

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
 Data File : VX001260.D
 Acq On : 30 Apr 2018 17:30
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

Quant Time: May 01 09:18:02 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	39343	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	223528	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	209127	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	86342	30.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.43%
60) 4-Bromofluorobenzene	11.14	95	103283	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.72	98	270419	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	53683	20.812	ug/l 97
3) Chloromethane	1.32	50	49293	20.475	ug/l 97
4) Vinyl Chloride	1.40	62	50368	19.946	ug/l 100
5) Bromomethane	1.65	94	35174	18.442	ug/l 98
6) Chloroethane	1.73	64	30569	19.785	ug/l 99
7) Trichlorofluoromethane	1.93	101	81222	19.362	ug/l 100
8) Diethyl Ether	2.19	74	28027	19.244	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47730	20.065	ug/l 93
10) 1,1-Dichloroethene	2.38	96	41300	19.164	ug/l 96
11) Methyl Iodide	2.51	142	49421	18.855	ug/l 95
12) Methyl Acetate	2.78	43	54942	19.393	ug/l 99
13) Acrolein	2.29	56	33548	99.282	ug/l 98
14) Acrylonitrile	3.15	53	107234	95.094	ug/l 99
15) Acetone	2.45	58	33053	94.203	ug/l 95
16) Carbon Disulfide	2.57	76	108820	18.985	ug/l 99
17) Allyl chloride	2.73	41	72148	18.866	ug/l 98
18) Methylene Chloride	2.86	84	44691	19.027	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	44182	19.016	ug/l 89
20) Diisopropyl ether	3.87	45	140568	18.677	ug/l # 97
21) 1,1-Dichloroethane	3.70	63	80015	19.784	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	49701	19.156	ug/l 99
23) tert-Butyl Alcohol	3.06	59	44358	96.254	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	139465	18.871	ug/l 95
25) Chloroform	5.22	83	82511	18.738	ug/l 97
26) Cyclohexane	5.58	56	71850	19.539	ug/l # 95
29) 1,1-Dichloropropene	5.80	75	61106	18.452	ug/l 98
30) 2-Butanone	4.70	43	158360	93.315	ug/l 96
31) 2,2-Dichloropropane	4.59	77	65427	18.097	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	72489	18.091	ug/l 99
33) Carbon Tetrachloride	5.79	117	64181	17.771	ug/l 98
34) Benzene	6.15	78	180081	18.351	ug/l 94
35) Methacrylonitrile	5.06	41	34317	18.223	ug/l 94
36) 1,2-Dichloroethane	6.20	62	69143	18.358	ug/l 100
37) Trichloroethene	7.22	130	55903	18.787	ug/l 96
38) Methylcyclohexane	7.46	83	77171	19.804	ug/l 96
39) 1,2-Dichloropropane	7.52	63	46257	18.588	ug/l 97
40) Dibromomethane	7.67	93	32141	18.359	ug/l 87

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
 Data File : VX001260.D
 Acq On : 30 Apr 2018 17:30
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

Quant Time: May 01 09:18:02 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	57352	17.340	ug/l	95
42) Vinyl Acetate	3.82	43	610576	91.466	ug/l	97
43) Ethyl Acetate	4.86	43	60949	18.650	ug/l	98
44) Isopropyl Acetate	6.47	43	100115	18.003	ug/l	97
45) 1,4-Dioxane	7.76	88	19568	387.136	ug/l	97
46) Methyl methacrylate	7.78	41	51504	17.803	ug/l	91
47) n-amyl Acetate	10.90	43	91624	17.169	ug/l	98
48) t-1,3-Dichloropropene	8.44	75	69580	17.871	ug/l	97
49) cis-1,3-Dichloropropene	9.04	75	62839	16.849	ug/l #	90
50) 1,1,2-Trichloroethane	9.22	97	46563	17.908	ug/l	99
51) Ethyl methacrylate	9.18	69	66196	17.868	ug/l	92
52) 1,3-Dichloropropane	9.38	76	77880	18.530	ug/l	99
53) Dibromochloromethane	9.59	129	49109	17.112	ug/l	97
54) 1,2-Dibromoethane	9.68	107	49966	17.955	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	158553	87.365	ug/l	99
56) Bromoform	10.86	173	38759	16.501	ug/l #	96
58) 4-Methyl-2-Pentanone	8.65	43	316912	91.305	ug/l	99
59) 2-Hexanone	9.50	43	246451	91.132	ug/l	97
61) Tetrachloroethene	9.34	164	63897	19.938	ug/l	92
62) Toluene	8.79	91	206983	18.416	ug/l	99
64) Chlorobenzene	10.14	112	139424	18.387	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	49277	17.798	ug/l	97
66) Ethyl Benzene	10.26	91	231805	18.477	ug/l	99
67) m/p-Xylenes	10.36	106	184938	37.112	ug/l	99
68) o-Xylene	10.70	106	88248	18.322	ug/l	100
69) Styrene	10.71	104	145324	18.127	ug/l	99
70) Isopropylbenzene	11.02	105	242027	18.504	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	68685	17.903	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	74811	21.789	ug/l	86
73) Bromobenzene	11.26	156	68897	18.125	ug/l	94
74) n-propylbenzene	11.37	91	278853	18.875	ug/l	100
75) 2-Chlorotoluene	11.43	91	164151	18.410	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	206935	18.568	ug/l	69
77) t-1,4-Dichloro-2-butene	11.08	75	15903	15.568	ug/l	81
78) 4-Chlorotoluene	11.51	91	193508	18.196	ug/l	100
79) tert-butylbenzene	12.07	119	229102	19.211	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	212079	18.698	ug/l	100
81) sec-Butylbenzene	11.95	105	247270	19.108	ug/l	98
82) p-Isopropyltoluene	12.07	119	229102	19.211	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	126377	18.234	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	127849	18.094	ug/l	98
85) n-Butylbenzene	12.39	91	197070	19.110	ug/l	98
86) Hexachloroethane	12.60	117	32457	17.806	ug/l	72
87) 1,2-Dichlorobenzene	12.40	146	123767	17.959	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	13644	17.017	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	99365	19.029	ug/l	98
90) Hexachlorobutadiene	13.79	225	51755	21.350	ug/l	98
91) Naphthalene	13.84	128	253911	18.742	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	98468	19.105	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
Data File : VX001260.D
Acq On : 30 Apr 2018 17:30
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

Quant Time: May 01 09:18:02 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 01 09:17:40 2018
Response via : Initial Calibration

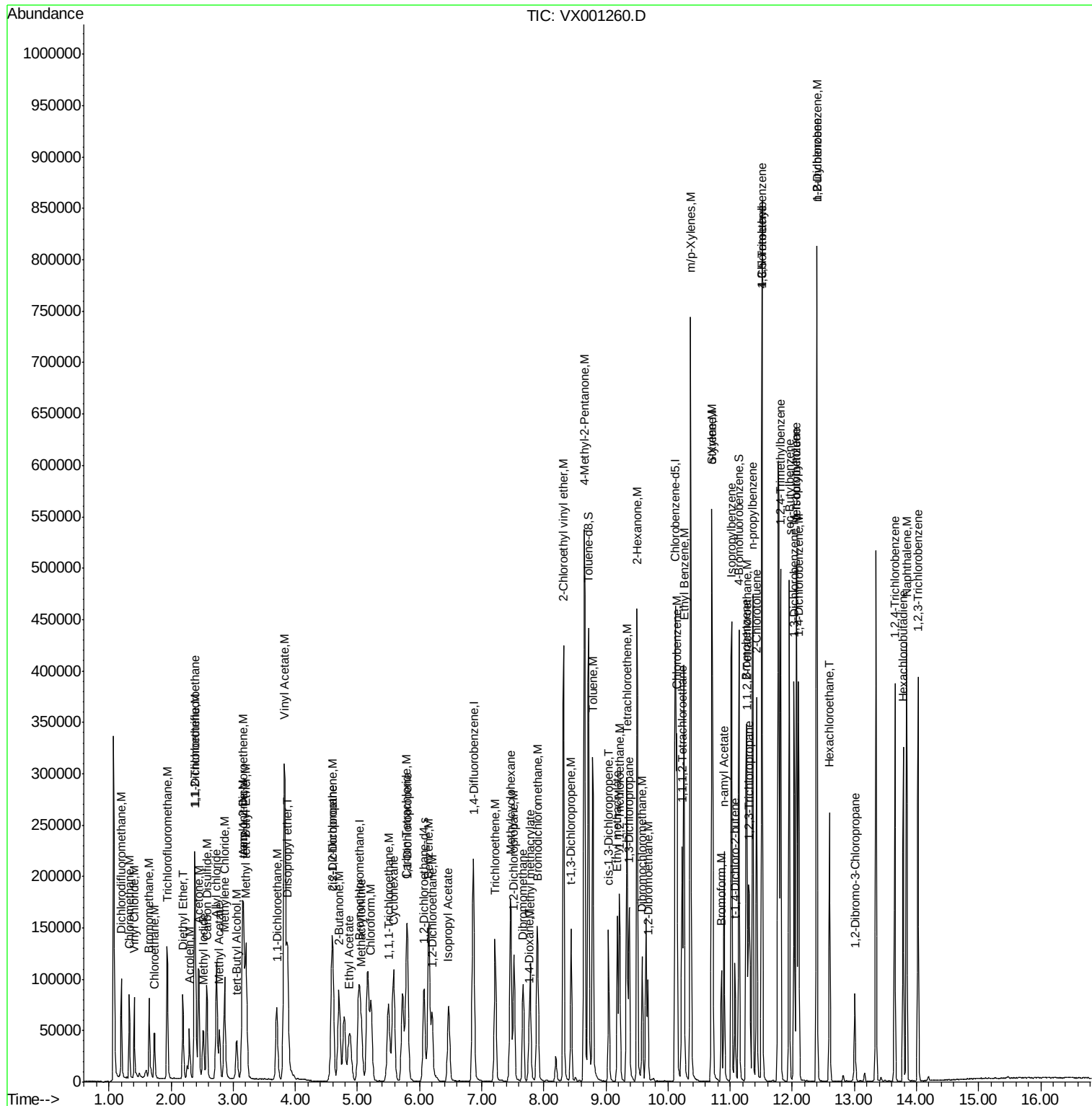
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

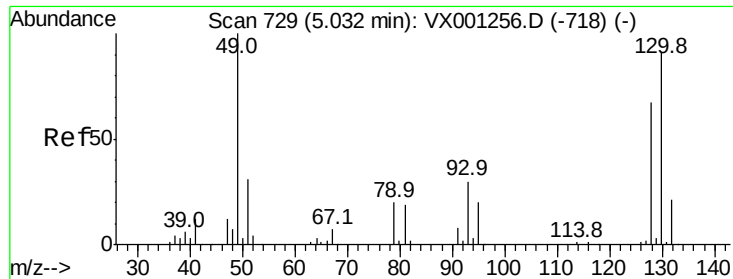
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\  
Data File : VX001260.D  
Acq On    : 30 Apr 2018  17:30  
Operator  : JC/MD  
Sample    : VSTDICV020  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

Quant Time: May 01 09:18:02 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 01 09:17:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX043018

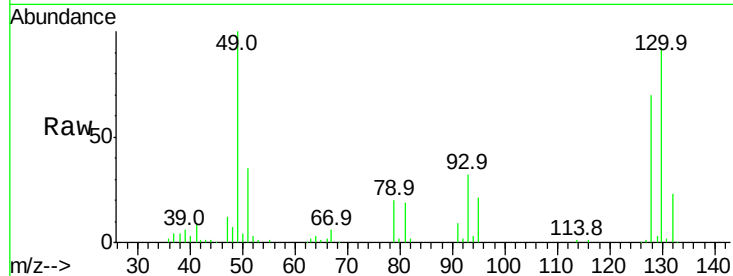
Tot Ion:128 Resp: 39343

Ion Ratio Lower Upper

128 100

49 148.1 0.0 378.3

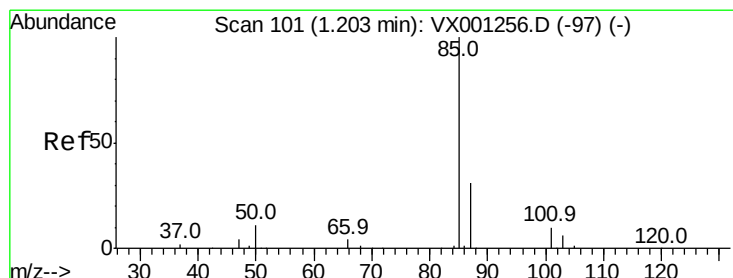
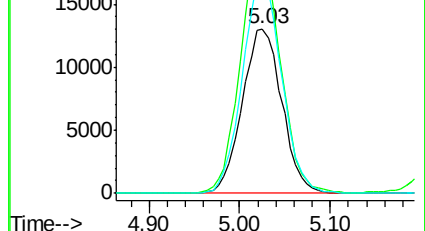
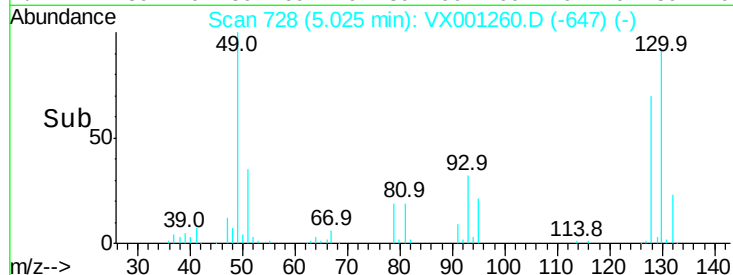
130 129.5 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.812 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001260.D

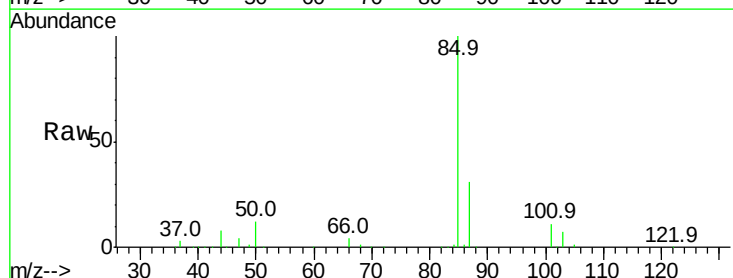
Acq: 30 Apr 2018 17:30

Tgt Ion: 85 Resp: 53683

Ion Ratio Lower Upper

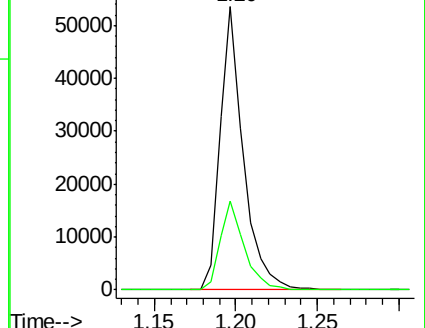
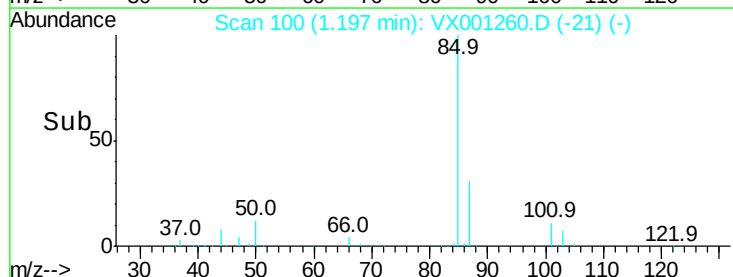
85 100

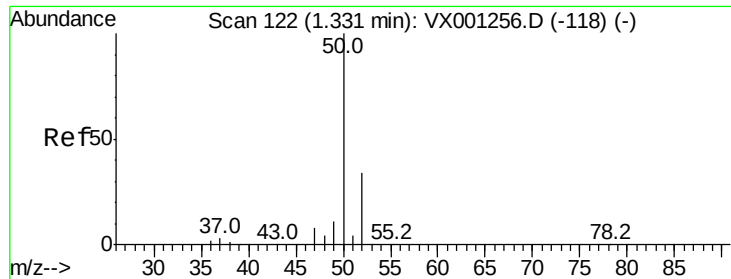
87 31.2 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.475 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampled :

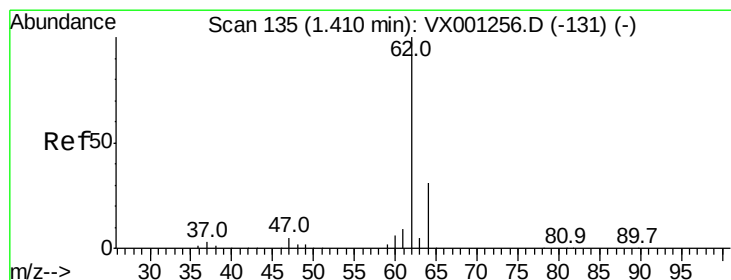
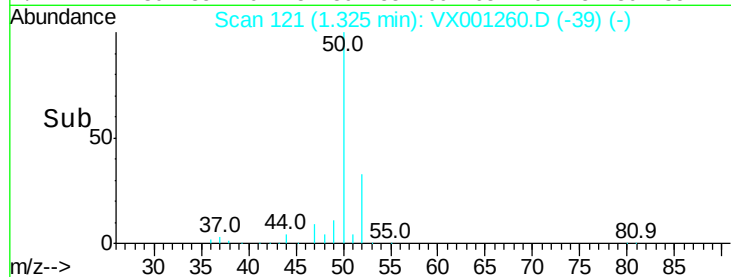
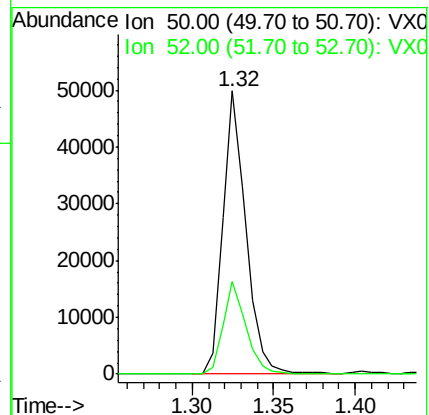
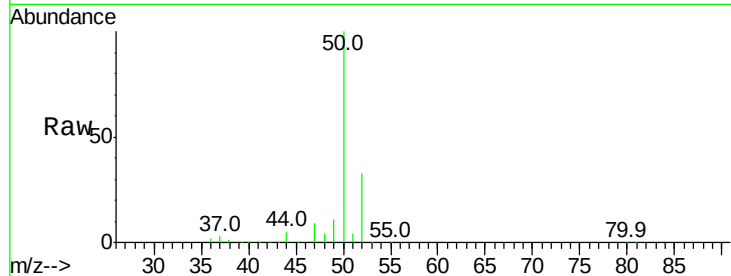
ICVVX043018

Tot Ion: 50 Resp: 49293

Ion Ratio Lower Upper

50 100

52 32.9 27.8 41.6



#4

Vinyl Chloride

Concen: 19.946 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001260.D

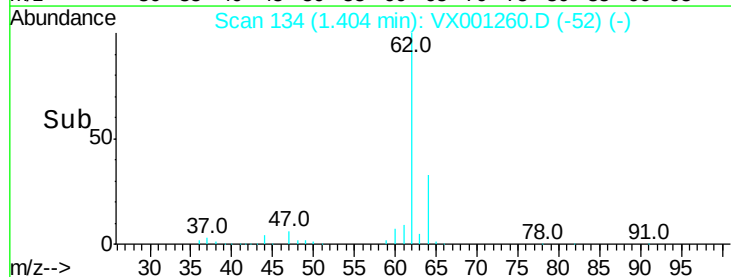
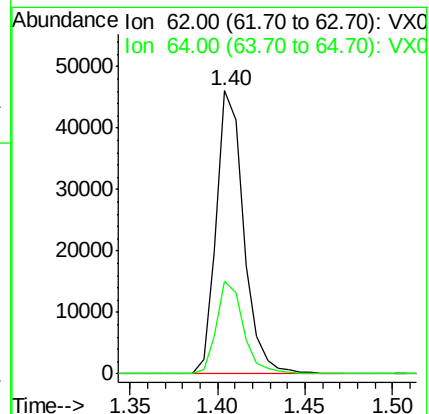
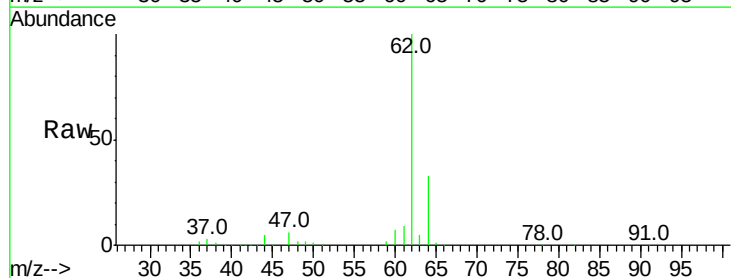
Acq: 30 Apr 2018 17:30

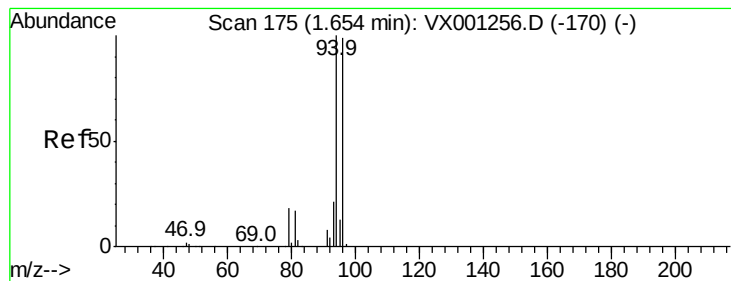
Tgt Ion: 62 Resp: 50368

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0





#5

Bromomethane

Concen: 18.442 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

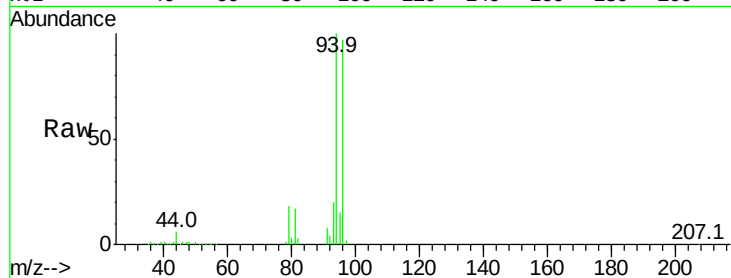
ICVVX043018

Tot Ion: 94 Resp: 35174

Ion Ratio Lower Upper

94 100

96 97.3 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.65

30000

25000

20000

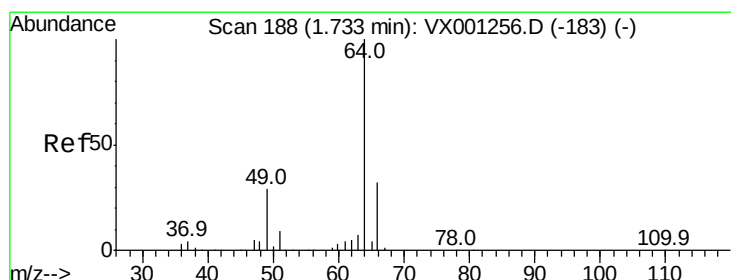
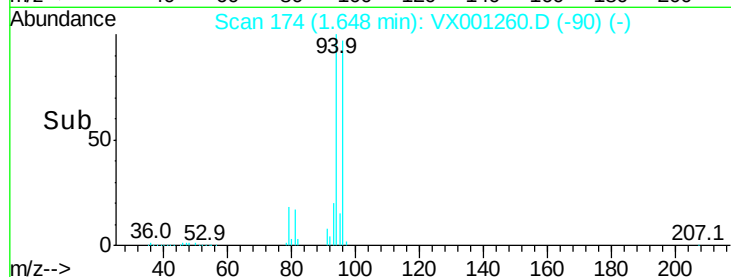
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.785 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001260.D

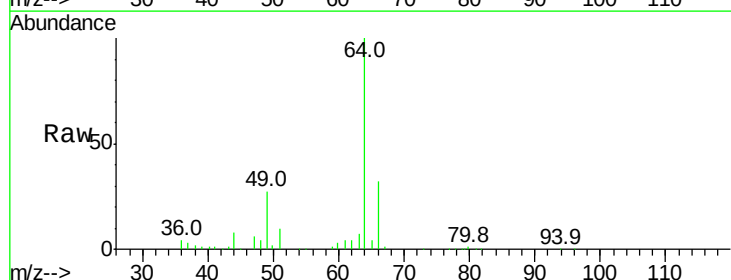
Acq: 30 Apr 2018 17:30

Tgt Ion: 64 Resp: 30569

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.73

25000

20000

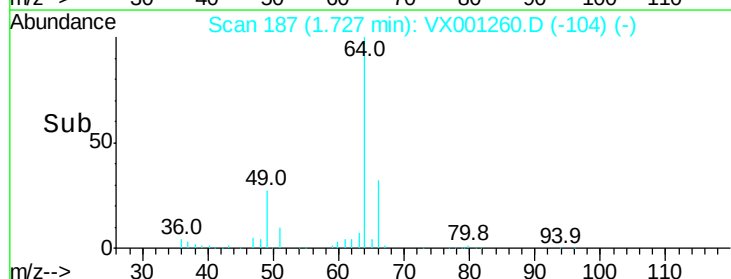
15000

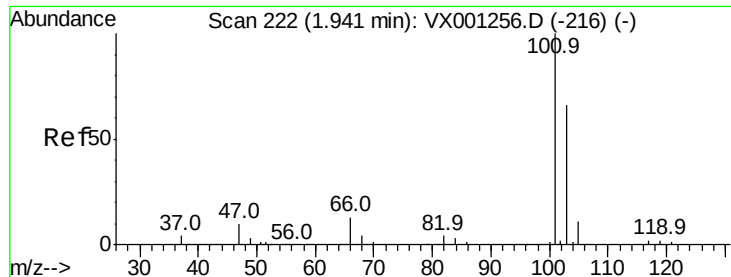
10000

5000

0

Time-->



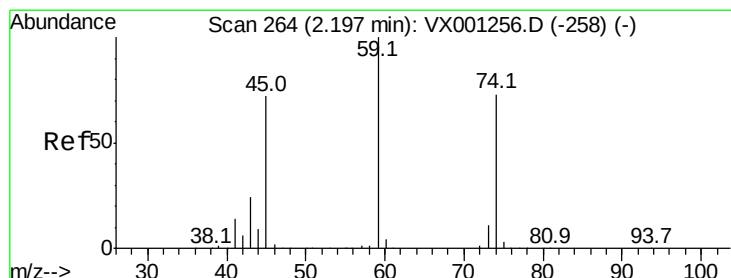
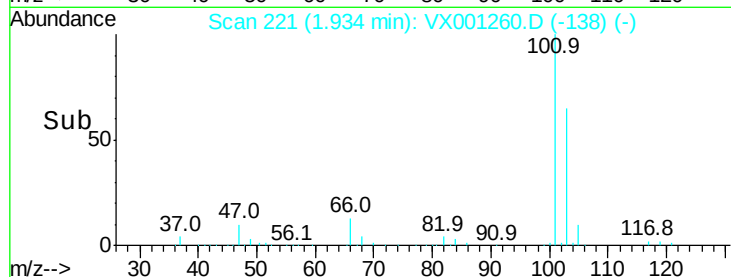
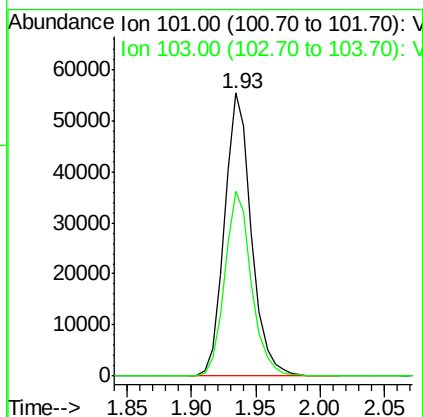
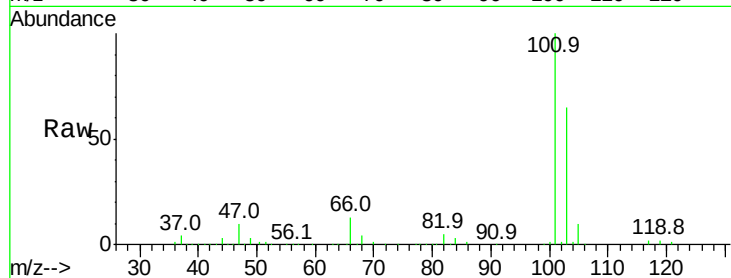


#7

Trichlorofluoromethane
Concen: 19.362 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

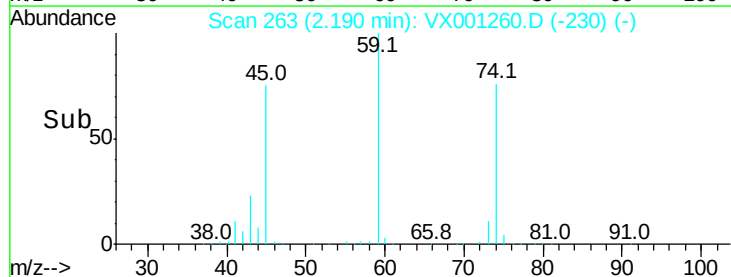
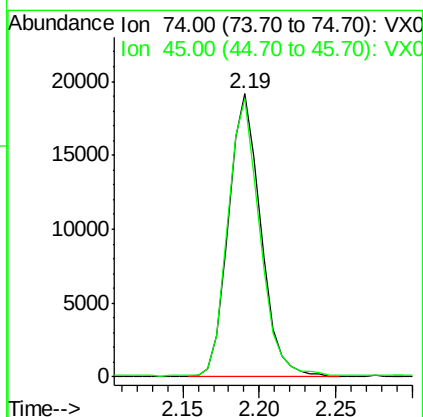
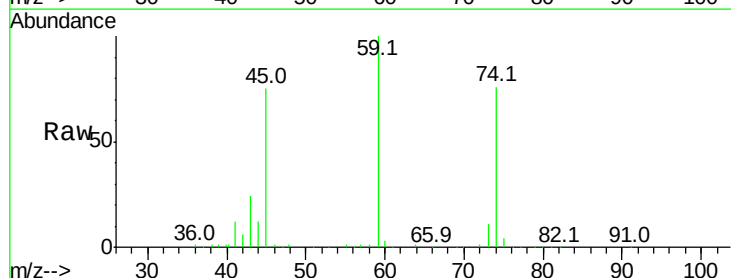
Tot Ion:101 Resp: 81222
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

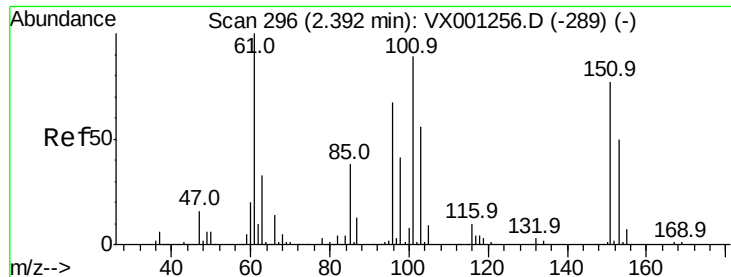


#8

Diethyl Ether
Concen: 19.244 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Tgt Ion: 74 Resp: 28027
Ion Ratio Lower Upper
74 100
45 97.8 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.065 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX043018

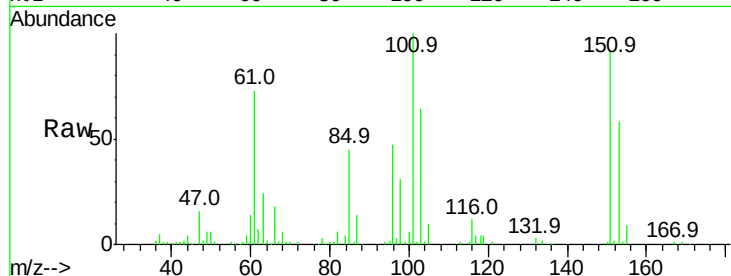
Tot Ion:101 Resp: 47730

Ion Ratio Lower Upper

101 100

85 45.1 0.0 90.4

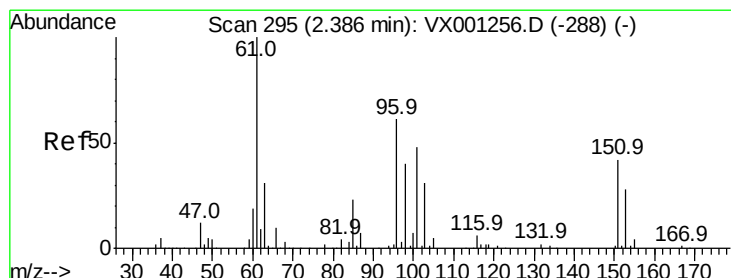
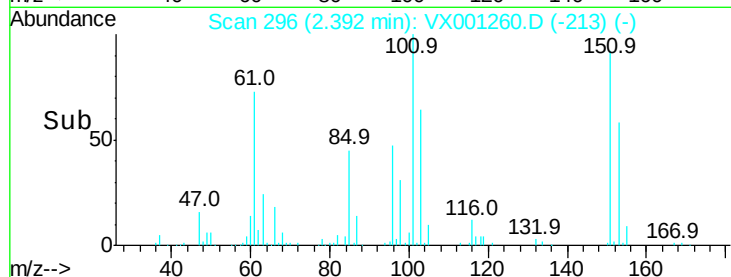
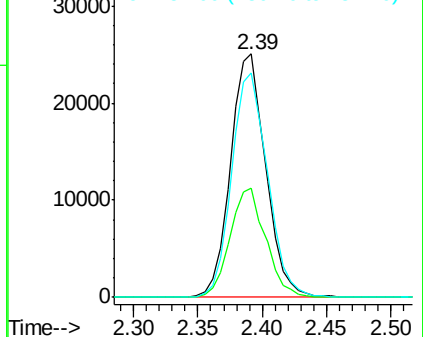
151 93.6 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.164 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

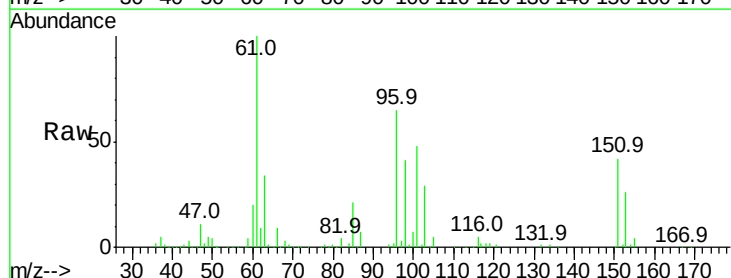
Tgt Ion: 96 Resp: 41300

Ion Ratio Lower Upper

96 100

61 154.4 118.6 178.0

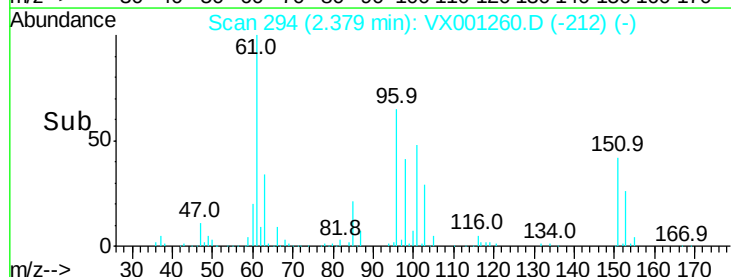
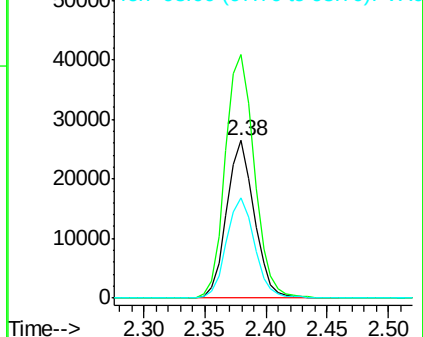
98 63.3 51.0 76.6

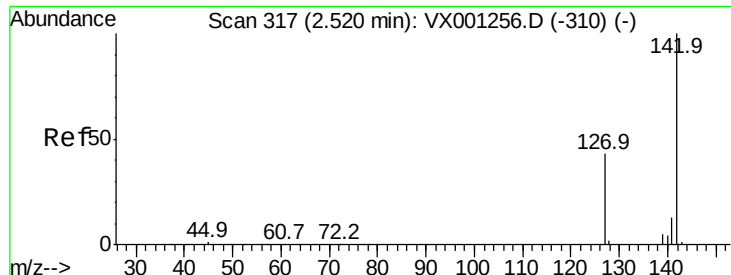


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

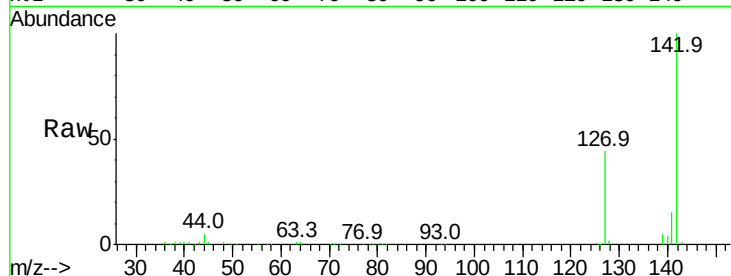




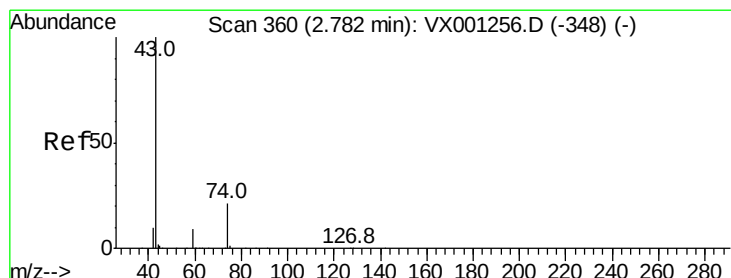
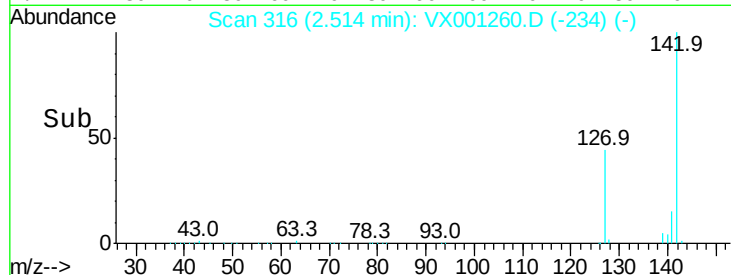
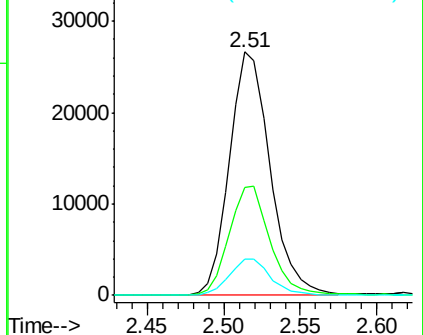
#11
Methvl Iodide
Concen: 18.855 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

Tot Ion:142 Resp: 49421
Ion Ratio Lower Upper
142 100
127 44.0 23.8 71.5
141 14.7 8.2 24.4

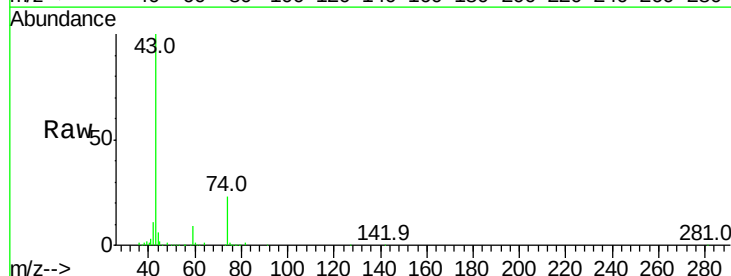


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

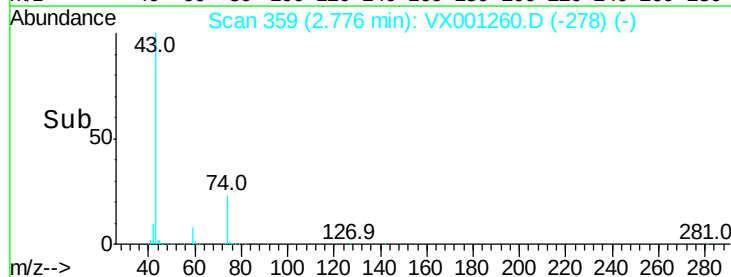
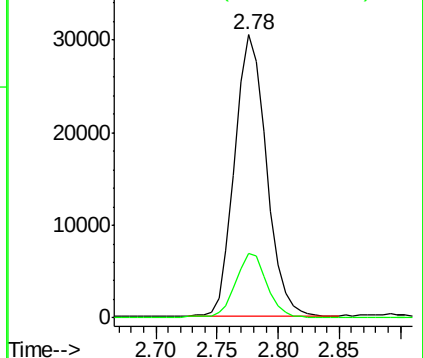


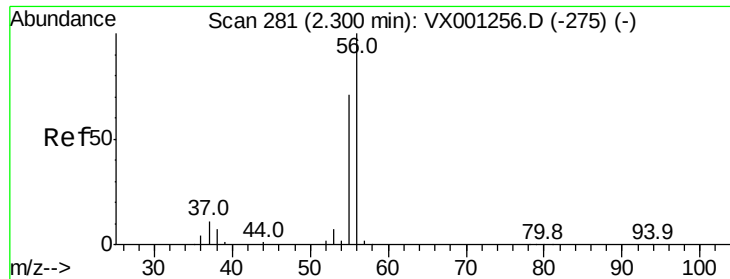
#12
Methyl Acetate
Concen: 19.393 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Tgt Ion: 43 Resp: 54942
Ion Ratio Lower Upper
43 100
74 22.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 99.282 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

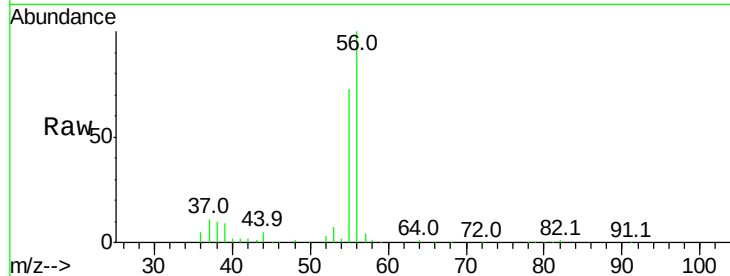
ICVVX043018

Tot Ion: 56 Resp: 33548

Ion Ratio Lower Upper

56 100

55 73.2 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

20000

15000

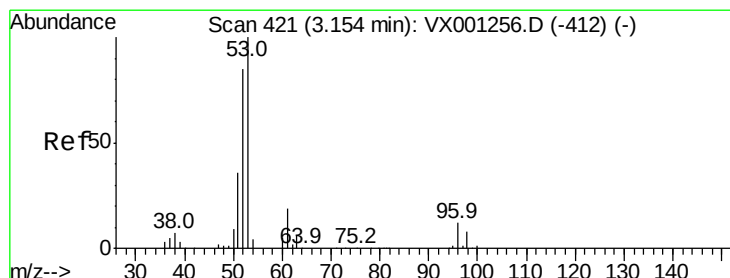
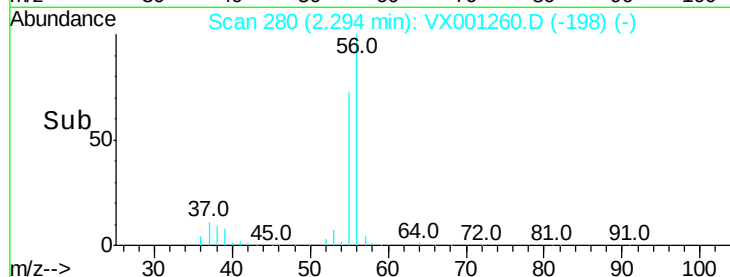
10000

5000

0

Time-->

2.25 2.30 2.35



#14

Acrylonitrile

Concen: 95.094 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

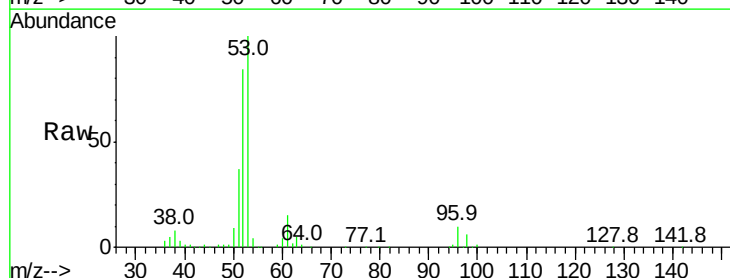
Tgt Ion: 53 Resp: 107234

Ion Ratio Lower Upper

53 100

52 84.0 41.9 125.8

51 38.4 18.8 56.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

60000

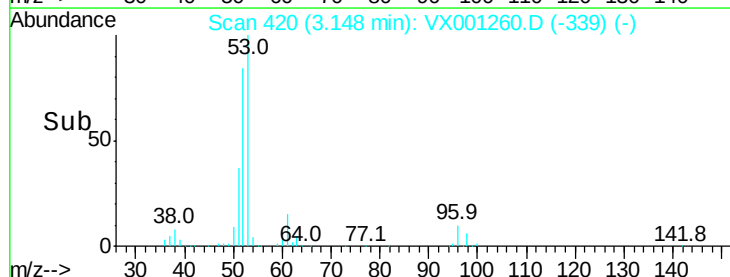
40000

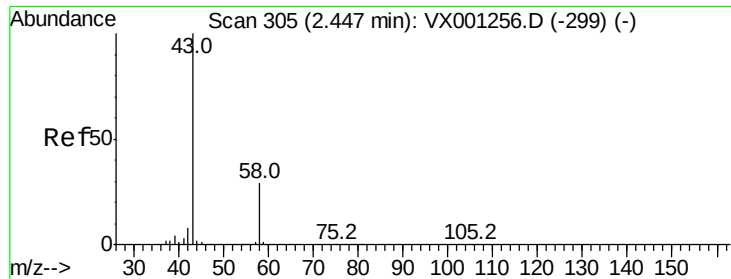
20000

0

Time-->

3.10 3.15 3.20





#15

Acetone

Concen: 94.203 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

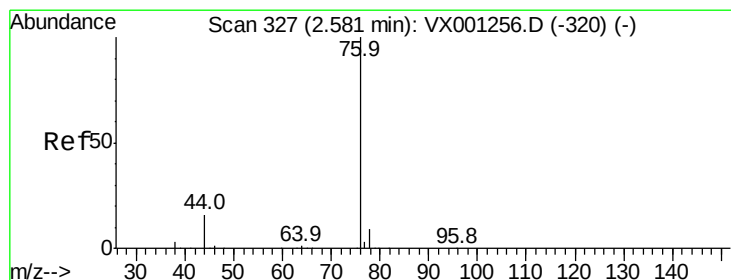
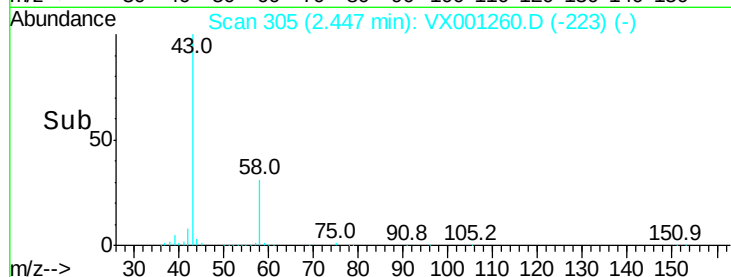
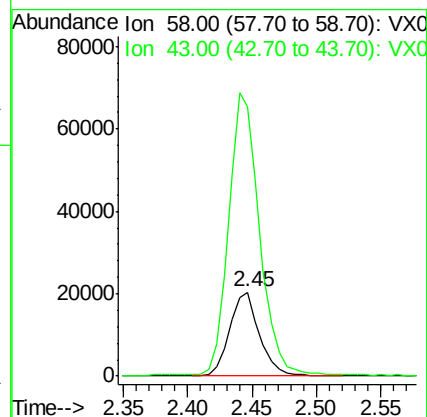
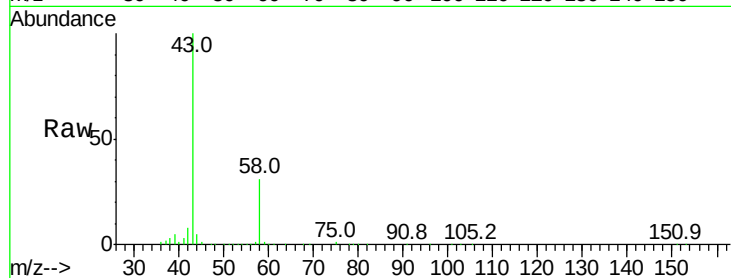
ICVVX043018

Tot Ion: 58 Resp: 33053

Ion Ratio Lower Upper

58 100

43 319.9 264.6 396.8



#16

Carbon Disulfide

Concen: 18.985 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX001260.D

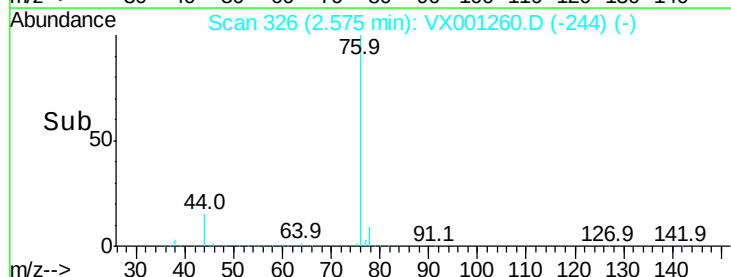
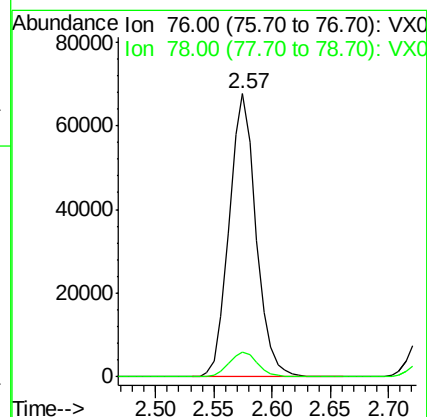
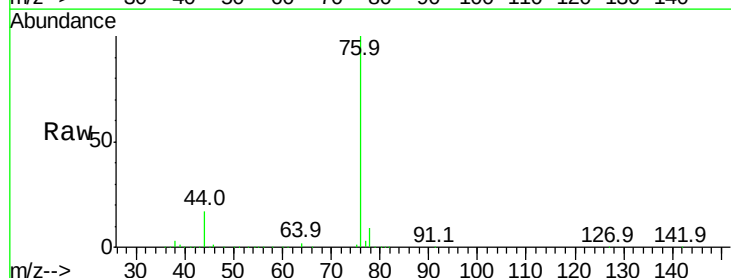
Acq: 30 Apr 2018 17:30

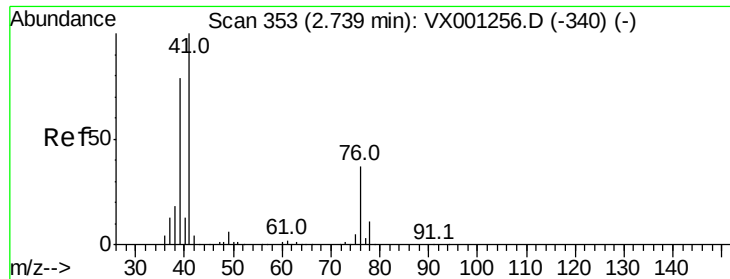
Tgt Ion: 76 Resp: 108820

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

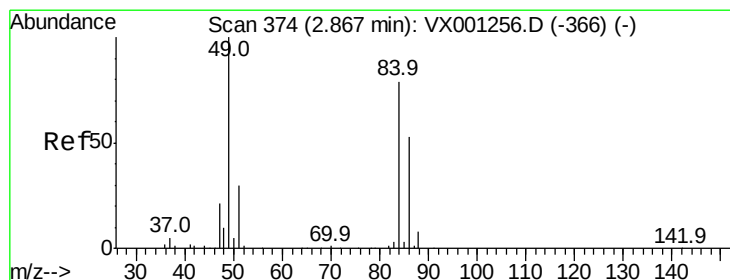
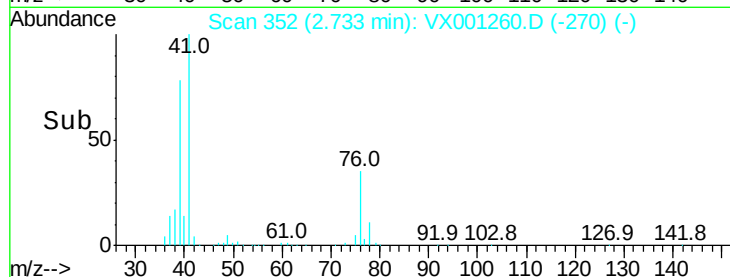
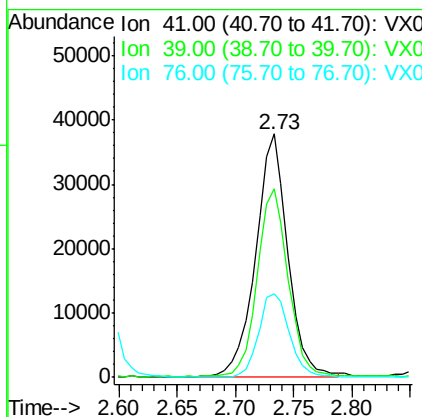
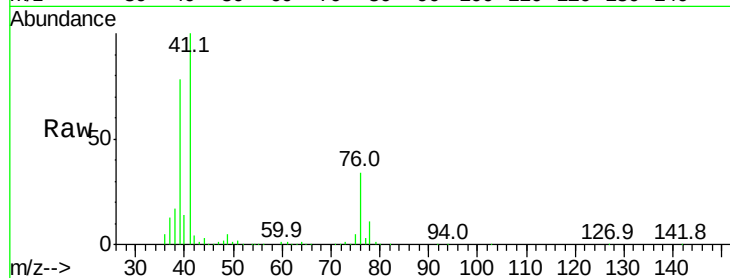




#17
Allvl chloride
Concen: 18.866 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

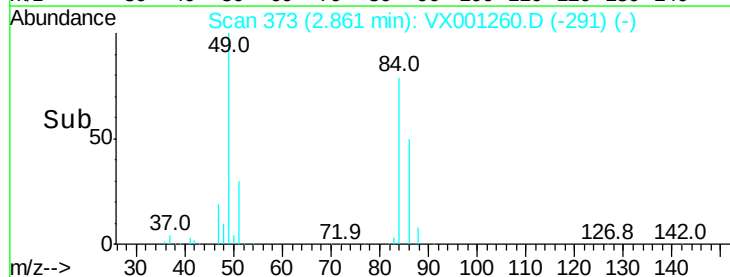
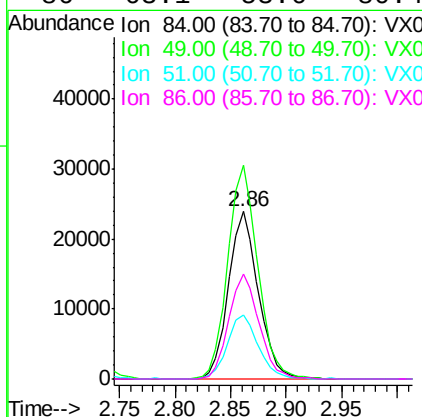
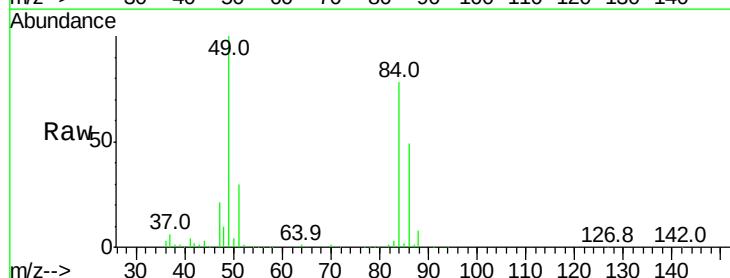
Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

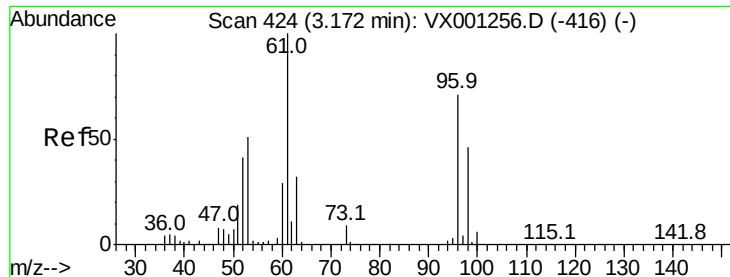
Tot Ion: 41 Resp: 72148
Ion Ratio Lower Upper
41 100
39 77.2 38.5 115.5
76 34.2 18.7 56.1



#18
Methylene Chloride
Concen: 19.027 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Tgt Ion: 84 Resp: 44691
Ion Ratio Lower Upper
84 100
49 127.5 103.3 154.9
51 38.2 31.2 46.8
86 63.1 53.6 80.4





#19

trans-1,2-Dichloroethene

Concen: 19.016 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX043018

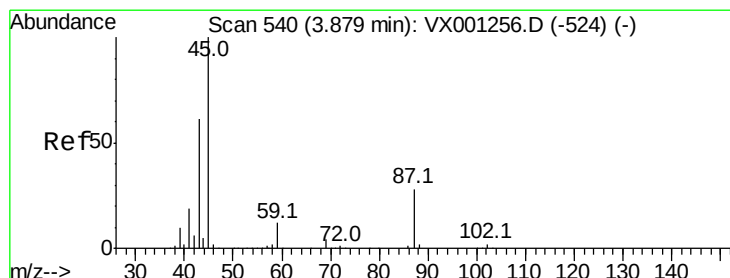
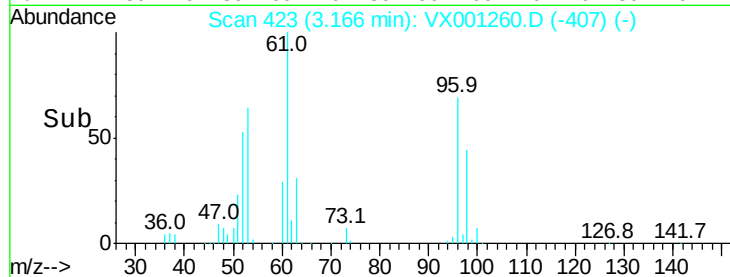
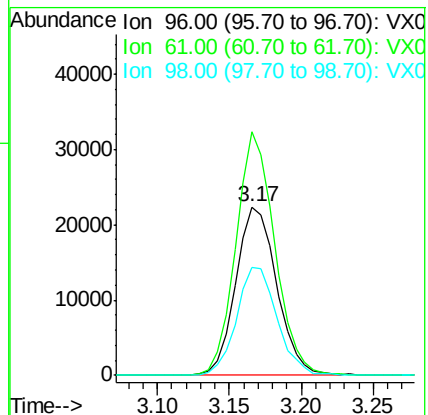
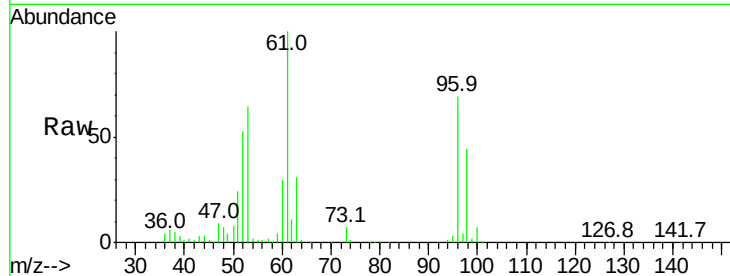
Tot Ion: 96 Resp: 44182

Ion Ratio Lower Upper

96 100

61 144.4 101.0 151.6

98 64.3 53.3 79.9



#20

Diisopropyl ether

Concen: 18.677 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Tgt Ion: 45 Resp: 140568

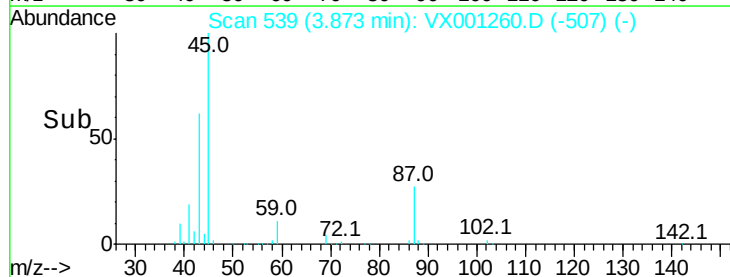
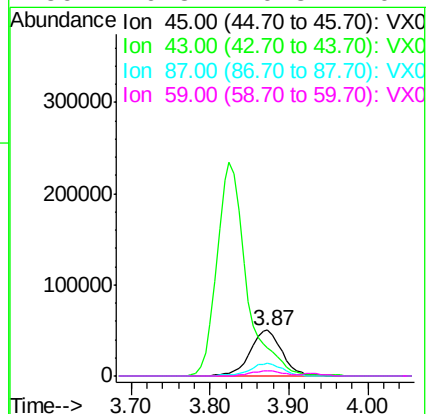
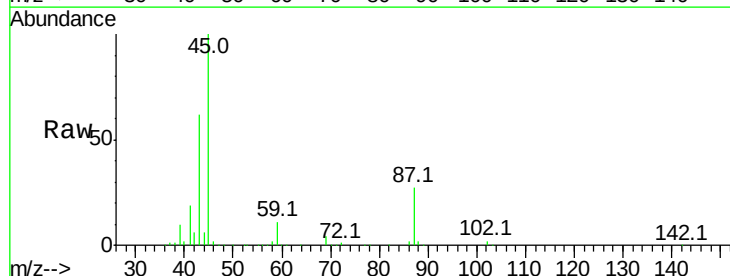
Ion Ratio Lower Upper

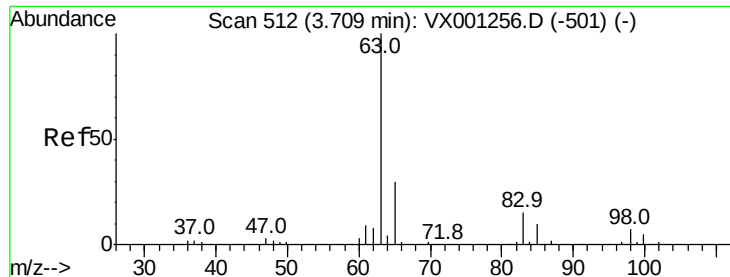
45 100

43 60.5 49.6 74.4

87 27.4 23.1 34.7

59 10.8 10.8 16.2#

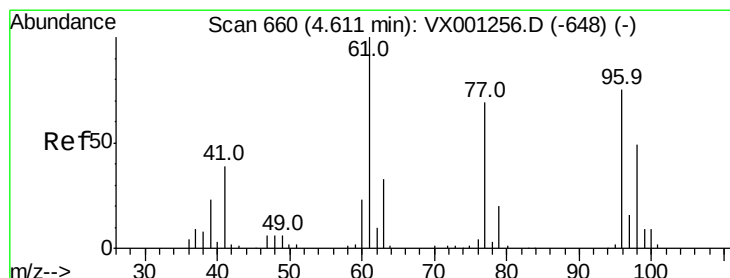
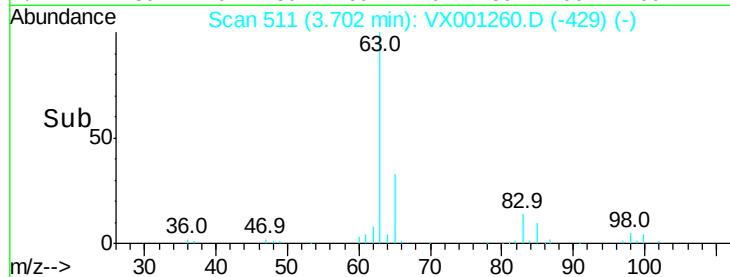
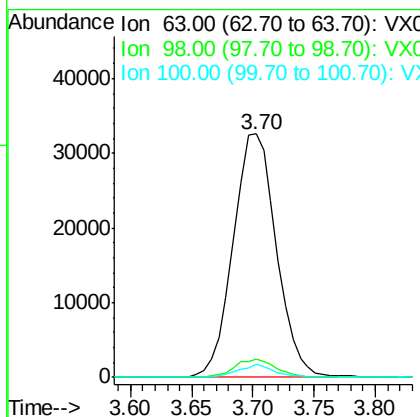
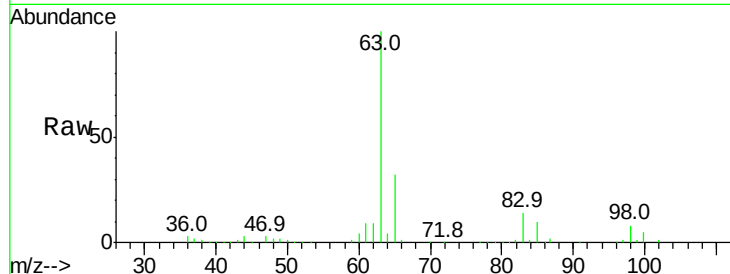




#21
 1,1-Dichloroethane
 Concen: 19.784 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

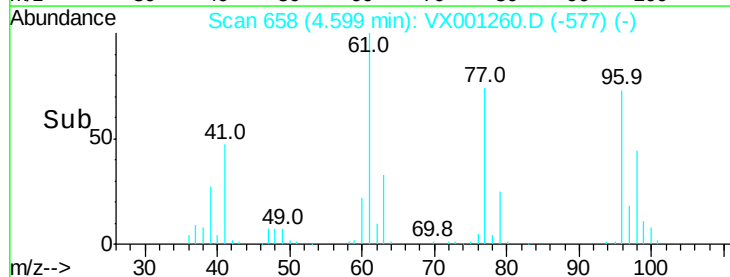
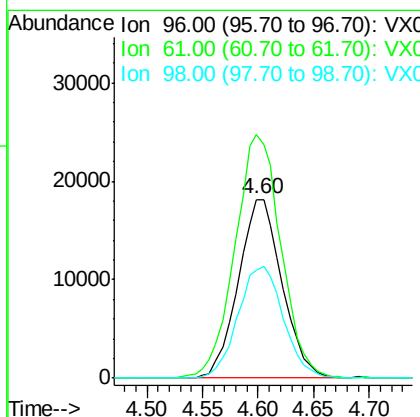
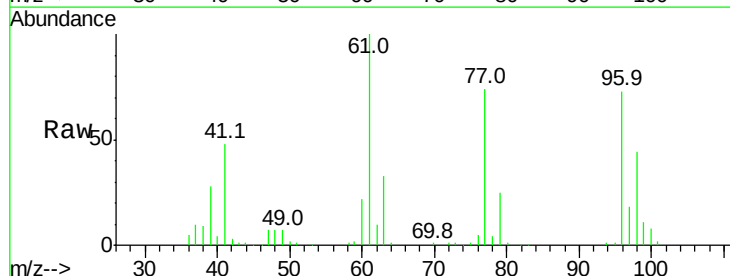
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

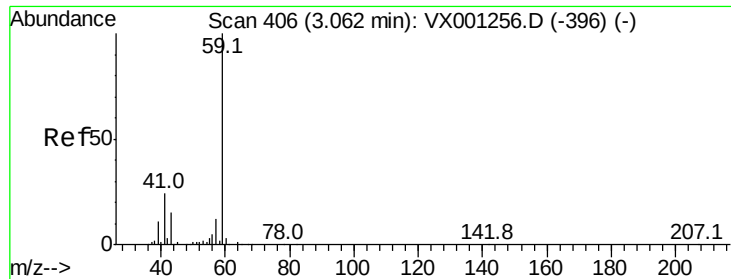
Tot Ion: 63 Resp: 80015
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.3 9.9
 100 5.4 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.156 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Tgt Ion: 96 Resp: 49701
 Ion Ratio Lower Upper
 96 100
 61 143.0 113.5 170.3
 98 65.0 51.8 77.8



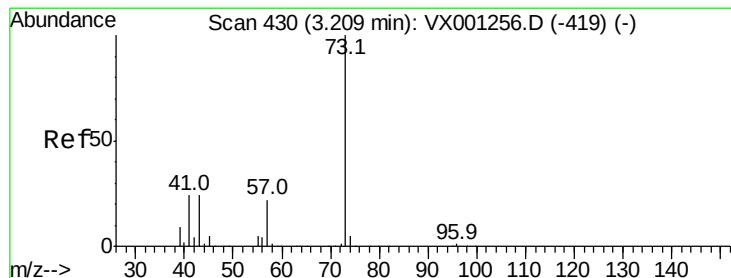
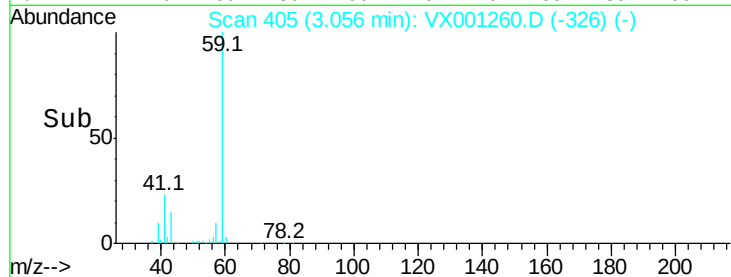
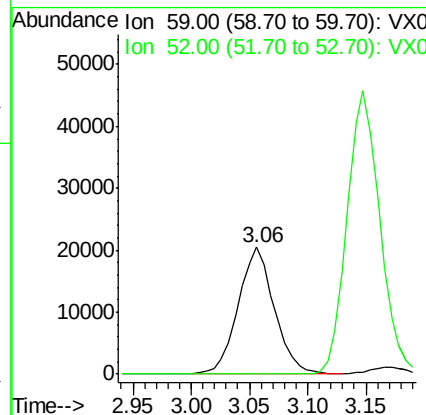
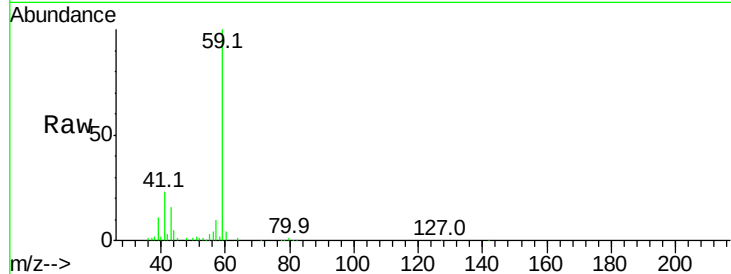


#23

tert-Butyl Alcohol
 Concen: 96.254 ug/l
 RT: 3.06 min Scan# 405
 Delta R.T. -0.02 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX043018

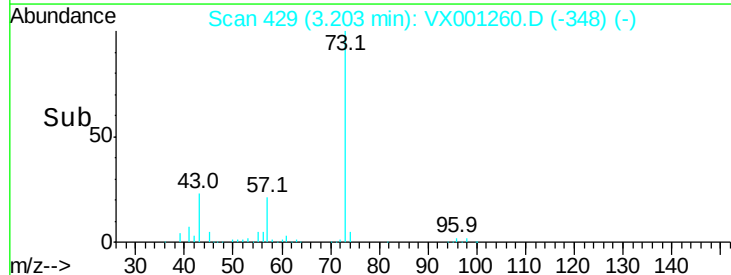
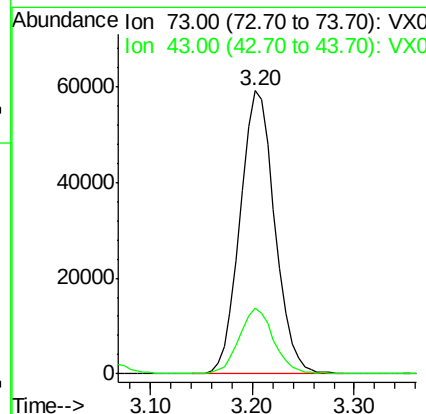
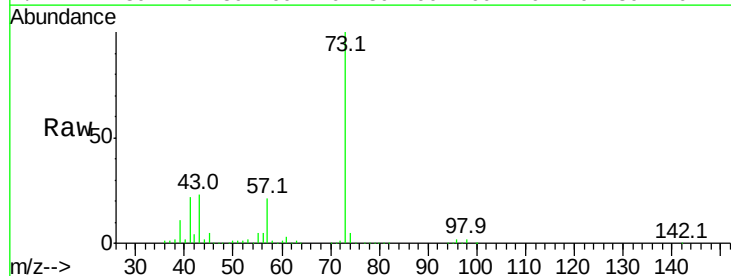
Tot Ion: 59 Resp: 44358
 Ion Ratio Lower Upper
 59 100
 52 0.6 0.1 0.1#

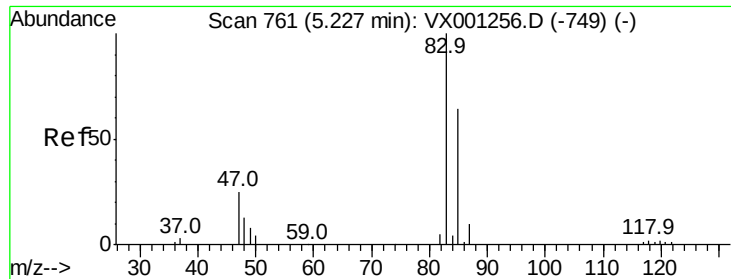


#24

Methyl tert-Butyl Ether
 Concen: 18.871 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Tgt Ion: 73 Resp: 139465
 Ion Ratio Lower Upper
 73 100
 43 22.8 16.5 24.7





#25

Chloroform

Concen: 18.738 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

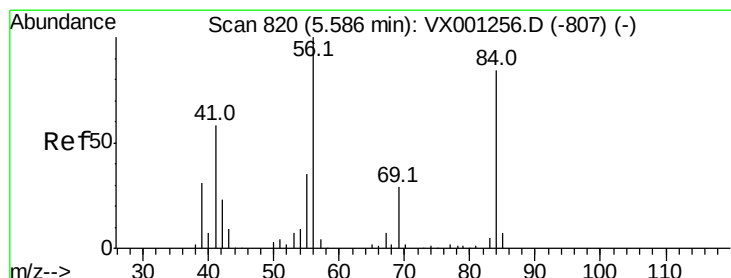
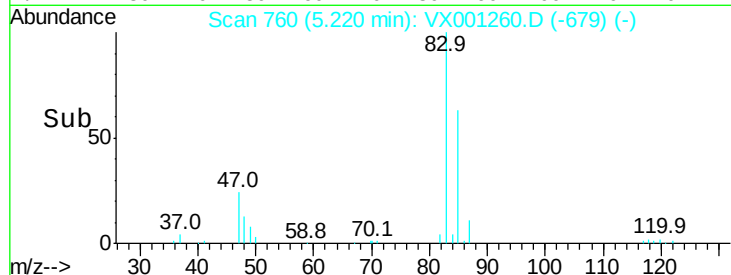
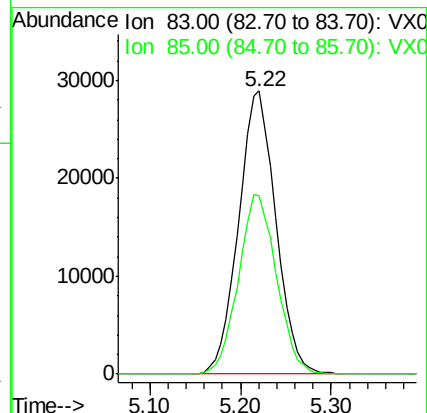
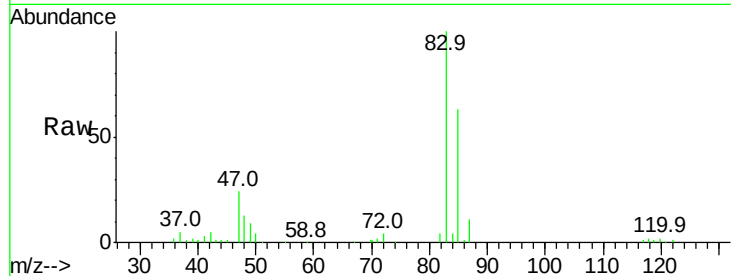
ICVVX043018

Tot Ion: 83 Resp: 82511

Ion Ratio Lower Upper

83 100

85 63.1 52.5 78.7



#26

Cyclohexane

Concen: 19.539 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

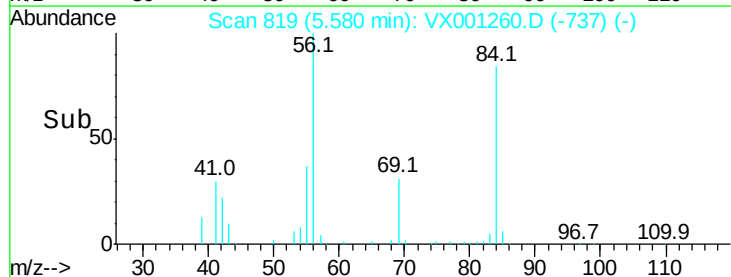
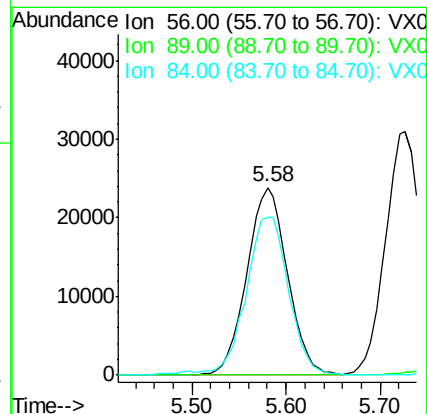
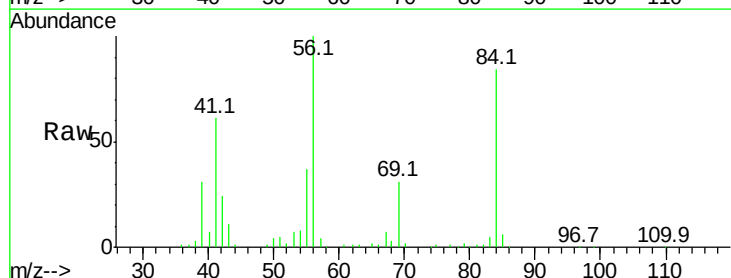
Tgt Ion: 56 Resp: 71850

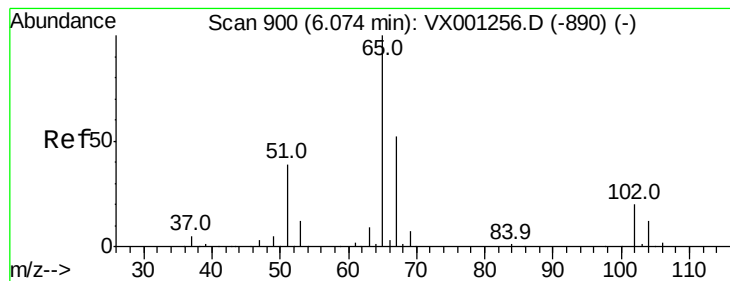
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.6 74.8 112.2





#27

1,2-Dichloroethane-d4

Concen: 30.425 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

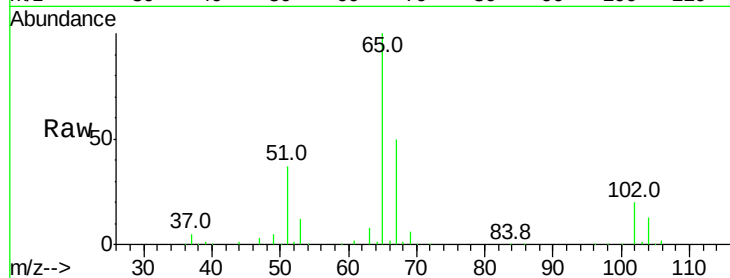
ICVVX043018

Tot Ion: 65 Resp: 86342

Ion Ratio Lower Upper

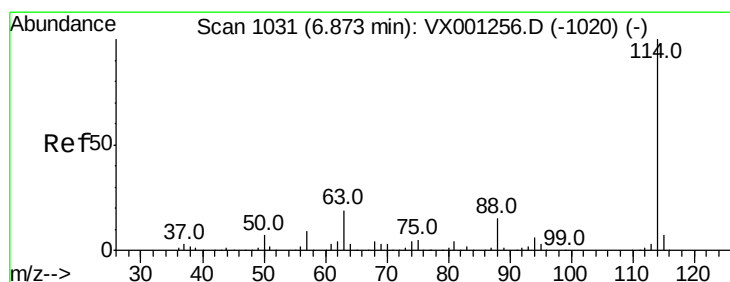
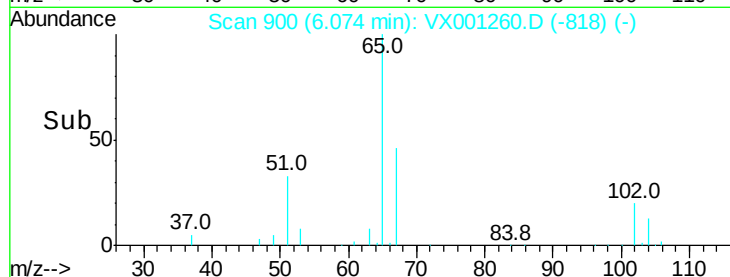
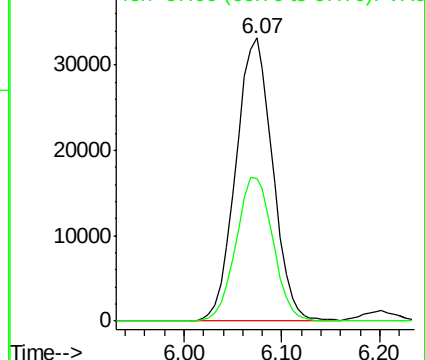
65 100

67 51.1 41.4 62.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

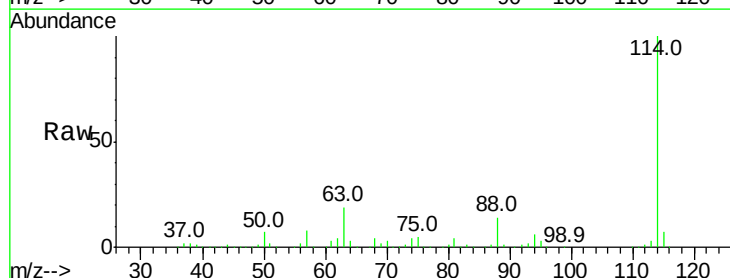
Tgt Ion: 114 Resp: 223528

Ion Ratio Lower Upper

114 100

63 19.4 15.0 22.4

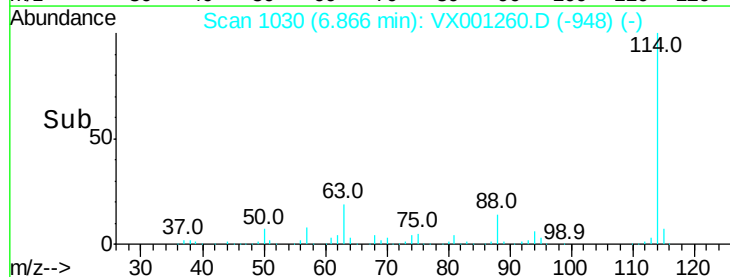
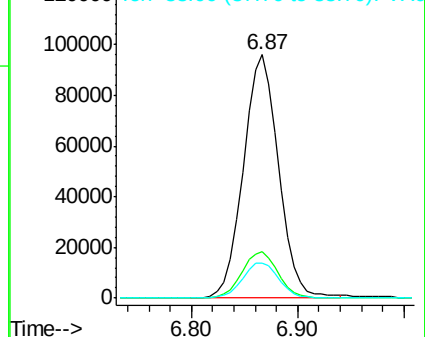
88 15.1 11.8 17.8

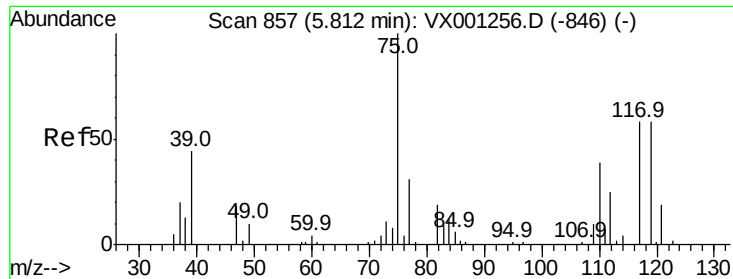


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.452 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX043018

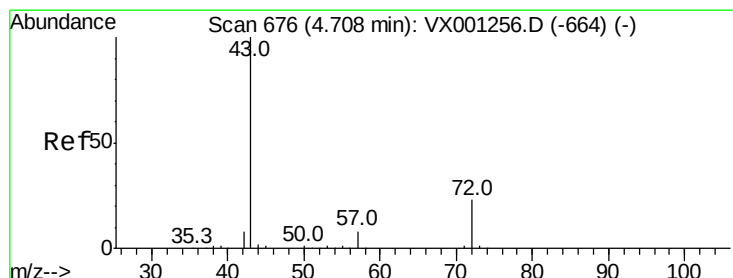
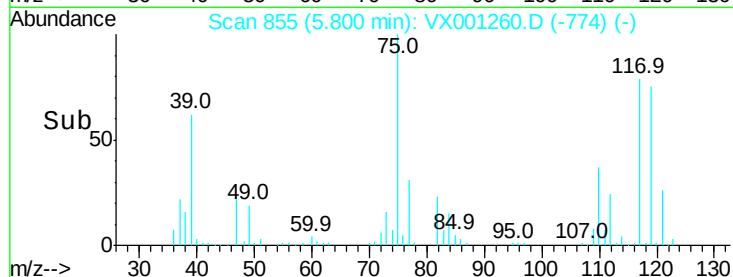
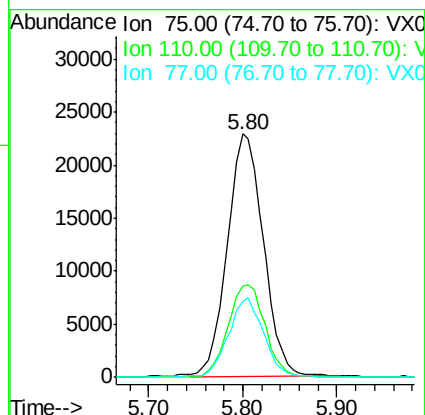
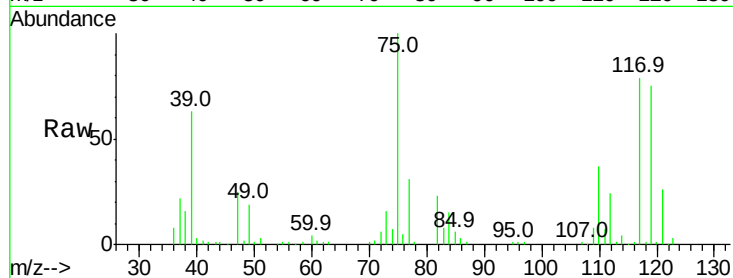
Tot Ion: 75 Resp: 61106

Ion Ratio Lower Upper

75 100

110 39.3 0.0 75.6

77 32.0 0.0 62.6



#30

2-Butanone

Concen: 93.315 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

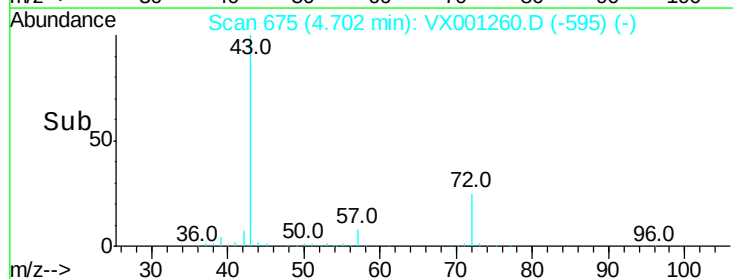
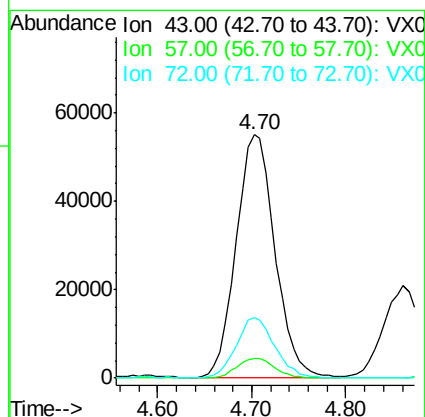
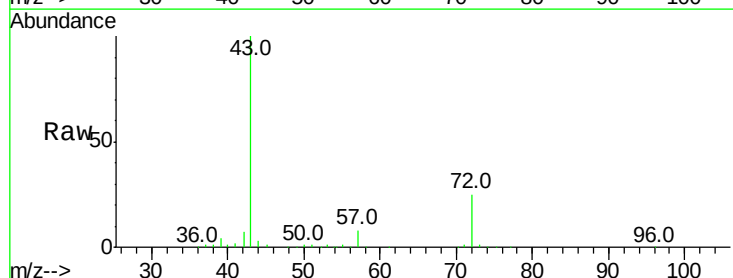
Tgt Ion: 43 Resp: 158360

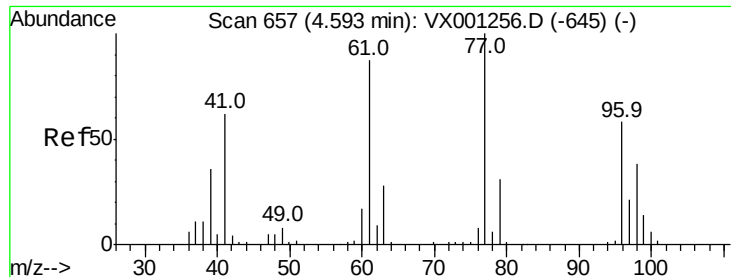
Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 24.8 21.8 32.6

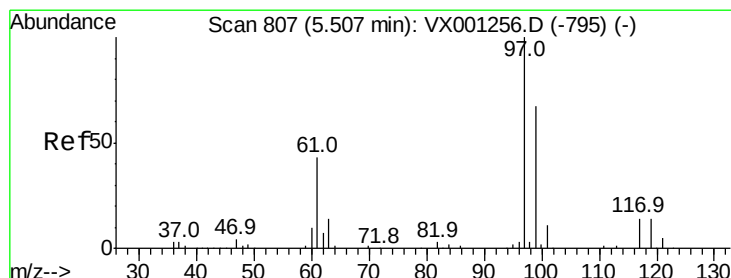
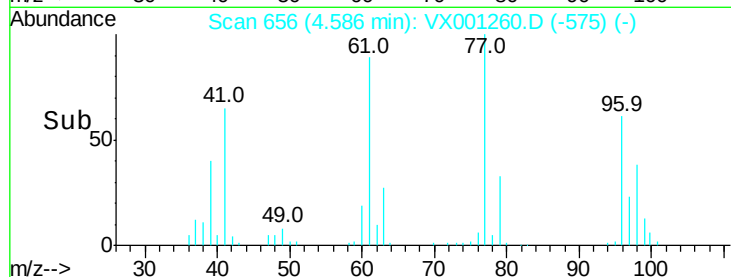
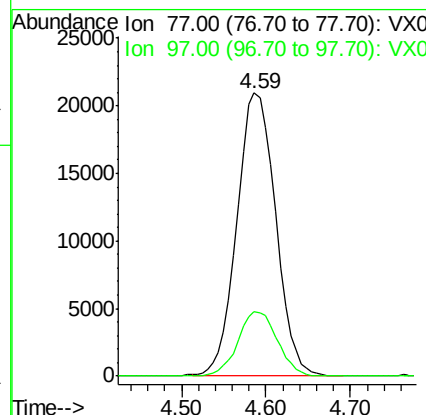
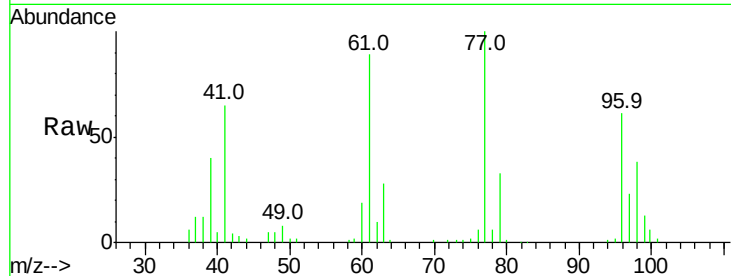




#31
 2,2-Dichloropropane
 Concen: 18.097 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

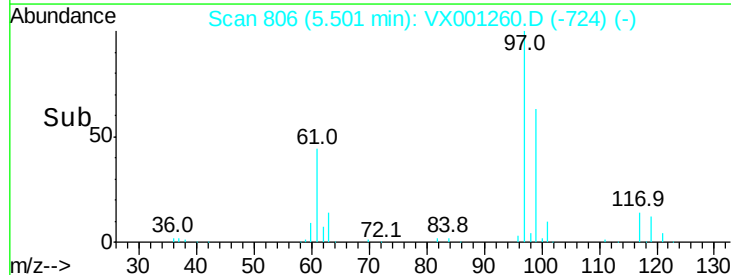
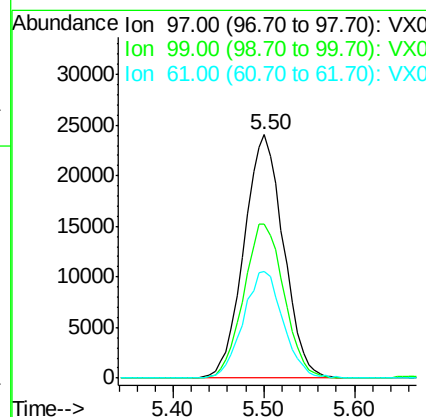
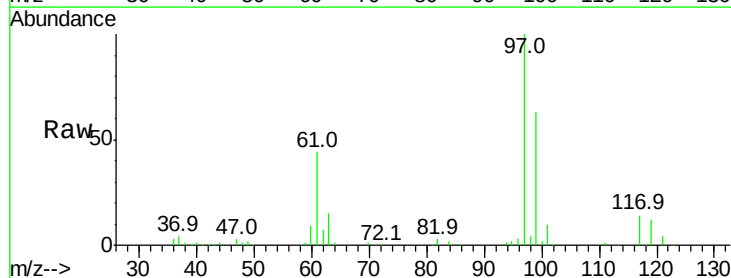
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

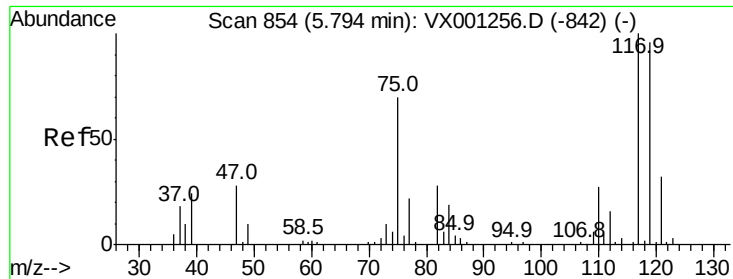
Tot Ion: 77 Resp: 65427
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.6 27.8



#32
 1,1,1-Trichloroethane
 Concen: 18.091 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Tgt Ion: 97 Resp: 72489
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.3 78.5
 61 44.0 34.3 51.5

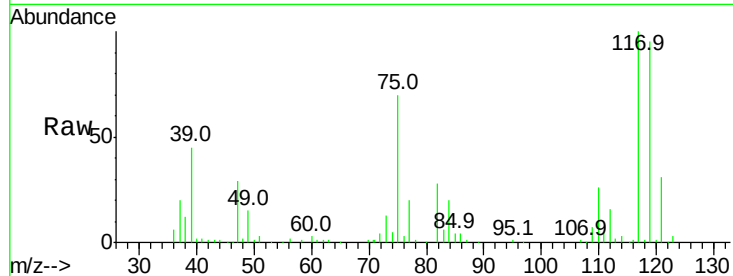




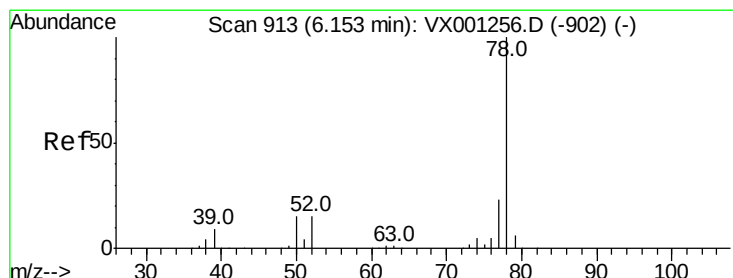
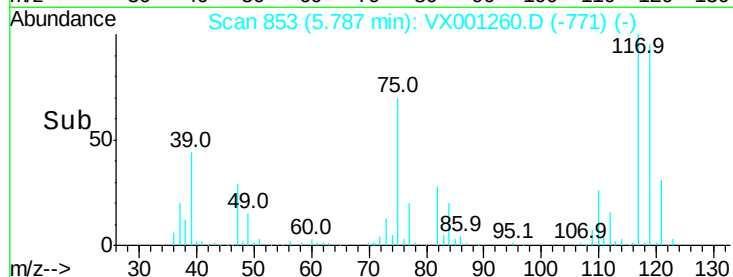
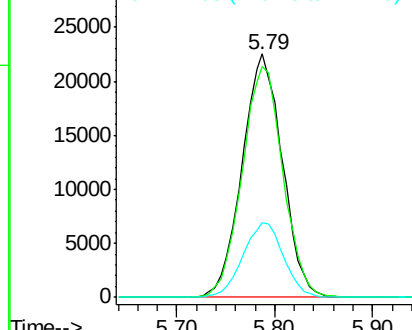
#33
Carbon Tetrachloride
Concen: 17.771 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

Tot Ion:117 Resp: 64181
Ion Ratio Lower Upper
117 100
119 94.7 73.5 110.3
121 30.6 24.6 37.0

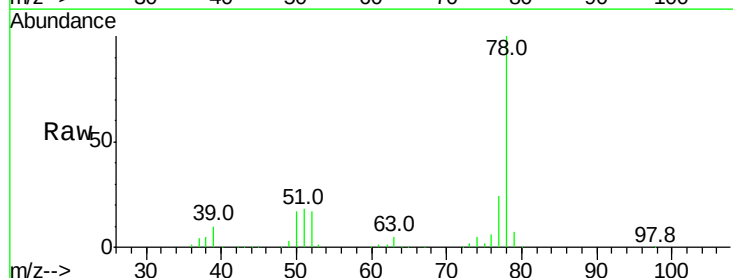


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

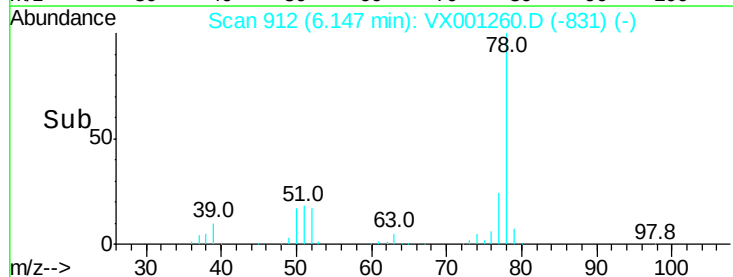
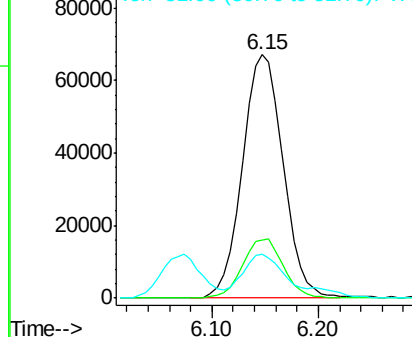


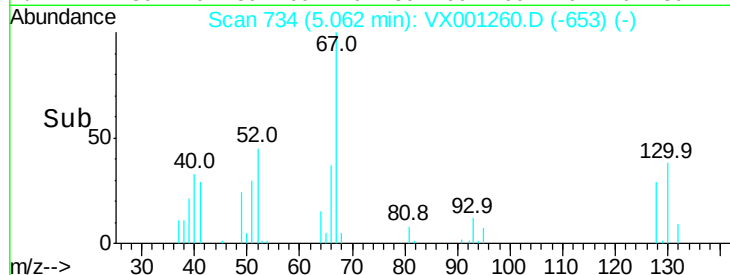
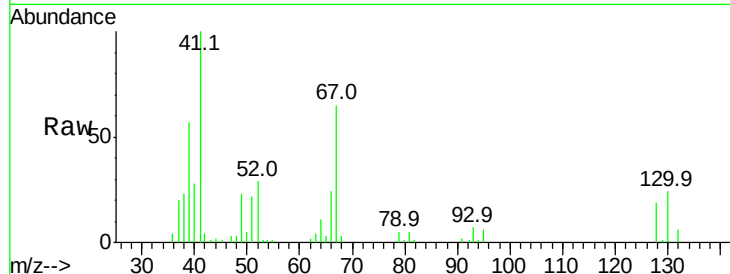
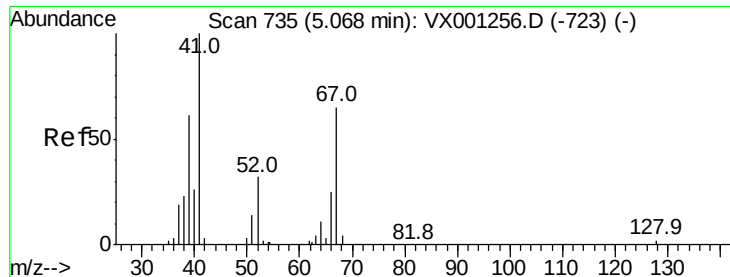
#34
Benzene
Concen: 18.351 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Tgt Ion: 78 Resp: 180081
Ion Ratio Lower Upper
78 100
77 23.9 21.7 32.5
51 15.6 14.9 22.3



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

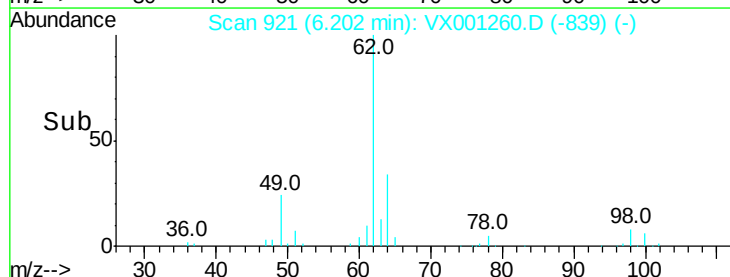
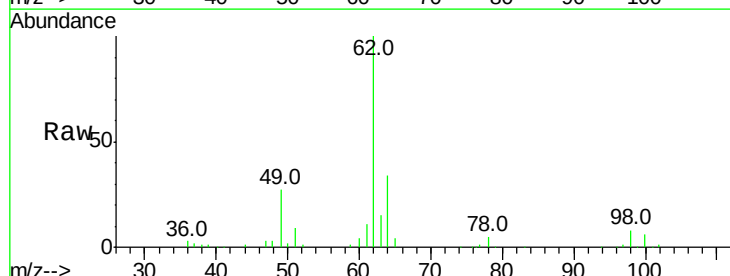
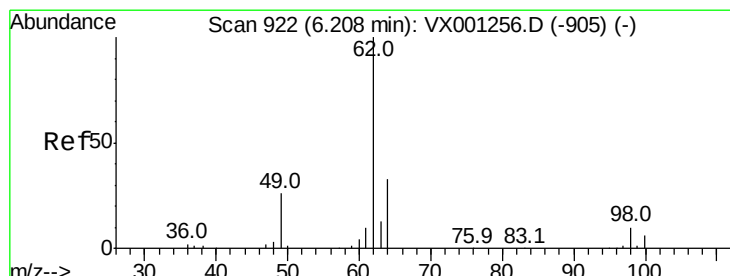
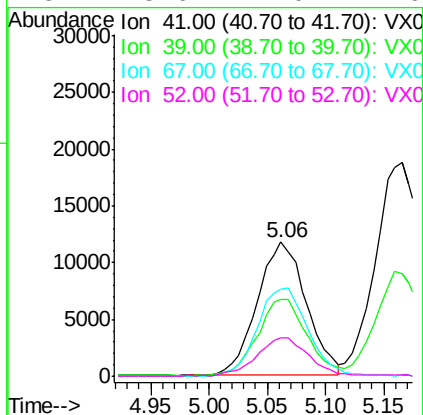




#35
Methacrylonitrile
Concen: 18.223 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

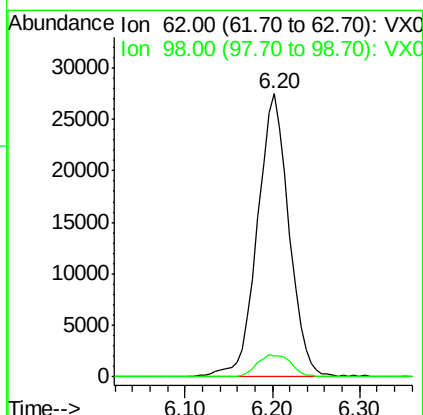
Instrument :
MSVOA_X
ClientSampleId :
ICVVX043018

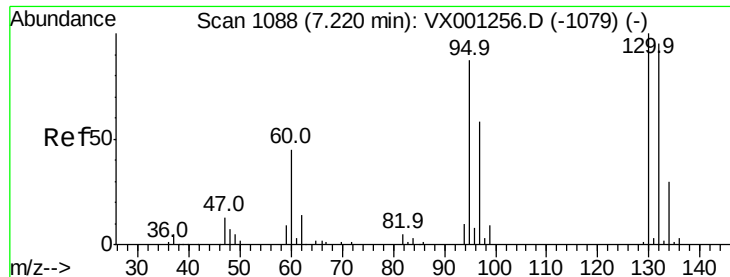
Tot Ion:	41	Resp:	34317
Ion	Ratio	Lower	Upper
41	100		
39	56.8	29.8	89.3
67	65.3	28.7	86.3
52	28.6	14.0	41.9



#36
1,2-Dichloroethane
Concen: 18.358 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001260.D
Acq: 30 Apr 2018 17:30

Tgt Ion:	62	Resp:	69143
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.9	10.3





#37

Trichloroethene

Concen: 18.787 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

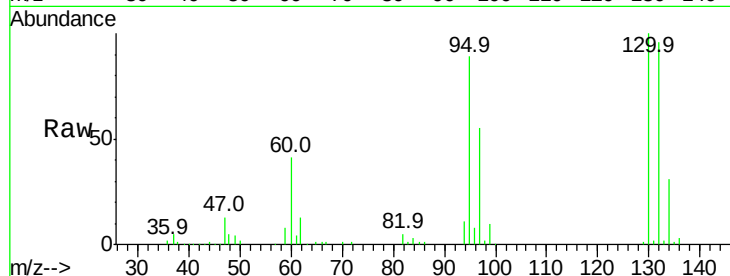
ICVVX043018

Tot Ion:130 Resp: 55903

Ion Ratio Lower Upper

130 100

95 89.1 74.6 112.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

25000

20000

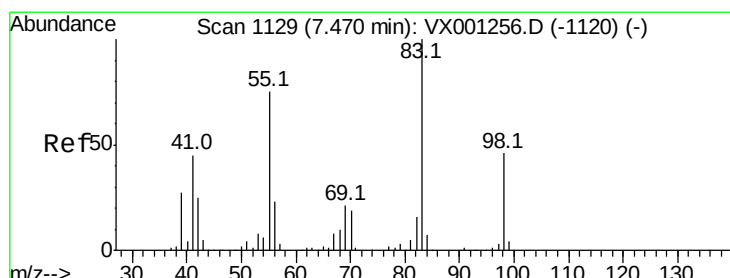
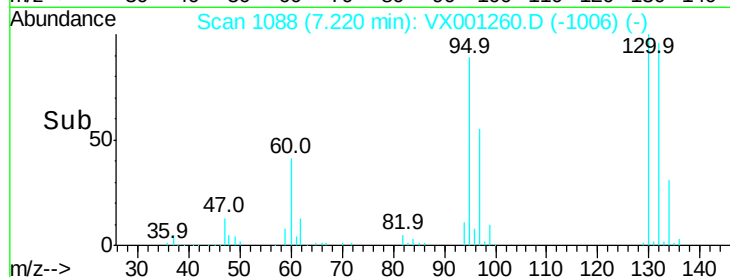
15000

10000

5000

0

Time-->



#38

Methylcyclohexane

Concen: 19.804 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

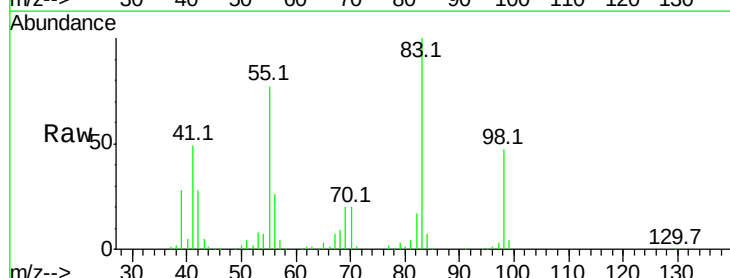
Tgt Ion: 83 Resp: 77171

Ion Ratio Lower Upper

83 100

55 76.4 35.9 107.7

98 48.4 24.6 74.0



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

7.46

40000

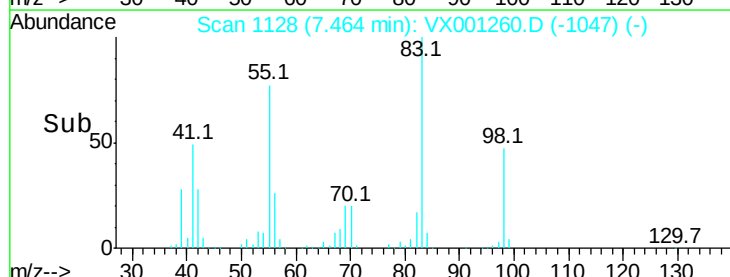
30000

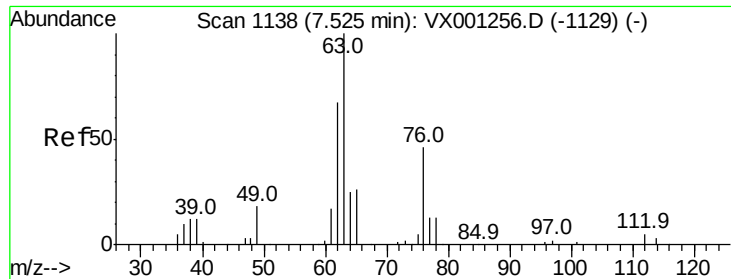
20000

10000

0

Time-->

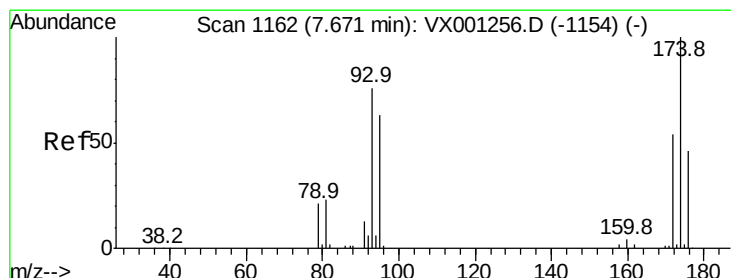
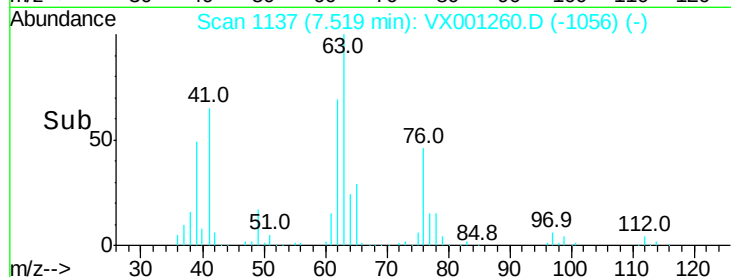
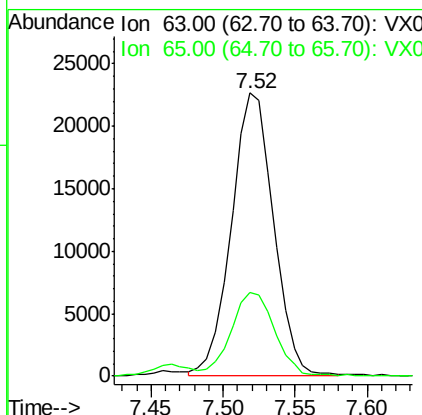
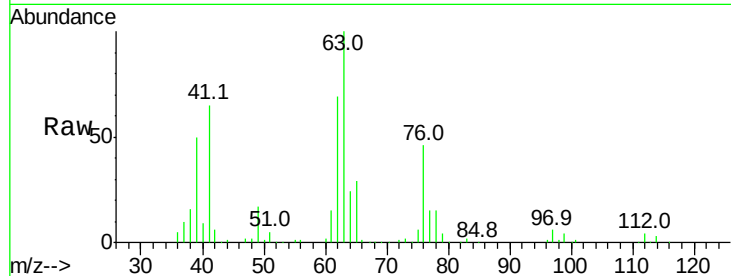




#39
 1,2-Dichloropropane
 Concen: 18.588 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

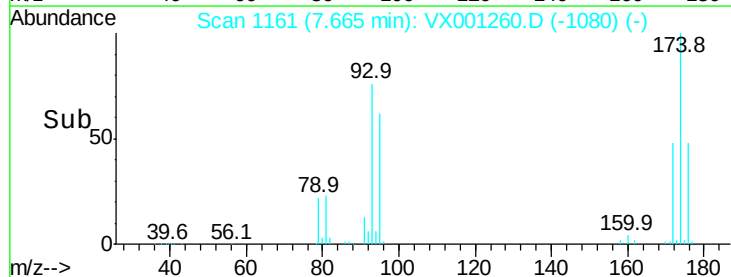
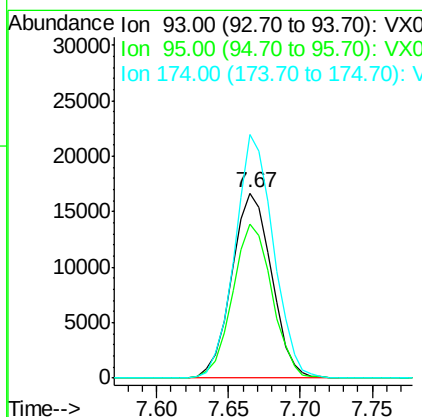
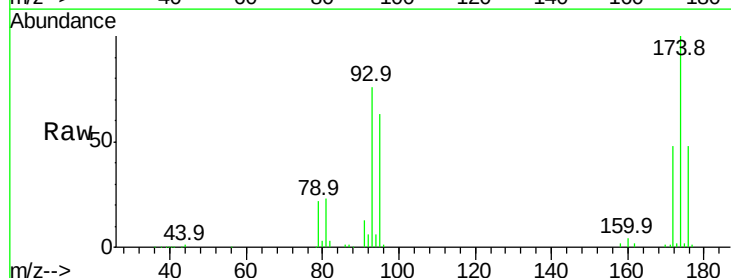
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

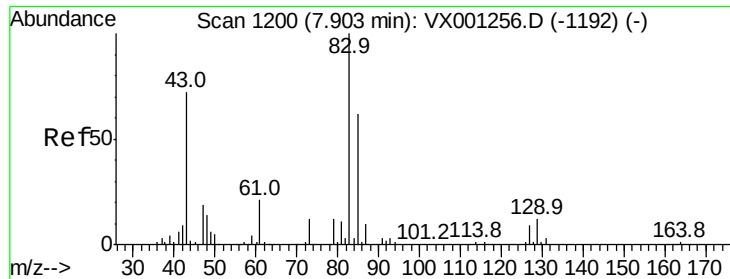
Tot Ion: 63 Resp: 46257
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6



#40
 Dibromomethane
 Concen: 18.359 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Tgt Ion: 93 Resp: 32141
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 170.6
 174 127.0 0.0 210.4





#41

Bromodichloromethane

Concen: 17.340 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX043018

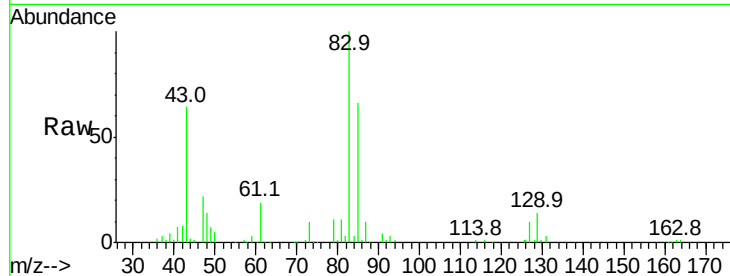
Tot Ion: 83 Resp: 57352

Ion Ratio Lower Upper

83 100

85 66.1 50.0 75.0

127 10.0 6.6 10.0



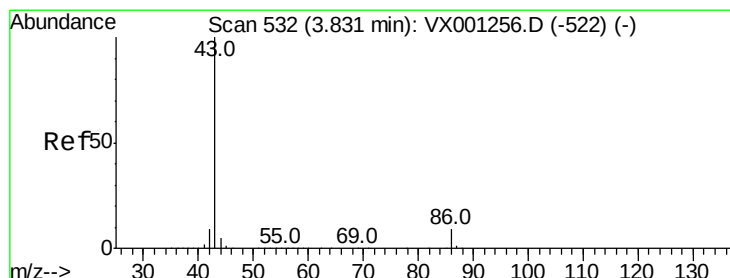
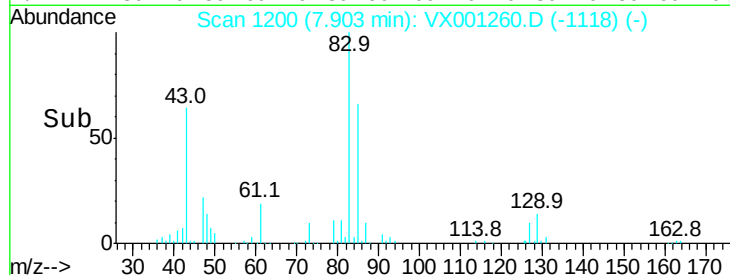
Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V

7.90

Time-->



#42

Vinyl Acetate

Concen: 91.466 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001260.D

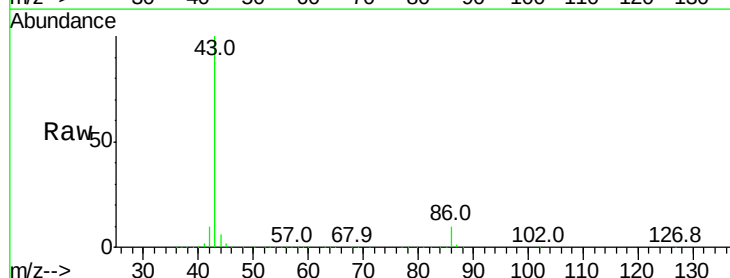
Acq: 30 Apr 2018 17:30

Tgt Ion: 43 Resp: 610576

Ion Ratio Lower Upper

43 100

86 8.7 7.8 11.6

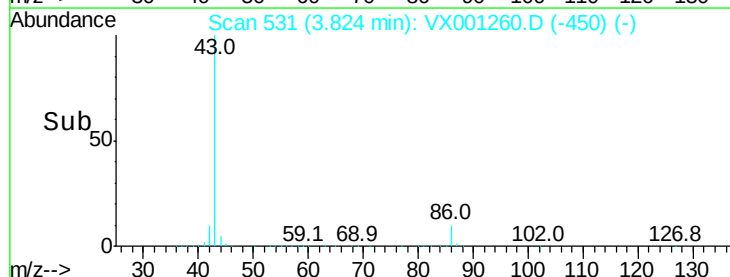


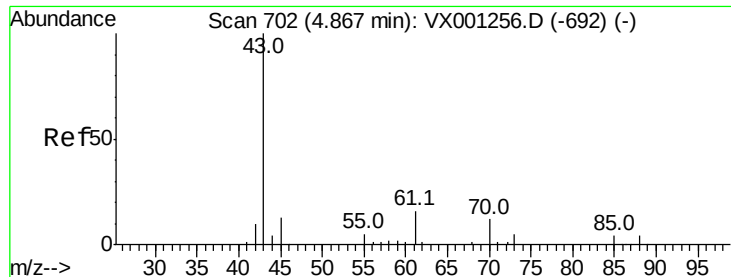
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

Time-->





#43

Ethyl Acetate

Concen: 18.650 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

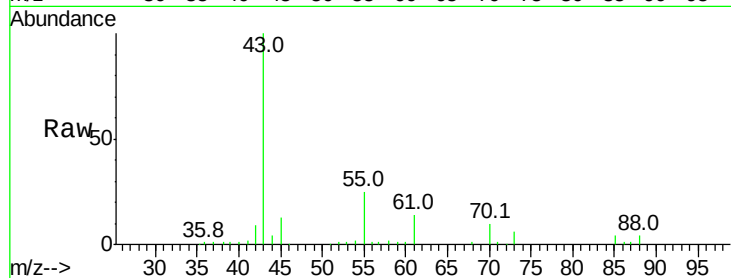
ICVVX043018

Tot Ion: 43 Resp: 60949

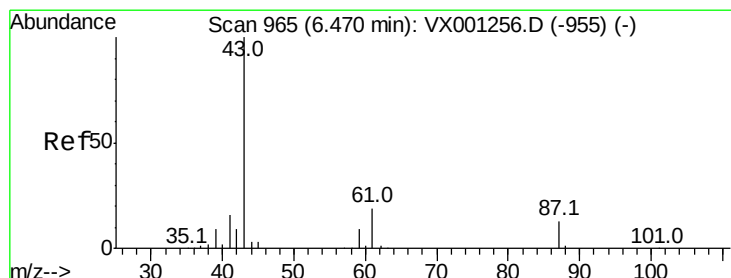
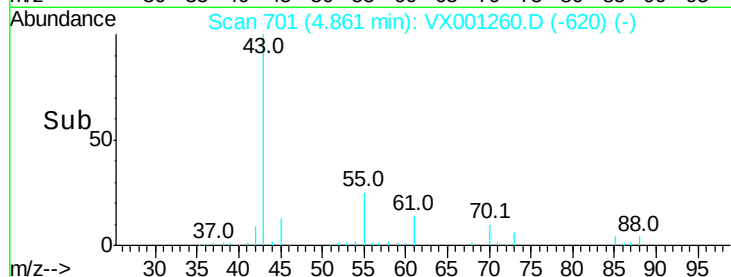
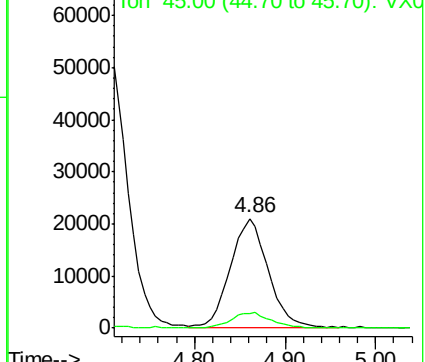
Ion Ratio Lower Upper

43 100

45 14.9 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VX0



#44

Isopropyl Acetate

Concen: 18.003 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX001260.D

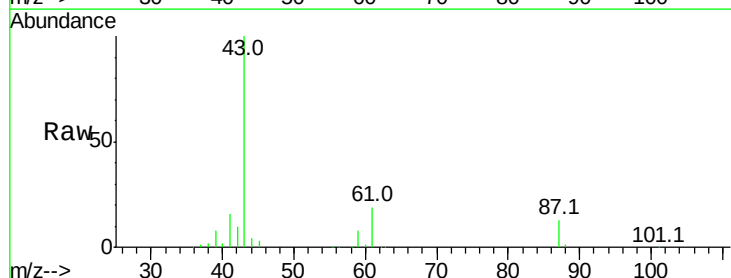
Acq: 30 Apr 2018 17:30

Tgt Ion: 43 Resp: 100115

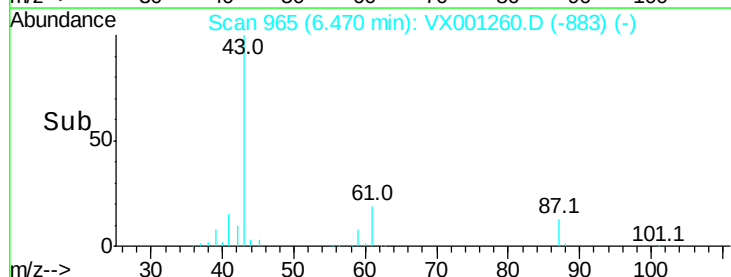
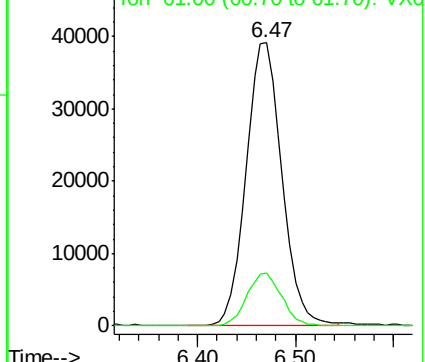
Ion Ratio Lower Upper

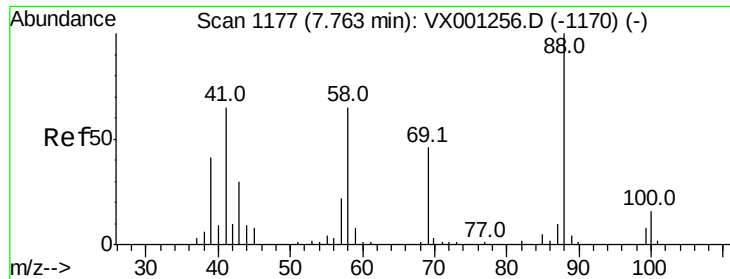
43 100

61 18.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

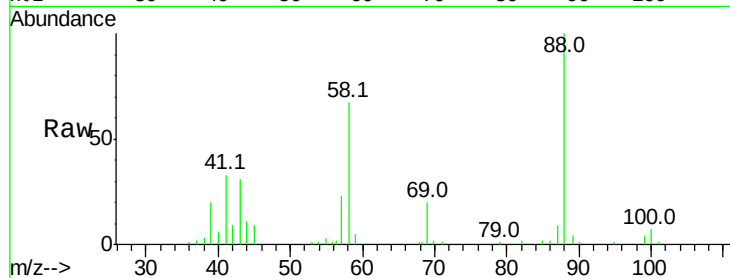




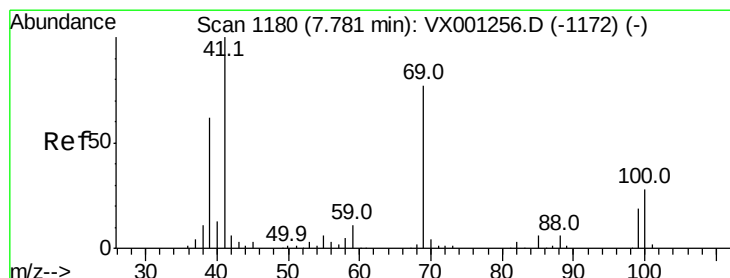
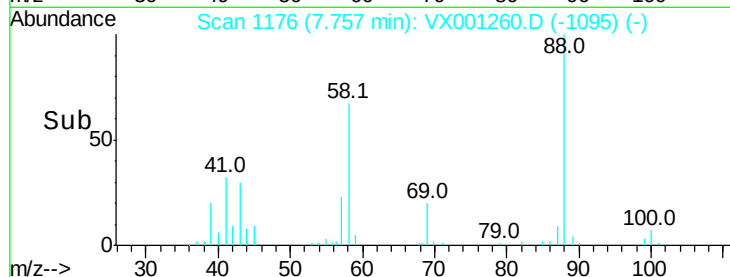
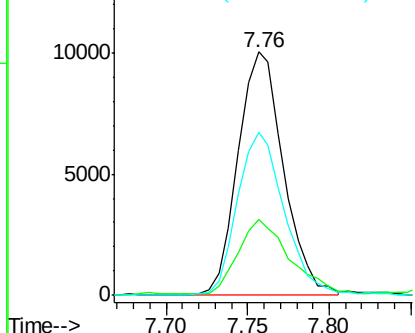
#45
 1,4-Dioxane
 Concen: 387.136 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX043018

Tot Ion: 88 Resp: 19568
 Ion Ratio Lower Upper
 88 100
 43 34.5 26.8 40.2
 58 68.4 52.1 78.1

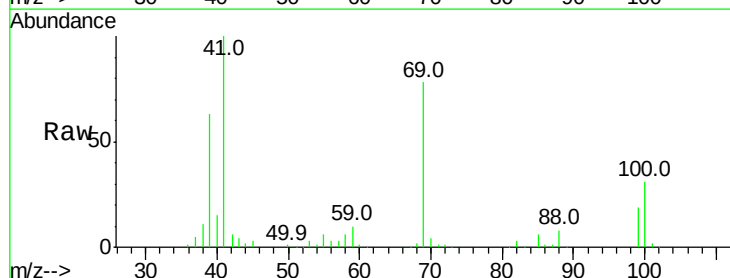


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

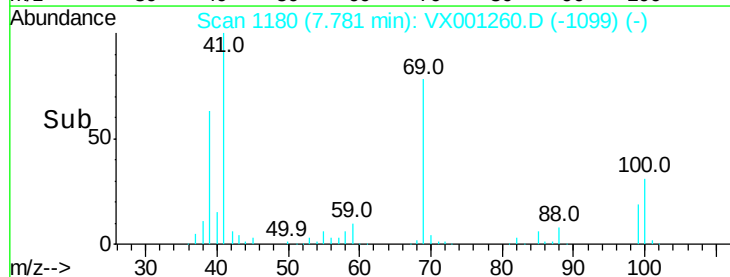
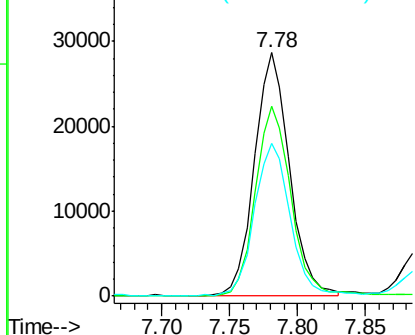


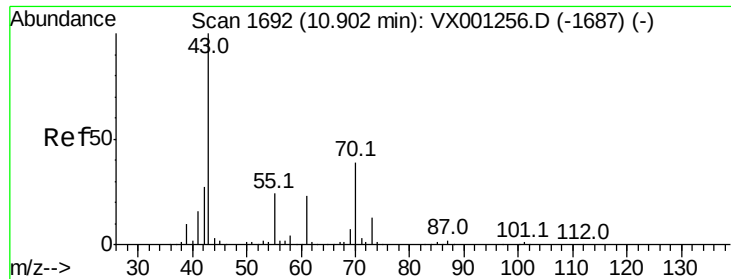
#46
 Methyl methacrylate
 Concen: 17.803 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Tgt Ion: 41 Resp: 51504
 Ion Ratio Lower Upper
 41 100
 69 78.2 45.5 136.5
 39 62.5 32.5 97.5



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





#47

n-amvl Acetate

Concen: 17.169 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001260.D

Acq: 30 Apr 2018 17:30

Instrument :

MSVOA_X

ClientSampleId :

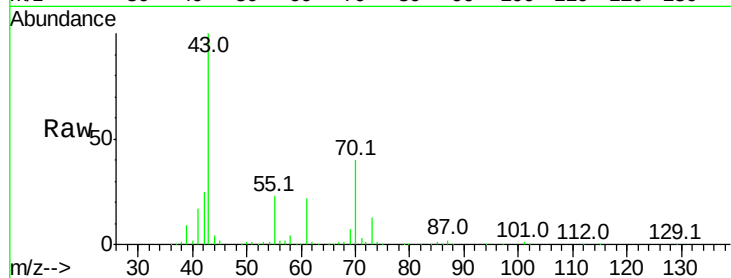
ICVVX043018

Tot Ion: 43 Resp: 91624

Ion Ratio Lower Upper

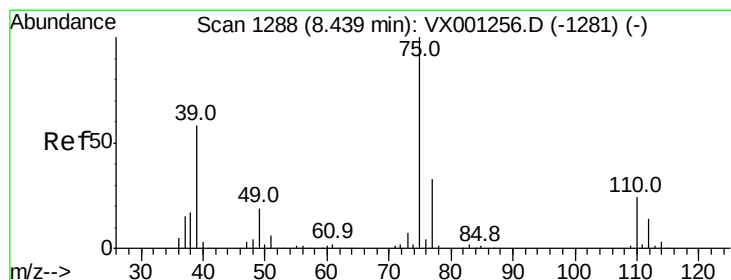
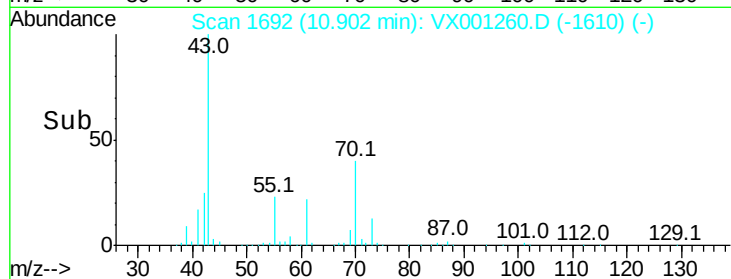
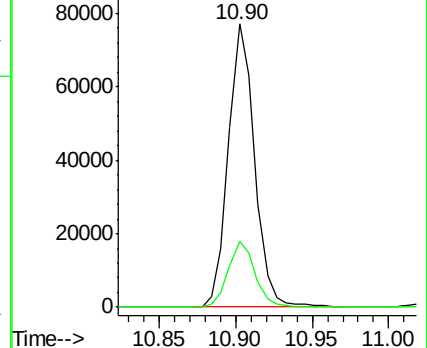
43 100

55 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 17.871 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX001260.D

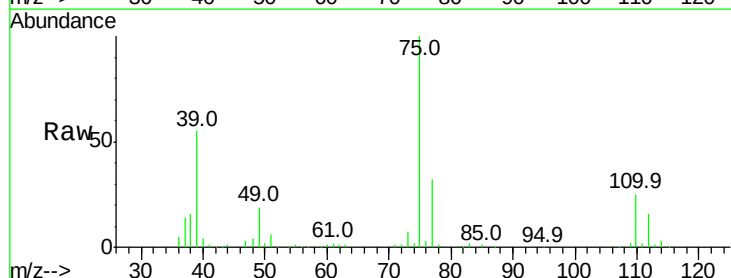
Acq: 30 Apr 2018 17:30

Tgt Ion: 75 Resp: 69580

Ion Ratio Lower Upper

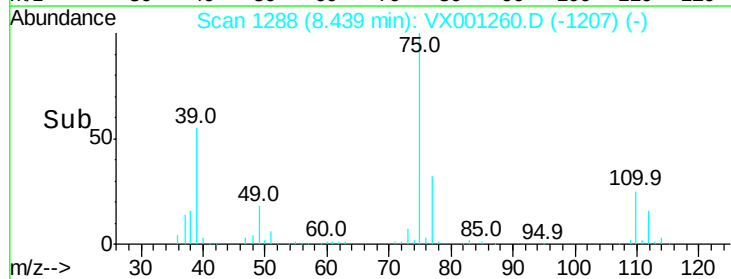
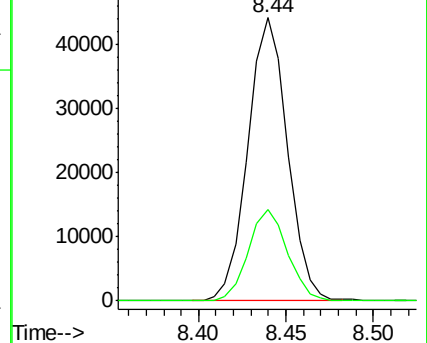
75 100

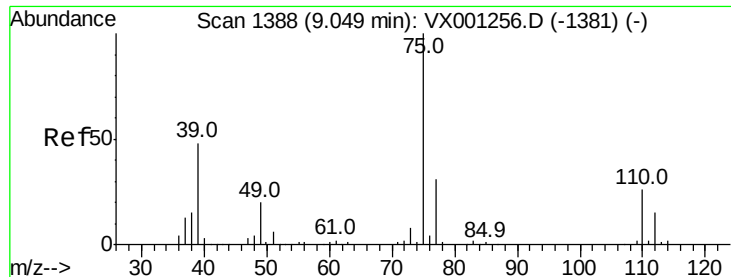
77 32.2 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



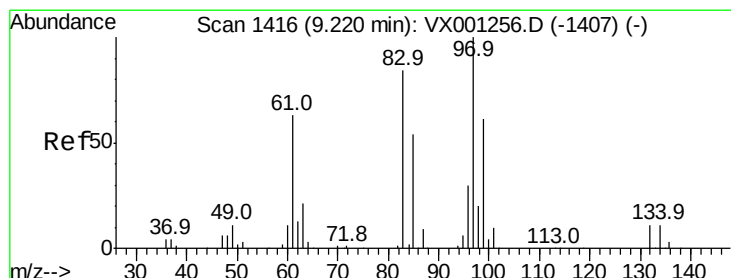
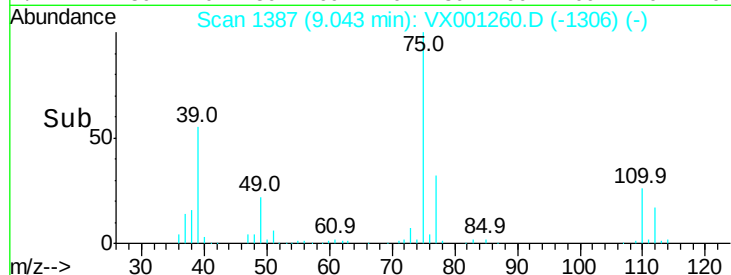
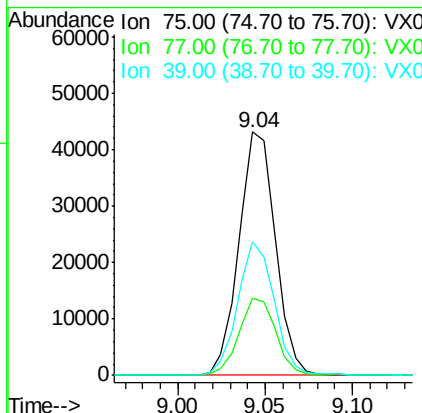
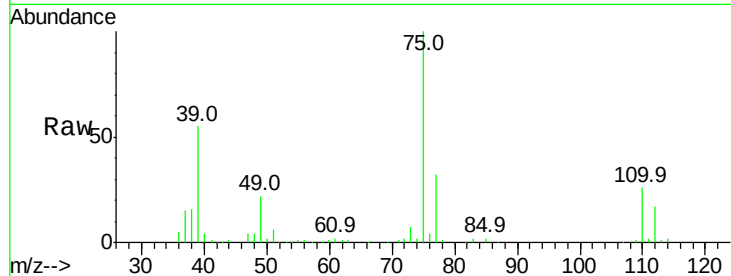


#49

cis-1,3-Dichloropropene
 Concen: 16.849 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.5	36.7
39	54.7	35.6	53.4



#50

1,1,2-Trichloroethane
 Concen: 17.908 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001260.D
 Acq: 30 Apr 2018 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	66.9	100.3
85	55.9	44.4	66.6
99	62.4	50.0	75.0

