

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000575.D
 Acq On : 30 Mar 2018 21:47
 Operator : JC/MD
 Sample : J2131-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT24256-SOIL

Quant Time: Mar 31 05:05:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	130304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	230886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	227047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	121813	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	92590	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
35) Dibromofluoromethane	5.51	113	72798	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	8.73	98	288812	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.15	95	105381	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

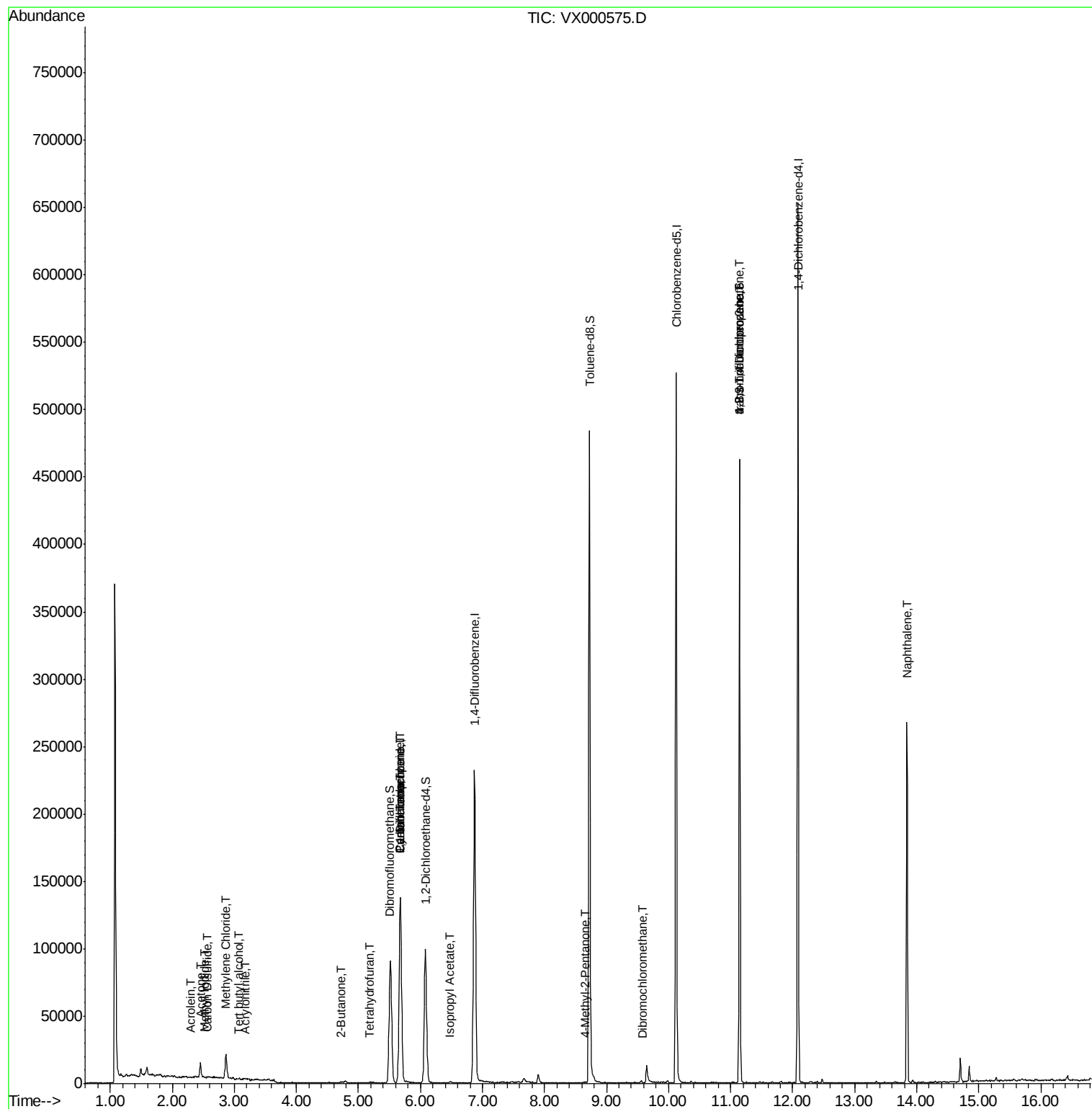
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	598	Below Cal	#	44
10) Methyl Iodide	2.51	142	304	4.45	ug/l	54
11) Tert butyl alcohol	3.06	59	251	0.43	ug/l	99
13) Acrolein	2.29	56	201	15.59	ug/l	85
14) Allyl chloride	2.77	41	88	Below Cal	#	31
15) Acrylonitrile	3.17	53	435	0.37	ug/l	61
16) Acetone	2.45	43	11399	8.06	ug/l	98
17) Carbon Disulfide	2.57	76	770	0.22	ug/l	76
20) Methylene Chloride	2.87	84	8276	5.06	ug/l	91
25) 2-Butanone	4.72	43	1210	0.76	ug/l	72
29) Tetrahydrofuran	5.19	42	289	0.30	ug/l	31
31) Cyclohexane	5.68	56	3546	1.65	ug/l	56
36) 1,1-Dichloropropene	5.67	75	10400	4.81	ug/l	50
38) Carbon Tetrachloride	5.68	117	12971	5.72	ug/l	16
43) Isopropyl Acetate	6.48	43	1270	0.29	ug/l	79
51) 4-Methyl-2-Pentanone	8.66	43	976	0.29	ug/l	61
60) Dibromochloromethane	9.59	129	70	4.15	ug/l	55
74) N-amyl acetate	6.48	43	1270	Below Cal	#	74
76) 1,2,3-Trichloropropane	11.15	75	59143	22.59	ug/l	35
81) trans-1,4-Dichloro-2-buten	11.15	75	59143	73.14	ug/l	9
95) Naphthalene	13.84	128	156311	15.70	ug/l	99

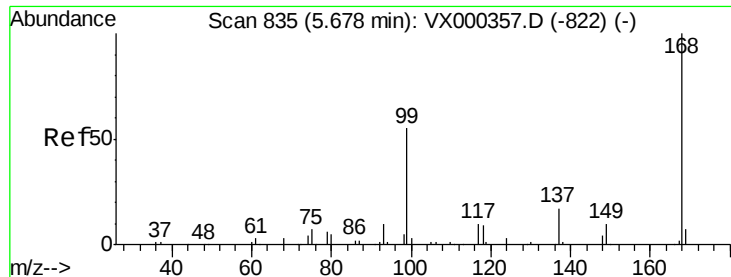
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

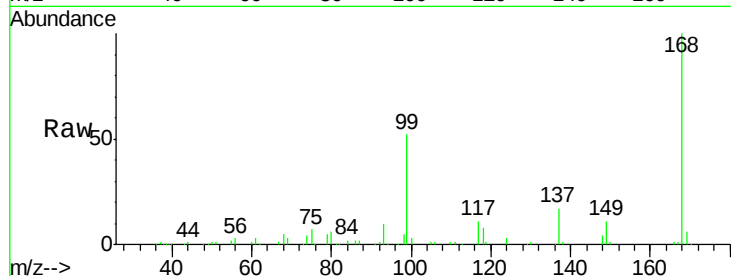
Instrument :
MSVOA_X
ClientSampleId :
CHRT24256-SOIL

Tgt Ion: 168 Resp: 130304

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

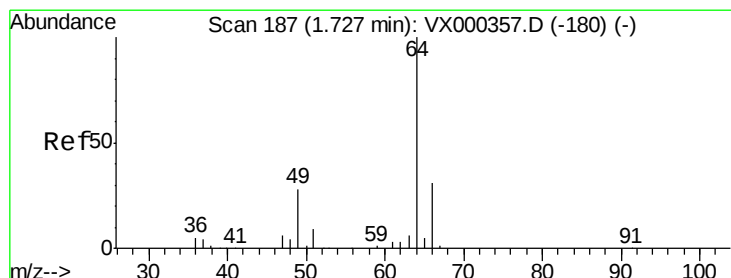
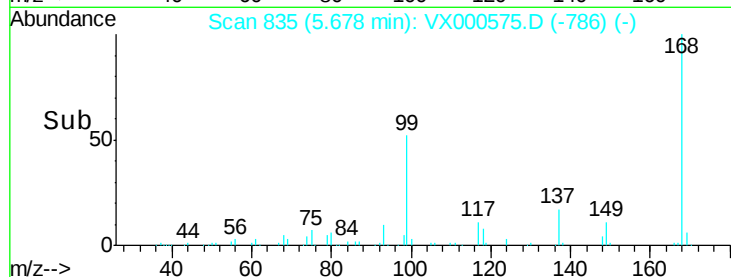
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000575.D

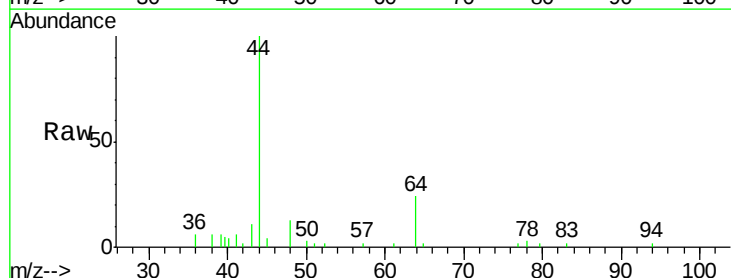
Acq: 30 Mar 2018 21:47

Tgt Ion: 64 Resp: 598

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

800

600

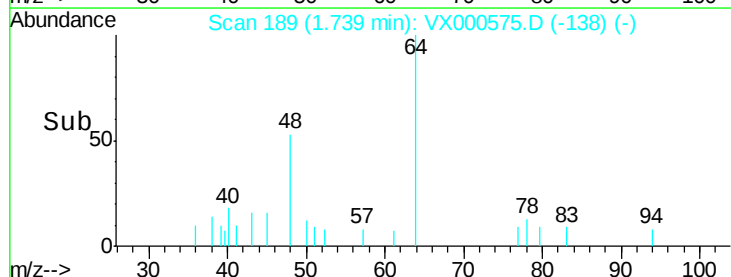
400

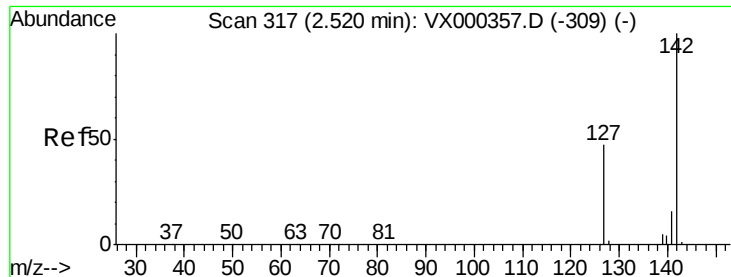
200

0

1.70 1.72 1.74 1.76

Time-->

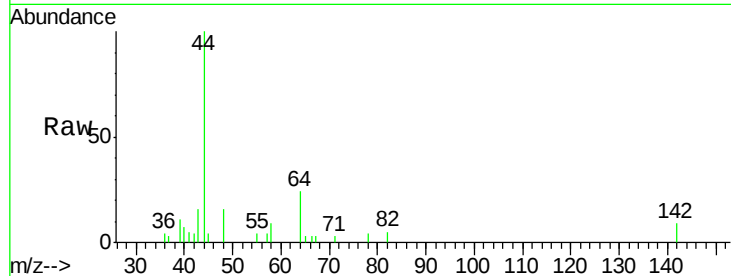




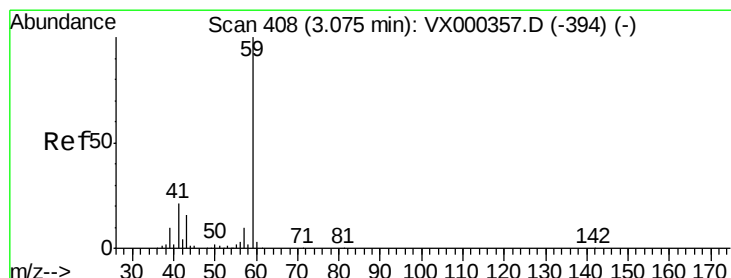
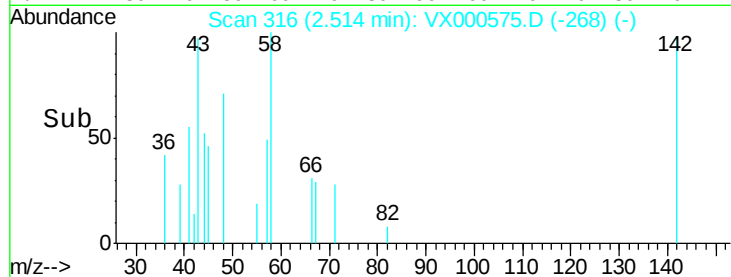
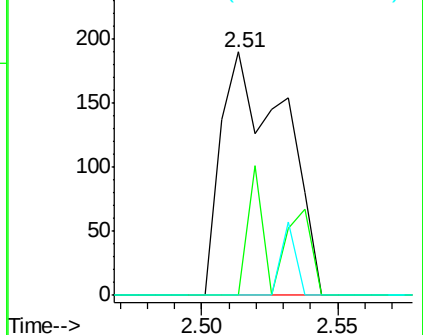
#10
Methyl Iodide
Concen: 4.45 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000575.D
Acq: 30 Mar 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
CHRT24256-SOIL

Tgt Ion:142 Resp: 304
Ion Ratio Lower Upper
142 100
127 12.2 39.2 58.8#
141 6.9 11.7 17.5#

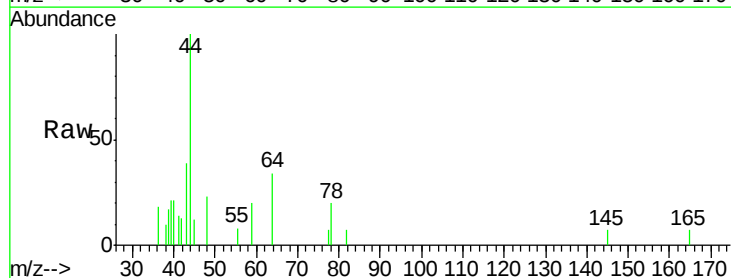


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

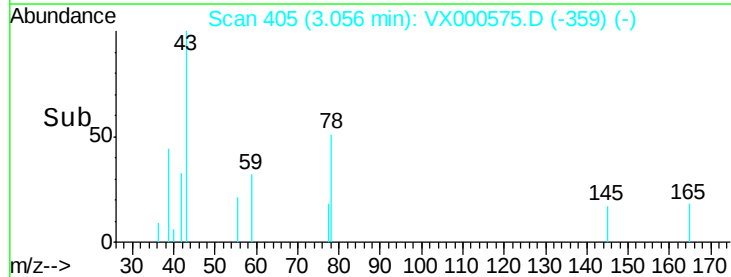
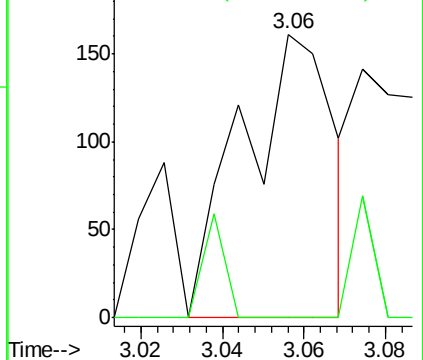


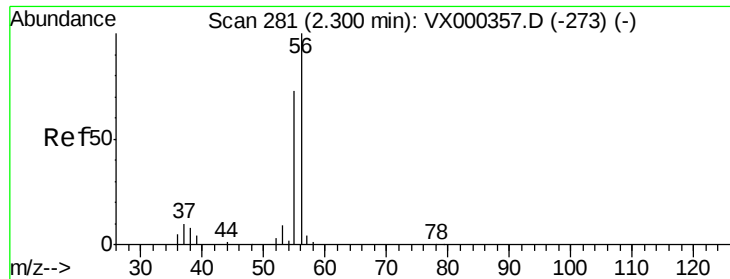
#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX000575.D
Acq: 30 Mar 2018 21:47

Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 15.59 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampled :

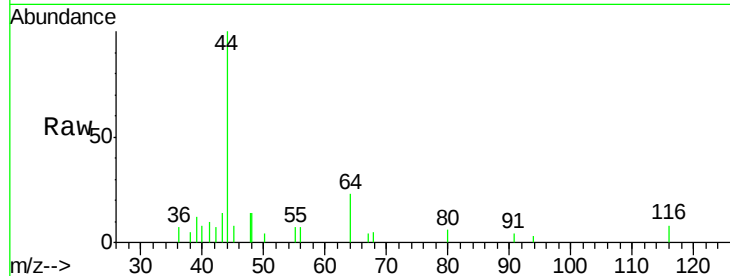
CHRT24256-SOIL

Tgt Ion: 56 Resp: 201

Ion Ratio Lower Upper

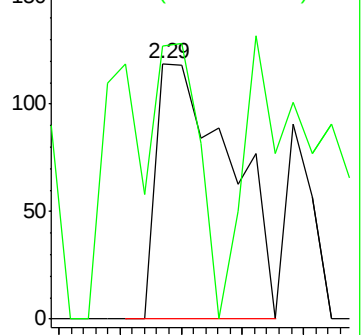
56 100

55 61.2 58.8 88.2

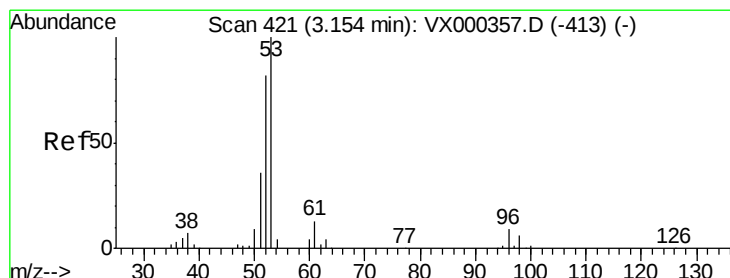
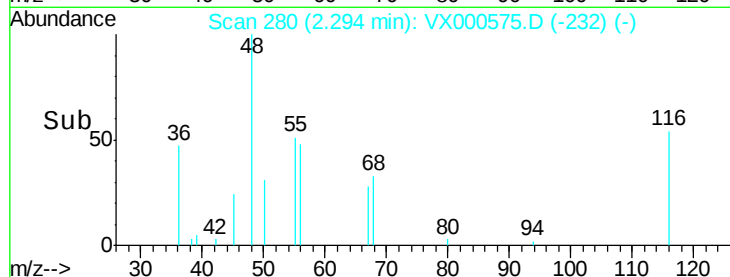


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.37 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

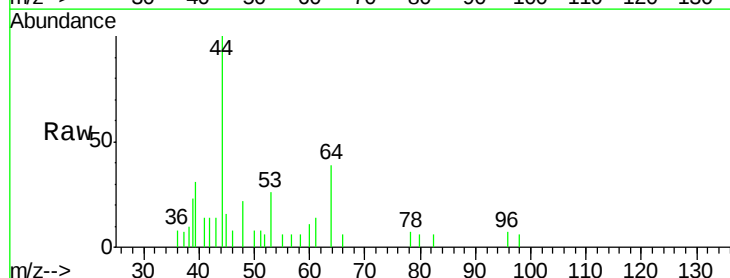
Tgt Ion: 53 Resp: 435

Ion Ratio Lower Upper

53 100

52 38.6 66.6 99.8#

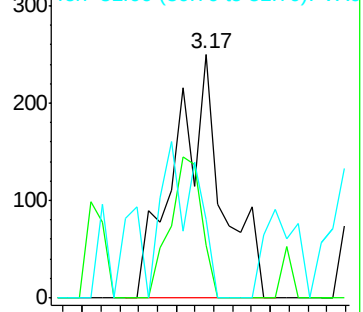
51 46.2 29.3 43.9#



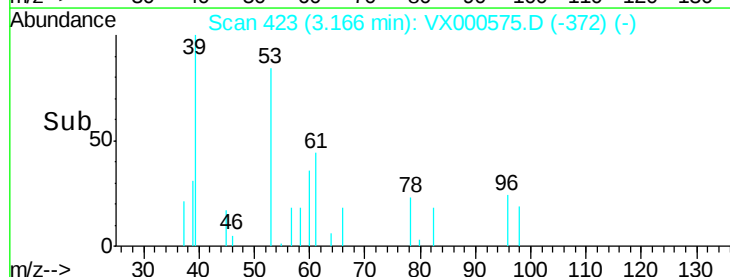
Abundance Ion 53.00 (52.70 to 53.70): VX0

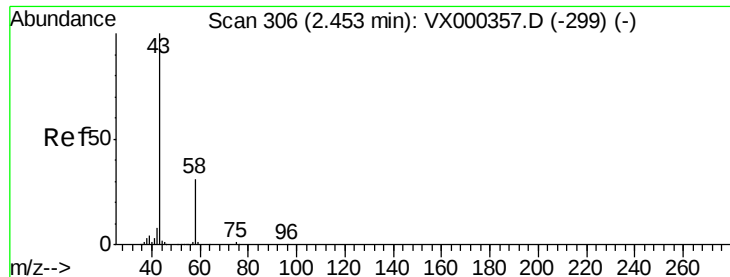
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 8.06 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

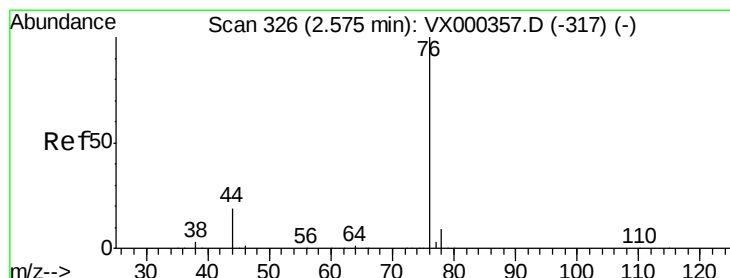
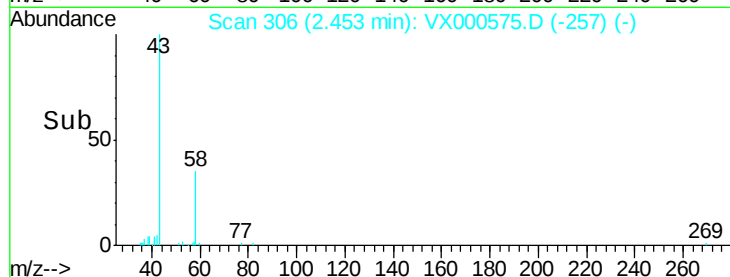
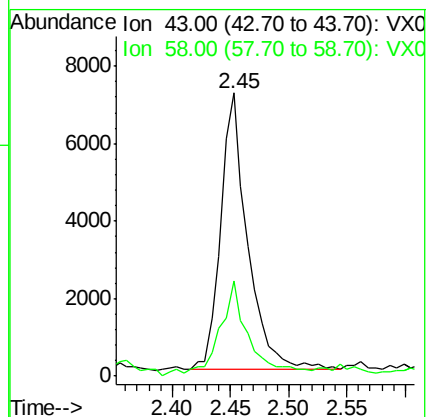
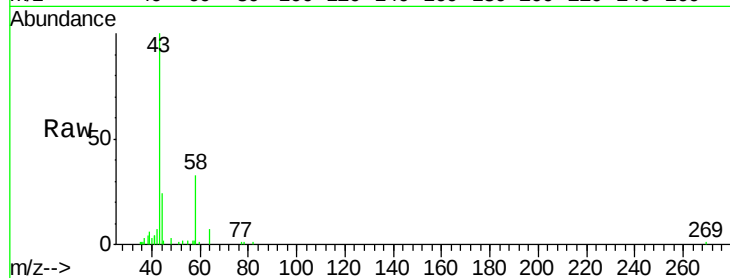
CHRT24256-SOIL

Tgt Ion: 43 Resp: 11399

Ion Ratio Lower Upper

43 100

58 31.8 24.7 37.1



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000575.D

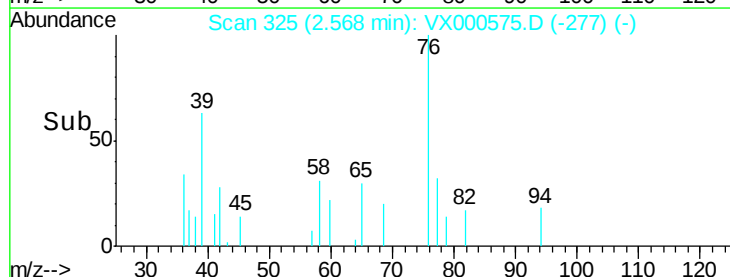
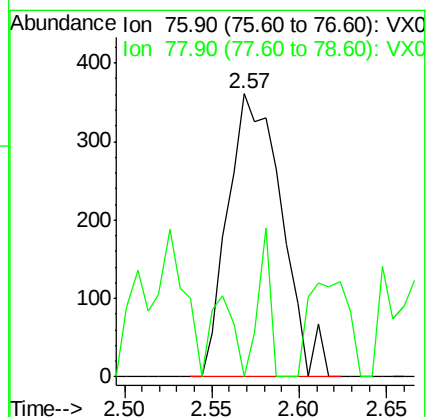
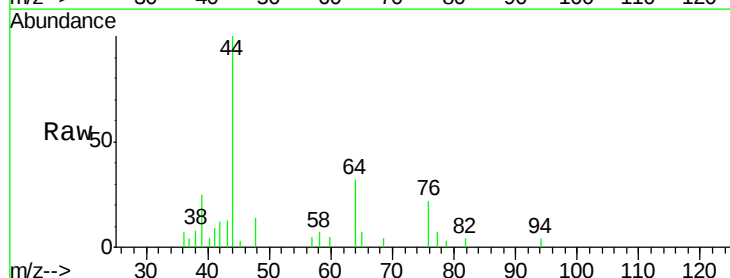
Acq: 30 Mar 2018 21:47

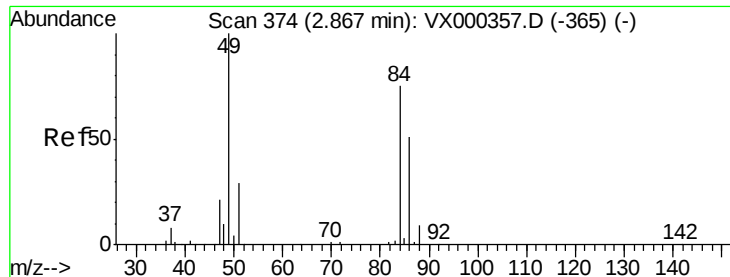
Tgt Ion: 76 Resp: 770

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

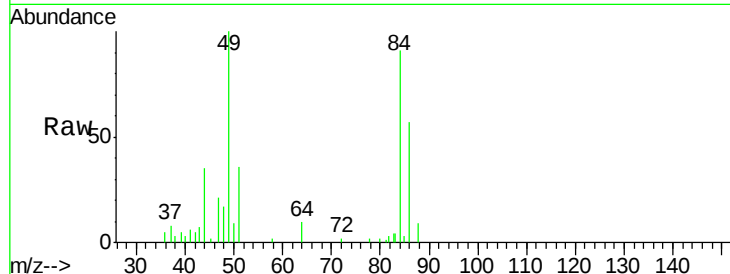




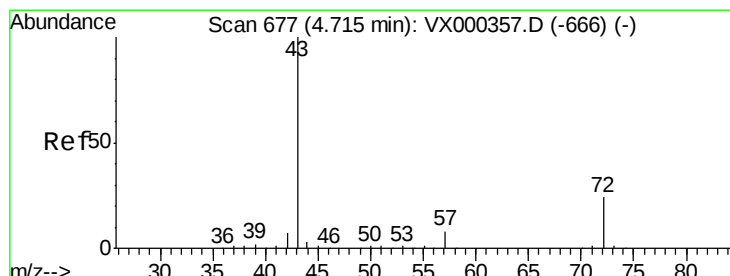
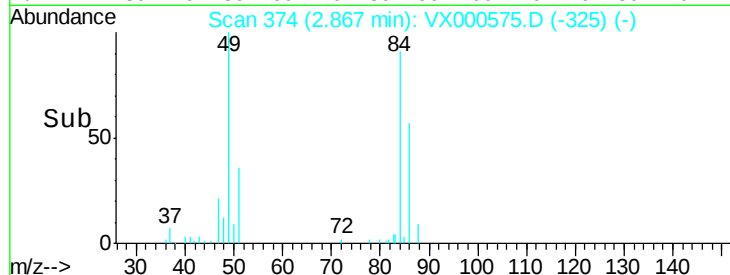
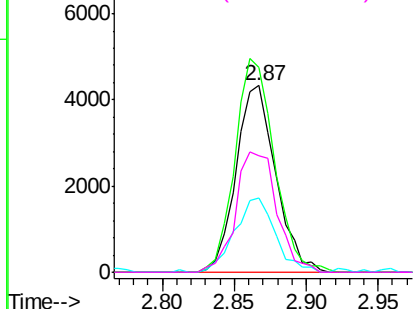
#20
Methylene Chloride
Concen: 5.06 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000575.D
Acq: 30 Mar 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
CHRT24256-SOIL

Tgt Ion: 84 Resp: 8276
Ion Ratio Lower Upper
84 100
49 109.4 100.6 151.0
51 39.6 31.6 47.4
86 62.5 52.6 78.8

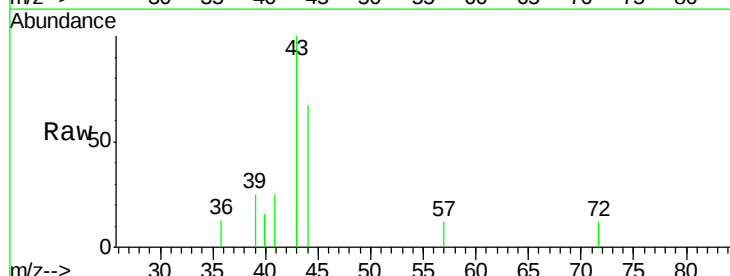


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

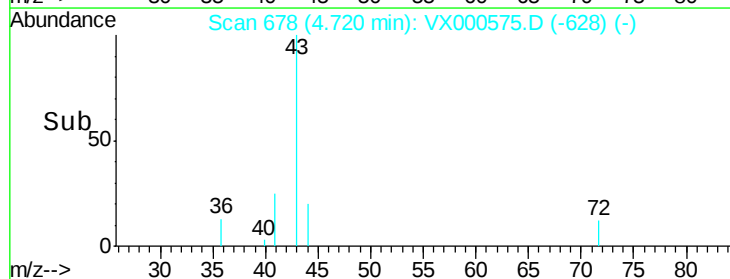
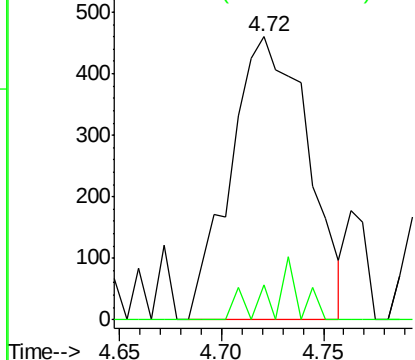


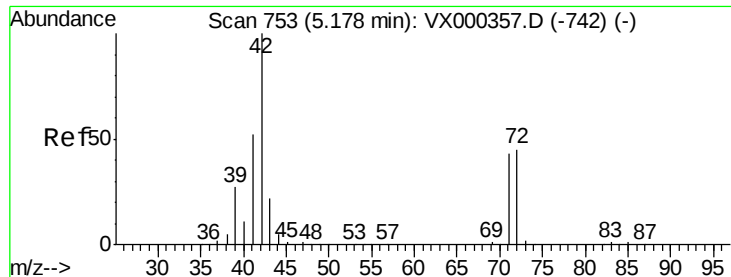
#25
2-Butanone
Concen: 0.76 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000575.D
Acq: 30 Mar 2018 21:47

Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
72 12.2 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

CHRT24256-SOIL

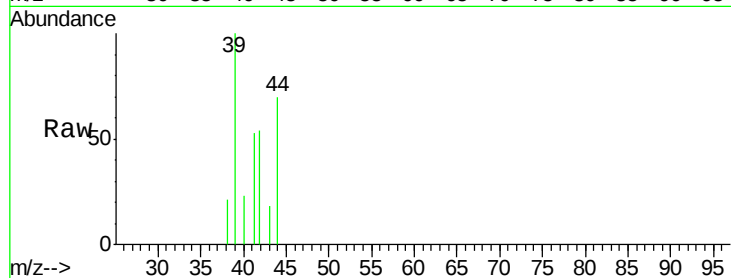
Tgt Ion: 42 Resp: 289

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

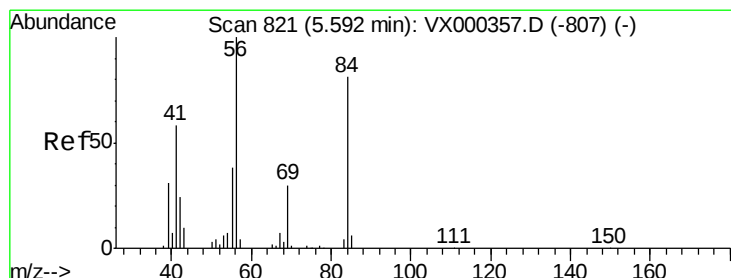
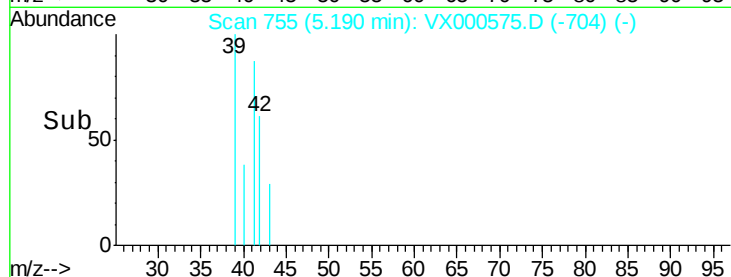
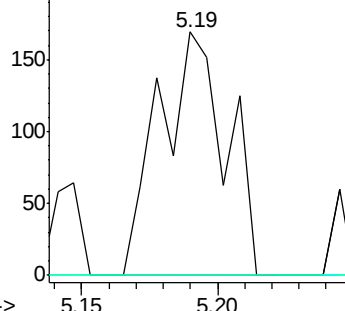
71 0.0 34.4 51.6#



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



#31

Cyclohexane

Concen: 1.65 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

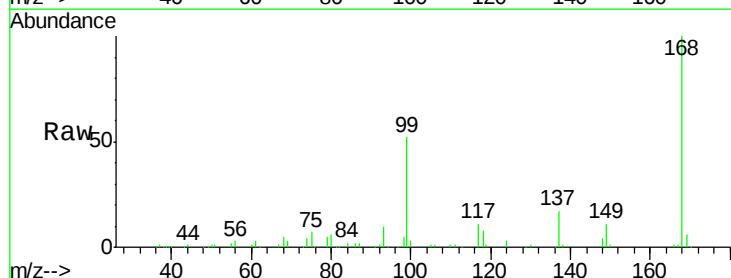
Tgt Ion: 56 Resp: 3546

Ion Ratio Lower Upper

56 100

69 108.0 23.4 35.0#

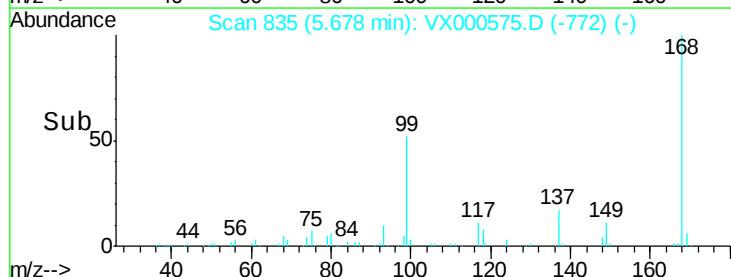
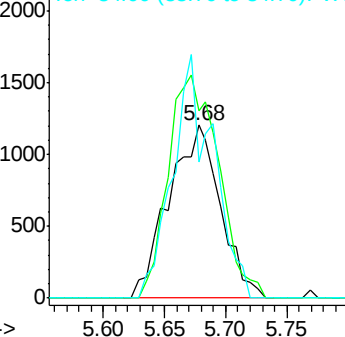
84 78.8 71.0 106.4

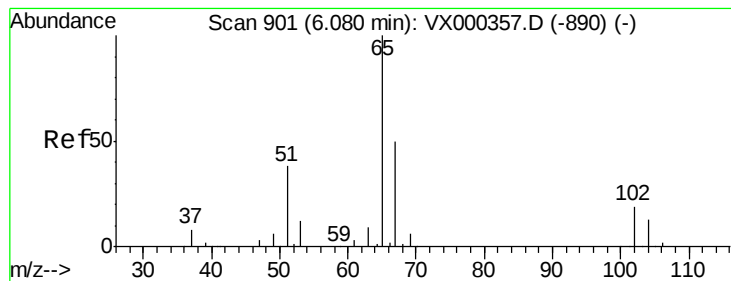


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.44 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

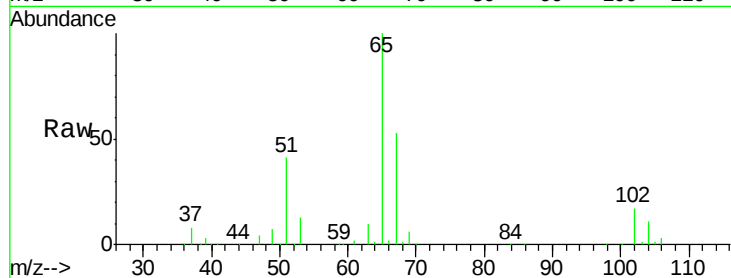
CHRT24256-SOIL

Tgt Ion: 65 Resp: 92590

Ion Ratio Lower Upper

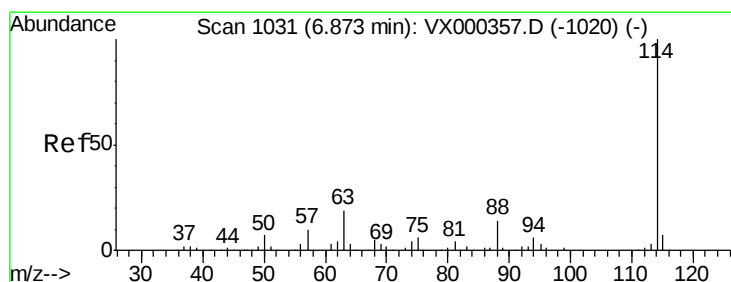
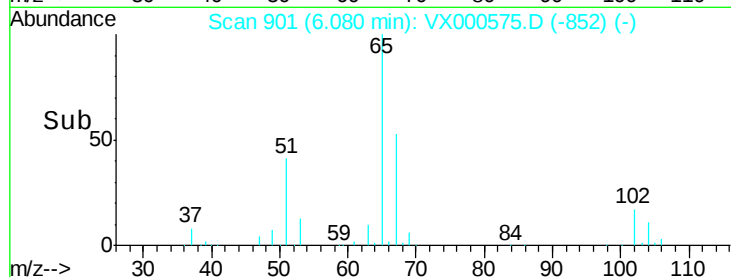
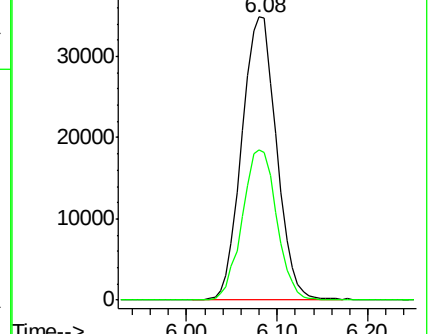
65 100

67 52.6 0.0 103.2



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: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

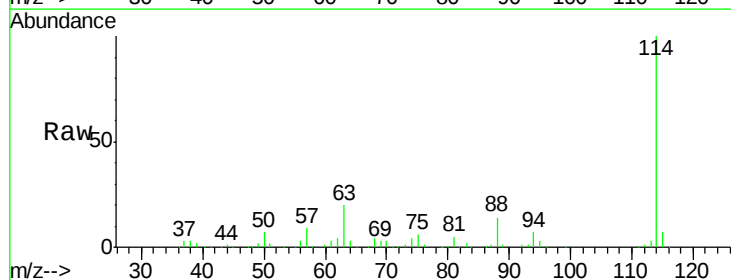
Tgt Ion: 114 Resp: 230886

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

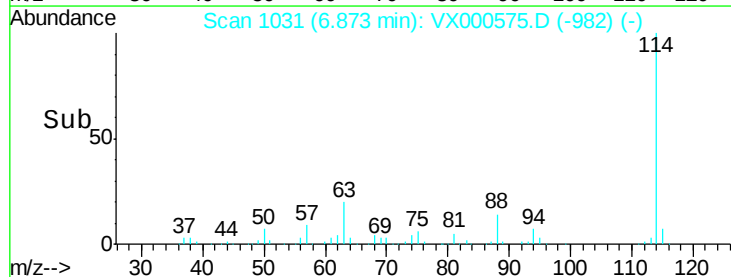
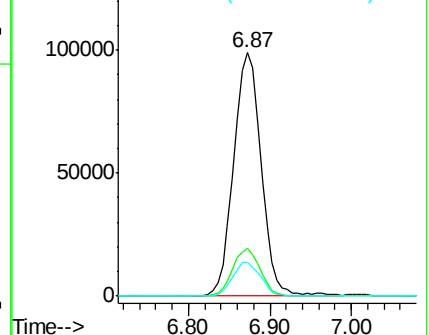
88 13.7 0.0 27.0

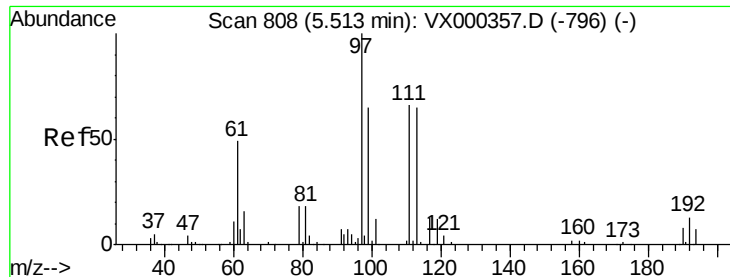


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.04 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

CHRT24256-SOIL

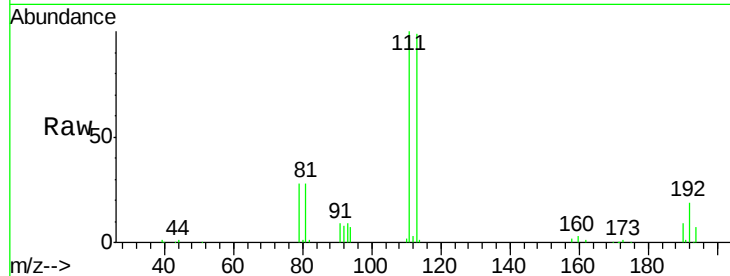
Tgt Ion:113 Resp: 72798

Ion Ratio Lower Upper

113 100

111 101.2 82.4 123.6

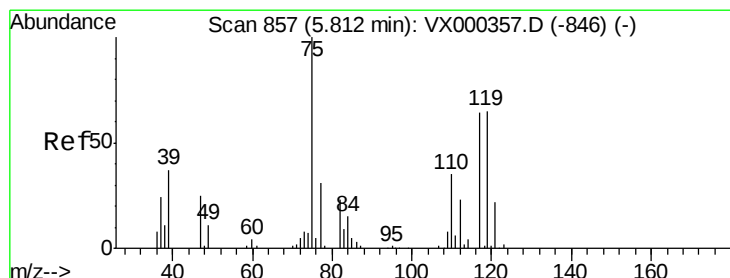
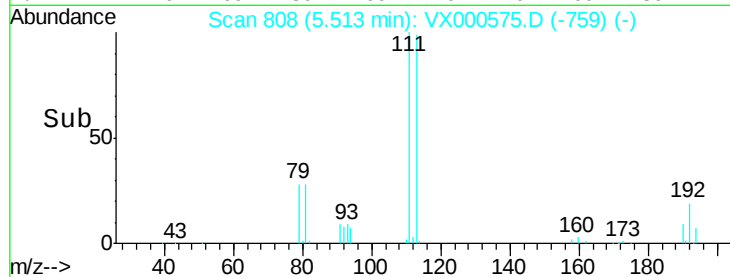
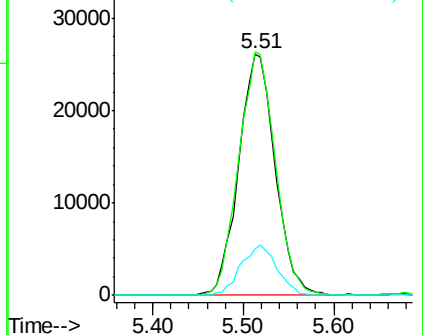
192 20.6 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.81 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

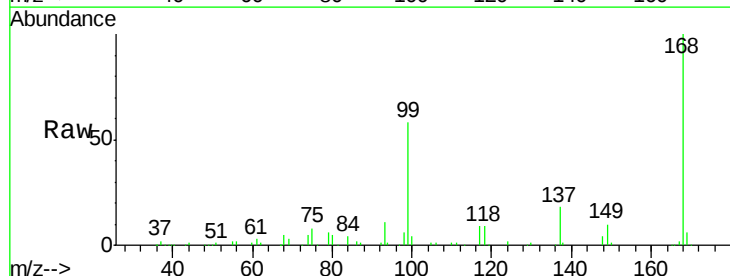
Tgt Ion: 75 Resp: 10400

Ion Ratio Lower Upper

75 100

110 8.8 17.9 53.7#

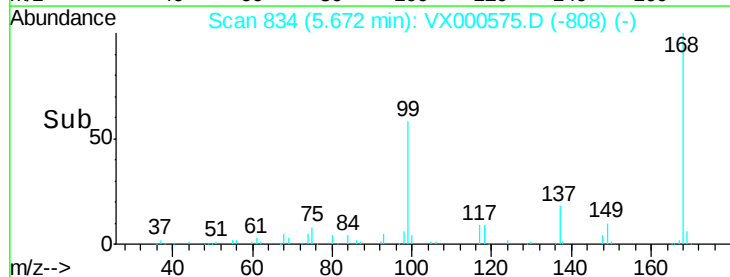
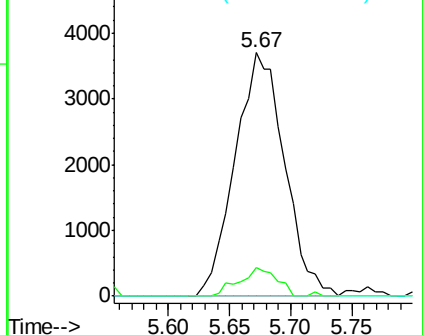
77 0.0 24.0 36.0#

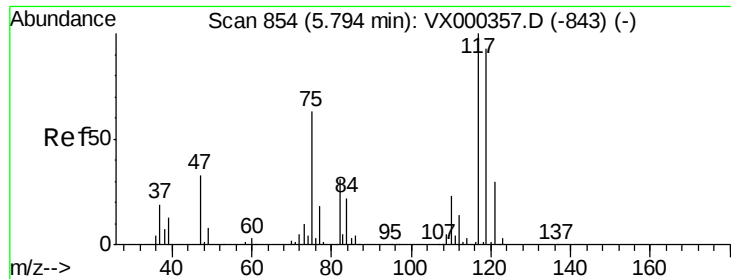


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.72 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

CHRT24256-SOIL

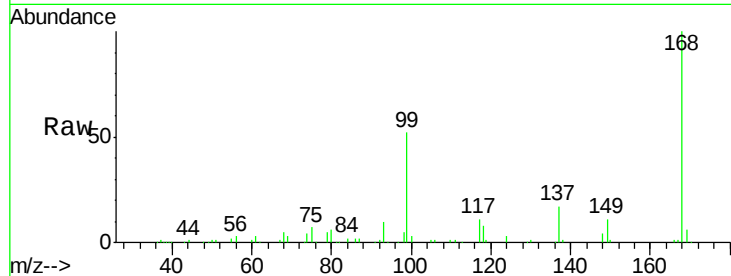
Tgt Ion:117 Resp: 12971

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.2#

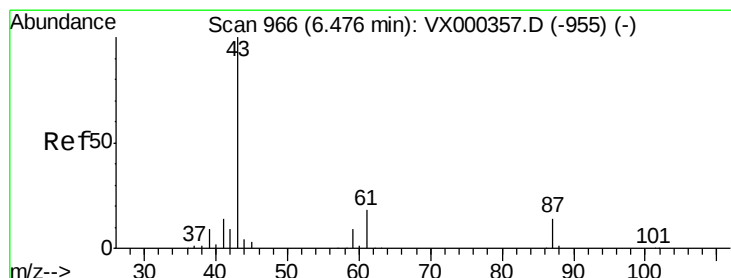
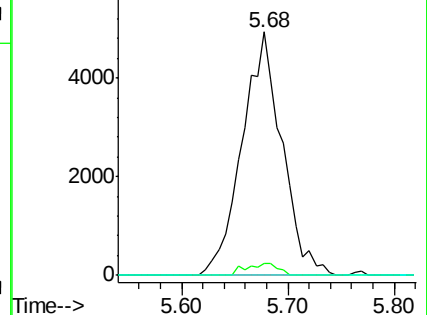
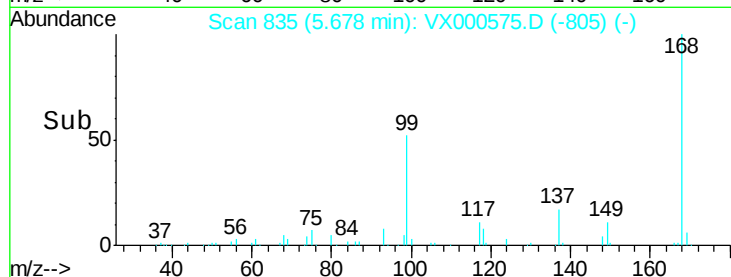
121 0.0 24.8 37.2#



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: 0.29 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

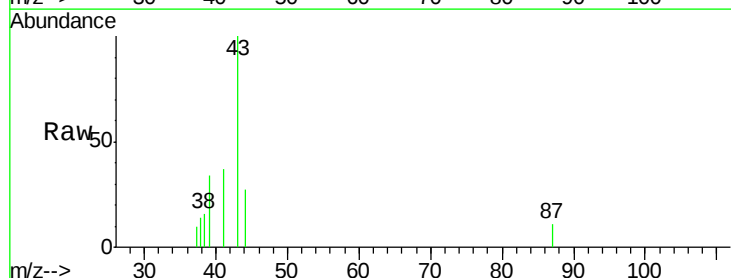
Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

61 6.7 14.4 21.6#

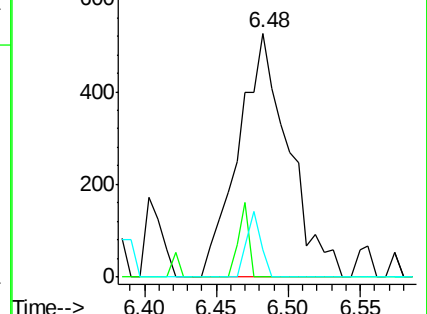
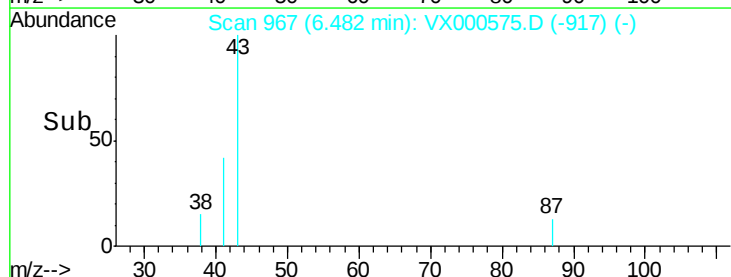
87 7.7 11.0 16.4#

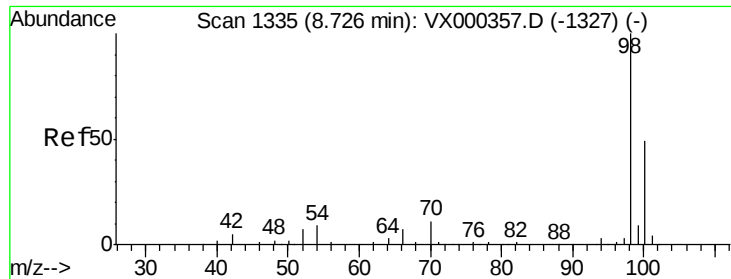


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 47.93 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

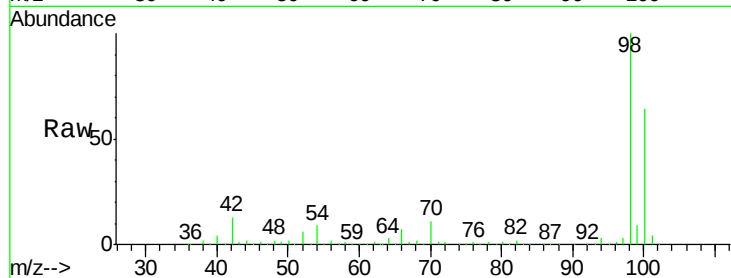
CHRT24256-SOIL

Tgt Ion: 98 Resp: 288812

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.73

200000

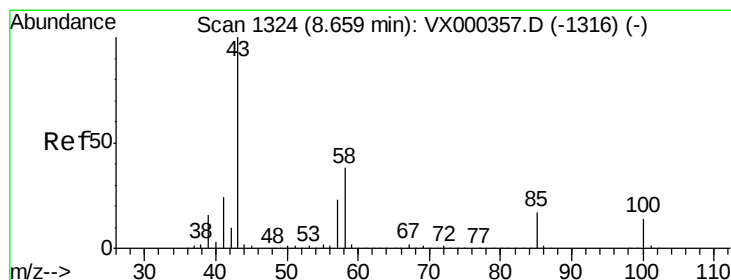
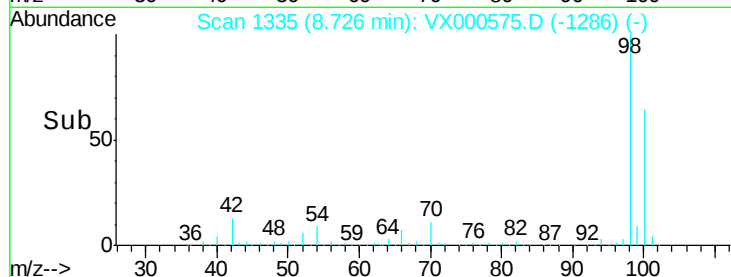
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000575.D

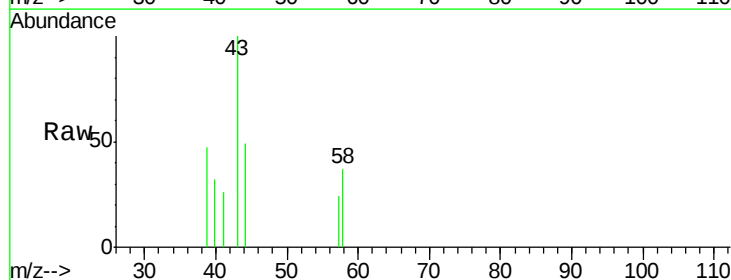
Acq: 30 Mar 2018 21:47

Tgt Ion: 43 Resp: 976

Ion Ratio Lower Upper

43 100

58 14.5 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

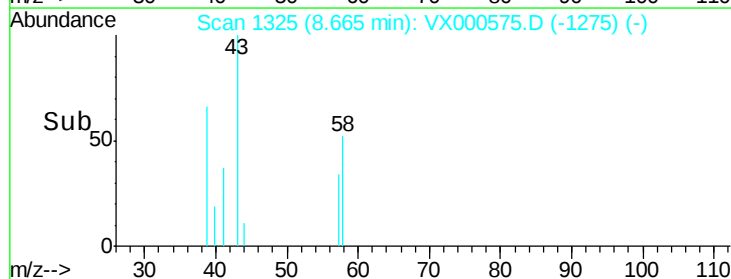
1500

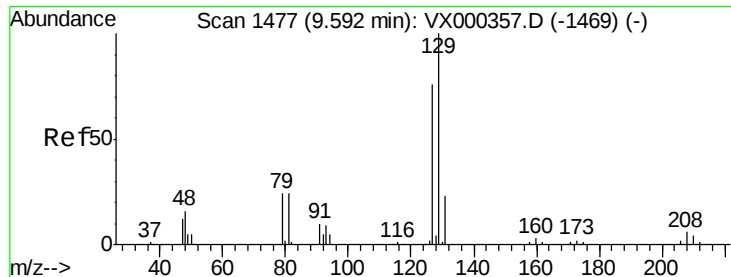
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 4.15 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

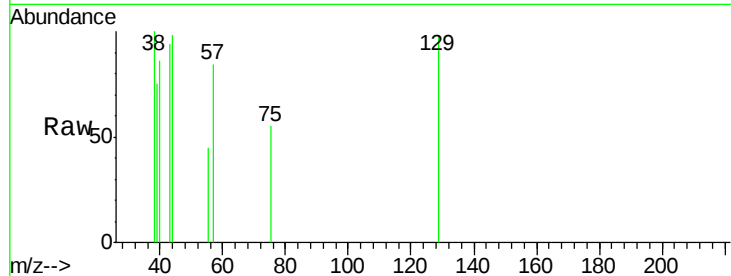
CHRT24256-SOIL

Tgt Ion:129 Resp: 70

Ion Ratio Lower Upper

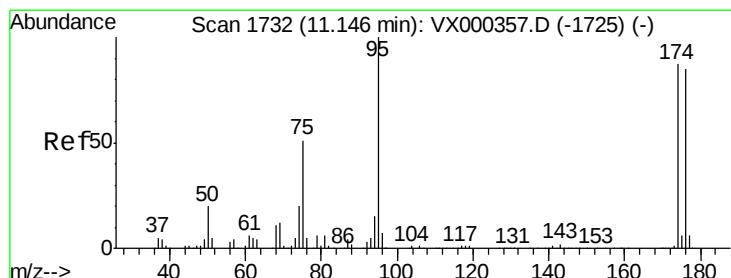
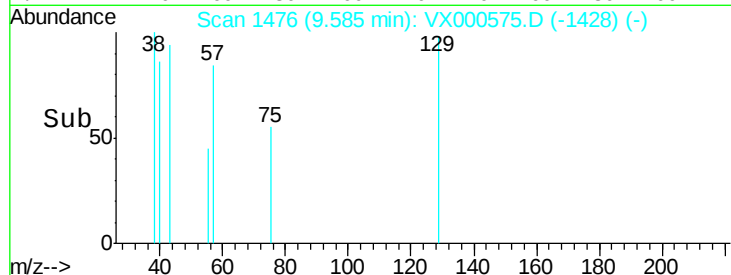
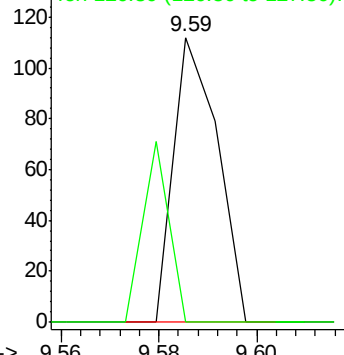
129 100

127 37.1 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.45 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

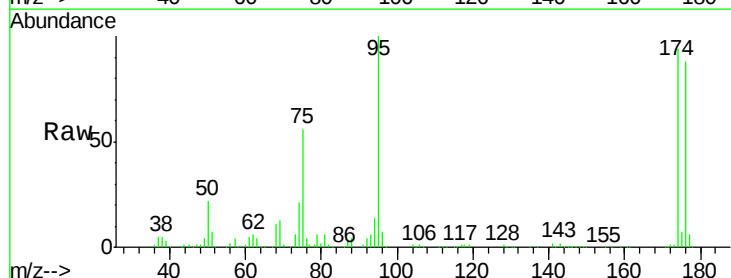
Tgt Ion: 95 Resp: 105381

Ion Ratio Lower Upper

95 100

174 88.8 0.0 173.6

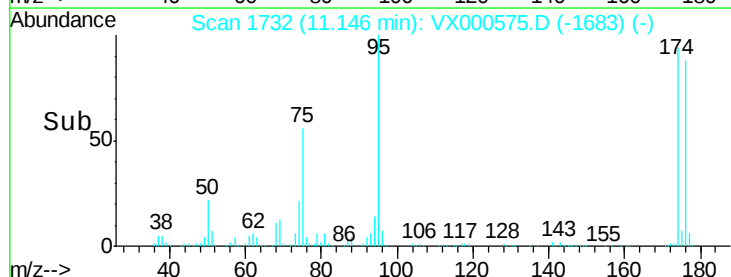
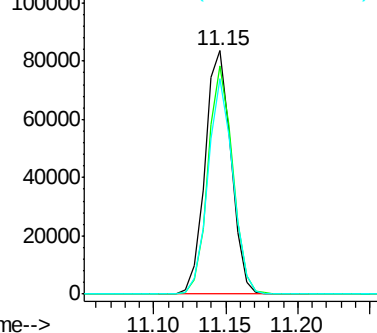
176 84.3 0.0 164.6

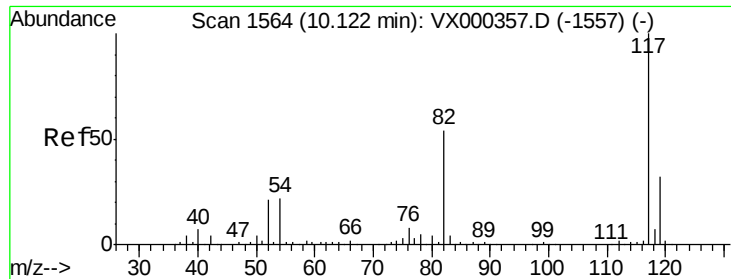


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

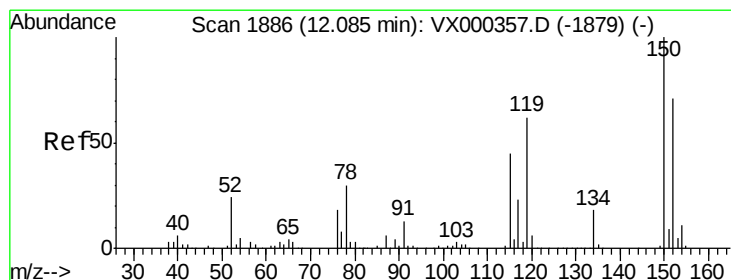
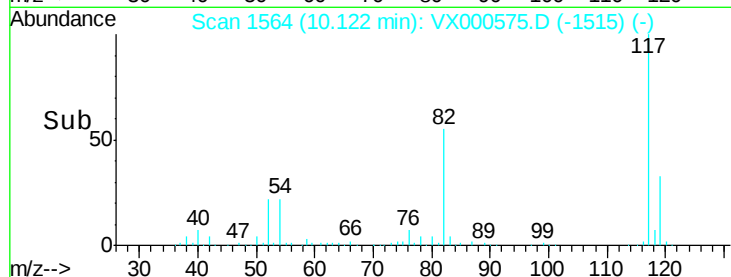
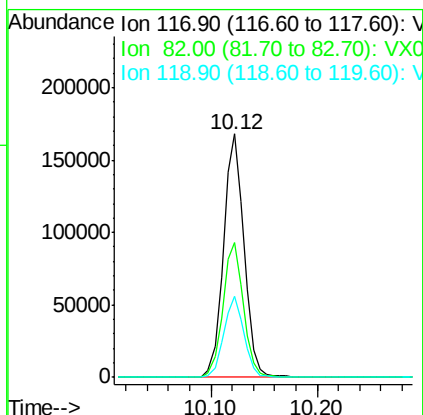
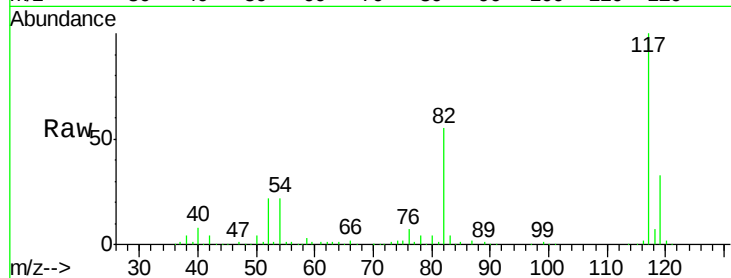




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000575.D
Acq: 30 Mar 2018 21:47

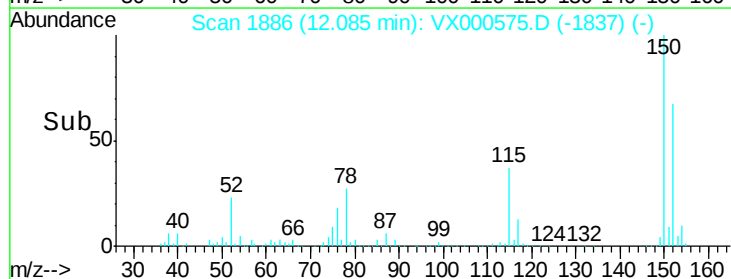
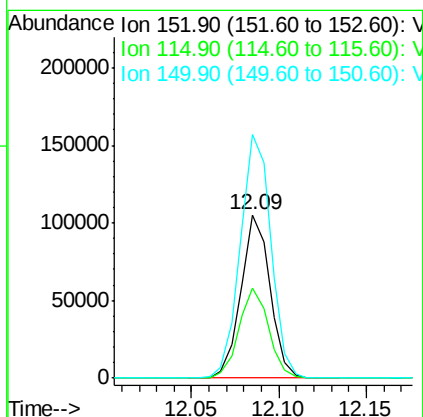
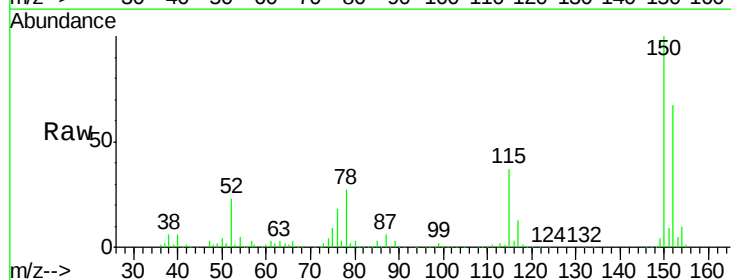
Instrument :
MSVOA_X
ClientSampleId :
CHRT24256-SOIL

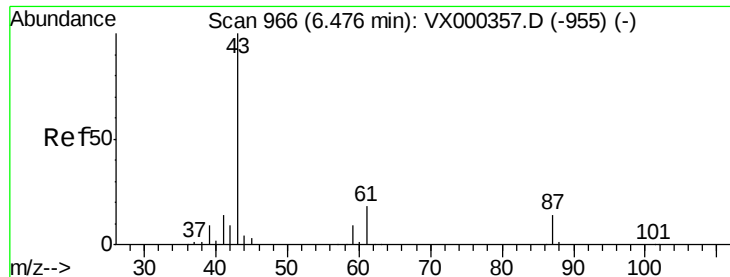
Tgt Ion:117 Resp: 227047
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 33.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000575.D
Acq: 30 Mar 2018 21:47

Tgt Ion:152 Resp: 121813
Ion Ratio Lower Upper
152 100
115 56.0 39.8 119.3
150 157.0 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

CHRT24256-SOIL

Tgt Ion: 43 Resp: 1270

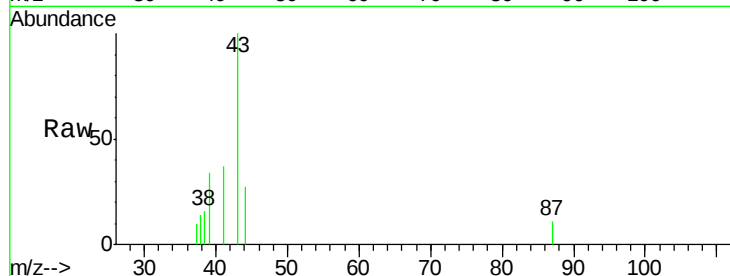
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 6.7 14.4 21.6#

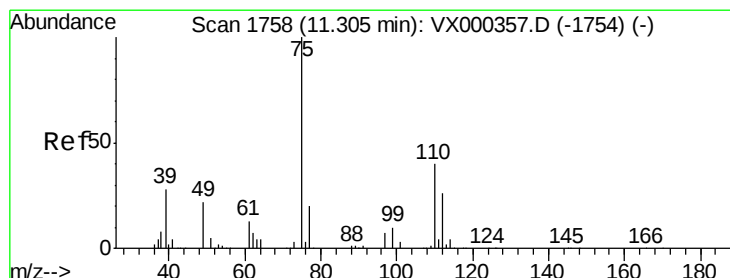
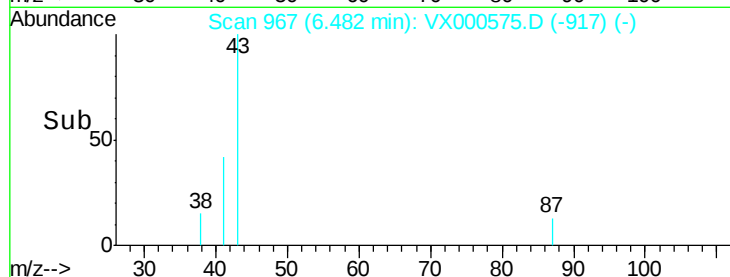
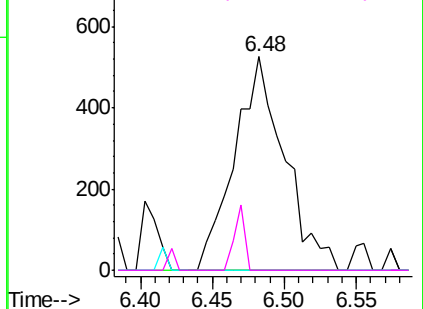


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.59 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000575.D

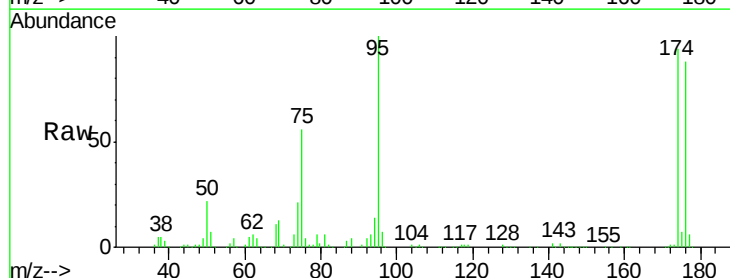
Acq: 30 Mar 2018 21:47

Tgt Ion: 75 Resp: 59143

Ion Ratio Lower Upper

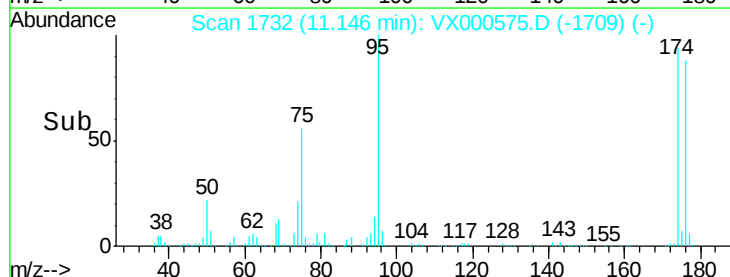
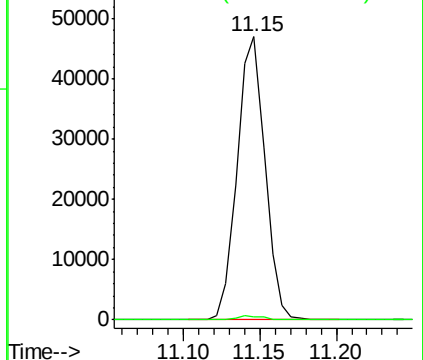
75 100

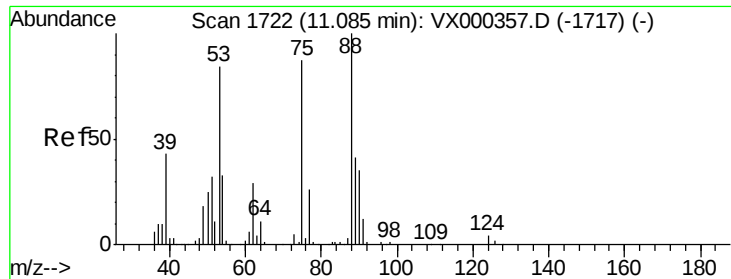
77 1.3 21.4 64.2#



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: 73.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

CHRT24256-SOIL

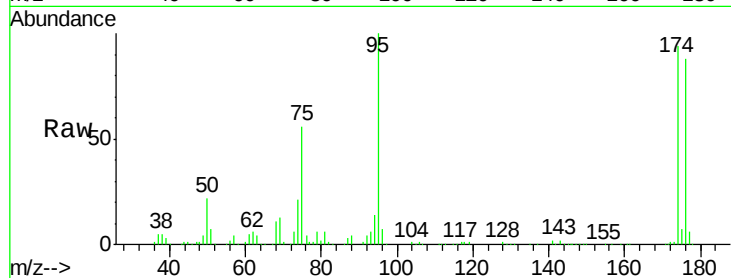
Tgt Ion: 75 Resp: 59143

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



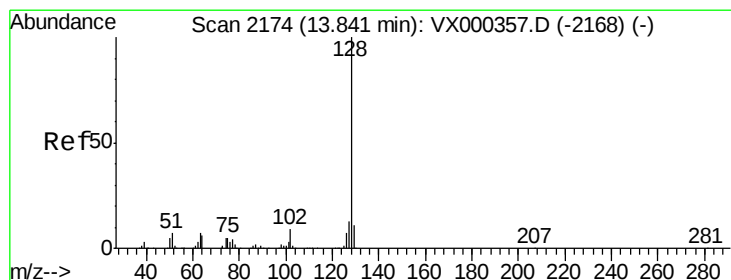
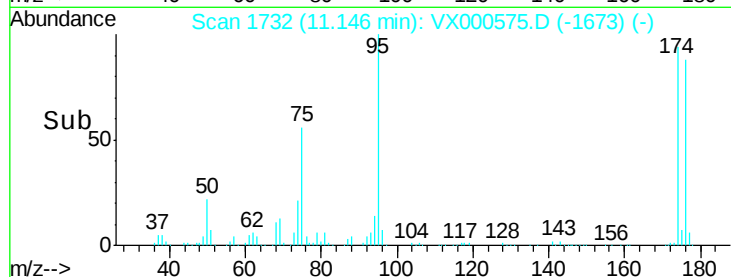
Abundance Ion 74.90 (74.60 to 75.60): VX000357.D (-1717) (-)

Ion 53.00 (52.70 to 53.70): VX000357.D (-1717) (-)

Ion 88.90 (88.60 to 89.60): VX000357.D (-1717) (-)

Time-->

11.10 11.15 11.20



#95

Naphthalene

Concen: 15.70 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000575.D

Acq: 30 Mar 2018 21:47

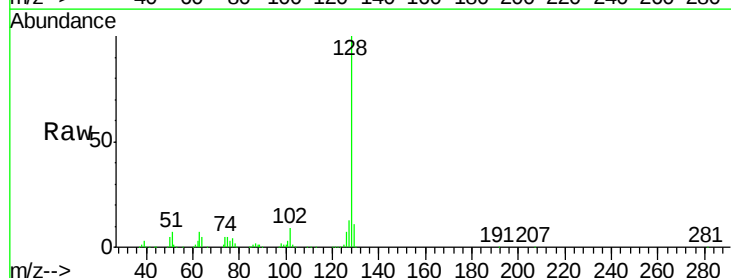
Tgt Ion: 128 Resp: 156311

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX000357.D (-2168) (-)

Ion 127.00 (126.70 to 127.70): VX000357.D (-2168) (-)

Ion 129.00 (128.70 to 129.70): VX000357.D (-2168) (-)

Time-->

13.80 13.85 13.90

