

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004022.D
 Acq On : 14 Aug 2018 10:41
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 24 06:35:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	374622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	541650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	510007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276555	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	8248	1.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.12%	
35) Dibromofluoromethane	5.50	113	5819	1.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.88%	
50) Toluene-d8	8.71	98	19369	1.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.36%	
62) 4-Bromofluorobenzene	11.14	95	6048	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	3931	1.078 ug/l	100
3) Chloromethane	1.32	50	5224	1.167 ug/l	99
4) Vinyl Chloride	1.40	62	5478	1.131 ug/l	98
5) Bromomethane	1.64	94	4033	1.470 ug/l	93
6) Chloroethane	1.73	64	5435	Below Cal	91
7) Trichlorofluoromethane	1.93	101	8091	1.191 ug/l	91
8) Diethyl Ether	2.18	74	3538	1.193 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5111	1.206 ug/l	98
10) Methyl Iodide	2.51	142	3418	5.690 ug/l	94
11) Tert butyl alcohol	3.04	59	6461	6.079 ug/l	98
12) 1,1-Dichloroethene	2.37	96	4518	1.146 ug/l	96
13) Acrolein	2.29	56	2447	14.194 ug/l	97
14) Allyl chloride	2.73	41	8765	1.169 ug/l	99
15) Acrylonitrile	3.14	53	14808	5.588 ug/l	99
16) Acetone	2.43	43	16715	6.091 ug/l	95
17) Carbon Disulfide	2.57	76	13285	1.188 ug/l	98
18) Methyl Acetate	2.77	43	7620	1.250 ug/l	98
19) Methyl tert-butyl Ether	3.20	73	16190	1.166 ug/l	97
20) Methylene Chloride	2.86	84	6717	0.902 ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	5463	1.221 ug/l	96
22) Diisopropyl ether	3.86	45	17101	1.164 ug/l	97
23) Vinyl Acetate	3.82	43	63068	5.226 ug/l	99
24) 1,1-Dichloroethane	3.70	63	9828	1.181 ug/l	98
25) 2-Butanone	4.69	43	25125	5.627 ug/l	97
26) 2,2-Dichloropropane	4.58	77	8188	1.237 ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5861	1.165 ug/l	78
28) Bromochloromethane	5.01	49	4254	1.114 ug/l #	94
29) Tetrahydrofuran	5.15	42	13583	5.954 ug/l	94
30) Chloroform	5.21	83	9653	1.188 ug/l	97
31) Cyclohexane	5.57	56	8851	1.213 ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	7525	1.109 ug/l #	47
36) 1,1-Dichloropropene	5.80	75	7365	1.195 ug/l	99
37) Ethyl Acetate	4.84	43	7653	1.140 ug/l #	90
38) Carbon Tetrachloride	5.79	117	6855	1.145 ug/l	90

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 MSVOA_X
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 VSTDIC001

Quant Time: Aug 24 06:35:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7535	1.078	ug/l	97
40) Benzene	6.14	78	21096	1.140	ug/l	98
41) Methacrylonitrile	5.06	41	4528	1.205	ug/l	95
42) 1,2-Dichloroethane	6.20	62	7610	1.175	ug/l	99
43) Isopropyl Acetate	6.46	43	10434	1.055	ug/l	97
44) Trichloroethene	7.21	130	5921	1.178	ug/l	91
45) 1,2-Dichloropropane	7.52	63	5312	1.121	ug/l	98
46) Dibromomethane	7.66	93	3502	1.131	ug/l	97
47) Bromodichloromethane	7.90	83	6225	1.062	ug/l	98
48) Methyl methacrylate	7.78	41	4743	0.952	ug/l	97
49) 1,4-Dioxane	7.76	88	2142	19.103	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	38078	4.694	ug/l	93
52) Toluene	8.79	92	12422	1.061	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	5786	0.913	ug/l	92
54) cis-1,3-Dichloropropene	8.43	75	6873	0.980	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	5563	1.151	ug/l	93
56) Ethyl methacrylate	9.18	69	5608	0.853	ug/l	95
57) 1,3-Dichloropropane	9.37	76	8647	1.078	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	13059	3.902	ug/l	100
59) 2-Hexanone	9.50	43	27021	4.426	ug/l	91
60) Dibromochloromethane	9.59	129	4734	1.018	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5200	1.055	ug/l	98
64) Tetrachloroethene	9.34	164	5660	1.171	ug/l	89
65) Chlorobenzene	10.14	112	15838	1.202	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	4706	1.047	ug/l #	66
67) Ethyl Benzene	10.25	91	21826	1.046	ug/l	97
68) m/p-Xylenes	10.36	106	15703	1.922	ug/l	99
69) o-Xylene	10.70	106	7107	0.910	ug/l	96
70) Styrene	10.71	104	10712	0.815	ug/l	99
71) Bromoform	10.85	173	3194	0.896	ug/l #	99
73) Isopropylbenzene	11.02	105	18265	0.976	ug/l	97
74) N-amyl acetate	6.46	43	10434	1.185	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	7656	1.171	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	8024	1.447	ug/l	84
77) Bromobenzene	11.26	156	5731	1.111	ug/l	99
78) n-propylbenzene	11.36	91	19430	0.928	ug/l	98
79) 2-Chlorotoluene	11.42	91	13311	1.043	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	13594	0.887	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	1635	0.913	ug/l #	73
82) 4-Chlorotoluene	11.51	91	15159	1.005	ug/l	100
83) tert-Butylbenzene	11.77	119	14721	0.953	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	14087	0.888	ug/l	99
85) sec-Butylbenzene	11.94	105	16478	0.911	ug/l	97
86) p-Isopropyltoluene	12.07	119	14753	0.901	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11607	1.180	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	11607	1.146	ug/l	96
89) n-Butylbenzene	12.39	91	13957	1.082	ug/l	98
90) Hexachloroethane	12.60	117	2730	1.114	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	10847	1.222	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1198	1.043	ug/l	94

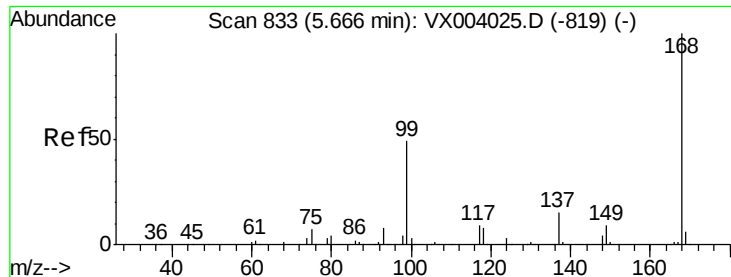
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	6111	1.007	ug/l	99
94) Hexachlorobutadiene	13.79	225	3878	1.275	ug/l	95
95) Naphthalene	13.83	128	14798	1.892	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	6682	1.010	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

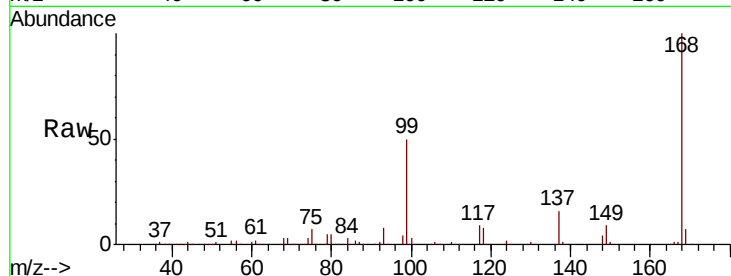
VSTDIC001

Tgt Ion:168 Resp: 374622

Ion Ratio Lower Upper

168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

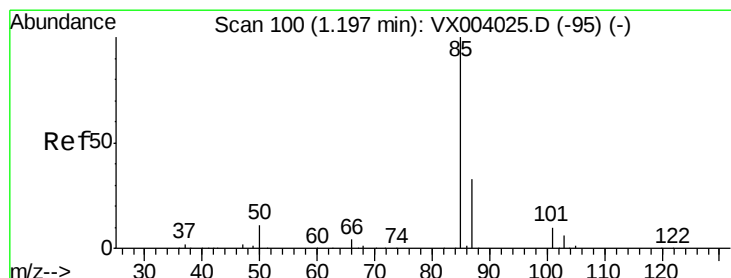
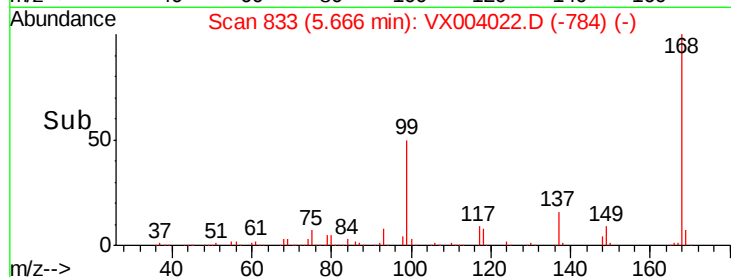
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.078 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004022.D

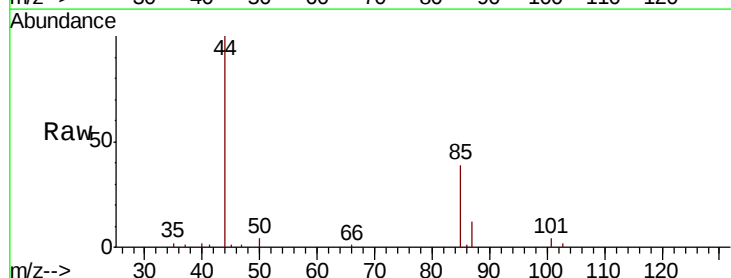
Acq: 14 Aug 2018 10:41

Tgt Ion: 85 Resp: 3931

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

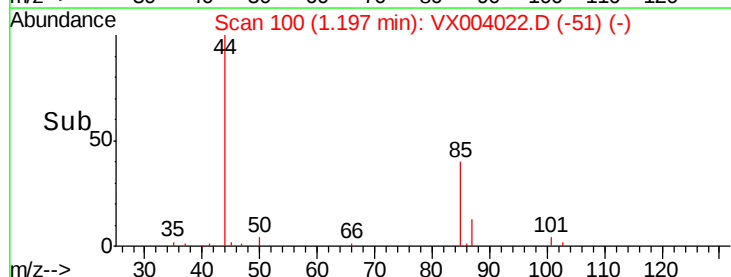
3000

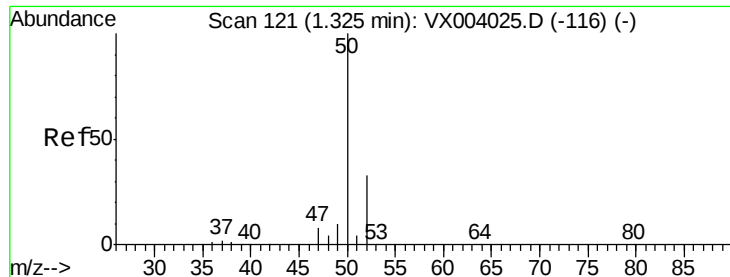
2000

1000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 1.167 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

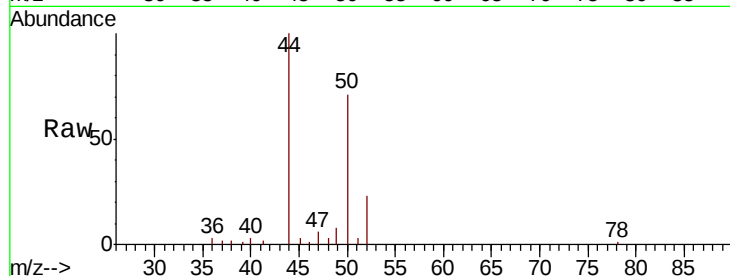
VSTDIC001

Tgt Ion: 50 Resp: 5224

Ion Ratio Lower Upper

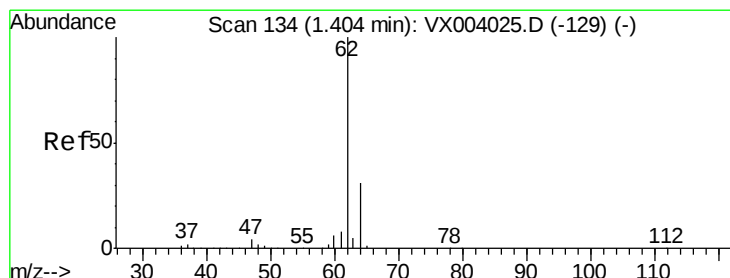
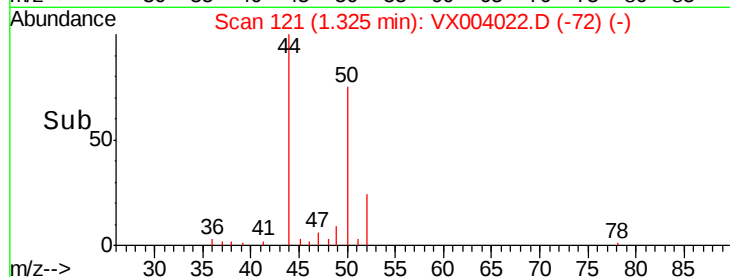
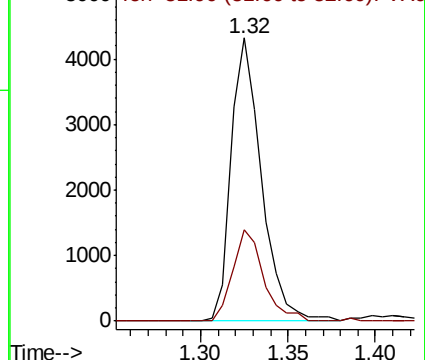
50 100

52 32.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.131 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004022.D

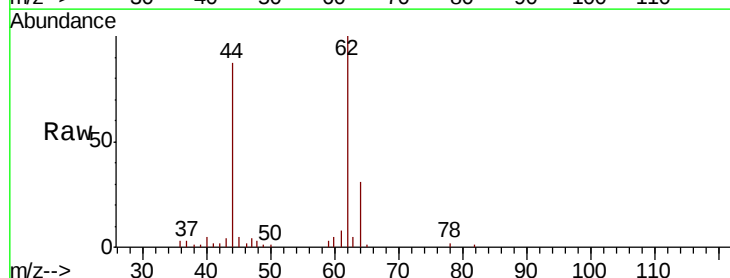
Acq: 14 Aug 2018 10:41

Tgt Ion: 62 Resp: 5478

Ion Ratio Lower Upper

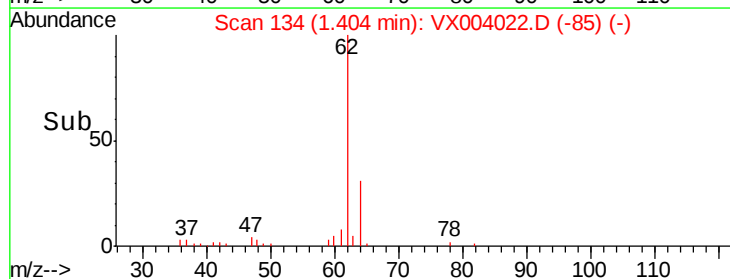
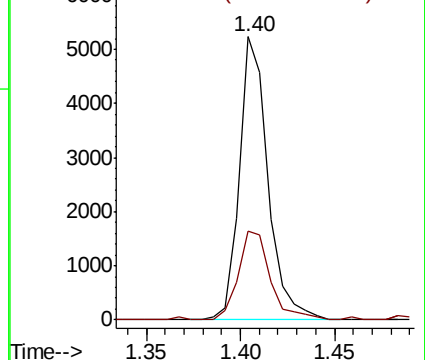
62 100

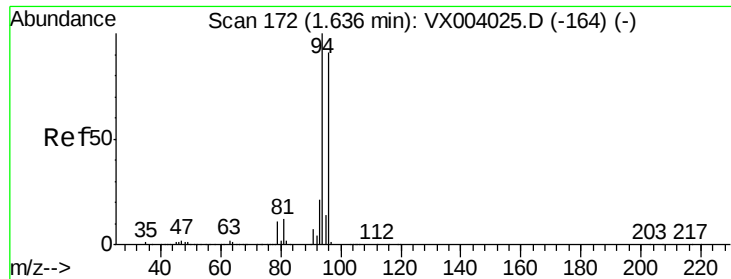
64 31.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.470 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

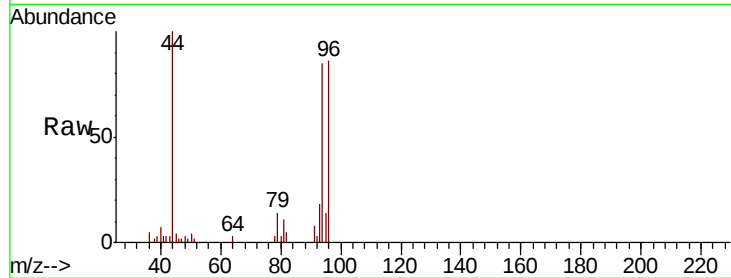
VSTDIC001

Tgt Ion: 94 Resp: 4033

Ion Ratio Lower Upper

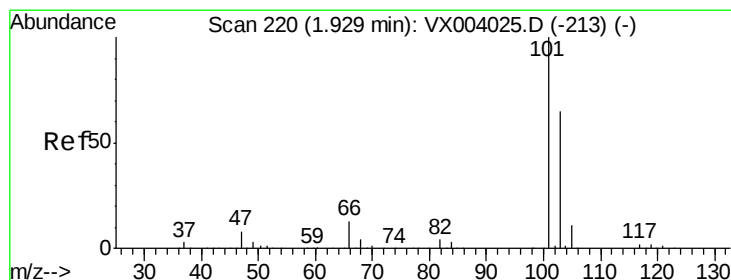
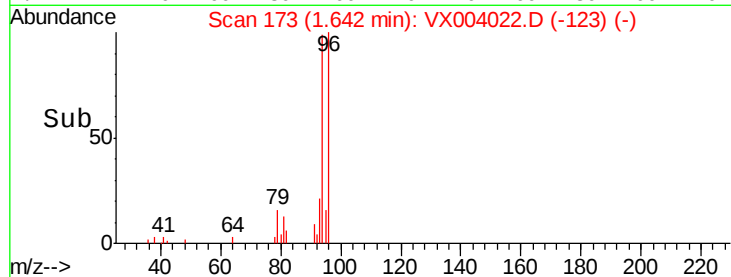
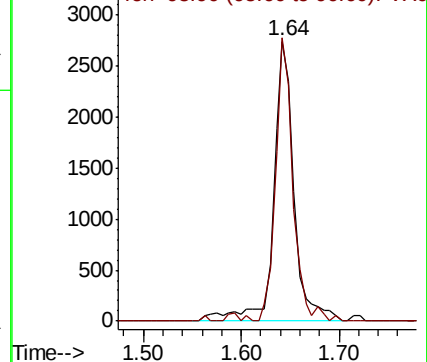
94 100

96 101.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX004022.D (-164) (-)

Ion 95.90 (95.60 to 96.60): VX004022.D (-164) (-)



#7

Trichlorofluoromethane

Concen: 1.191 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX004022.D

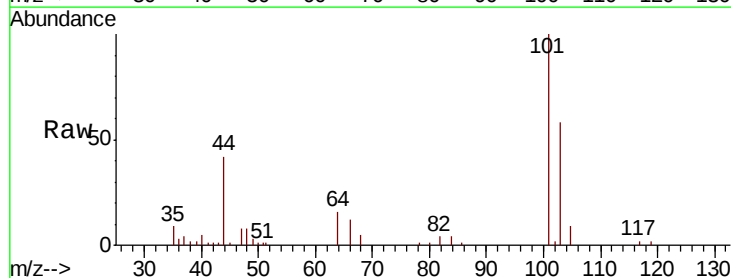
Acq: 14 Aug 2018 10:41

Tgt Ion: 101 Resp: 8091

Ion Ratio Lower Upper

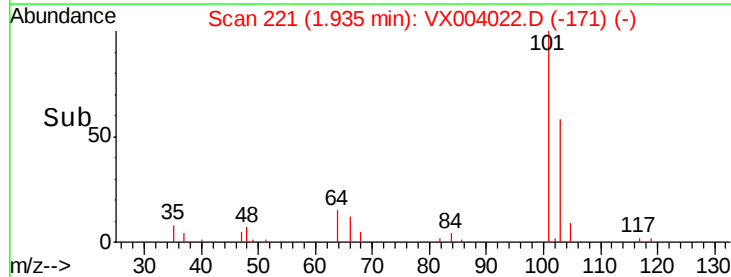
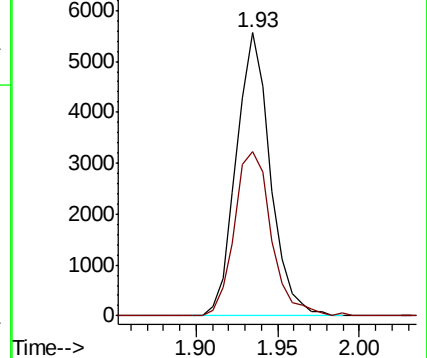
101 100

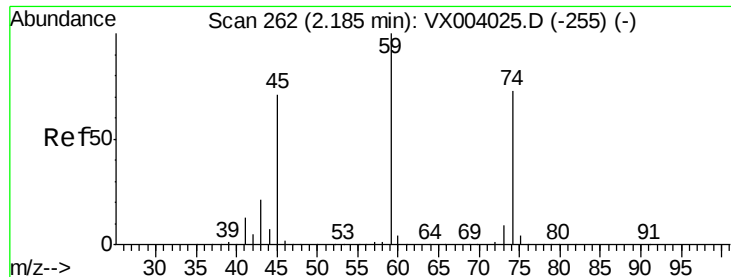
103 58.0 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): VX004022.D (-213) (-)

Ion 102.80 (102.50 to 103.50): VX004022.D (-213) (-)





#8

Diethyl Ether

Concen: 1.193 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

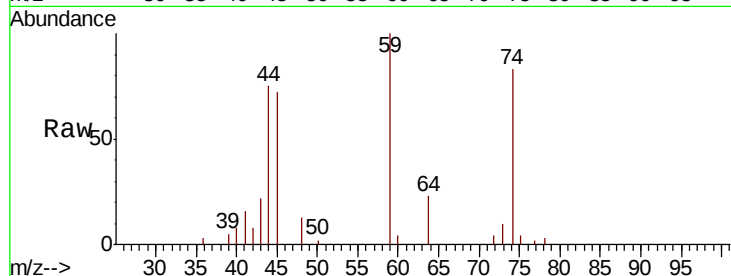
VSTDIC001

Tgt Ion: 74 Resp: 3538

Ion Ratio Lower Upper

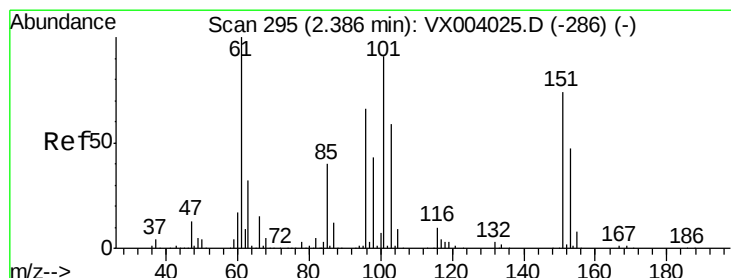
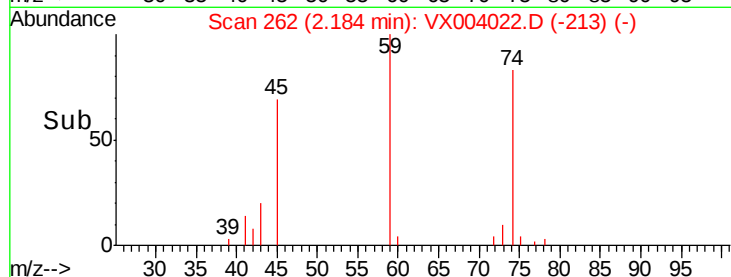
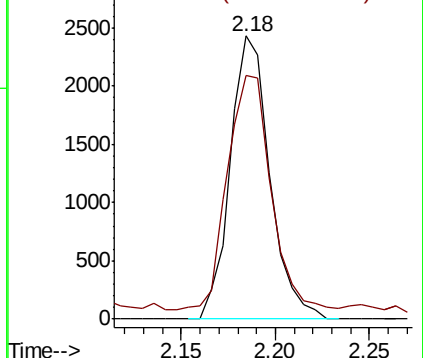
74 100

45 92.0 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.206 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

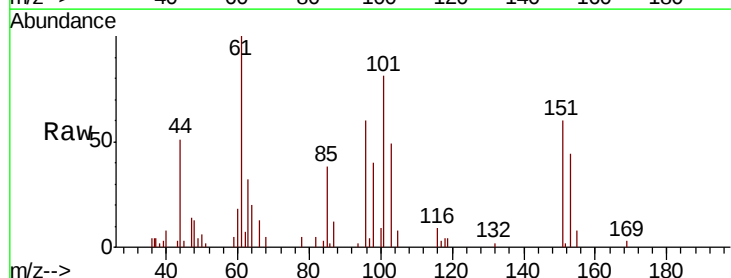
Tgt Ion: 101 Resp: 5111

Ion Ratio Lower Upper

101 100

85 46.2 34.2 51.4

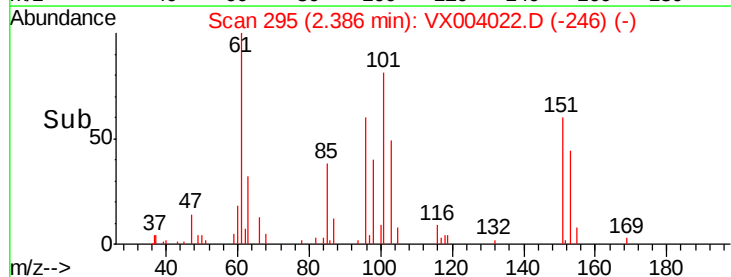
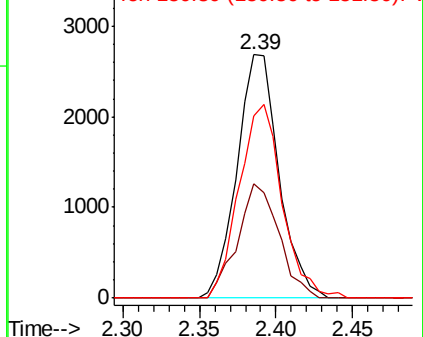
151 81.6 65.0 97.4

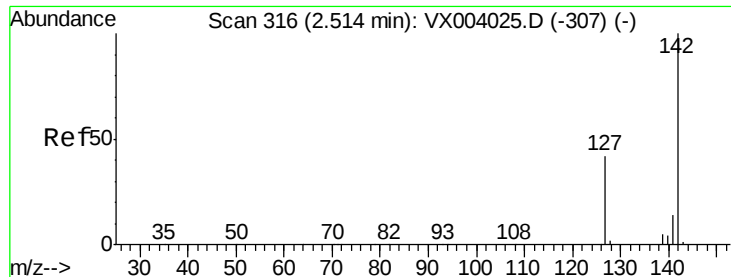


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

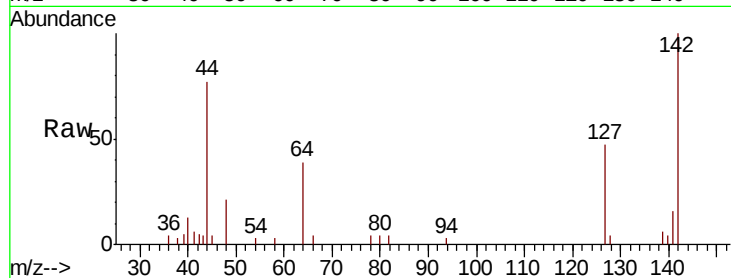




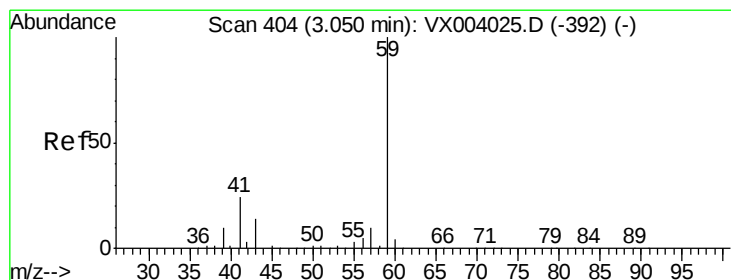
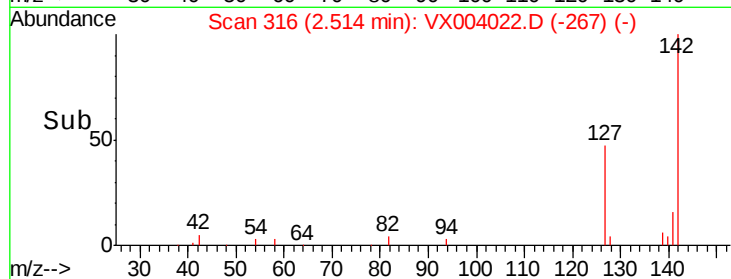
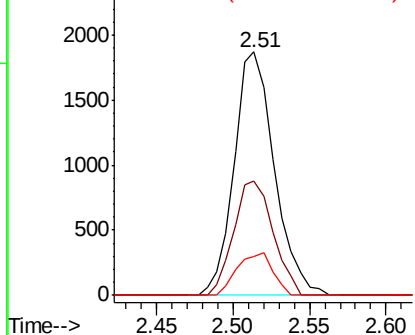
#10
Methyl Iodide
Concen: 5.690 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 142 Resp: 3418
Ion Ratio Lower Upper
142 100
127 45.9 33.1 49.7
141 15.4 11.1 16.7

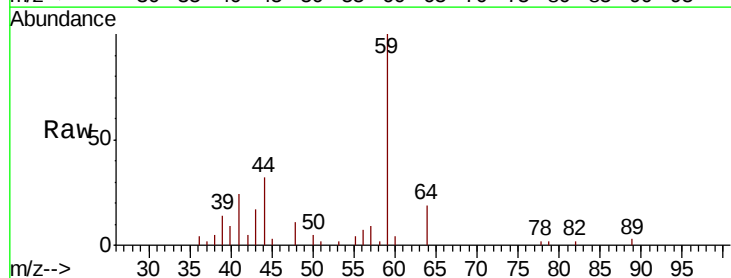


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

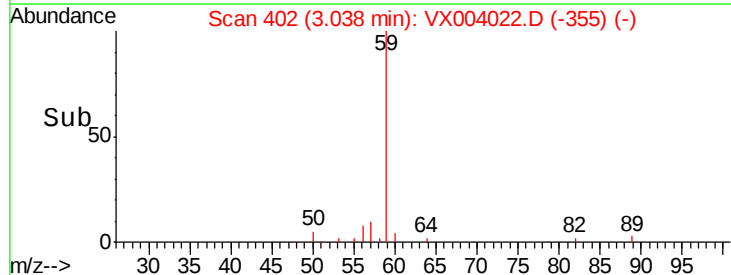
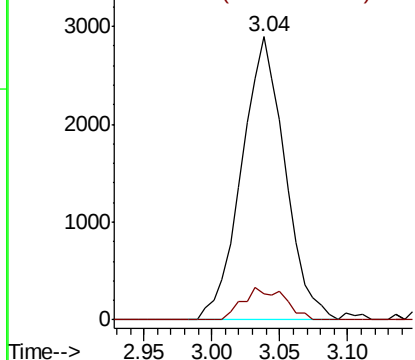


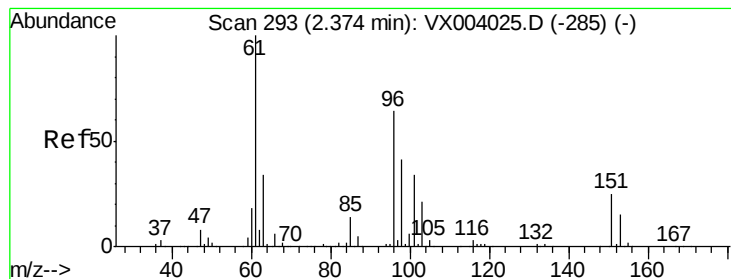
#11
Tert butyl alcohol
Concen: 6.079 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 59 Resp: 6461
Ion Ratio Lower Upper
59 100
57 11.0 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 1.146 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

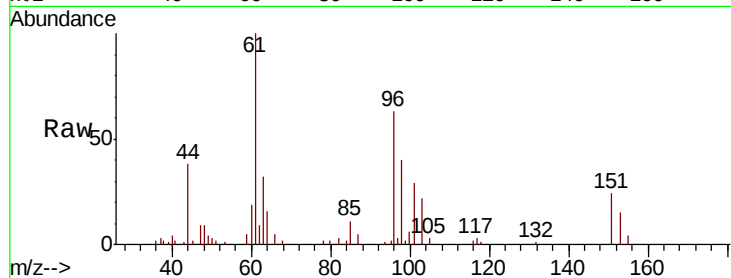
Tgt Ion: 96 Resp: 4518

Ion Ratio Lower Upper

96 100

61 158.1 131.3 196.9

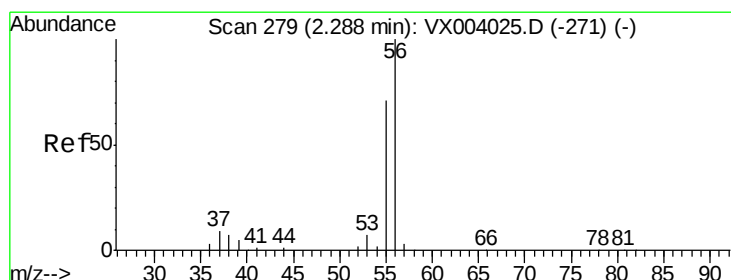
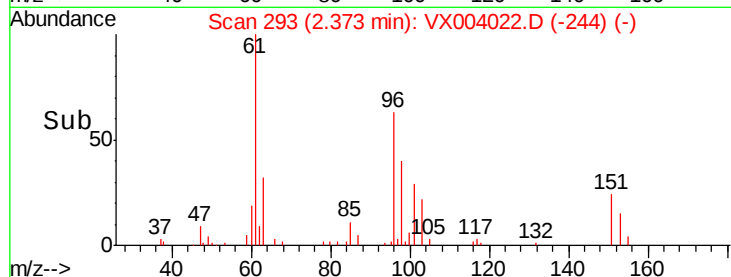
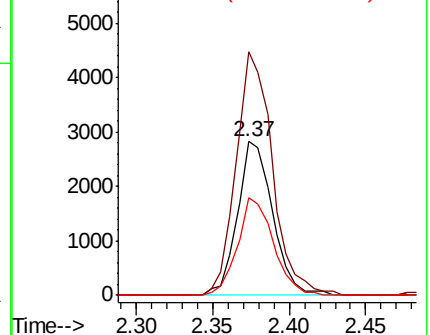
98 63.2 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 14.194 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004022.D

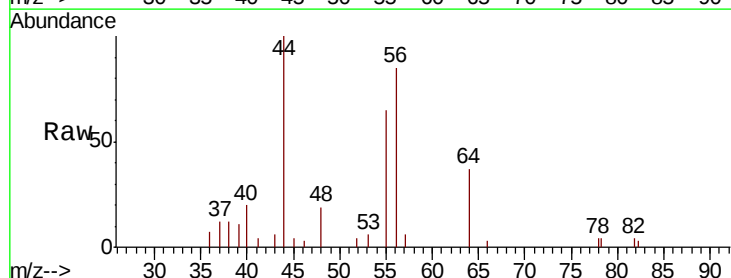
Acq: 14 Aug 2018 10:41

Tgt Ion: 56 Resp: 2447

Ion Ratio Lower Upper

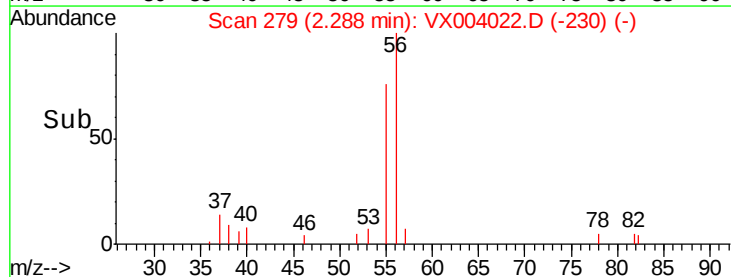
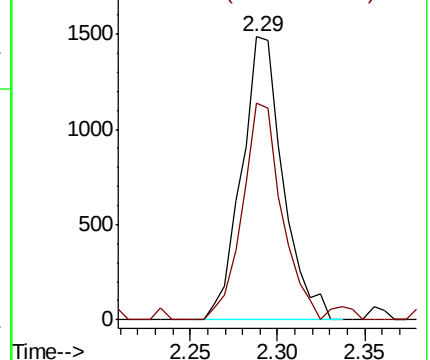
56 100

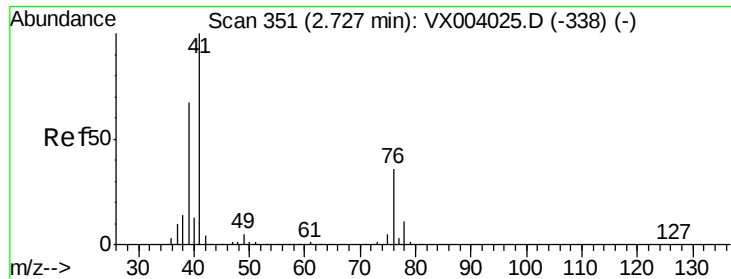
55 72.5 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

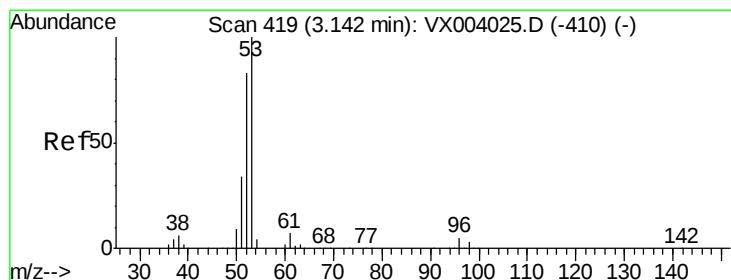
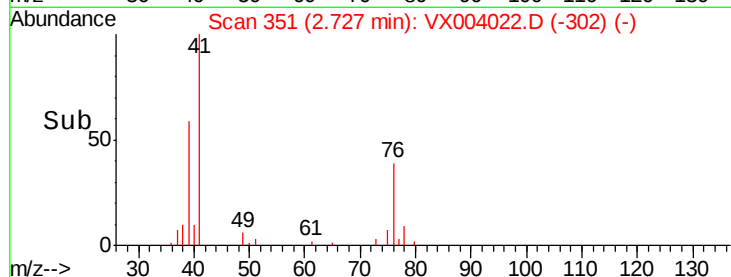
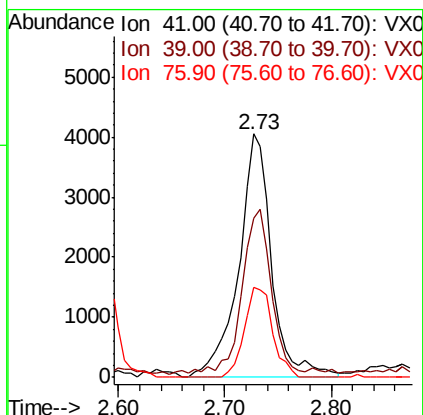
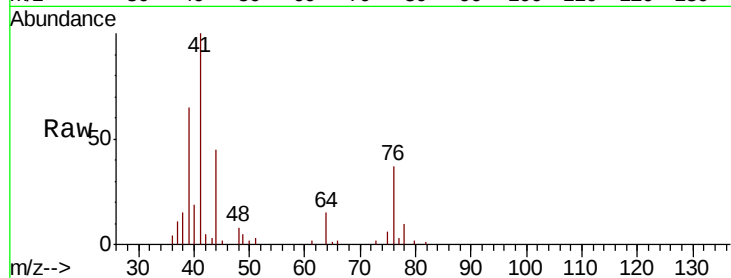




#14
 Allyl chloride
 Concen: 1.169 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

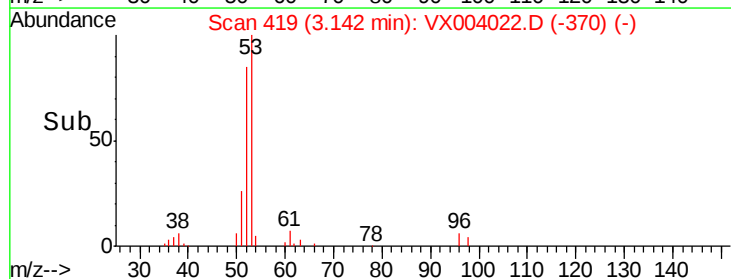
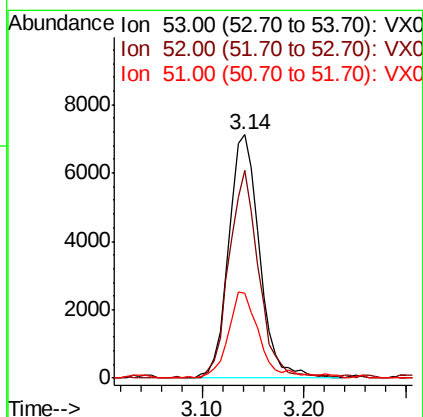
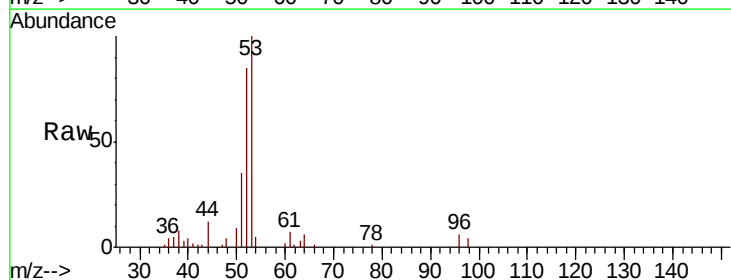
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

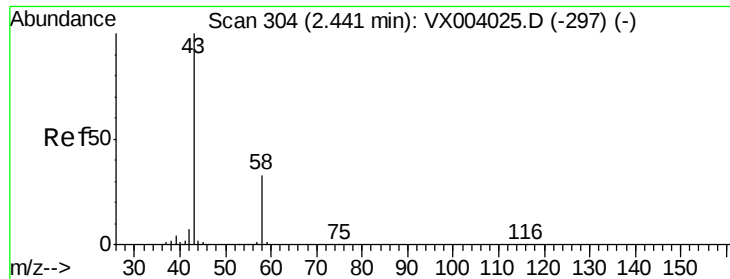
Tgt Ion: 41 Resp: 8765
 Ion Ratio Lower Upper
 41 100
 39 59.4 47.4 71.0
 76 31.8 26.0 39.0



#15
 Acrylonitrile
 Concen: 5.588 ug/l
 RT: 3.14 min Scan# 419
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 53 Resp: 14808
 Ion Ratio Lower Upper
 53 100
 52 82.6 65.3 97.9
 51 36.1 27.9 41.9





#16

Acetone

Concen: 6.091 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

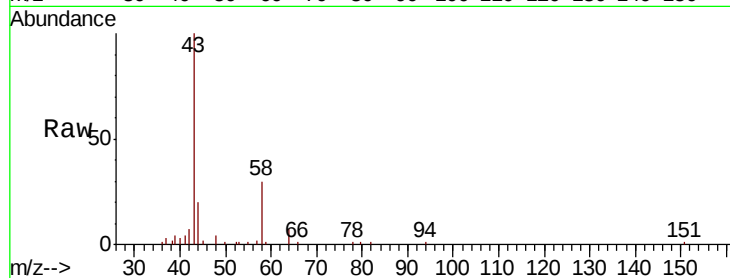
VSTDIC001

Tgt Ion: 43 Resp: 16715

Ion Ratio Lower Upper

43 100

58 30.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

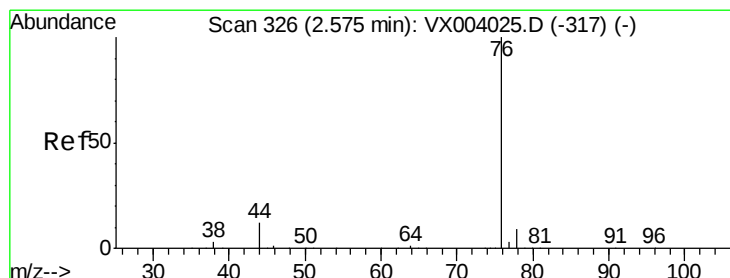
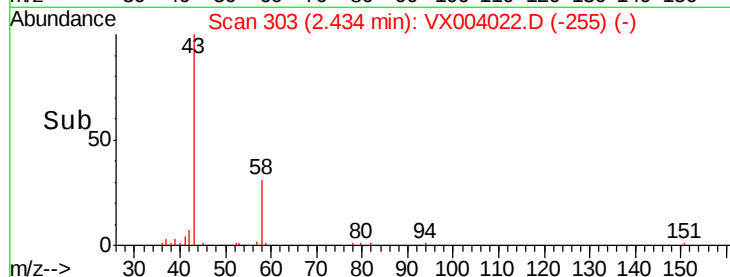
6000

4000

2000

0

Time--> 2.30 2.40 2.50



#17

Carbon Disulfide

Concen: 1.188 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004022.D

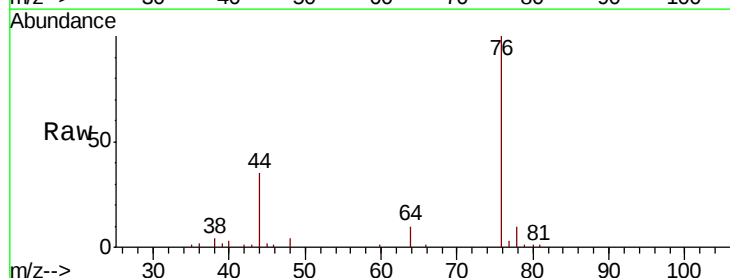
Acq: 14 Aug 2018 10:41

Tgt Ion: 76 Resp: 13285

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

8000

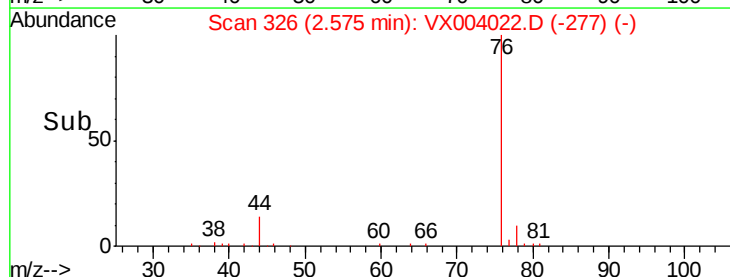
6000

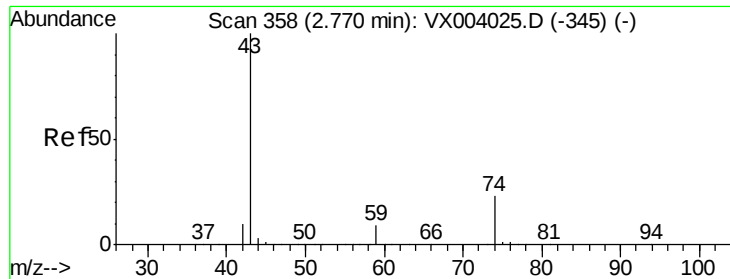
4000

2000

0

Time--> 2.50 2.55 2.60 2.65

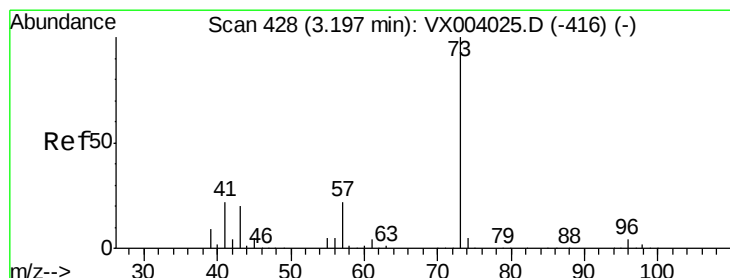
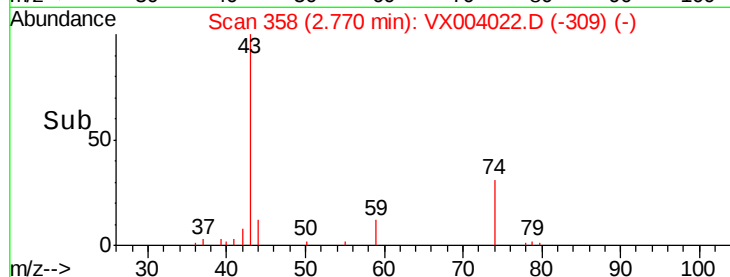
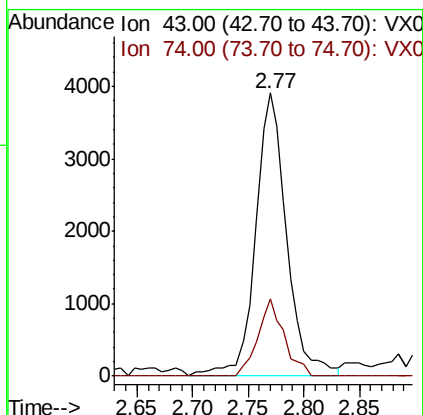
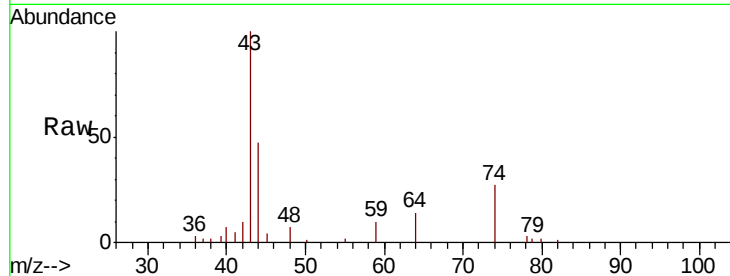




#18
Methyl Acetate
Concen: 1.250 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

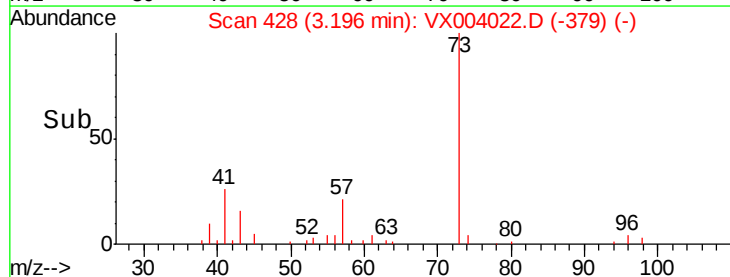
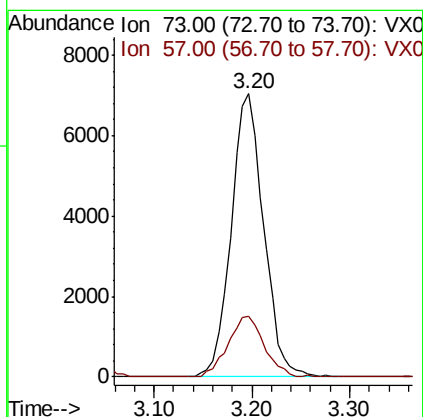
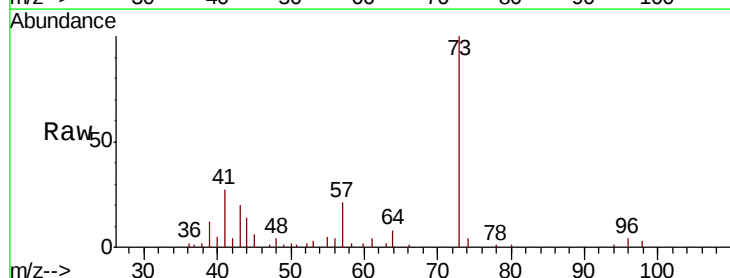
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

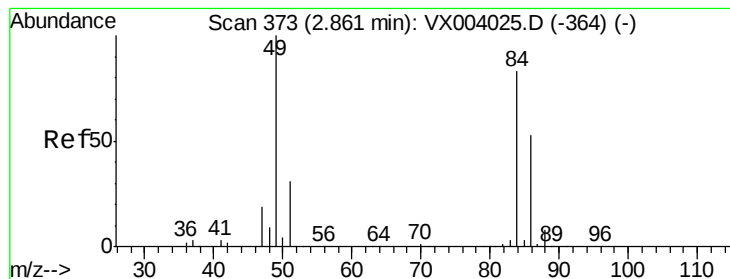
Tgt Ion: 43 Resp: 7620
Ion Ratio Lower Upper
43 100
74 22.8 18.9 28.3



#19
Methyl tert-butyl Ether
Concen: 1.166 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 73 Resp: 16190
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0





#20

Methylene Chloride

Concen: 0.902 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 84 Resp: 6717

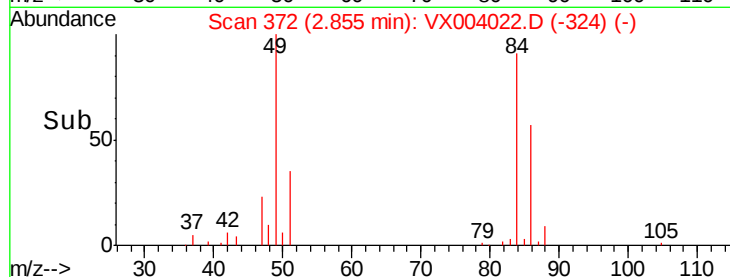
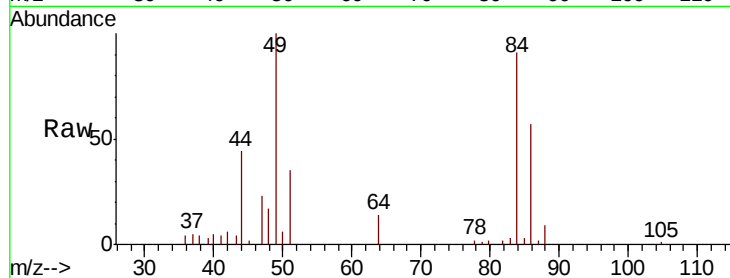
Ion Ratio Lower Upper

84 100

49 109.5 98.9 148.3

51 37.9 29.9 44.9

86 62.3 51.0 76.6

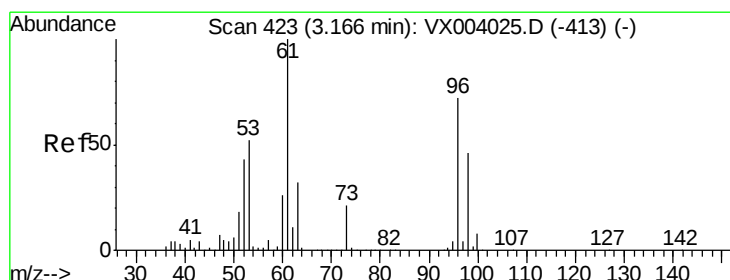
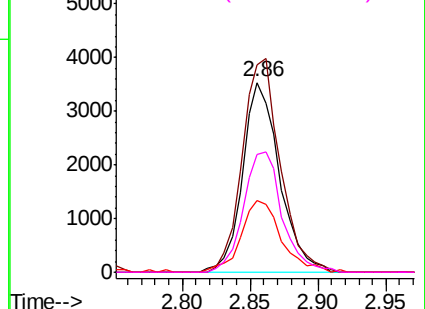


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 1.221 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

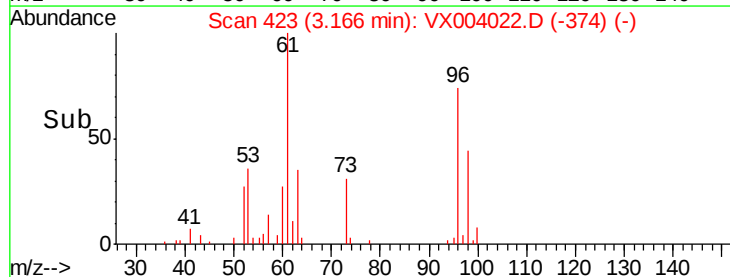
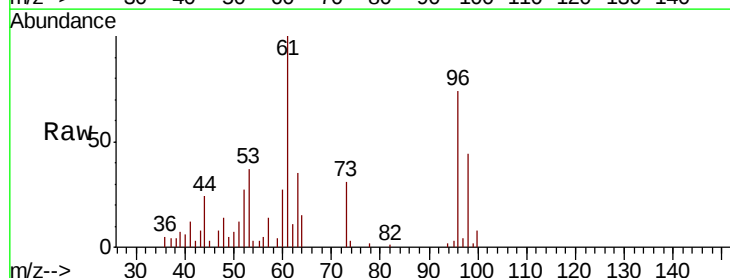
Tgt Ion: 96 Resp: 5463

Ion Ratio Lower Upper

96 100

61 135.8 111.8 167.6

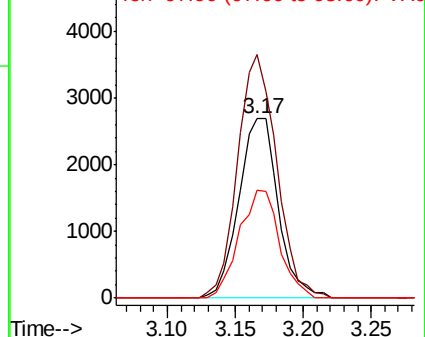
98 60.1 51.8 77.6

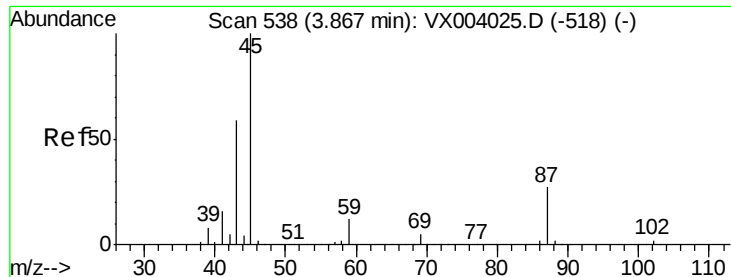


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#22

Diisopropyl ether

Concen: 1.164 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 17101

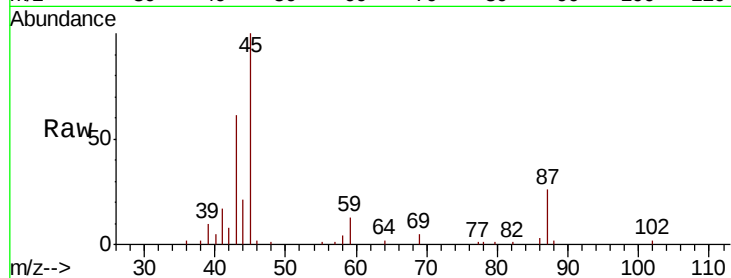
Ion Ratio Lower Upper

45 100

43 58.2 45.3 67.9

87 25.6 22.7 34.1

59 13.3 9.6 14.4

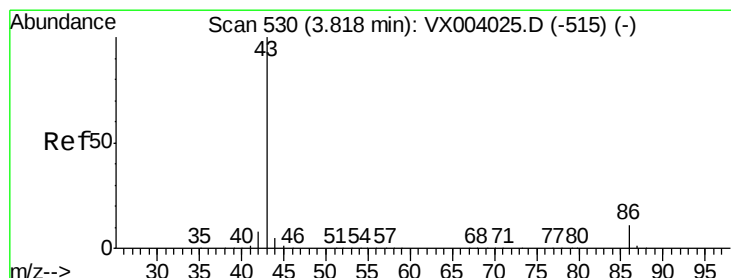
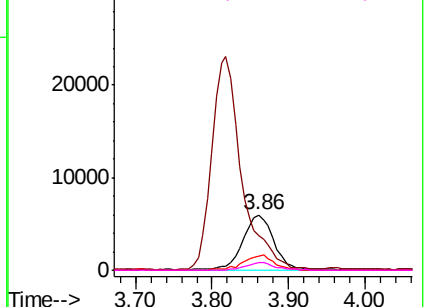
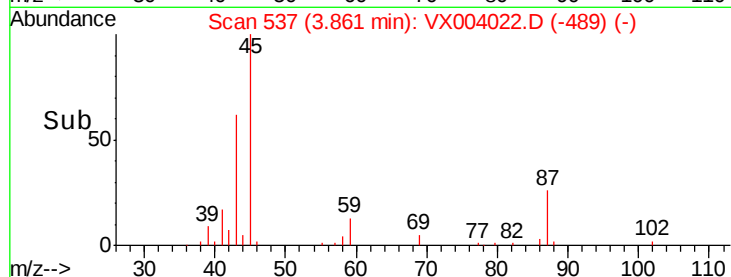


Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 5.226 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004022.D

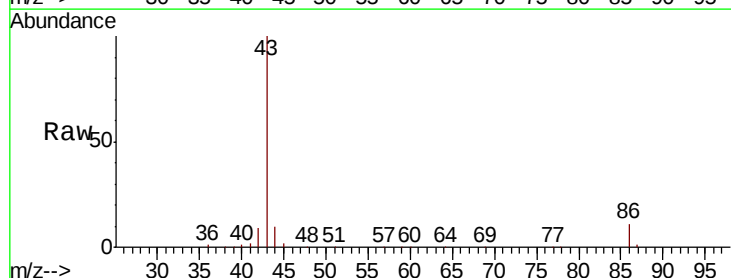
Acq: 14 Aug 2018 10:41

Tgt Ion: 43 Resp: 63068

Ion Ratio Lower Upper

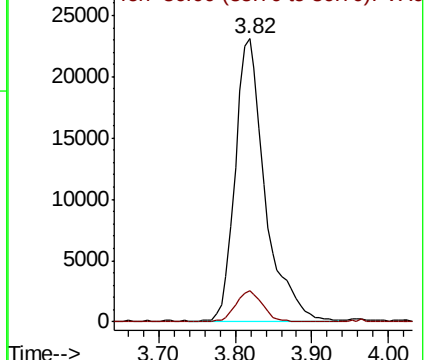
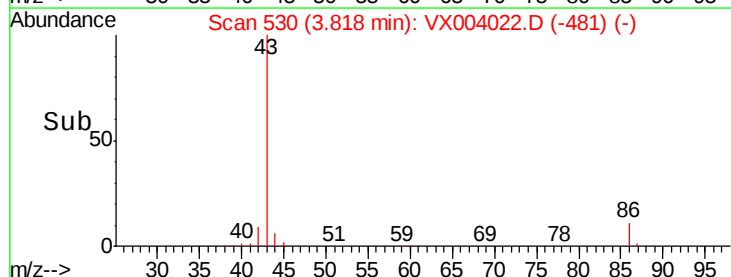
43 100

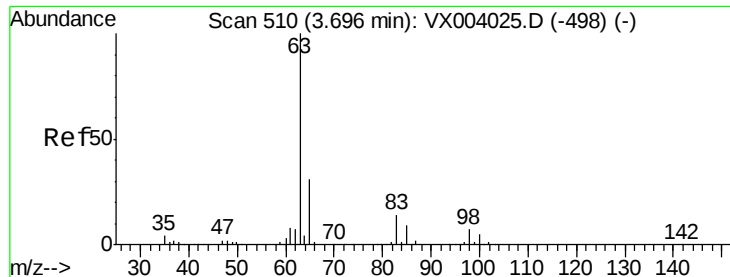
86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 1.181 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

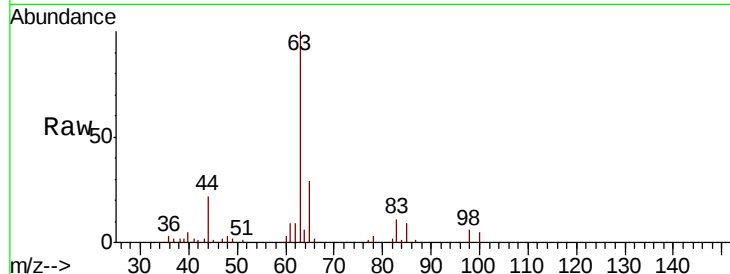
Tgt Ion: 63 Resp: 9828

Ion Ratio Lower Upper

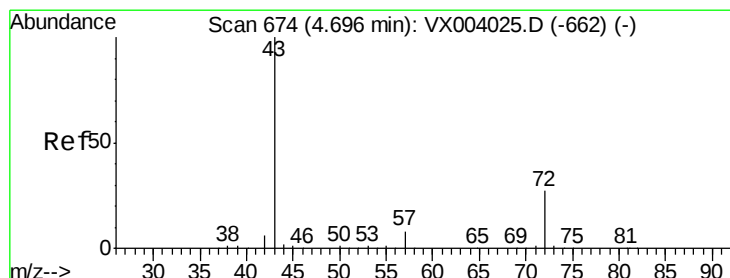
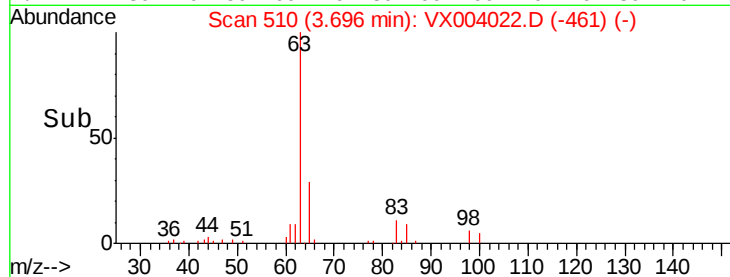
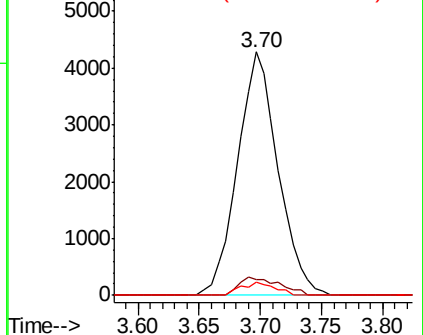
63 100

98 6.5 3.5 10.5

100 5.3 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 5.627 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004022.D

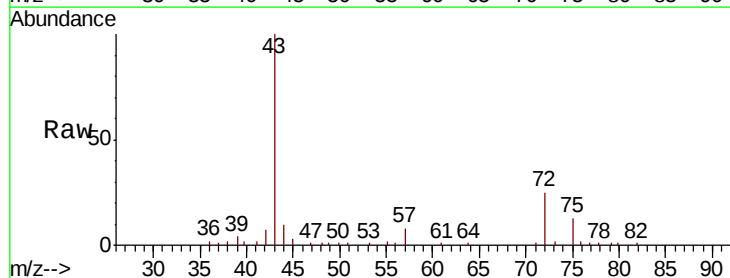
Acq: 14 Aug 2018 10:41

Tgt Ion: 43 Resp: 25125

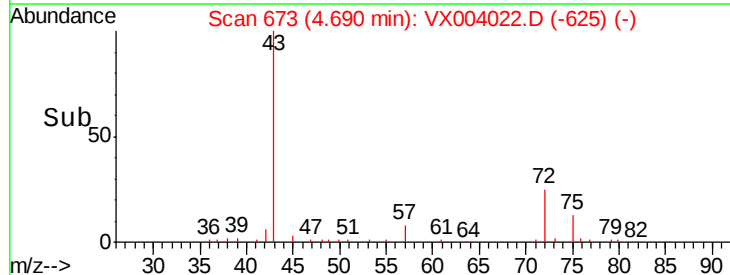
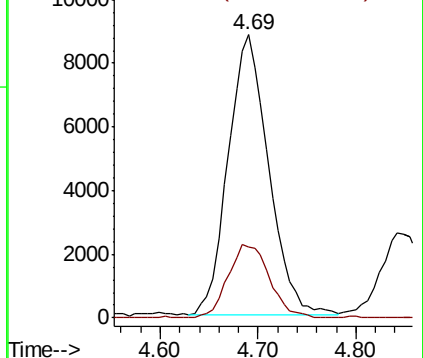
Ion Ratio Lower Upper

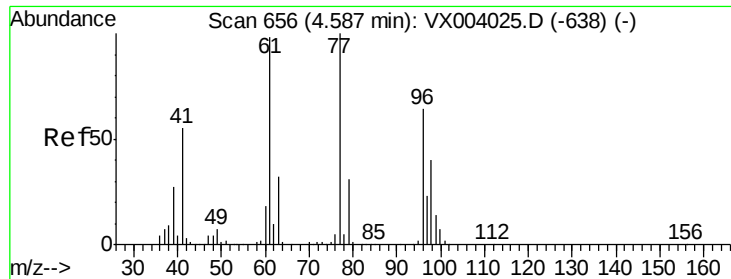
43 100

72 25.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 1.237 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampled :

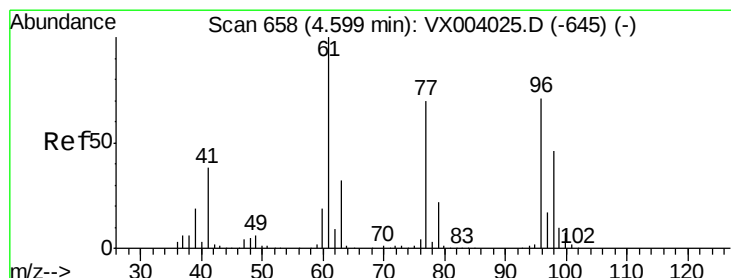
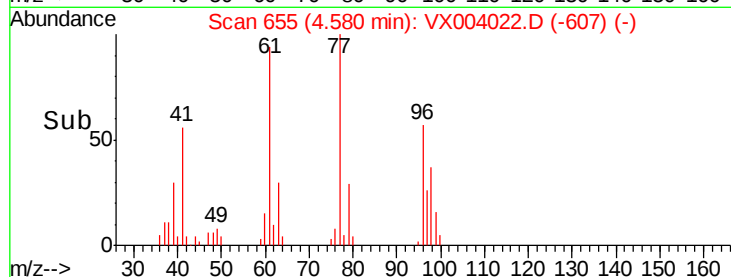
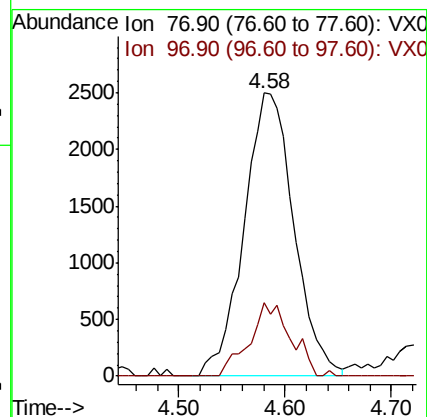
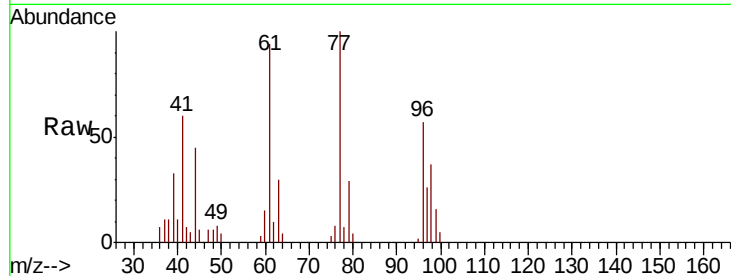
VSTDIC001

Tgt Ion: 77 Resp: 8188

Ion Ratio Lower Upper

77 100

97 21.4 11.9 35.9



#27

cis-1,2-Dichloroethene

Concen: 1.165 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

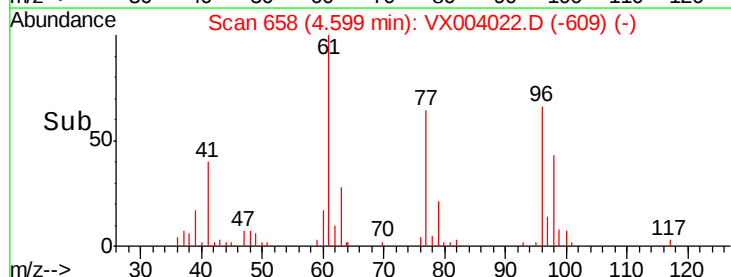
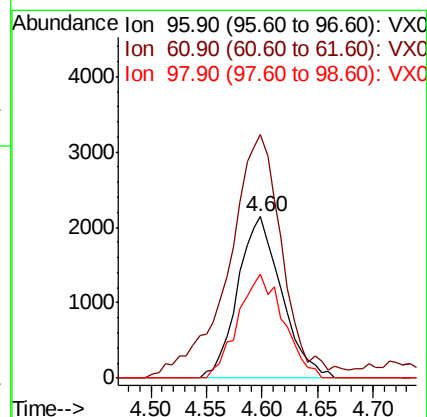
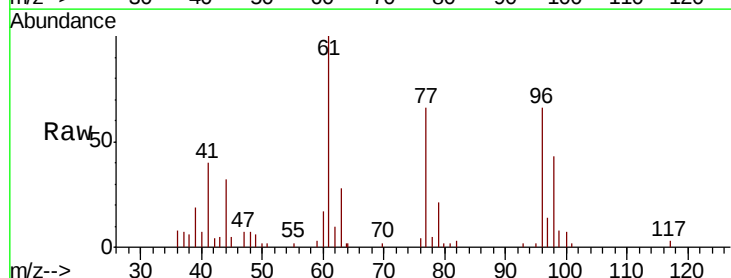
Tgt Ion: 96 Resp: 5861

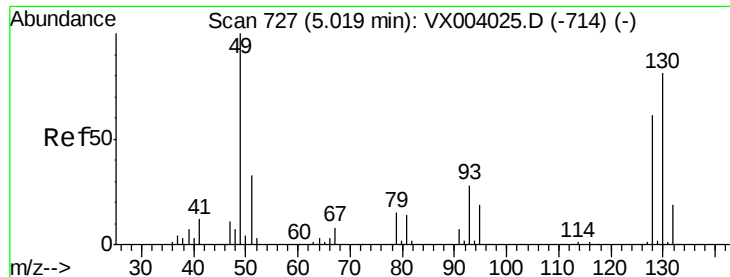
Ion Ratio Lower Upper

96 100

61 185.7 0.0 293.0

98 66.8 0.0 131.8





#28

Bromochloromethane

Concen: 1.114 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

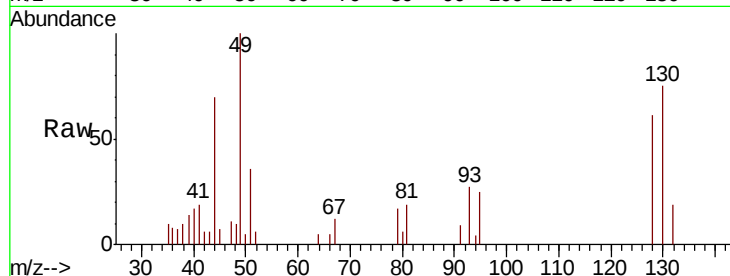
Tgt Ion: 49 Resp: 4254

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

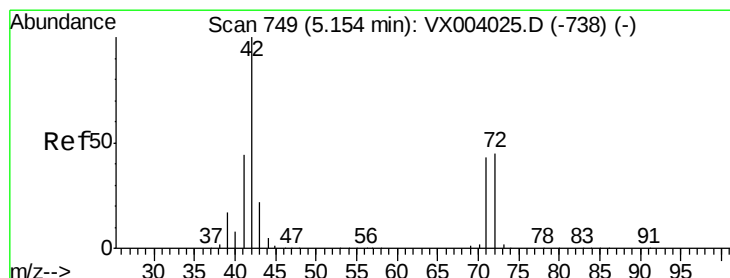
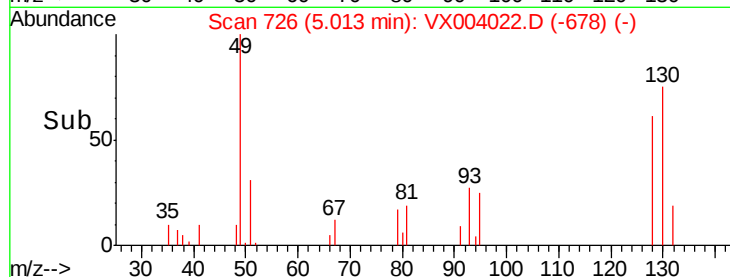
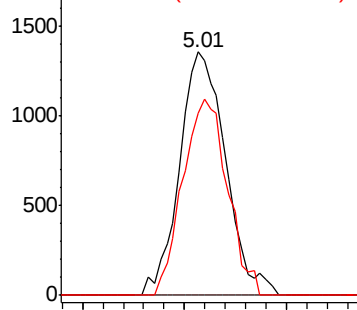
130 78.1 66.5 99.7



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 5.954 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

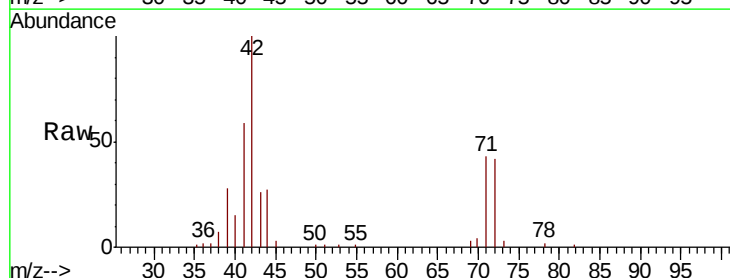
Tgt Ion: 42 Resp: 13583

Ion Ratio Lower Upper

42 100

72 42.1 37.7 56.5

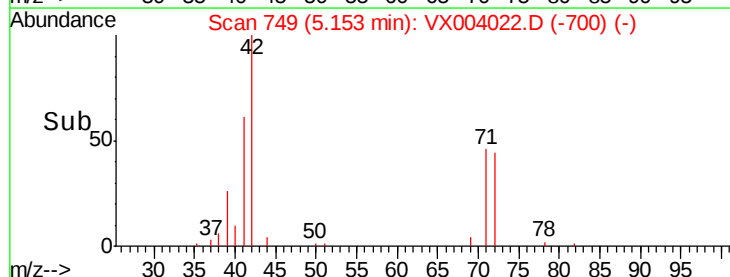
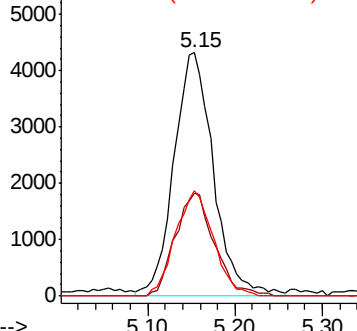
71 41.6 35.0 52.6

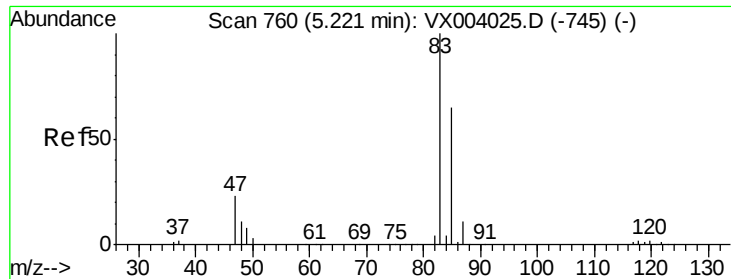


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

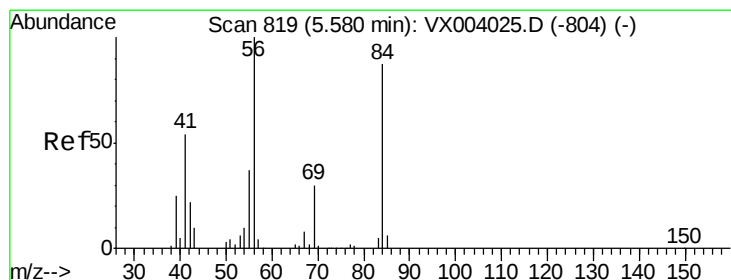
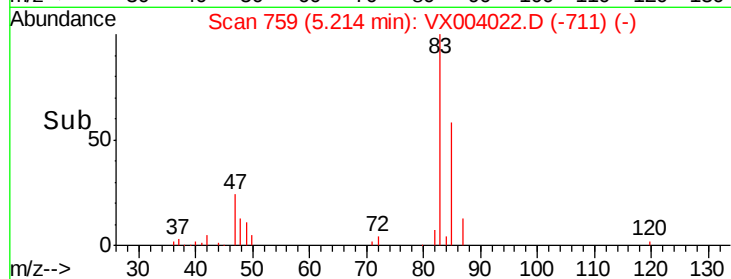
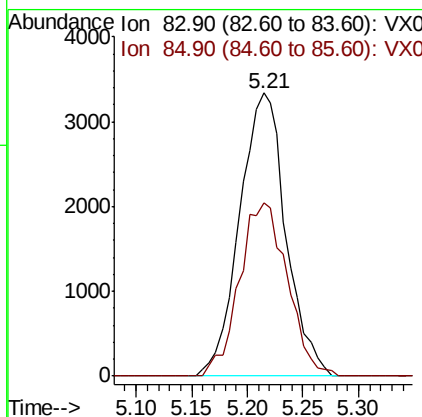
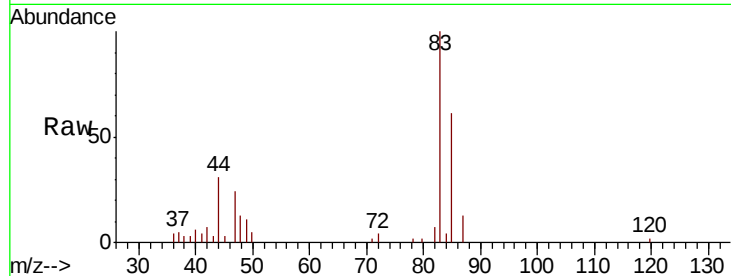




#30
 Chloroform
 Concen: 1.188 ug/l
 RT: 5.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

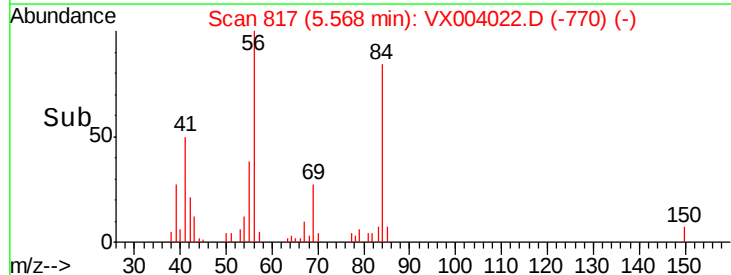
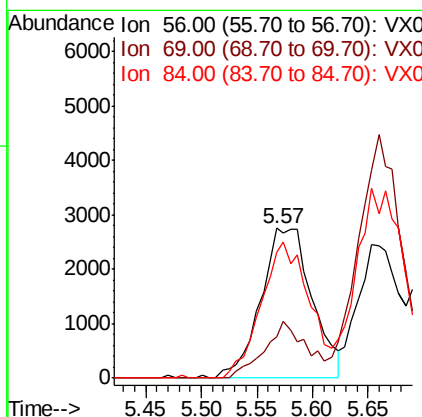
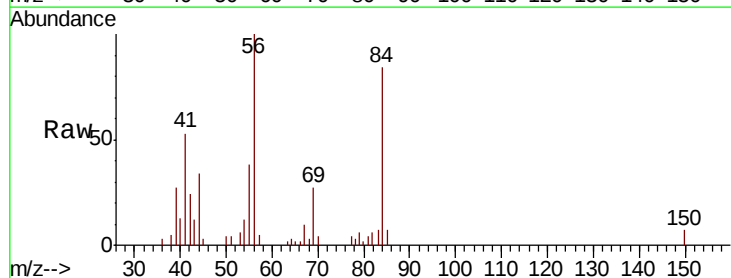
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

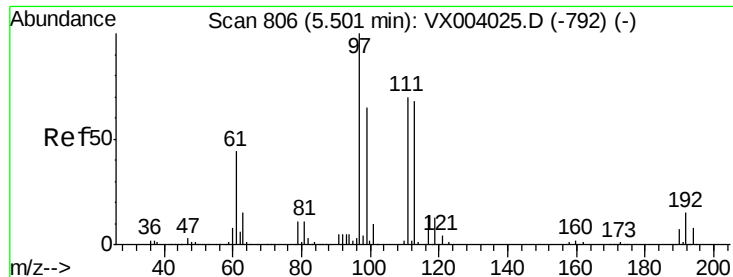
Tgt Ion: 83 Resp: 9653
 Ion Ratio Lower Upper
 83 100
 85 61.1 50.7 76.1



#31
 Cyclohexane
 Concen: 1.213 ug/l
 RT: 5.57 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 56 Resp: 8851
 Ion Ratio Lower Upper
 56 100
 69 27.2 24.9 37.3
 84 83.6 71.7 107.5





#32

1,1,1-Trichloroethane

Concen: 1.109 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

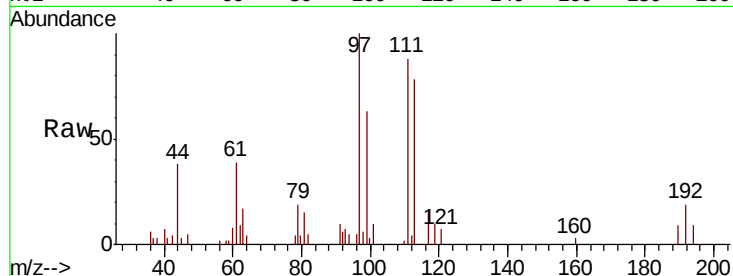
Tgt Ion: 97 Resp: 7525

Ion Ratio Lower Upper

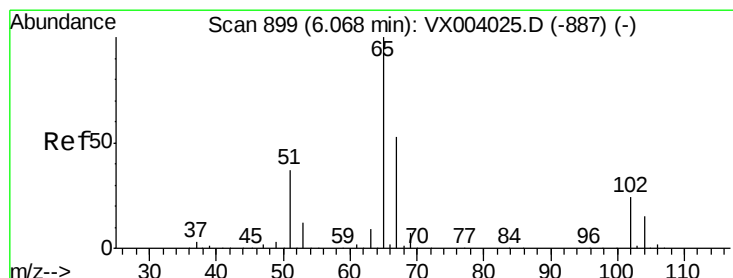
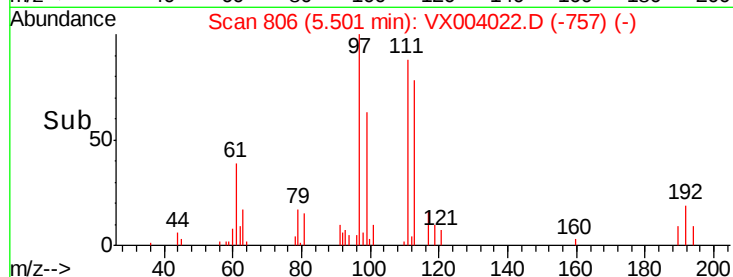
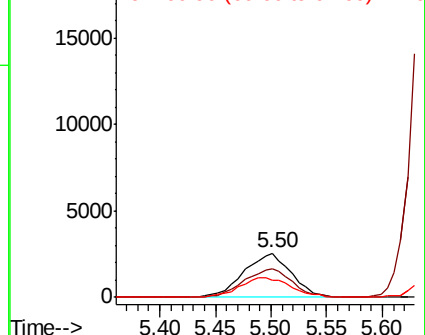
97 100

99 0.0 51.8 77.8#

61 48.1 34.4 51.6



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



#33

1,2-Dichloroethane-d4

Concen: 1.563 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX004022.D

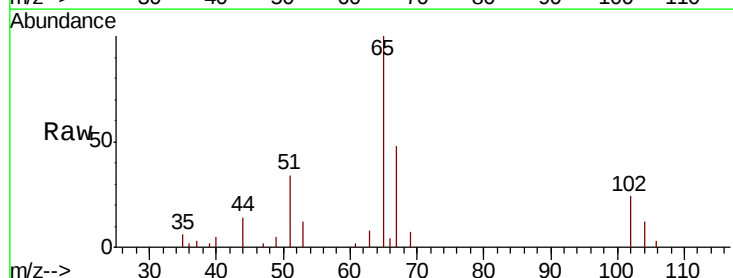
Acq: 14 Aug 2018 10:41

Tgt Ion: 65 Resp: 8248

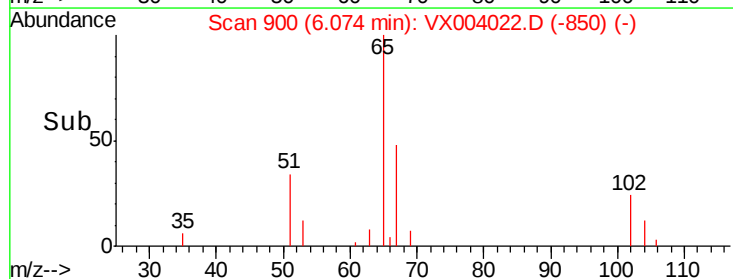
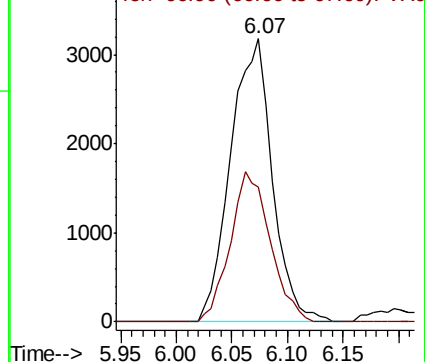
Ion Ratio Lower Upper

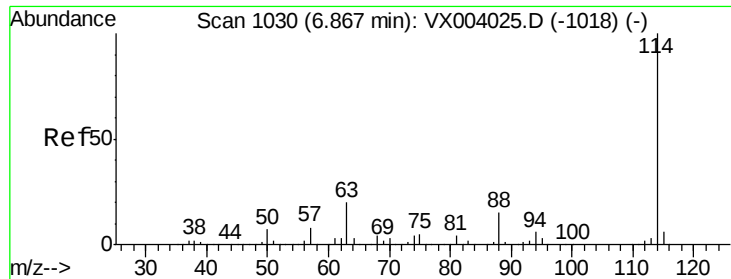
65 100

67 50.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

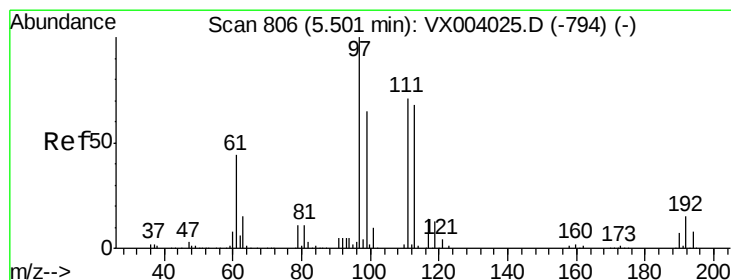
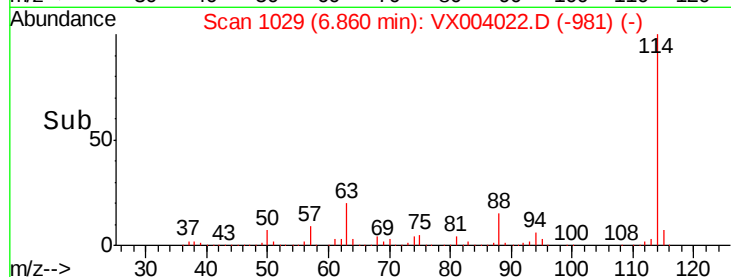
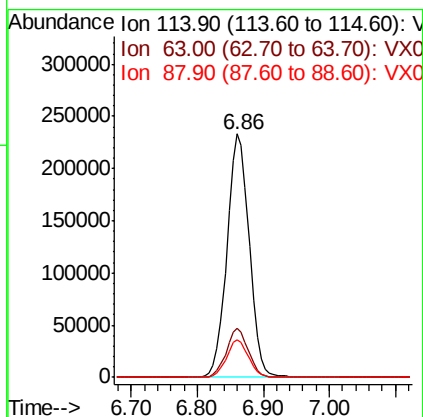
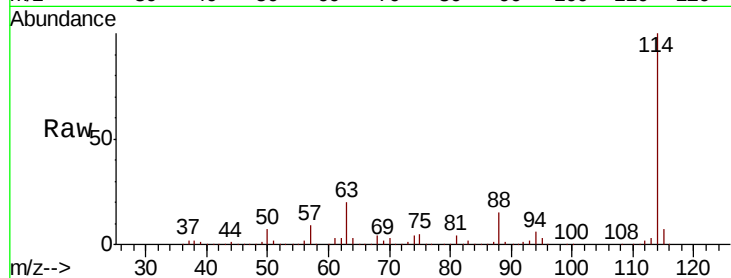




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

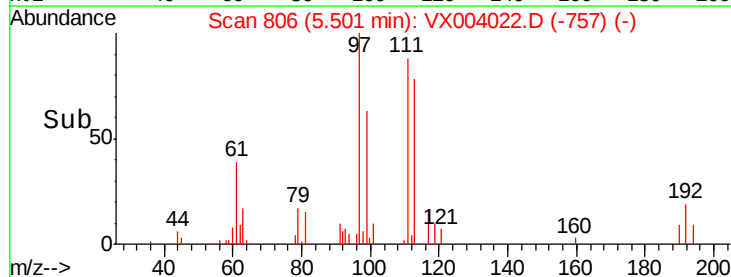
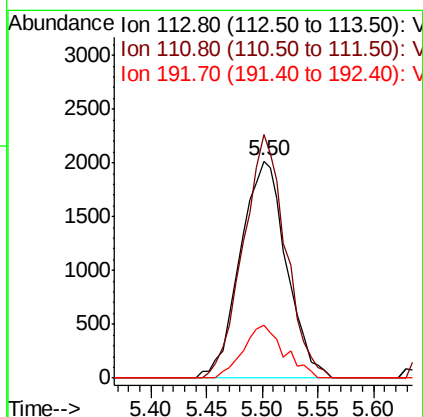
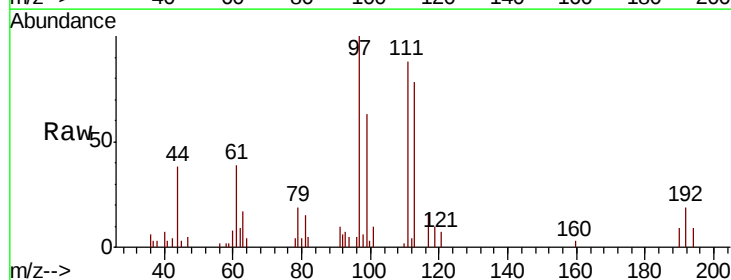
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

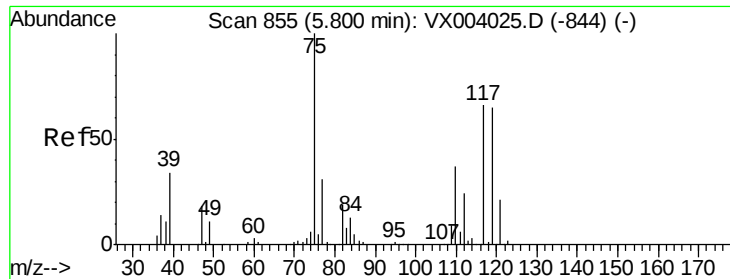
Tgt Ion:114 Resp: 541650
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 1.435 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion:113 Resp: 5819
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 21.7 19.0 28.4

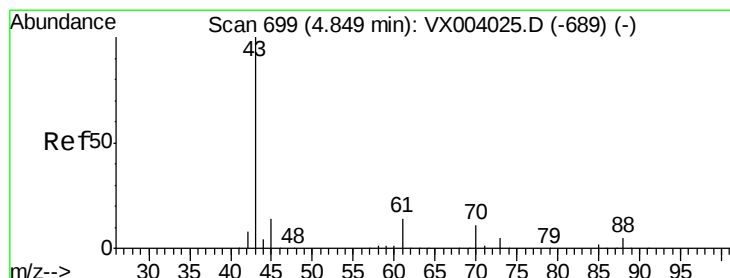
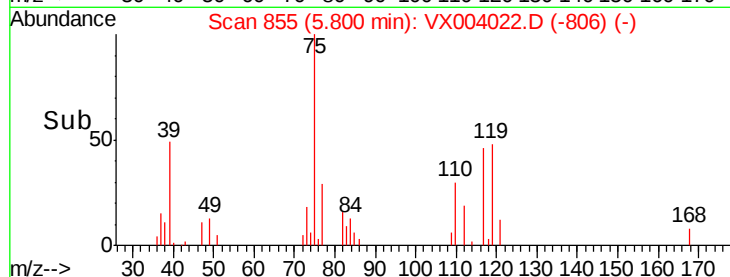
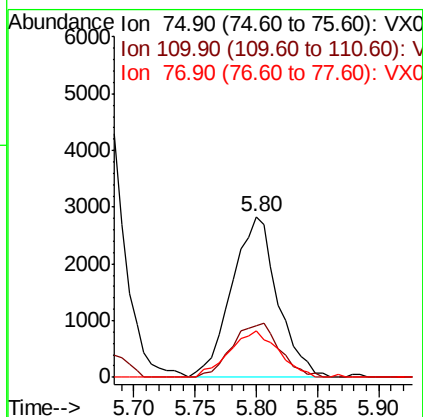
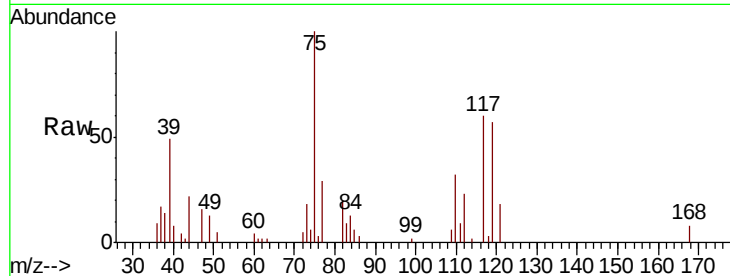




#36
 1,1-Dichloropropene
 Concen: 1.195 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

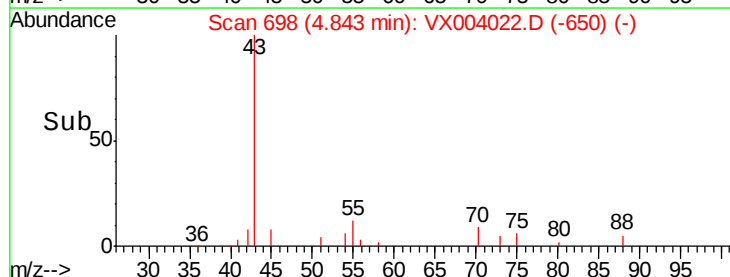
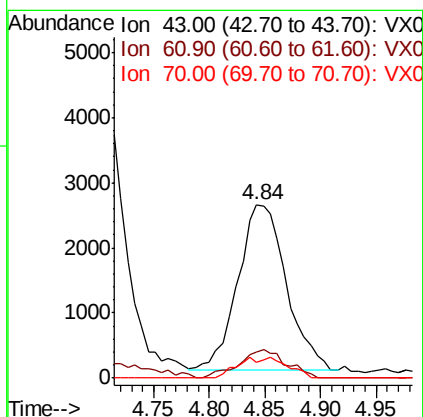
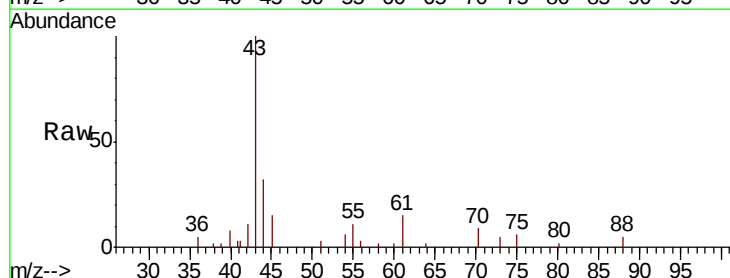
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

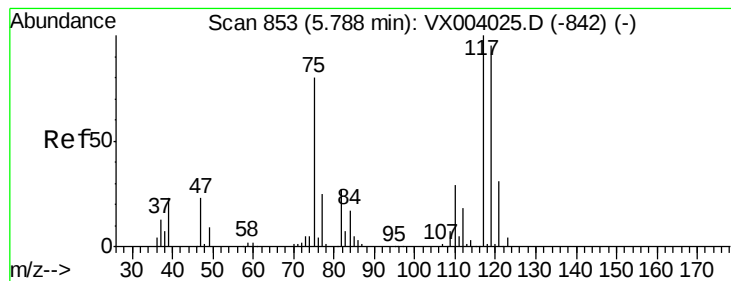
Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.2	54.6
77	31.0	25.0	37.4



#37
 Ethyl Acetate
 Concen: 1.140 ug/l
 RT: 4.84 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.1	11.5	17.3
70	5.7	9.0	13.4#





#38

Carbon Tetrachloride

Concen: 1.145 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

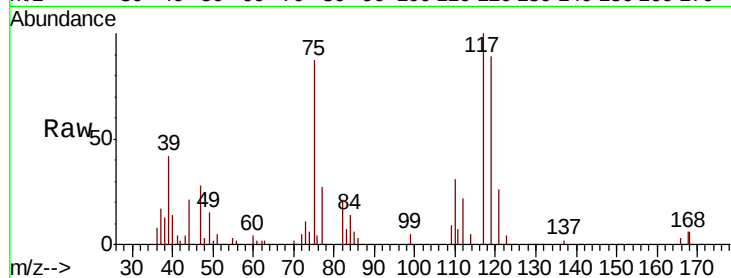
Tgt Ion: 117 Resp: 6855

Ion Ratio Lower Upper

117 100

119 89.0 79.5 119.3

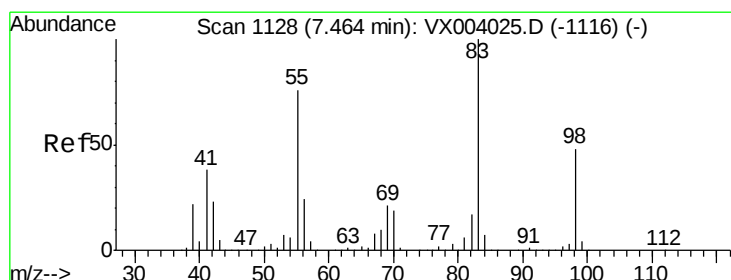
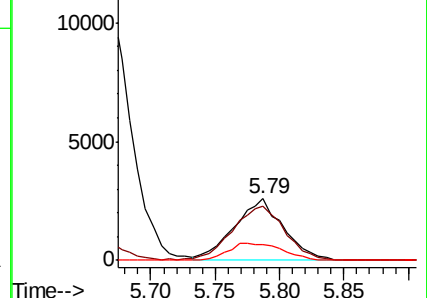
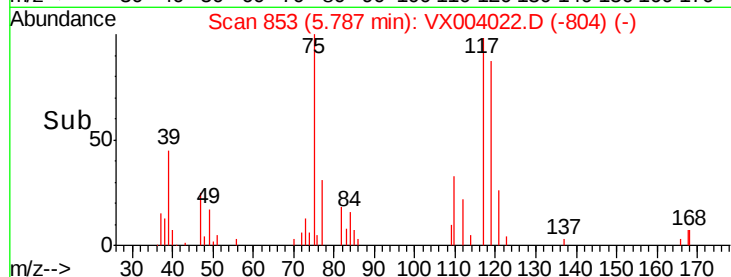
121 25.6 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.078 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

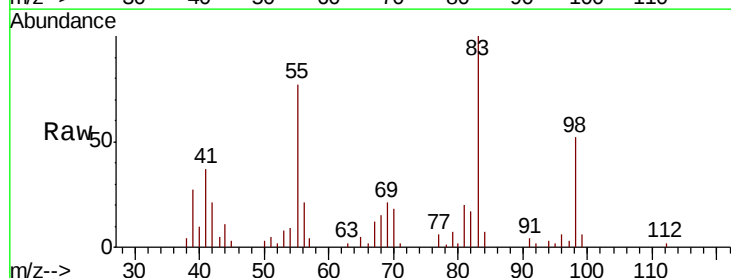
Tgt Ion: 83 Resp: 7535

Ion Ratio Lower Upper

83 100

55 76.9 61.0 91.6

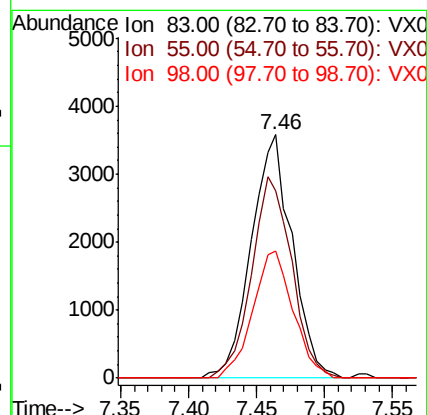
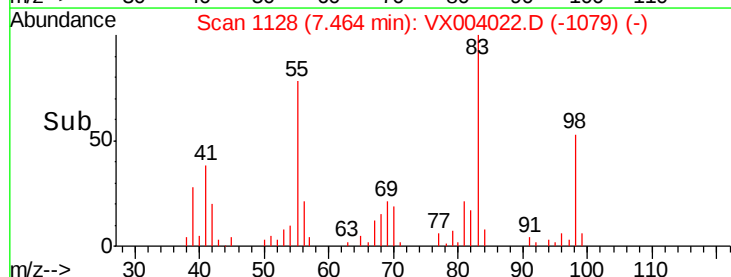
98 52.4 38.6 57.8

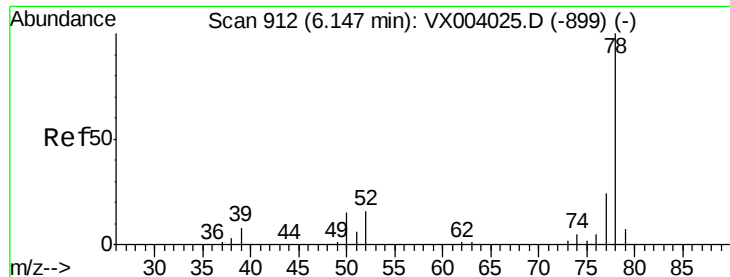


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.140 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

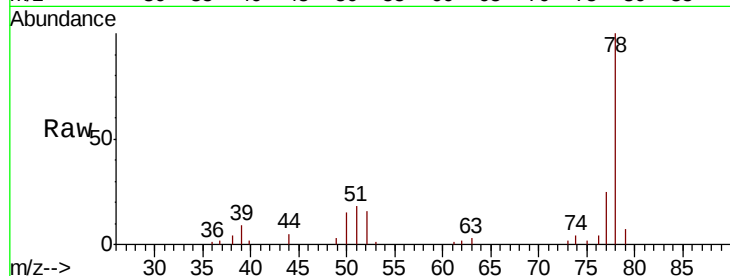
VSTDIC001

Tgt Ion: 78 Resp: 21096

Ion Ratio Lower Upper

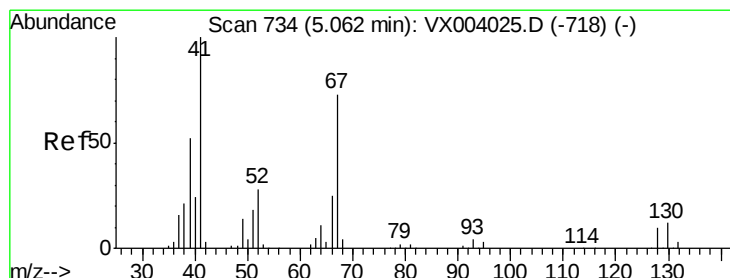
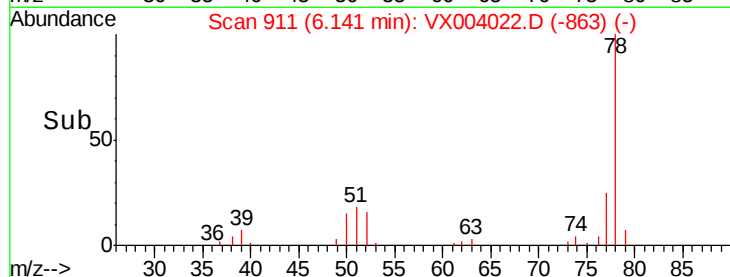
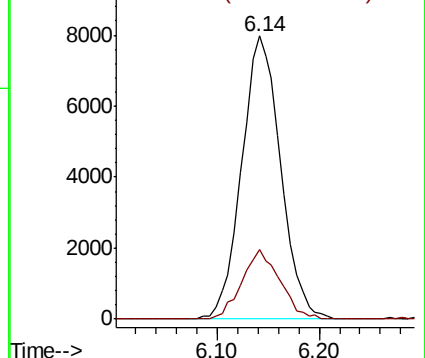
78 100

77 24.7 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: 1.205 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion: 41 Resp: 4528

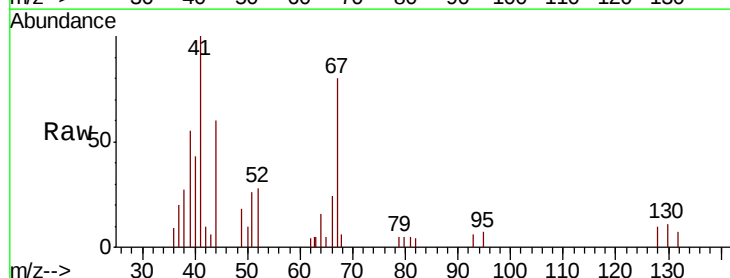
Ion Ratio Lower Upper

41 100

39 62.4 42.7 64.1

67 73.2 58.9 88.3

52 30.5 22.6 33.8

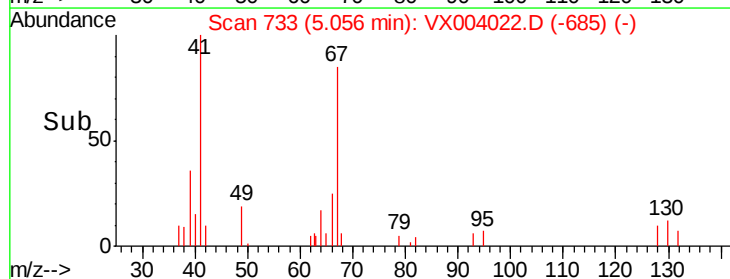
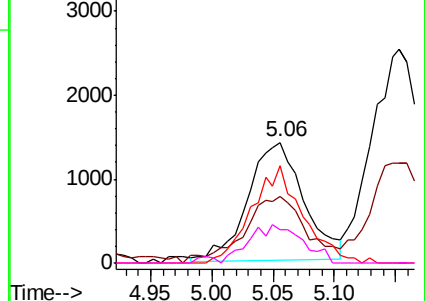


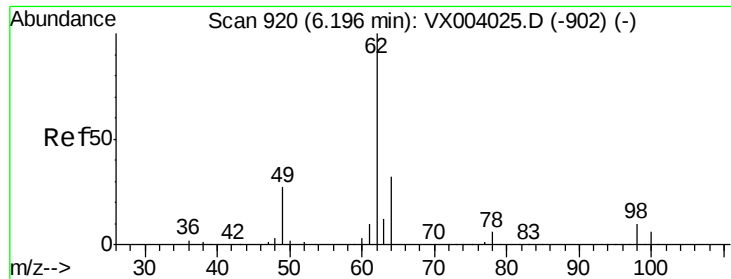
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#42

1,2-Dichloroethane

Concen: 1.175 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

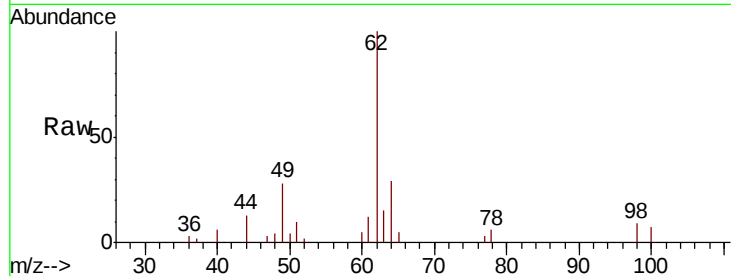
VSTDIC001

Tgt Ion: 62 Resp: 7610

Ion Ratio Lower Upper

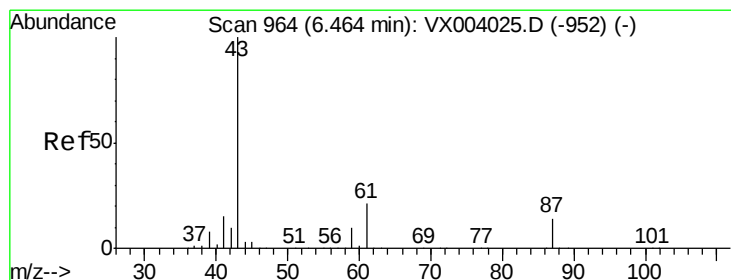
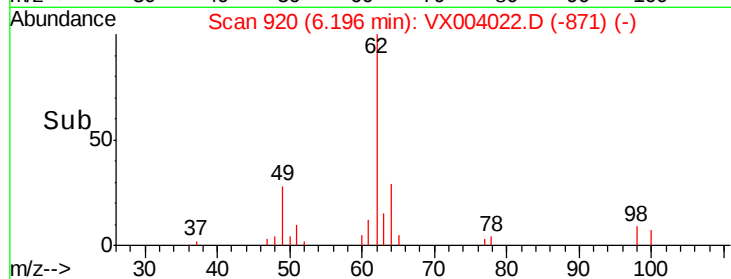
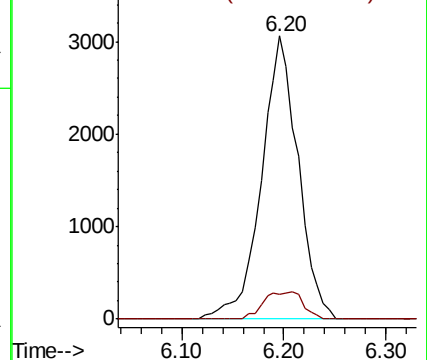
62 100

98 10.4 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 1.055 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

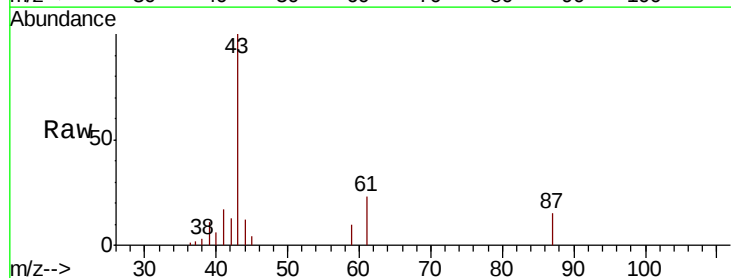
Tgt Ion: 43 Resp: 10434

Ion Ratio Lower Upper

43 100

61 22.7 16.9 25.3

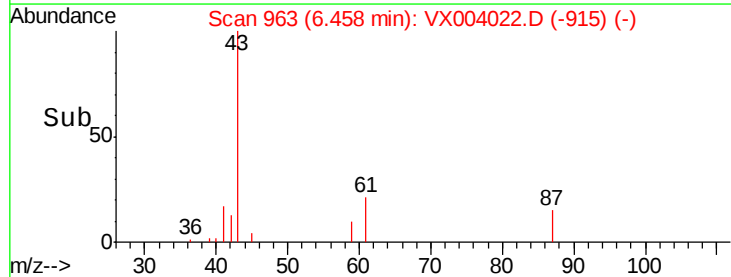
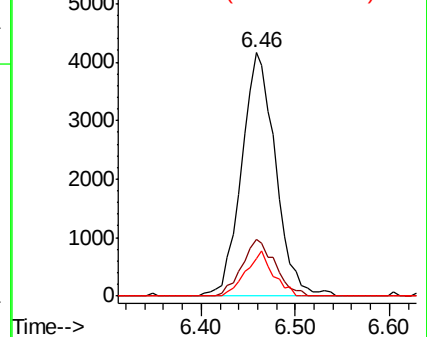
87 14.8 11.3 16.9

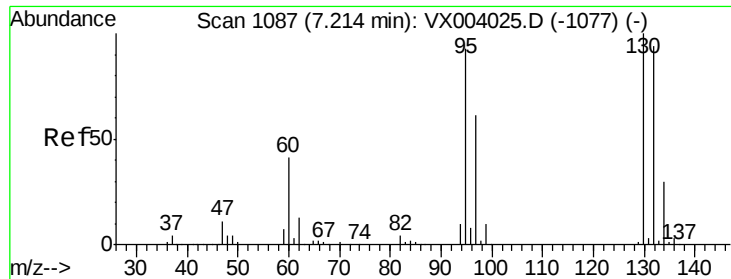


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

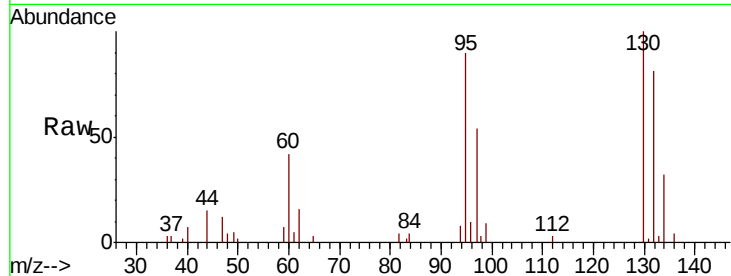




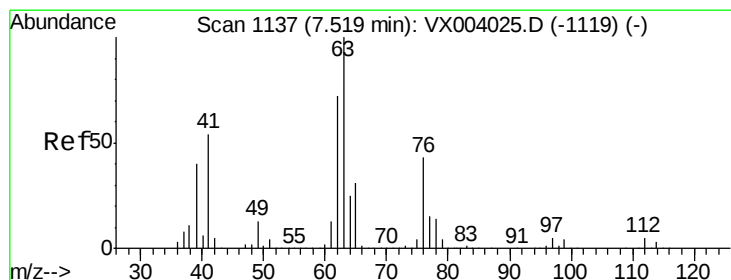
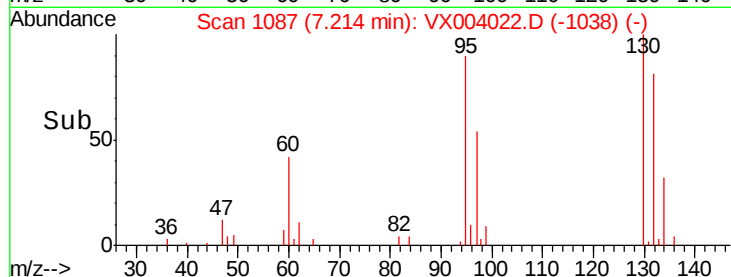
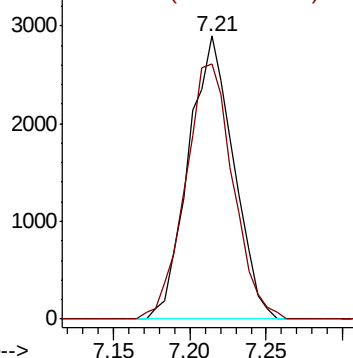
#44
 Trichloroethene
 Concen: 1.178 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion:130 Resp: 5921
 Ion Ratio Lower Upper
 130 100
 95 90.2 0.0 199.4

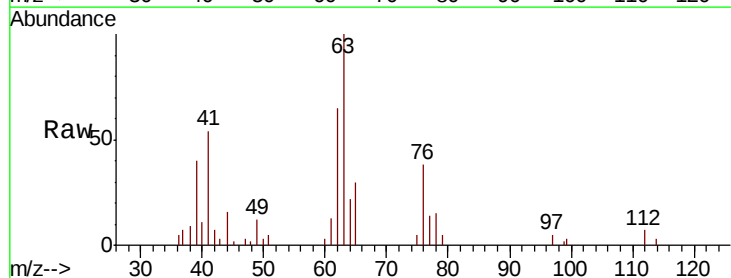


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

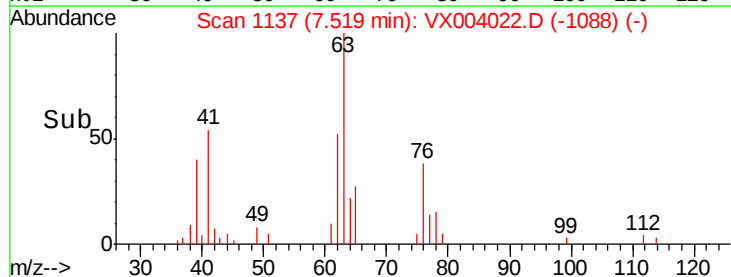
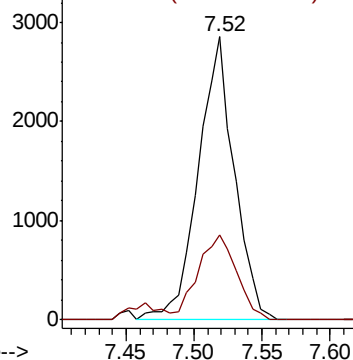


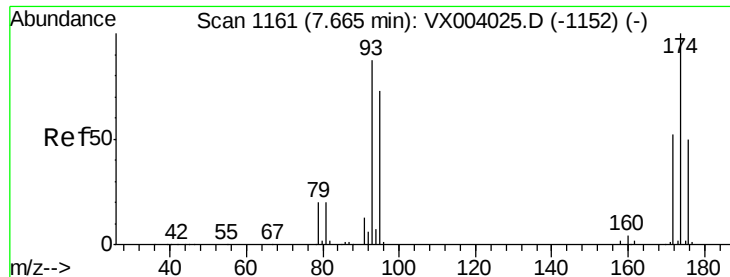
#45
 1,2-Dichloropropane
 Concen: 1.121 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 63 Resp: 5312
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 1.131 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

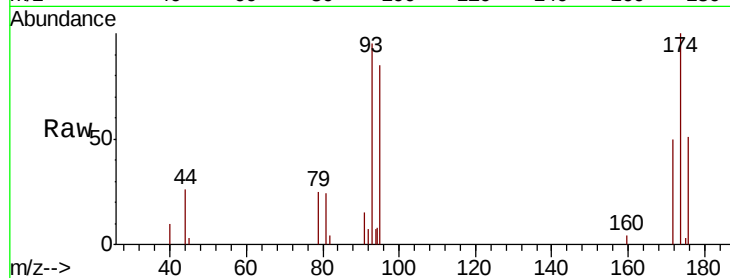
Tgt Ion: 93 Resp: 3502

Ion Ratio Lower Upper

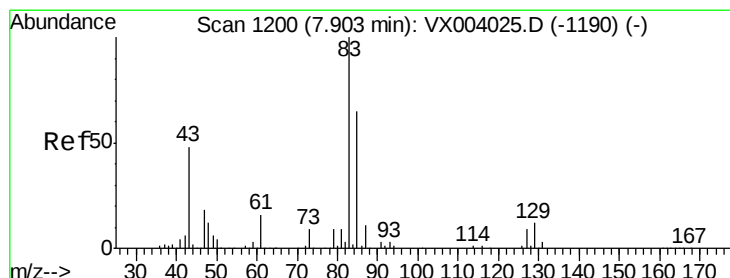
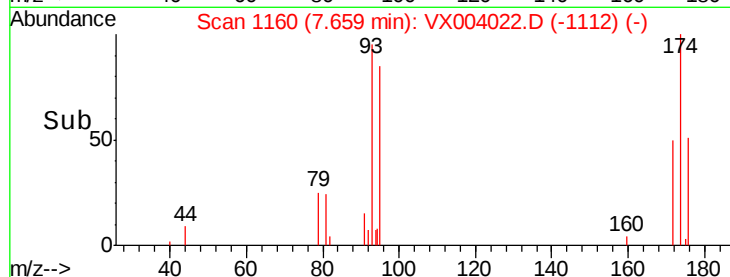
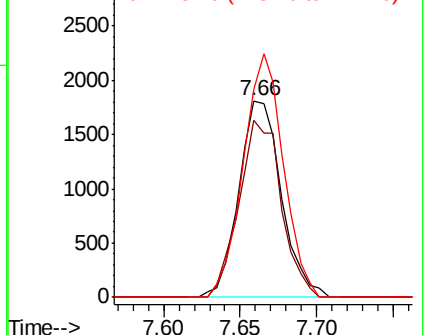
93 100

95 89.1 66.4 99.6

174 116.9 94.3 141.5



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: 1.062 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

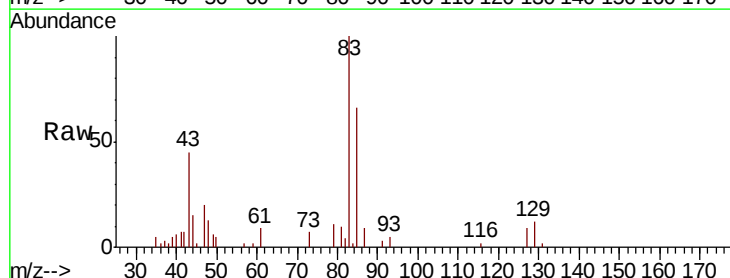
Tgt Ion: 83 Resp: 6225

Ion Ratio Lower Upper

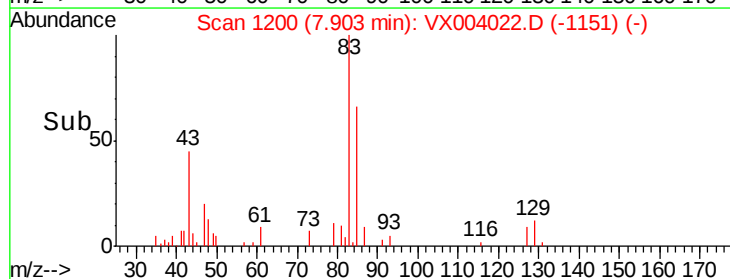
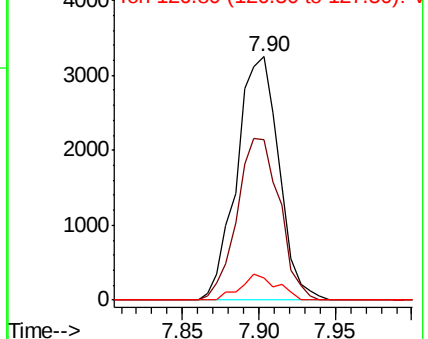
83 100

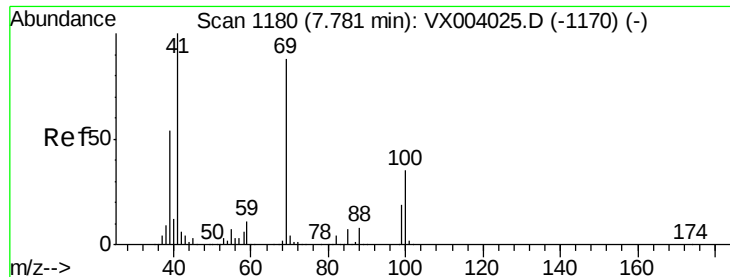
85 65.9 51.2 76.8

127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

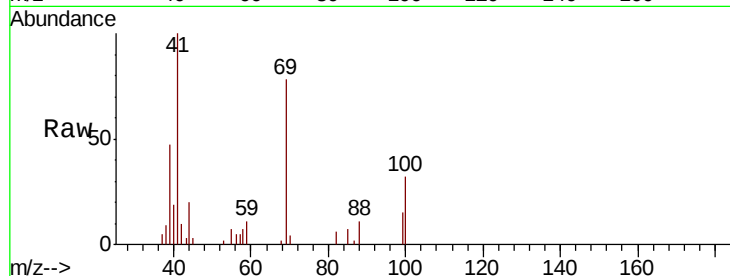




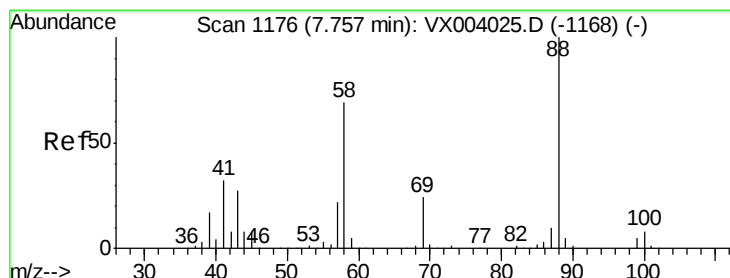
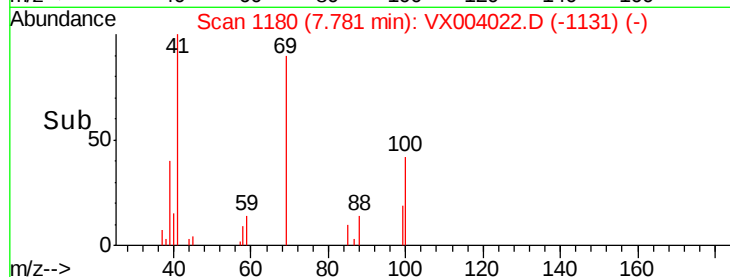
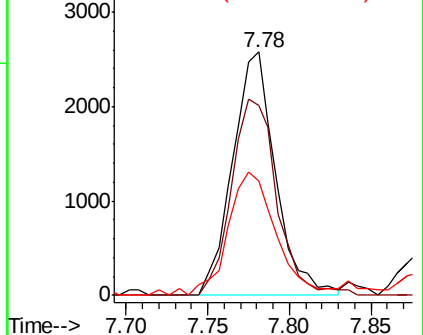
#48
Methyl methacrylate
Concen: 0.952 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 4743
Ion Ratio Lower Upper
41 100
69 84.8 68.8 103.2
39 56.5 42.3 63.5

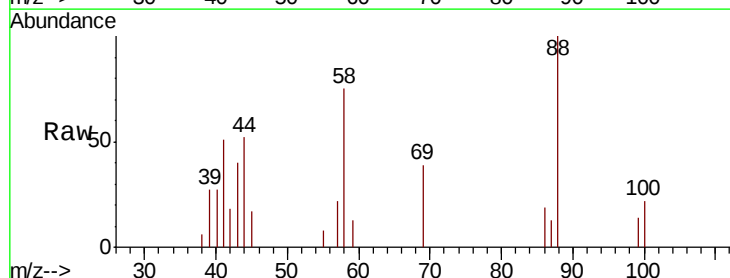


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

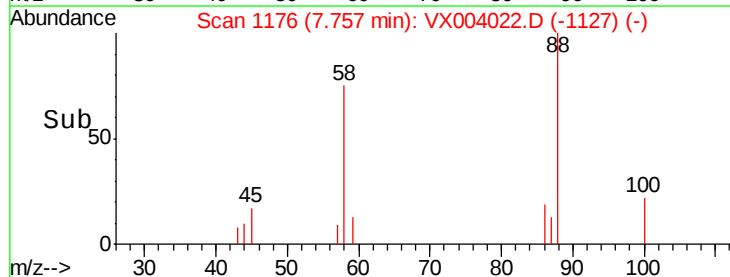
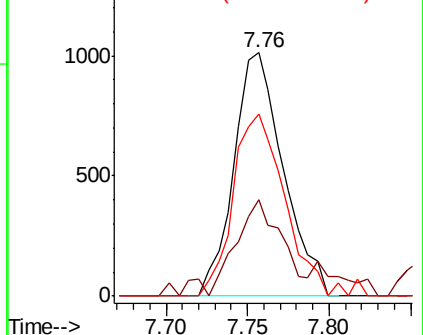


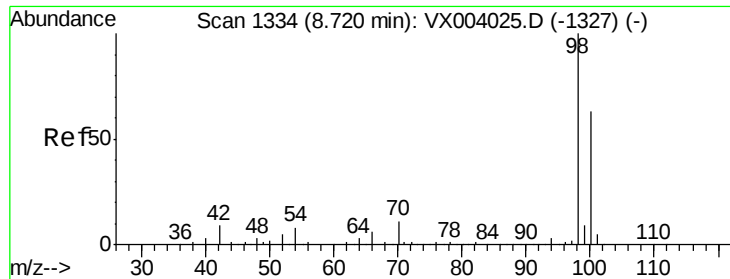
#49
1,4-Dioxane
Concen: 19.103 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 88 Resp: 2142
Ion Ratio Lower Upper
88 100
43 40.4 23.8 35.8#
58 77.7 55.4 83.0



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

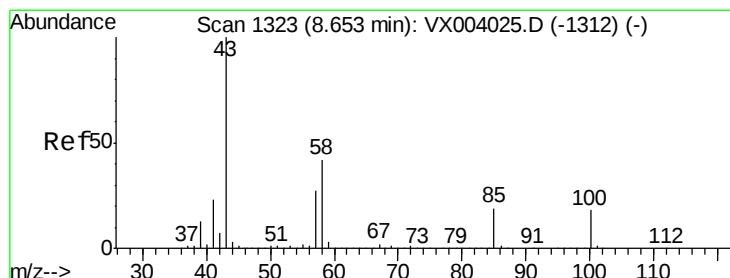
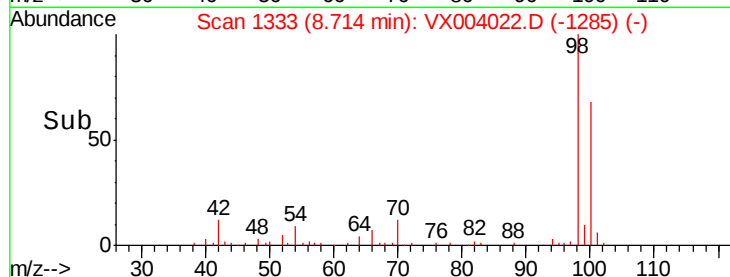
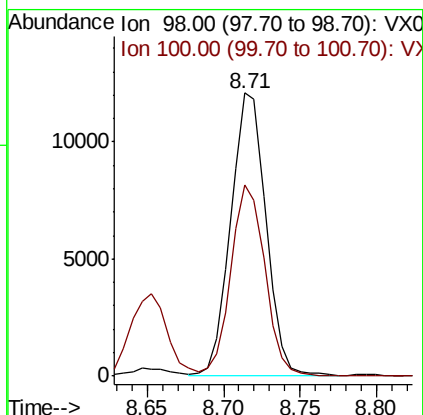
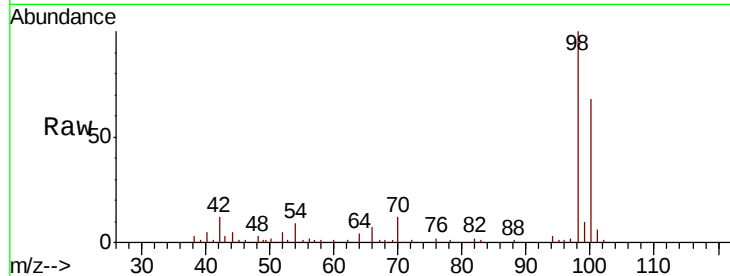




#50
Toluene-d8
Concen: 1.178 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

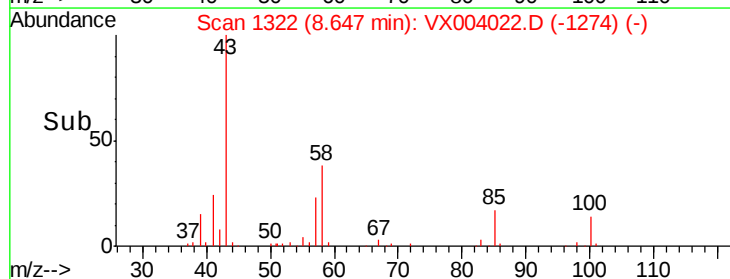
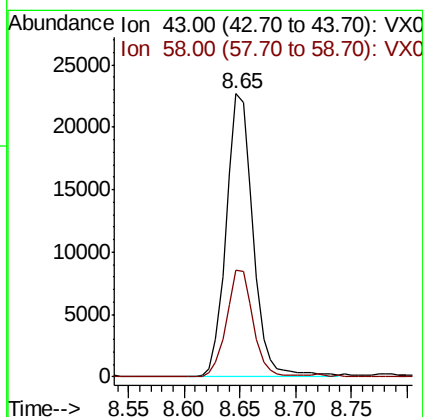
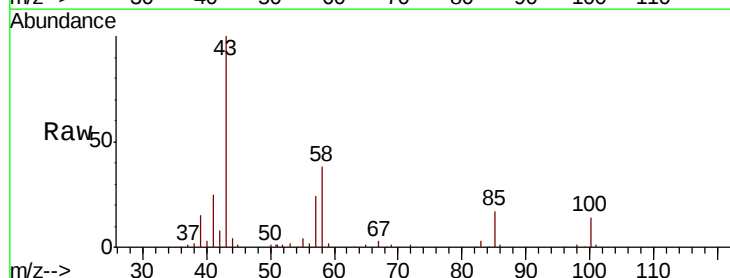
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

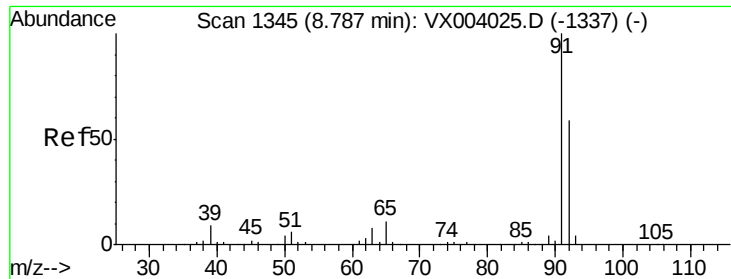
Tgt Ion: 98 Resp: 19369
Ion Ratio Lower Upper
98 100
100 65.0 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 4.694 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 43 Resp: 38078
Ion Ratio Lower Upper
43 100
58 36.9 33.0 49.6





#52

Toluene

Concen: 1.061 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

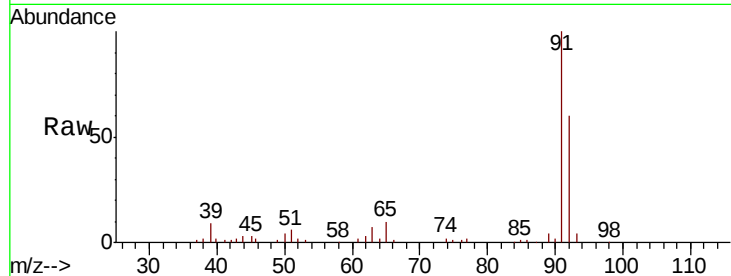
VSTDIC001

Tgt Ion: 92 Resp: 12422

Ion Ratio Lower Upper

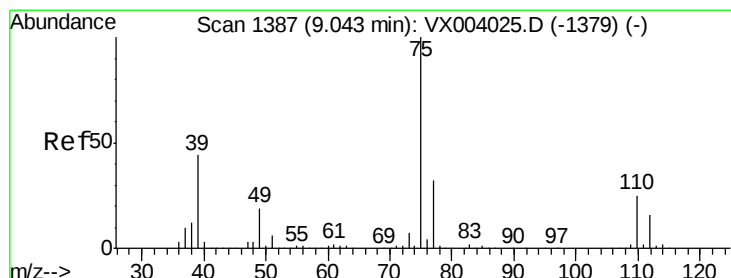
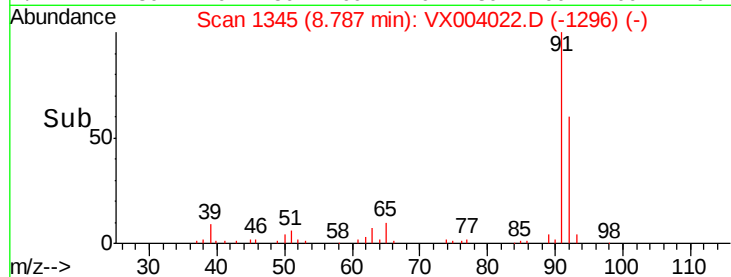
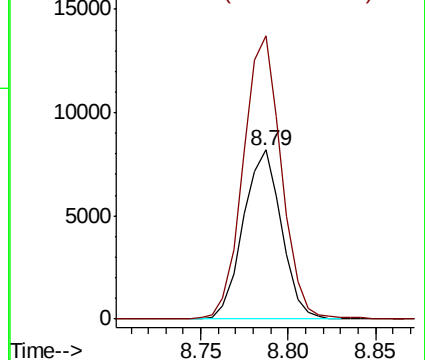
92 100

91 167.5 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.913 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004022.D

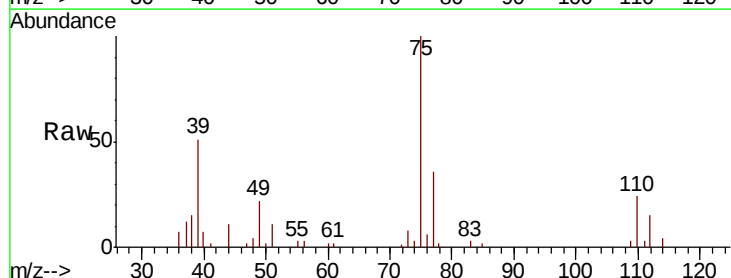
Acq: 14 Aug 2018 10:41

Tgt Ion: 75 Resp: 5786

Ion Ratio Lower Upper

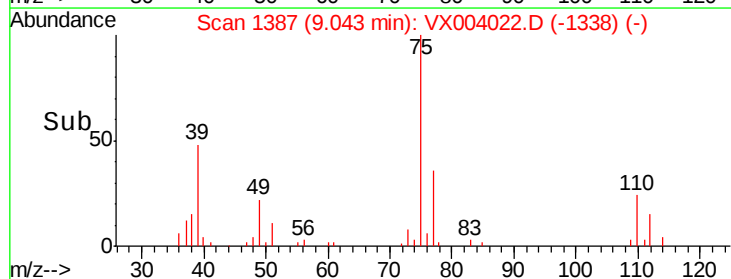
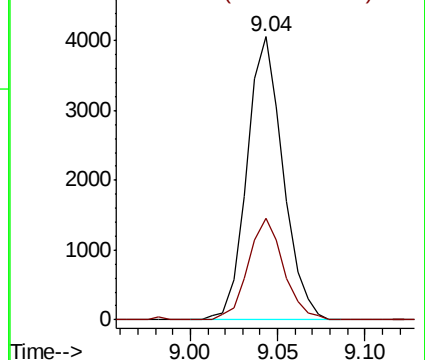
75 100

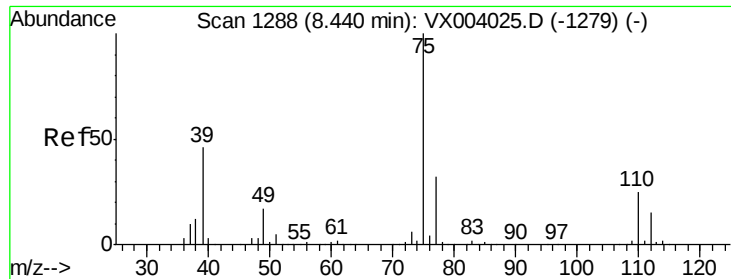
77 35.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

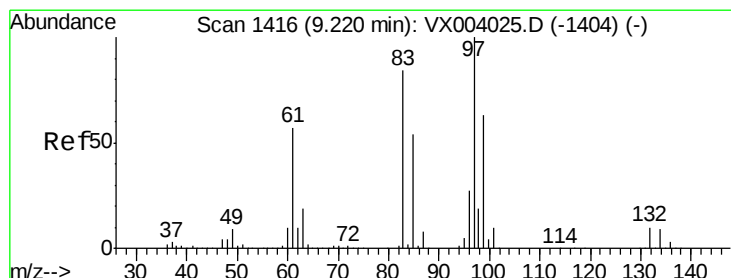
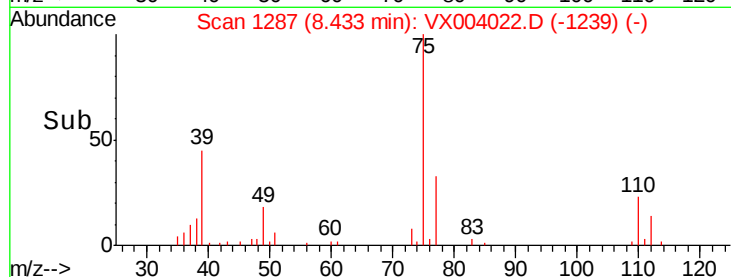
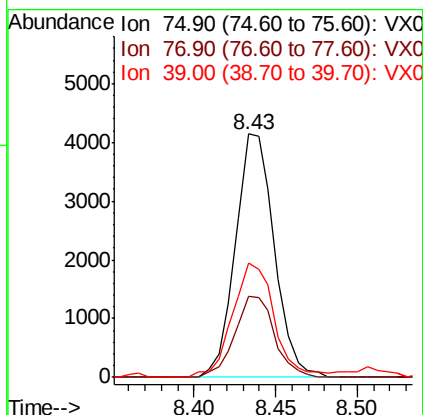
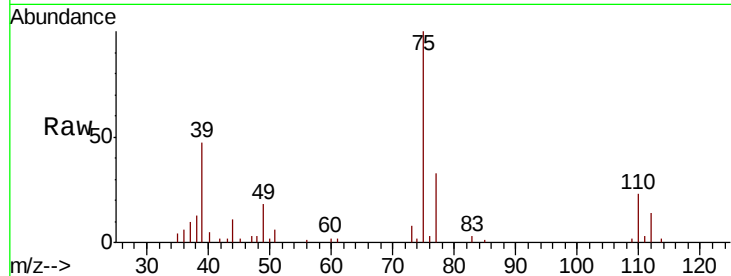




#54
 cis-1,3-Dichloropropene
 Concen: 0.980 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

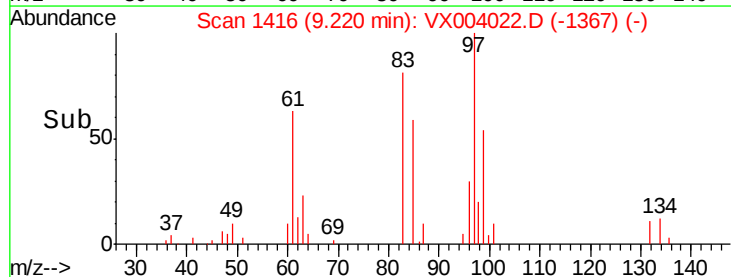
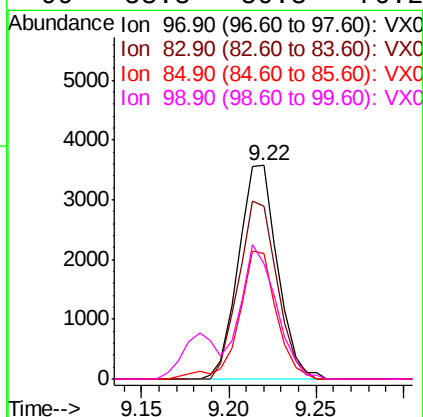
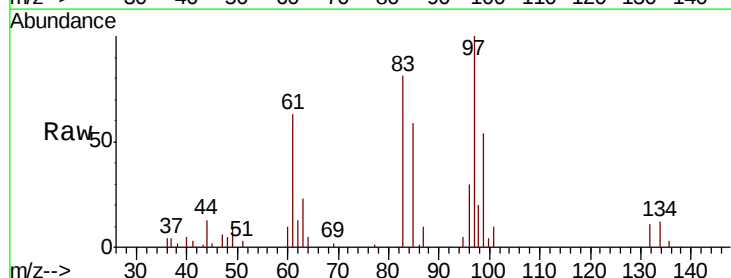
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

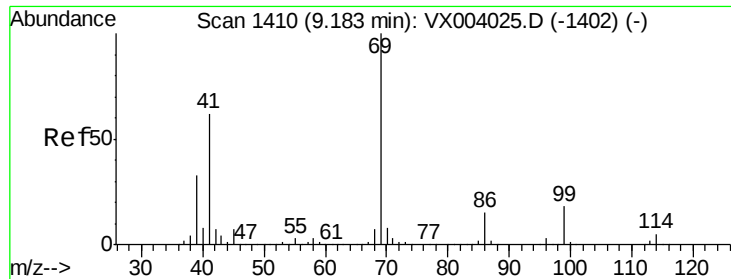
Tgt Ion: 75 Resp: 6873
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.3 37.9
 39 47.1 36.2 54.2



#55
 1,1,2-Trichloroethane
 Concen: 1.151 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 97 Resp: 5563
 Ion Ratio Lower Upper
 97 100
 83 81.2 67.8 101.6
 85 58.5 44.2 66.2
 99 53.8 50.8 76.2





#56

Ethyl methacrylate

Concen: 0.853 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

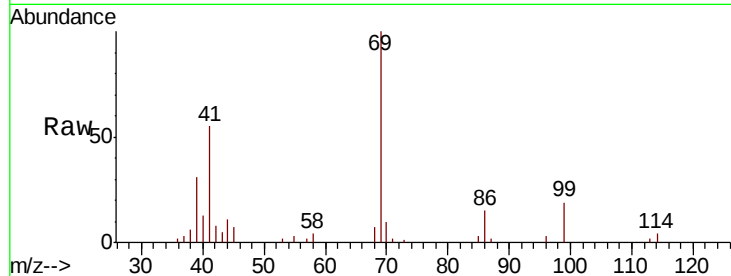
Tgt Ion: 69 Resp: 5608

Ion Ratio Lower Upper

69 100

41 65.2 50.6 76.0

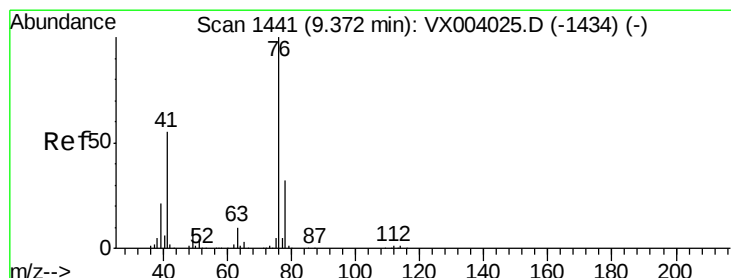
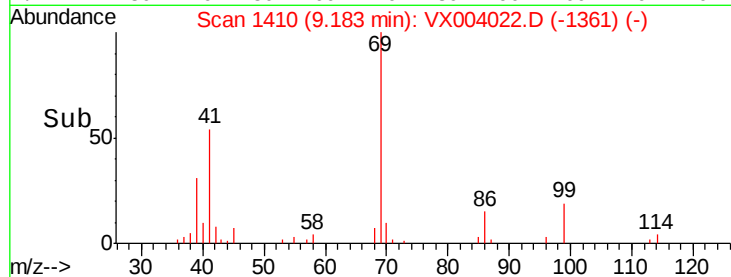
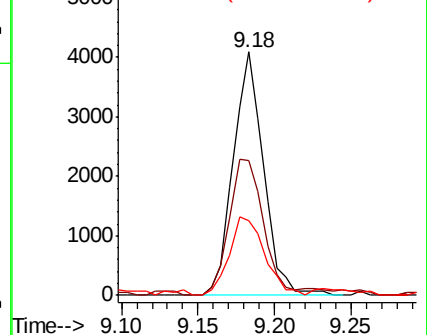
39 37.5 25.8 38.6



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.078 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004022.D

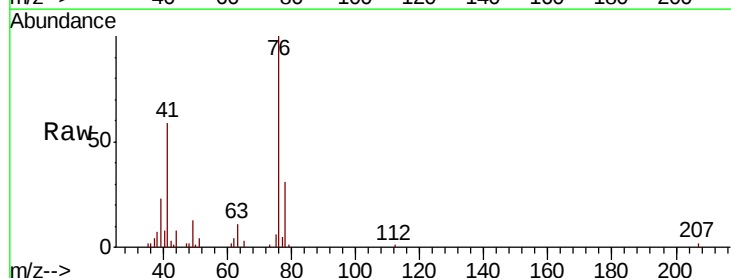
Acq: 14 Aug 2018 10:41

Tgt Ion: 76 Resp: 8647

Ion Ratio Lower Upper

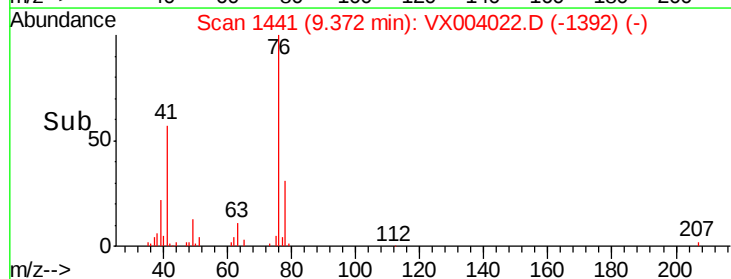
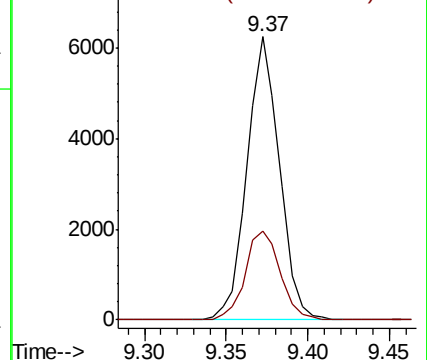
76 100

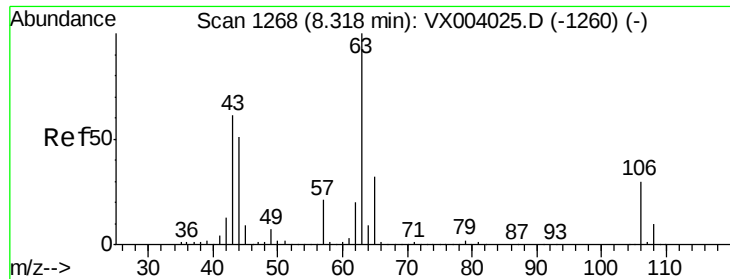
78 33.9 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

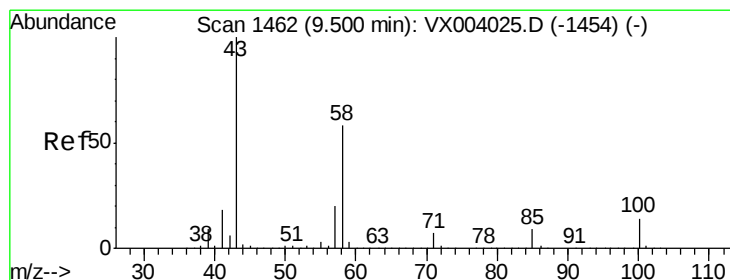
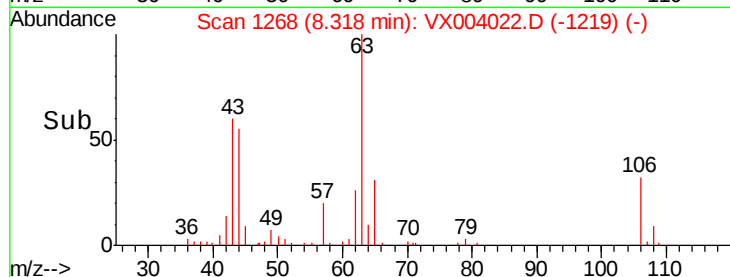
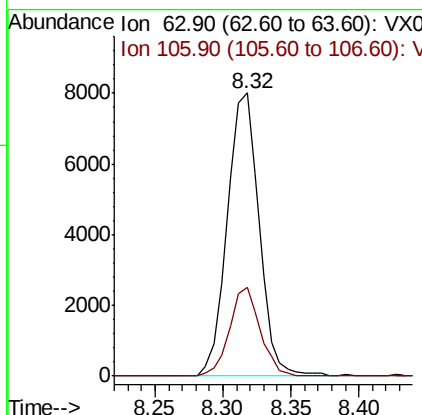
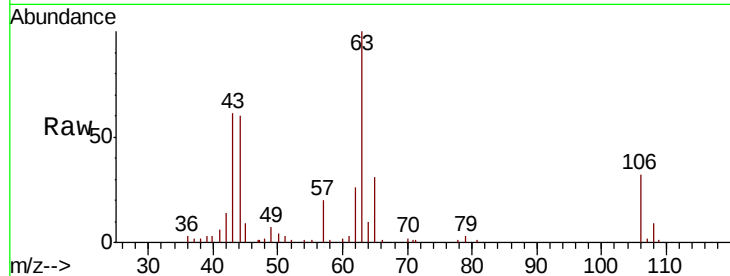




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.902 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

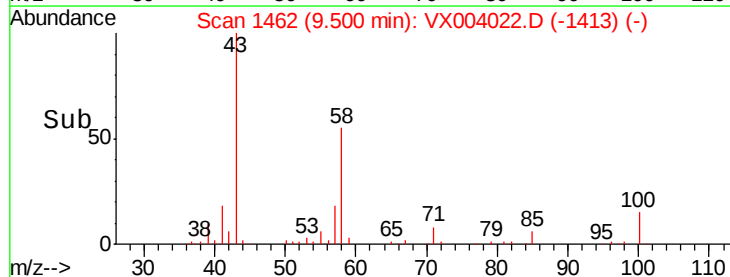
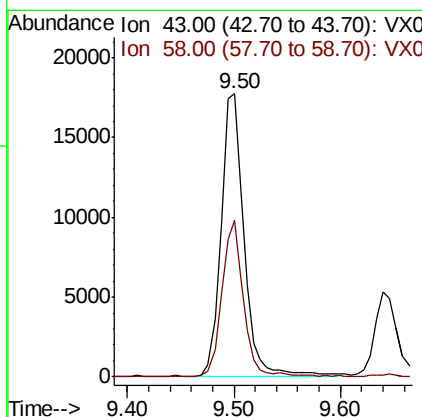
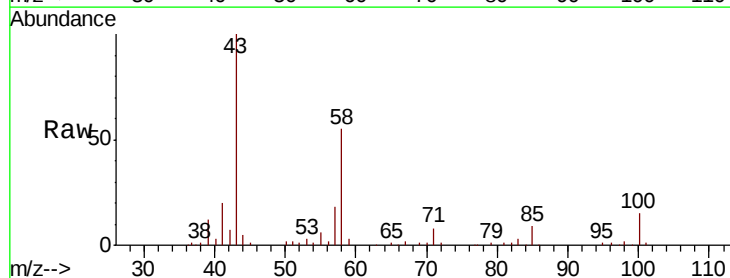
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

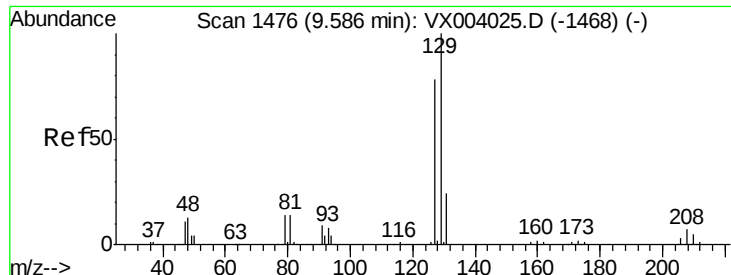
Tgt Ion: 63 Resp: 13059
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8



#59
 2-Hexanone
 Concen: 4.426 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 43 Resp: 27021
 Ion Ratio Lower Upper
 43 100
 58 51.2 29.0 87.0





#60

Dibromochloromethane

Concen: 1.018 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

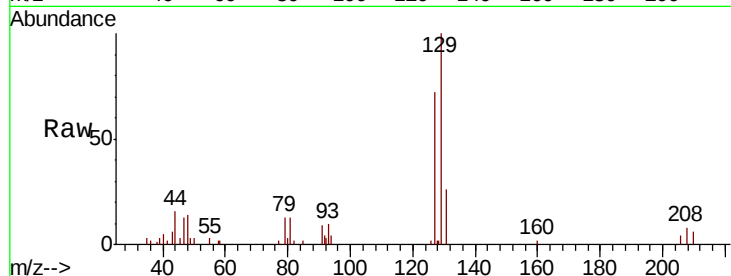
VSTDIC001

Tgt Ion:129 Resp: 4734

Ion Ratio Lower Upper

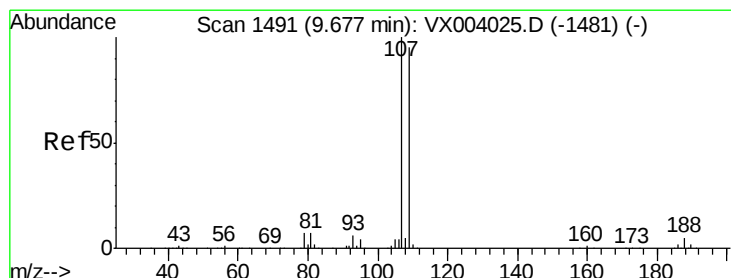
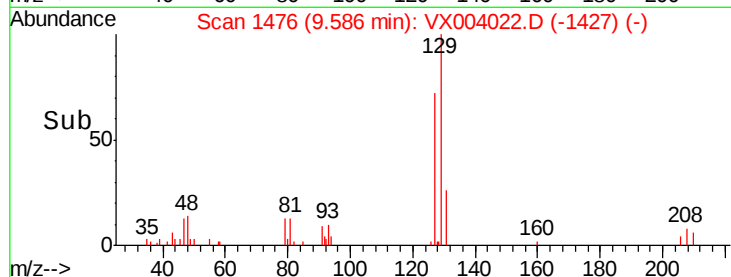
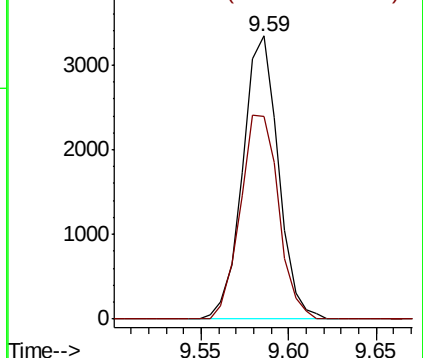
129 100

127 77.1 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.055 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004022.D

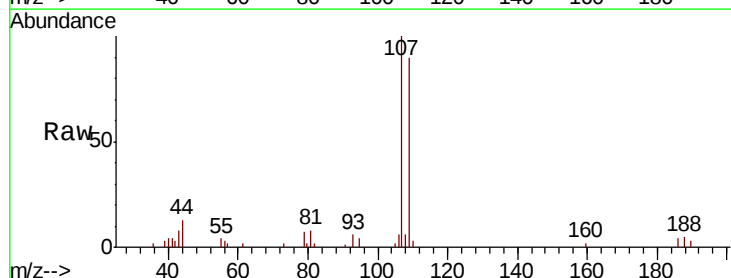
Acq: 14 Aug 2018 10:41

Tgt Ion:107 Resp: 5200

Ion Ratio Lower Upper

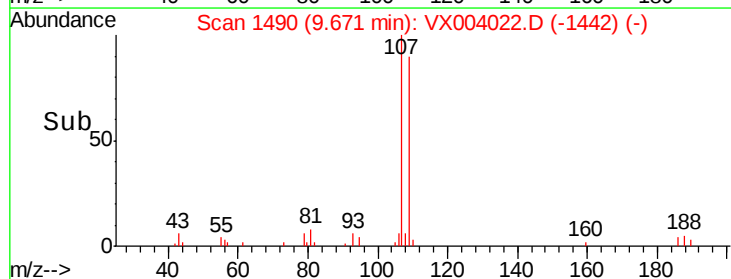
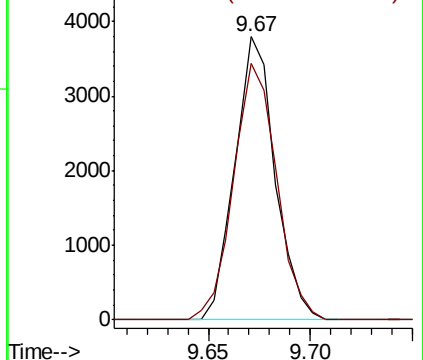
107 100

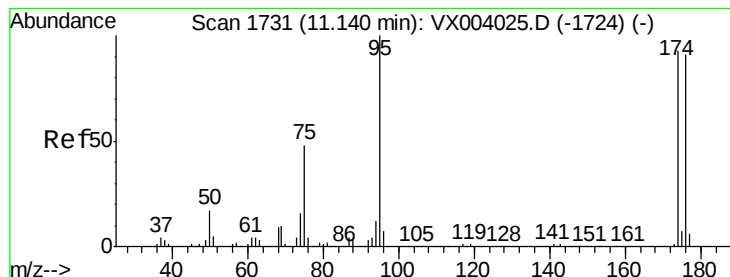
109 96.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 1.015 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

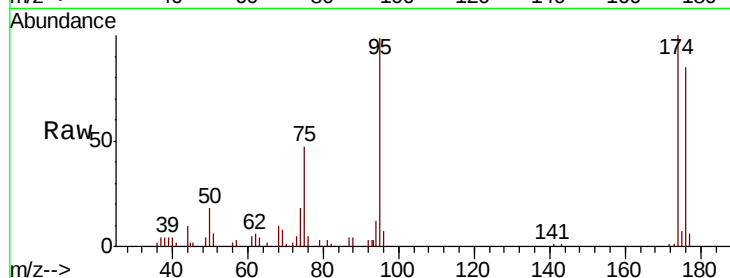
Tgt Ion: 95 Resp: 6048

Ion Ratio Lower Upper

95 100

174 96.0 0.0 182.8

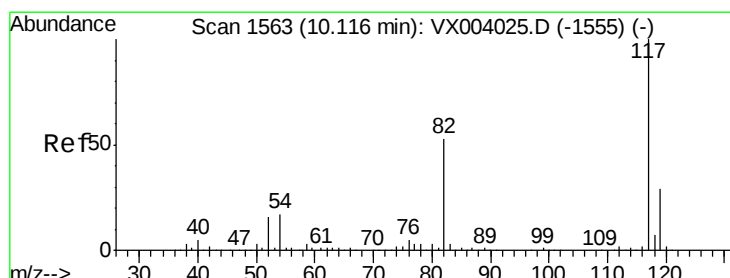
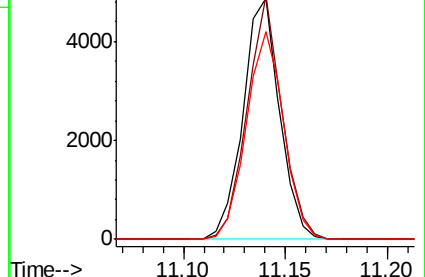
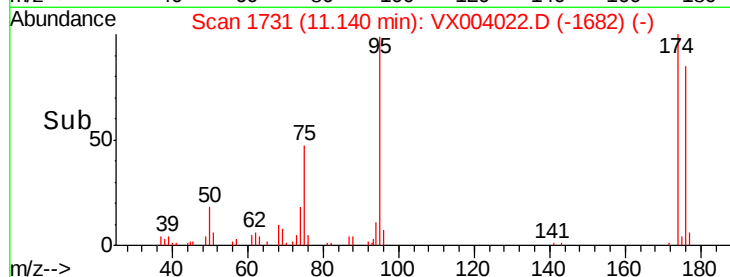
176 88.4 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004022.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004022.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004022.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

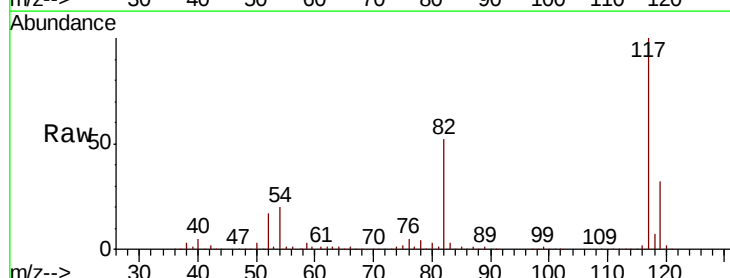
Tgt Ion: 117 Resp: 510007

Ion Ratio Lower Upper

117 100

82 52.4 45.4 68.0

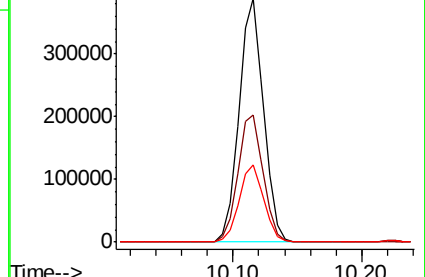
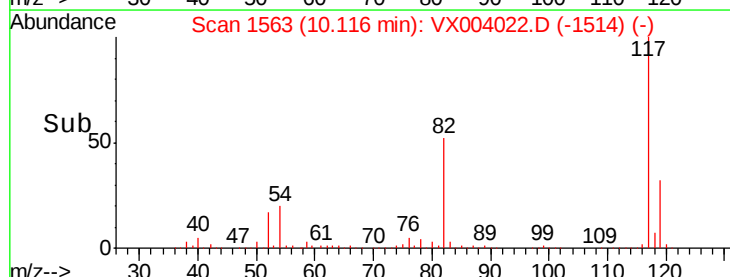
119 31.5 26.6 40.0

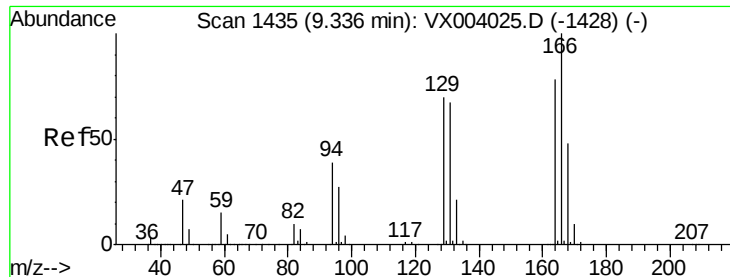


Abundance Ion 116.90 (116.60 to 117.60): VX004022.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004022.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004022.D (-1514) (-)





#64

Tetrachloroethene

Concen: 1.171 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 5660

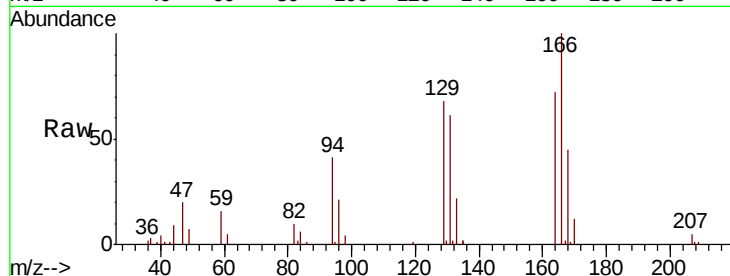
Ion Ratio Lower Upper

164 100

166 139.1 98.0 147.0

129 95.0 64.3 96.5

131 84.3 66.8 100.2

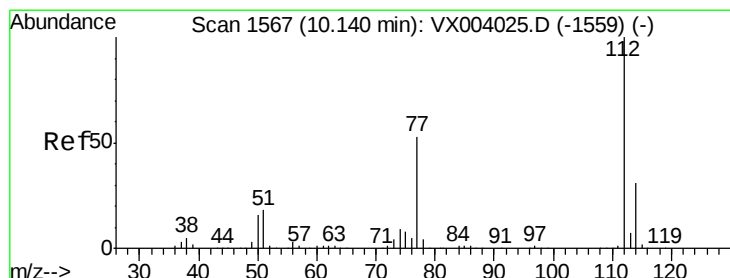
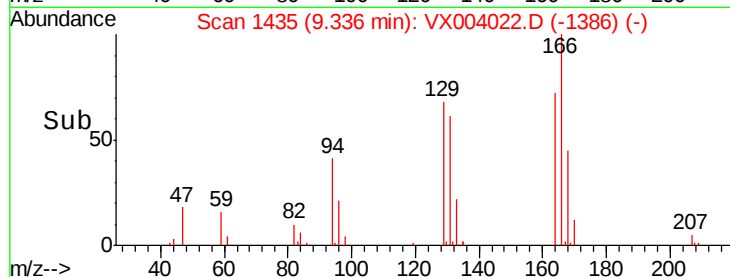
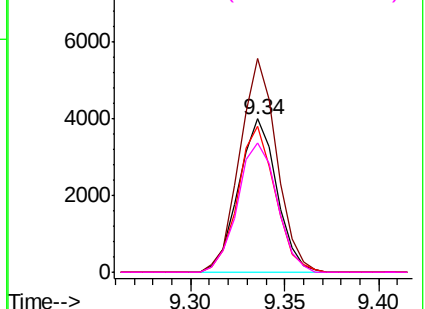


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.202 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004022.D

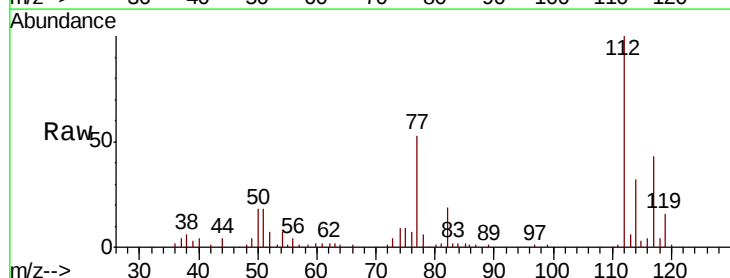
Acq: 14 Aug 2018 10:41

Tgt Ion:112 Resp: 15838

Ion Ratio Lower Upper

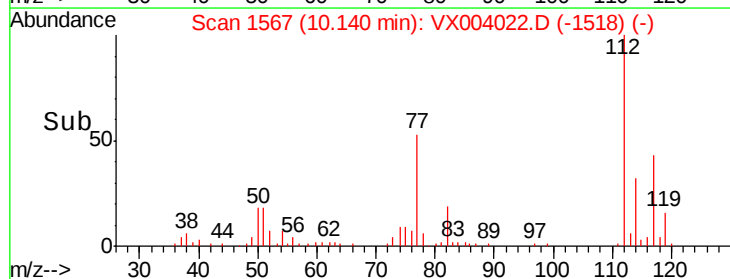
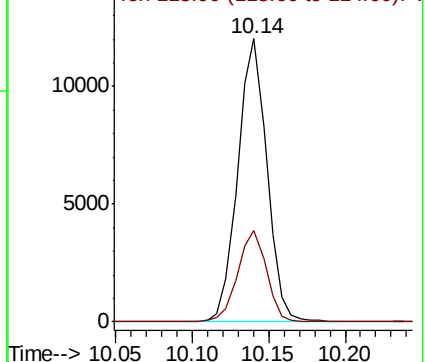
112 100

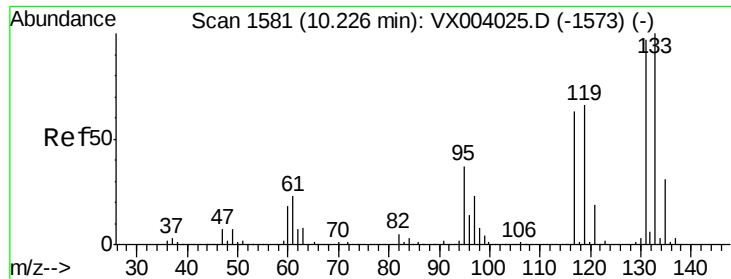
114 32.2 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.047 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

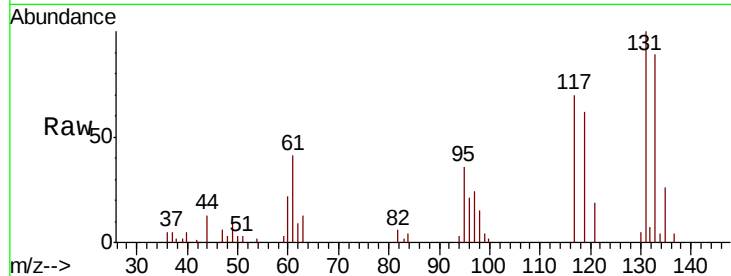
Tgt Ion: 131 Resp: 4706

Ion Ratio Lower Upper

131 100

133 97.4 47.3 141.8

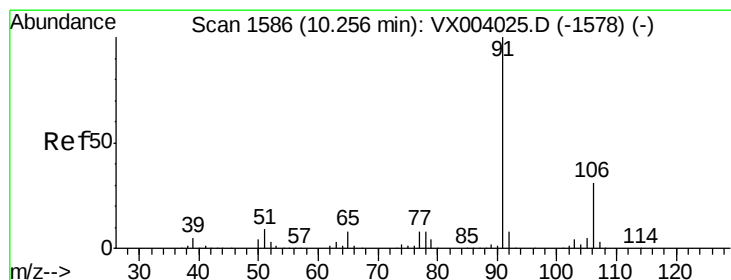
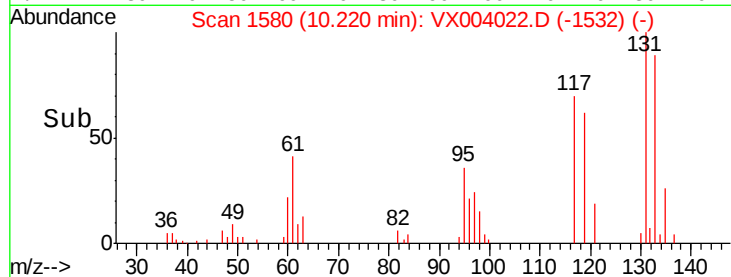
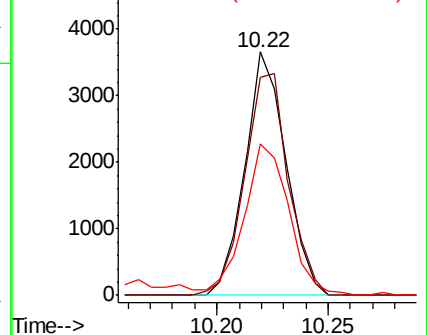
119 0.0 31.6 94.8#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.046 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004022.D

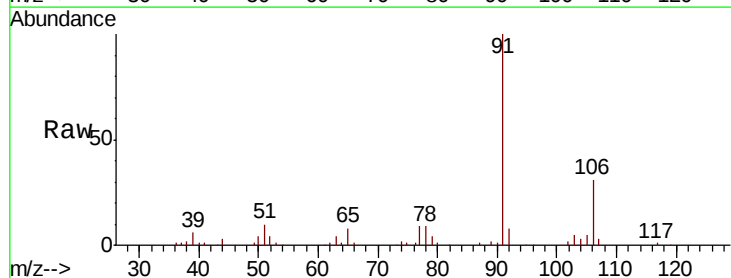
Acq: 14 Aug 2018 10:41

Tgt Ion: 91 Resp: 21826

Ion Ratio Lower Upper

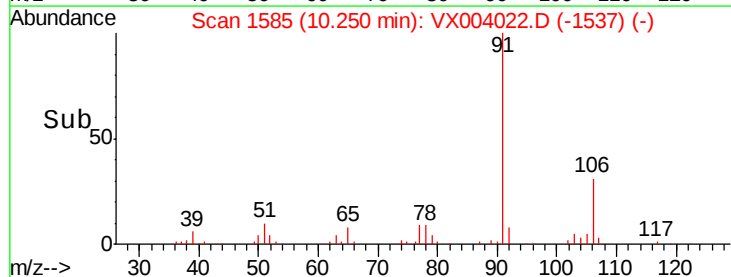
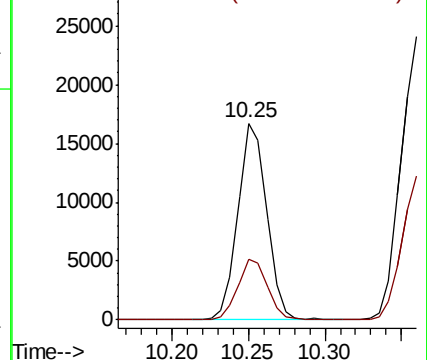
91 100

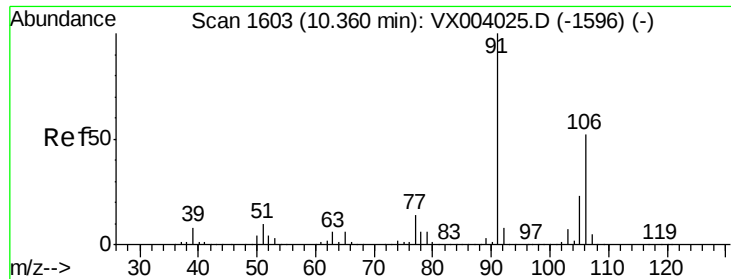
106 31.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

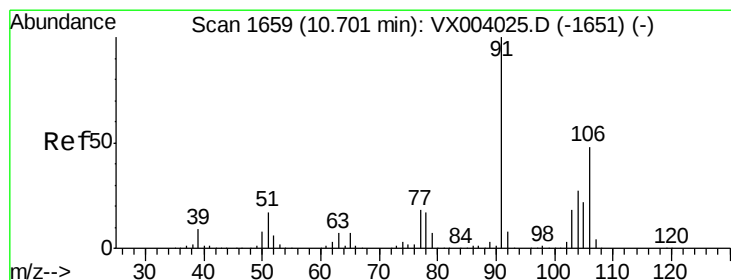
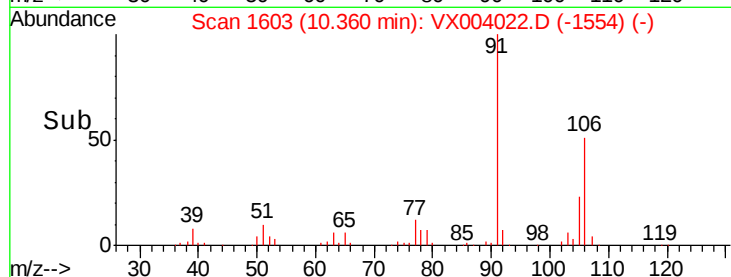
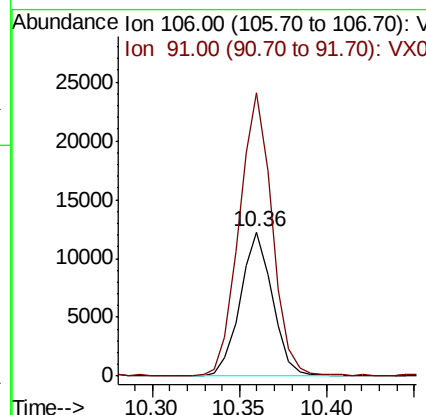
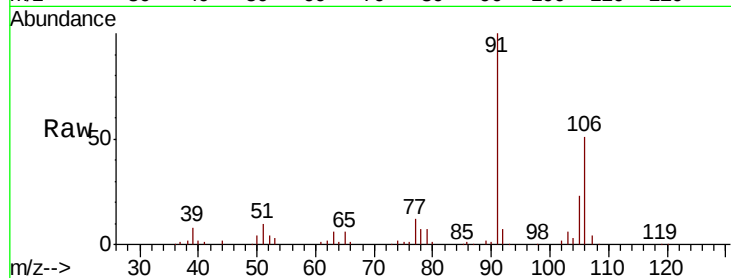




#68
m/p-Xylenes
Concen: 1.922 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

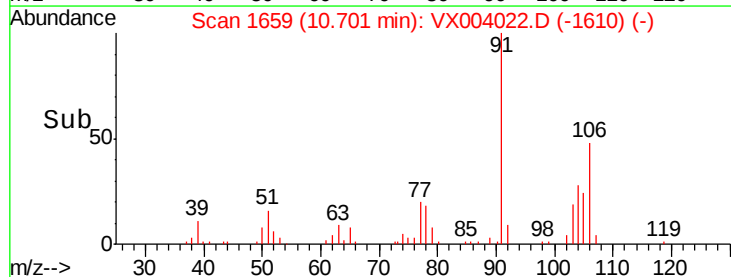
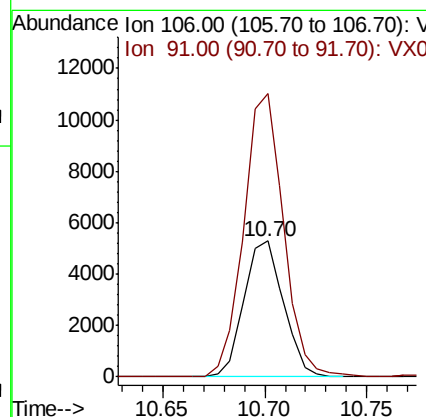
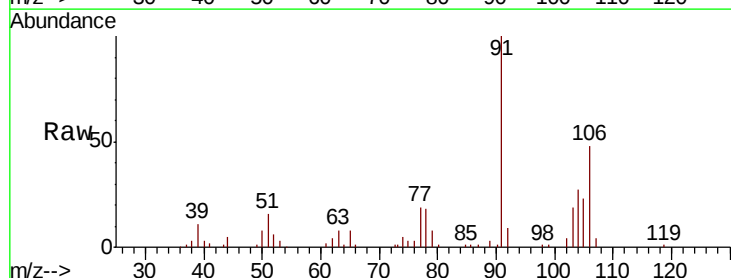
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

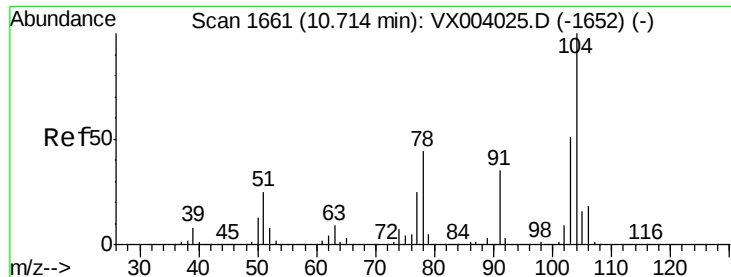
Tgt Ion:106 Resp: 15703
Ion Ratio Lower Upper
106 100
91 200.9 162.3 243.5



#69
o-Xylene
Concen: 0.910 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion:106 Resp: 7107
Ion Ratio Lower Upper
106 100
91 209.9 101.9 305.7





#70

Styrene

Concen: 0.815 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

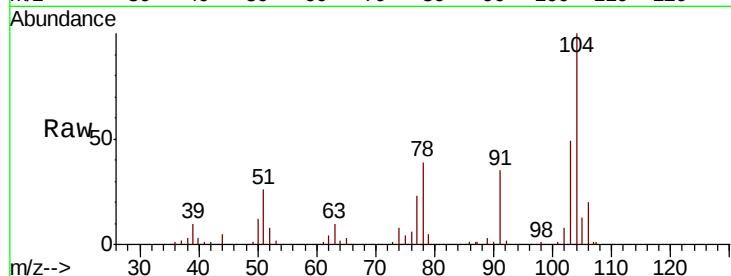
Tgt Ion:104 Resp: 10712

Ion Ratio Lower Upper

104 100

78 49.5 39.8 59.6

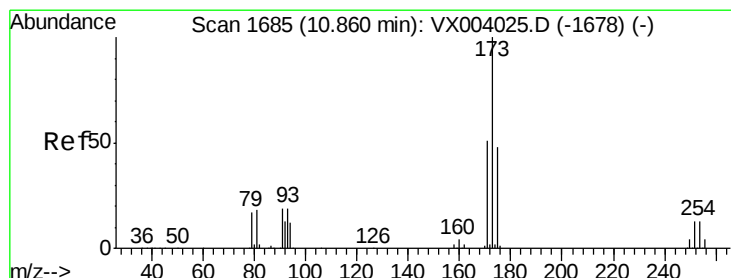
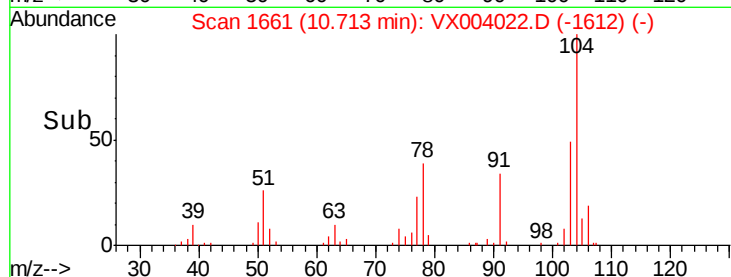
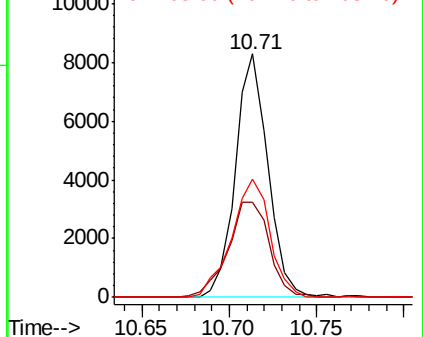
103 57.2 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.896 ug/l

RT: 10.85 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

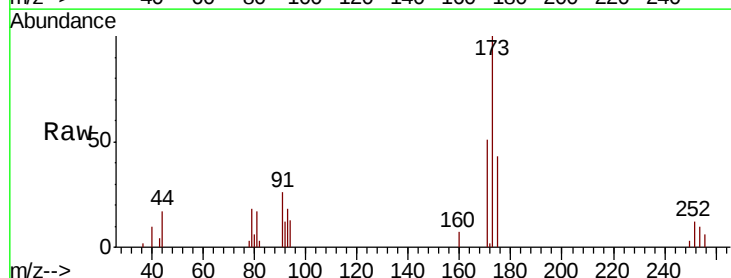
Tgt Ion:173 Resp: 3194

Ion Ratio Lower Upper

173 100

175 48.8 24.9 74.7

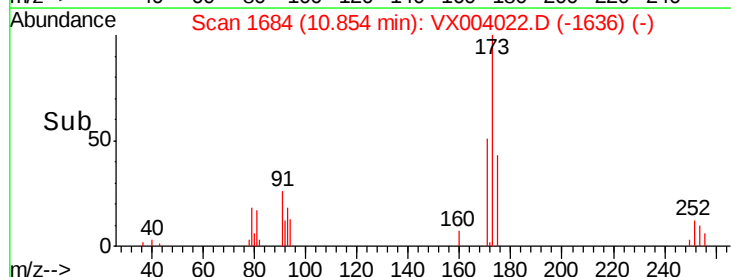
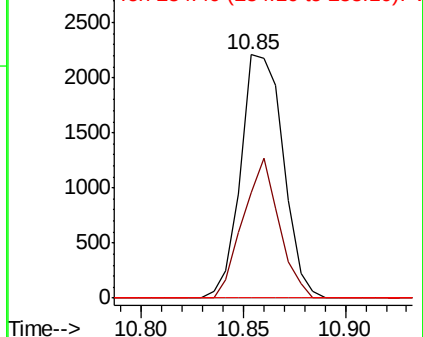
254 0.0 0.2 0.2#

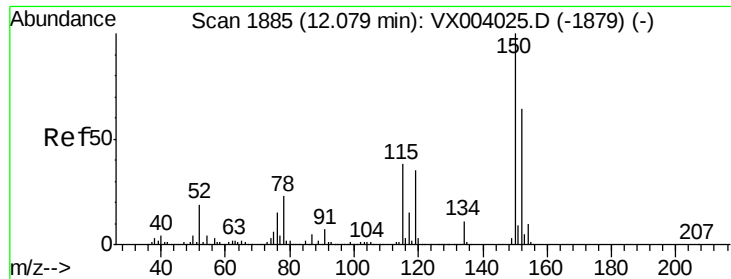


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

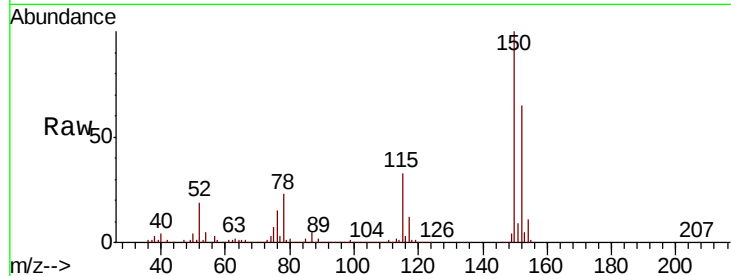
Tgt Ion:152 Resp: 276555

Ion Ratio Lower Upper

152 100

115 53.2 39.1 117.3

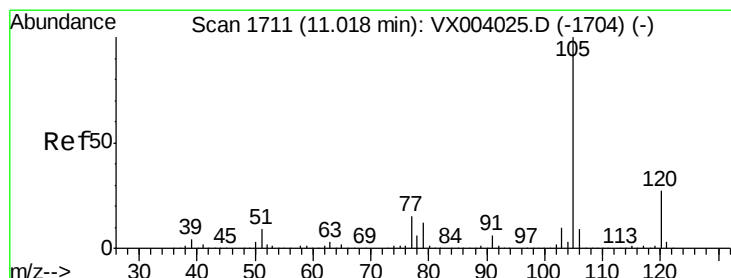
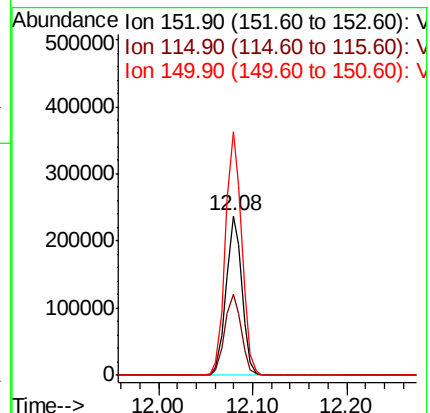
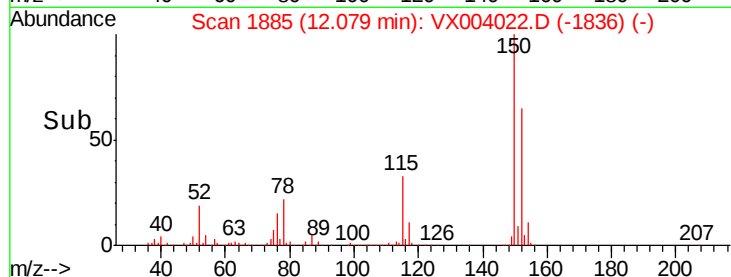
150 156.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.976 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004022.D

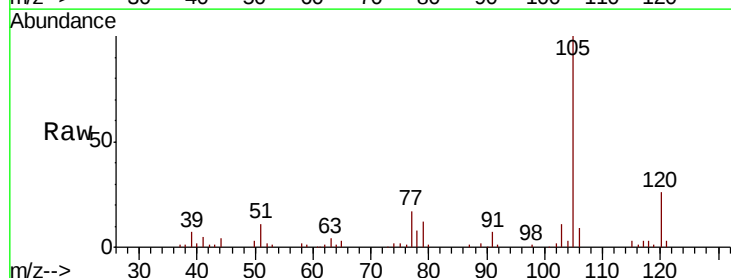
Acq: 14 Aug 2018 10:41

Tgt Ion:105 Resp: 18265

Ion Ratio Lower Upper

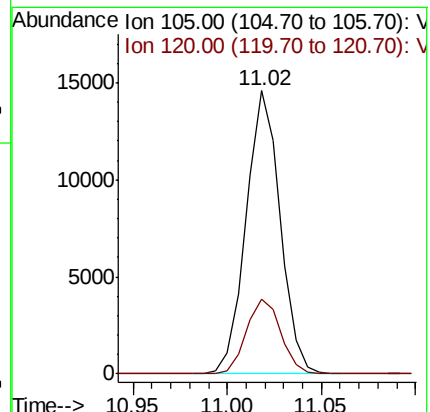
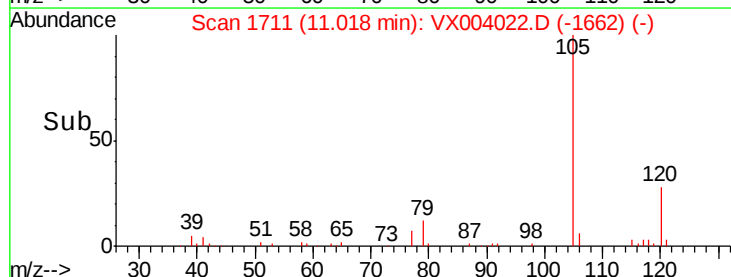
105 100

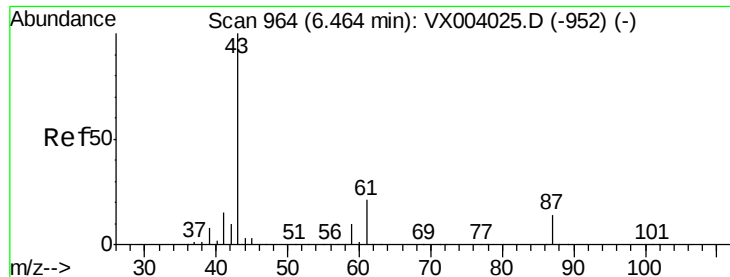
120 26.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 1.185 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

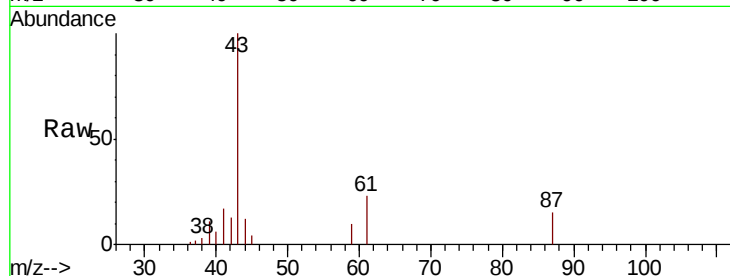
ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 10434

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.6	0.1	0.1#
61	22.7	16.9	25.3

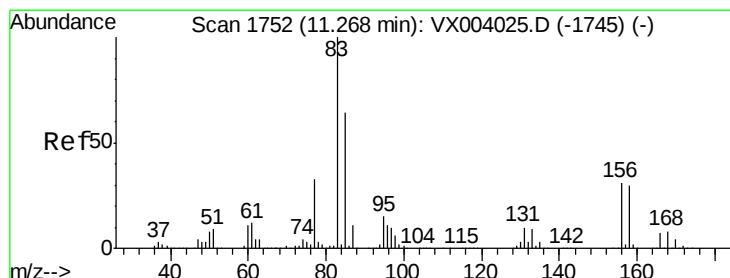
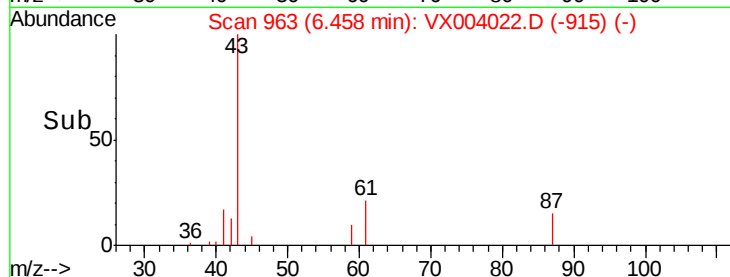
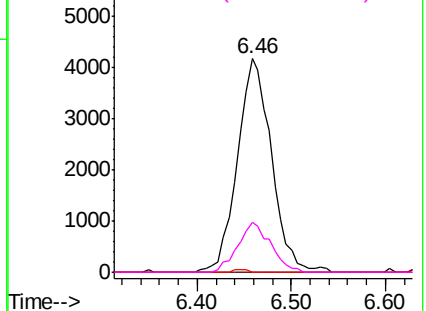


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.171 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

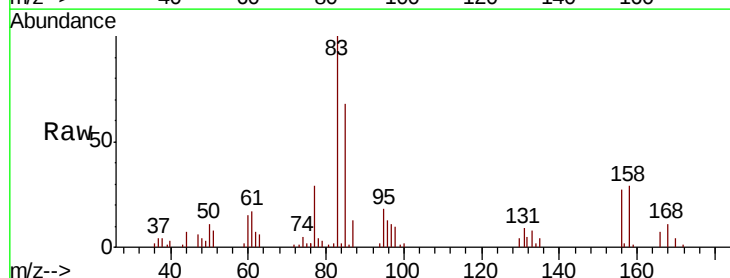
Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion: 83 Resp: 7656

Ion Ratio Lower Upper

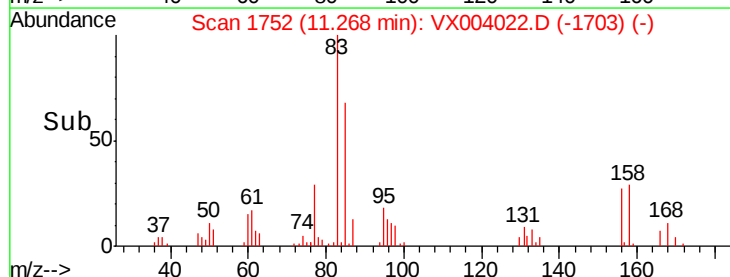
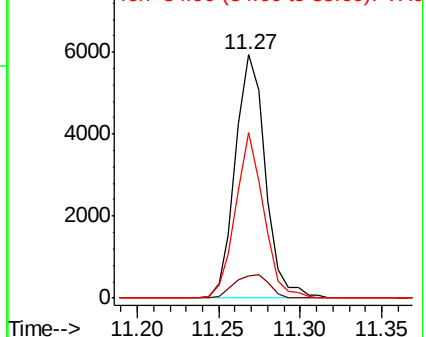
83	100		
131	11.0	5.2	15.6
85	63.6	32.2	96.6

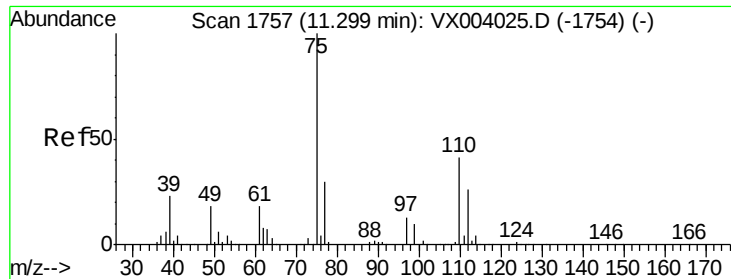


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.447 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

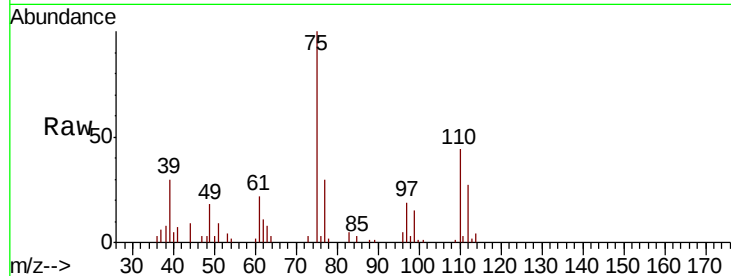
VSTDIC001

Tgt Ion: 75 Resp: 8024

Ion Ratio Lower Upper

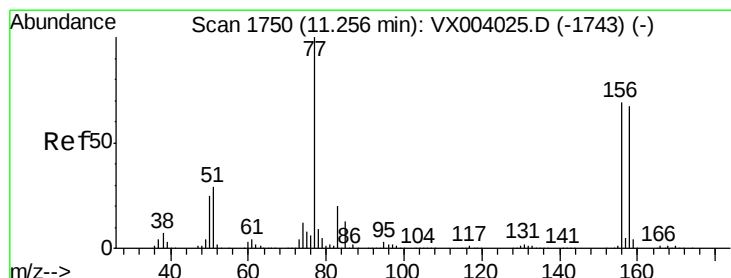
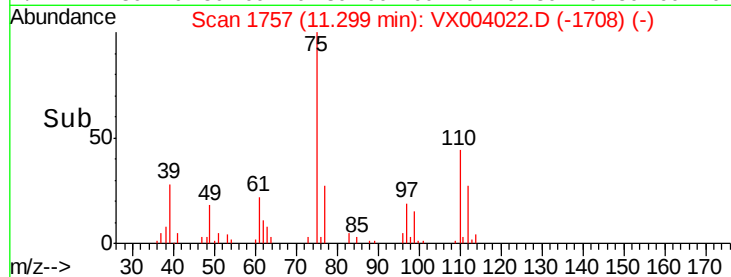
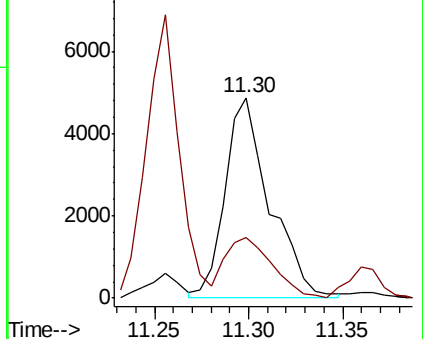
75 100

77 31.9 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX004022.D (-1754) (-)

Ion 77.00 (76.70 to 77.70): VX004022.D (-1754) (-)



#77

Bromobenzene

Concen: 1.111 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

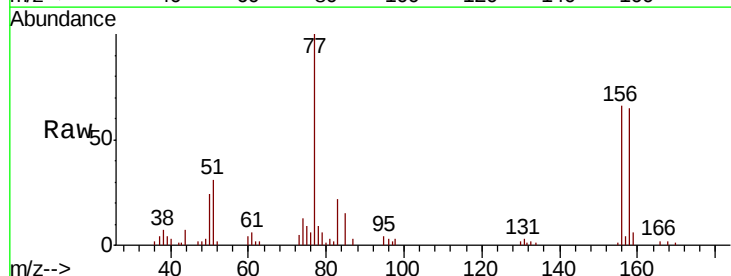
Tgt Ion: 156 Resp: 5731

Ion Ratio Lower Upper

156 100

77 147.1 74.1 222.2

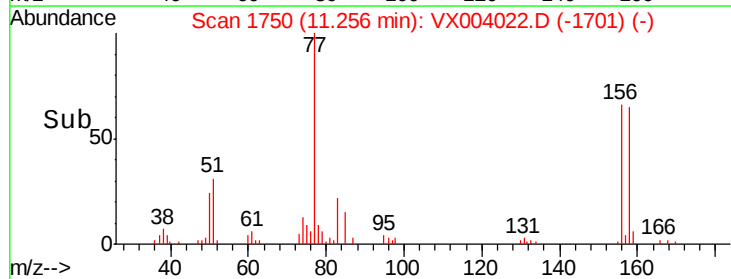
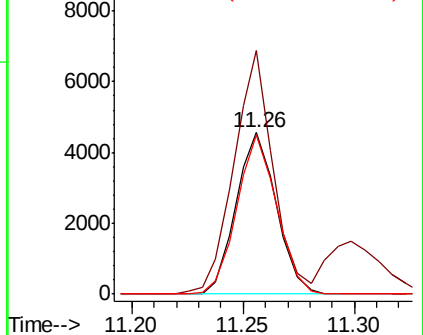
158 97.9 48.6 145.9

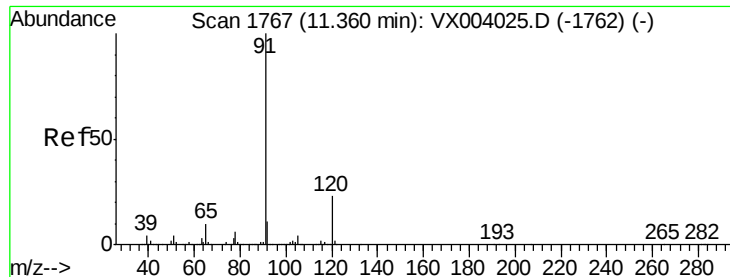


Abundance Ion 155.80 (155.50 to 156.50): VX004022.D (-1701) (-)

Ion 77.00 (76.70 to 77.70): VX004022.D (-1701) (-)

Ion 157.80 (157.50 to 158.50): VX004022.D (-1701) (-)





#78

n-propylbenzene

Concen: 0.928 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

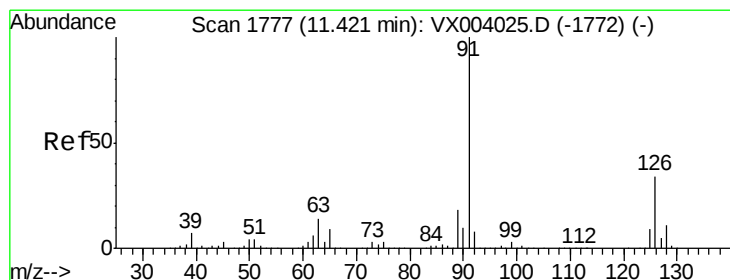
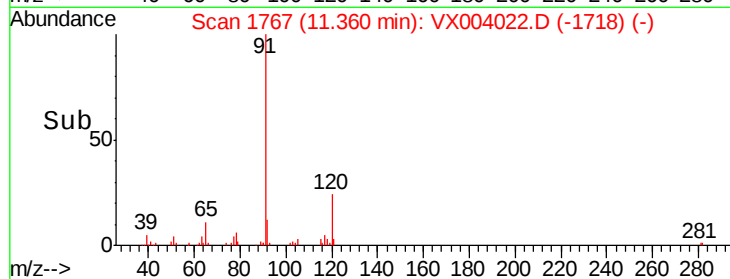
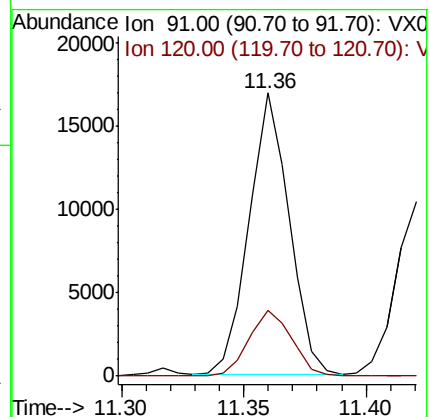
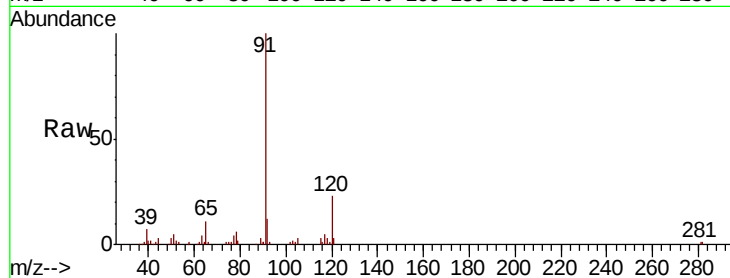
VSTDIC001

Tgt Ion: 91 Resp: 19430

Ion Ratio Lower Upper

91 100

120 24.8 11.9 35.5



#79

2-Chlorotoluene

Concen: 1.043 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004022.D

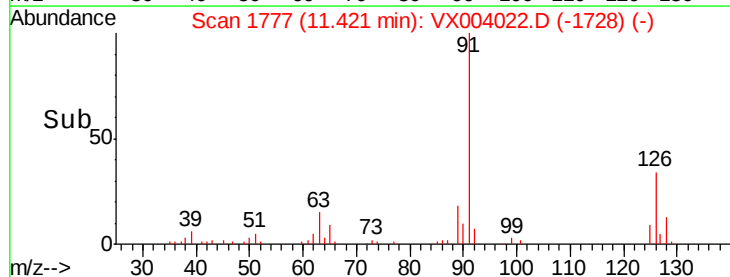
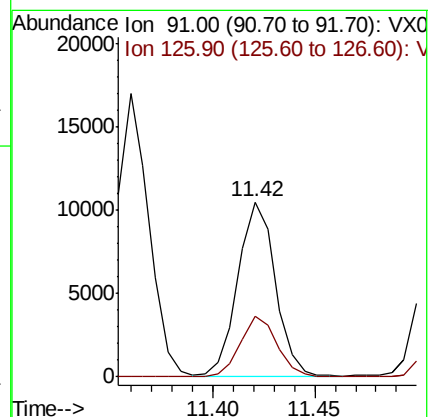
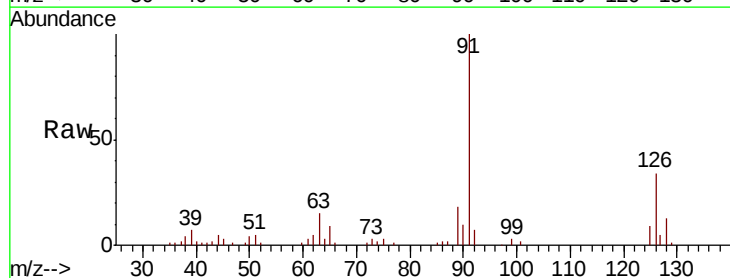
Acq: 14 Aug 2018 10:41

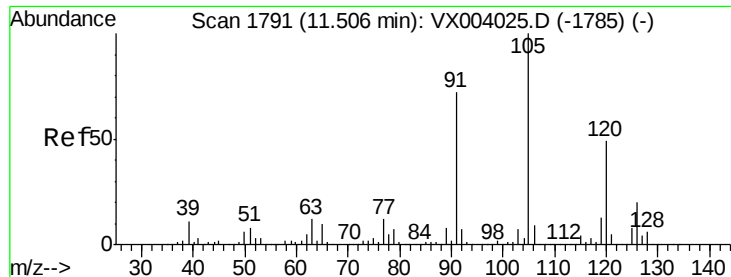
Tgt Ion: 91 Resp: 13311

Ion Ratio Lower Upper

91 100

126 33.6 17.4 52.3

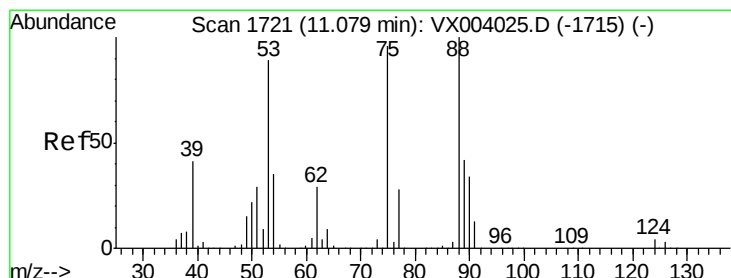
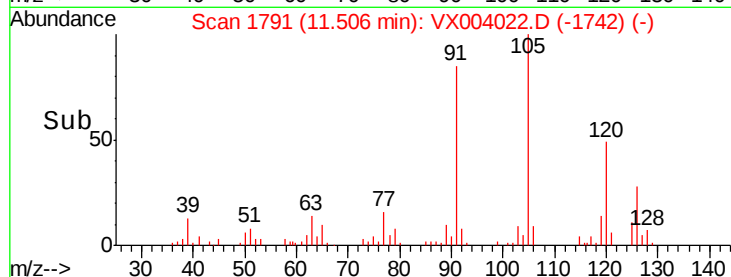
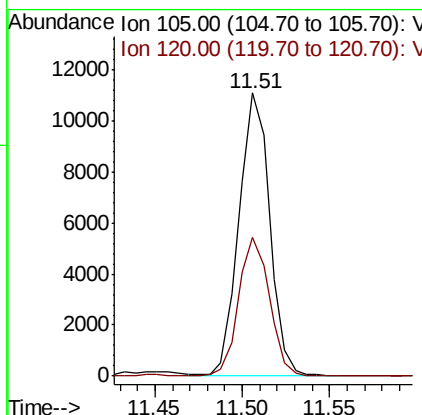
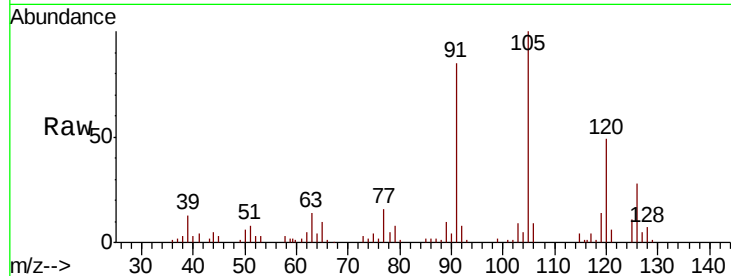




#80
 1,3,5-Trimethylbenzene
 Concen: 0.887 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

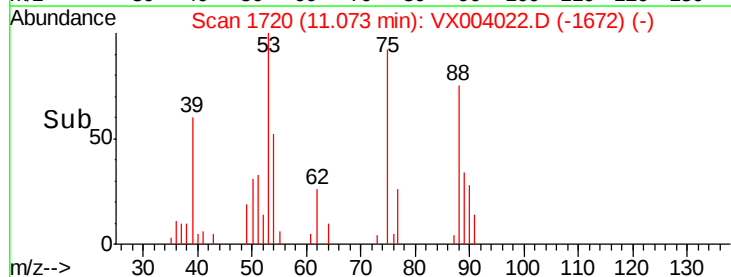
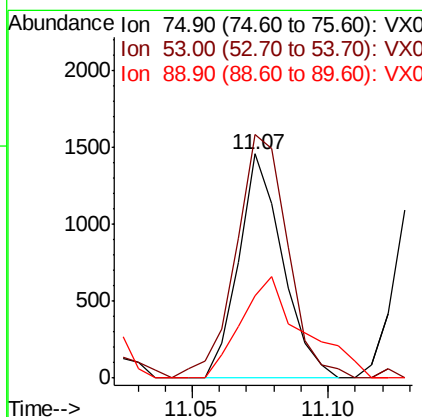
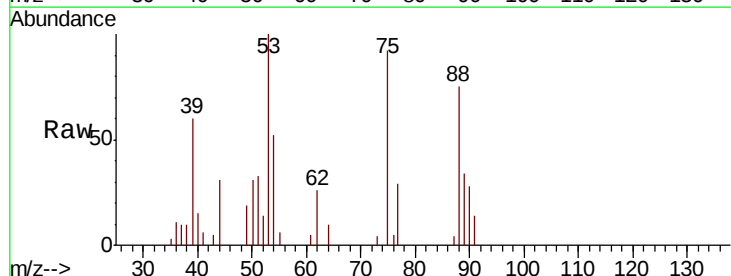
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

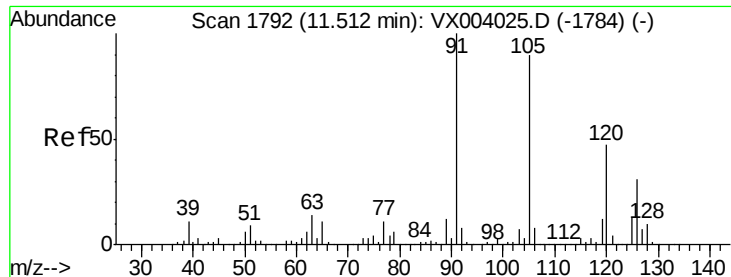
Tgt Ion: 105 Resp: 13594
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.913 ug/l
 RT: 11.07 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 75 Resp: 1635
 Ion Ratio Lower Upper
 75 100
 53 127.8 80.3 120.5#
 89 64.7 37.8 56.8#

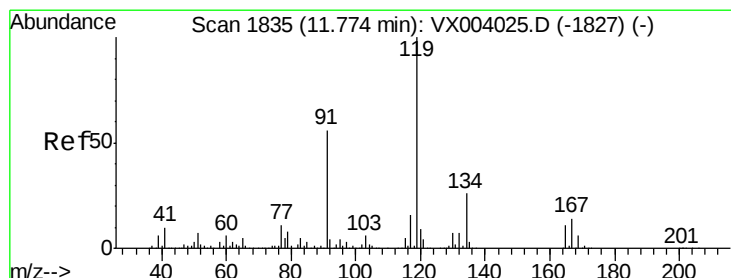
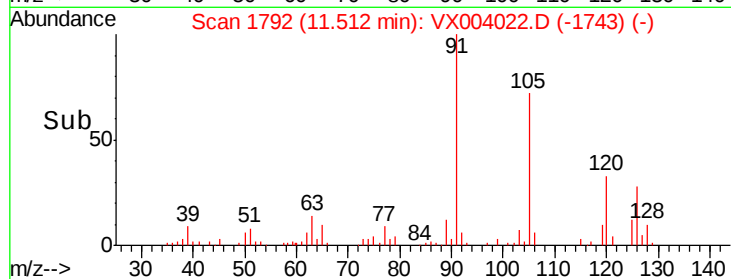
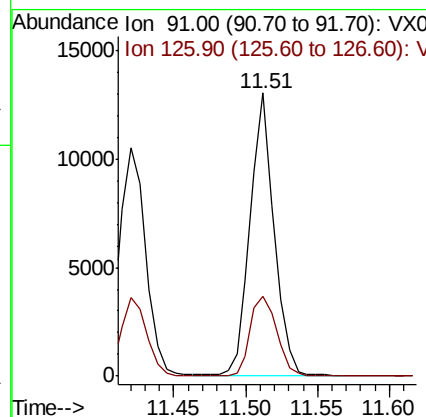
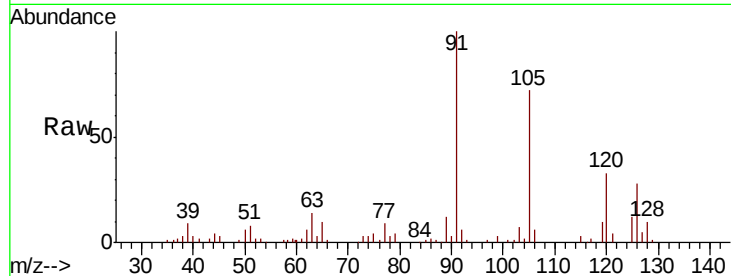




#82
4-Chlorotoluene
Concen: 1.005 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

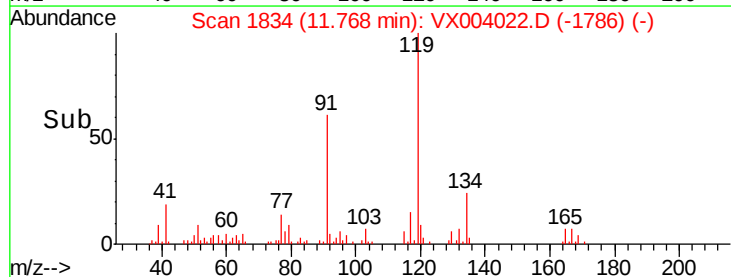
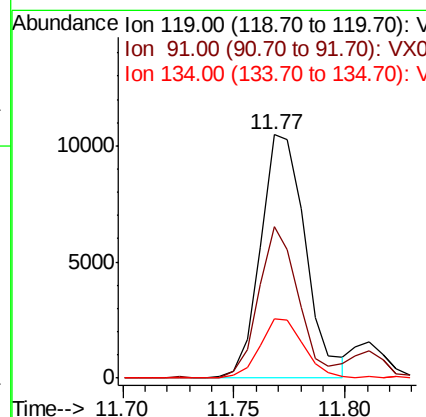
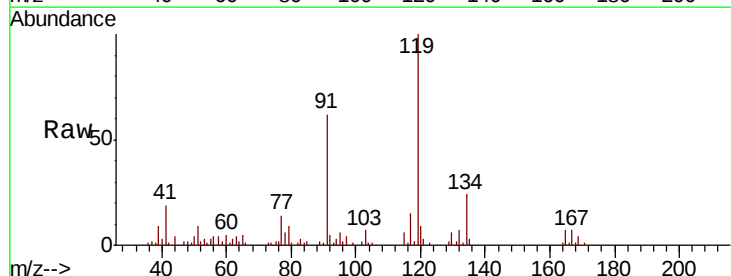
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

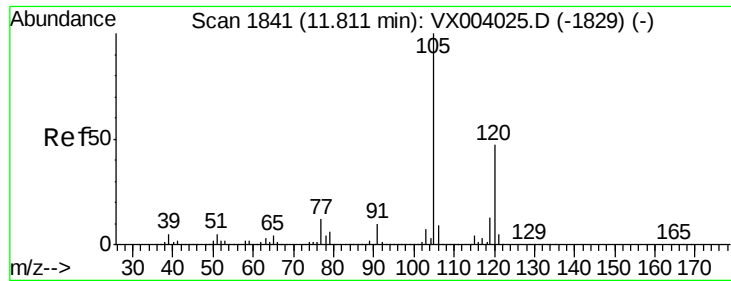
Tgt Ion: 91 Resp: 15159
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.7



#83
tert-Butylbenzene
Concen: 0.953 ug/l
RT: 11.77 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 119 Resp: 14721
Ion Ratio Lower Upper
119 100
91 54.7 26.9 80.7
134 23.9 12.0 36.0

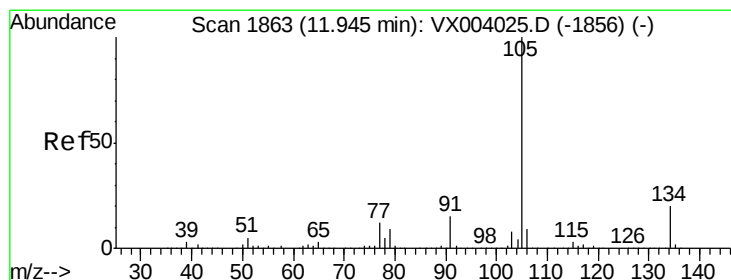
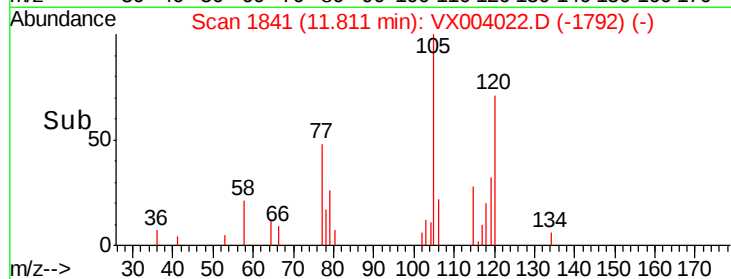
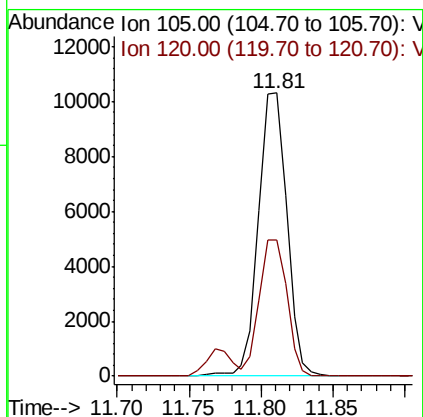
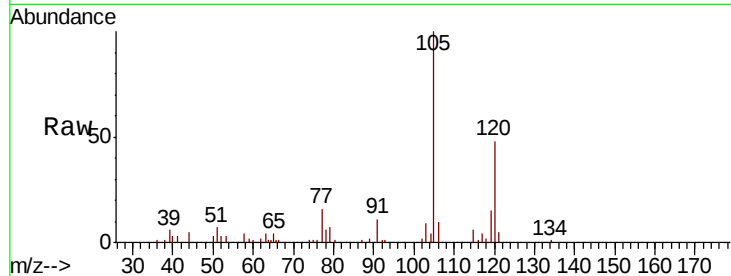




#84
 1,2,4-Trimethylbenzene
 Concen: 0.888 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

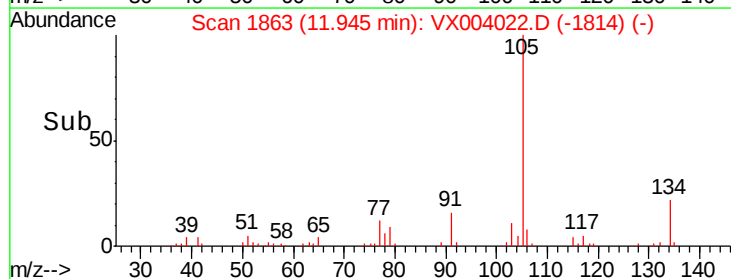
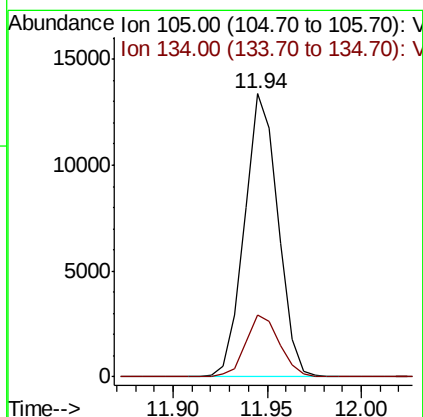
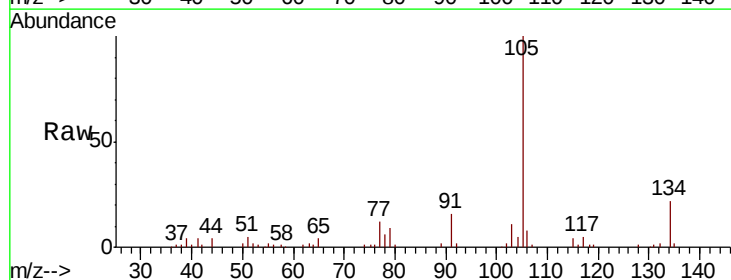
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

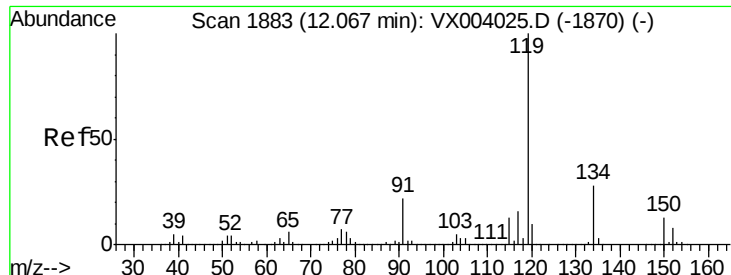
Tgt Ion:105 Resp: 14087
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 0.911 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion:105 Resp: 16478
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.3 30.9

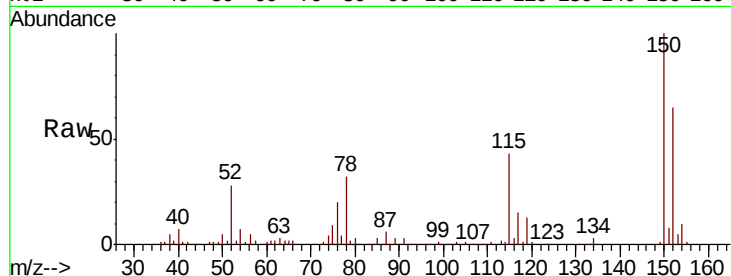




#86
 p-Isopropyltoluene
 Concen: 0.901 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.3	39.8
91	26.0	10.9	32.7

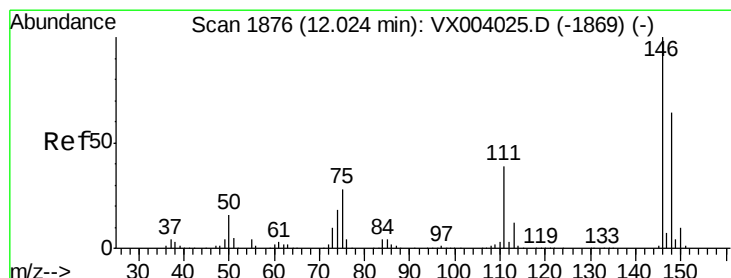
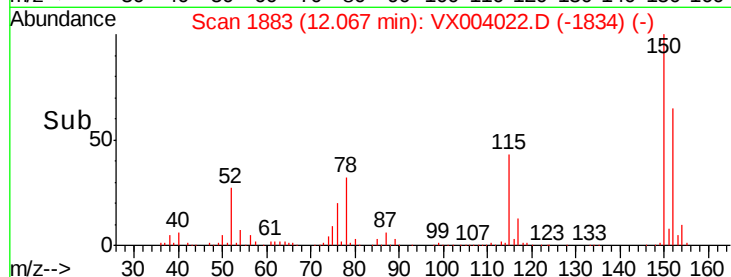
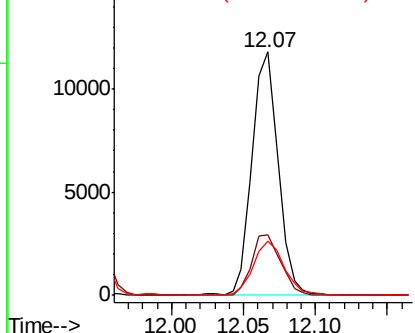


Abundance

Ion 119.00 (118.70 to 119.70): V

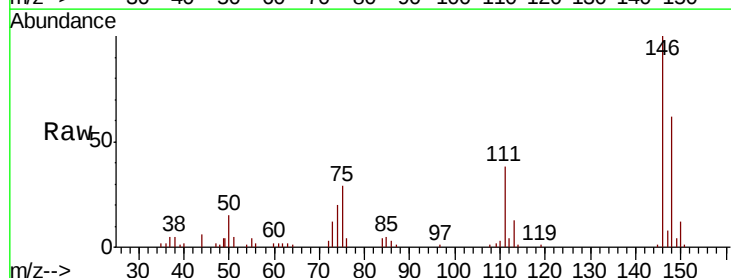
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



#87
 1,3-Dichlorobenzene
 Concen: 1.180 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.8	56.4
148	60.2	31.9	95.5

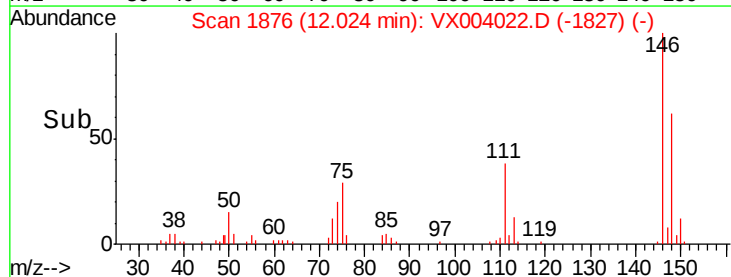
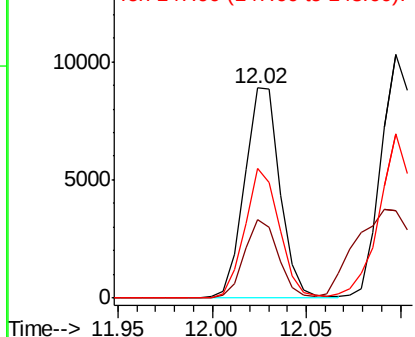


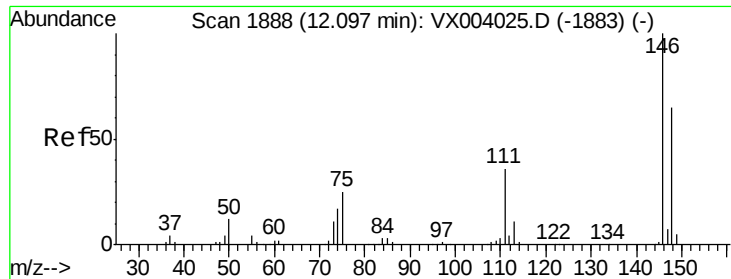
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

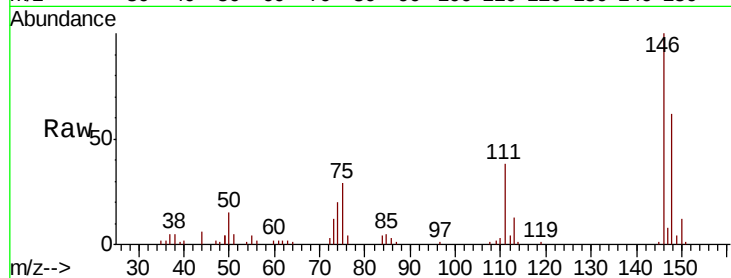




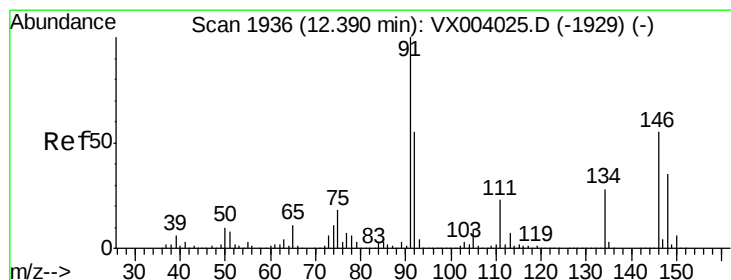
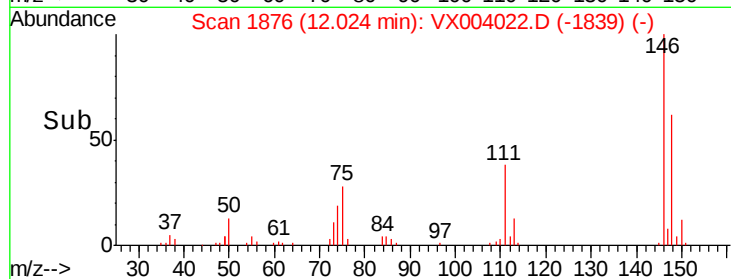
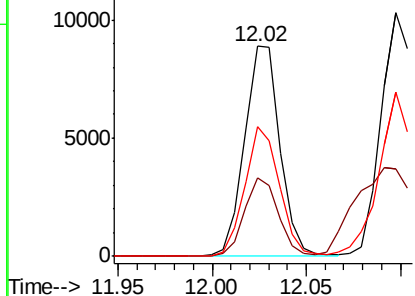
#88
 1,4-Dichlorobenzene
 Concen: 1.146 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.07 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion: 146 Resp: 11607
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.4 55.0
 148 60.2 32.3 96.8

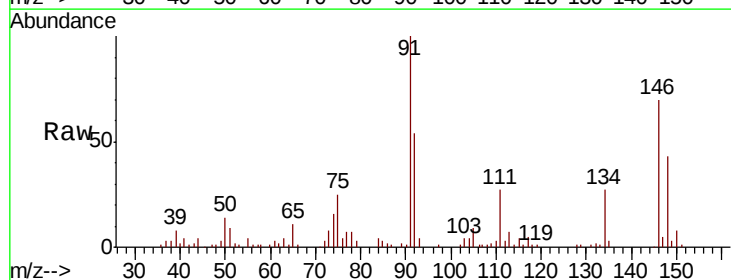


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

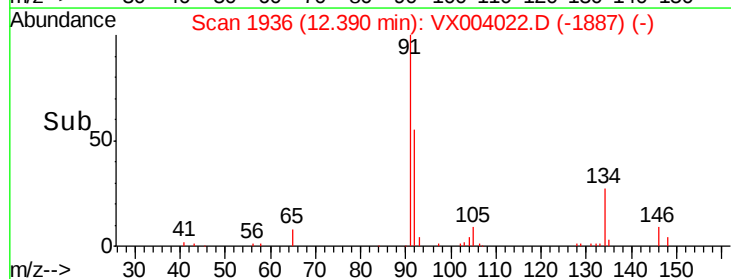
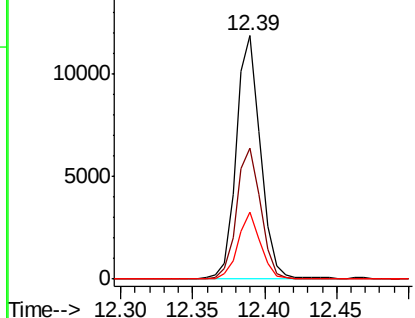


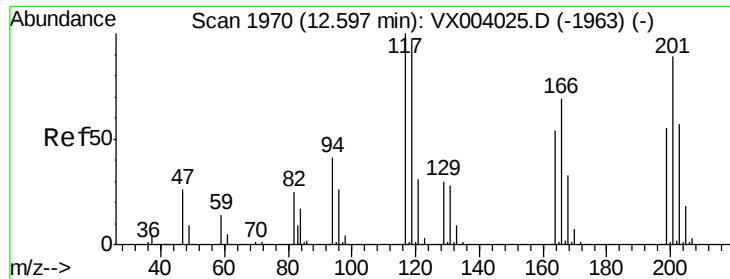
#89
 n-Butylbenzene
 Concen: 1.082 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 91 Resp: 13957
 Ion Ratio Lower Upper
 91 100
 92 53.4 27.1 81.3
 134 25.5 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.114 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

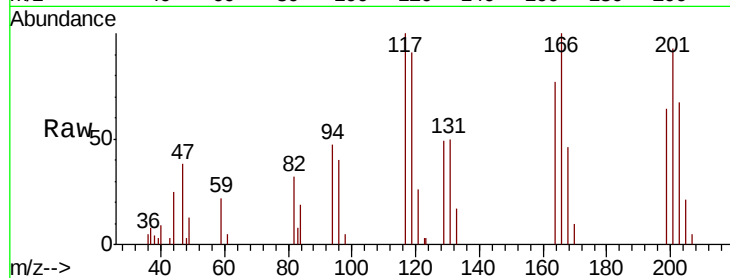
VSTDIC001

Tgt Ion:117 Resp: 2730

Ion Ratio Lower Upper

117 100

201 89.2 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.60

2000

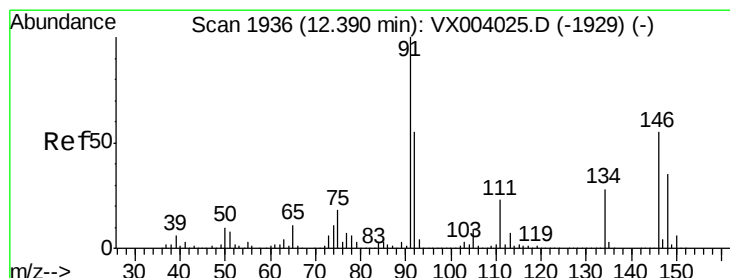
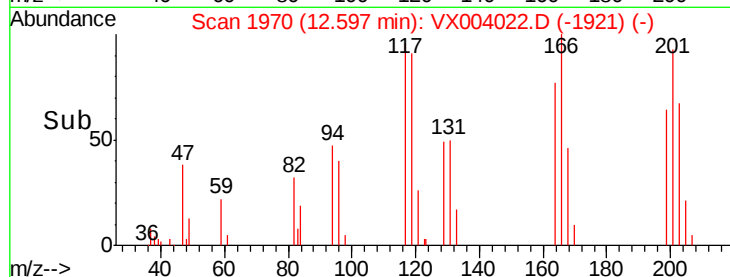
1500

1000

500

0

Time--> 12.55 12.60



#91

1,2-Dichlorobenzene

Concen: 1.222 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

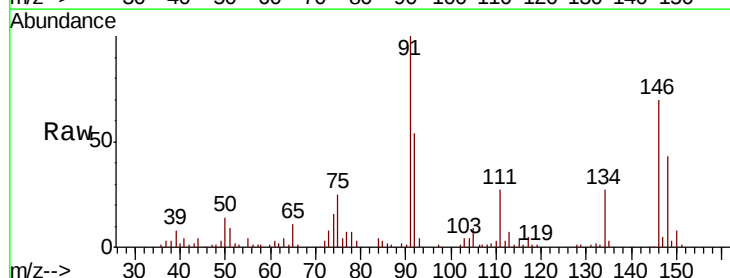
Tgt Ion:146 Resp: 10847

Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

148 64.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

10000

8000

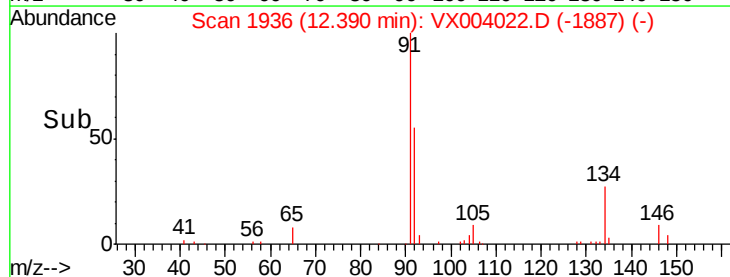
6000

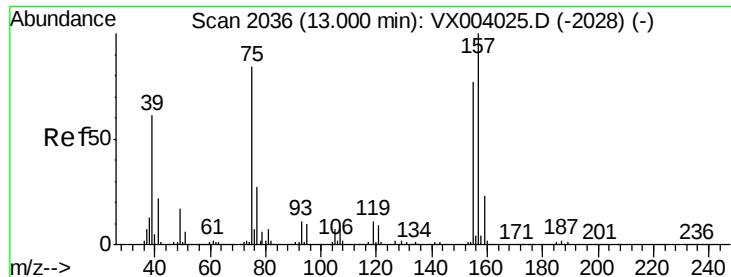
4000

2000

0

Time--> 12.35 12.40 12.45





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.043 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

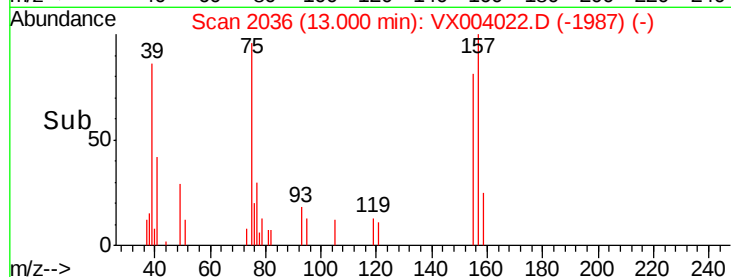
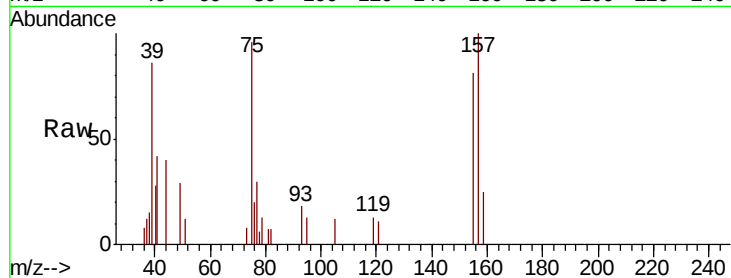
Tgt Ion: 75 Resp: 1198

Ion Ratio Lower Upper

75 100

155 90.7 48.7 146.1

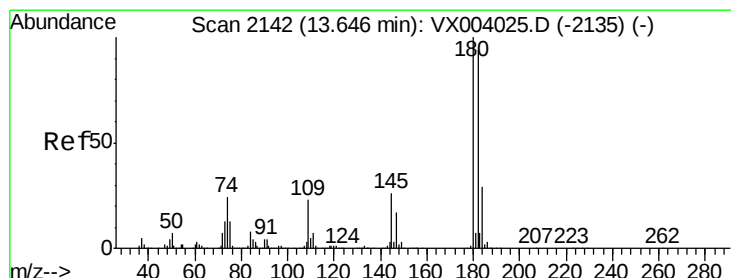
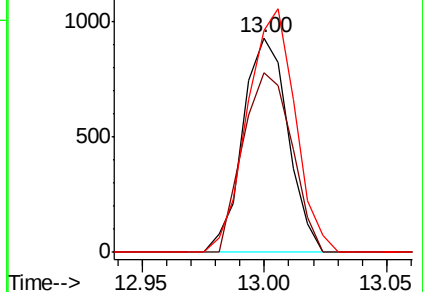
157 119.9 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX004022.D (-1987) (-)

Ion 154.80 (154.50 to 155.50): VX004022.D (-1987) (-)

Ion 156.80 (156.50 to 157.50): VX004022.D (-1987) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.007 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

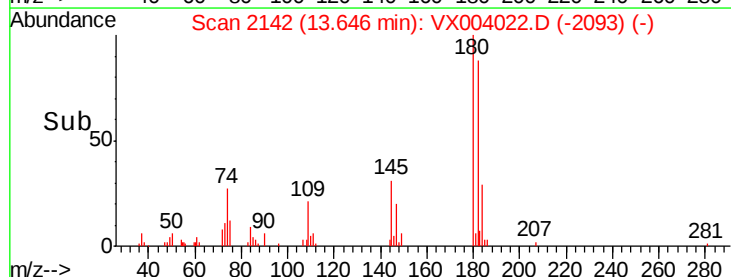
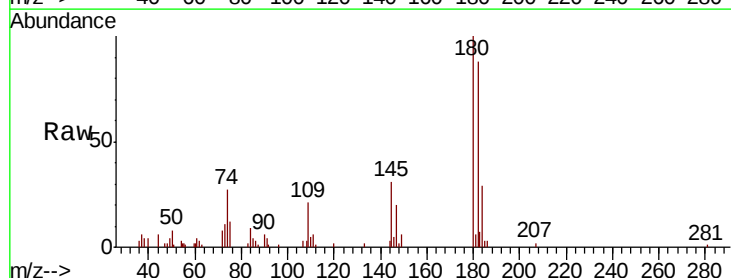
Tgt Ion: 180 Resp: 6111

Ion Ratio Lower Upper

180 100

182 94.9 47.7 143.1

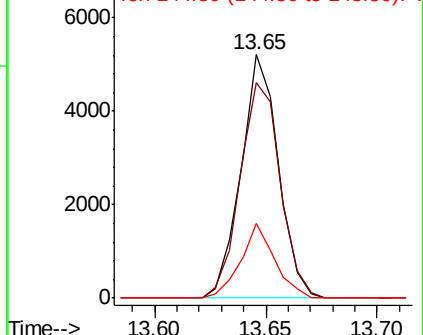
145 28.0 13.9 41.6

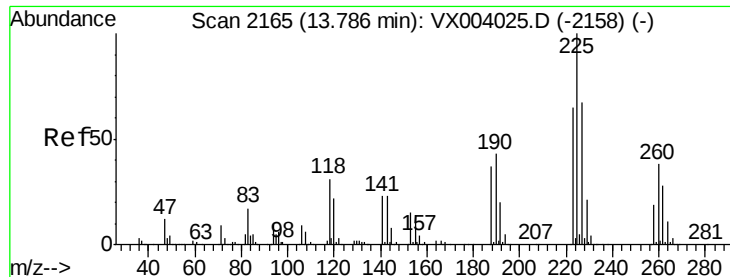


Abundance Ion 179.80 (179.50 to 180.50): VX004022.D (-2093) (-)

Ion 181.80 (181.50 to 182.50): VX004022.D (-2093) (-)

Ion 144.80 (144.50 to 145.50): VX004022.D (-2093) (-)





#94

Hexachlorobutadiene

Concen: 1.275 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

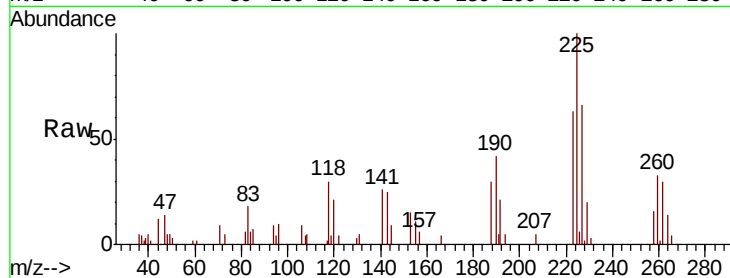
Tgt Ion:225 Resp: 3878

Ion Ratio Lower Upper

225 100

223 58.4 31.4 94.0

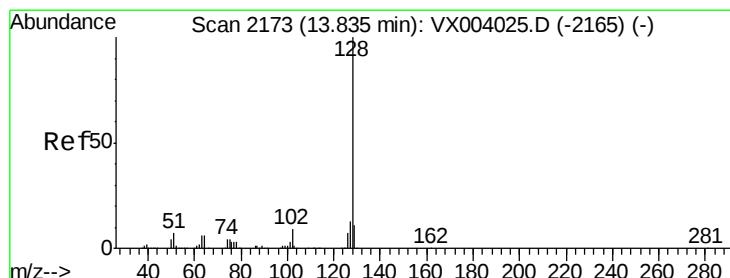
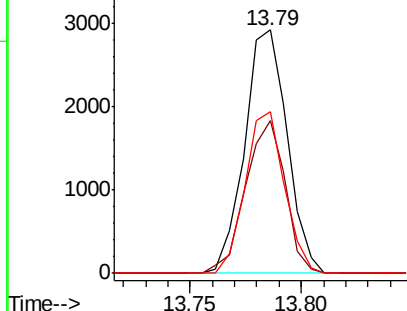
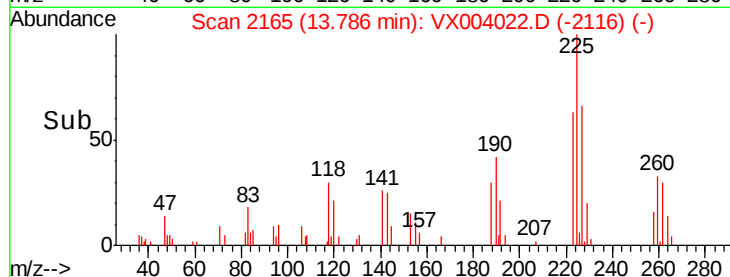
227 61.4 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.892 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

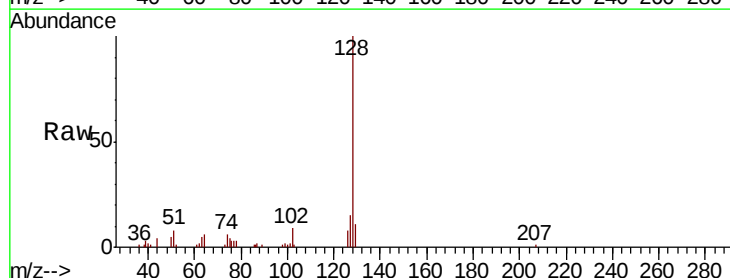
Tgt Ion:128 Resp: 14798

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.2

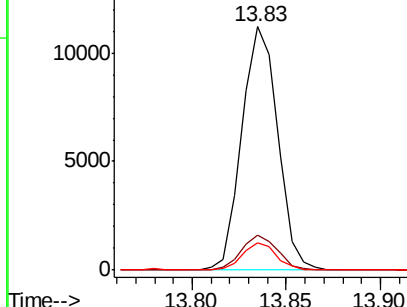
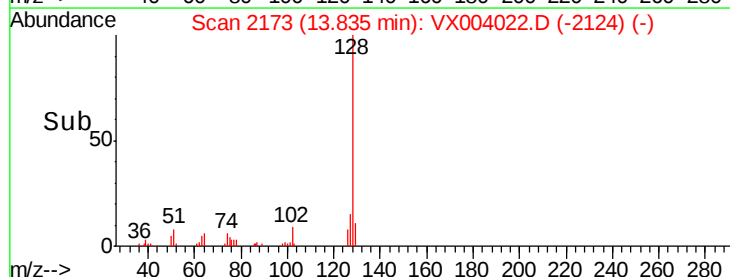
129 10.6 8.8 13.2

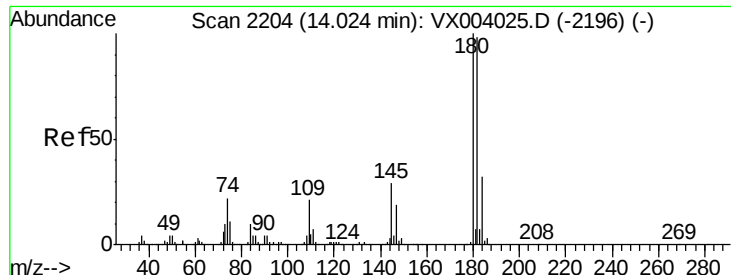


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.010 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.1	144.4
145	32.1	14.9	44.7

