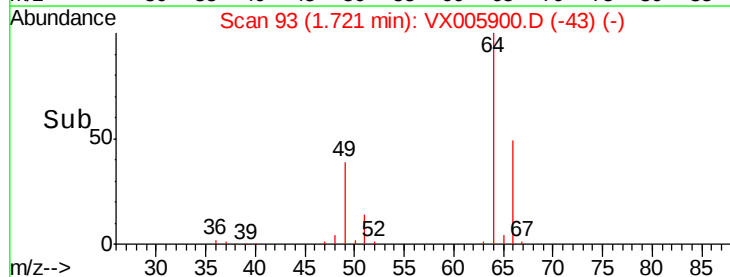
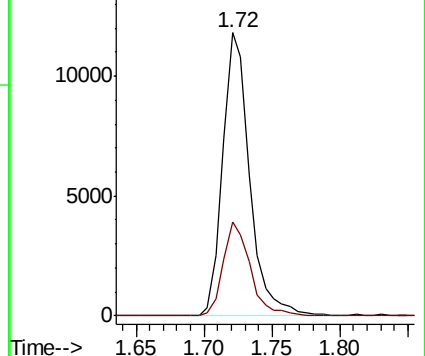
64 100

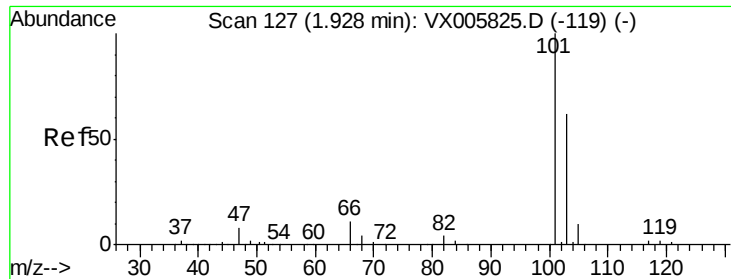
66 33.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



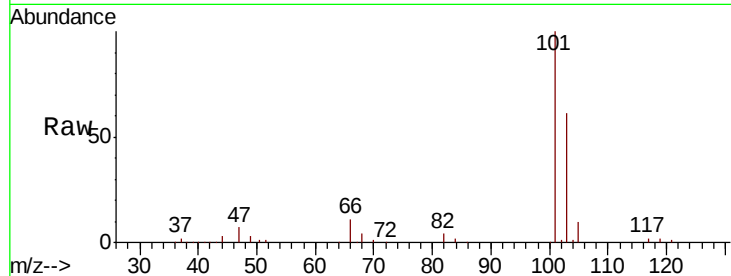


#7

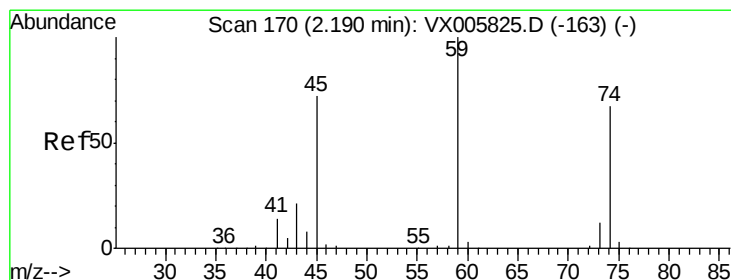
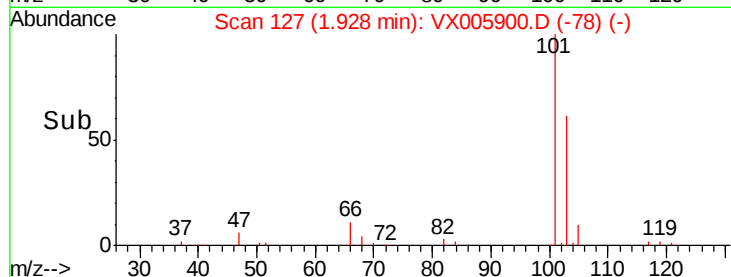
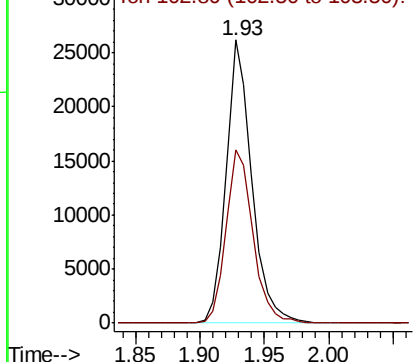
Trichlorofluoromethane
Concen: 19.747 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

Tot Ion:101 Resp: 36653
Ion Ratio Lower Upper
101 100
103 61.1 50.0 75.0



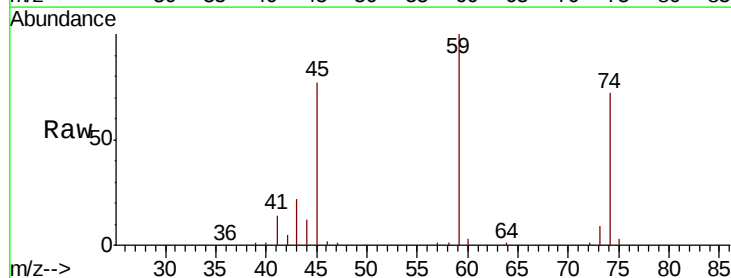
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



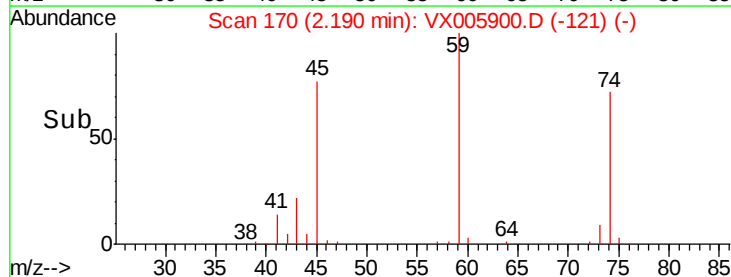
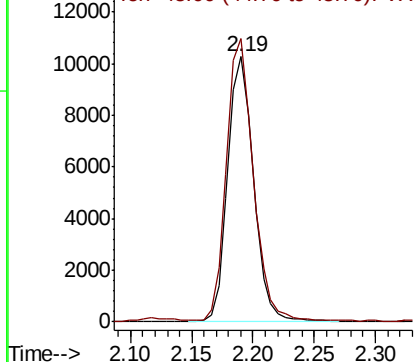
#8

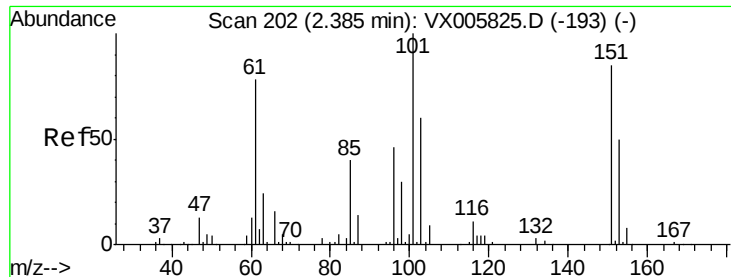
Diethyl Ether
Concen: 20.799 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 74 Resp: 15127
Ion Ratio Lower Upper
74 100
45 111.7 54.1 162.3



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

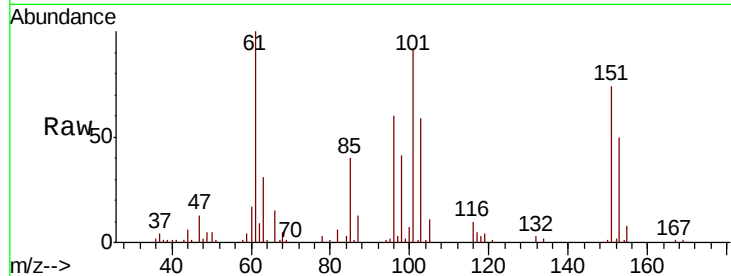




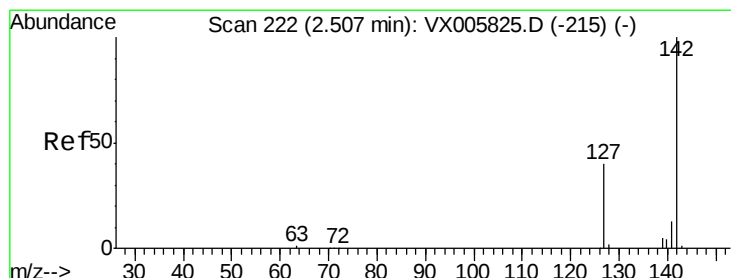
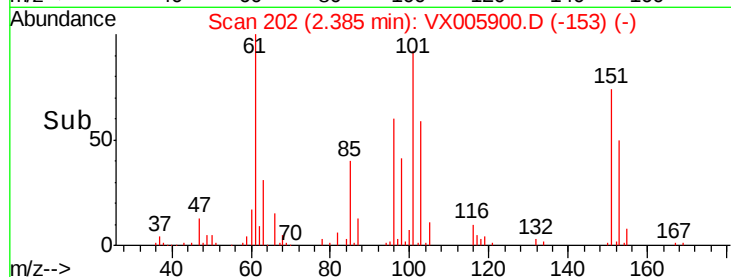
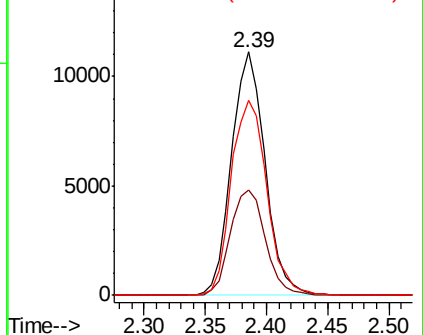
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.833 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

Tot Ion:101 Resp: 21172
 Ion Ratio Lower Upper
 101 100
 85 44.9 35.0 52.4
 151 85.0 66.2 99.2

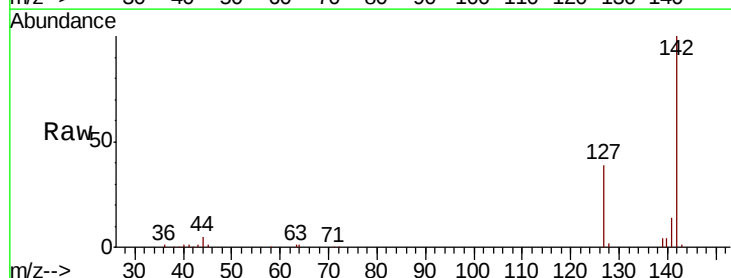


Abundance Ion 100.90 (100.60 to 101.60): V
 15000 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

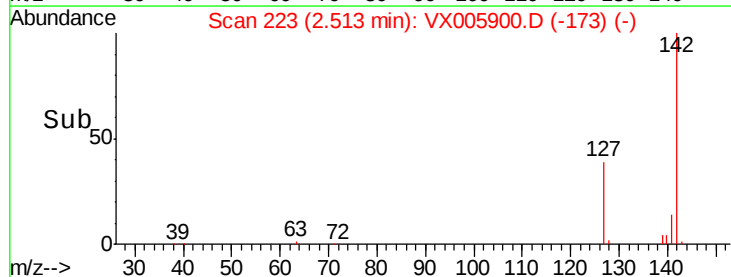
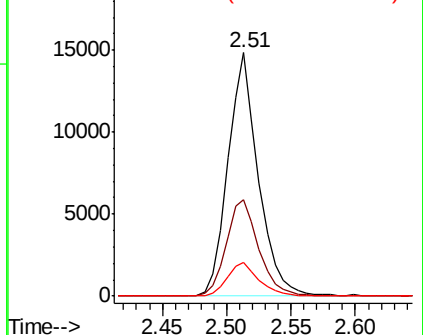


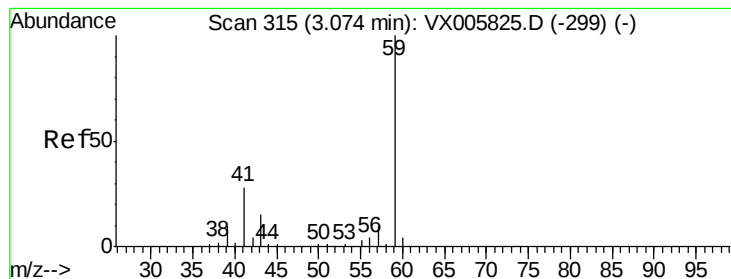
#10
 Methyl Iodide
 Concen: 18.890 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion:142 Resp: 24440
 Ion Ratio Lower Upper
 142 100
 127 42.1 36.0 54.0
 141 14.2 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 20000 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



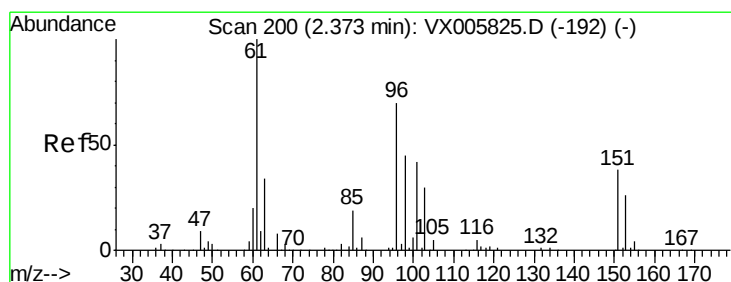
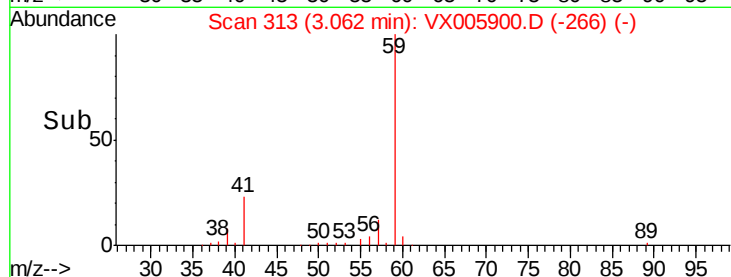
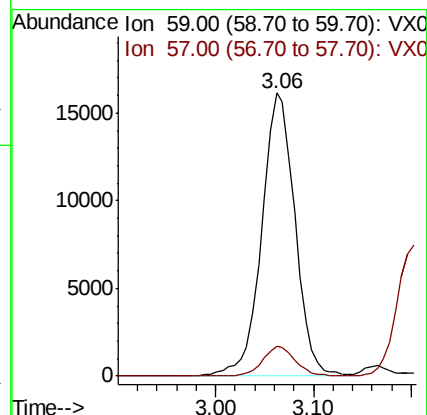
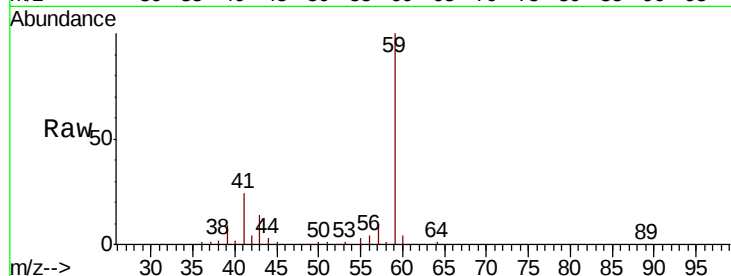


#11

Tert butyl alcohol
 Concen: 98.338 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

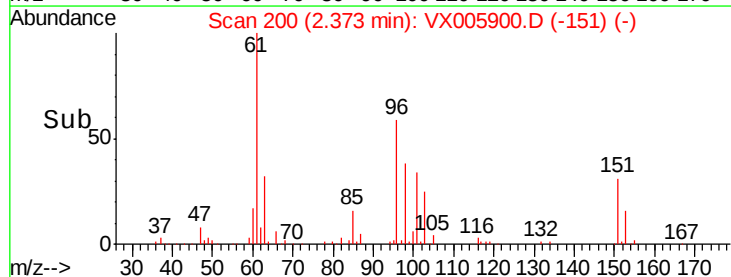
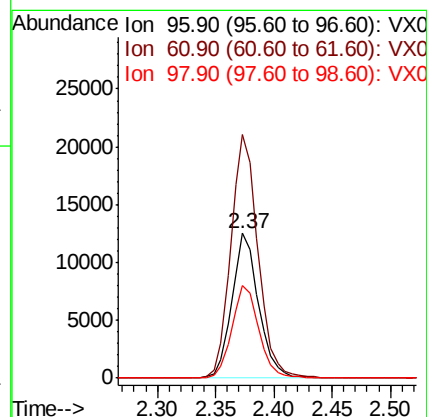
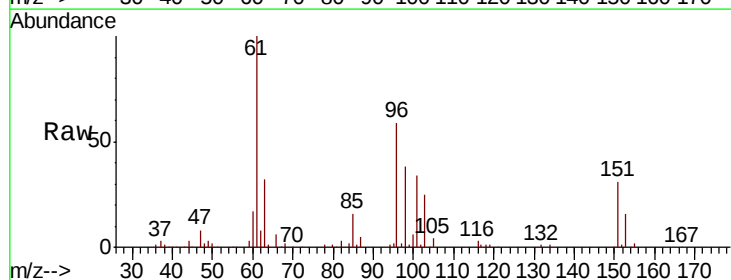
Tot Ion: 59 Resp: 38123
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

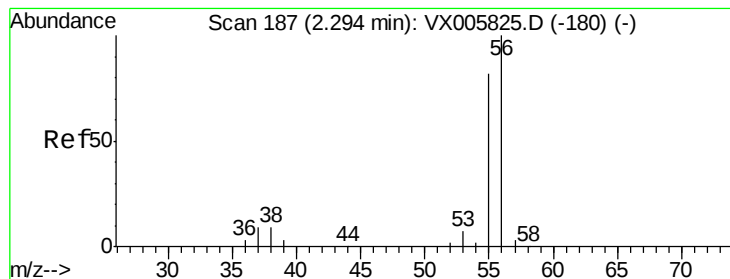


#12

1,1-Dichloroethene
 Concen: 19.197 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion: 96 Resp: 19974
 Ion Ratio Lower Upper
 96 100
 61 168.3 131.8 197.8
 98 63.7 53.4 80.2





#13

Acrolein

Concen: 152.750 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

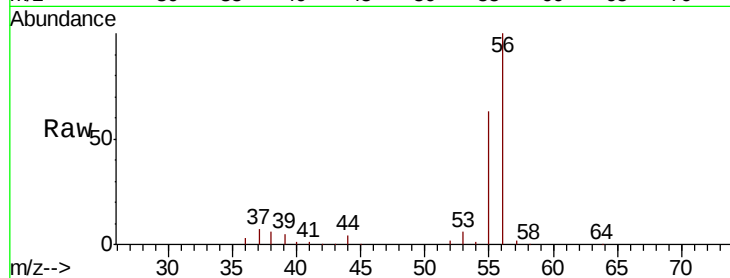
VX1112WBS01

Tot Ion: 56 Resp: 26743

Ion Ratio Lower Upper

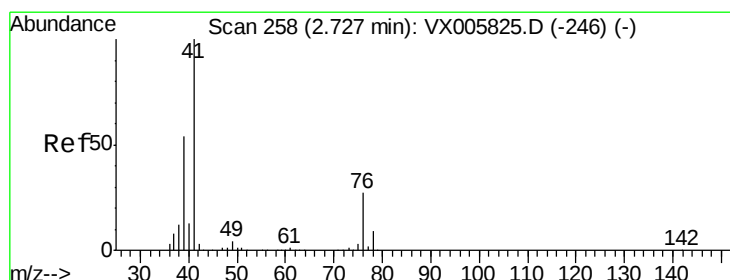
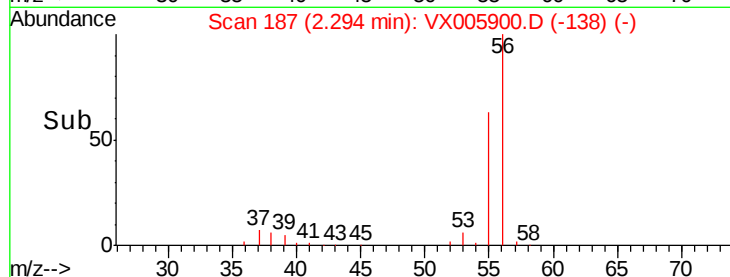
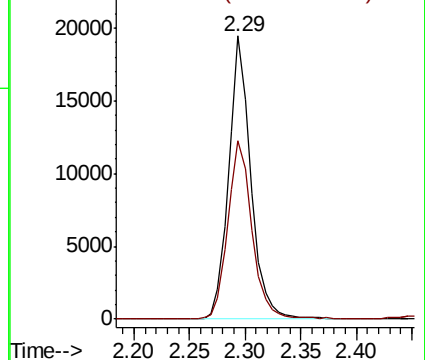
56 100

55 69.2 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.804 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

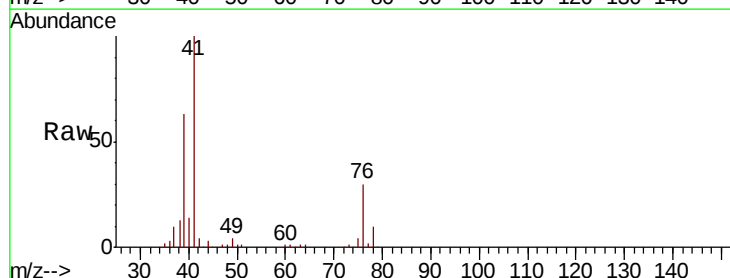
Tgt Ion: 41 Resp: 46021

Ion Ratio Lower Upper

41 100

39 58.1 48.2 72.4

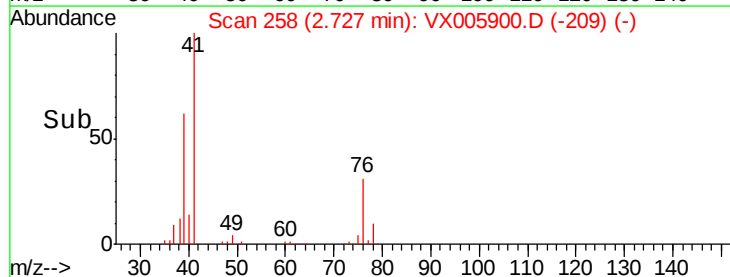
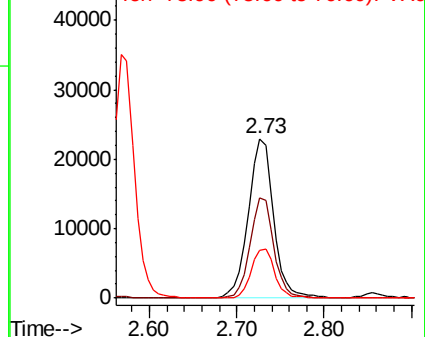
76 28.8 21.9 32.9

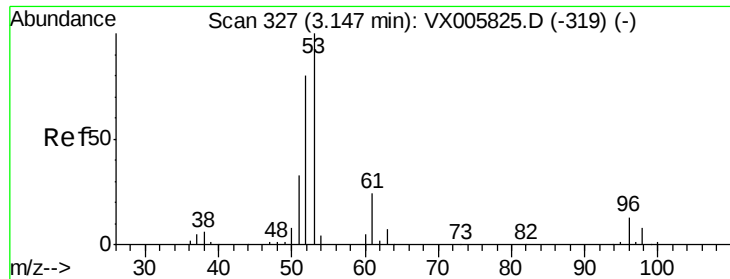


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 103.077 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

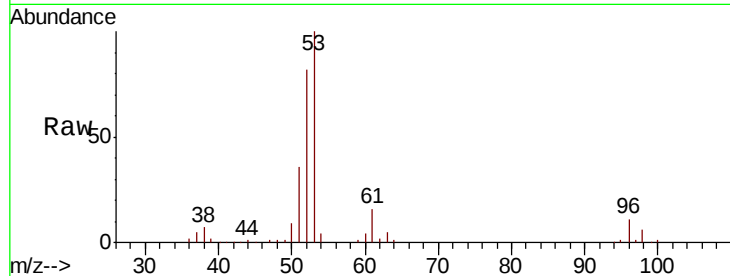
Tot Ion: 53 Resp: 82813

Ion Ratio Lower Upper

53 100

52 81.3 66.6 99.8

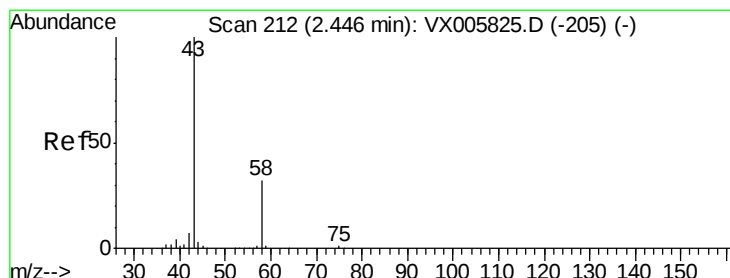
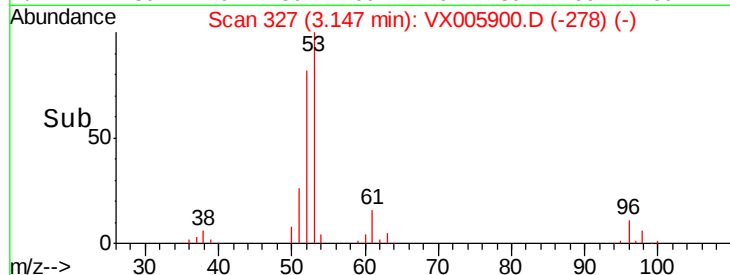
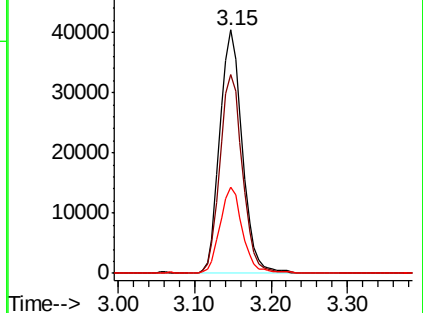
51 35.8 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 95.619 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005900.D

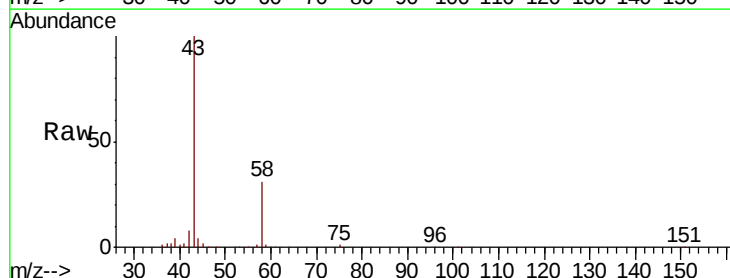
Acq: 12 Nov 2018 15:08

Tgt Ion: 43 Resp: 69673

Ion Ratio Lower Upper

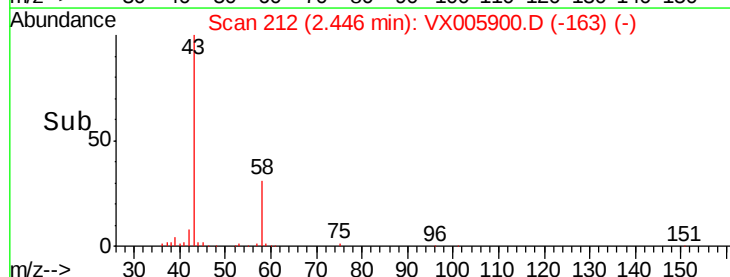
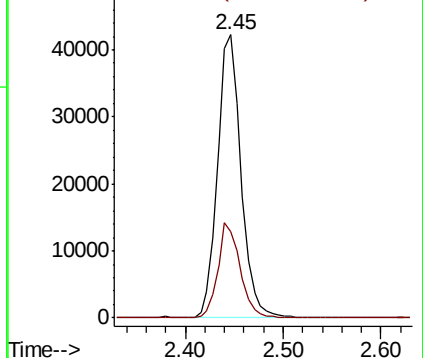
43 100

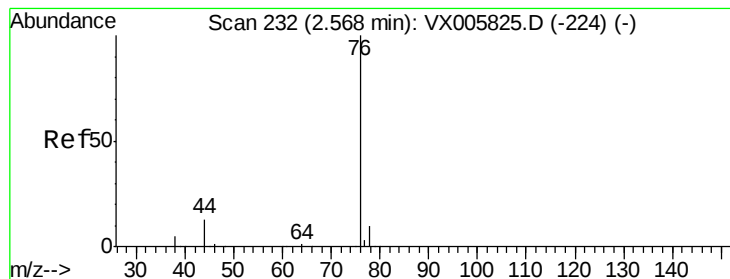
58 30.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.781 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

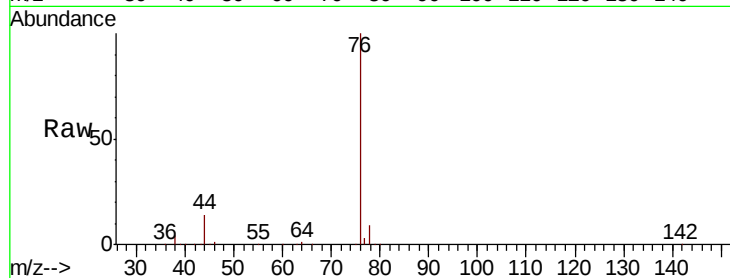
VX1112WBS01

Tot Ion: 76 Resp: 58289

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

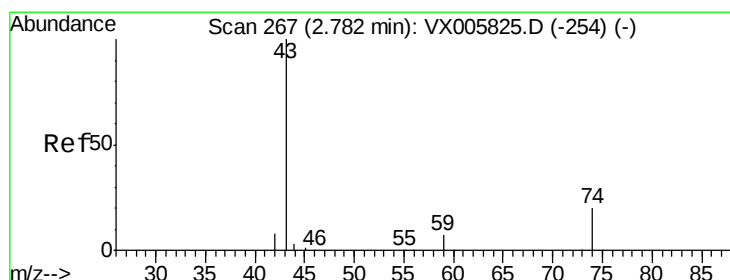
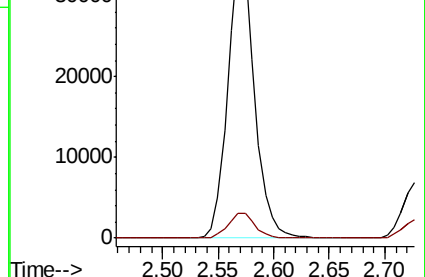
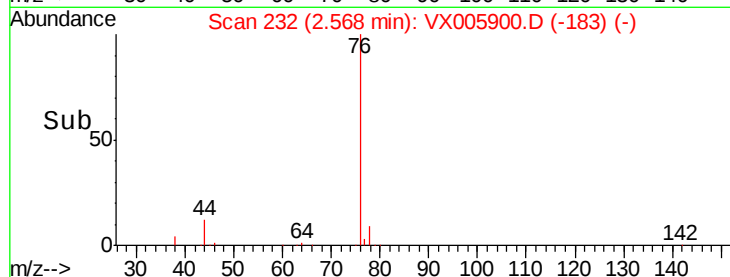


Abundance Ion 75.90 (75.60 to 76.60): VX005825.D (-224) (-)

Ion 77.90 (77.60 to 78.60): VX005825.D (-224) (-)

2.57

Time-->



#18

Methyl Acetate

Concen: 21.335 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005900.D

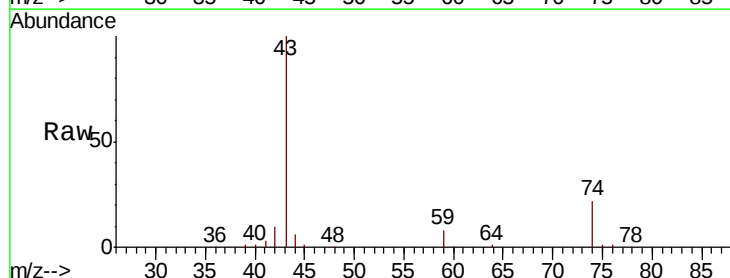
Acq: 12 Nov 2018 15:08

Tgt Ion: 43 Resp: 43321

Ion Ratio Lower Upper

43 100

74 20.7 16.8 25.2

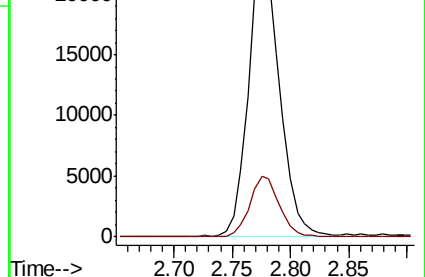
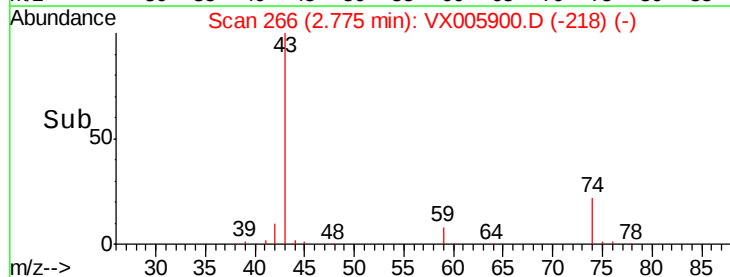


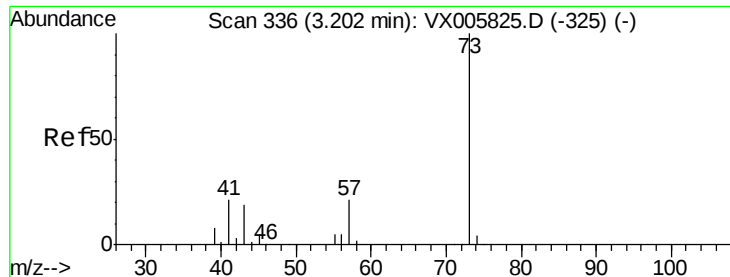
Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-254) (-)

Ion 74.00 (73.70 to 74.70): VX005825.D (-254) (-)

2.78

Time-->

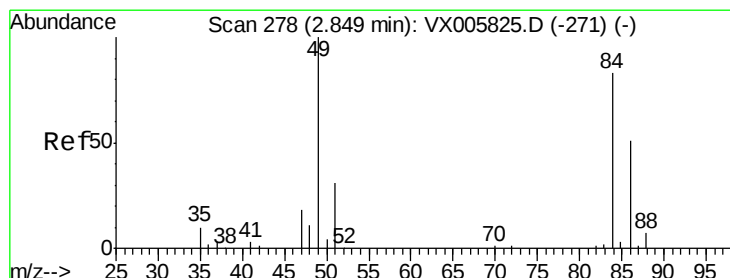
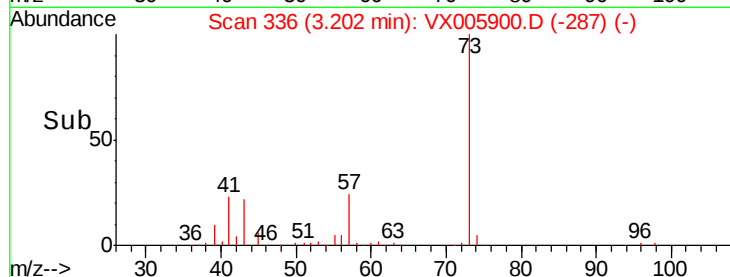
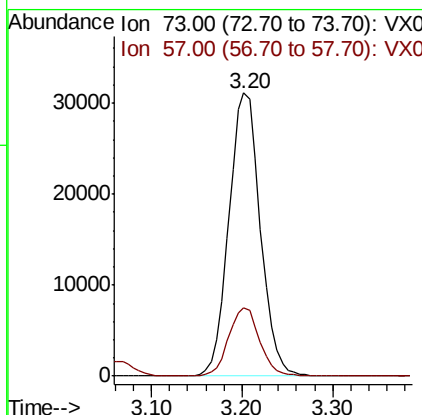
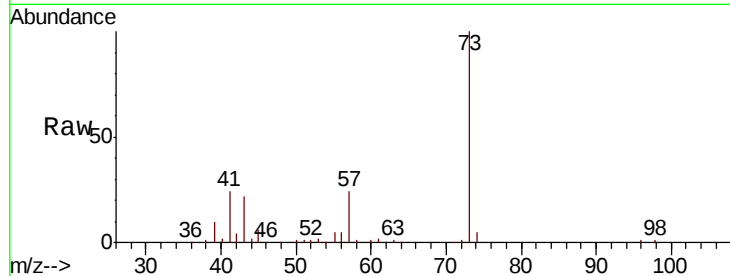




#19
Methvl tert-butvl Ether
Concen: 21.059 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

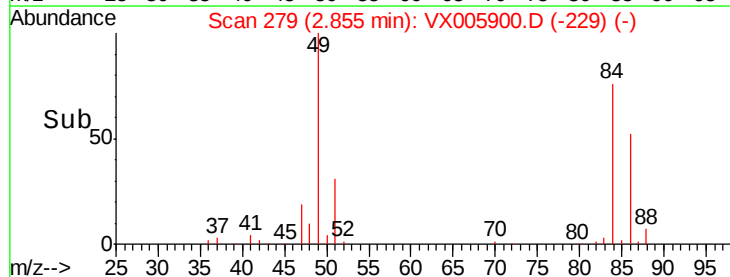
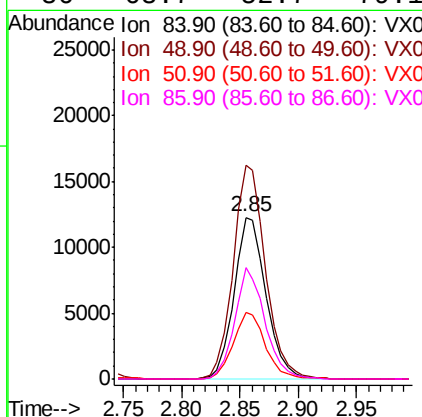
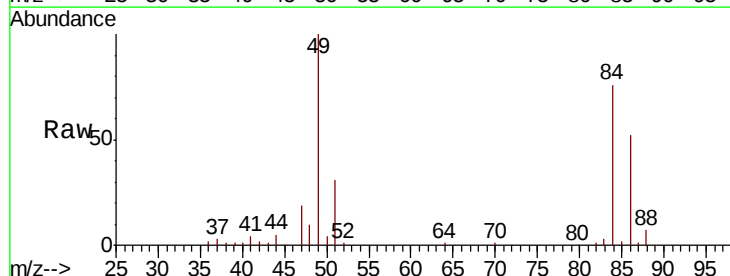
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

Tot Ion: 73 Resp: 74784
Ion Ratio Lower Upper
73 100
57 23.9 18.8 28.2



#20
Methylene Chloride
Concen: 19.617 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 84 Resp: 23480
Ion Ratio Lower Upper
84 100
49 132.3 109.5 164.3
51 41.2 33.3 49.9
86 68.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.844 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

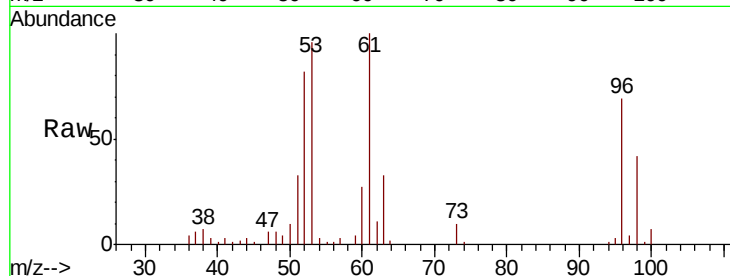
Tot Ion: 96 Resp: 21778

Ion Ratio Lower Upper

96 100

61 145.3 115.6 173.4

98 60.5 50.2 75.2

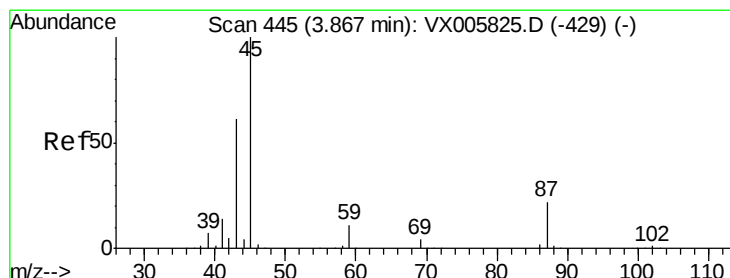
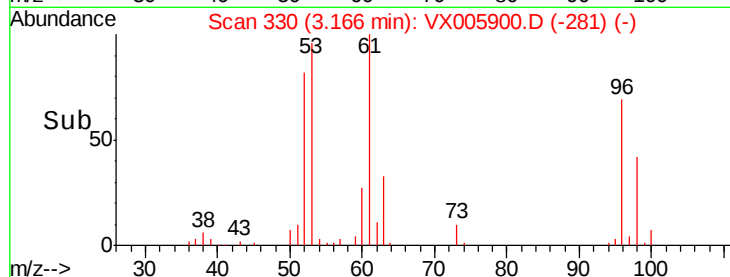
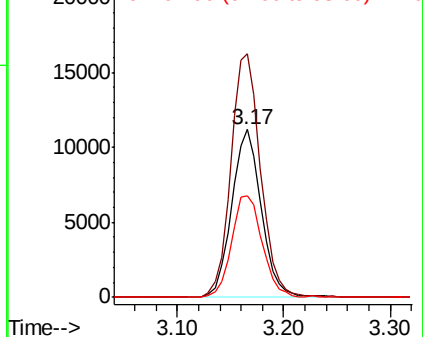


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.501 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Tgt Ion: 45 Resp: 79385

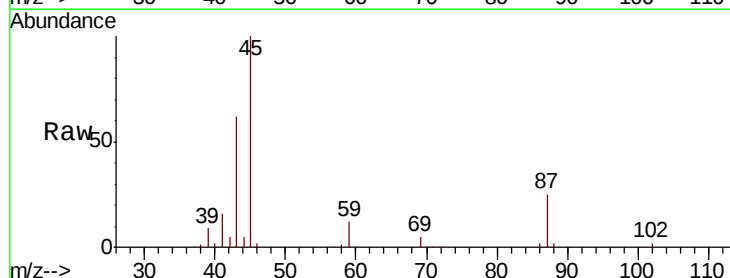
Ion Ratio Lower Upper

45 100

43 61.4 47.4 71.2

87 25.0 15.9 23.9#

59 11.7 7.7 11.5#



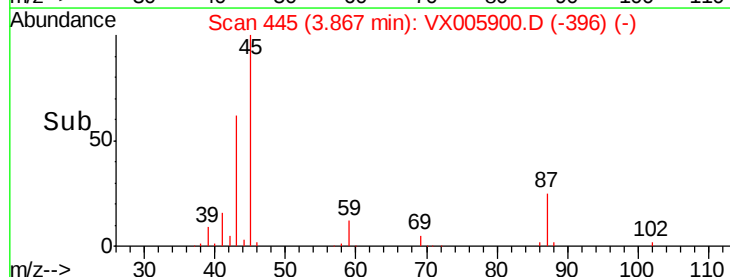
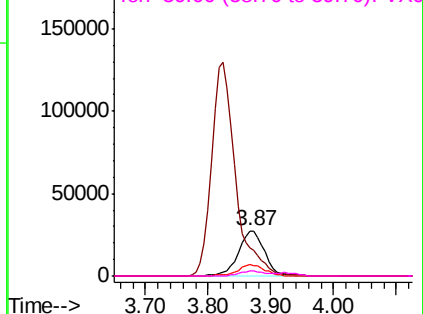
Abundance

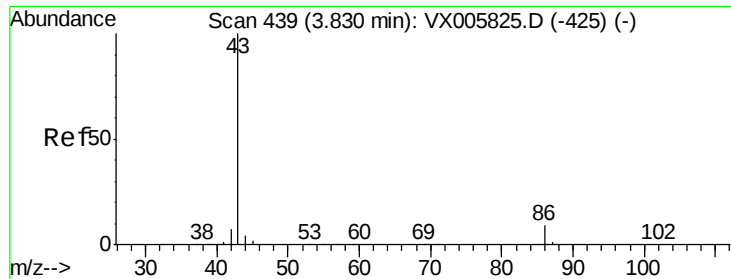
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.377 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

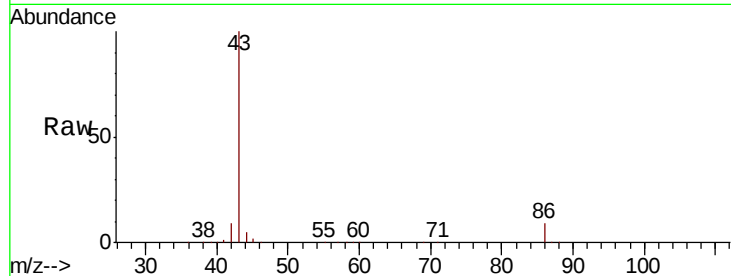
VX1112WBS01

Tot Ion: 43 Resp: 343372

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-425) (-)

Ion 86.00 (85.70 to 86.70): VX005825.D (-425) (-)

150000

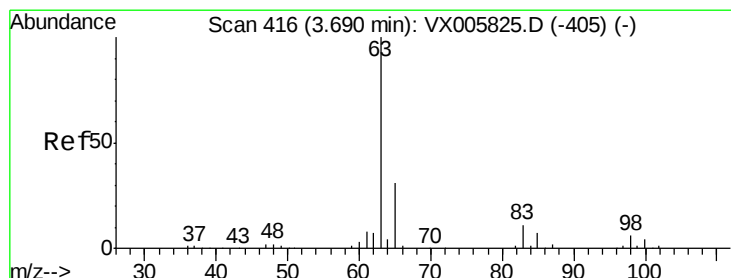
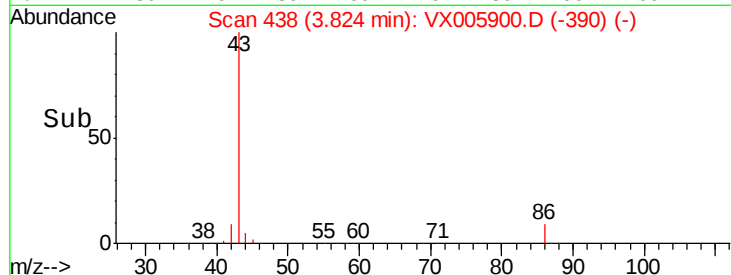
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.232 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

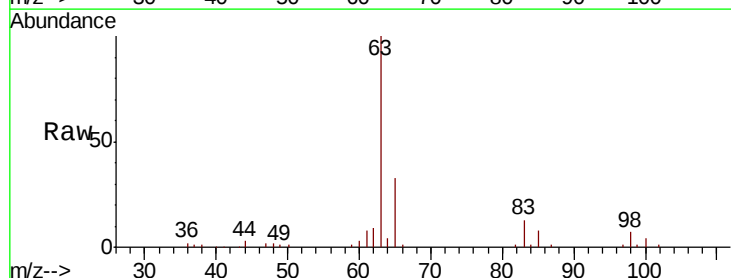
Tgt Ion: 63 Resp: 43941

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX005825.D (-405) (-)

Ion 97.90 (97.60 to 98.60): VX005825.D (-405) (-)

Ion 99.90 (99.60 to 100.60): VX005825.D (-405) (-)

25000

20000

15000

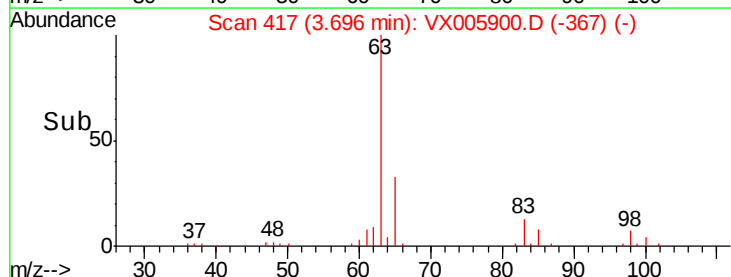
10000

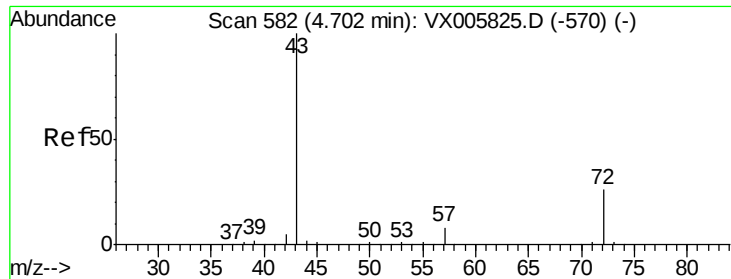
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 96.948 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

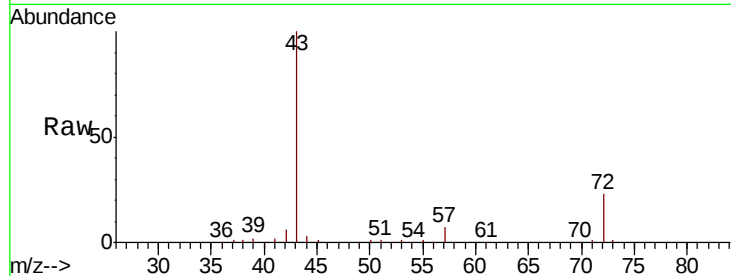
VX1112WBS01

Tot Ion: 43 Resp: 111059

Ion Ratio Lower Upper

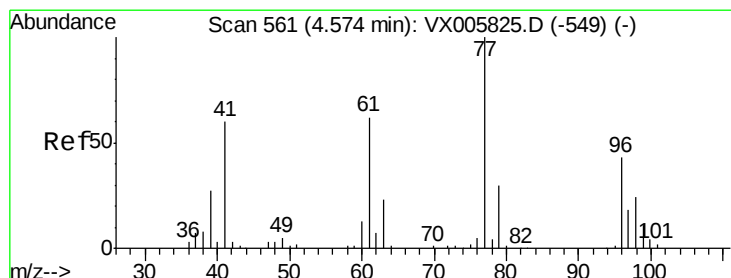
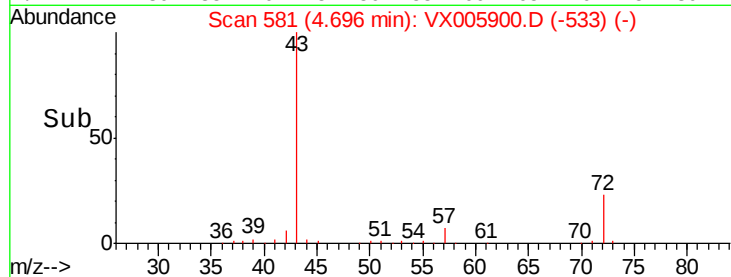
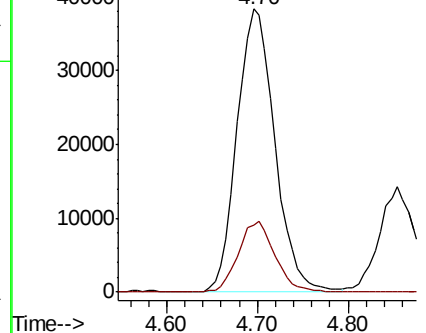
43 100

72 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.199 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX005900.D

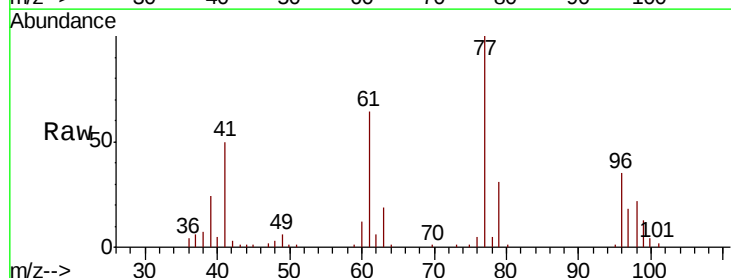
Acq: 12 Nov 2018 15:08

Tgt Ion: 77 Resp: 32181

Ion Ratio Lower Upper

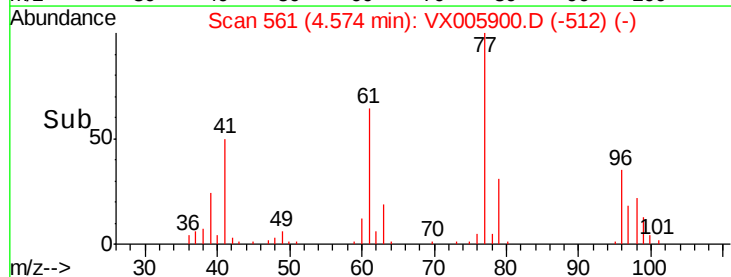
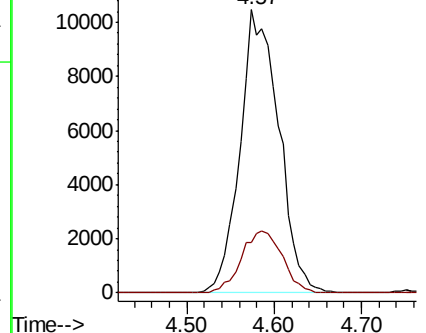
77 100

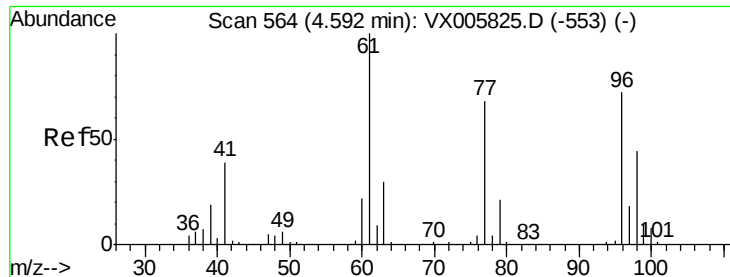
97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



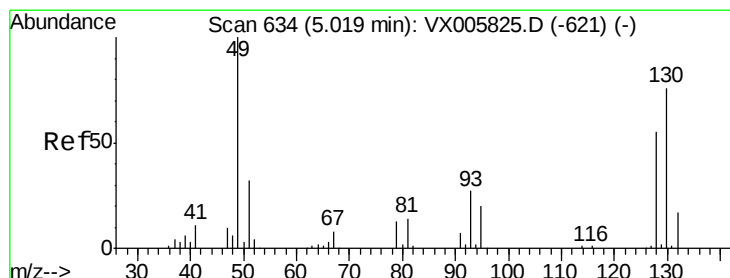
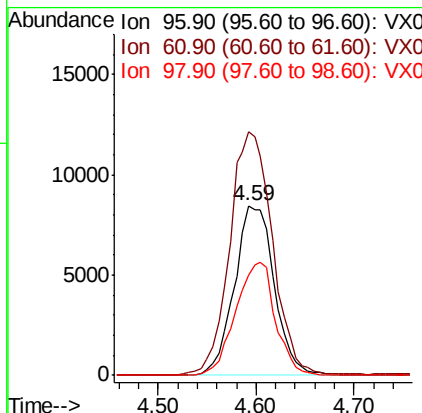
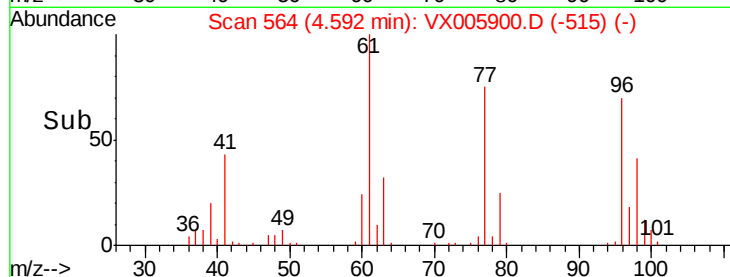
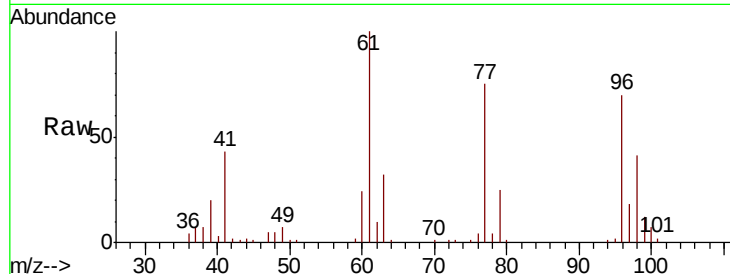


#27

cis-1,2-Dichloroethene
Concen: 19.671 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

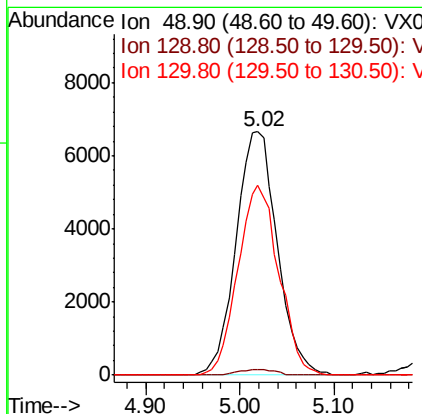
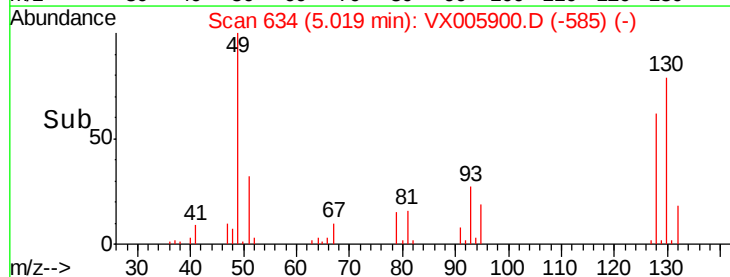
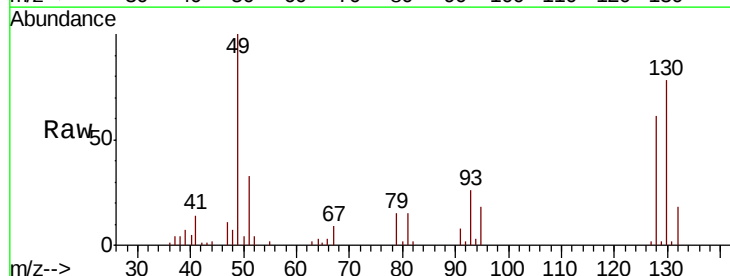
Tot Ion: 96 Resp: 23837
Ion Ratio Lower Upper
96 100
61 154.5 0.0 304.6
98 66.1 0.0 127.4



#28

Bromochloromethane
Concen: 20.982 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 49 Resp: 20366
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 77.4 58.9 88.3





#29

Tetrahydrofuran

Concen: 98.625 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

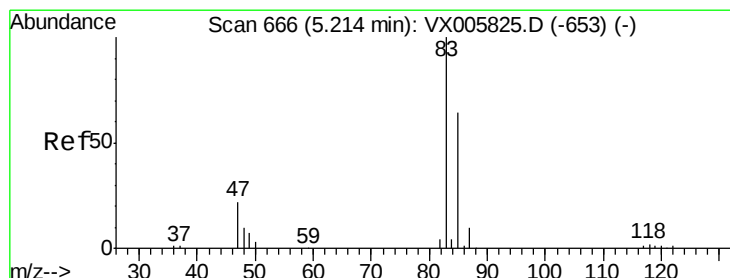
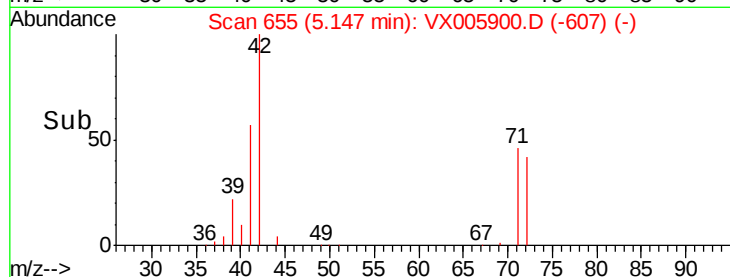
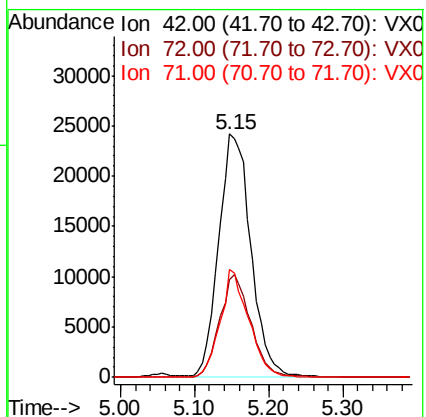
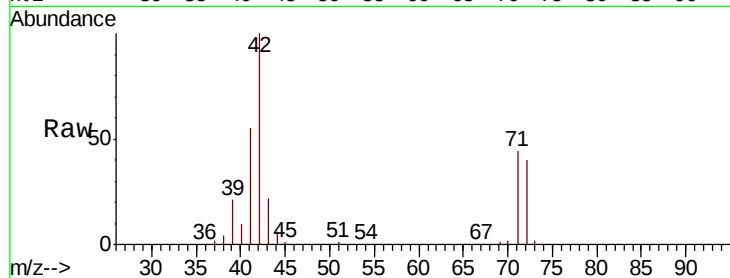
Tot Ion: 42 Resp: 72542

Ion Ratio Lower Upper

42 100

72 41.0 32.0 48.0

71 39.5 29.8 44.8



#30

Chloroform

Concen: 19.085 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005900.D

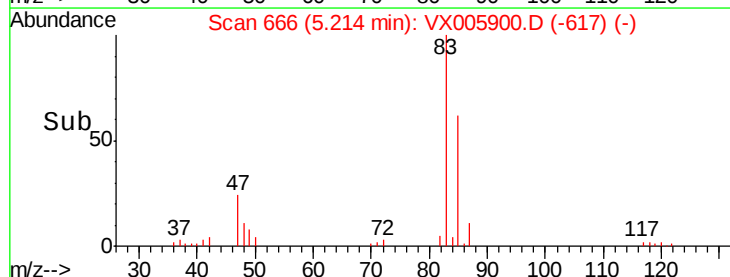
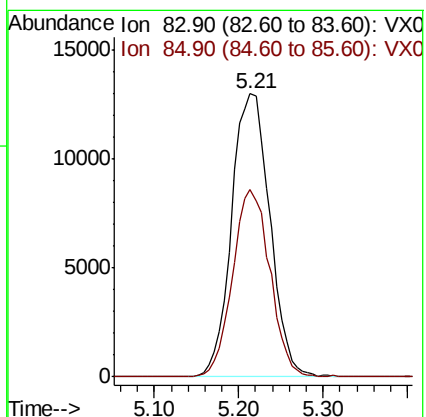
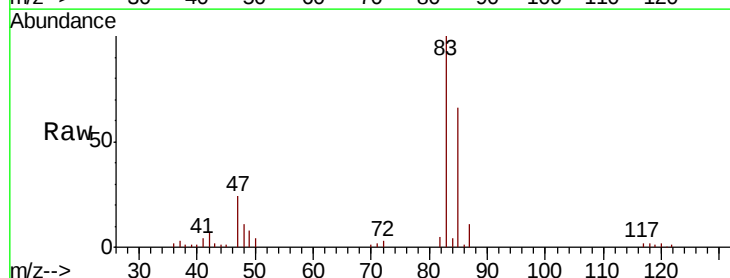
Acq: 12 Nov 2018 15:08

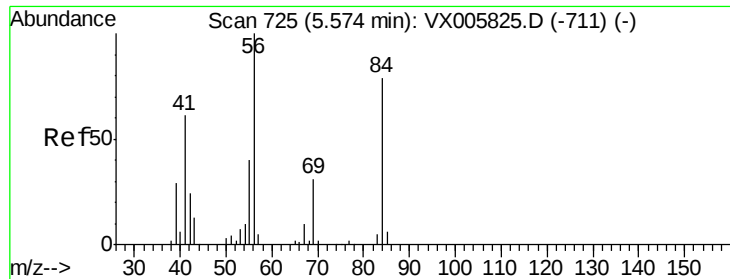
Tgt Ion: 83 Resp: 39989

Ion Ratio Lower Upper

83 100

85 66.1 50.6 76.0

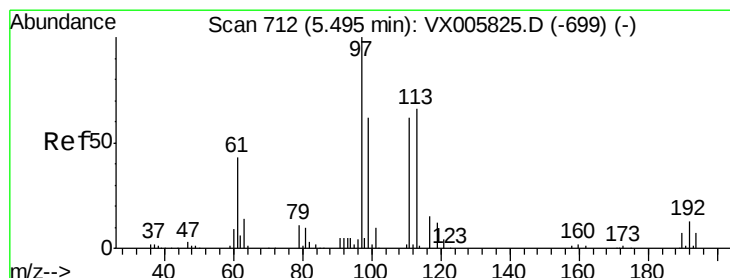
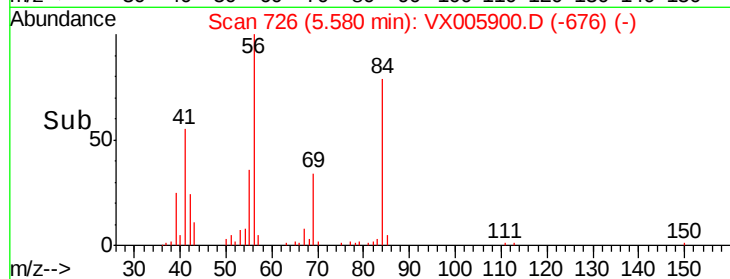
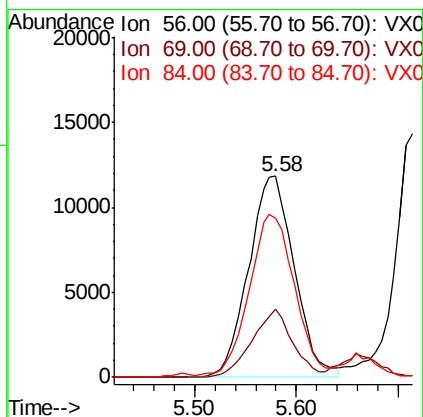
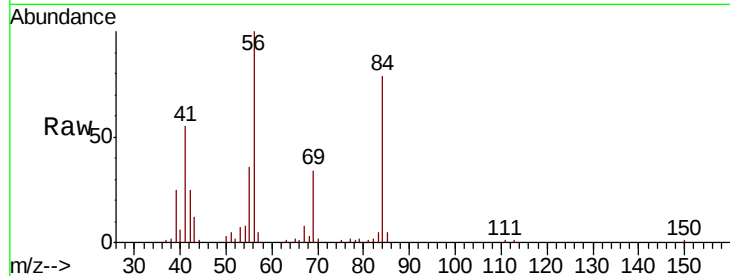




#31
Cvclohexane
Concen: 19.538 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

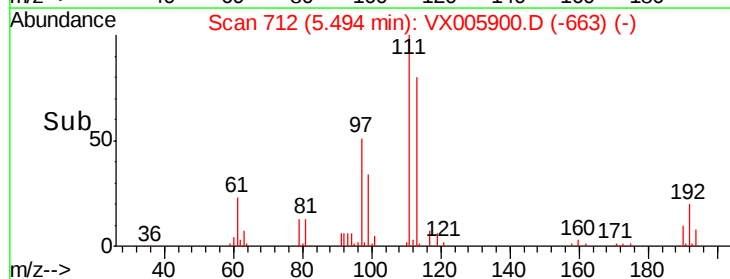
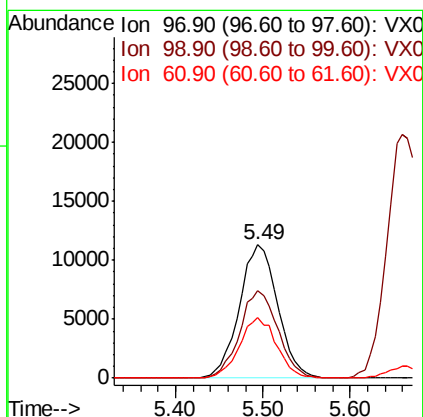
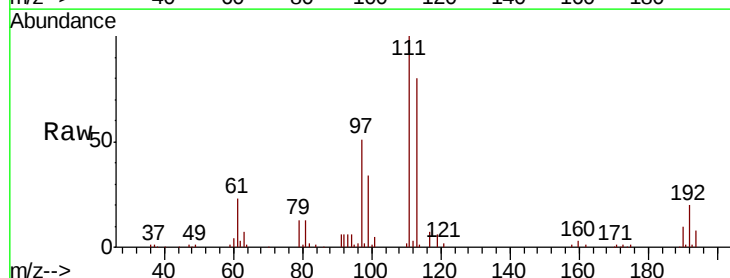
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

Tot Ion: 56 Resp: 36834
Ion Ratio Lower Upper
56 100
69 33.8 22.6 34.0
84 77.7 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 19.723 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 97 Resp: 34470
Ion Ratio Lower Upper
97 100
99 65.1 52.3 78.5
61 43.9 35.2 52.8

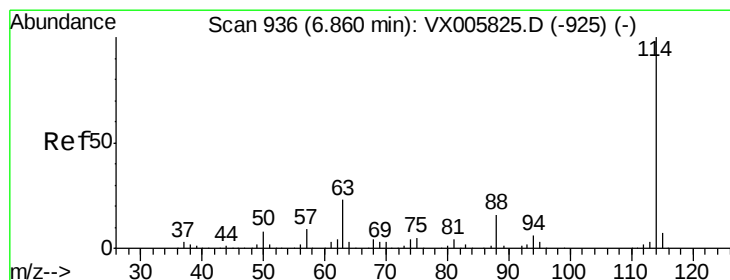
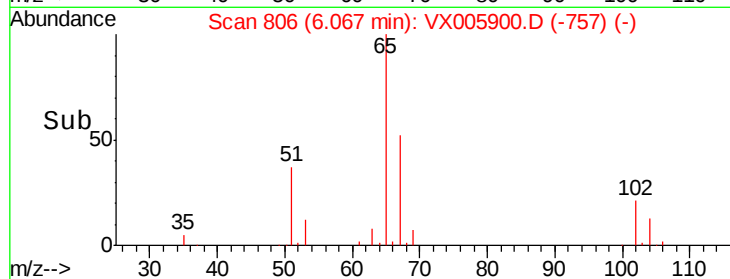
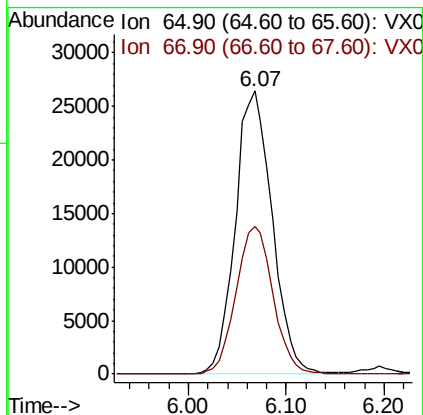
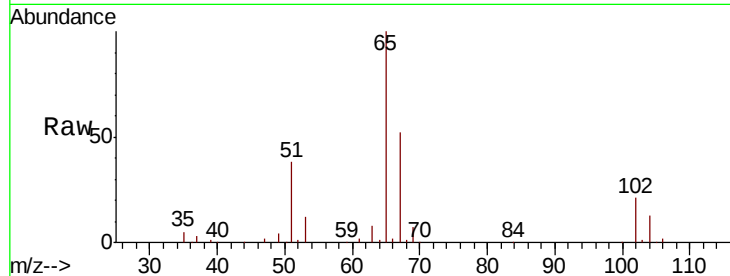




#33
 1,2-Dichloroethane-d4
 Concen: 51.185 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

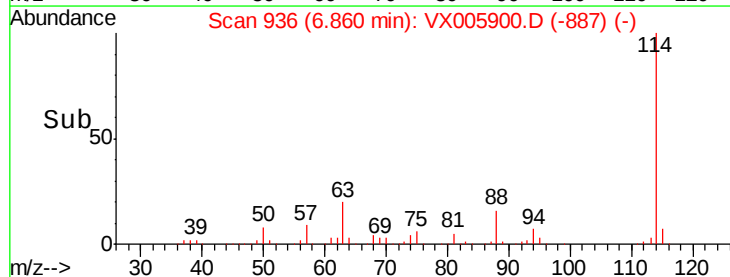
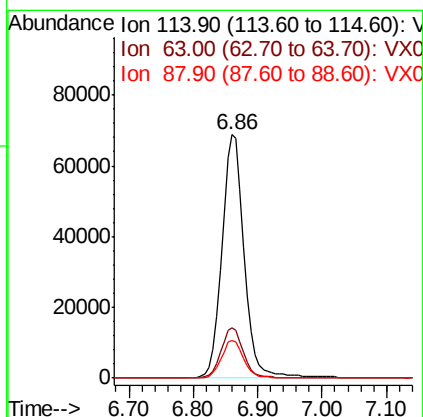
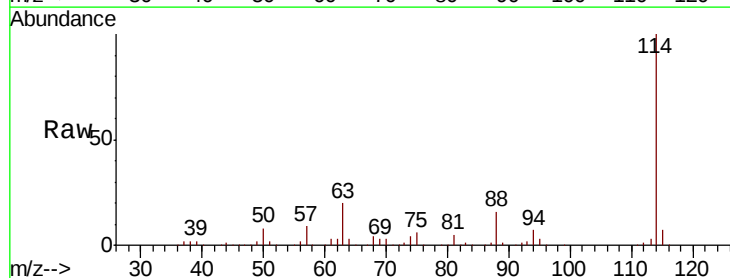
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

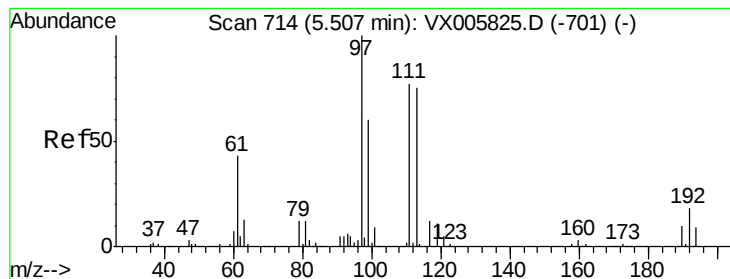
Tot Ion: 65 Resp: 69269
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion: 114 Resp: 168468
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.8
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.692 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

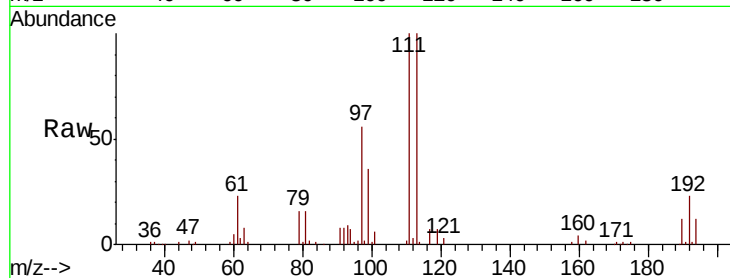
Tot Ion:113 Resp: 55793

Ion Ratio Lower Upper

113 100

111 106.3 82.3 123.5

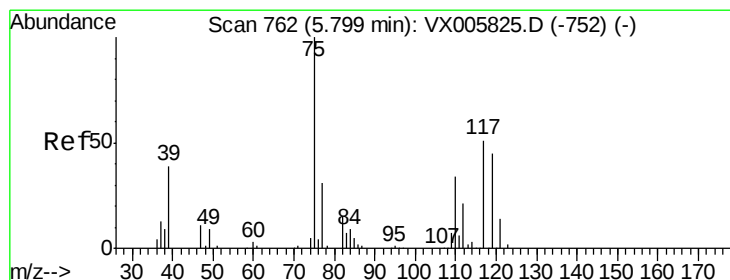
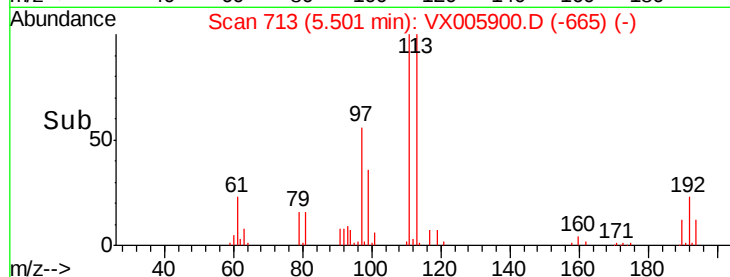
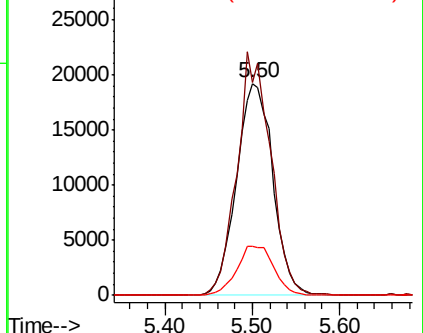
192 23.6 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.724 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

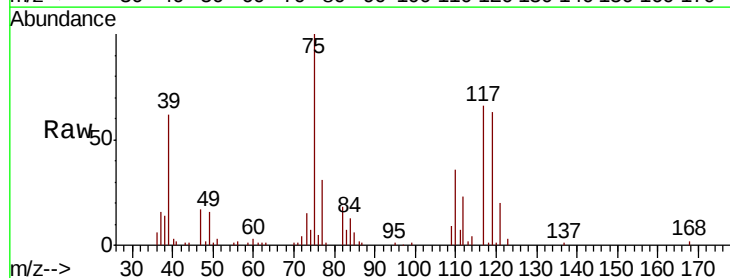
Tgt Ion: 75 Resp: 28785

Ion Ratio Lower Upper

75 100

110 36.5 17.4 52.2

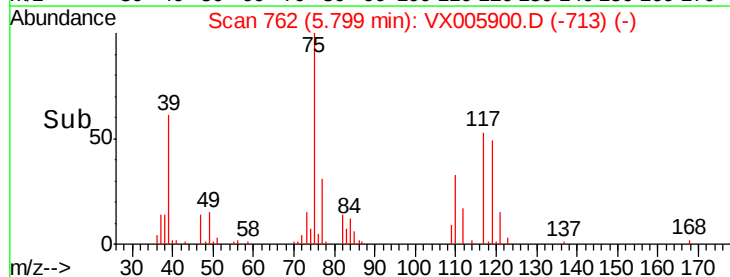
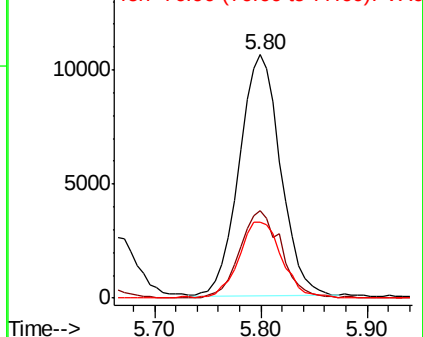
77 33.0 25.8 38.6

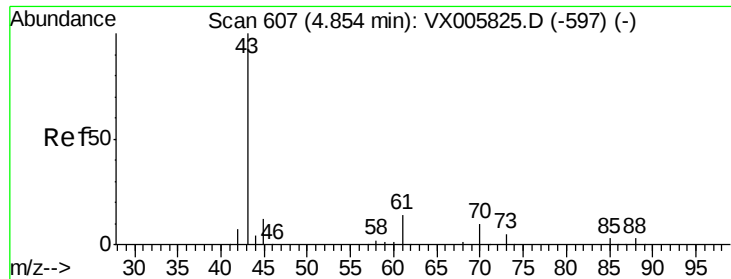


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

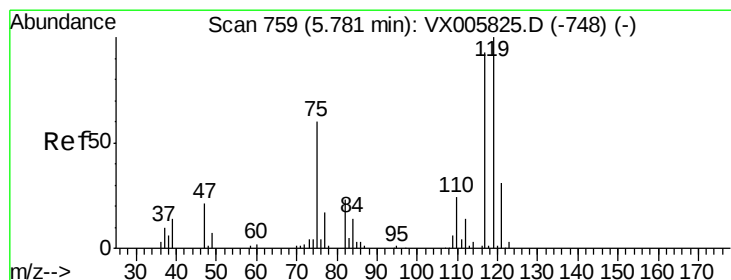
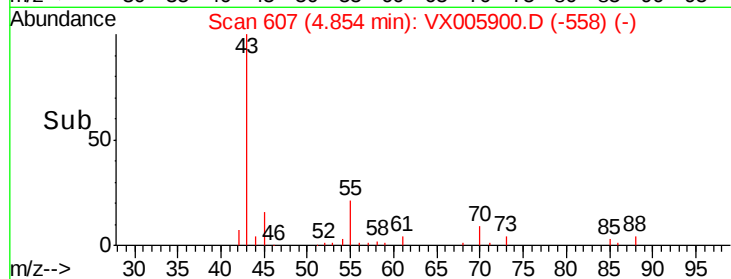
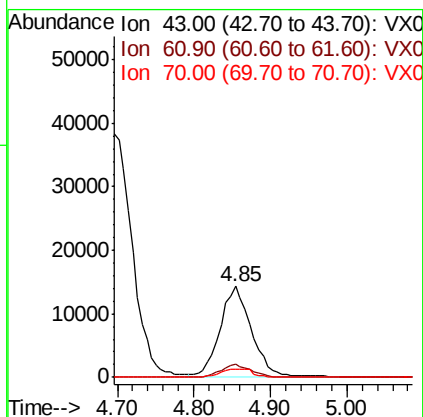
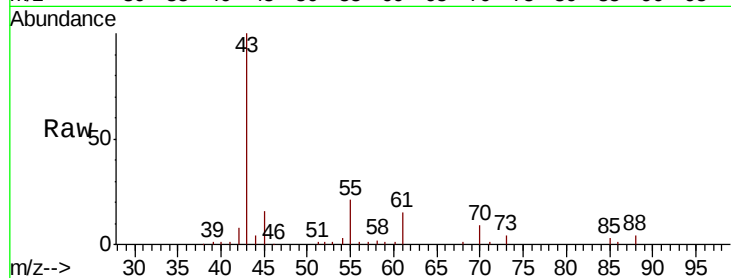




#37
Ethyl Acetate
Concen: 19.067 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

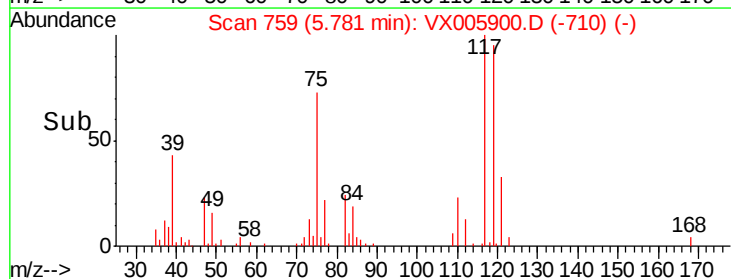
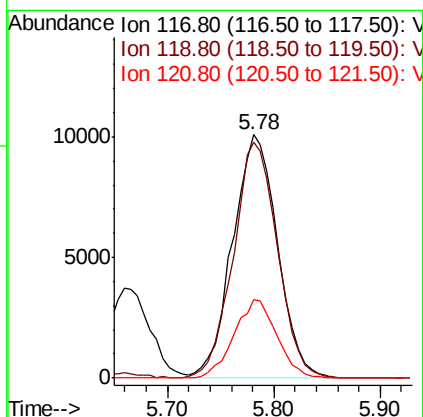
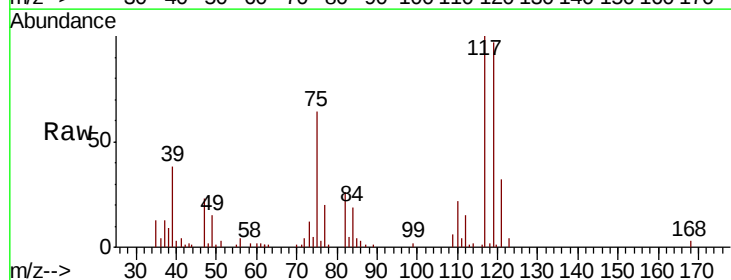
Instrument :
MSVOA_X
ClientSampled :
VX1112WBS01

Tot Ion: 43 Resp: 40721
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.319 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 117 Resp: 29784
Ion Ratio Lower Upper
117 100
119 96.9 78.1 117.1
121 32.4 24.6 36.8

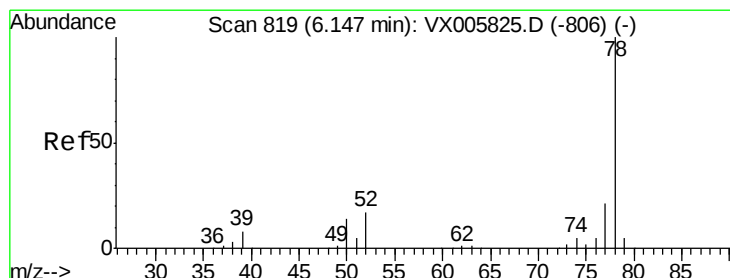
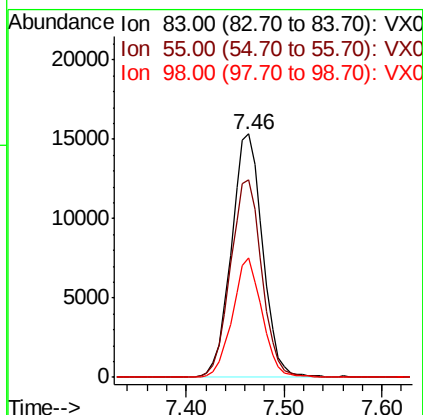
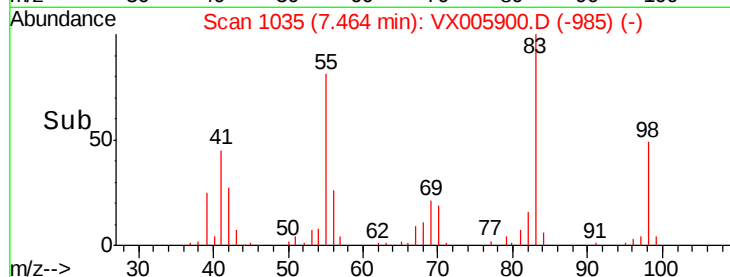
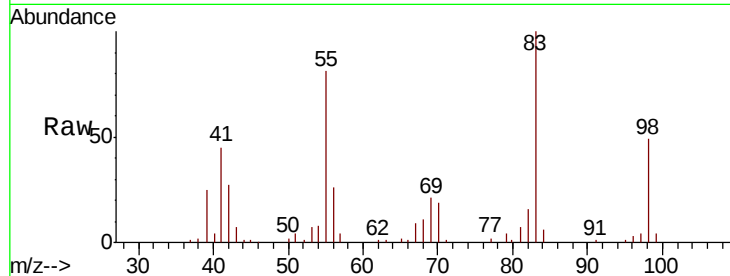




#39
Methvlcvclohexane
Concen: 20.650 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

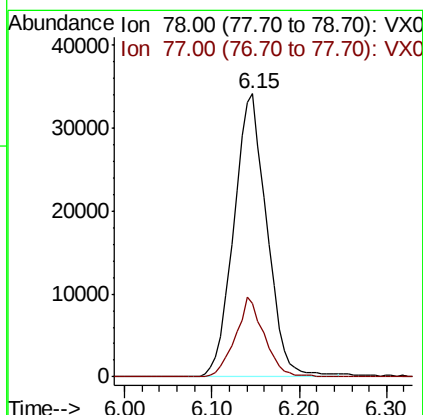
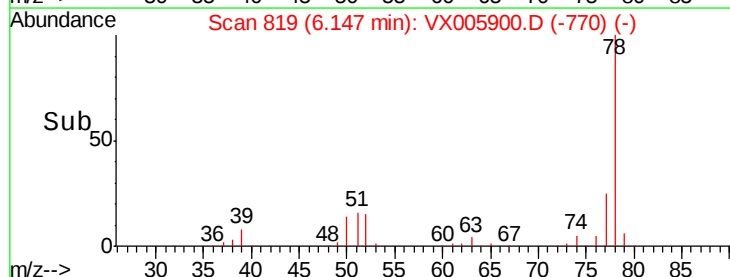
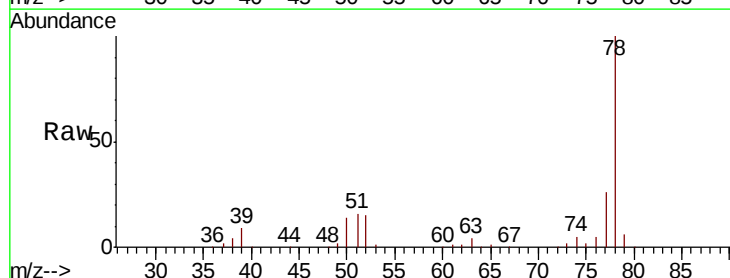
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

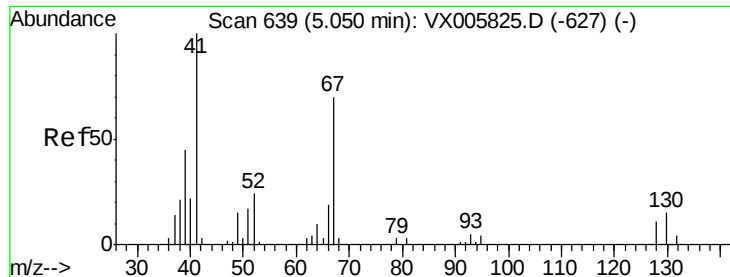
Tot Ion: 83 Resp: 33990
Ion Ratio Lower Upper
83 100
55 81.1 63.7 95.5
98 49.3 36.2 54.2



#40
Benzene
Concen: 18.977 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 78 Resp: 89845
Ion Ratio Lower Upper
78 100
77 26.0 18.4 27.6





#41

Methacrylonitrile

Concen: 18.693 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

Tot Ion: 41 Resp: 21572

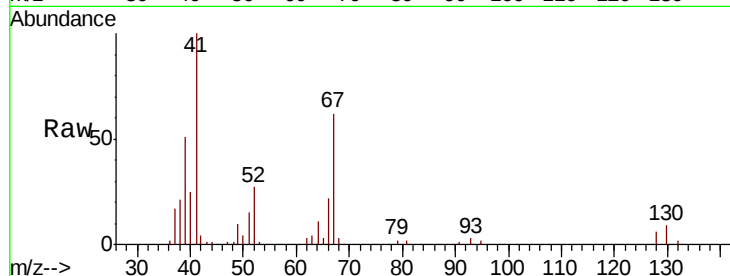
Ion Ratio Lower Upper

41 100

39 53.4 42.2 63.2

67 69.7 53.4 80.0

52 28.1 23.4 35.2

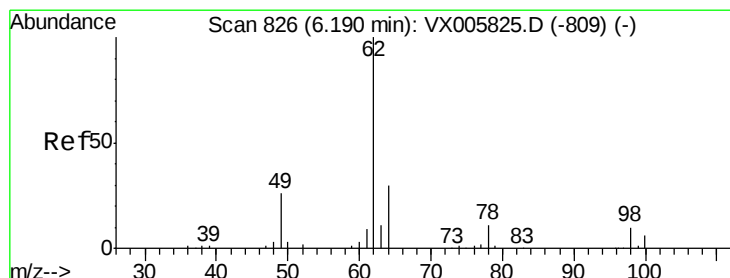
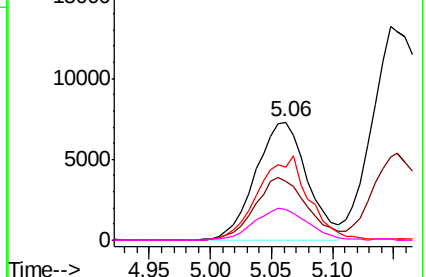
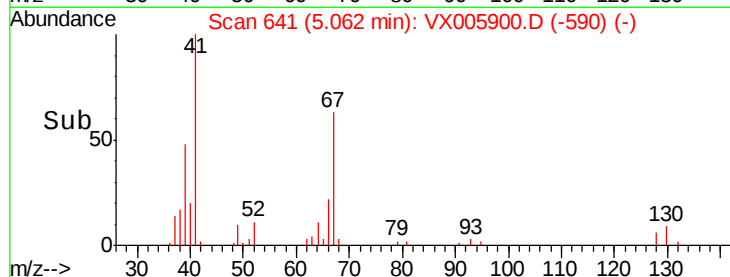


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.906 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX005900.D

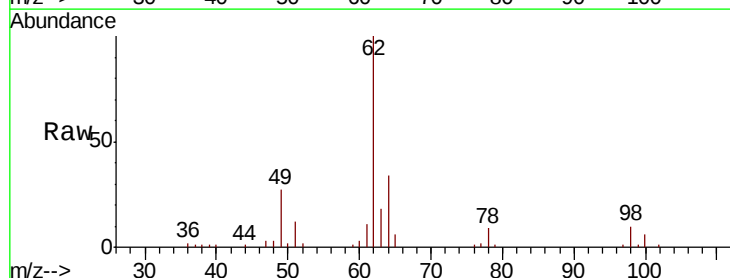
Acq: 12 Nov 2018 15:08

Tgt Ion: 62 Resp: 32061

Ion Ratio Lower Upper

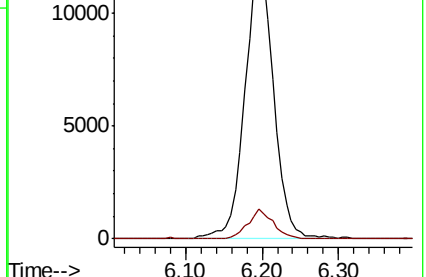
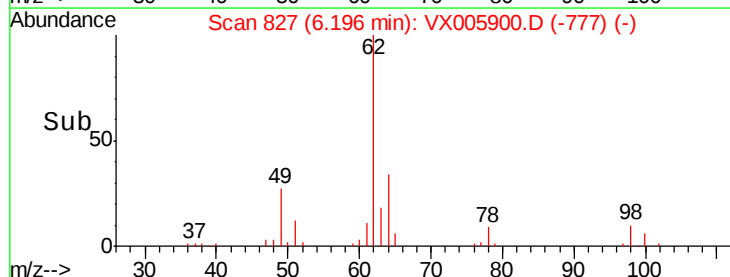
62 100

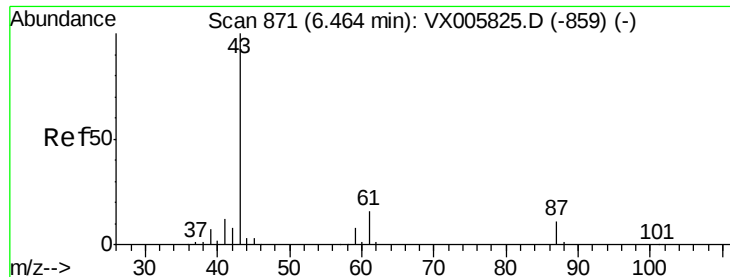
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.239 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

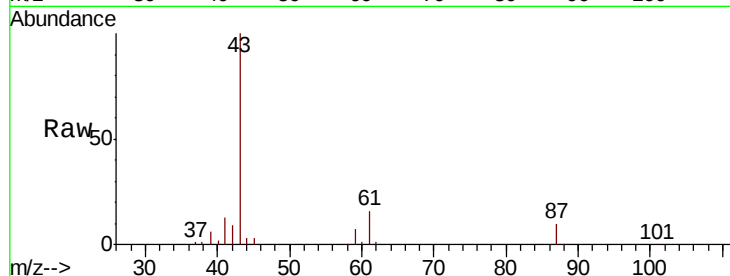
Tot Ion: 43 Resp: 62632

Ion Ratio Lower Upper

43 100

61 18.1 14.6 22.0

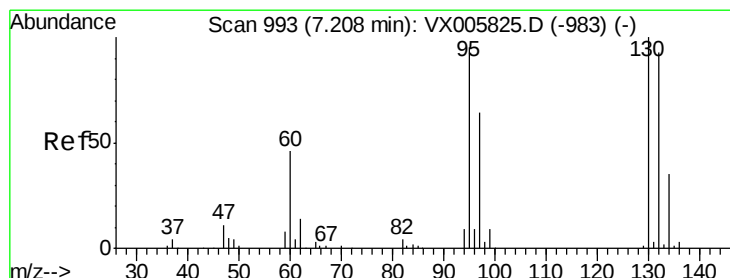
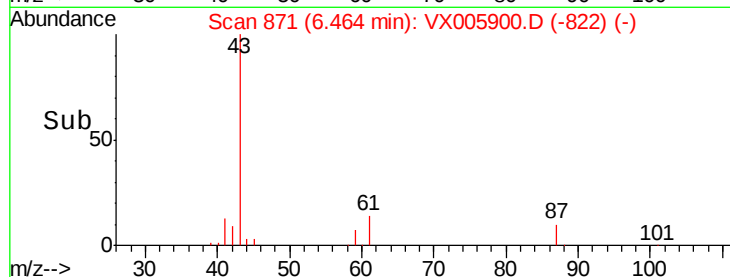
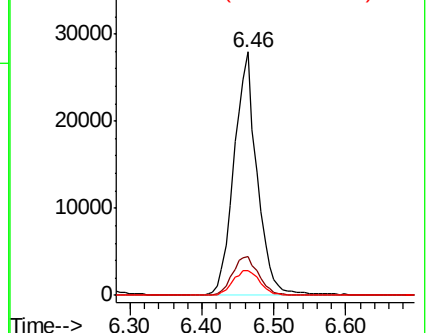
87 11.7 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX005825.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX005825.D (-859) (-)



#44

Trichloroethene

Concen: 19.928 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005900.D

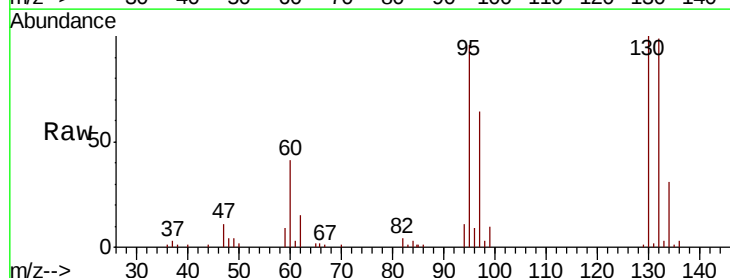
Acq: 12 Nov 2018 15:08

Tgt Ion:130 Resp: 23960

Ion Ratio Lower Upper

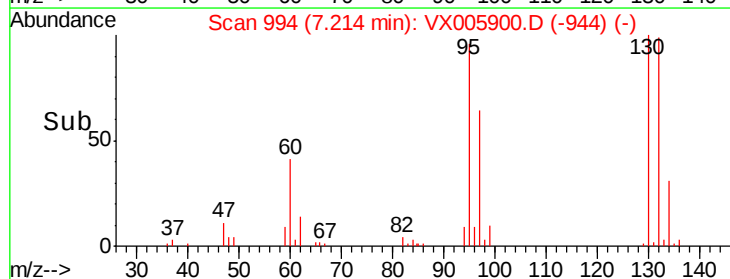
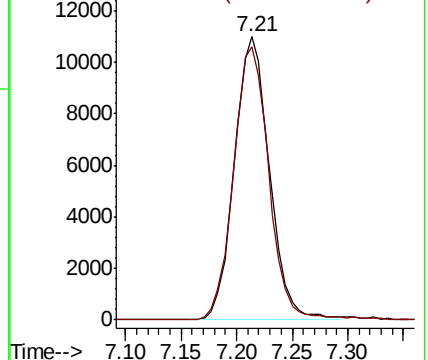
130 100

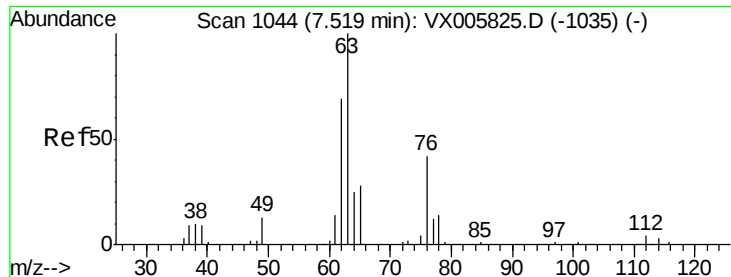
95 96.3 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): VX005825.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX005825.D (-983) (-)





#45

1,2-Dichloropropane

Concen: 20.962 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

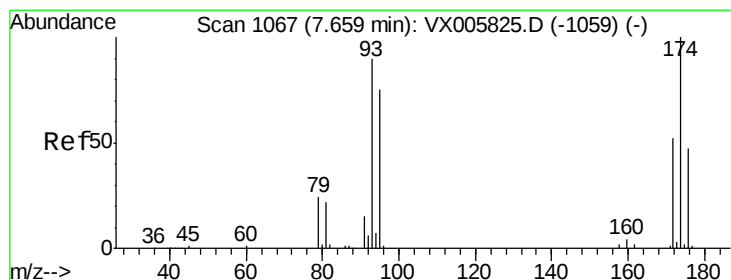
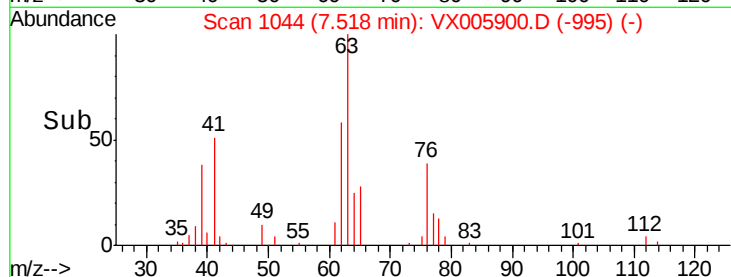
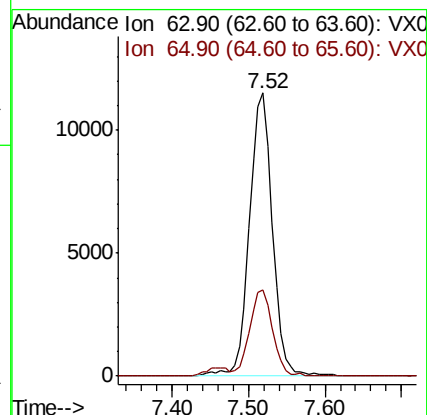
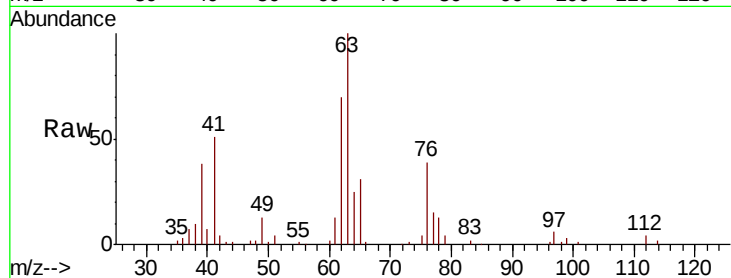
VX1112WBS01

Tot Ion: 63 Resp: 24089

Ion Ratio Lower Upper

63 100

65 30.6 24.8 37.2



#46

Dibromomethane

Concen: 21.270 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

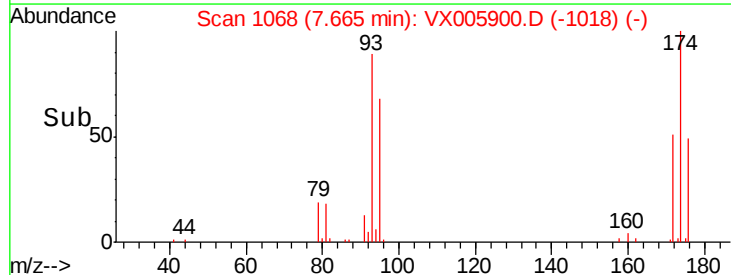
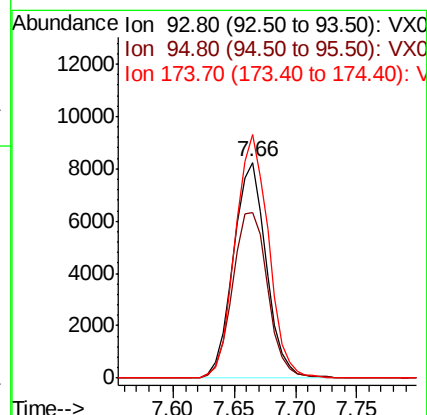
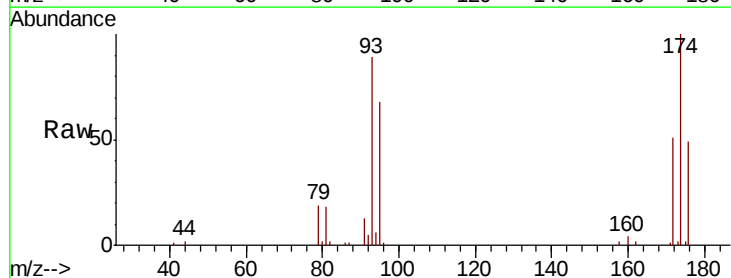
Tgt Ion: 93 Resp: 15338

Ion Ratio Lower Upper

93 100

95 82.0 67.4 101.0

174 114.2 91.5 137.3





#47

Bromodichloromethane

Concen: 21.118 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

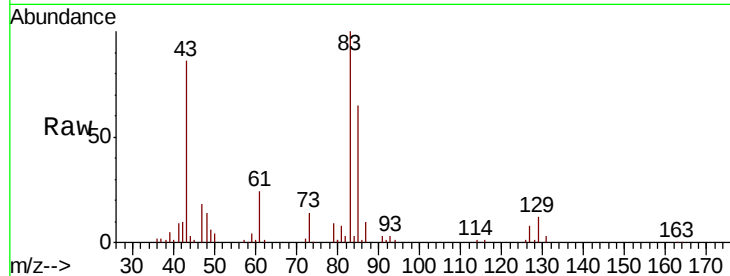
Tot Ion: 83 Resp: 28780

Ion Ratio Lower Upper

83 100

85 65.5 50.2 75.4

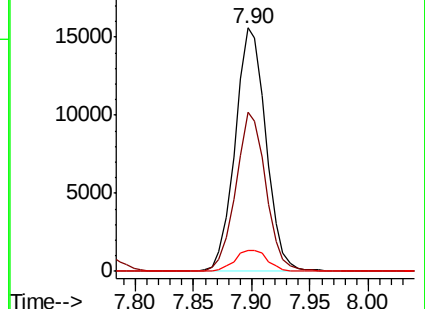
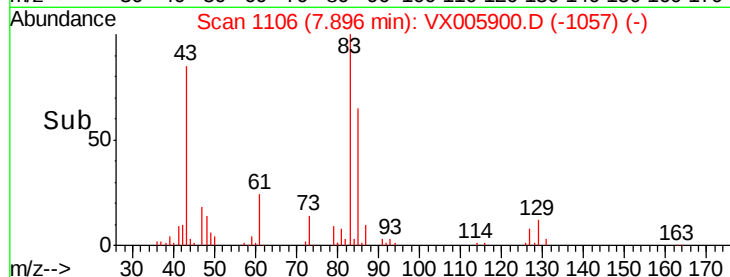
127 8.5 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.689 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

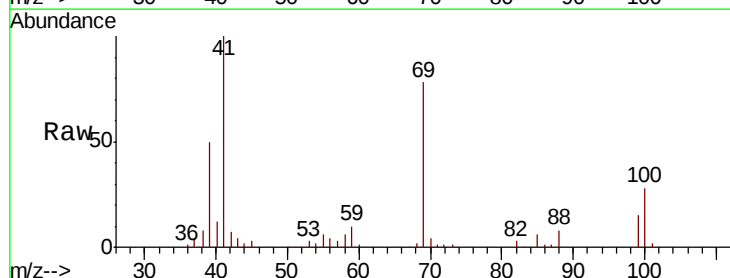
Tgt Ion: 41 Resp: 30138

Ion Ratio Lower Upper

41 100

69 78.6 63.2 94.8

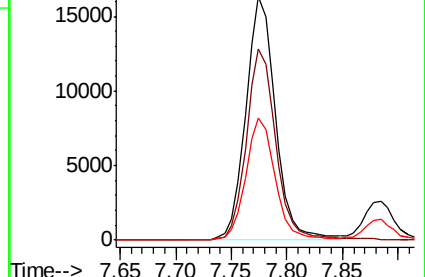
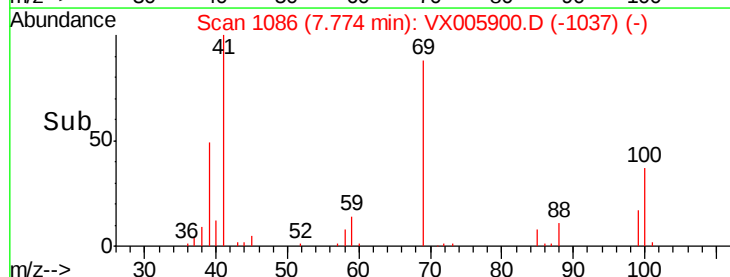
39 49.9 42.2 63.2

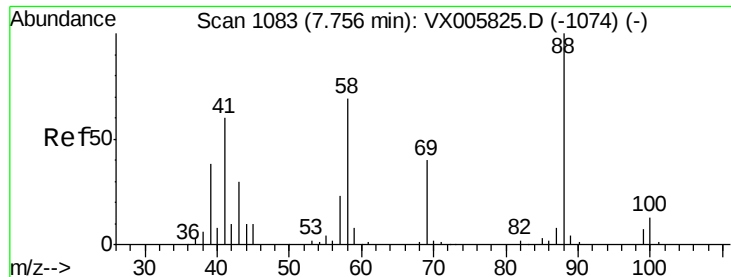


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

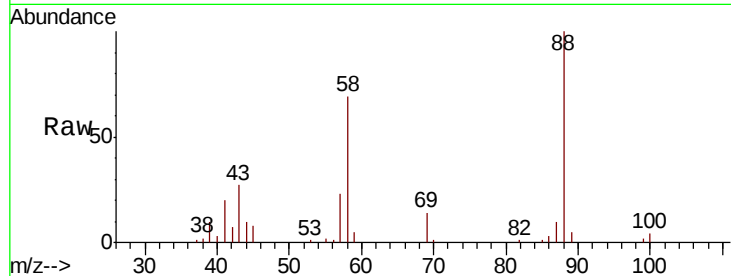




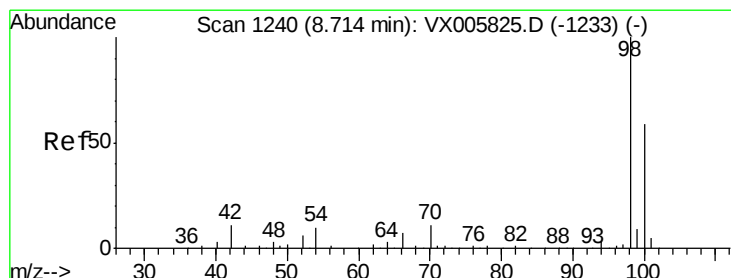
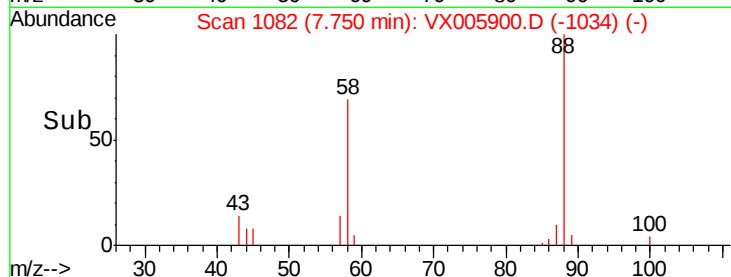
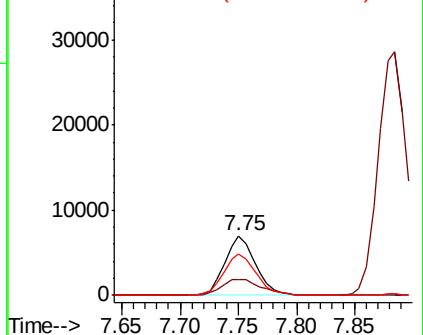
#49
1,4-Dioxane
Concen: 429.786 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

Tot Ion: 88 Resp: 12869
Ion Ratio Lower Upper
88 100
43 35.0 27.4 41.0
58 73.5 59.4 89.2

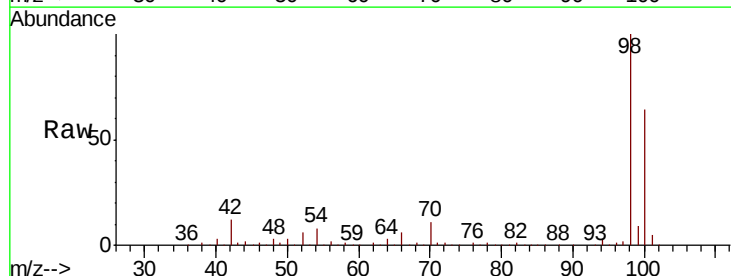


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

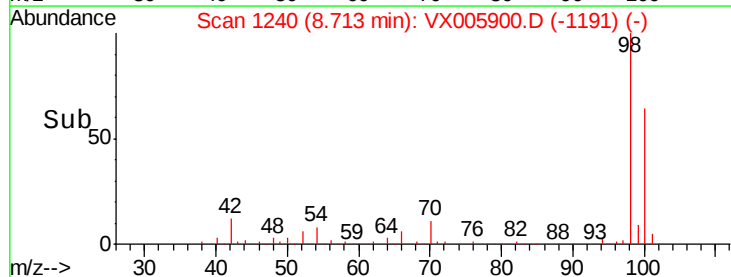
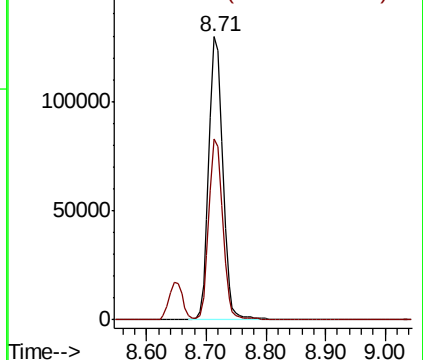


#50
Toluene-d8
Concen: 54.945 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 98 Resp: 209307
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 104.002 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

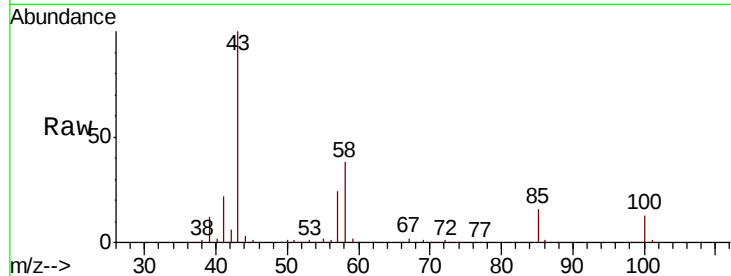
VX1112WBS01

Tot Ion: 43 Resp: 202841

Ion Ratio Lower Upper

43 100

58 37.6 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

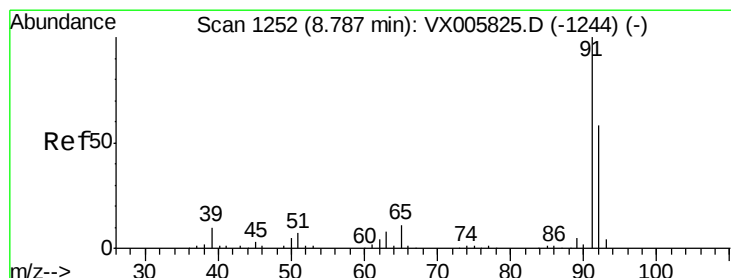
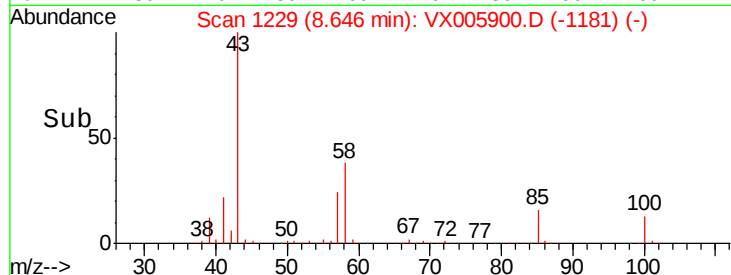
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.792 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005900.D

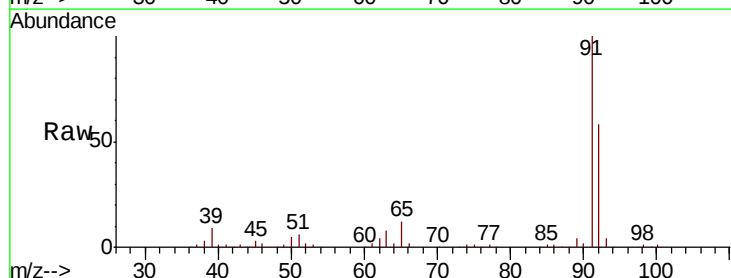
Acq: 12 Nov 2018 15:08

Tgt Ion: 92 Resp: 55017

Ion Ratio Lower Upper

92 100

91 174.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

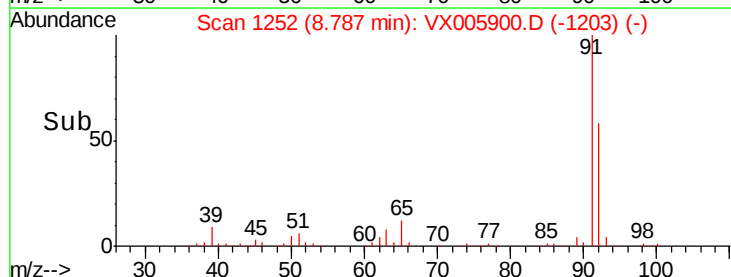
60000

40000

20000

0

Time-->

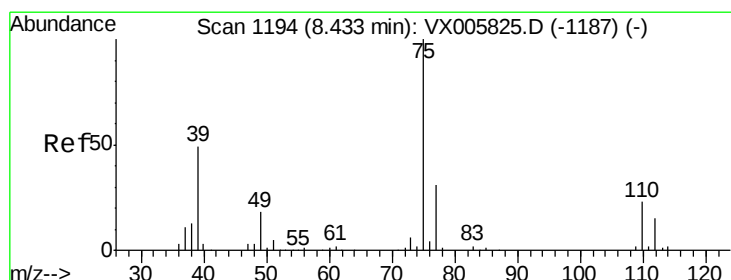
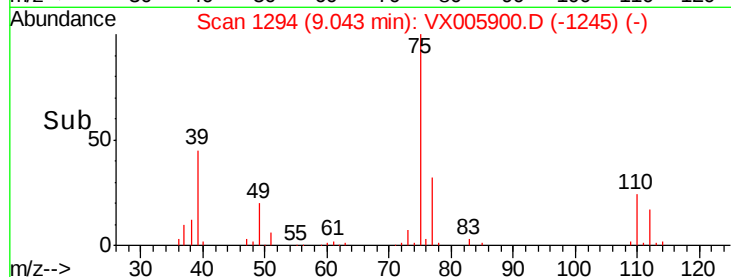
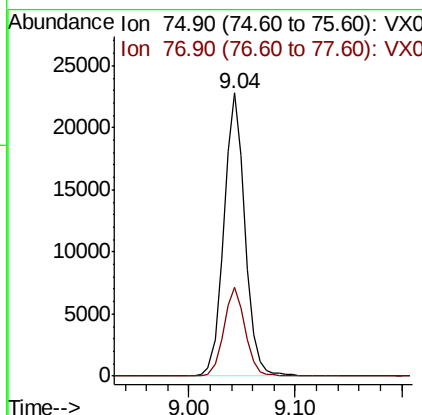
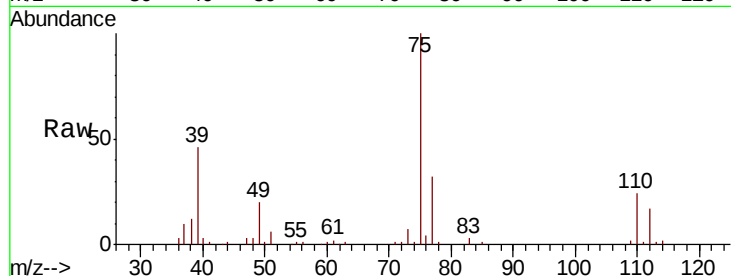




#53
 t-1,3-Dichloropropene
 Concen: 19.657 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

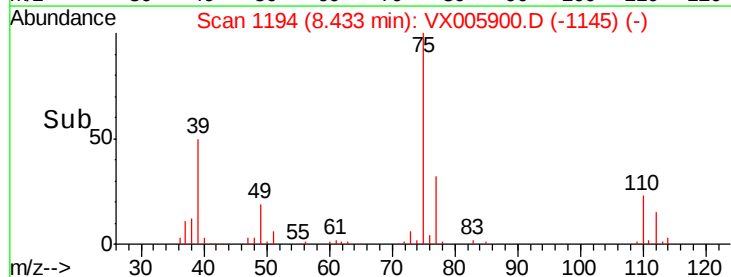
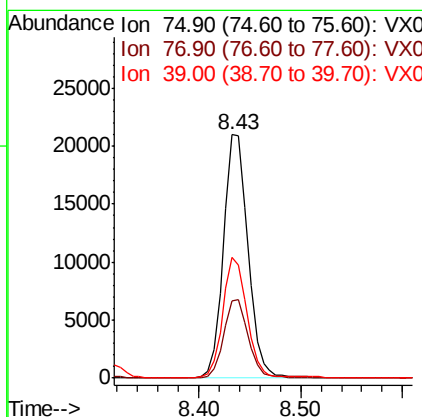
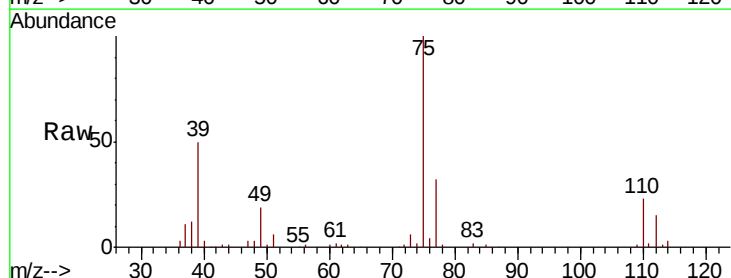
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

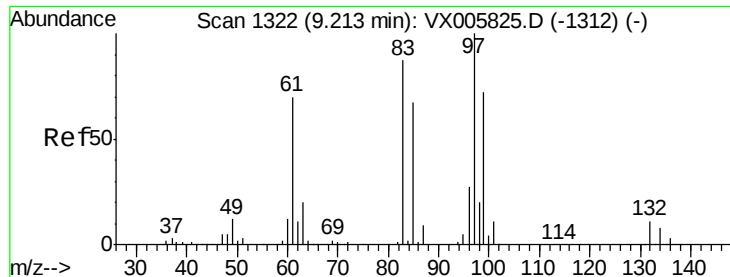
Tot Ion: 75 Resp: 31613
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.374 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion: 75 Resp: 35036
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 49.6 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 19.413 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

Tot Ion: 97 Resp: 22893

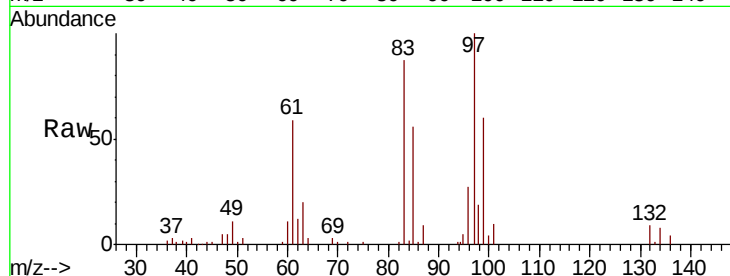
Ion Ratio Lower Upper

97 100

83 86.8 70.7 106.1

85 55.9 45.8 68.6

99 59.9 51.8 77.8

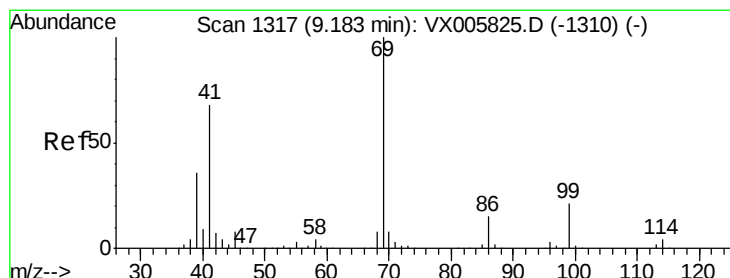
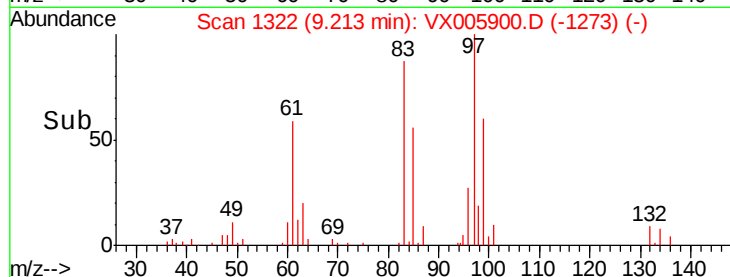
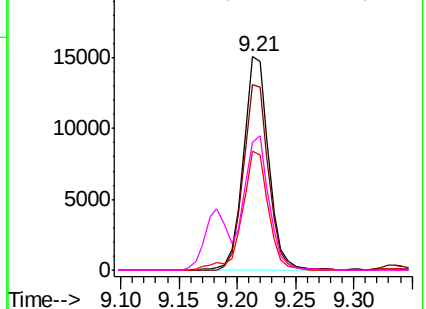


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.637 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

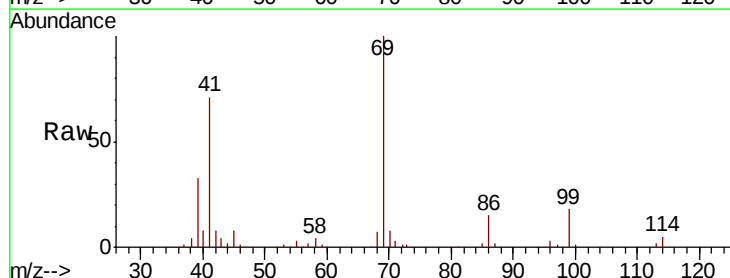
Tgt Ion: 69 Resp: 34649

Ion Ratio Lower Upper

69 100

41 70.9 57.0 85.6

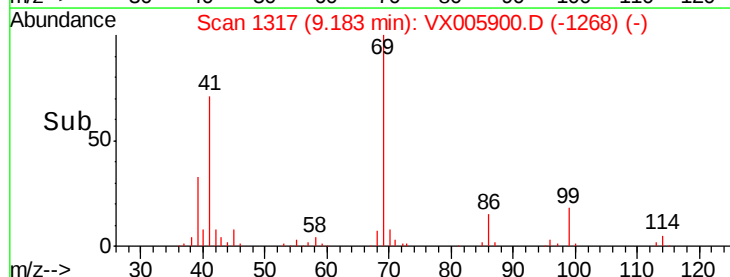
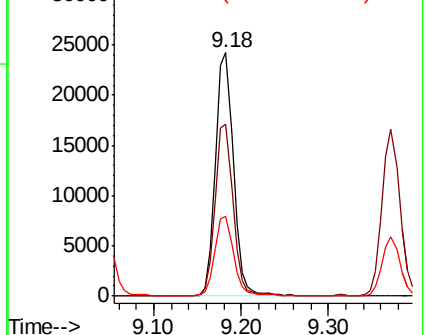
39 34.9 28.3 42.5

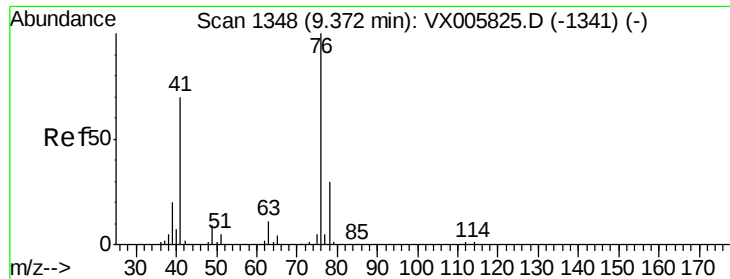


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.244 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

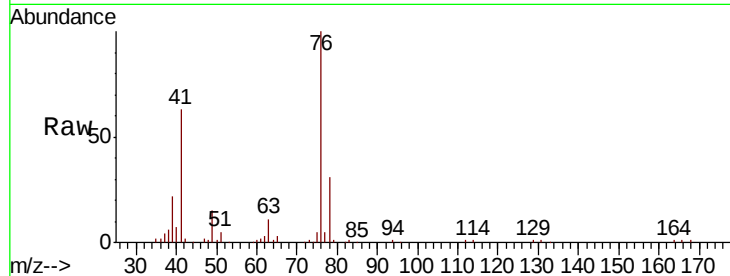
VX1112WBS01

Tot Ion: 76 Resp: 38137

Ion Ratio Lower Upper

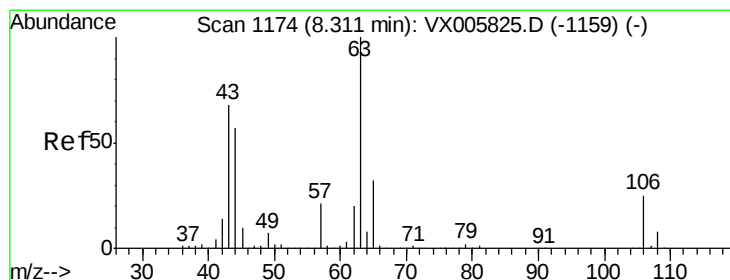
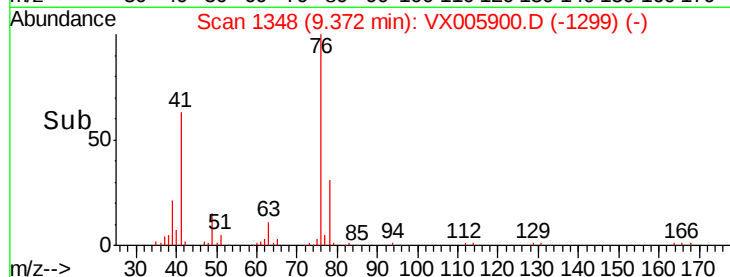
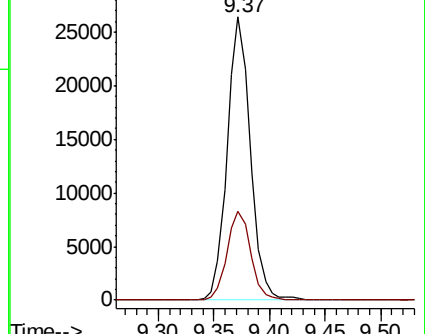
76 100

78 32.2 25.3 37.9



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: 112.497 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX005900.D

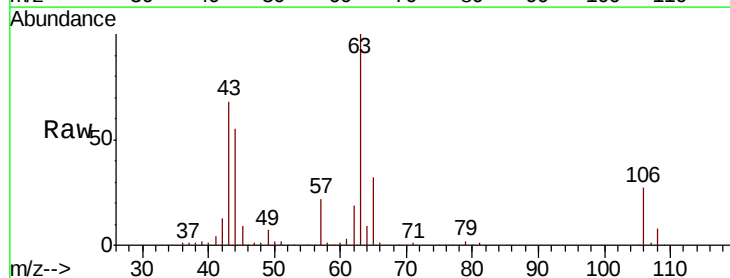
Acq: 12 Nov 2018 15:08

Tgt Ion: 63 Resp: 103637

Ion Ratio Lower Upper

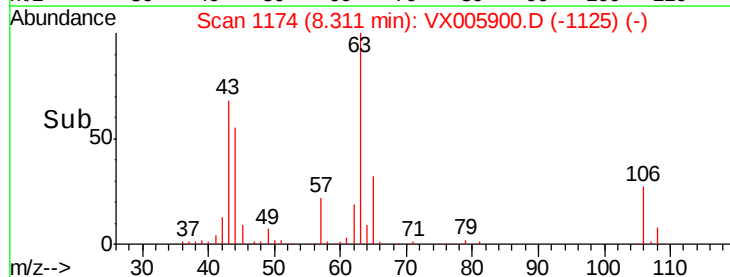
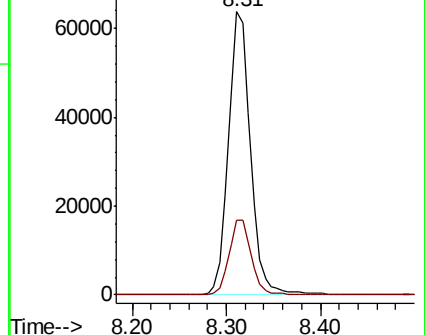
63 100

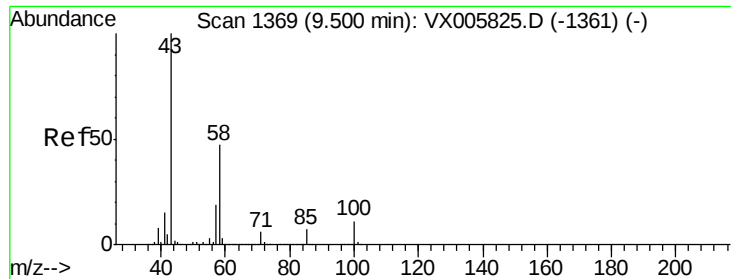
106 26.8 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

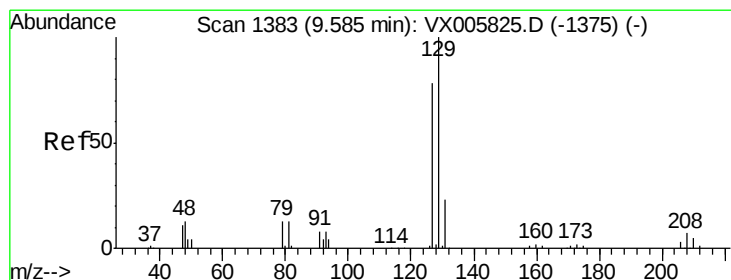
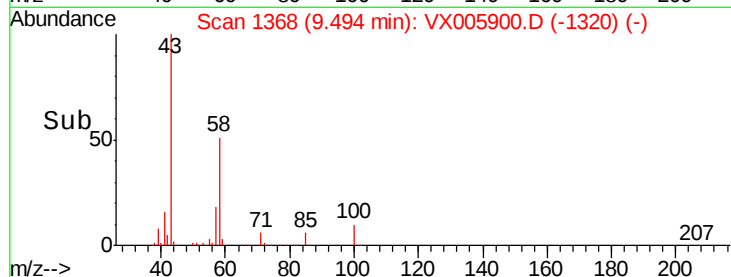
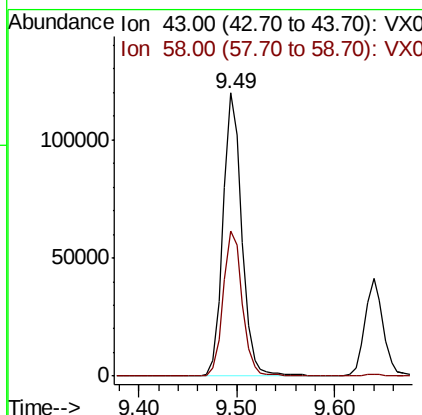
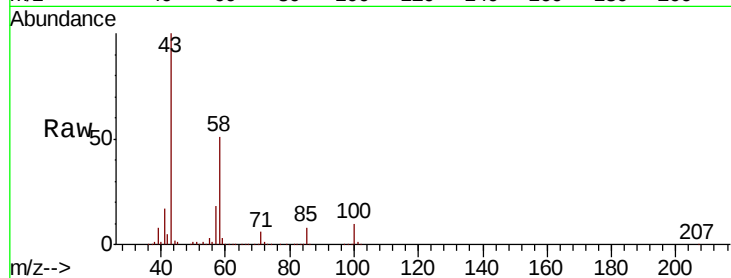




#59
2-Hexanone
Concen: 93.124 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

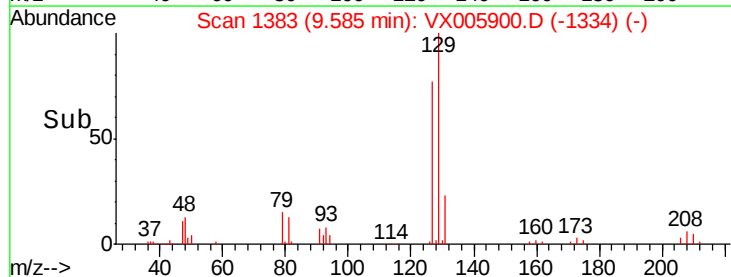
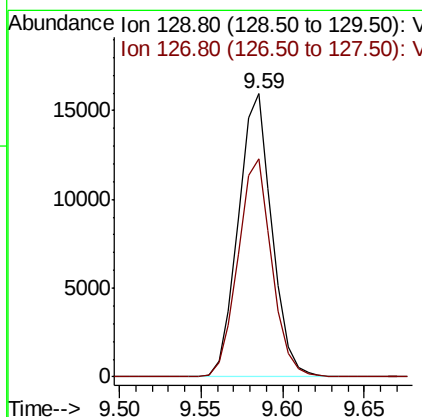
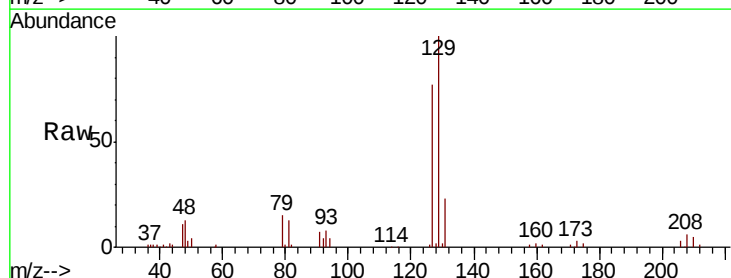
Instrument :
MSVOA_X
ClientSampled :
VX1112WBS01

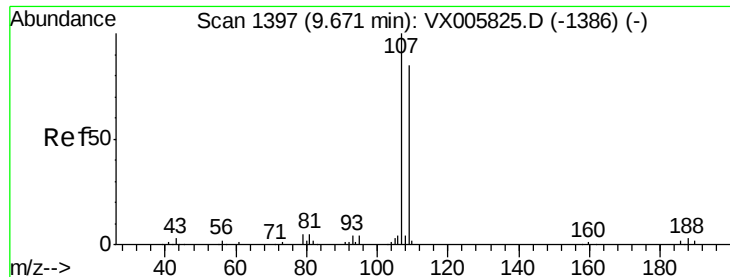
Tot Ion: 43 Resp: 160095
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.8



#60
Dibromochloromethane
Concen: 17.921 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 129 Resp: 22841
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.240 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

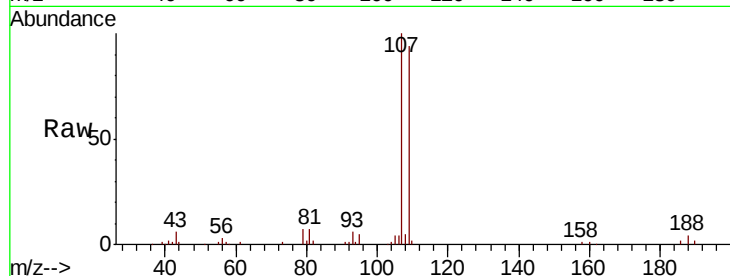
VX1112WBS01

Tot Ion:107 Resp: 23785

Ion Ratio Lower Upper

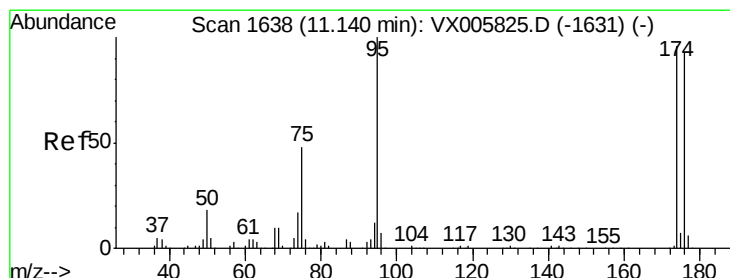
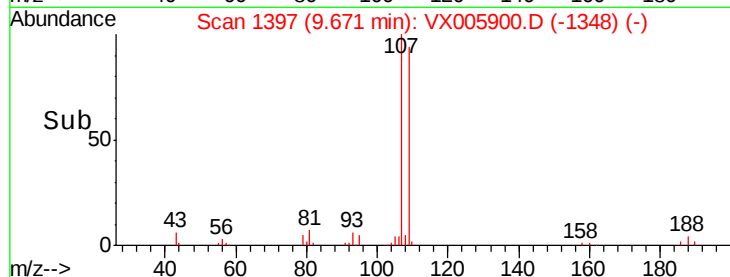
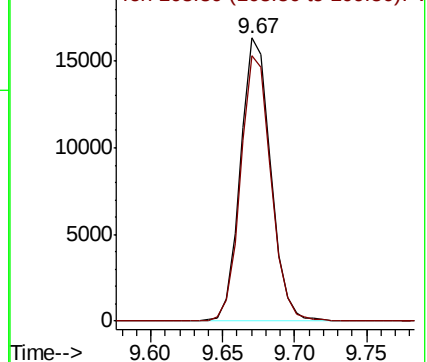
107 100

109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.592 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

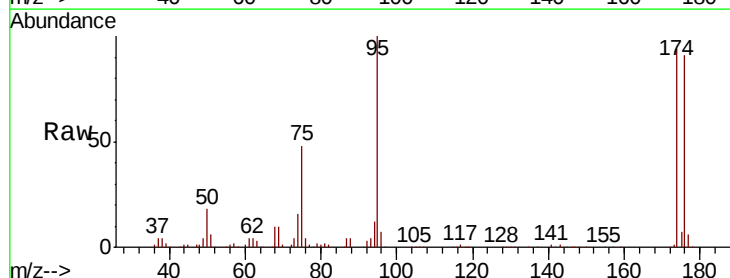
Tgt Ion: 95 Resp: 77510

Ion Ratio Lower Upper

95 100

174 91.0 0.0 184.4

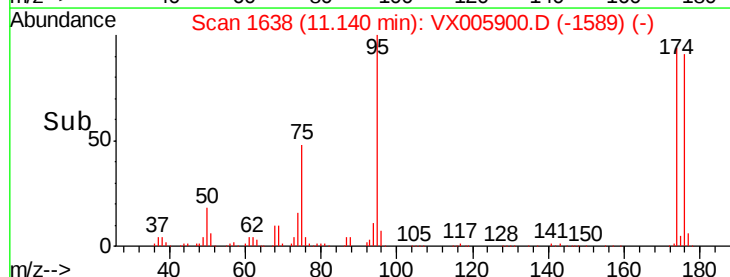
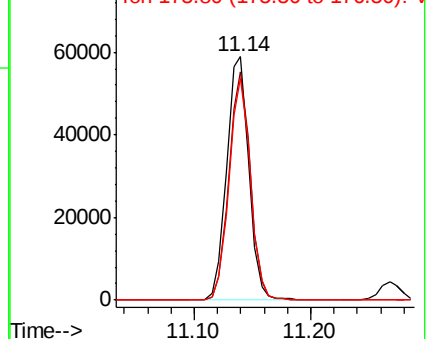
176 88.5 0.0 177.4

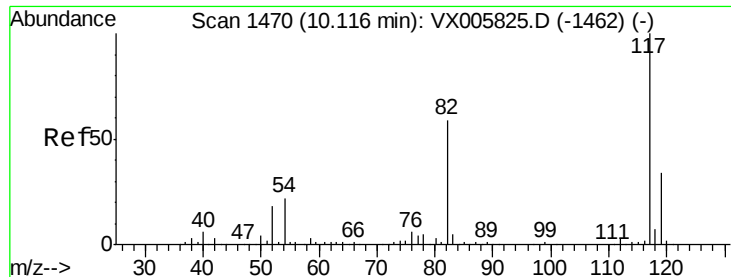


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

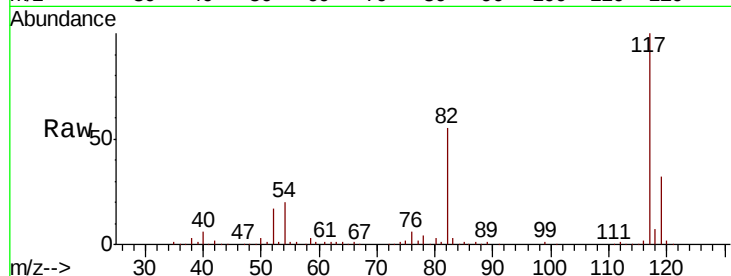




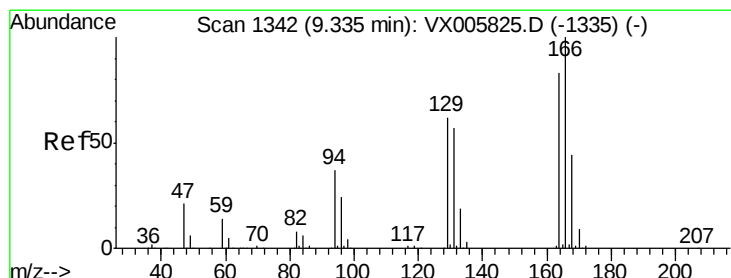
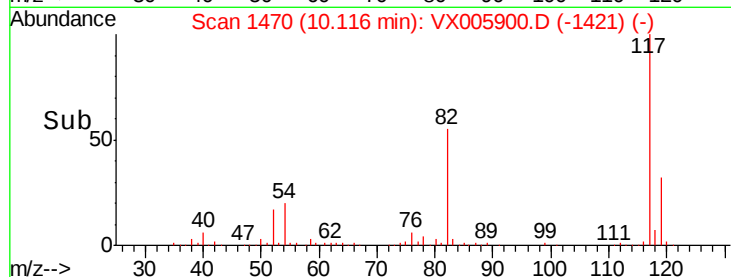
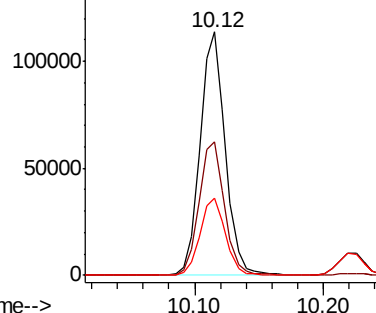
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Instrument :
MSVOA_X
ClientSampled :
VX1112WBS01

Tot Ion:117 Resp: 155509
Ion Ratio Lower Upper
117 100
82 54.6 44.1 66.1
119 31.6 26.2 39.2

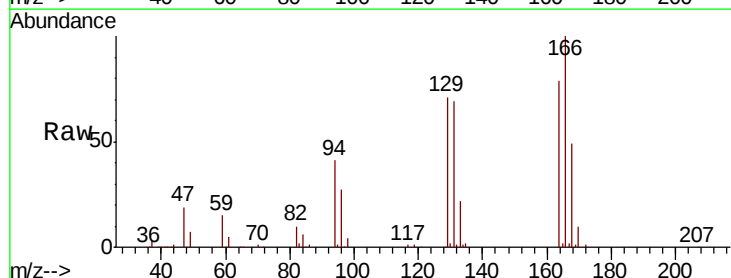


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

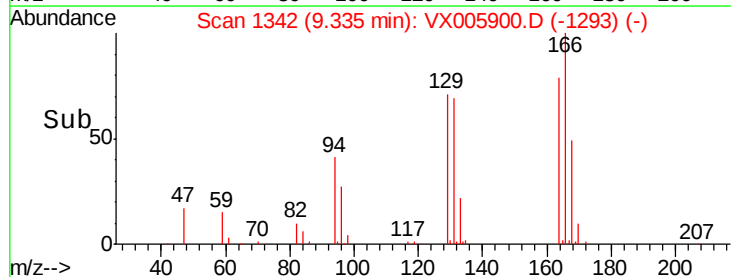
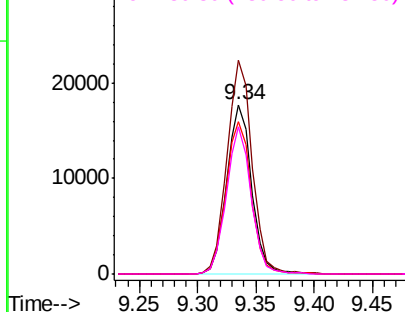


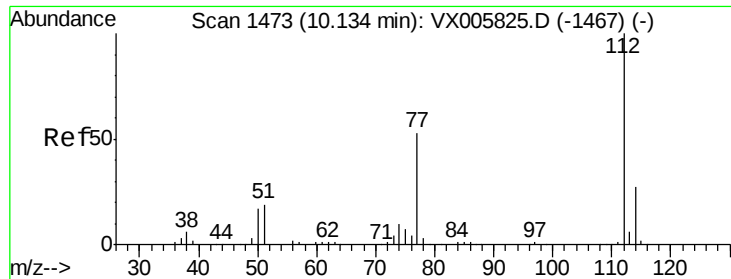
#64
Tetrachloroethene
Concen: 19.894 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion:164 Resp: 26339
Ion Ratio Lower Upper
164 100
166 126.4 101.9 152.9
129 90.0 72.6 109.0
131 87.2 71.1 106.7



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





#65

Chlorobenzene

Concen: 19.860 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

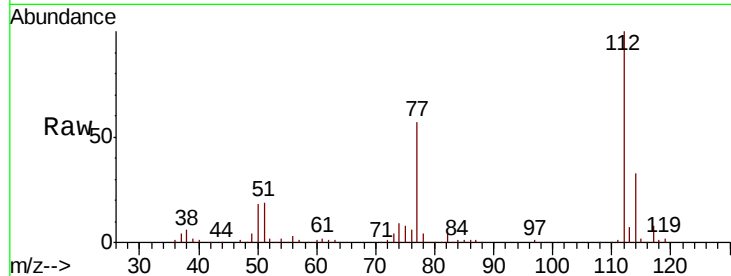
VX1112WBS01

Tot Ion:112 Resp: 61870

Ion Ratio Lower Upper

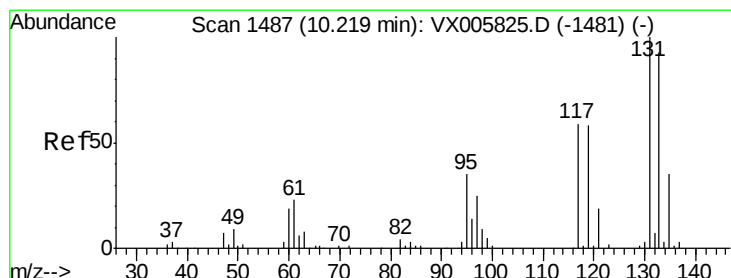
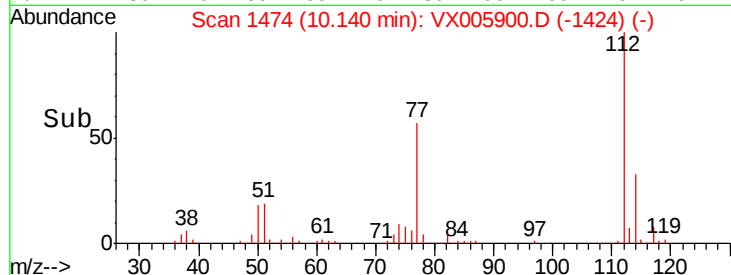
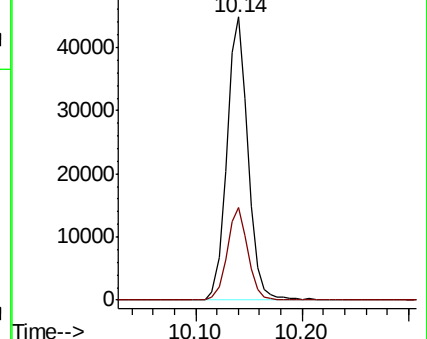
112 100

114 32.5 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.627 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

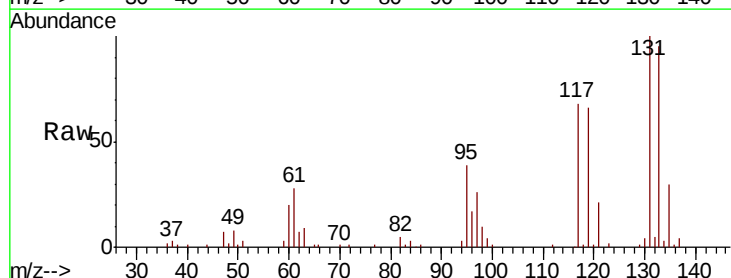
Tgt Ion:131 Resp: 22341

Ion Ratio Lower Upper

131 100

133 94.5 47.5 142.5

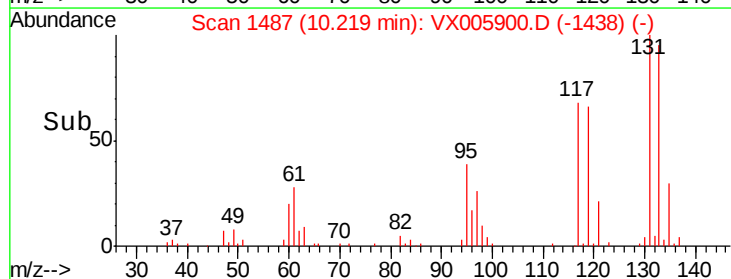
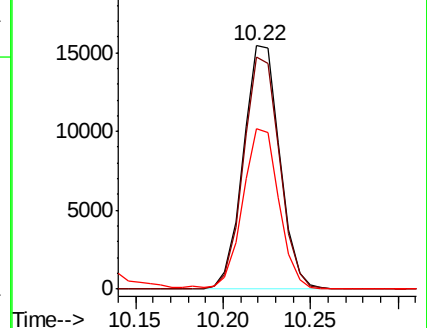
119 65.1 31.8 95.3

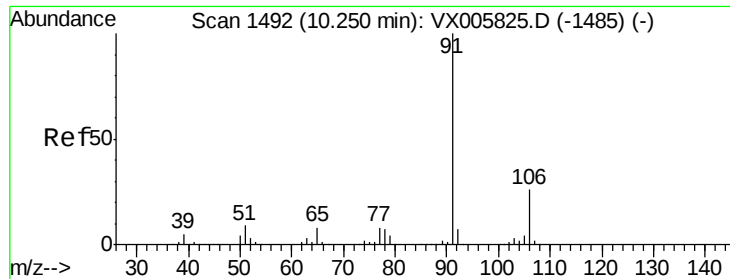


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.839 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

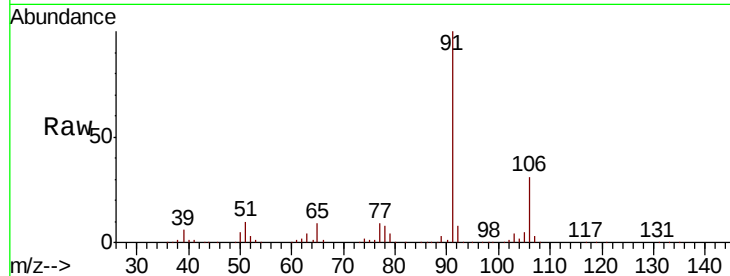
VX1112WBS01

Tot Ion: 91 Resp: 104103

Ion Ratio Lower Upper

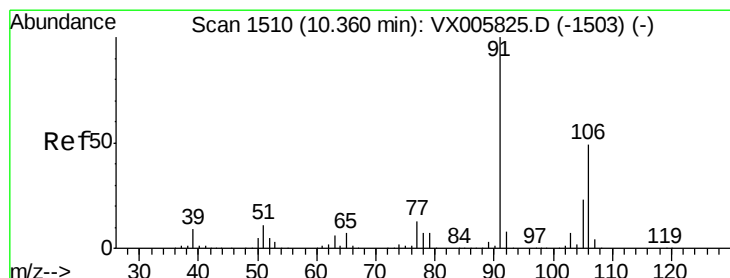
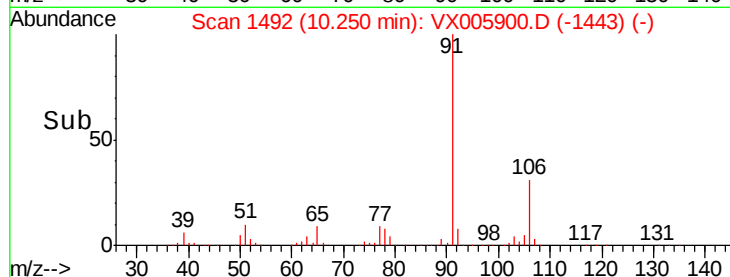
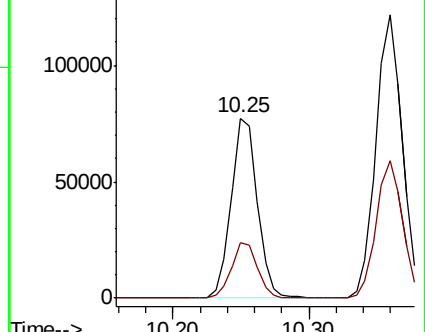
91 100

106 31.2 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)



#68

m/p-Xylenes

Concen: 42.343 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005900.D

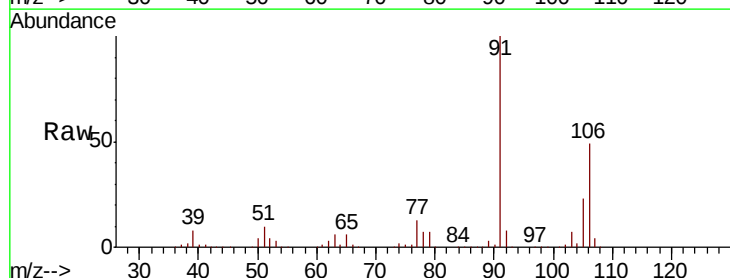
Acq: 12 Nov 2018 15:08

Tgt Ion: 106 Resp: 80684

Ion Ratio Lower Upper

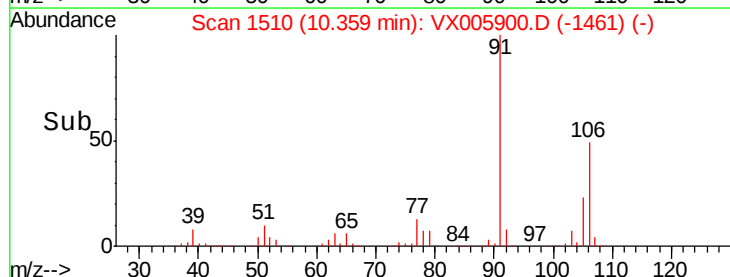
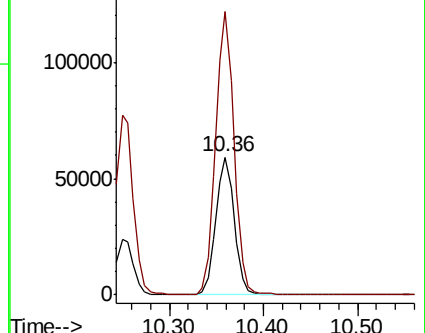
106 100

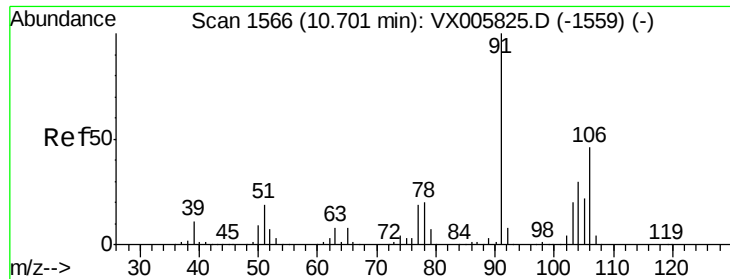
91 205.3 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

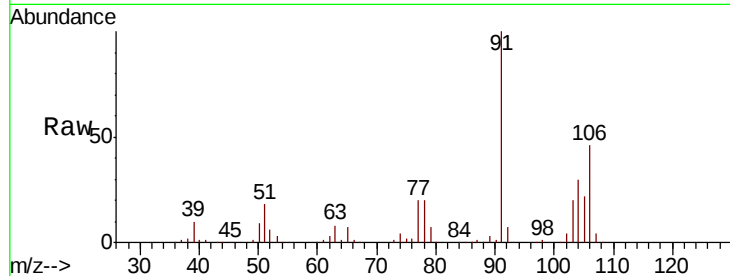




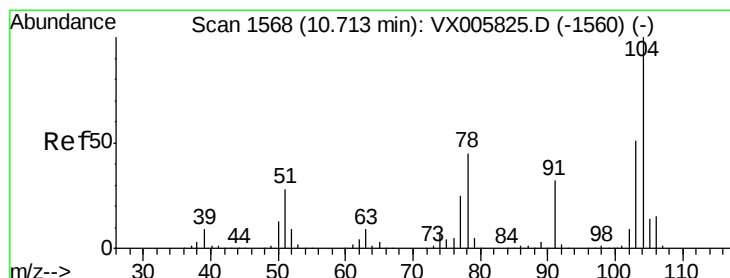
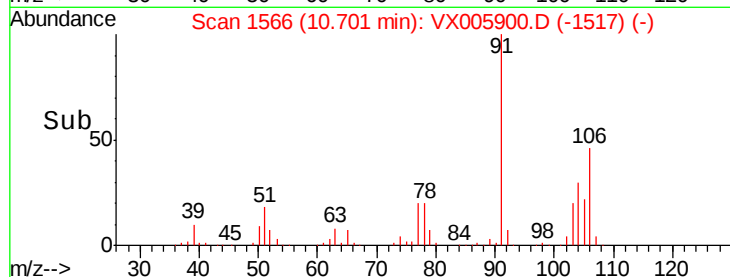
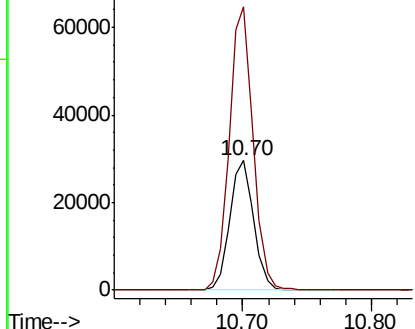
#69
o-Xylene
Concen: 22.599 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Instrument :
MSVOA_X
ClientSampled :
VX1112WBS01

Tot Ion:106 Resp: 38614
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5

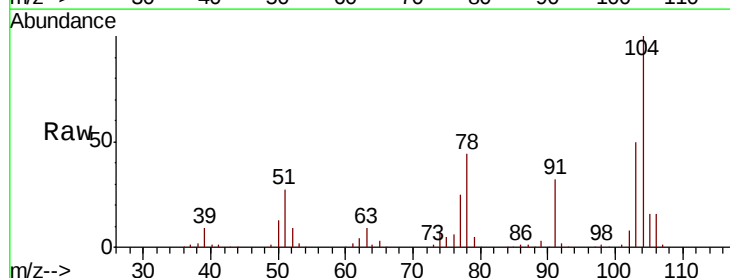


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

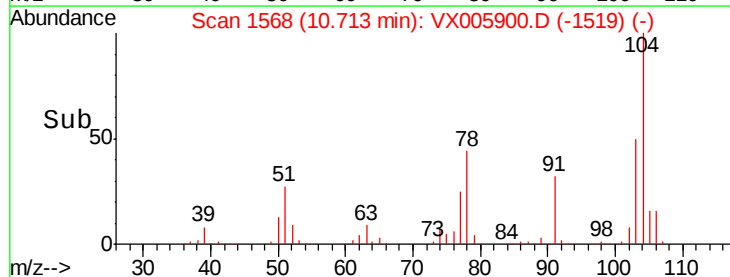
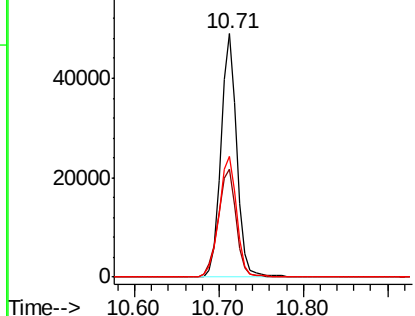


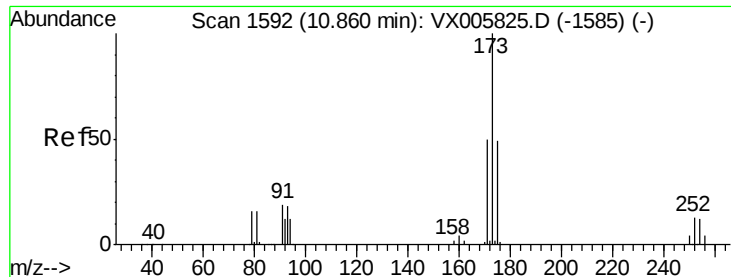
#70
Styrene
Concen: 22.710 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion:104 Resp: 64012
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.4
103 55.1 44.9 67.3



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





#71

Bromoform

Concen: 20.264 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

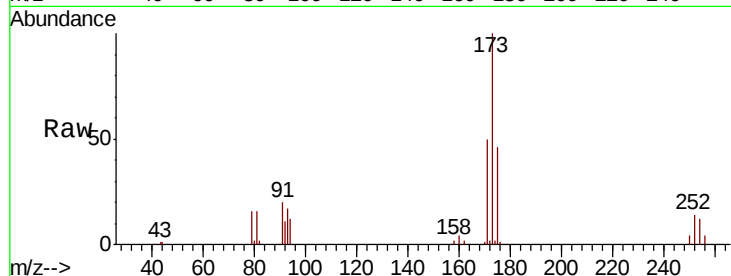
Tot Ion:173 Resp: 18398

Ion Ratio Lower Upper

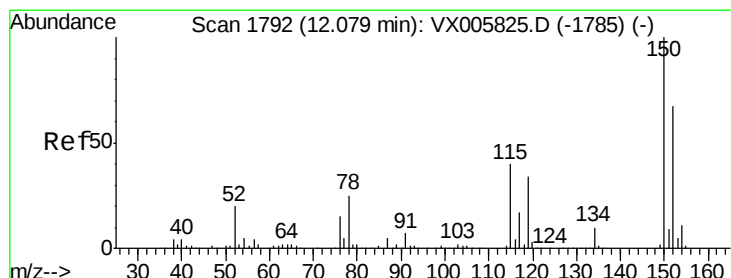
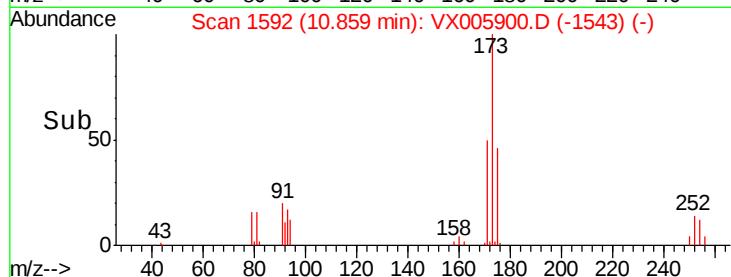
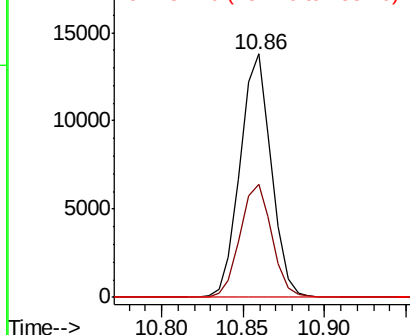
173 100

175 47.2 24.8 74.3

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: VX005900.D

Acq: 12 Nov 2018 15:08

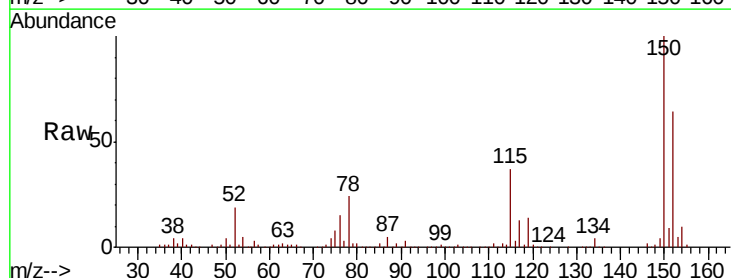
Tgt Ion:152 Resp: 84456

Ion Ratio Lower Upper

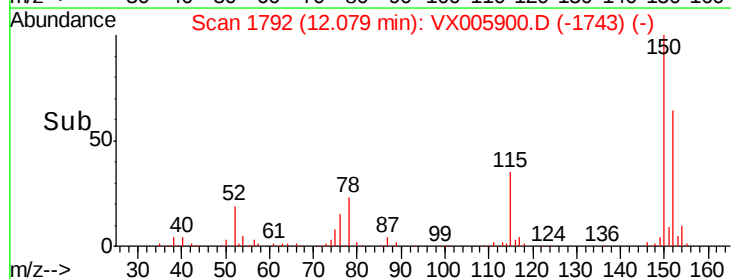
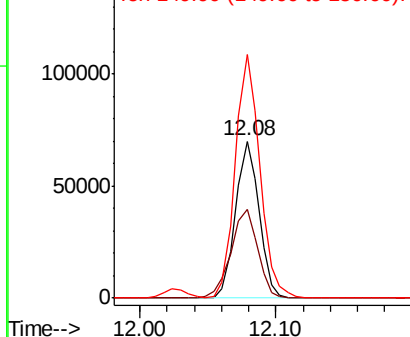
152 100

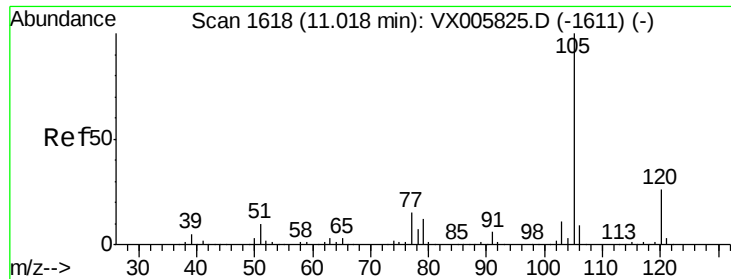
115 64.2 39.4 118.1

150 162.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.722 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

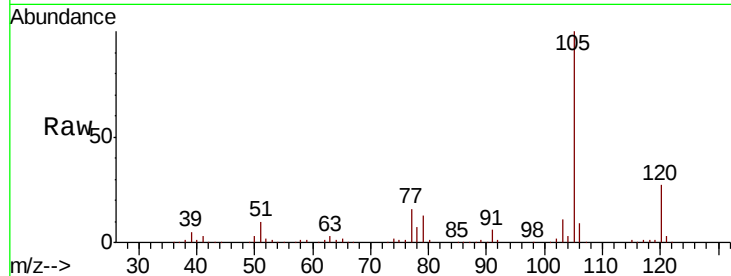
VX1112WBS01

Tot Ion:105 Resp: 106091

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

60000

40000

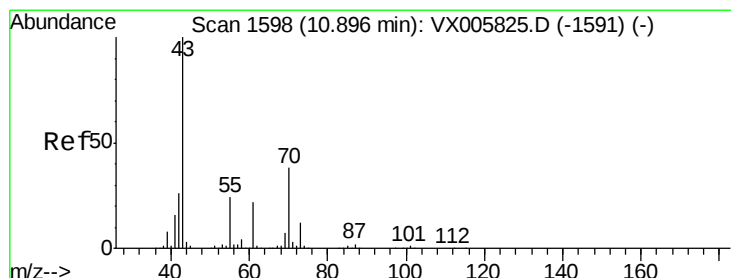
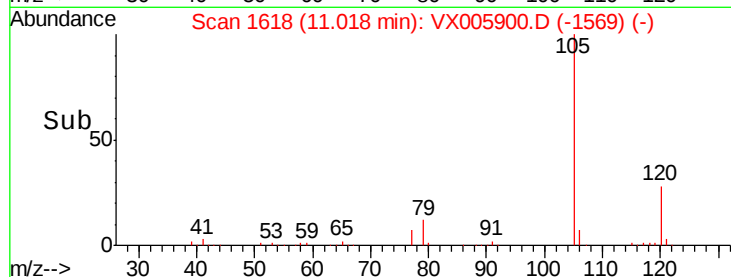
20000

0

Time-->

11.00

11.10



#74

N-ethyl acetate

Concen: 19.221 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Tgt Ion: 43 Resp: 50510

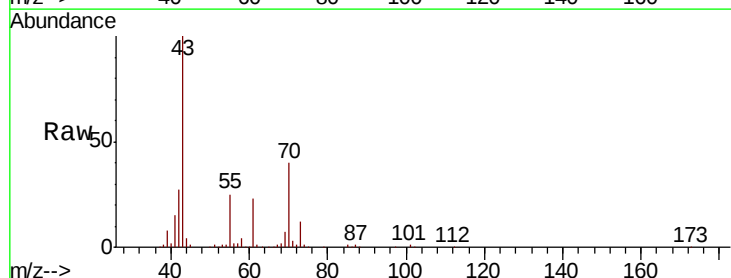
Ion Ratio Lower Upper

43 100

70 39.9 31.6 47.4

55 25.1 19.7 29.5

61 23.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

60000

50000

40000

30000

20000

10000

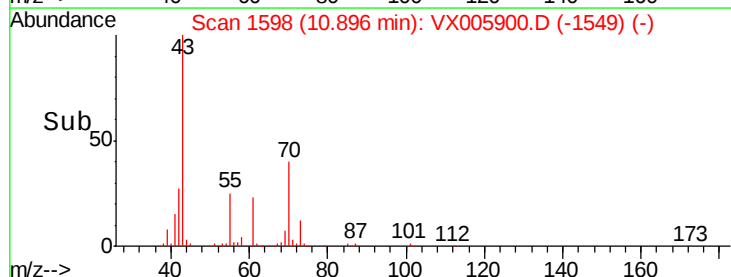
0

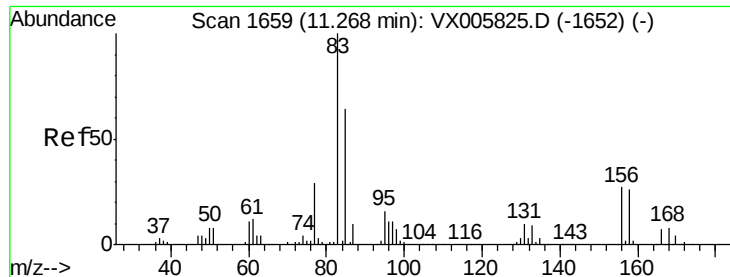
Time-->

10.80

10.90

11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 20.200 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

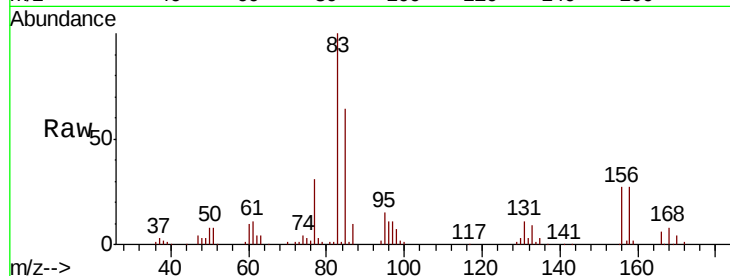
Tot Ion: 83 Resp: 36211

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

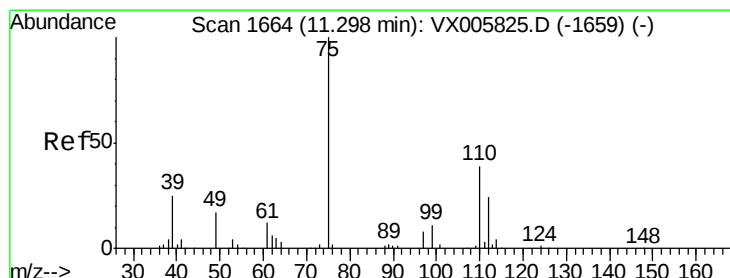
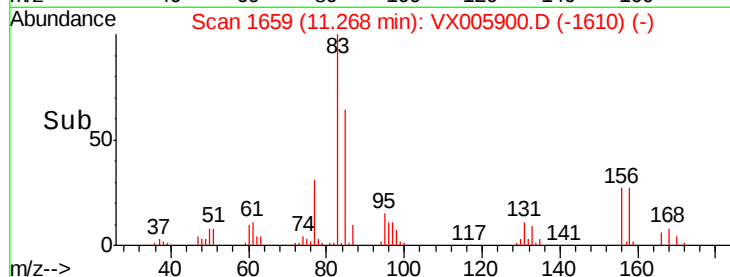
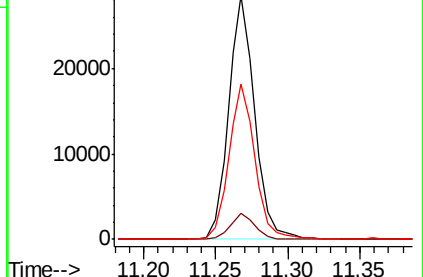
85 63.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX005825.D (-1652) (-)

Ion 130.80 (130.50 to 131.50): VX005825.D (-1652) (-)

Ion 84.90 (84.60 to 85.60): VX005825.D (-1652) (-)



#76

1,2,3-Trichloropropane

Concen: 25.351 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005900.D

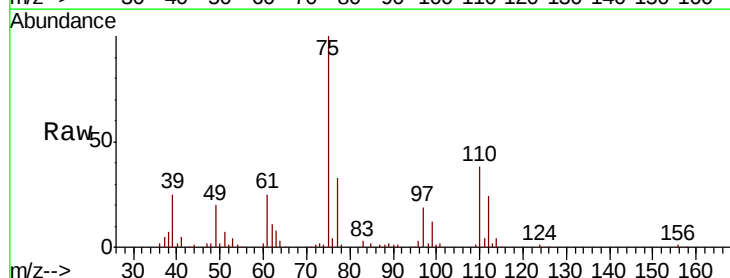
Acq: 12 Nov 2018 15:08

Tgt Ion: 75 Resp: 43596

Ion Ratio Lower Upper

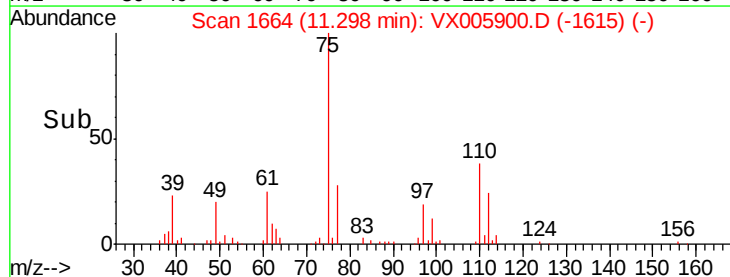
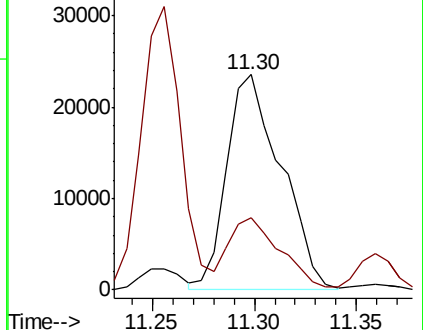
75 100

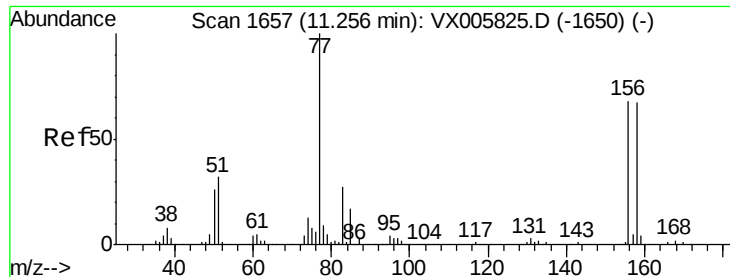
77 31.7 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX005825.D (-1659) (-)

Ion 77.00 (76.70 to 77.70): VX005825.D (-1659) (-)





#77

Bromobenzene

Concen: 20.487 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

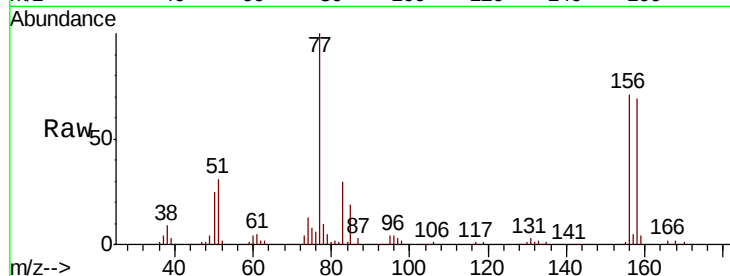
Tot Ion:156 Resp: 28202

Ion Ratio Lower Upper

156 100

77 148.6 74.8 224.4

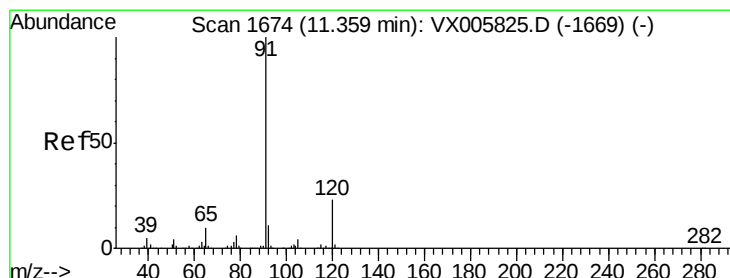
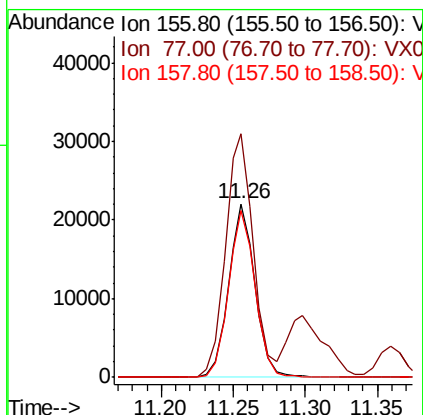
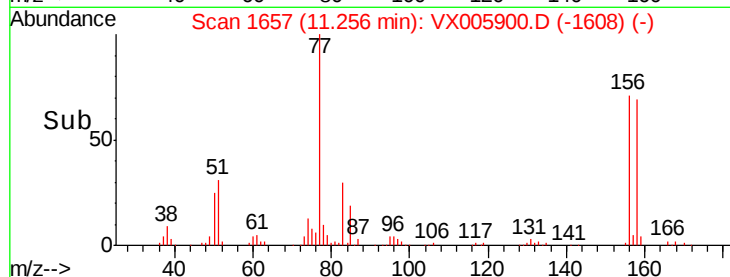
158 97.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.103 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005900.D

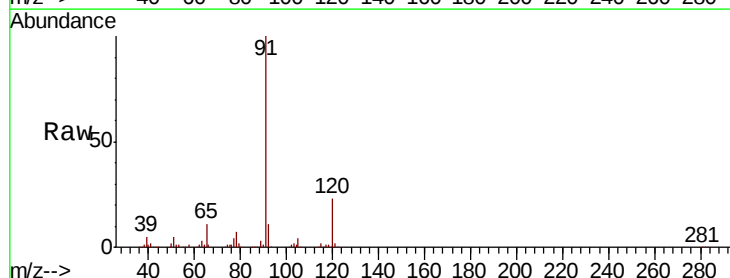
Acq: 12 Nov 2018 15:08

Tgt Ion: 91 Resp: 121468

Ion Ratio Lower Upper

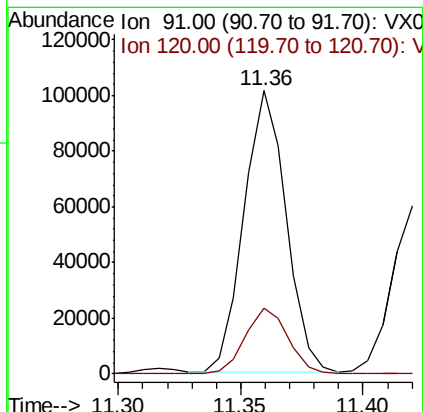
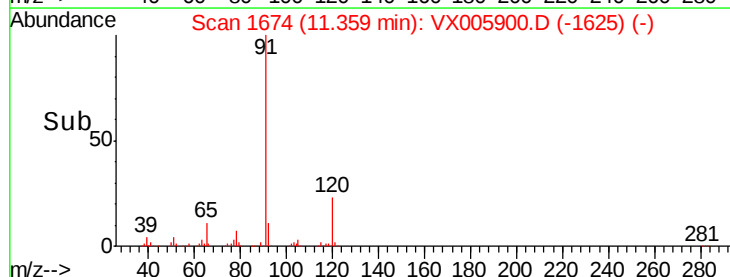
91 100

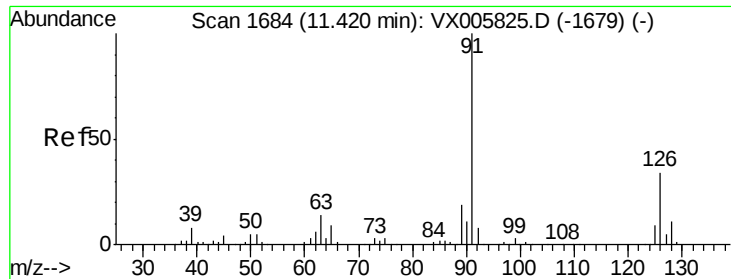
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

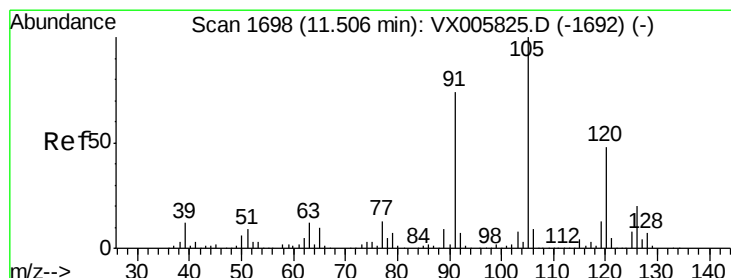
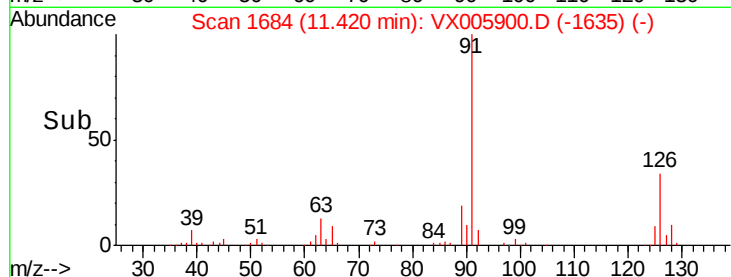
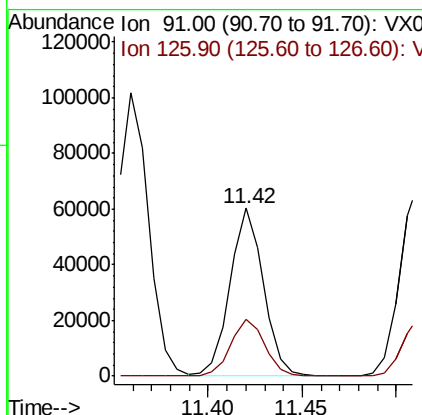
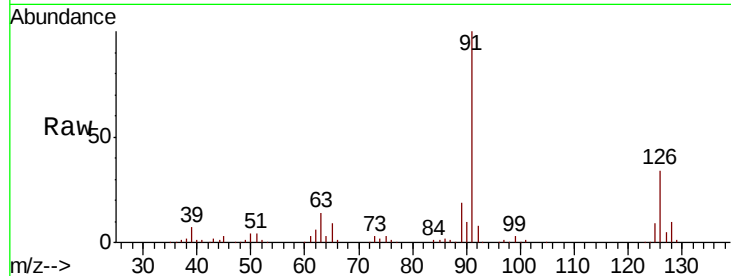




#79
 2-Chlorotoluene
 Concen: 21.077 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

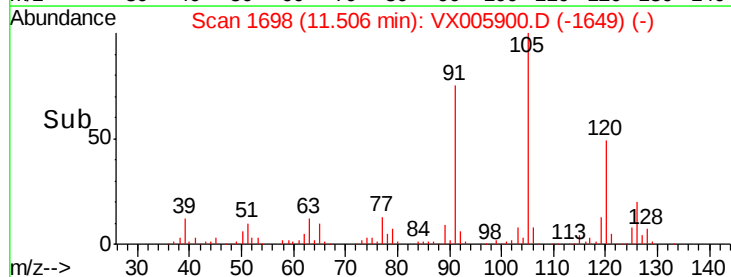
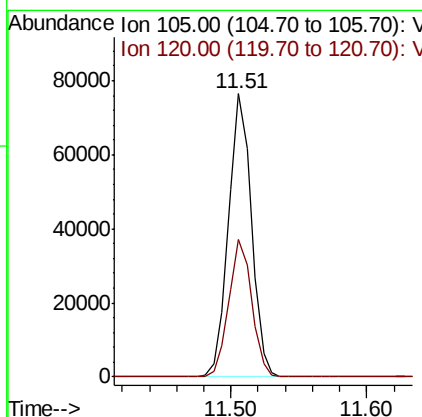
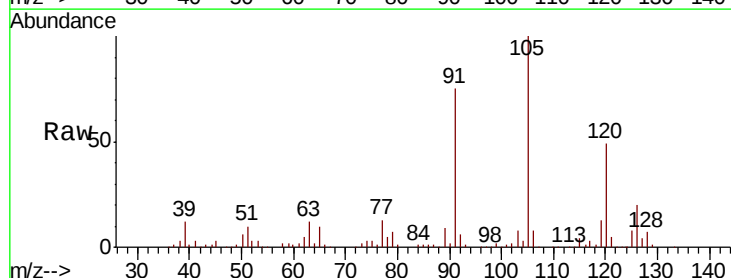
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

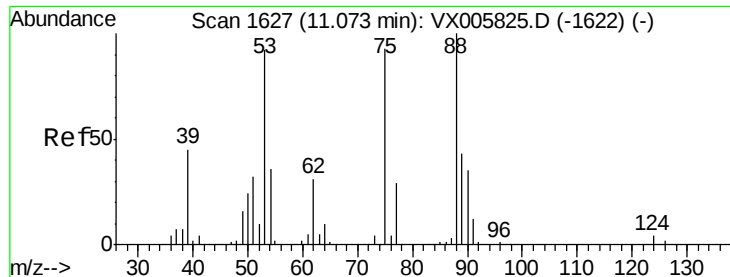
Tot Ion: 91 Resp: 73329
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.656 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion: 105 Resp: 89879
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.843 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

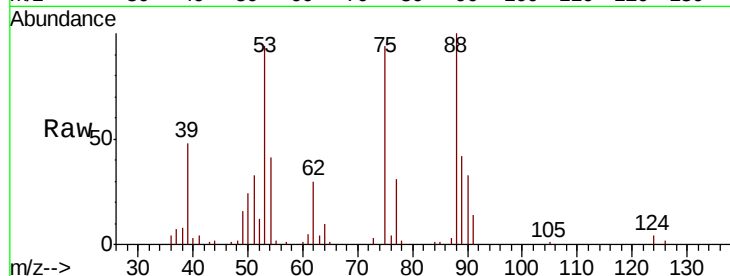
Tot Ion: 75 Resp: 10707

Ion Ratio Lower Upper

75 100

53 100.0 80.2 120.2

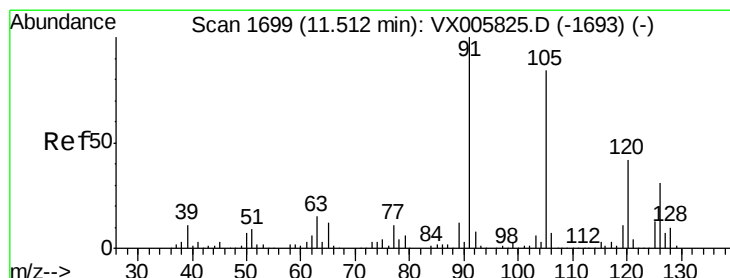
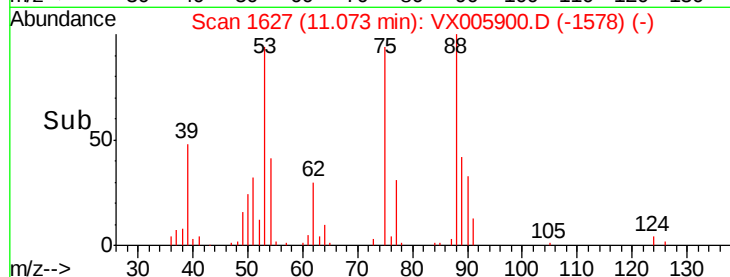
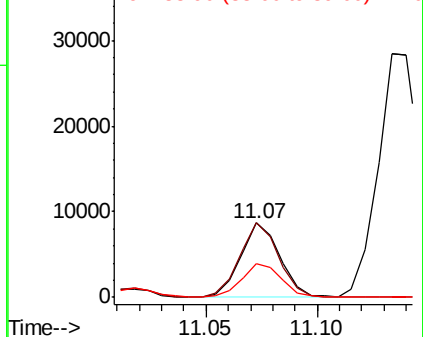
89 45.8 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.189 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005900.D

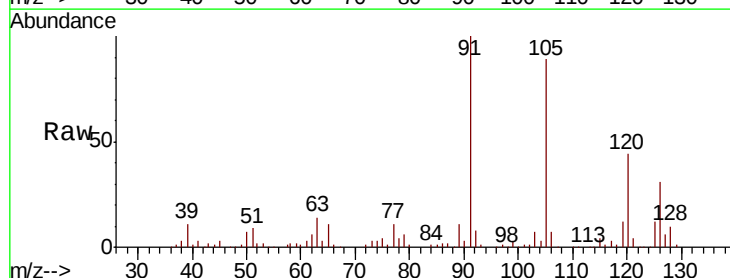
Acq: 12 Nov 2018 15:08

Tgt Ion: 91 Resp: 86879

Ion Ratio Lower Upper

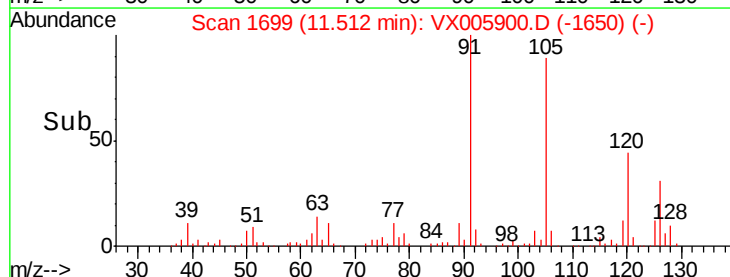
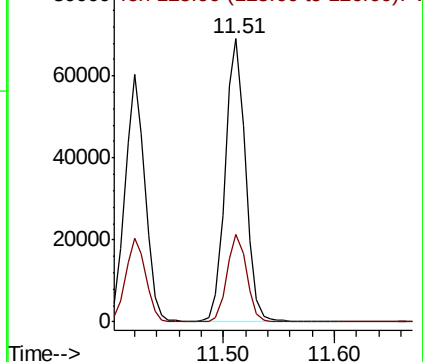
91 100

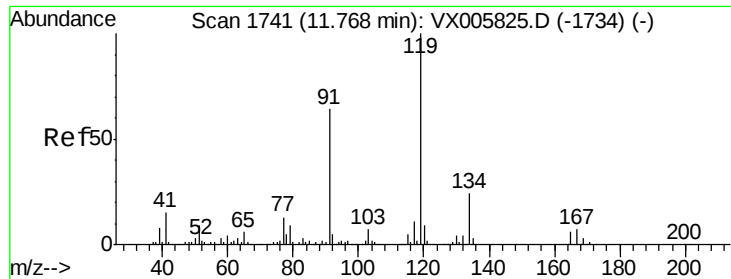
126 30.0 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.728 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS01

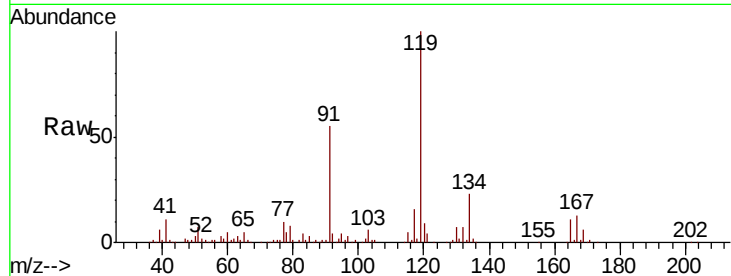
Tot Ion:119 Resp: 87033

Ion Ratio Lower Upper

119 100

91 58.0 28.5 85.5

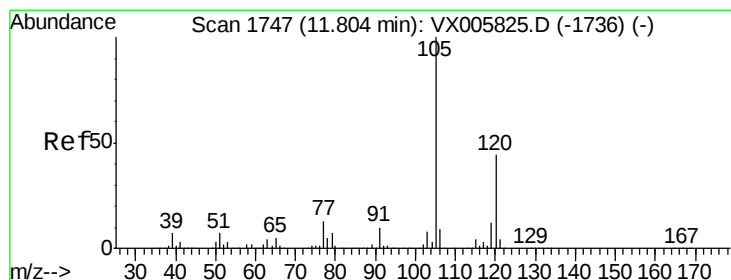
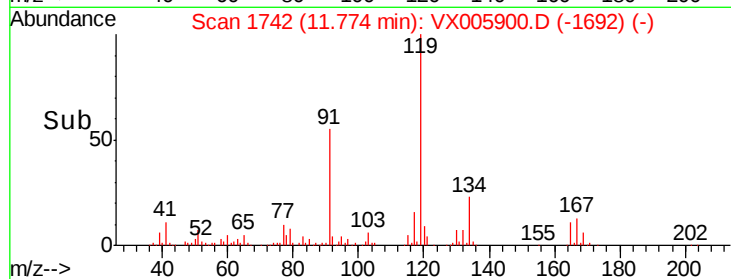
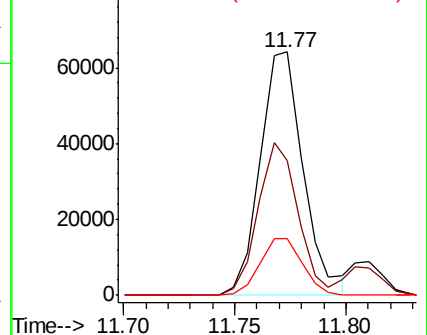
134 23.1 11.3 33.8



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: 20.145 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX005900.D

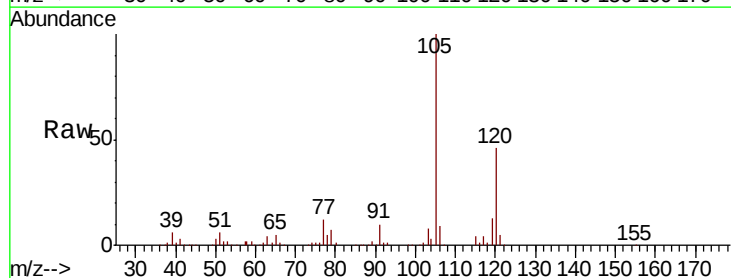
Acq: 12 Nov 2018 15:08

Tgt Ion:105 Resp: 92596

Ion Ratio Lower Upper

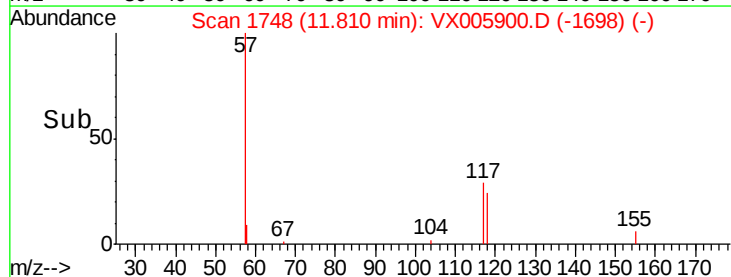
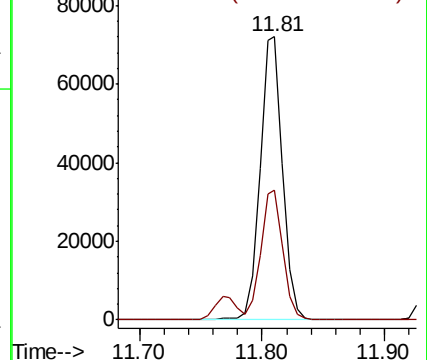
105 100

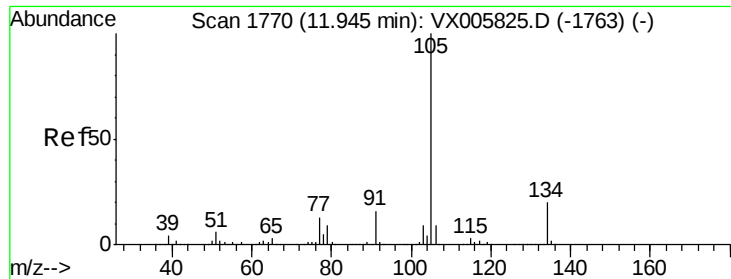
120 44.9 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

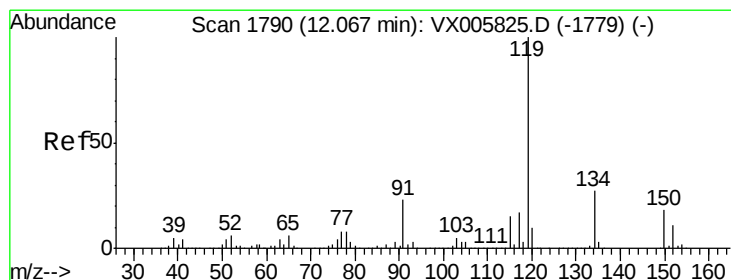
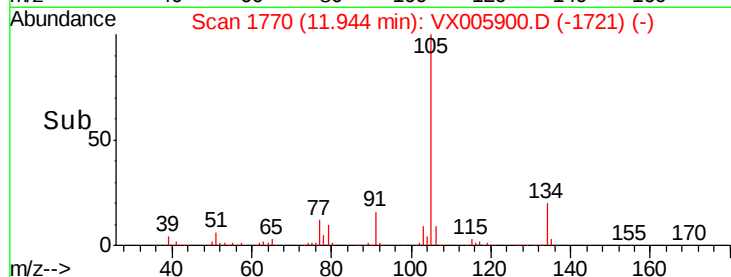
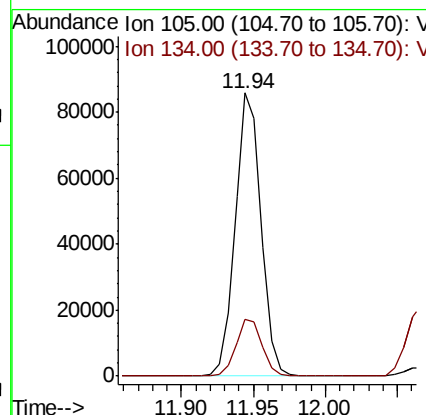
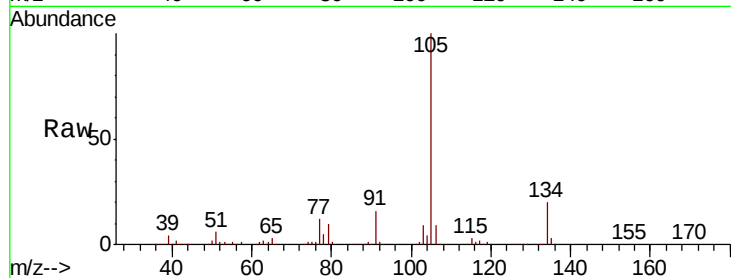




#85
 sec-Butylbenzene
 Concen: 20.924 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

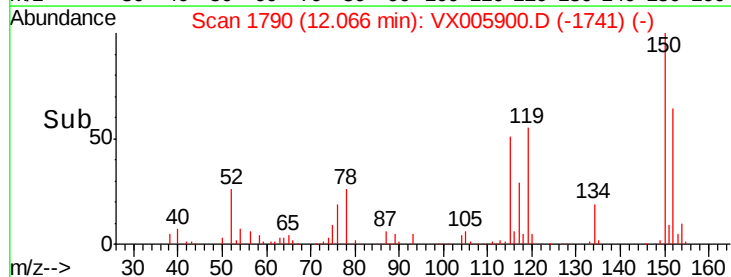
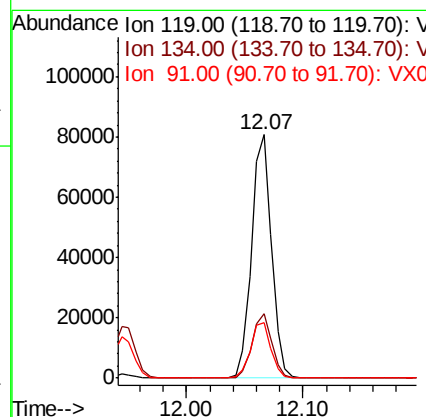
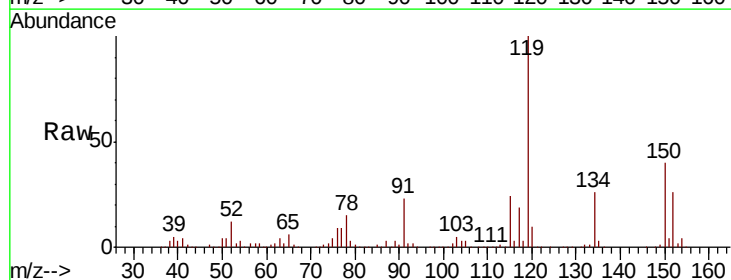
Instrument :
 MSVOA_X
 ClientSampleID :
 VX1112WBS01

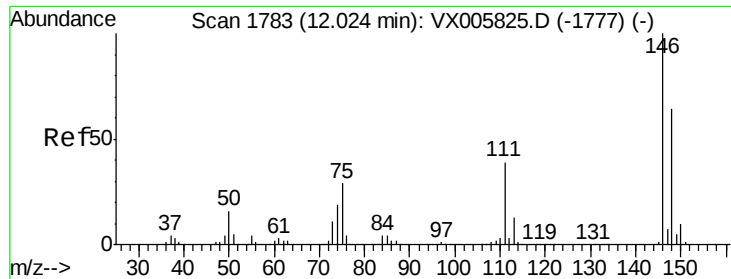
Tot Ion:105 Resp: 107436
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.235 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion:119 Resp: 96577
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 23.5 11.4 34.2

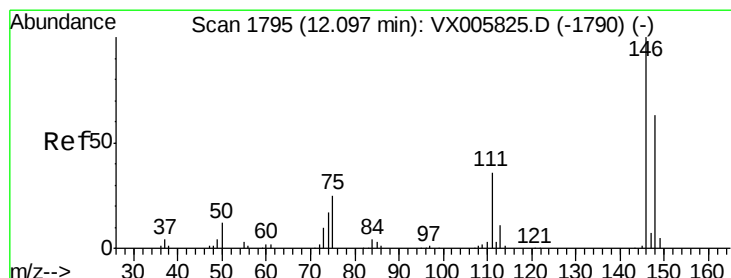
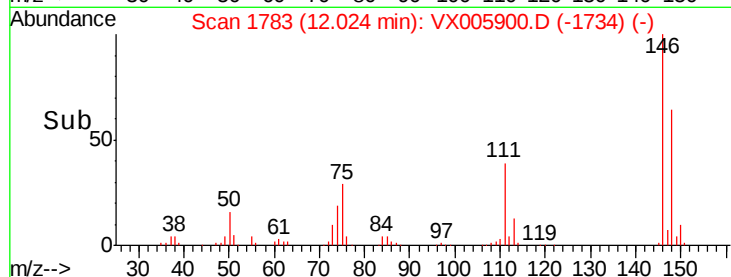
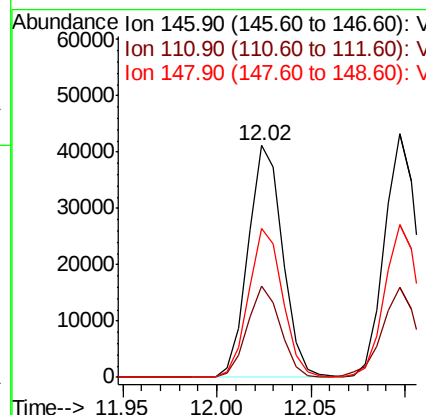
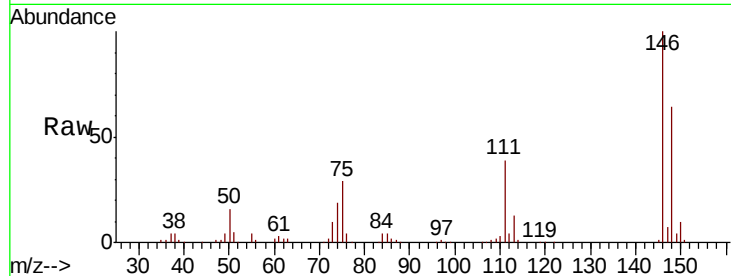




#87
 1,3-Dichlorobenzene
 Concen: 19.813 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

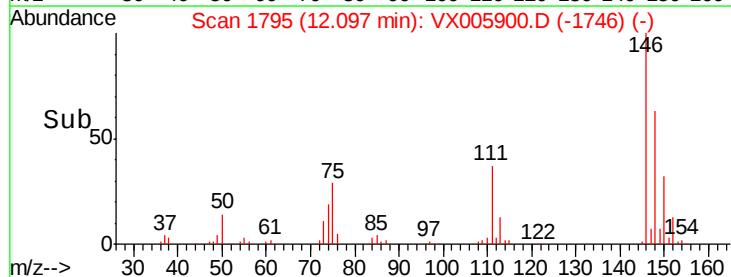
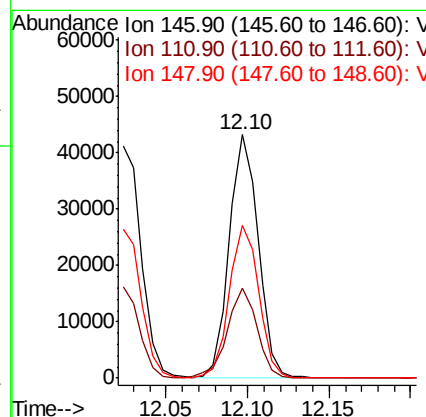
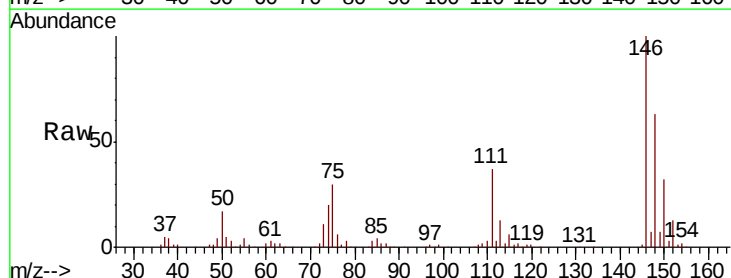
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

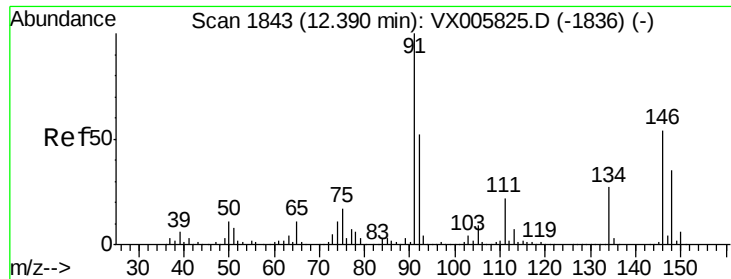
Tot Ion:146 Resp: 52345
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.0 57.0
 148 63.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion:146 Resp: 53459
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.8
 148 63.9 32.1 96.3

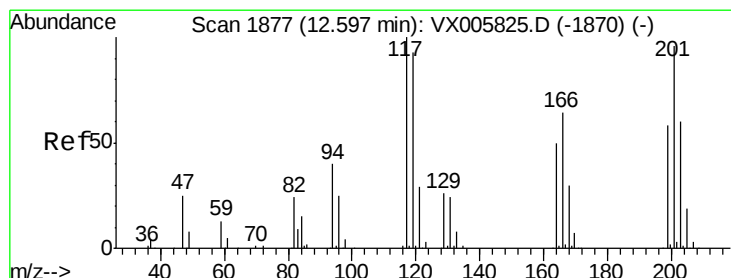
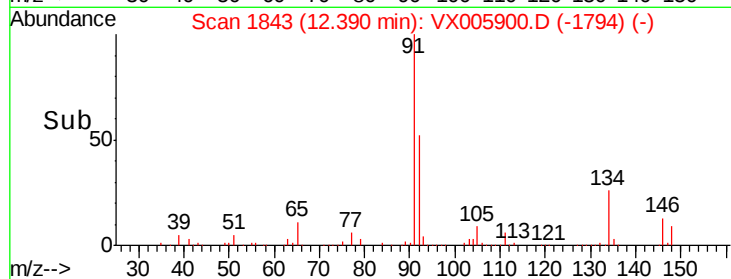
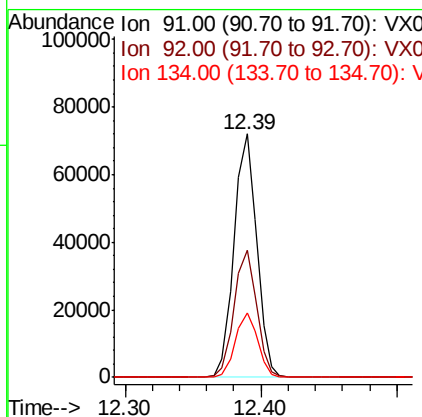
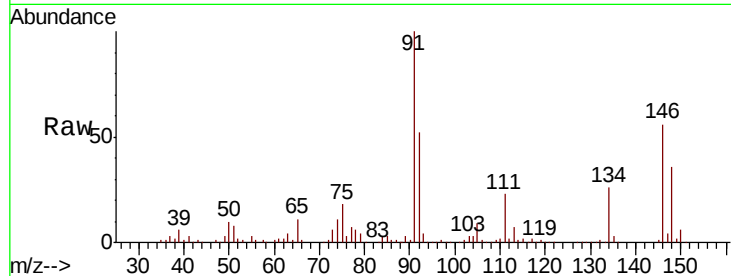




#89
n-Butylbenzene
Concen: 19.922 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

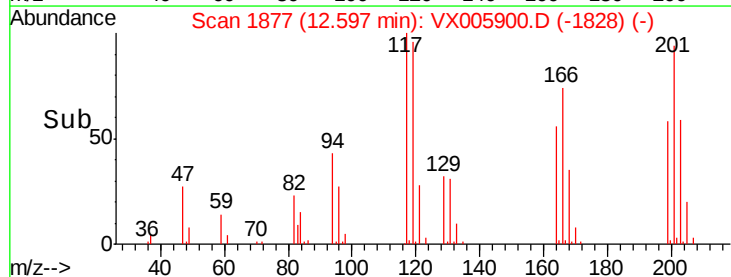
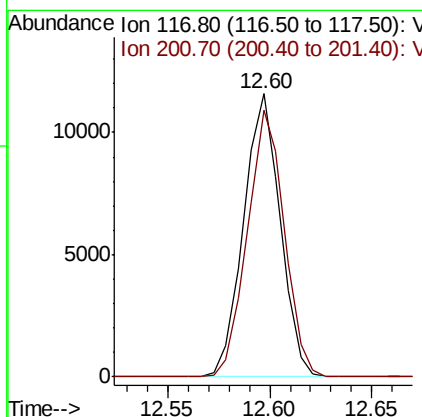
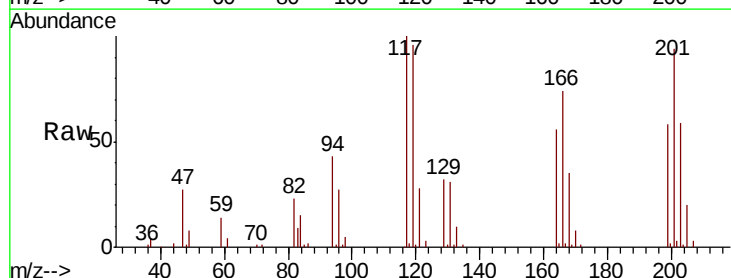
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS01

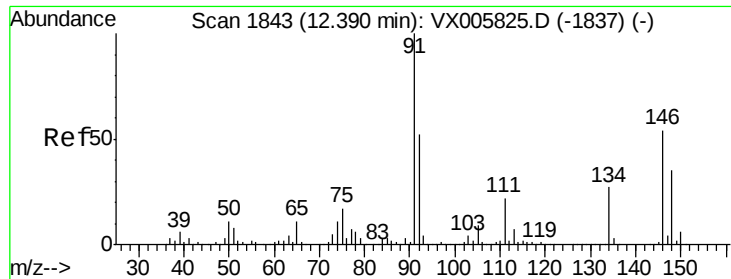
Tot Ion: 91 Resp: 83973
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 26.1 13.1 39.3



#90
Hexachloroethane
Concen: 18.992 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005900.D
Acq: 12 Nov 2018 15:08

Tgt Ion: 117 Resp: 14421
Ion Ratio Lower Upper
117 100
201 95.3 47.9 143.6

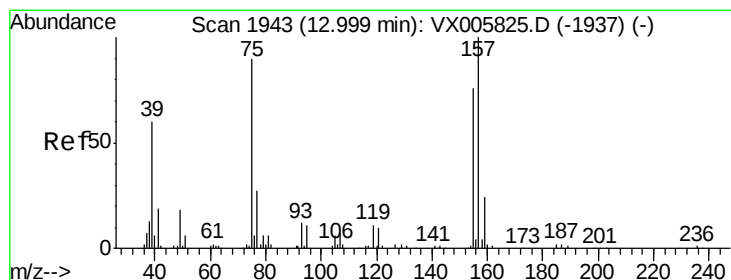
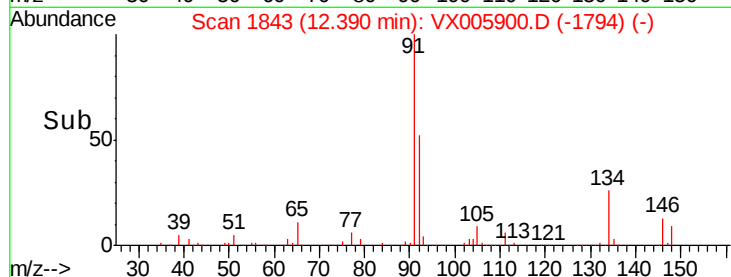
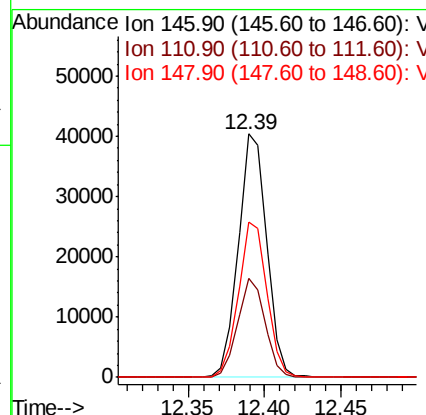
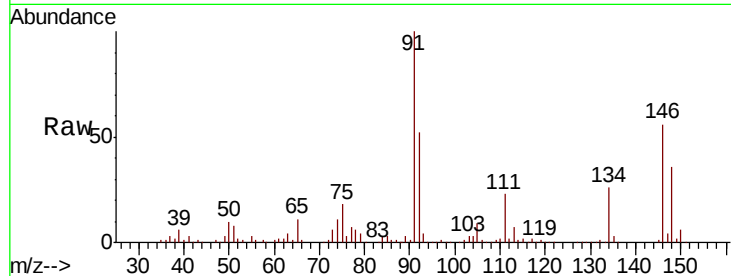




#91
 1,2-Dichlorobenzene
 Concen: 19.655 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

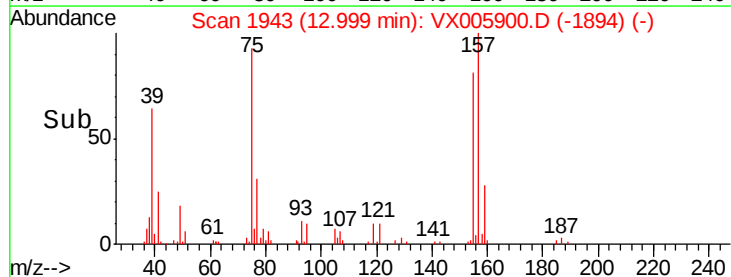
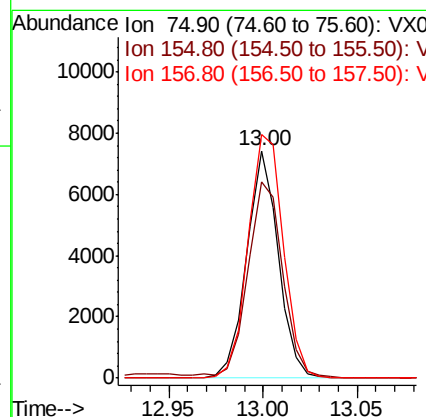
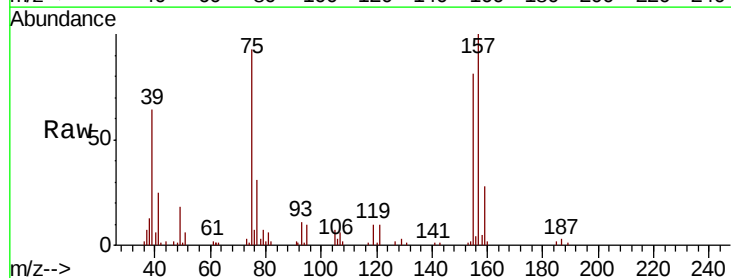
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

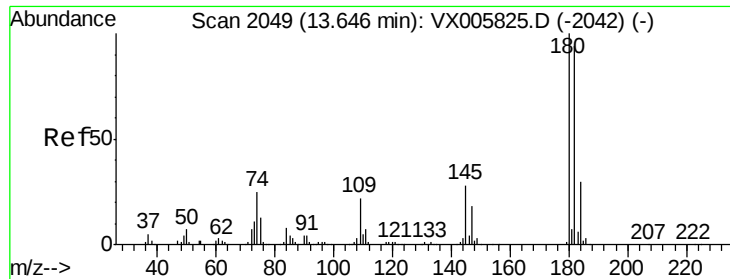
Tot Ion:146 Resp: 52020
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 59.9
 148 63.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.742 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion: 75 Resp: 8636
 Ion Ratio Lower Upper
 75 100
 155 96.0 45.4 136.1
 157 119.3 57.4 172.0

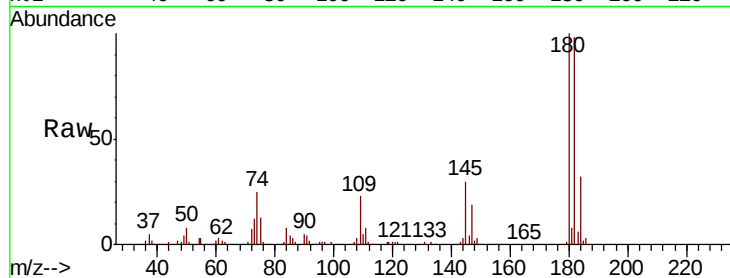




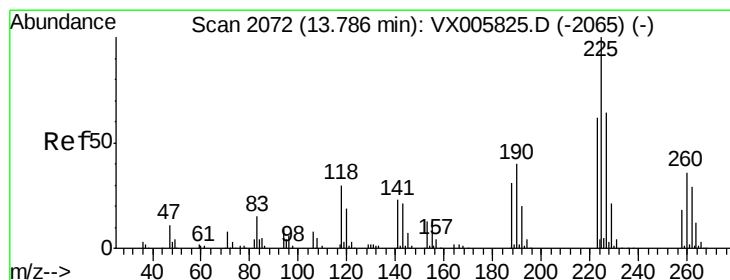
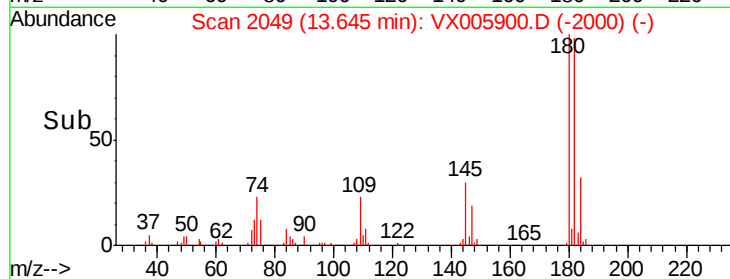
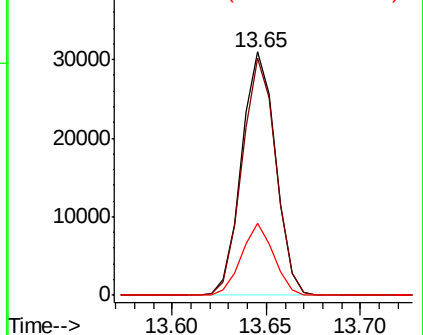
#93
 1,2,4-Trichlorobenzene
 Concen: 20.805 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

Tot Ion:180 Resp: 38763
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.6 142.8
 145 28.2 14.1 42.2

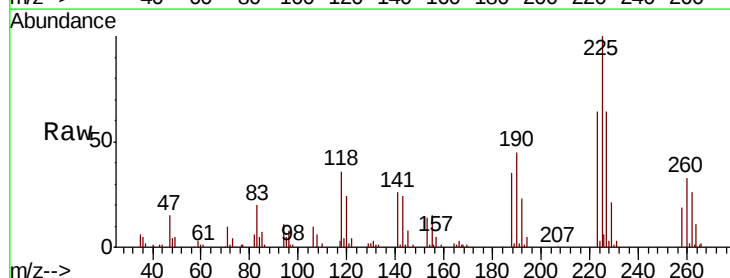


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

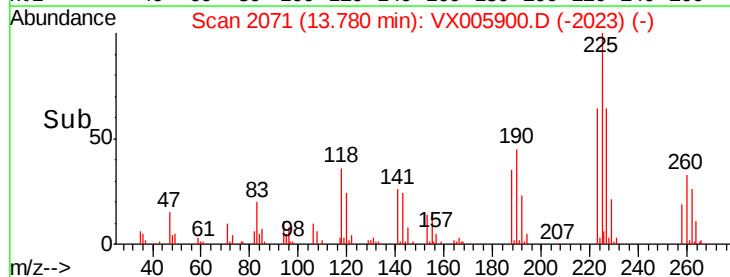
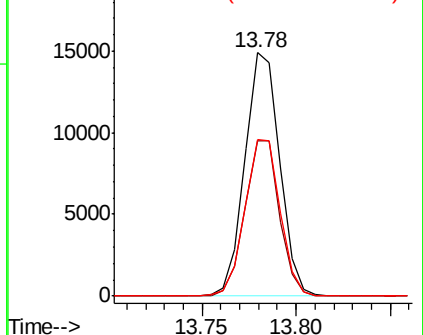


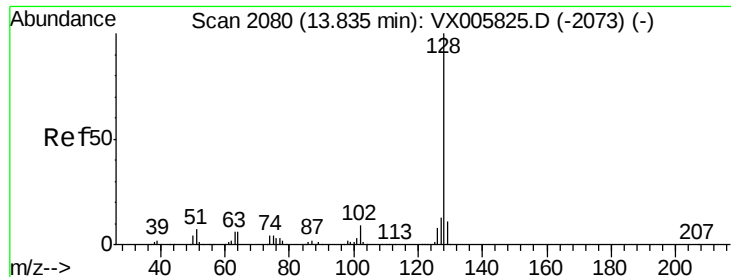
#94
 Hexachlorobutadiene
 Concen: 19.488 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005900.D
 Acq: 12 Nov 2018 15:08

Tgt Ion:225 Resp: 19073
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.7 95.1
 227 64.9 32.3 96.9



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





#95

Naphthalene

Concen: 20.677 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

VX1112WBS01

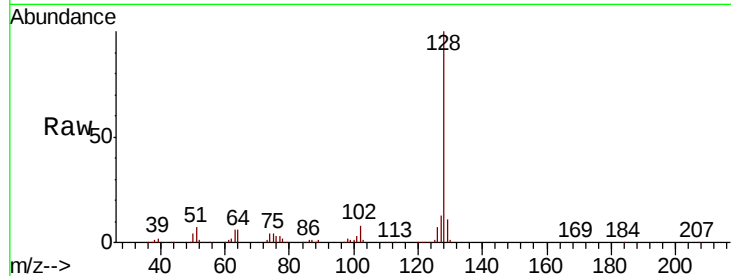
Tot Ion:128 Resp: 121338

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

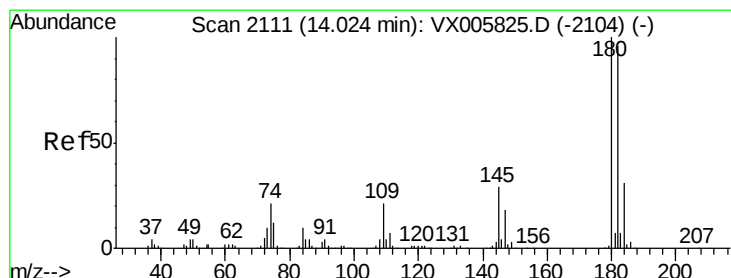
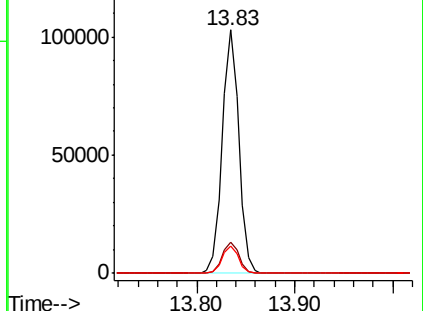
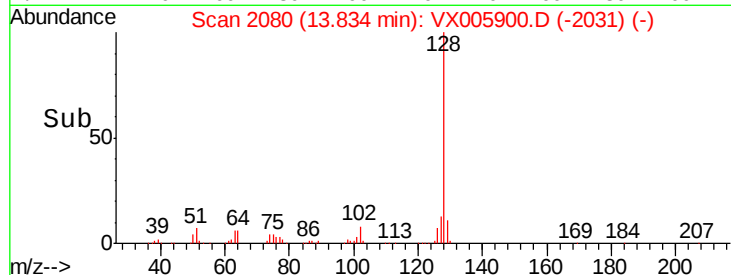
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.042 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005900.D

Acq: 12 Nov 2018 15:08

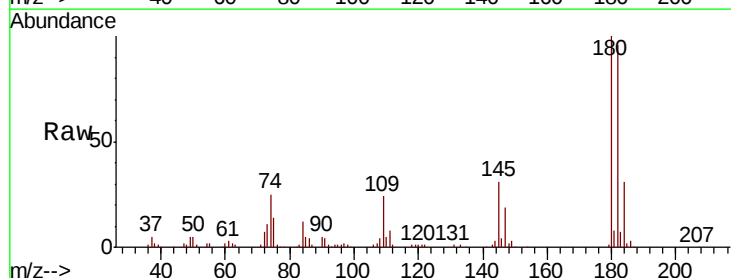
Tgt Ion:180 Resp: 39940

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.2

145 30.0 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

