

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002259.D
 Acq On : 04 Jun 2018 13:02
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX060418

Quant Time: Jun 05 04:57:26 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	456319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	438962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	279071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	223741	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	5.51	113	175892	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	8.72	98	681256	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	265282	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	183702	53.08	ug/l	98
3) Chloromethane	1.32	50	197905	49.90	ug/l	99
4) Vinyl Chloride	1.41	62	205175	47.04	ug/l	99
5) Bromomethane	1.64	94	132437	53.91	ug/l	98
6) Chloroethane	1.72	64	127017	45.02	ug/l	99
7) Trichlorofluoromethane	1.93	101	329709	49.61	ug/l	100
8) Diethyl Ether	2.19	74	114168	48.26	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	187592	52.31	ug/l	100
10) Methyl Iodide	2.51	142	217541	43.13	ug/l	99
11) Tert butyl alcohol	3.07	59	217869	220.99	ug/l	99
12) 1,1-Dichloroethene	2.37	96	165120	46.59	ug/l	99
13) Acrolein	2.29	56	107272	225.99	ug/l	100
14) Allyl chloride	2.73	41	337248	43.85	ug/l	99
15) Acrylonitrile	3.15	53	466925	229.65	ug/l	100
16) Acetone	2.45	43	496535	241.88	ug/l	99
17) Carbon Disulfide	2.57	76	450330	48.21	ug/l	98
18) Methyl Acetate	2.78	43	223229	46.62	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	594280	48.06	ug/l	98
20) Methylene Chloride	2.86	84	180369	47.79	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	176397	45.13	ug/l	97
22) Diisopropyl ether	3.87	45	628684	48.89	ug/l	96
23) Vinyl Acetate	3.82	43	2761606	221.48	ug/l	100
24) 1,1-Dichloroethane	3.70	63	335367	44.12	ug/l	100
25) 2-Butanone	4.70	43	678032	207.71	ug/l	100
26) 2,2-Dichloropropane	4.59	77	278424	46.85	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	186674	43.92	ug/l	96
28) Bromochloromethane	5.02	49	160842	49.73	ug/l	99
29) Tetrahydrofuran	5.16	42	425010	201.94	ug/l	98
30) Chloroform	5.22	83	323095	44.05	ug/l	98
31) Cyclohexane	5.58	56	304631	50.68	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	297353	47.80	ug/l	99
36) 1,1-Dichloropropene	5.81	75	245105	51.09	ug/l	99
37) Ethyl Acetate	4.86	43	261697	45.36	ug/l	100
38) Carbon Tetrachloride	5.79	117	261956	52.20	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	318687	53.75	ug/l	99
40) Benzene	6.15	78	718384	48.84	ug/l	99
41) Methacrylonitrile	5.06	41	150308	45.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	274281	46.93	ug/l	100
43) Isopropyl Acetate	6.46	43	456574	46.59	ug/l	100
44) Trichloroethene	7.21	130	210286	51.51	ug/l	98
45) 1,2-Dichloropropane	7.52	63	188639	47.50	ug/l	99
46) Dibromomethane	7.66	93	124638	46.30	ug/l	98
47) Bromodichloromethane	7.90	83	241774	49.66	ug/l	100
48) Methyl methacrylate	7.78	41	231957	47.13	ug/l	99
49) 1,4-Dioxane	7.76	88	85336	927.24	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1406466	230.48	ug/l	100
52) Toluene	8.79	92	470734	50.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	298084	51.06	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	284696	51.68	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	183807	47.77	ug/l	99
56) Ethyl methacrylate	9.18	69	291637	47.47	ug/l	99
57) 1,3-Dichloropropane	9.38	76	304529	47.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	688707	242.23	ug/l	100
59) 2-Hexanone	9.50	43	1105212	234.48	ug/l	99
60) Dibromochloromethane	9.59	129	201340	52.02	ug/l	99
61) 1,2-Dibromoethane	9.68	107	194514	48.48	ug/l	100
64) Tetrachloroethene	9.34	164	233484	51.57	ug/l	100
65) Chlorobenzene	10.14	112	538062	49.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	197223	49.87	ug/l	100
67) Ethyl Benzene	10.26	91	937834	51.31	ug/l	99
68) m/p-Xylenes	10.37	106	729880	102.72	ug/l	99
69) o-Xylene	10.70	106	352828	49.90	ug/l	100
70) Styrene	10.72	104	588767	50.93	ug/l	100
71) Bromoform	10.86	173	159105	45.27	ug/l #	99
73) Isopropylbenzene	11.02	105	973161	50.13	ug/l	100
74) N-amyl acetate	6.46	43	456574	43.65	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	268588	43.99	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	333807	54.51	ug/l	80
77) Bromobenzene	11.26	156	257378	47.22	ug/l	100
78) n-propylbenzene	11.37	91	1128325	52.29	ug/l	99
79) 2-Chlorotoluene	11.43	91	654767	48.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	832005	49.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	85315	48.84	ug/l	99
82) 4-Chlorotoluene	11.52	91	785539	49.95	ug/l	100
83) tert-Butylbenzene	11.77	119	808260	49.85	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	857631	50.03	ug/l	100
85) sec-Butylbenzene	11.95	105	1018669	53.59	ug/l	99
86) p-Isopropyltoluene	12.07	119	928154	53.60	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	484131	49.68	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	493966	49.18	ug/l	99
89) n-Butylbenzene	12.39	91	827863	57.01	ug/l	99
90) Hexachloroethane	12.60	117	145070	52.49	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	478067	47.41	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	64484	48.29	ug/l	97

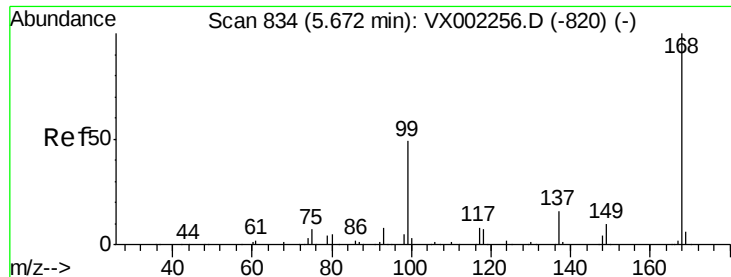
Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	373528	52.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	206863	59.21	ug/l	98
95) Naphthalene	13.84	128	989200	48.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	369135	51.20	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

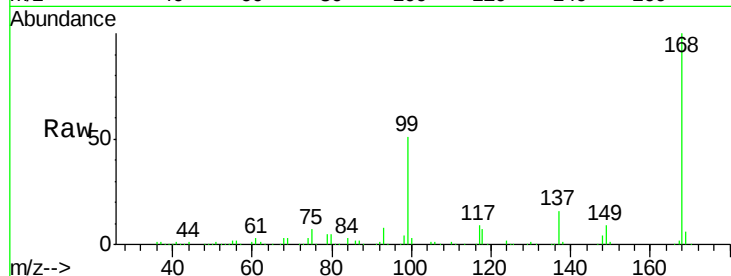
ICVVX060418

Tot Ion:168 Resp: 332925

Ion Ratio Lower Upper

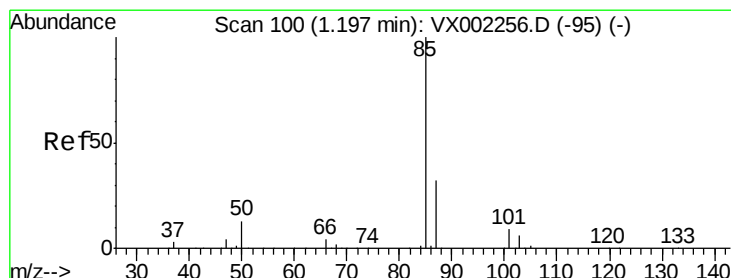
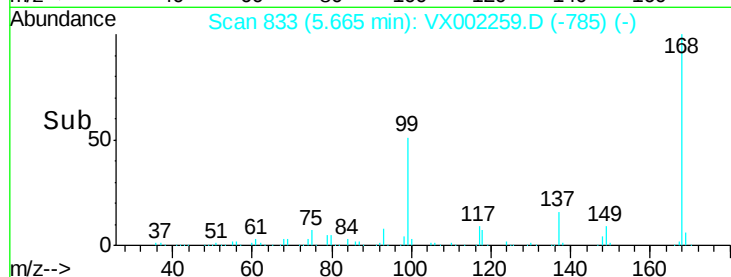
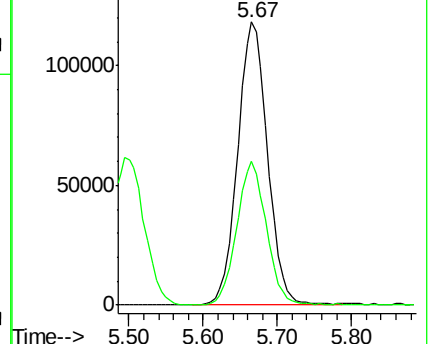
168 100

99 50.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 53.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002259.D

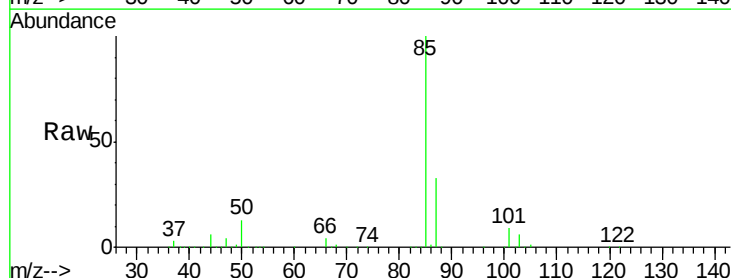
Acq: 04 Jun 2018 13:02

Tgt Ion: 85 Resp: 183702

Ion Ratio Lower Upper

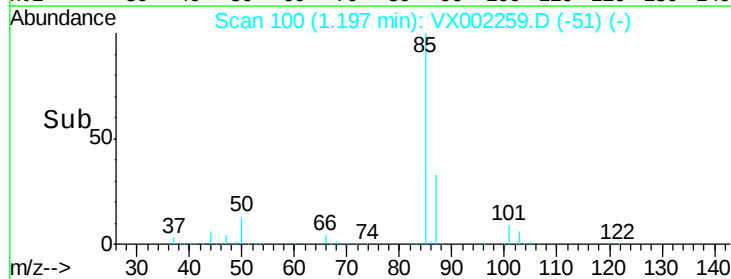
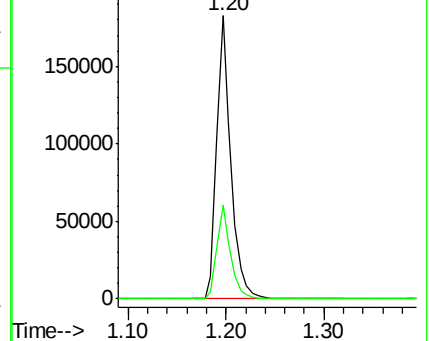
85 100

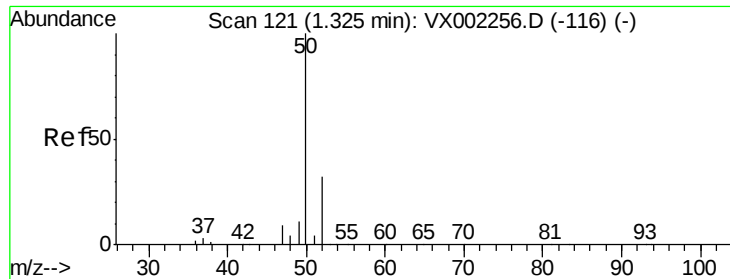
87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.90 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

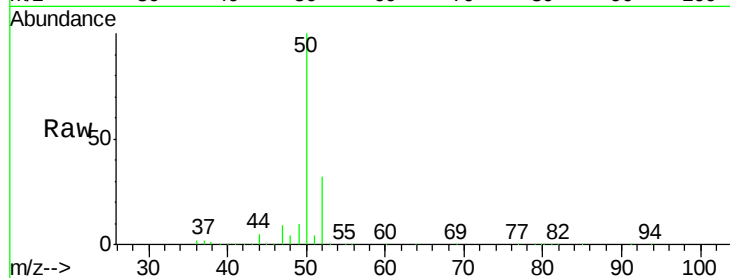
ICVVX060418

Tot Ion: 50 Resp: 197905

Ion Ratio Lower Upper

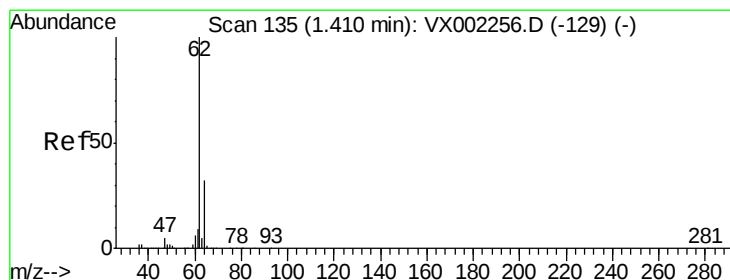
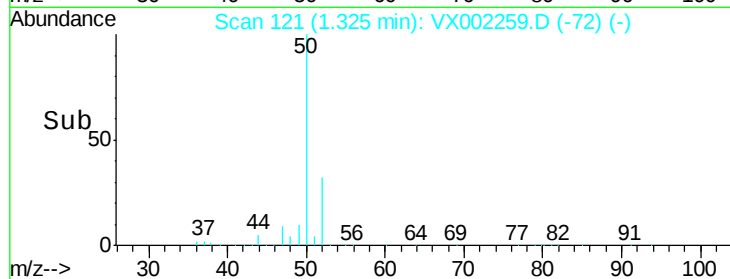
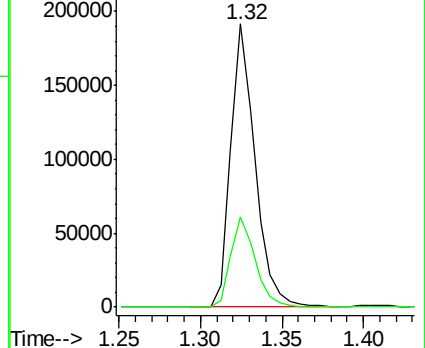
50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.04 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002259.D

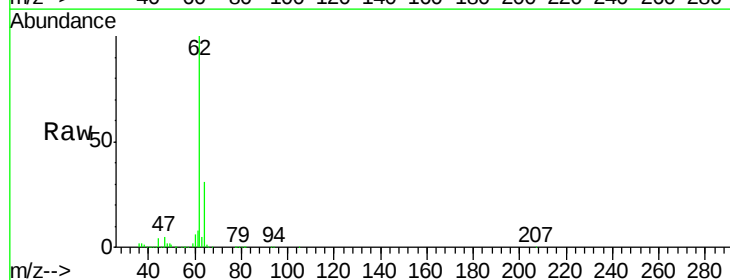
Acq: 04 Jun 2018 13:02

Tgt Ion: 62 Resp: 205175

Ion Ratio Lower Upper

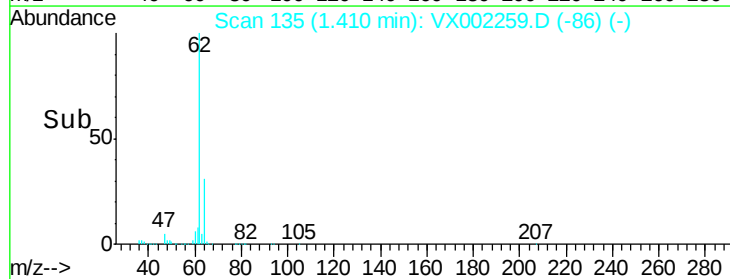
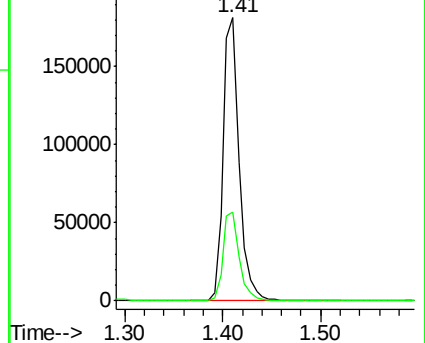
62 100

64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.91 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampled :

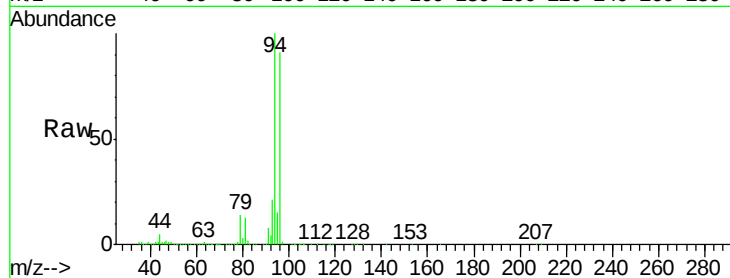
ICVVX060418

Tot Ion: 94 Resp: 132437

Ion Ratio Lower Upper

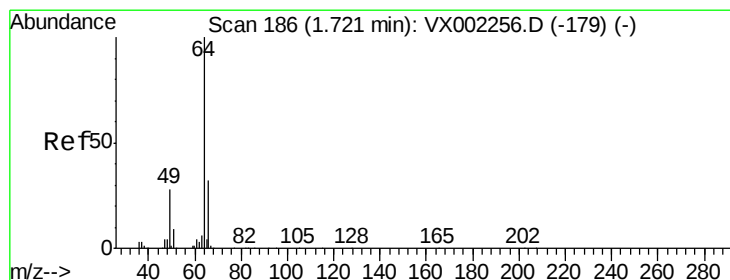
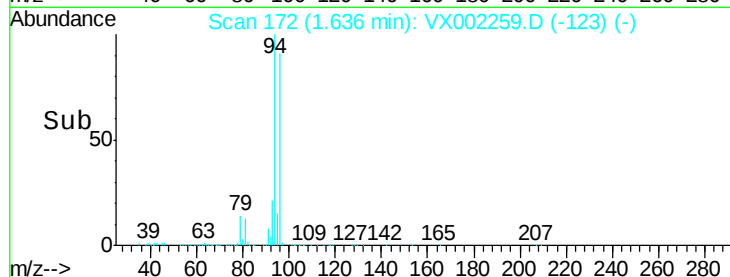
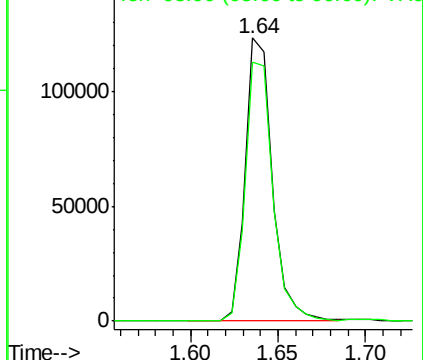
94 100

96 91.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.02 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002259.D

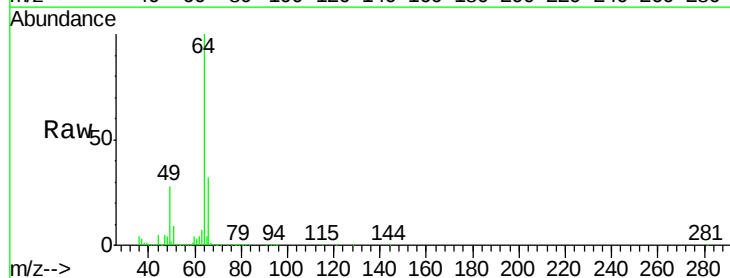
Acq: 04 Jun 2018 13:02

Tgt Ion: 64 Resp: 127017

Ion Ratio Lower Upper

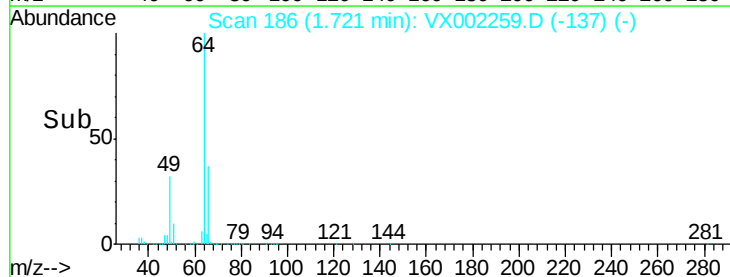
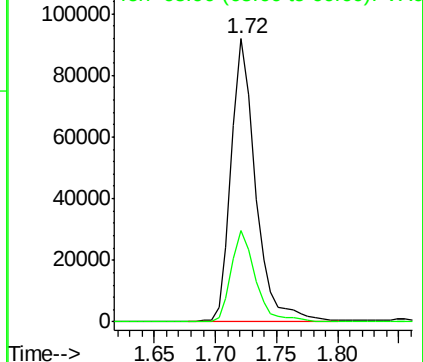
64 100

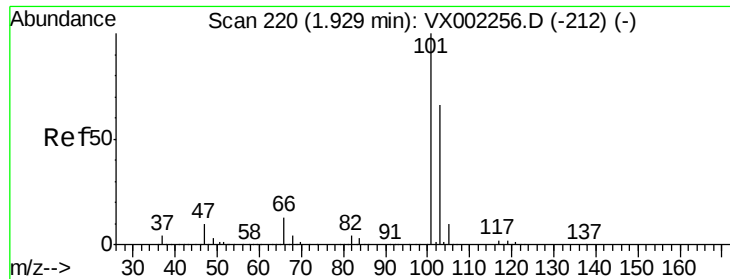
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 49.61 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

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ClientSampleId :

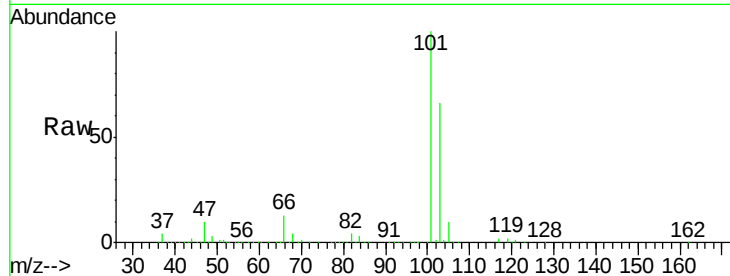
ICVVX060418

Tot Ion:101 Resp: 329709

Ion Ratio Lower Upper

101 100

103 65.7 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

200000

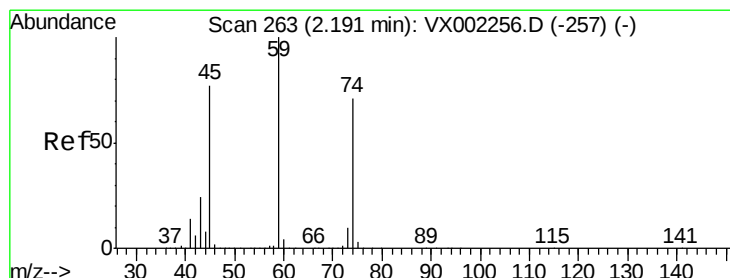
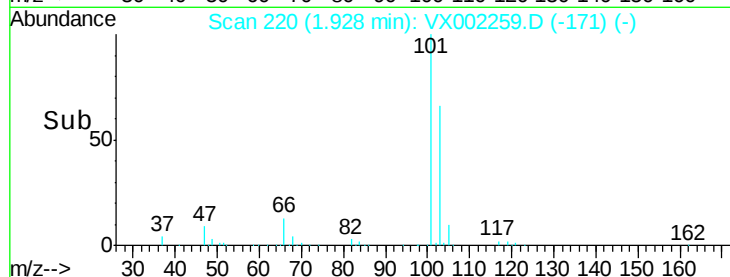
150000

100000

50000

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Time-->



#8

Diethyl Ether

Concen: 48.26 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002259.D

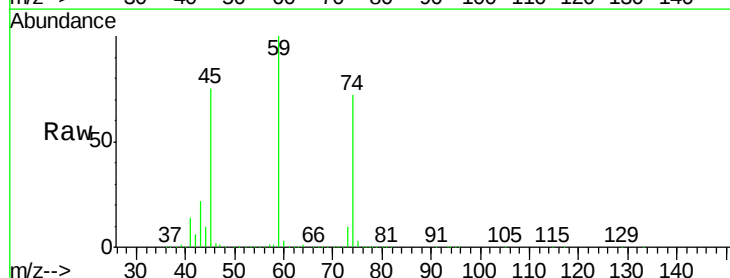
Acq: 04 Jun 2018 13:02

Tgt Ion: 74 Resp: 114168

Ion Ratio Lower Upper

74 100

45 104.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

80000

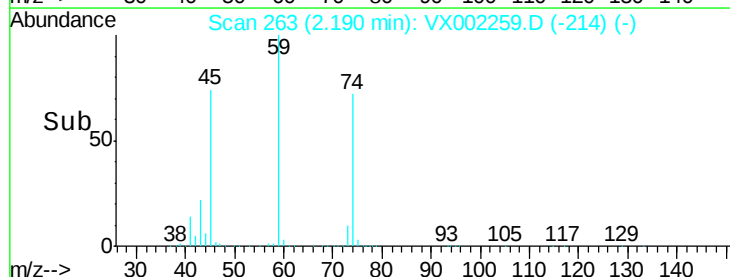
60000

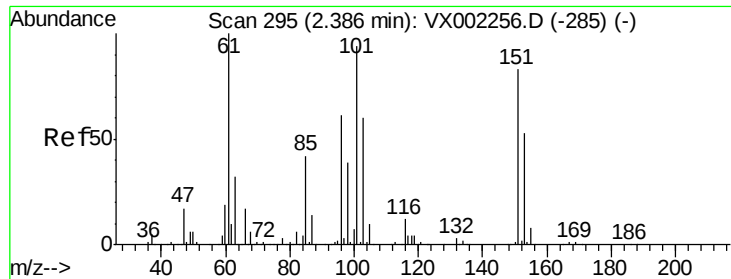
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.31 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

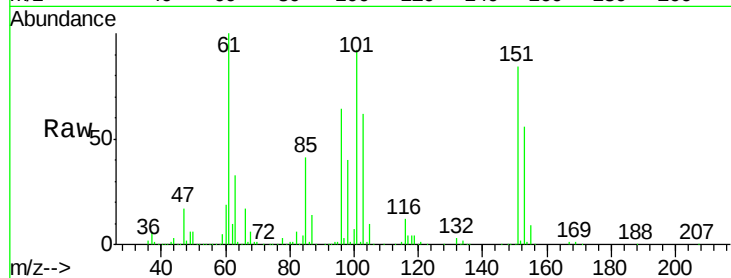
Tot Ion:101 Resp: 187592

Ion Ratio Lower Upper

101 100

85 44.7 36.0 54.0

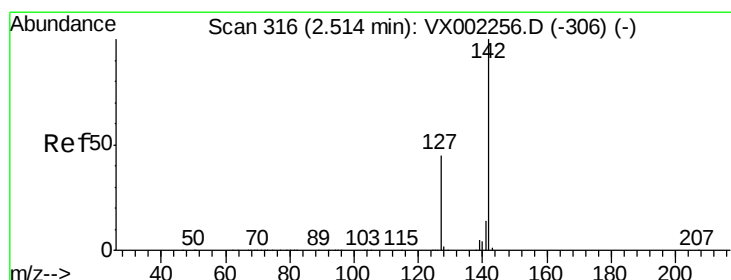
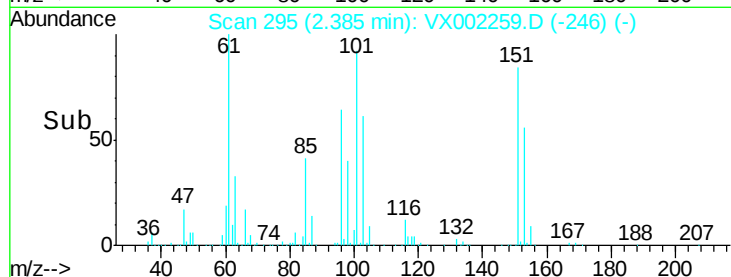
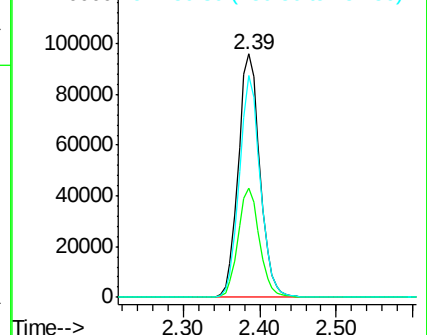
151 88.4 70.9 106.3



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: 43.13 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

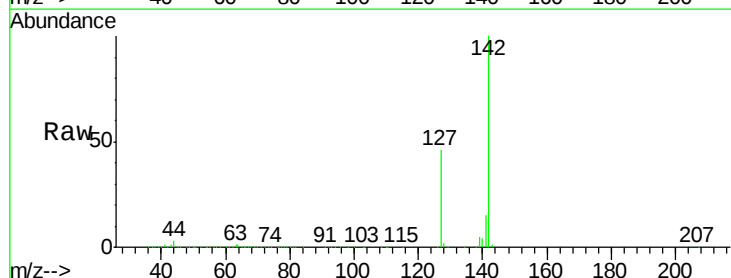
Tgt Ion:142 Resp: 217541

Ion Ratio Lower Upper

142 100

127 46.3 36.6 55.0

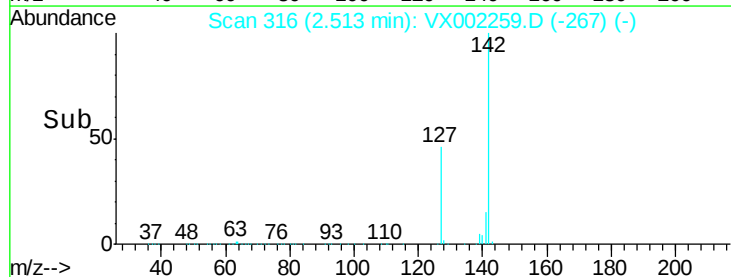
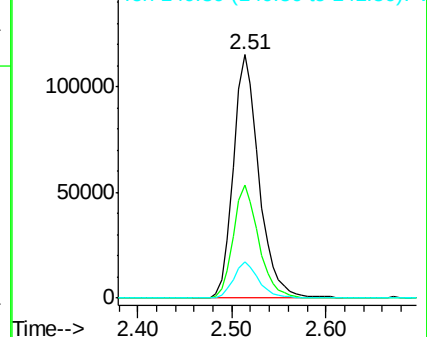
141 14.6 11.3 16.9

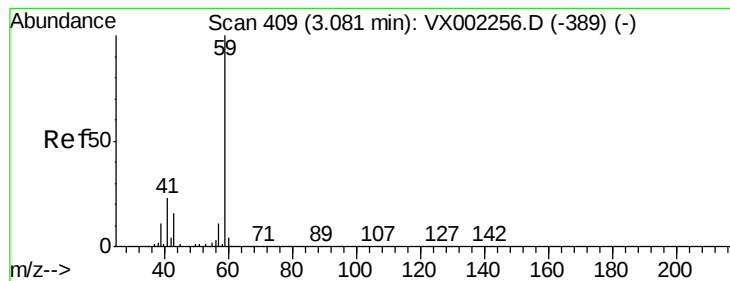


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



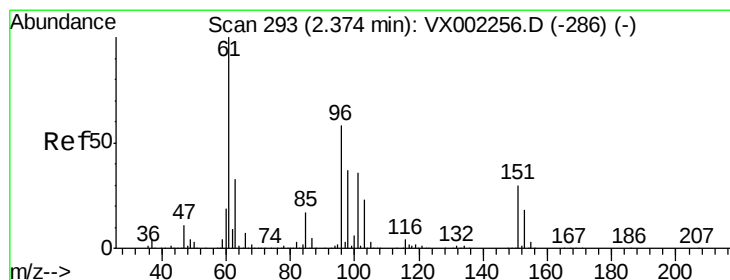
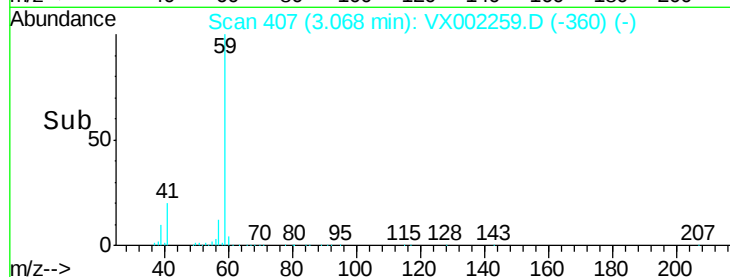
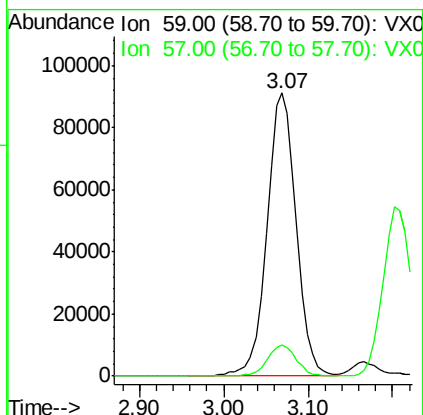
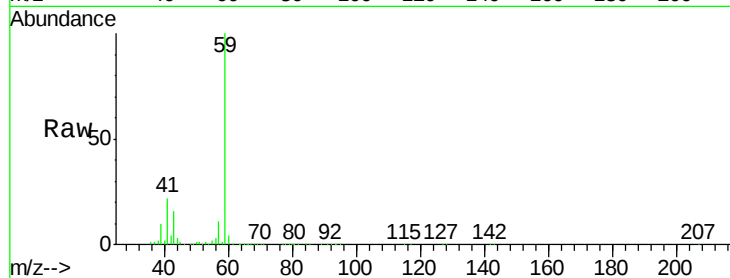


#11

Tert butyl alcohol
Concen: 220.99 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

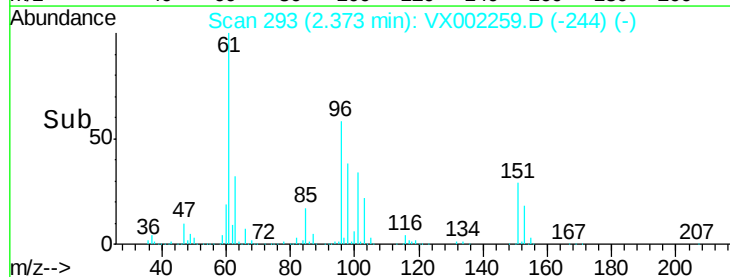
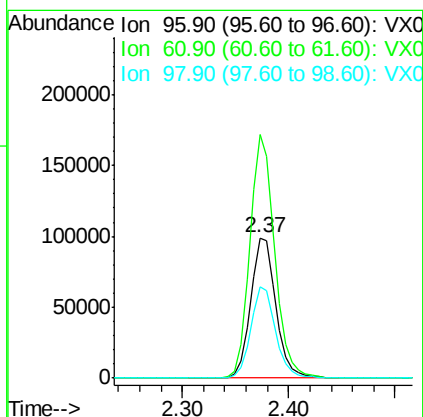
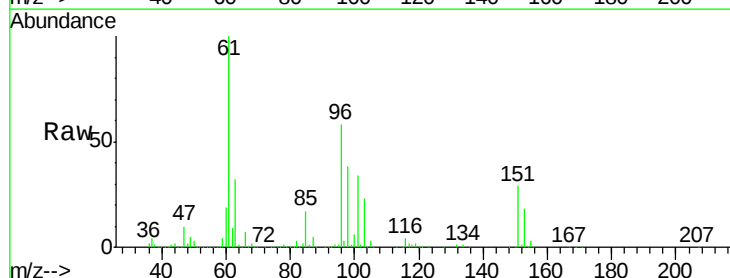
Tot Ion: 59 Resp: 217869
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.2

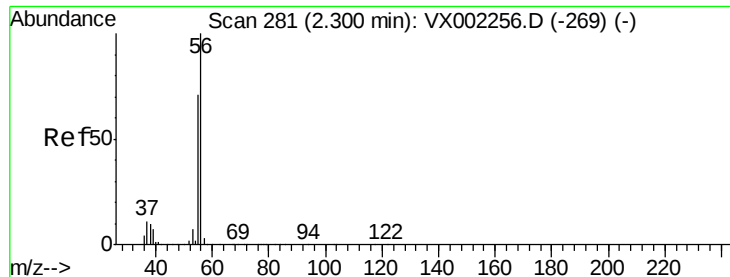


#12

1,1-Dichloroethene
Concen: 46.59 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 96 Resp: 165120
Ion Ratio Lower Upper
96 100
61 173.3 137.9 206.9
98 65.2 51.6 77.4





#13

Acrolein

Concen: 225.99 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

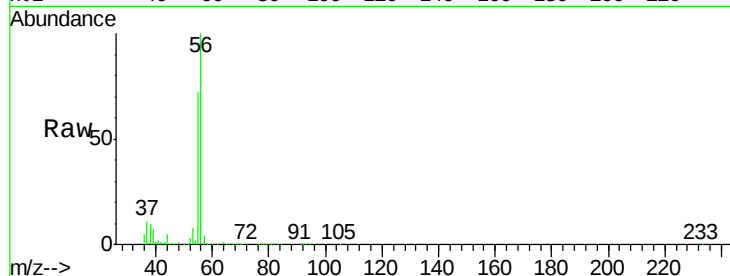
ICVVX060418

Tot Ion: 56 Resp: 107272

Ion Ratio Lower Upper

56 100

55 71.6 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

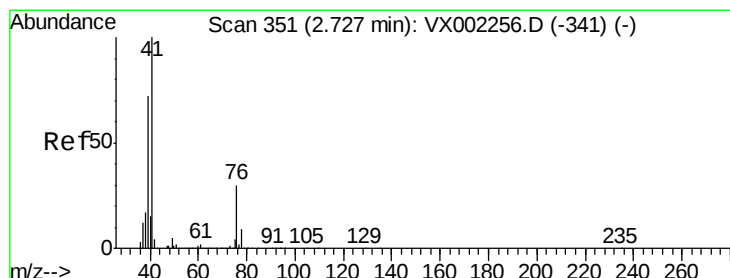
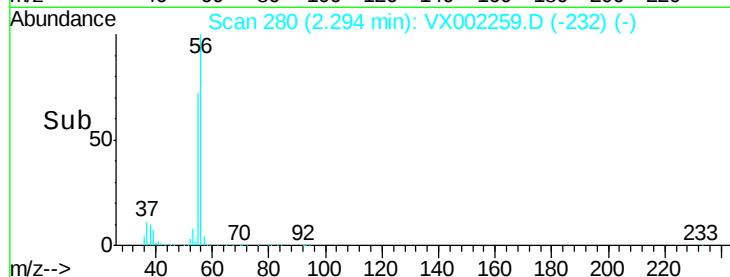
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 43.85 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

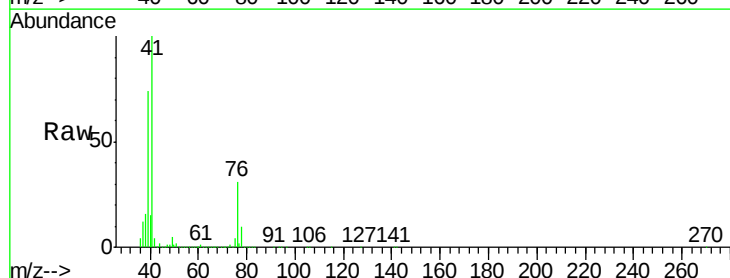
Tgt Ion: 41 Resp: 337248

Ion Ratio Lower Upper

41 100

39 70.3 56.8 85.2

76 29.9 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

200000

150000

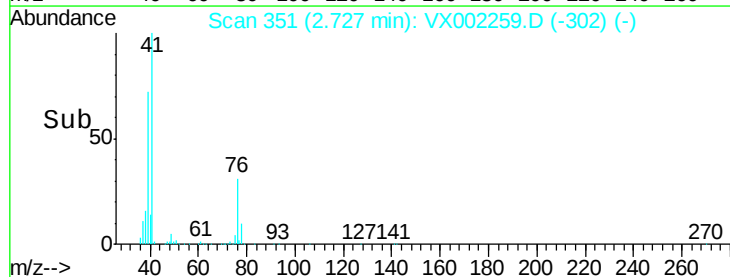
100000

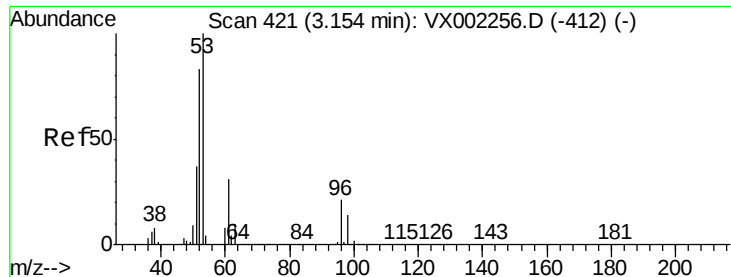
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 229.65 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

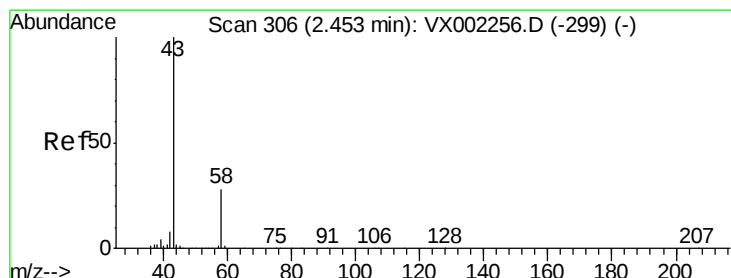
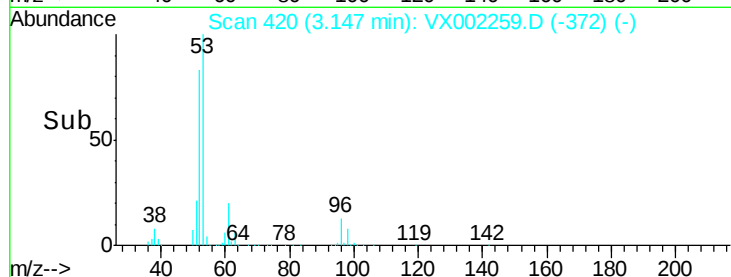
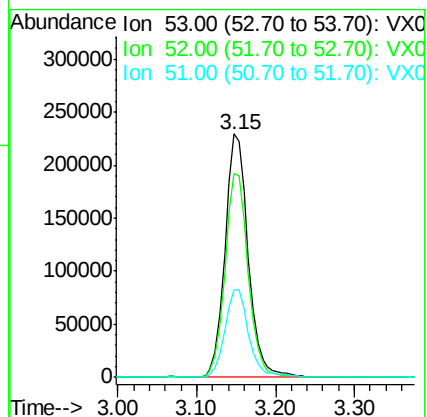
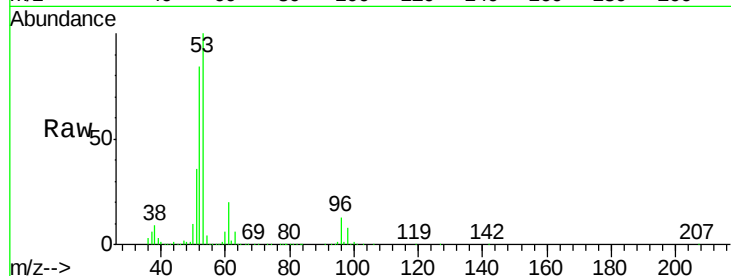
Tot Ion: 53 Resp: 466925

Ion Ratio Lower Upper

53 100

52 83.9 66.7 100.1

51 37.2 29.9 44.9



#16

Acetone

Concen: 241.88 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002259.D

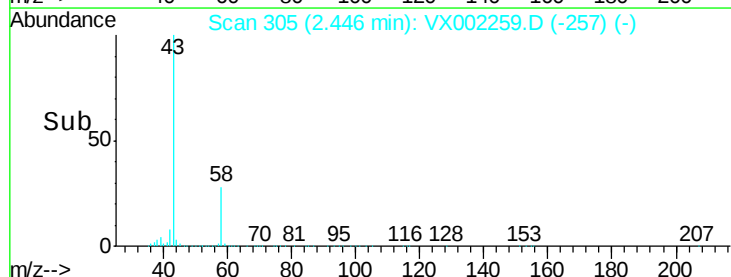
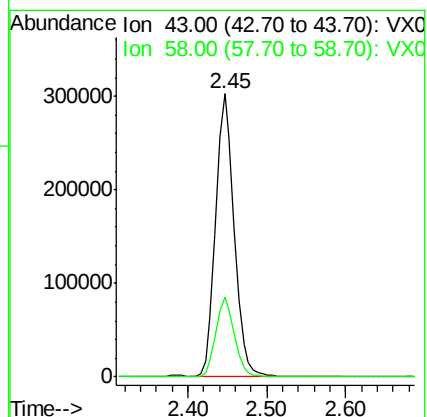
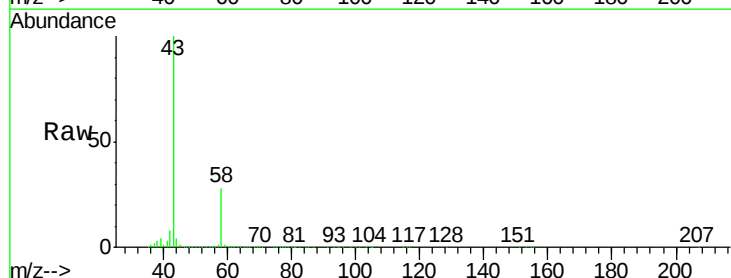
Acq: 04 Jun 2018 13:02

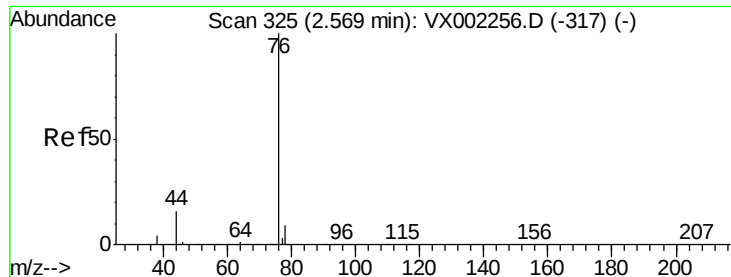
Tgt Ion: 43 Resp: 496535

Ion Ratio Lower Upper

43 100

58 28.3 22.1 33.1





#17

Carbon Disulfide

Concen: 48.21 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

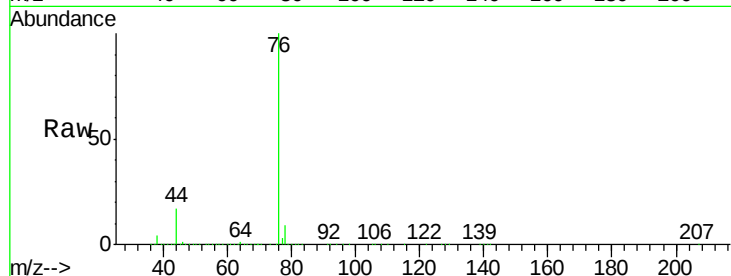
ICVVX060418

Tot Ion: 76 Resp: 450330

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

250000

200000

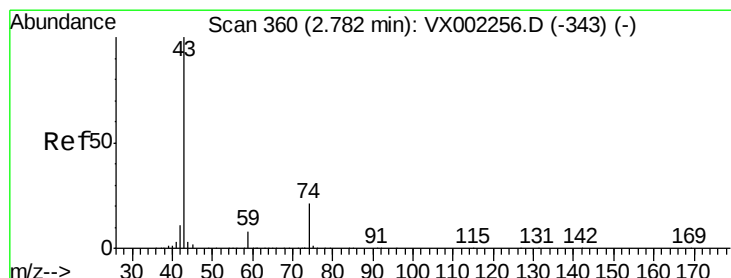
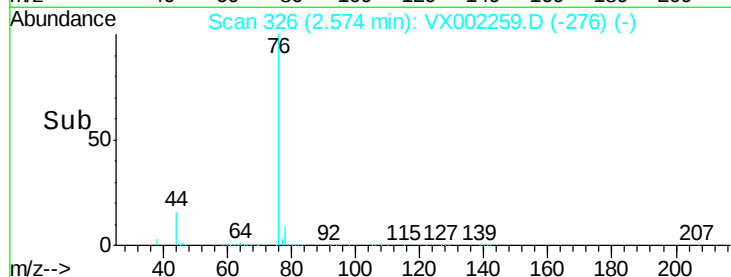
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.62 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002259.D

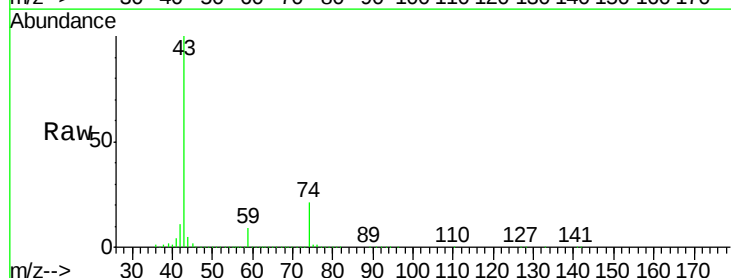
Acq: 04 Jun 2018 13:02

Tgt Ion: 43 Resp: 223229

Ion Ratio Lower Upper

43 100

74 21.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

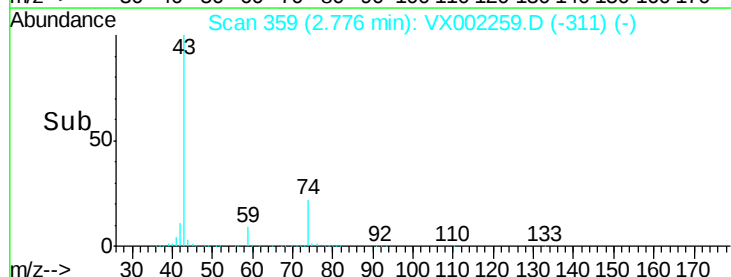
2.78

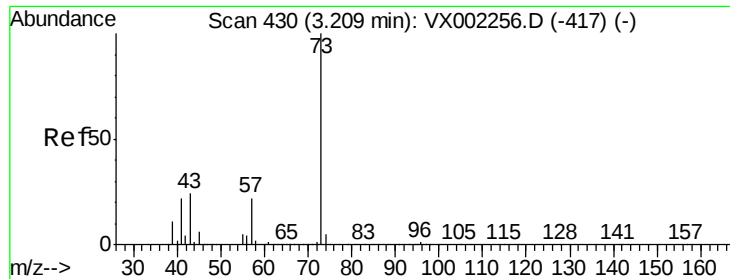
100000

50000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 48.06 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampled :

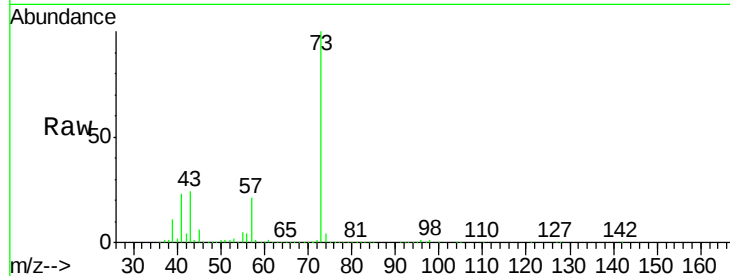
ICVX060418

Tot Ion: 73 Resp: 594280

Ion Ratio Lower Upper

73 100

57 21.4 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250000

200000

150000

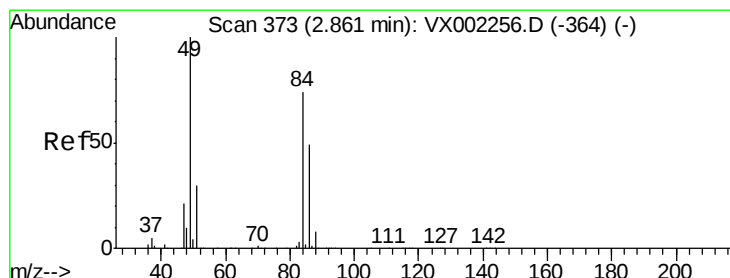
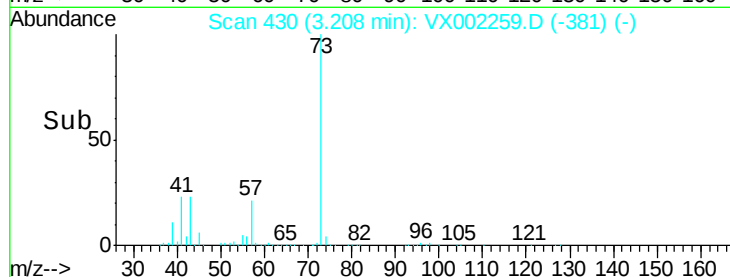
100000

50000

0

3.10 3.20 3.30 3.40

Time-->



#20

Methylene Chloride

Concen: 47.79 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Tgt Ion: 84 Resp: 180369

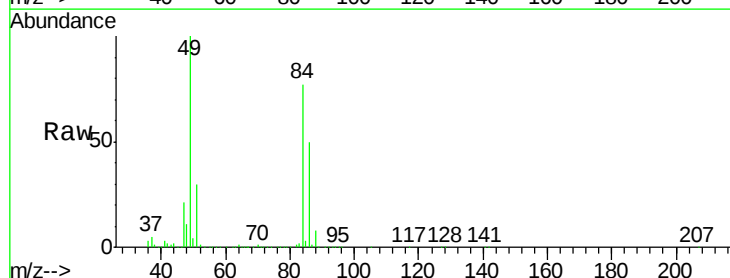
Ion Ratio Lower Upper

84 100

49 130.4 107.8 161.6

51 39.6 32.8 49.2

86 64.5 52.5 78.7



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

150000

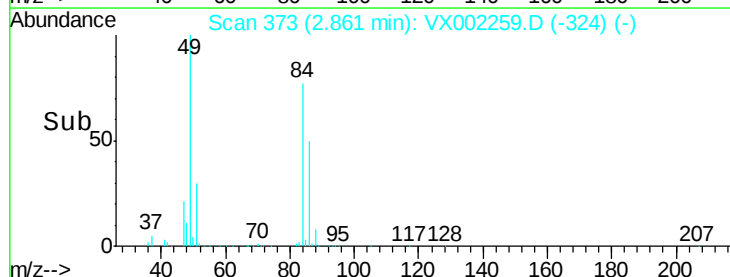
100000

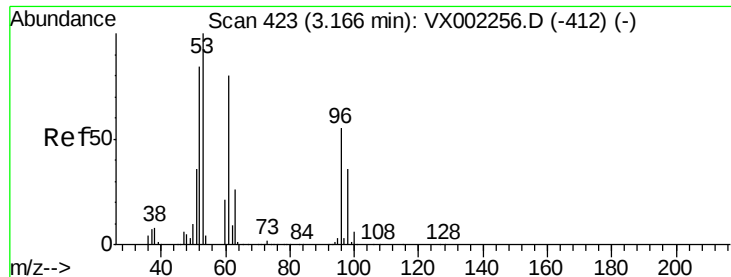
50000

0

2.80 2.90

Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.13 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

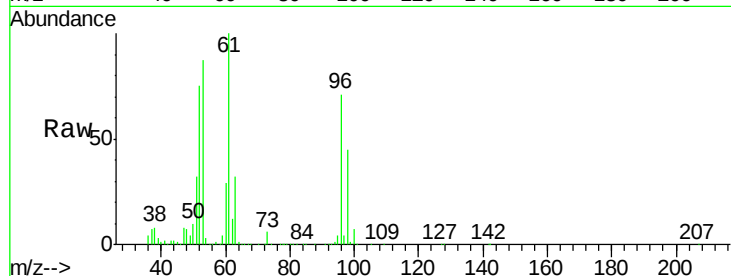
Tot Ion: 96 Resp: 176397

Ion Ratio Lower Upper

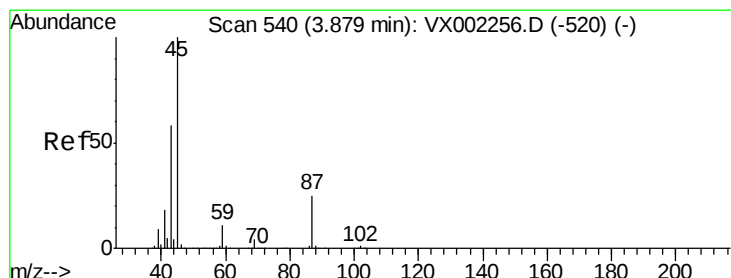
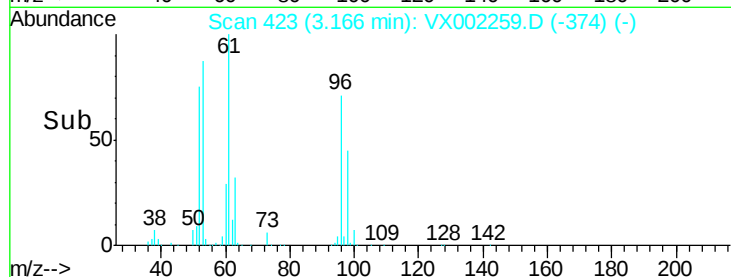
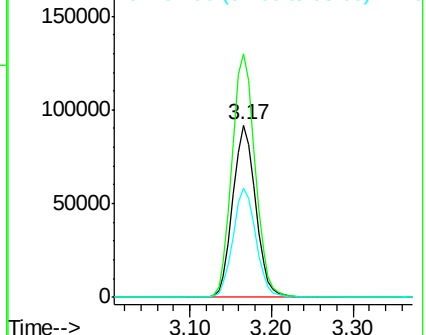
96 100

61 141.5 117.0 175.4

98 63.9 52.4 78.6



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: 48.89 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Tgt Ion: 45 Resp: 628684

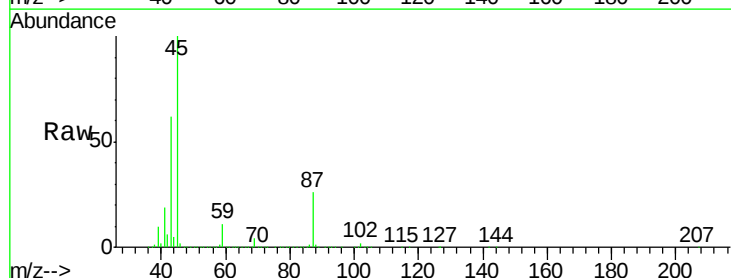
Ion Ratio Lower Upper

45 100

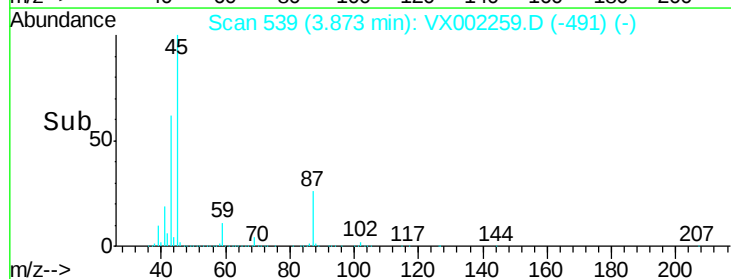
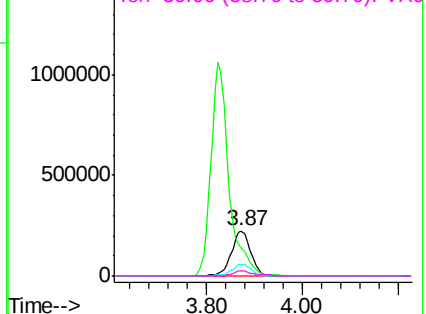
43 62.4 46.8 70.2

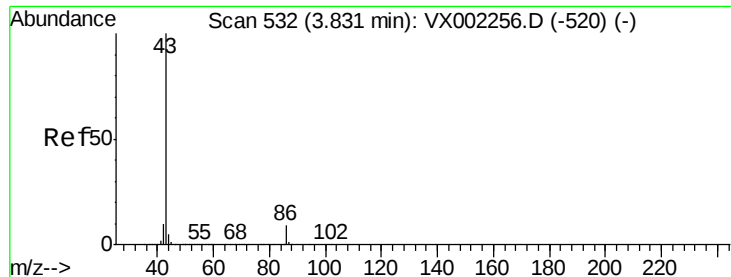
87 26.5 20.2 30.4

59 11.2 8.7 13.1



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: 221.48 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

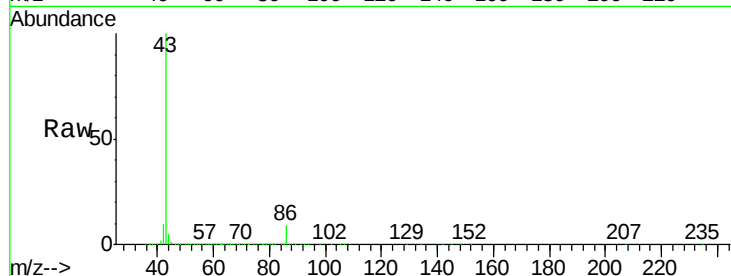
ICVX060418

Tot Ion: 43 Resp: 2761606

Ion Ratio Lower Upper

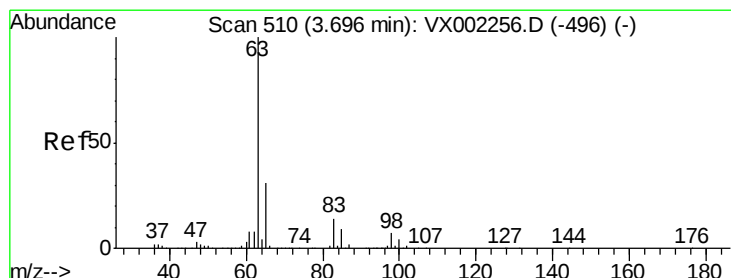
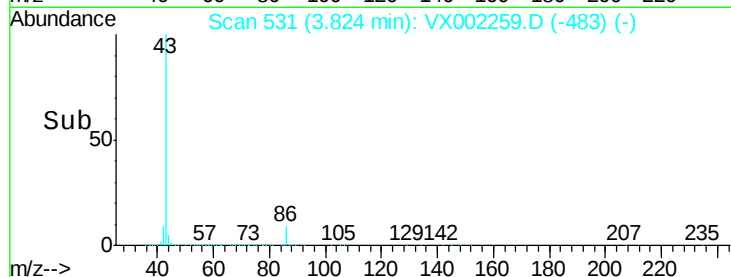
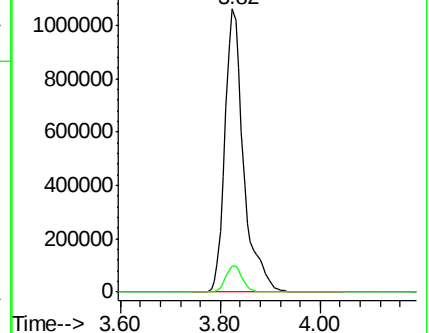
43 100

86 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 44.12 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

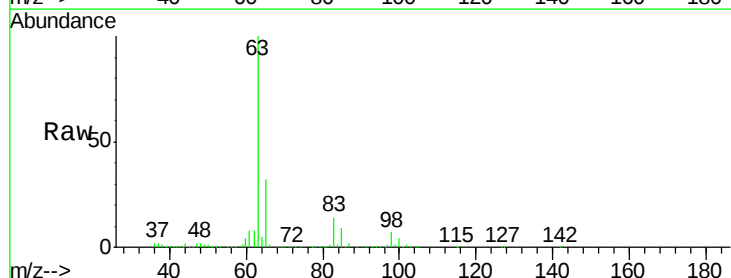
Tgt Ion: 63 Resp: 335367

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

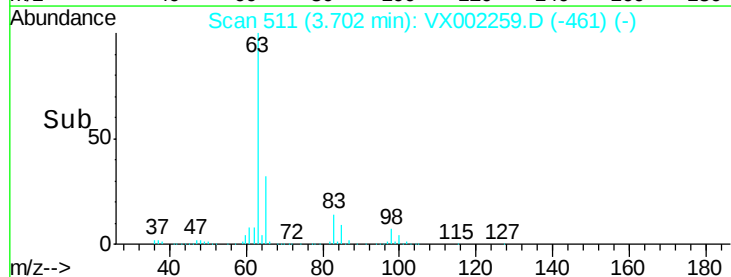
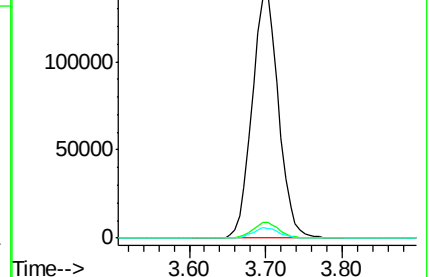
100 4.0 2.0 6.0

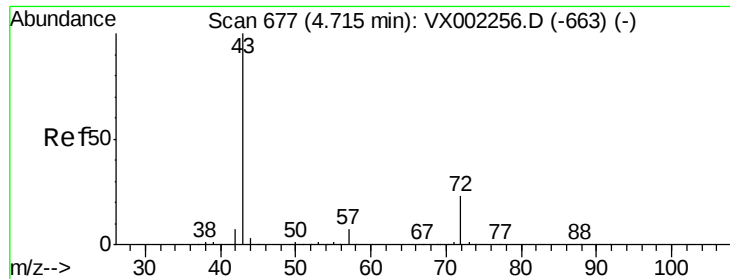


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 207.71 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

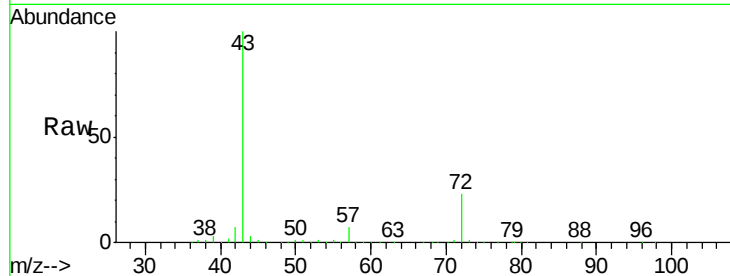
ICVVX060418

Tot Ion: 43 Resp: 678032

Ion Ratio Lower Upper

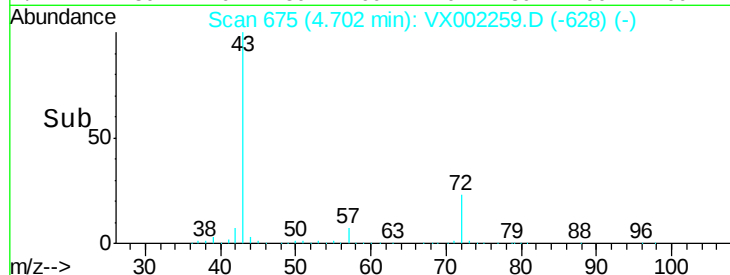
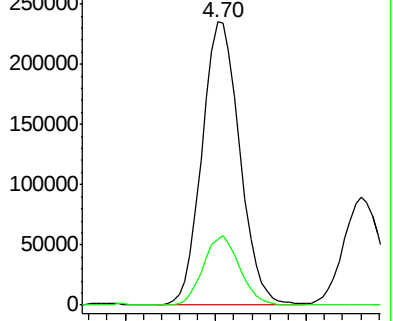
43 100

72 23.0 18.5 27.7

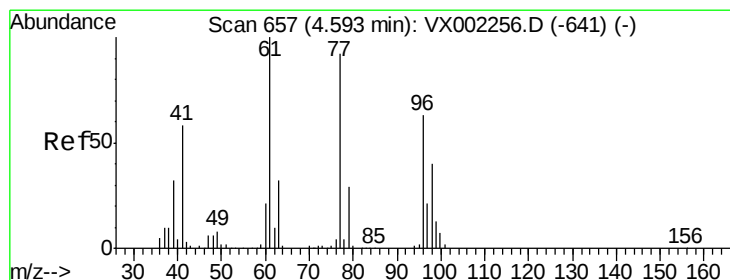


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 46.85 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002259.D

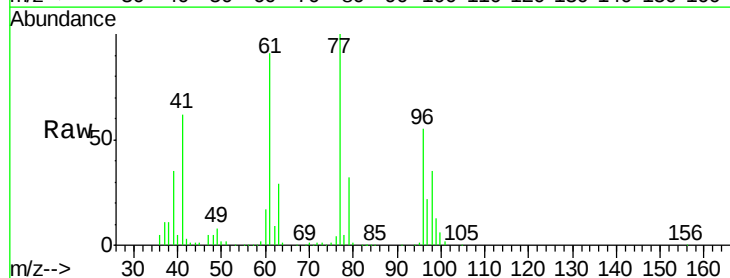
Acq: 04 Jun 2018 13:02

Tgt Ion: 77 Resp: 278424

Ion Ratio Lower Upper

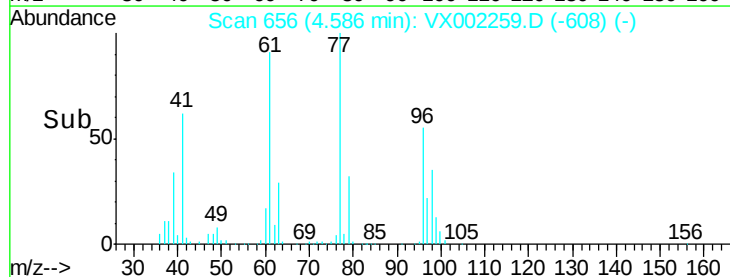
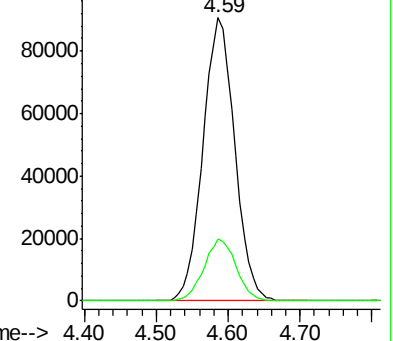
77 100

97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 43.92 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

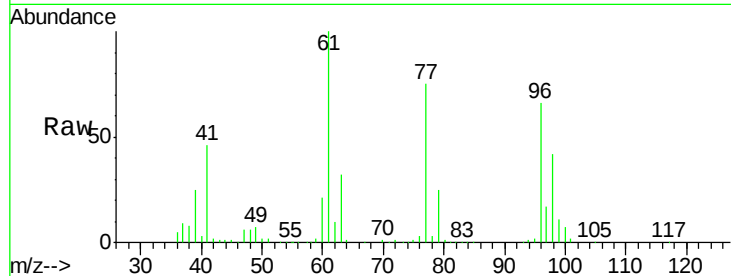
Tot Ion: 96 Resp: 186674

Ion Ratio Lower Upper

96 100

61 157.9 0.0 330.2

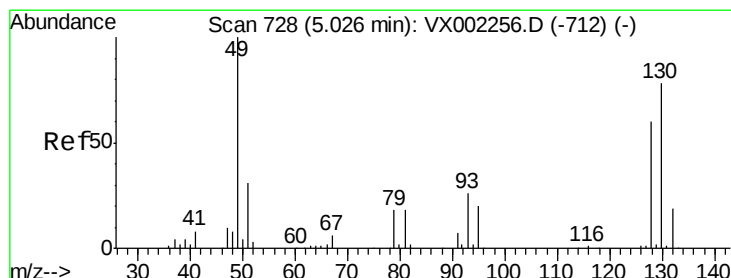
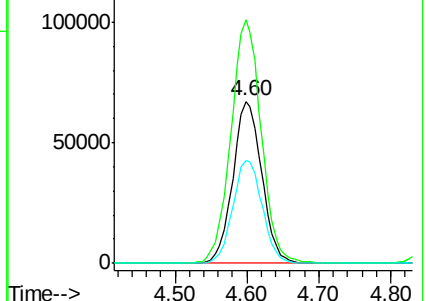
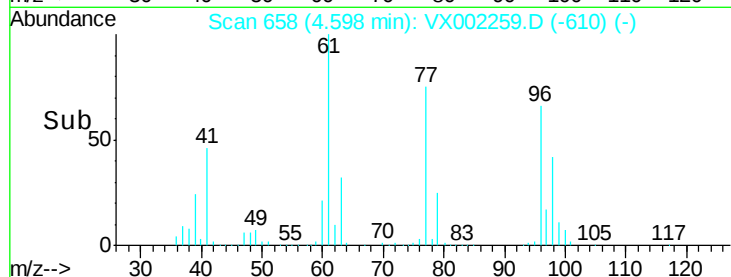
98 65.2 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 49.73 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

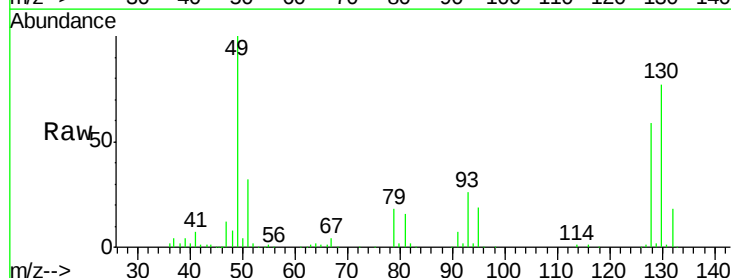
Tgt Ion: 49 Resp: 160842

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

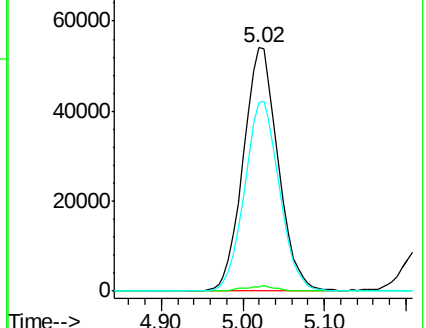
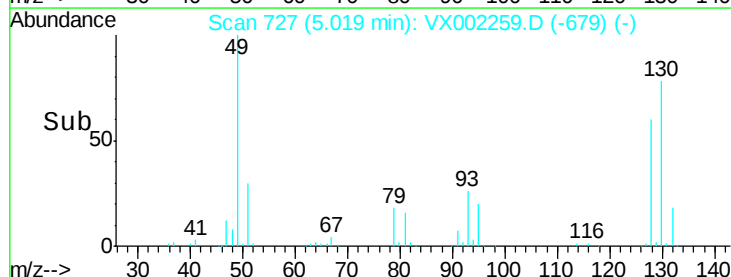
130 77.8 61.2 91.8

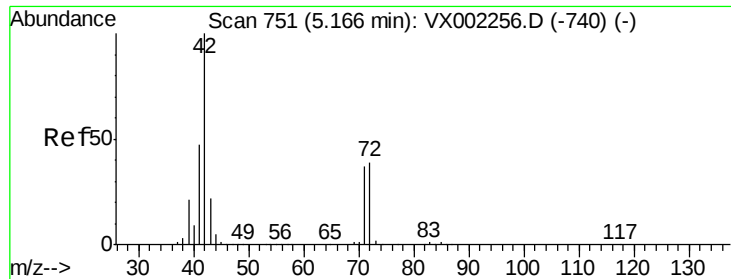


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

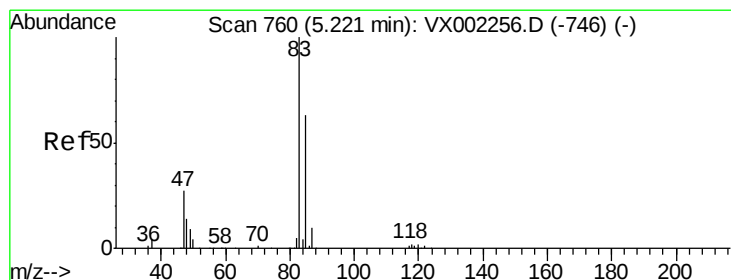
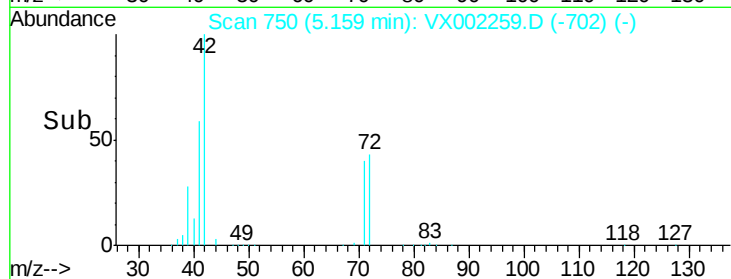
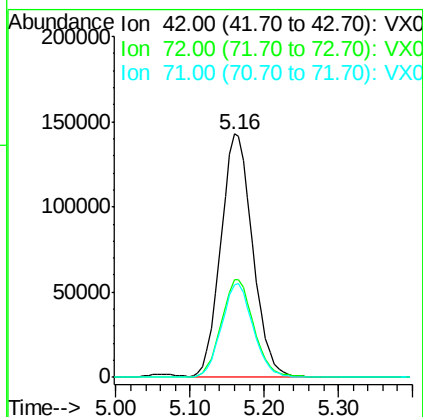
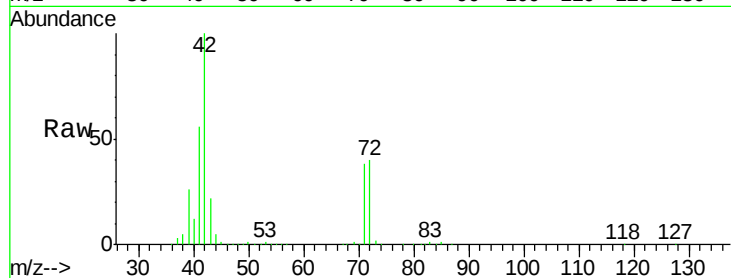




#29
Tetrahydrofuran
Concen: 201.94 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

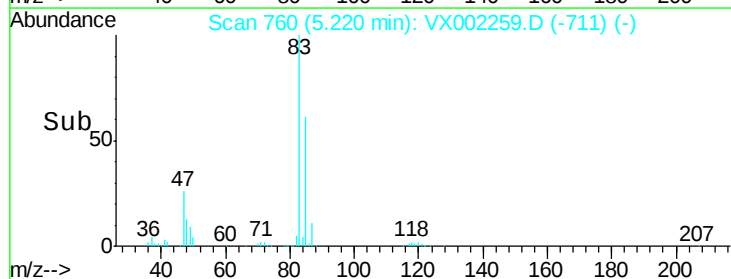
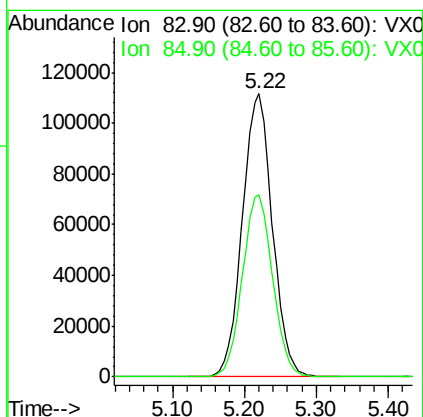
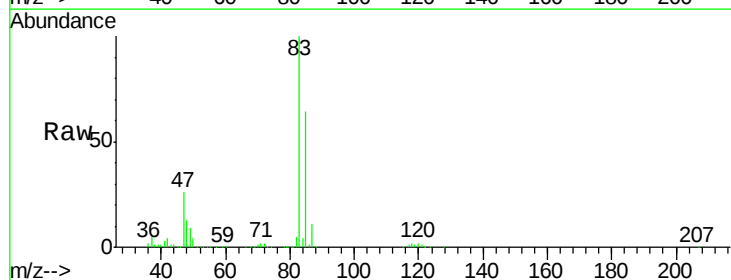
Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

Tot Ion: 42 Resp: 425010
Ion Ratio Lower Upper
42 100
72 41.1 32.0 48.0
71 38.3 30.1 45.1



#30
Chloroform
Concen: 44.05 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 83 Resp: 323095
Ion Ratio Lower Upper
83 100
85 64.4 50.4 75.6





#31

Cyclohexane

Concen: 50.68 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

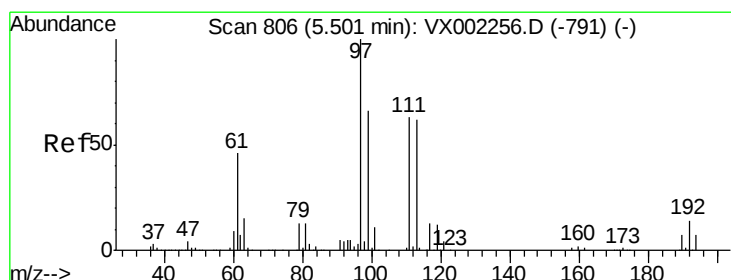
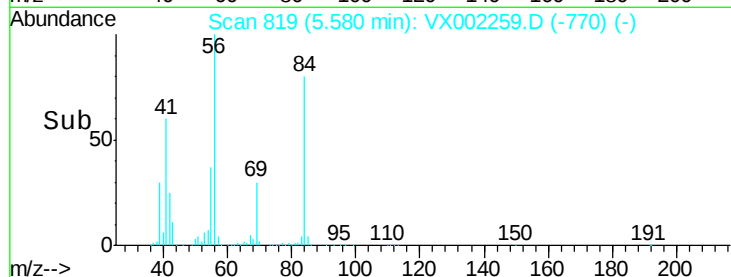
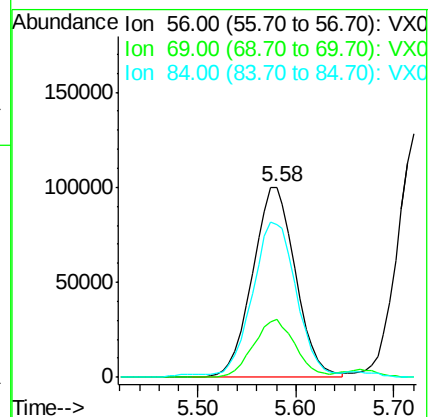
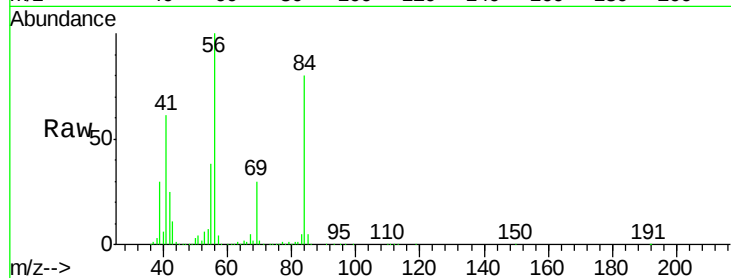
Tot Ion: 56 Resp: 304631

Ion Ratio Lower Upper

56 100

69 30.1 23.7 35.5

84 78.3 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 47.80 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

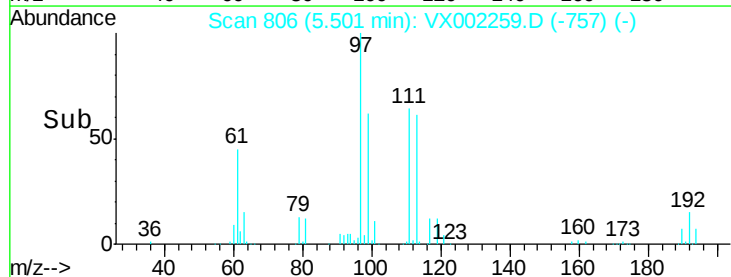
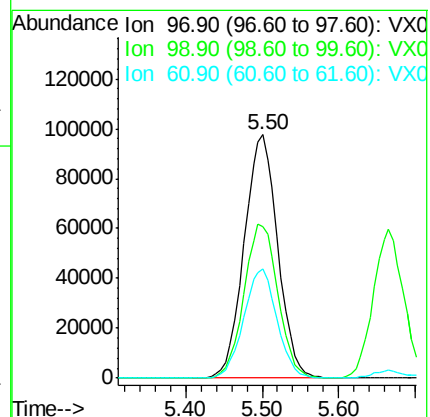
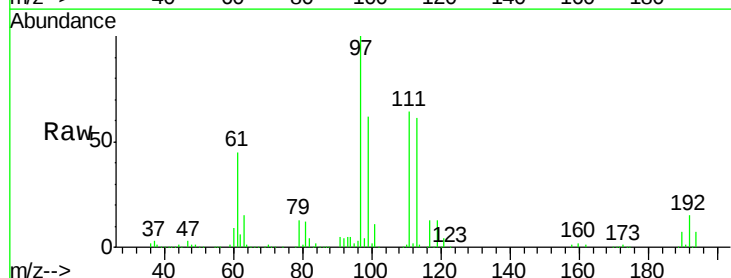
Tgt Ion: 97 Resp: 297353

Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 44.4 36.4 54.6

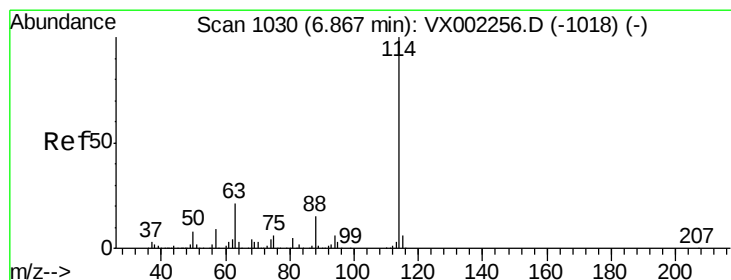
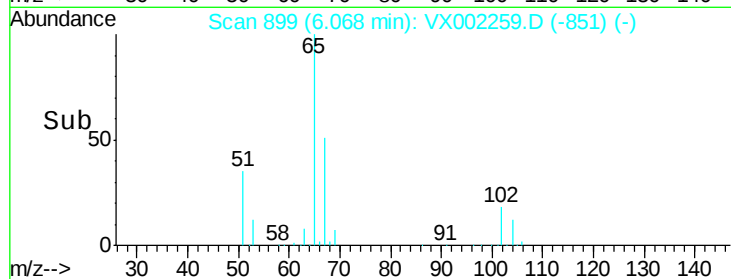
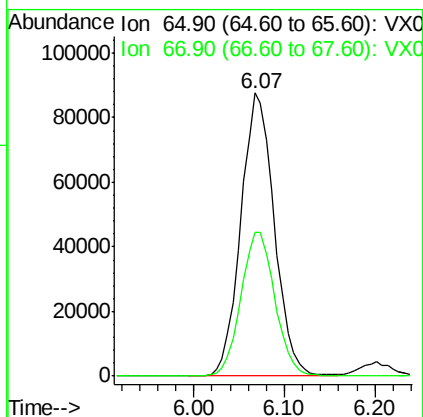
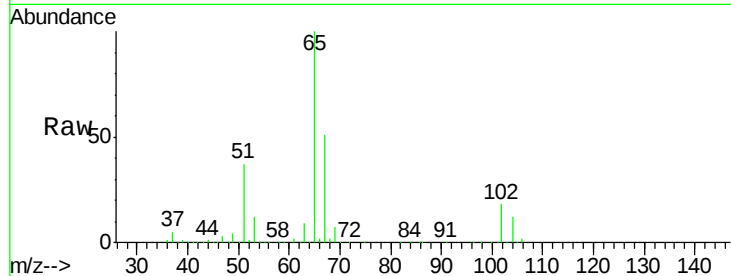




#33
 1,2-Dichloroethane-d4
 Concen: 46.77 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

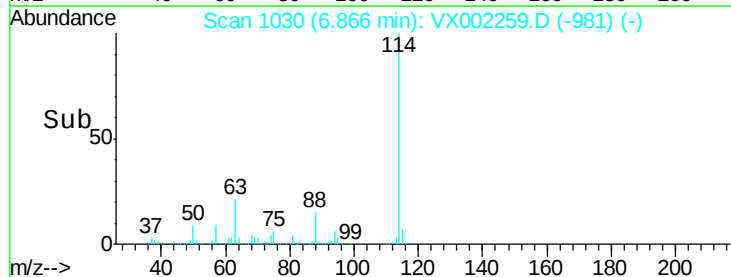
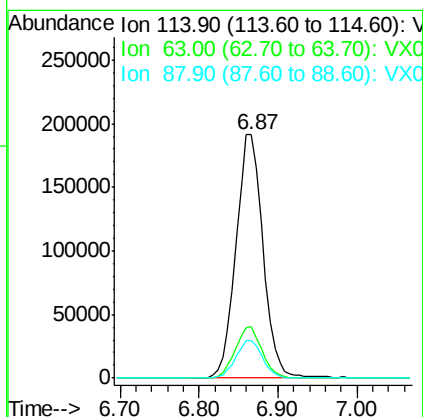
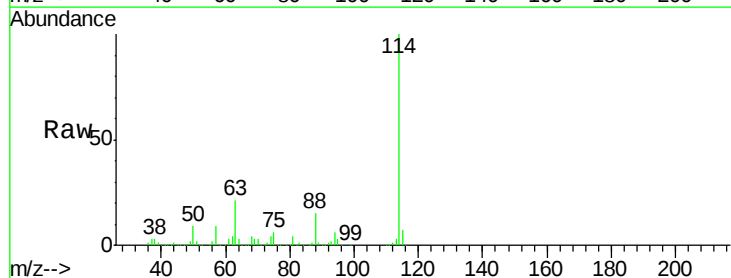
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX060418

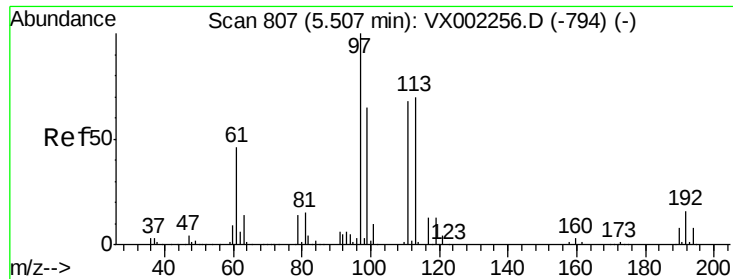
Tot Ion: 65 Resp: 223741
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

Tgt Ion: 114 Resp: 456319
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.4
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.02 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

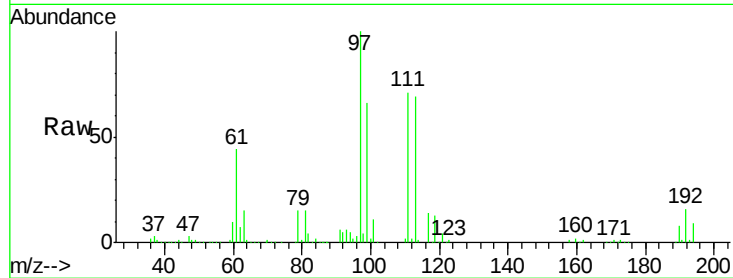
Tot Ion:113 Resp: 175892

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

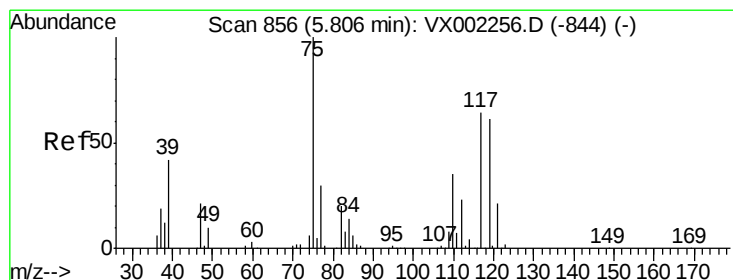
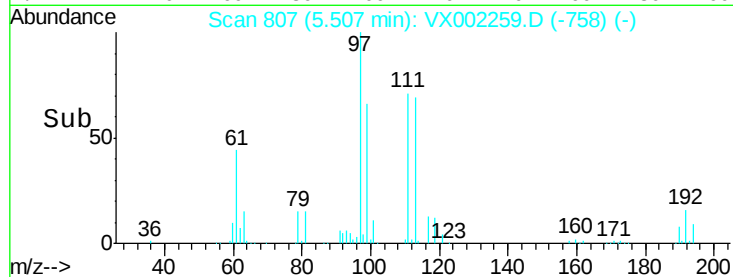
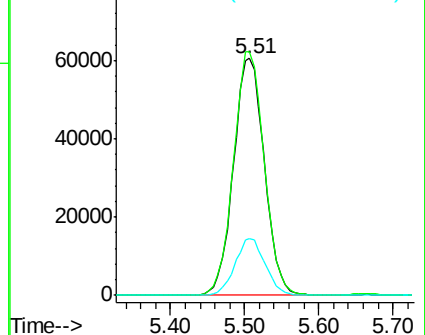
192 23.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.09 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

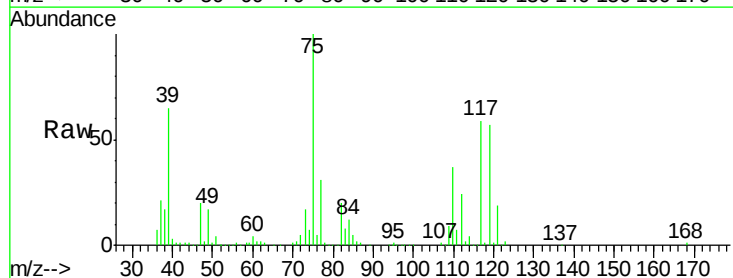
Tgt Ion: 75 Resp: 245105

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.4

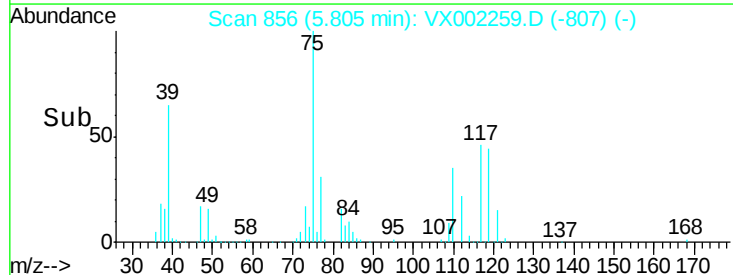
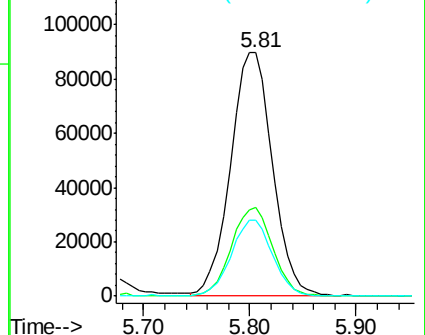
77 31.0 24.3 36.5

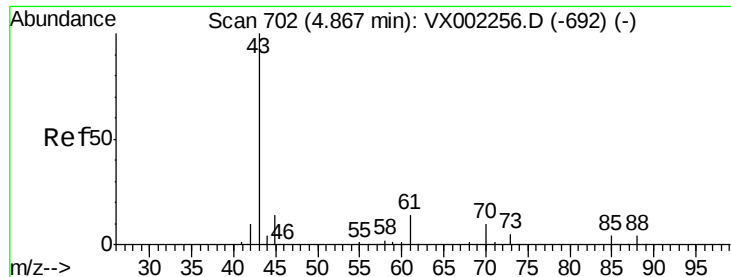


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

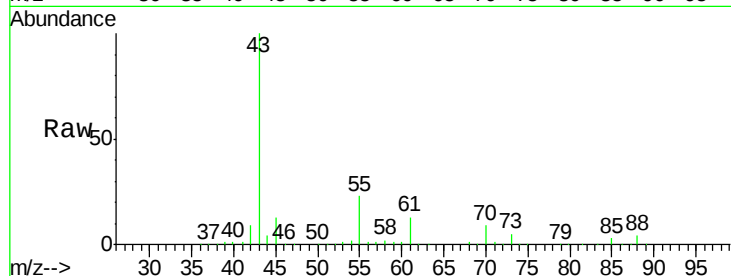




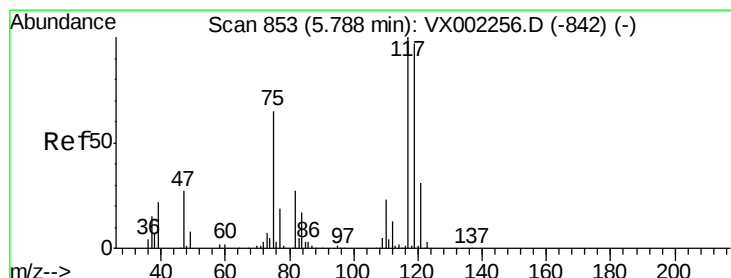
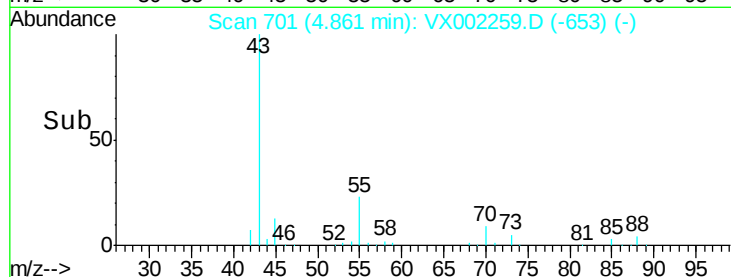
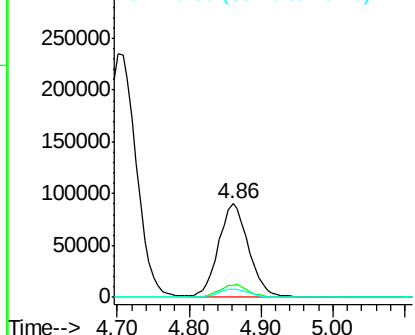
#37
Ethyl Acetate
Concen: 45.36 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

Tot Ion: 43 Resp: 261697
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 9.7 7.6 11.4

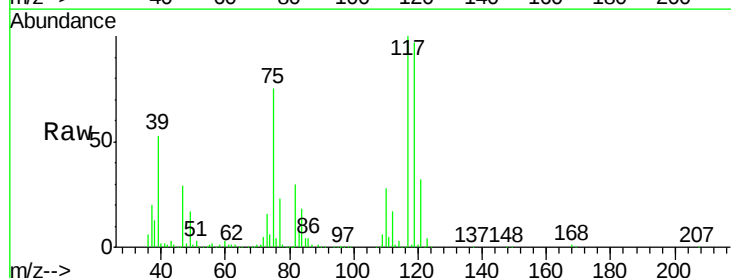


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

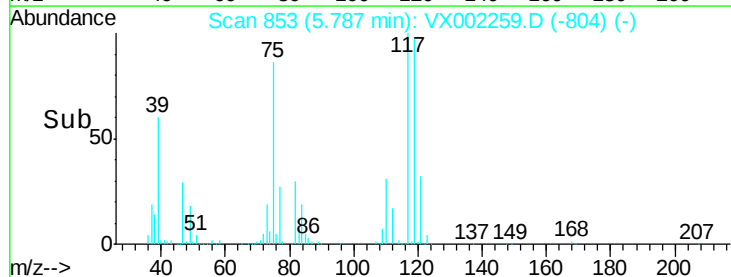
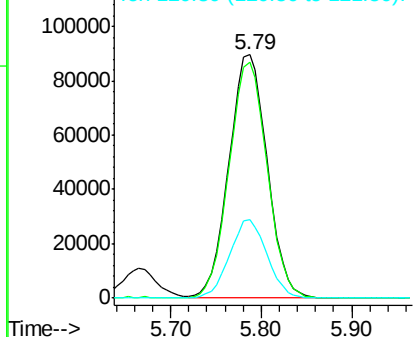


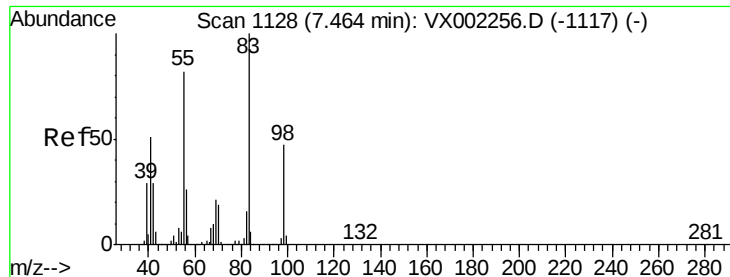
#38
Carbon Tetrachloride
Concen: 52.20 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 117 Resp: 261956
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 32.1 24.4 36.6



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

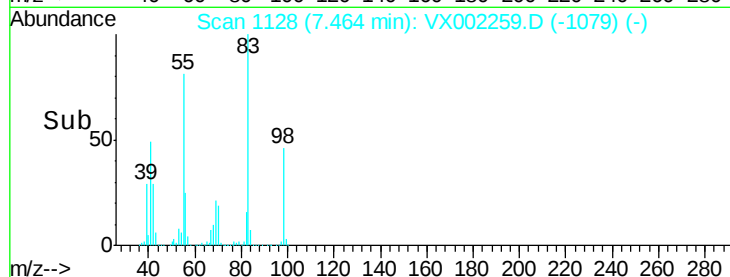
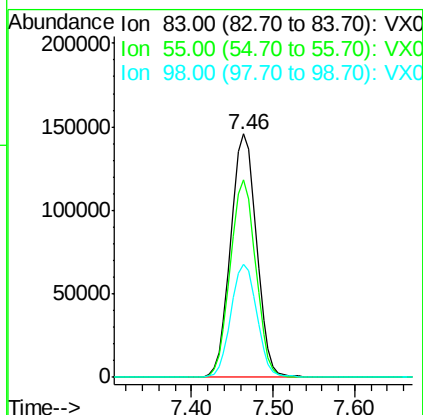
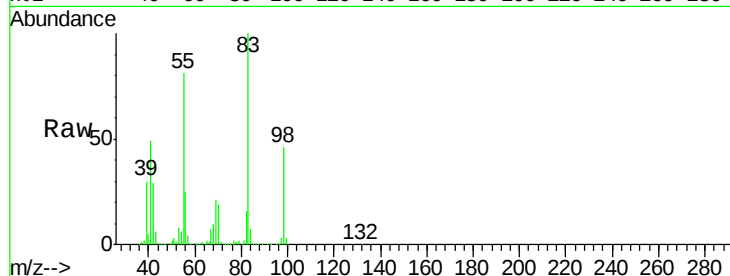




#39
Methvlcvclohexane
Concen: 53.75 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

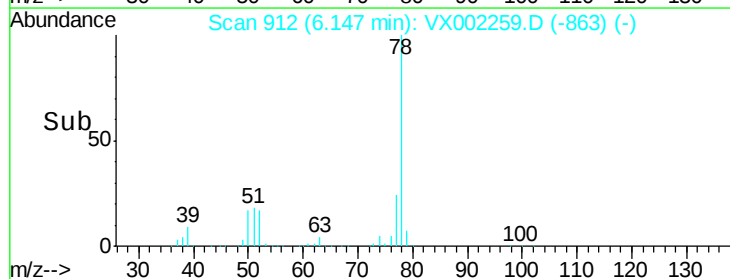
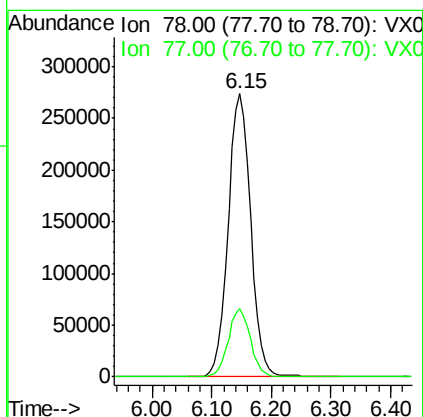
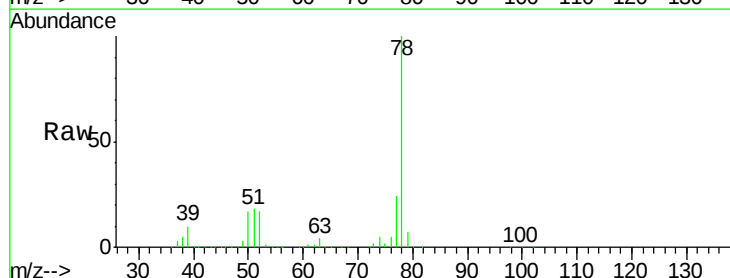
Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

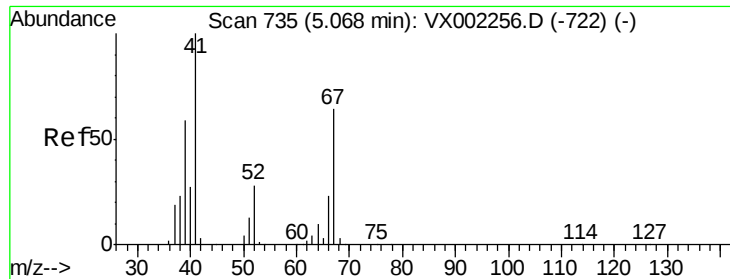
Tot Ion: 83 Resp: 318687
Ion Ratio Lower Upper
83 100
55 80.8 65.4 98.0
98 46.4 37.4 56.0



#40
Benzene
Concen: 48.84 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 78 Resp: 718384
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7

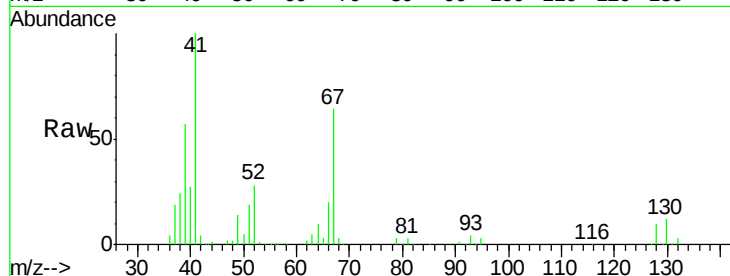




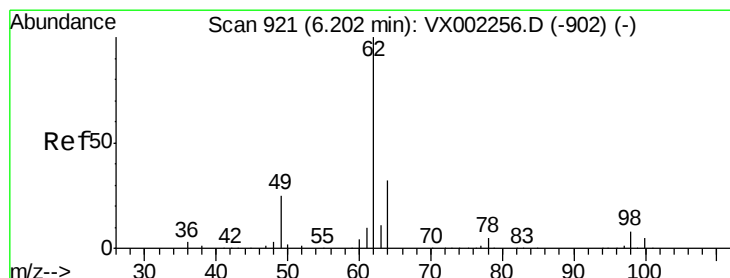
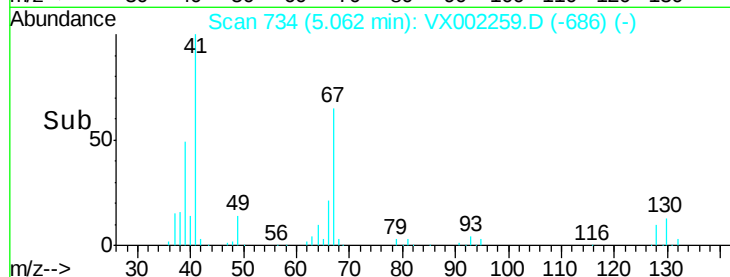
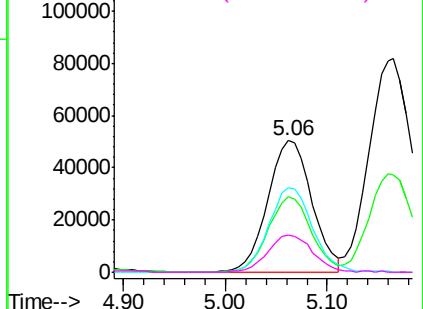
#41
Methacrylonitrile
Concen: 45.51 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

Tot Ion: 41 Resp: 150308
Ion Ratio Lower Upper
41 100
39 56.0 45.8 68.6
67 64.9 51.3 76.9
52 28.7 23.0 34.6

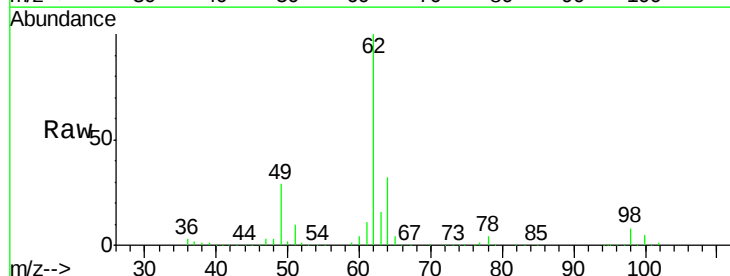


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

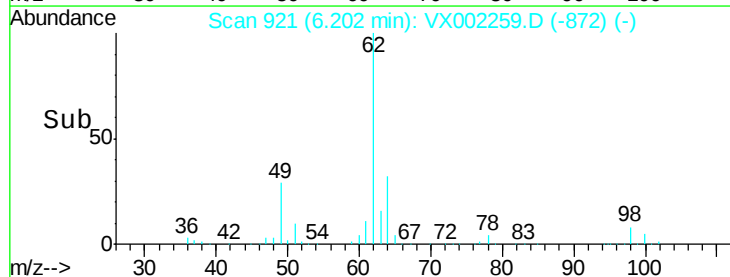
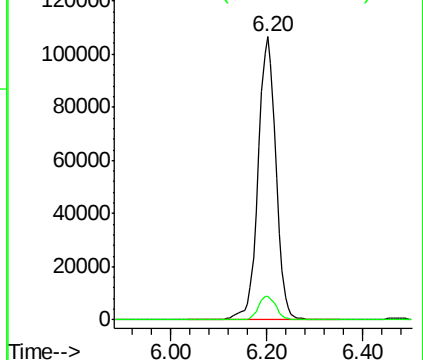


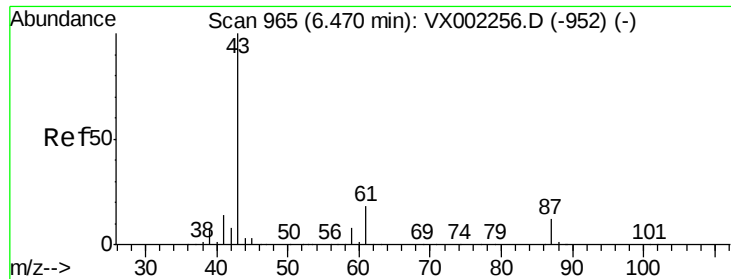
#42
1,2-Dichloroethane
Concen: 46.93 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 62 Resp: 274281
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.59 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

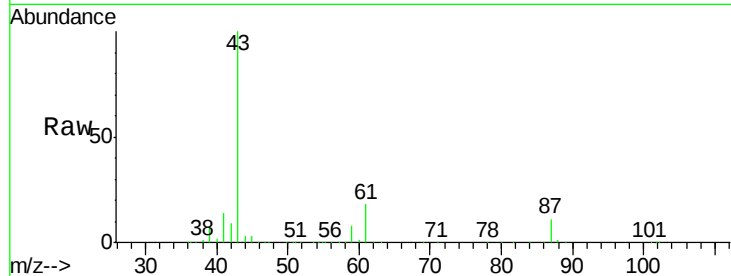
Tot Ion: 43 Resp: 456574

Ion Ratio Lower Upper

43 100

61 18.1 14.4 21.6

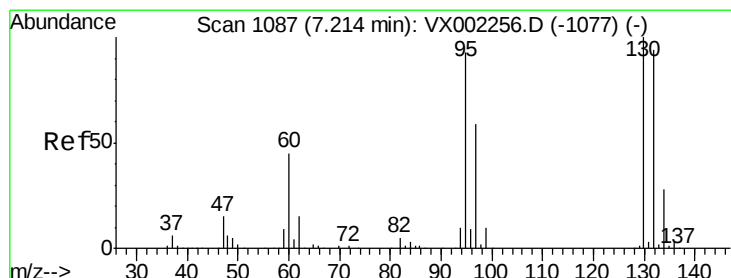
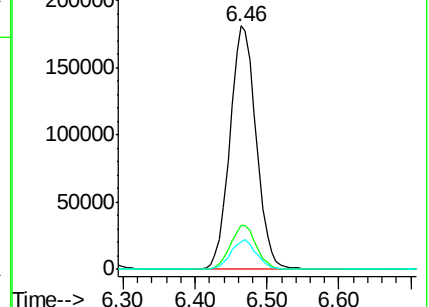
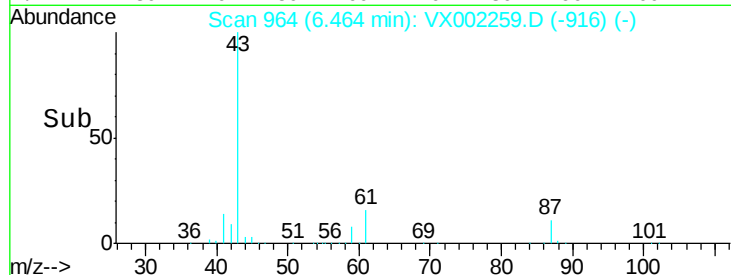
87 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX002259.D (-916) (-)

Ion 61.00 (60.70 to 61.70): VX002259.D (-916) (-)

Ion 87.00 (86.70 to 87.70): VX002259.D (-916) (-)



#44

Trichloroethene

Concen: 51.51 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX002259.D

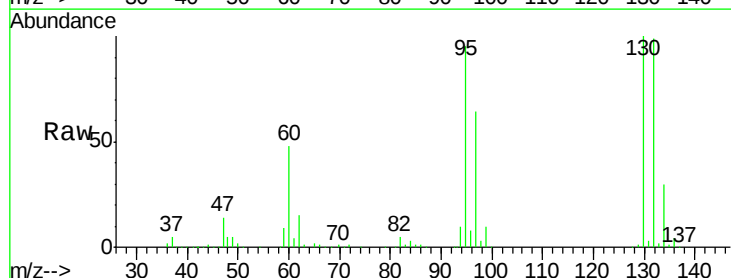
Acq: 04 Jun 2018 13:02

Tgt Ion: 130 Resp: 210286

Ion Ratio Lower Upper

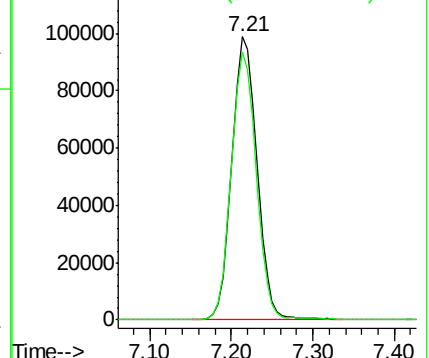
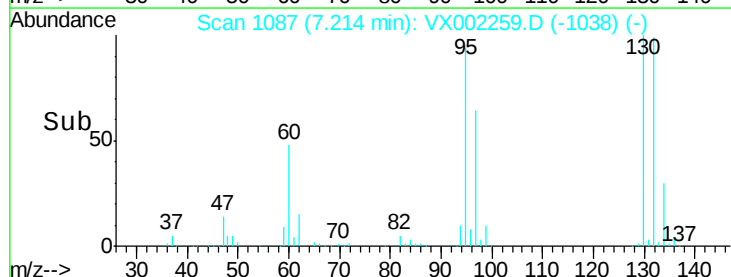
130 100

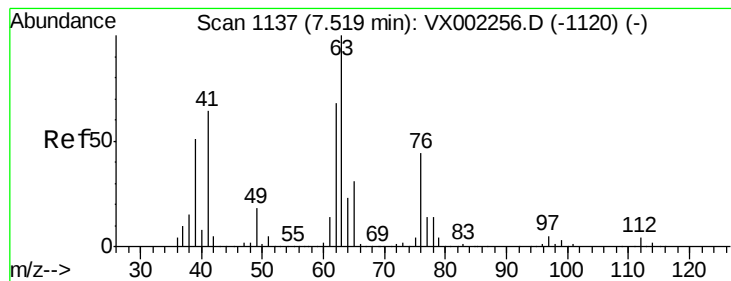
95 94.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VX002259.D (-1038) (-)

Ion 94.90 (94.60 to 95.60): VX002259.D (-1038) (-)





#45

1,2-Dichloropropane

Concen: 47.50 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

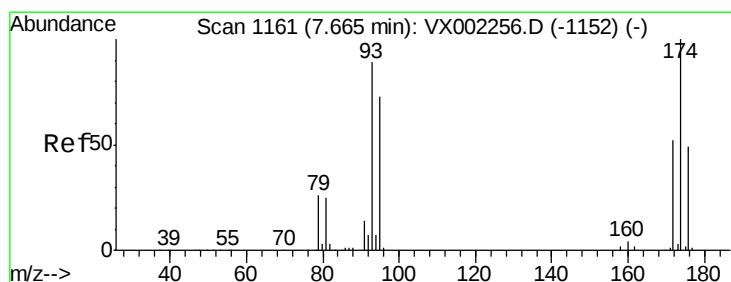
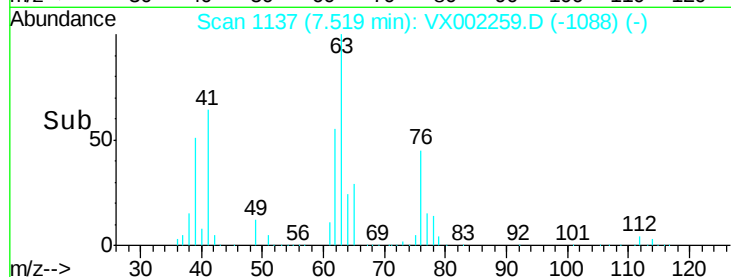
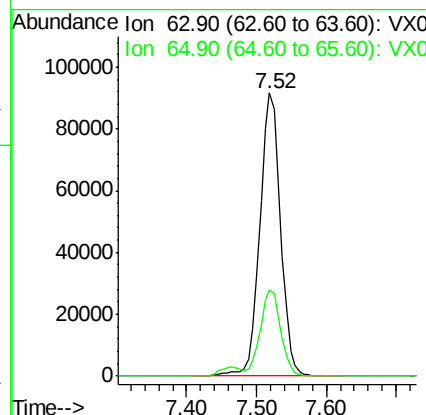
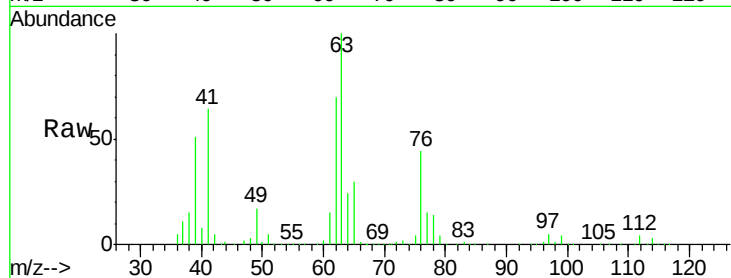
ICVVX060418

Tot Ion: 63 Resp: 188639

Ion Ratio Lower Upper

63 100

65 30.5 24.7 37.1



#46

Dibromomethane

Concen: 46.30 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

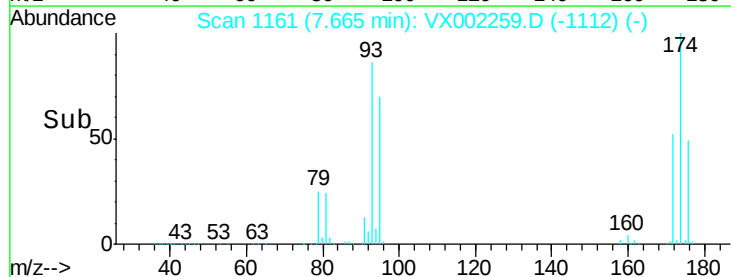
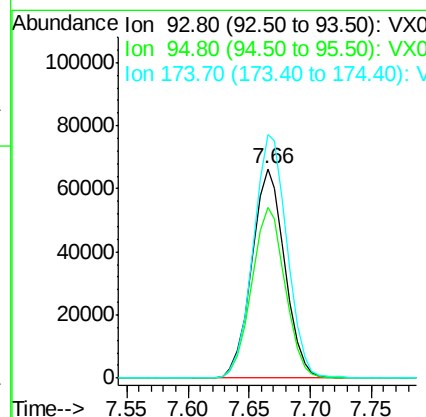
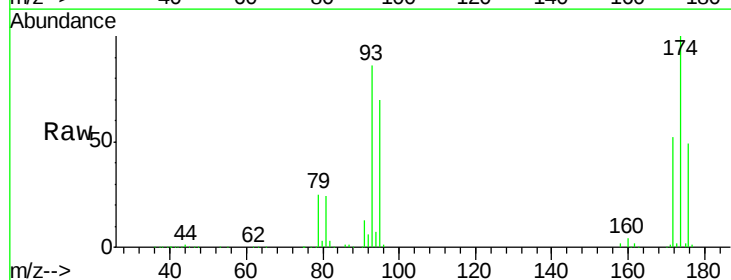
Tgt Ion: 93 Resp: 124638

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 119.4 92.4 138.6





#47

Bromodichloromethane

Concen: 49.66 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

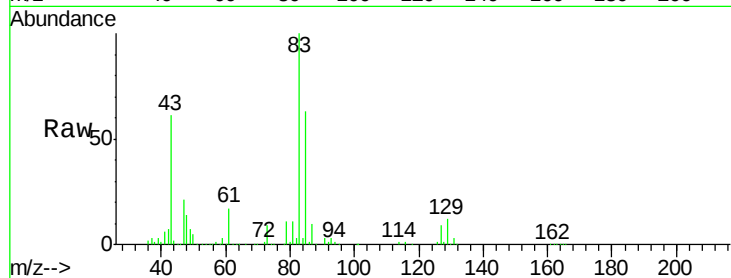
Tot Ion: 83 Resp: 241774

Ion Ratio Lower Upper

83 100

85 63.1 50.3 75.5

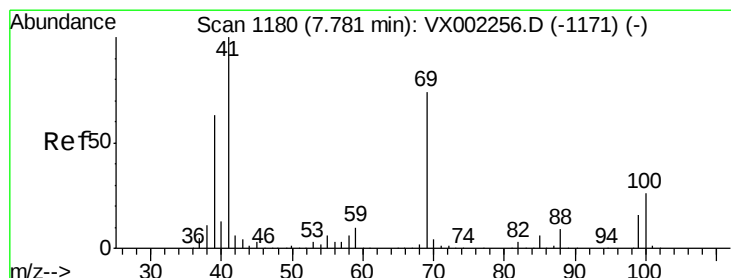
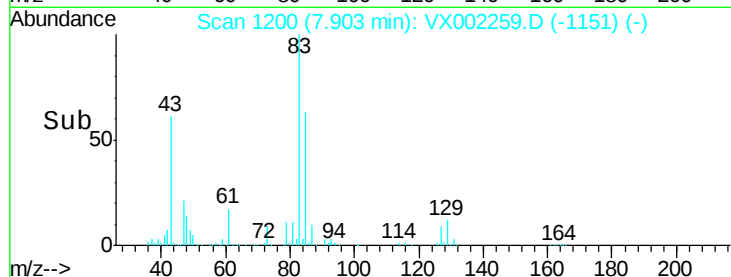
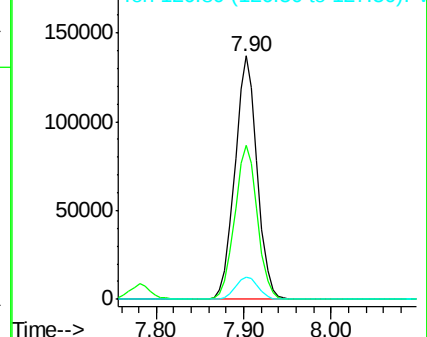
127 9.2 7.0 10.4



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: 47.13 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

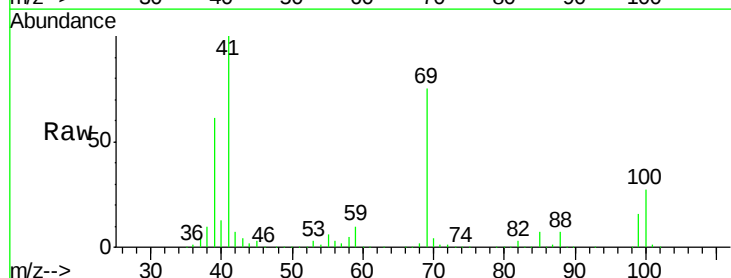
Tgt Ion: 41 Resp: 231957

Ion Ratio Lower Upper

41 100

69 74.9 59.1 88.7

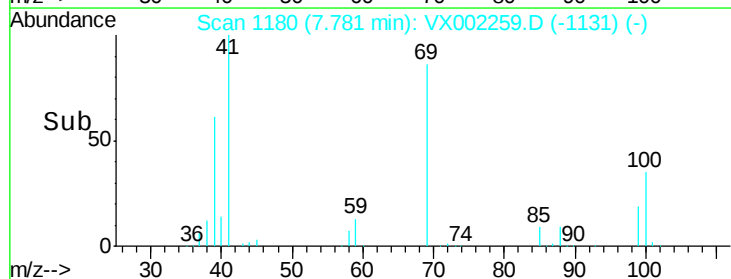
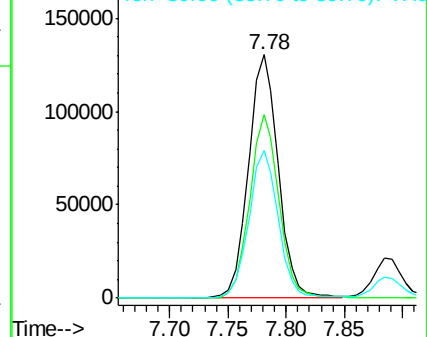
39 60.1 48.9 73.3

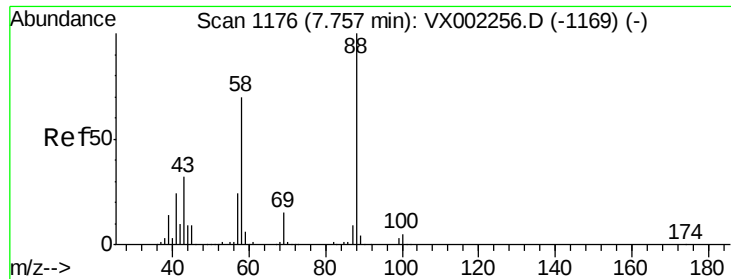


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 927.24 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

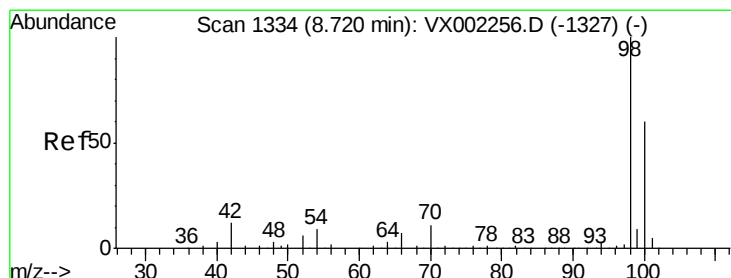
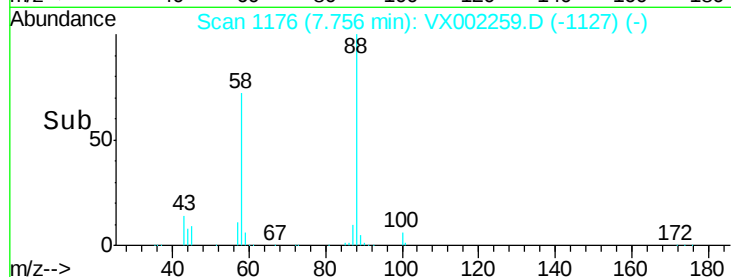
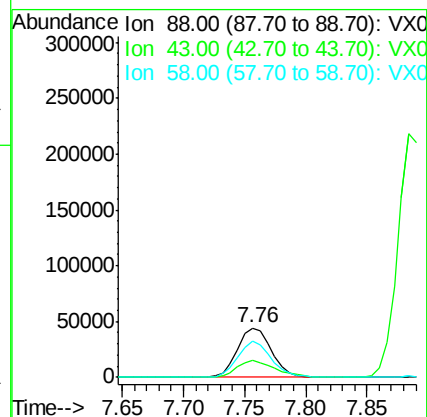
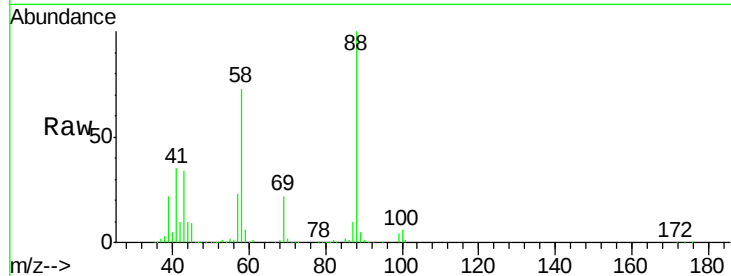
Tot Ion: 88 Resp: 85336

Ion Ratio Lower Upper

88 100

43 37.2 29.8 44.6

58 71.8 57.1 85.7



#50

Toluene-d8

Concen: 49.53 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002259.D

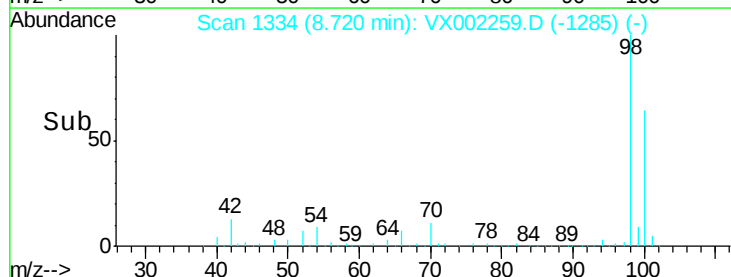
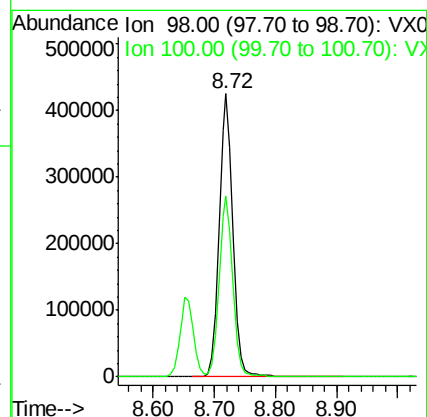
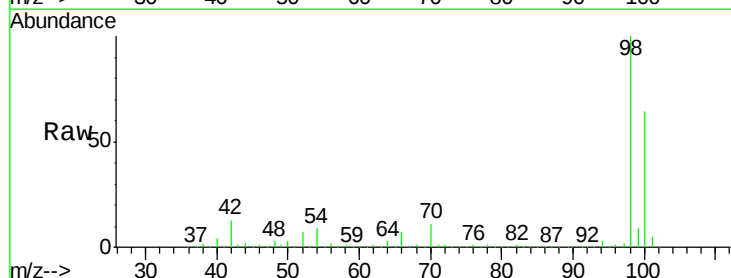
Acq: 04 Jun 2018 13:02

Tgt Ion: 98 Resp: 681256

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 230.48 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

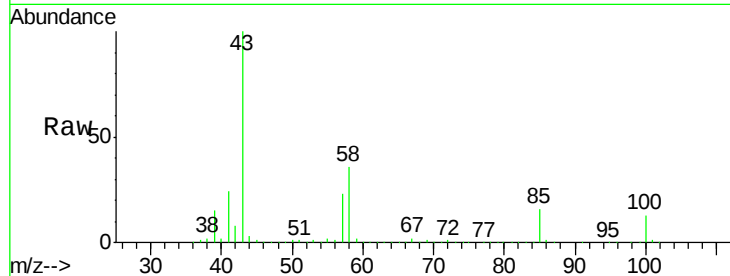
ICVVX060418

Tot Ion: 43 Resp: 1406466

Ion Ratio Lower Upper

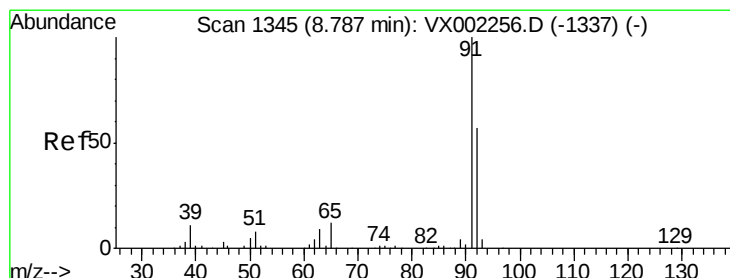
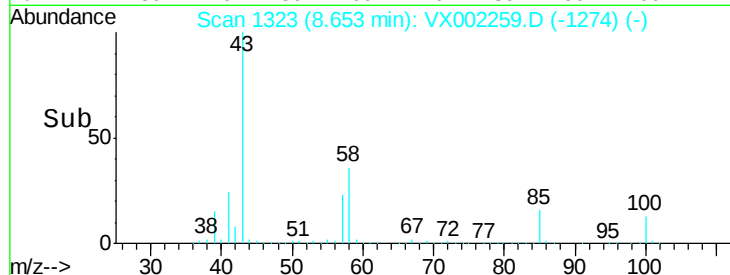
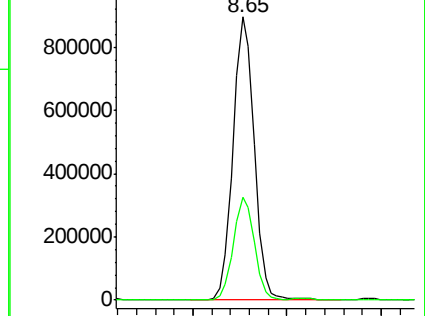
43 100

58 35.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.32 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002259.D

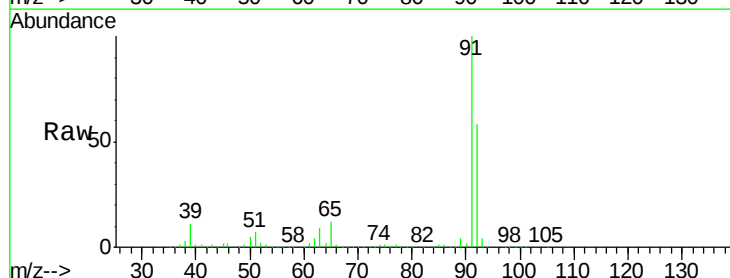
Acq: 04 Jun 2018 13:02

Tgt Ion: 92 Resp: 470734

Ion Ratio Lower Upper

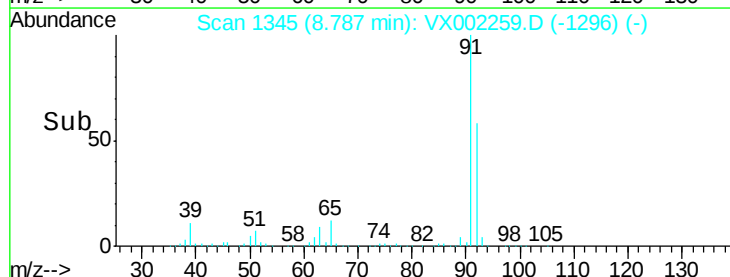
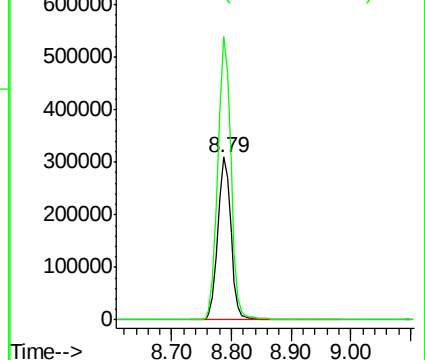
92 100

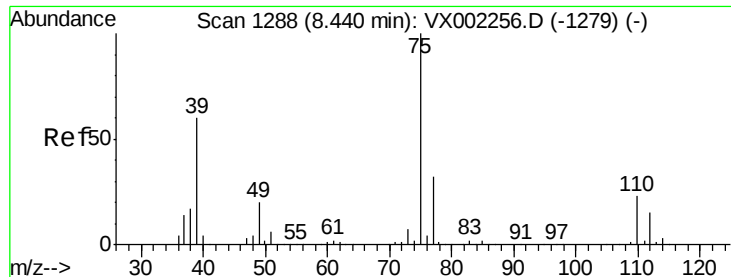
91 174.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 51.06 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

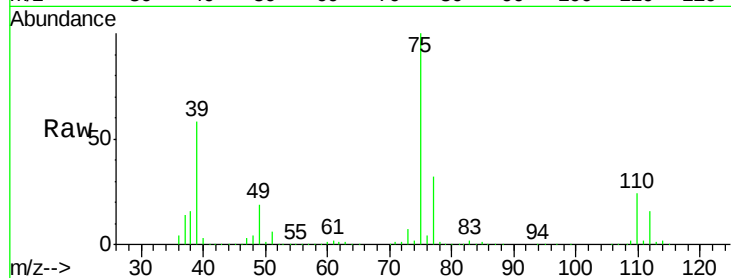
ICVVX060418

Tot Ion: 75 Resp: 298084

Ion Ratio Lower Upper

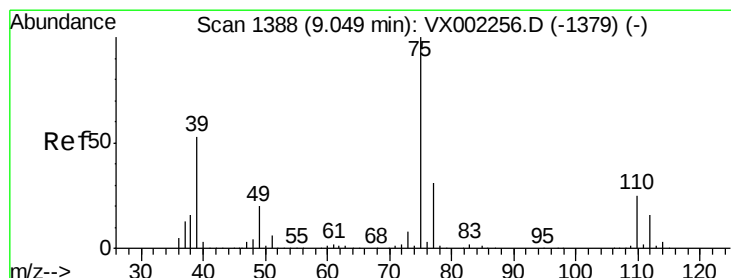
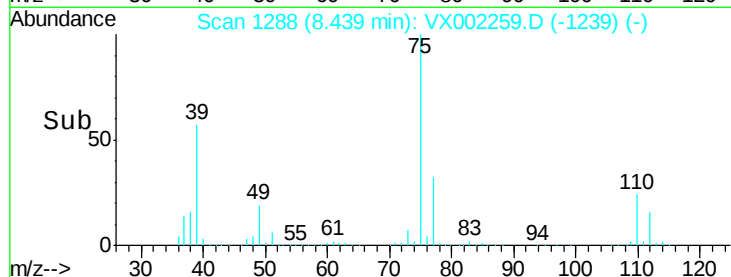
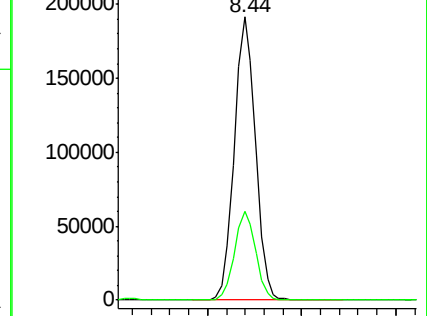
75 100

77 31.5 25.4 38.2



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: 51.68 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

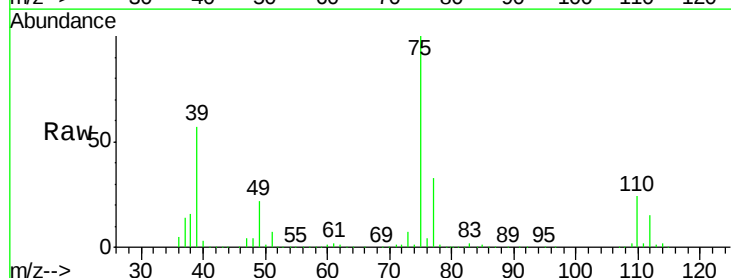
Tgt Ion: 75 Resp: 284696

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

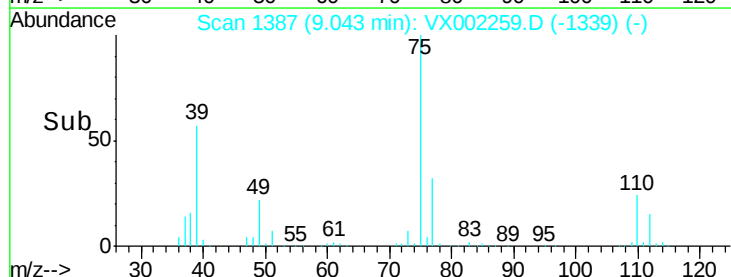
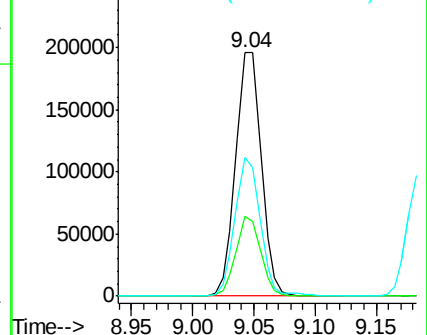
39 56.7 42.4 63.6

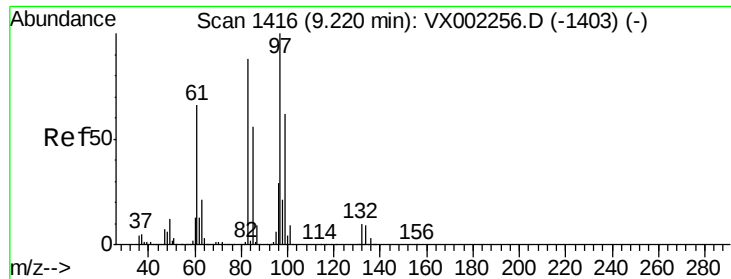


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

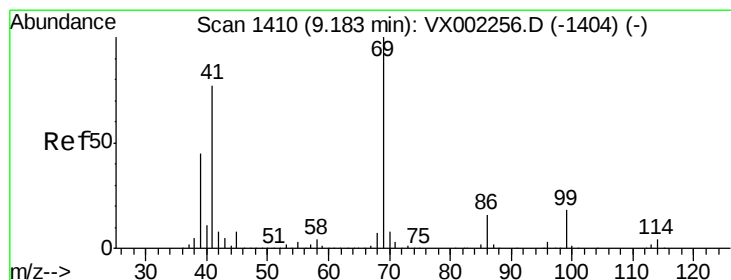
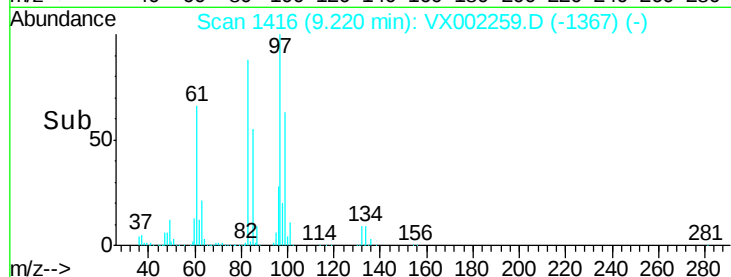
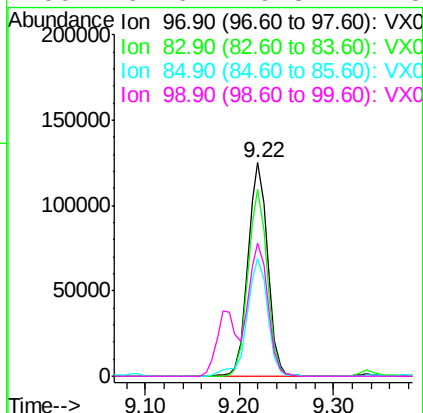
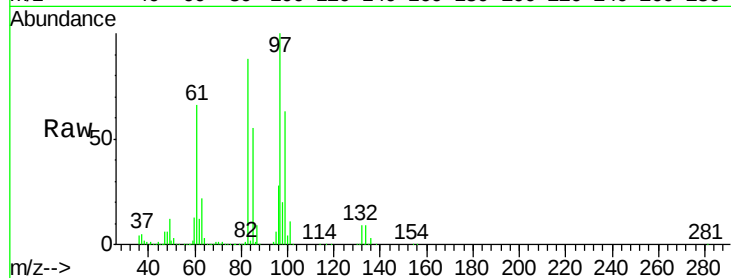




#55
 1,1,2-Trichloroethane
 Concen: 47.77 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

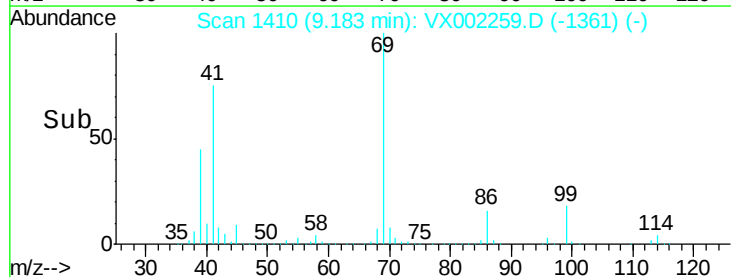
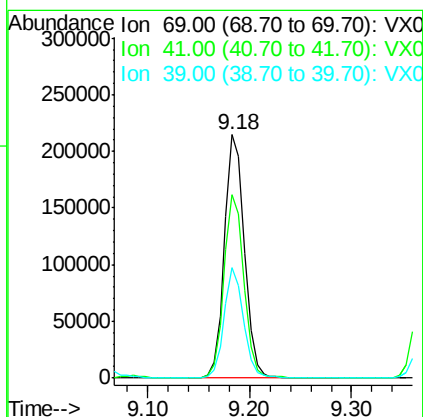
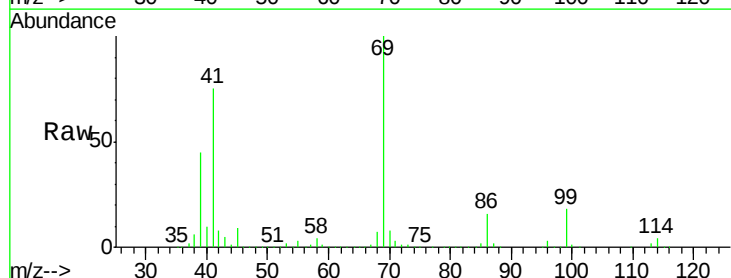
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX060418

Tot Ion:	97	Resp:	183807
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.2	105.2
85	54.9	44.9	67.3
99	62.6	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 47.47 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

Tgt Ion:	69	Resp:	291637
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.3	90.5
39	44.1	35.8	53.8





#57

1,3-Dichloropropane

Concen: 47.18 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

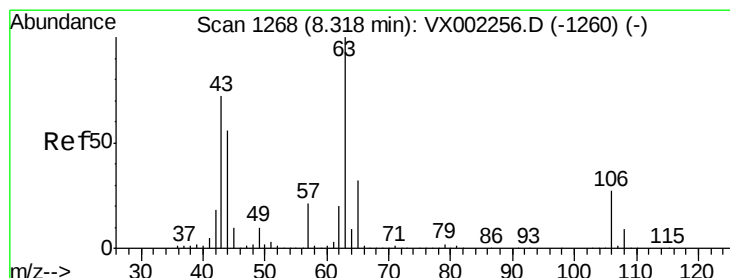
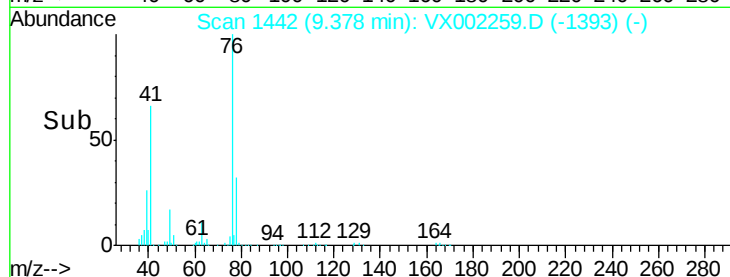
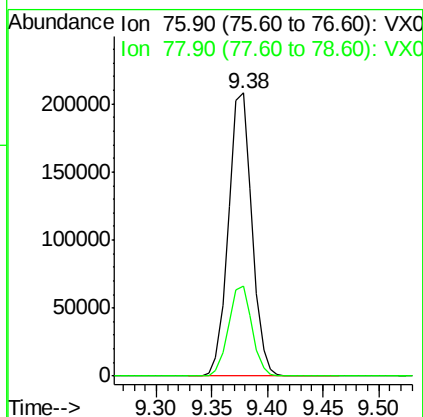
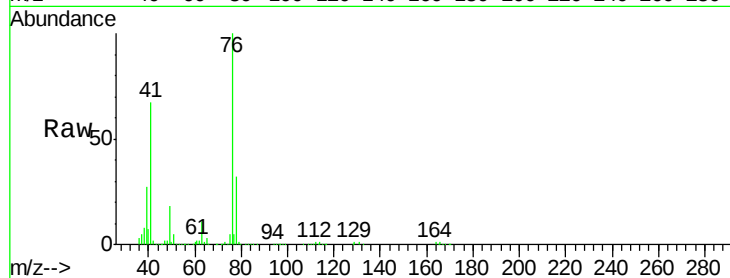
ICVVX060418

Tot Ion: 76 Resp: 304529

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 242.23 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002259.D

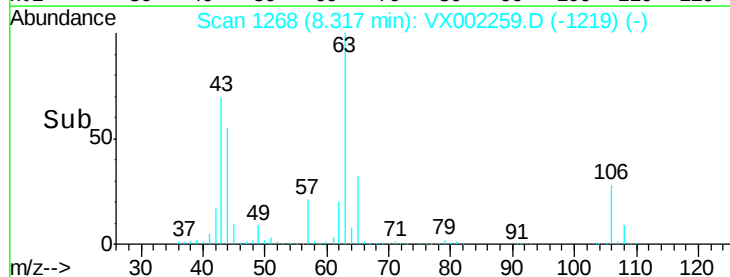
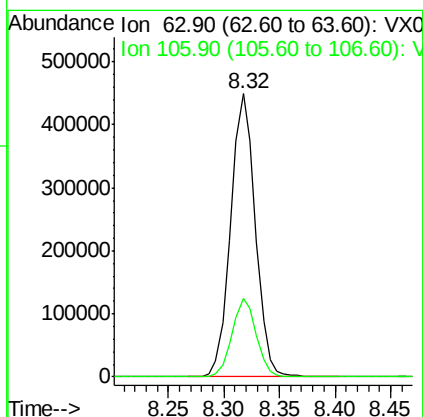
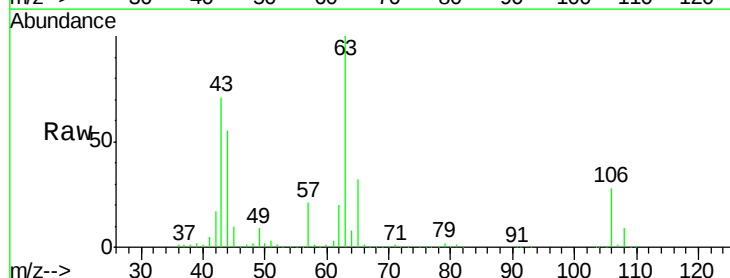
Acq: 04 Jun 2018 13:02

Tgt Ion: 63 Resp: 688707

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8

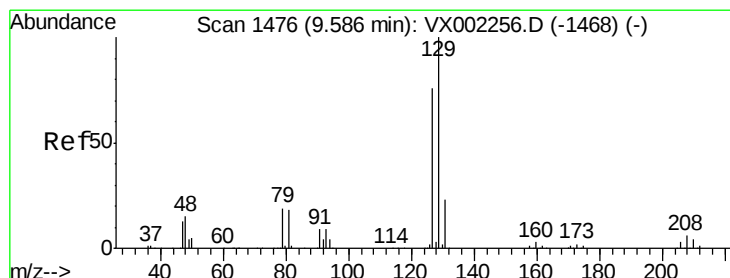
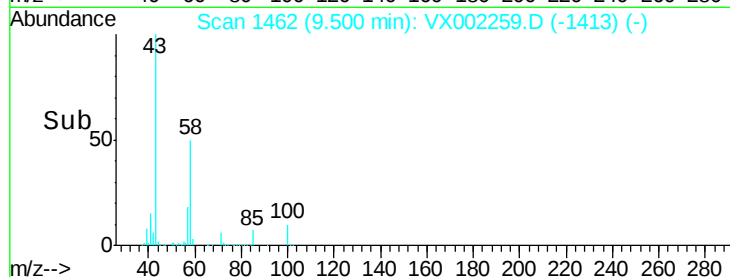
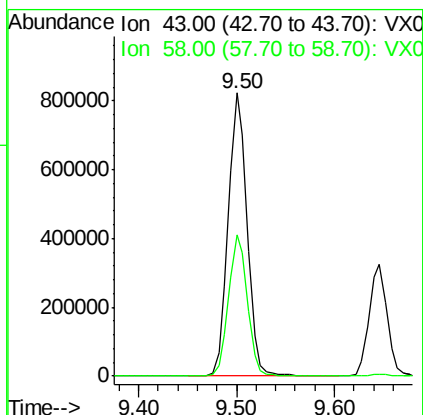
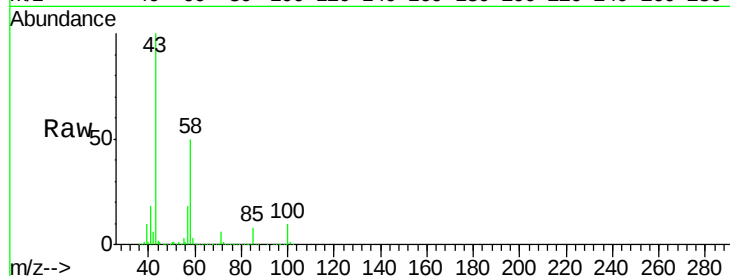




#59
2-Hexanone
Concen: 234.48 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

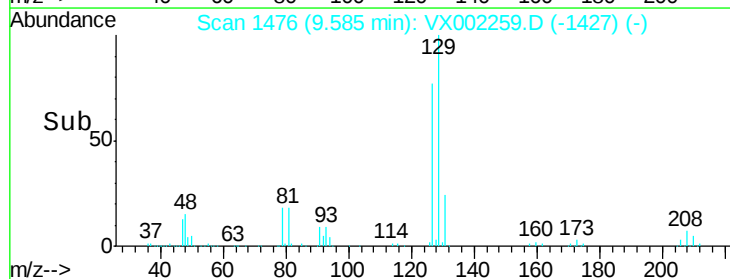
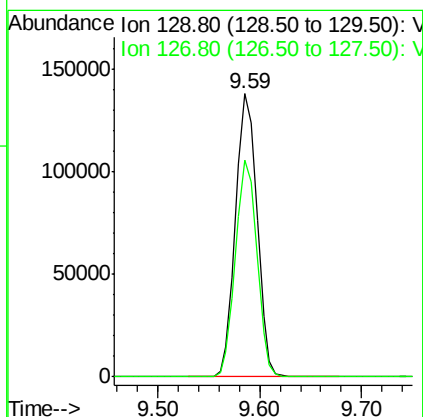
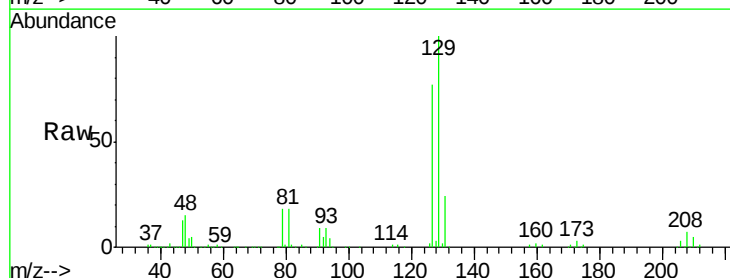
Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

Tot Ion: 43 Resp: 1105212
Ion Ratio Lower Upper
43 100
58 49.8 24.6 73.6



#60
Dibromochloromethane
Concen: 52.02 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 129 Resp: 201340
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 48.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

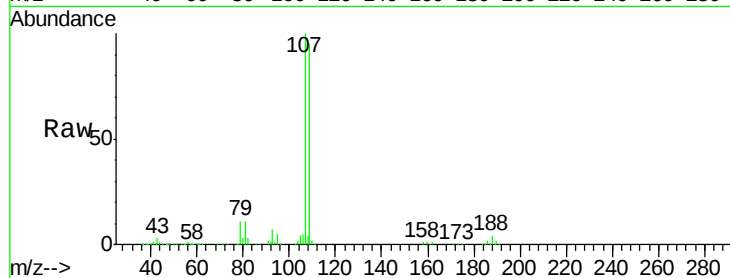
ICVVX060418

Tot Ion:107 Resp: 194514

Ion Ratio Lower Upper

107 100

109 94.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

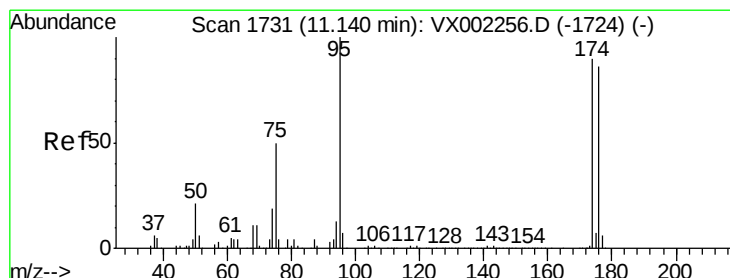
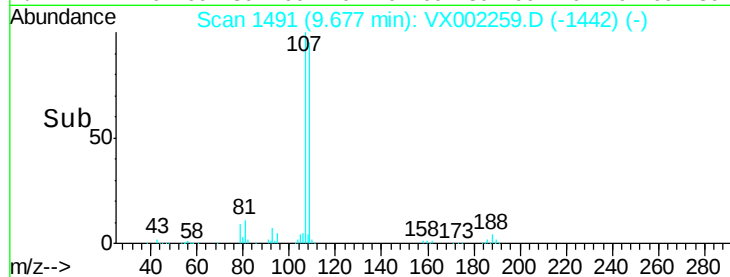
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

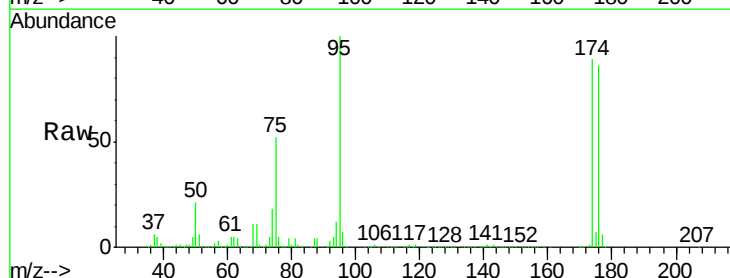
Tgt Ion: 95 Resp: 265282

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.4

176 91.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

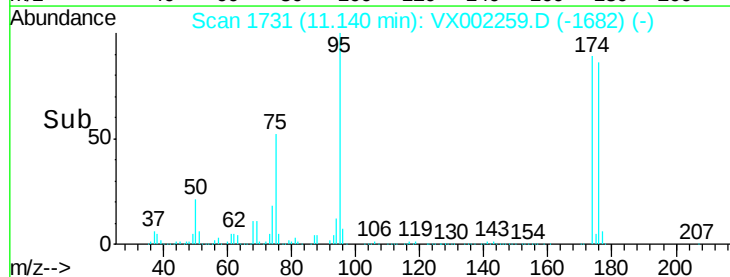
150000

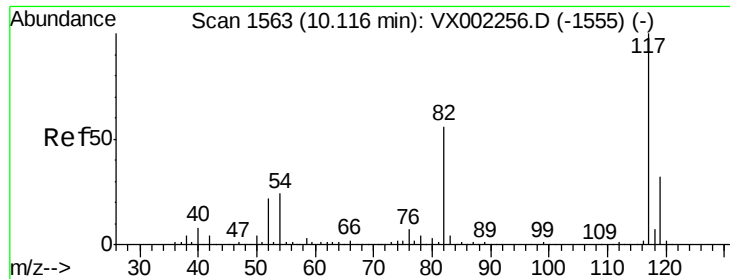
100000

50000

0

Time-->

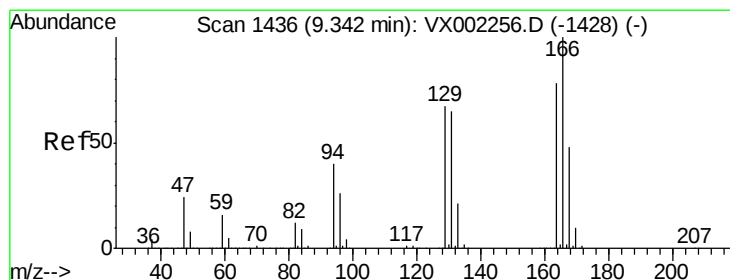
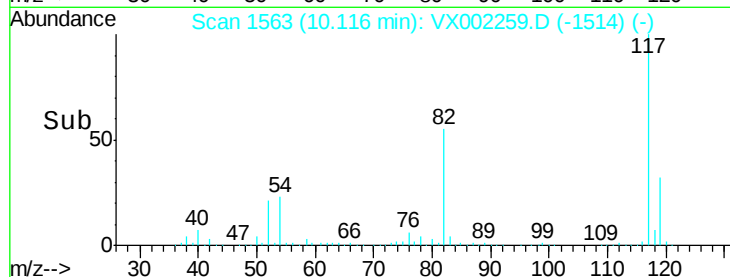
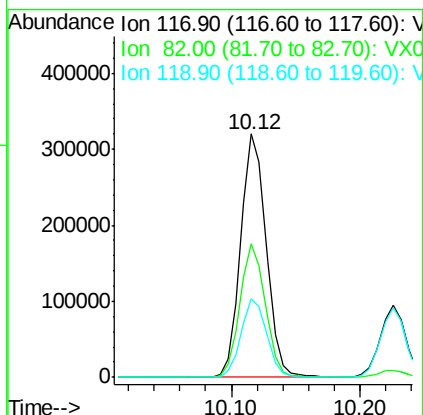
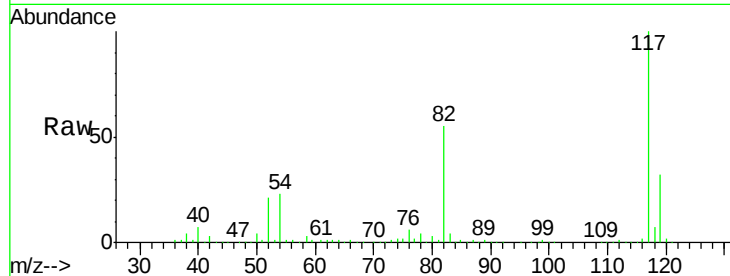




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

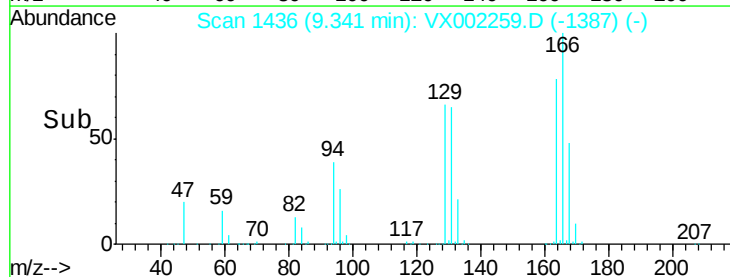
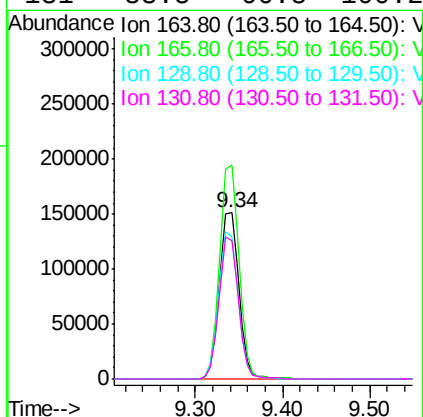
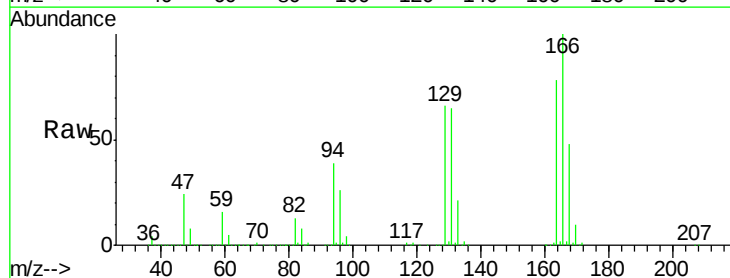
Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

Tot Ion:117 Resp: 438962
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 51.57 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion:164 Resp: 233484
Ion Ratio Lower Upper
164 100
166 128.8 102.9 154.3
129 85.4 68.6 102.8
131 83.5 66.8 100.2





#65

Chlorobenzene

Concen: 49.26 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

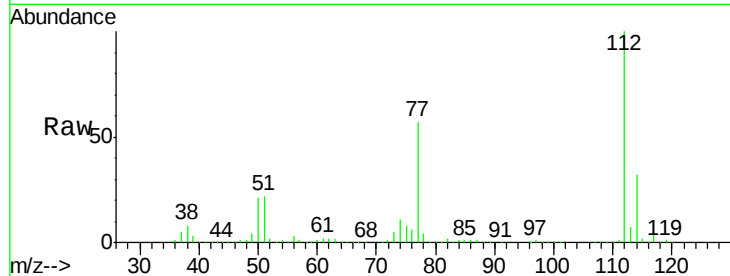
ICVVX060418

Tot Ion:112 Resp: 538062

Ion Ratio Lower Upper

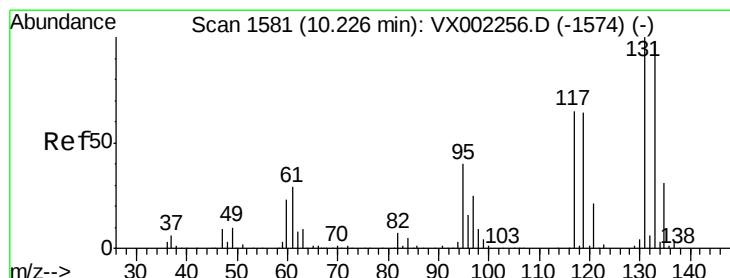
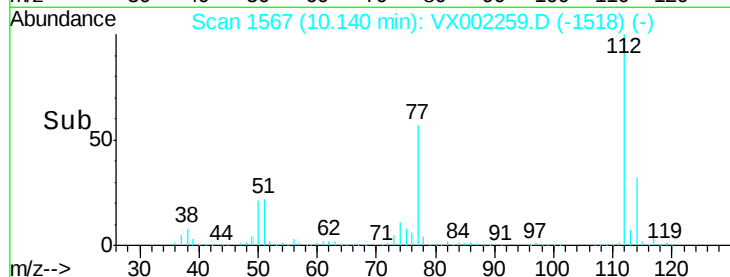
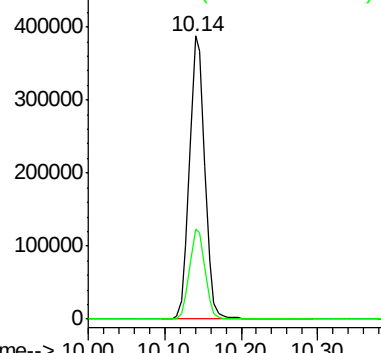
112 100

114 32.0 25.3 37.9



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: 49.87 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

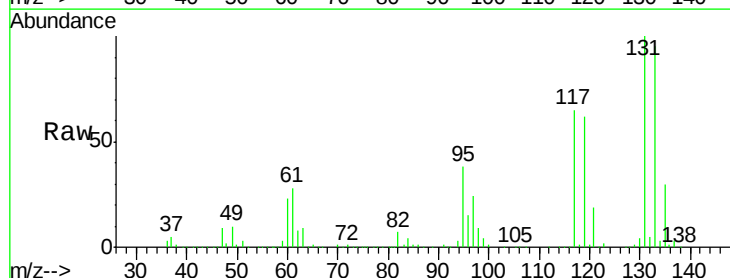
Tgt Ion:131 Resp: 197223

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.6

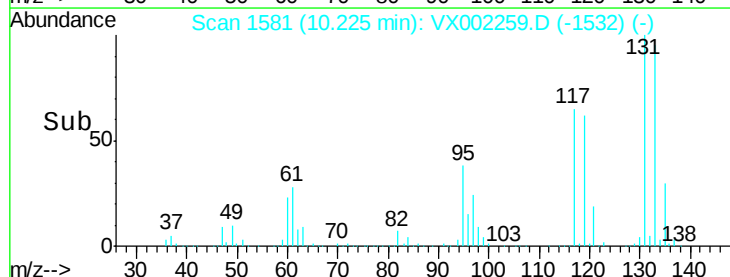
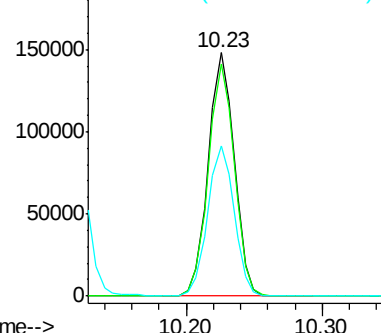
119 63.0 31.8 95.3

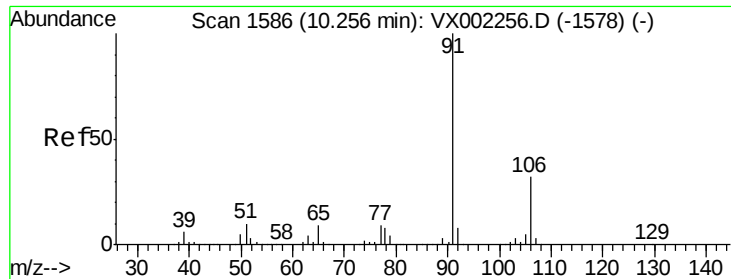


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

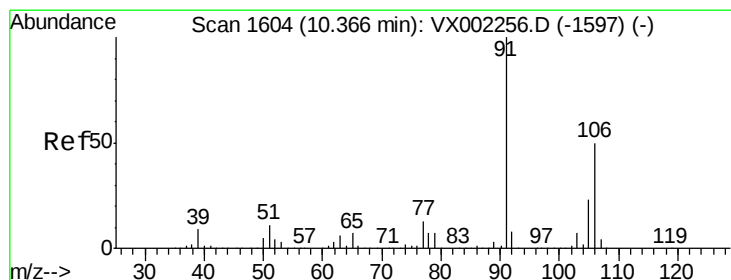
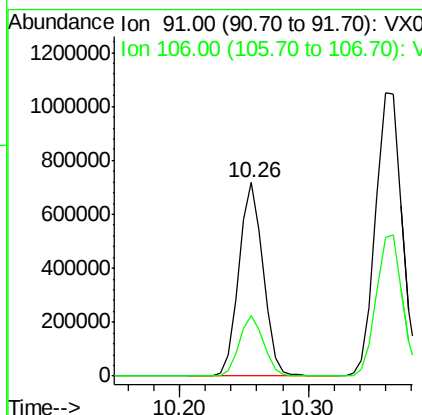
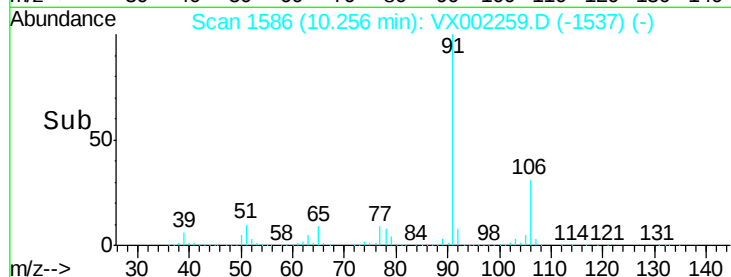
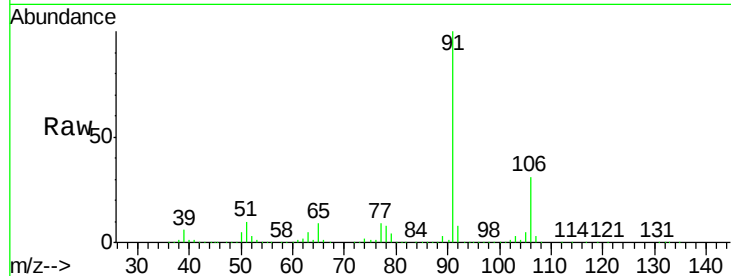




#67
Ethyl Benzene
Concen: 51.31 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

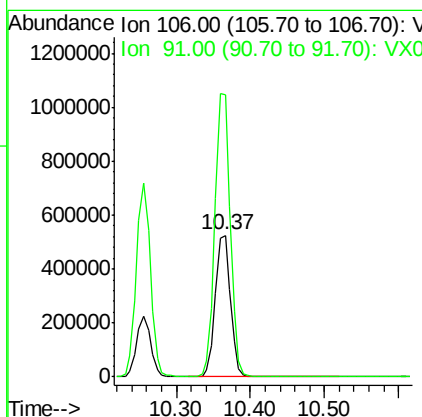
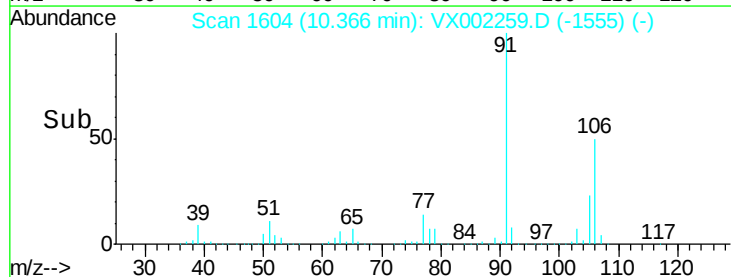
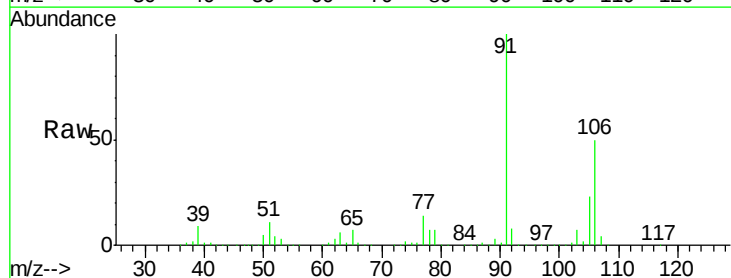
Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

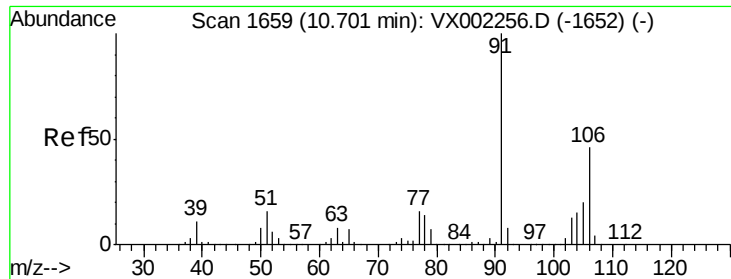
Tot Ion: 91 Resp: 937834
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 102.72 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion: 106 Resp: 729880
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2

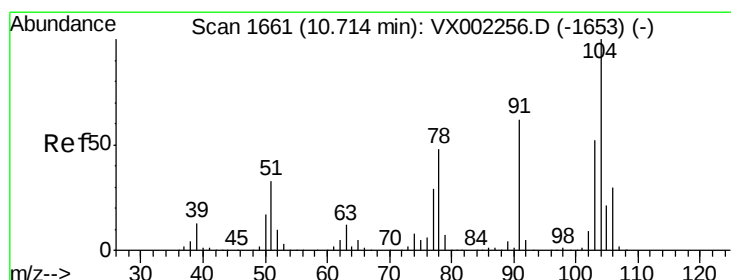
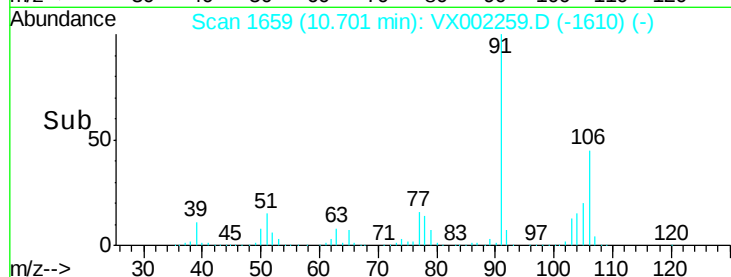
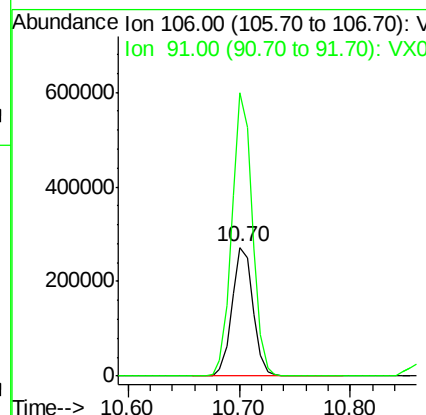
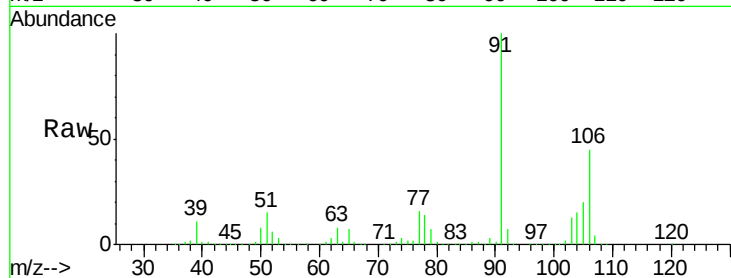




#69
o-Xylene
Concen: 49.90 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

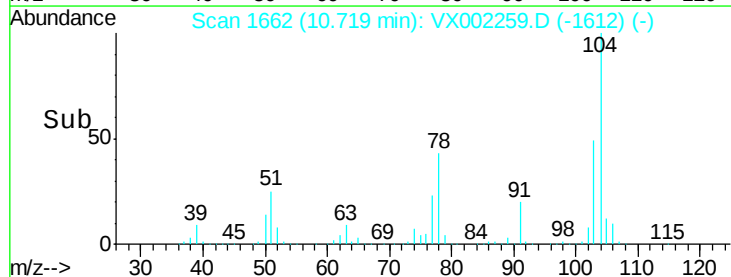
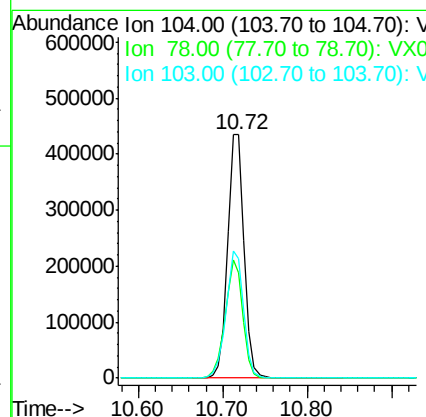
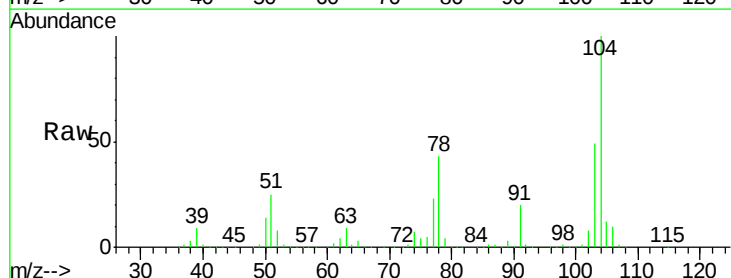
Instrument :
MSVOA_X
ClientSampleId :
ICVVX060418

Tot Ion:106 Resp: 352828
Ion Ratio Lower Upper
106 100
91 215.9 108.2 324.6



#70
Styrene
Concen: 50.93 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002259.D
Acq: 04 Jun 2018 13:02

Tgt Ion:104 Resp: 588767
Ion Ratio Lower Upper
104 100
78 51.7 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 45.27 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

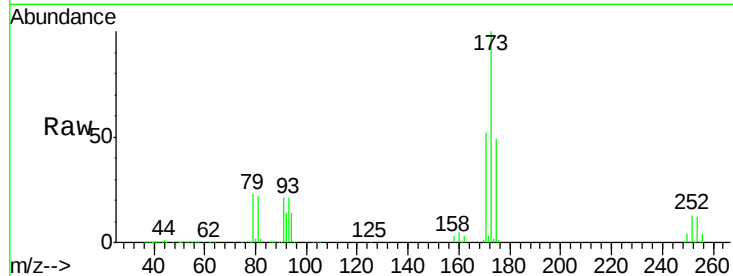
Tot Ion:173 Resp: 159105

Ion Ratio Lower Upper

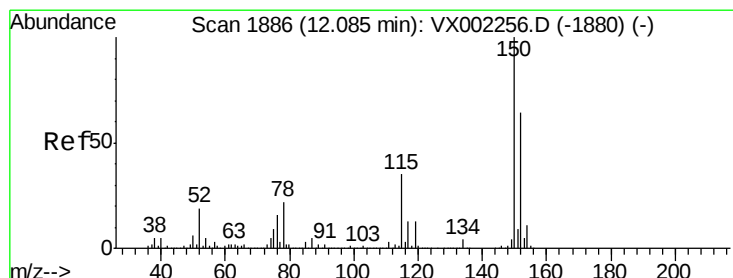
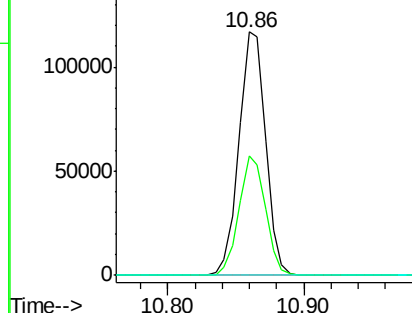
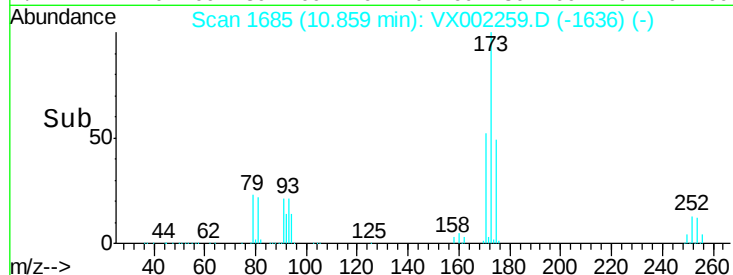
173 100

175 48.5 24.7 74.1

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

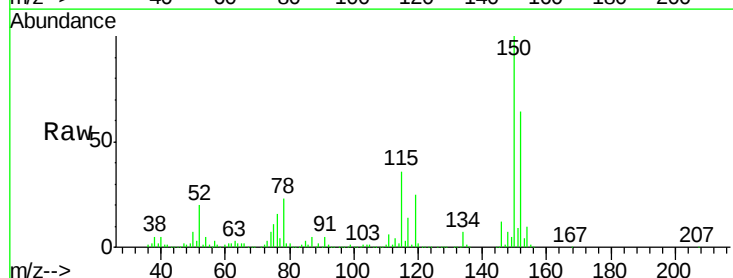
Tgt Ion:152 Resp: 279071

Ion Ratio Lower Upper

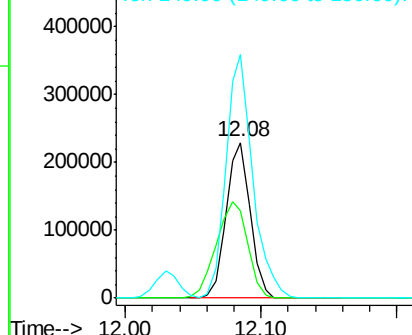
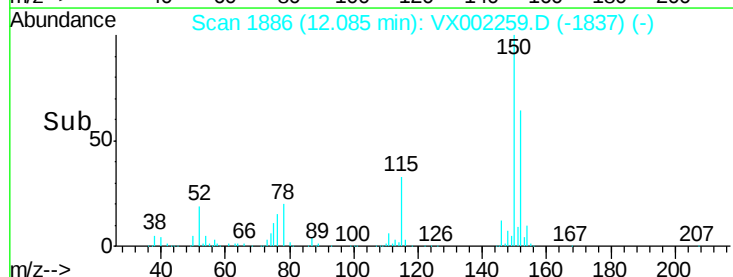
152 100

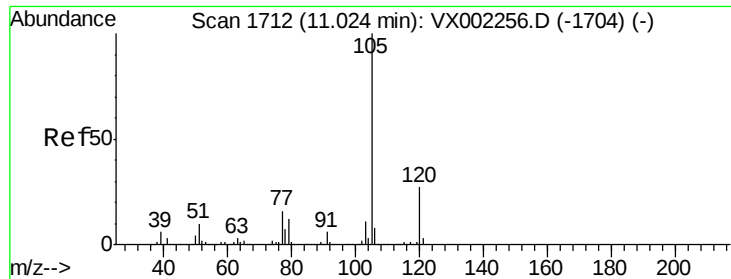
115 81.0 40.1 120.2

150 174.8 0.0 347.2



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: 50.13 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

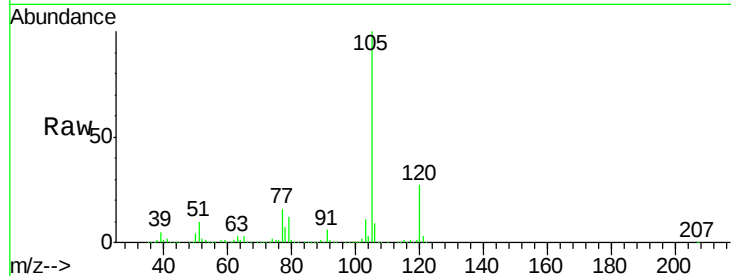
ICVX060418

Tot Ion:105 Resp: 973161

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

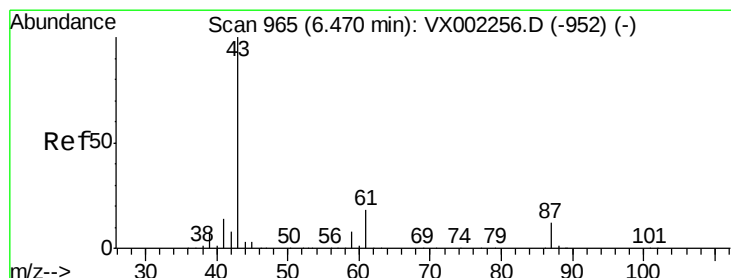
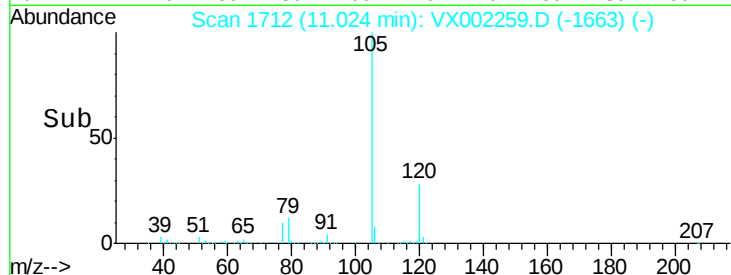
200000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 43.65 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Tgt Ion: 43 Resp: 456574

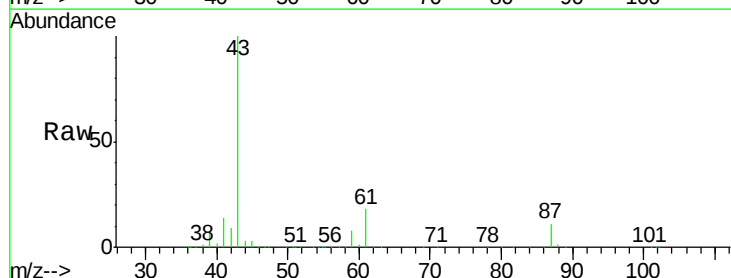
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.1 14.4 21.6



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

250000

200000

150000

100000

50000

0

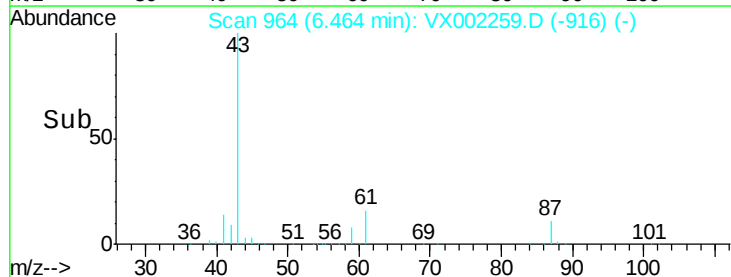
6.30

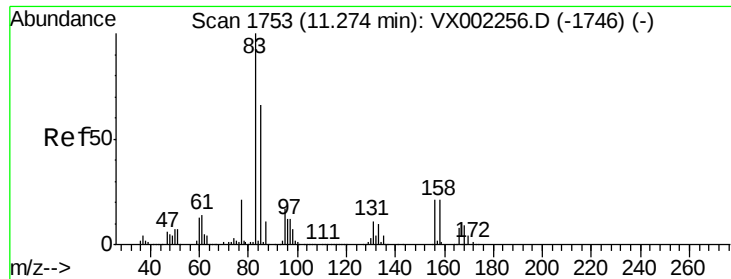
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.99 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

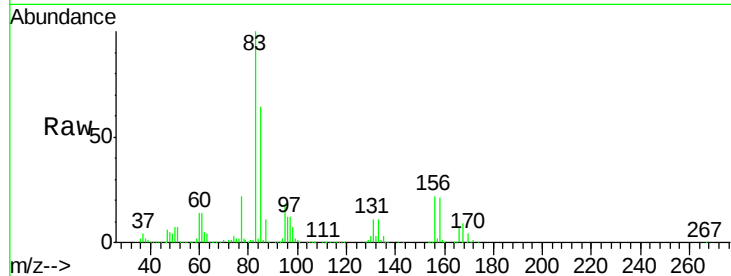
Tot Ion: 83 Resp: 268588

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

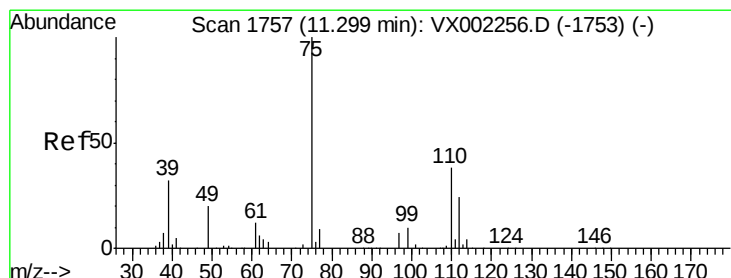
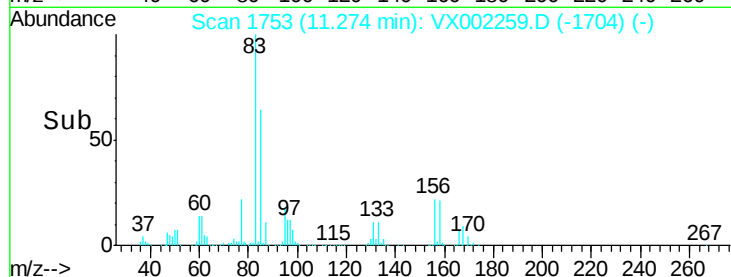
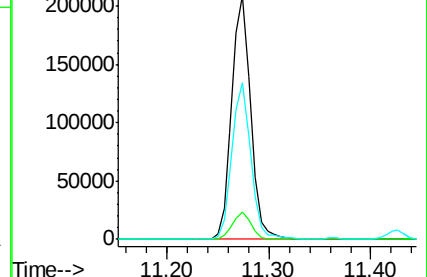
85 64.3 32.4 97.2



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: 54.51 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002259.D

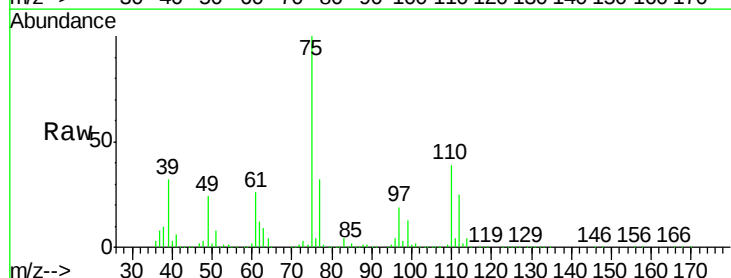
Acq: 04 Jun 2018 13:02

Tgt Ion: 75 Resp: 333807

Ion Ratio Lower Upper

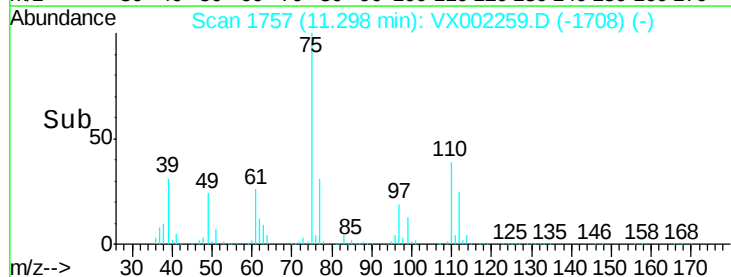
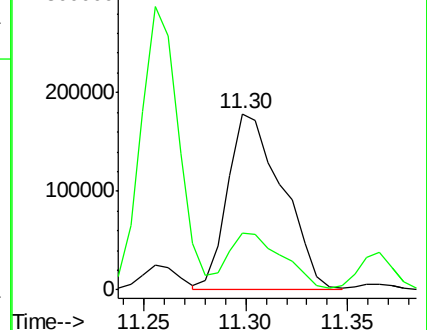
75 100

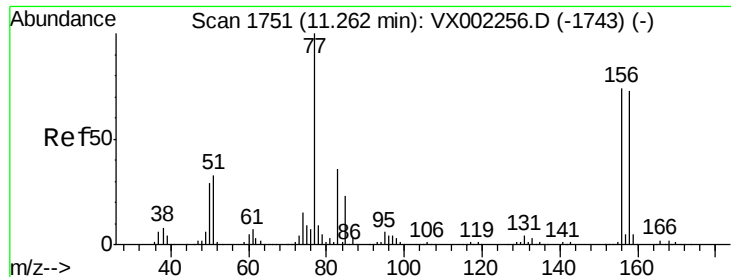
77 32.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.22 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

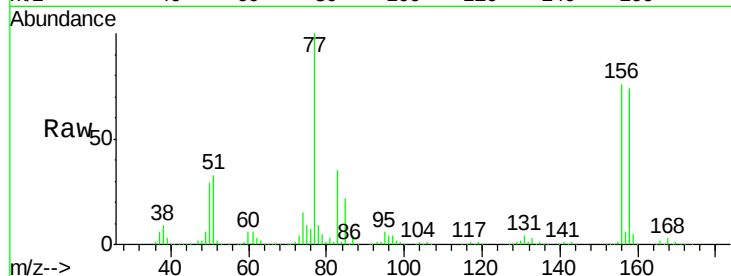
Tot Ion:156 Resp: 257378

Ion Ratio Lower Upper

156 100

77 142.9 71.4 214.2

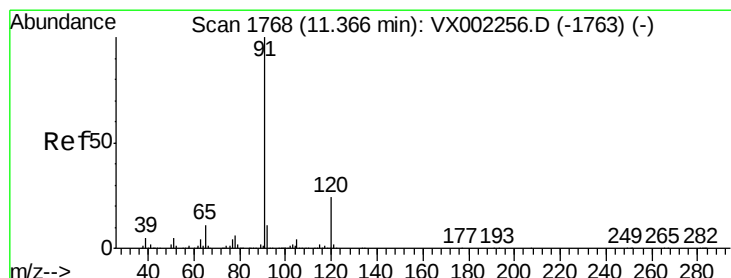
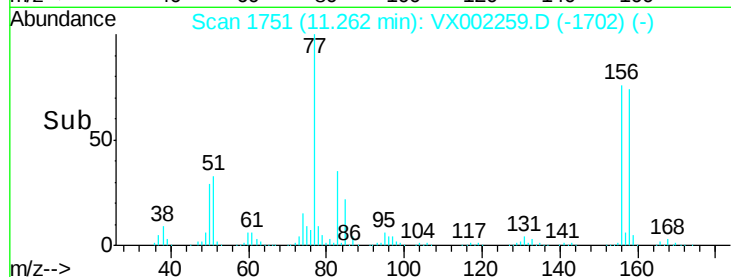
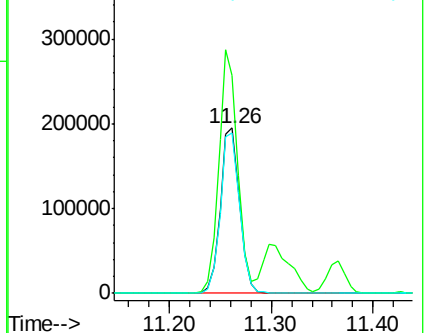
158 97.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.29 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002259.D

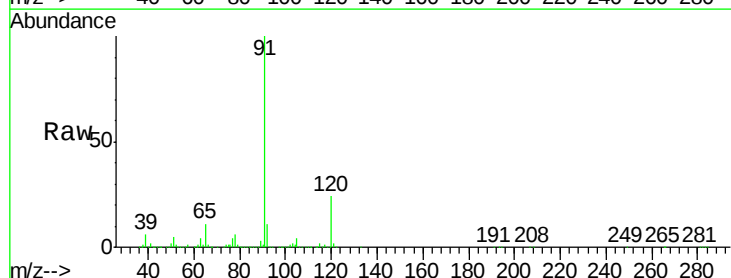
Acq: 04 Jun 2018 13:02

Tgt Ion: 91 Resp: 1128325

Ion Ratio Lower Upper

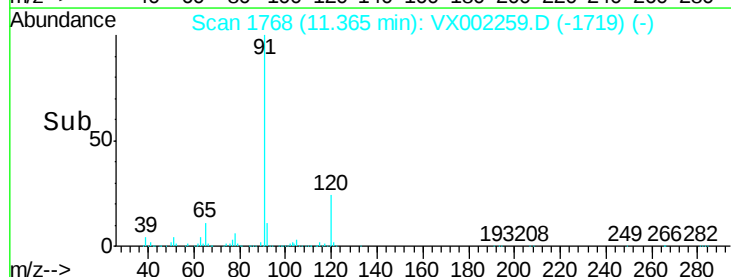
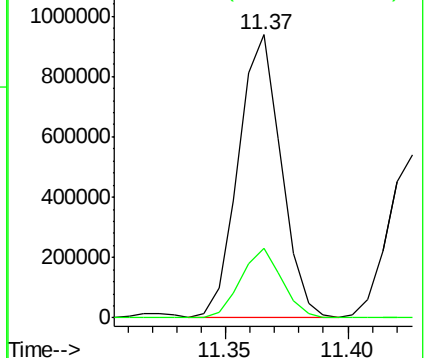
91 100

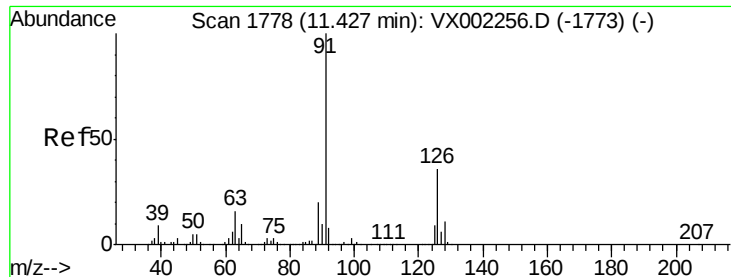
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.06 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampled :

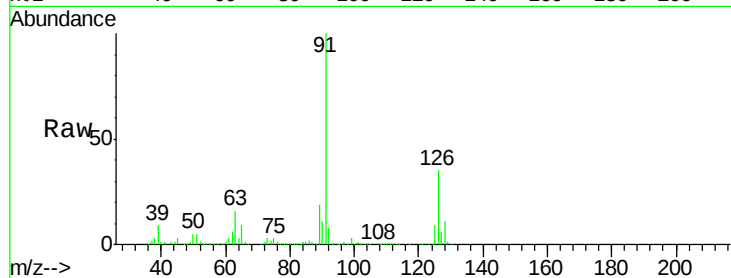
ICVVX060418

Tot Ion: 91 Resp: 654767

Ion Ratio Lower Upper

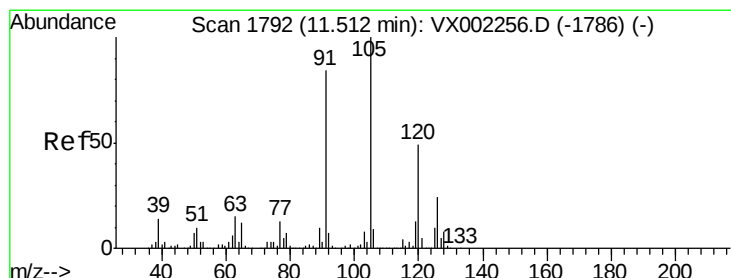
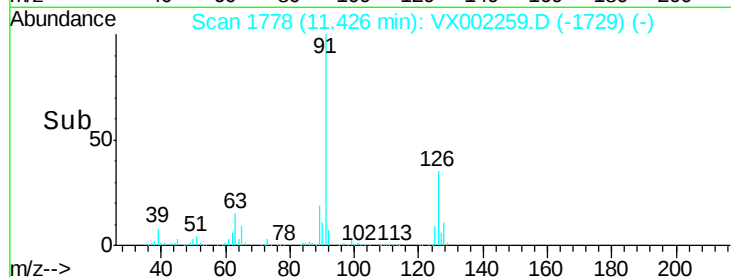
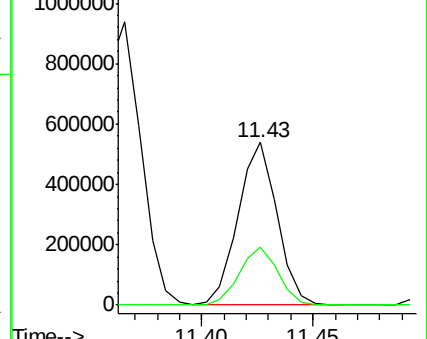
91 100

126 35.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002259.D

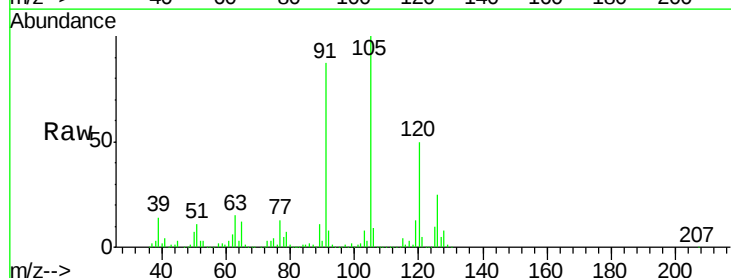
Acq: 04 Jun 2018 13:02

Tgt Ion:105 Resp: 832005

Ion Ratio Lower Upper

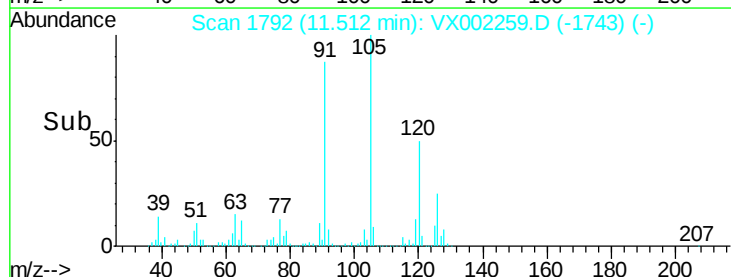
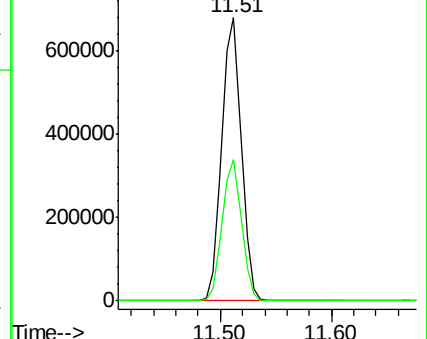
105 100

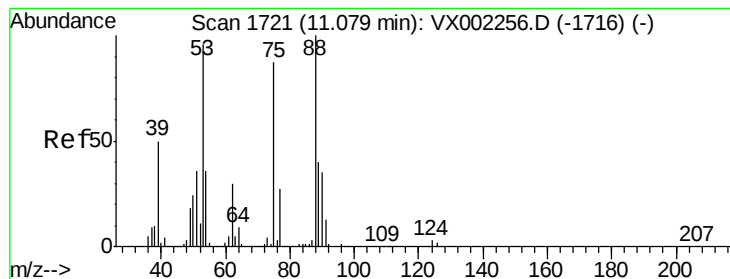
120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.84 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

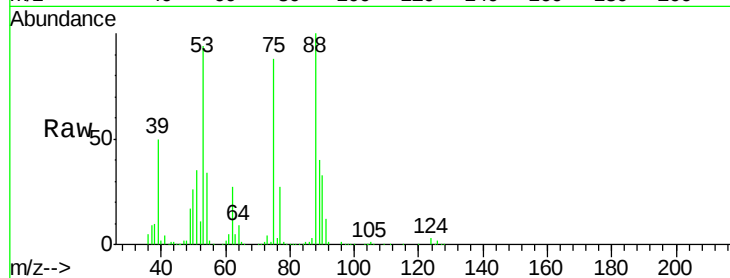
Tot Ion: 75 Resp: 85315

Ion Ratio Lower Upper

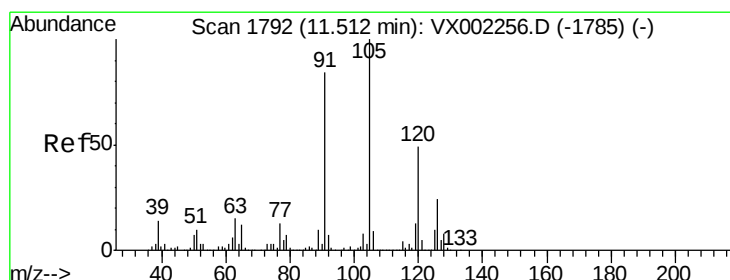
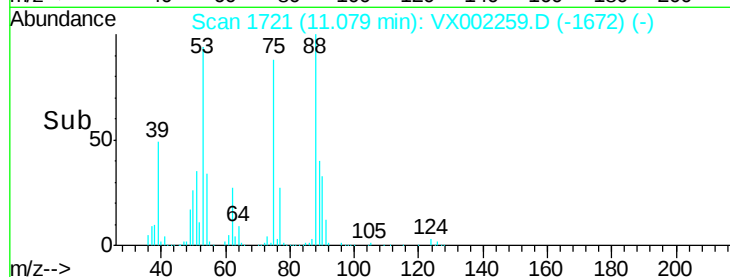
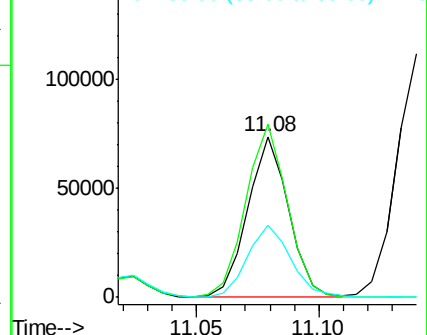
75 100

53 109.9 86.8 130.2

89 48.5 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.95 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX002259.D

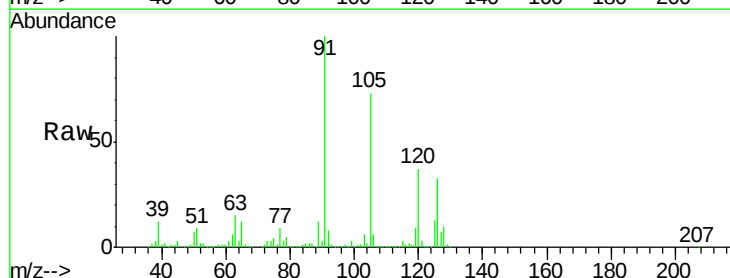
Acq: 04 Jun 2018 13:02

Tgt Ion: 91 Resp: 785539

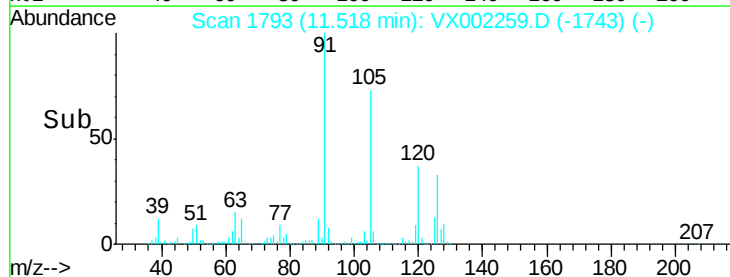
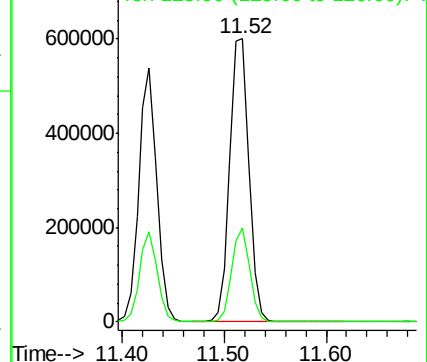
Ion Ratio Lower Upper

91 100

126 30.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

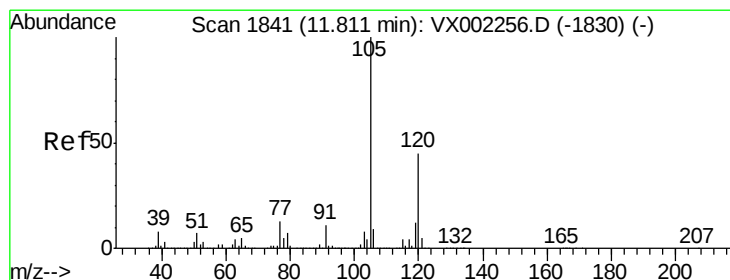
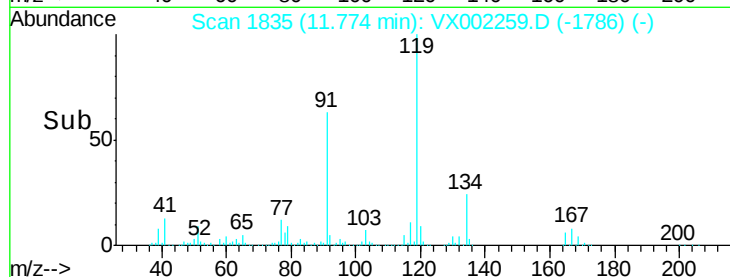
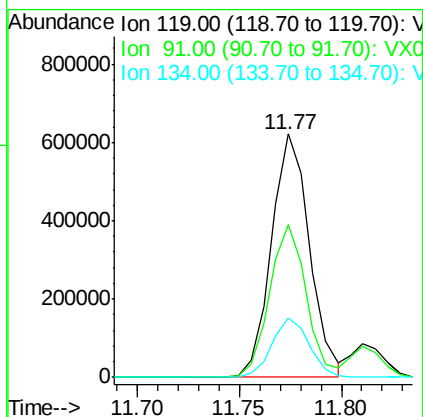
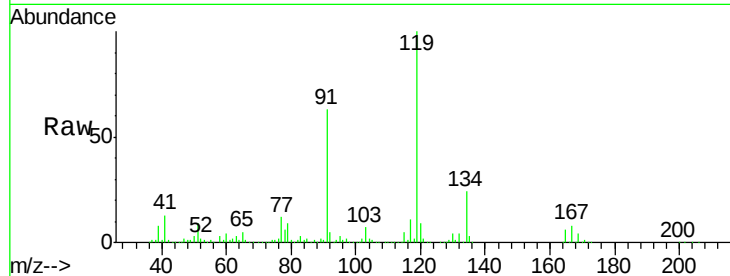




#83
 tert-Butylbenzene
 Concen: 49.85 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

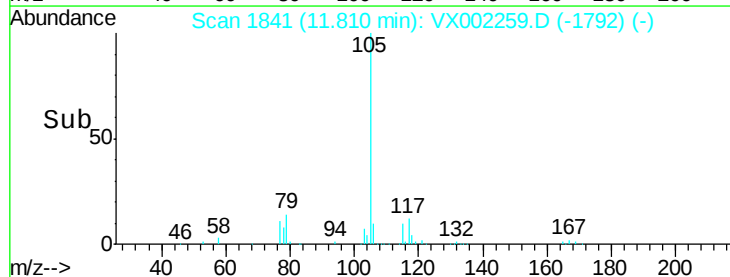
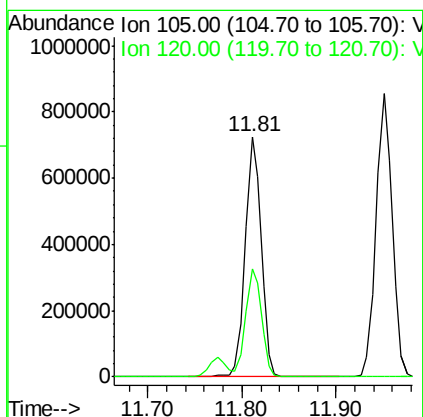
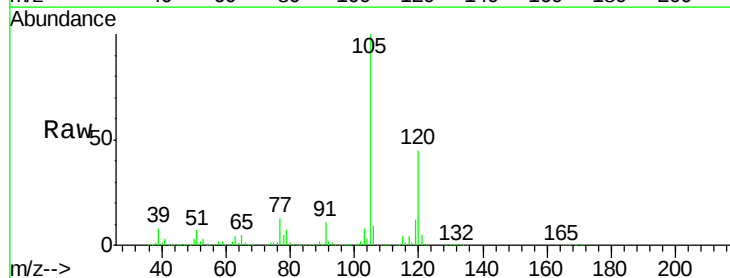
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX060418

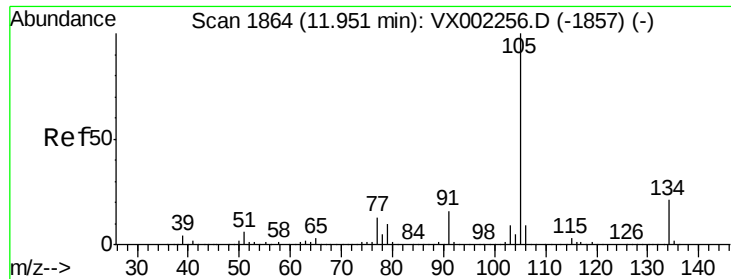
Tot Ion:119 Resp: 808260
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.03 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

Tgt Ion:105 Resp: 857631
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 53.59 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

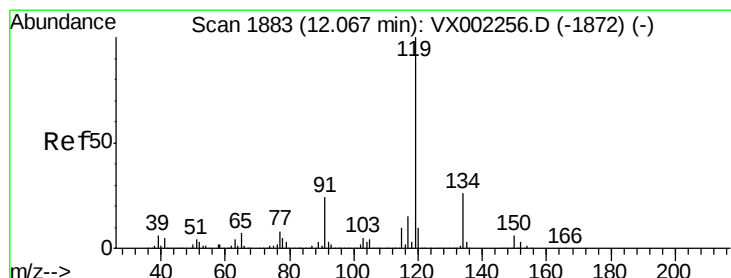
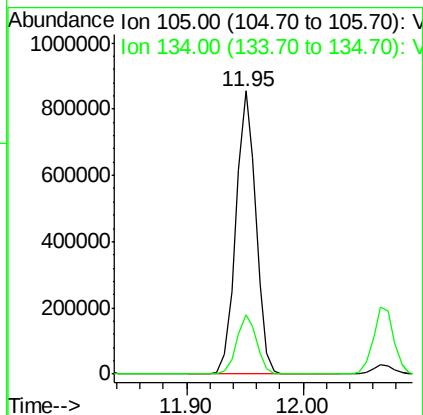
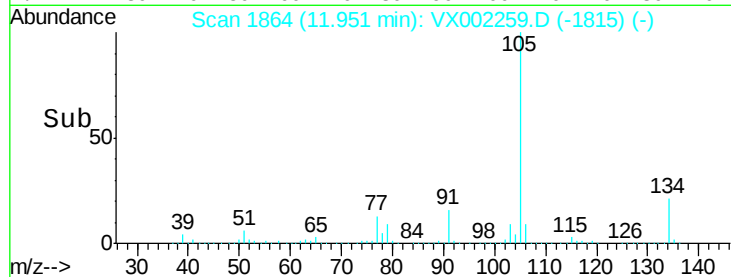
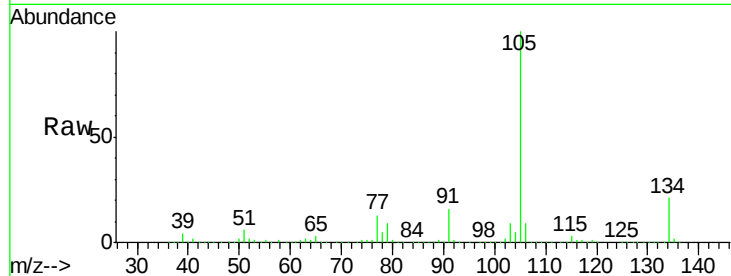
ICVX060418

Tot Ion:105 Resp: 1018669

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



#86

p-Isopropyltoluene

Concen: 53.60 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

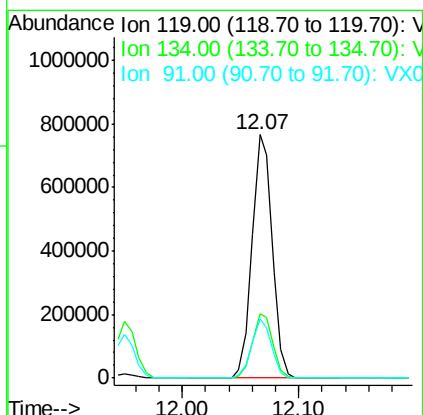
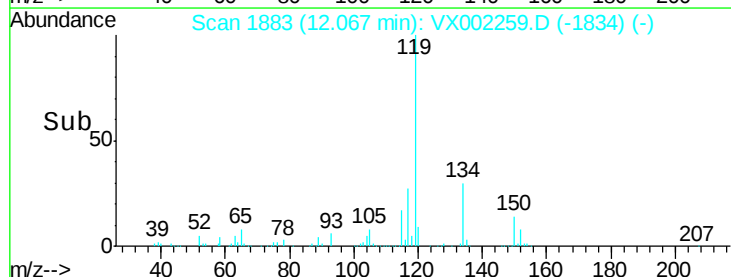
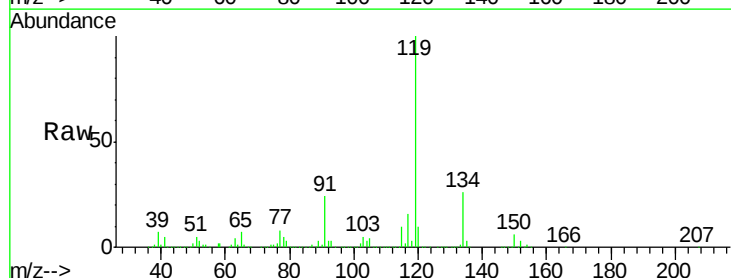
Tgt Ion:119 Resp: 928154

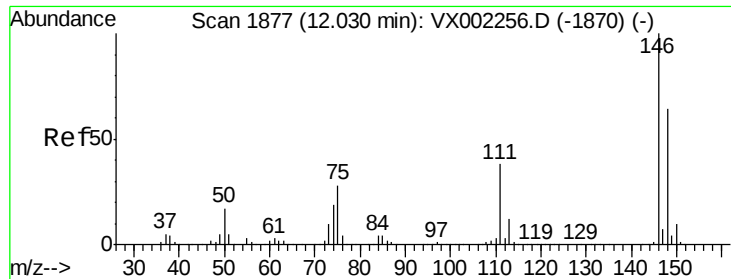
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.9 11.9 35.7

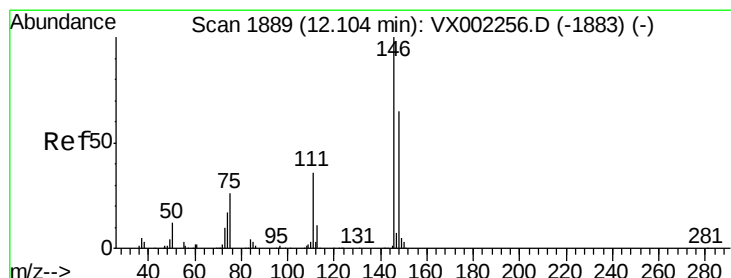
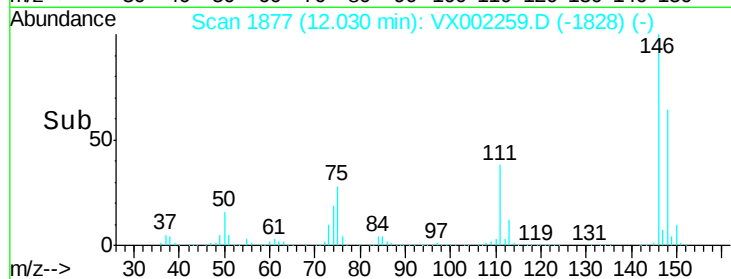
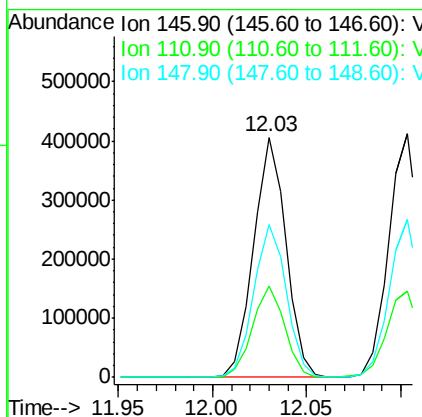
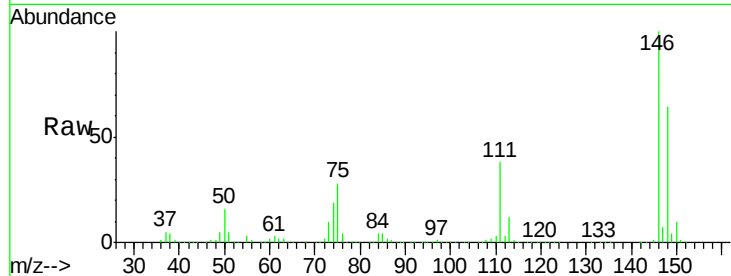




#87
 1,3-Dichlorobenzene
 Concen: 49.68 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

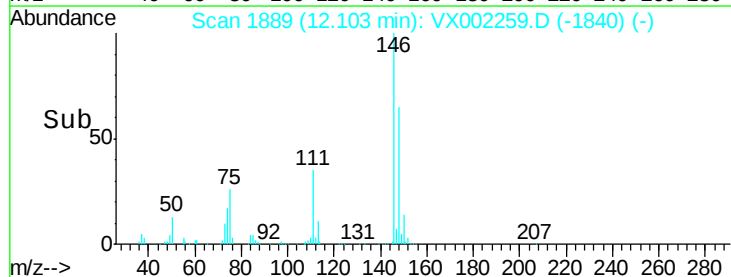
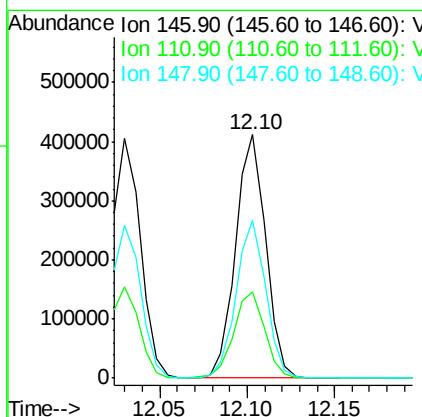
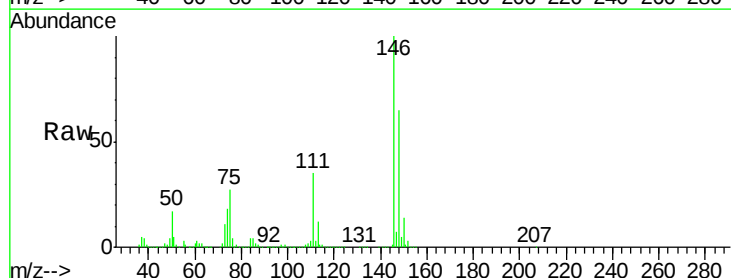
Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX060418

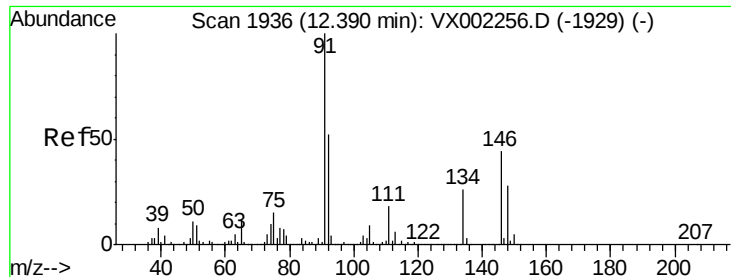
Tot Ion:146 Resp: 484131
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.7
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.18 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

Tgt Ion:146 Resp: 493966
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.7 56.1
 148 63.8 32.4 97.0





#89

n-Butylbenzene

Concen: 57.01 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVX060418

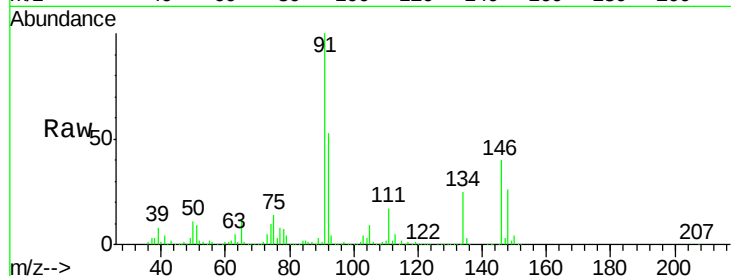
Tot Ion: 91 Resp: 827863

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

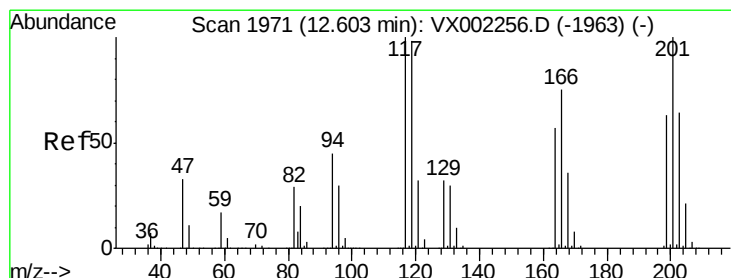
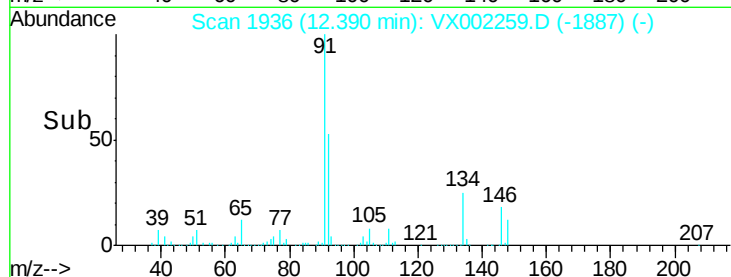
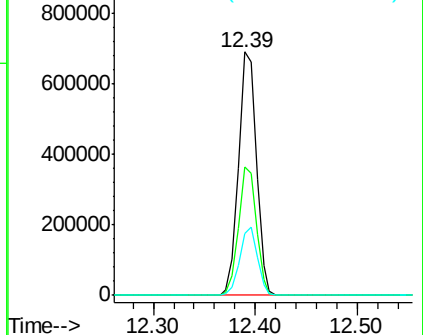
134 27.4 13.5 40.5



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: 52.49 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002259.D

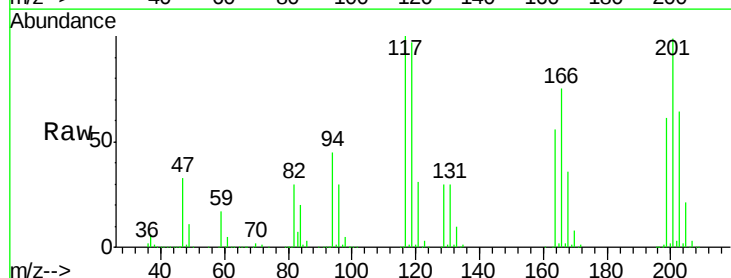
Acq: 04 Jun 2018 13:02

Tgt Ion: 117 Resp: 145070

Ion Ratio Lower Upper

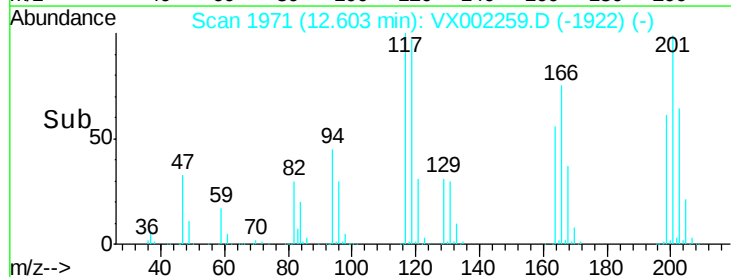
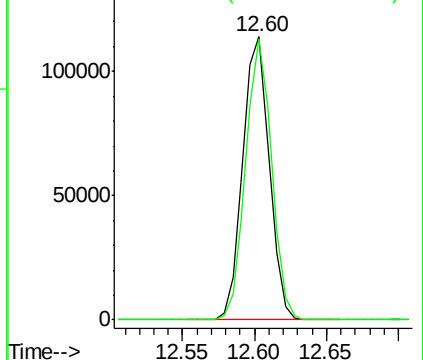
117 100

201 96.7 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 47.41 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

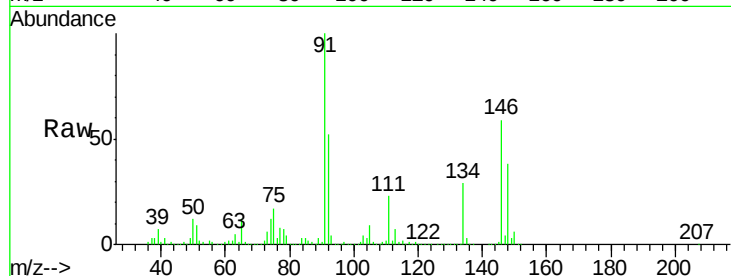
Tot Ion:146 Resp: 478067

Ion Ratio Lower Upper

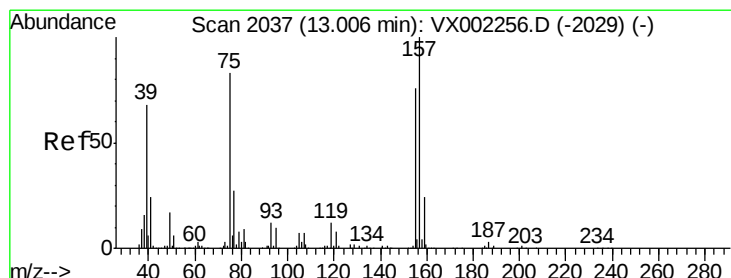
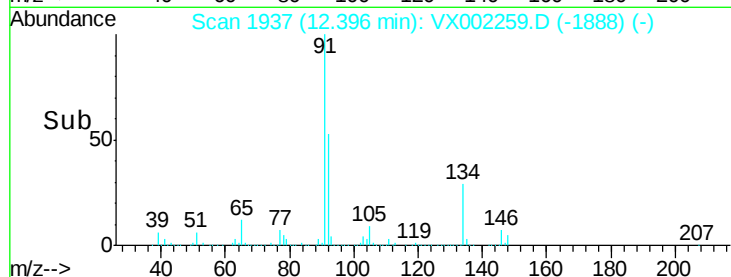
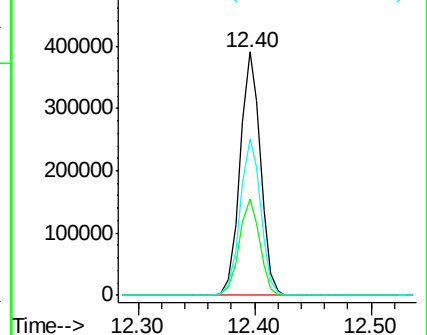
146 100

111 39.5 19.4 58.1

148 64.8 31.7 95.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.29 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

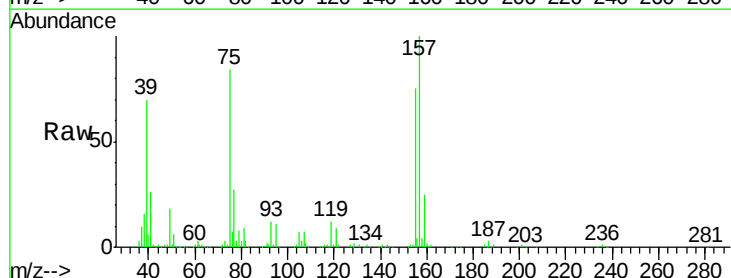
Tgt Ion: 75 Resp: 64484

Ion Ratio Lower Upper

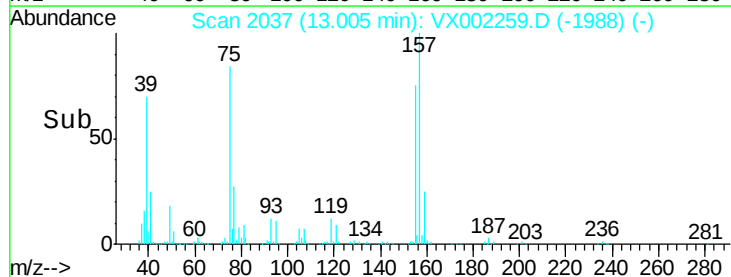
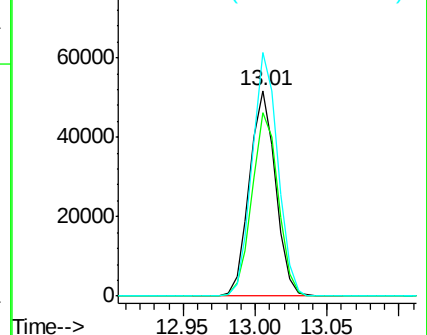
75 100

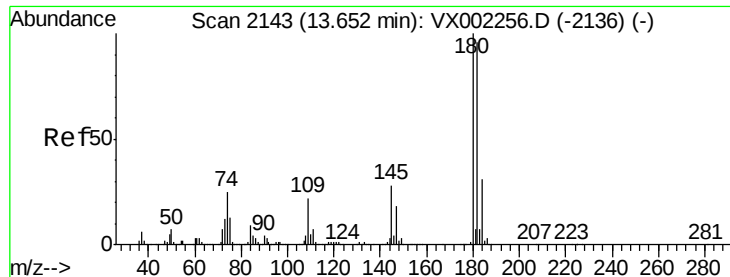
155 89.5 45.8 137.4

157 116.7 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

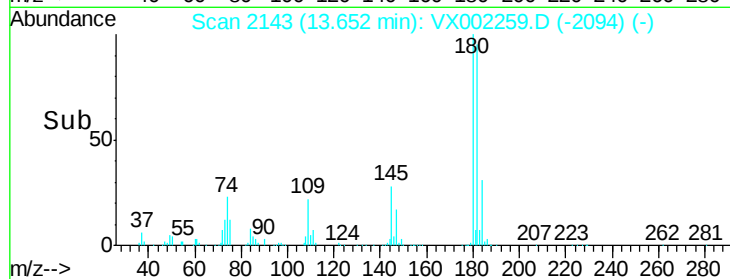
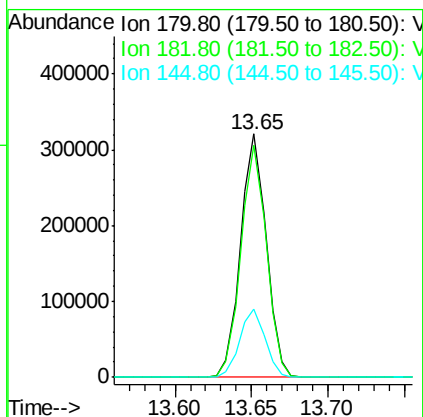
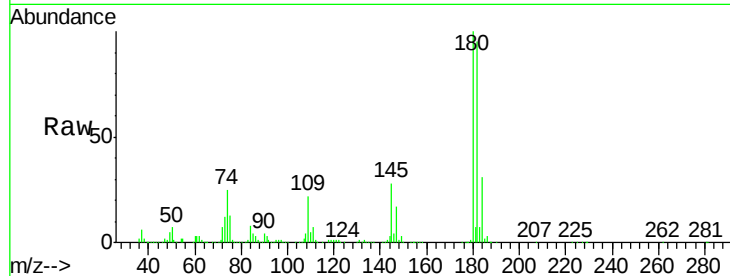




#93
 1,2,4-Trichlorobenzene
 Concen: 52.83 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

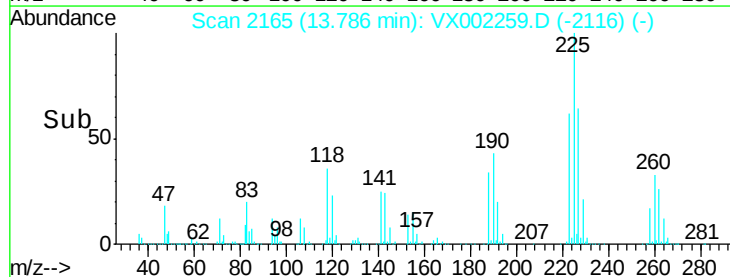
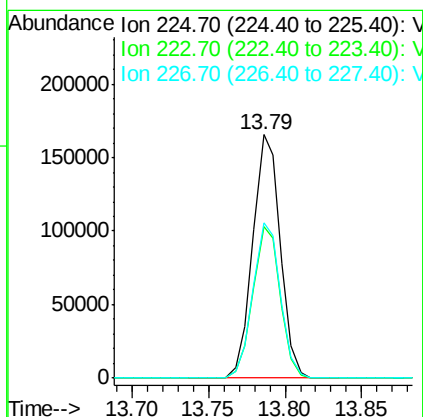
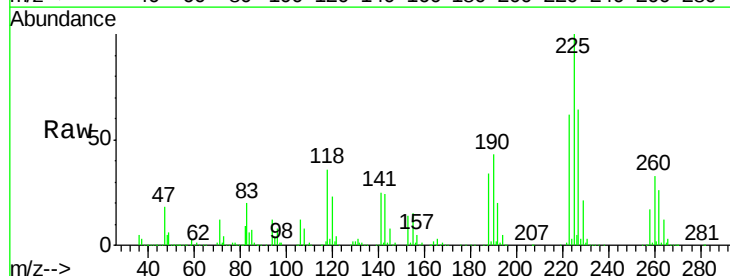
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX060418

Tot Ion:180 Resp: 373528
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.7 143.1
 145 27.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 59.21 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002259.D
 Acq: 04 Jun 2018 13:02

Tgt Ion:225 Resp: 206863
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 95.0
 227 63.5 32.4 97.2





#95

Naphthalene

Concen: 48.70 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

ICVVX060418

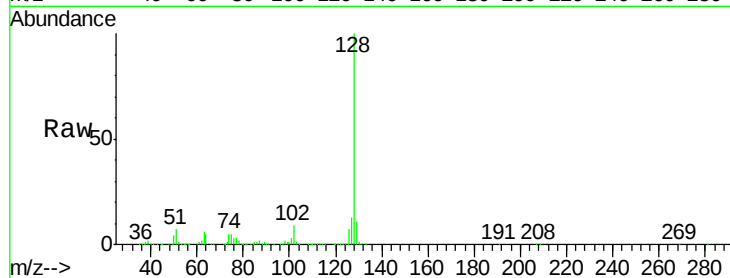
Tot Ion:128 Resp: 989200

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

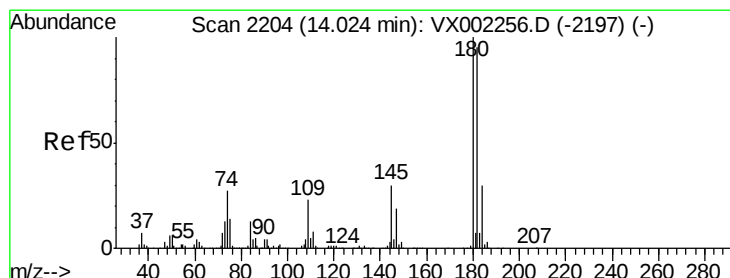
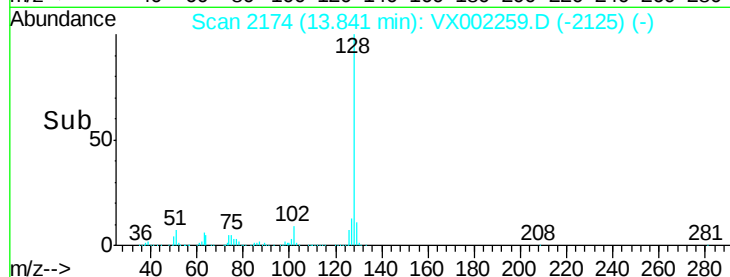
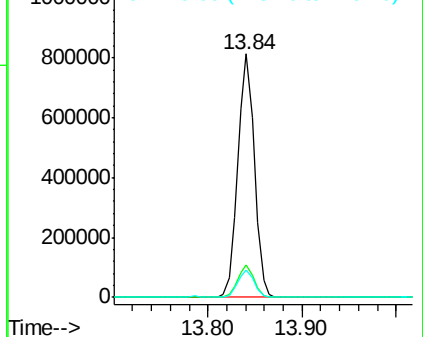
129 10.9 8.6 13.0



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: 51.20 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002259.D

Acq: 04 Jun 2018 13:02

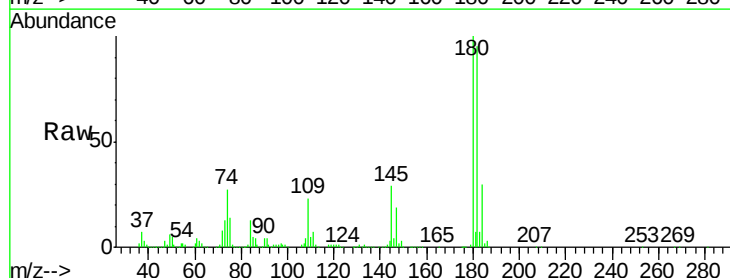
Tgt Ion:180 Resp: 369135

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.0

145 29.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

