

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007927.D
 Acq On : 08 Mar 2019 13:23
 Operator : JC/SP
 Sample : K1802-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: Mar 09 03:47:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	48286	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	256487	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	225299	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	97055	30.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.93%
60) 4-Bromofluorobenzene	11.13	95	101580	28.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.17%
63) Toluene-d8	8.71	98	304007	29.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.27%

Target Compounds

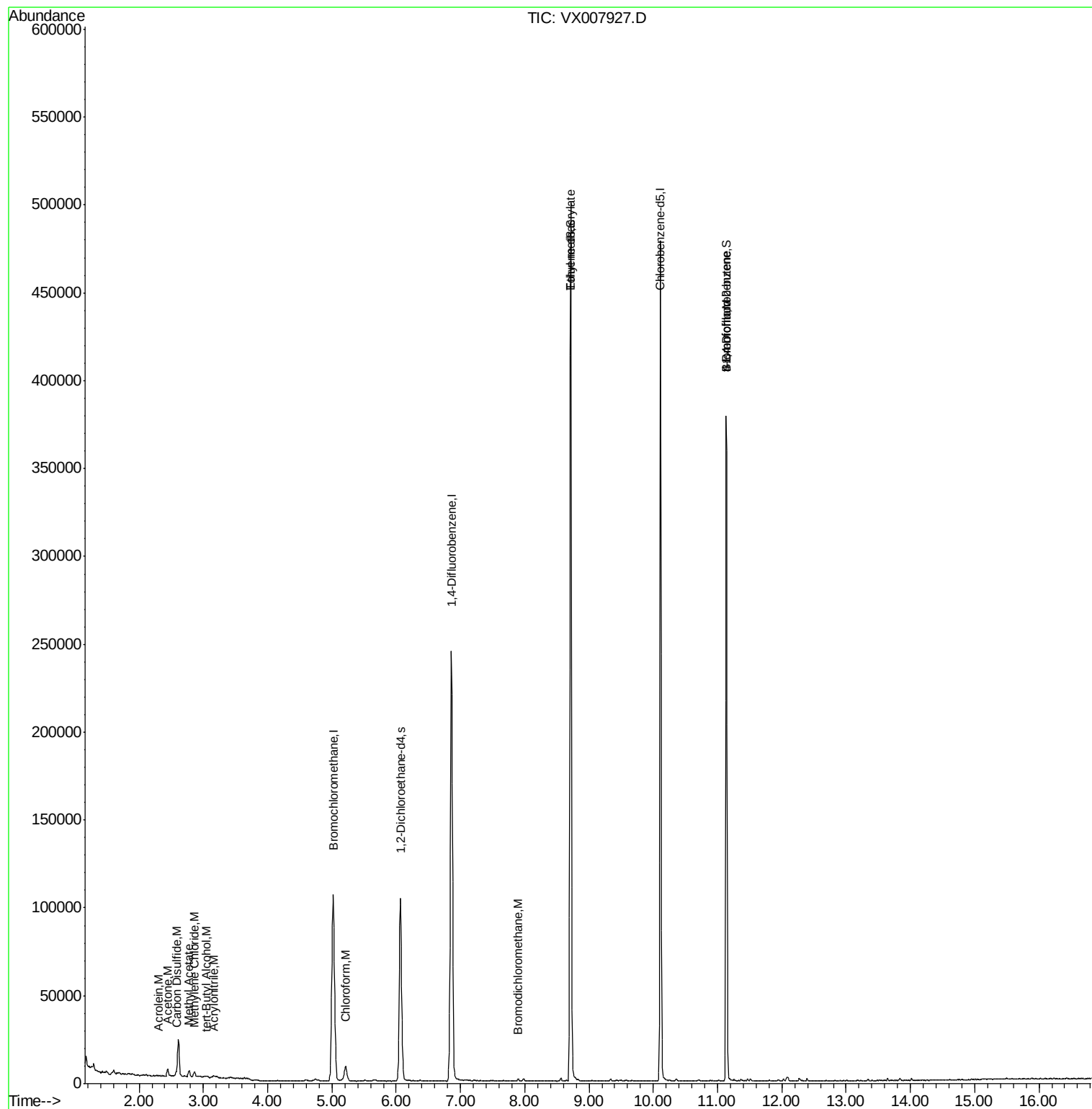
					Ovalue
12) Methyl Acetate	2.78	43	3978	0.898 ug/l	94
13) Acrolein	2.31	56	131	0.252 ug/l #	42
14) Acrylonitrile	3.16	53	424	0.225 ug/l #	80
15) Acetone	2.45	58	1539	2.266 ug/l	93
16) Carbon Disulfide	2.57	76	2699	0.307 ug/l	96
18) Methylene Chloride	2.86	84	1184	0.371 ug/l #	91
23) tert-Butyl Alcohol	3.05	59	192	0.253 ug/l #	1
25) Chloroform	5.21	83	9749	1.807 ug/l	99
41) Bromodichloromethane	7.90	83	799	0.205 ug/l #	85
51) Ethyl methacrylate	8.72	69	1037	0.218 ug/l	76
56) Bromoform	11.14	173	964	0.374 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.13	75	46617	34.473 ug/l #	5

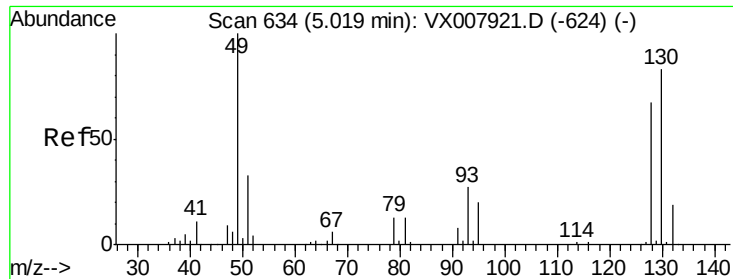
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
Data File : VX007927.D
Acq On : 08 Mar 2019 13:23
Operator : JC/SP
Sample : K1802-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Quant Time: Mar 09 03:47:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

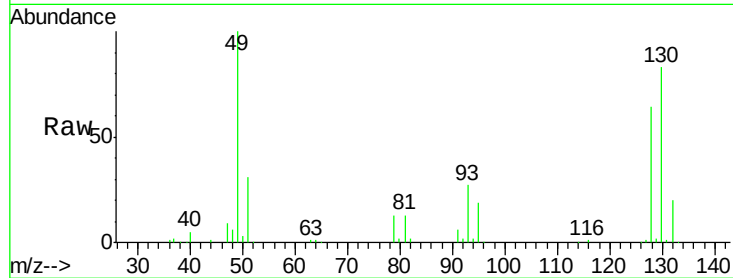
Tot Ion:128 Resp: 48286

Ion Ratio Lower Upper

128 100

49 158.6 0.0 350.8

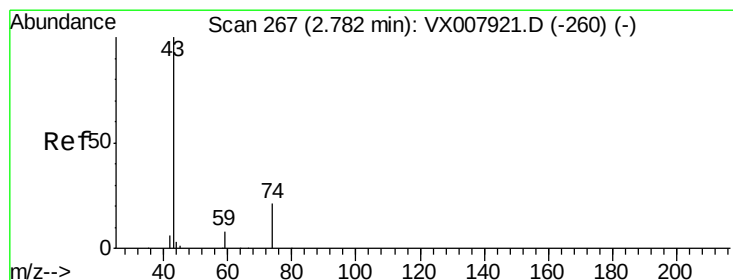
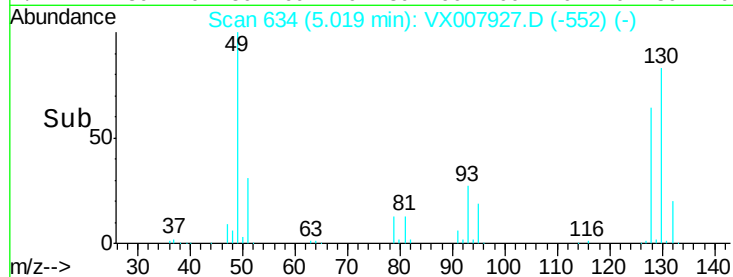
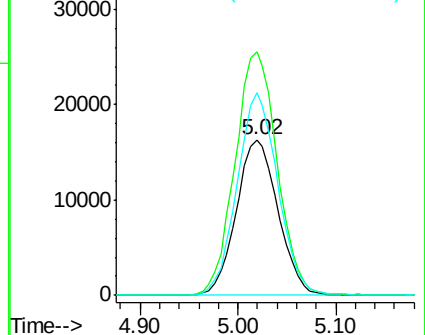
130 127.1 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.898 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007927.D

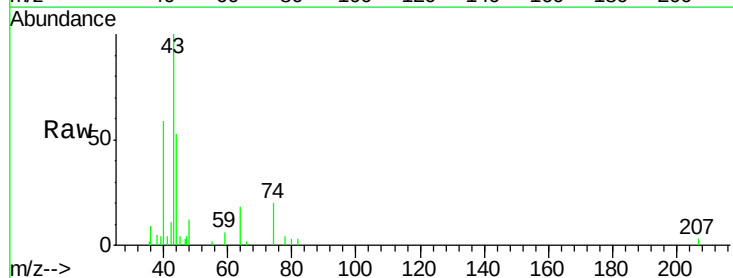
Acq: 08 Mar 2019 13:23

Tgt Ion: 43 Resp: 3978

Ion Ratio Lower Upper

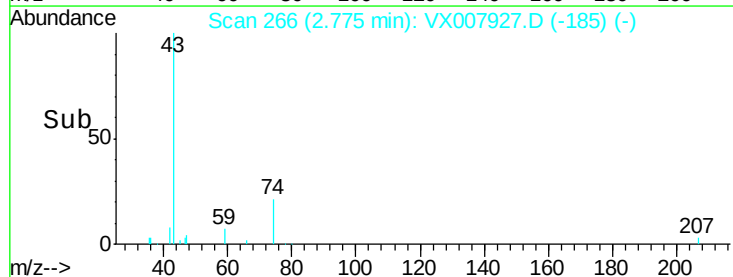
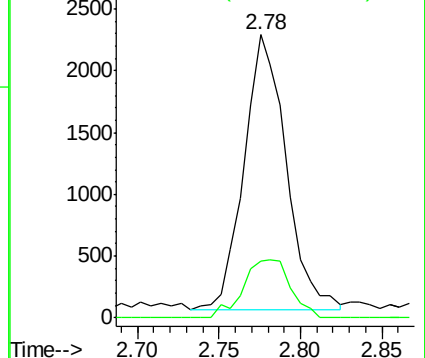
43 100

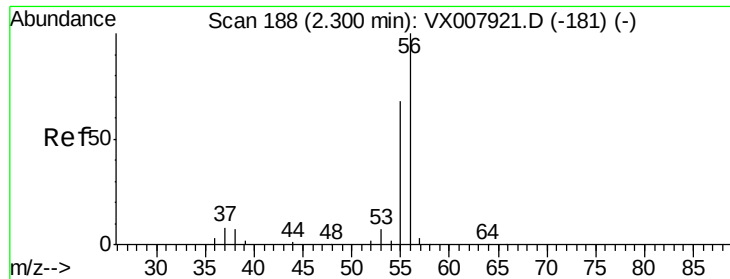
74 21.1 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 0.252 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

Instrument :

MSVOA_X

ClientSampled :

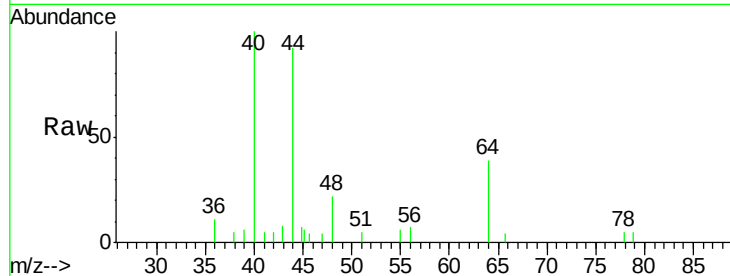
SPDES-1

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

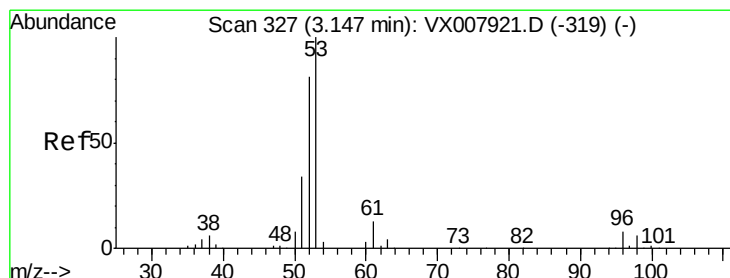
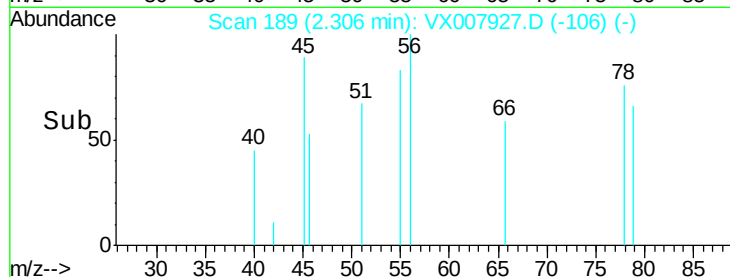
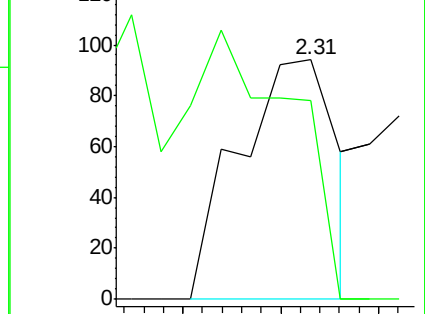
56 100

55 24.4 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

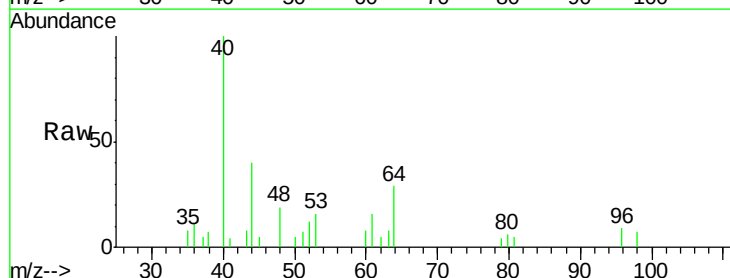
Tgt Ion: 53 Resp: 424

Ion Ratio Lower Upper

53 100

52 92.7 41.3 124.1

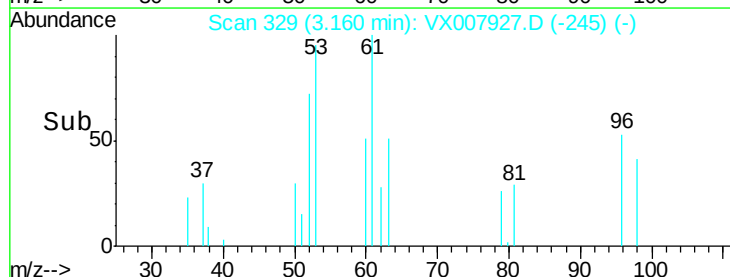
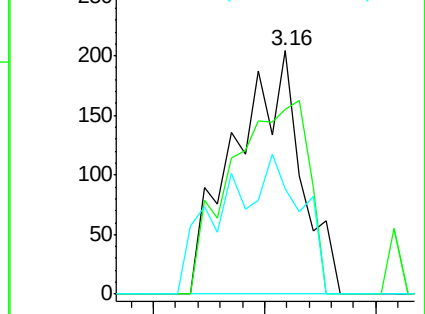
51 12.3 17.5 52.6#

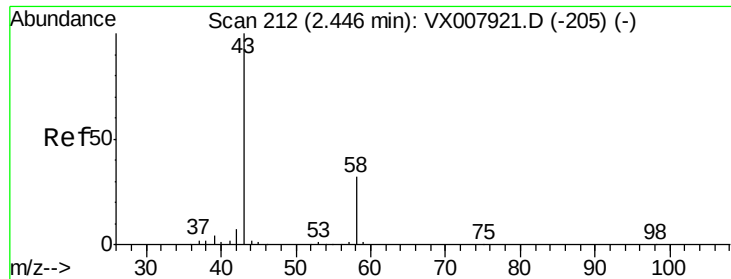


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 2.266 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

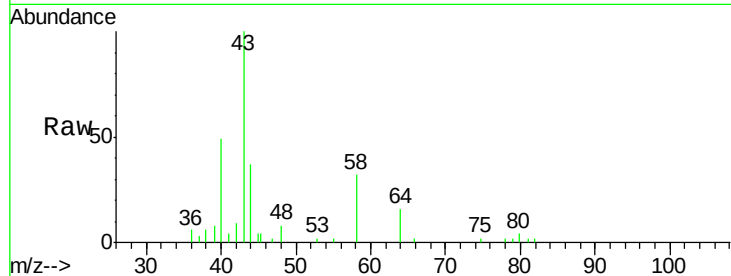
SPDES-1

Tot Ion: 58 Resp: 1539

Ion Ratio Lower Upper

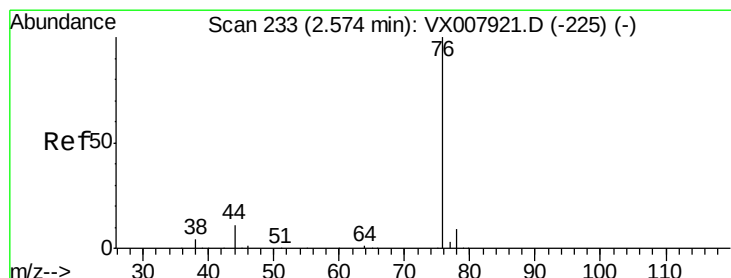
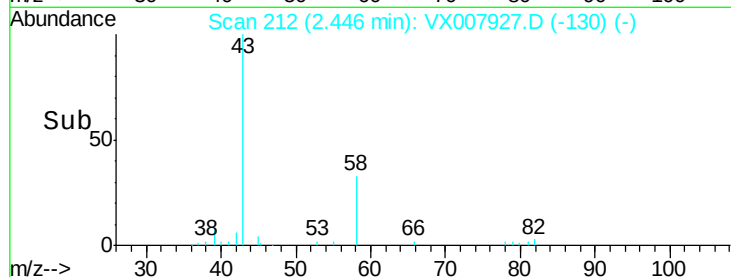
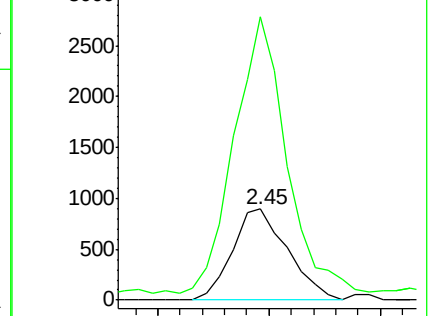
58 100

43 297.2 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.307 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007927.D

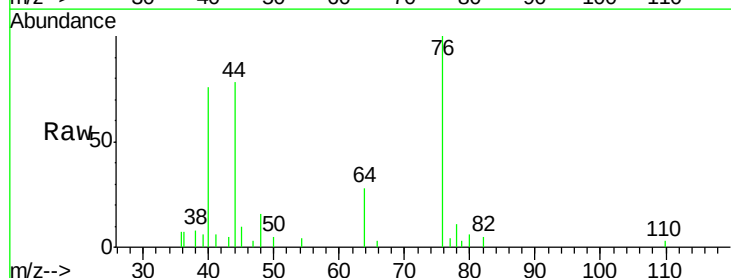
Acq: 08 Mar 2019 13:23

Tgt Ion: 76 Resp: 2699

Ion Ratio Lower Upper

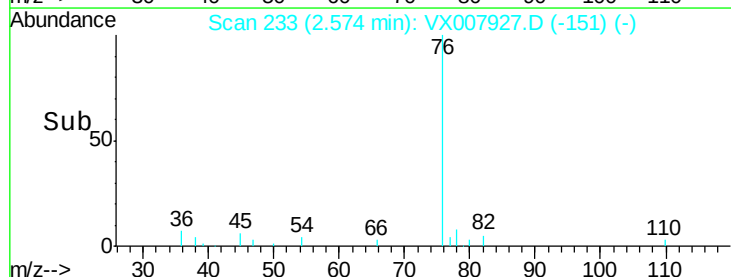
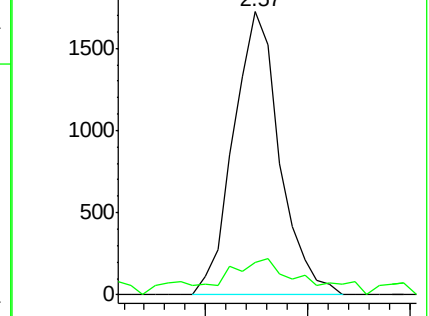
76 100

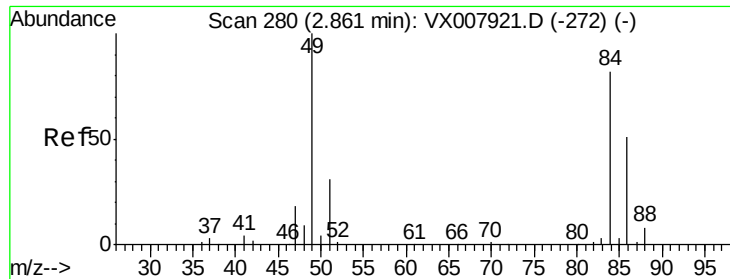
78 7.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

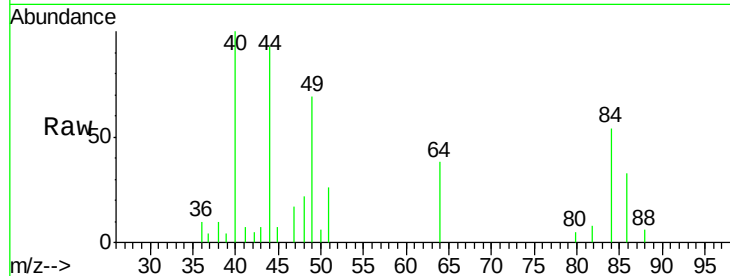




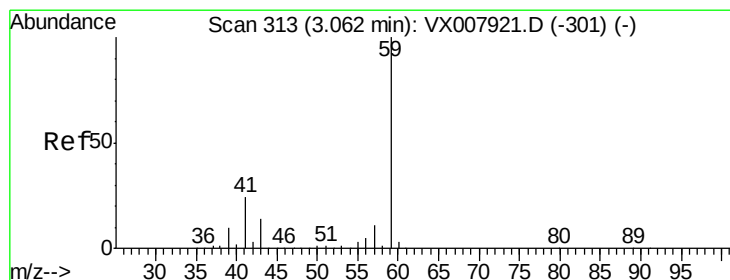
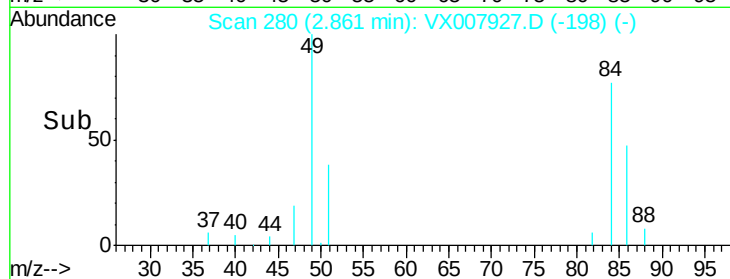
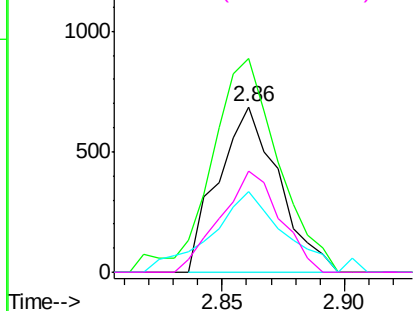
#18
Methvlene Chloride
Concen: 0.371 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007927.D
Acq: 08 Mar 2019 13:23

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Tot Ion: 84 Resp: 1184
Ion Ratio Lower Upper
84 100
49 129.3 96.1 144.1
51 48.7 29.1 43.7#
86 61.1 47.3 70.9

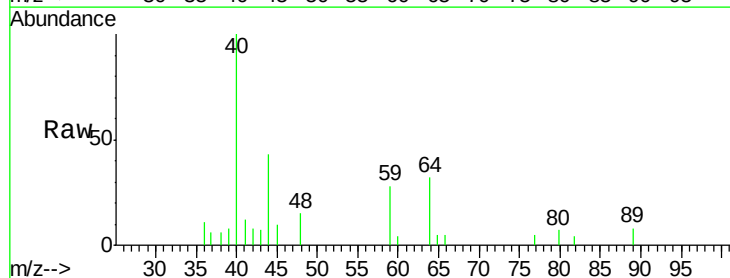


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

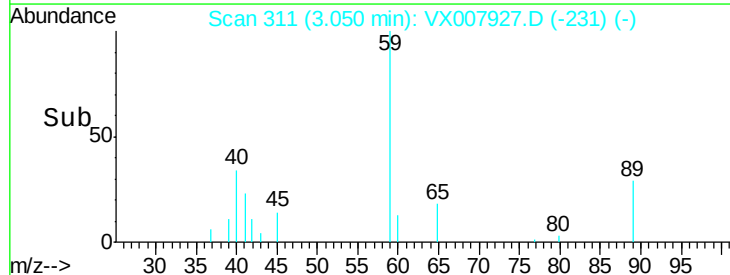
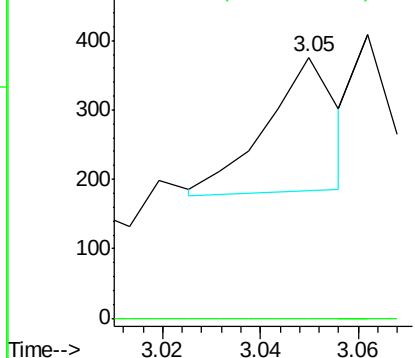


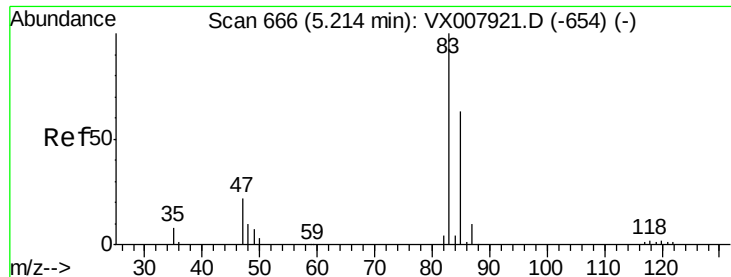
#23
tert-Butyl Alcohol
Concen: 0.253 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX007927.D
Acq: 08 Mar 2019 13:23

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
52 204.7 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

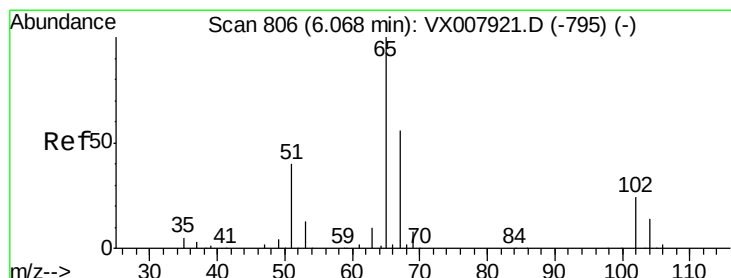
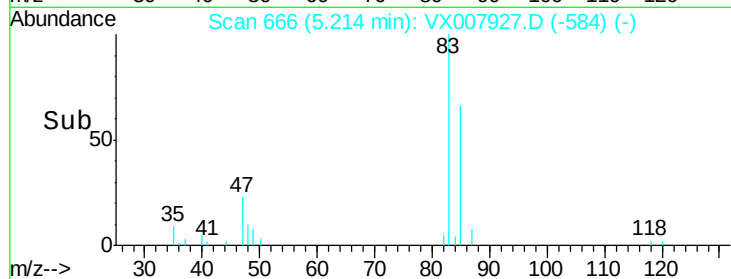
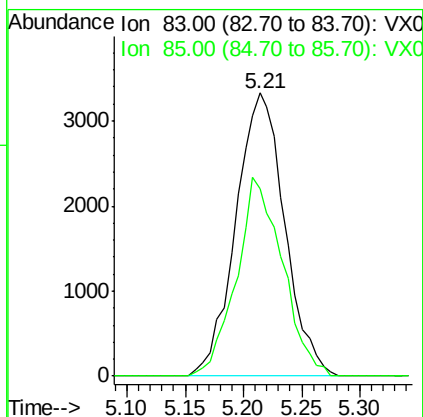
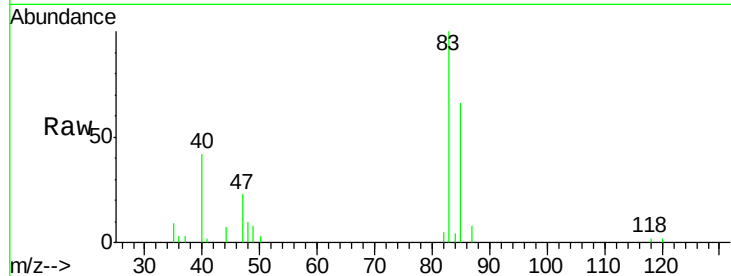




#25
Chloroform
Concen: 1.807 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007927.D
Acq: 08 Mar 2019 13:23

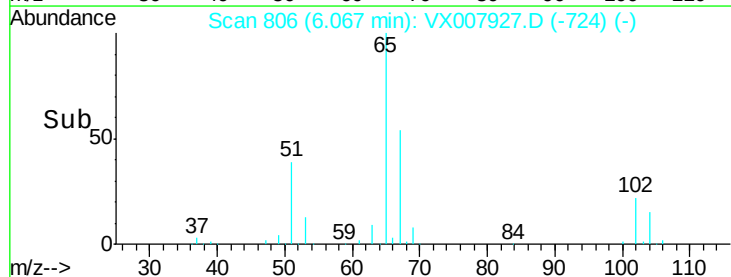
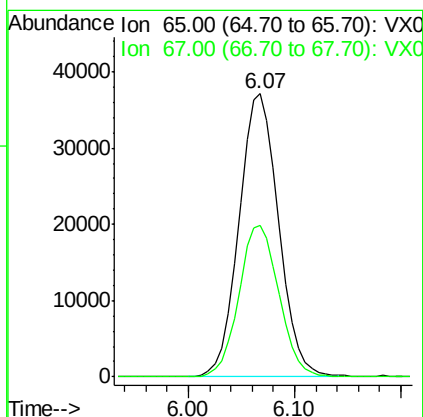
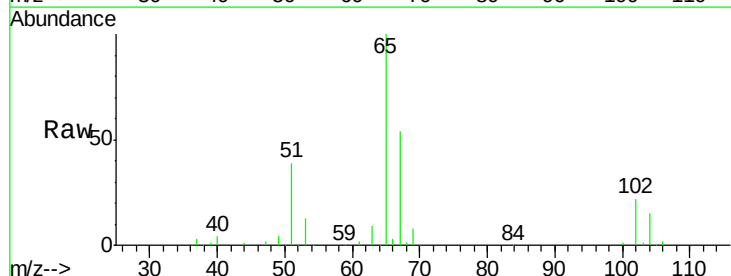
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

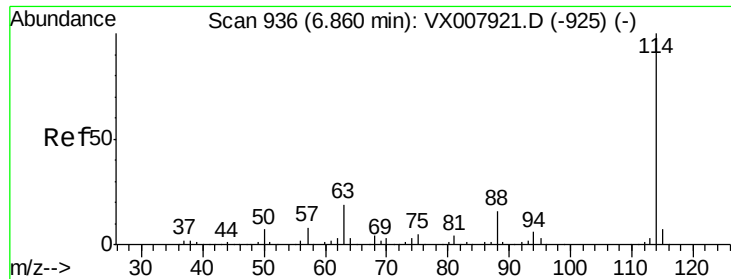
Tot Ion: 83 Resp: 9749
Ion Ratio Lower Upper
83 100
85 66.2 53.8 80.6



#27
1,2-Dichloroethane-d4
Concen: 30.580 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007927.D
Acq: 08 Mar 2019 13:23

Tgt Ion: 65 Resp: 97055
Ion Ratio Lower Upper
65 100
67 54.0 42.9 64.3

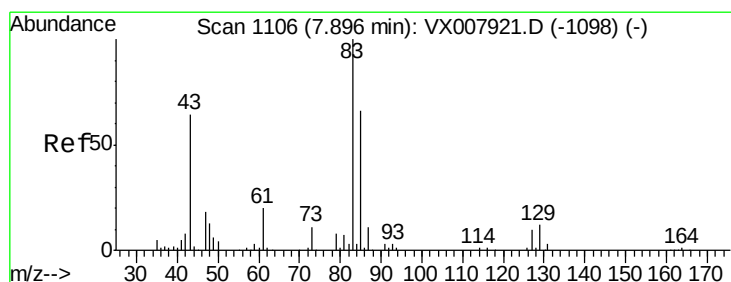
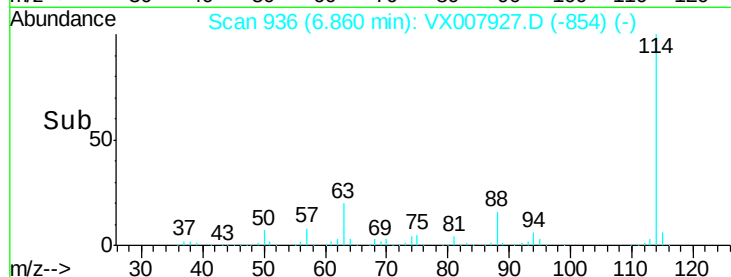
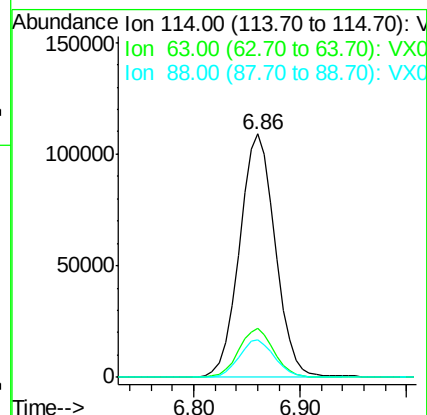
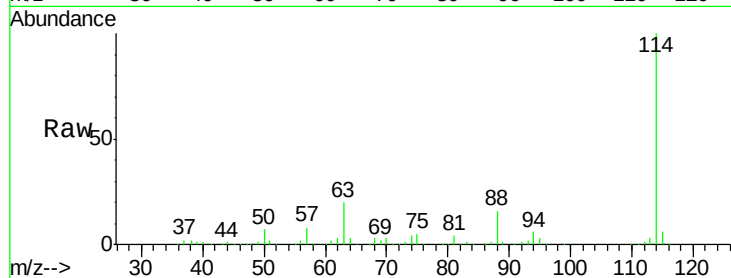




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007927.D
 Acq: 08 Mar 2019 13:23

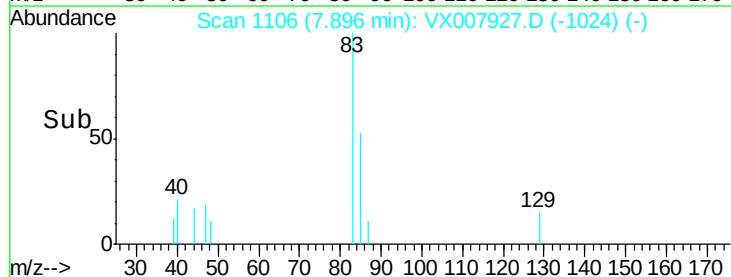
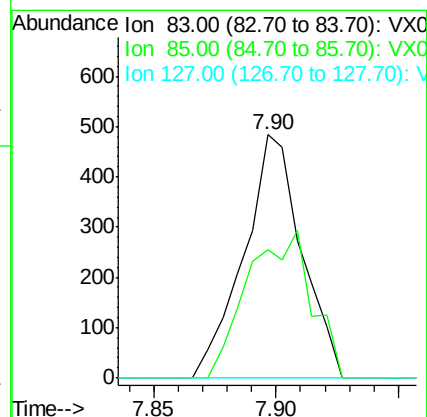
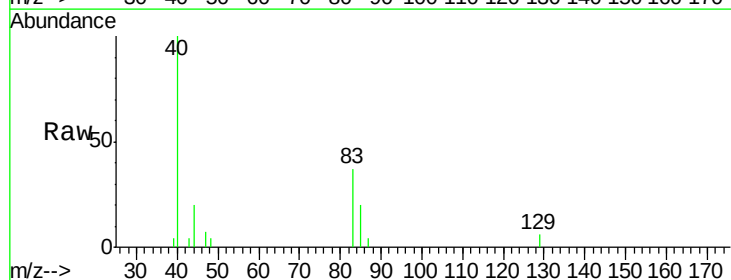
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

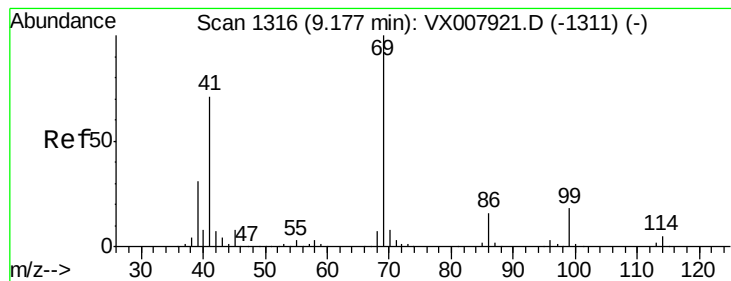
Tot Ion:114 Resp: 256487
 Ion Ratio Lower Upper
 114 100
 63 19.8 14.2 21.4
 88 15.3 11.9 17.9



#41
 Bromodichloromethane
 Concen: 0.205 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX007927.D
 Acq: 08 Mar 2019 13:23

Tgt Ion: 83 Resp: 799
 Ion Ratio Lower Upper
 83 100
 85 52.9 51.1 76.7
 127 0.0 7.2 10.8#





#51

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

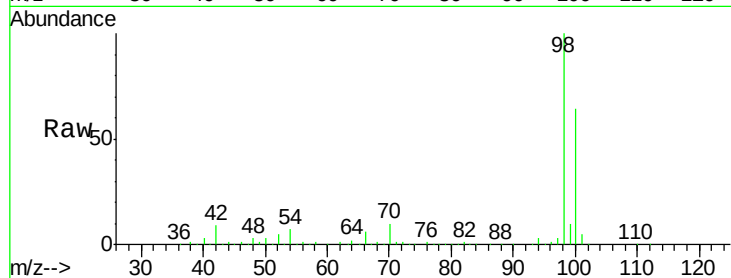
Tot Ion: 69 Resp: 1037

Ion Ratio Lower Upper

69 100

41 86.9 32.1 96.5

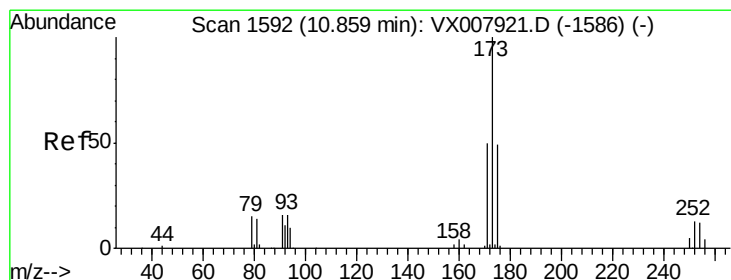
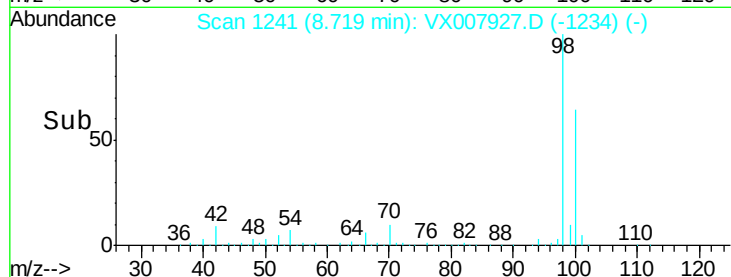
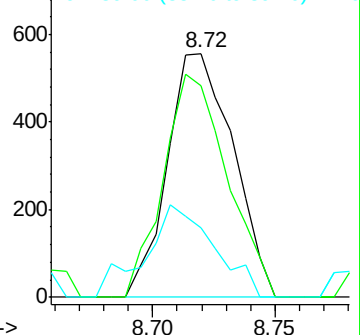
39 28.4 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#56

Bromoform

Concen: 0.374 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.28 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

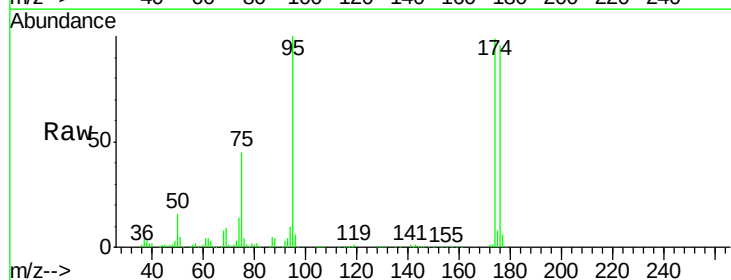
Tgt Ion: 173 Resp: 964

Ion Ratio Lower Upper

173 100

175 732.9 38.5 57.7#

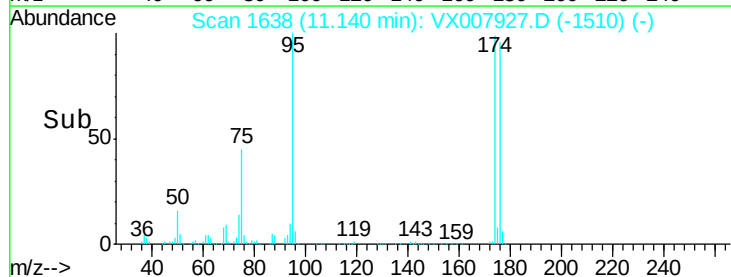
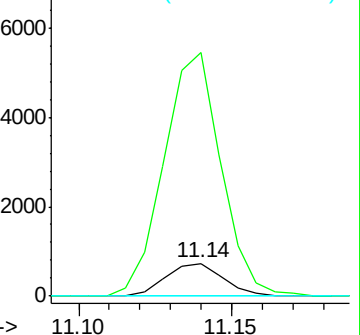
254 0.0 7.4 11.2#

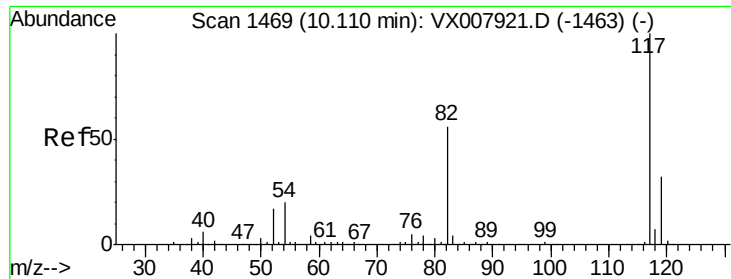


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

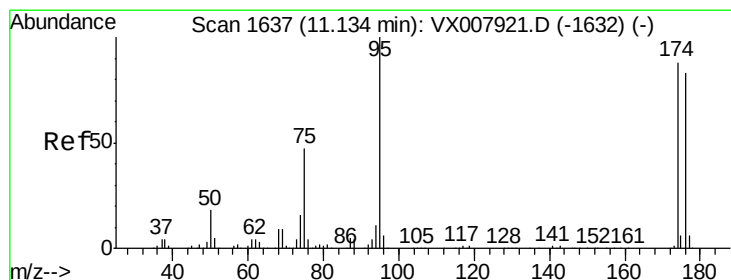
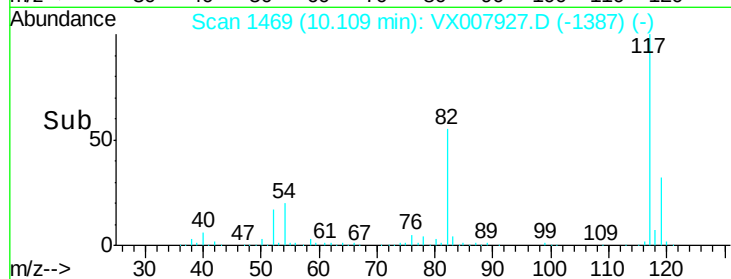
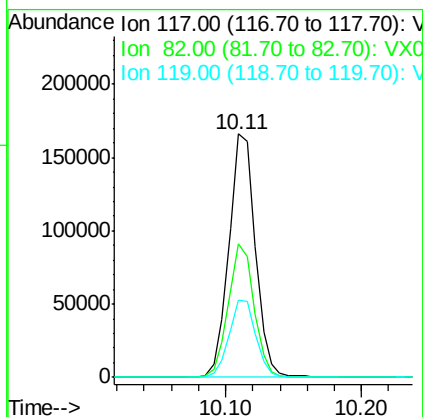
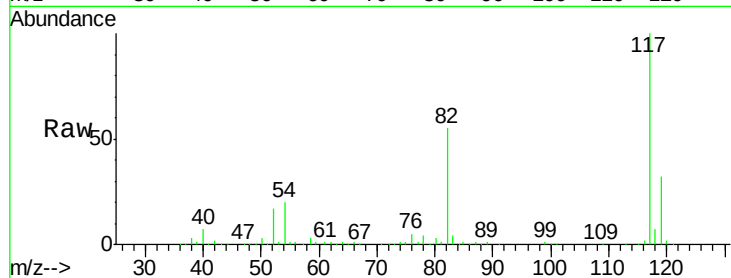




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007927.D
Acq: 08 Mar 2019 13:23

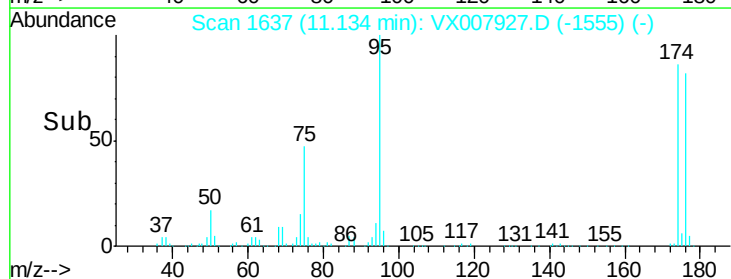
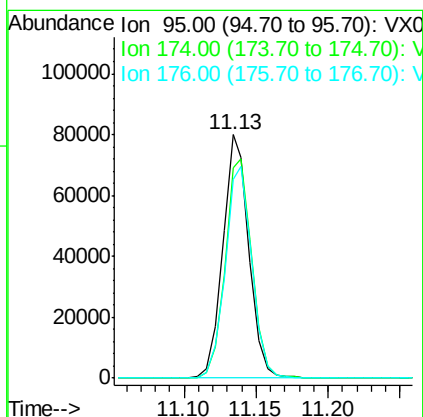
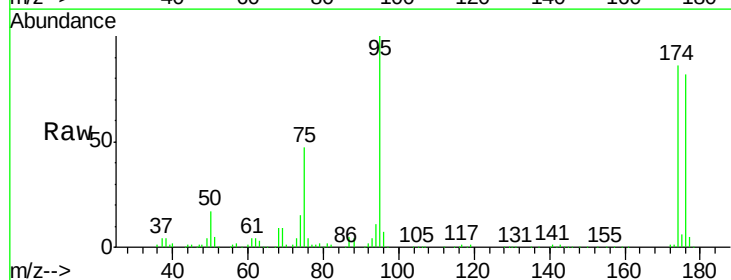
Instrument :
MSVOA_X
ClientSampled :
SPDES-1

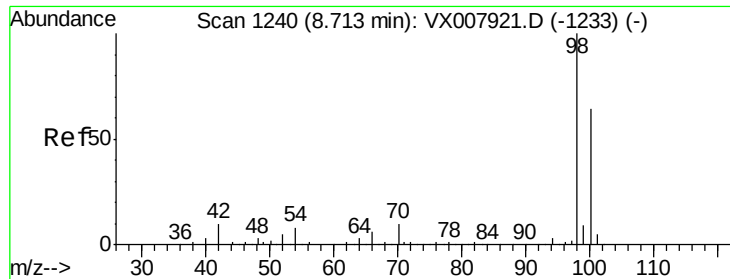
Tot Ion:117 Resp: 225299
Ion Ratio Lower Upper
117 100
82 53.5 40.4 60.6
119 32.2 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.248 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007927.D
Acq: 08 Mar 2019 13:23

Tgt Ion: 95 Resp: 101580
Ion Ratio Lower Upper
95 100
174 92.4 74.9 112.3
176 89.3 70.7 106.1





#63

Toluene-d8

Concen: 29.485 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

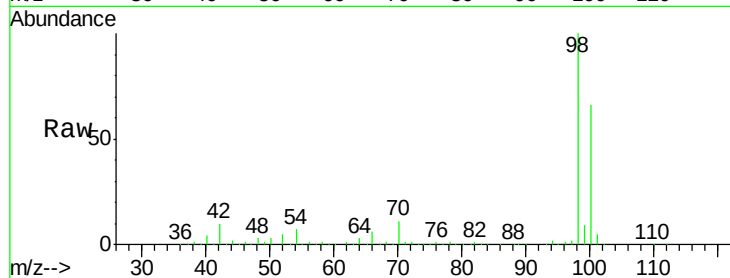
SPDES-1

Tot Ion: 98 Resp: 304007

Ion Ratio Lower Upper

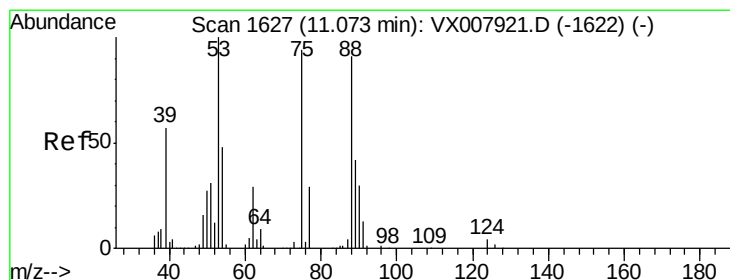
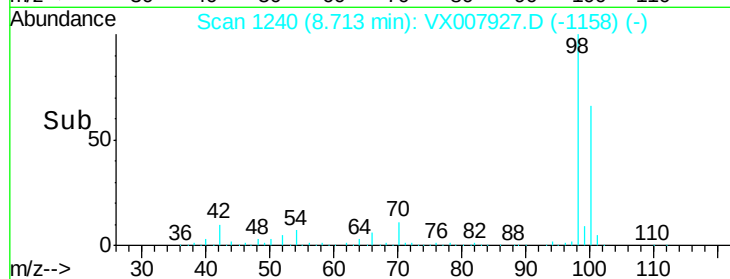
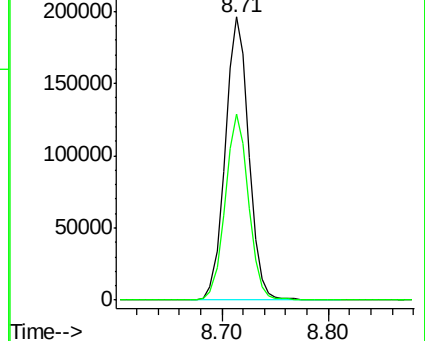
98 100

100 64.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 34.473 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007927.D

Acq: 08 Mar 2019 13:23

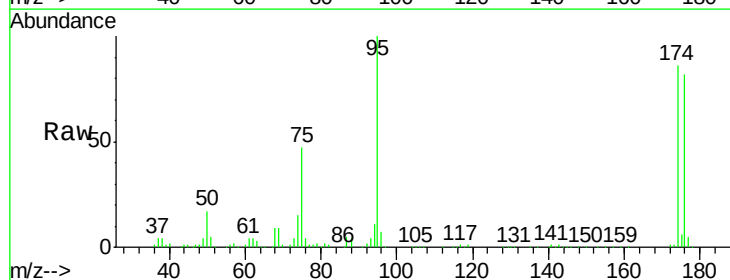
Tgt Ion: 75 Resp: 46617

Ion Ratio Lower Upper

75 100

53 0.0 55.5 166.7#

89 0.0 24.4 73.2#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

