

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004624.D
 Acq On : 17 Sep 2018 17:45
 Operator : JC/MD
 Sample : VX0917WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:54:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	92218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	106783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	92958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	48851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	49641	41.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.50%	
35) Dibromofluoromethane	5.50	113	45373	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
50) Toluene-d8	8.71	98	161741	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	48760	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	20546	23.77	ug/l	89
3) Chloromethane	1.32	50	23377	19.65	ug/l	92
4) Vinyl Chloride	1.40	62	25118	20.58	ug/l	97
5) Bromomethane	1.64	94	11557	21.95	ug/l	94
6) Chloroethane	1.72	64	15130	19.17	ug/l	95
7) Trichlorofluoromethane	1.93	101	35037	21.65	ug/l	98
8) Diethyl Ether	2.18	74	12027	16.58	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	23751	23.13	ug/l	96
10) Methyl Iodide	2.51	142	13286	14.16	ug/l	98
11) Tert butyl alcohol	3.07	59	55047	194.01	ug/l	100
12) 1,1-Dichloroethene	2.37	96	20364	21.13	ug/l	97
13) Acrolein	2.29	56	13160	117.50	ug/l	97
14) Allyl chloride	2.73	41	42124	21.26	ug/l	87
15) Acrylonitrile	3.15	53	100199	146.65	ug/l	95
16) Acetone	2.45	43	97772	168.47	ug/l	96
17) Carbon Disulfide	2.57	76	55436	19.90	ug/l	99
18) Methyl Acetate	2.78	43	50105	30.77	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	57322	16.95	ug/l	98
20) Methylene Chloride	2.85	84	19463	16.35	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	19408	18.23	ug/l	97
22) Diisopropyl ether	3.87	45	61240	17.16	ug/l	97
23) Vinyl Acetate	3.82	43	251125	86.98	ug/l	98
24) 1,1-Dichloroethane	3.69	63	38887	19.30	ug/l	99
25) 2-Butanone	4.71	43	139576	151.11	ug/l	91
26) 2,2-Dichloropropane	4.58	77	29243	21.14	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	20182	16.98	ug/l	93
28) Bromochloromethane	5.02	49	14862	16.13	ug/l	94
29) Tetrahydrofuran	5.16	42	86042	154.47	ug/l	97
30) Chloroform	5.21	83	34264	17.42	ug/l	99
31) Cyclohexane	5.57	56	37763	21.96	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	31412	19.83	ug/l	97
36) 1,1-Dichloropropene	5.81	75	28550	22.02	ug/l	97
37) Ethyl Acetate	4.85	43	40406	27.40	ug/l	100
38) Carbon Tetrachloride	5.78	117	28275	22.33	ug/l	95

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:54:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34507	25.51	ug/l	96
40) Benzene	6.14	78	81336	21.15	ug/l	96
41) Methacrylonitrile	5.06	41	19655	24.19	ug/l	97
42) 1,2-Dichloroethane	6.20	62	23116	18.12	ug/l	98
43) Isopropyl Acetate	6.46	43	41477	21.18	ug/l	99
44) Trichloroethene	7.21	130	21560	21.57	ug/l	96
45) 1,2-Dichloropropane	7.52	63	18171	19.63	ug/l	97
46) Dibromomethane	7.66	93	10413	17.81	ug/l	95
47) Bromodichloromethane	7.90	83	20416	18.46	ug/l	99
48) Methyl methacrylate	7.78	41	20748	21.41	ug/l	96
49) 1,4-Dioxane	7.76	88	21604	941.81	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	169569	122.70	ug/l	97
52) Toluene	8.79	92	44398	19.59	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	19735	15.28	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	23593	17.92	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	16818	17.24	ug/l	96
56) Ethyl methacrylate	9.18	69	22625	16.39	ug/l	98
57) 1,3-Dichloropropane	9.37	76	27826	17.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	60177	90.34	ug/l	97
59) 2-Hexanone	9.49	43	144470	136.29	ug/l	97
60) Dibromochloromethane	9.59	129	15725	17.12	ug/l	99
61) 1,2-Dibromoethane	9.67	107	17144	18.39	ug/l	99
64) Tetrachloroethene	9.34	164	24140	20.80	ug/l	98
65) Chlorobenzene	10.14	112	46047	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	15945	20.02	ug/l	98
67) Ethyl Benzene	10.25	91	77831	20.73	ug/l	97
68) m/p-Xylenes	10.36	106	59843	41.38	ug/l	96
69) o-Xylene	10.70	106	28616	20.58	ug/l	98
70) Styrene	10.71	104	42707	18.54	ug/l	97
71) Bromoform	10.86	173	12428	19.01	ug/l #	97
73) Isopropylbenzene	11.02	105	84120	26.15	ug/l	99
74) N-amyl acetate	10.90	43	28390	20.96	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	26497	25.53	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	33115	33.69	ug/l	87
77) Bromobenzene	11.26	156	19386	21.80	ug/l	97
78) n-propylbenzene	11.36	91	94197	25.46	ug/l	100
79) 2-Chlorotoluene	11.42	91	53488	23.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	66423	24.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	7590	24.62	ug/l	95
82) 4-Chlorotoluene	11.51	91	57256	21.87	ug/l	99
83) tert-Butylbenzene	11.77	119	68688	26.68	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	64651	23.41	ug/l	99
85) sec-Butylbenzene	11.94	105	91794	27.98	ug/l	99
86) p-Isopropyltoluene	12.07	119	75222	25.96	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	34955	21.07	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	33729	19.67	ug/l	98
89) n-Butylbenzene	12.39	91	62908	23.82	ug/l	97
90) Hexachloroethane	12.60	117	11677	25.17	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	36387	21.67	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7529	33.98	ug/l	99

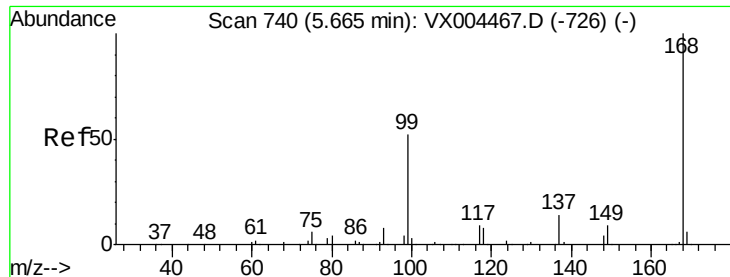
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19938	16.77	ug/l	98
94) Hexachlorobutadiene	13.79	225	19022	30.63	ug/l	99
95) Naphthalene	13.83	128	72120	21.62	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	22167	18.15	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

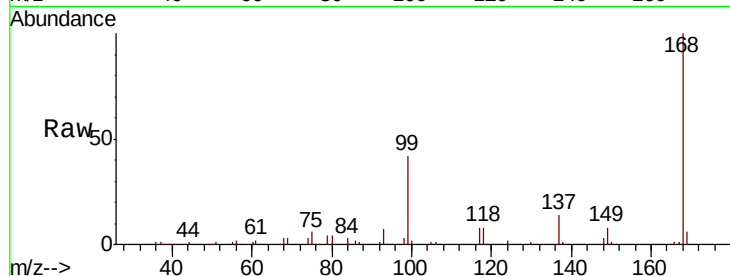
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 92218

Ion Ratio Lower Upper

168 100

99 42.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

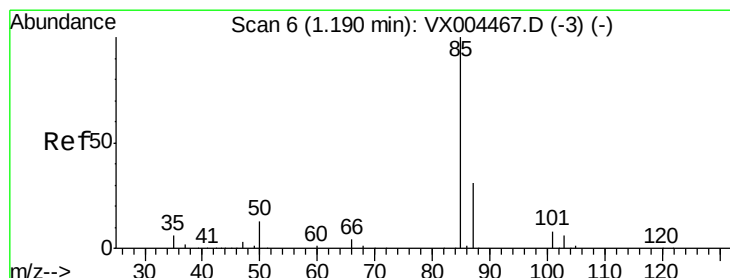
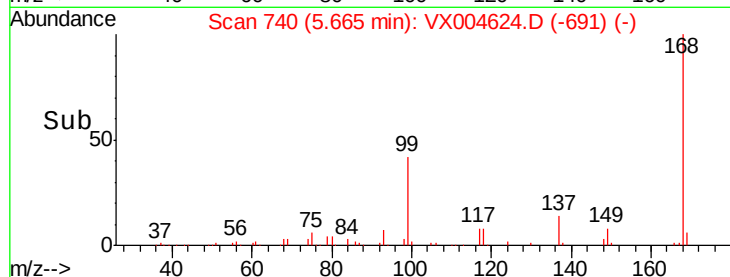
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 23.77 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004624.D

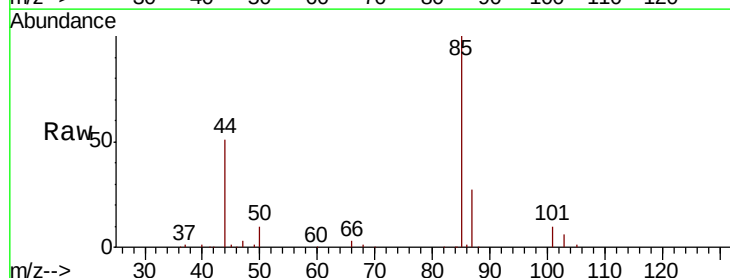
Acq: 17 Sep 2018 17:45

Tgt Ion: 85 Resp: 20546

Ion Ratio Lower Upper

85 100

87 27.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

25000

20000

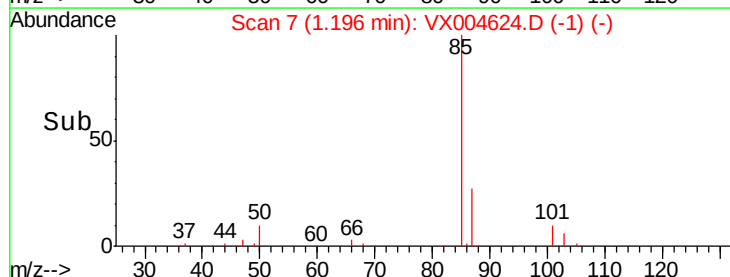
15000

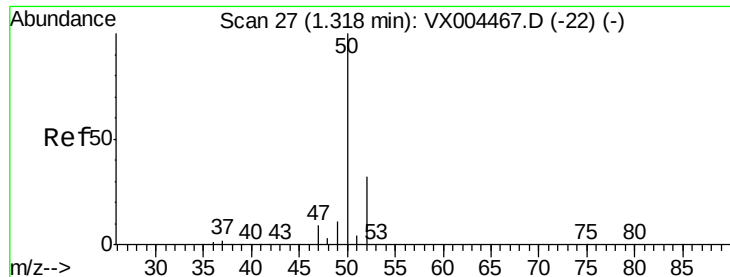
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.65 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

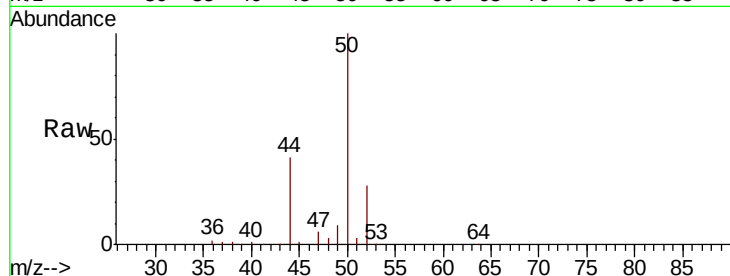
ClientSampled :

Tot Ion: 50 Resp: 23377

Ion Ratio Lower Upper

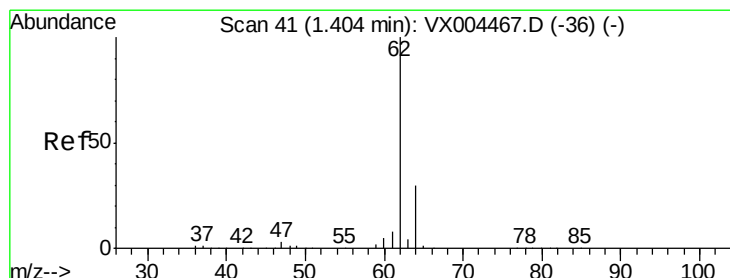
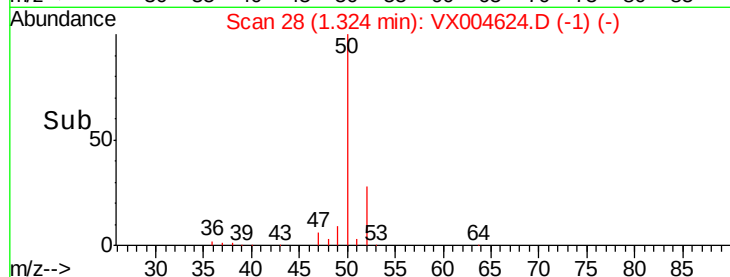
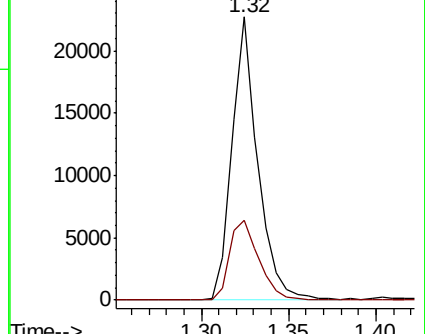
50 100

52 28.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.58 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004624.D

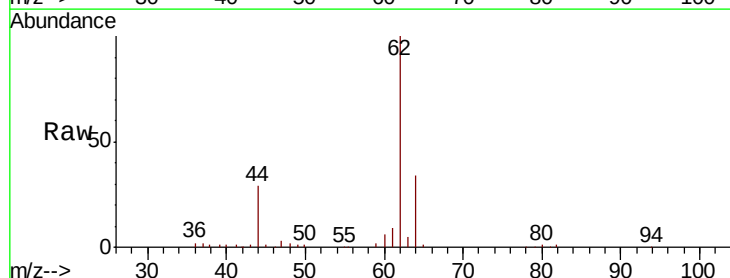
Acq: 17 Sep 2018 17:45

Tgt Ion: 62 Resp: 25118

Ion Ratio Lower Upper

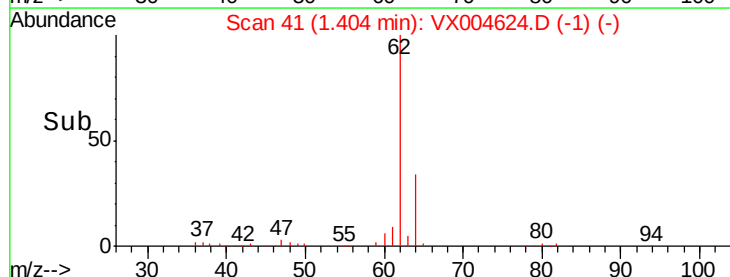
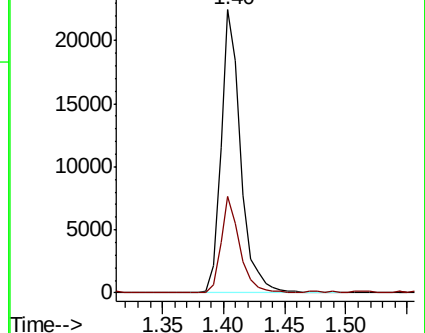
62 100

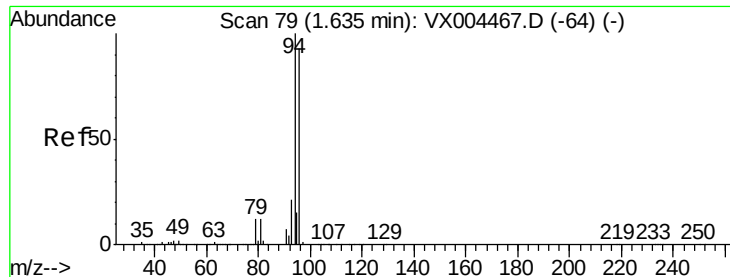
64 34.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.95 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

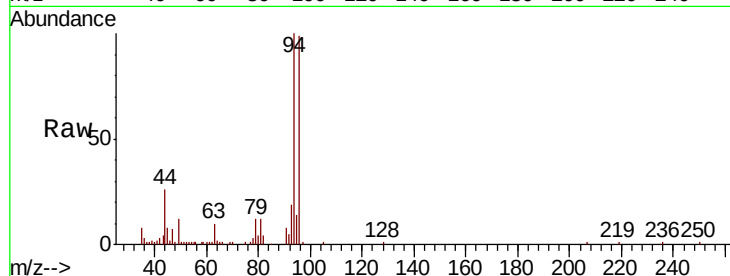
ClientSampled :

Tot Ion: 94 Resp: 11557

Ion Ratio Lower Upper

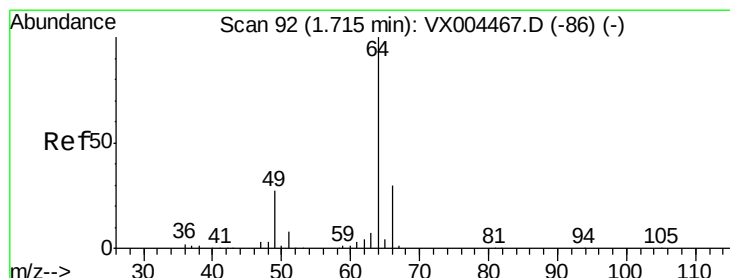
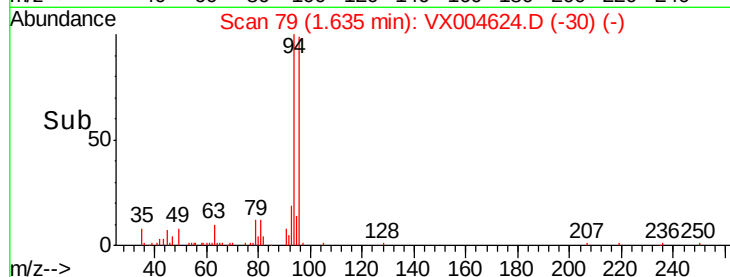
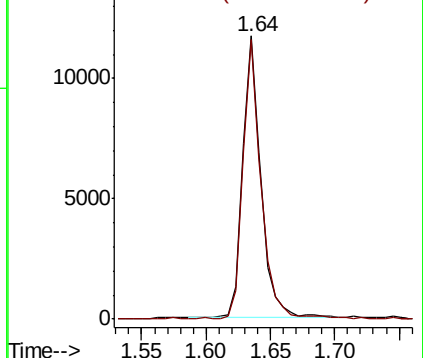
94 100

96 99.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.17 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004624.D

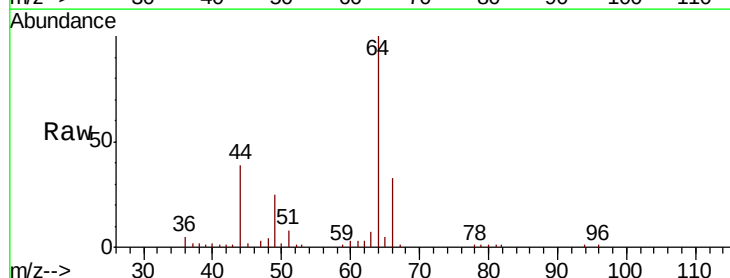
Acq: 17 Sep 2018 17:45

Tgt Ion: 64 Resp: 15130

Ion Ratio Lower Upper

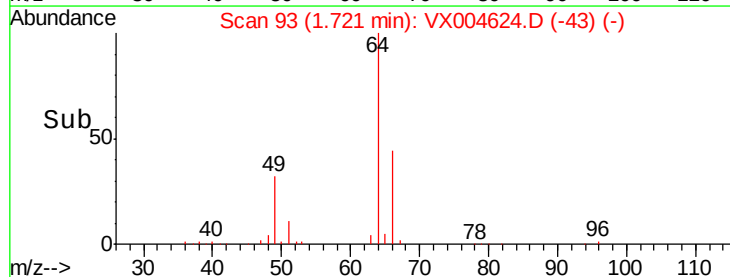
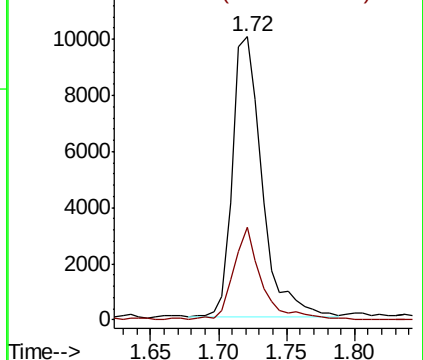
64 100

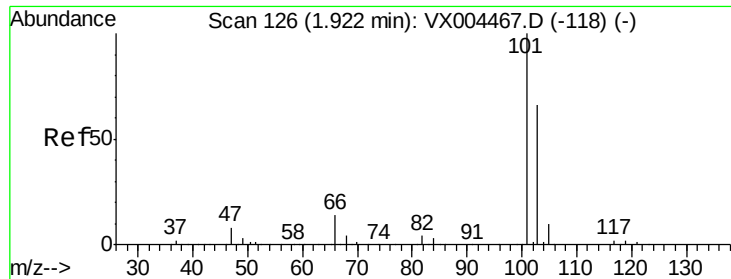
66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



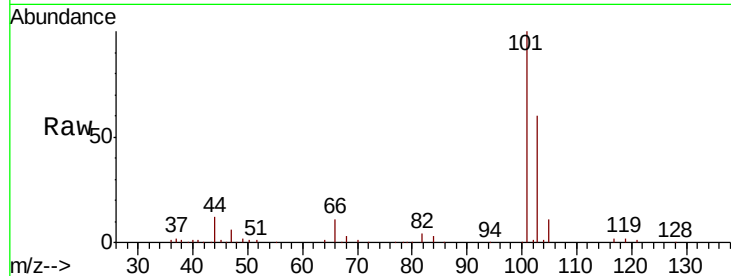


#7

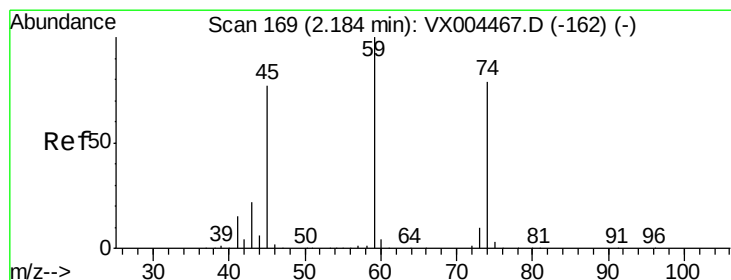
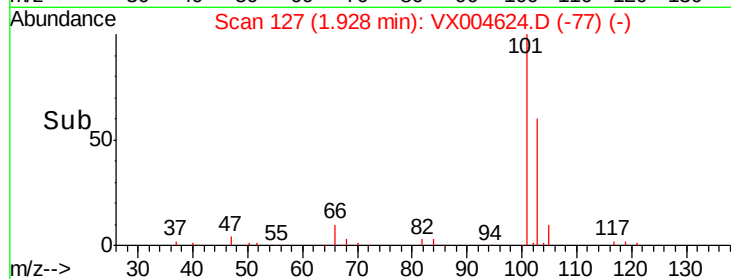
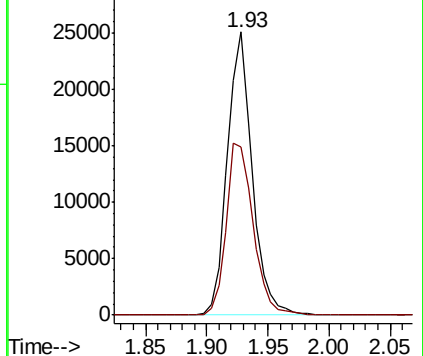
Trichlorofluoromethane
 Concen: 21.65 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:101 Resp: 35037
 Ion Ratio Lower Upper
 101 100
 103 59.6 48.9 73.3



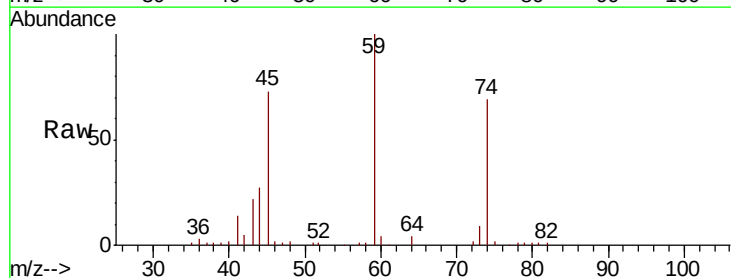
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



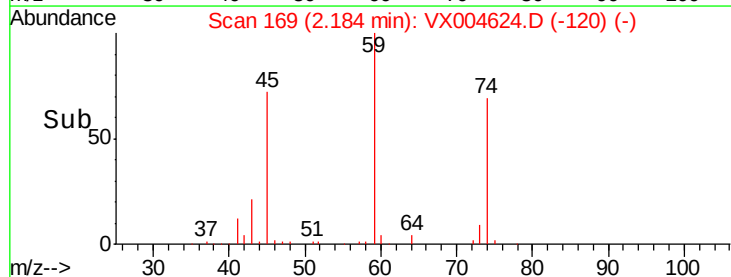
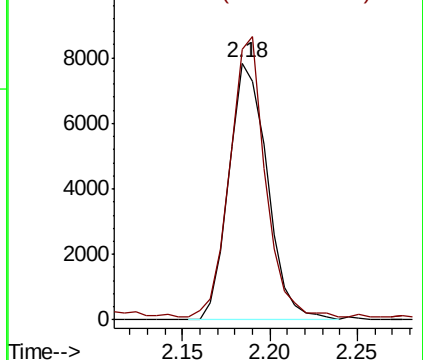
#8

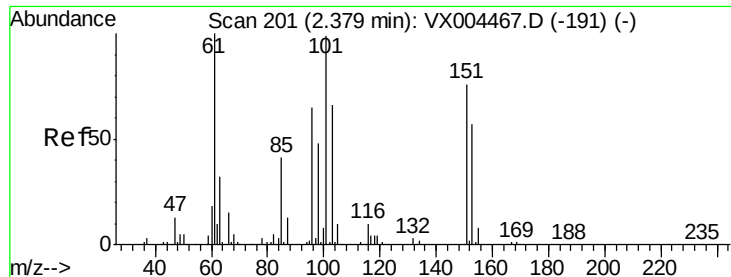
Diethyl Ether
 Concen: 16.58 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 74 Resp: 12027
 Ion Ratio Lower Upper
 74 100
 45 100.2 48.3 144.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.13 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

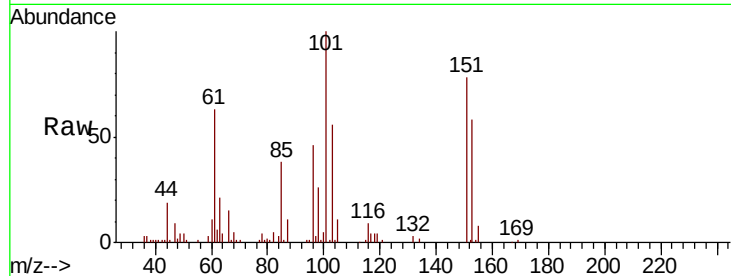
Tot Ion:101 Resp: 23751

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.4

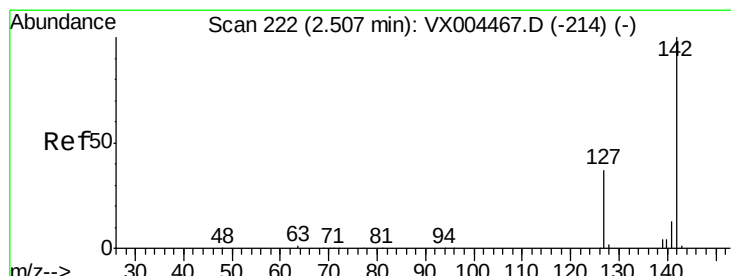
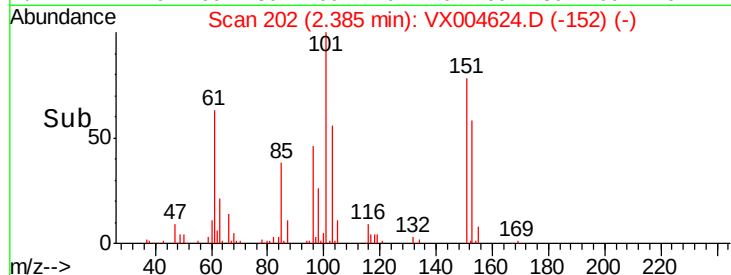
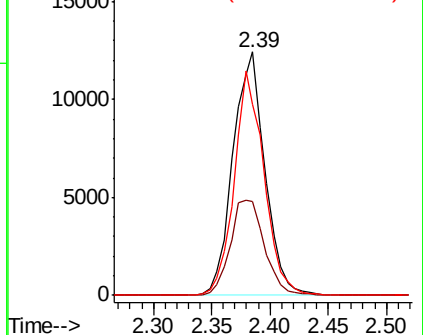
151 86.0 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.16 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

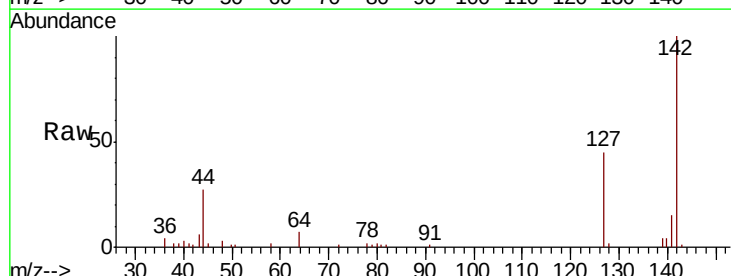
Tgt Ion:142 Resp: 13286

Ion Ratio Lower Upper

142 100

127 43.0 33.8 50.6

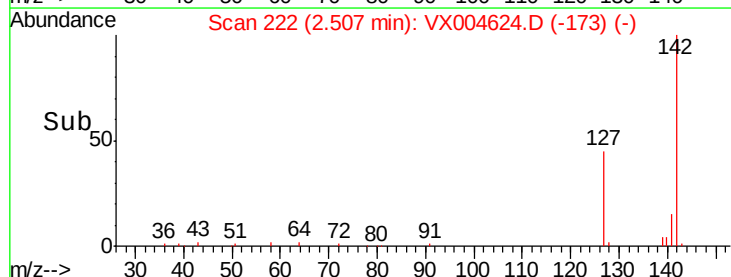
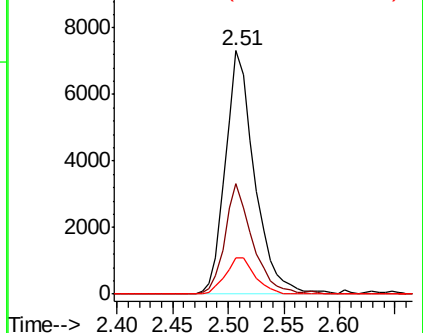
141 15.2 11.4 17.0

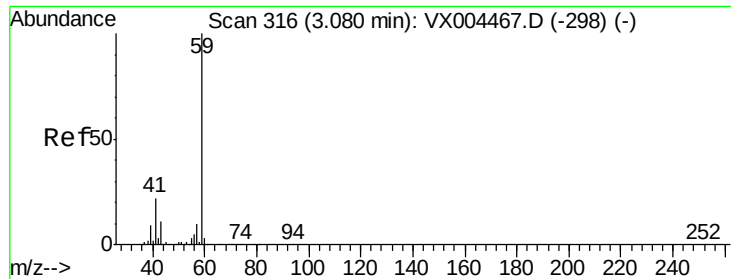


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



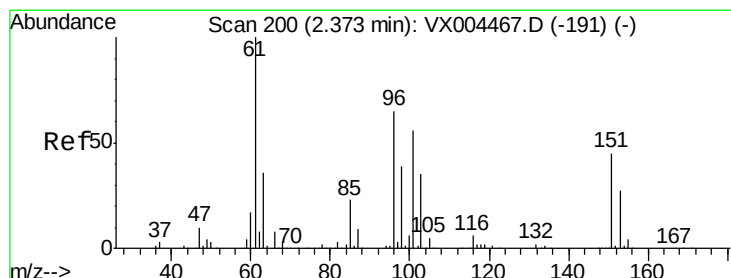
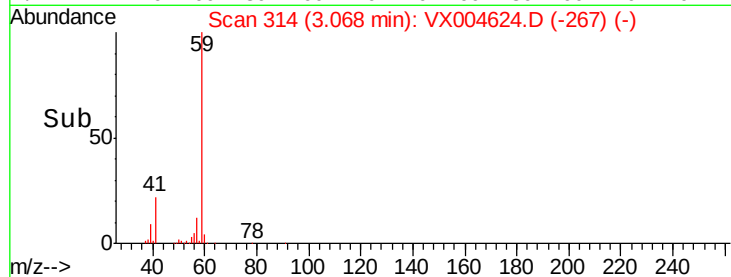
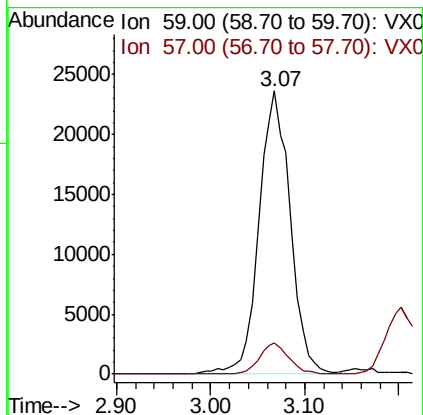
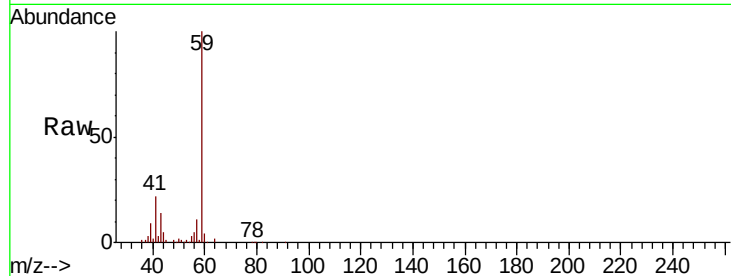


#11

Tert butyl alcohol
 Concen: 194.01 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampled :

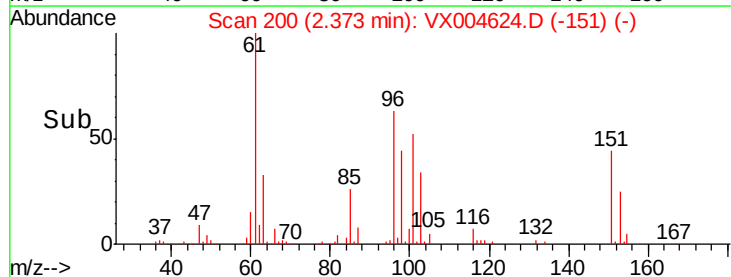
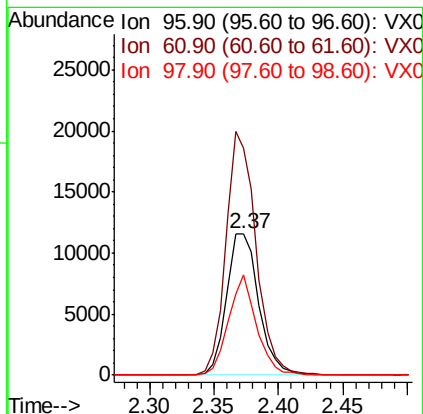
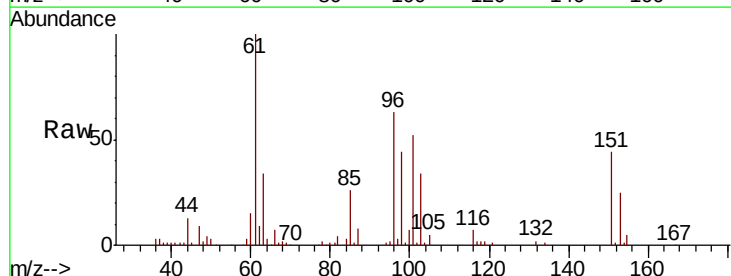
Tot Ion: 59 Resp: 55047
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

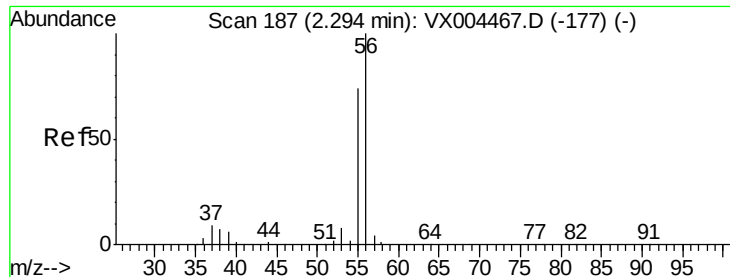


#12

1,1-Dichloroethene
 Concen: 21.13 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 96 Resp: 20364
 Ion Ratio Lower Upper
 96 100
 61 159.9 128.8 193.2
 98 70.7 52.2 78.2





#13

Acrolein

Concen: 117.50 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

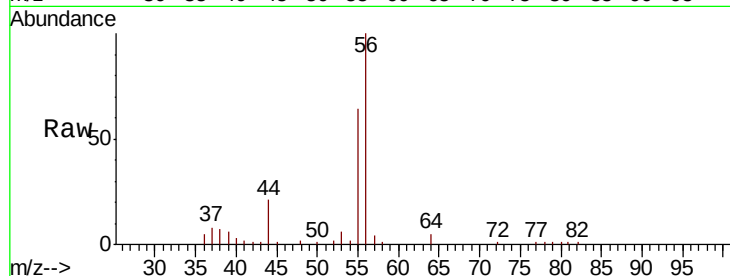
ClientSampleId :

Tot Ion: 56 Resp: 13160

Ion Ratio Lower Upper

56 100

55 70.9 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

10000

8000

6000

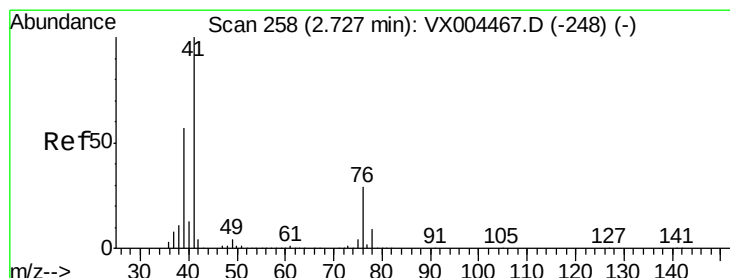
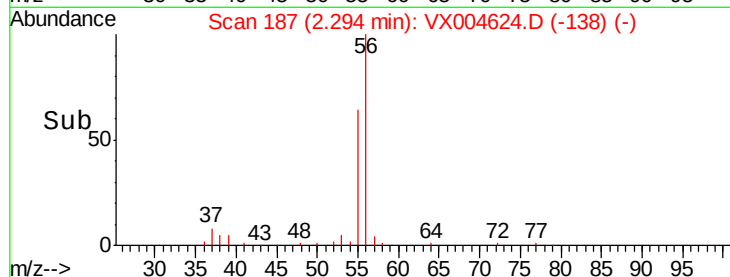
4000

2000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 21.26 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

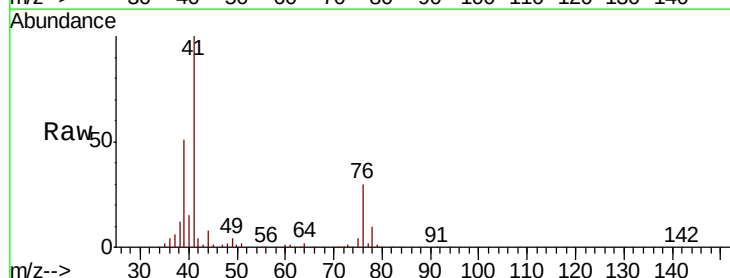
Tgt Ion: 41 Resp: 42124

Ion Ratio Lower Upper

41 100

39 50.4 48.9 73.3

76 26.9 26.7 40.1



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

30000

25000

20000

15000

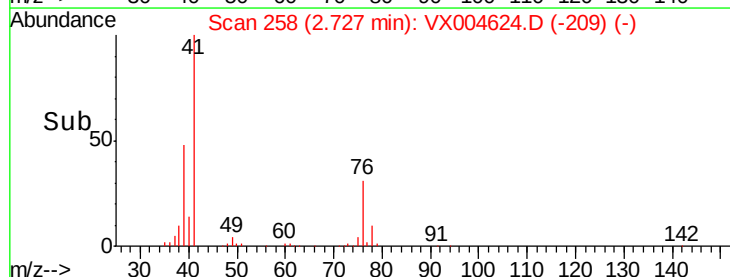
10000

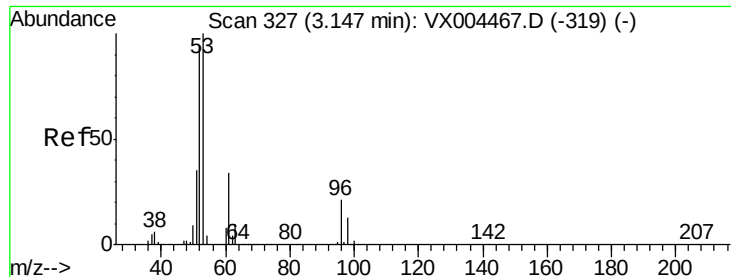
5000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 146.65 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

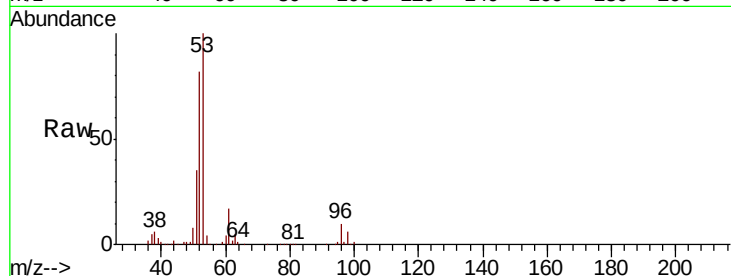
Tot Ion: 53 Resp: 100199

Ion Ratio Lower Upper

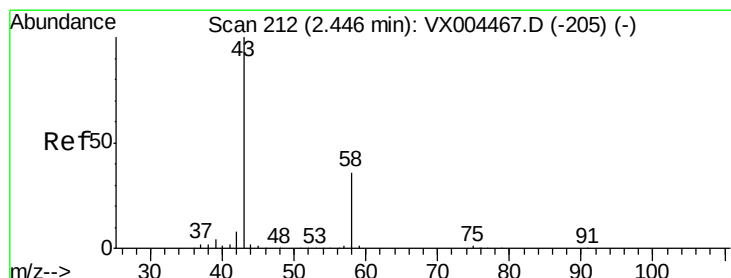
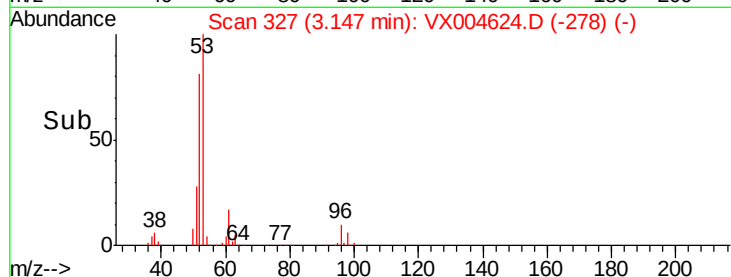
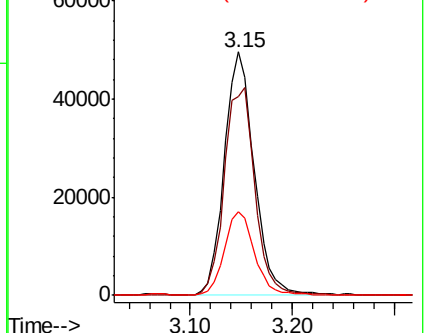
53 100

52 87.4 65.2 97.8

51 34.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 168.47 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004624.D

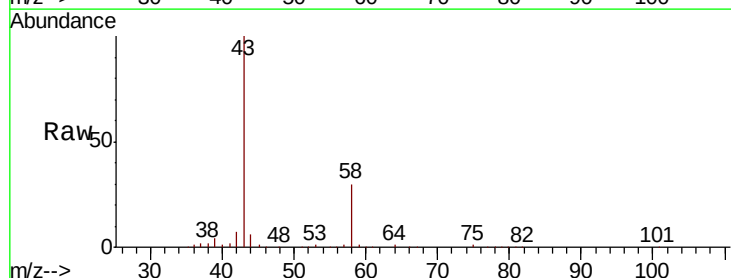
Acq: 17 Sep 2018 17:45

Tgt Ion: 43 Resp: 97772

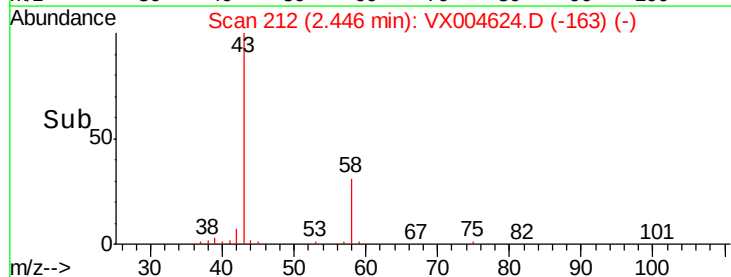
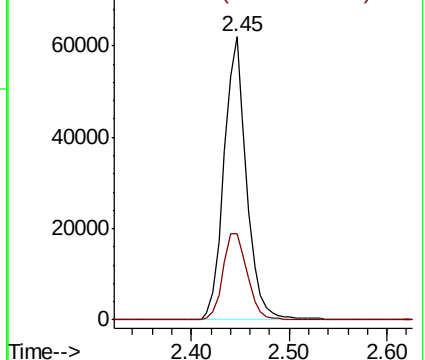
Ion Ratio Lower Upper

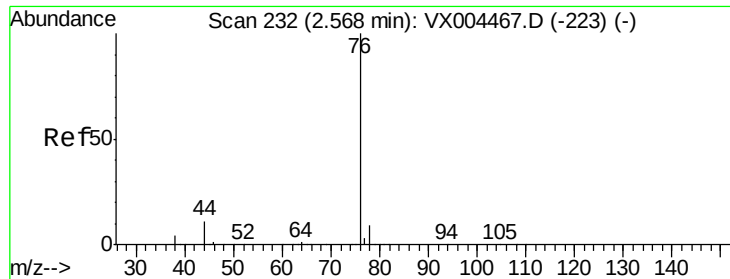
43 100

58 30.5 26.2 39.4



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

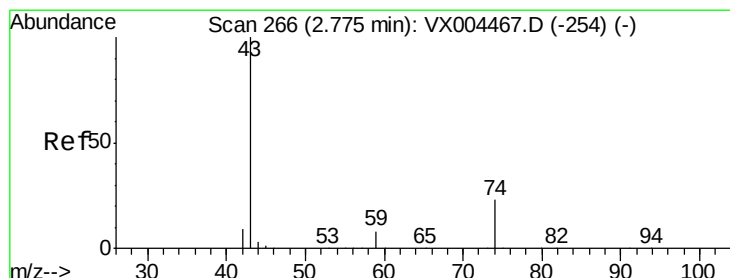
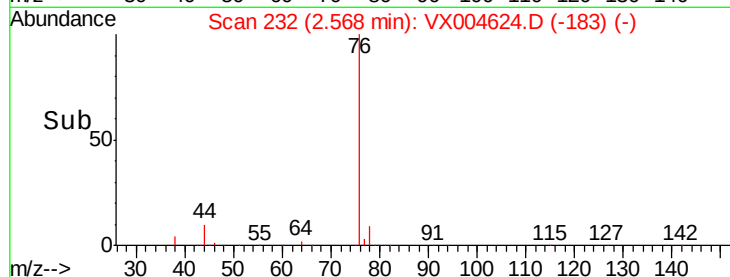
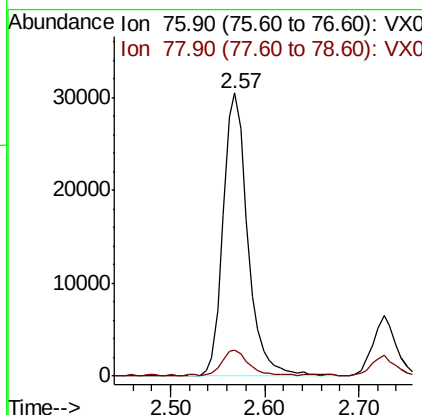
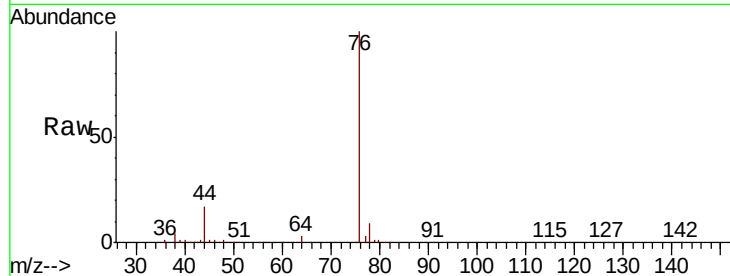




#17
Carbon Disulfide
Concen: 19.90 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

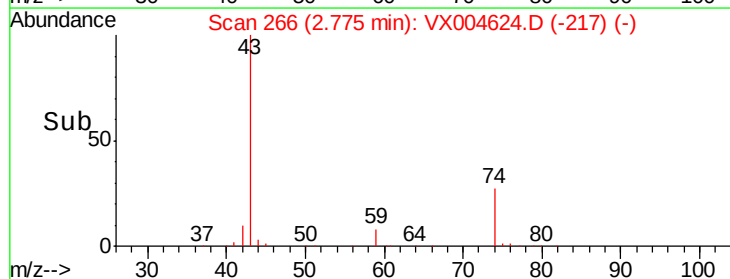
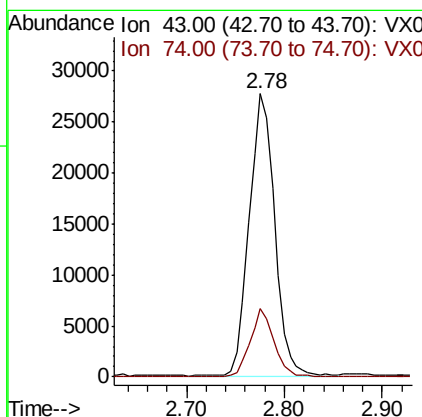
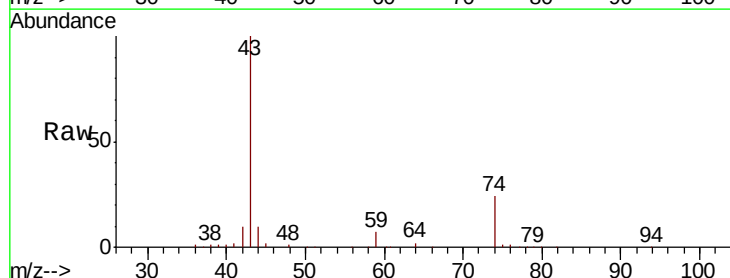
Instrument :
MSVOA_X
ClientSampleId :

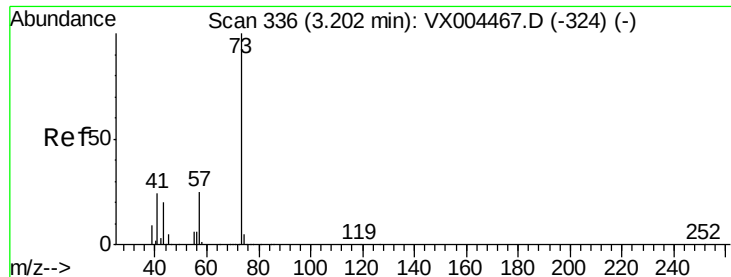
Tot Ion: 76 Resp: 55436
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 30.77 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion: 43 Resp: 50105
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.2



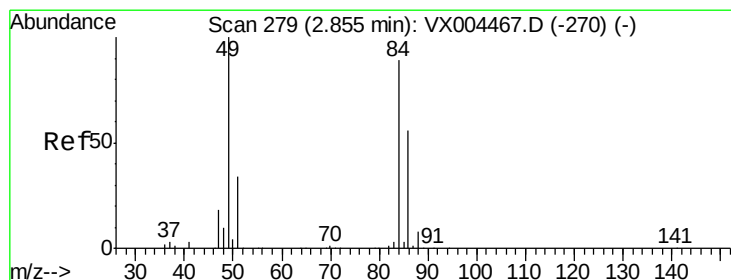
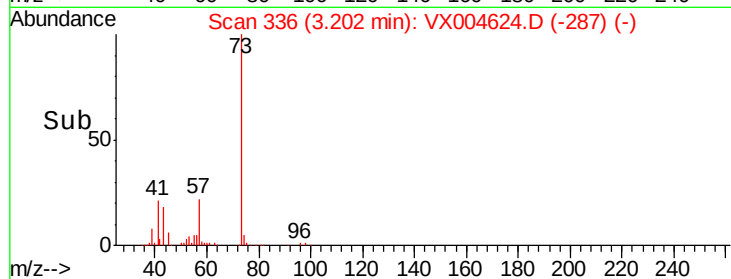
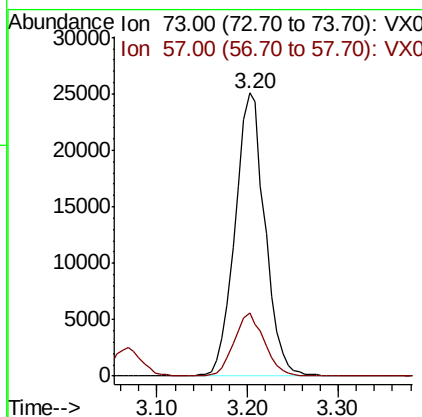
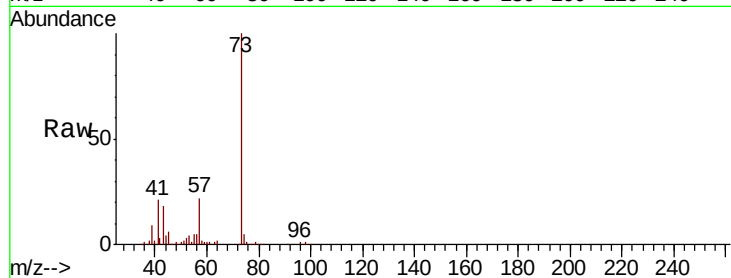


#19

Methyl tert-butyl Ether
 Concen: 16.95 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampled :

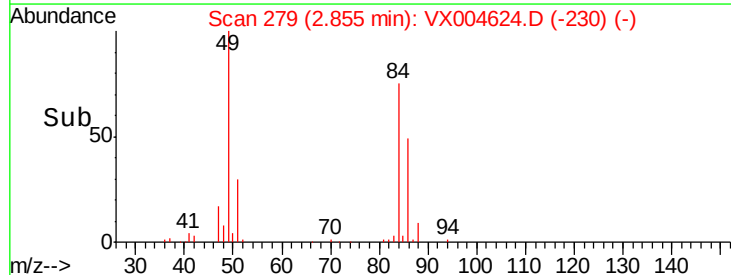
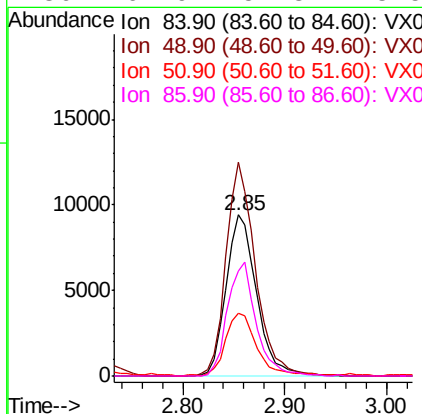
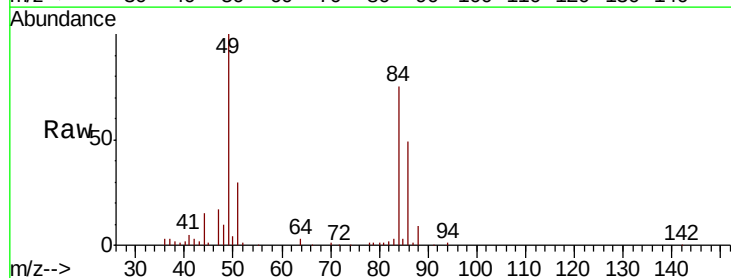
Tot Ion: 73 Resp: 57322
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.1 25.7

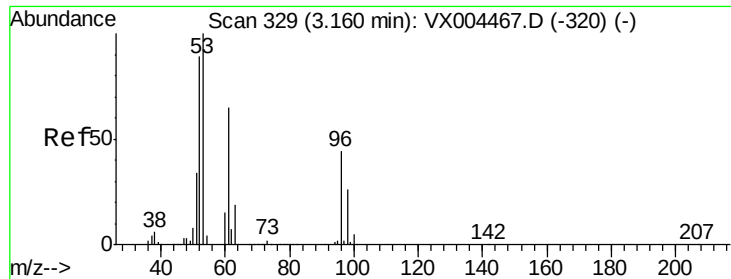


#20

Methylene Chloride
 Concen: 16.35 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 84 Resp: 19463
 Ion Ratio Lower Upper
 84 100
 49 132.5 101.2 151.8
 51 38.6 29.5 44.3
 86 64.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.23 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

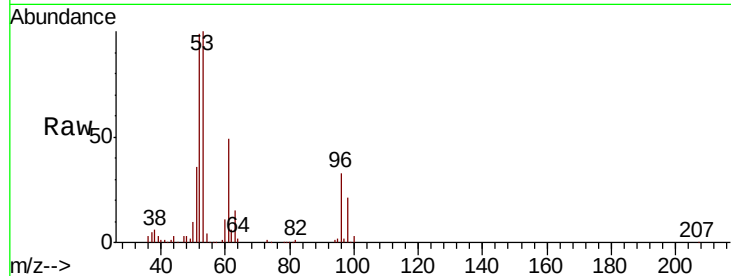
Tot Ion: 96 Resp: 19408

Ion Ratio Lower Upper

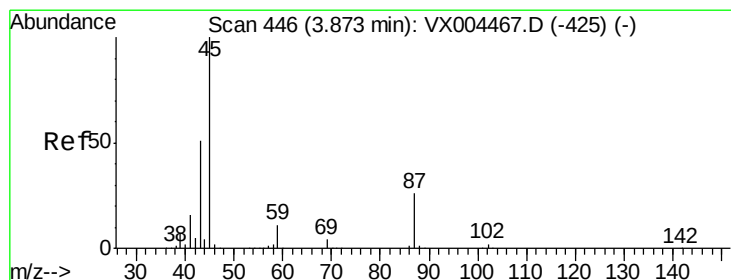
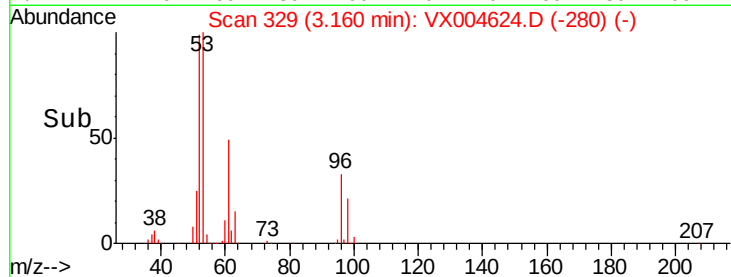
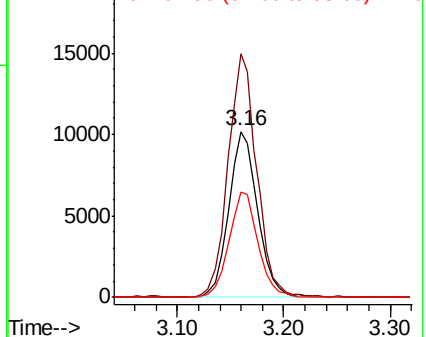
96 100

61 146.7 113.8 170.6

98 63.1 51.8 77.8



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



#22

Diisopropyl ether

Concen: 17.16 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion: 45 Resp: 61240

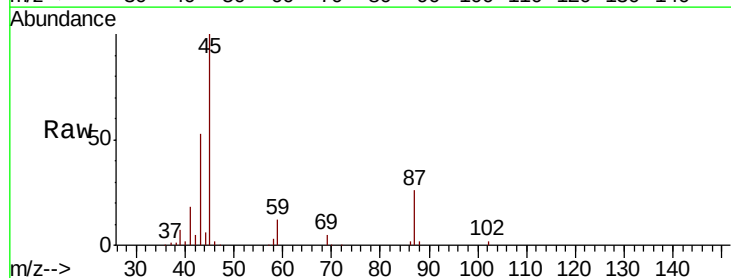
Ion Ratio Lower Upper

45 100

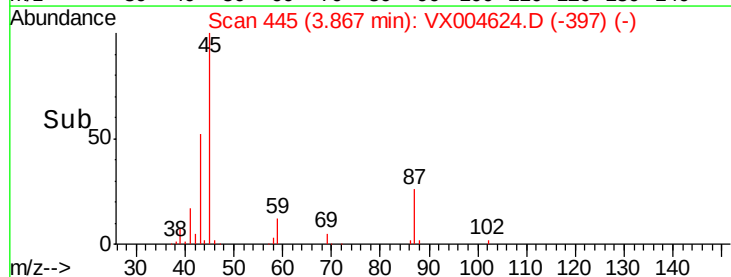
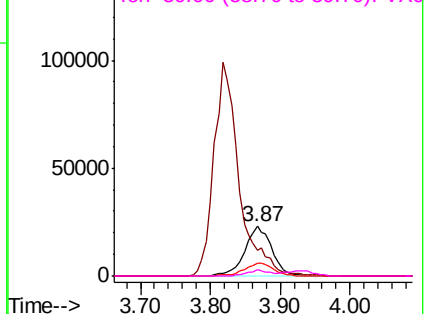
43 52.0 42.8 64.2

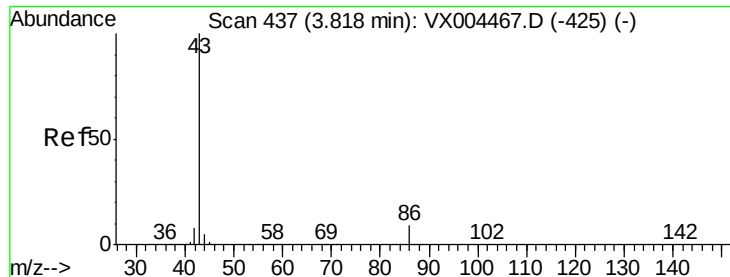
87 25.8 22.6 34.0

59 11.9 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: 86.98 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

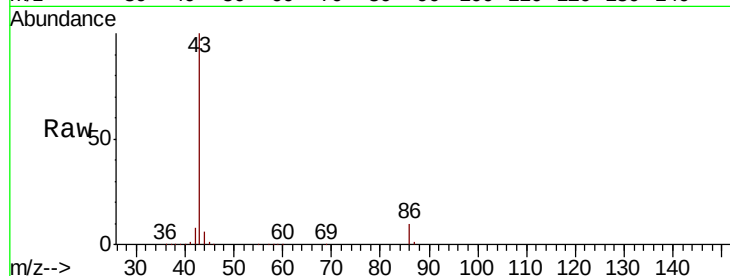
ClientSampled :

Tot Ion: 43 Resp: 251125

Ion Ratio Lower Upper

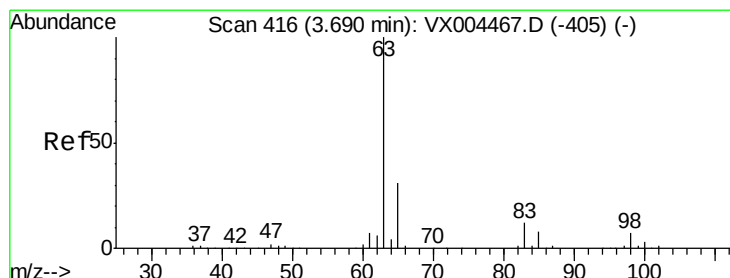
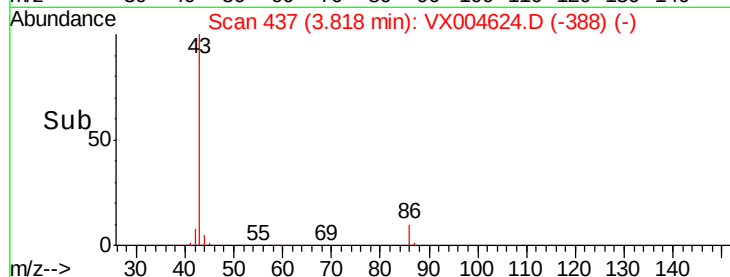
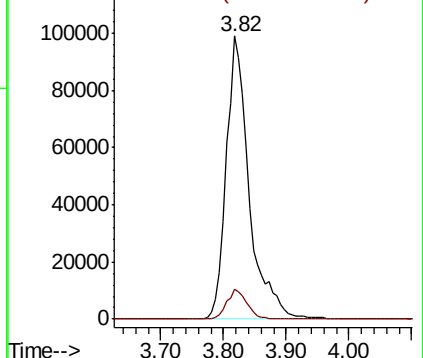
43 100

86 10.4 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: 19.30 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

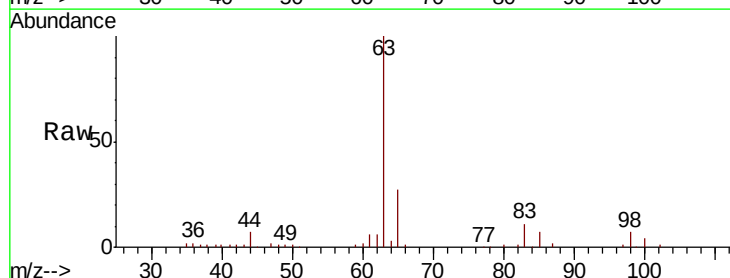
Tgt Ion: 63 Resp: 38887

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

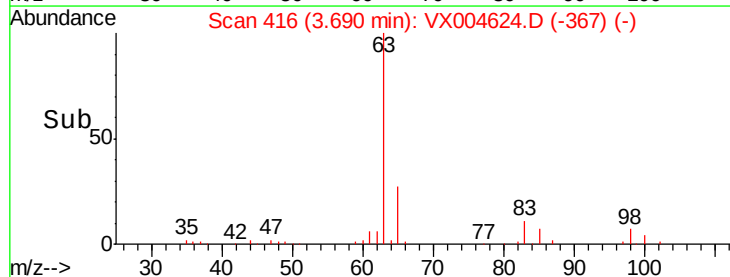
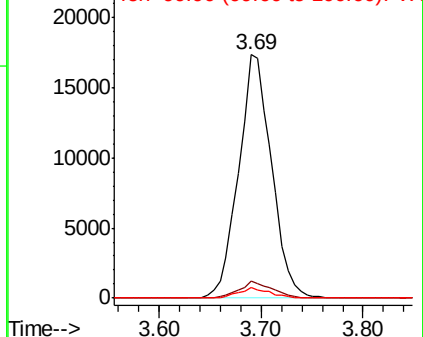
100 4.2 2.4 7.1

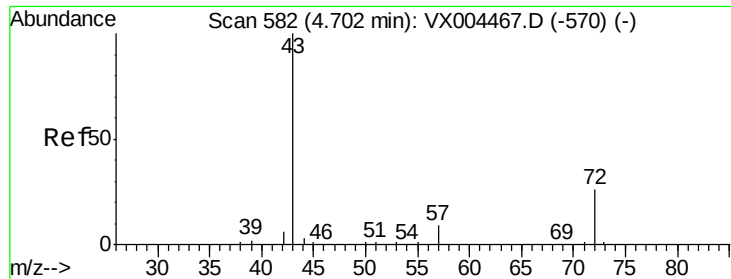


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 151.11 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

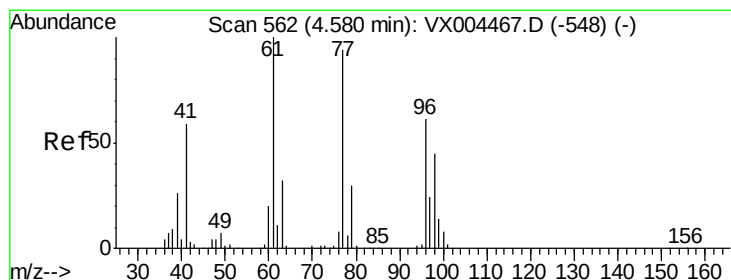
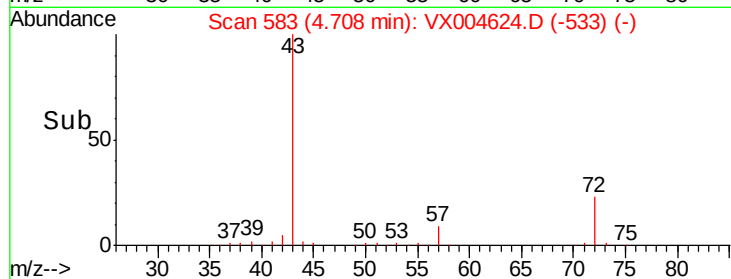
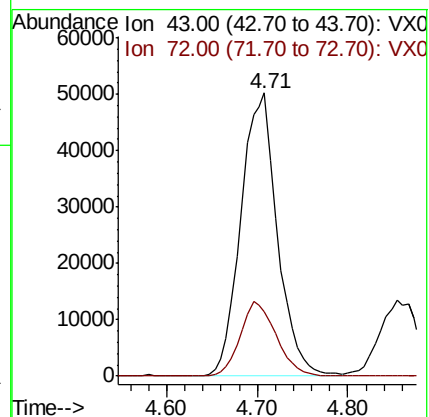
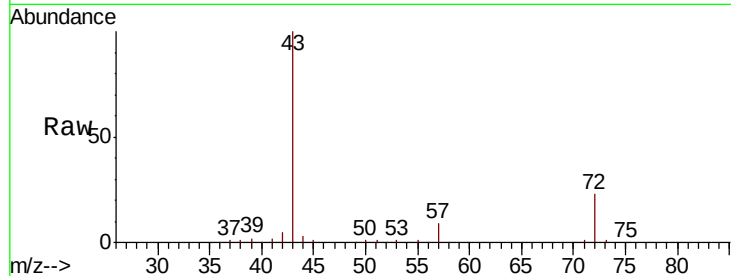
ClientSampleId :

Tot Ion: 43 Resp: 139576

Ion Ratio Lower Upper

43 100

72 22.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 21.14 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004624.D

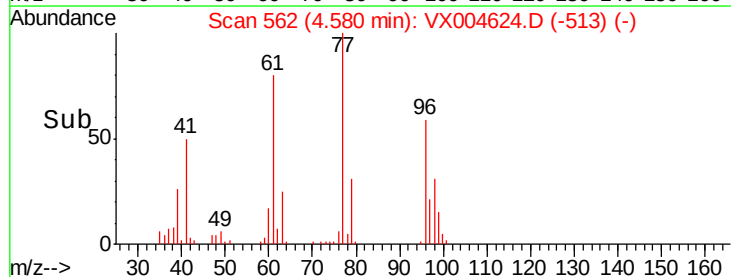
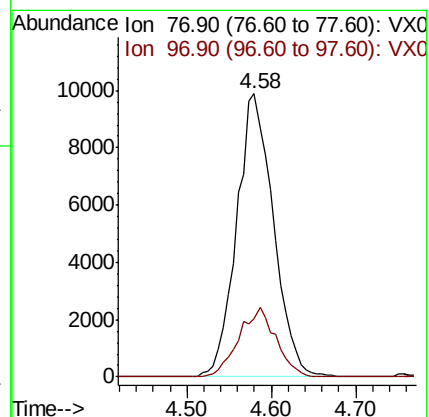
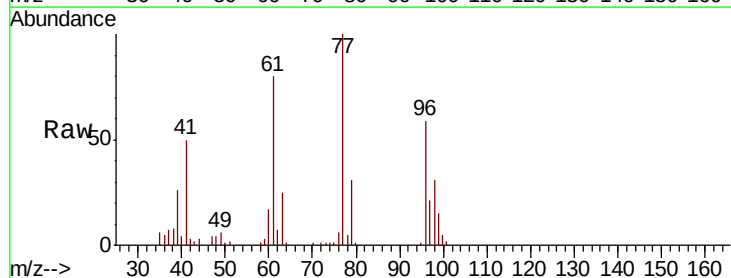
Acq: 17 Sep 2018 17:45

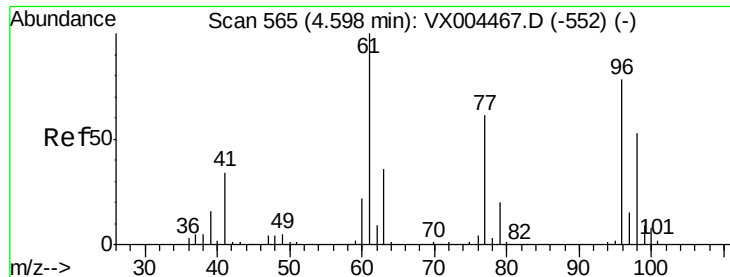
Tgt Ion: 77 Resp: 29243

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0



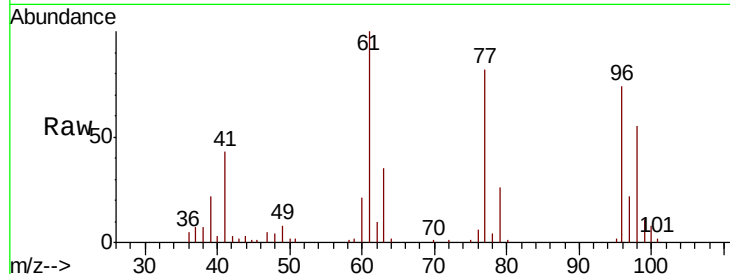


#27

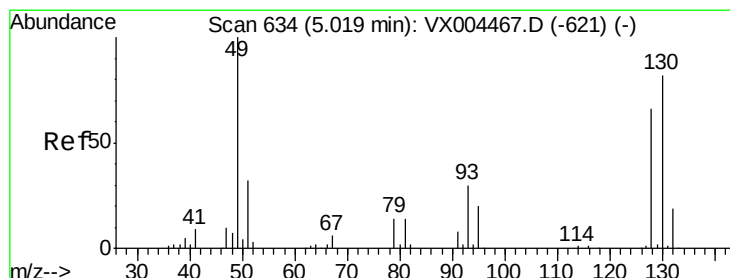
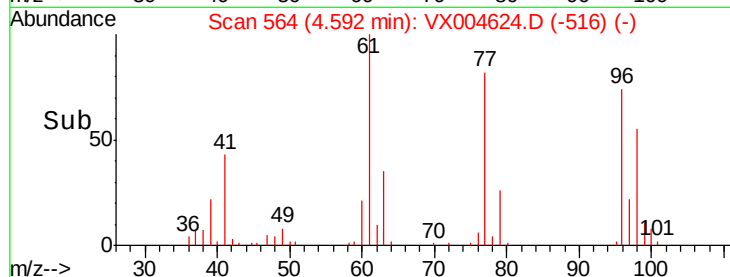
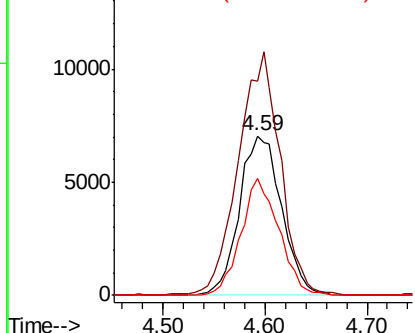
cis-1,2-Dichloroethene
 Concen: 16.98 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleID :

Tot Ion: 96 Resp: 20182
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 282.6
 98 66.0 0.0 130.2



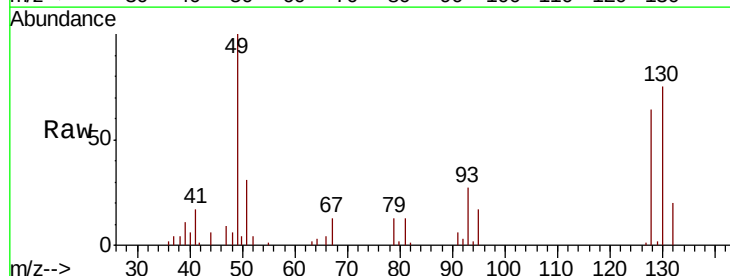
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



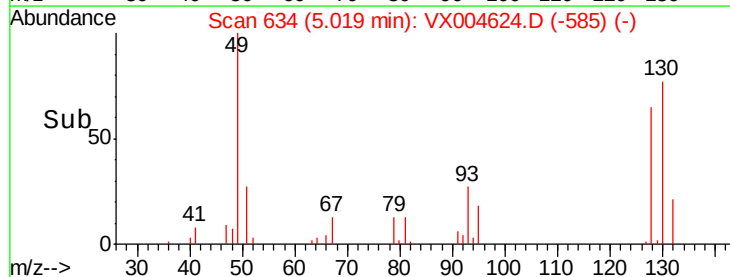
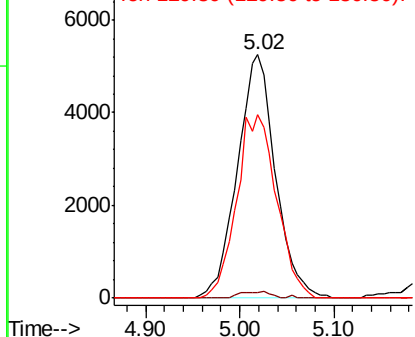
#28

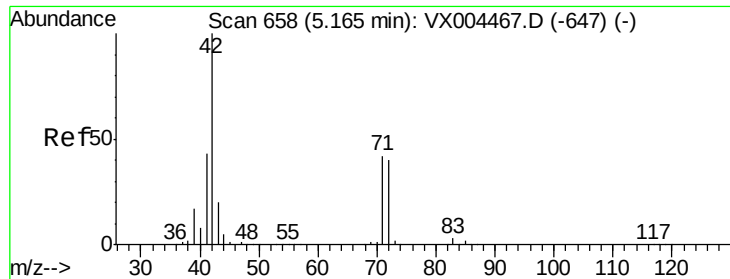
Bromochloromethane
 Concen: 16.13 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 49 Resp: 14862
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 79.1 67.5 101.3



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





#29

Tetrahydrofuran

Concen: 154.47 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

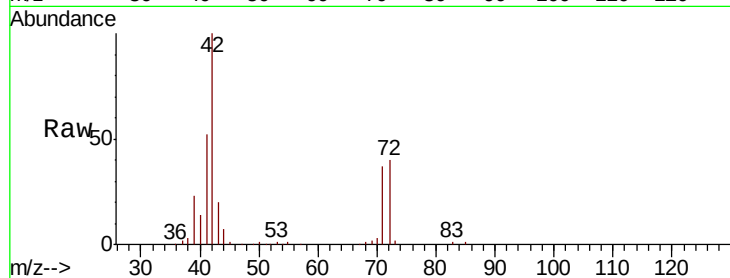
Tot Ion: 42 Resp: 86042

Ion Ratio Lower Upper

42 100

72 44.6 37.4 56.0

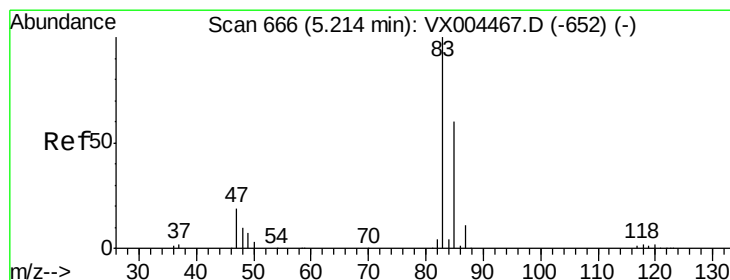
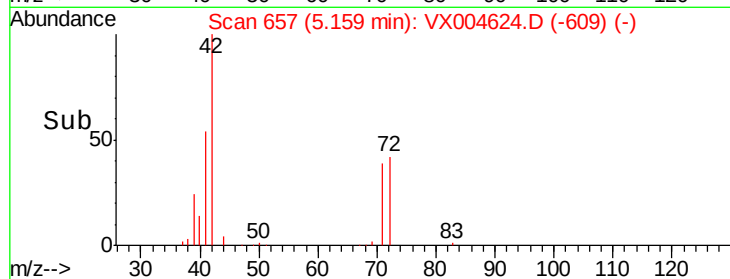
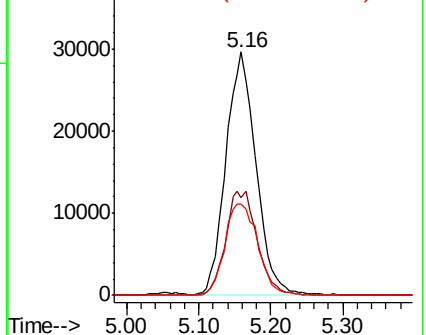
71 41.6 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 17.42 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004624.D

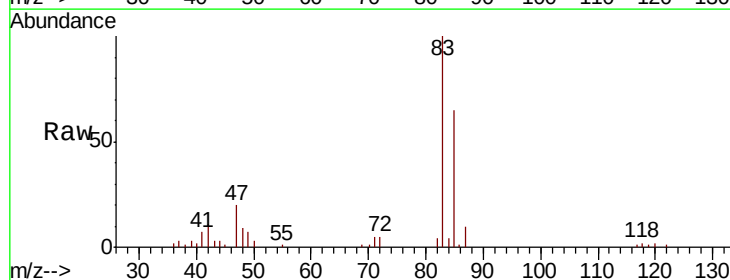
Acq: 17 Sep 2018 17:45

Tgt Ion: 83 Resp: 34264

Ion Ratio Lower Upper

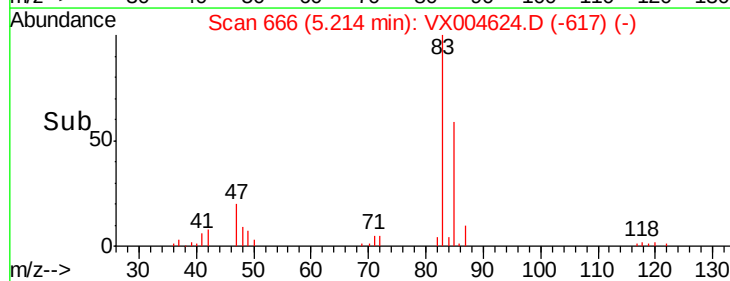
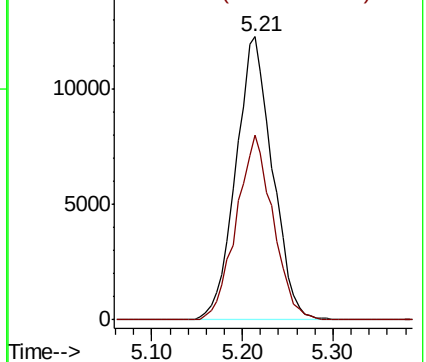
83 100

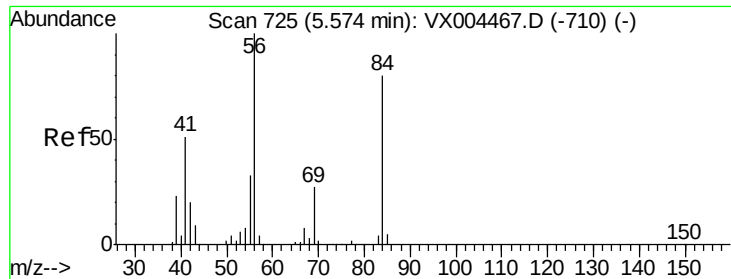
85 65.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

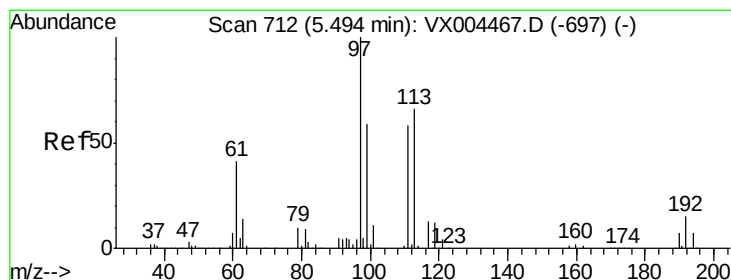
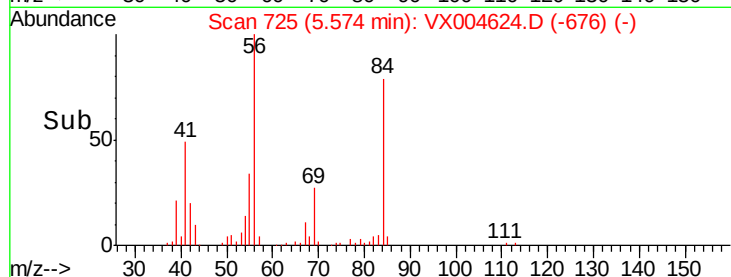
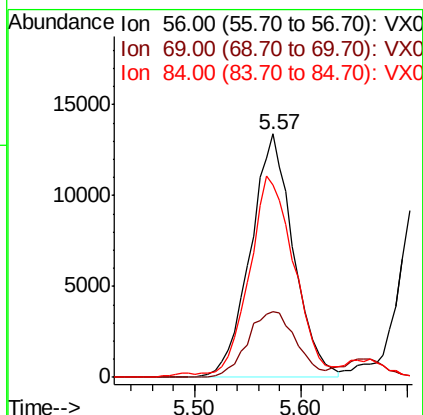
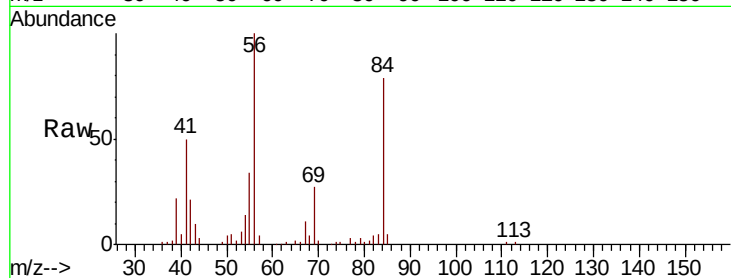




#31
Cyclohexane
Concen: 21.96 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

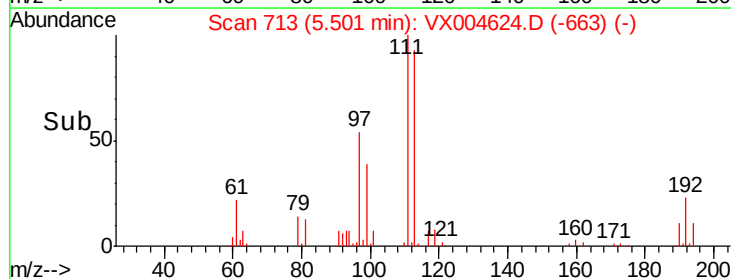
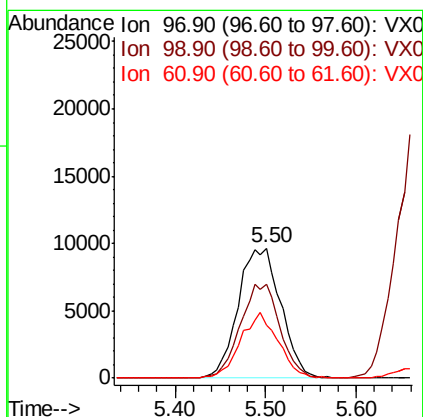
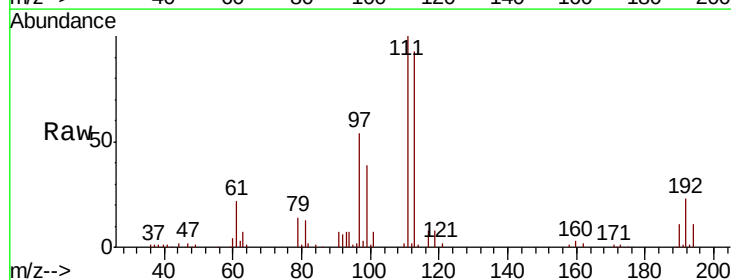
Instrument :
MSVOA_X
ClientSampled :

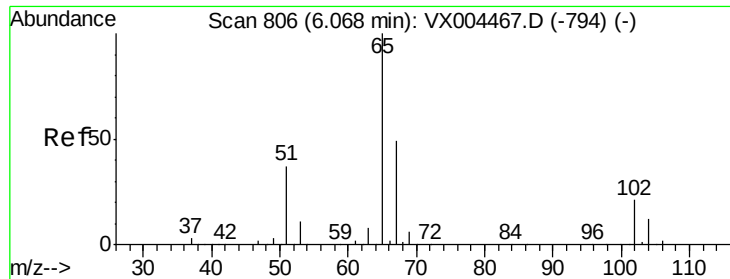
Tot Ion: 56 Resp: 37763
Ion Ratio Lower Upper
56 100
69 26.9 25.4 38.2
84 77.5 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 19.83 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion: 97 Resp: 31412
Ion Ratio Lower Upper
97 100
99 67.5 52.0 78.0
61 44.6 34.9 52.3

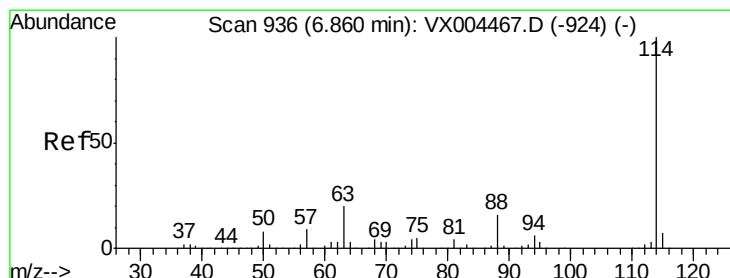
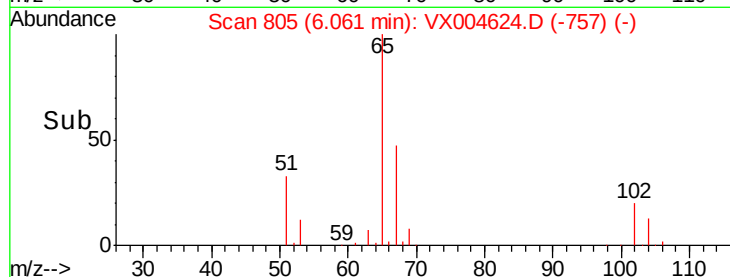
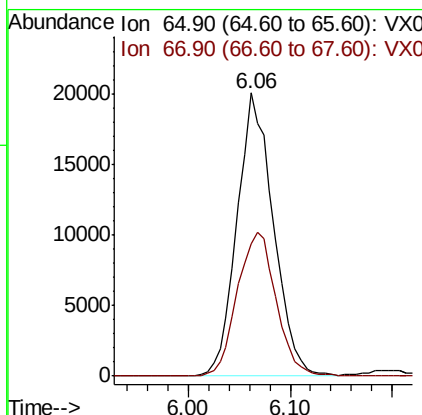
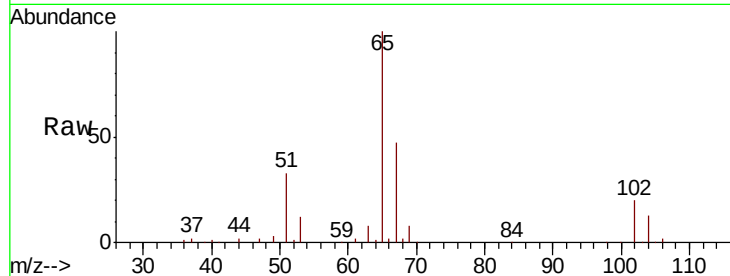




#33
 1,2-Dichloroethane-d4
 Concen: 41.75 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

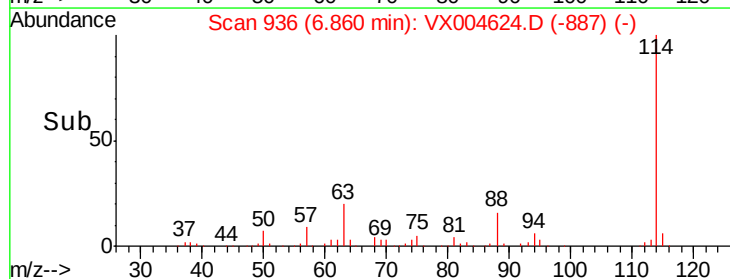
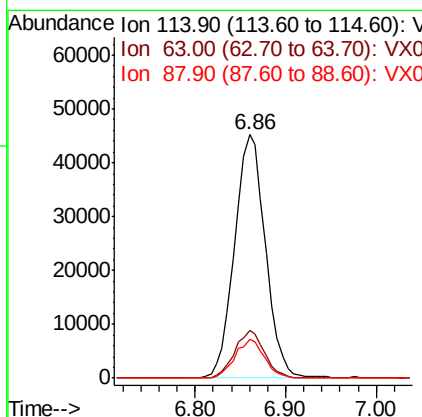
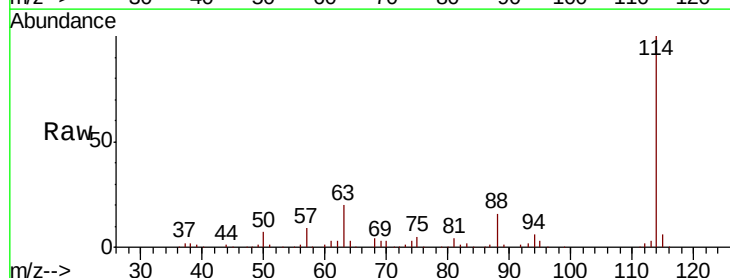
Instrument :
 MSVOA_X
 ClientSampleId :

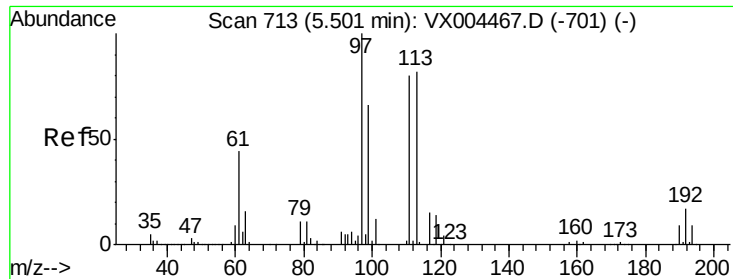
Tot Ion: 65 Resp: 49641
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 114 Resp: 106783
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 16.2 0.0 30.4

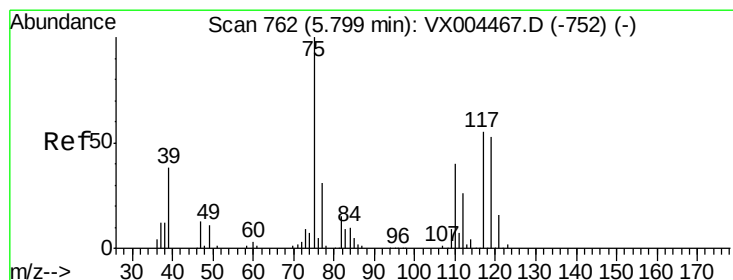
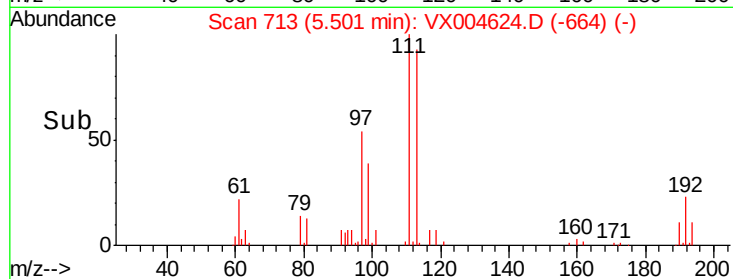
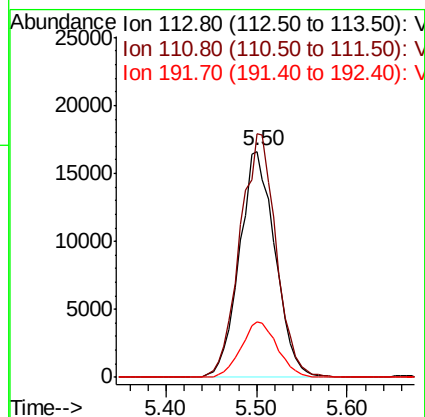
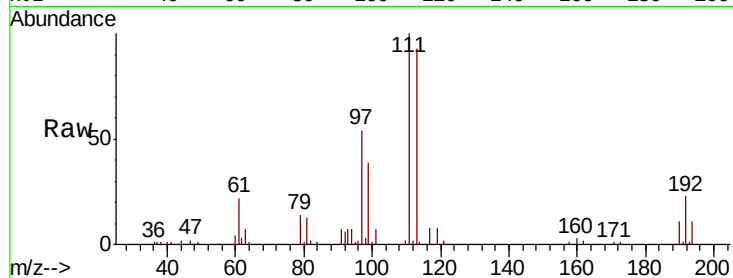




#35
 Dibromofluoromethane
 Concen: 46.43 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

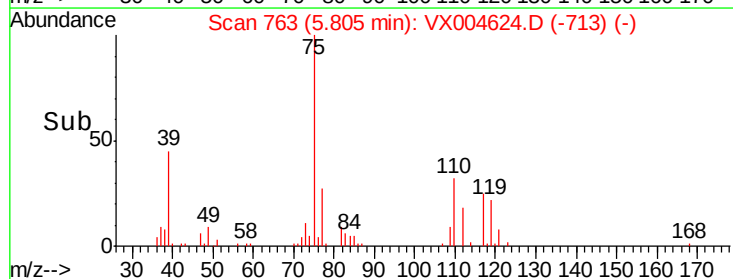
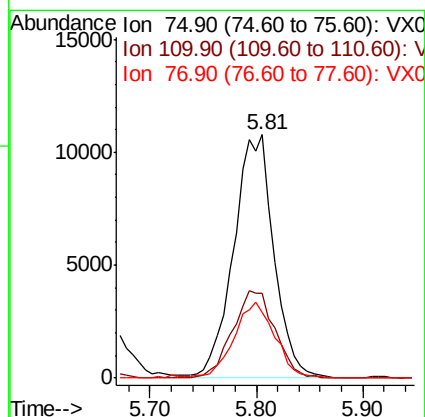
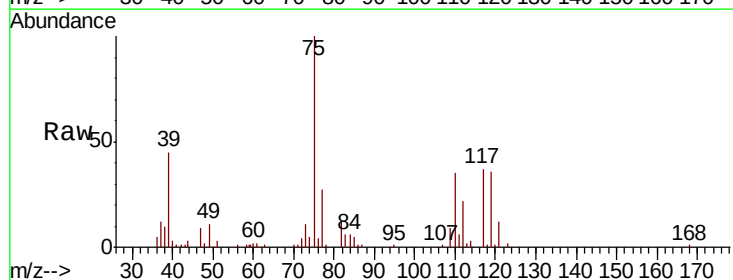
Instrument :
 MSVOA_X
 ClientSampleId :

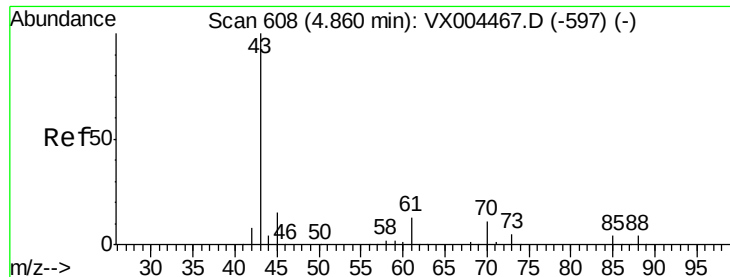
Tot Ion:113 Resp: 45373
 Ion Ratio Lower Upper
 113 100
 111 108.9 82.4 123.6
 192 24.8 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 22.02 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 75 Resp: 28550
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.0 54.0
 77 31.6 24.6 36.8

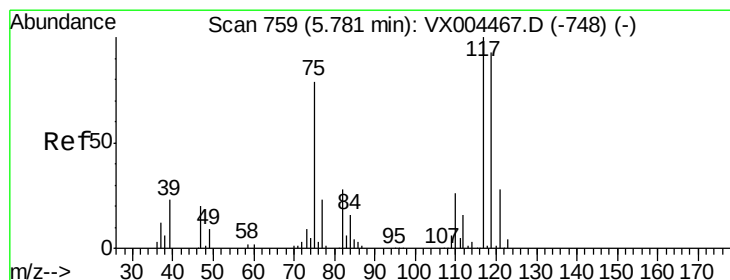
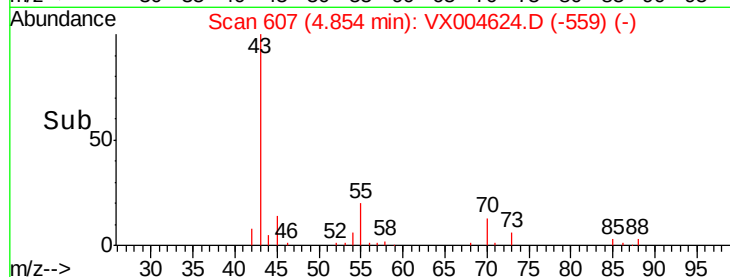
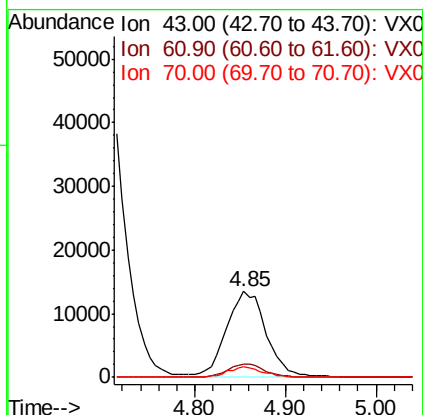
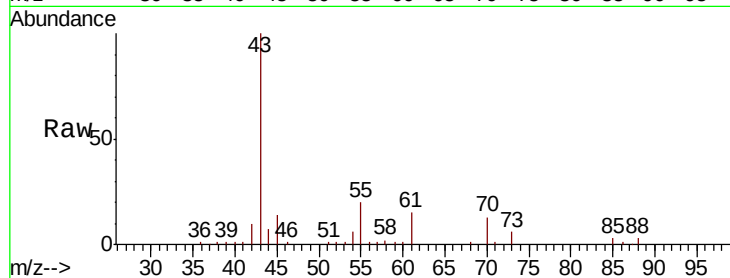




#37
Ethyl Acetate
Concen: 27.40 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

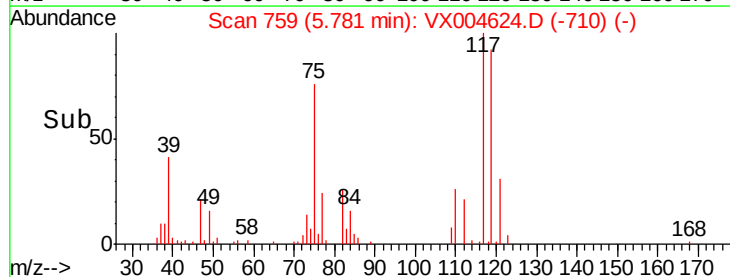
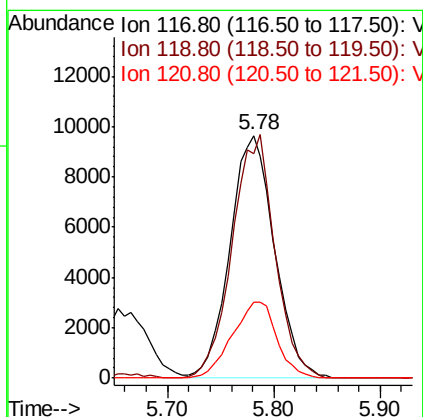
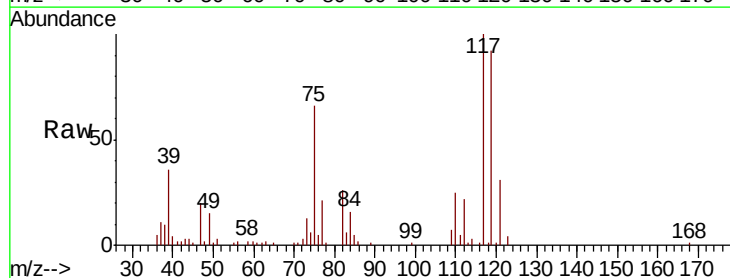
Instrument :
MSVOA_X
ClientSampled :

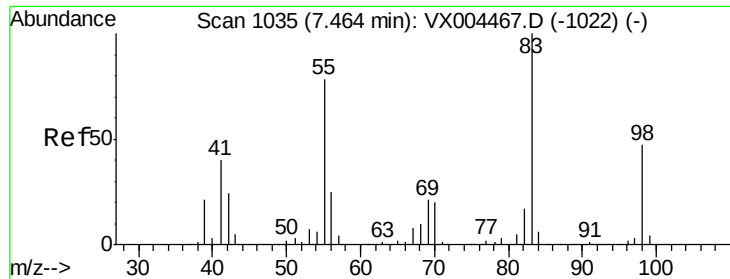
Tot Ion: 43 Resp: 40406
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 11.3 9.0 13.6



#38
Carbon Tetrachloride
Concen: 22.33 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion: 117 Resp: 28275
Ion Ratio Lower Upper
117 100
119 92.3 78.8 118.2
121 31.5 24.9 37.3

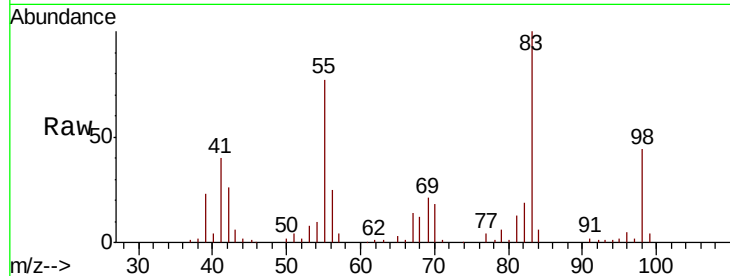




#39
Methylvlcyclohexane
Concen: 25.51 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	83	Resp	34507
Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	44.2	39.6	59.4

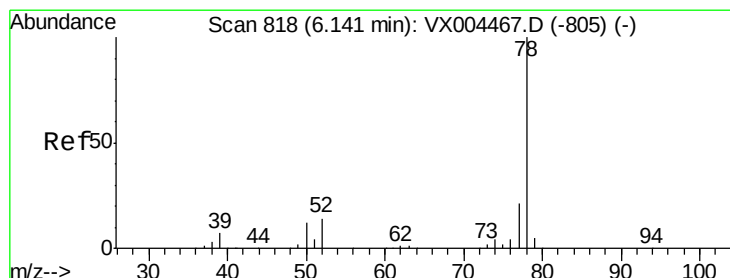
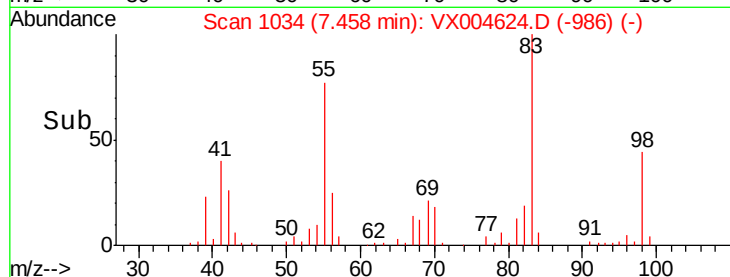
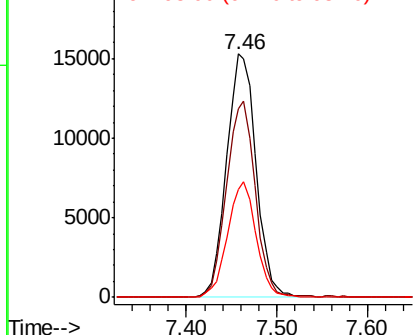


Abundance

Ion 83.00 (82.70 to 83.70): VX0

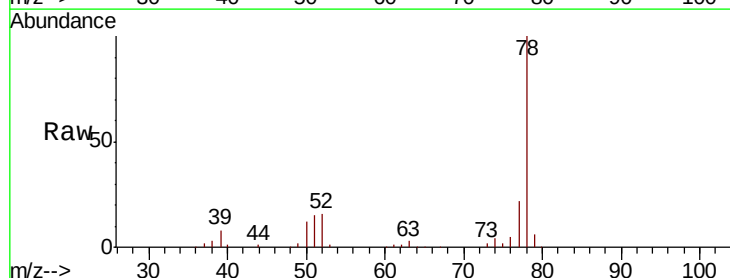
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 21.15 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

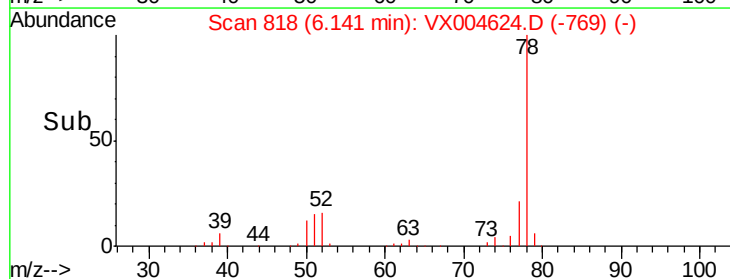
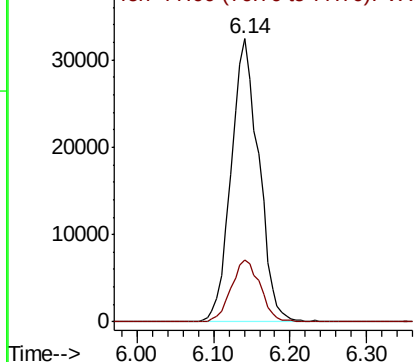
Tgt Ion	78	Resp	81336
Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.4

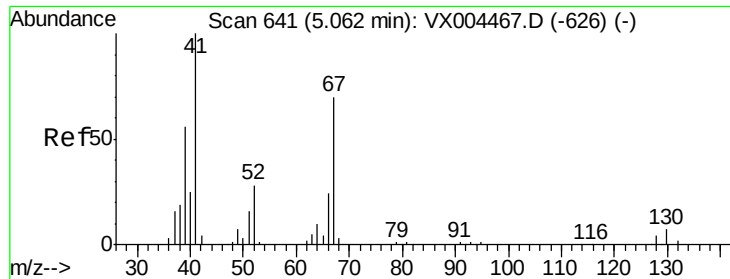


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 24.19 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 19655

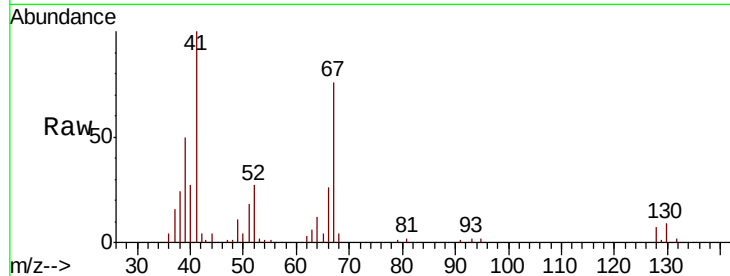
Ion Ratio Lower Upper

41 100

39 54.6 42.4 63.6

67 77.0 59.2 88.8

52 30.1 23.0 34.4

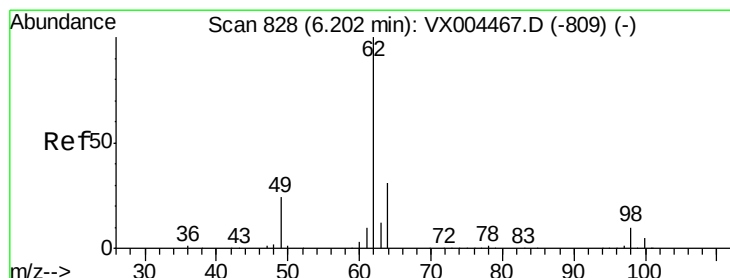
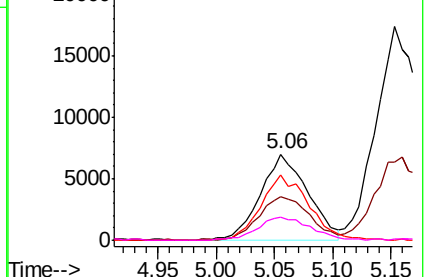
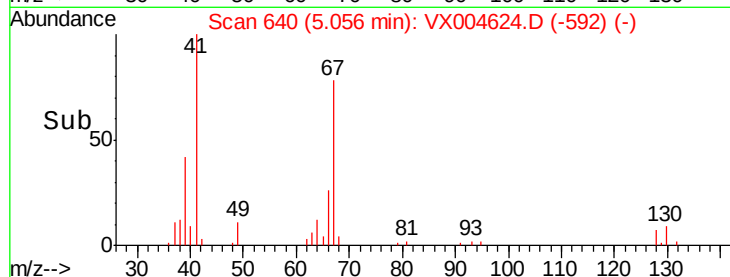


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.12 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004624.D

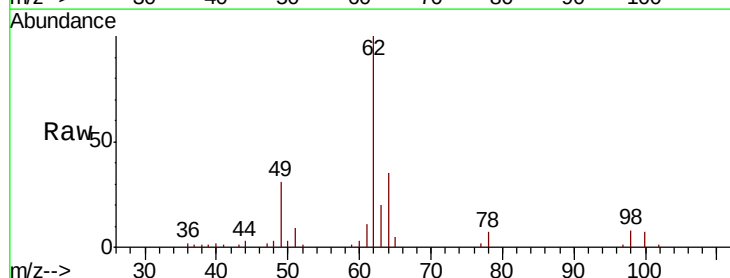
Acq: 17 Sep 2018 17:45

Tgt Ion: 62 Resp: 23116

Ion Ratio Lower Upper

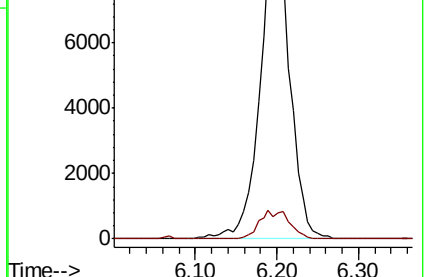
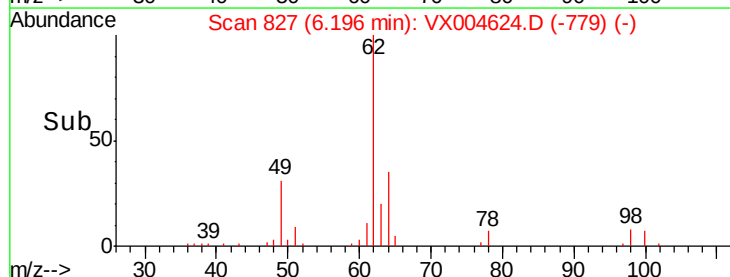
62 100

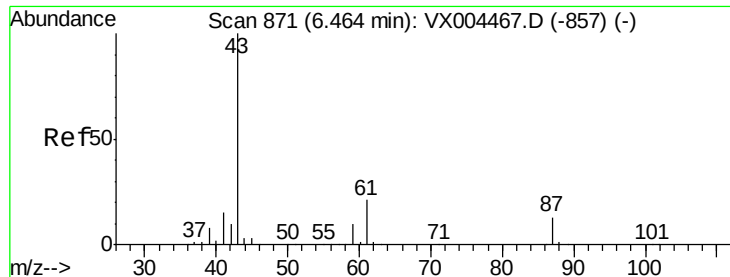
98 9.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.18 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

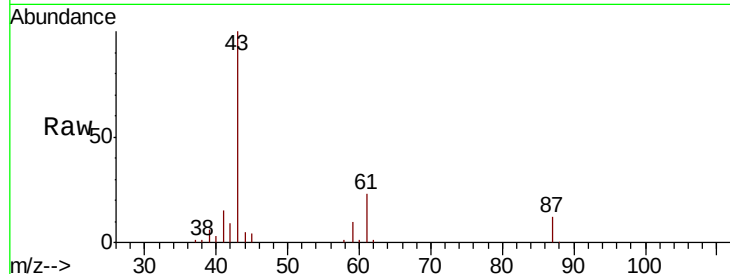
Tot Ion: 43 Resp: 41477

Ion Ratio Lower Upper

43 100

61 21.4 17.0 25.4

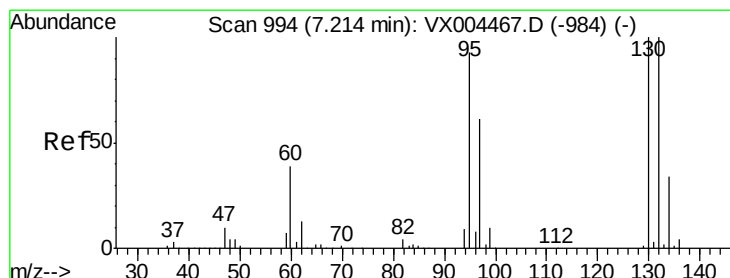
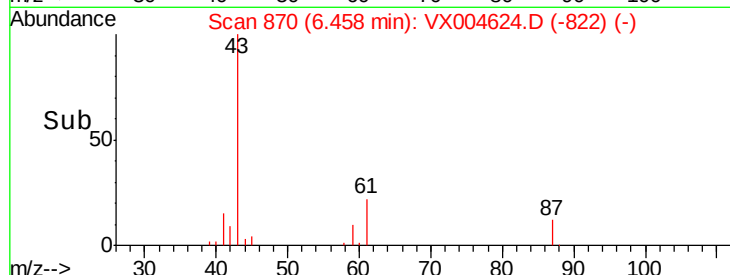
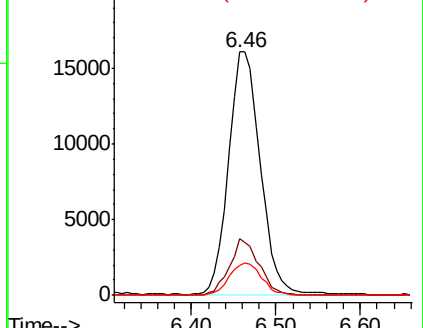
87 13.3 11.4 17.2



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: 21.57 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004624.D

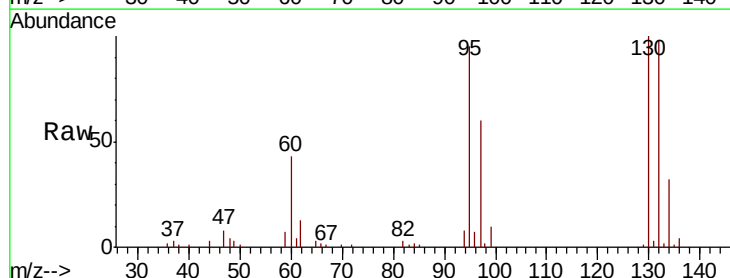
Acq: 17 Sep 2018 17:45

Tgt Ion:130 Resp: 21560

Ion Ratio Lower Upper

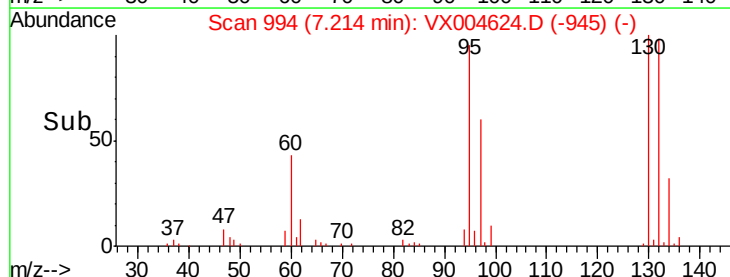
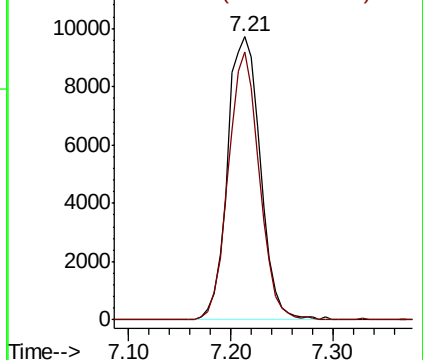
130 100

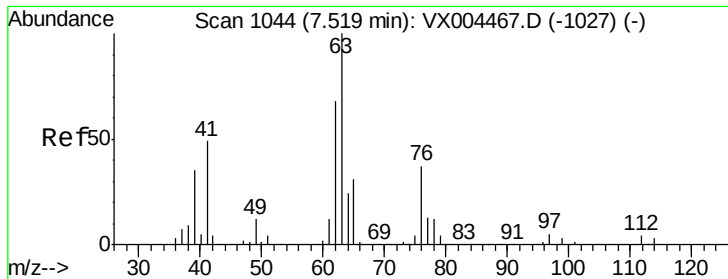
95 94.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.63 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

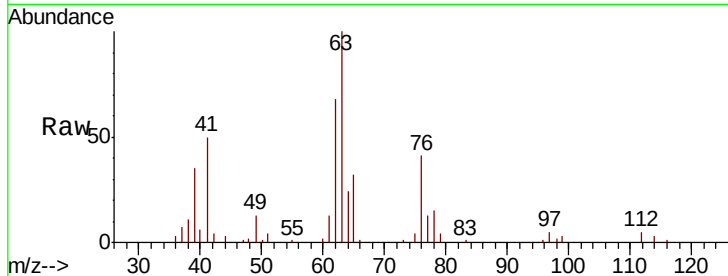
ClientSampled :

Tot Ion: 63 Resp: 18171

Ion Ratio Lower Upper

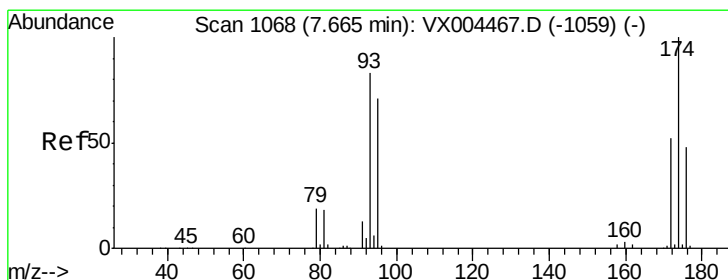
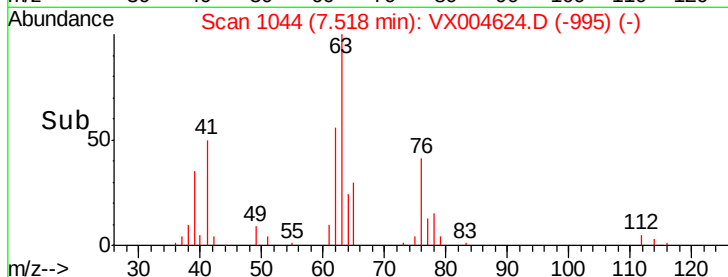
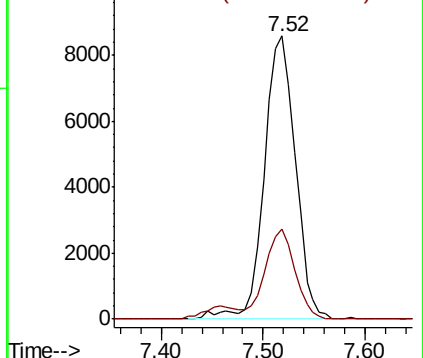
63 100

65 31.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.81 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

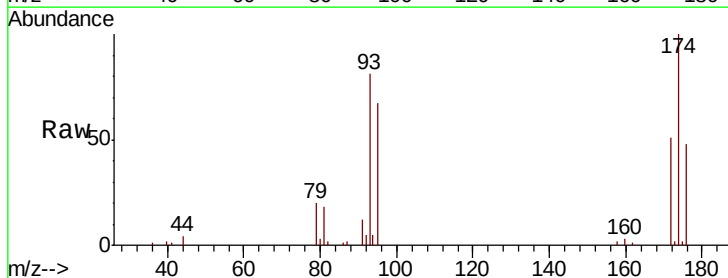
Tgt Ion: 93 Resp: 10413

Ion Ratio Lower Upper

93 100

95 86.8 65.5 98.3

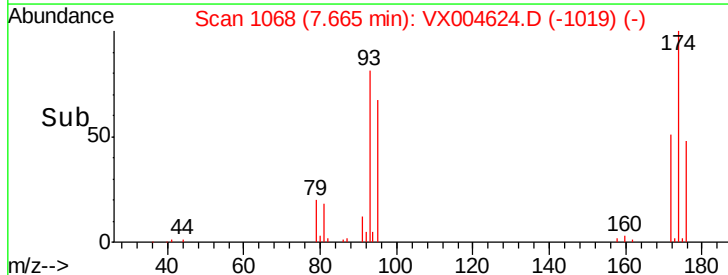
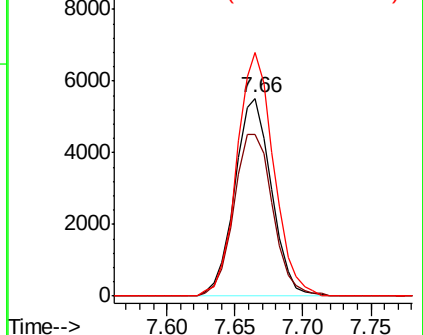
174 123.2 94.2 141.4

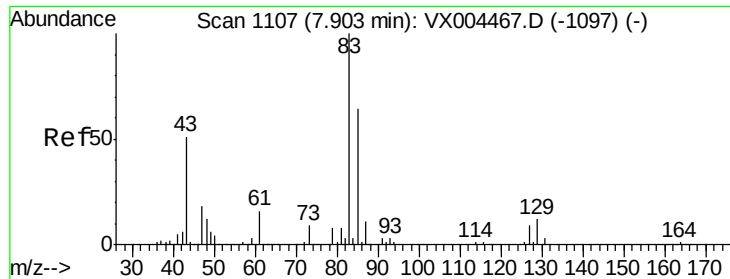


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.46 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampled :

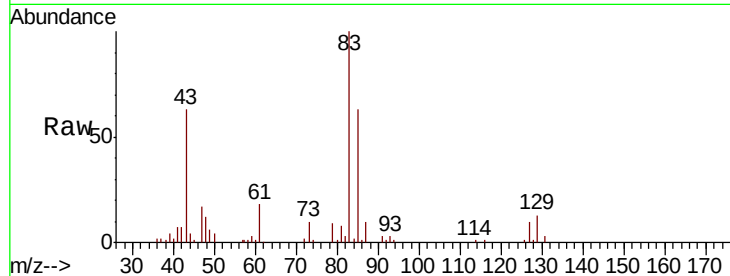
Tot Ion: 83 Resp: 20416

Ion Ratio Lower Upper

83 100

85 62.7 50.9 76.3

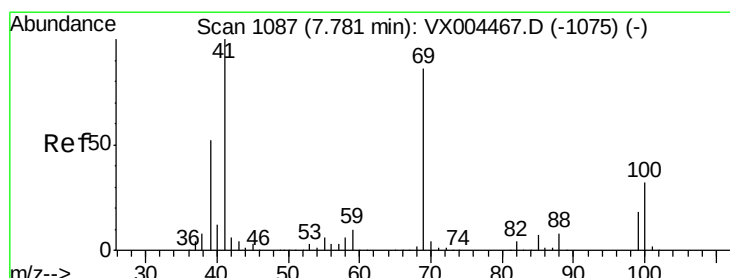
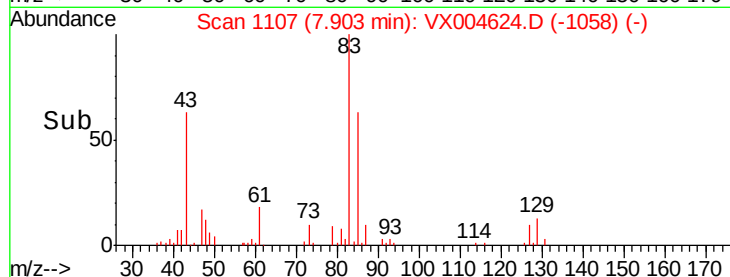
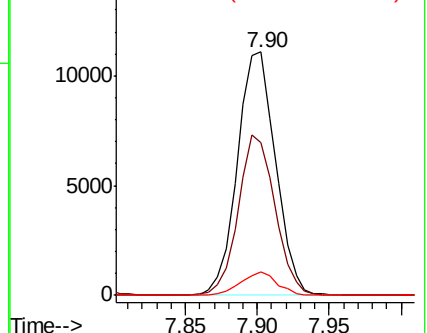
127 9.5 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.41 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

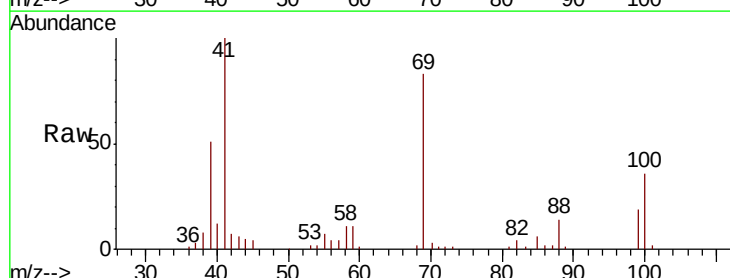
Tgt Ion: 41 Resp: 20748

Ion Ratio Lower Upper

41 100

69 84.5 70.2 105.4

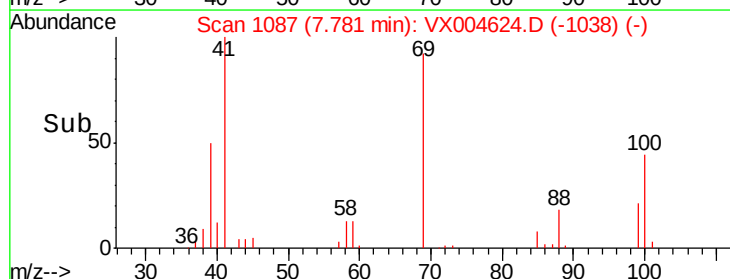
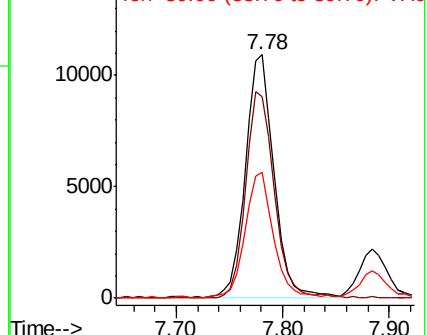
39 50.9 42.7 64.1

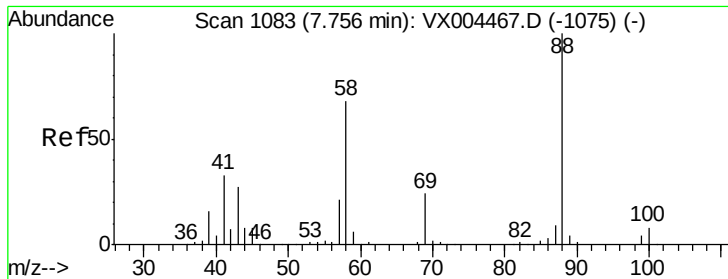


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 941.81 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :

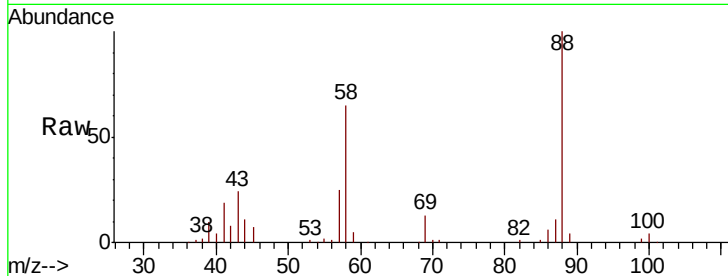
Tot Ion: 88 Resp: 21604

Ion Ratio Lower Upper

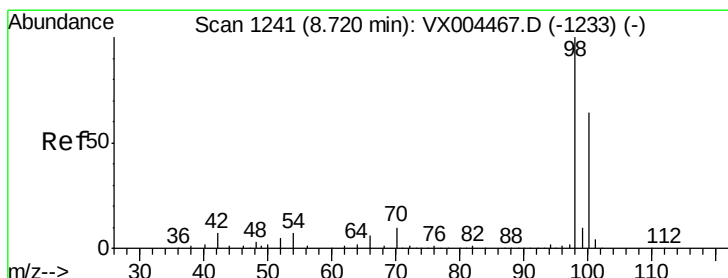
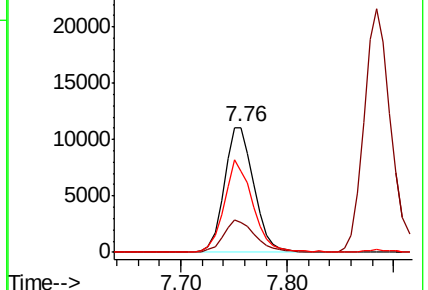
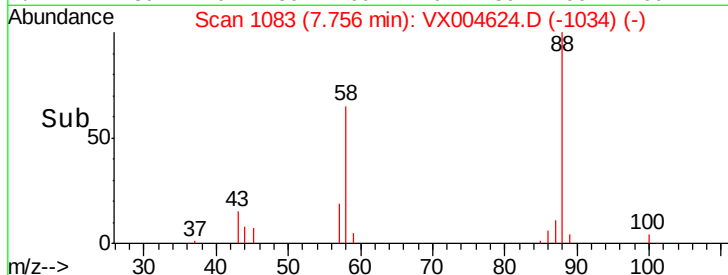
88 100

43 28.4 24.7 37.1

58 71.0 55.3 82.9



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



#50

Toluene-d8

Concen: 49.36 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004624.D

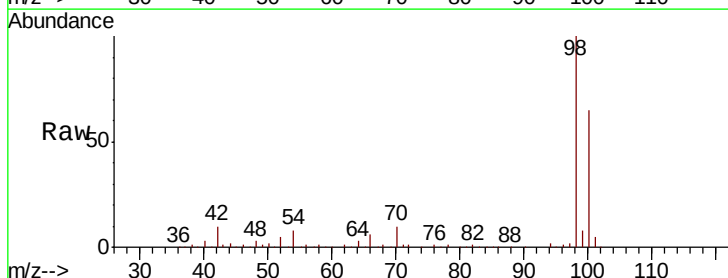
Acq: 17 Sep 2018 17:45

Tgt Ion: 98 Resp: 161741

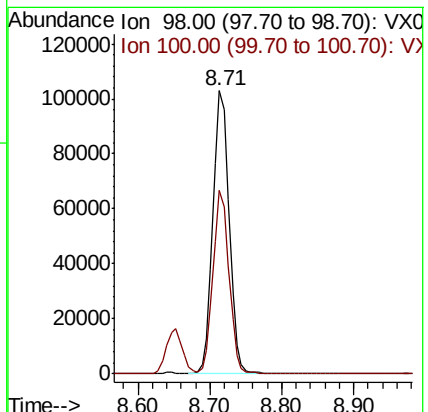
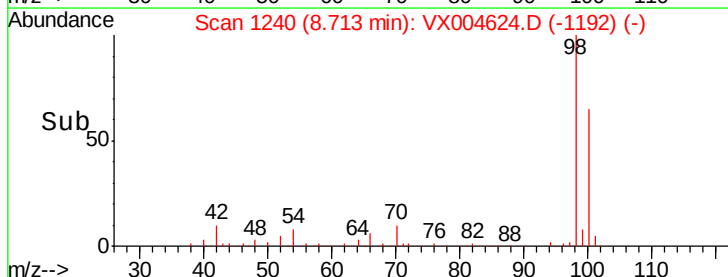
Ion Ratio Lower Upper

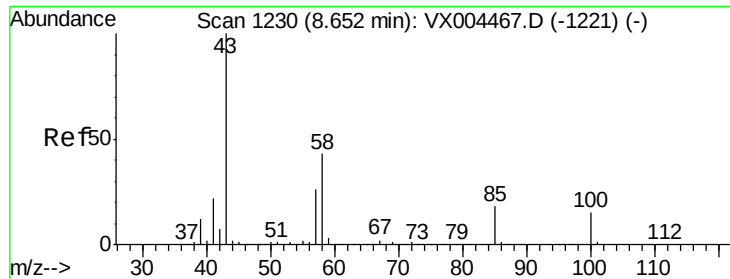
98 100

100 63.5 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 122.70 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

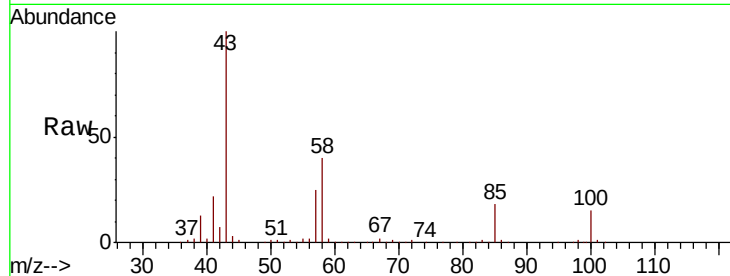
ClientSampled :

Tot Ion: 43 Resp: 169569

Ion Ratio Lower Upper

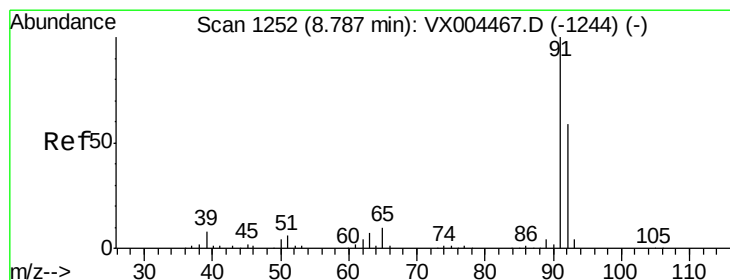
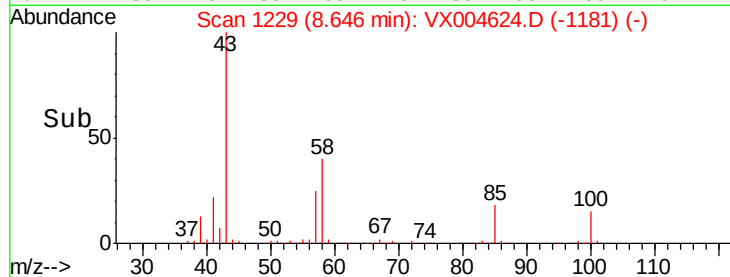
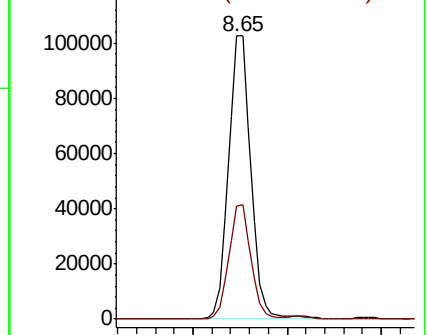
43 100

58 39.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.59 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004624.D

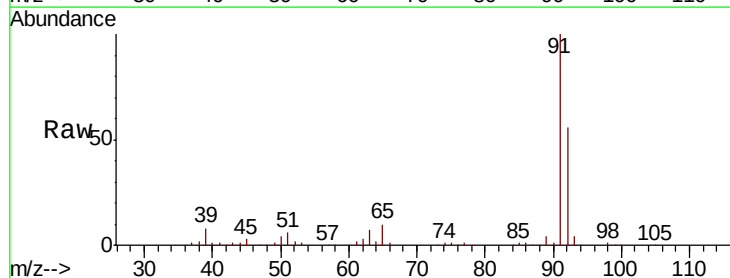
Acq: 17 Sep 2018 17:45

Tgt Ion: 92 Resp: 44398

Ion Ratio Lower Upper

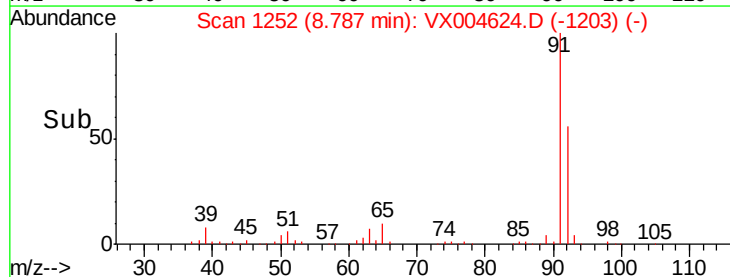
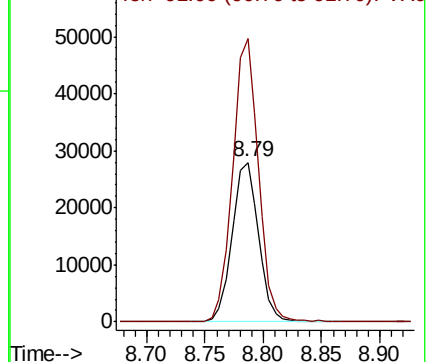
92 100

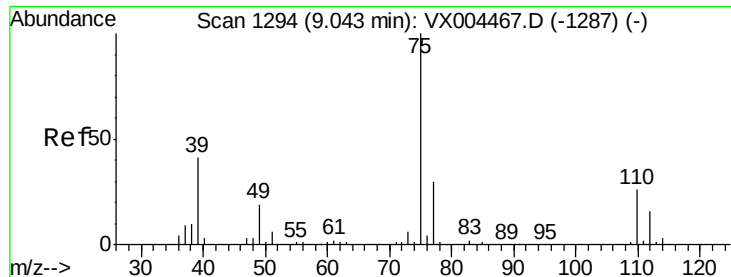
91 173.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

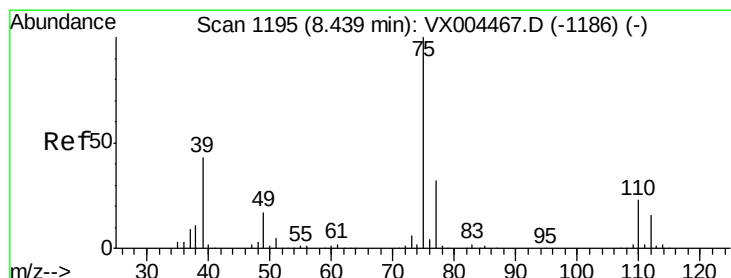
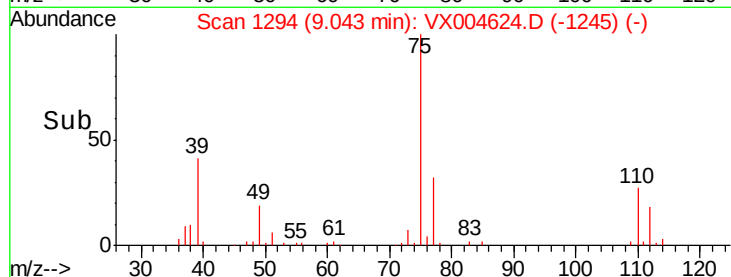
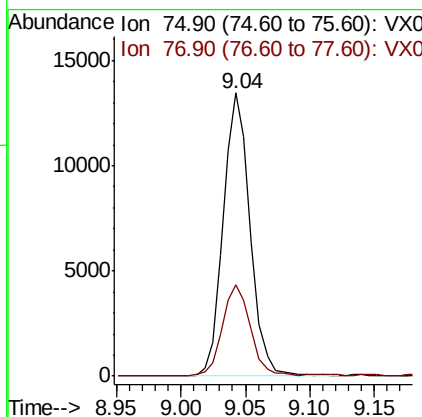
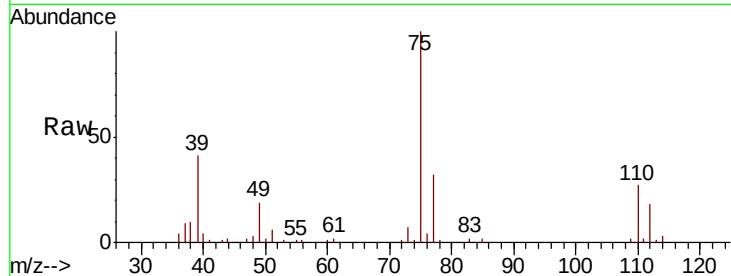




#53
t-1,3-Dichloropropene
Concen: 15.28 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

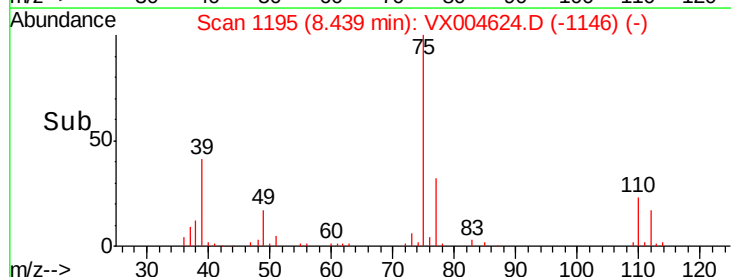
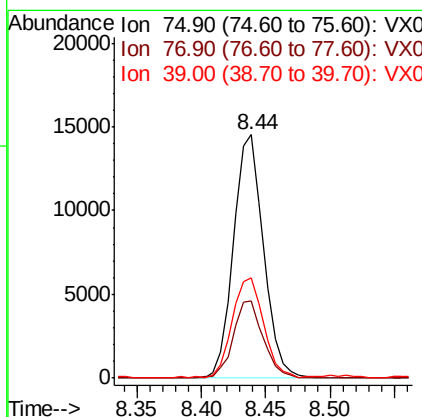
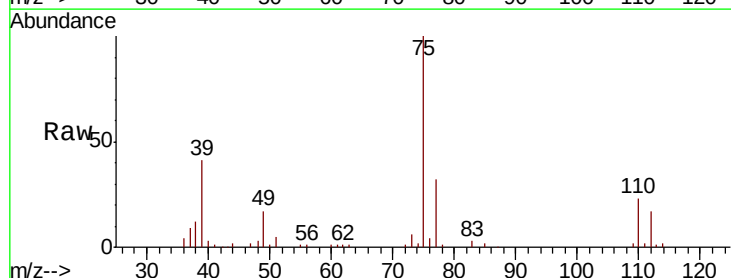
Instrument :
MSVOA_X
ClientSampleId :

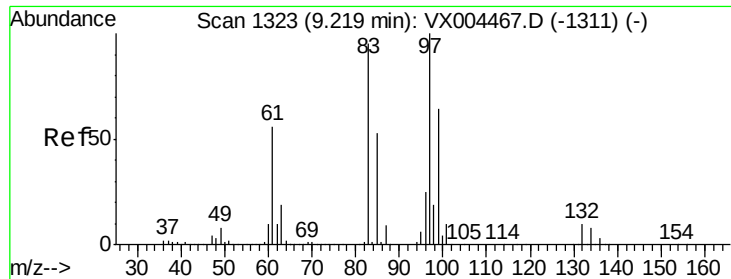
Tot Ion: 75 Resp: 19735
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 17.92 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion: 75 Resp: 23593
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2
39 41.0 36.4 54.6

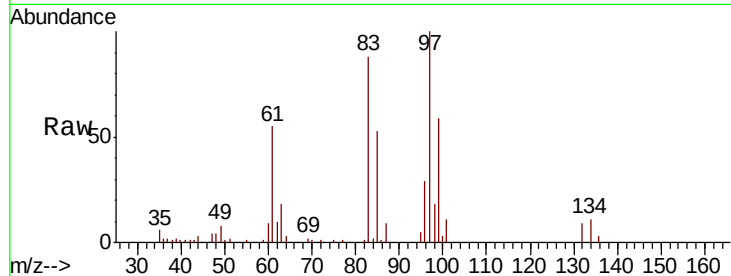




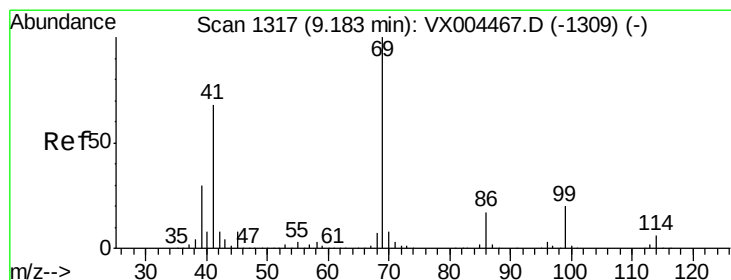
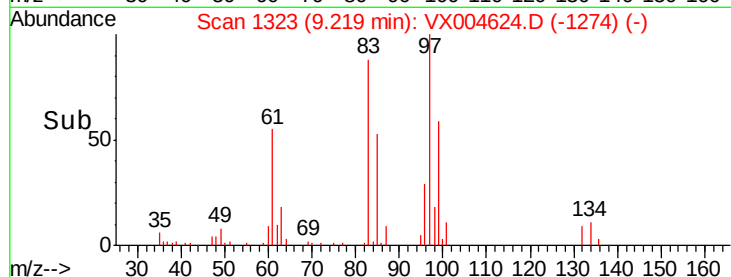
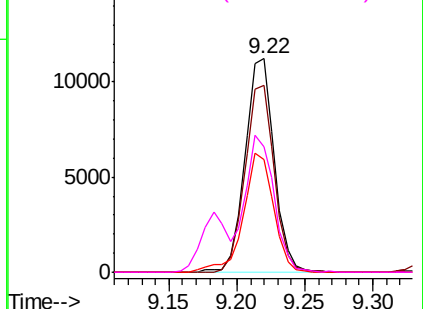
#55
 1,1,2-Trichloroethane
 Concen: 17.24 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	16818
Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.4	99.6
85	52.6	43.3	64.9
99	59.0	49.0	73.4

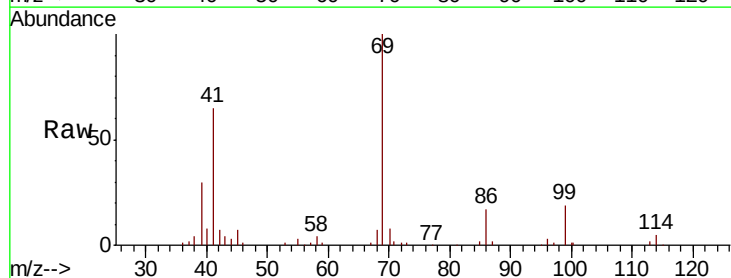


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

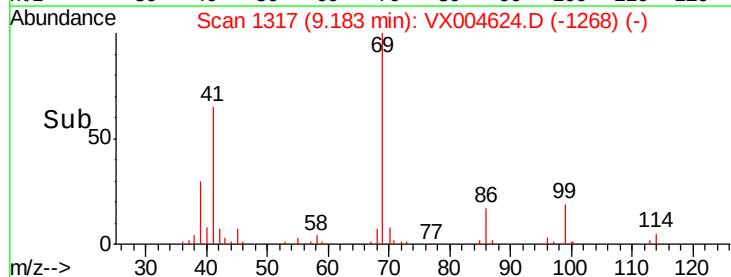
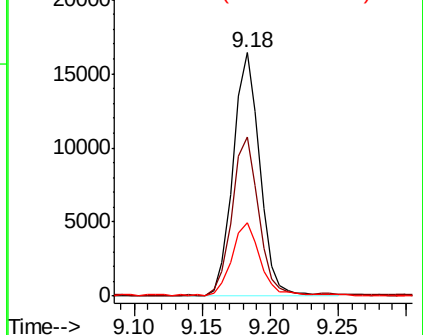


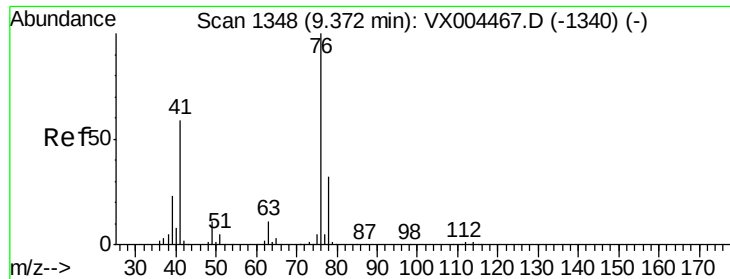
#56
 Ethyl methacrylate
 Concen: 16.39 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion:	69	Resp:	22625
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.0	76.4
39	30.7	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

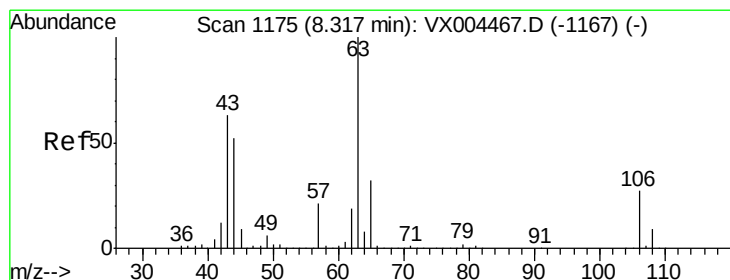
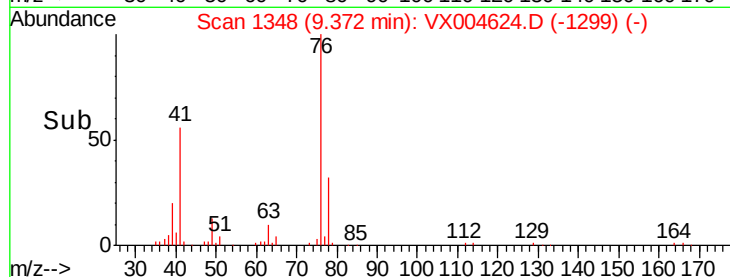
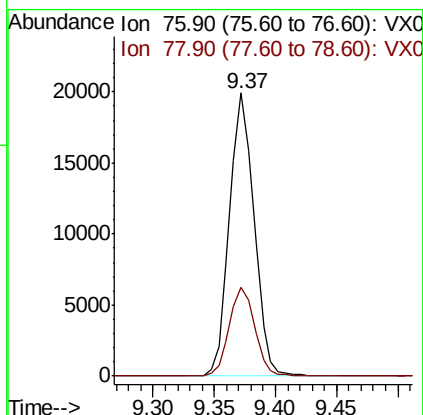
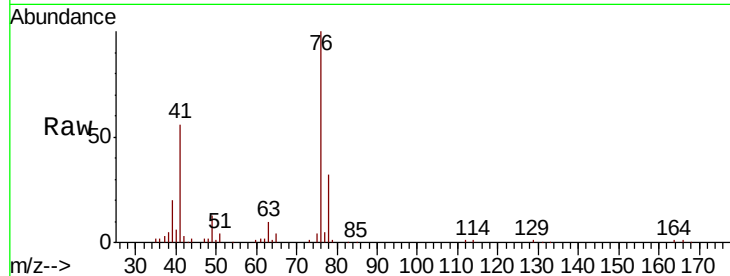




#57
 1,3-Dichloropropane
 Concen: 17.55 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

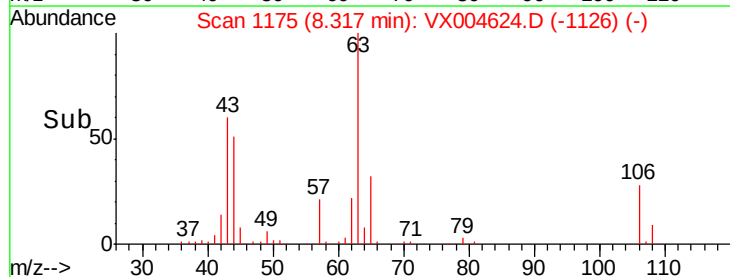
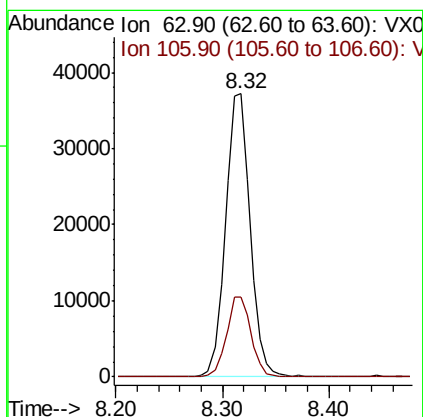
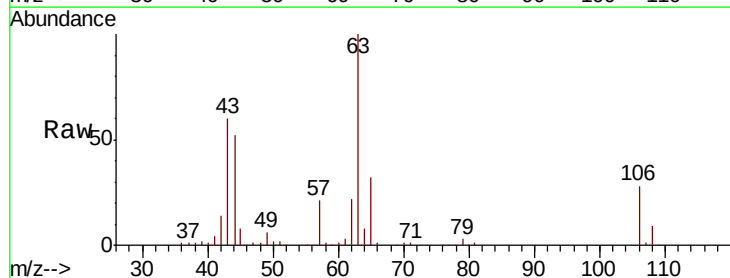
Instrument :
 MSVOA_X
 ClientSampleId :

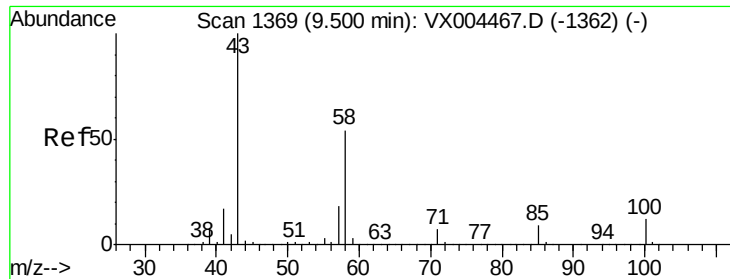
Tot Ion: 76 Resp: 27826
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.34 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 63 Resp: 60177
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.9 35.9

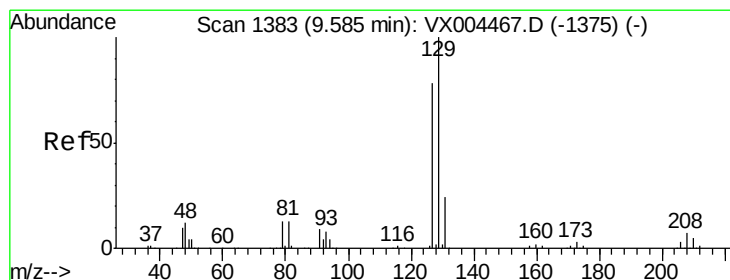
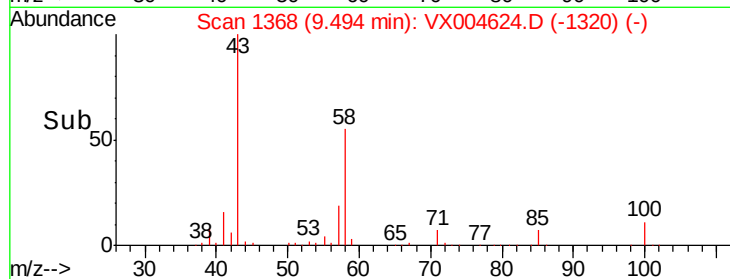
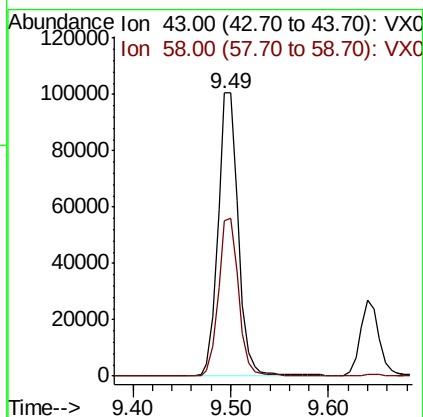
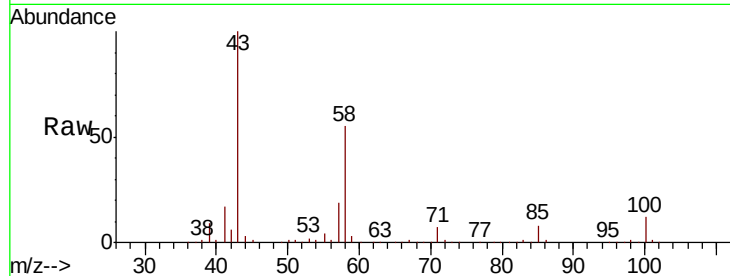




#59
2-Hexanone
Concen: 136.29 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

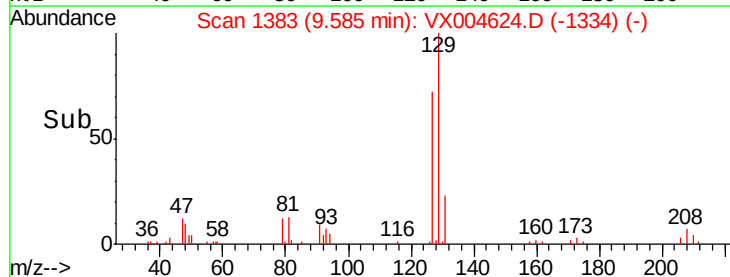
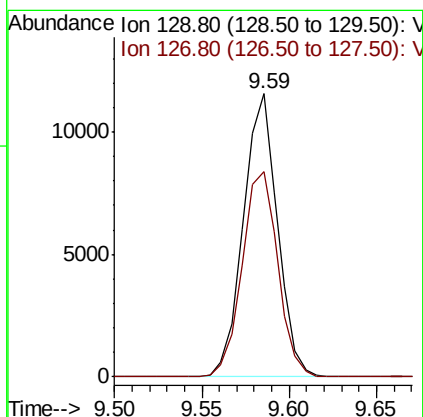
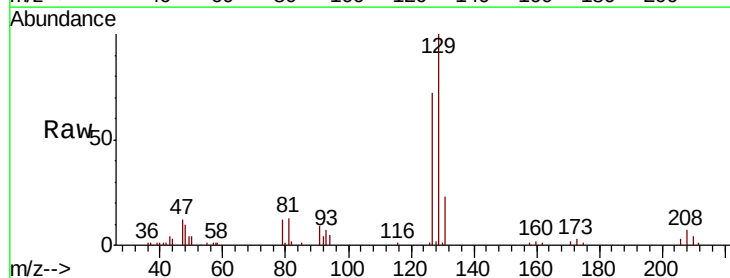
Instrument :
MSVOA_X
ClientSampled :

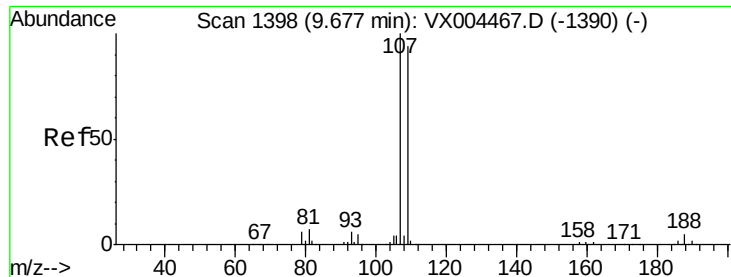
Tot Ion: 43 Resp: 144470
Ion Ratio Lower Upper
43 100
58 55.6 29.0 87.0



#60
Dibromochloromethane
Concen: 17.12 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion:129 Resp: 15725
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5

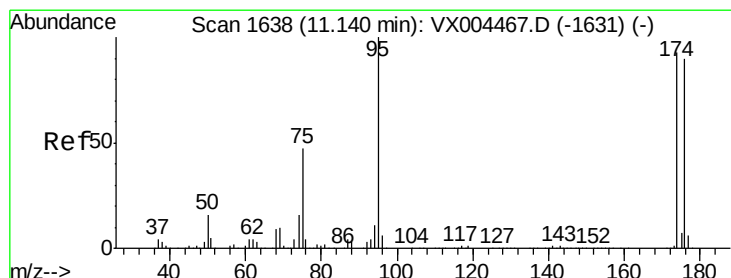
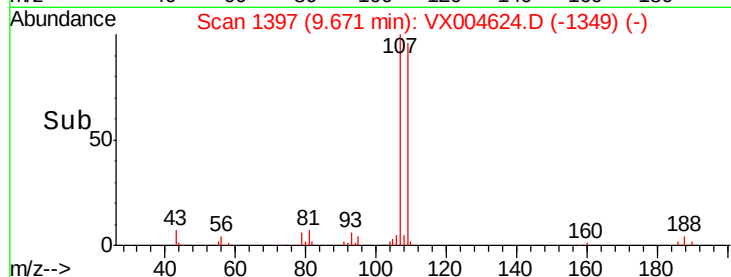
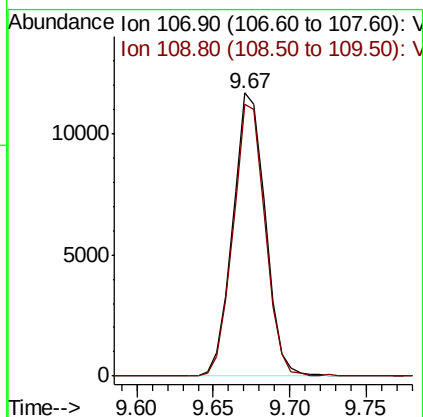
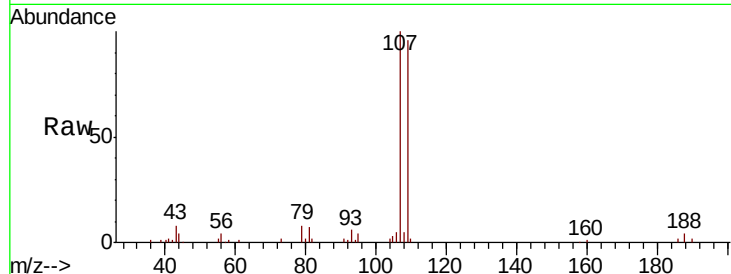




#61
 1,2-Dibromoethane
 Concen: 18.39 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

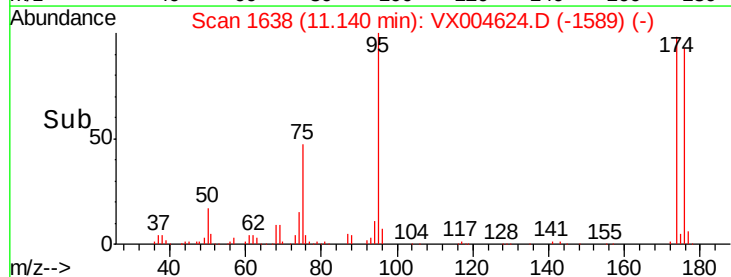
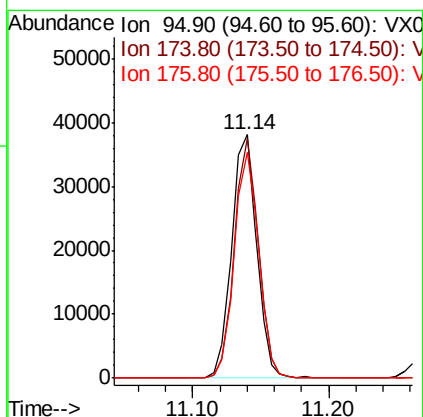
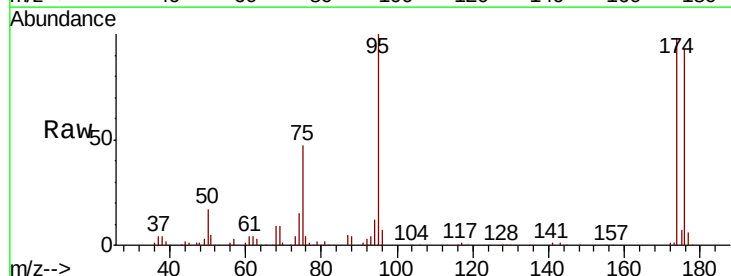
Instrument :
 MSVOA_X
 ClientSampleId :

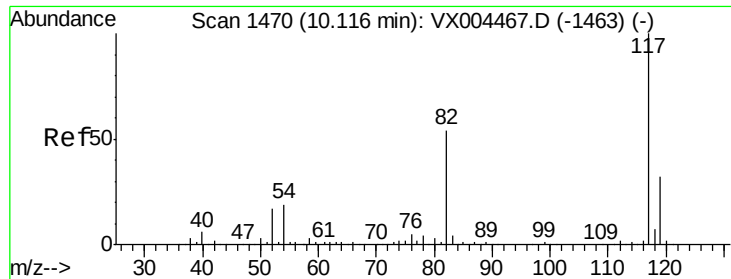
Tot Ion:107 Resp: 17144
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 41.69 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 95 Resp: 48760
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 185.2
 176 91.1 0.0 178.6

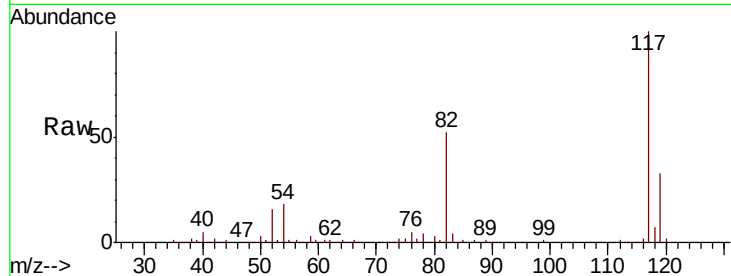




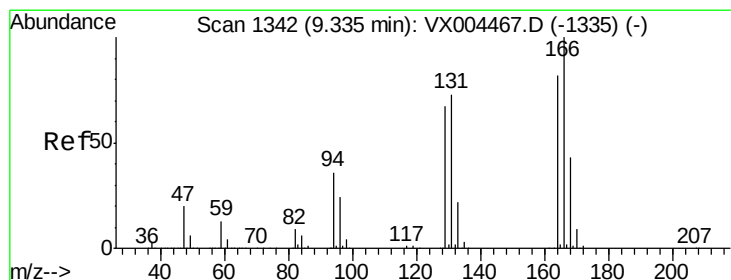
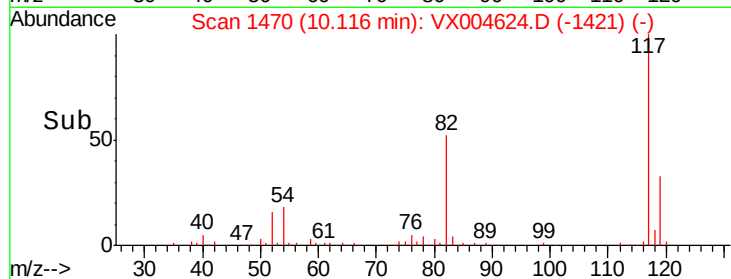
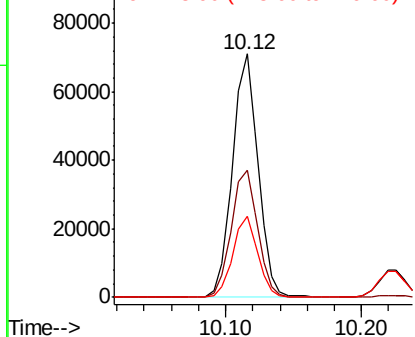
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 92958
Ion Ratio Lower Upper
117 100
82 52.3 47.8 71.6
119 33.1 29.3 43.9

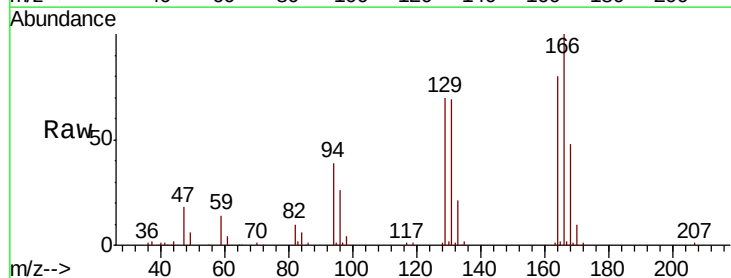


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

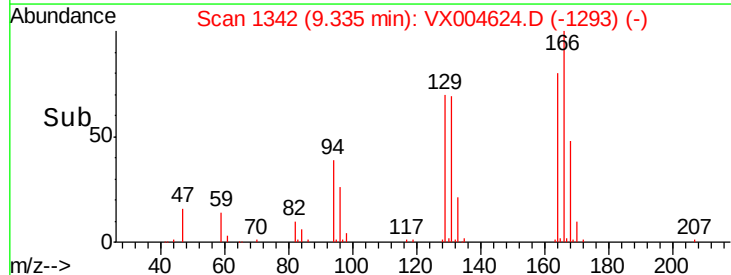
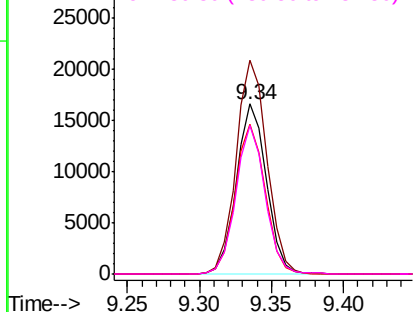


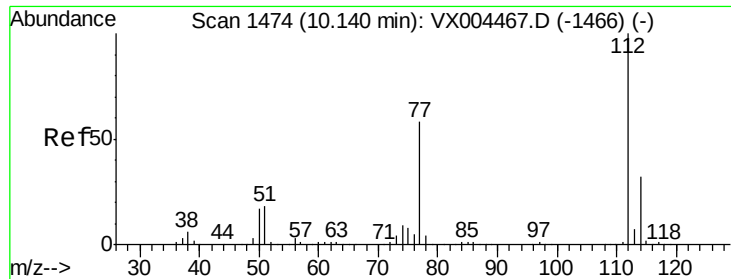
#64
Tetrachloroethene
Concen: 20.80 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion:164 Resp: 24140
Ion Ratio Lower Upper
164 100
166 125.6 102.8 154.2
129 88.2 69.4 104.0
131 87.1 67.9 101.9



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

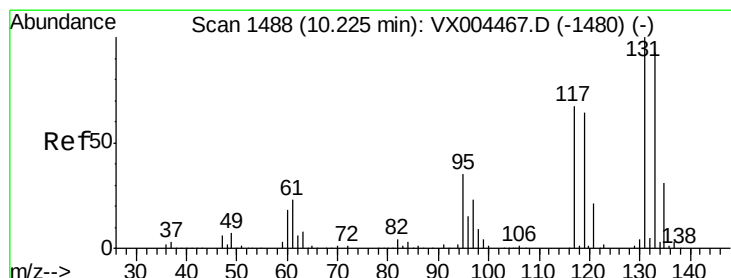
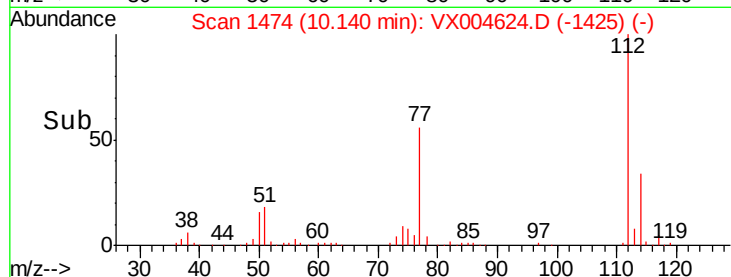
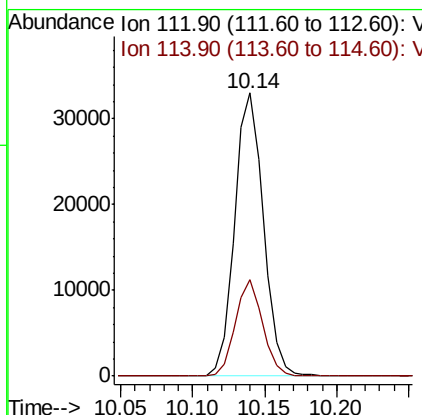
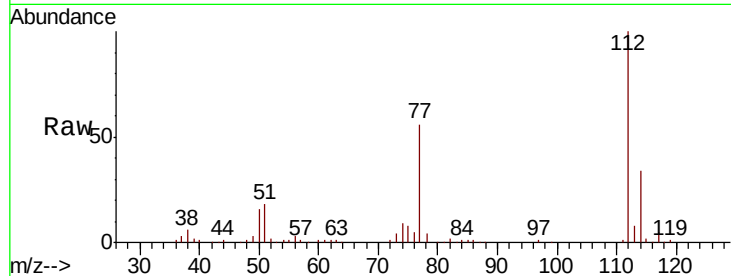




#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

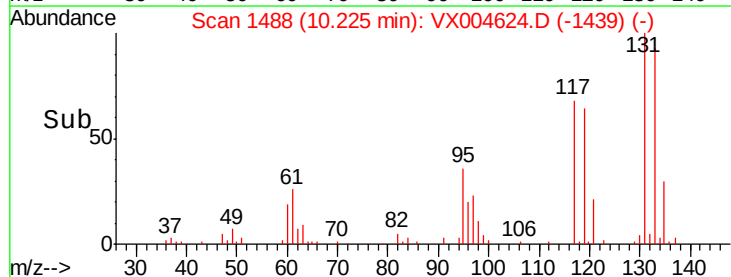
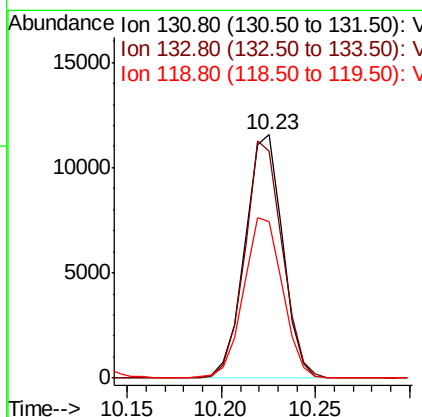
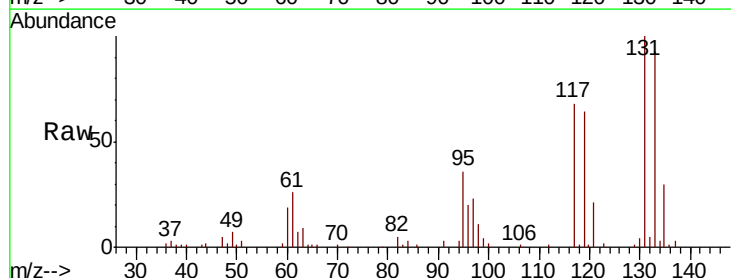
Instrument :
MSVOA_X
ClientSampleId :

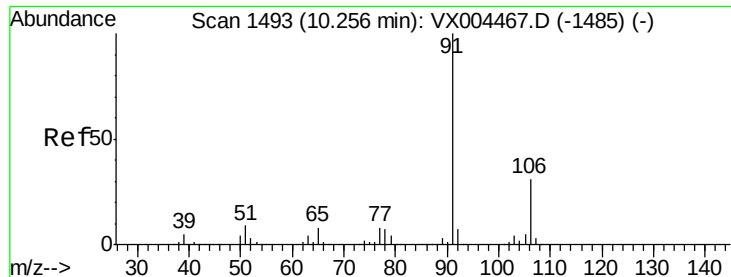
Tot Ion:112 Resp: 46047
Ion Ratio Lower Upper
112 100
114 34.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.02 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion:131 Resp: 15945
Ion Ratio Lower Upper
131 100
133 97.0 48.1 144.4
119 68.2 32.9 98.6





#67

Ethyl Benzene

Concen: 20.73 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

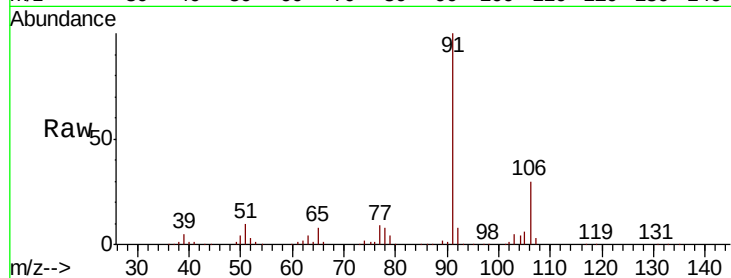
ClientSampled :

Tot Ion: 91 Resp: 77831

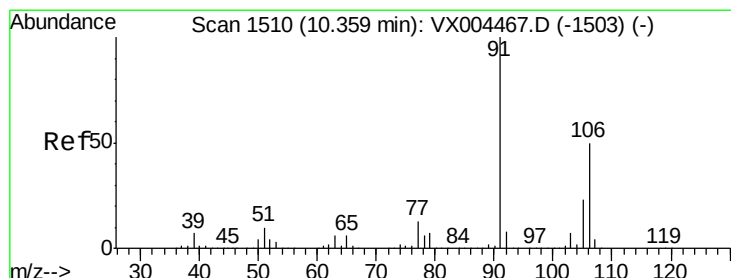
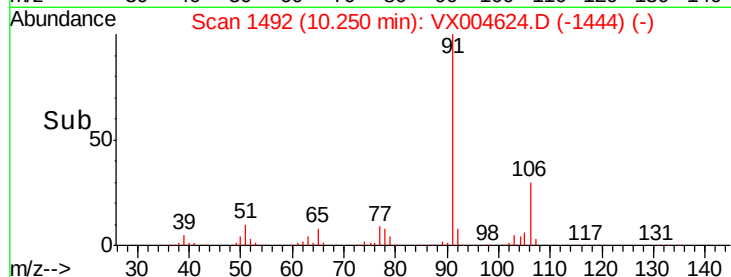
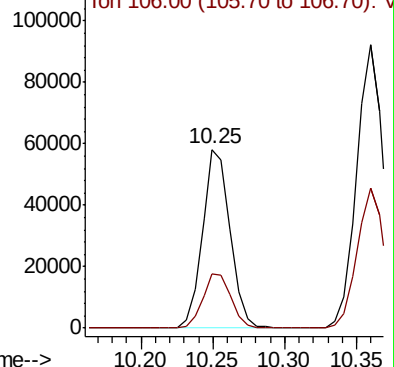
Ion Ratio Lower Upper

91 100

106 30.5 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)



#68

m/p-Xylenes

Concen: 41.38 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004624.D

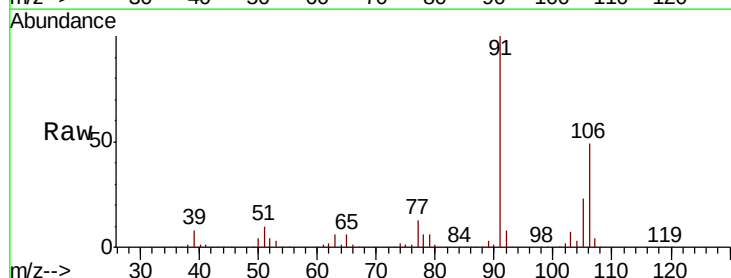
Acq: 17 Sep 2018 17:45

Tgt Ion: 106 Resp: 59843

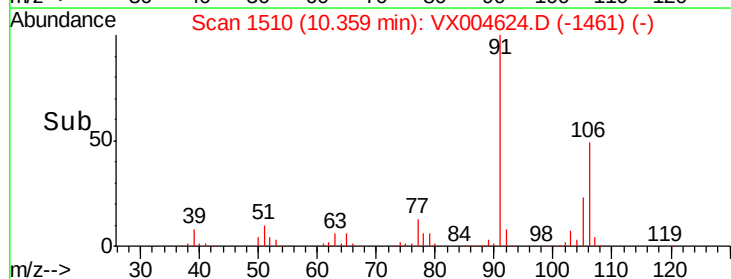
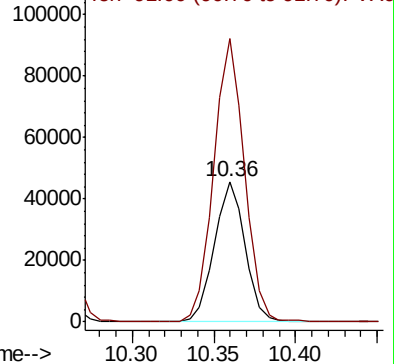
Ion Ratio Lower Upper

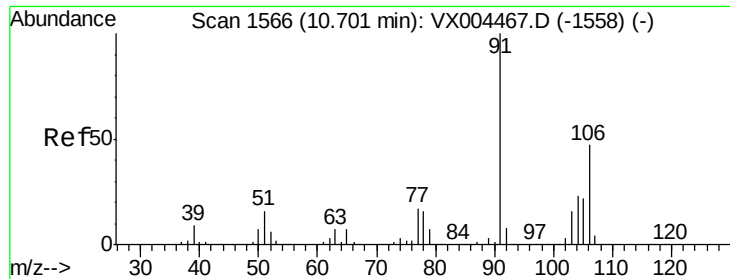
106 100

91 202.3 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004467.D (-1503) (-)

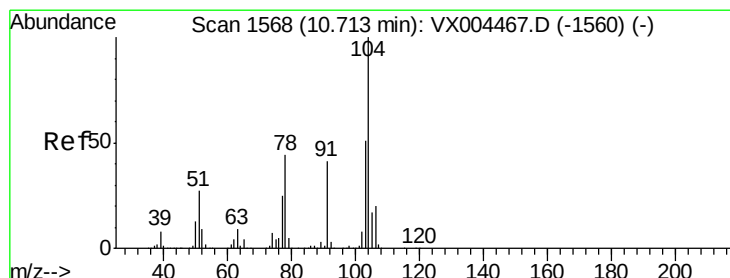
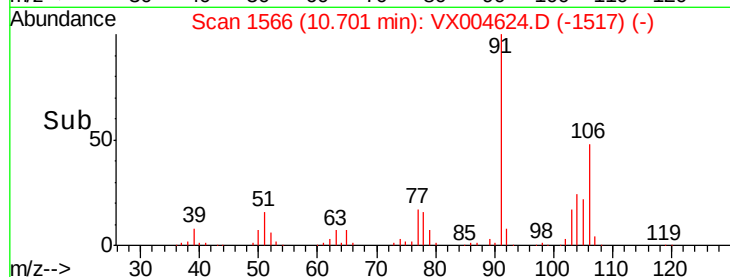
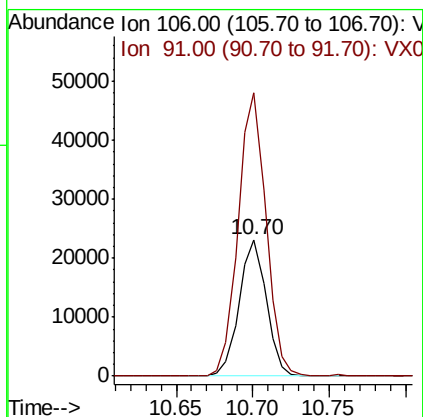
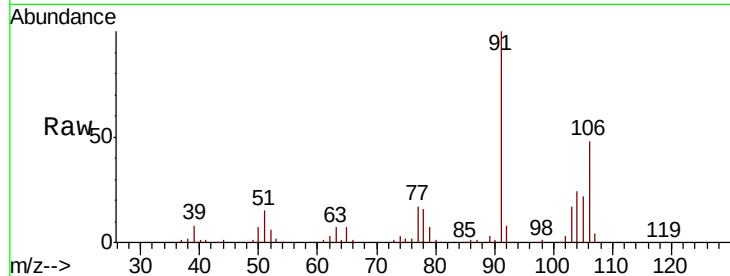




#69
o-Xylene
Concen: 20.58 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

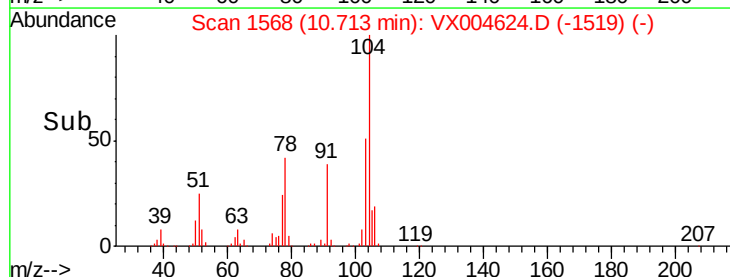
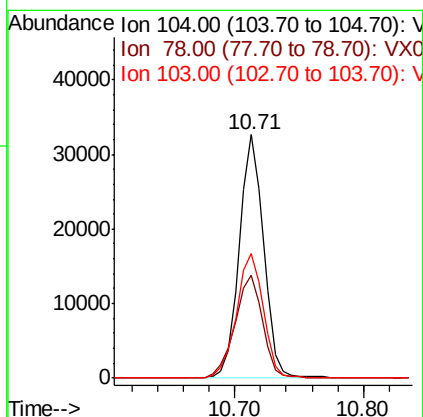
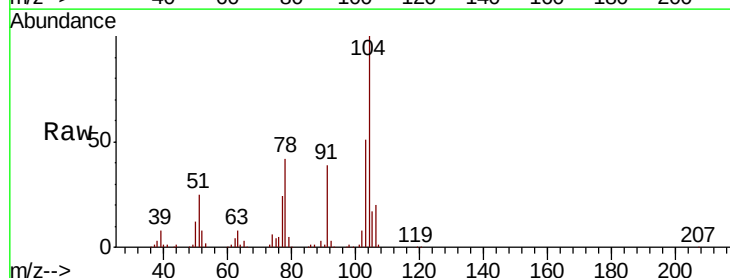
Instrument :
MSVOA_X
ClientSampled :

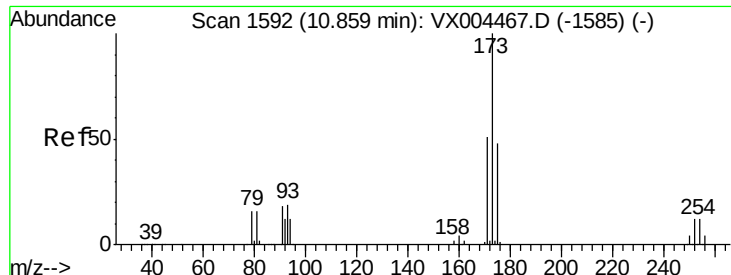
Tot Ion:106 Resp: 28616
Ion Ratio Lower Upper
106 100
91 212.6 105.1 315.1



#70
Styrene
Concen: 18.54 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion:104 Resp: 42707
Ion Ratio Lower Upper
104 100
78 48.3 37.4 56.0
103 57.0 43.8 65.6





#71

Bromoform

Concen: 19.01 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

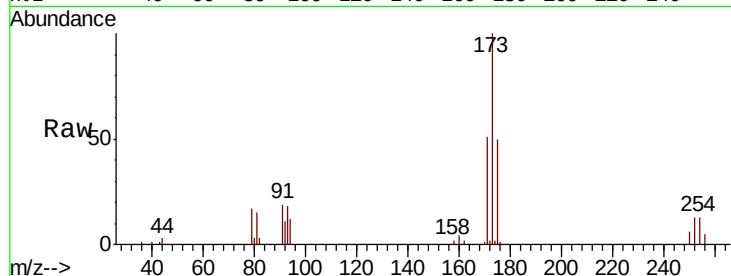
Tot Ion:173 Resp: 12428

Ion Ratio Lower Upper

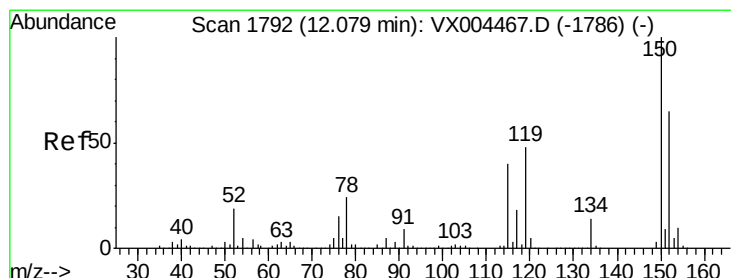
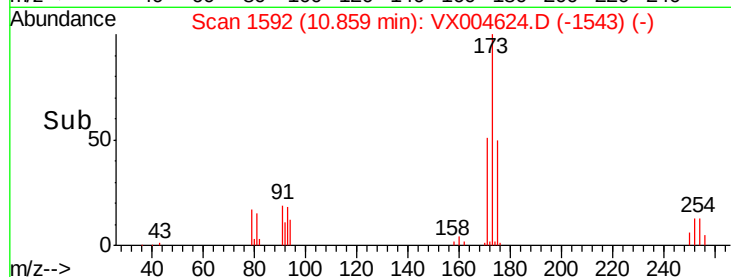
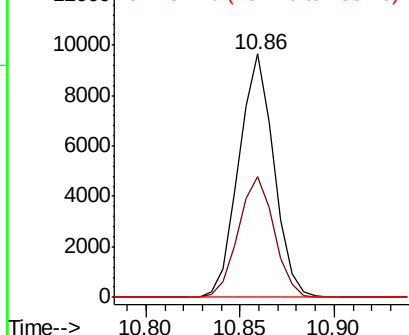
173 100

175 50.4 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

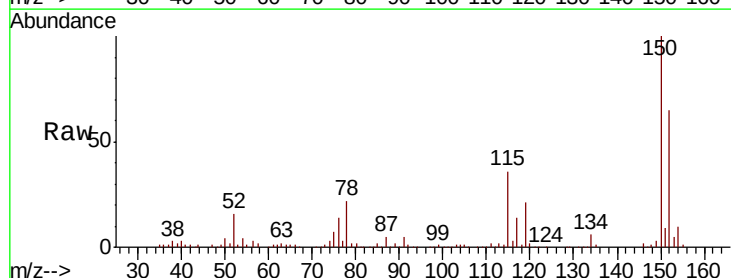
Tgt Ion:152 Resp: 48851

Ion Ratio Lower Upper

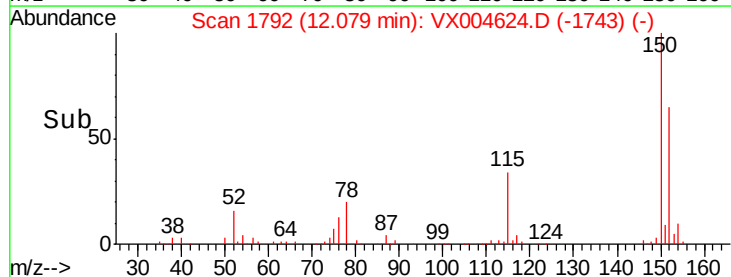
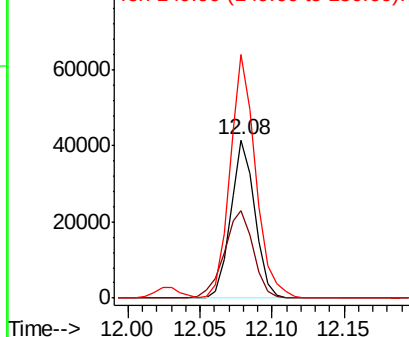
152 100

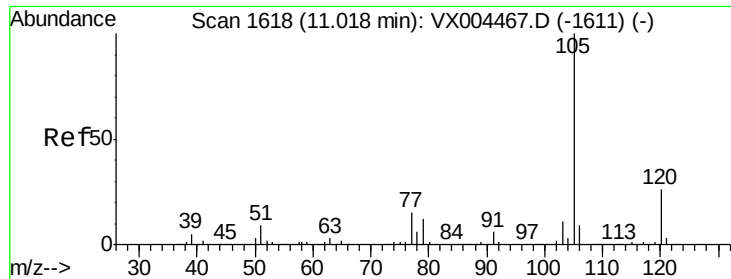
115 66.6 39.0 117.0

150 162.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 26.15 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

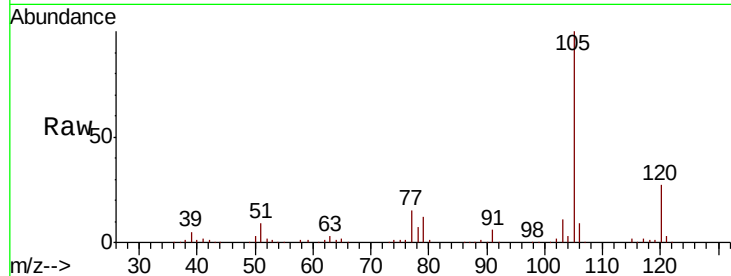
ClientSampleId :

Tot Ion:105 Resp: 84120

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

60000

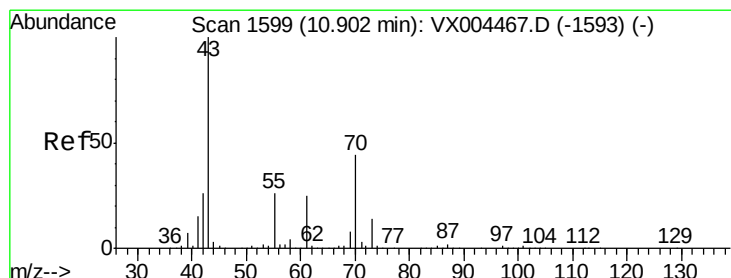
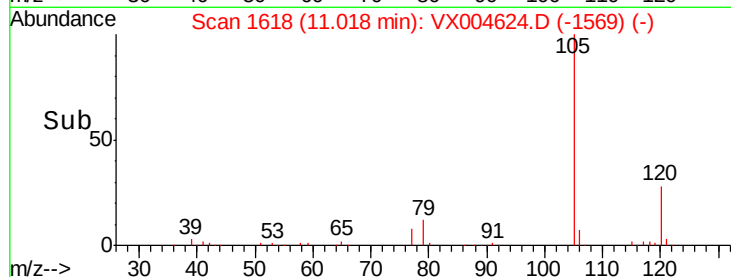
40000

20000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 20.96 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion: 43 Resp: 28390

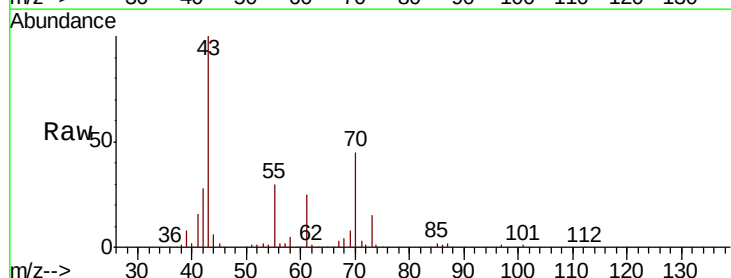
Ion Ratio Lower Upper

43 100

70 43.9 37.4 56.0

55 28.4 21.8 32.8

61 23.5 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

30000

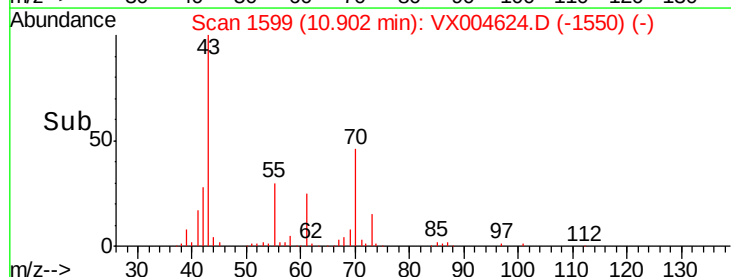
20000

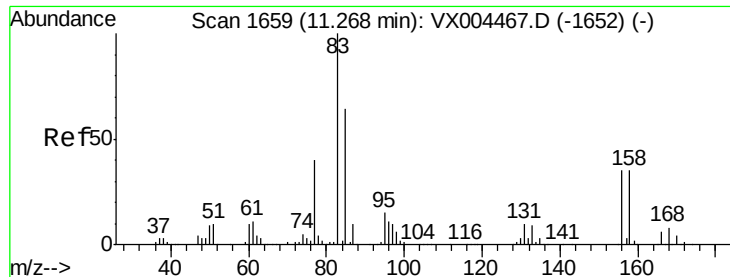
10000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 25.53 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

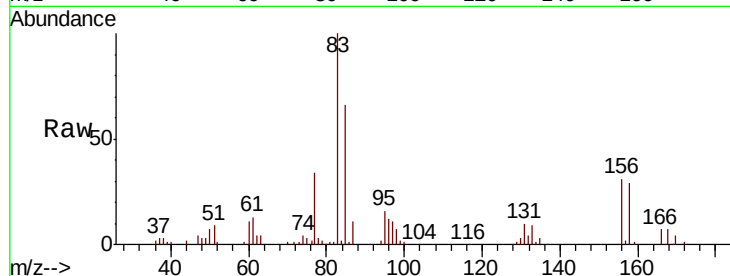
Tot Ion: 83 Resp: 26497

Ion Ratio Lower Upper

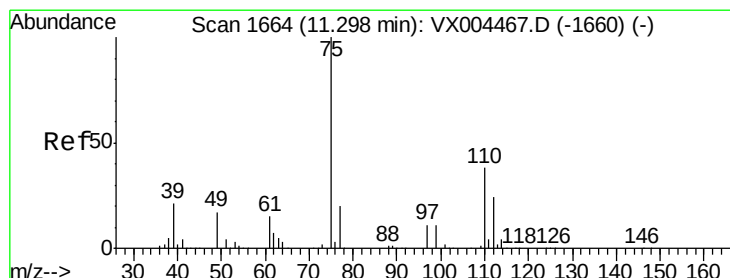
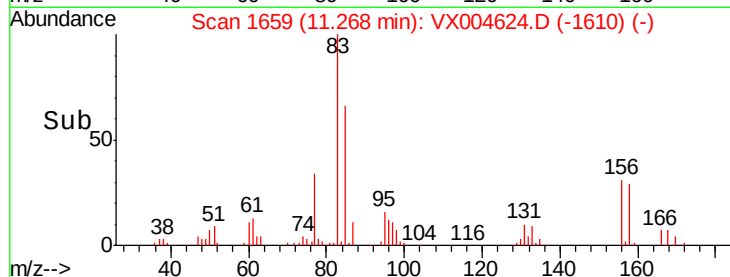
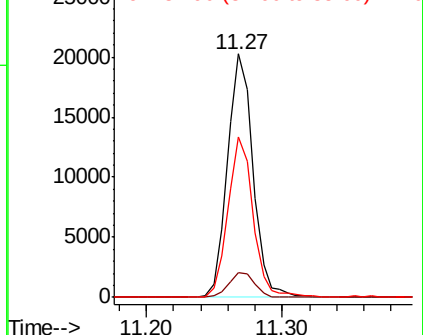
83 100

131 10.2 5.2 15.6

85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 33.69 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004624.D

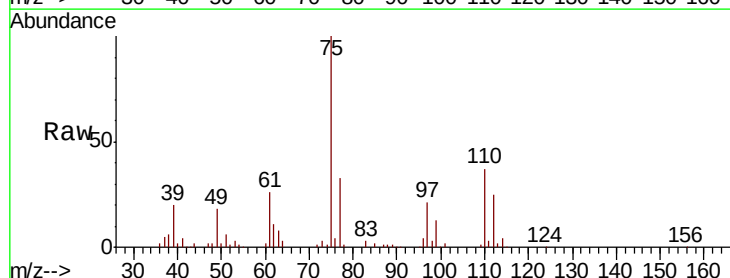
Acq: 17 Sep 2018 17:45

Tgt Ion: 75 Resp: 33115

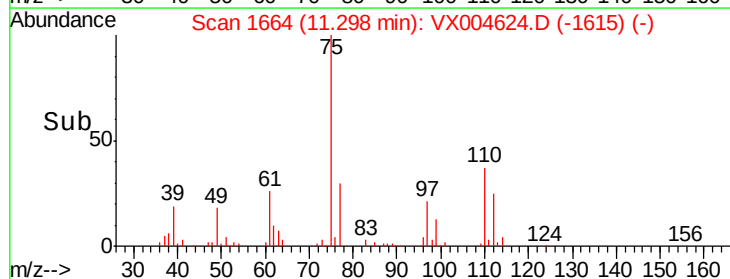
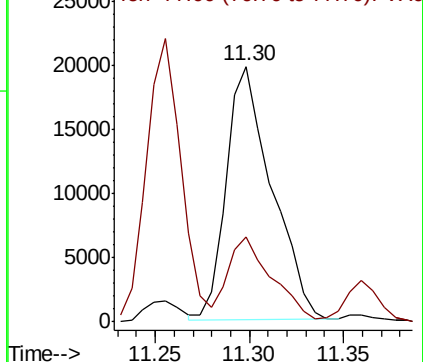
Ion Ratio Lower Upper

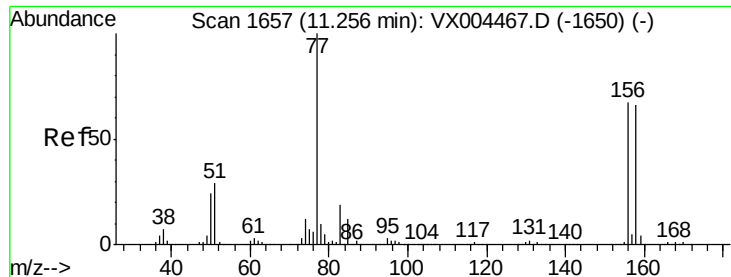
75 100

77 32.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.80 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

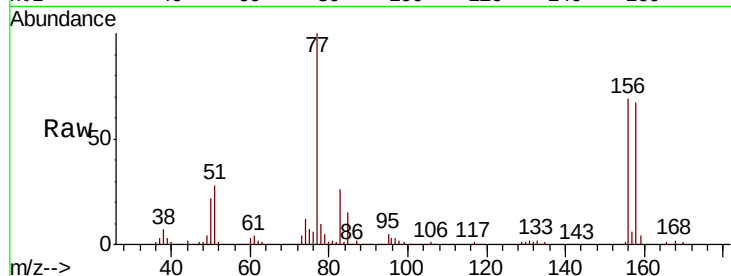
Tot Ion:156 Resp: 19386

Ion Ratio Lower Upper

156 100

77 148.4 71.5 214.3

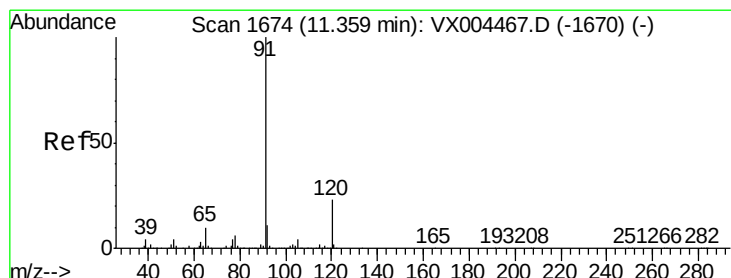
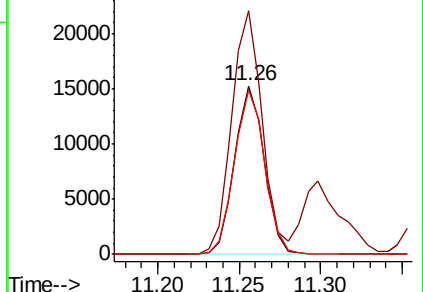
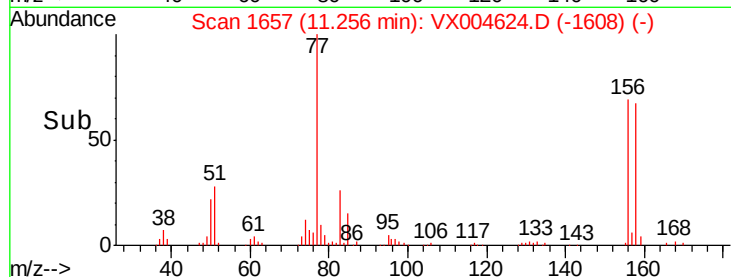
158 99.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 25.46 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004624.D

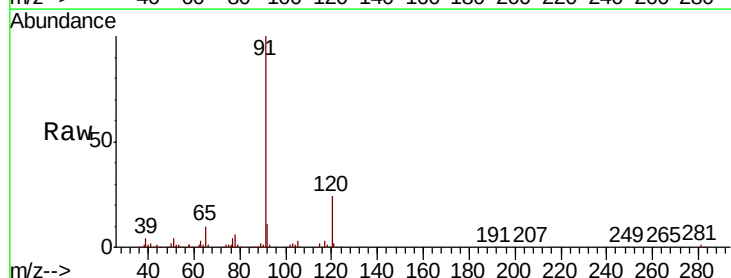
Acq: 17 Sep 2018 17:45

Tgt Ion: 91 Resp: 94197

Ion Ratio Lower Upper

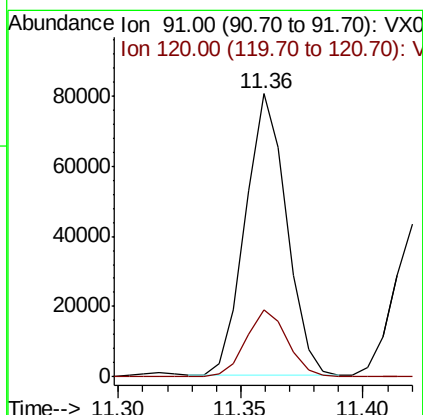
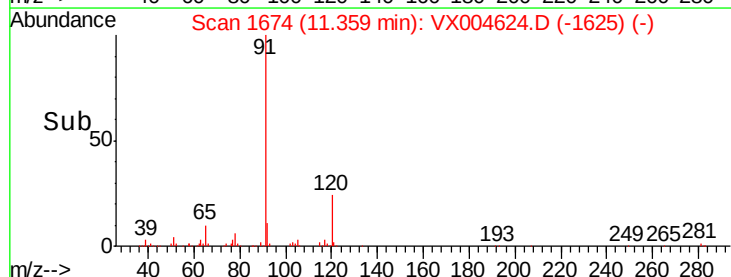
91 100

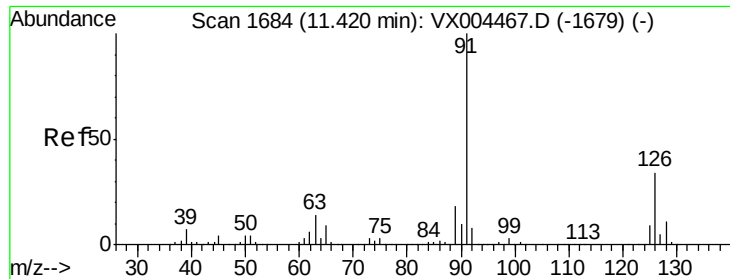
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.84 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

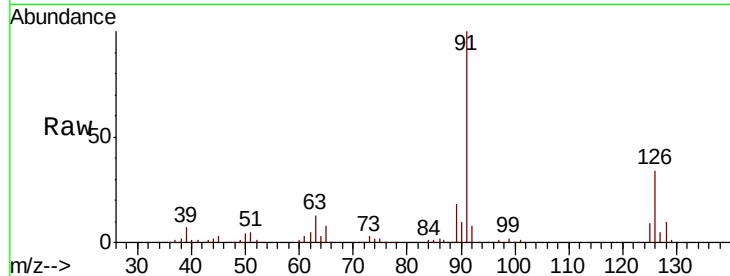
ClientSampleId :

Tot Ion: 91 Resp: 53488

Ion Ratio Lower Upper

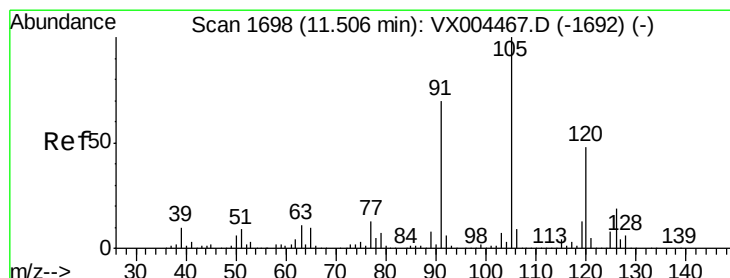
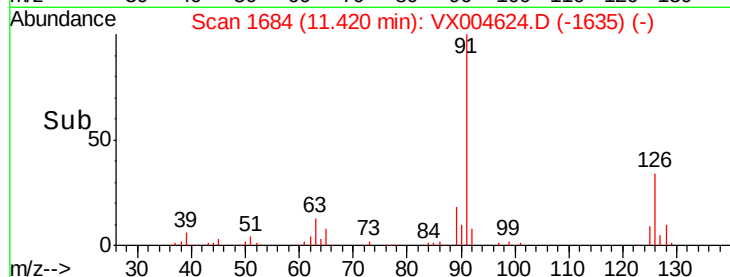
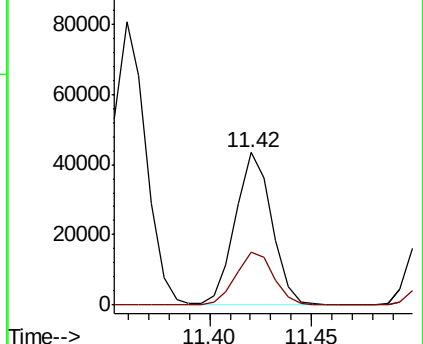
91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 24.56 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004624.D

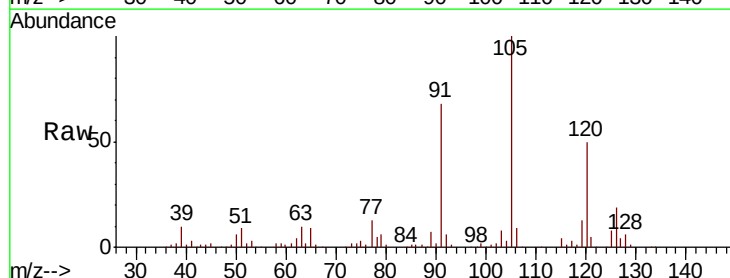
Acq: 17 Sep 2018 17:45

Tgt Ion:105 Resp: 66423

Ion Ratio Lower Upper

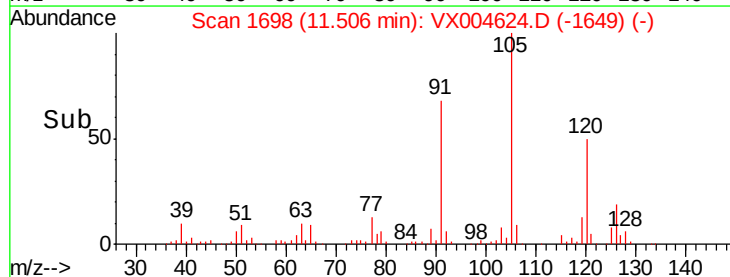
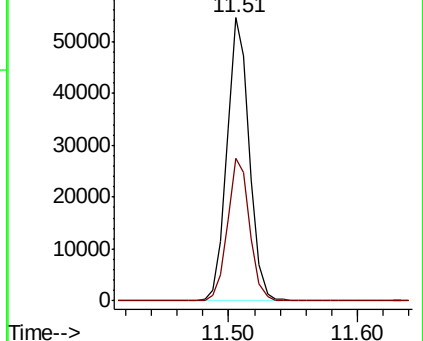
105 100

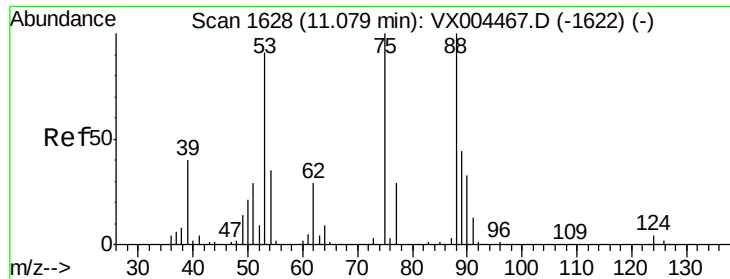
120 49.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 24.62 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampled :

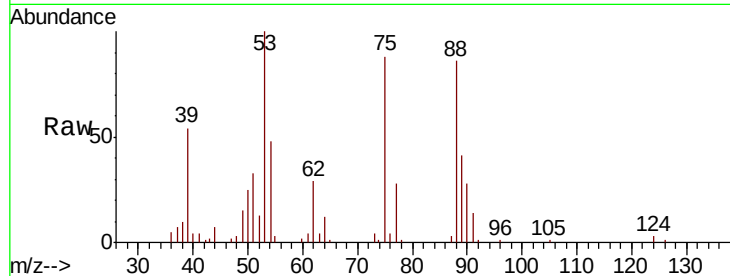
Tot Ion: 75 Resp: 7590

Ion Ratio Lower Upper

75 100

53 106.1 80.1 120.1

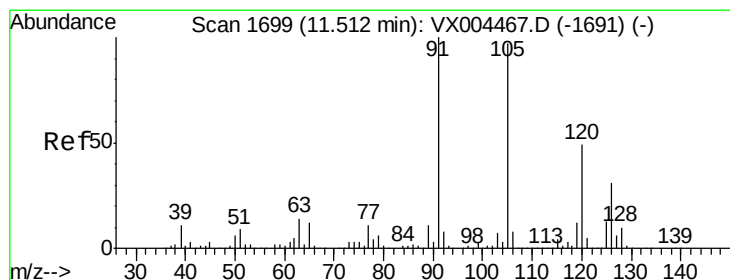
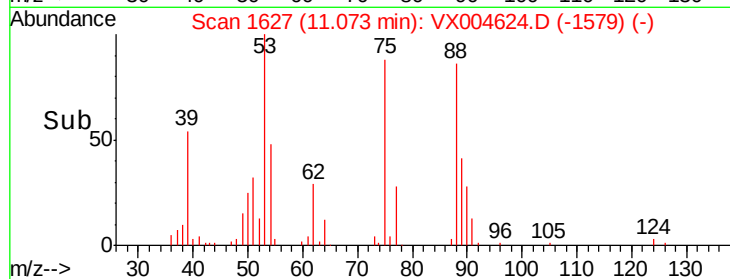
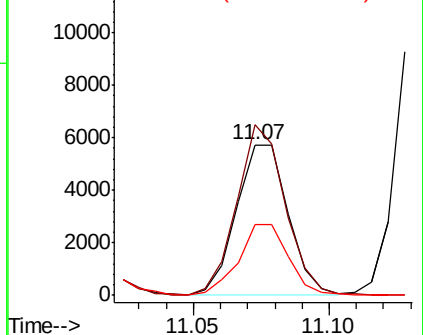
89 45.0 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.87 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004624.D

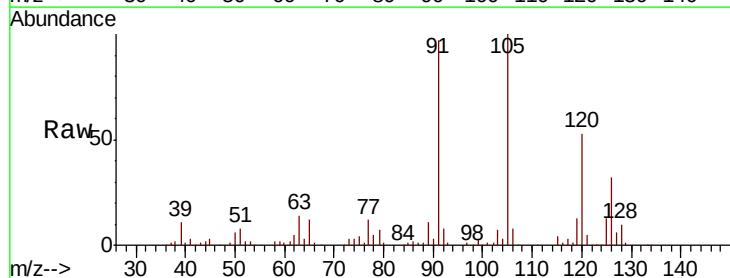
Acq: 17 Sep 2018 17:45

Tgt Ion: 91 Resp: 57256

Ion Ratio Lower Upper

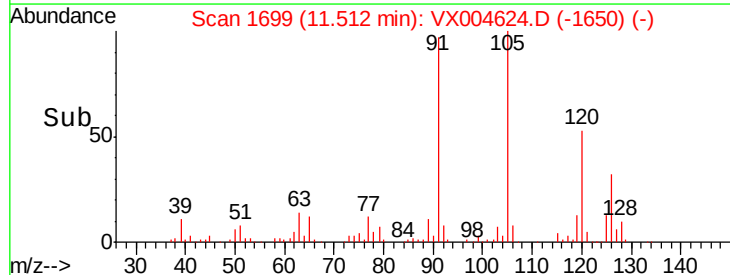
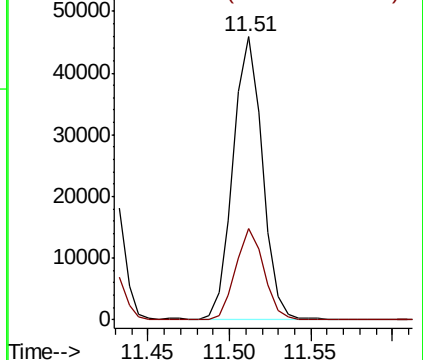
91 100

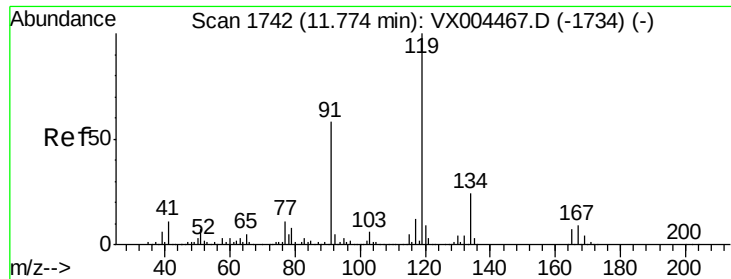
126 31.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

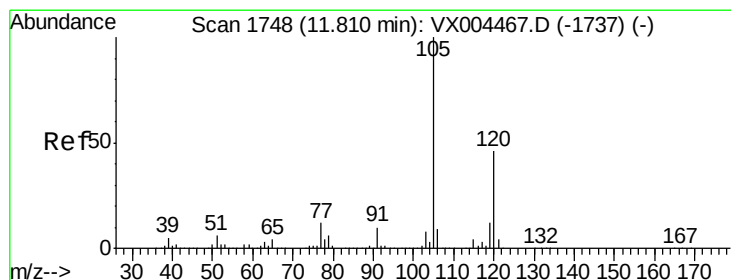
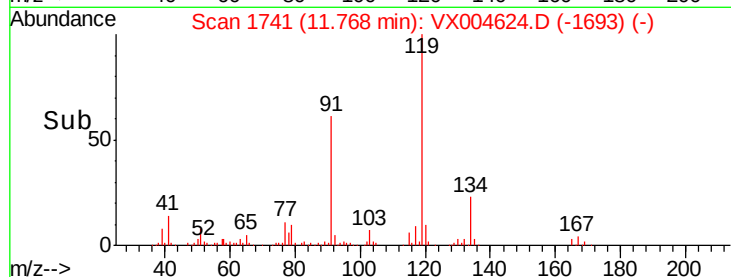
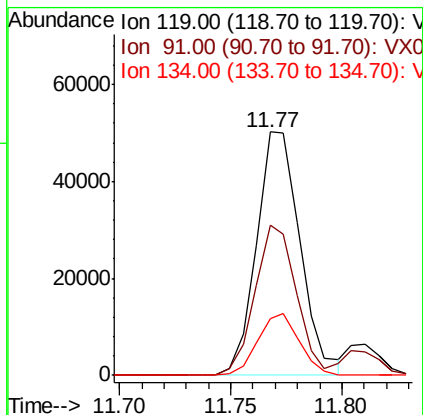
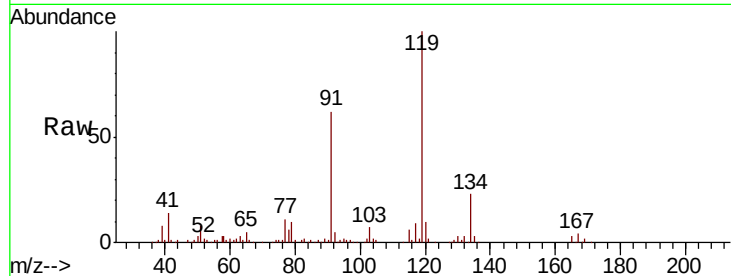




#83
 tert-Butylbenzene
 Concen: 26.68 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

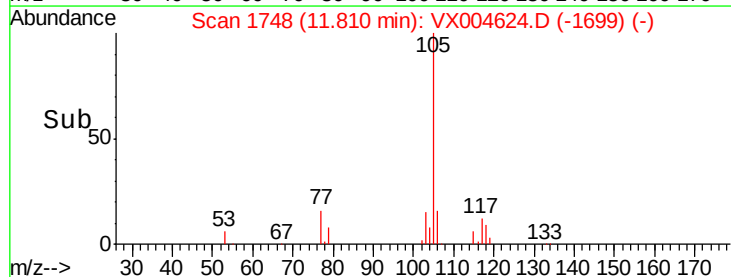
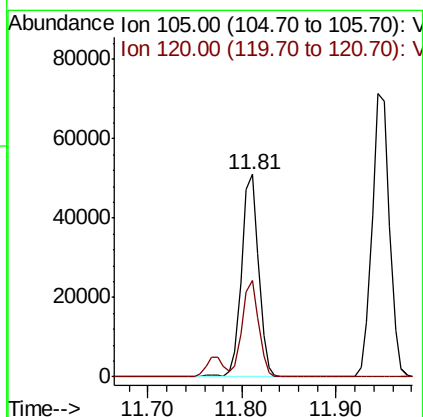
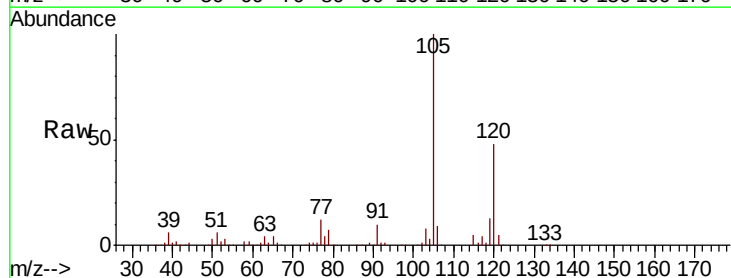
Instrument :
 MSVOA_X
 ClientSampleId :

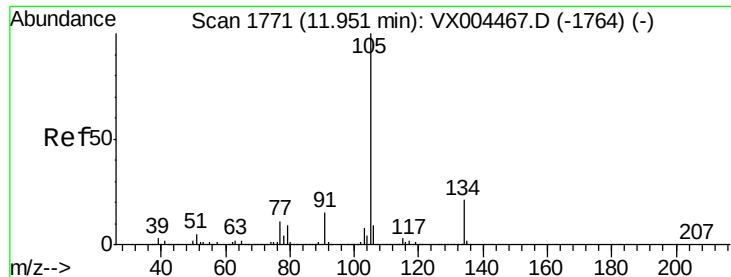
Tot Ion:119 Resp: 68688
 Ion Ratio Lower Upper
 119 100
 91 58.2 27.0 81.0
 134 24.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.41 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion:105 Resp: 64651
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 27.98 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

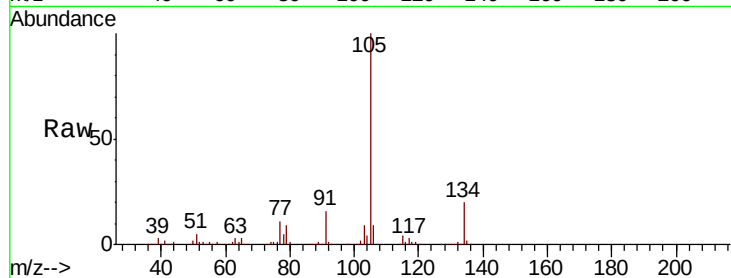
ClientSampleId :

Tot Ion:105 Resp: 91794

Ion Ratio Lower Upper

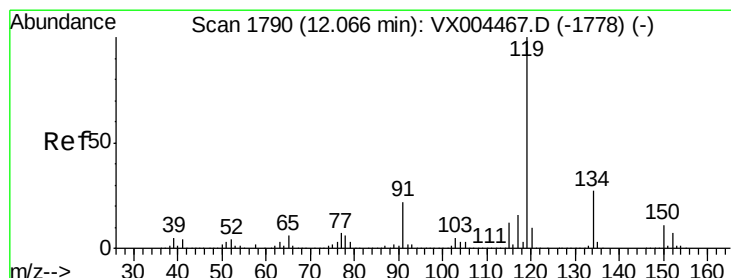
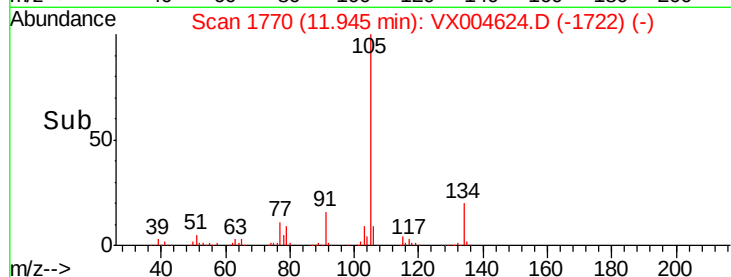
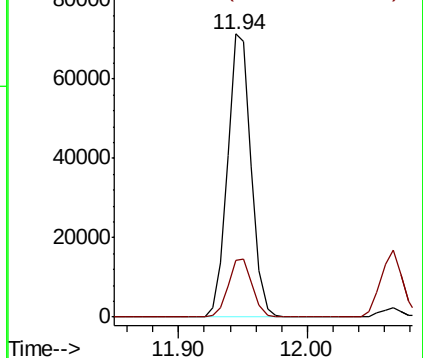
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.96 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

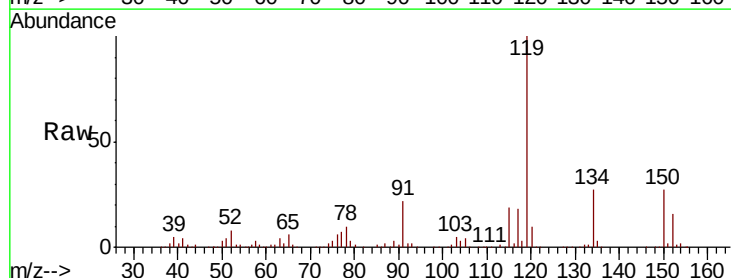
Tgt Ion:119 Resp: 75222

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

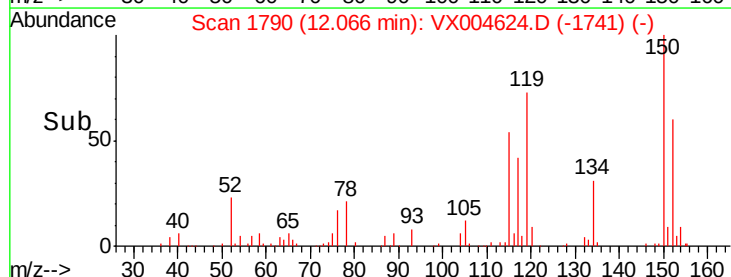
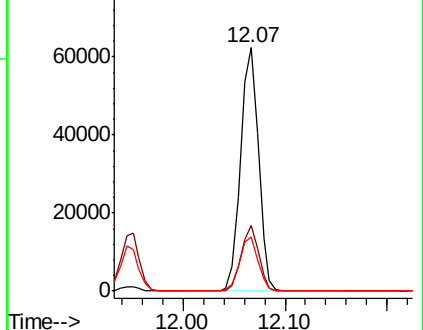
91 22.9 10.9 32.7

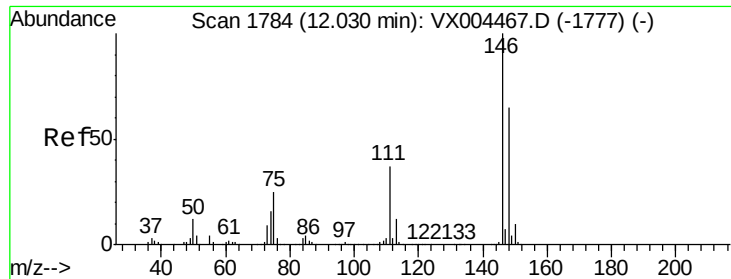


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

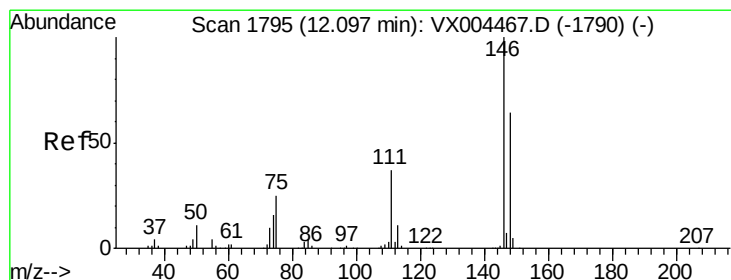
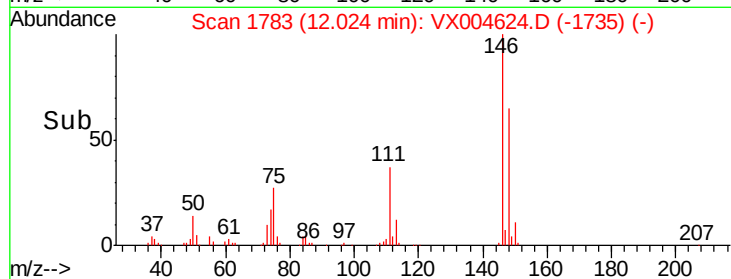
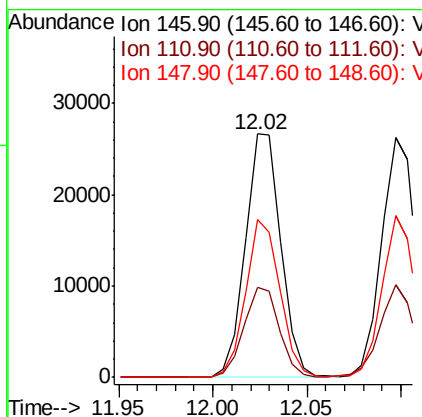
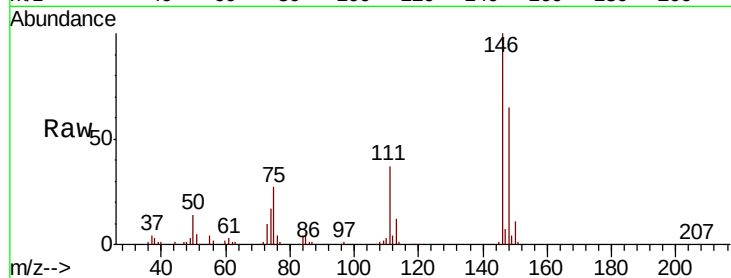




#87
 1,3-Dichlorobenzene
 Concen: 21.07 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

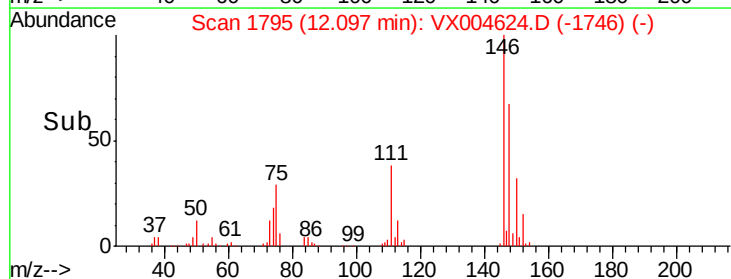
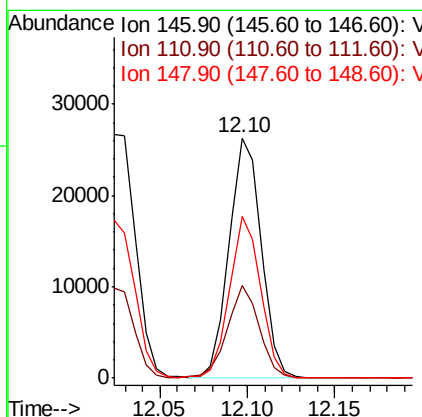
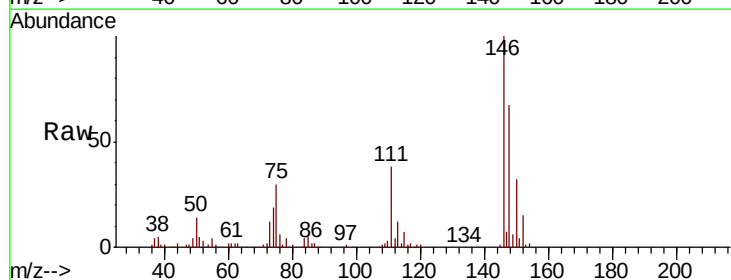
Instrument :
 MSVOA_X
 ClientSampleId :

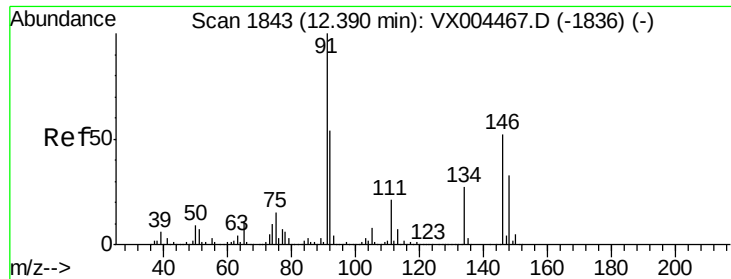
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	62.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	65.3	32.0	96.0





#89

n-Butylbenzene

Concen: 23.82 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

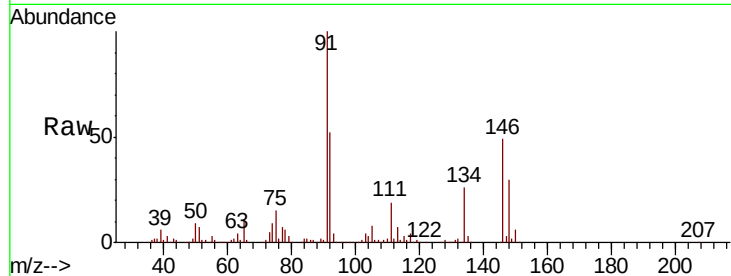
Tot Ion: 91 Resp: 62908

Ion Ratio Lower Upper

91 100

92 51.9 27.3 81.9

134 26.5 13.6 40.7

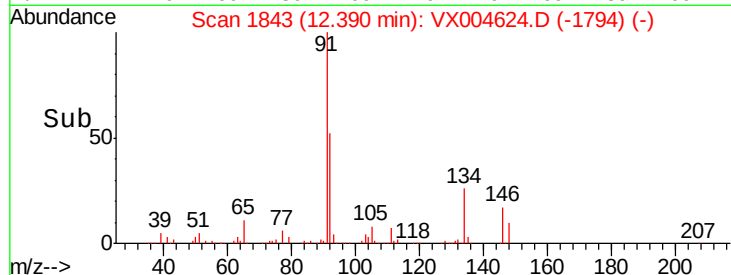


Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004467.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004467.D (-1836) (-)

Time-->



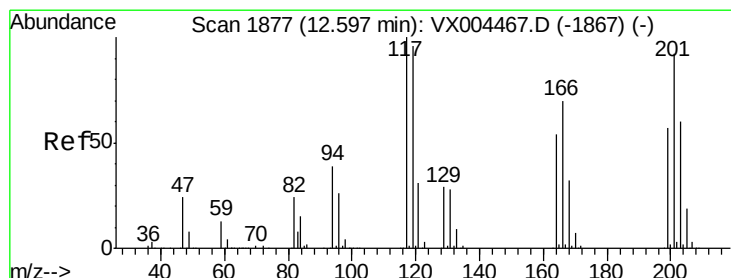
Abundance

Ion 91.00 (90.70 to 91.70): VX004624.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX004624.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX004624.D (-1794) (-)

Time-->



#90

Hexachloroethane

Concen: 25.17 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX004624.D

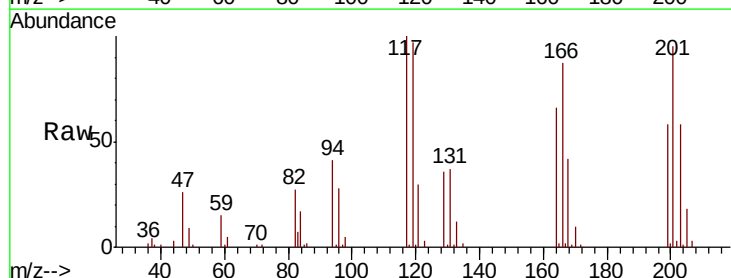
Acq: 17 Sep 2018 17:45

Tgt Ion: 117 Resp: 11677

Ion Ratio Lower Upper

117 100

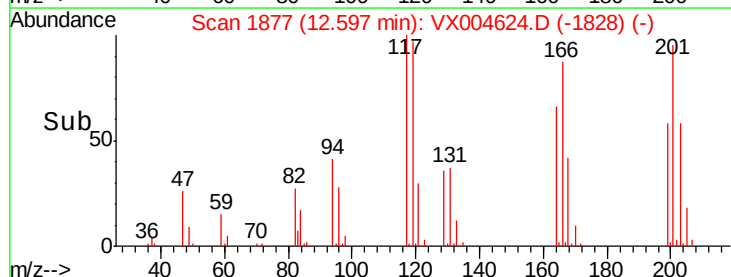
201 98.6 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX004467.D (-1867) (-)

Ion 200.70 (200.40 to 201.40): VX004467.D (-1867) (-)

Time-->

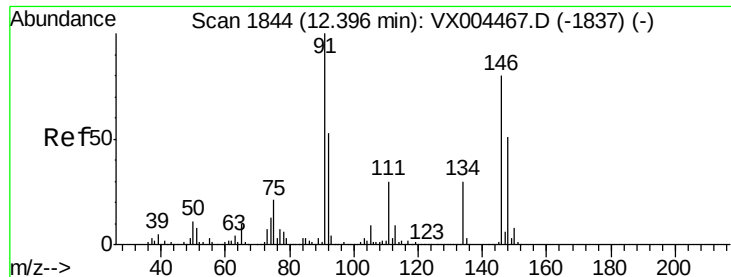


Abundance

Ion 116.80 (116.50 to 117.50): VX004624.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX004624.D (-1828) (-)

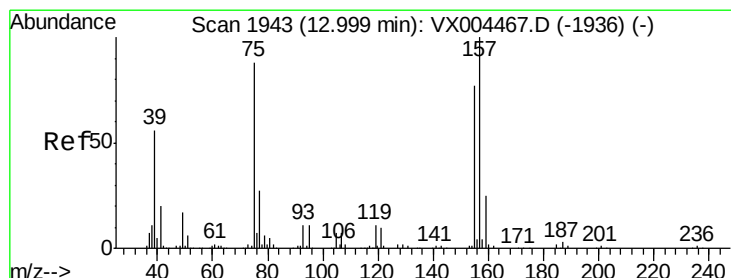
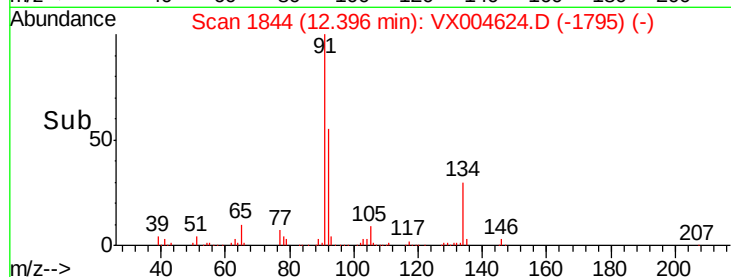
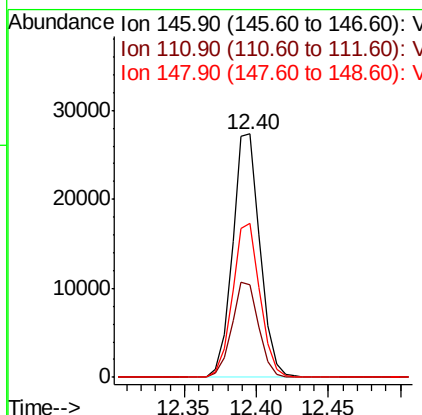
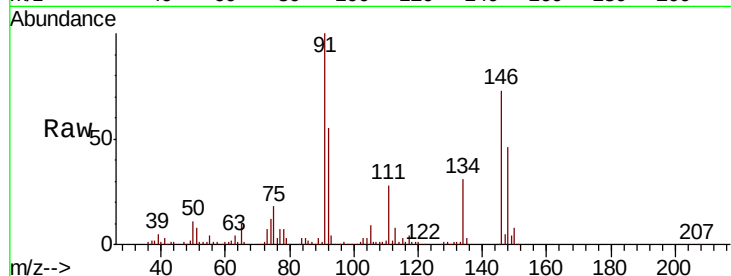
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 21.67 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

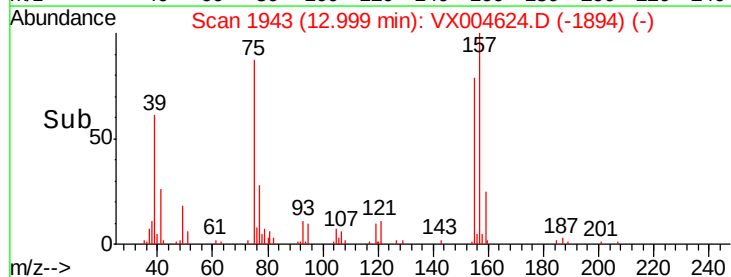
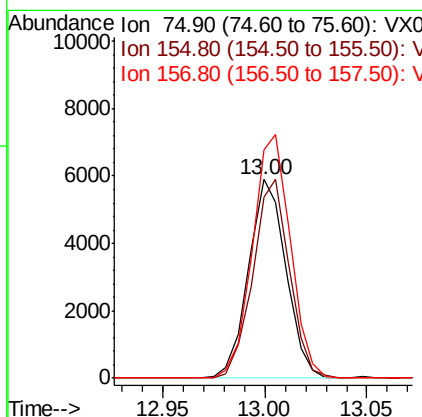
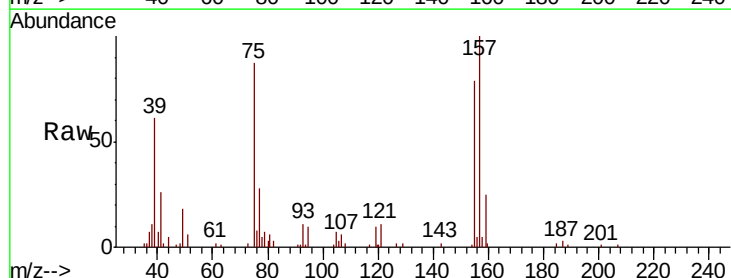
Instrument :
 MSVOA_X
 ClientSampleId :

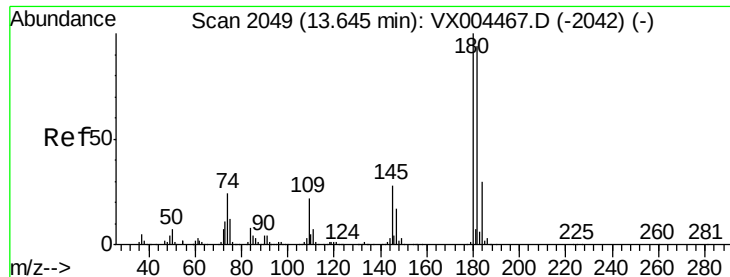
Tot Ion:146 Resp: 36387
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 63.2 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 33.98 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 75 Resp: 7529
 Ion Ratio Lower Upper
 75 100
 155 97.4 48.0 144.2
 157 124.3 61.4 184.1

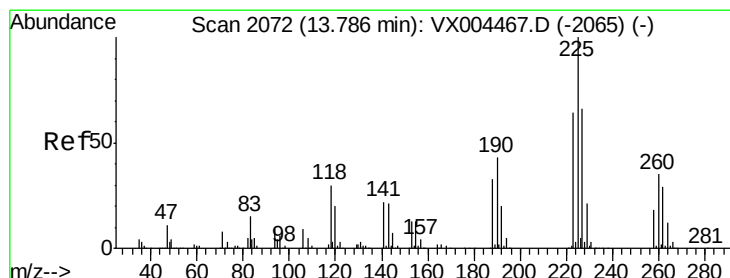
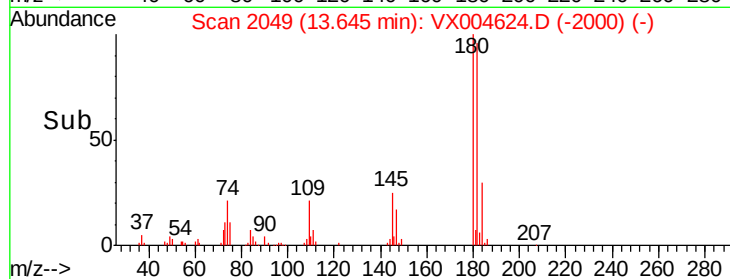
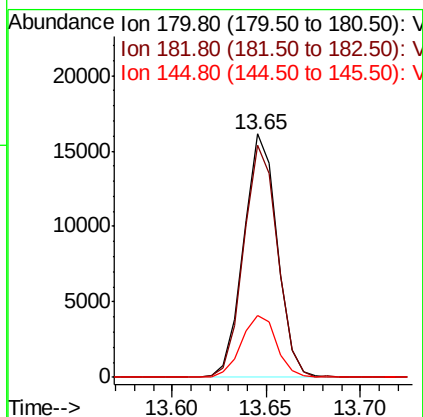
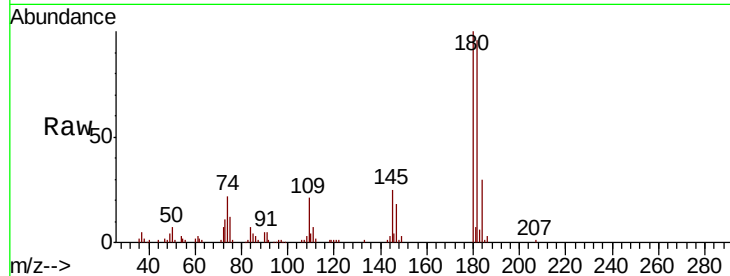




#93
 1,2,4-Trichlorobenzene
 Concen: 16.77 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

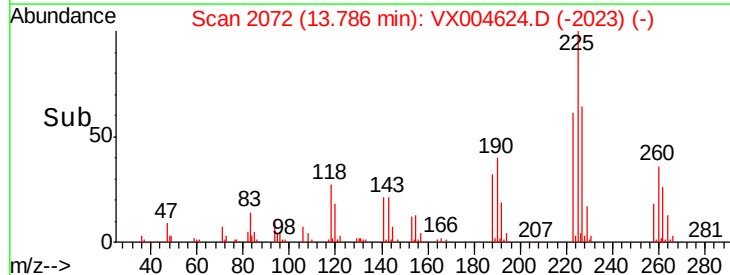
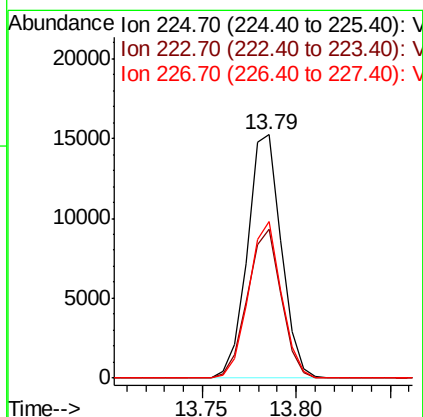
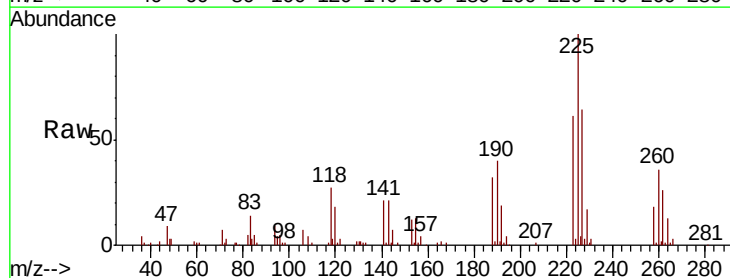
Instrument :
 MSVOA_X
 ClientSampleId :

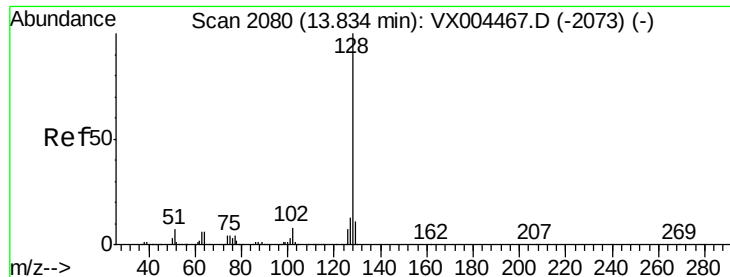
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.0
145	26.5	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 30.63 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	30.1	90.5
227	62.3	30.8	92.4





#95

Naphthalene

Concen: 21.62 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

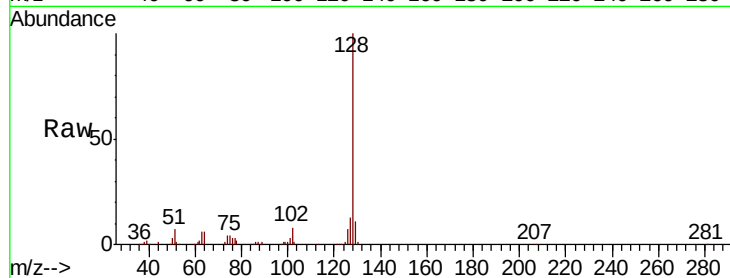
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 72120

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.7	8.6	12.8

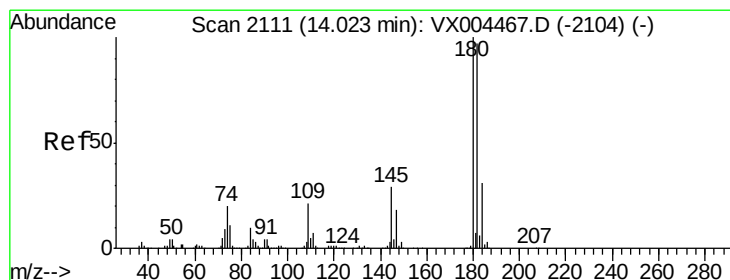
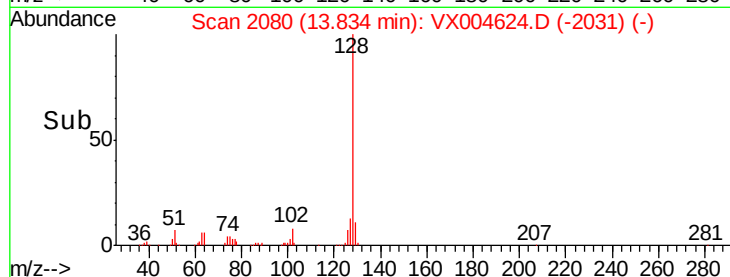
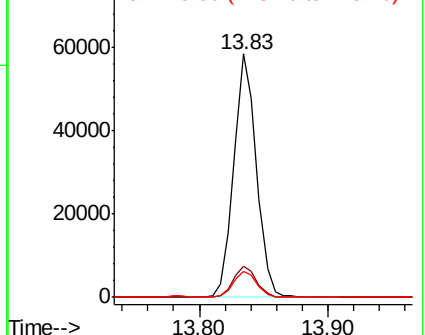


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.15 ug/l

RT: 14.02 min Scan# 2111

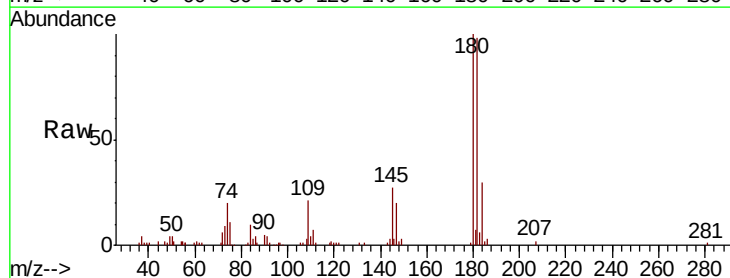
Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:180 Resp: 22167

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.5	145.6
145	28.7	14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

