

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001533.D
 Acq On : 09 May 2018 00:41
 Operator : JC/MD
 Sample : J2671-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-02-050718-A

Quant Time: May 09 06:52:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152471	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	161742	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	5.51	113	126741	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	
50) Toluene-d8	8.72	98	449183	42.69	ug/l	0.00
Spiked Amount			Recovery	=	85.38%	
62) 4-Bromofluorobenzene	11.14	95	145051	35.91	ug/l	0.00
Spiked Amount			Recovery	=	71.82%	

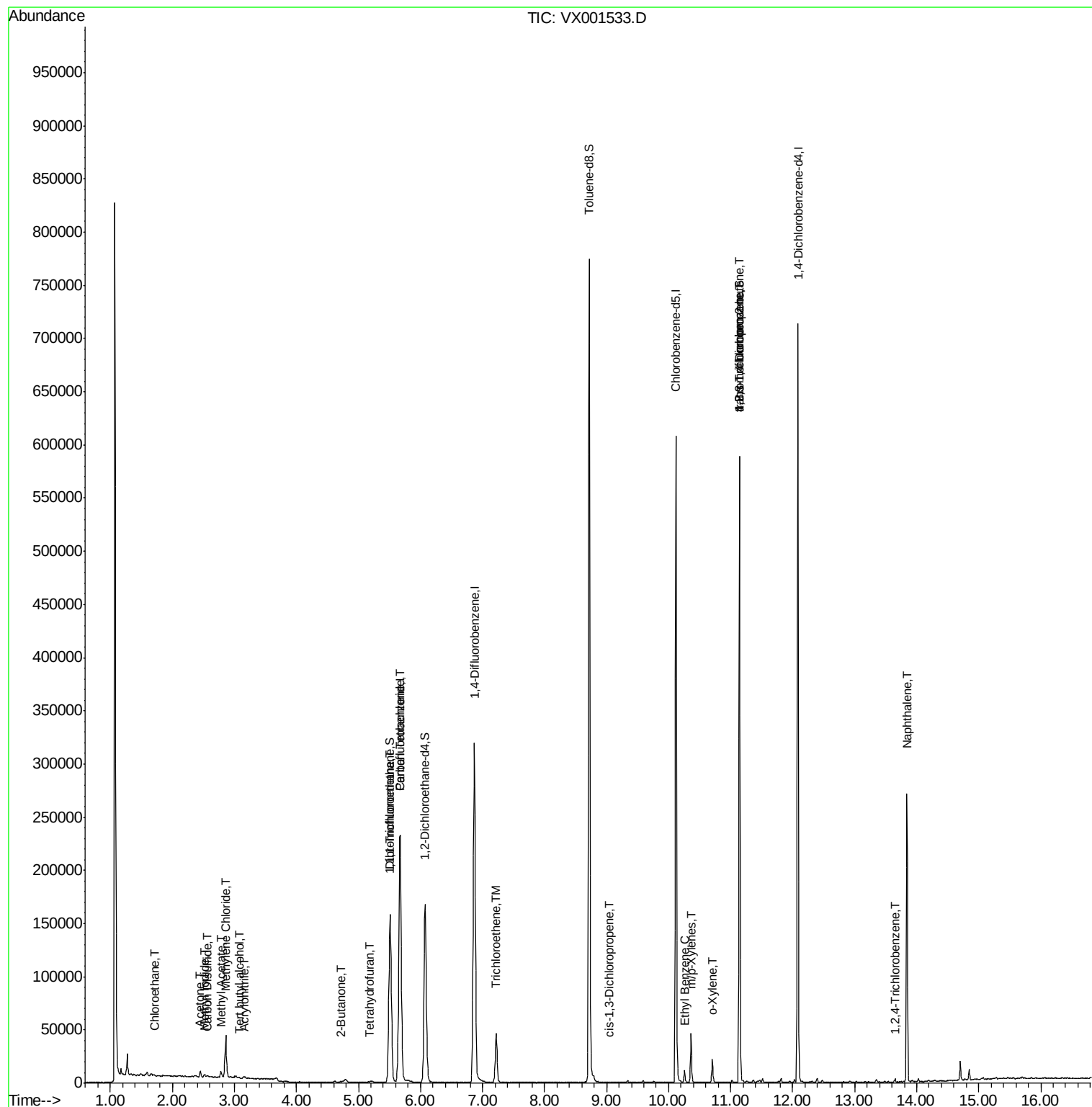
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1342	Below Cal		84
6) Chloroethane	1.71	64	518	0.24 ug/l	#	80
10) Methyl Iodide	2.52	142	2545	0.60 ug/l		98
11) Tert butyl alcohol	3.09	59	406	0.55 ug/l		99
13) Acrolein	2.31	56	187	Below Cal	#	72
15) Acrylonitrile	3.15	53	786	0.47 ug/l	#	84
16) Acetone	2.45	43	5978	3.77 ug/l		91
17) Carbon Disulfide	2.57	76	1814	0.27 ug/l	#	86
18) Methyl Acetate	2.78	43	5809	1.40 ug/l		93
20) Methylene Chloride	2.86	84	17363	5.54 ug/l		98
25) 2-Butanone	4.72	43	1475	0.64 ug/l	#	79
29) Tetrahydrofuran	5.18	42	943	0.64 ug/l	#	83
32) 1,1,1-Trichloroethane	5.50	97	969	0.21 ug/l	#	41
38) Carbon Tetrachloride	5.67	117	21047	4.79 ug/l	#	16
44) Trichloroethene	7.22	130	18116	4.92 ug/l		94
54) cis-1,3-Dichloropropene	9.04	75	297	2.32 ug/l	#	43
67) Ethyl Benzene	10.26	91	6163	0.45 ug/l		94
68) m/p-Xylenes	10.36	106	10564	1.95 ug/l		97
69) o-Xylene	10.71	106	4770	0.91 ug/l		99
76) 1,2,3-Trichloropropane	11.14	75	71666	23.18 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	71666	71.84 ug/l	#	7
93) 1,2,4-Trichlorobenzene	13.65	180	844	0.21 ug/l		99
95) Naphthalene	13.84	128	167024	14.79 ug/l		100

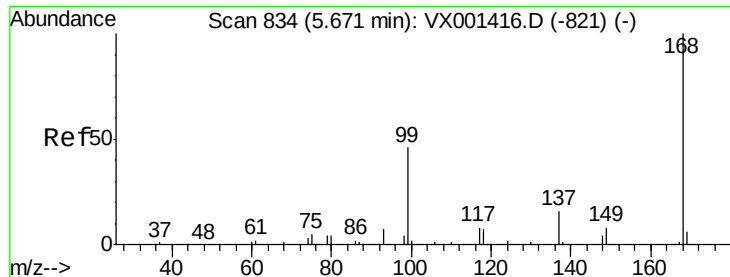
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 06:52:16 2018
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Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

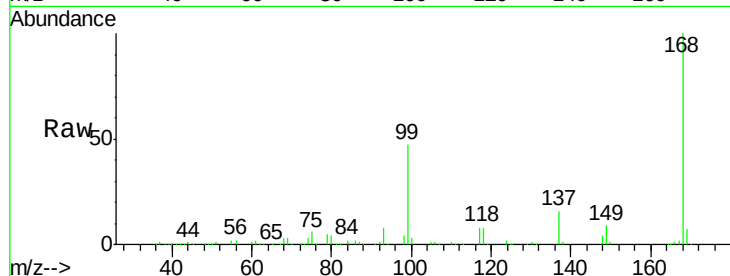
AU-02-050718-A

Tgt Ion:168 Resp: 242694

Ion Ratio Lower Upper

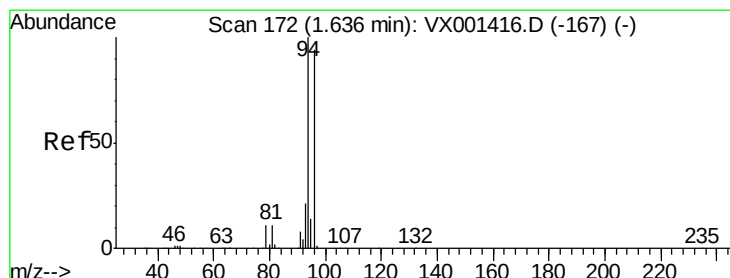
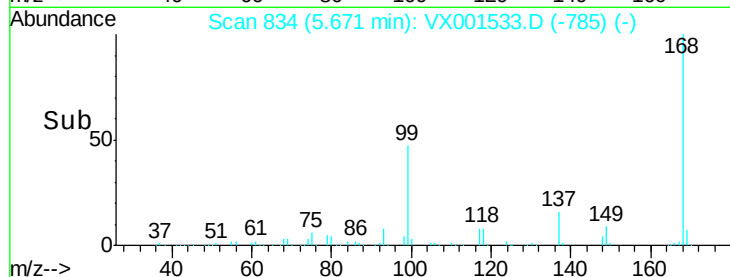
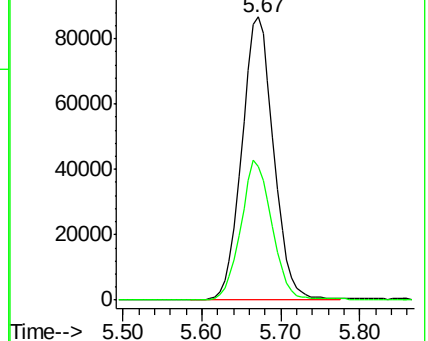
168 100

99 47.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001533.D

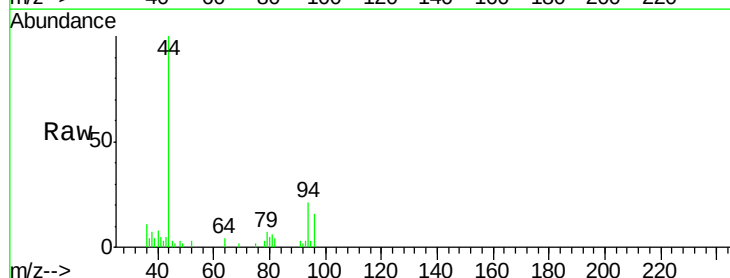
Acq: 09 May 2018 00:41

Tgt Ion: 94 Resp: 1342

Ion Ratio Lower Upper

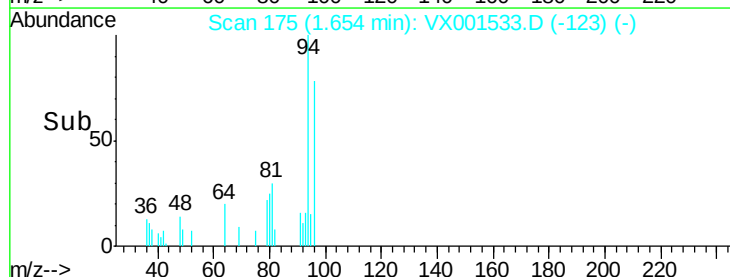
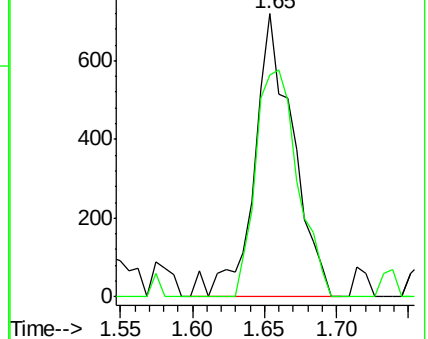
94 100

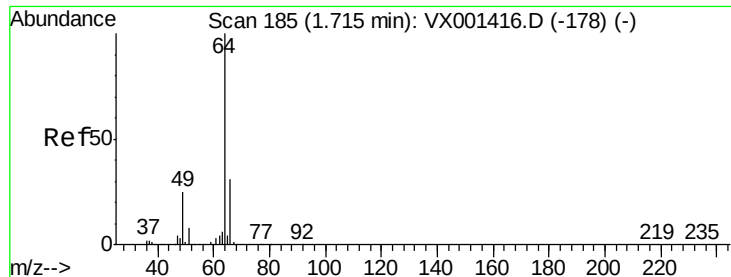
96 78.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.24 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampled :

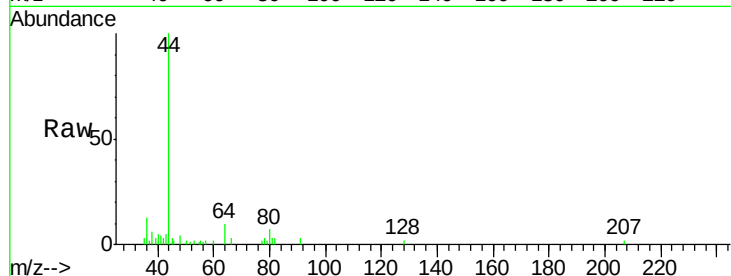
AU-02-050718-A

Tgt Ion: 64 Resp: 518

Ion Ratio Lower Upper

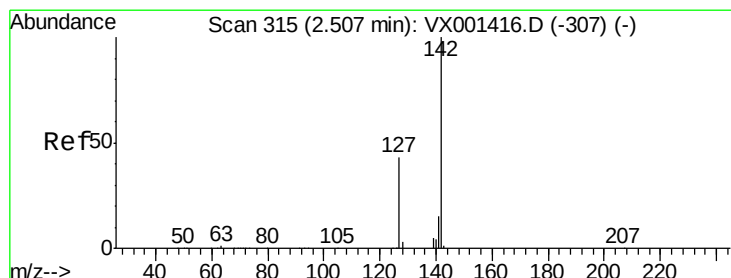
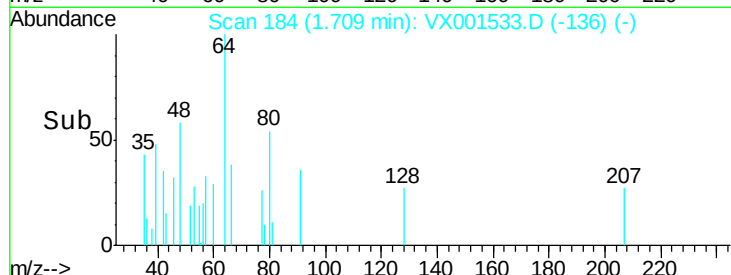
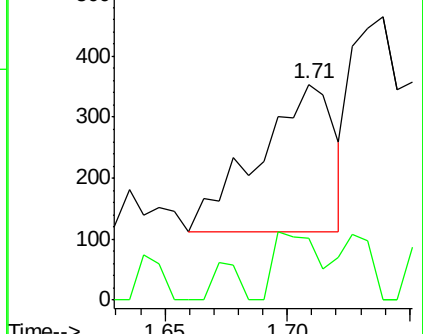
64 100

66 42.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.60 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

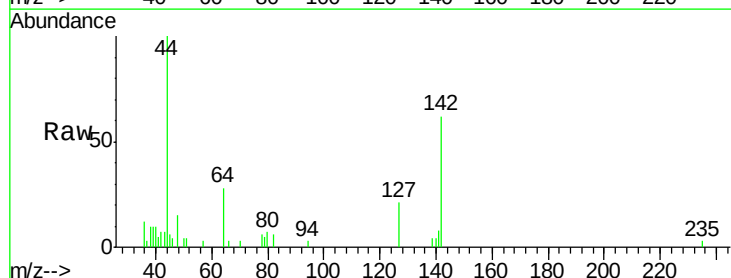
Tgt Ion: 142 Resp: 2545

Ion Ratio Lower Upper

142 100

127 43.3 33.6 50.4

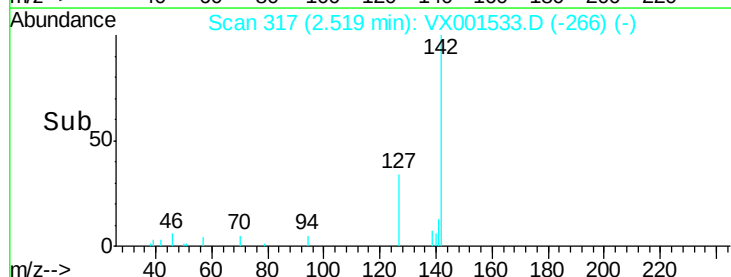
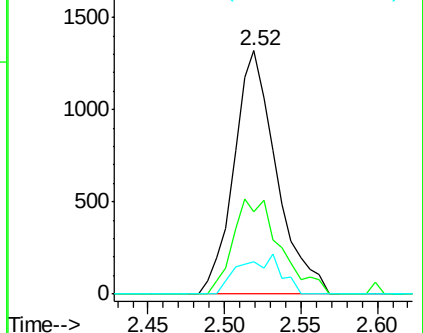
141 15.6 11.4 17.2

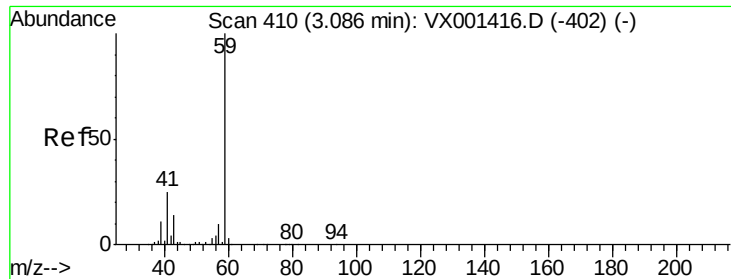


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

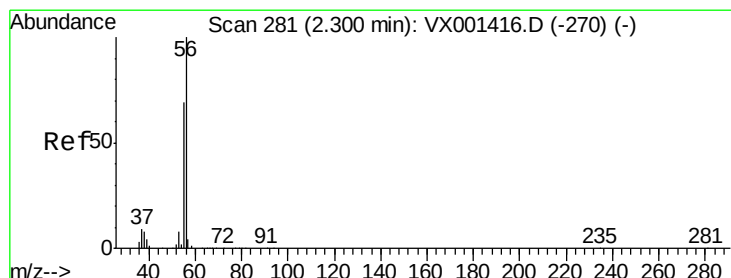
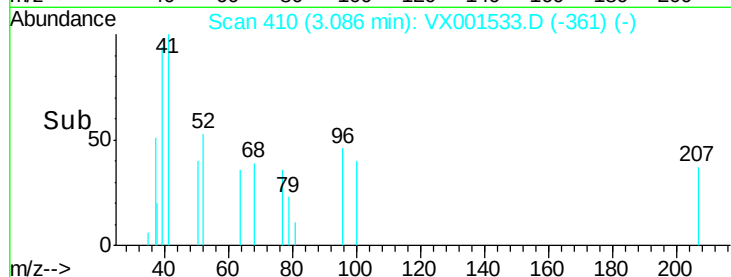
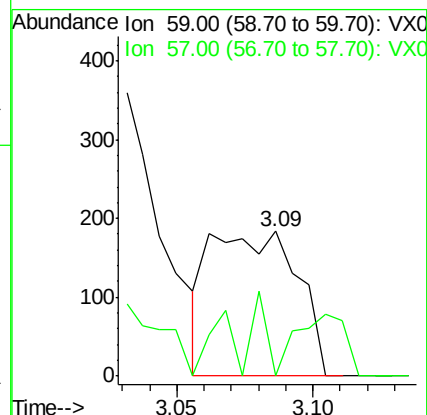
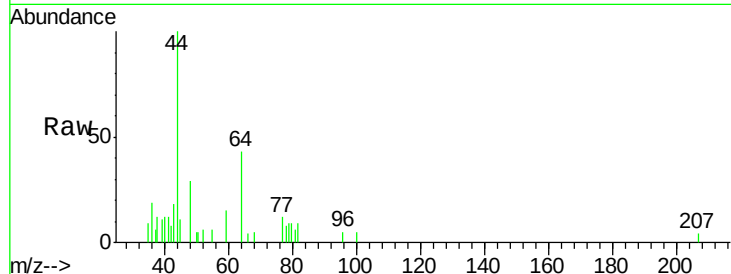




#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

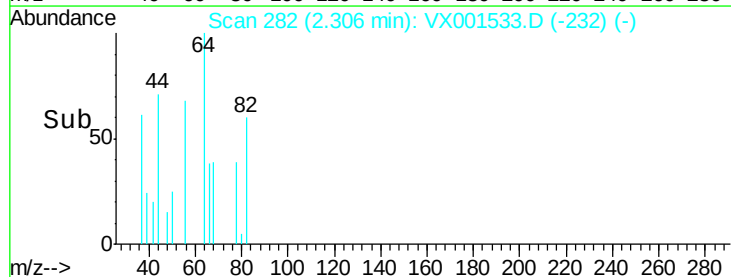
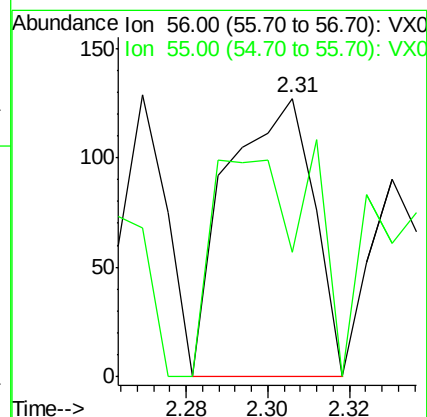
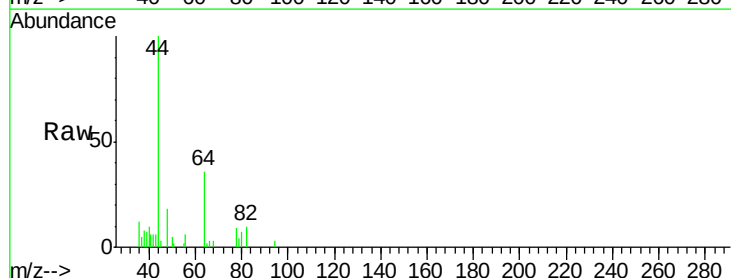
Instrument :
MSVOA_X
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AU-02-050718-A

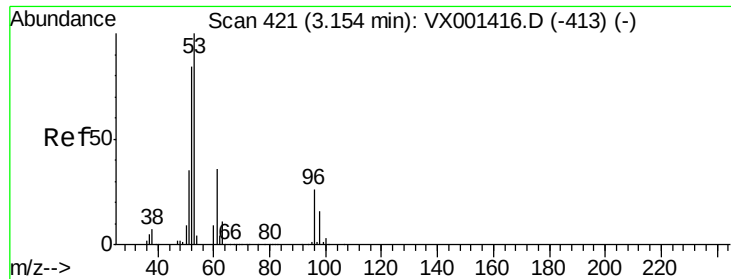
Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 90.4 54.5 81.7#





#15

Acrylonitrile

Concen: 0.47 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

AU-02-050718-A

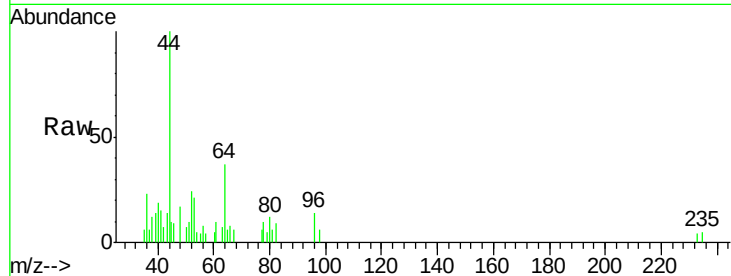
Tgt Ion: 53 Resp: 786

Ion Ratio Lower Upper

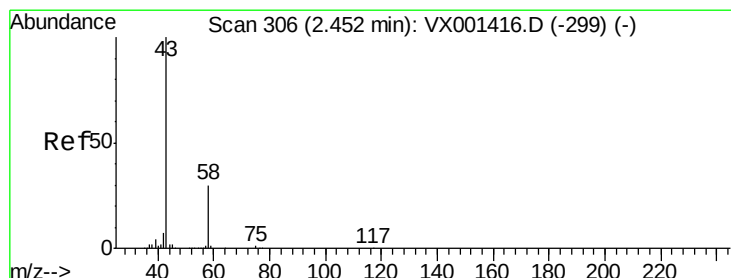
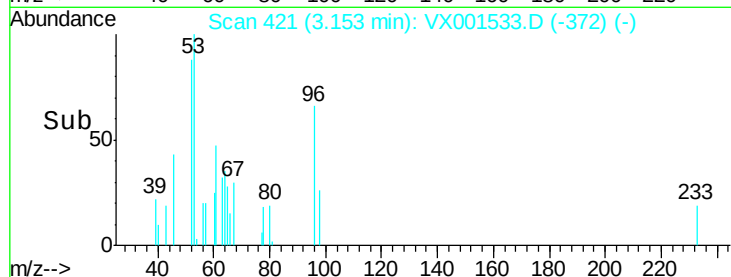
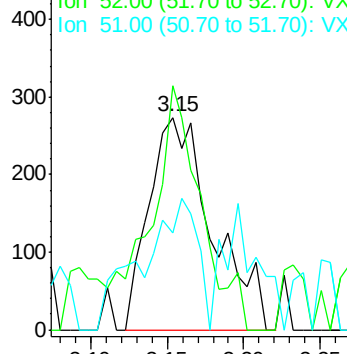
53 100

52 90.8 66.2 99.2

51 54.2 28.6 43.0#



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



#16

Acetone

Concen: 3.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001533.D

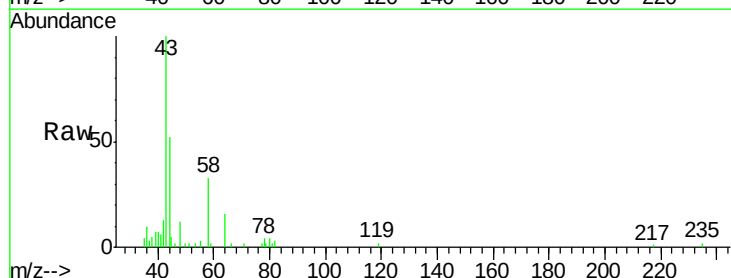
Acq: 09 May 2018 00:41

Tgt Ion: 43 Resp: 5978

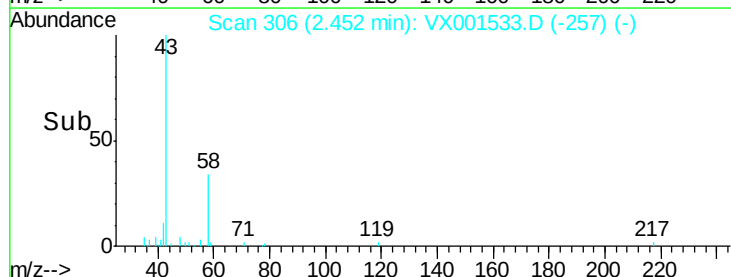
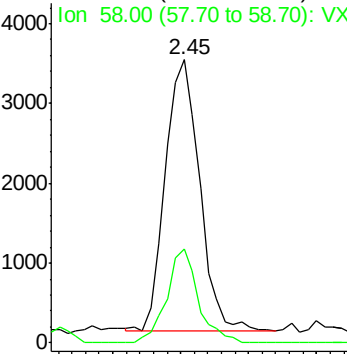
Ion Ratio Lower Upper

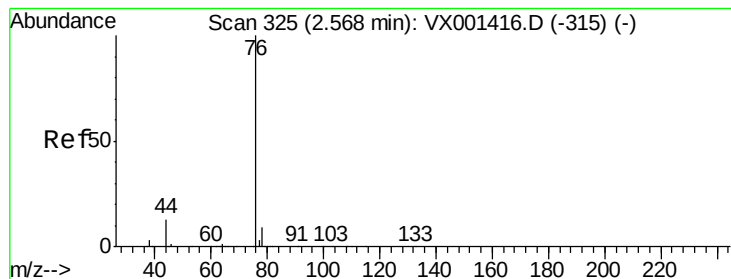
43 100

58 34.7 23.8 35.8



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





#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

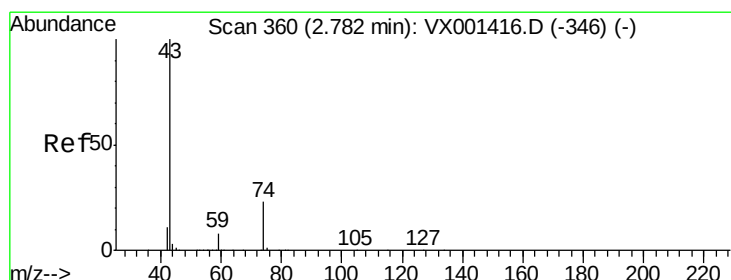
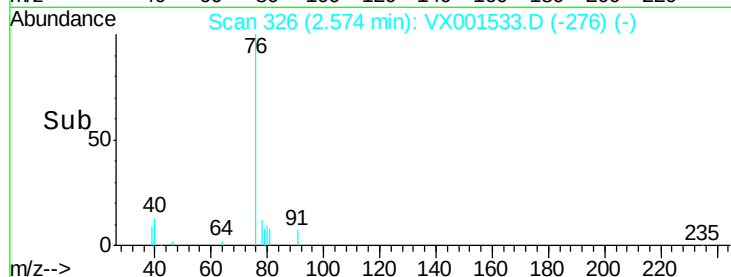
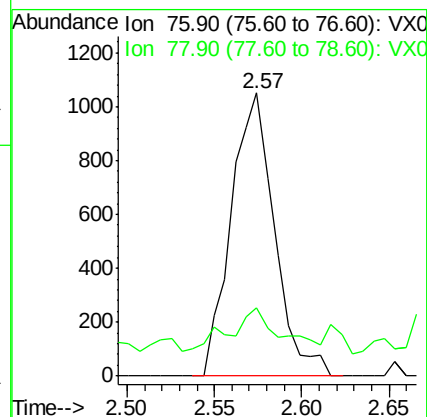
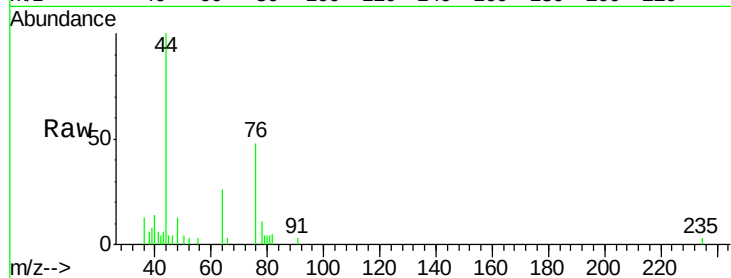
AU-02-050718-A

Tgt Ion: 76 Resp: 1814

Ion Ratio Lower Upper

76 100

78 14.5 7.4 11.2#



#18

Methyl Acetate

Concen: 1.40 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001533.D

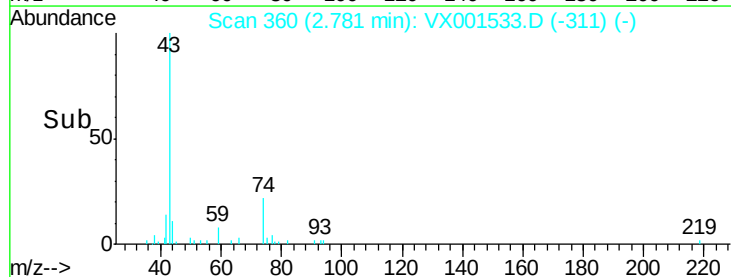
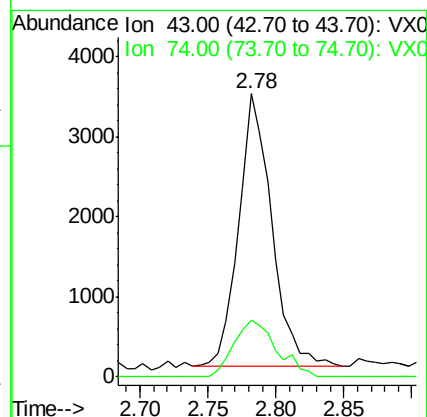
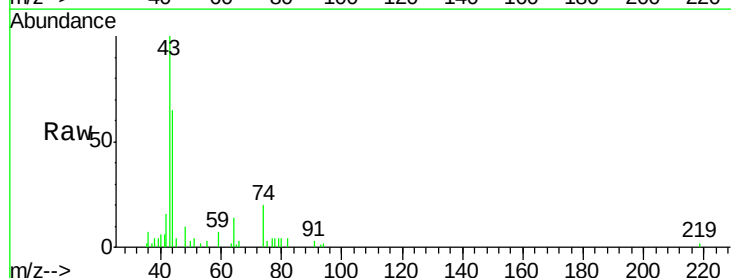
Acq: 09 May 2018 00:41

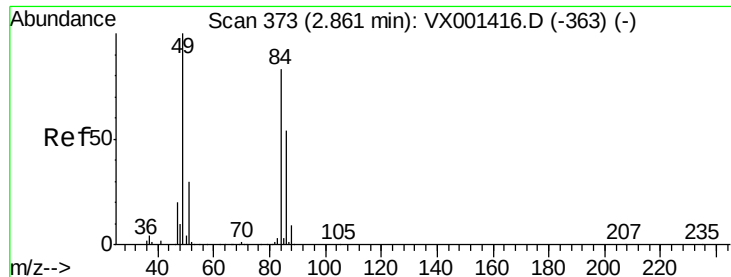
Tgt Ion: 43 Resp: 5809

Ion Ratio Lower Upper

43 100

74 26.6 18.6 27.8





#20

Methylene Chloride

Concen: 5.54 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

AU-02-050718-A

Tgt Ion: 84 Resp: 17363

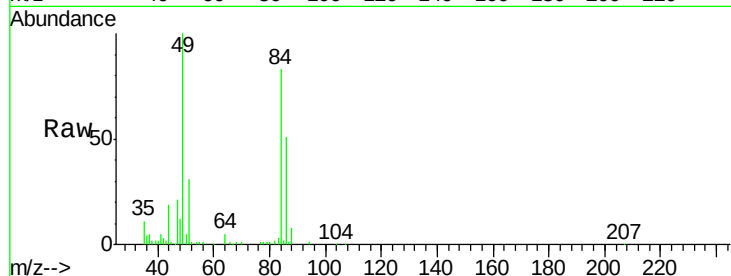
Ion Ratio Lower Upper

84 100

49 119.9 96.6 144.8

51 37.8 29.0 43.4

86 61.2 52.2 78.4

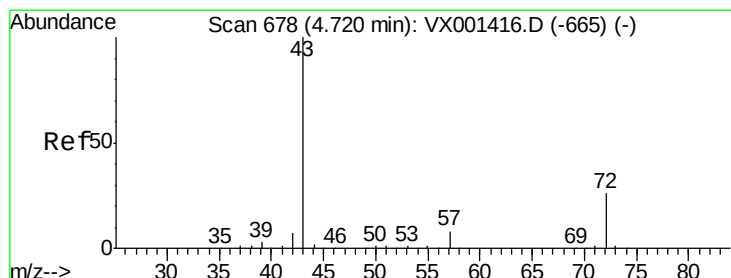
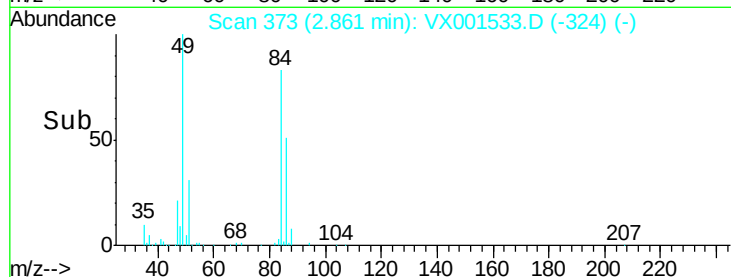
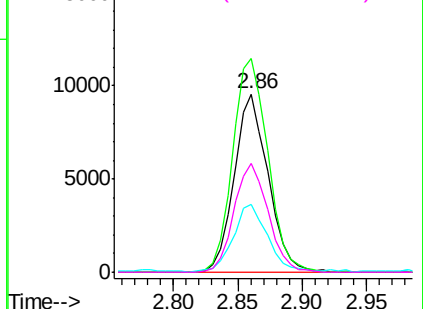


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.64 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001533.D

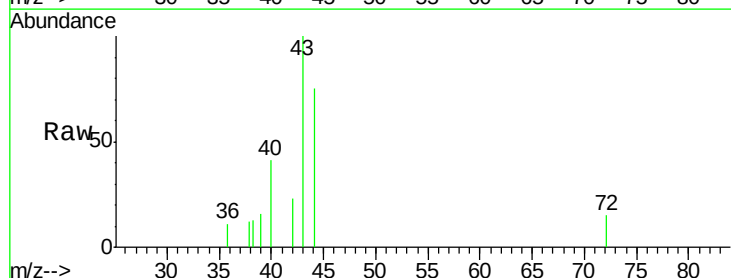
Acq: 09 May 2018 00:41

Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

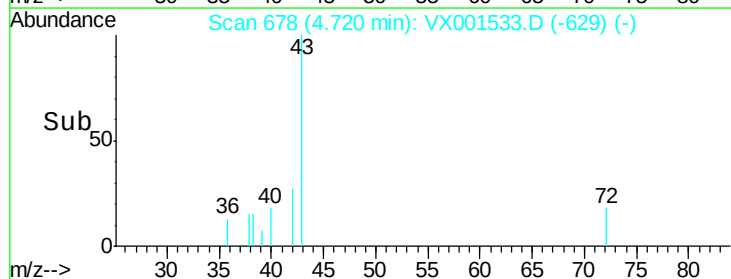
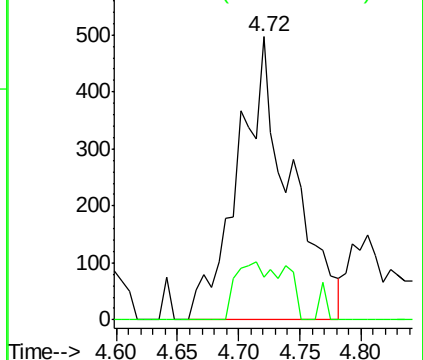
43 100

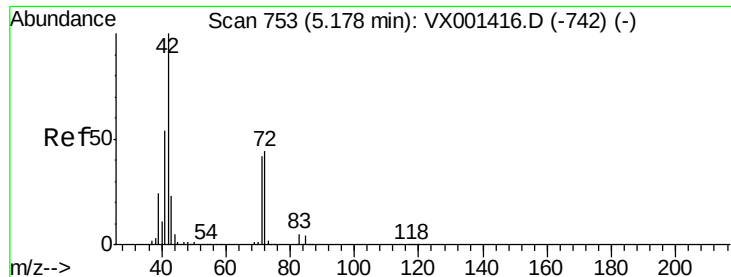
72 15.1 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

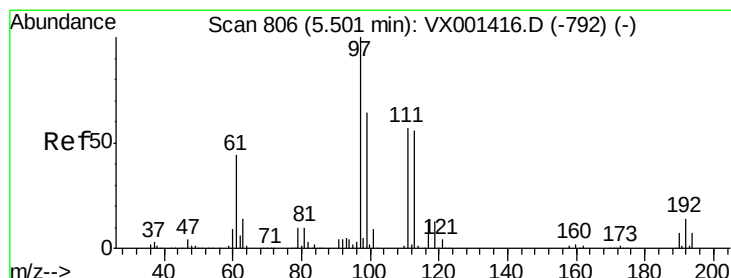
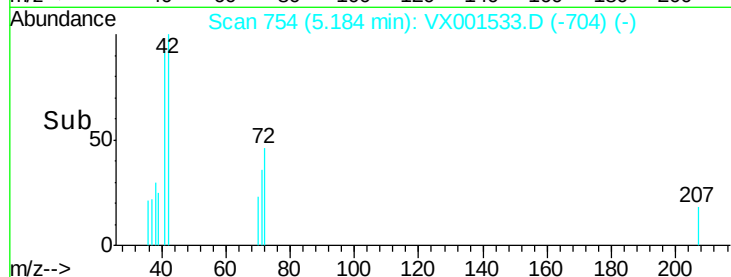
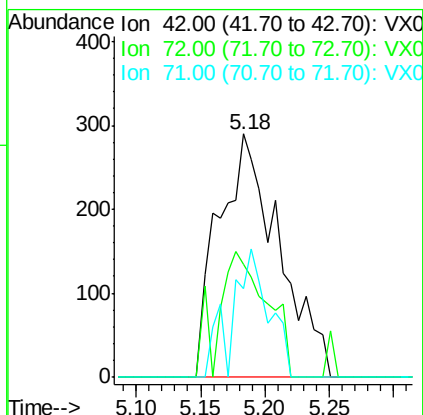
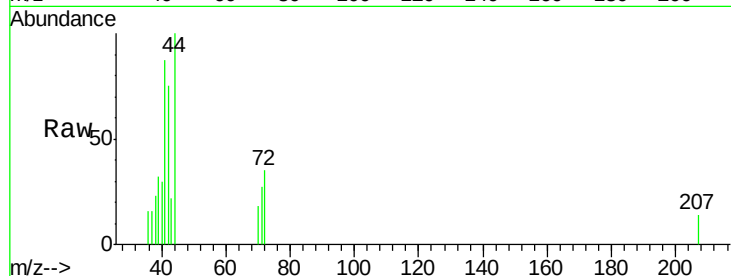
Instrument :

MSVOA_X

ClientSampleId :

AU-02-050718-A

Tgt Ion:	42	Resp:	943
Ion	Ratio	Lower	Upper
42	100		
72	37.2	35.4	53.2
71	26.9	33.0	49.4#



#32

1,1,1-Trichloroethane

Concen: 0.21 ug/l

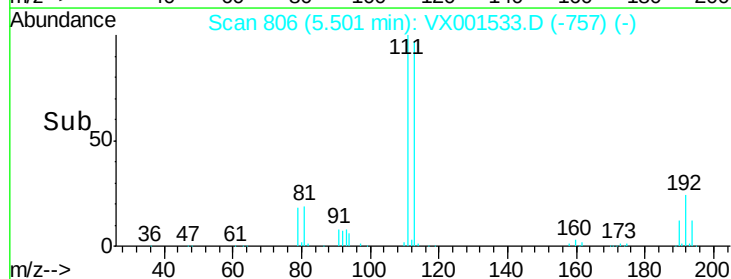
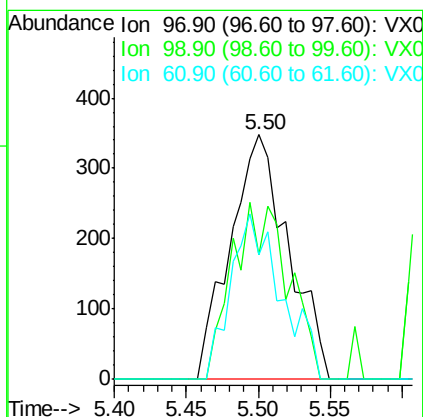
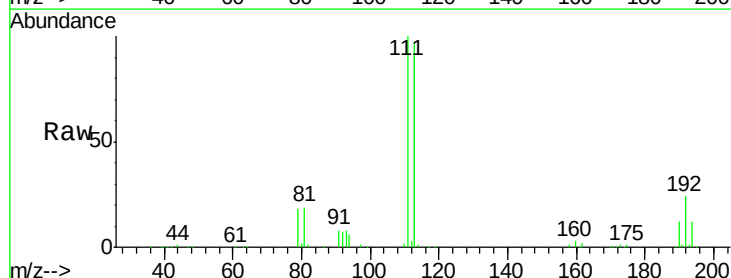
RT: 5.50 min Scan# 806

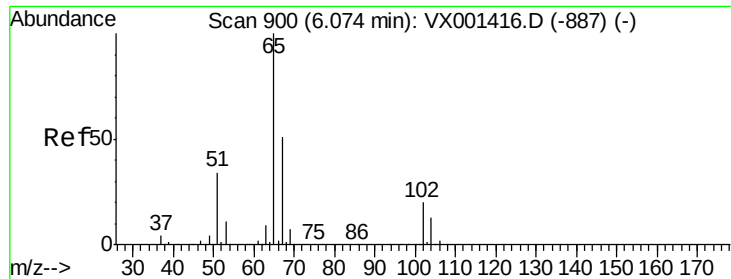
Delta R.T. -0.00 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Tgt Ion:	97	Resp:	969
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	59.2	34.8	52.2#

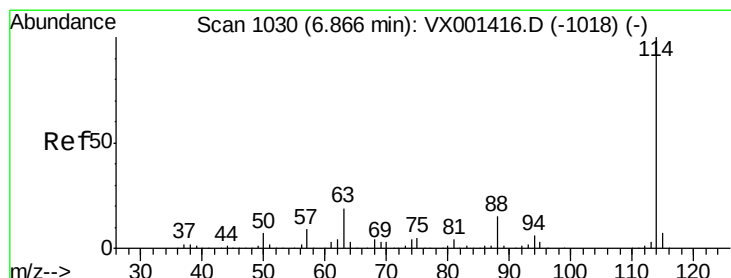
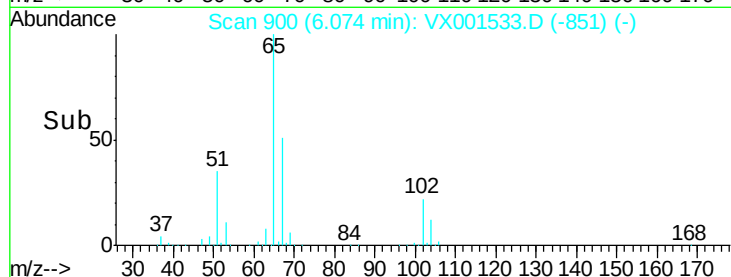
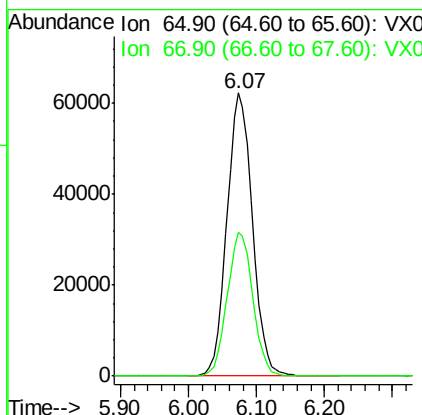
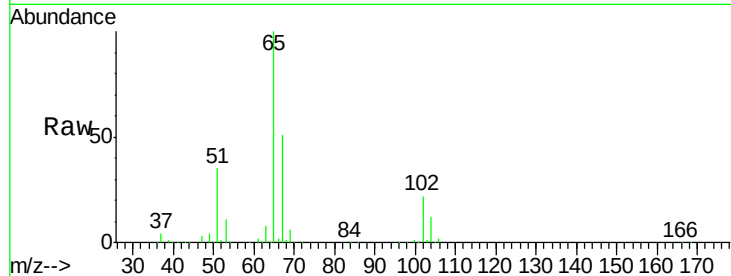




#33
 1,2-Dichloroethane-d4
 Concen: 46.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001533.D
 Acq: 09 May 2018 00:41

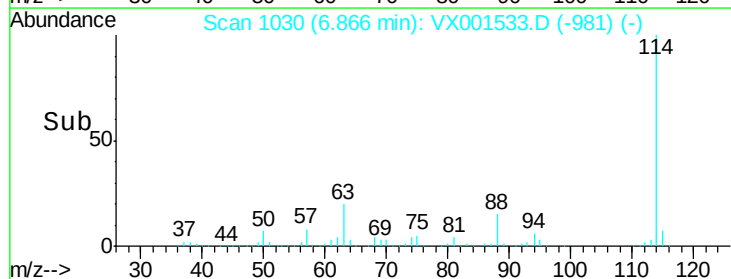
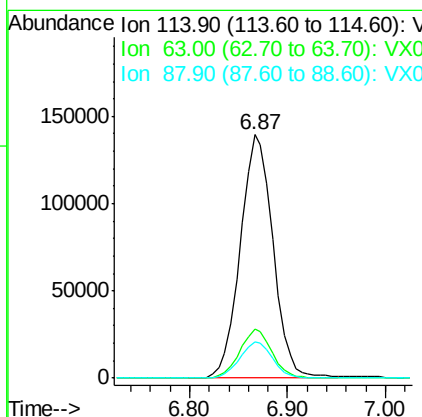
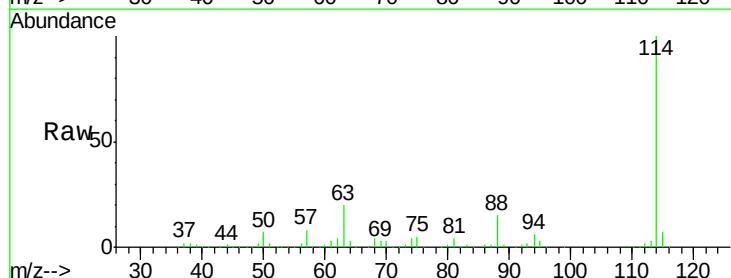
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-02-050718-A

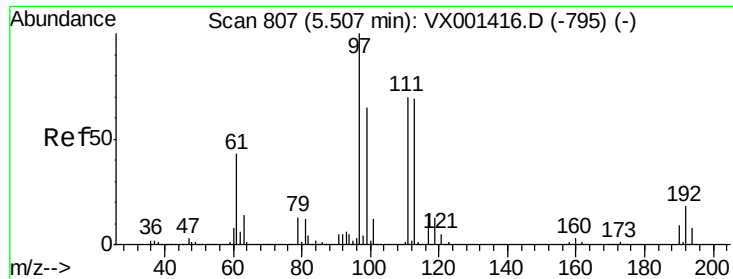
Tgt Ion: 65 Resp: 161742
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001533.D
 Acq: 09 May 2018 00:41

Tgt Ion: 114 Resp: 324056
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.6
 88 15.0 0.0 30.8

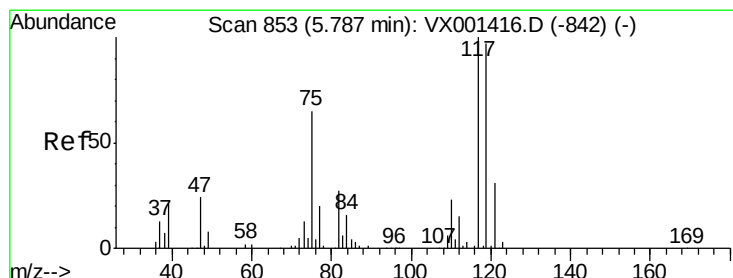
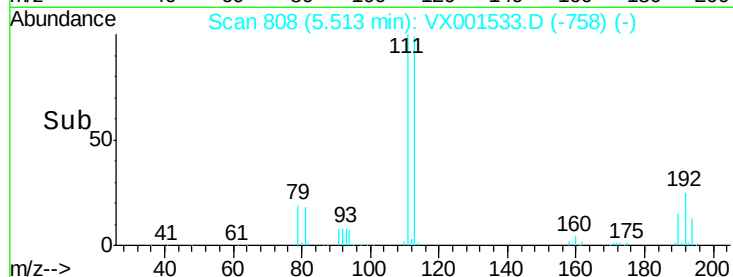
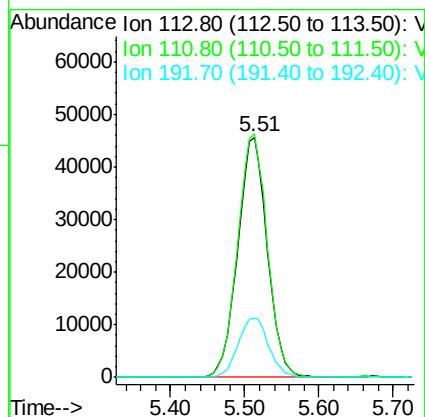
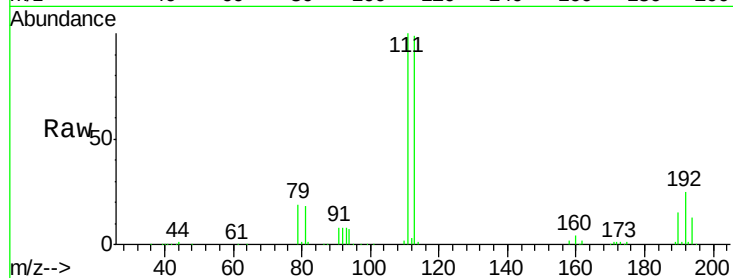




#35
 Dibromofluoromethane
 Concen: 43.97 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001533.D
 Acq: 09 May 2018 00:41

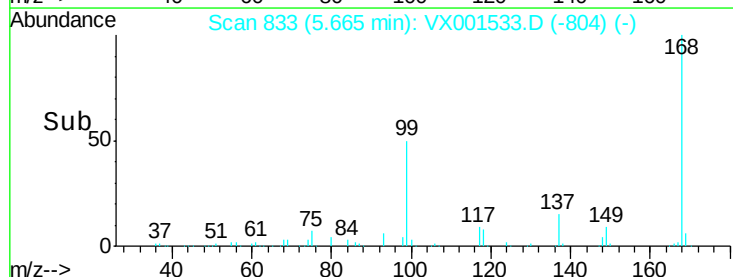
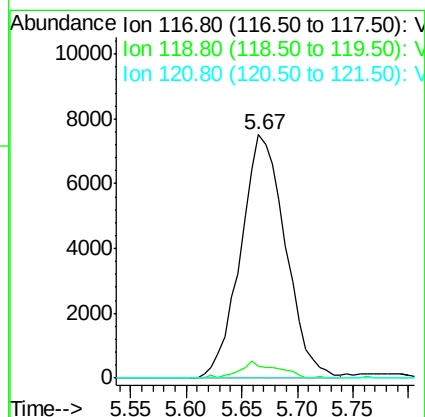
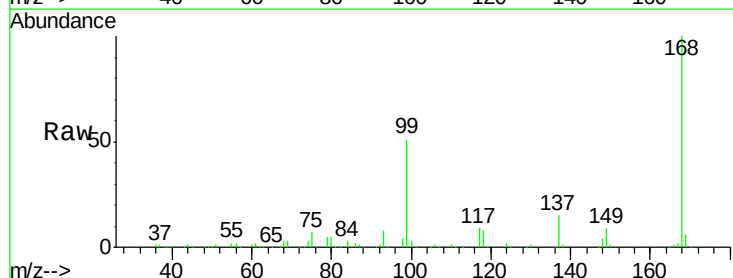
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-02-050718-A

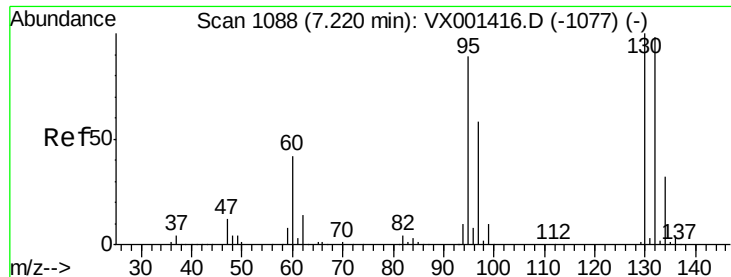
Tgt Ion:113 Resp: 126741
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.2
 192 25.7 21.4 32.0



#38
 Carbon Tetrachloride
 Concen: 4.79 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001533.D
 Acq: 09 May 2018 00:41

Tgt Ion:117 Resp: 21047
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.0 115.6#
 121 0.0 25.1 37.7#





#44

Trichloroethene

Concen: 4.92 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

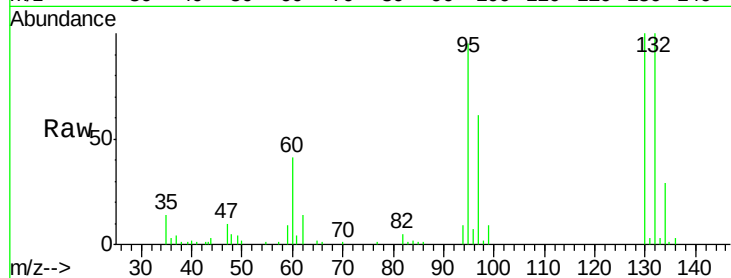
AU-02-050718-A

Tgt Ion:130 Resp: 18116

Ion Ratio Lower Upper

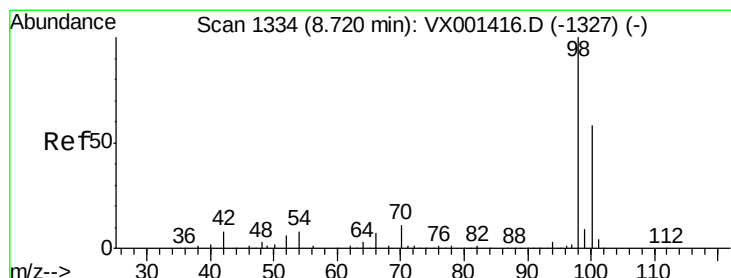
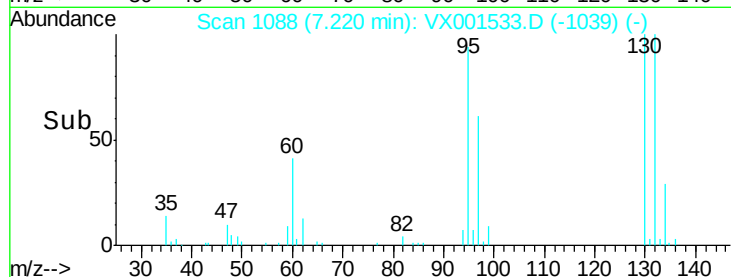
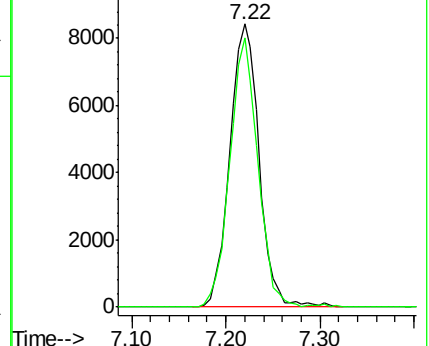
130 100

95 95.1 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 42.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001533.D

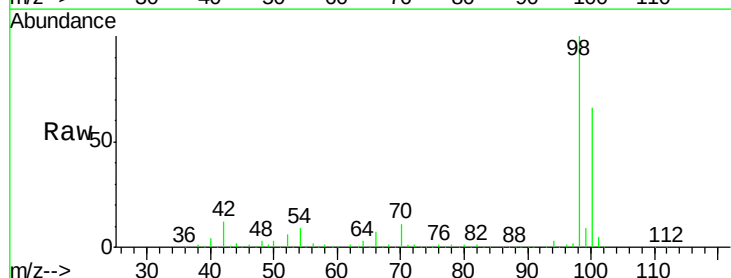
Acq: 09 May 2018 00:41

Tgt Ion: 98 Resp: 449183

Ion Ratio Lower Upper

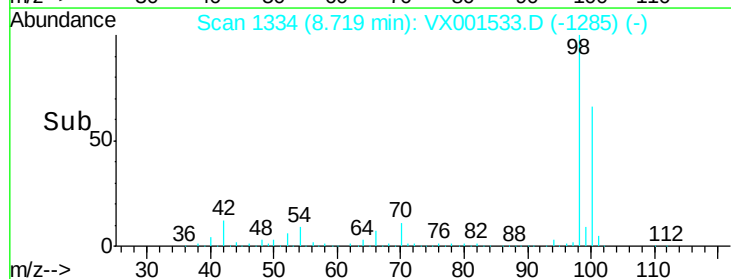
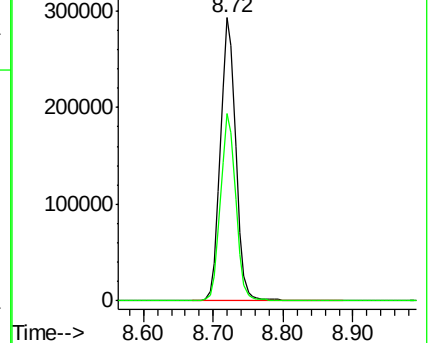
98 100

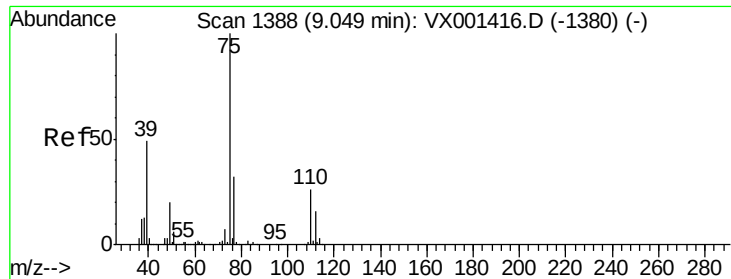
100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



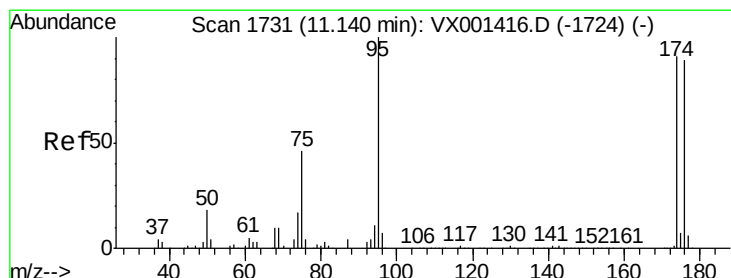
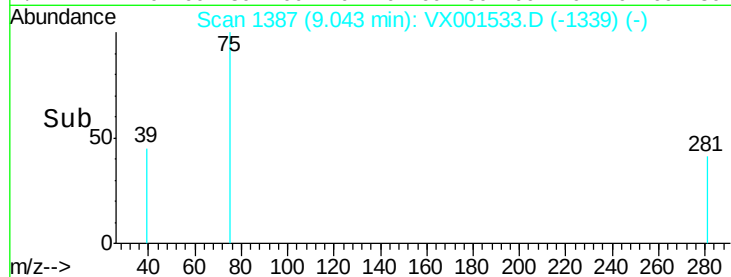
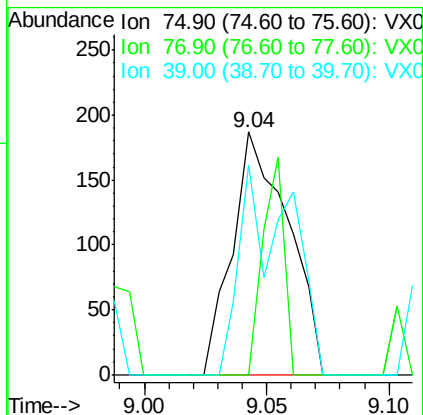
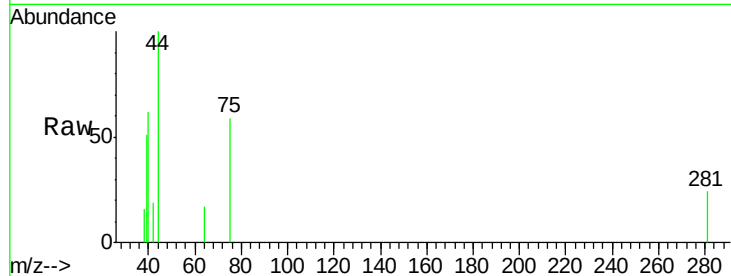


#54

cis-1,3-Dichloropropene
Concen: 2.32 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Instrument :
MSVOA_X
ClientSampleId :
AU-02-050718-A

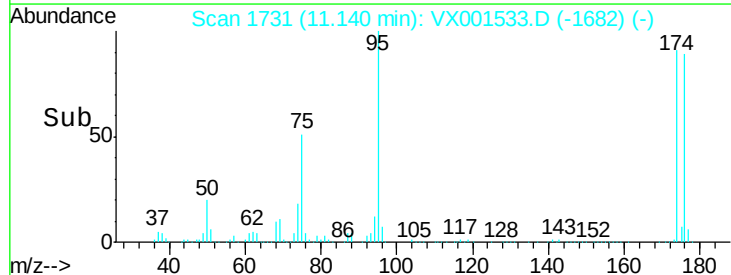
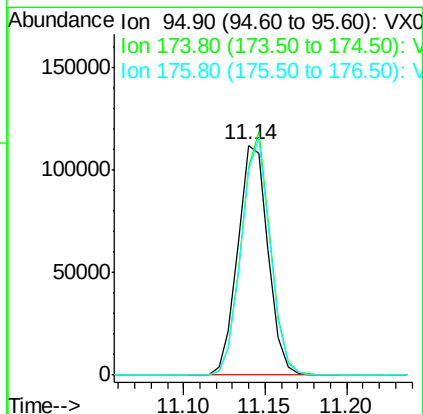
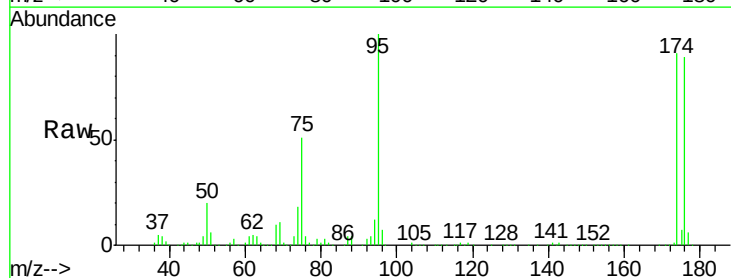
Tgt Ion: 75 Resp: 297
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 86.6 38.9 58.3#

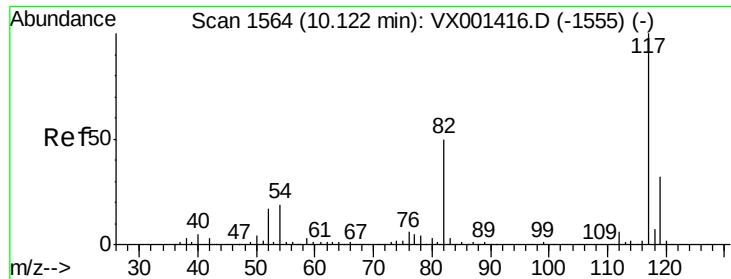


#62

4-Bromofluorobenzene
Concen: 35.91 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Tgt Ion: 95 Resp: 145051
Ion Ratio Lower Upper
95 100
174 101.6 0.0 202.0
176 98.9 0.0 197.4

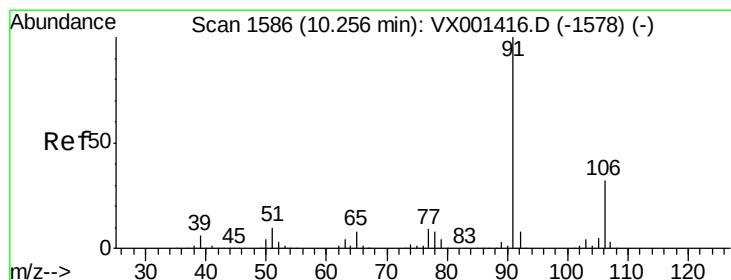
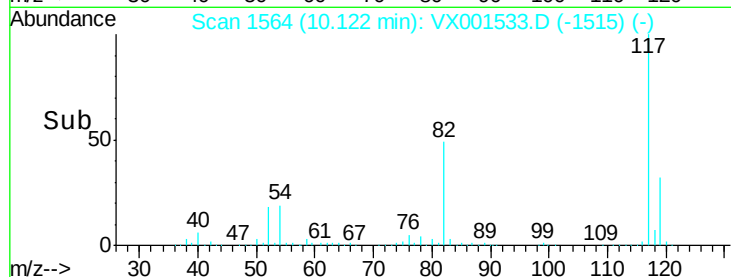
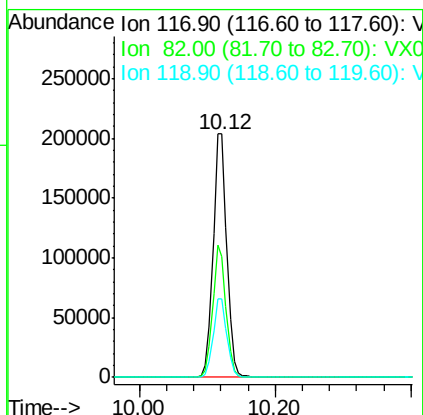
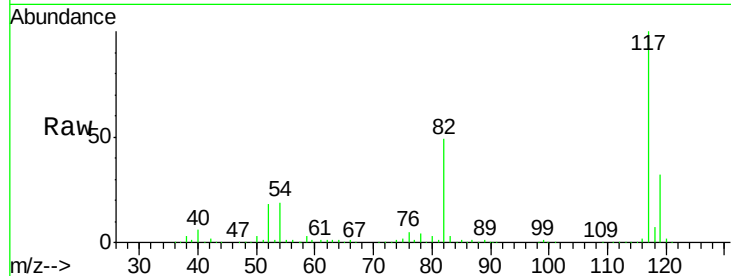




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

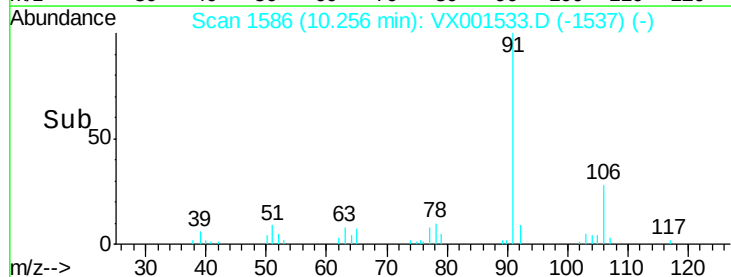
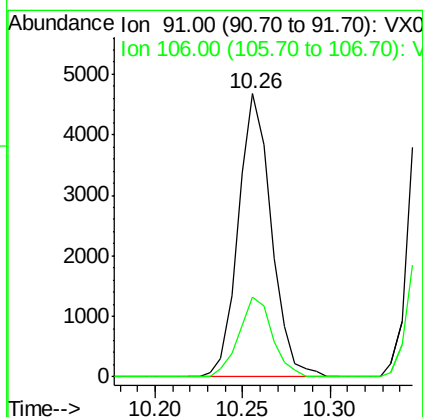
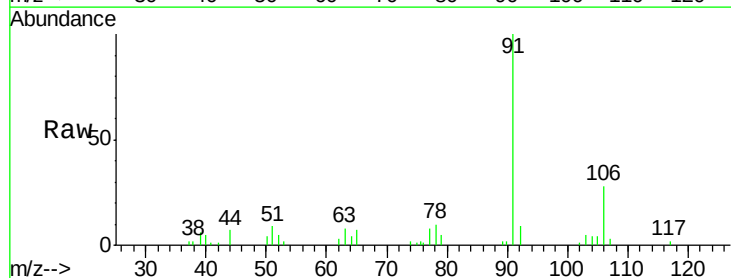
Instrument :
MSVOA_X
ClientSampled :
AU-02-050718-A

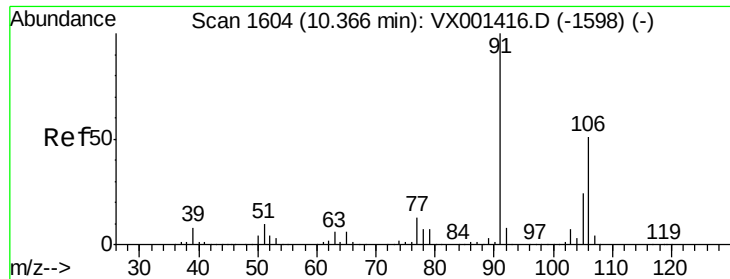
Tgt Ion: 117 Resp: 285110
Ion Ratio Lower Upper
117 100
82 49.4 40.0 60.0
119 32.2 25.8 38.8



#67
Ethyl Benzene
Concen: 0.45 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Tgt Ion: 91 Resp: 6163
Ion Ratio Lower Upper
91 100
106 28.4 25.5 38.3

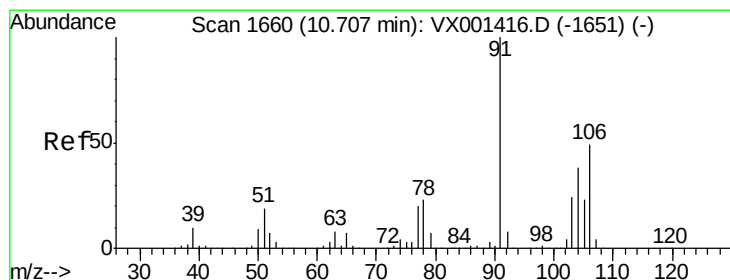
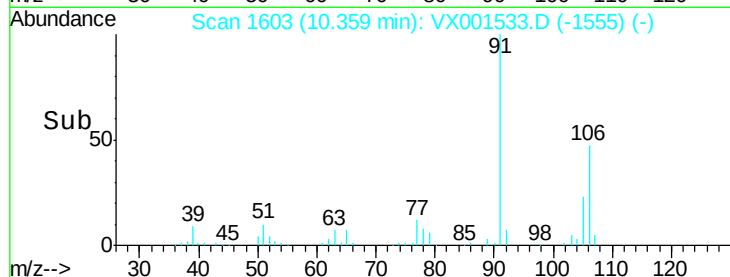
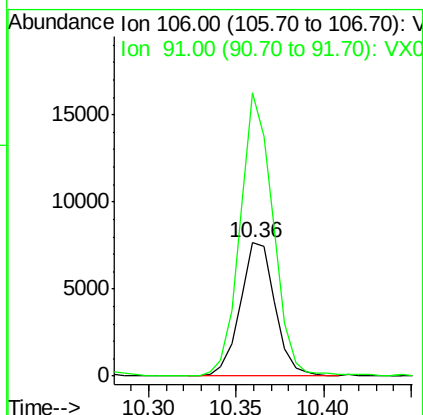
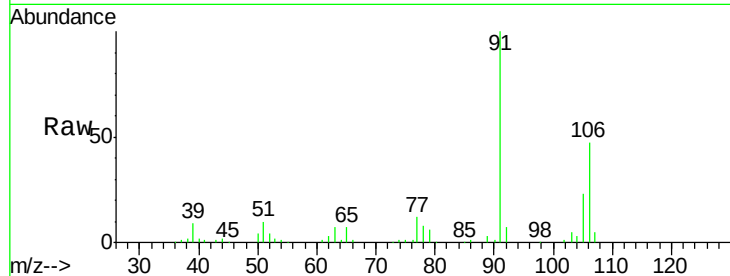




#68
m/p-Xylenes
Concen: 1.95 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

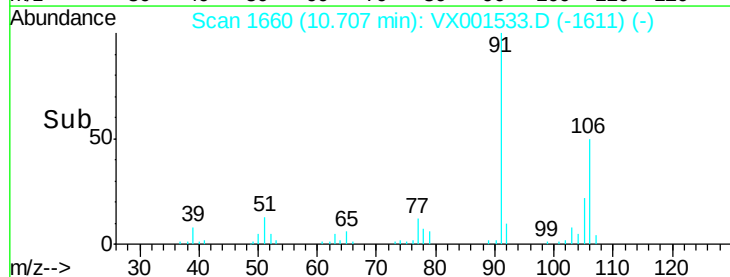
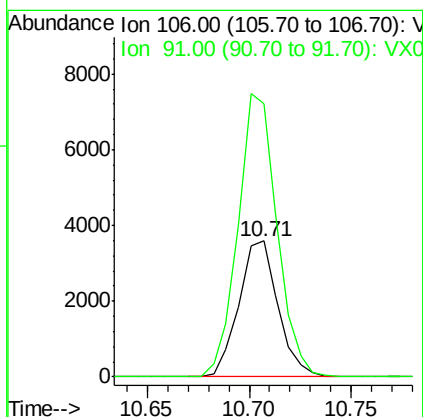
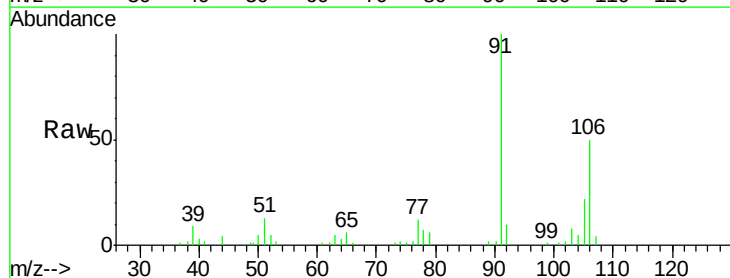
Instrument :
MSVOA_X
ClientSampleId :
AU-02-050718-A

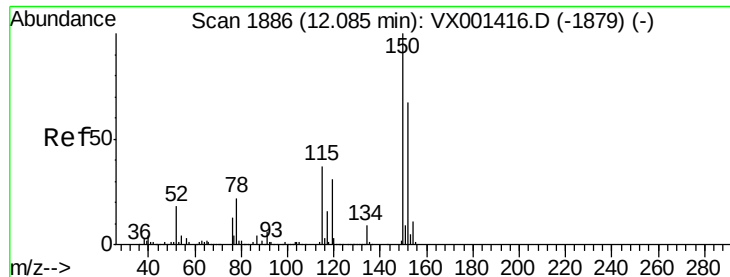
Tgt Ion:106 Resp: 10564
Ion Ratio Lower Upper
106 100
91 201.4 157.5 236.3



#69
o-Xylene
Concen: 0.91 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Tgt Ion:106 Resp: 4770
Ion Ratio Lower Upper
106 100
91 208.1 103.1 309.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001533.D

Acq: 09 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

AU-02-050718-A

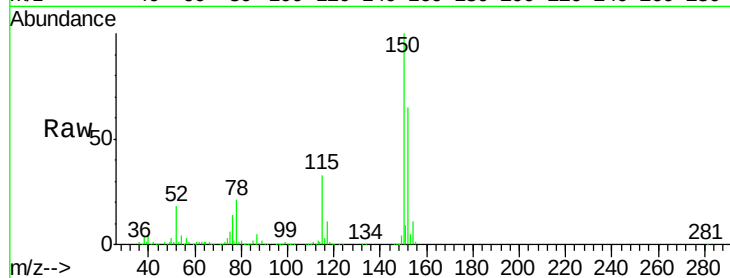
Tgt Ion:152 Resp: 152471

Ion Ratio Lower Upper

152 100

115 52.1 37.7 113.1

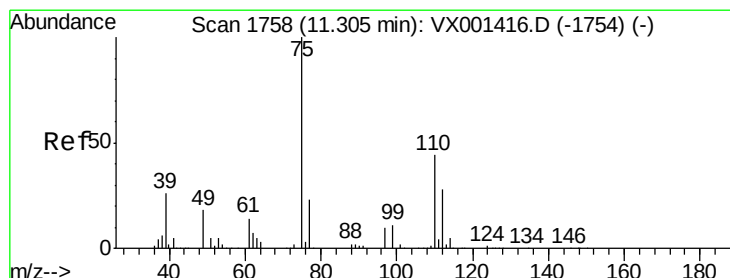
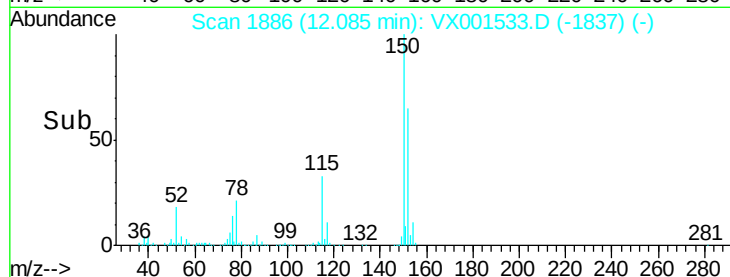
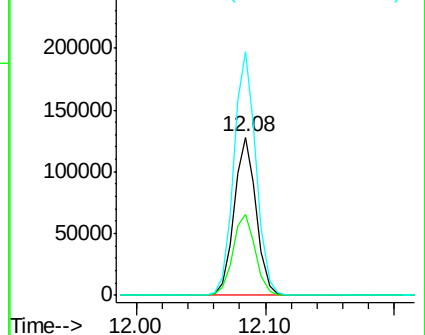
150 155.4 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 23.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001533.D

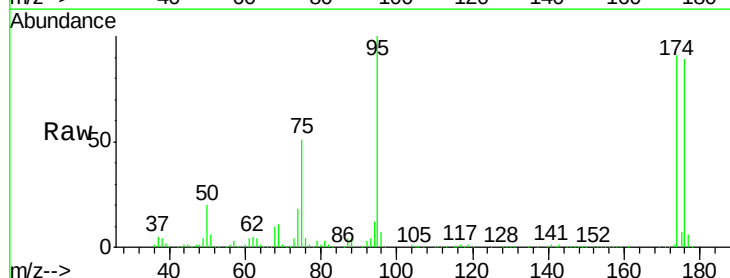
Acq: 09 May 2018 00:41

Tgt Ion: 75 Resp: 71666

Ion Ratio Lower Upper

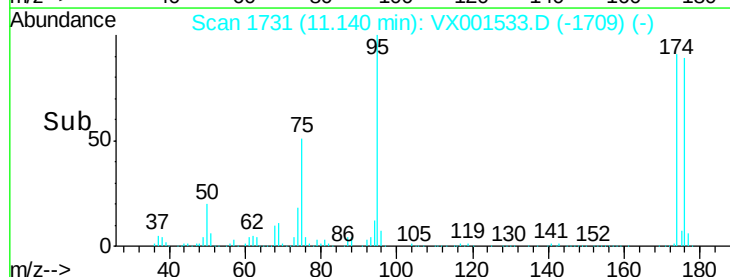
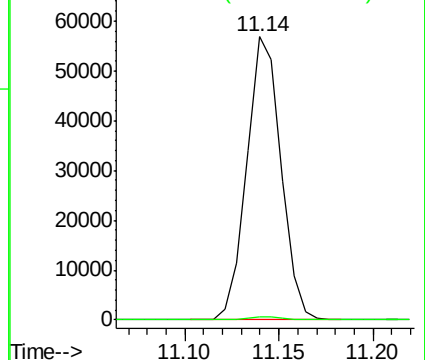
75 100

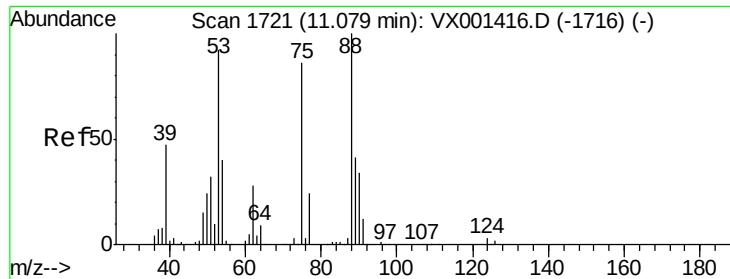
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

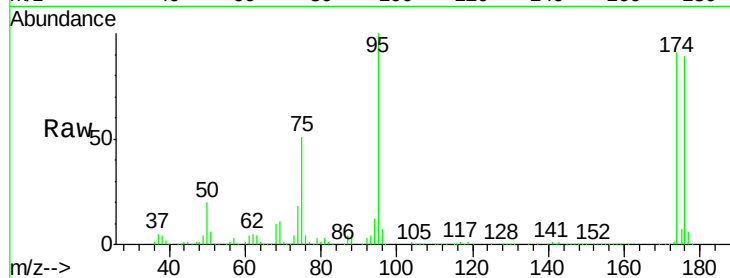




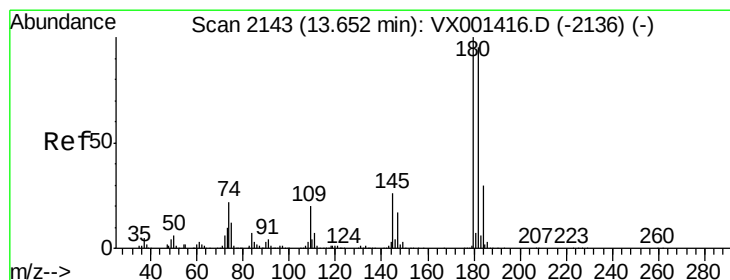
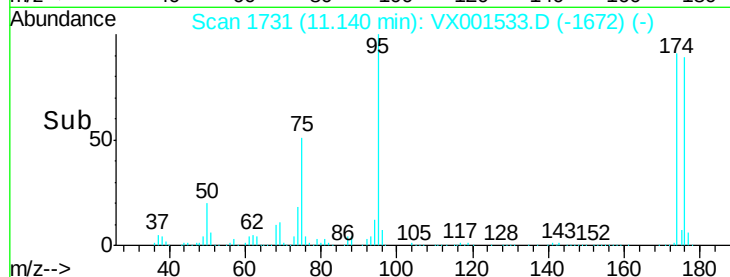
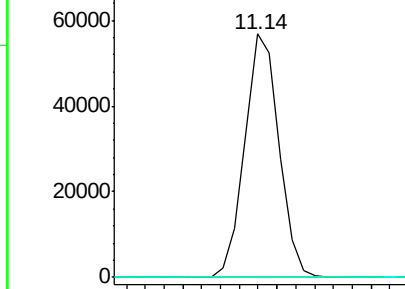
#81
trans-1,4-Dichloro-2-butene
Concen: 71.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Instrument :
MSVOA_X
ClientSampleId :
AU-02-050718-A

Tgt Ion: 75 Resp: 71666
Ion Ratio Lower Upper
75 100
53 0.1 84.5 126.7#
89 0.0 39.5 59.3#

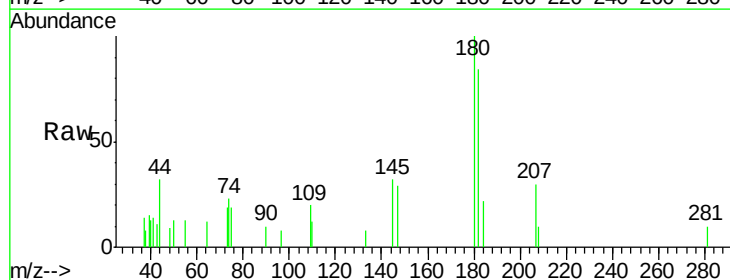


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

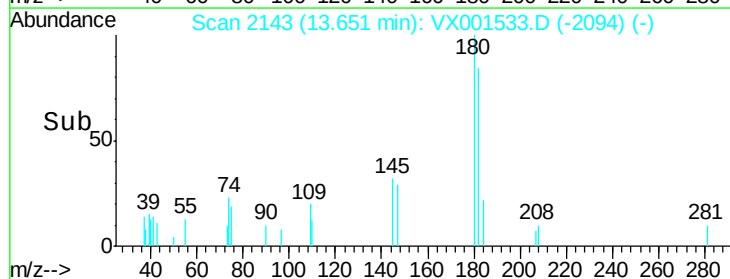
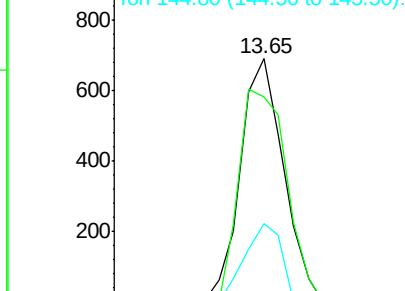


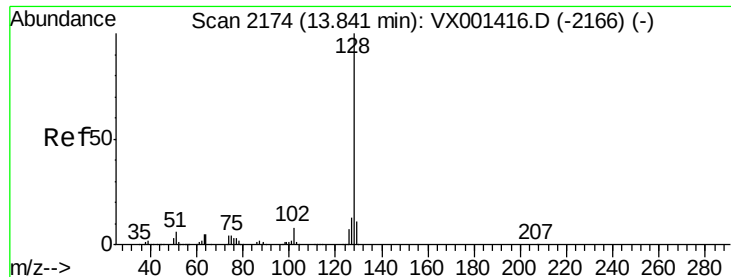
#93
1,2,4-Trichlorobenzene
Concen: 0.21 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX001533.D
Acq: 09 May 2018 00:41

Tgt Ion: 180 Resp: 844
Ion Ratio Lower Upper
180 100
182 96.7 47.8 143.4
145 27.3 13.3 39.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95
 Naphthalene
 Concen: 14.79 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX001533.D
 Acq: 09 May 2018 00:41

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-02-050718-A

Tgt Ion:128 Resp: 167024
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 10.7 8.7 13.1

