

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009959.D
 Acq On : 30 May 2019 14:41
 Operator : JC/SP
 Sample : K3094-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0656

Quant Time: May 31 06:46:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119186	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	5.50	113	86307	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	355627	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	120480	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

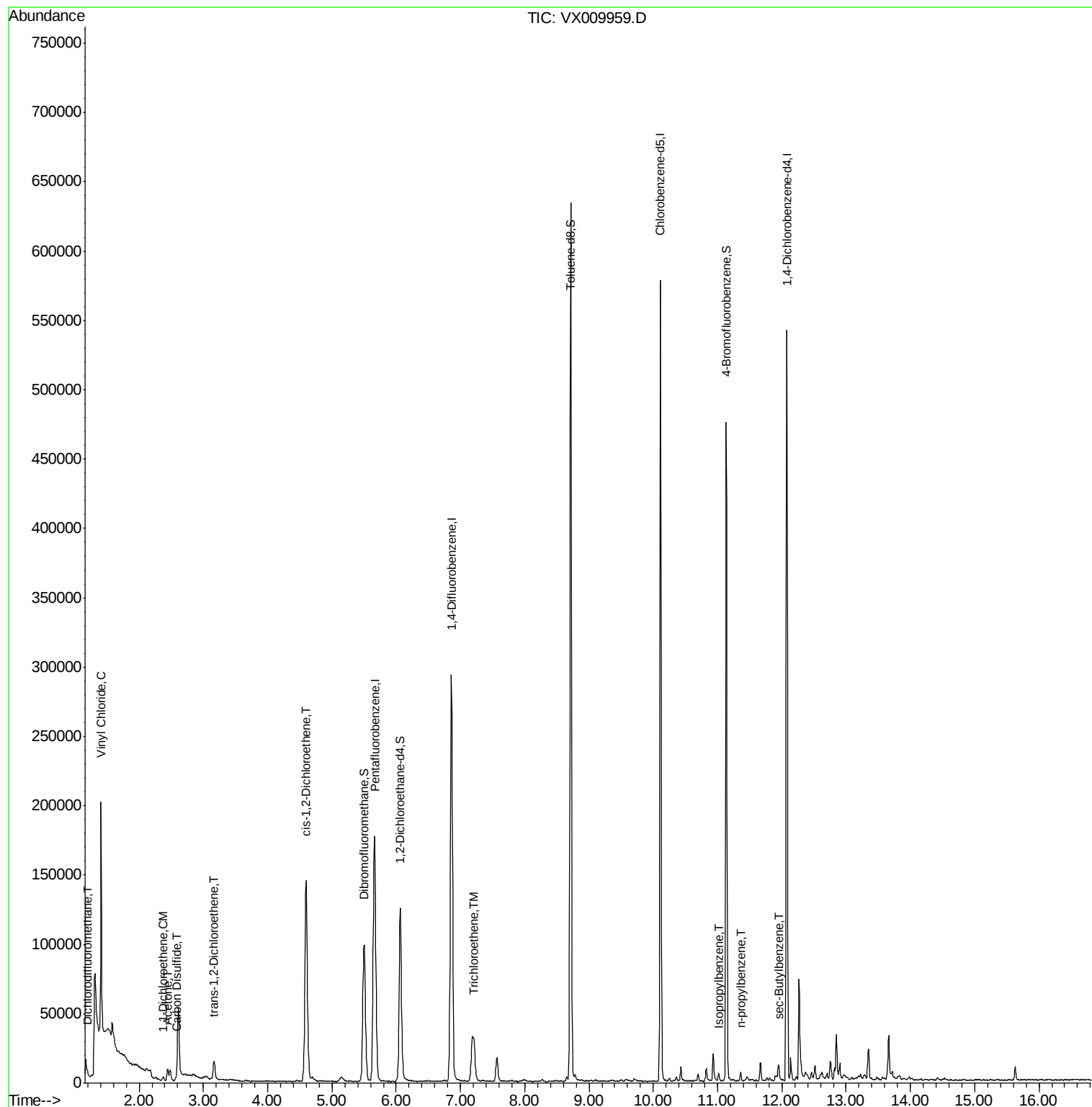
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1051	0.490	ug/l	98
4) Vinyl Chloride	1.41	62	111943	43.084	ug/l	95
12) 1,1-Dichloroethene	2.37	96	857	0.482	ug/l #	78
16) Acetone	2.45	43	10073	7.034	ug/l	99
17) Carbon Disulfide	2.57	76	4855	1.280	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	5163	2.612	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	88108	38.608	ug/l	88
44) Trichloroethene	7.21	130	8479	4.191	ug/l	90
73) Isopropylbenzene	11.02	105	2222	0.274	ug/l	99
78) n-propylbenzene	11.36	91	3629	0.388	ug/l	97
85) sec-Butylbenzene	11.94	105	2722	0.350	ug/l #	71

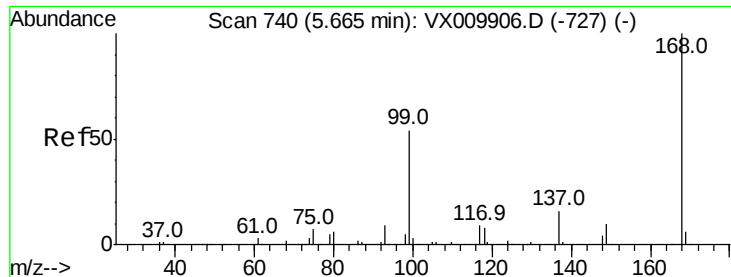
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX053019\
Data File : VX009959.D
Acq On : 30 May 2019 14:41
Operator : JC/SP
Sample : K3094-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S32-0656

Quant Time: May 31 06:46:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

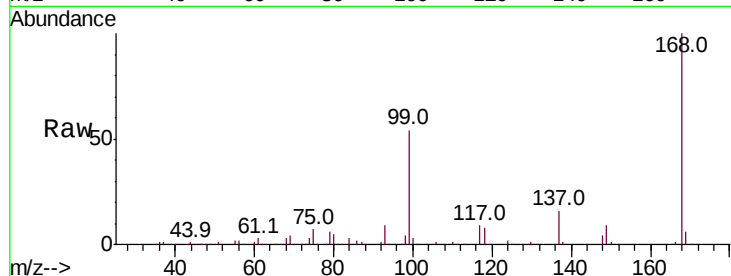
S32-0656

Tot Ion:168 Resp: 175449

Ion Ratio Lower Upper

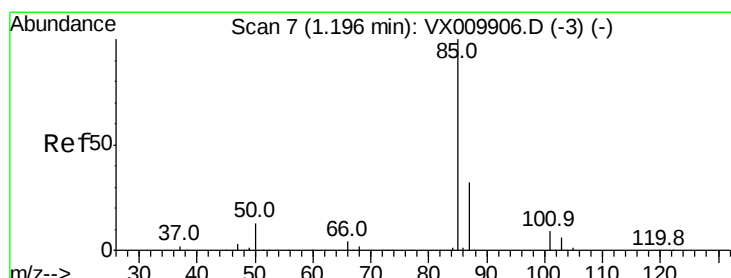
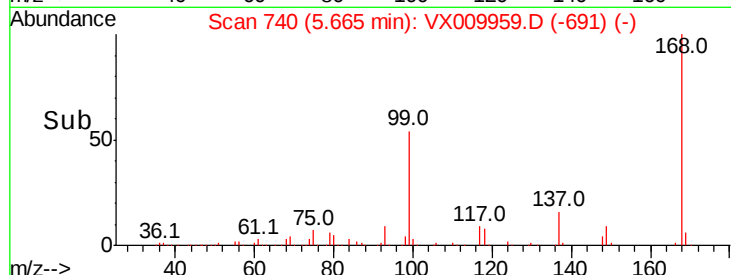
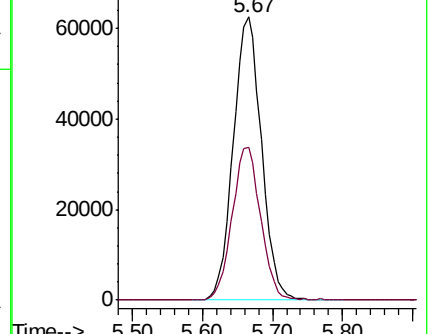
168 100

99 53.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.490 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009959.D

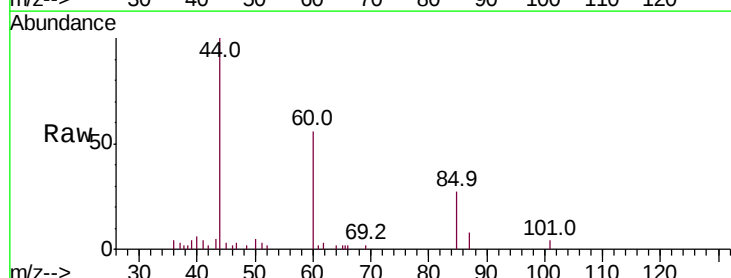
Acq: 30 May 2019 14:41

Tgt Ion: 85 Resp: 1051

Ion Ratio Lower Upper

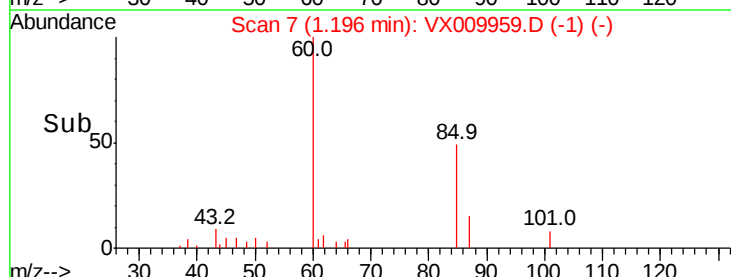
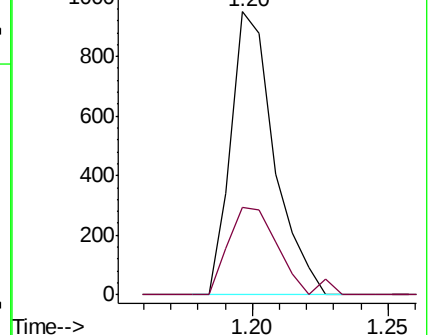
85 100

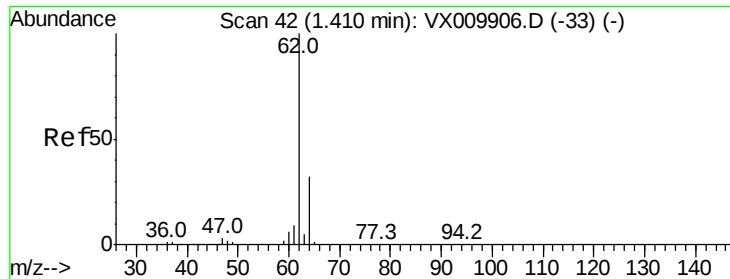
87 30.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 43.084 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

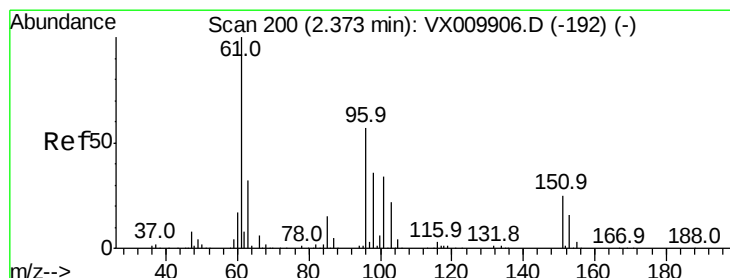
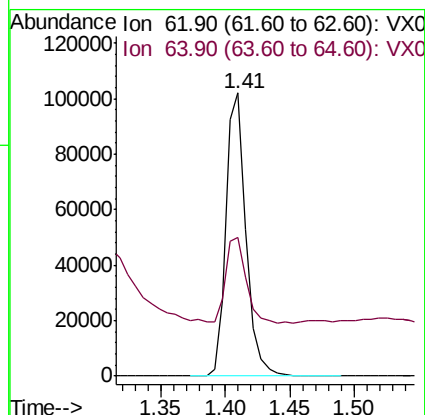
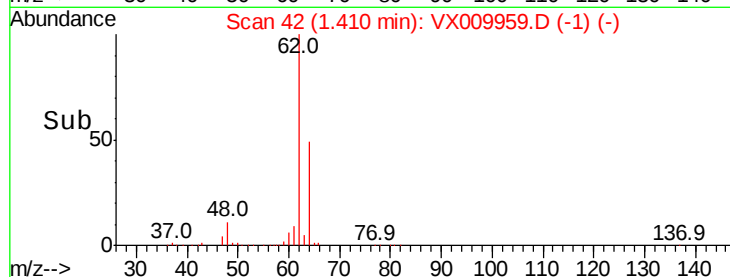
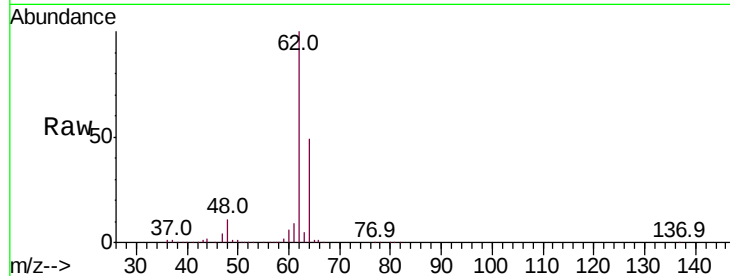
S32-0656

Tot Ion: 62 Resp: 111943

Ion Ratio Lower Upper

62 100

64 29.5 25.7 38.5



#12

1,1-Dichloroethene

Concen: 0.482 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

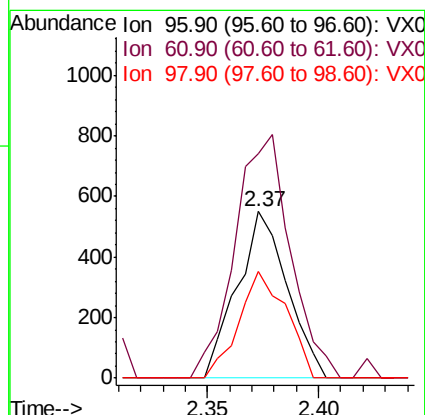
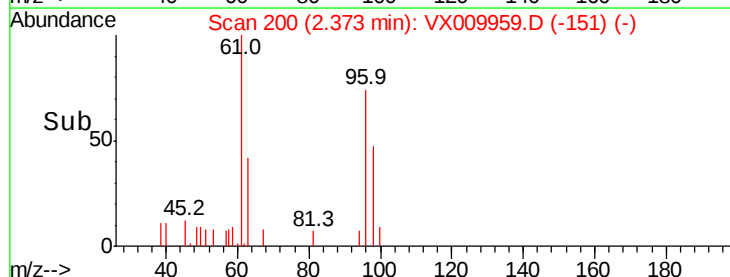
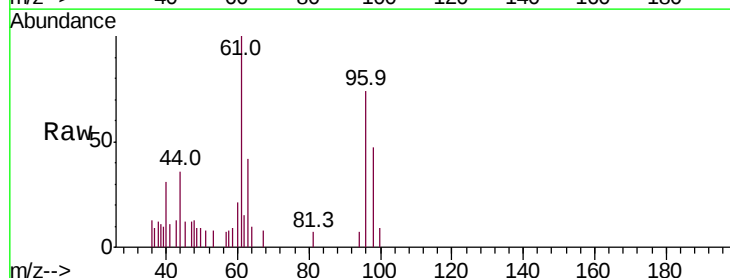
Tgt Ion: 96 Resp: 857

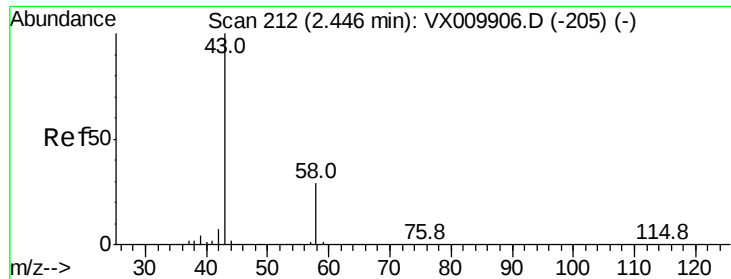
Ion Ratio Lower Upper

96 100

61 134.5 140.7 211.1#

98 63.8 50.1 75.1





#16

Acetone

Concen: 7.034 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

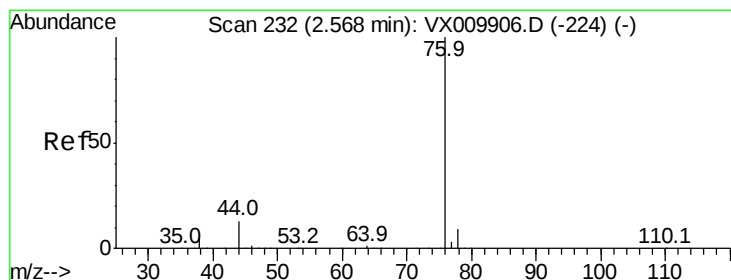
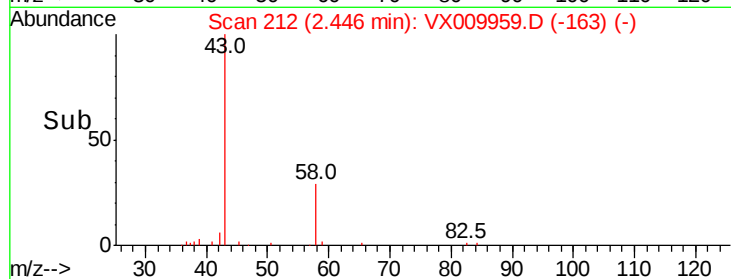
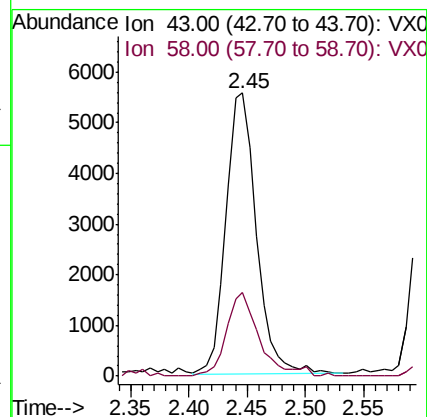
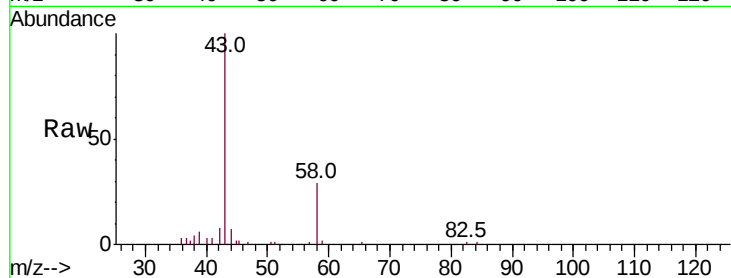
S32-0656

Tot Ion: 43 Resp: 10073

Ion Ratio Lower Upper

43 100

58 29.7 23.2 34.8



#17

Carbon Disulfide

Concen: 1.280 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009959.D

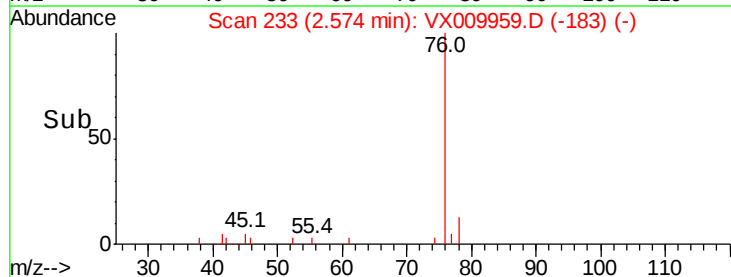
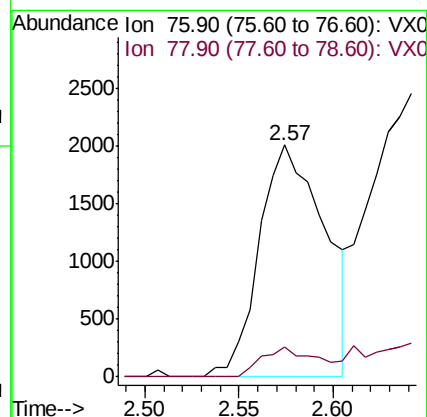
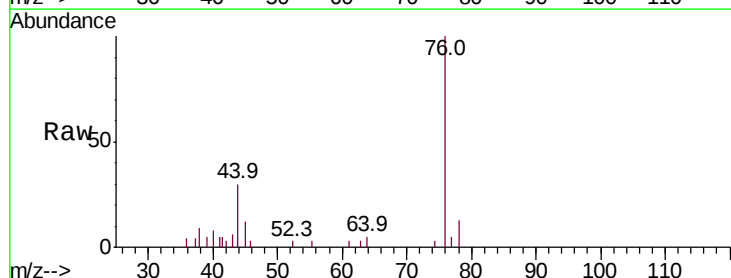
Acq: 30 May 2019 14:41

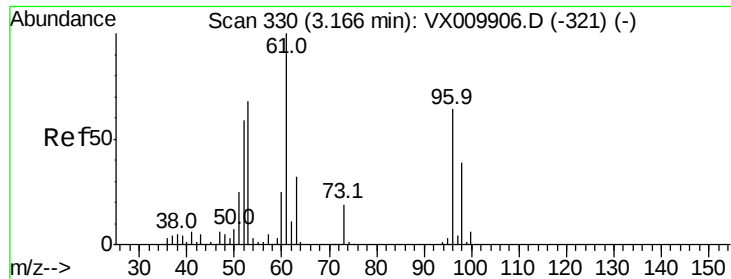
Tgt Ion: 76 Resp: 4855

Ion Ratio Lower Upper

76 100

78 13.1 7.0 10.6#

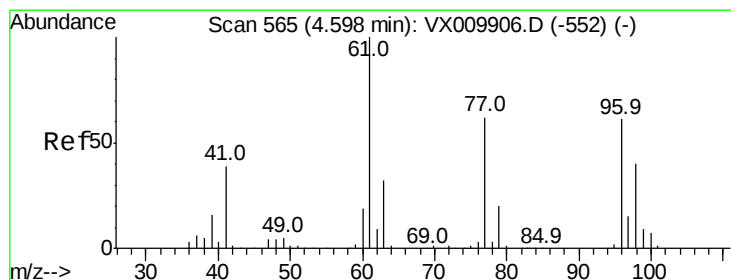
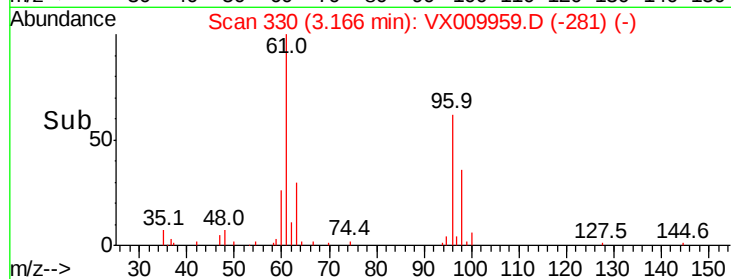
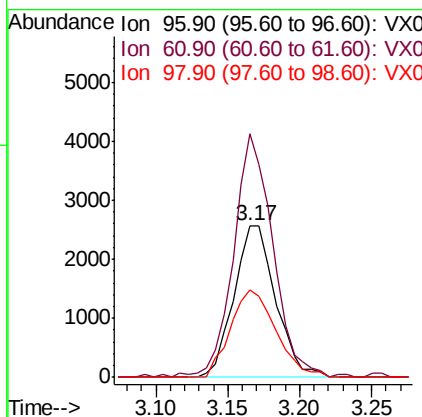
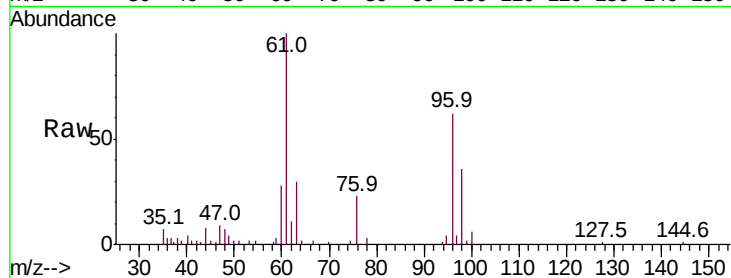




#21
trans-1,2-Dichloroethene
Concen: 2.612 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009959.D
Acq: 30 May 2019 14:41

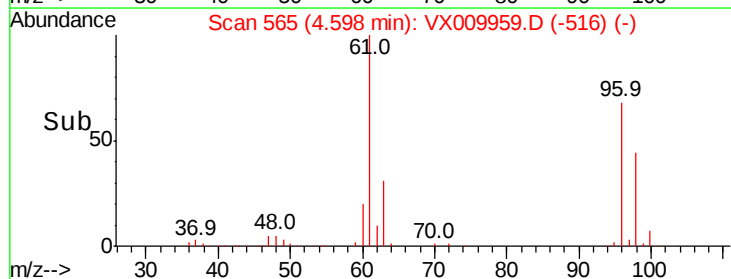
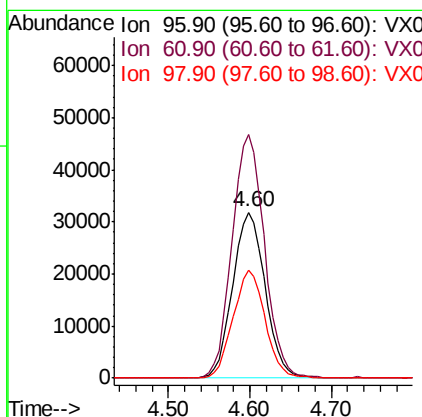
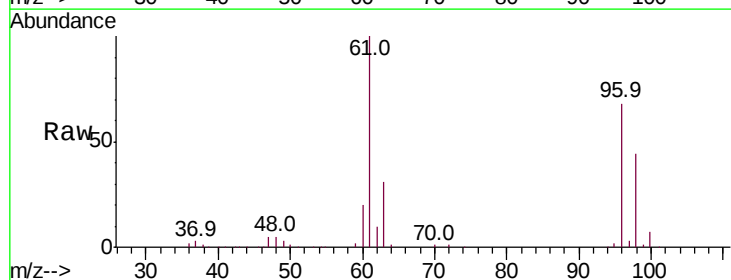
Instrument :
MSVOA_X
ClientSampled :
S32-0656

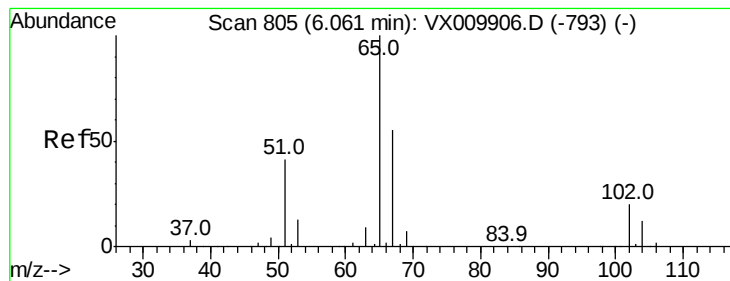
Tot Ion: 96 Resp: 5163
Ion Ratio Lower Upper
96 100
61 158.5 125.7 188.5
98 58.0 49.0 73.6



#27
cis-1,2-Dichloroethene
Concen: 38.608 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009959.D
Acq: 30 May 2019 14:41

Tgt Ion: 96 Resp: 88108
Ion Ratio Lower Upper
96 100
61 145.9 0.0 334.0
98 64.1 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 48.091 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

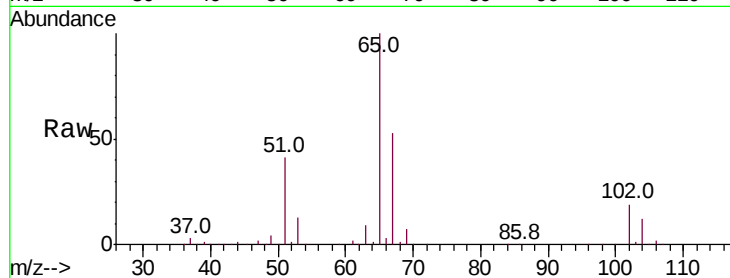
S32-0656

Tot Ion: 65 Resp: 119186

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

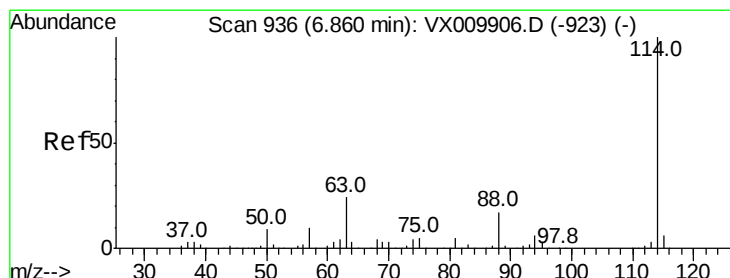
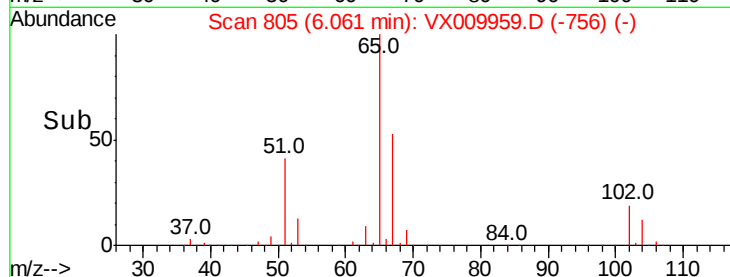
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

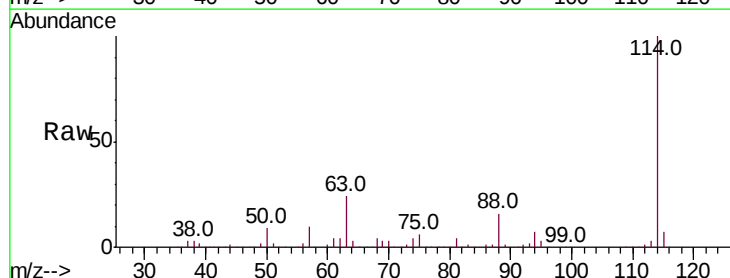
Tgt Ion:114 Resp: 276762

Ion Ratio Lower Upper

114 100

63 24.5 0.0 47.4

88 16.4 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

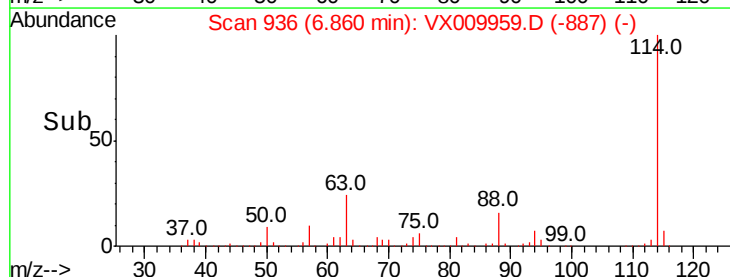
100000

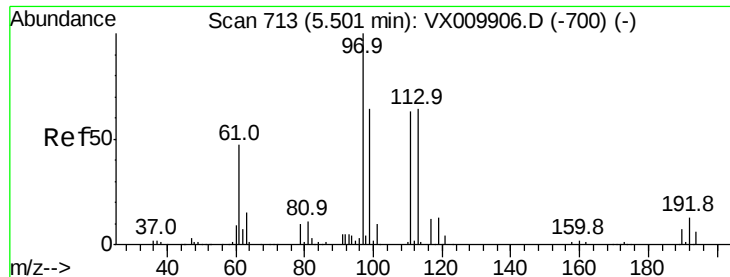
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.601 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

S32-0656

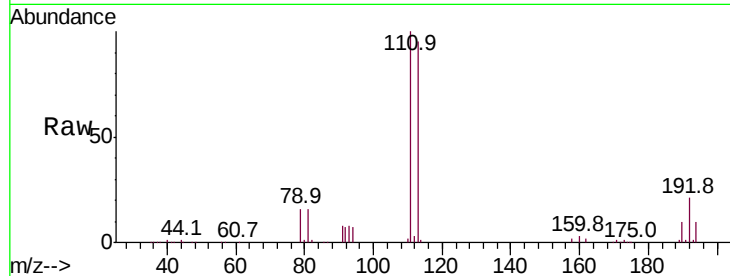
Tot Ion:113 Resp: 86307

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

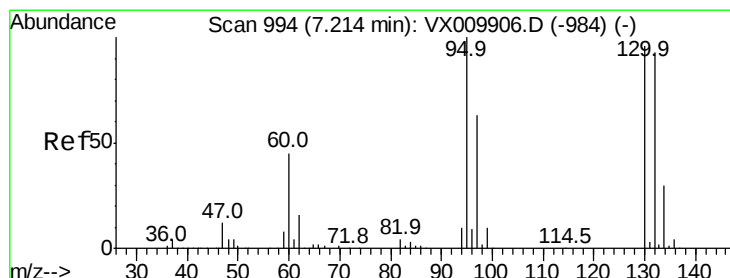
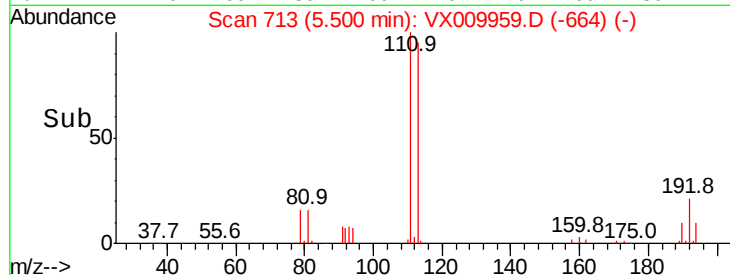
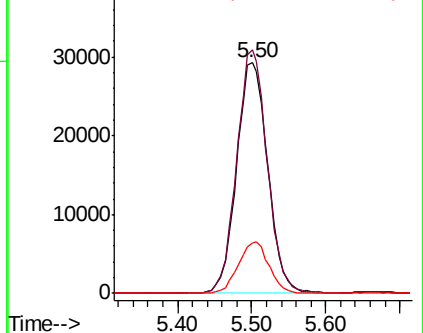
192 22.0 17.1 25.7



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



#44

Trichloroethene

Concen: 4.191 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009959.D

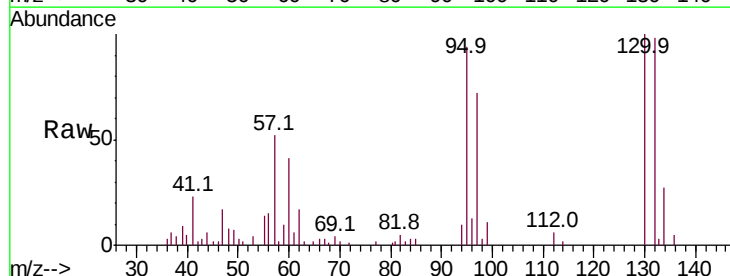
Acq: 30 May 2019 14:41

Tgt Ion:130 Resp: 8479

Ion Ratio Lower Upper

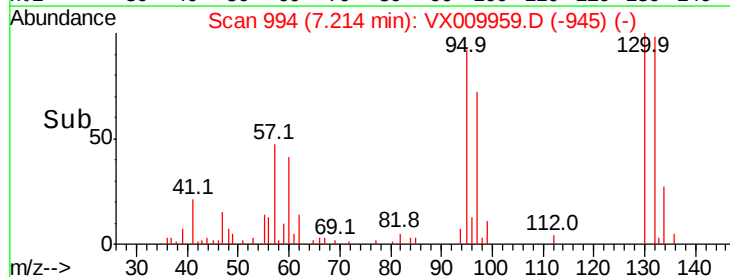
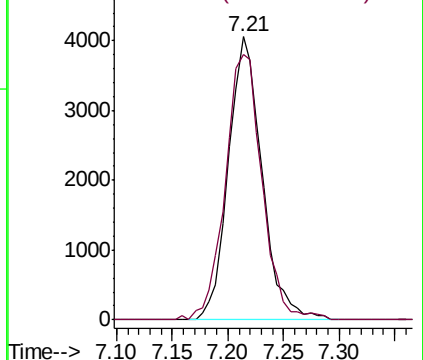
130 100

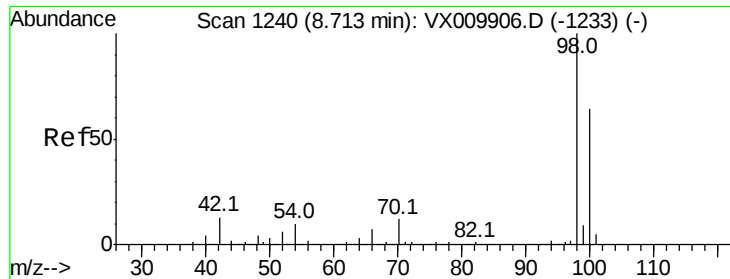
95 93.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.331 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

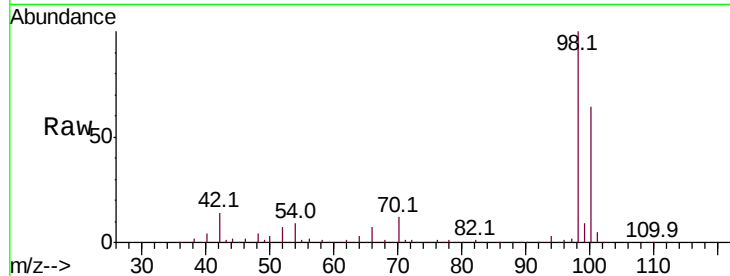
S32-0656

Tot Ion: 98 Resp: 355627

Ion Ratio Lower Upper

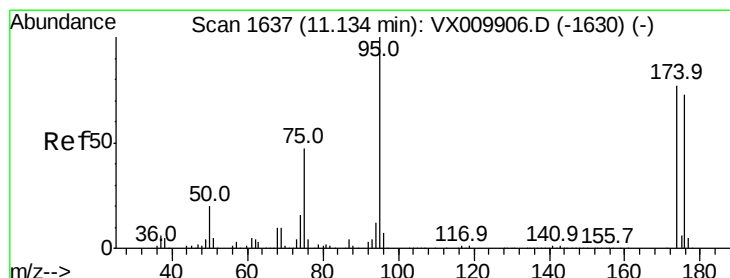
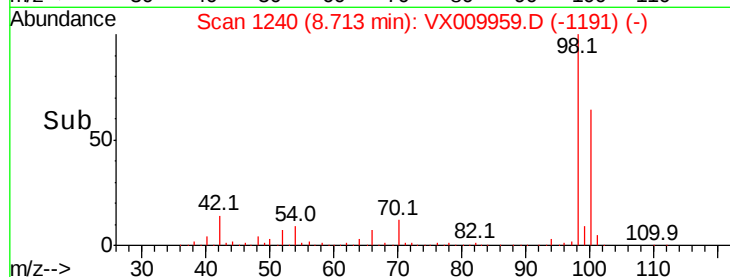
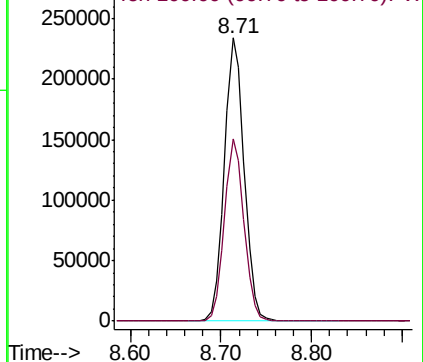
98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.472 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

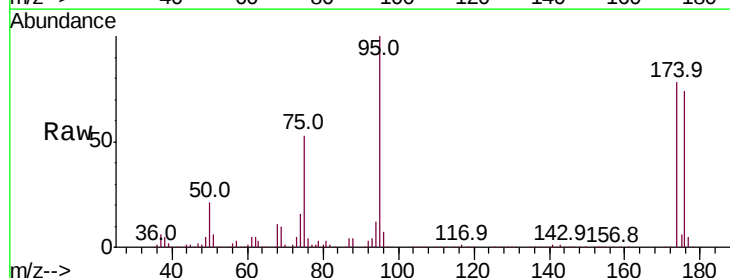
Tgt Ion: 95 Resp: 120480

Ion Ratio Lower Upper

95 100

174 81.8 0.0 160.4

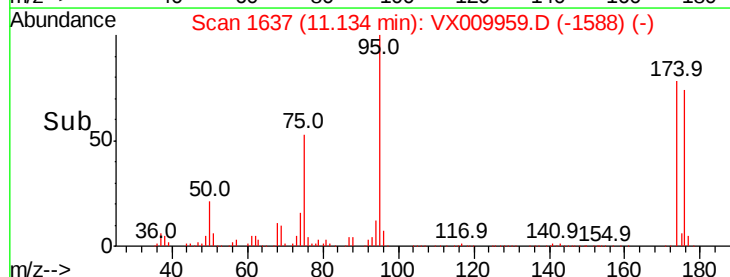
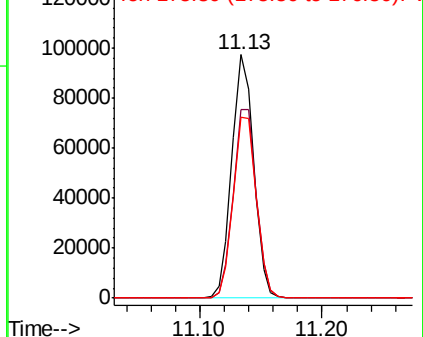
176 78.7 0.0 154.6

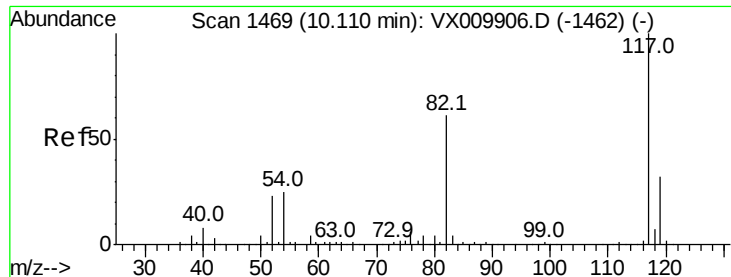


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

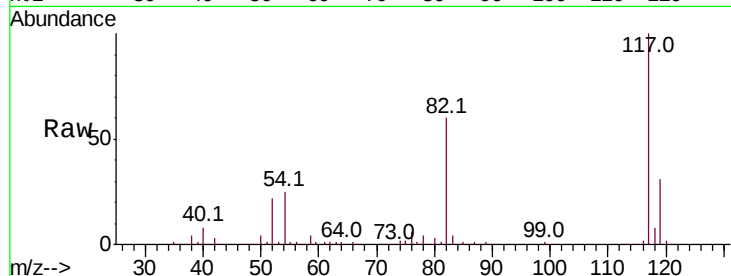




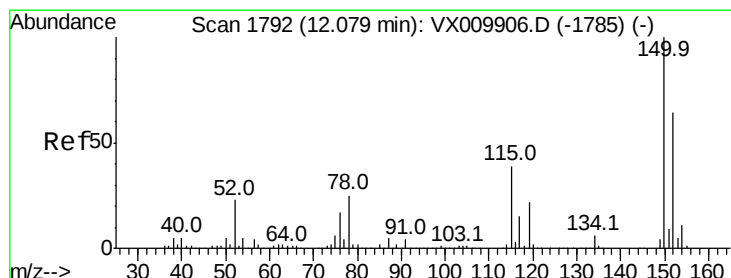
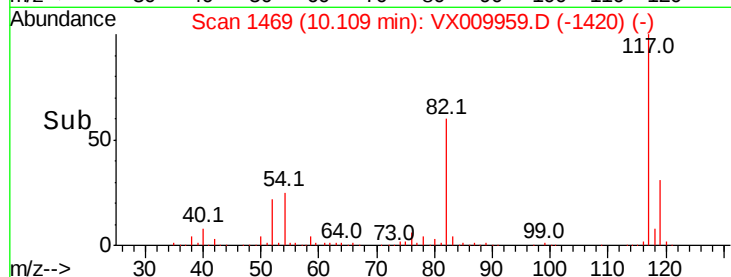
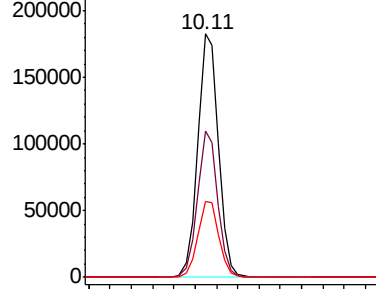
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009959.D
Acq: 30 May 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
S32-0656

Tot Ion:117 Resp: 248146
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 31.3 25.2 37.8

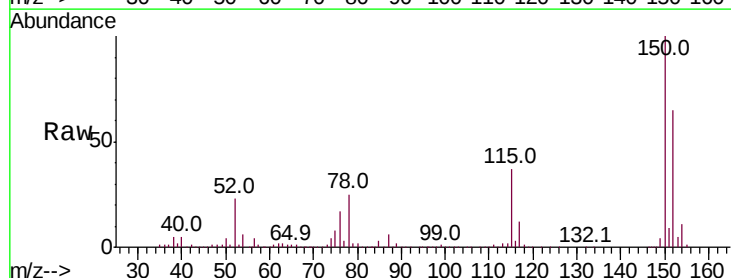


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

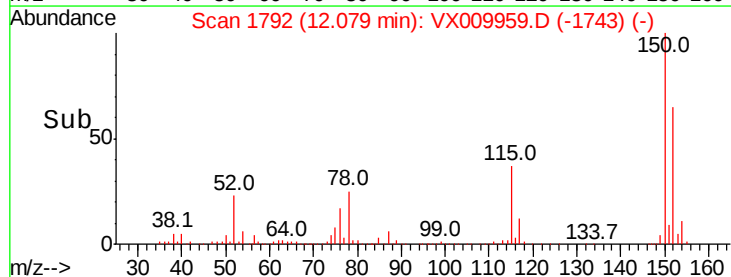
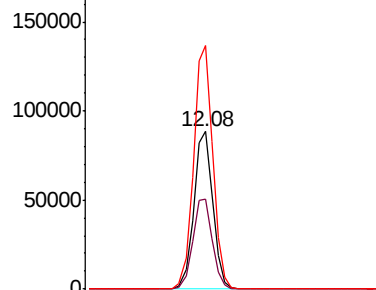


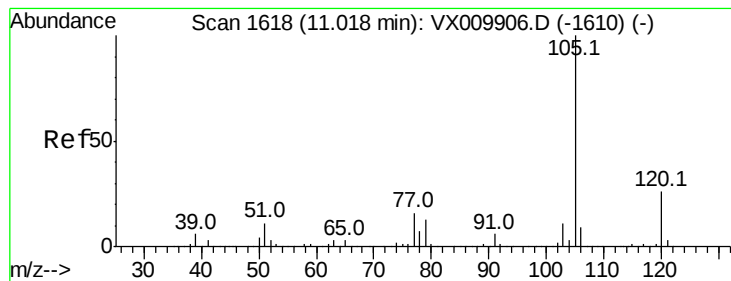
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009959.D
Acq: 30 May 2019 14:41

Tgt Ion:152 Resp: 109895
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 156.2 0.0 345.2



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





#73

Isopropylbenzene

Concen: 0.274 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009959.D

Acq: 30 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

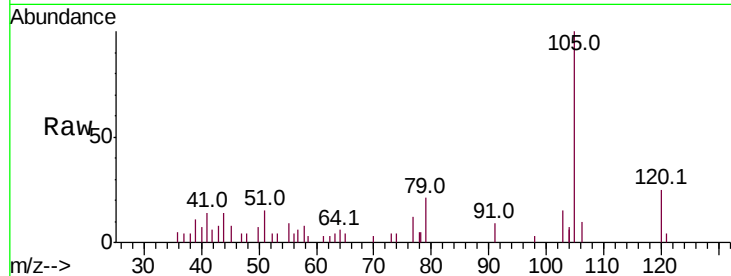
S32-0656

Tot Ion:105 Resp: 2222

Ion Ratio Lower Upper

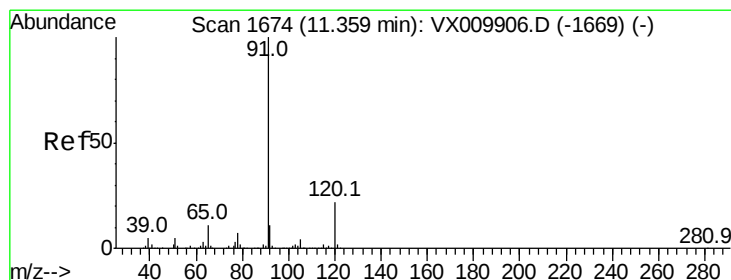
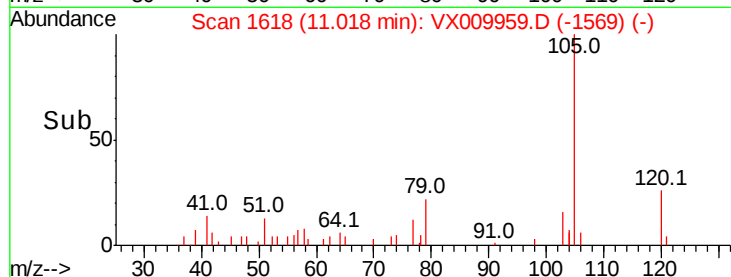
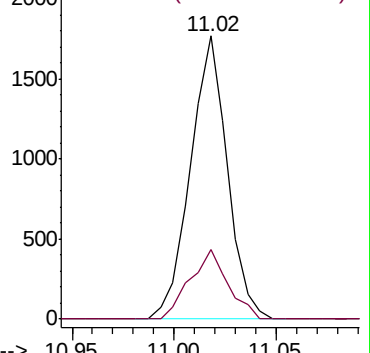
105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.388 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009959.D

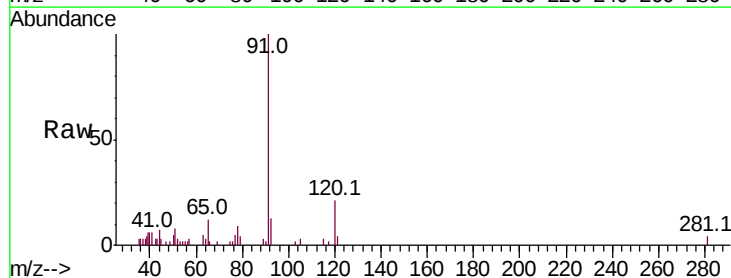
Acq: 30 May 2019 14:41

Tgt Ion: 91 Resp: 3629

Ion Ratio Lower Upper

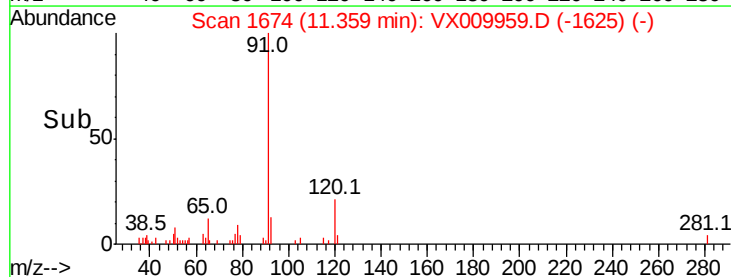
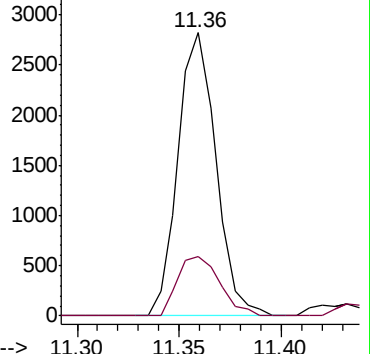
91 100

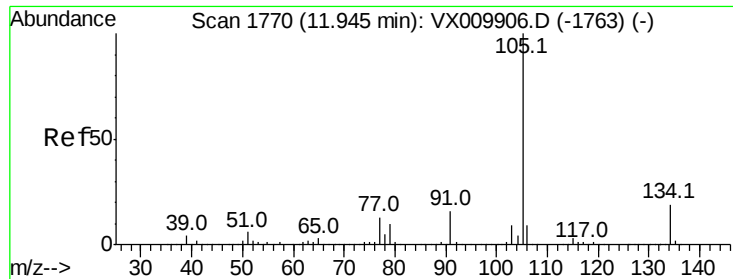
120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#85
 sec-Butylbenzene
 Concen: 0.350 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009959.D
 Acq: 30 May 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0656

Tot Ion:105 Resp: 2722
 Ion Ratio Lower Upper
 105 100
 134 32.3 9.7 28.9#

