

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004168.D
 Acq On : 21 Aug 2018 11:52
 Operator : JC/MD
 Sample : VX0821WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Quant Time: Aug 22 00:50:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	310987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	195934	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	
35) Dibromofluoromethane	5.50	113	165306	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	636516	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.13	95	229479	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	60724	20.06	ug/l	98
3) Chloromethane	1.32	50	74782	20.13	ug/l	100
4) Vinyl Chloride	1.40	62	81054	20.17	ug/l	98
5) Bromomethane	1.64	94	43768	21.39	ug/l	98
6) Chloroethane	1.72	64	57344	20.64	ug/l	99
7) Trichlorofluoromethane	1.93	101	114685	20.34	ug/l	97
8) Diethyl Ether	2.18	74	49482	20.10	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73671	20.94	ug/l	99
10) Methyl Iodide	2.51	142	56402	18.52	ug/l	99
11) Tert butyl alcohol	3.06	59	83336	94.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66947	20.46	ug/l	96
13) Acrolein	2.29	56	51277	92.85	ug/l	98
14) Allyl chloride	2.73	41	124526	20.00	ug/l	96
15) Acrylonitrile	3.14	53	217961	99.07	ug/l	99
16) Acetone	2.44	43	245946	107.96	ug/l	99
17) Carbon Disulfide	2.57	76	174268	18.78	ug/l	99
18) Methyl Acetate	2.78	43	110543	21.84	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	235796	20.46	ug/l	99
20) Methylene Chloride	2.86	84	79220	20.92	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	73860	19.88	ug/l	100
22) Diisopropyl ether	3.87	45	246217	20.19	ug/l	99
23) Vinyl Acetate	3.82	43	1024152	102.22	ug/l	99
24) 1,1-Dichloroethane	3.69	63	141207	20.44	ug/l	99
25) 2-Butanone	4.70	43	355809	95.99	ug/l	99
26) 2,2-Dichloropropane	4.57	77	111677	20.33	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	84261	20.17	ug/l	98
28) Bromochloromethane	5.01	49	61017	19.25	ug/l	100
29) Tetrahydrofuran	5.15	42	174201	91.99	ug/l	99
30) Chloroform	5.21	83	141139	20.93	ug/l	99
31) Cyclohexane	5.57	56	118010	19.48	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	117841	20.91	ug/l	99
36) 1,1-Dichloropropene	5.79	75	106232	21.34	ug/l	99
37) Ethyl Acetate	4.85	43	105378	19.44	ug/l	99
38) Carbon Tetrachloride	5.78	117	102351	21.16	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	120520	21.34	ug/l	99
40) Benzene	6.14	78	322514	21.57	ug/l	100
41) Methacrylonitrile	5.05	41	59947	19.74	ug/l	99
42) 1,2-Dichloroethane	6.19	62	110300	21.08	ug/l	100
43) Isopropyl Acetate	6.46	43	159469	19.96	ug/l	99
44) Trichloroethene	7.21	130	87067	21.45	ug/l	92
45) 1,2-Dichloropropane	7.51	63	80841	21.12	ug/l	99
46) Dibromomethane	7.66	93	53638	21.45	ug/l	99
47) Bromodichloromethane	7.90	83	100911	21.30	ug/l	98
48) Methyl methacrylate	7.77	41	83650	20.79	ug/l	98
49) 1,4-Dioxane	7.75	88	36453	402.48	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	698087	106.54	ug/l	99
52) Toluene	8.78	92	208645	22.07	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	111823	21.85	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	124343	21.94	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	82952	21.25	ug/l	99
56) Ethyl methacrylate	9.18	69	113268	21.33	ug/l	99
57) 1,3-Dichloropropane	9.37	76	139322	21.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	303783	112.37	ug/l	100
59) 2-Hexanone	9.49	43	529915	107.46	ug/l	99
60) Dibromochloromethane	9.59	129	80343	21.38	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85138	21.39	ug/l	100
64) Tetrachloroethene	9.34	164	83068	20.68	ug/l	95
65) Chlorobenzene	10.14	112	229812	20.99	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	80799	21.64	ug/l	99
67) Ethyl Benzene	10.25	91	384701	22.19	ug/l	98
68) m/p-Xylenes	10.36	106	310335	45.71	ug/l	97
69) o-Xylene	10.70	106	140965	21.73	ug/l	94
70) Styrene	10.71	104	240471	22.02	ug/l	98
71) Bromoform	10.86	173	58230	19.67	ug/l #	100
73) Isopropylbenzene	11.02	105	381737	22.91	ug/l	97
74) N-amyl acetate	6.46	43	159469	20.35	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	126242	21.70	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	141242	28.61	ug/l	83
77) Bromobenzene	11.26	156	104229	22.70	ug/l	100
78) n-propylbenzene	11.36	91	446460	23.95	ug/l	99
79) 2-Chlorotoluene	11.42	91	269456	23.72	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	308181	22.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32908	20.63	ug/l	97
82) 4-Chlorotoluene	11.51	91	310930	23.15	ug/l	100
83) tert-Butylbenzene	11.77	119	312616	22.73	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	336608	23.83	ug/l	99
85) sec-Butylbenzene	11.94	105	388549	24.14	ug/l	100
86) p-Isopropyltoluene	12.07	119	352879	24.21	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	192614	21.99	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	200257	22.21	ug/l	99
89) n-Butylbenzene	12.39	91	294132	25.61	ug/l	99
90) Hexachloroethane	12.60	117	49038	22.49	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	195825	24.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22674	22.17	ug/l	98

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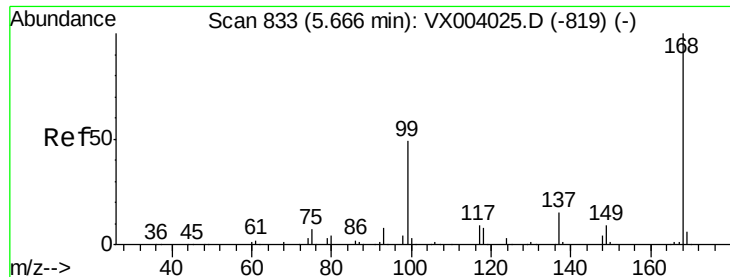
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Quant Time: Aug 22 00:50:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126329	23.39	ug/l	97
94) Hexachlorobutadiene	13.78	225	60134	22.22	ug/l	99
95) Naphthalene	13.83	128	365969	21.92	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130778	22.21	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

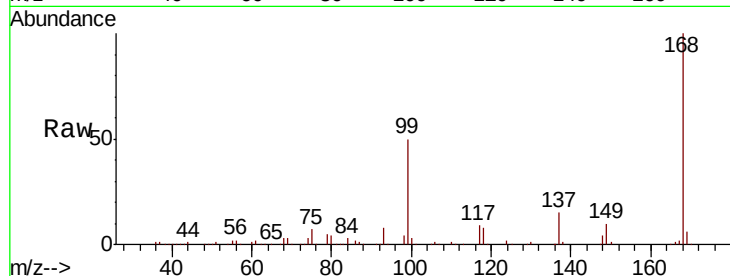
VX0821WBS01

Tot Ion:168 Resp: 310987

Ion Ratio Lower Upper

168 100

99 50.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

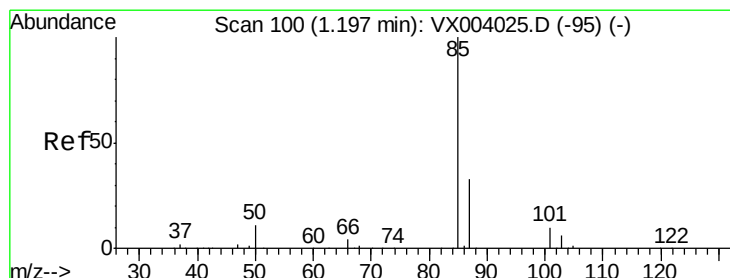
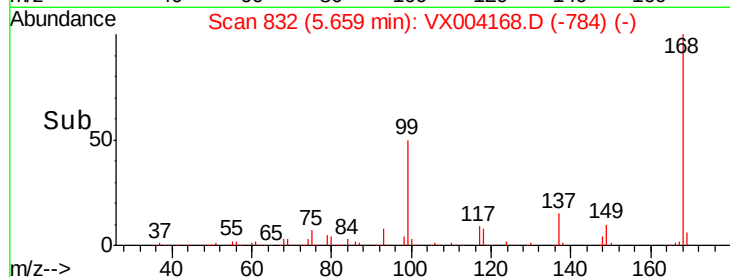
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.06 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004168.D

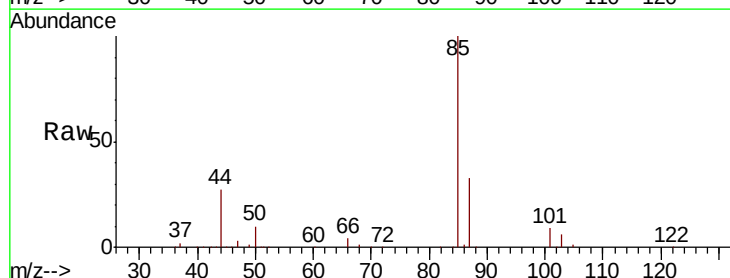
Acq: 21 Aug 2018 11:52

Tgt Ion: 85 Resp: 60724

Ion Ratio Lower Upper

85 100

87 33.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

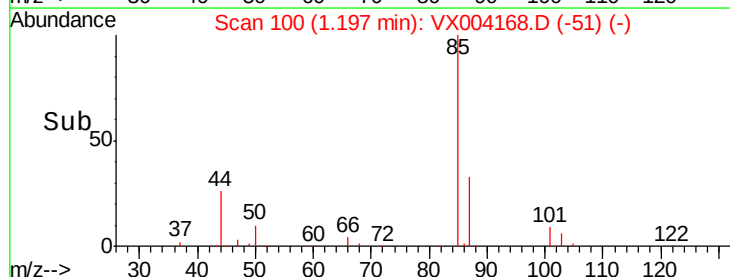
30000

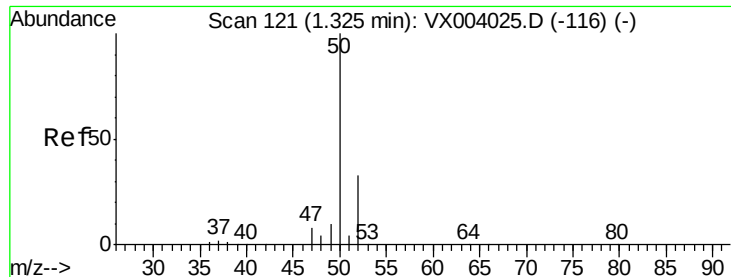
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

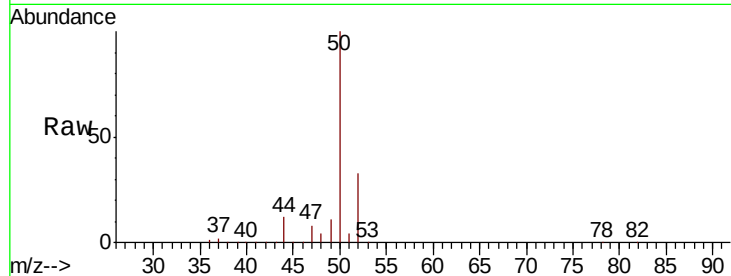
VX0821WBS01

Tot Ion: 50 Resp: 74782

Ion Ratio Lower Upper

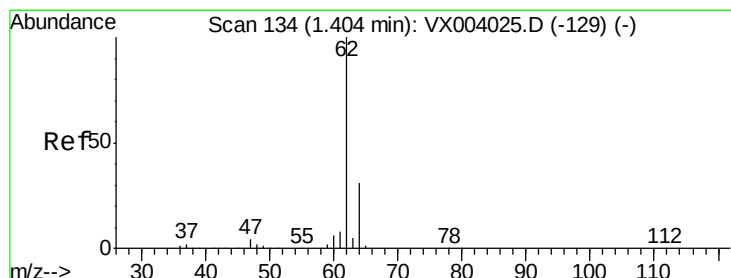
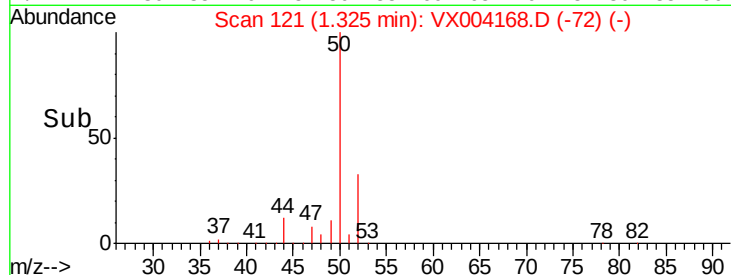
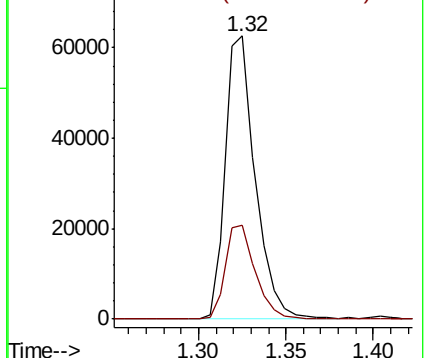
50 100

52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.17 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004168.D

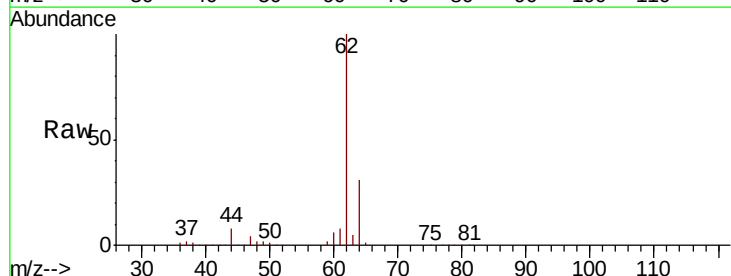
Acq: 21 Aug 2018 11:52

Tgt Ion: 62 Resp: 81054

Ion Ratio Lower Upper

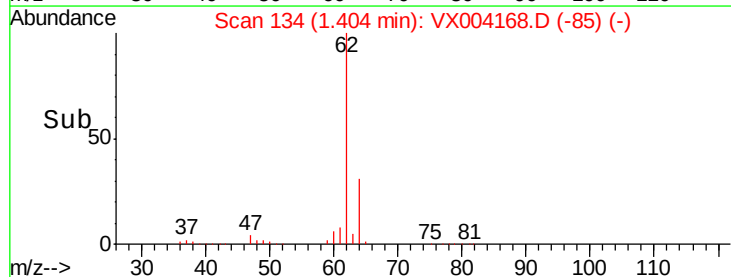
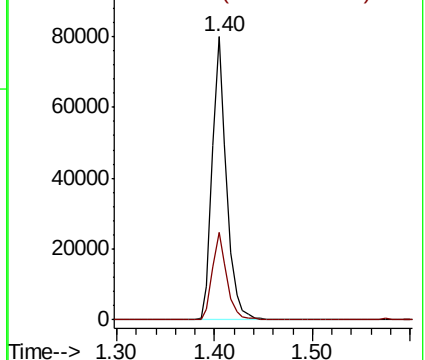
62 100

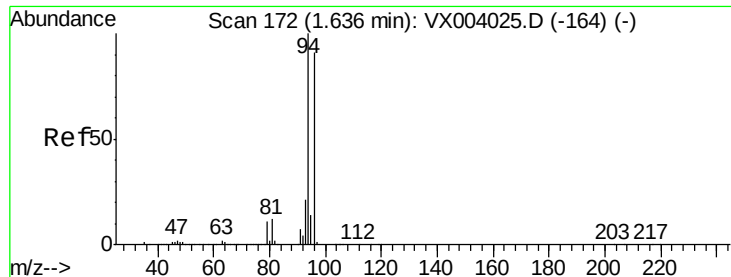
64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

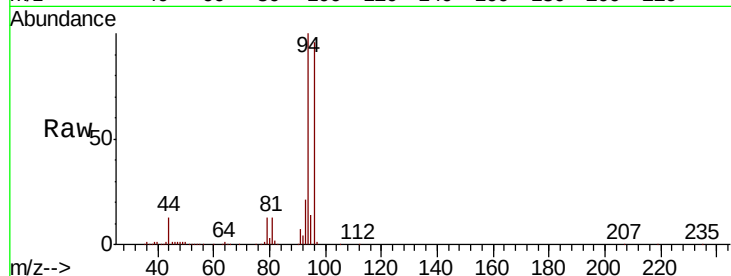
VX0821WBS01

Tot Ion: 94 Resp: 43768

Ion Ratio Lower Upper

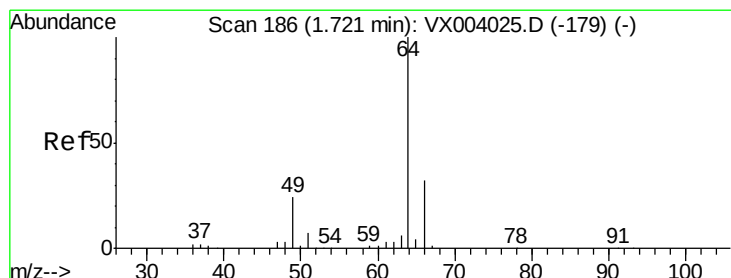
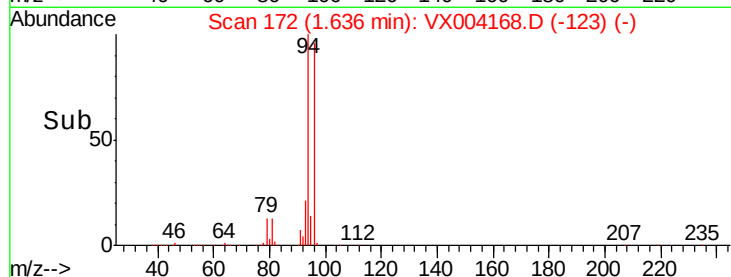
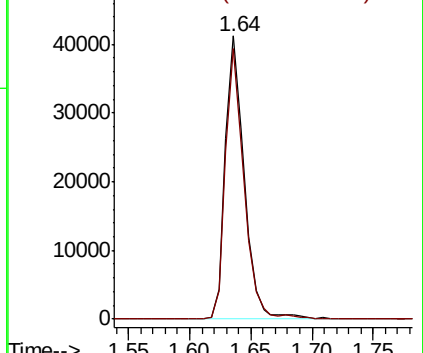
94 100

96 95.7 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: 20.64 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004168.D

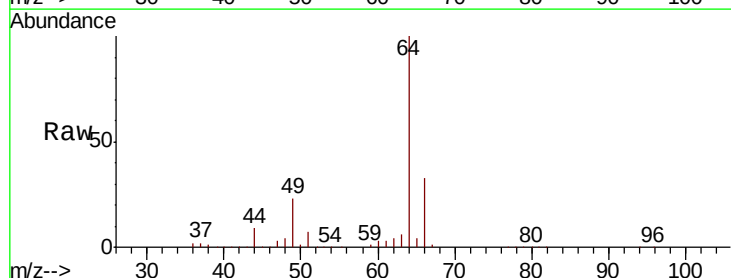
Acq: 21 Aug 2018 11:52

Tgt Ion: 64 Resp: 57344

Ion Ratio Lower Upper

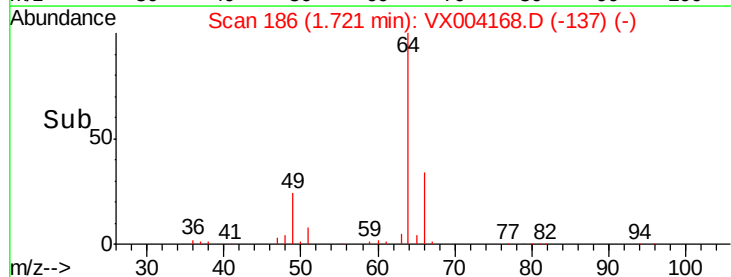
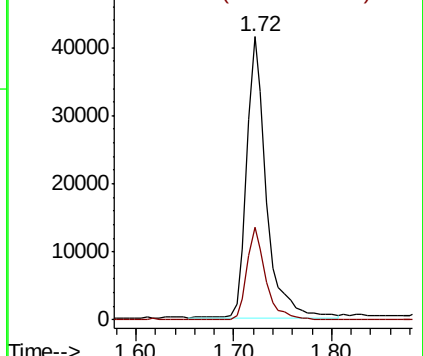
64 100

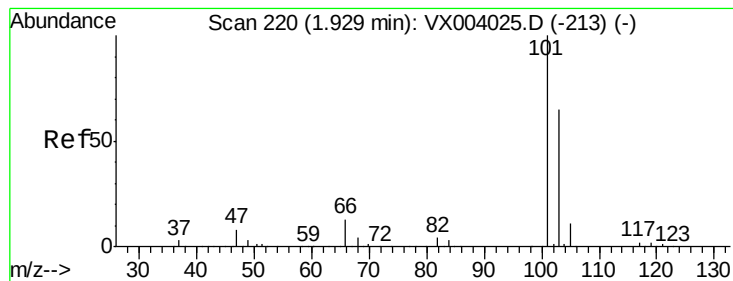
66 32.7 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 20.34 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

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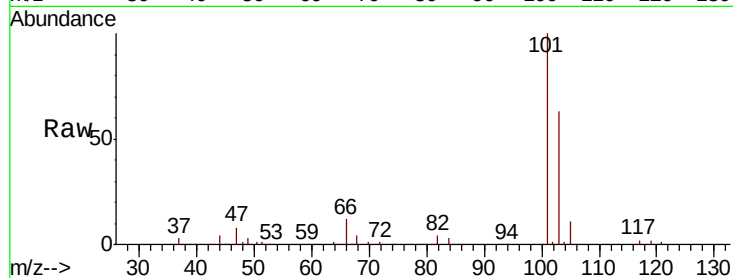
VX0821WBS01

Tot Ion:101 Resp: 114685

Ion Ratio Lower Upper

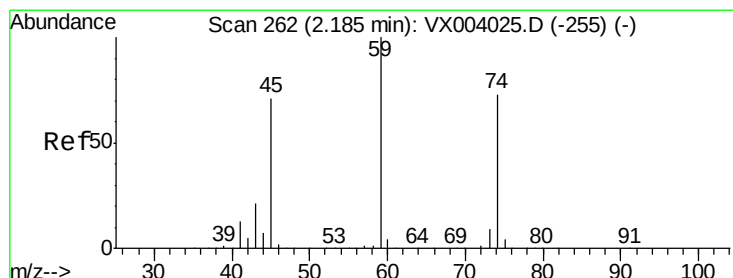
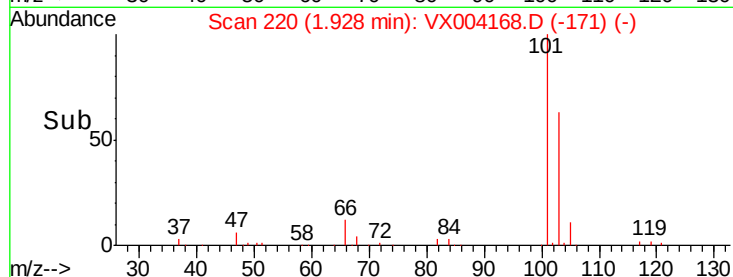
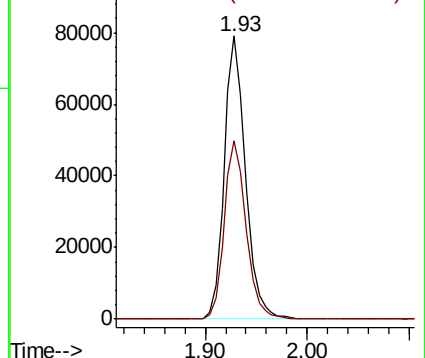
101 100

103 63.1 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.10 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004168.D

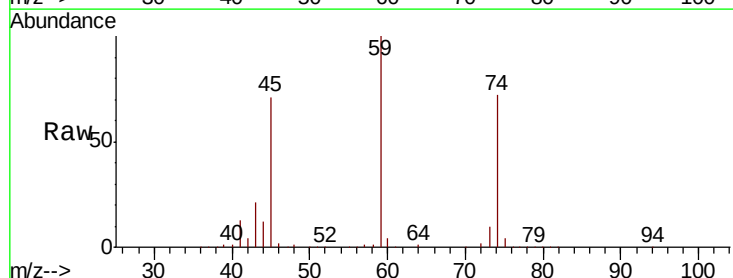
Acq: 21 Aug 2018 11:52

Tgt Ion: 74 Resp: 49482

Ion Ratio Lower Upper

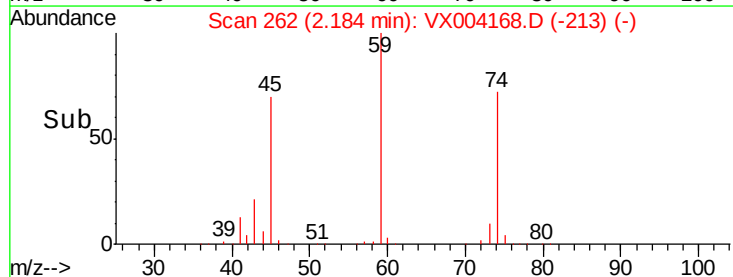
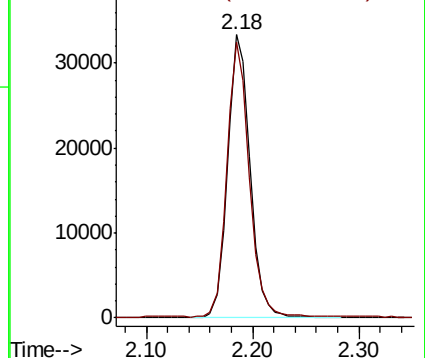
74 100

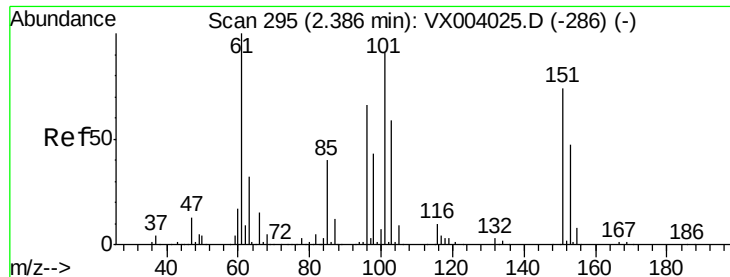
45 95.8 48.3 144.9



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: 20.94 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004168.D

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ClientSampleId :

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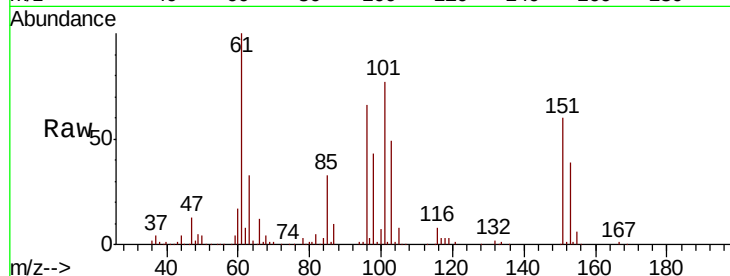
Tot Ion:101 Resp: 73671

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

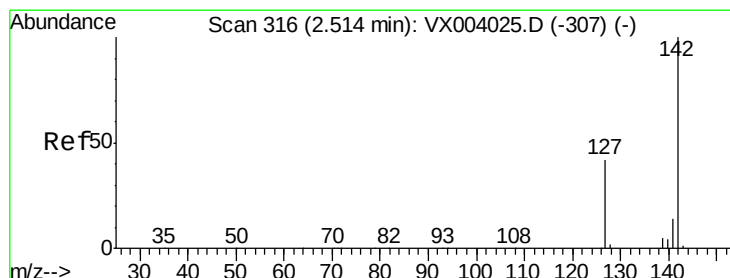
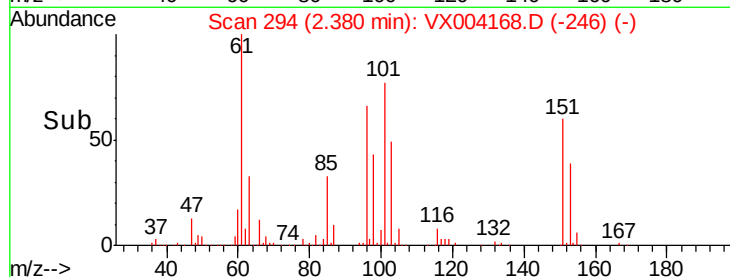
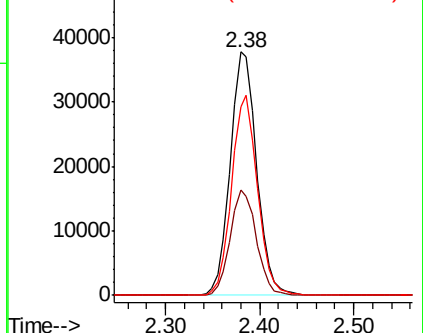
151 80.4 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.52 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

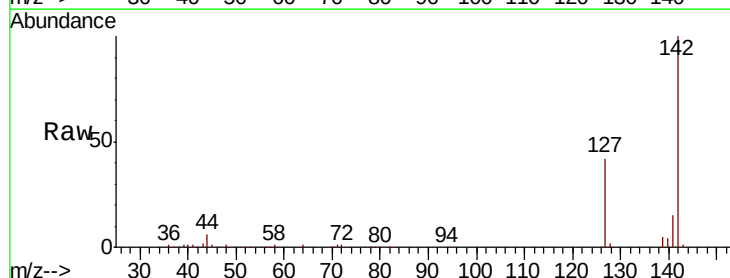
Tgt Ion:142 Resp: 56402

Ion Ratio Lower Upper

142 100

127 41.8 33.1 49.7

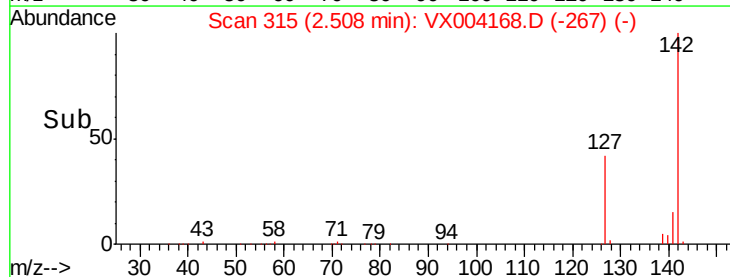
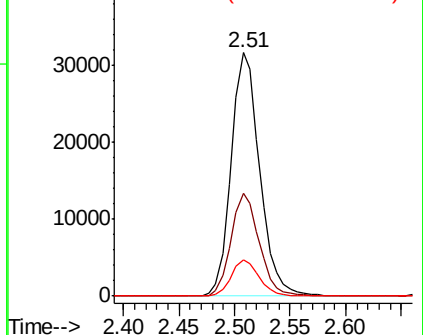
141 14.6 11.1 16.7

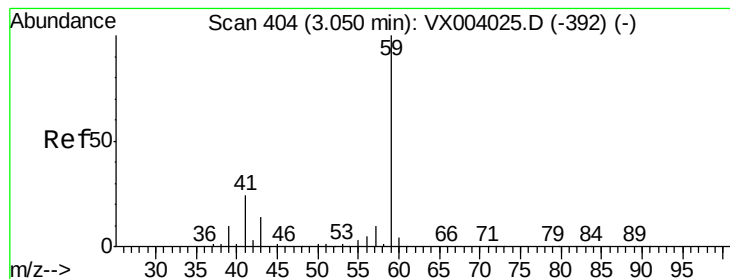


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.45 ug/l

RT: 3.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

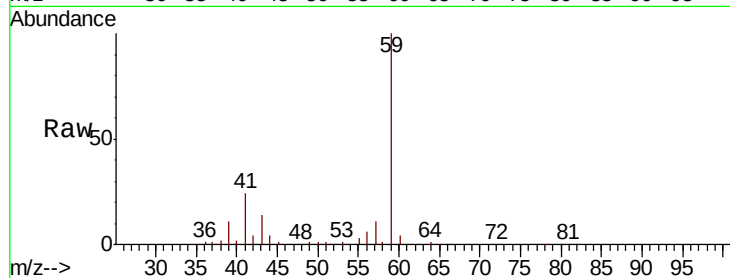
VX0821WBS01

Tot Ion: 59 Resp: 83336

Ion Ratio Lower Upper

59 100

57 10.6 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

40000

30000

20000

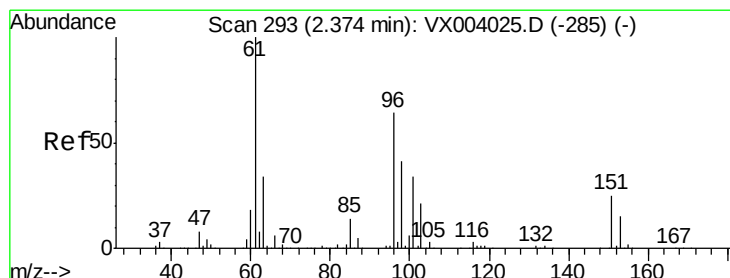
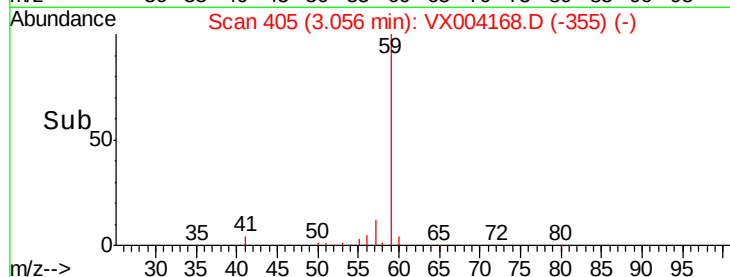
10000

0

Time-->

3.00

3.10



#12

1,1-Dichloroethene

Concen: 20.46 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

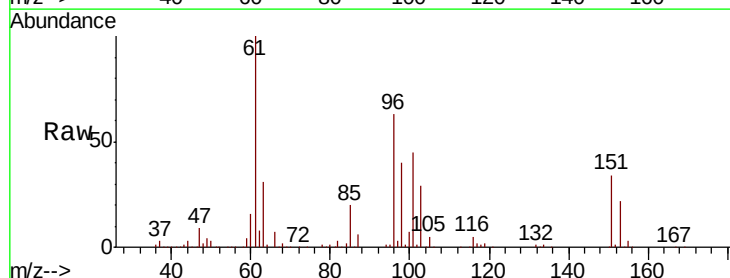
Tgt Ion: 96 Resp: 66947

Ion Ratio Lower Upper

96 100

61 158.6 131.3 196.9

98 62.9 51.8 77.6



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

80000

60000

40000

20000

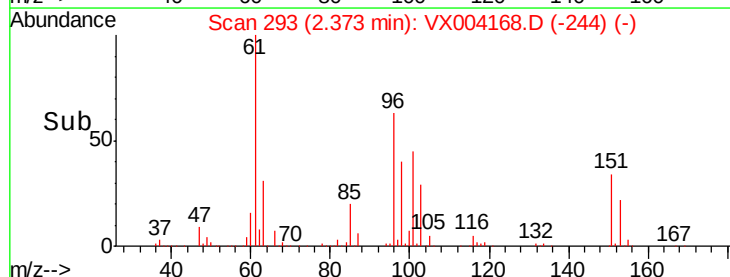
0

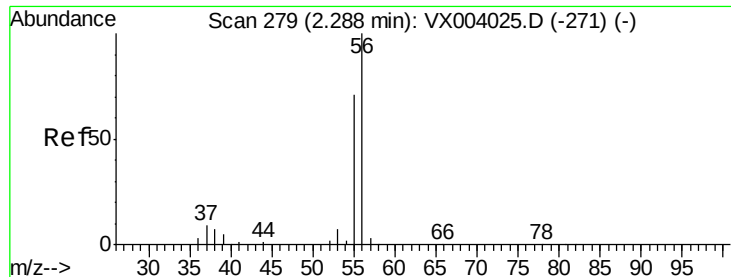
Time-->

2.30

2.40

2.50





#13

Acrolein

Concen: 92.85 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

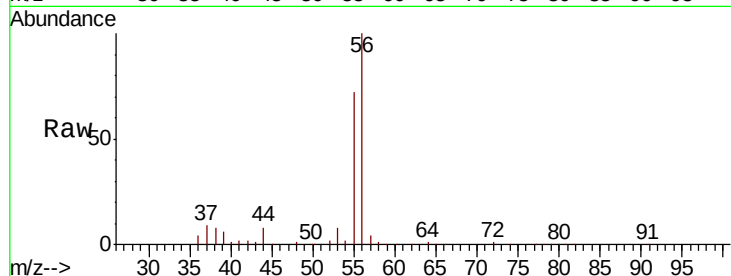
VX0821WBS01

Tot Ion: 56 Resp: 51277

Ion Ratio Lower Upper

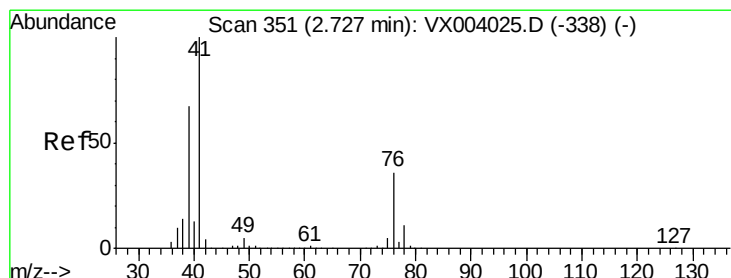
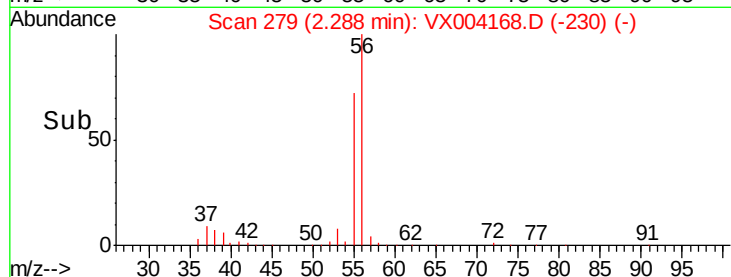
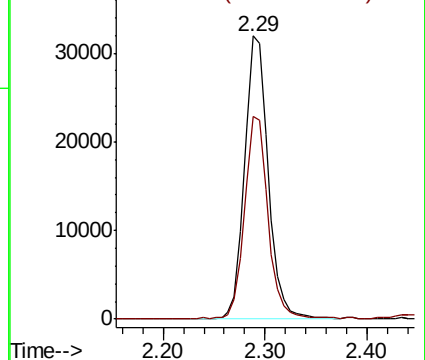
56 100

55 71.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.00 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

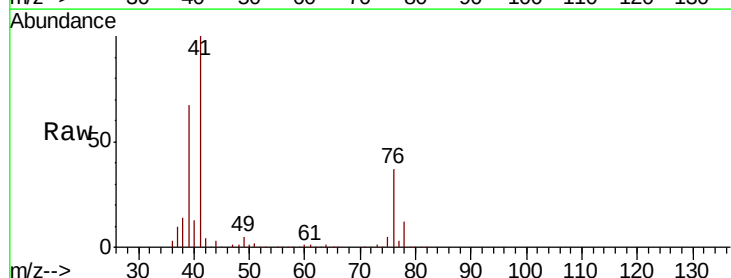
Tgt Ion: 41 Resp: 124526

Ion Ratio Lower Upper

41 100

39 62.4 47.4 71.0

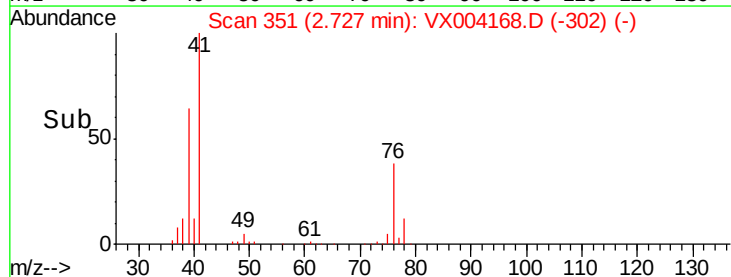
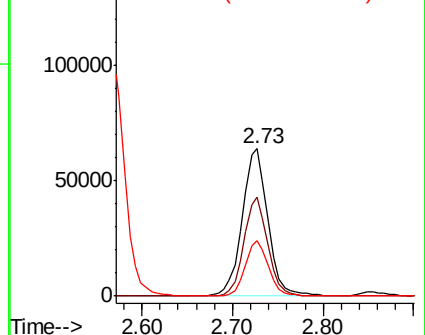
76 34.2 26.0 39.0

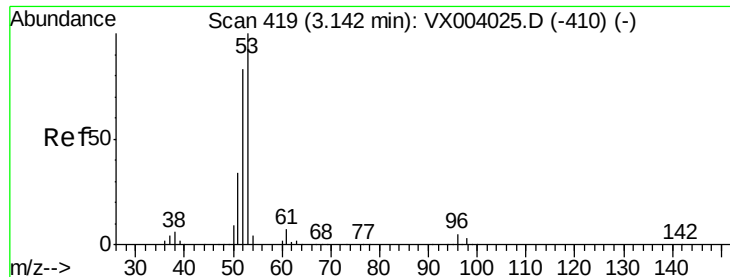


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.07 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0821WBS01

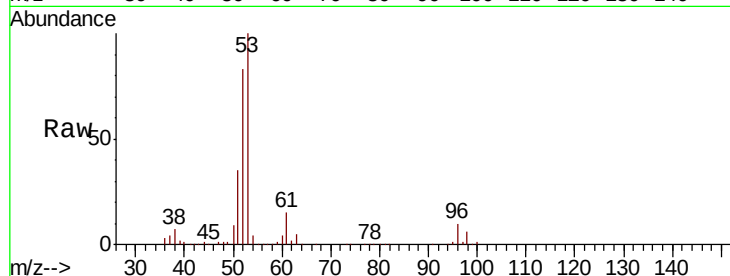
Tot Ion: 53 Resp: 217961

Ion Ratio Lower Upper

53 100

52 82.8 65.3 97.9

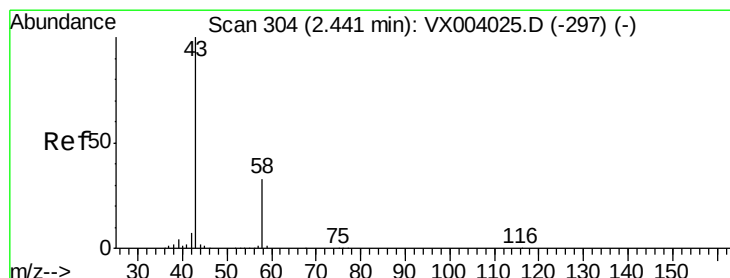
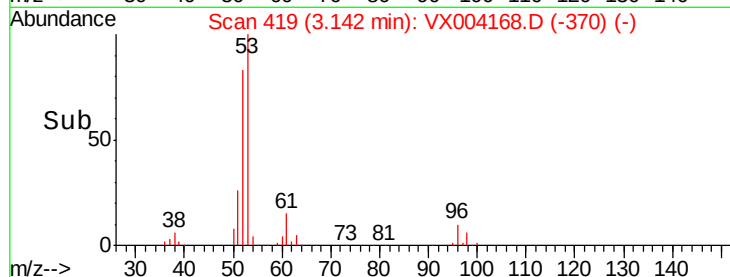
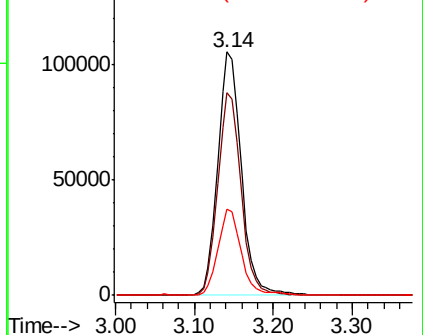
51 35.2 27.9 41.9



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: 107.96 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004168.D

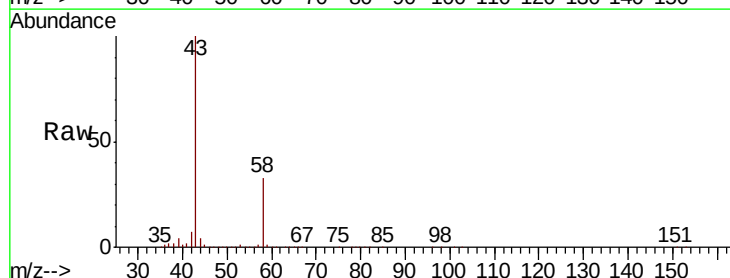
Acq: 21 Aug 2018 11:52

Tgt Ion: 43 Resp: 245946

Ion Ratio Lower Upper

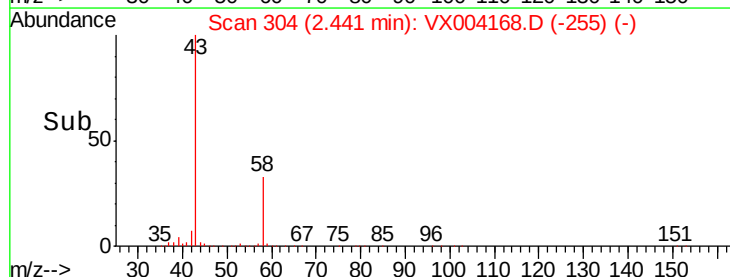
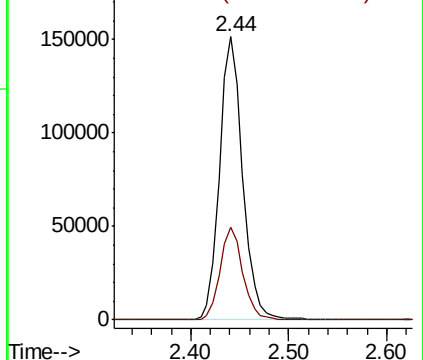
43 100

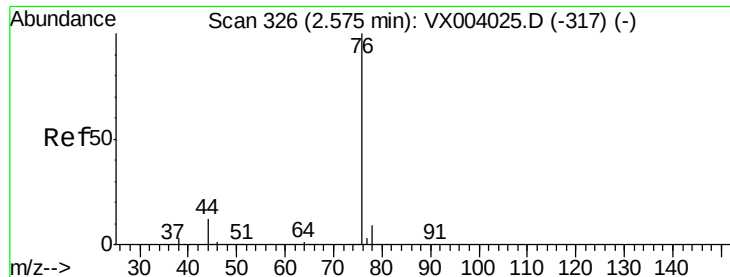
58 32.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

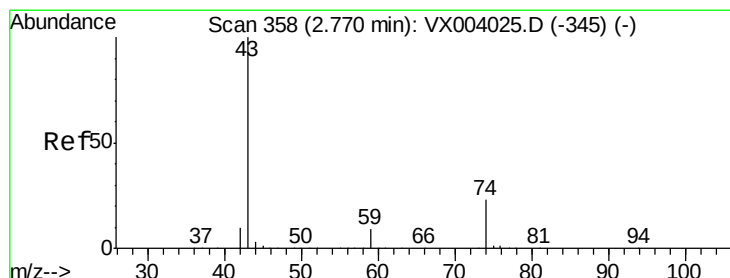
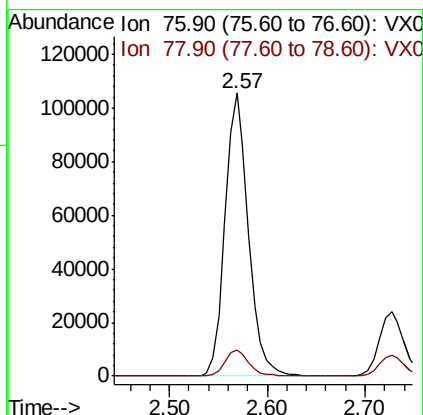
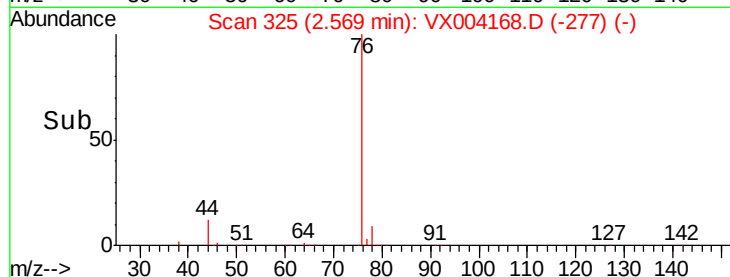
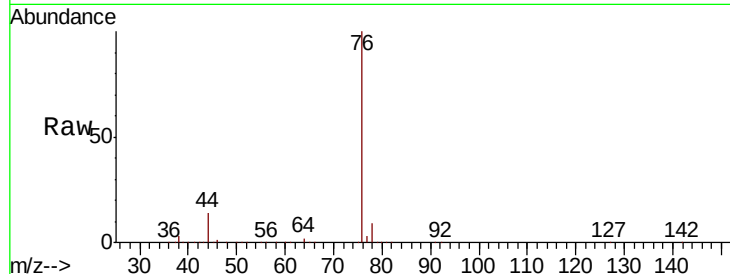




#17
Carbon Disulfide
Concen: 18.78 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

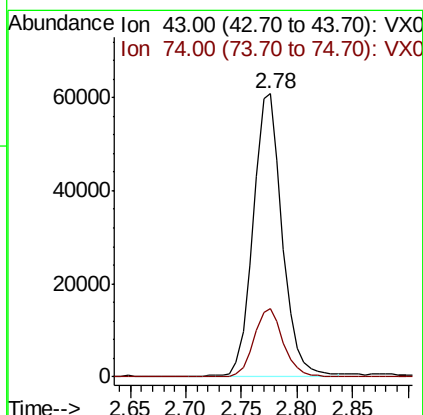
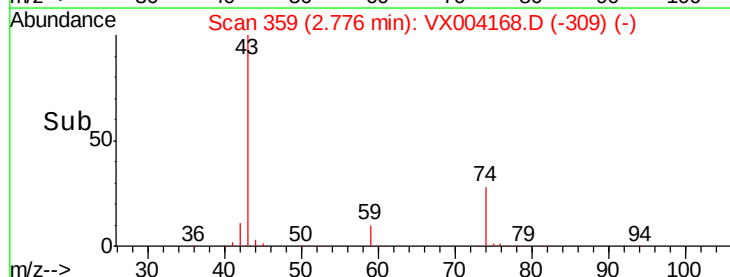
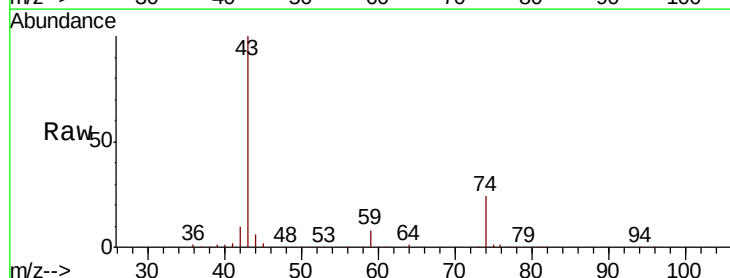
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

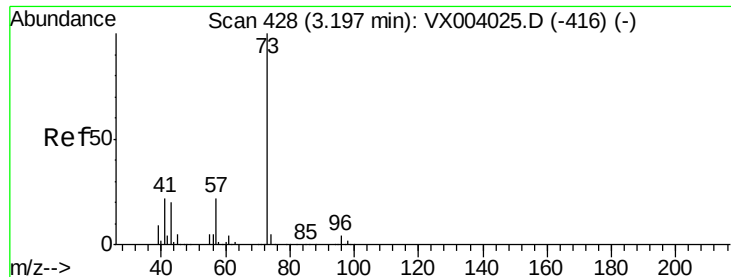
Tot Ion: 76 Resp: 174268
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 21.84 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion: 43 Resp: 110543
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3



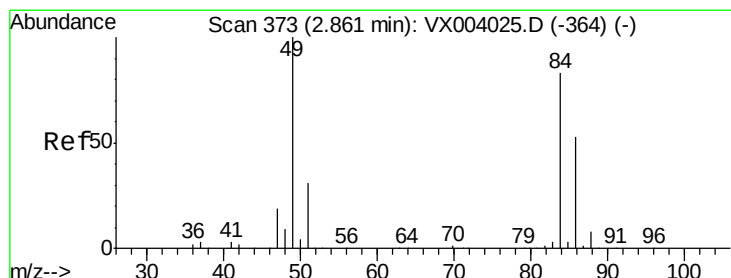
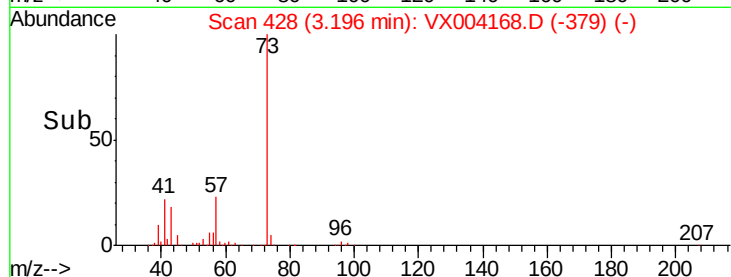
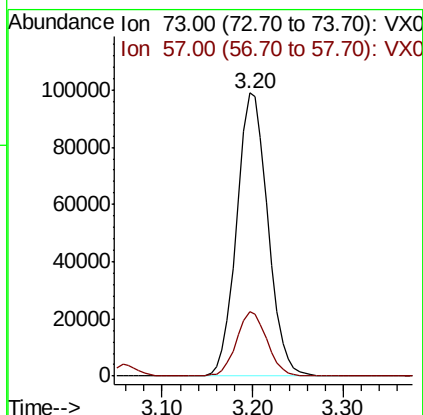
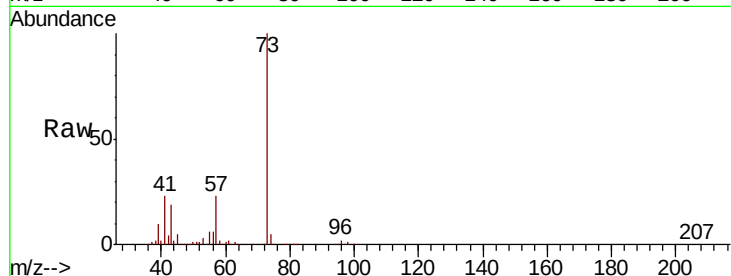


#19

Methyl tert-butyl Ether
 Concen: 20.46 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0821WBS01

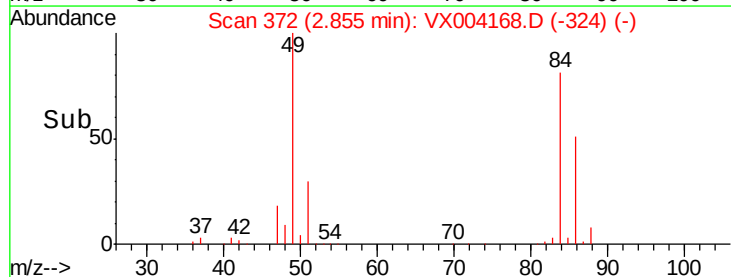
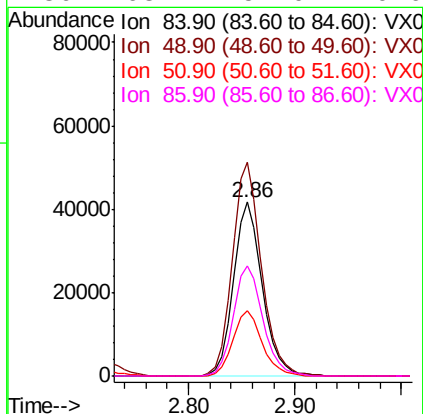
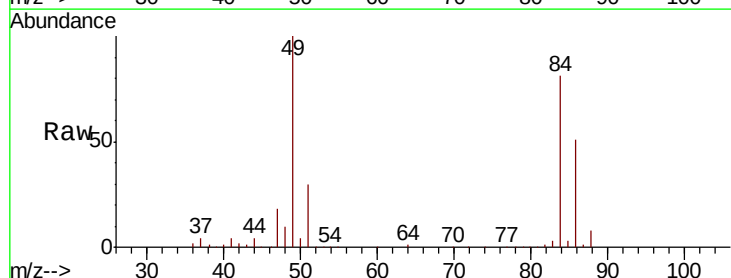
Tot Ion: 73 Resp: 235796
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.0 27.0

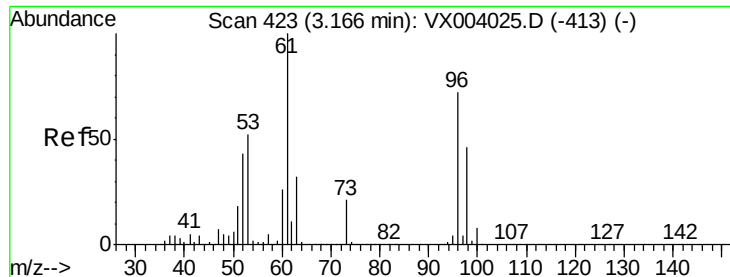


#20

Methylene Chloride
 Concen: 20.92 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion: 84 Resp: 79220
 Ion Ratio Lower Upper
 84 100
 49 122.9 98.9 148.3
 51 37.1 29.9 44.9
 86 63.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

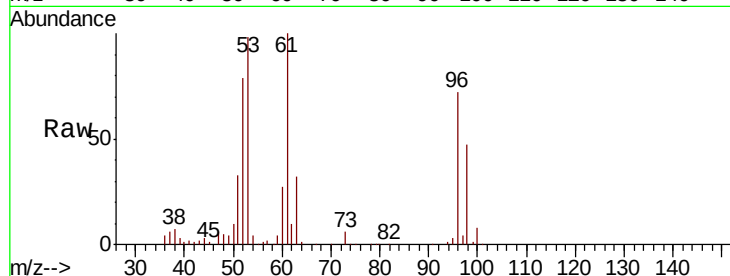
Tot Ion: 96 Resp: 73860

Ion Ratio Lower Upper

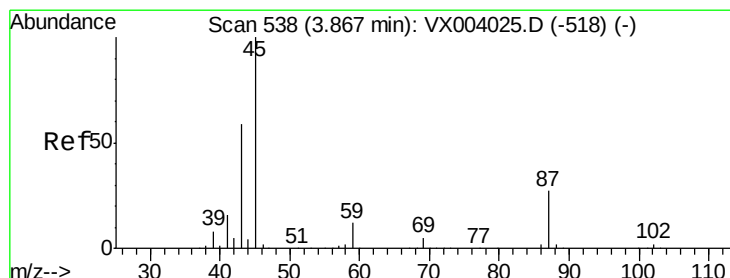
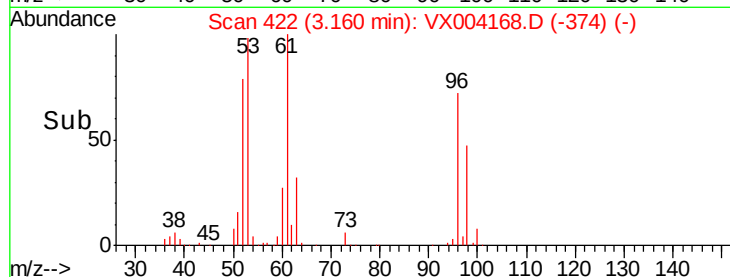
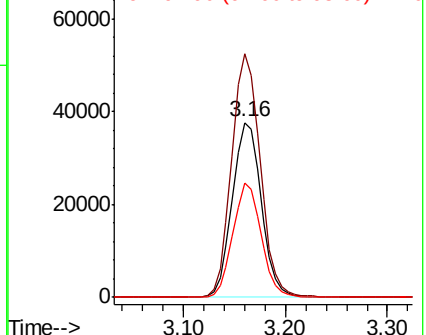
96 100

61 139.5 111.8 167.6

98 65.7 51.8 77.6



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: 20.19 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Tgt Ion: 45 Resp: 246217

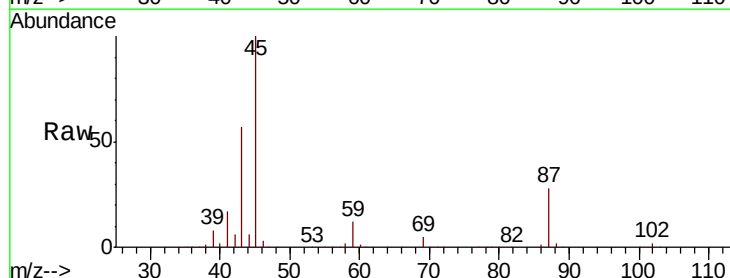
Ion Ratio Lower Upper

45 100

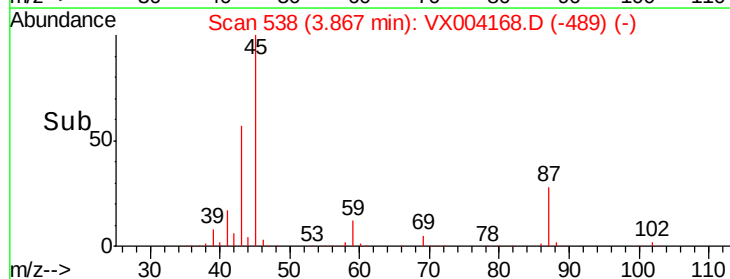
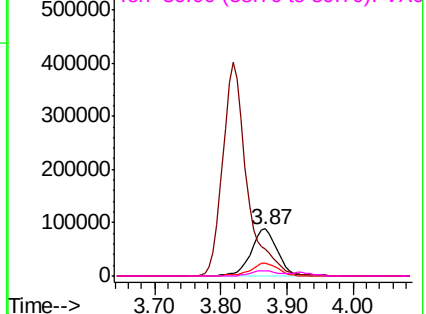
43 57.0 45.3 67.9

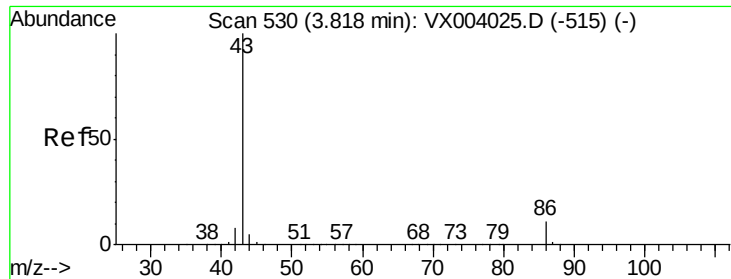
87 27.6 22.7 34.1

59 12.2 9.6 14.4



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: 102.22 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

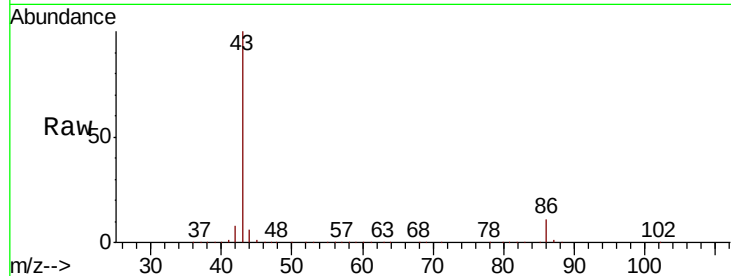
MSVOA_X

ClientSampleId :

VX0821WBS01

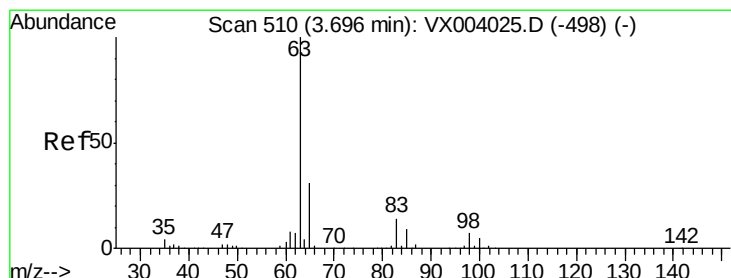
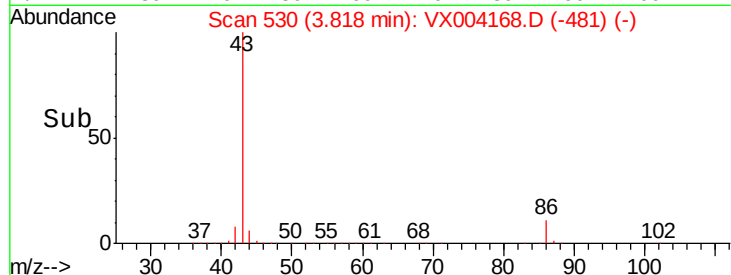
Tot Ion: 43 Resp: 1024152

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.9	13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.44 ug/l

RT: 3.69 min Scan# 509

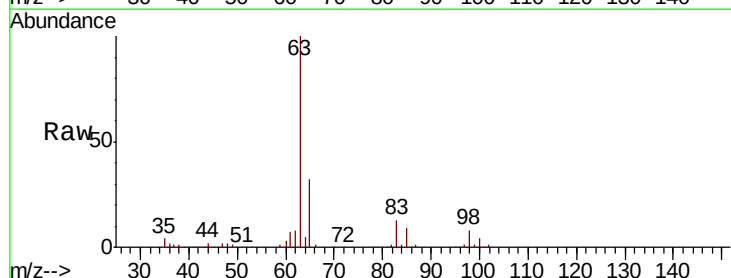
Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Tgt Ion: 63 Resp: 141207

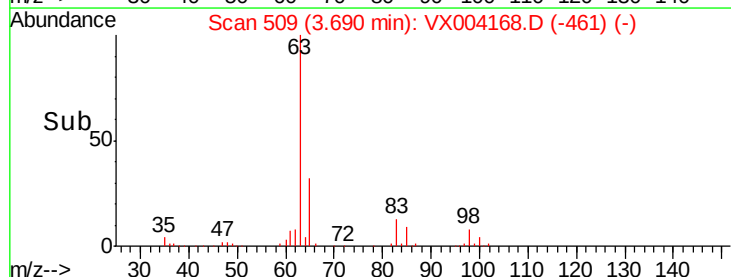
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.5
100	4.2	2.3	6.8

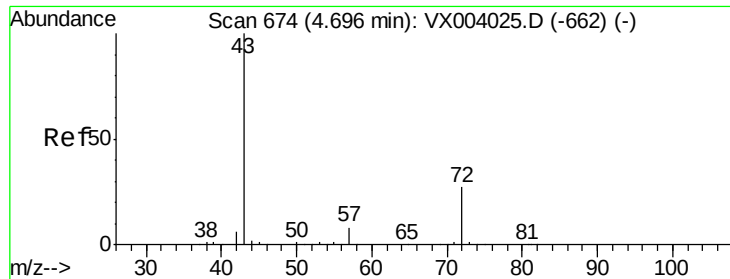


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 95.99 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

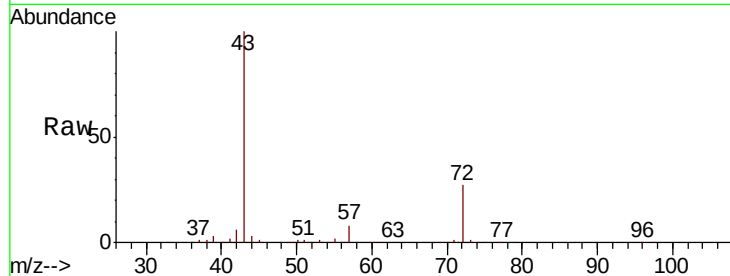
VX0821WBS01

Tot Ion: 43 Resp: 355809

Ion Ratio Lower Upper

43 100

72 27.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

150000

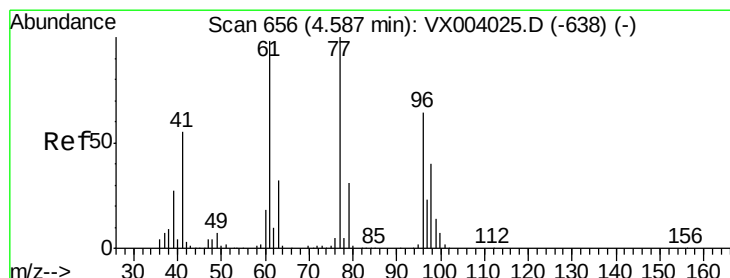
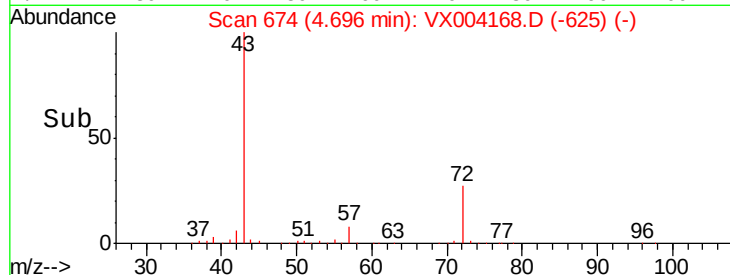
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.33 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX004168.D

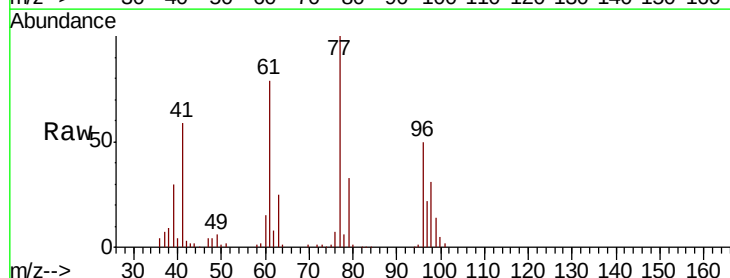
Acq: 21 Aug 2018 11:52

Tgt Ion: 77 Resp: 111677

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

40000

30000

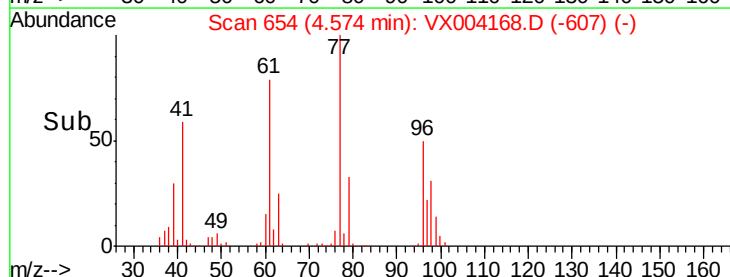
20000

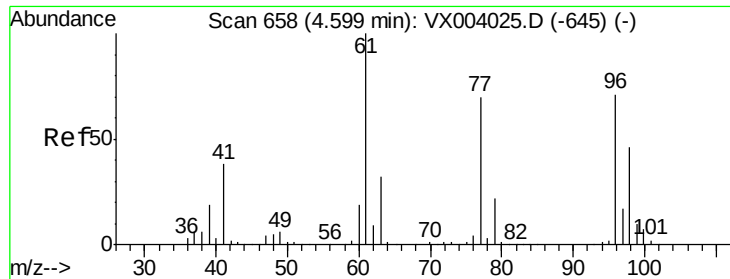
10000

0

4.50 4.60 4.70

Time-->



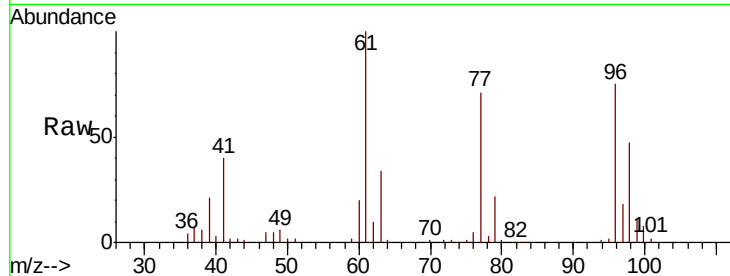


#27

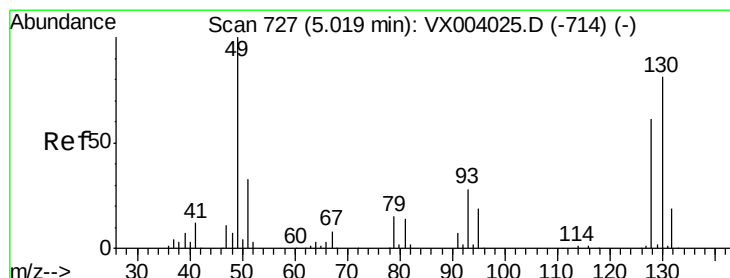
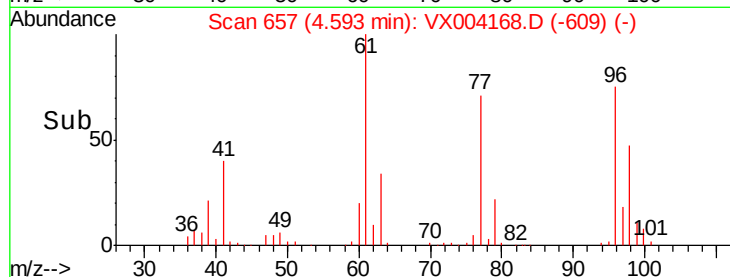
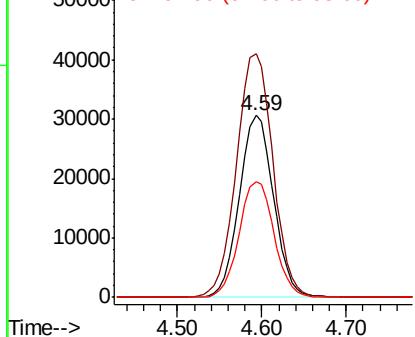
cis-1,2-Dichloroethene
Concen: 20.17 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VX0821WBS01

Tot Ion: 96 Resp: 84261
Ion Ratio Lower Upper
96 100
61 143.0 0.0 293.0
98 64.8 0.0 131.8



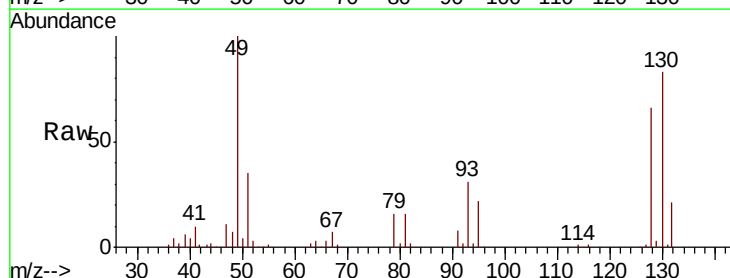
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



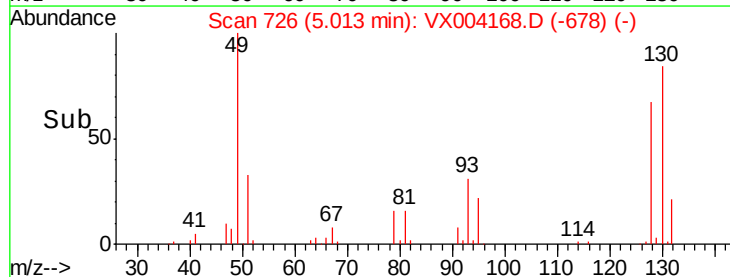
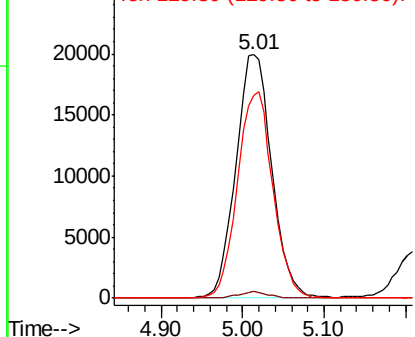
#28

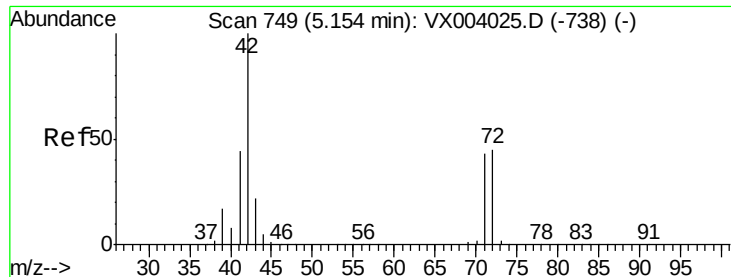
Bromochloromethane
Concen: 19.25 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion: 49 Resp: 61017
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 83.3 66.5 99.7



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





#29

Tetrahydrofuran

Concen: 91.99 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

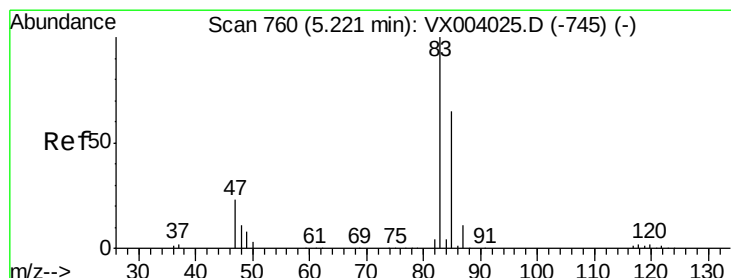
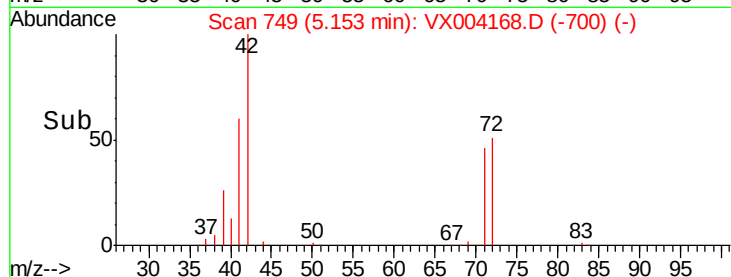
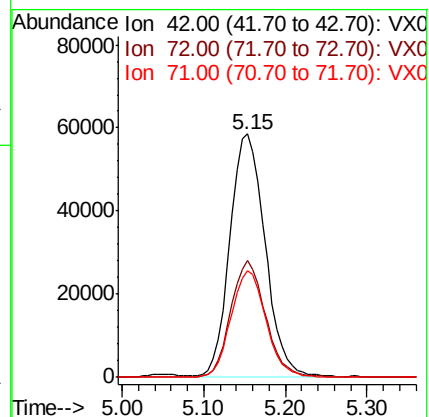
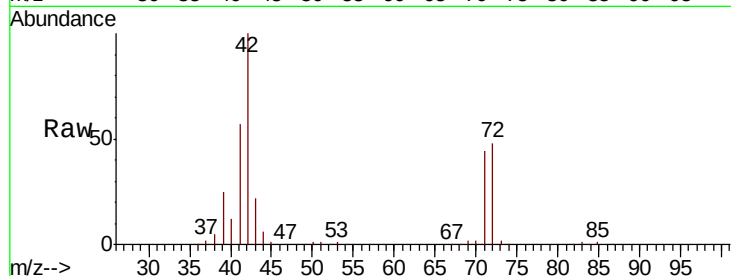
Tot Ion: 42 Resp: 174201

Ion Ratio Lower Upper

42 100

72 47.8 37.7 56.5

71 43.6 35.0 52.6



#30

Chloroform

Concen: 20.93 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004168.D

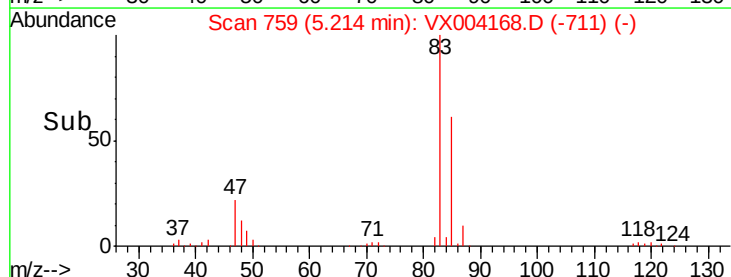
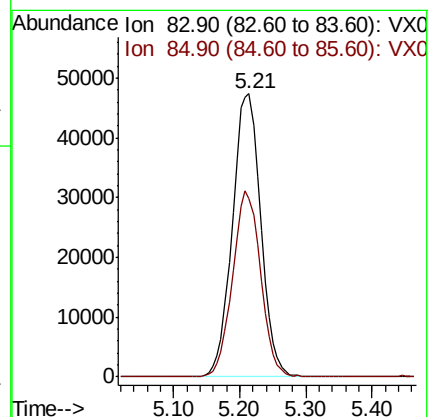
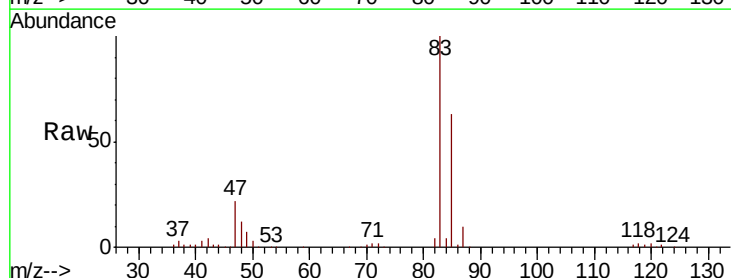
Acq: 21 Aug 2018 11:52

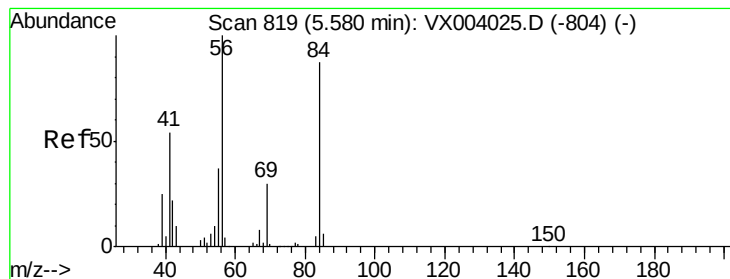
Tgt Ion: 83 Resp: 141139

Ion Ratio Lower Upper

83 100

85 62.9 50.7 76.1





#31

Cyclohexane

Concen: 19.48 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0821WBS01

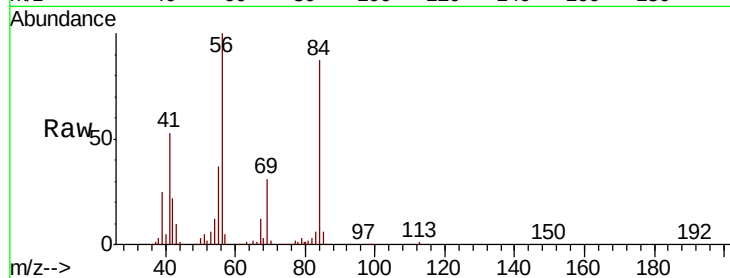
Tot Ion: 56 Resp: 118010

Ion Ratio Lower Upper

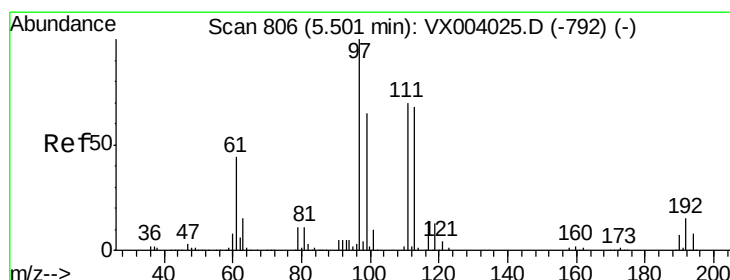
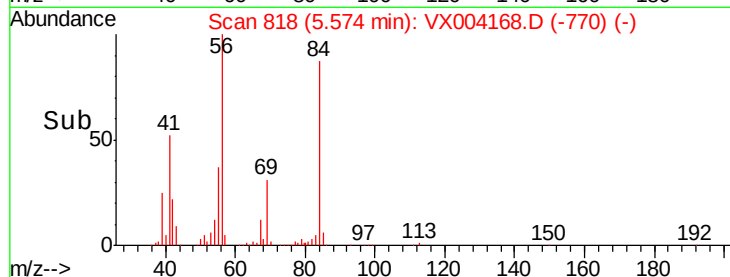
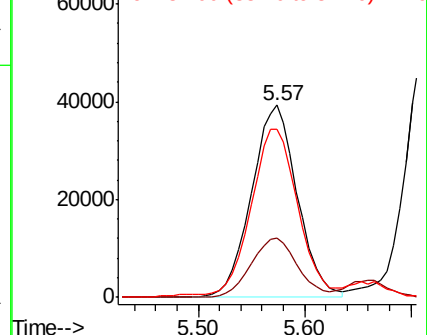
56 100

69 30.7 24.9 37.3

84 85.7 71.7 107.5



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



#32

1,1,1-Trichloroethane

Concen: 20.91 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

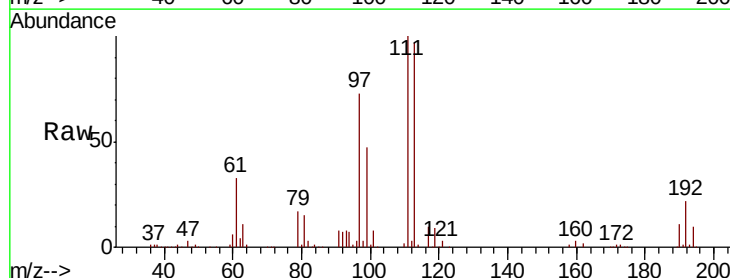
Tgt Ion: 97 Resp: 117841

Ion Ratio Lower Upper

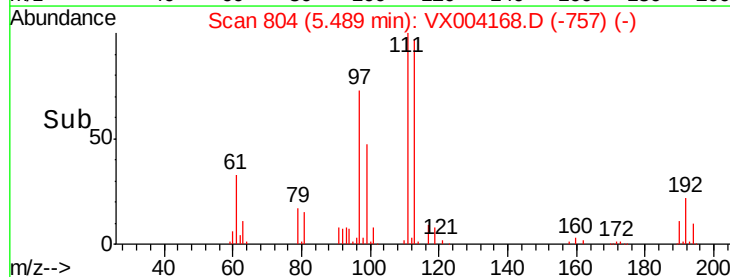
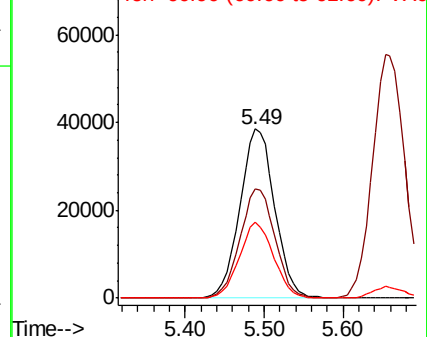
97 100

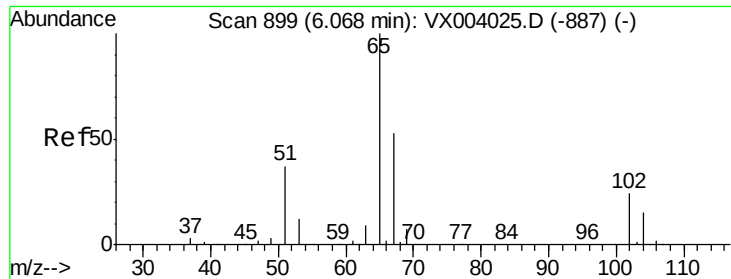
99 64.8 51.8 77.8

61 44.4 34.4 51.6



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

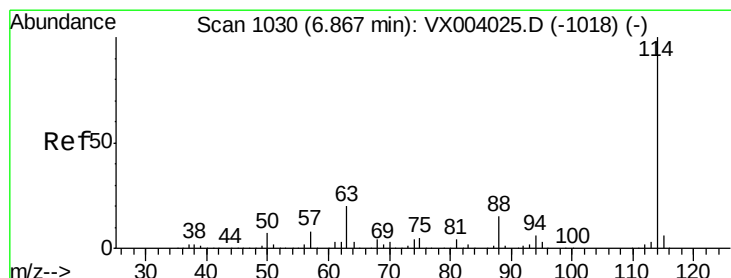
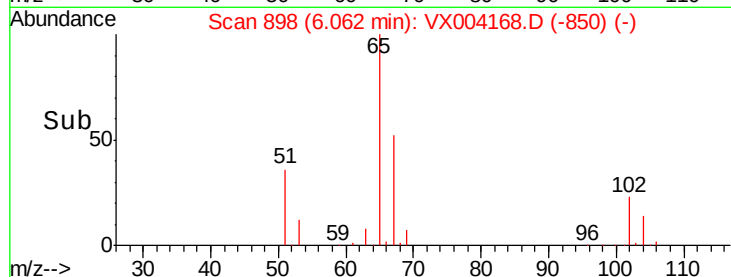
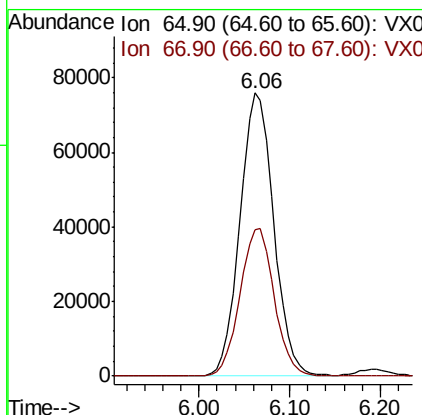
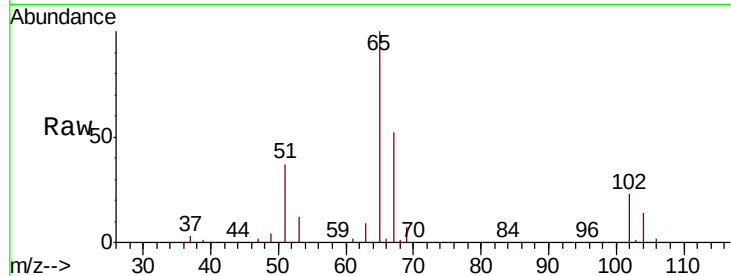




#33
 1,2-Dichloroethane-d4
 Concen: 44.72 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

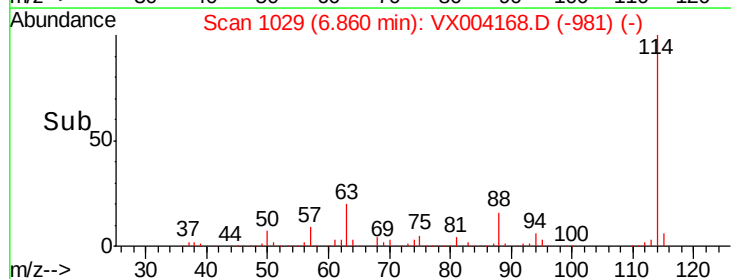
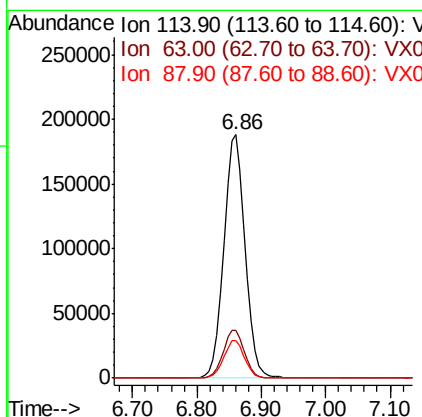
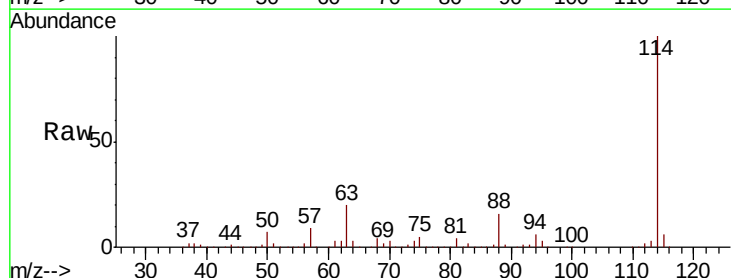
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

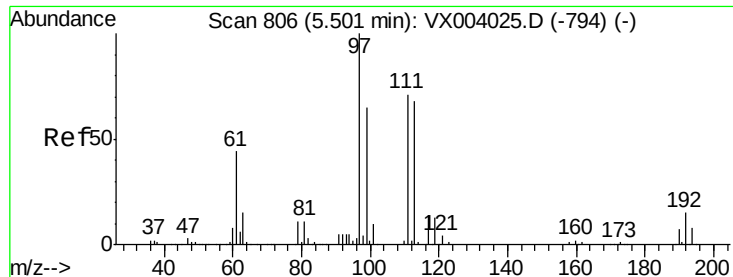
Tot Ion: 65 Resp: 195934
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion: 114 Resp: 437514
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.7 0.0 32.0

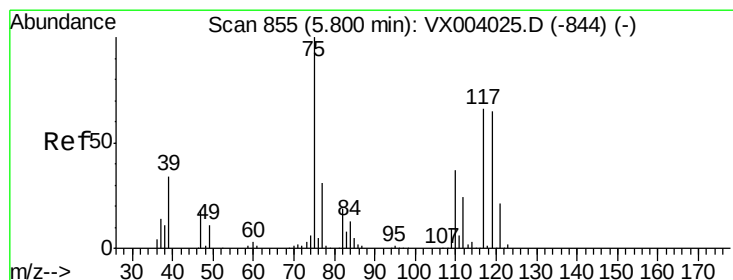
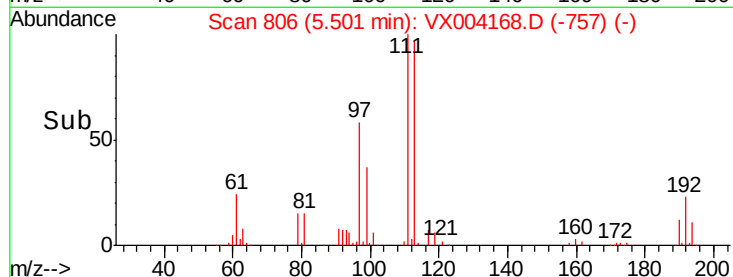
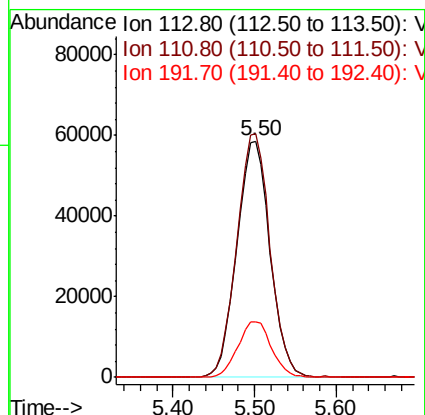
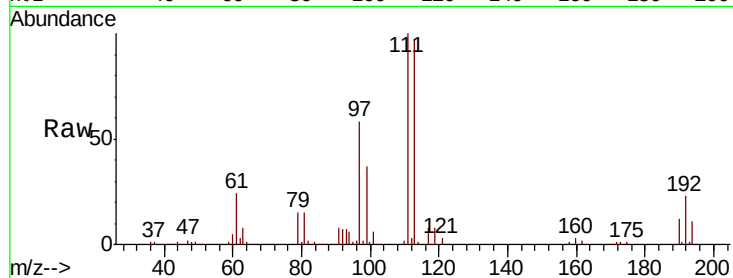




#35
 Dibromofluoromethane
 Concen: 50.48 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

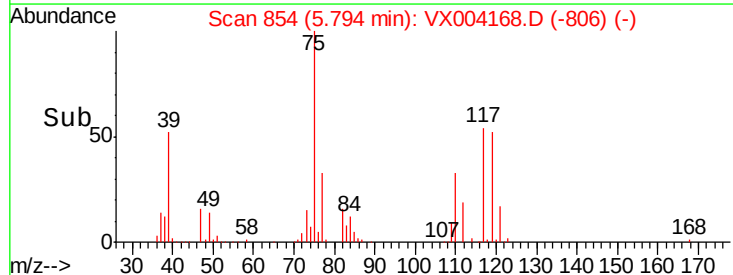
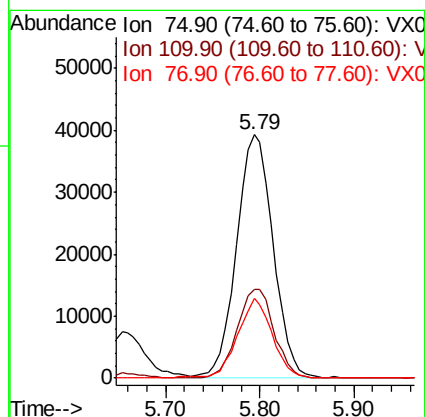
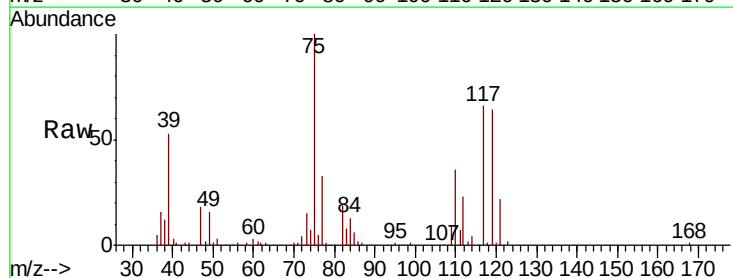
Instrument :
 MSVOA_X
 ClientSampled :
 VX0821WBS01

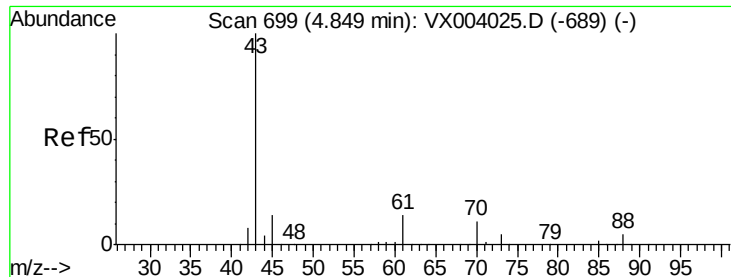
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	23.8	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 21.34 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.2	54.6
77	31.0	25.0	37.4





#37

Ethyl Acetate

Concen: 19.44 ug/l

RT: 4.85 min Scan# 699

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

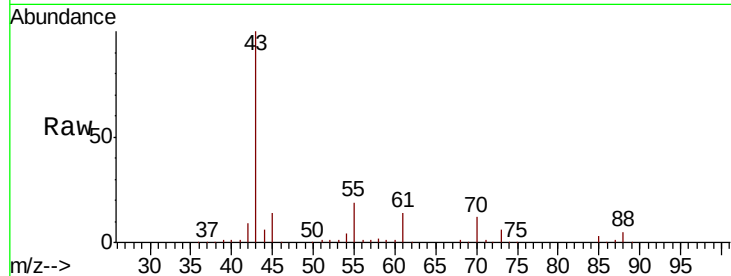
Tot Ion: 43 Resp: 105378

Ion Ratio Lower Upper

43 100

61 14.4 11.5 17.3

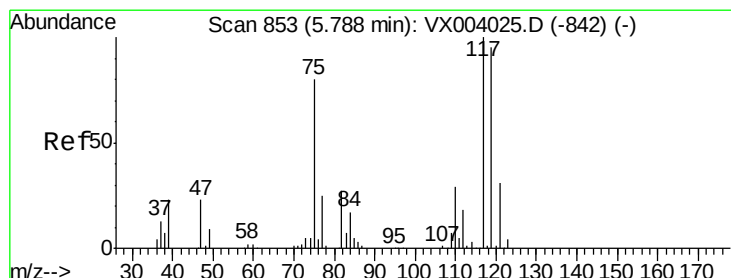
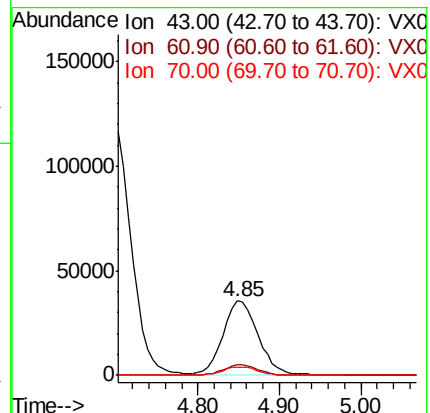
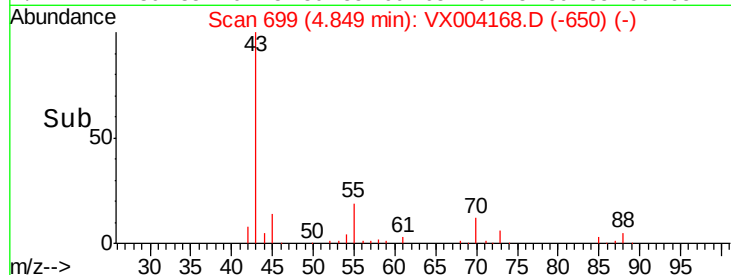
70 11.9 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 21.16 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

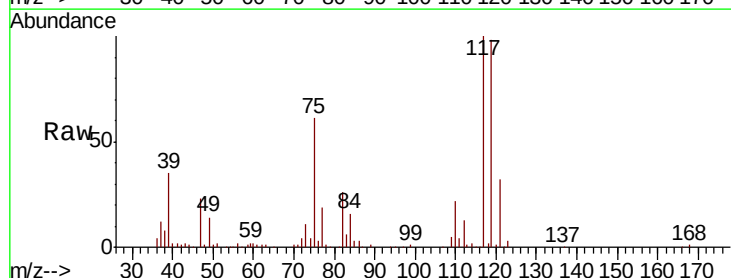
Tgt Ion: 117 Resp: 102351

Ion Ratio Lower Upper

117 100

119 97.4 79.5 119.3

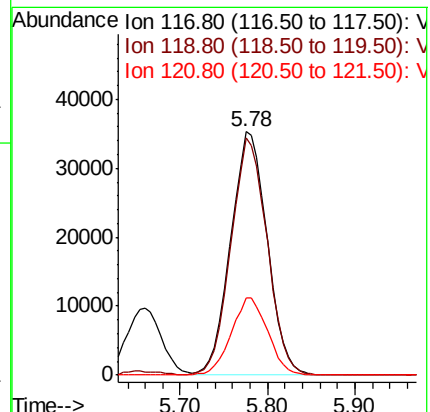
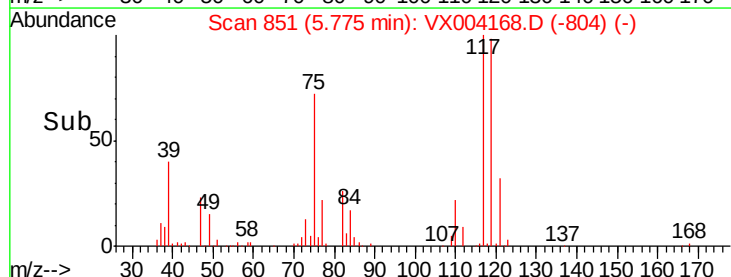
121 31.6 25.0 37.4

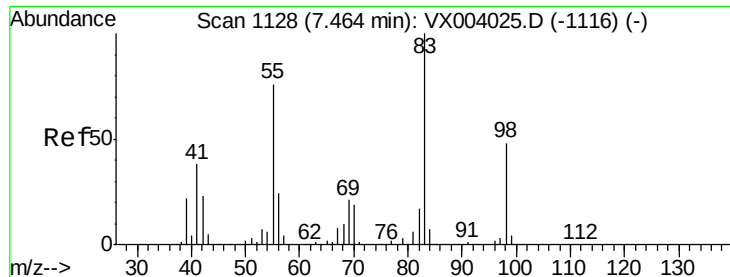


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

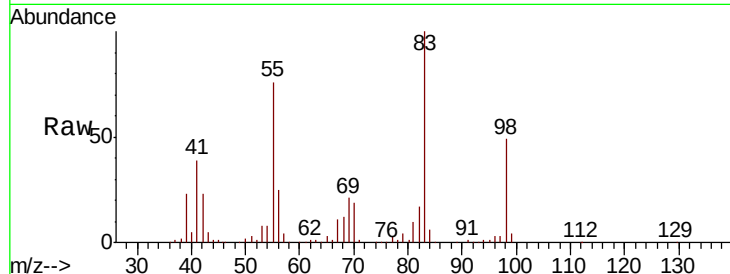




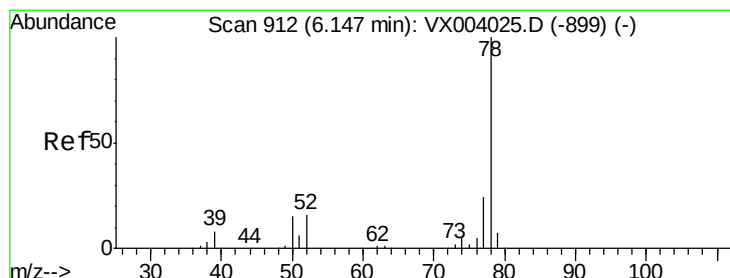
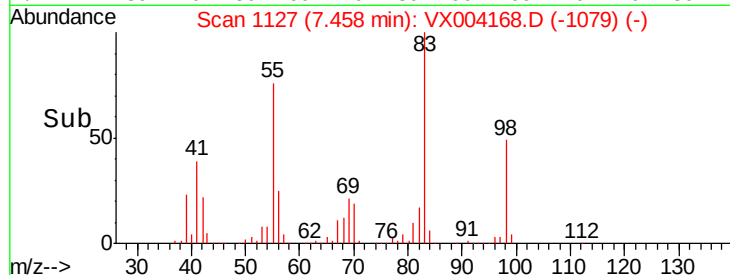
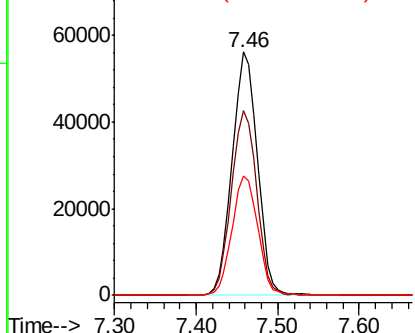
#39
Methylvlcyclohexane
Concen: 21.34 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion: 83 Resp: 120520
Ion Ratio Lower Upper
83 100
55 75.8 61.0 91.6
98 49.1 38.6 57.8

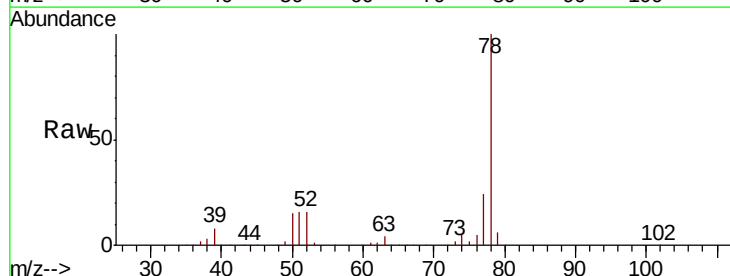


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

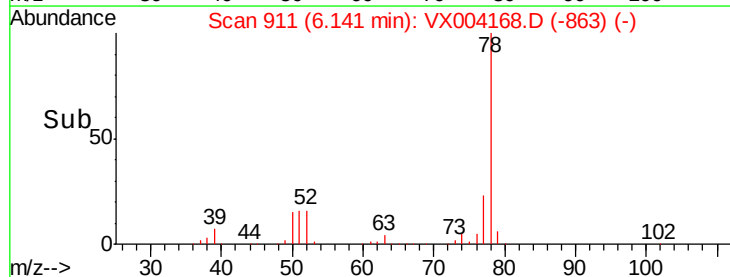
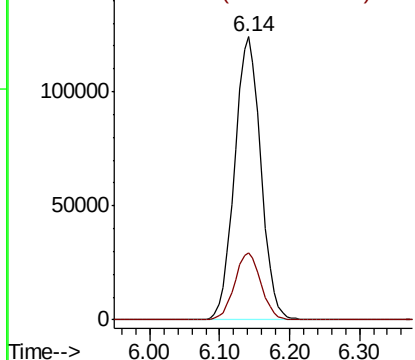


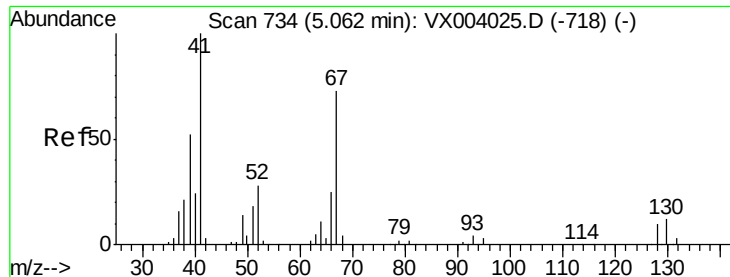
#40
Benzene
Concen: 21.57 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion: 78 Resp: 322514
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.74 ug/l

RT: 5.05 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0821WBS01

Tot Ion: 41 Resp: 59947

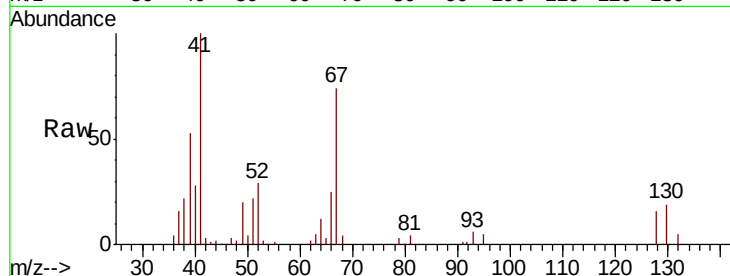
Ion Ratio Lower Upper

41 100

39 54.0 42.7 64.1

67 74.4 58.9 88.3

52 28.8 22.6 33.8



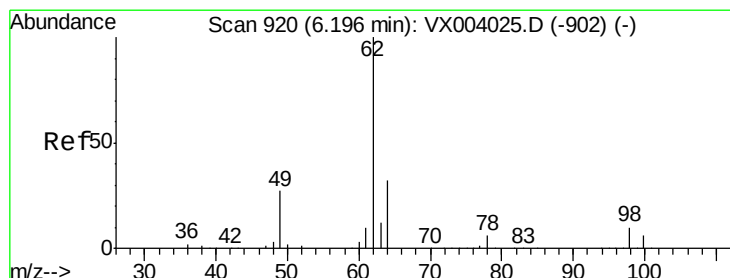
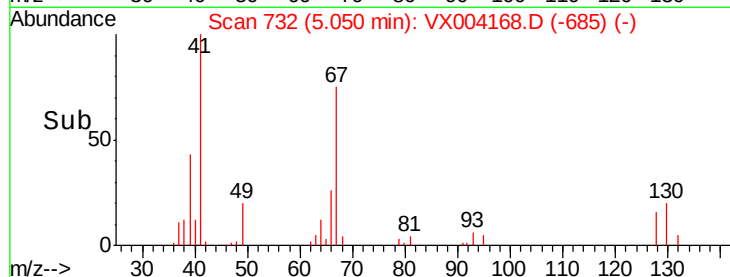
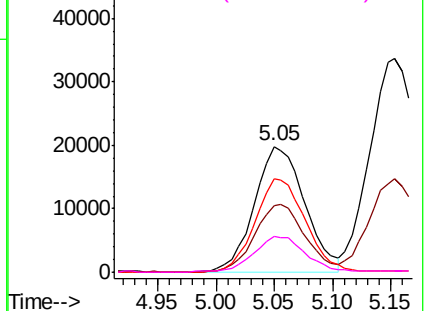
Abundance

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: 21.08 ug/l

RT: 6.19 min Scan# 919

Delta R.T. -0.01 min

Lab File: VX004168.D

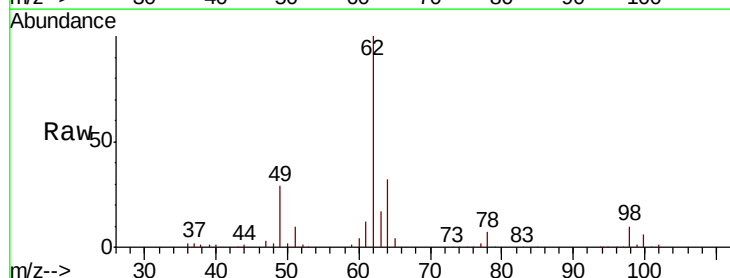
Acq: 21 Aug 2018 11:52

Tgt Ion: 62 Resp: 110300

Ion Ratio Lower Upper

62 100

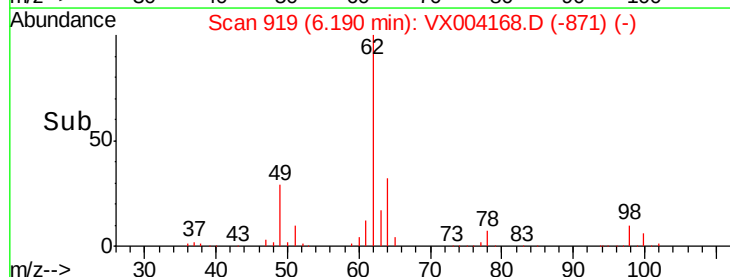
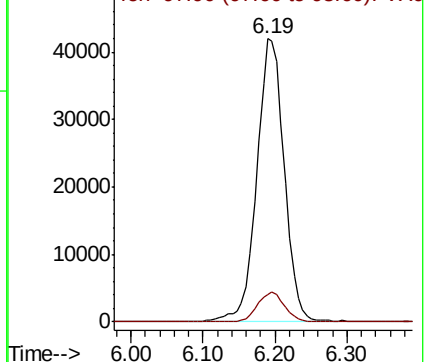
98 10.3 0.0 20.4

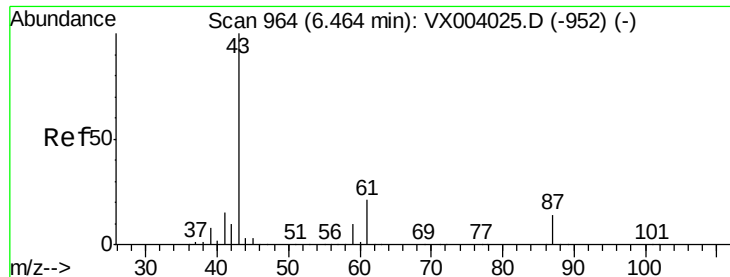


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.96 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

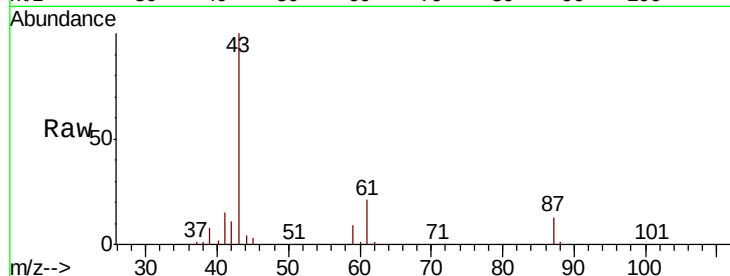
Tot Ion: 43 Resp: 159469

Ion Ratio Lower Upper

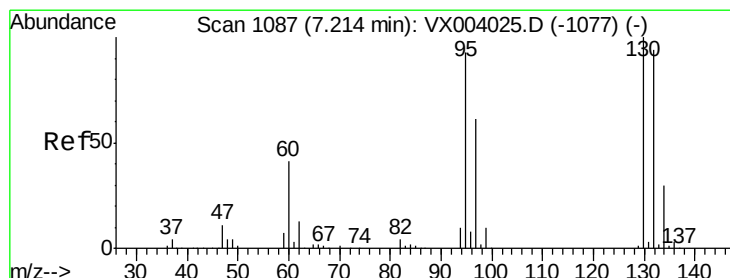
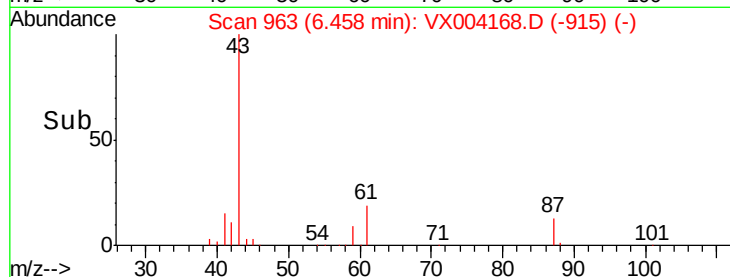
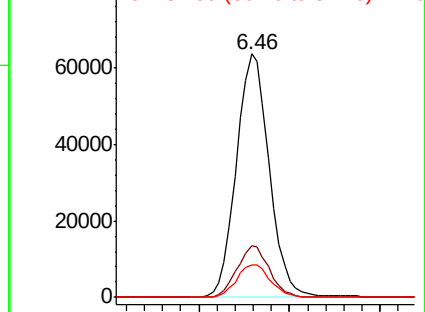
43 100

61 21.0 16.9 25.3

87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 21.45 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004168.D

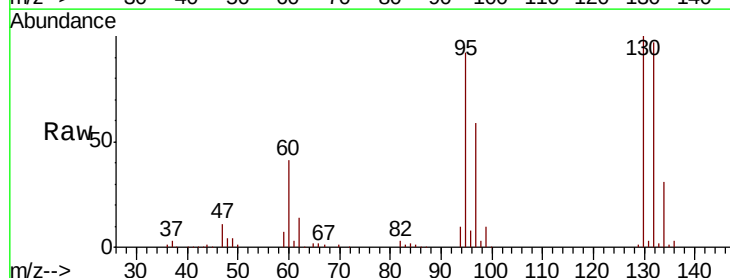
Acq: 21 Aug 2018 11:52

Tgt Ion:130 Resp: 87067

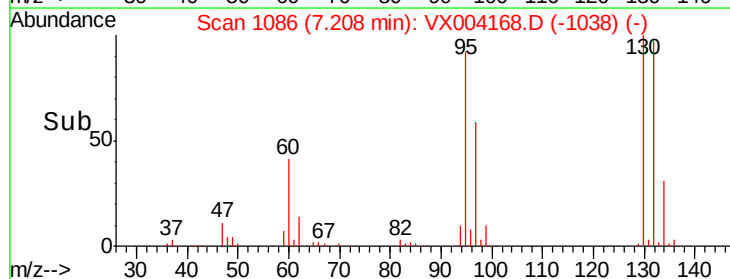
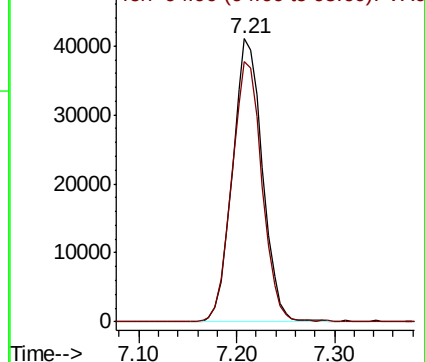
Ion Ratio Lower Upper

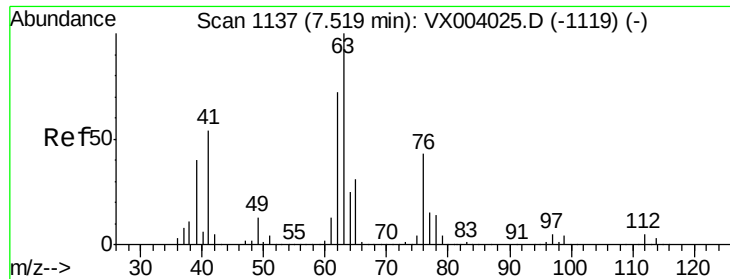
130 100

95 92.0 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

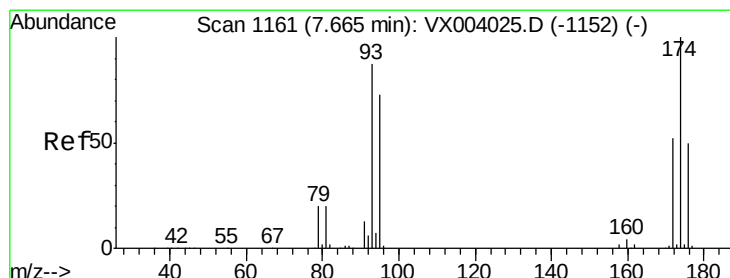
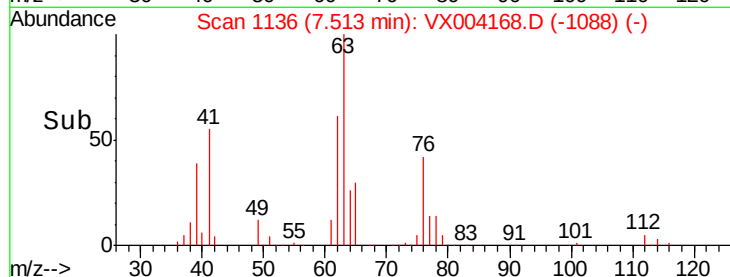
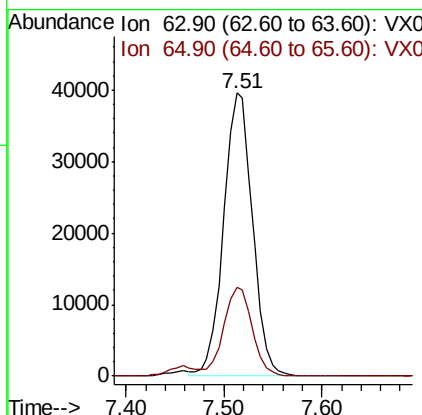
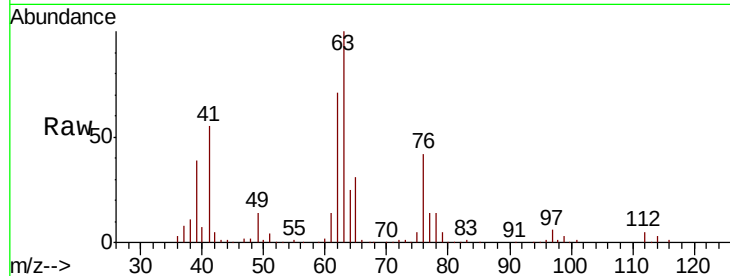




#45
 1,2-Dichloropropane
 Concen: 21.12 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

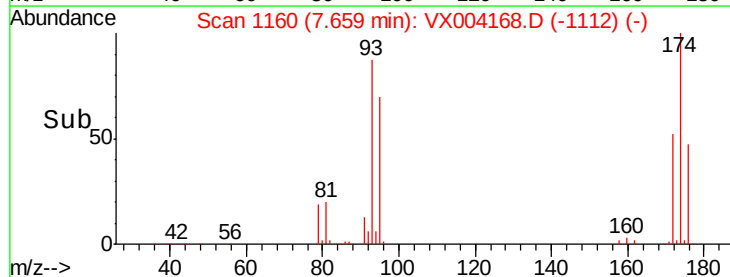
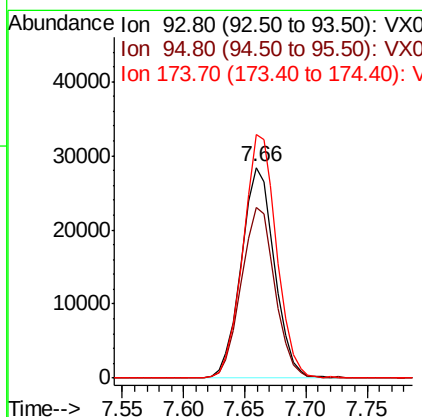
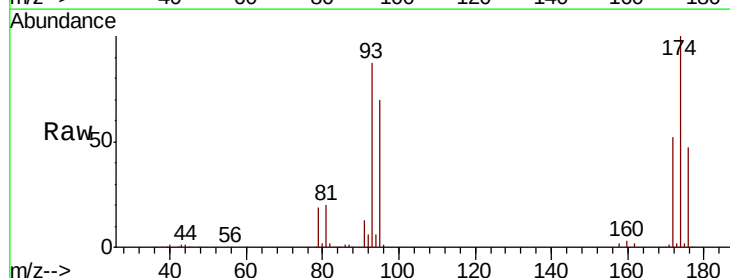
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

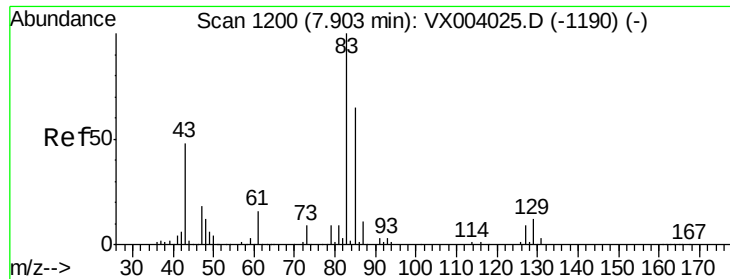
Tot Ion: 63 Resp: 80841
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8



#46
 Dibromomethane
 Concen: 21.45 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion: 93 Resp: 53638
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.4 99.6
 174 116.3 94.3 141.5





#47

Bromodichloromethane

Concen: 21.30 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

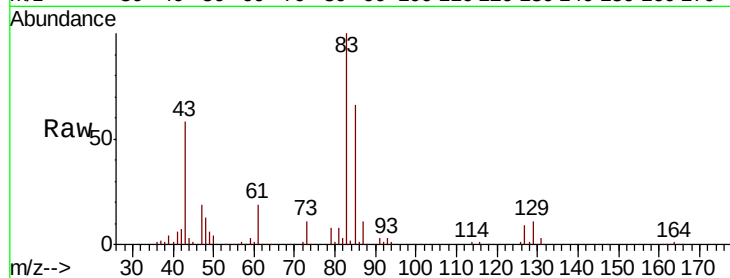
Tot Ion: 83 Resp: 100911

Ion Ratio Lower Upper

83 100

85 65.9 51.2 76.8

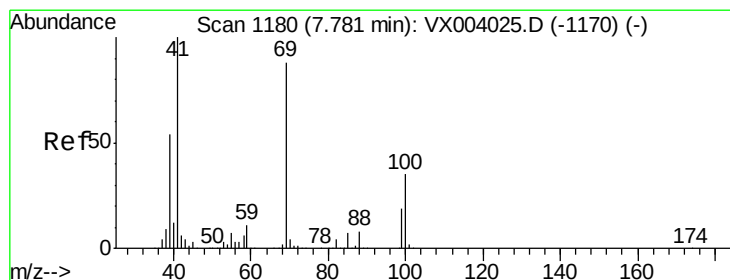
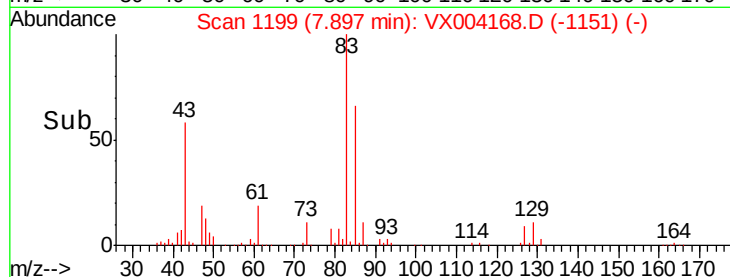
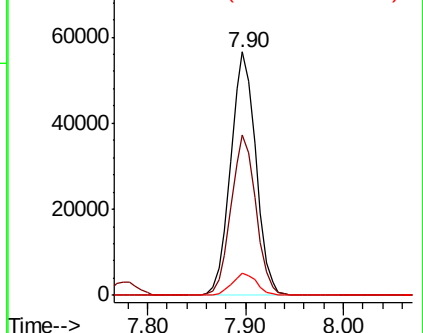
127 8.9 7.2 10.8



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: 20.79 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

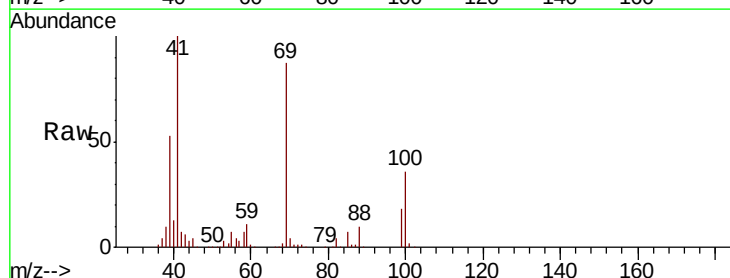
Tgt Ion: 41 Resp: 83650

Ion Ratio Lower Upper

41 100

69 87.5 68.8 103.2

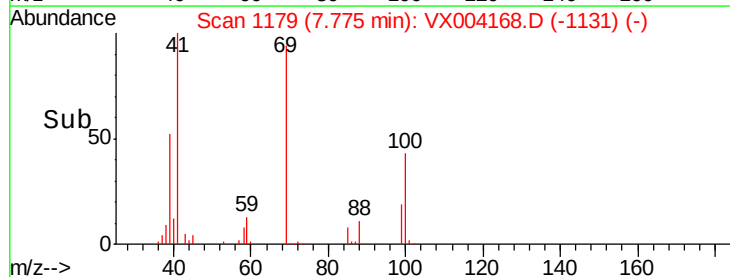
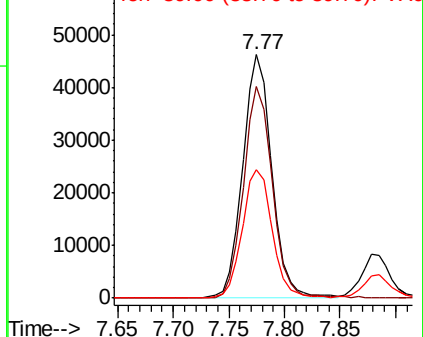
39 54.0 42.3 63.5

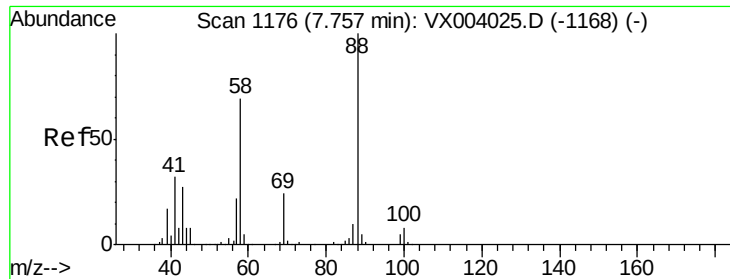


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

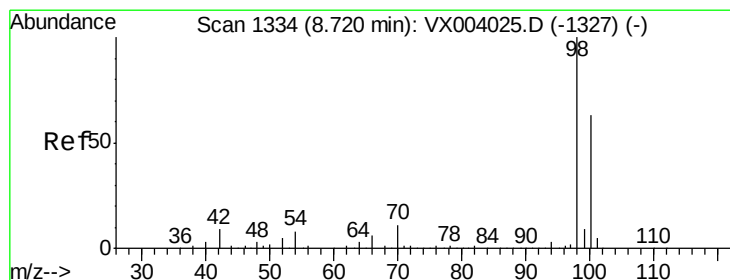
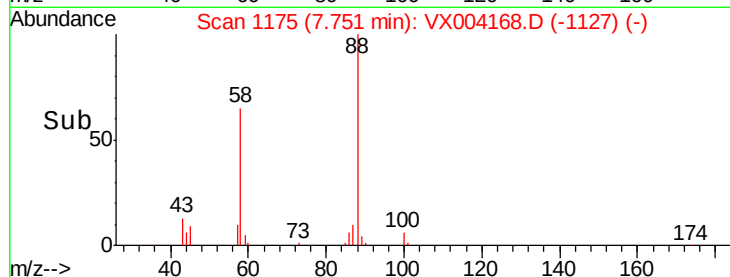
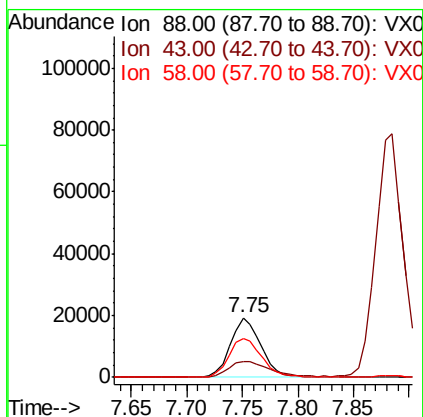
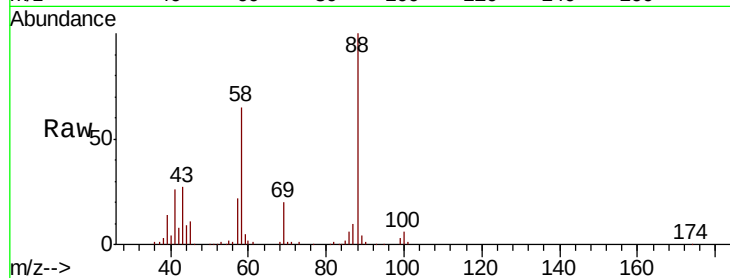




#49
1,4-Dioxane
Concen: 402.48 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

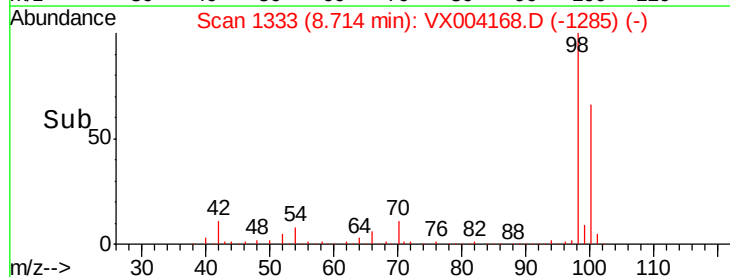
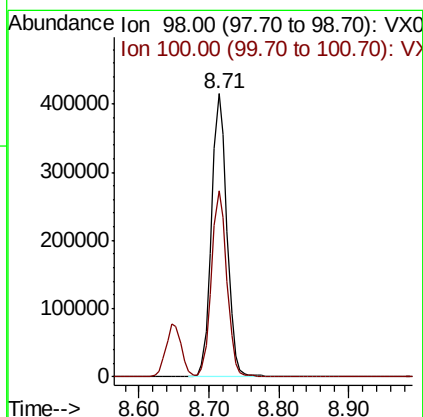
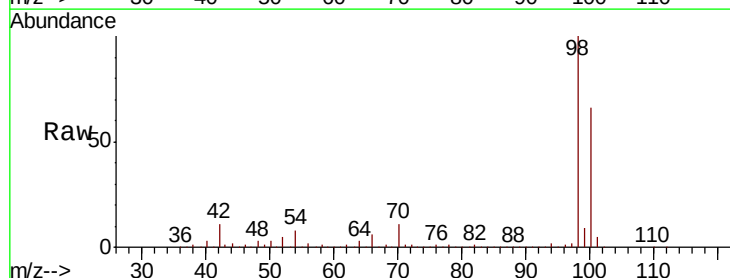
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

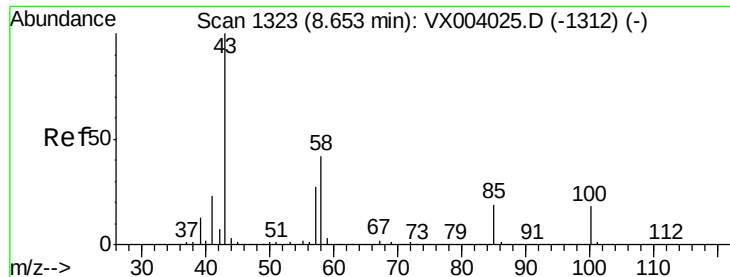
Tot Ion: 88 Resp: 36453
Ion Ratio Lower Upper
88 100
43 36.2 23.8 35.8#
58 71.1 55.4 83.0



#50
Toluene-d8
Concen: 47.94 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion: 98 Resp: 636516
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 106.54 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

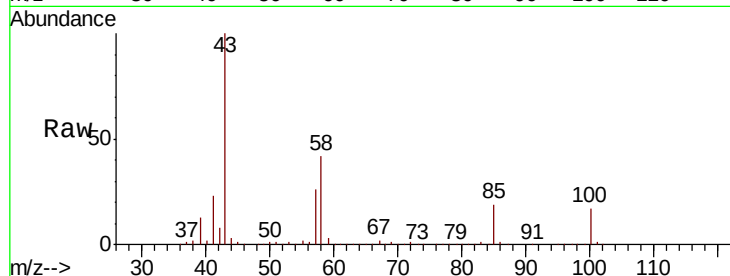
VX0821WBS01

Tot Ion: 43 Resp: 698087

Ion Ratio Lower Upper

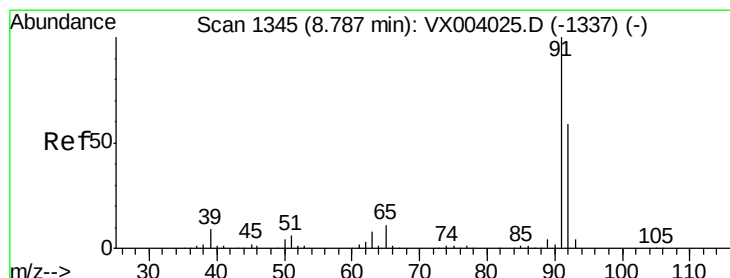
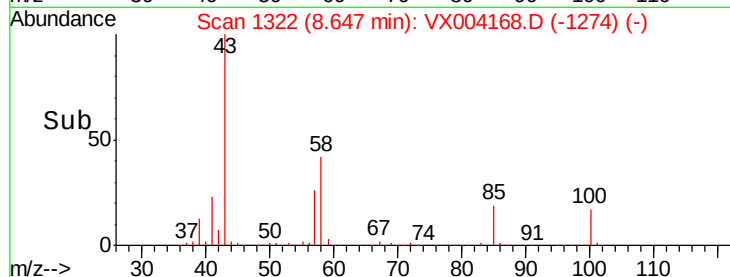
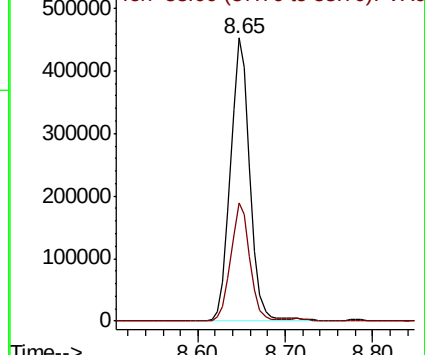
43 100

58 40.9 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 22.07 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX004168.D

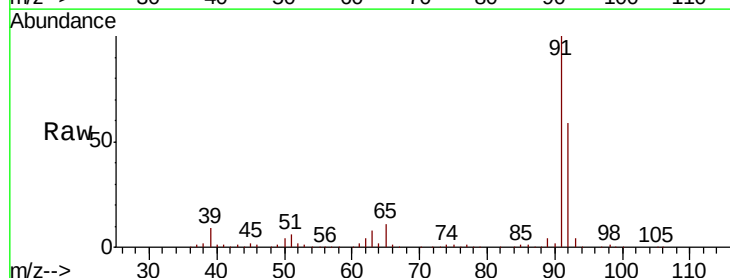
Acq: 21 Aug 2018 11:52

Tgt Ion: 92 Resp: 208645

Ion Ratio Lower Upper

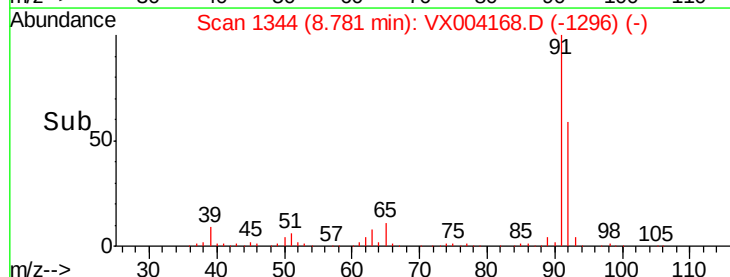
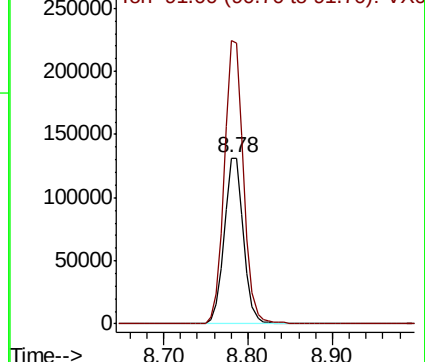
92 100

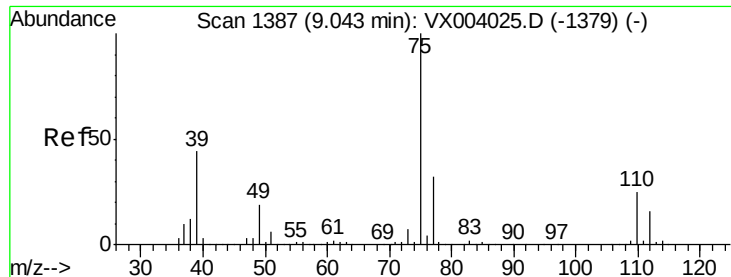
91 169.9 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

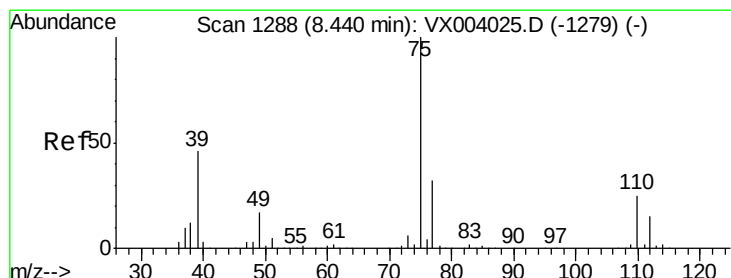
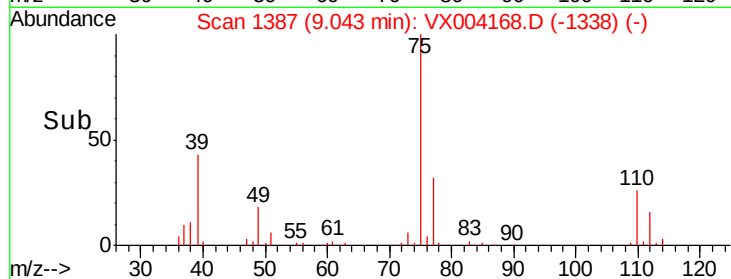
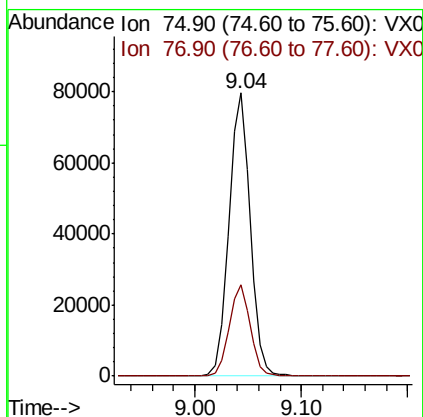
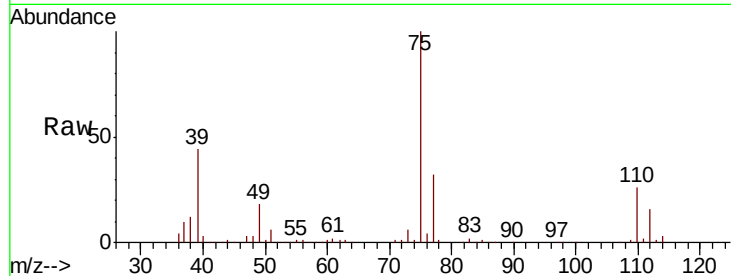




#53
 t-1,3-Dichloropropene
 Concen: 21.85 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

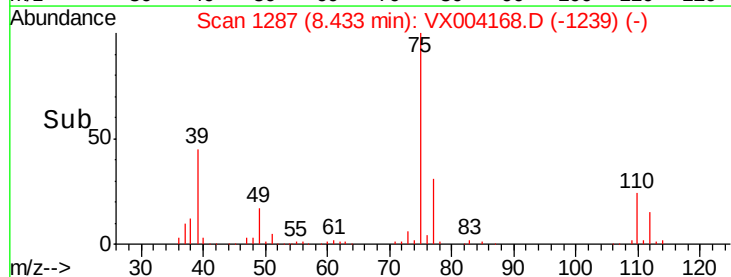
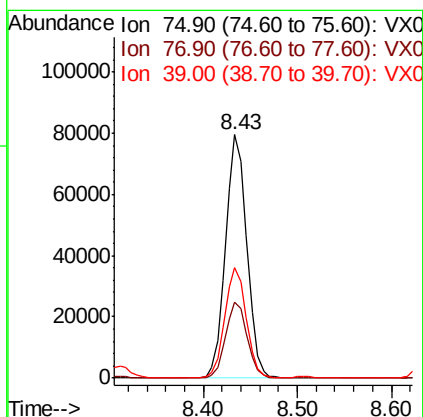
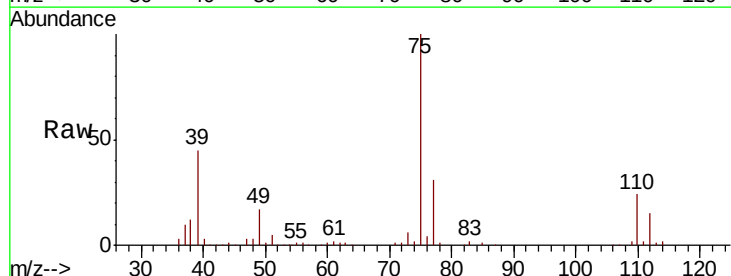
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

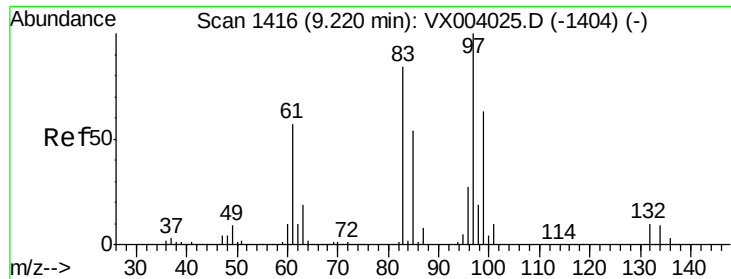
Tot Ion: 75 Resp: 111823
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 21.94 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion: 75 Resp: 124343
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9
 39 45.4 36.2 54.2

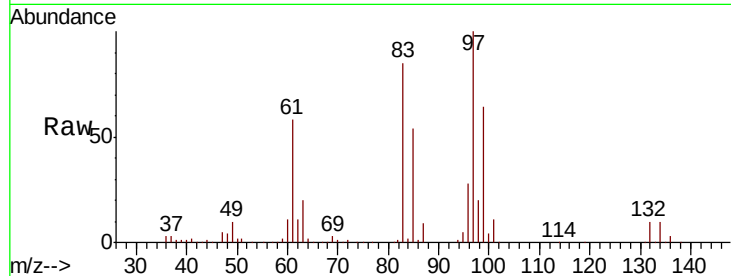




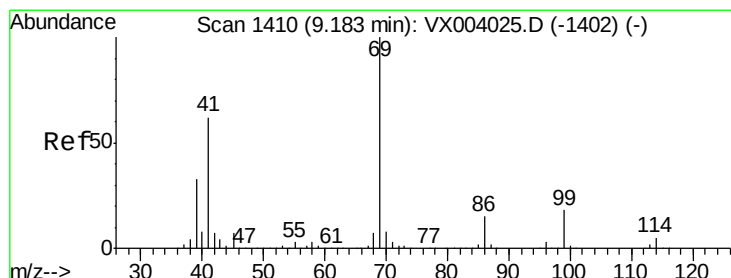
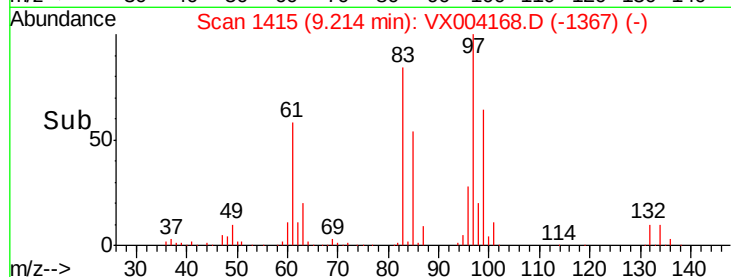
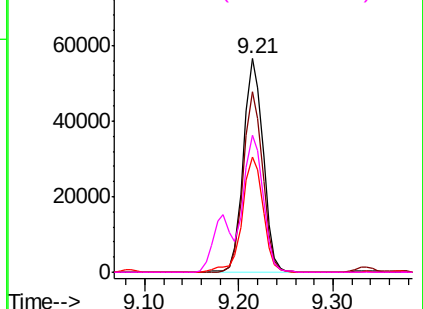
#55
 1,1,2-Trichloroethane
 Concen: 21.25 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Tot Ion:	97	Resp:	82952
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.8	101.6
85	54.1	44.2	66.2
99	64.1	50.8	76.2

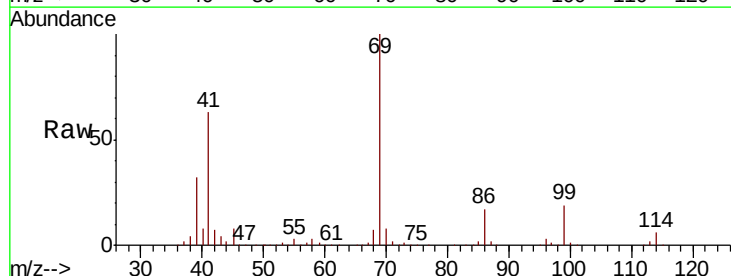


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

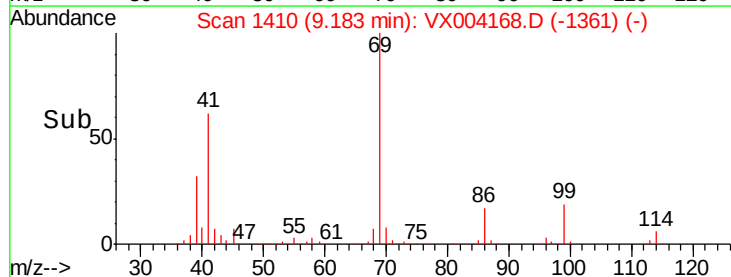
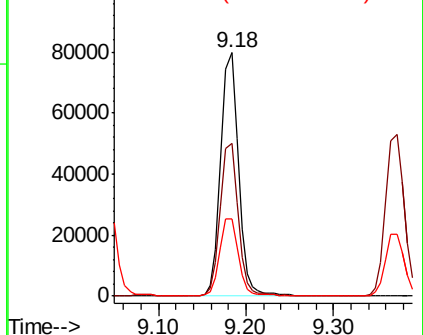


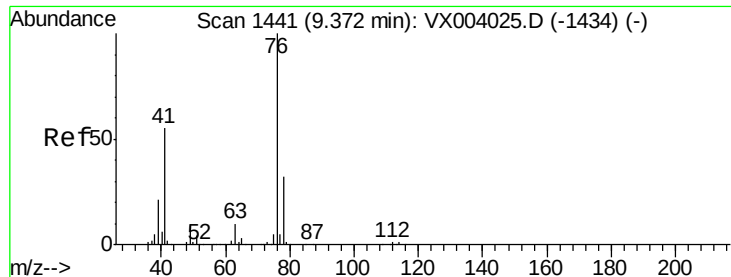
#56
 Ethyl methacrylate
 Concen: 21.33 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion:	69	Resp:	113268
Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.6	76.0
39	32.9	25.8	38.6



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

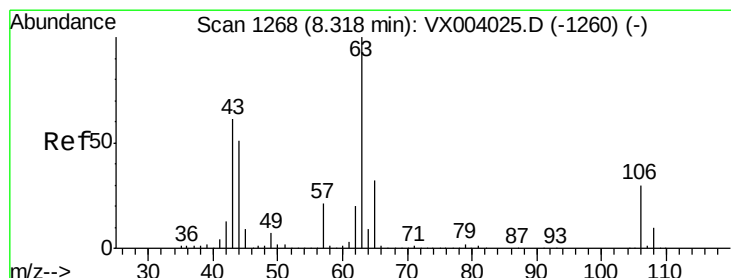
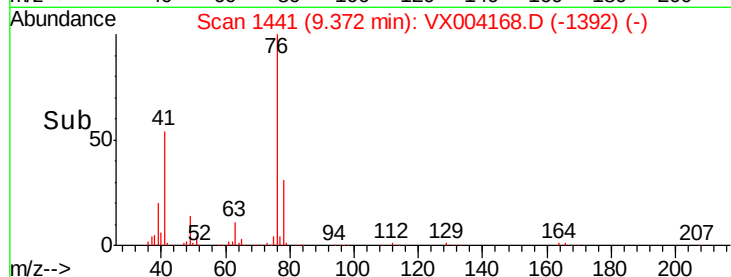
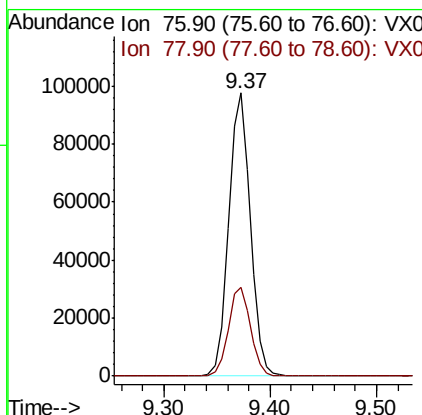
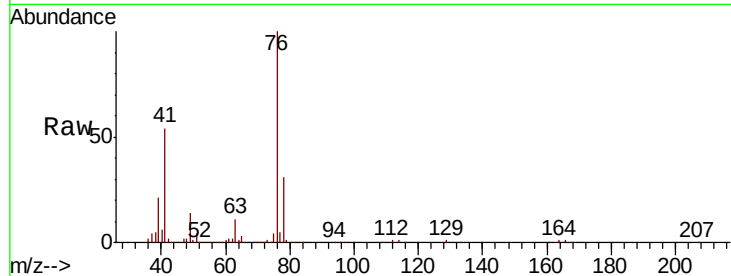




#57
 1,3-Dichloropropane
 Concen: 21.51 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

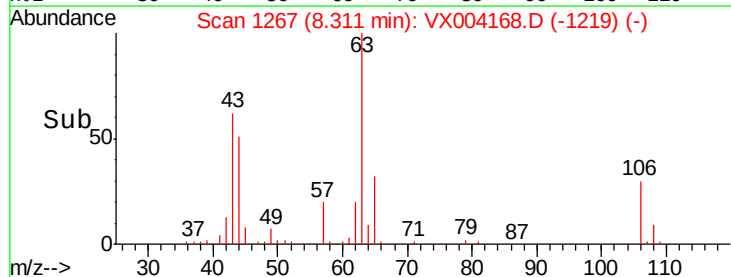
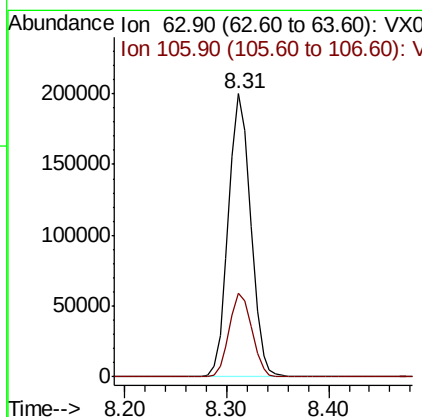
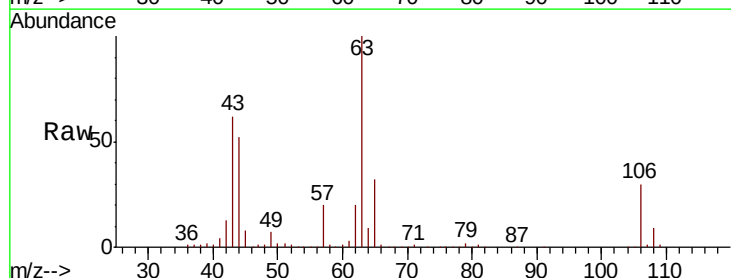
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

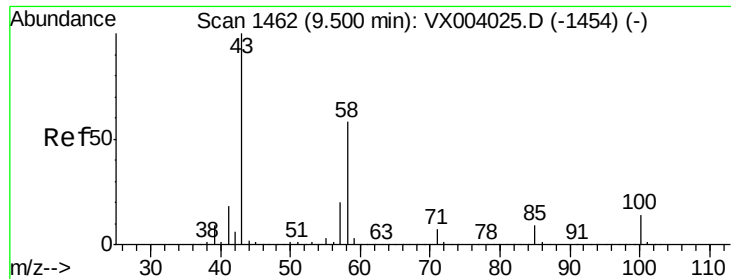
Tot Ion: 76 Resp: 139322
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.37 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion: 63 Resp: 303783
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.8

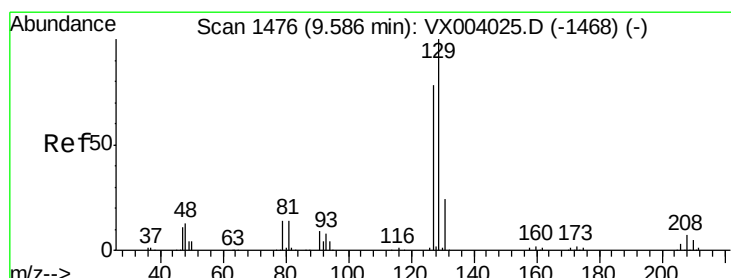
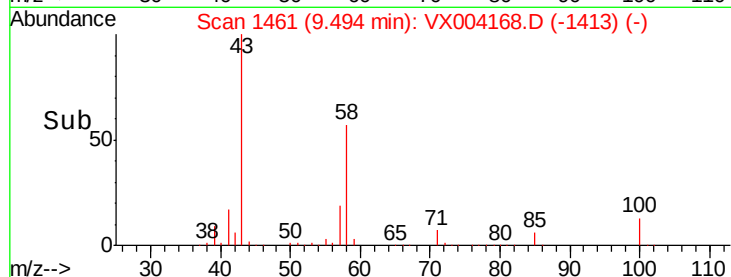
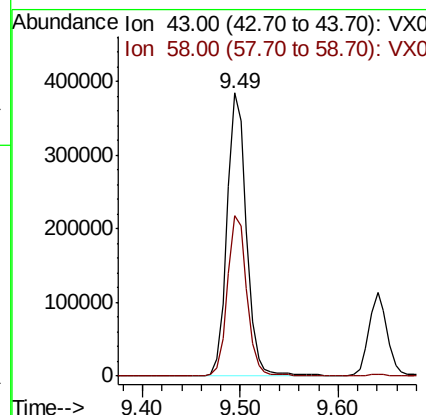
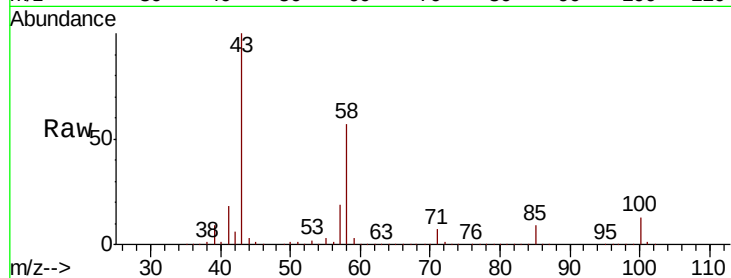




#59
 2-Hexanone
 Concen: 107.46 ug/l
 RT: 9.49 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

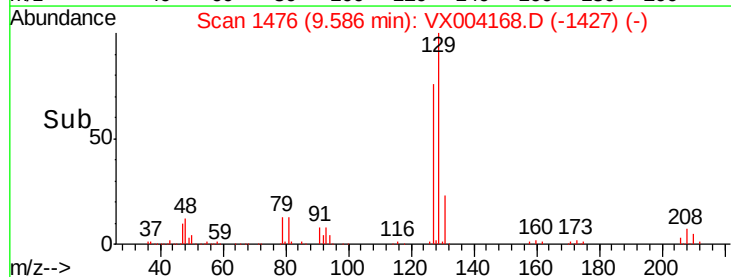
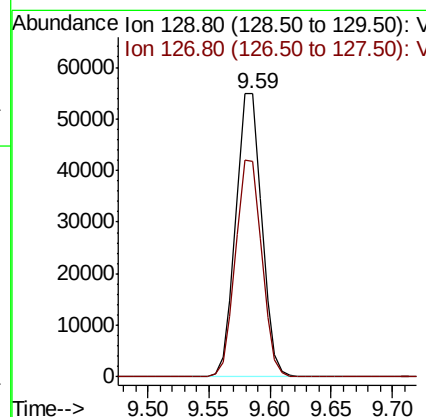
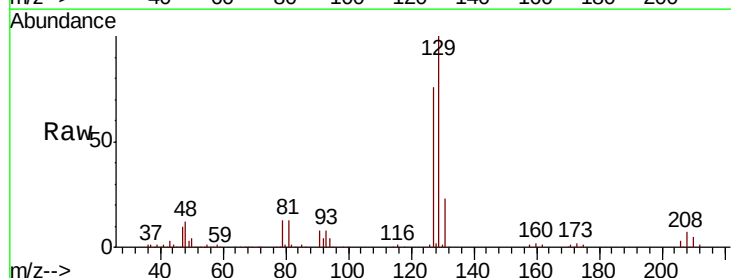
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

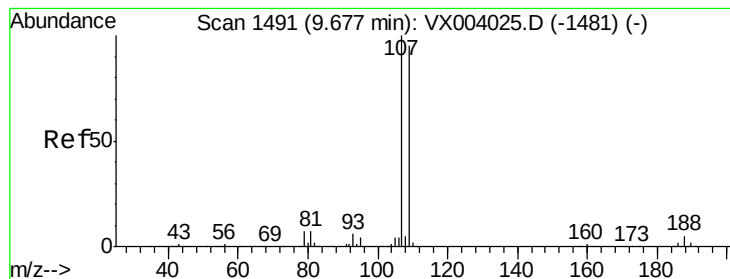
Tot Ion: 43 Resp: 529915
 Ion Ratio Lower Upper
 43 100
 58 56.9 29.0 87.0



#60
 Dibromochloromethane
 Concen: 21.38 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion: 129 Resp: 80343
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 21.39 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

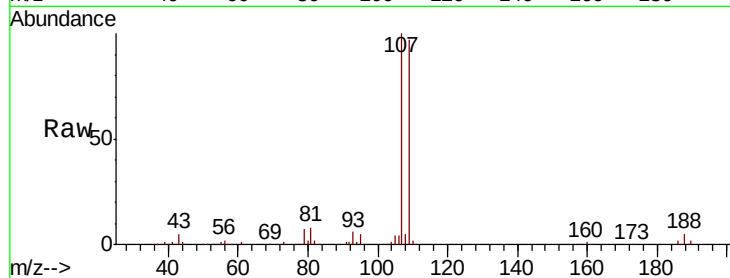
VX0821WBS01

Tot Ion: 107 Resp: 85138

Ion Ratio Lower Upper

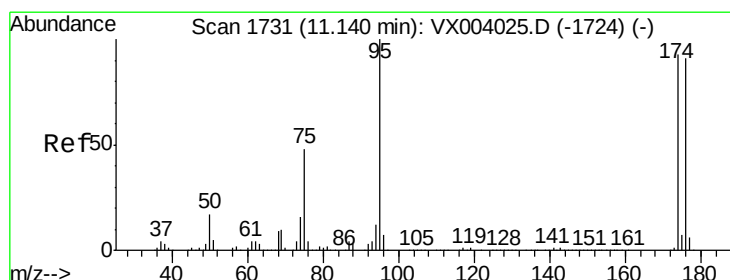
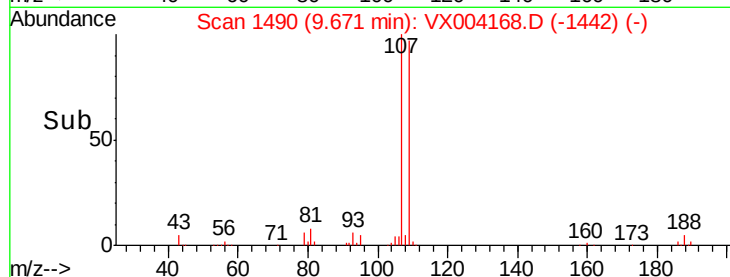
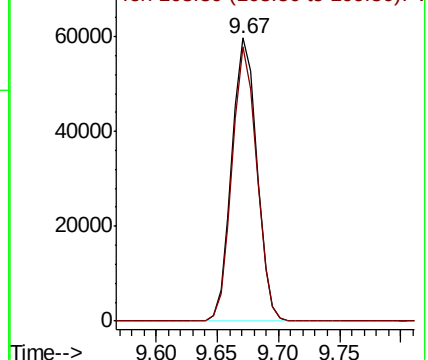
107 100

109 94.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.66 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

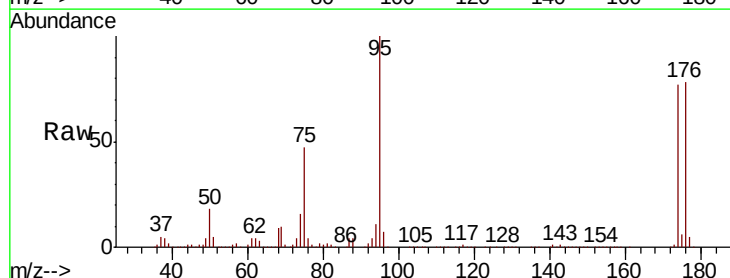
Tgt Ion: 95 Resp: 229479

Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

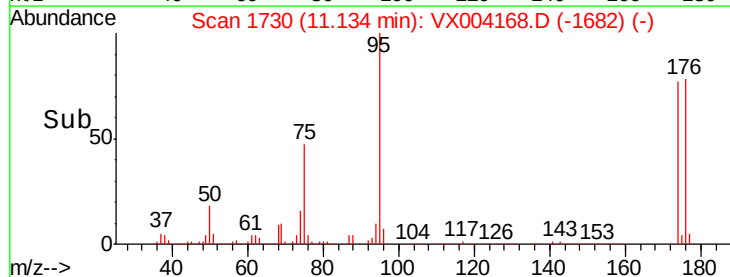
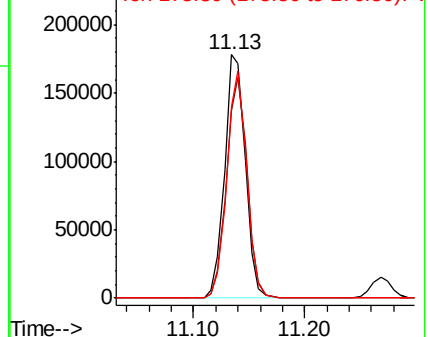
176 89.6 0.0 179.0

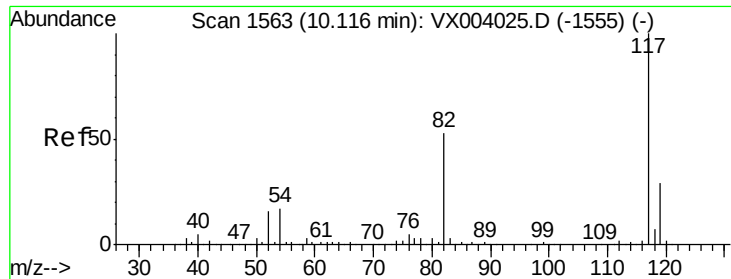


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

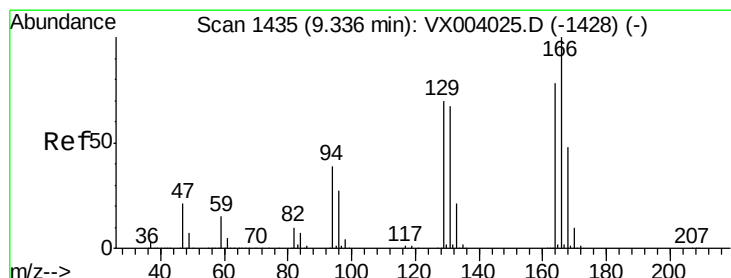
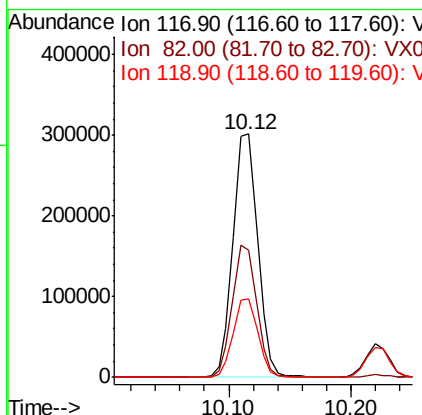
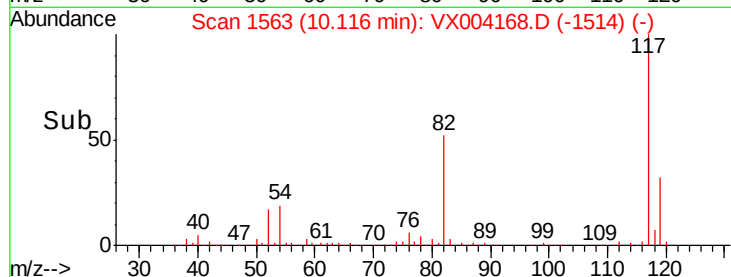
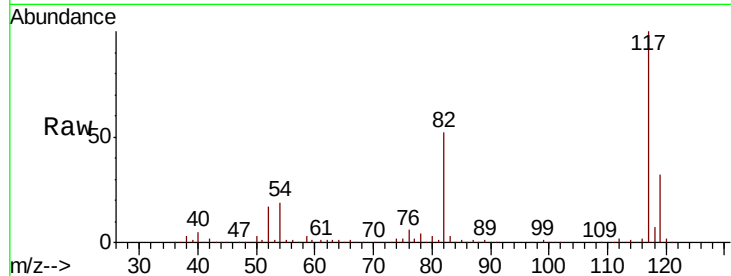




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

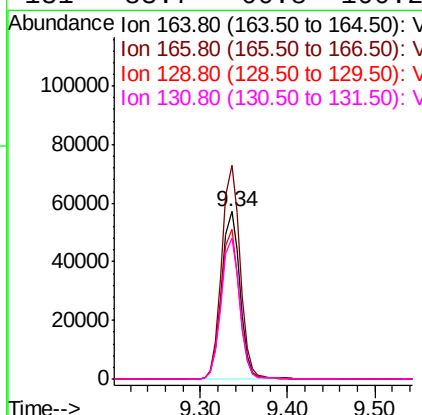
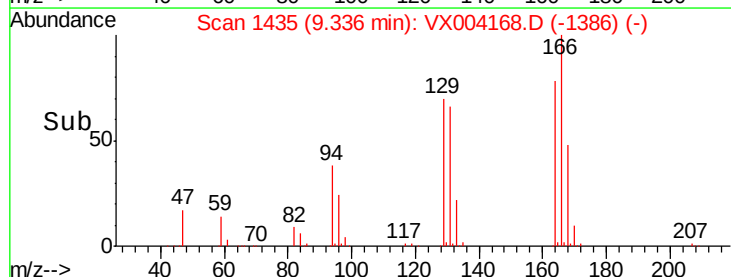
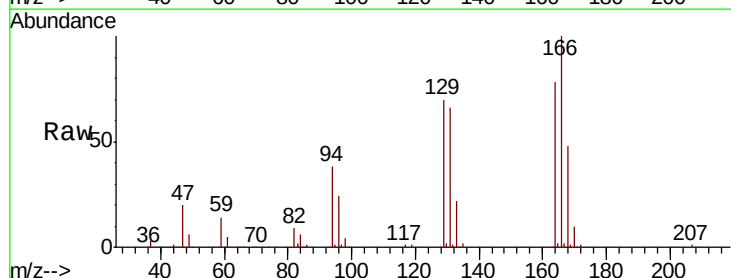
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

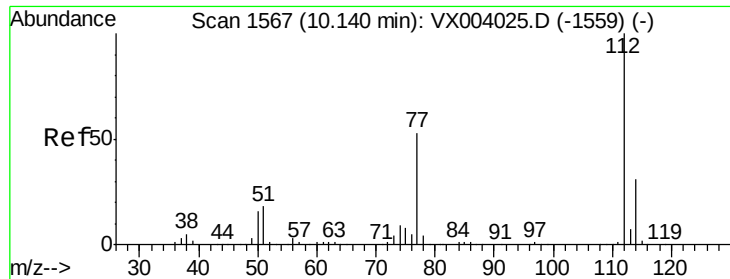
Tot Ion:117 Resp: 423825
Ion Ratio Lower Upper
117 100
82 52.2 45.4 68.0
119 32.5 26.6 40.0



#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion:164 Resp: 83068
Ion Ratio Lower Upper
164 100
166 127.5 98.0 147.0
129 89.6 64.3 96.5
131 83.7 66.8 100.2





#65

Chlorobenzene

Concen: 20.99 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

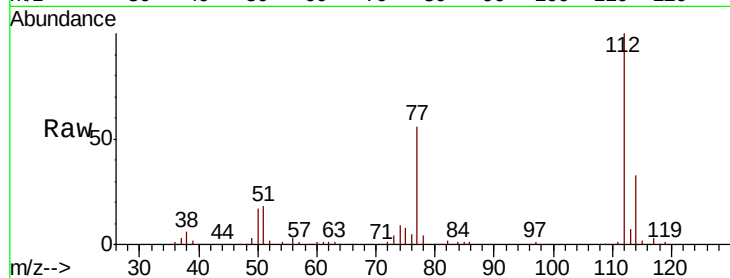
VX0821WBS01

Tot Ion:112 Resp: 229812

Ion Ratio Lower Upper

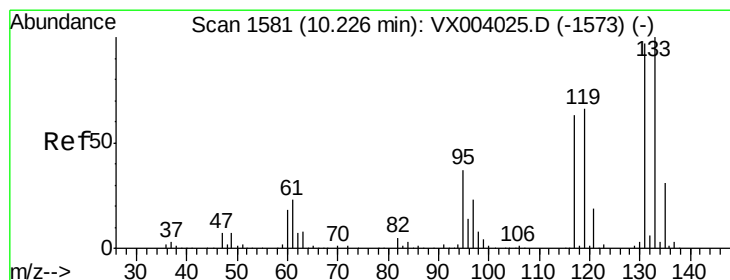
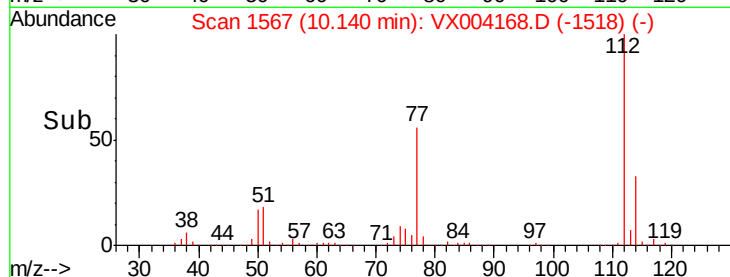
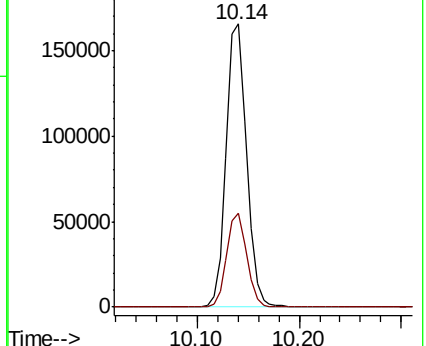
112 100

114 33.1 23.6 35.4



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: 21.64 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

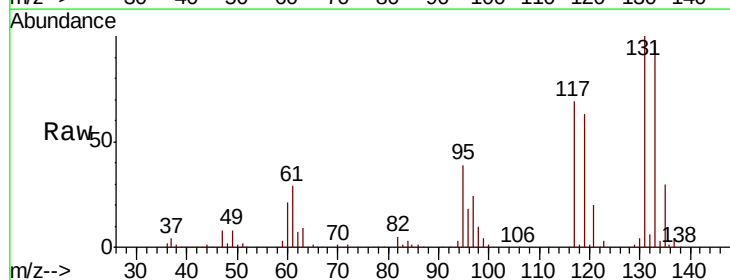
Tgt Ion:131 Resp: 80799

Ion Ratio Lower Upper

131 100

133 96.3 47.3 141.8

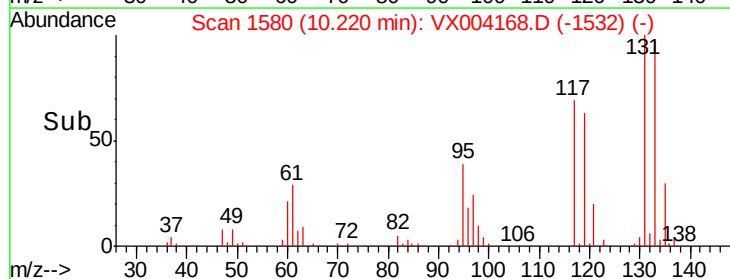
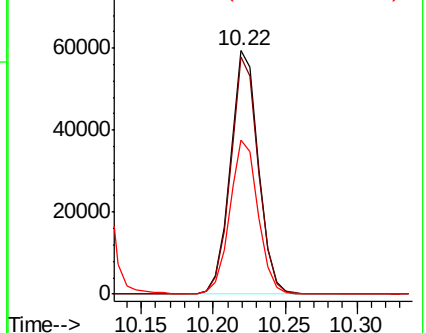
119 63.8 31.6 94.8

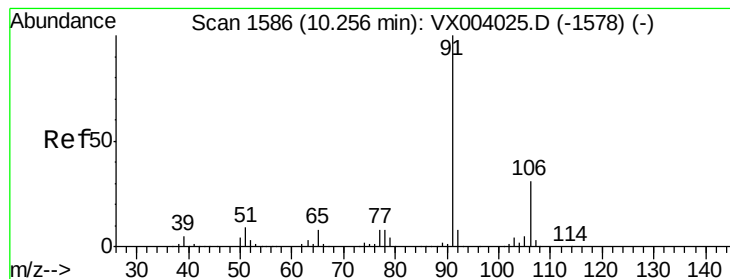


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.19 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

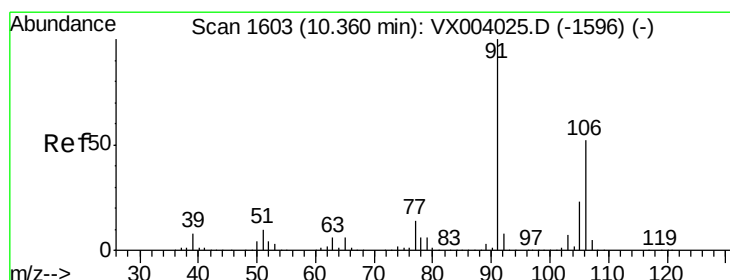
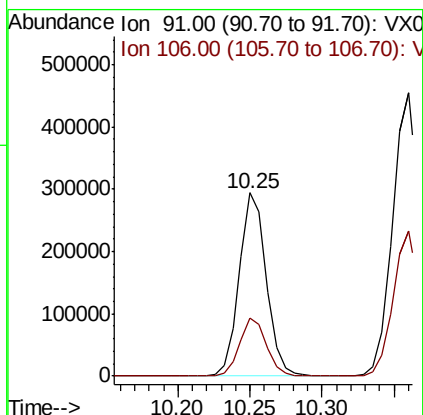
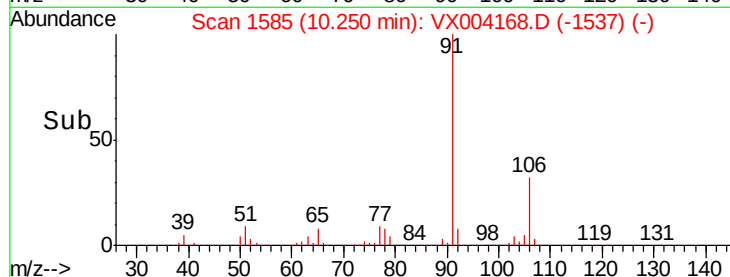
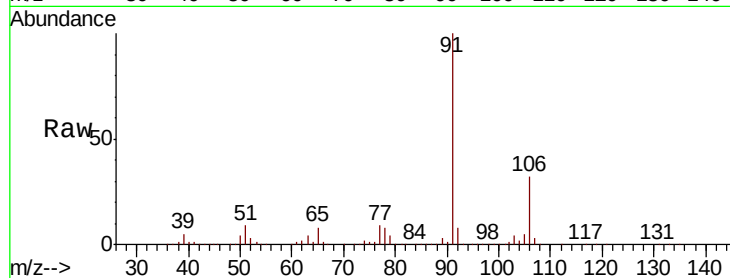
VX0821WBS01

Tot Ion: 91 Resp: 384701

Ion Ratio Lower Upper

91 100

106 31.5 25.9 38.9



#68

m/p-Xylenes

Concen: 45.71 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004168.D

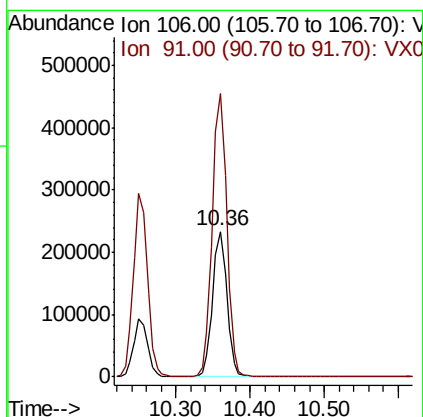
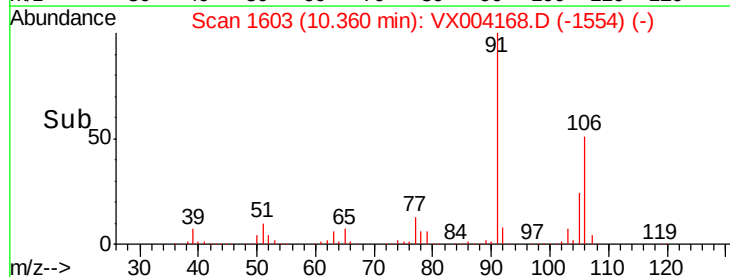
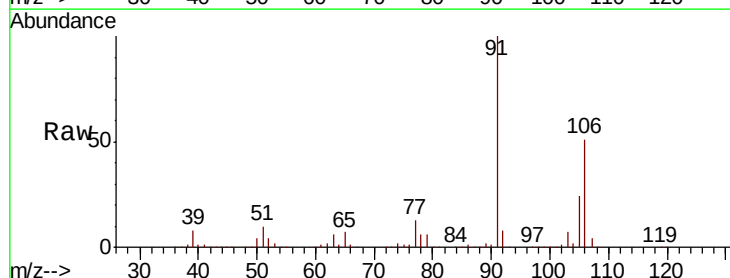
Acq: 21 Aug 2018 11:52

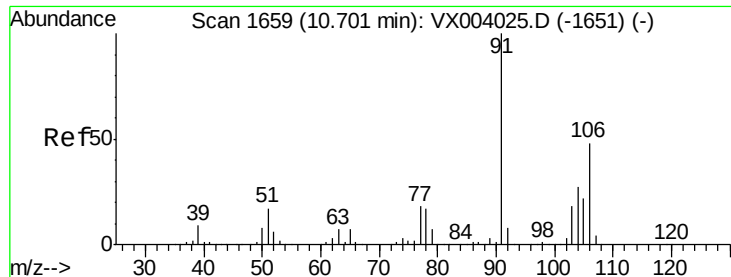
Tgt Ion: 106 Resp: 310335

Ion Ratio Lower Upper

106 100

91 197.7 162.3 243.5

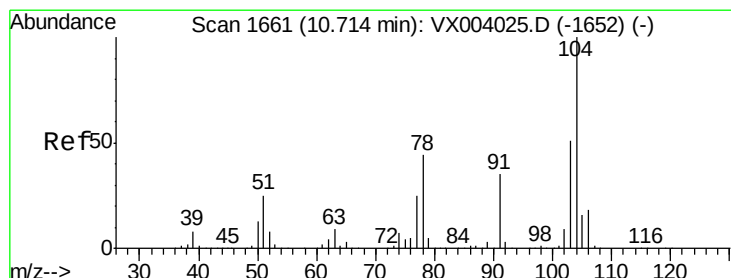
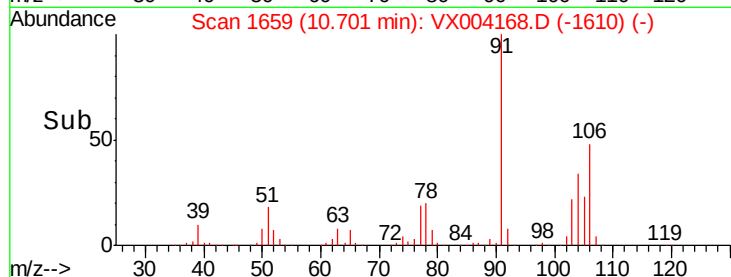
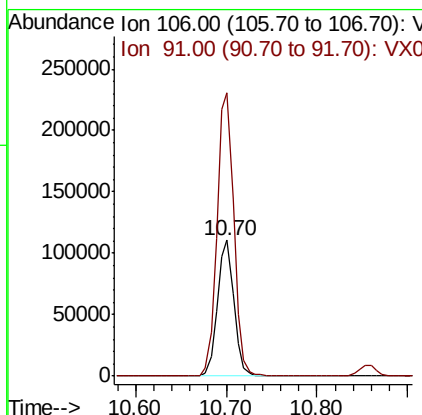
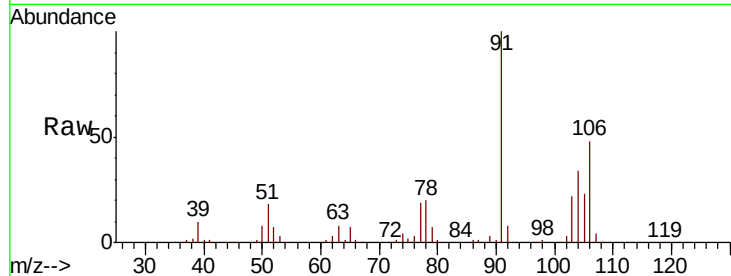




#69
o-Xylene
Concen: 21.73 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

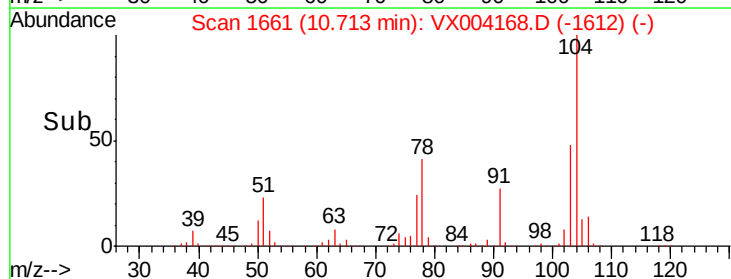
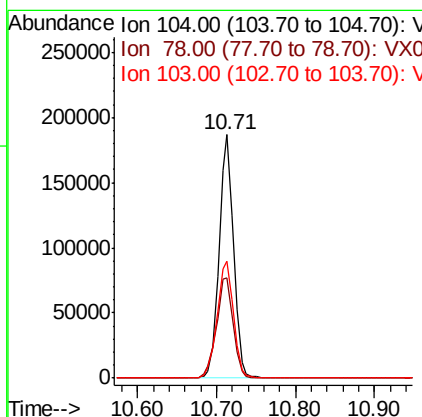
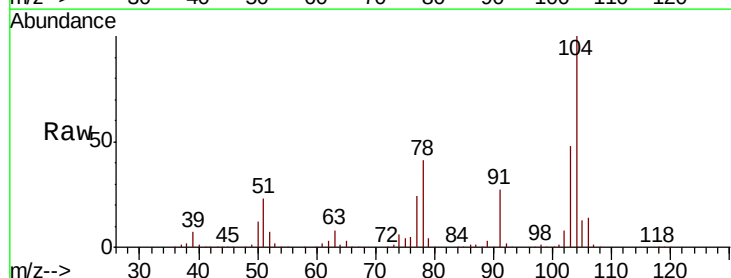
Instrument :
MSVOA_X
ClientSampled :
VX0821WBS01

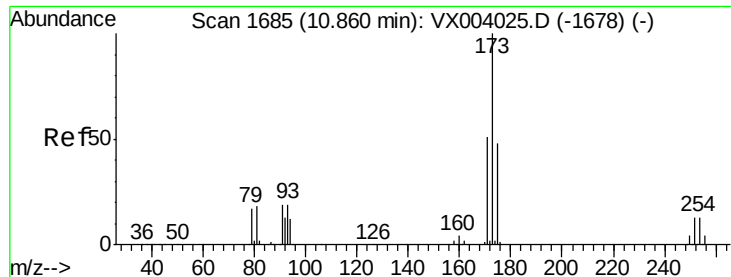
Tot Ion:106 Resp: 140965
Ion Ratio Lower Upper
106 100
91 213.5 101.9 305.7



#70
Styrene
Concen: 22.02 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion:104 Resp: 240471
Ion Ratio Lower Upper
104 100
78 47.8 39.8 59.6
103 54.4 44.3 66.5





#71

Bromoform

Concen: 19.67 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

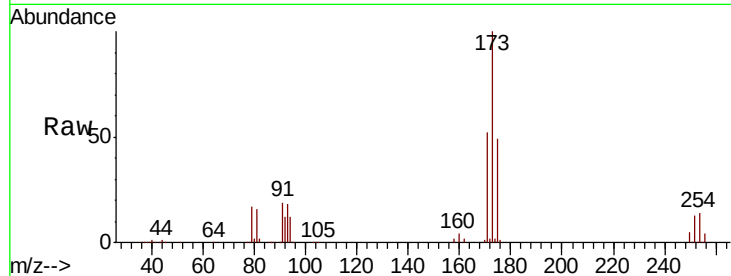
Tot Ion:173 Resp: 58230

Ion Ratio Lower Upper

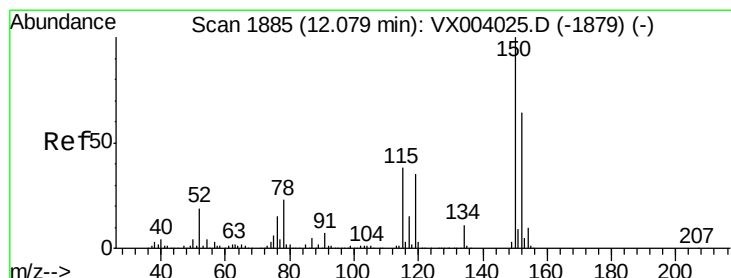
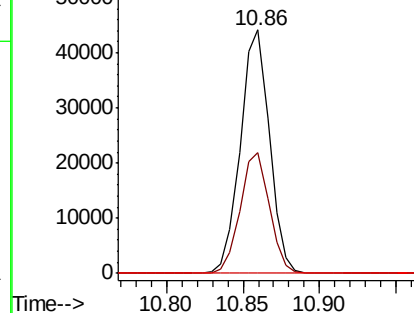
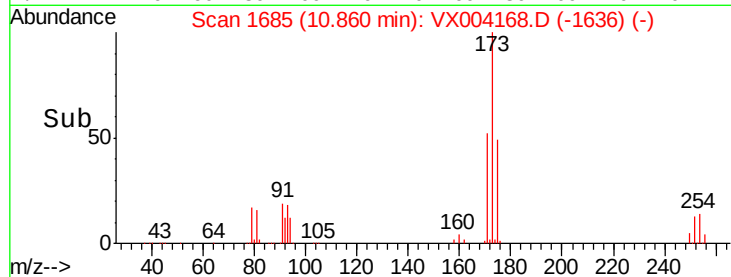
173 100

175 49.7 24.9 74.7

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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

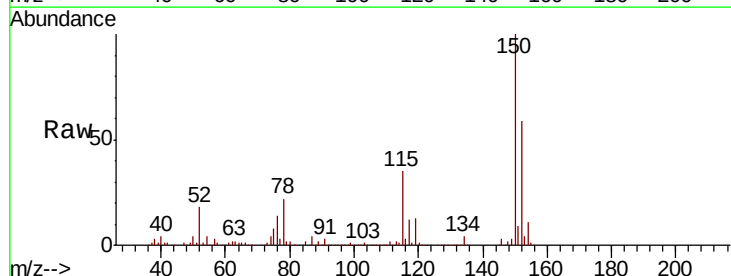
Tgt Ion:152 Resp: 246183

Ion Ratio Lower Upper

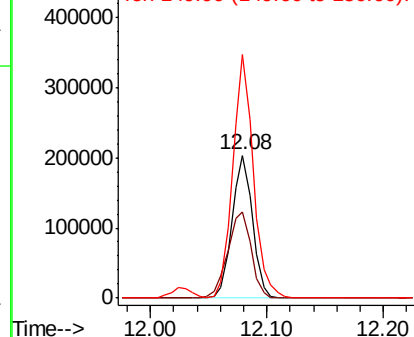
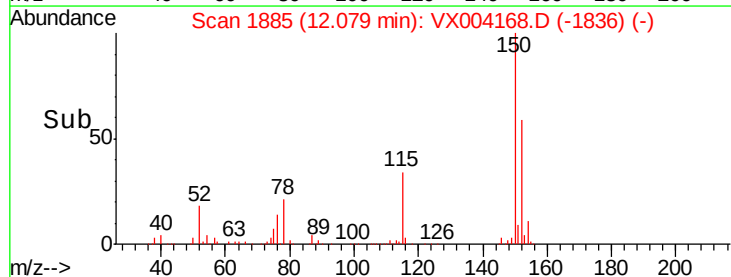
152 100

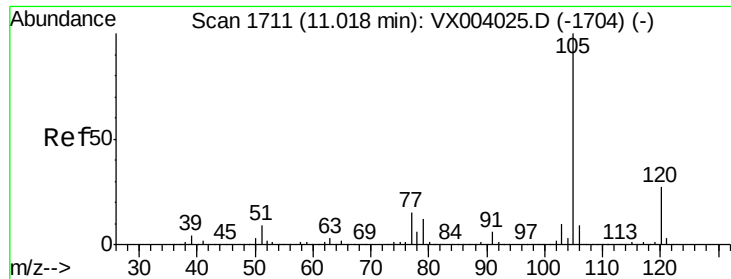
115 69.5 39.1 117.3

150 172.5 0.0 349.2



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

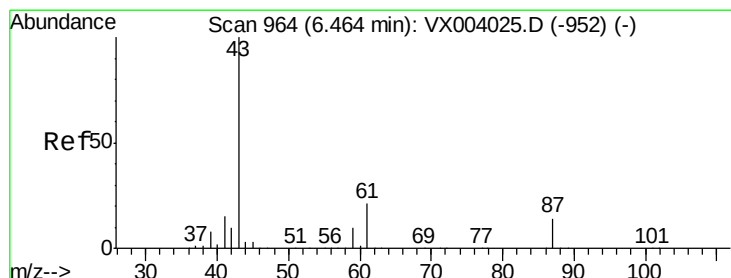
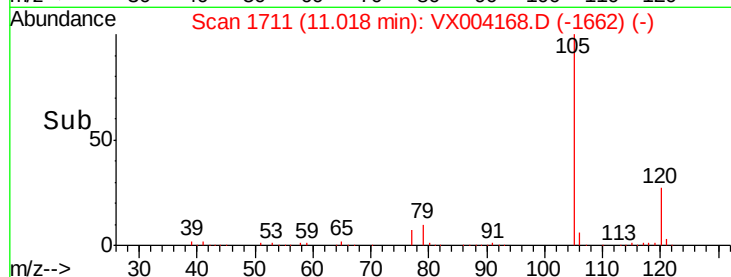
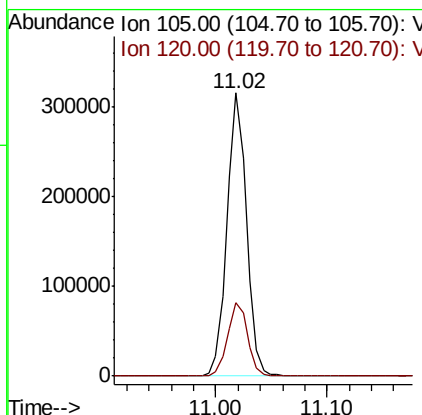
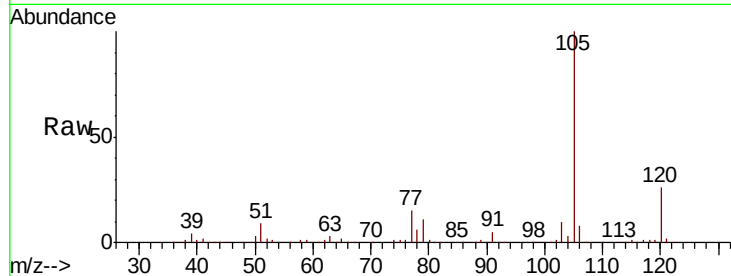




#73
Isopropylbenzene
Concen: 22.91 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

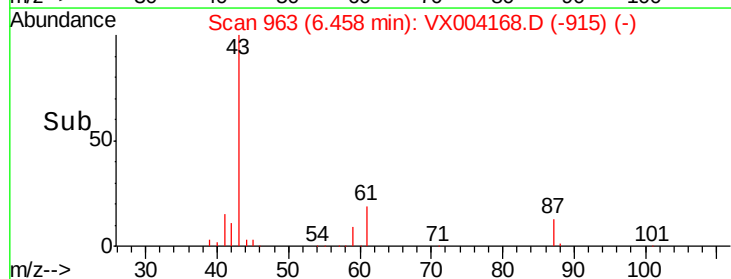
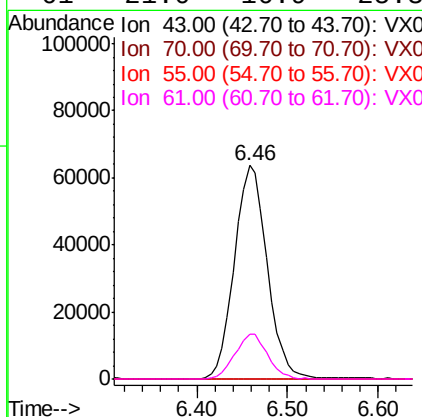
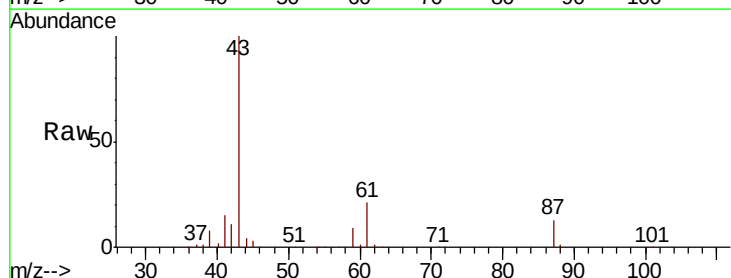
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

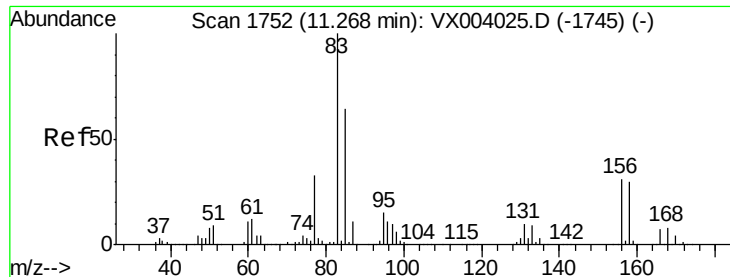
Tot Ion:105 Resp: 381737
Ion Ratio Lower Upper
105 100
120 26.6 12.6 37.8



#74
N-ethyl acetate
Concen: 20.35 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.01 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion: 43 Resp: 159469
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.1 0.1#
61 21.0 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.70 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0821WBS01

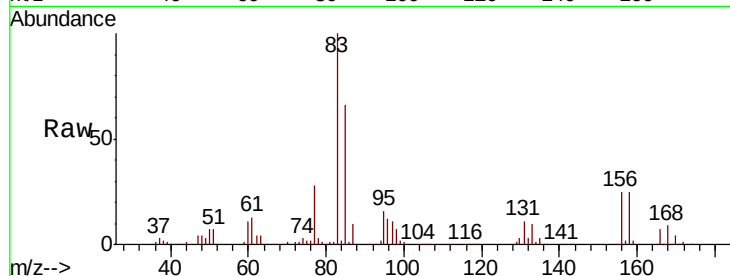
Tot Ion: 83 Resp: 126242

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

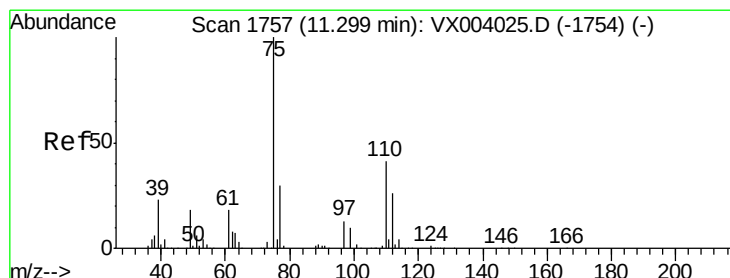
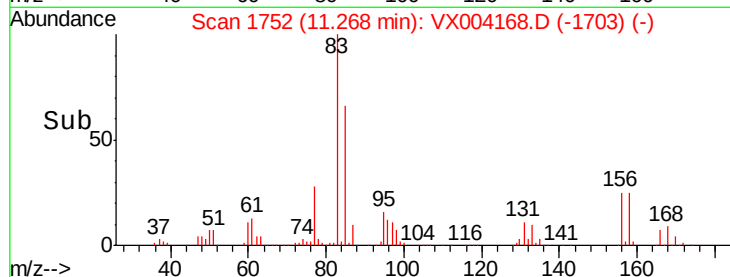
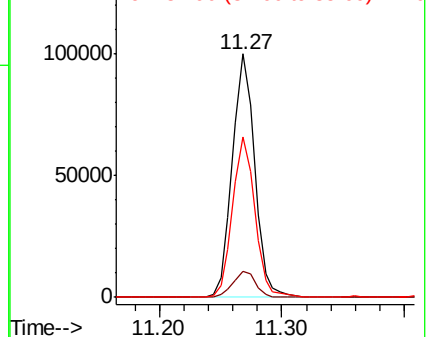
85 65.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 28.61 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004168.D

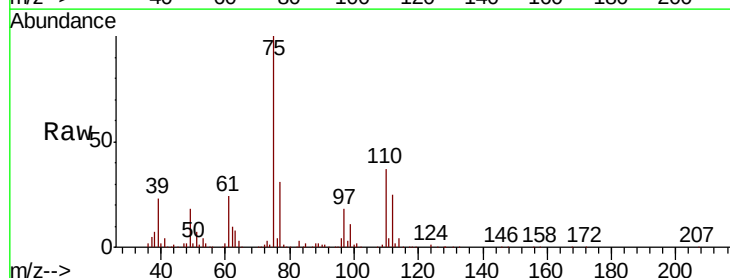
Acq: 21 Aug 2018 11:52

Tgt Ion: 75 Resp: 141242

Ion Ratio Lower Upper

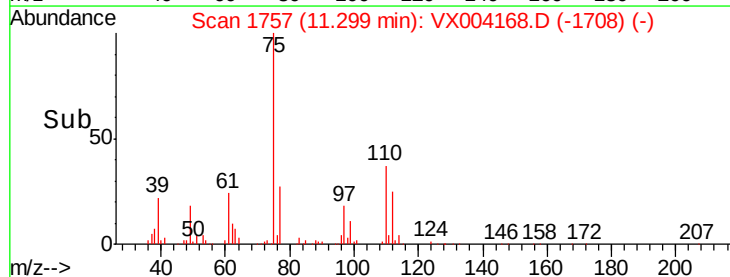
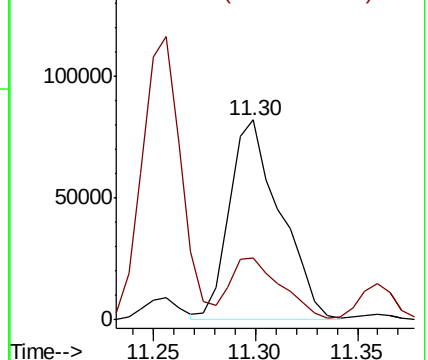
75 100

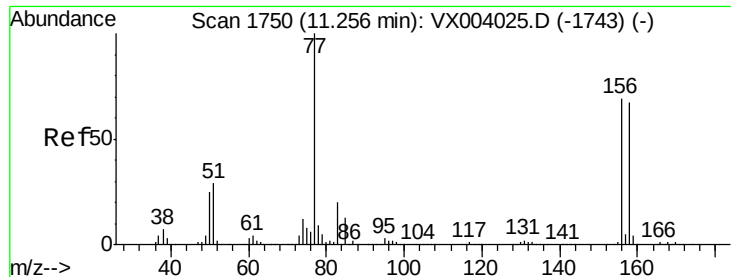
77 31.0 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.70 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

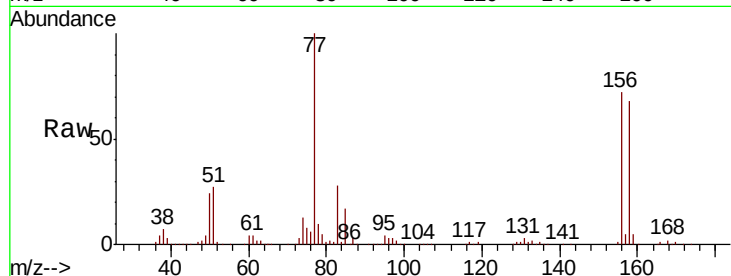
Tot Ion:156 Resp: 104229

Ion Ratio Lower Upper

156 100

77 147.6 74.1 222.2

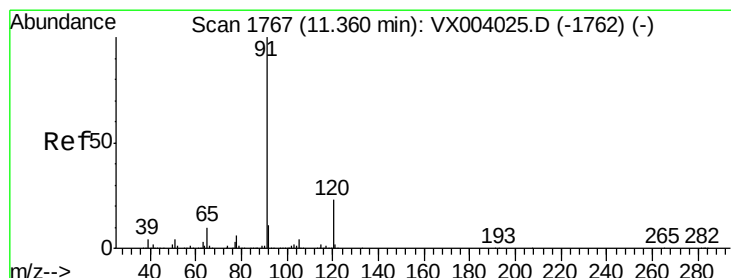
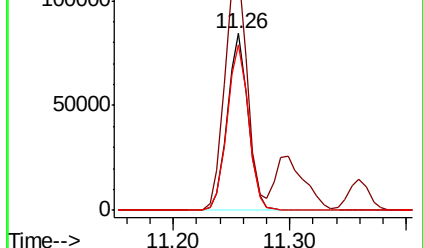
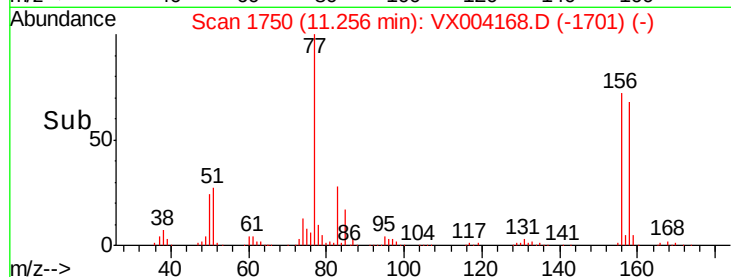
158 96.6 48.6 145.9



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: 23.95 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004168.D

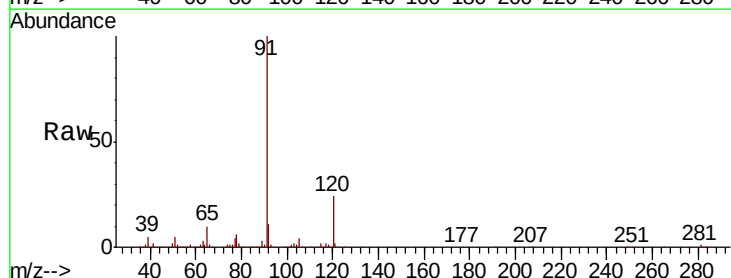
Acq: 21 Aug 2018 11:52

Tgt Ion: 91 Resp: 446460

Ion Ratio Lower Upper

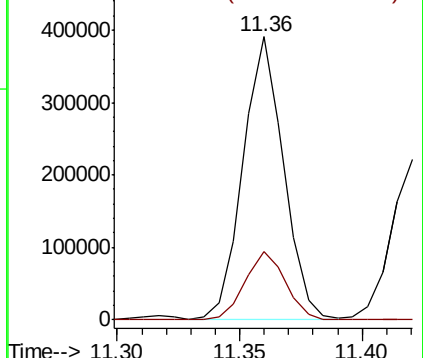
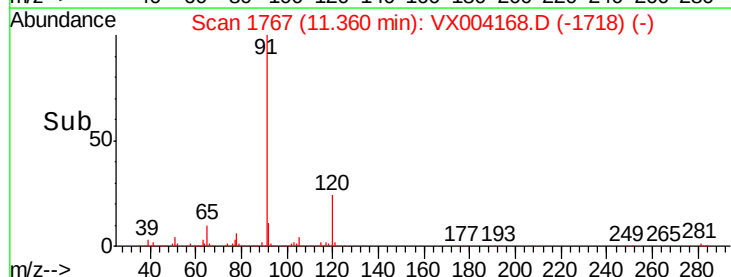
91 100

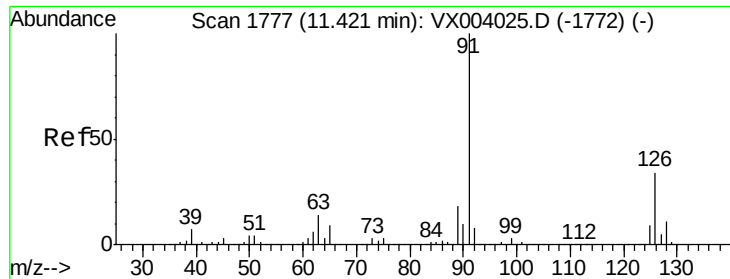
120 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.72 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

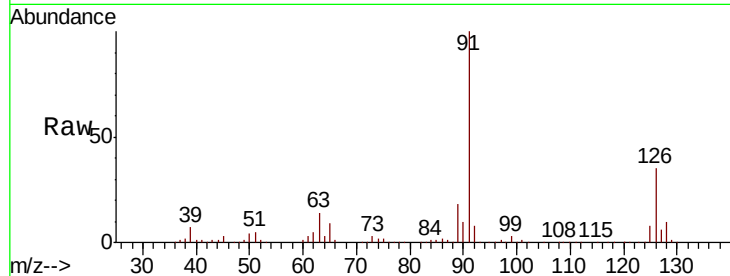
VX0821WBS01

Tot Ion: 91 Resp: 269456

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

400000

300000

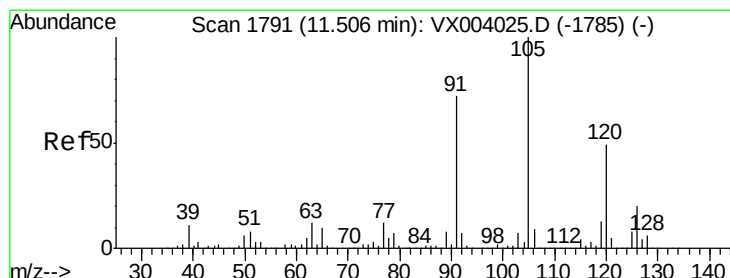
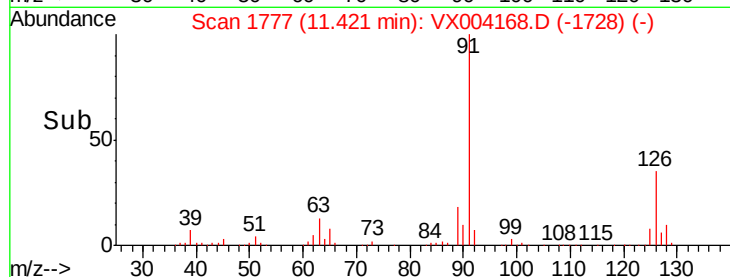
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.59 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004168.D

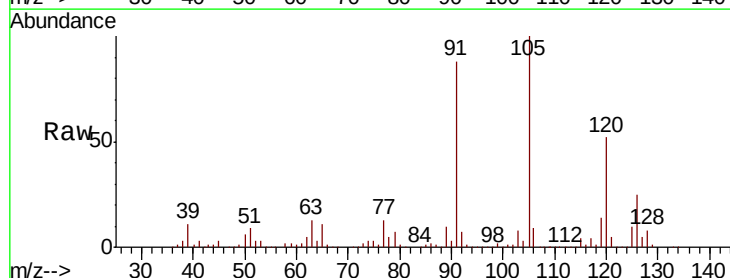
Acq: 21 Aug 2018 11:52

Tgt Ion:105 Resp: 308181

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

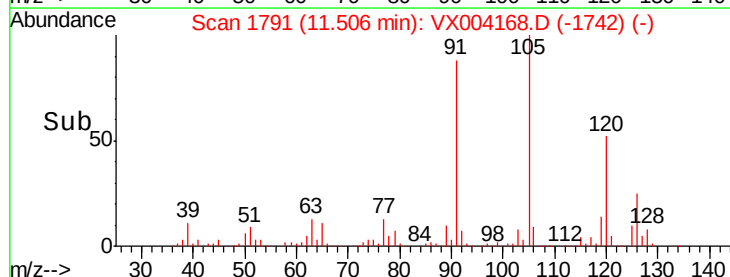
100000

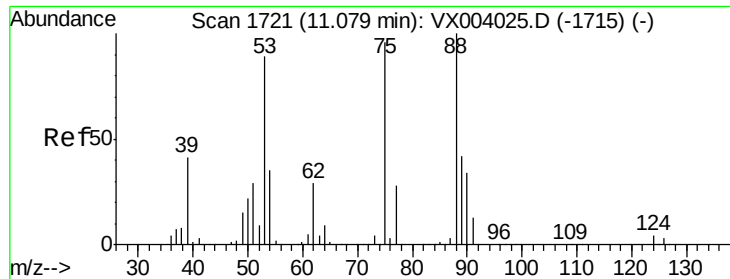
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.63 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0821WBS01

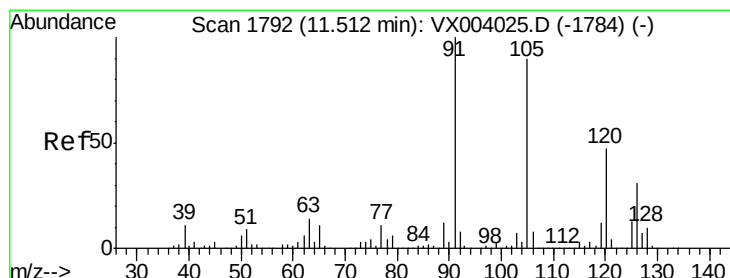
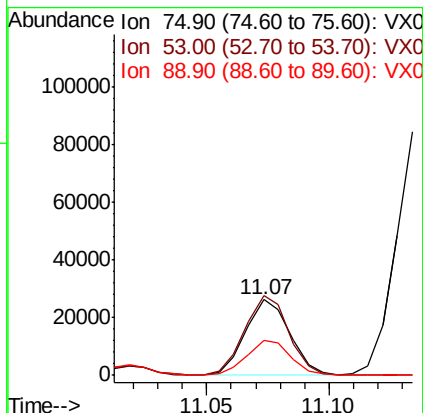
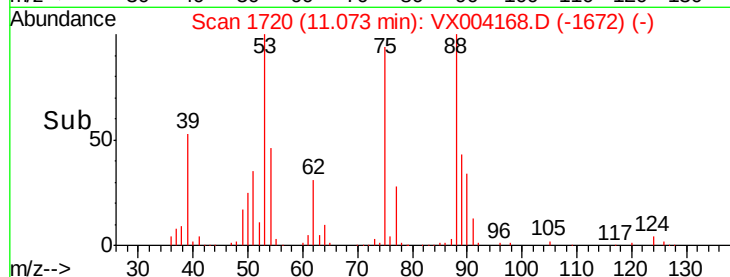
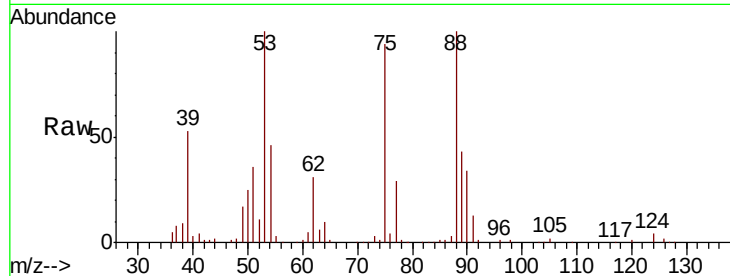
Tot Ion: 75 Resp: 32908

Ion Ratio Lower Upper

75 100

53 104.6 80.3 120.5

89 46.5 37.8 56.8



#82

4-Chlorotoluene

Concen: 23.15 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004168.D

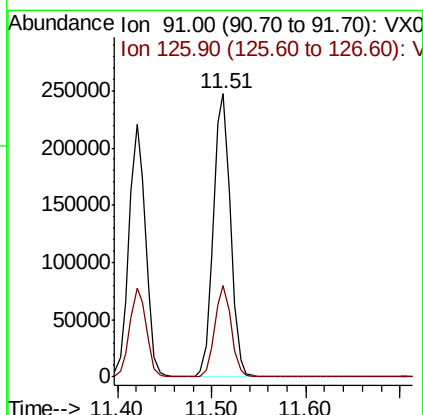
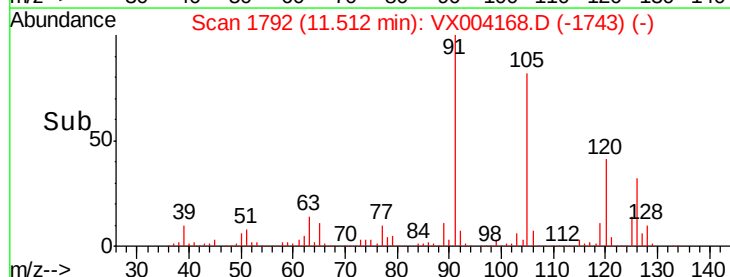
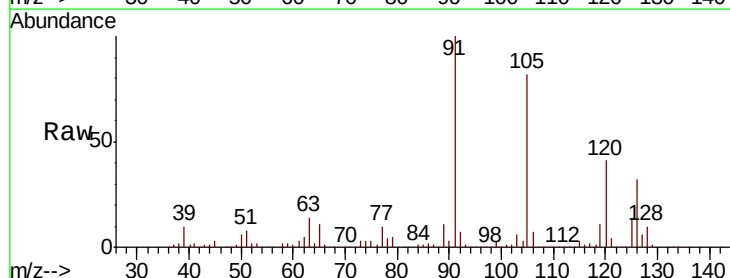
Acq: 21 Aug 2018 11:52

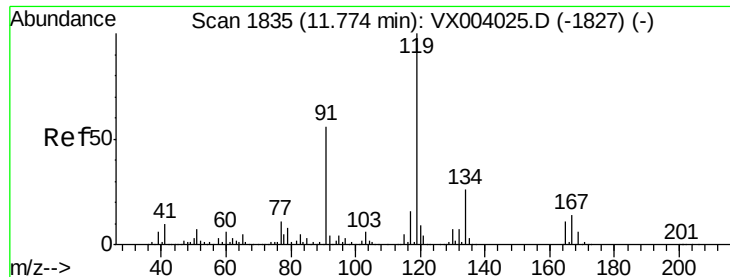
Tgt Ion: 91 Resp: 310930

Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.7

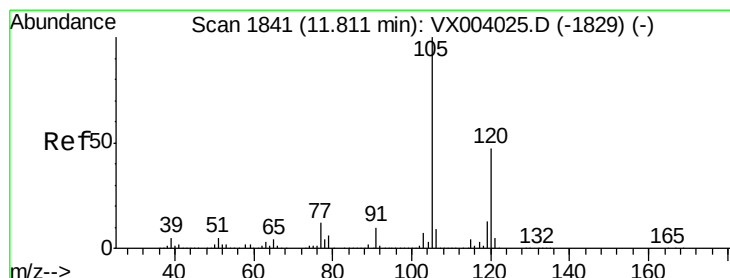
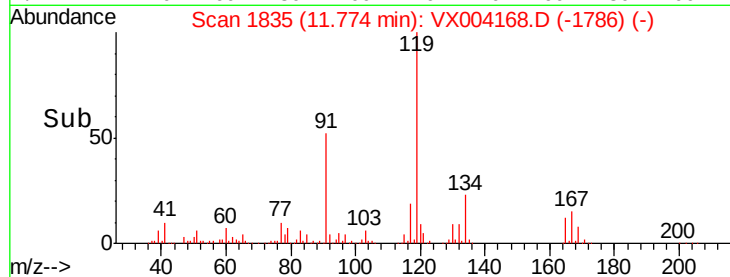
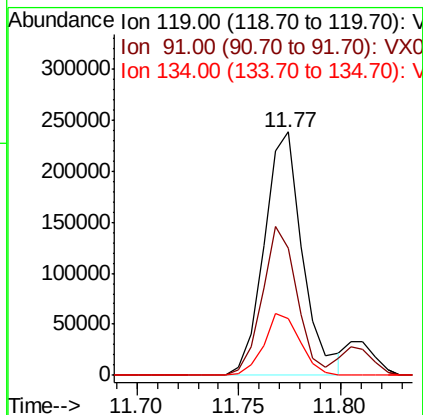
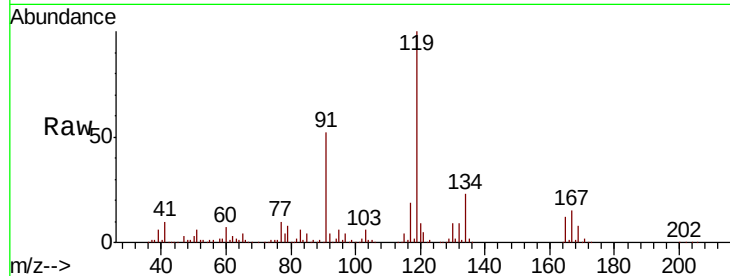




#83
 tert-Butylbenzene
 Concen: 22.73 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

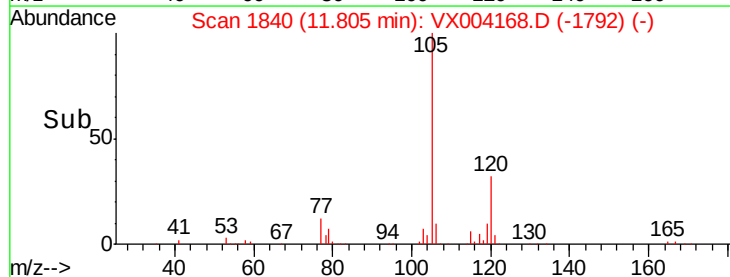
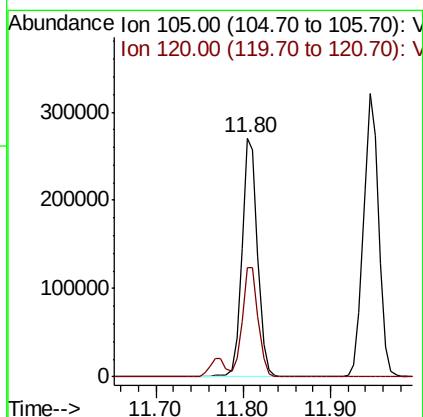
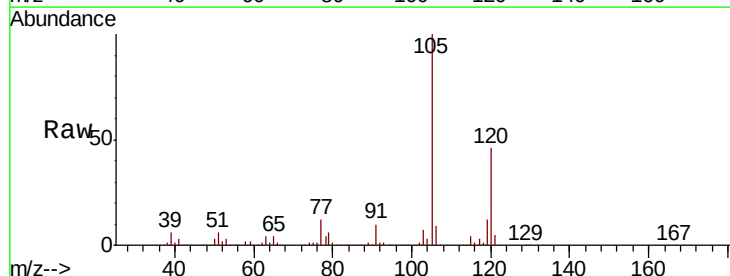
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

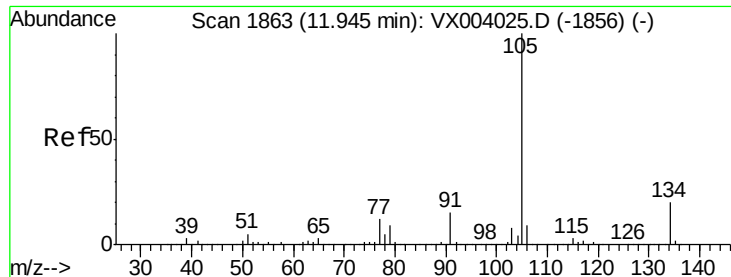
Tot Ion:119 Resp: 312616
 Ion Ratio Lower Upper
 119 100
 91 55.5 26.9 80.7
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.83 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion:105 Resp: 336608
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2

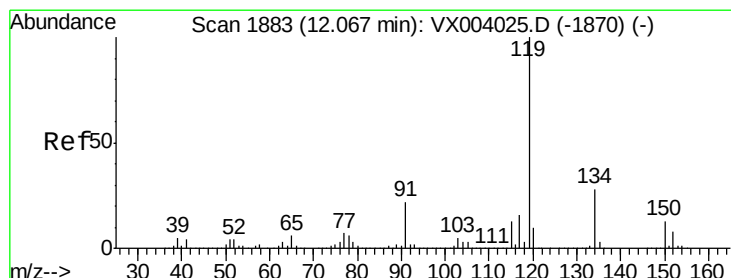
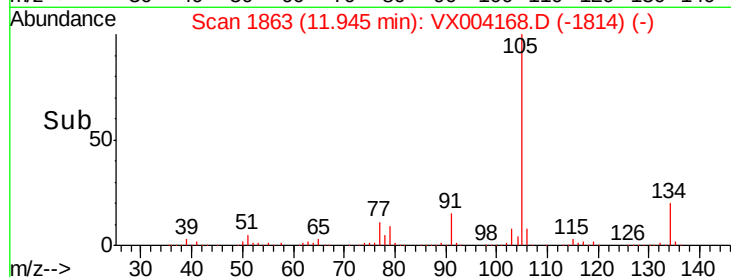
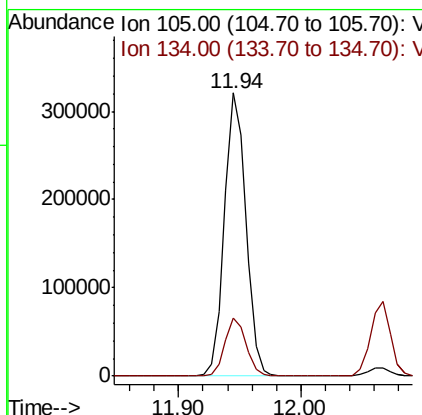
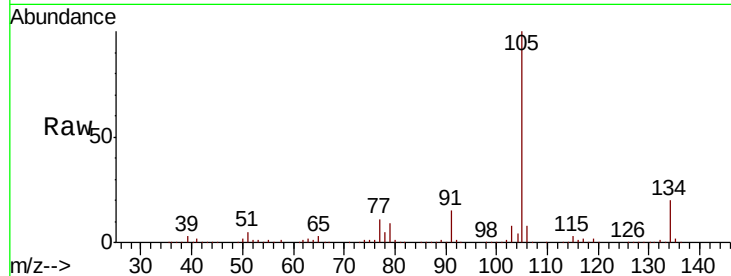




#85
 sec-Butylbenzene
 Concen: 24.14 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

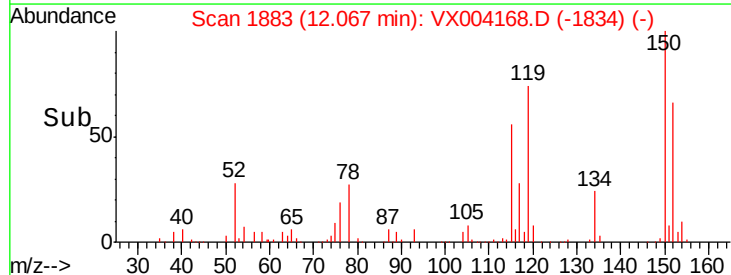
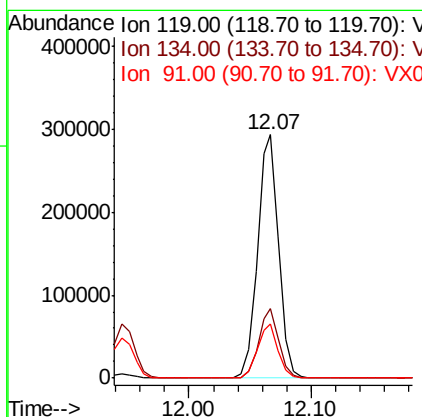
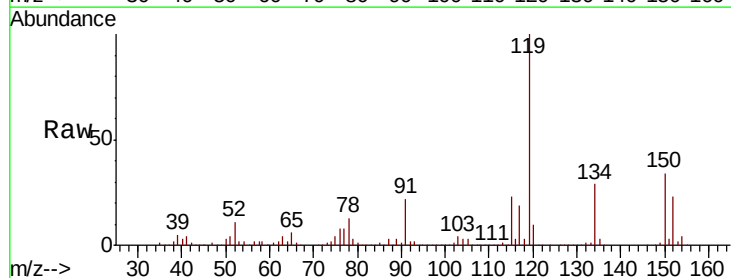
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

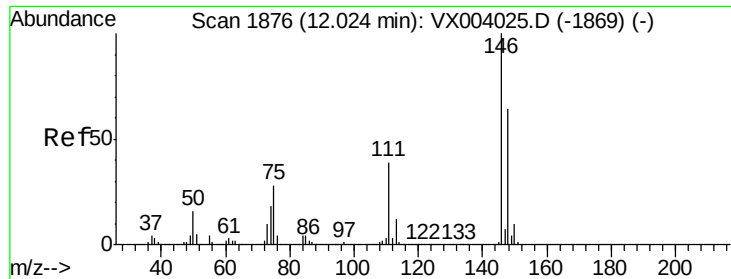
Tot Ion:105 Resp: 388549
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 24.21 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion:119 Resp: 352879
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.3 39.8
 91 21.6 10.9 32.7

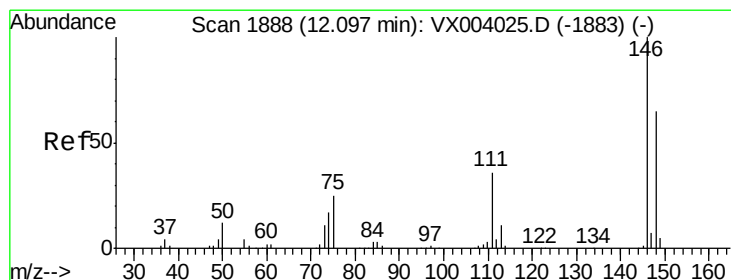
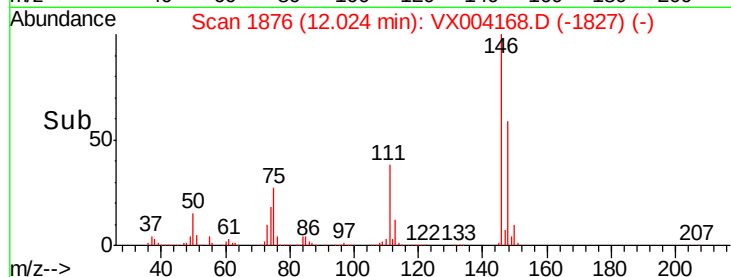
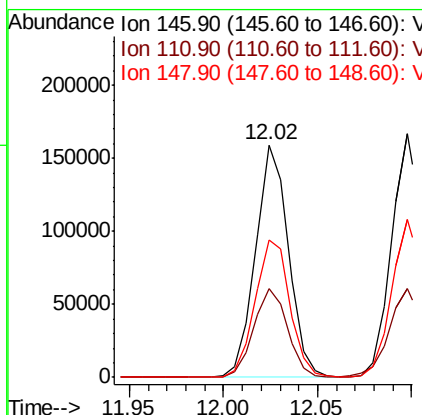
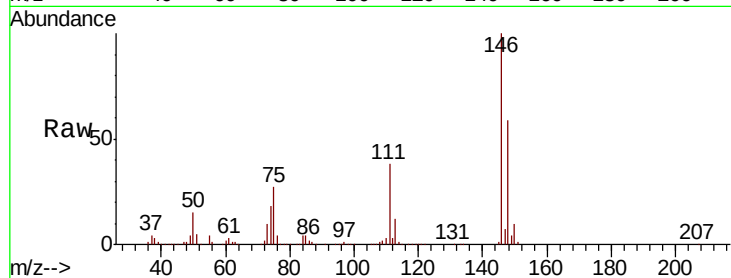




#87
 1,3-Dichlorobenzene
 Concen: 21.99 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

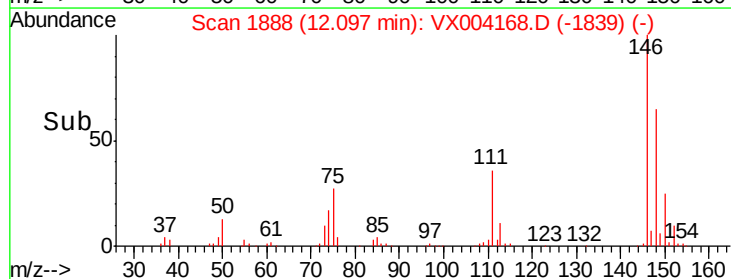
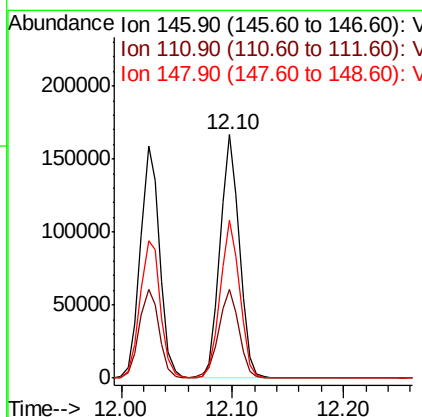
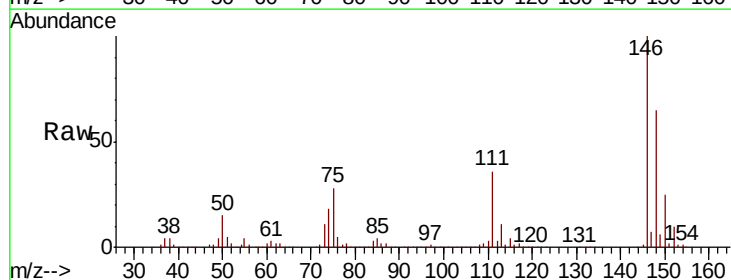
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

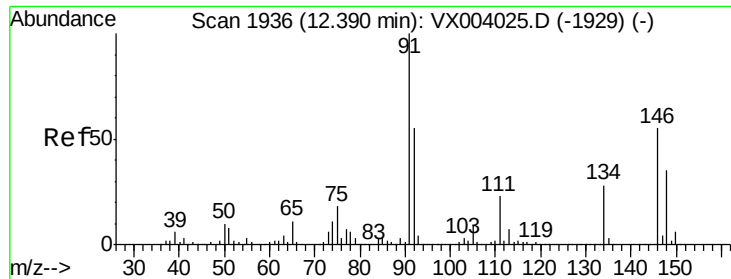
Tot Ion:146 Resp: 192614
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.8 56.4
 148 62.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 22.21 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion:146 Resp: 200257
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.0
 148 65.3 32.3 96.8

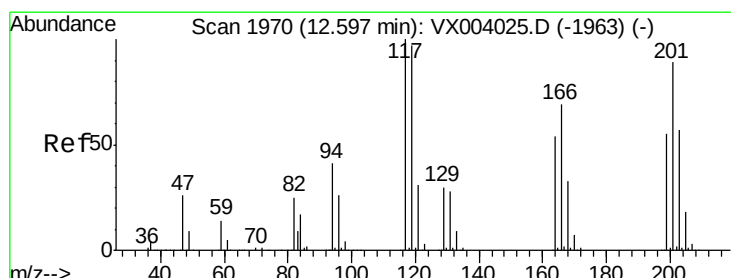
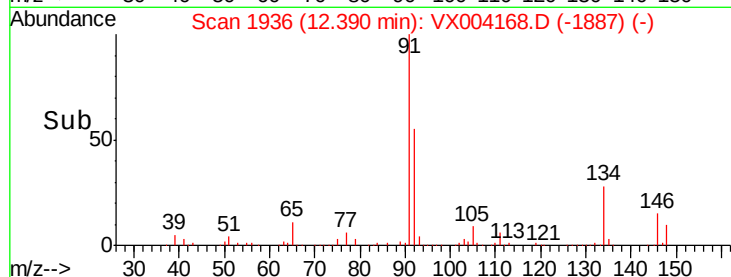
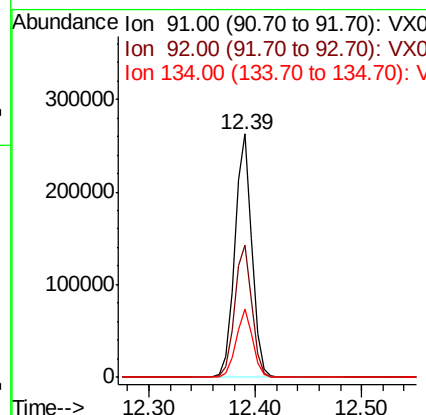
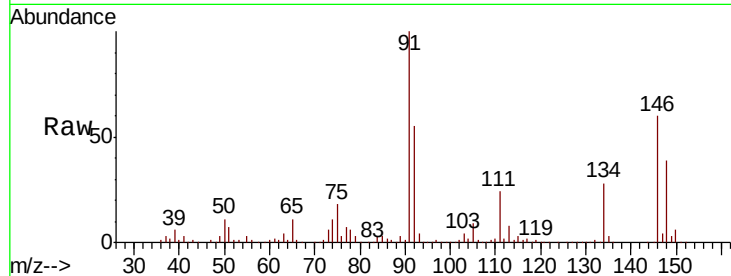




#89
n-Butylbenzene
Concen: 25.61 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

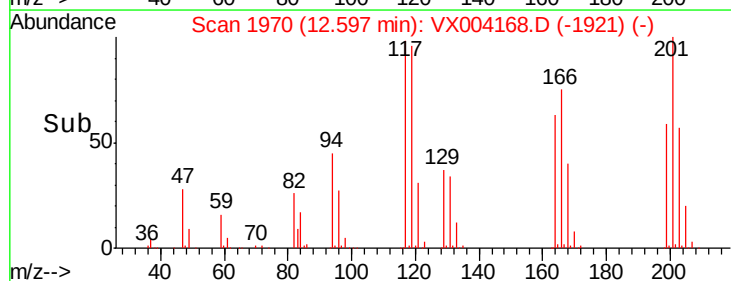
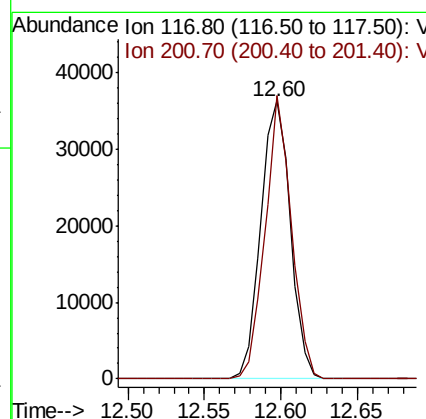
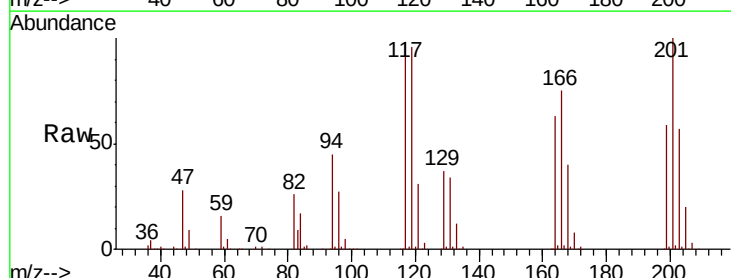
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

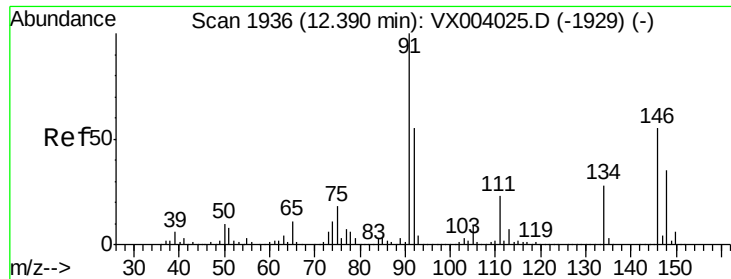
Tot Ion: 91 Resp: 294132
Ion Ratio Lower Upper
91 100
92 54.9 27.1 81.3
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 22.49 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion: 117 Resp: 49038
Ion Ratio Lower Upper
117 100
201 91.1 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 24.79 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBS01

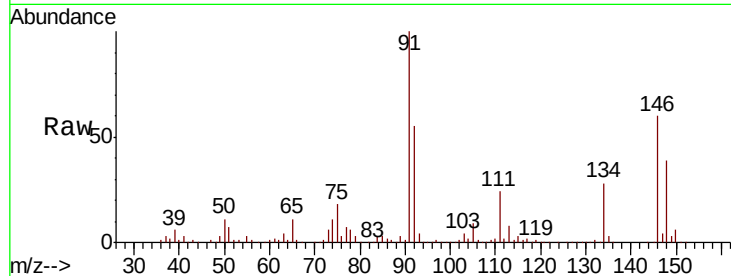
Tot Ion:146 Resp: 195825

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.0

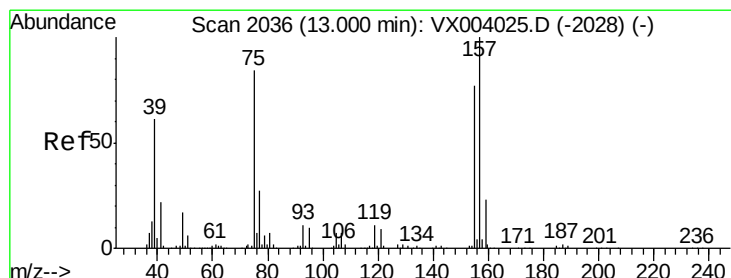
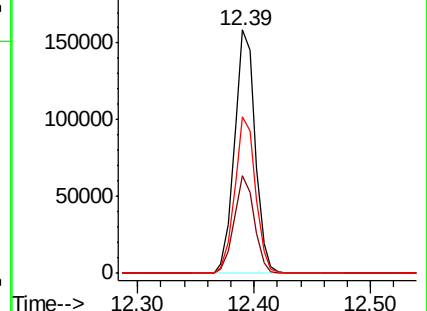
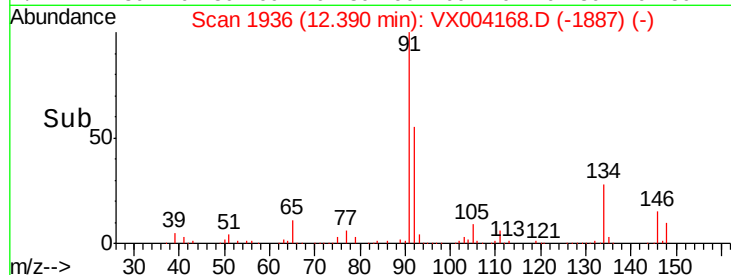
148 64.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.17 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004168.D

Acq: 21 Aug 2018 11:52

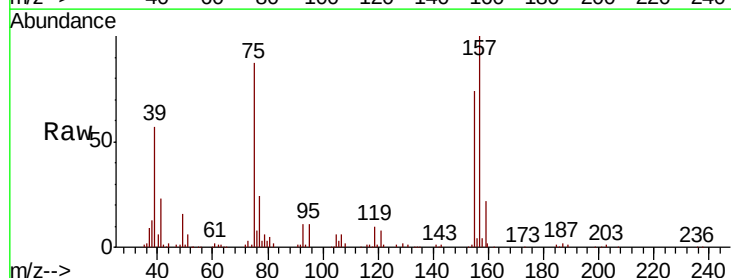
Tgt Ion: 75 Resp: 22674

Ion Ratio Lower Upper

75 100

155 95.4 48.7 146.1

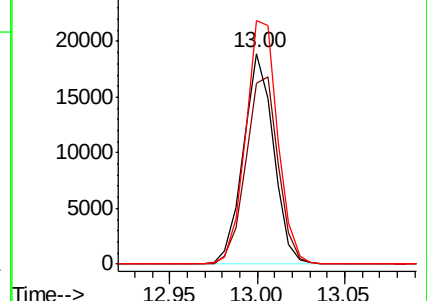
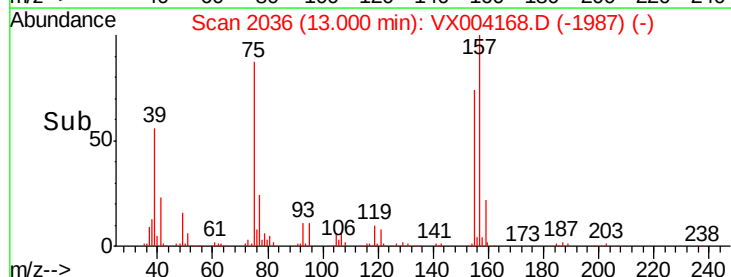
157 122.4 62.6 187.8

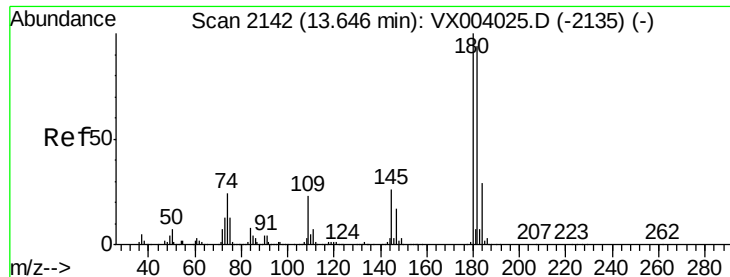


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

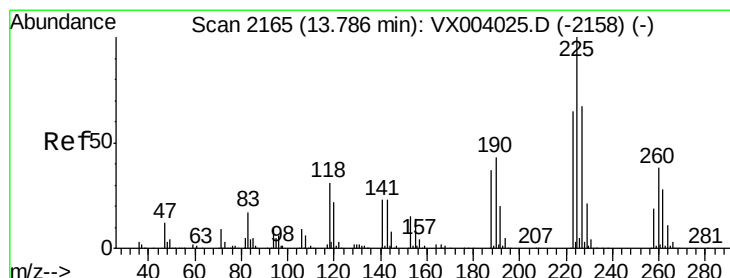
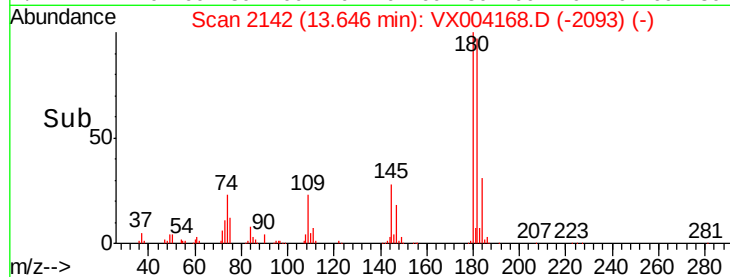
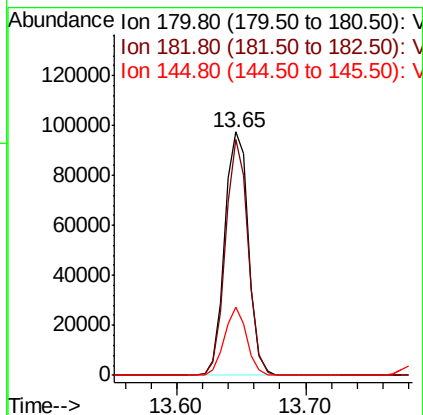
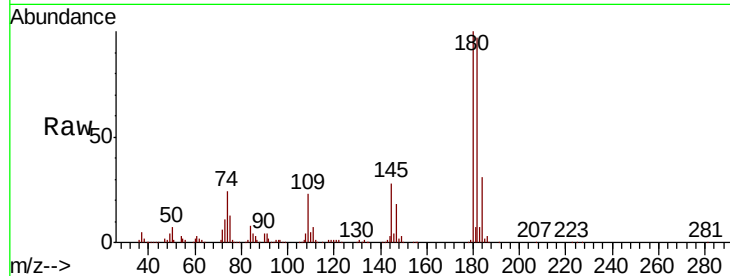




#93
 1,2,4-Trichlorobenzene
 Concen: 23.39 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

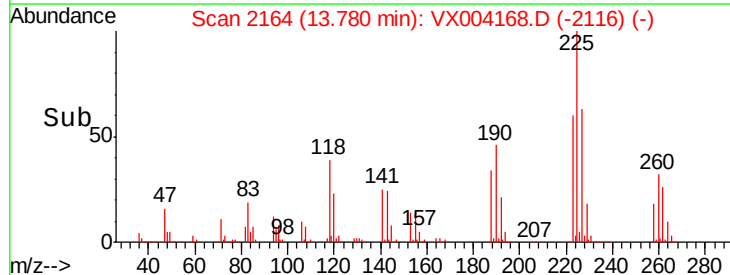
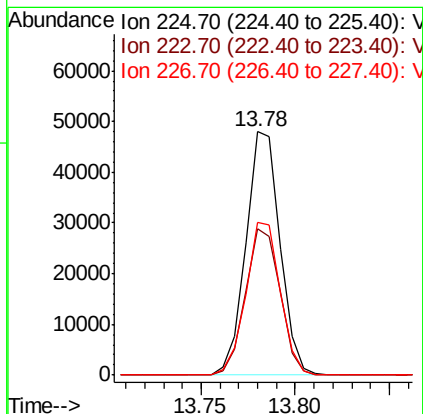
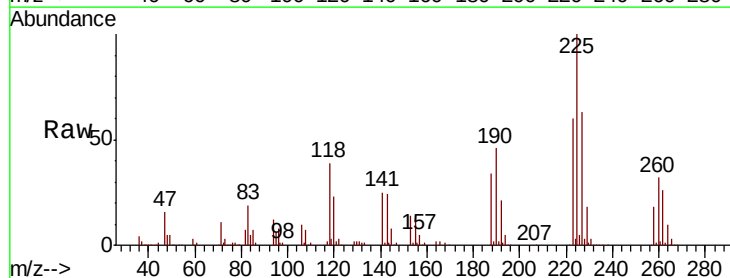
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

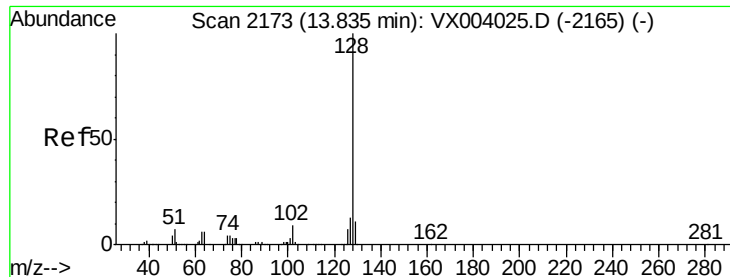
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.7	143.1
145	26.6	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 22.22 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004168.D
 Acq: 21 Aug 2018 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.0
227	63.5	32.1	96.5

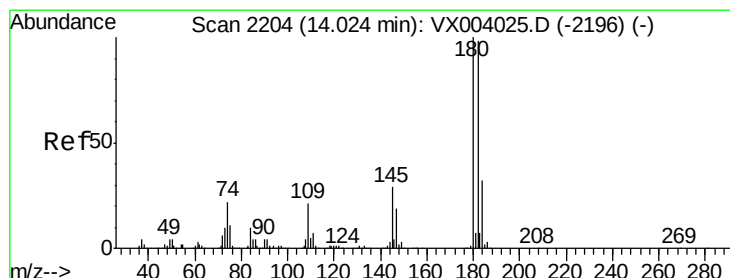
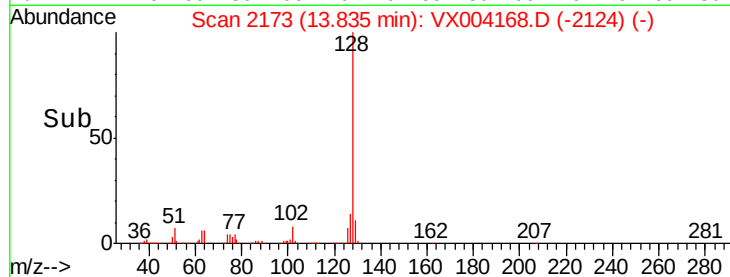
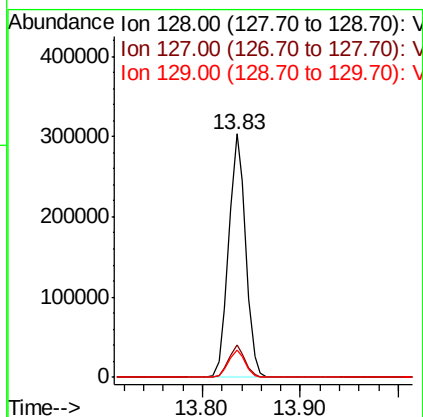
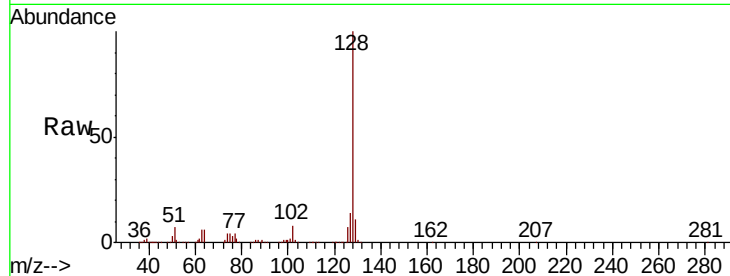




#95
Naphthalene
Concen: 21.92 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS01

Tot Ion:128 Resp: 365969
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.21 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004168.D
Acq: 21 Aug 2018 11:52

Tgt Ion:180 Resp: 130778
Ion Ratio Lower Upper
180 100
182 99.8 48.1 144.4
145 30.4 14.9 44.7

