

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003551.D
 Acq On : 21 Jul 2018 13:35
 Operator : JC/SP
 Sample : J3991-04ME
 Misc : 5.16g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3-A

Quant Time: Jul 23 01:36:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	243720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197517	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	146351	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	5.51	113	127857	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	8.72	98	503819	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	181824	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

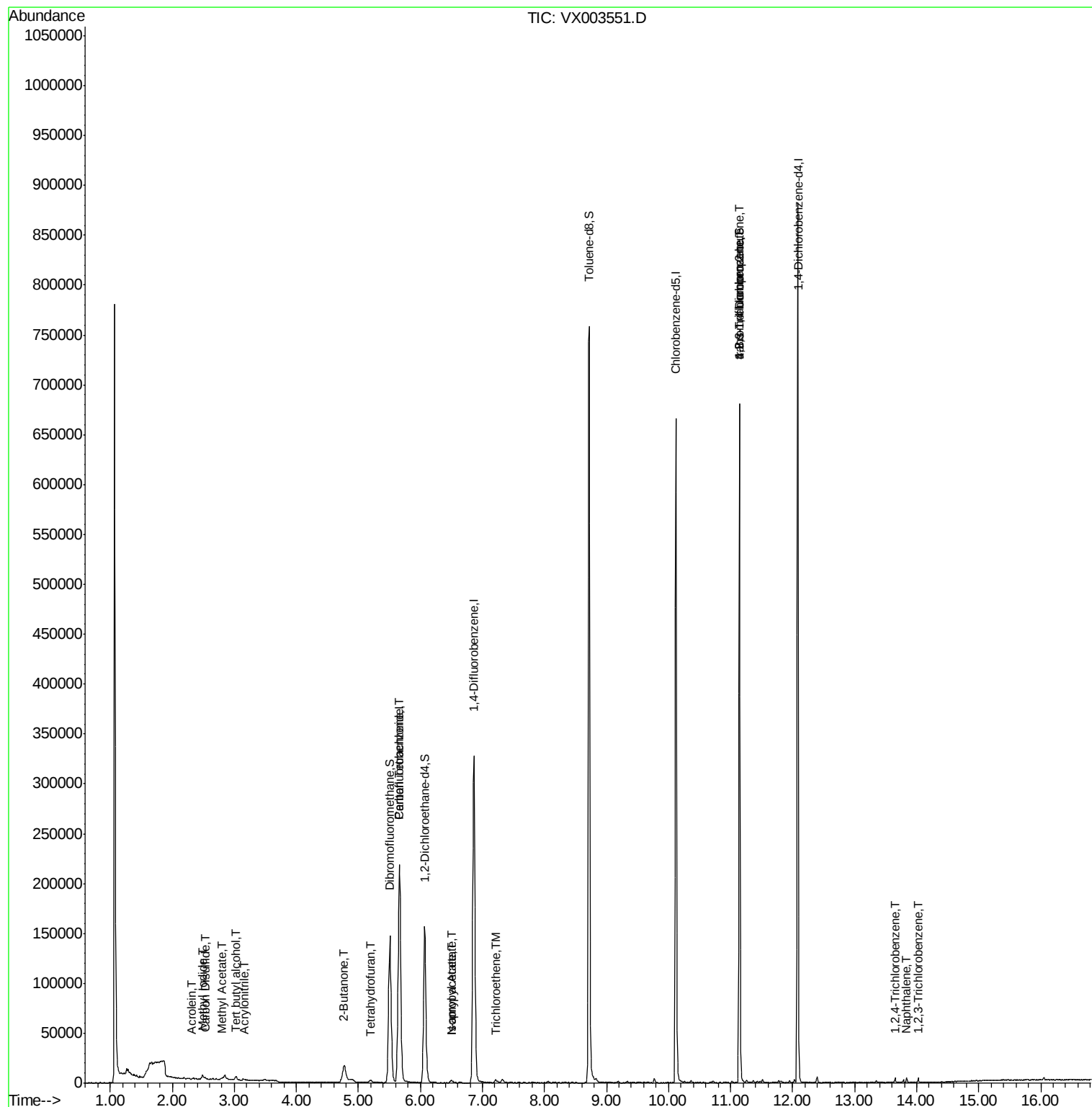
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	116	Below Cal	#	43
3) Chloromethane	1.32	50	786	Below Cal		98
5) Bromomethane	1.64	94	2673	Below Cal		100
10) Methyl Iodide	2.48	142	4618	1.42	ug/l	95
11) Tert butyl alcohol	3.03	59	2571	4.50	ug/l #	75
13) Acrolein	2.31	56	168	0.65	ug/l	88
15) Acrylonitrile	3.16	53	608	0.42	ug/l #	71
17) Carbon Disulfide	2.53	76	2381	0.35	ug/l	100
18) Methyl Acetate	2.79	43	2978	0.87	ug/l	98
20) Methylene Chloride	2.84	84	1929	Below Cal		91
25) 2-Butanone	4.76	43	587	0.32	ug/l #	52
29) Tetrahydrofuran	5.19	42	2150	1.78	ug/l	98
38) Carbon Tetrachloride	5.66	117	20833	5.45	ug/l #	15
43) Isopropyl Acetate	6.49	43	1608	0.27	ug/l #	63
44) Trichloroethene	7.21	130	1252	0.36	ug/l	95
74) N-amyl acetate	6.49	43	1608	0.28	ug/l #	59
76) 1,2,3-Trichloropropane	11.14	75	84928	23.93	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84928	67.13	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.65	180	1272	0.24	ug/l	90
95) Naphthalene	13.83	128	2971	0.22	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	1233	0.24	ug/l	96

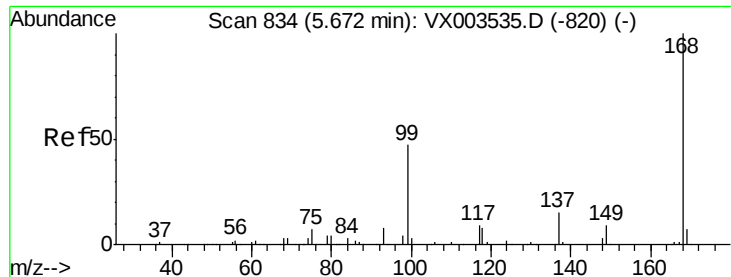
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

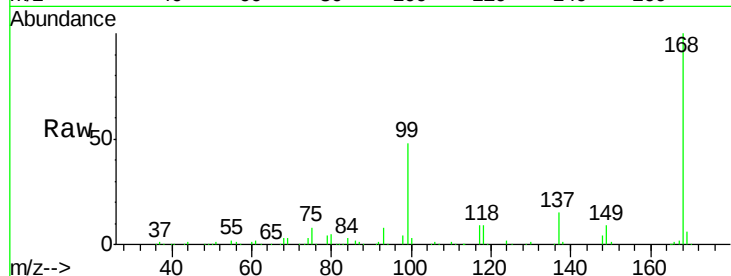
SB-3-A

Tot Ion:168 Resp: 243720

Ion Ratio Lower Upper

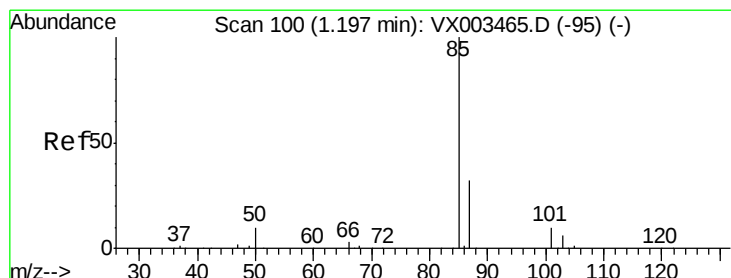
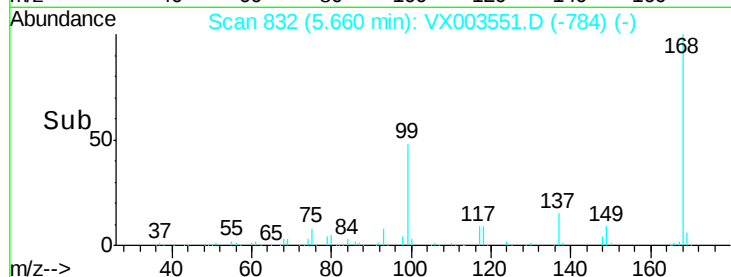
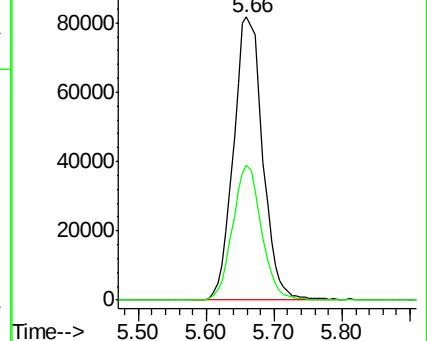
168 100

99 47.6 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: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003551.D

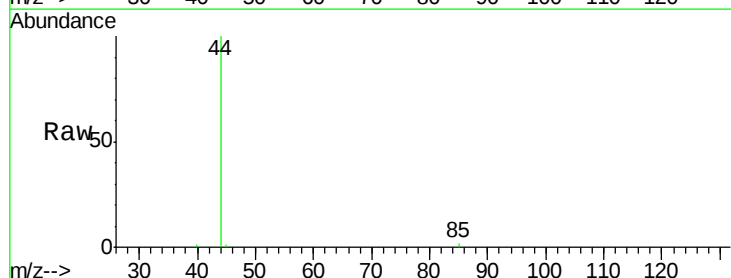
Acq: 21 Jul 2018 13:35

Tgt Ion: 85 Resp: 116

Ion Ratio Lower Upper

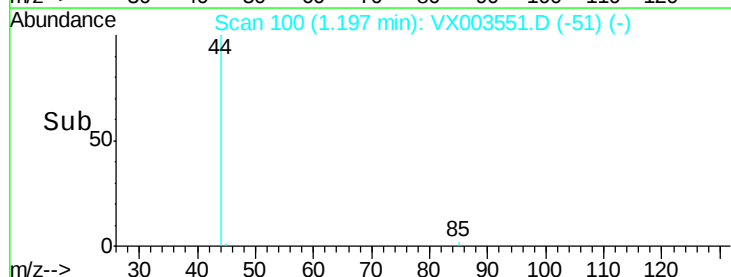
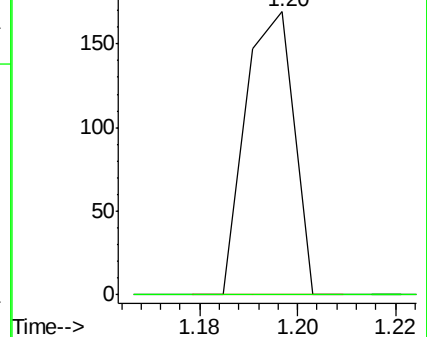
85 100

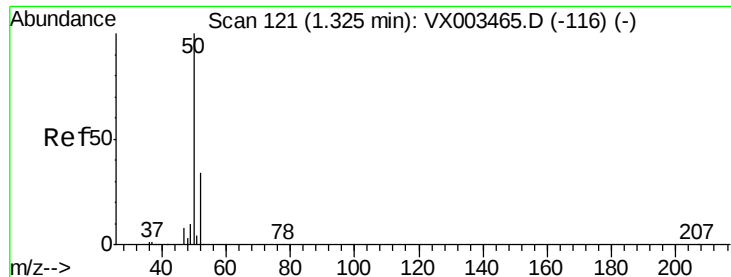
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

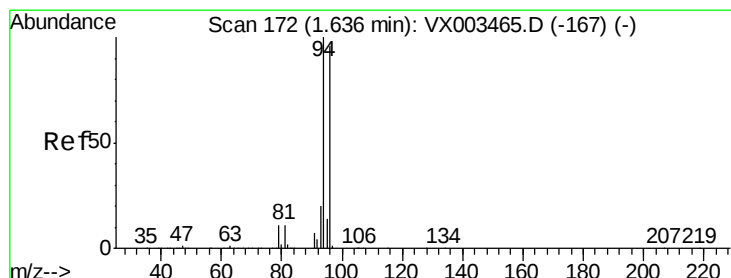
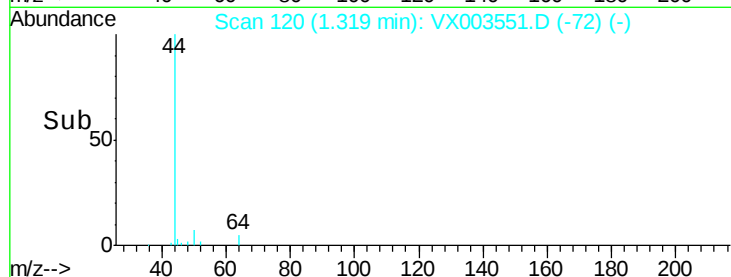
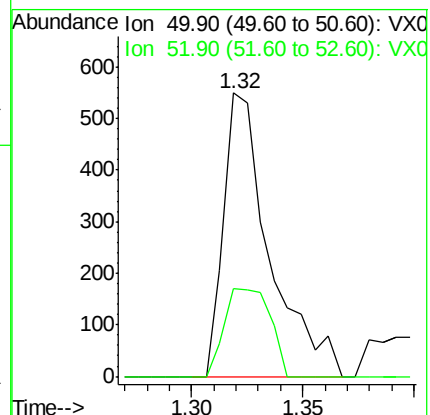
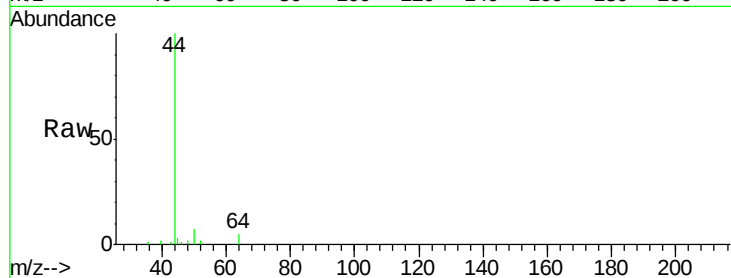
SB-3-A

Tot Ion: 50 Resp: 786

Ion Ratio Lower Upper

50 100

52 30.8 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003551.D

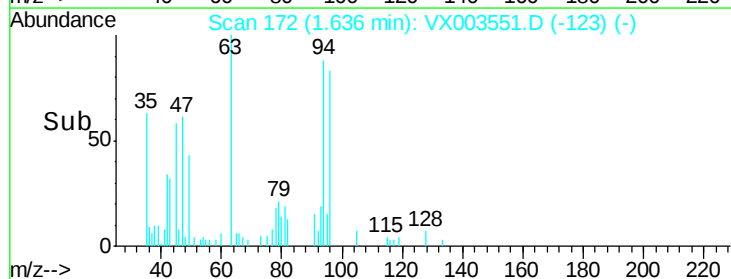
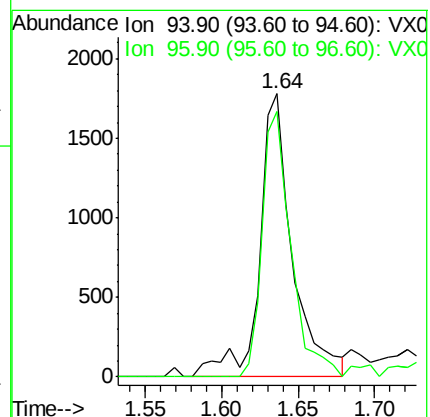
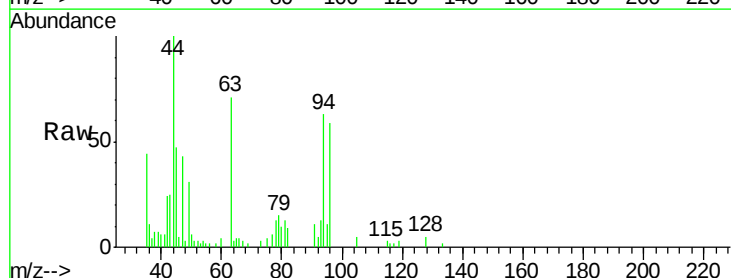
Acq: 21 Jul 2018 13:35

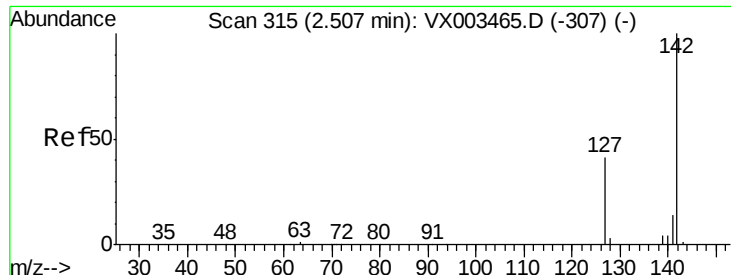
Tgt Ion: 94 Resp: 2673

Ion Ratio Lower Upper

94 100

96 93.9 74.9 112.3

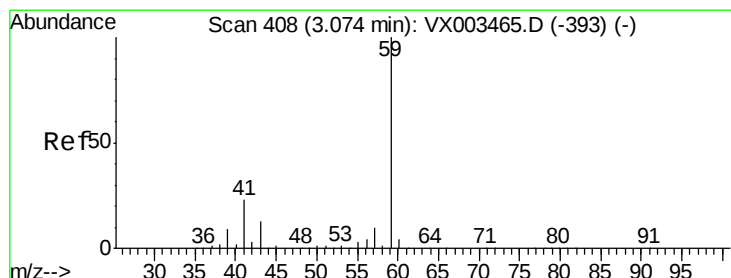
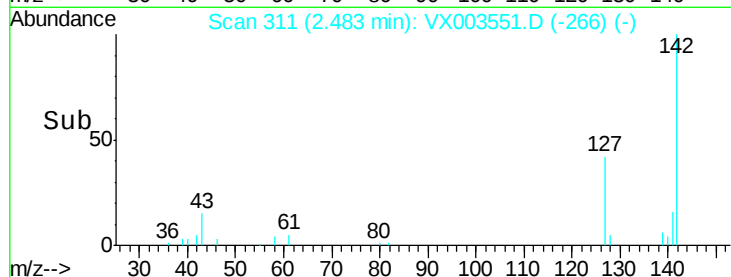
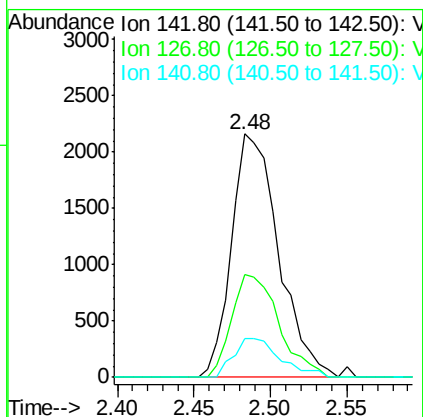
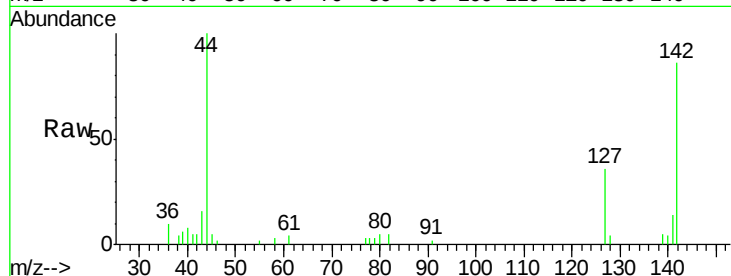




#10
Methvl Iodide
Concen: 1.42 ug/l
RT: 2.48 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

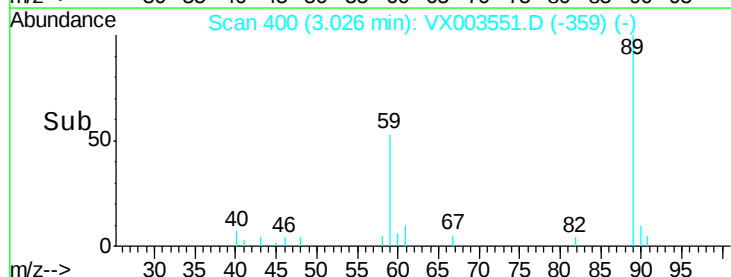
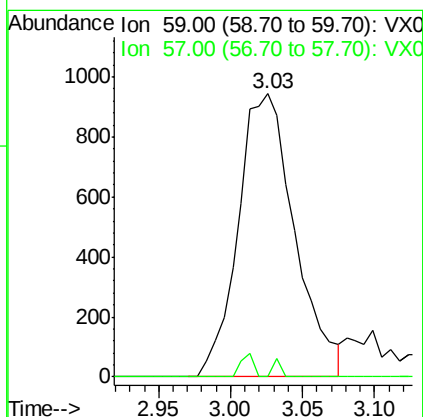
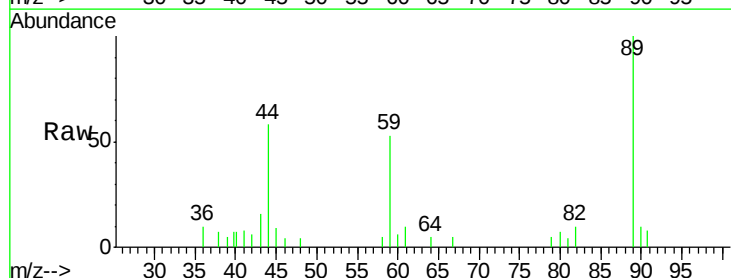
Instrument :
MSVOA_X
ClientSampled :
SB-3-A

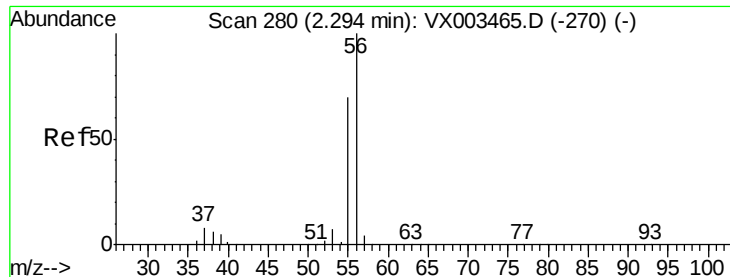
Tot Ion:142 Resp: 4618
Ion Ratio Lower Upper
142 100
127 42.3 36.6 55.0
141 16.0 11.3 16.9



#11
Tert butyl alcohol
Concen: 4.50 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

Tgt Ion: 59 Resp: 2571
Ion Ratio Lower Upper
59 100
57 0.9 8.2 12.2#





#13

Acrolein

Concen: 0.65 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

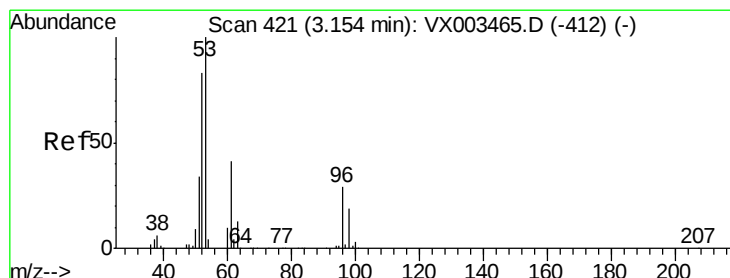
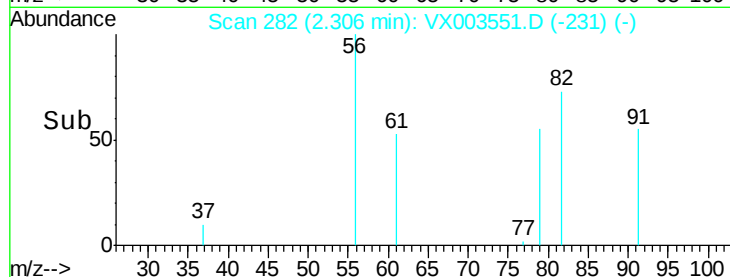
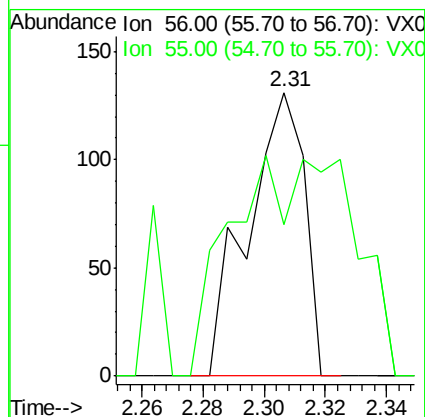
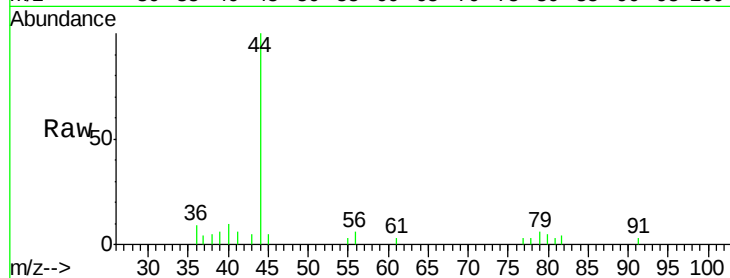
SB-3-A

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 81.0 57.0 85.4



#15

Acrylonitrile

Concen: 0.42 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

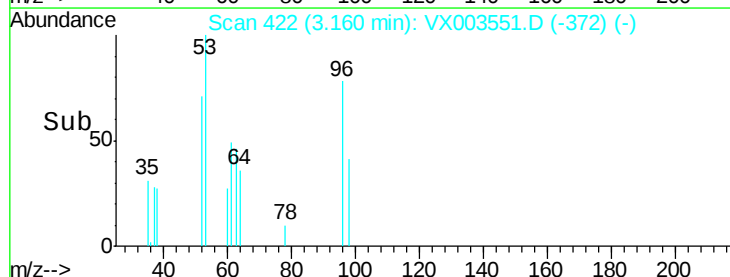
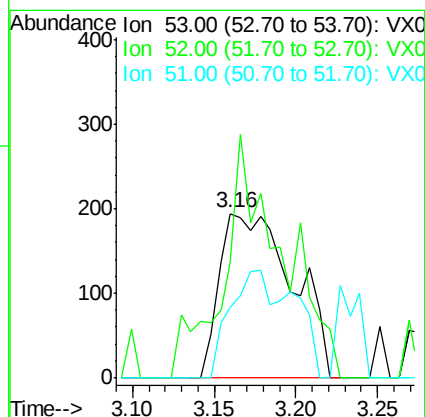
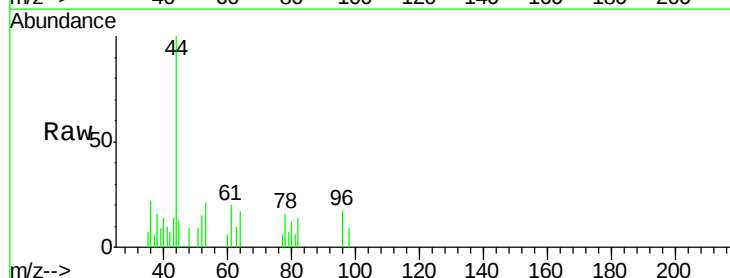
Tgt Ion: 53 Resp: 608

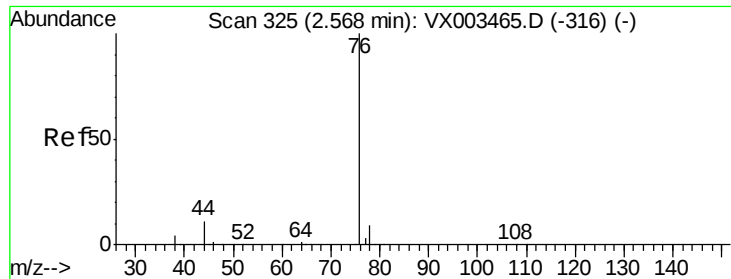
Ion Ratio Lower Upper

53 100

52 119.6 66.7 100.1#

51 40.6 29.9 44.9

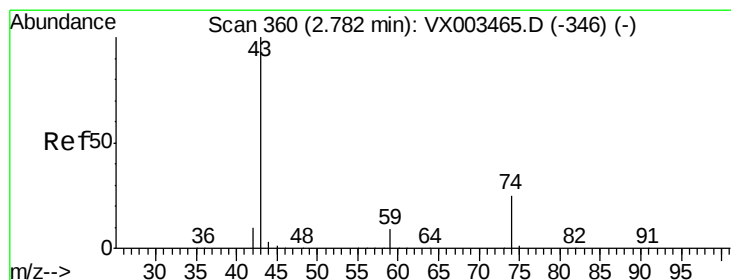
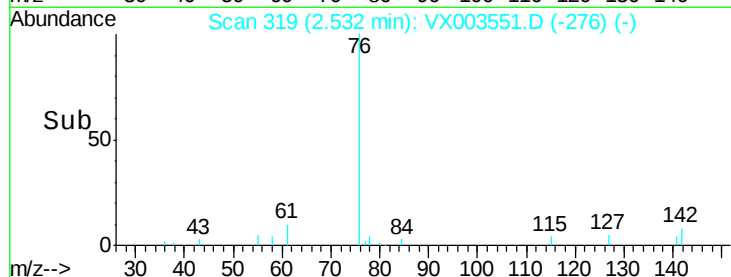
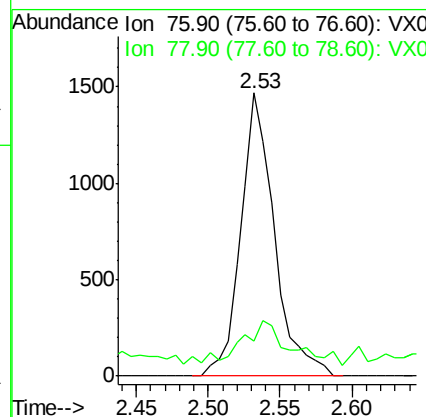
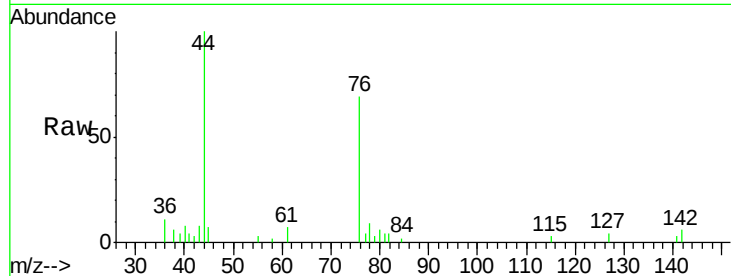




#17
Carbon Disulfide
Concen: 0.35 ug/l
RT: 2.53 min Scan# 319
Delta R.T. -0.04 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

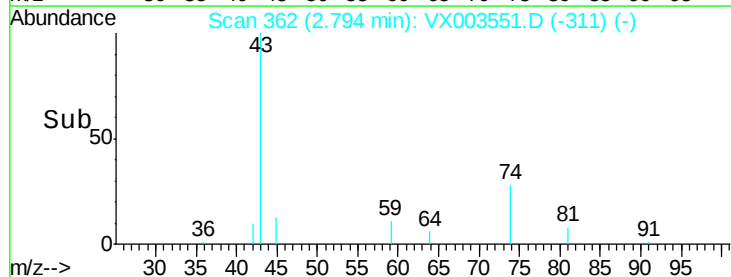
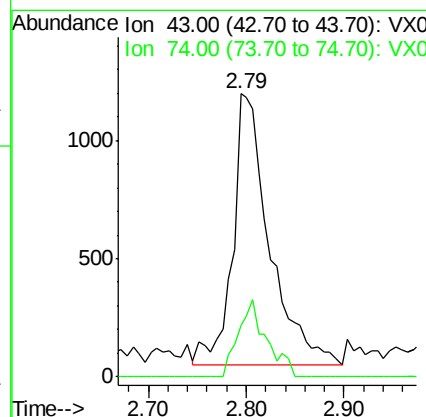
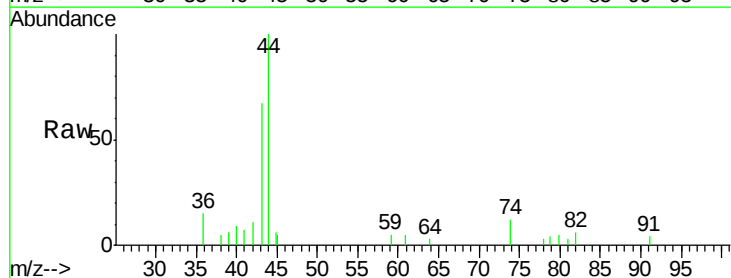
Instrument :
MSVOA_X
ClientSampleId :
SB-3-A

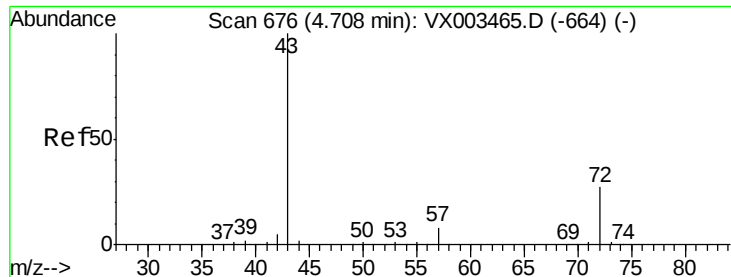
Tot Ion: 76 Resp: 2381
Ion Ratio Lower Upper
76 100
78 8.4 6.9 10.3



#18
Methyl Acetate
Concen: 0.87 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1





#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.76 min Scan# 684

Delta R.T. 0.05 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

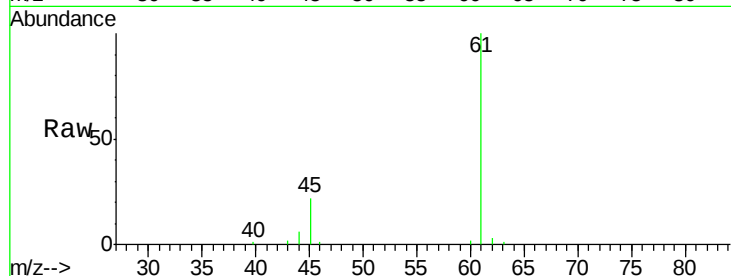
SB-3-A

Tot Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

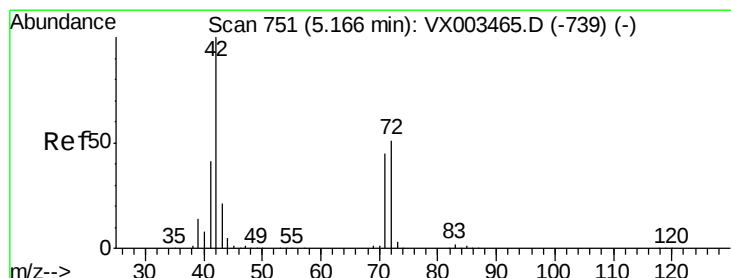
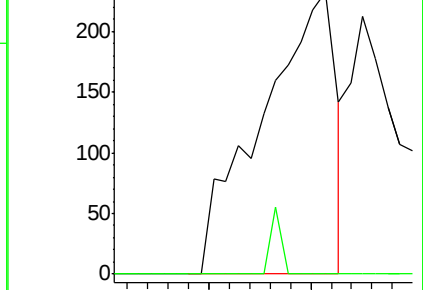
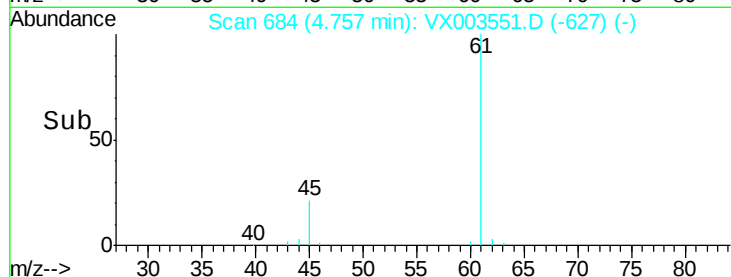
72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->



#29

Tetrahydrofuran

Concen: 1.78 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

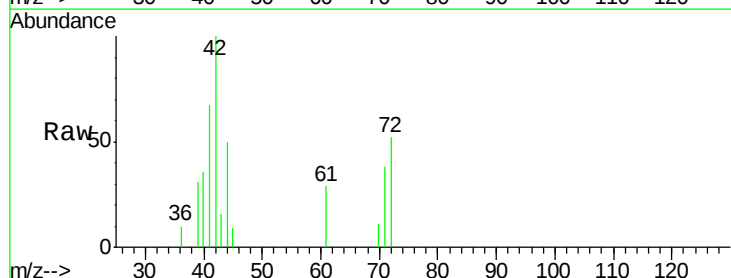
Tgt Ion: 42 Resp: 2150

Ion Ratio Lower Upper

42 100

72 38.8 32.0 48.0

71 36.4 30.1 45.1

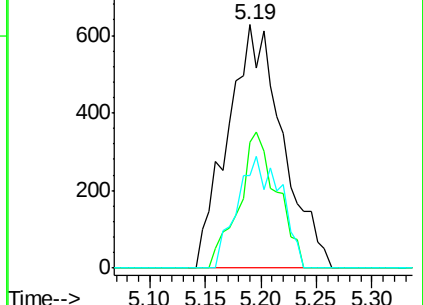
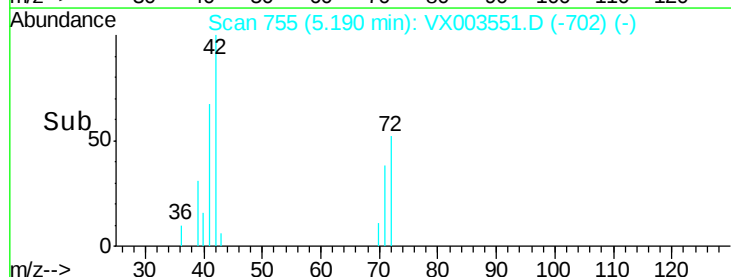


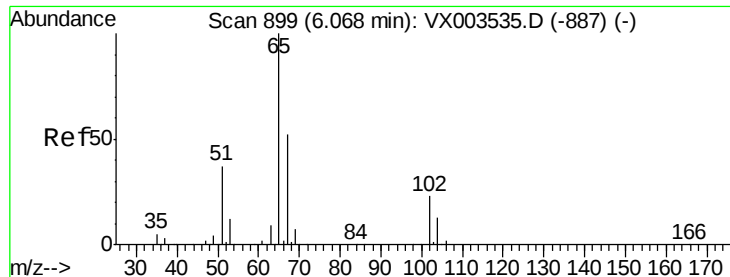
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.73 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

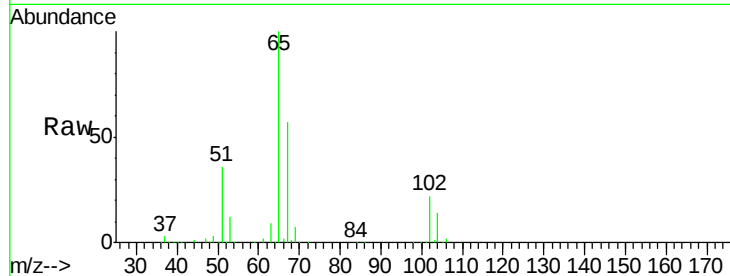
SB-3-A

Tot Ion: 65 Resp: 146351

Ion Ratio Lower Upper

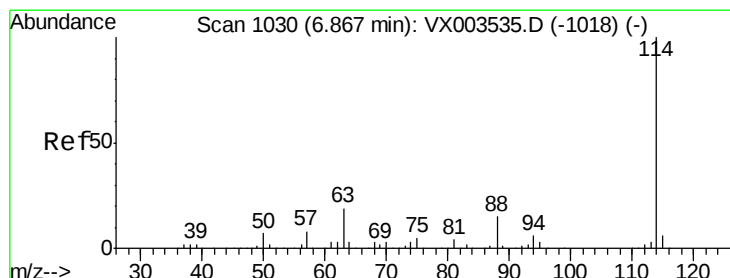
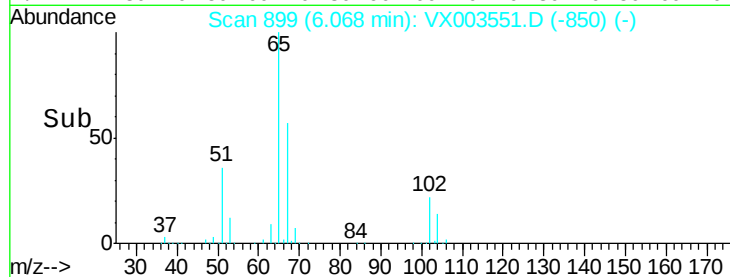
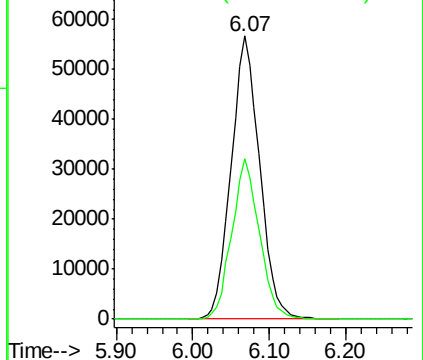
65 100

67 54.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

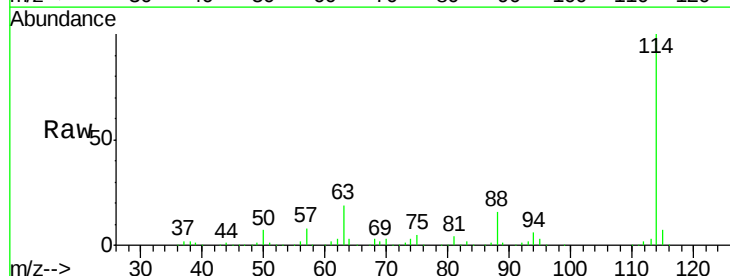
Tgt Ion: 114 Resp: 361142

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.4

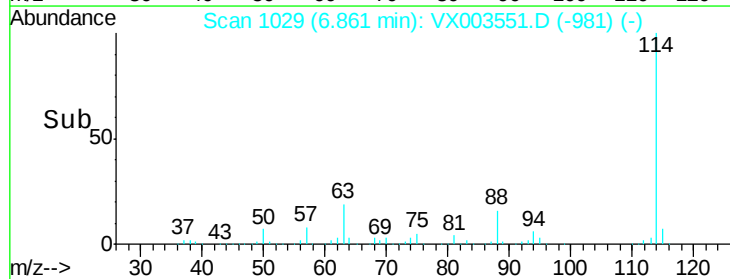
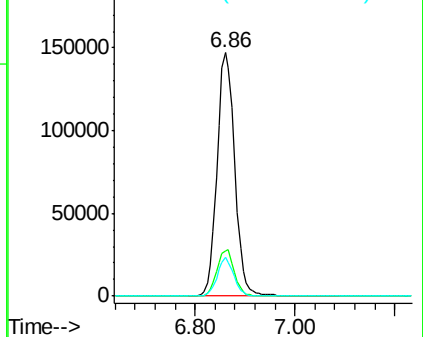
88 15.9 0.0 30.0

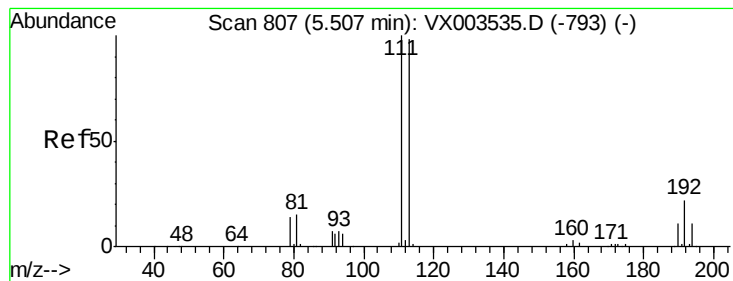


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.48 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

SB-3-A

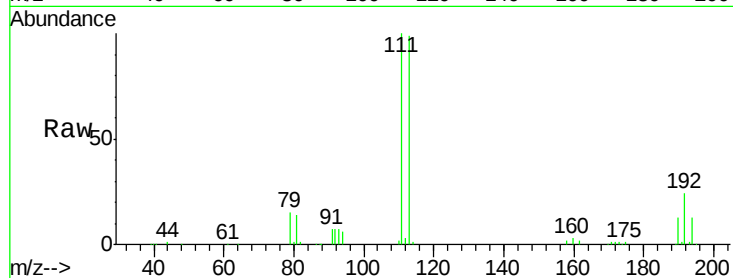
Tot Ion:113 Resp: 127857

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

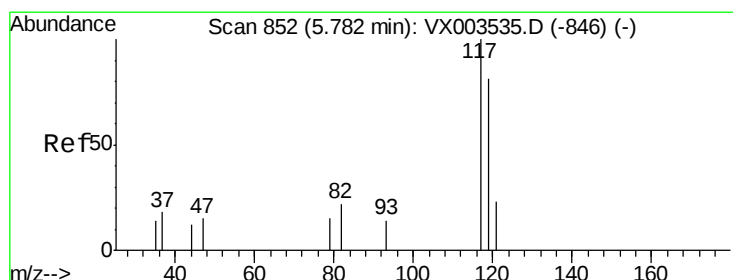
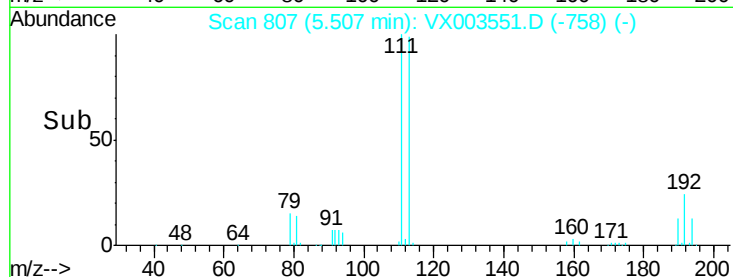
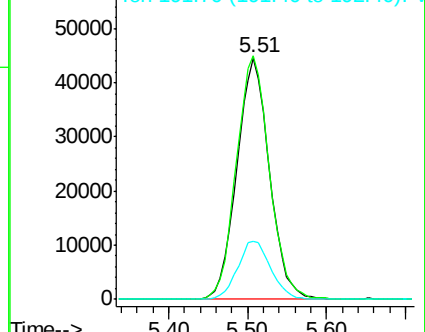
192 24.6 19.1 28.7



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



#38

Carbon Tetrachloride

Concen: 5.45 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

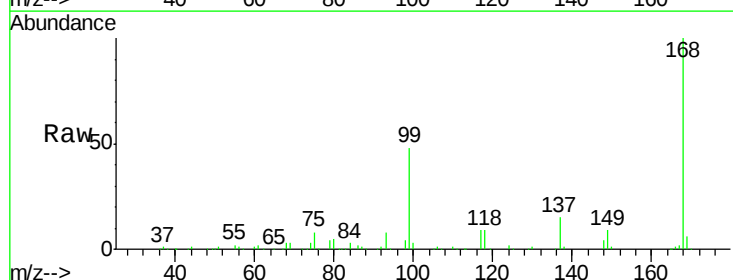
Tgt Ion:117 Resp: 20833

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

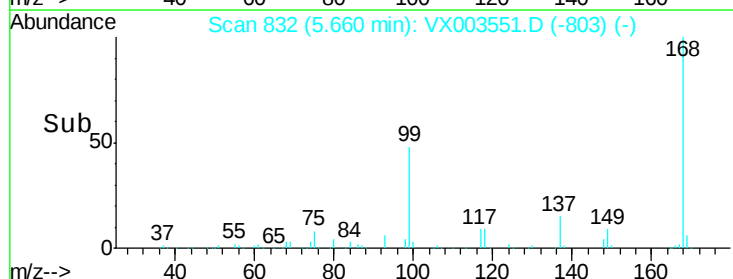
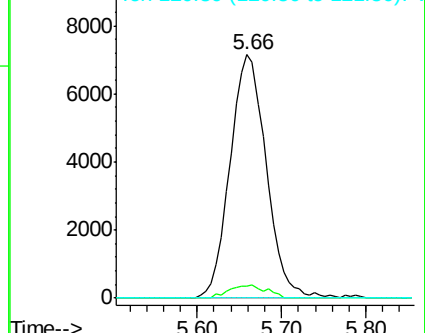
121 0.0 24.4 36.6#

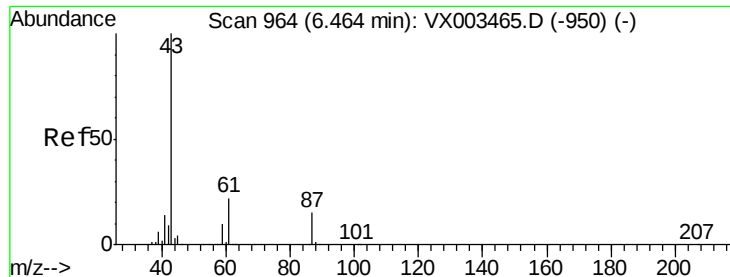


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.27 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.02 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampleId :

SB-3-A

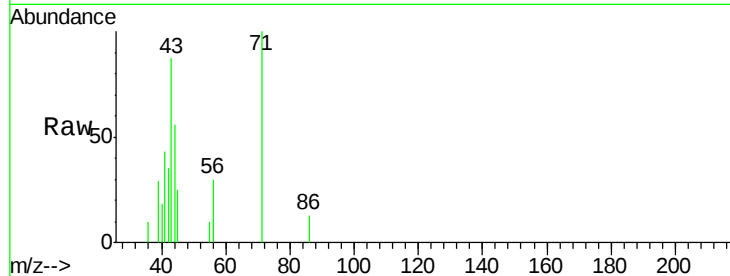
Tot Ion: 43 Resp: 1608

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

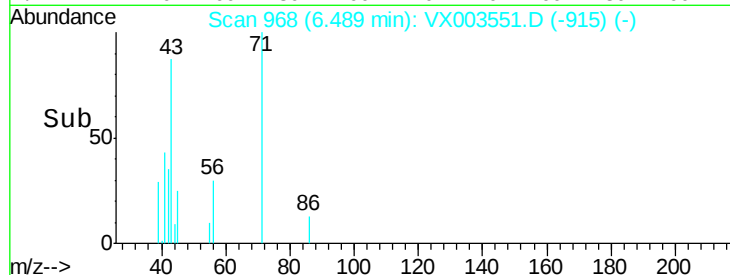
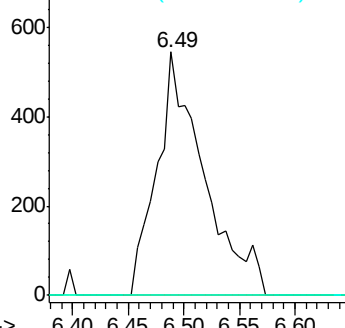
87 0.0 9.5 14.3#



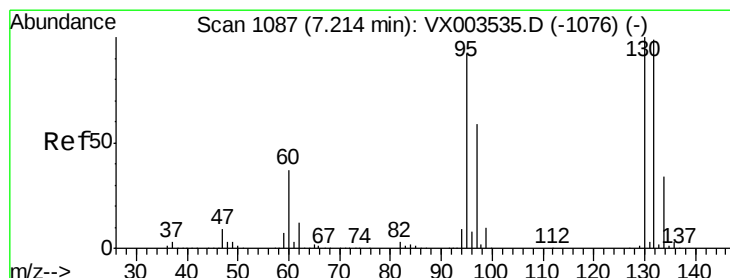
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#44

Trichloroethene

Concen: 0.36 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003551.D

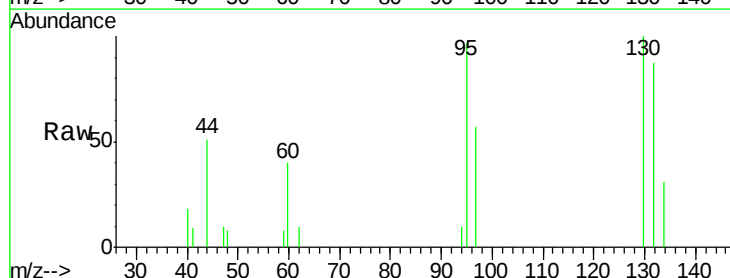
Acq: 21 Jul 2018 13:35

Tgt Ion:130 Resp: 1252

Ion Ratio Lower Upper

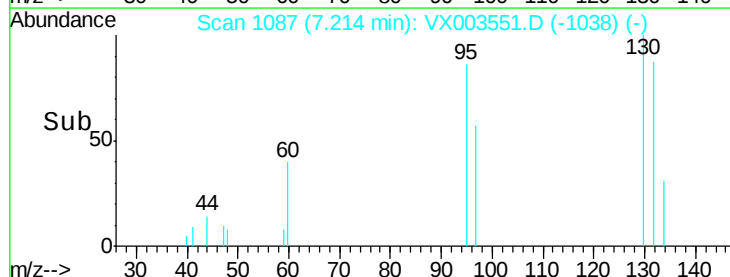
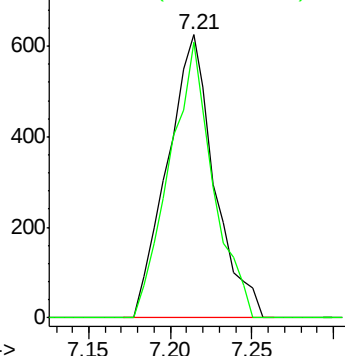
130 100

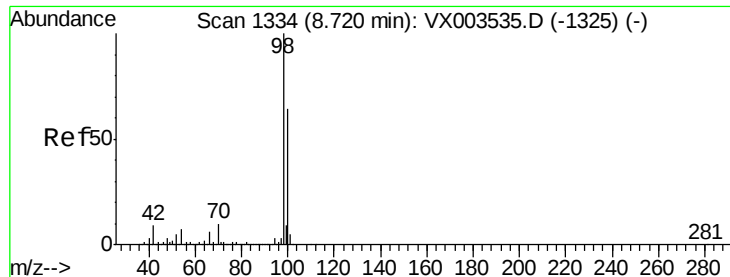
95 97.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

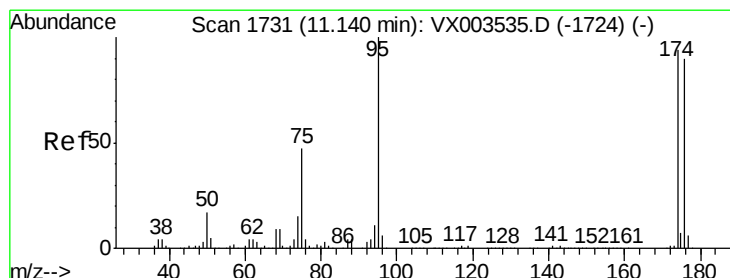
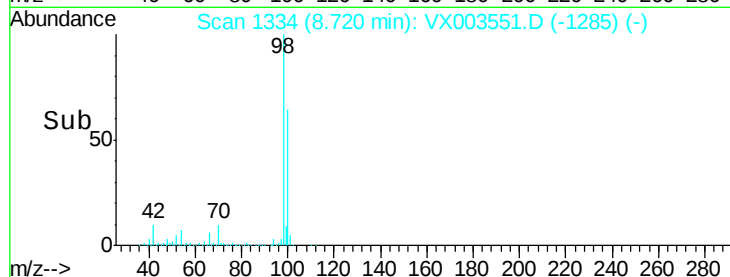
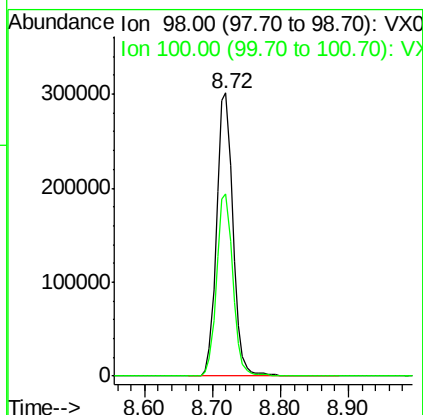
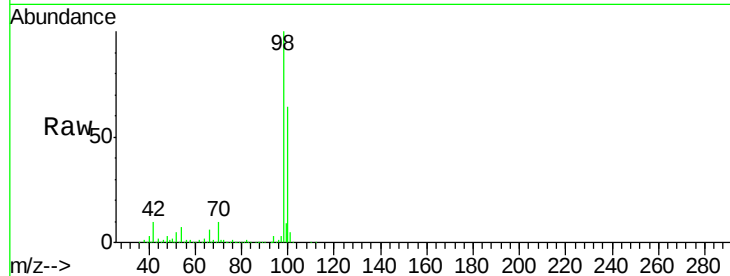




#50
Toluene-d8
Concen: 48.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

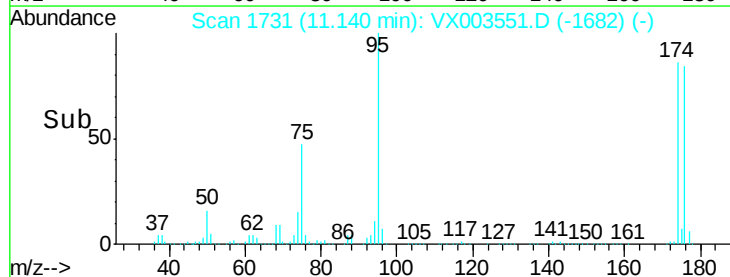
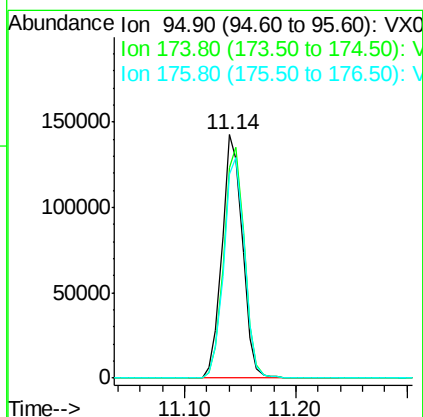
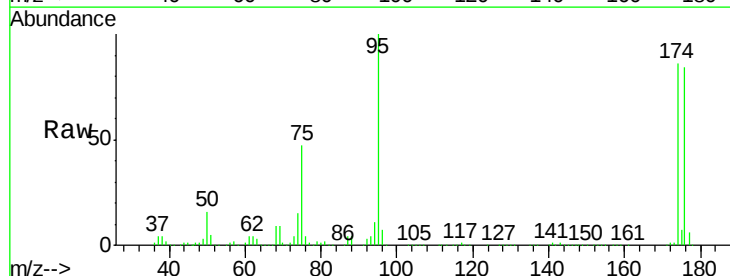
Instrument :
MSVOA_X
ClientSampleId :
SB-3-A

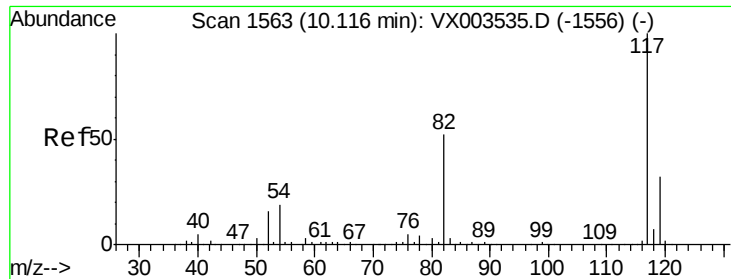
Tot Ion: 98 Resp: 503819
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.19 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

Tgt Ion: 95 Resp: 181824
Ion Ratio Lower Upper
95 100
174 96.0 0.0 187.4
176 92.2 0.0 181.0

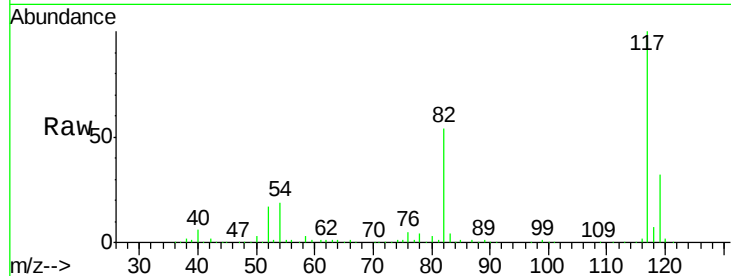




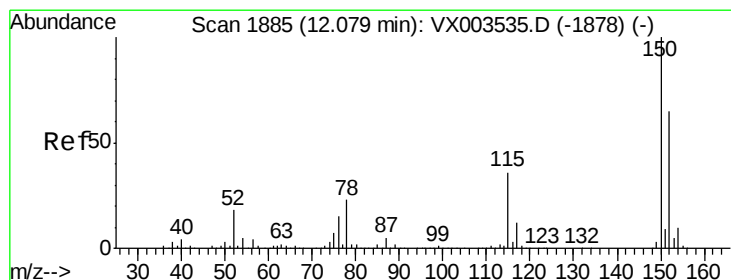
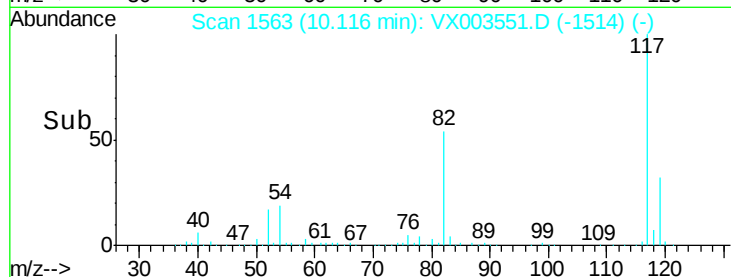
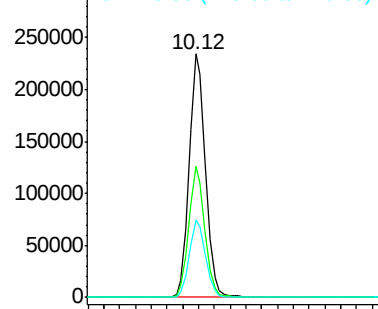
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

Instrument :
MSVOA_X
ClientSampled :
SB-3-A

Tot Ion:117 Resp: 336957
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 31.9 25.8 38.6

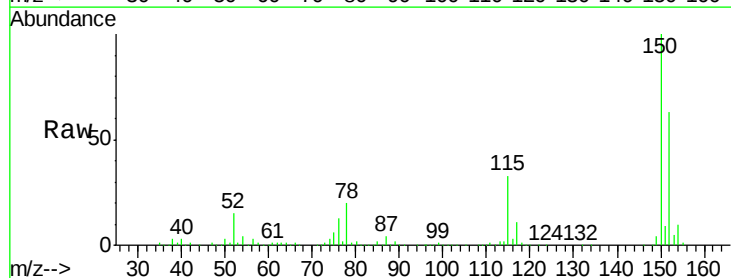


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

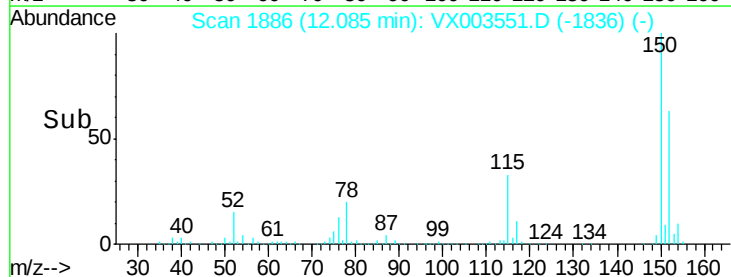
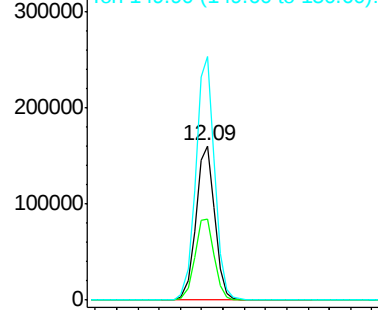


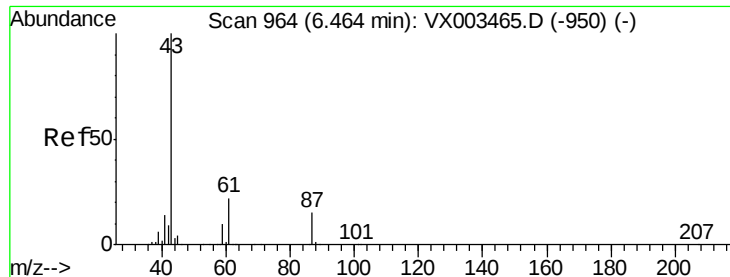
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

Tgt Ion:152 Resp: 197517
Ion Ratio Lower Upper
152 100
115 54.5 40.1 120.2
150 157.0 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





#74

N-amvl acetate

Concen: 0.28 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.02 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

SB-3-A

Tot Ion: 43 Resp: 1608

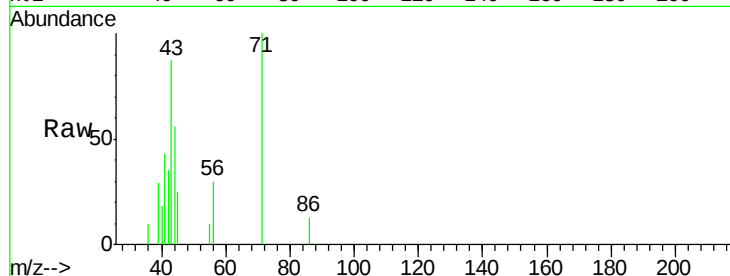
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 6.5 0.0 0.0#

61 0.0 14.4 21.6#

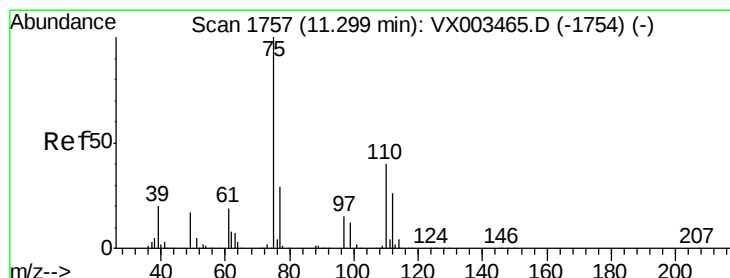
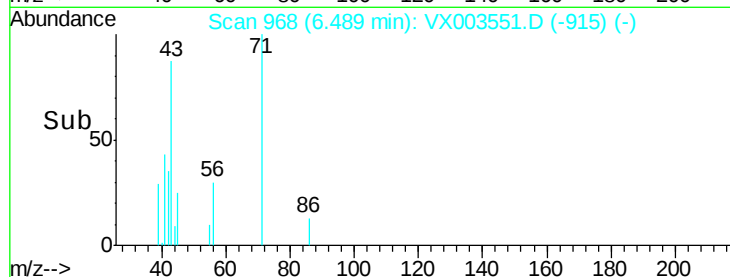
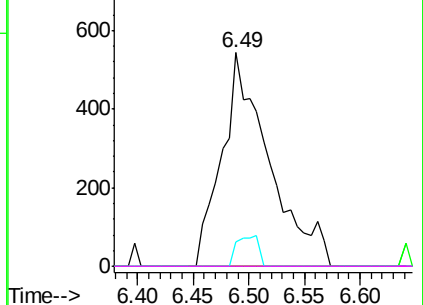


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 23.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003551.D

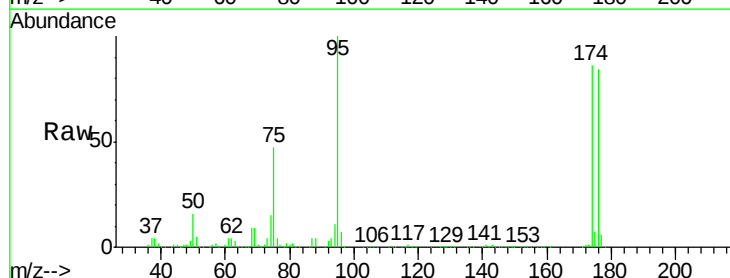
Acq: 21 Jul 2018 13:35

Tgt Ion: 75 Resp: 84928

Ion Ratio Lower Upper

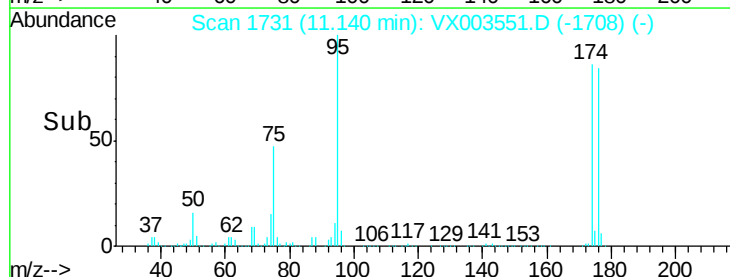
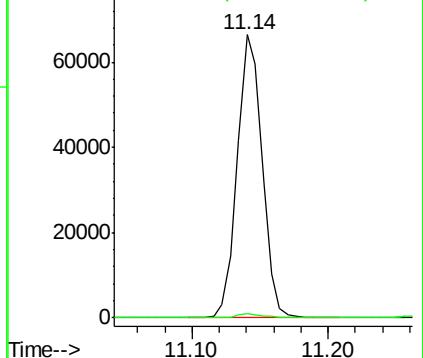
75 100

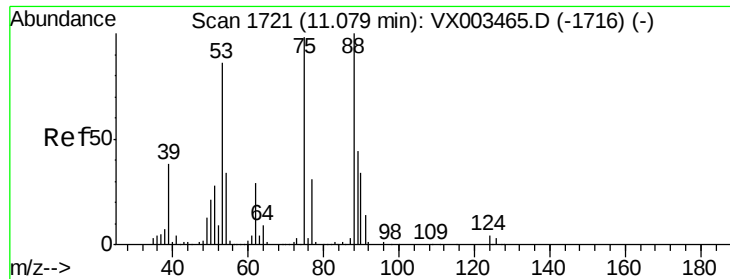
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

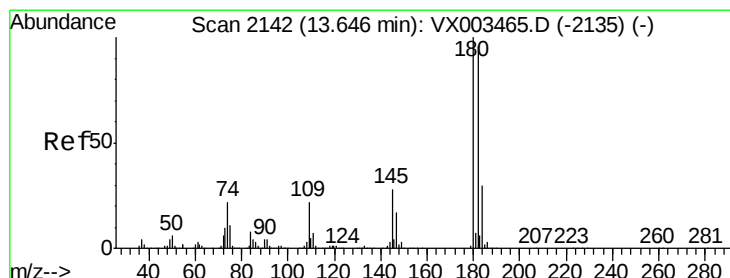
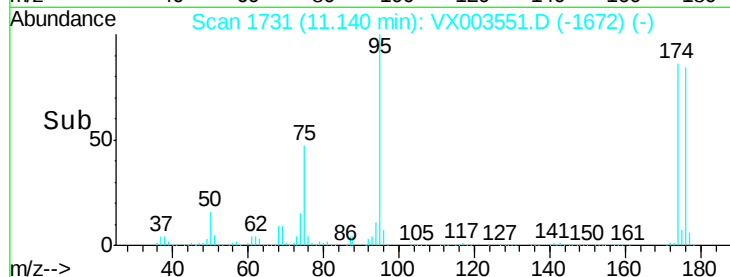
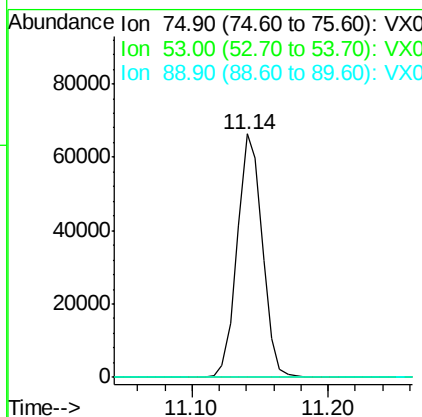
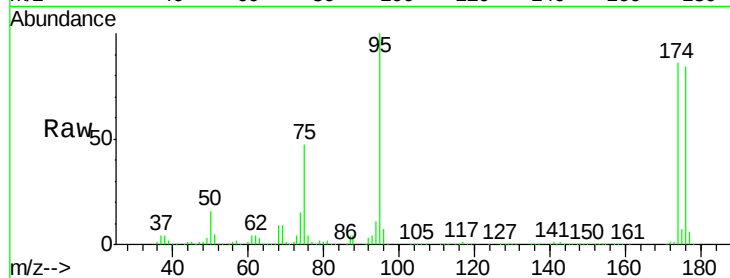




#81
trans-1,4-Dichloro-2-butene
Concen: 67.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

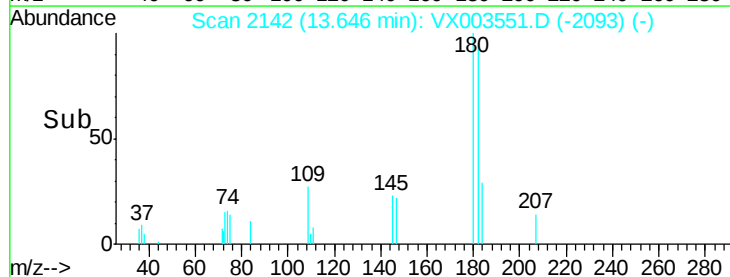
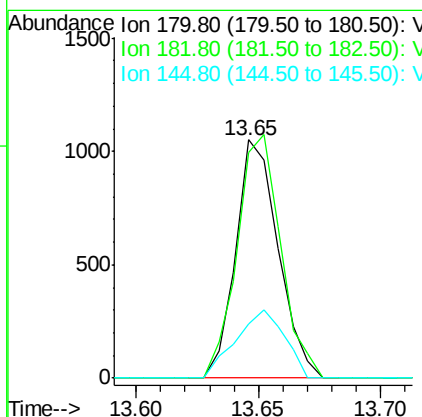
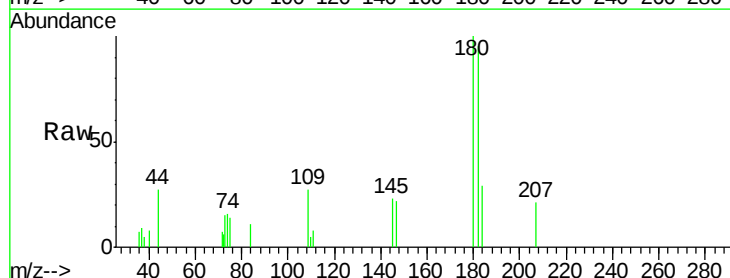
Instrument :
MSVOA_X
ClientSampleId :
SB-3-A

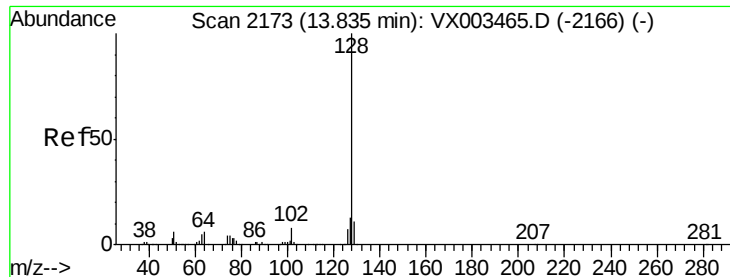
Tot Ion: 75 Resp: 84928
Ion Ratio Lower Upper
75 100
53 0.1 86.8 130.2#
89 0.0 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VX003551.D
Acq: 21 Jul 2018 13:35

Tgt Ion:180 Resp: 1272
Ion Ratio Lower Upper
180 100
182 105.0 47.7 143.1
145 32.9 14.1 42.4





#95

Naphthalene

Concen: 0.22 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

SB-3-A

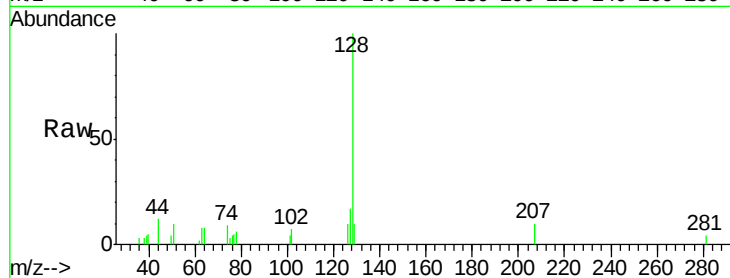
Tot Ion:128 Resp: 2971

Ion Ratio Lower Upper

128 100

127 15.4 10.4 15.6

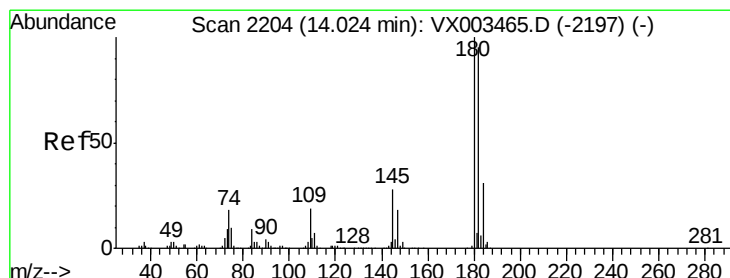
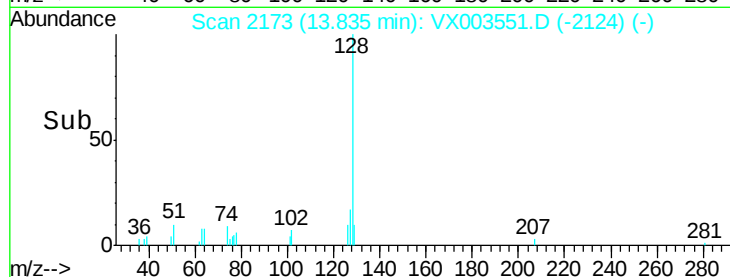
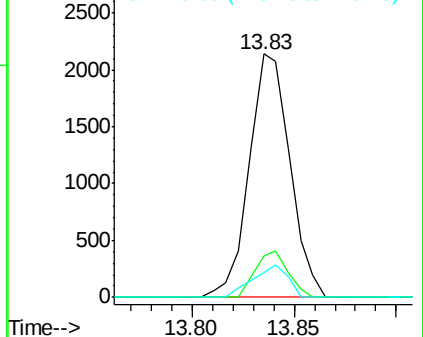
129 11.2 8.6 13.0



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: 0.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003551.D

Acq: 21 Jul 2018 13:35

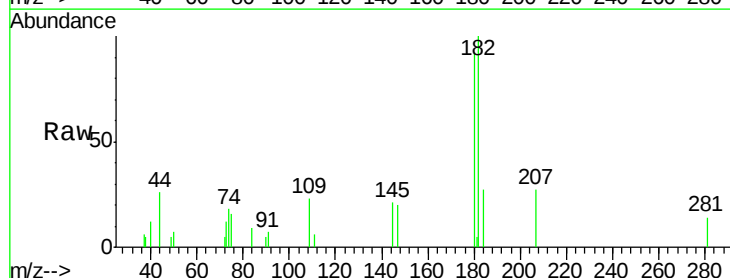
Tgt Ion:180 Resp: 1233

Ion Ratio Lower Upper

180 100

182 101.1 48.0 144.0

145 28.6 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

