

Data File : VV009261.D
Acq On : 24 Jan 2019 15:39
Operator : SY/MD
Sample : VV0124SBL01
Misc : 5.00G/5ML/MSVOA_V/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

Quant Time: Jan 24 23:26:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 24 23:18:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	88422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	152643	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	140332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	68113	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	49781	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	4.64	113	45433	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	7.36	98	171947	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
62) 4-Bromofluorobenzene	10.12	95	64564	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.15	85	20	0.027	ug/l #	43
3) Chloromethane	1.24	50	477	0.475	ug/l #	81
5) Bromomethane	1.52	94	284	0.493	ug/l	81
6) Chloroethane	1.38	64	45	0.084	ug/l #	41
8) Diethyl Ether	1.96	74	64	0.134	ug/l #	1
11) Tert butyl alcohol	2.65	59	4480	37.361	ug/l #	76
14) Allyl chloride	2.51	41	20	0.015	ug/l #	22
15) Acrylonitrile	2.76	53	198	0.883	ug/l #	71
16) Acetone	2.18	43	4719	17.941	ug/l	92
17) Carbon Disulfide	2.32	76	71	0.028	ug/l #	73
18) Methyl Acetate	2.44	43	511	0.692	ug/l #	51
20) Methylene Chloride	2.53	84	1925	1.925	ug/l	91
23) Vinyl Acetate	3.30	43	619	0.316	ug/l #	72
25) 2-Butanone	4.00	43	35	0.091	ug/l #	50
26) 2,2-Dichloropropane	3.98	77	585	0.588	ug/l #	52
29) Tetrahydrofuran	4.42	42	20	0.091	ug/l #	32
31) Cyclohexane	4.73	56	1825	1.010	ug/l #	1
36) 1,1-Dichloropropene	4.73	75	7826	5.120	ug/l #	47
37) Ethyl Acetate	4.14	43	128	3.618	ug/l #	70
38) Carbon Tetrachloride	4.73	117	9361	6.193	ug/l #	17
40) Benzene	5.14	78	164	0.036	ug/l #	52
42) 1,2-Dichloroethane	5.18	62	19	0.014	ug/l #	74
51) 4-Methyl-2-Pentanone	7.28	43	2087	2.678	ug/l	94
52) Toluene	7.43	92	329	0.116	ug/l #	71
53) t-1,3-Dichloropropene	7.69	75	71	0.048	ug/l #	42
54) cis-1,3-Dichloropropene	7.07	75	66	0.039	ug/l #	35
56) Ethyl methacrylate	7.83	69	72	0.069	ug/l #	62
57) 1,3-Dichloropropane	8.06	76	40	0.026	ug/l #	41
59) 2-Hexanone	8.19	43	2116	3.777	ug/l	85
60) Dibromochloromethane	8.02	129	102	0.103	ug/l #	12
61) 1,2-Dibromoethane	8.40	107	20	0.023	ug/l #	3
65) Chlorobenzene	8.93	112	701	0.222	ug/l	89
66) 1,1,1,2-Tetrachloroethane	8.91	131	86	0.081	ug/l #	1
67) Ethyl Benzene	9.06	91	896	0.167	ug/l #	81

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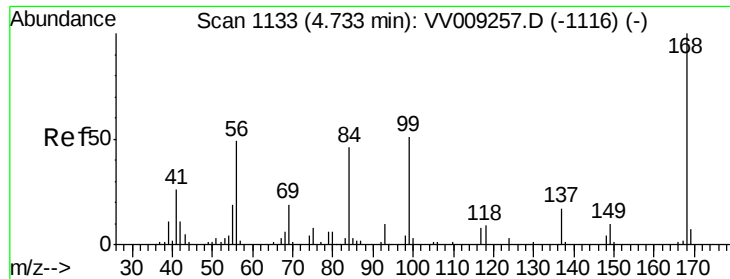
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	9.18	106	794	0.385	ug/l	97
69) o-Xylene	9.59	106	352	0.183	ug/l	100
70) Styrene	9.60	104	789	0.252	ug/l #	89
73) Isopropylbenzene	9.97	105	1087	0.215	ug/l	88
74) N-amyl acetate	9.85	43	657	0.555	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	10.29	83	64	0.062	ug/l #	25
76) 1,2,3-Trichloropropane	10.12	75	32011	39.814	ug/l #	72
77) Bromobenzene	10.26	156	420	0.356	ug/l	91
78) n-propylbenzene	10.40	91	2217	0.370	ug/l	96
79) 2-Chlorotoluene	10.47	91	1270	0.352	ug/l	77
80) 1,3,5-Trimethylbenzene	10.59	105	1194	0.281	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.12	75	32011	113.093	ug/l #	10
82) 4-Chlorotoluene	10.59	91	1717	0.402	ug/l	97
83) tert-Butylbenzene	10.91	119	1115	0.271	ug/l	91
84) 1,2,4-Trimethylbenzene	10.96	105	1730	0.396	ug/l	89
85) sec-Butylbenzene	11.13	105	1939	0.362	ug/l	96
86) p-Isopropyltoluene	11.29	119	2118	0.448	ug/l	90
87) 1,3-Dichlorobenzene	11.23	146	1394	0.583	ug/l	94
88) 1,4-Dichlorobenzene	11.23	146	1394	0.571	ug/l	94
89) n-Butylbenzene	11.70	91	3347	0.732	ug/l	97
91) 1,2-Dichlorobenzene	11.69	146	1214	0.566	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.31	75	89	0.513	ug/l #	2
93) 1,2,4-Trichlorobenzene	13.31	180	2337	1.555	ug/l	93
94) Hexachlorobutadiene	13.49	225	518	0.603	ug/l	92
95) Naphthalene	13.56	128	6684	2.220	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	1962	1.480	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

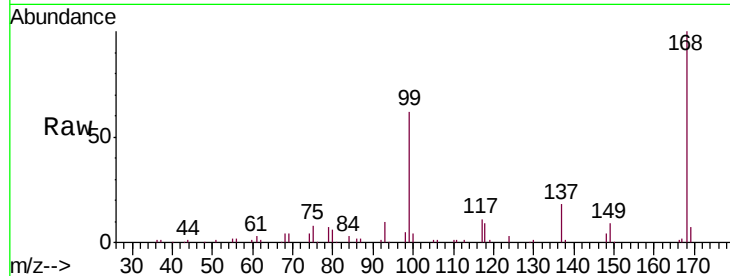
VV0124SBL01

Tgt Ion:168 Resp: 88422

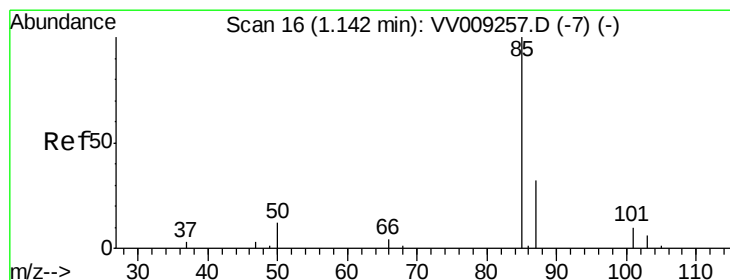
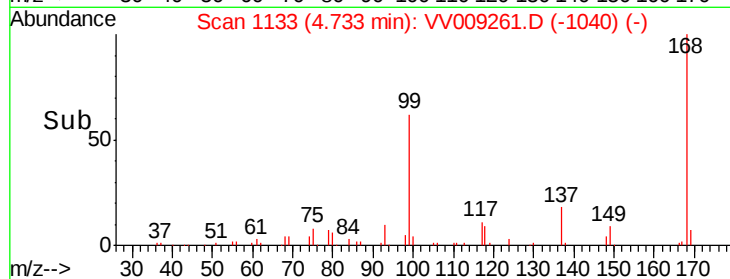
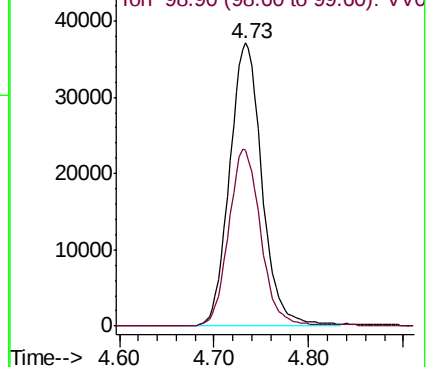
Ion Ratio Lower Upper

168 100

99 62.2 50.0 75.0



Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)



#2

Dichlorodifluoromethane

Concen: 0.027 ug/l

RT: 1.15 min Scan# 18

Delta R.T. 0.01 min

Lab File: VV009261.D

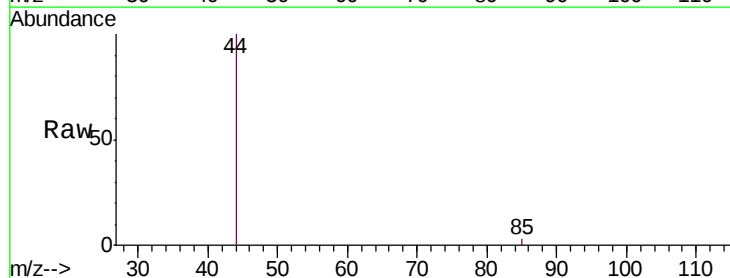
Acq: 24 Jan 2019 15:39

Tgt Ion: 85 Resp: 20

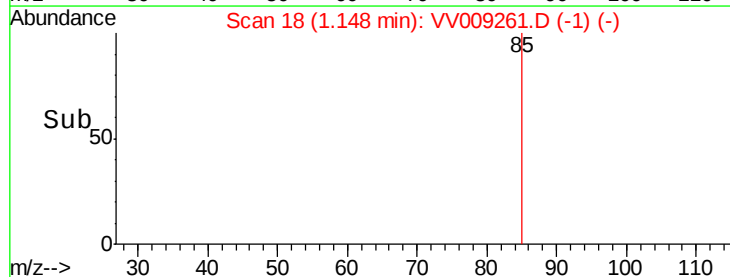
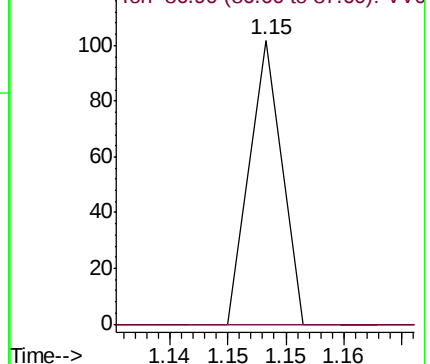
Ion Ratio Lower Upper

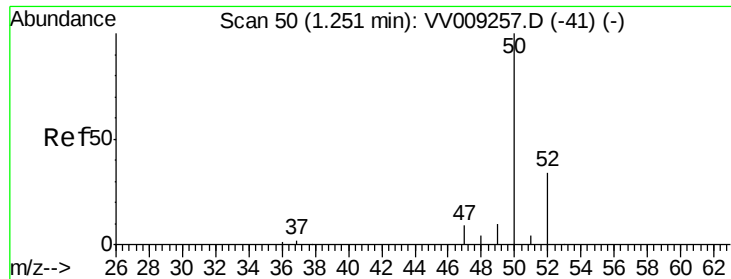
85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)





#3

Chloromethane

Concen: 0.475 ug/l

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

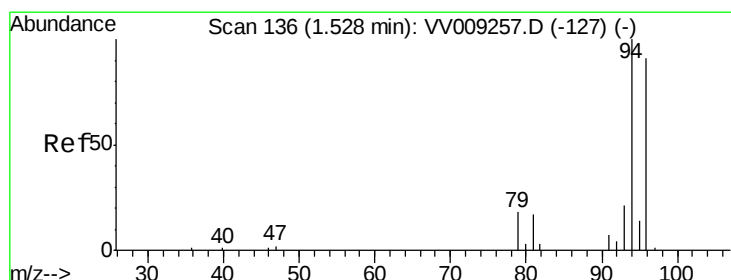
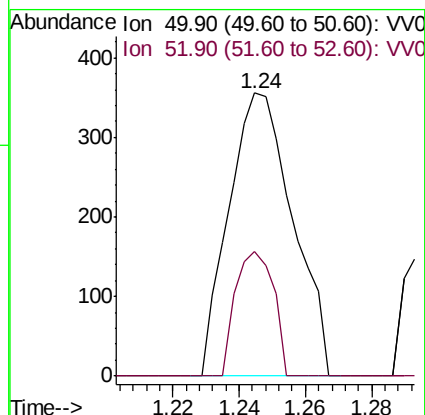
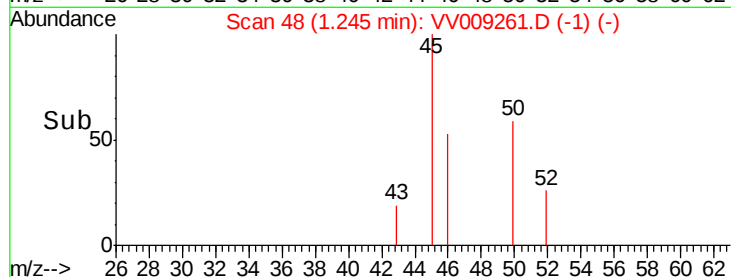
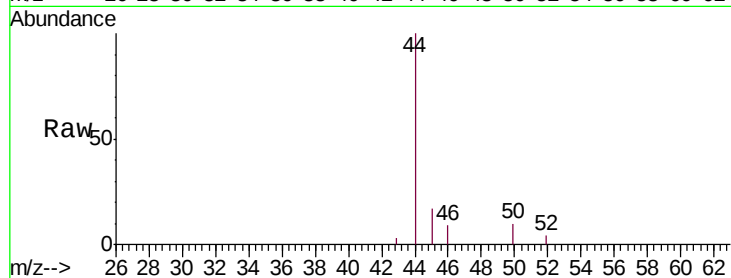
VV0124SBL01

Tgt Ion: 50 Resp: 477

Ion Ratio Lower Upper

50 100

52 44.1 26.8 40.2#



#5

Bromomethane

Concen: 0.493 ug/l

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV009261.D

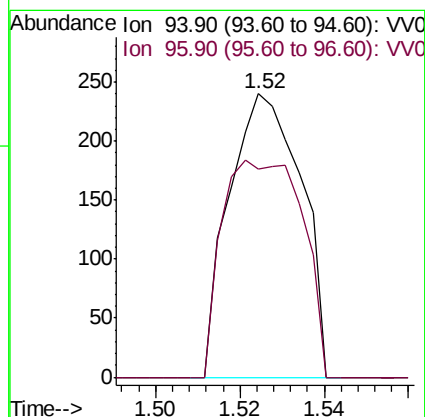
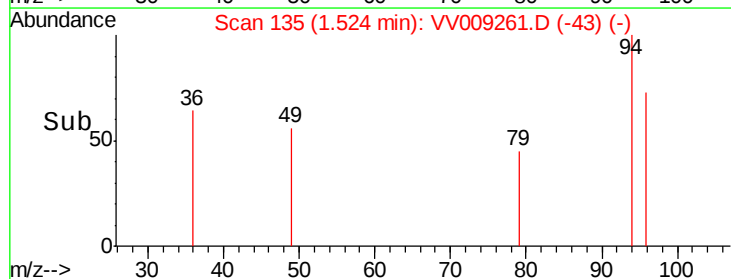
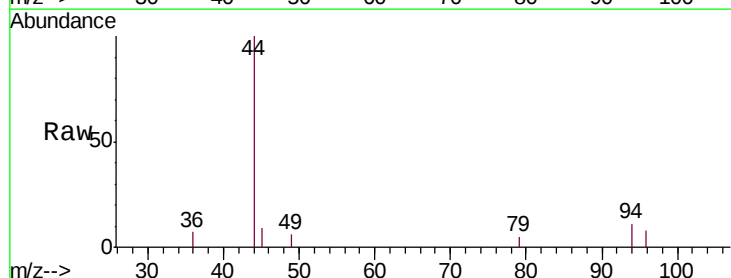
Acq: 24 Jan 2019 15:39

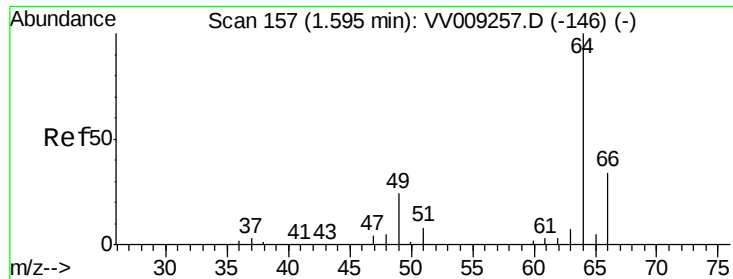
Tgt Ion: 94 Resp: 284

Ion Ratio Lower Upper

94 100

96 73.3 73.0 109.6





#6

Chloroethane

Concen: 0.084 ug/l

RT: 1.38 min Scan# 90

Delta R.T. -0.22 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

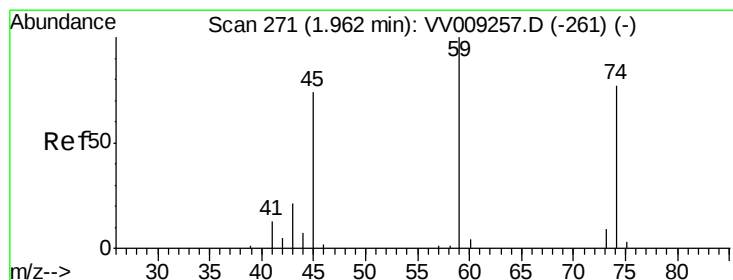
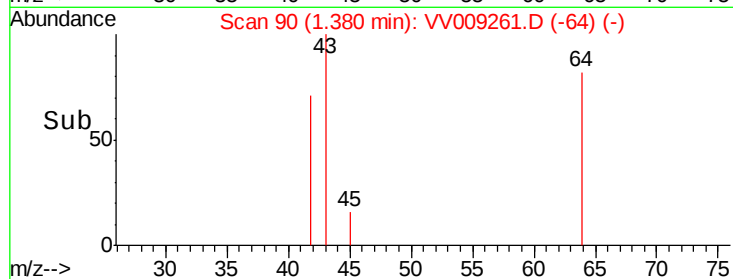
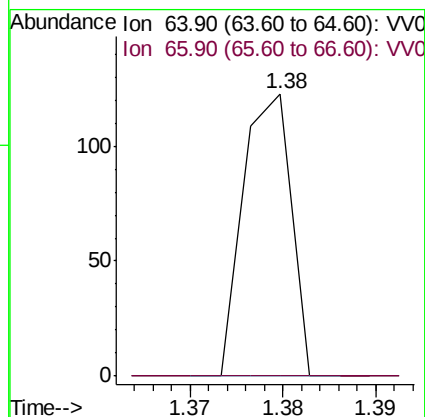
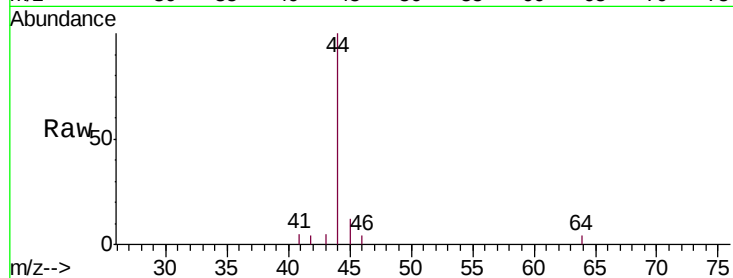
VV0124SBL01

Tgt Ion: 64 Resp: 45

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



#8

Diethyl Ether

Concen: 0.134 ug/l

RT: 1.96 min Scan# 270

Delta R.T. -0.00 min

Lab File: VV009261.D

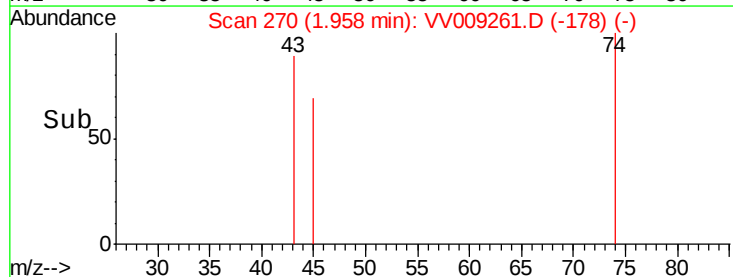
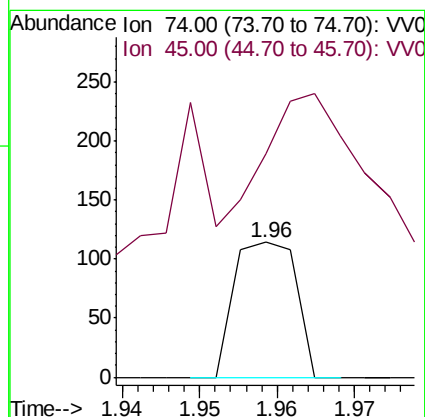
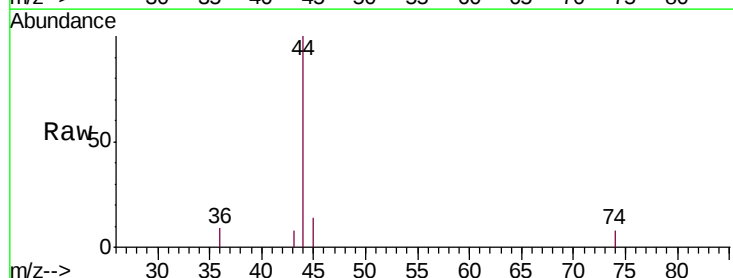
Acq: 24 Jan 2019 15:39

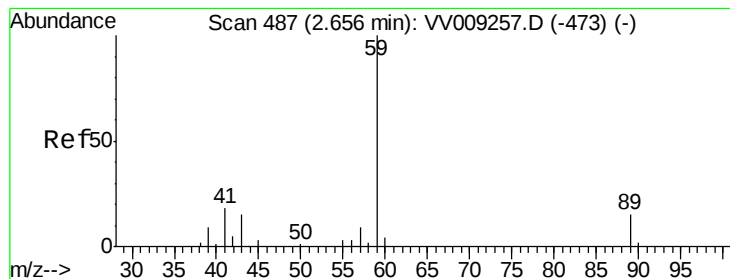
Tgt Ion: 74 Resp: 64

Ion Ratio Lower Upper

74 100

45 393.8 47.4 142.2#



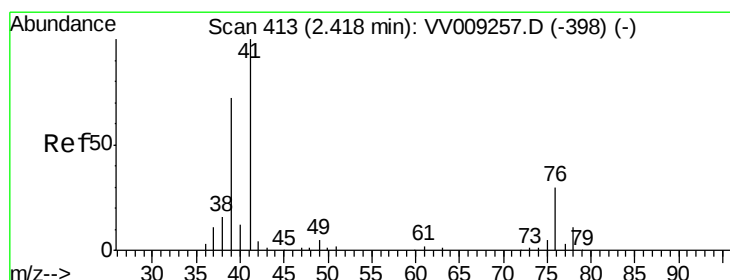
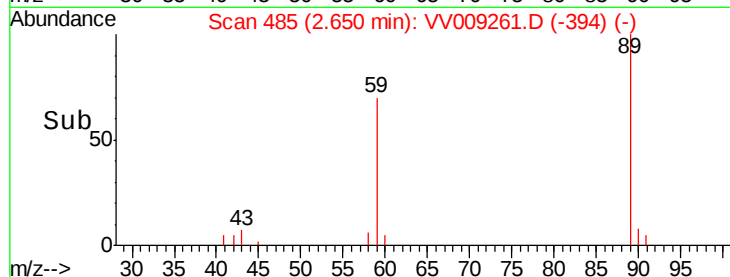
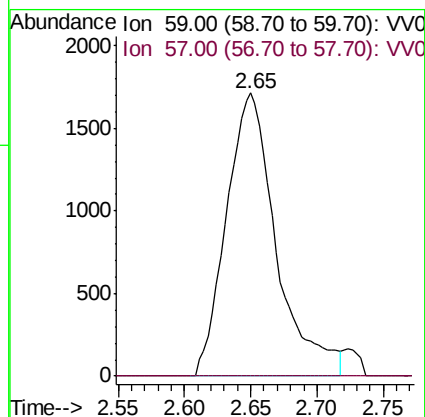
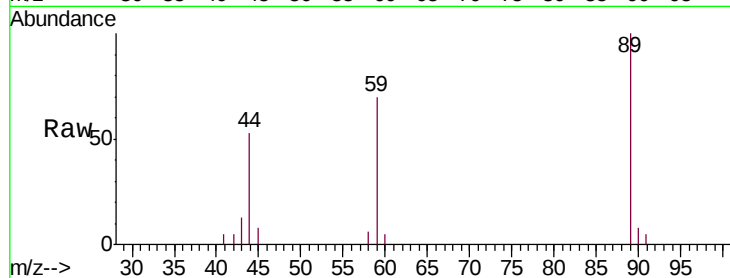


#11

Tert butyl alcohol
 Concen: 37.361 ug/l
 RT: 2.65 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

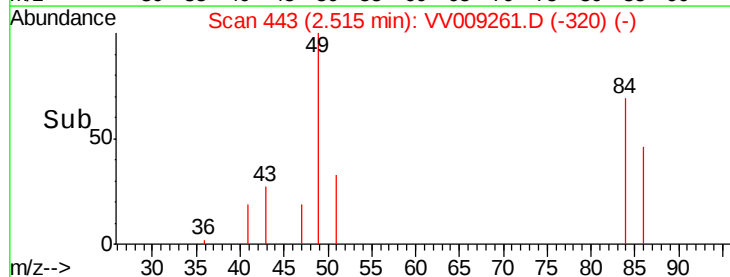
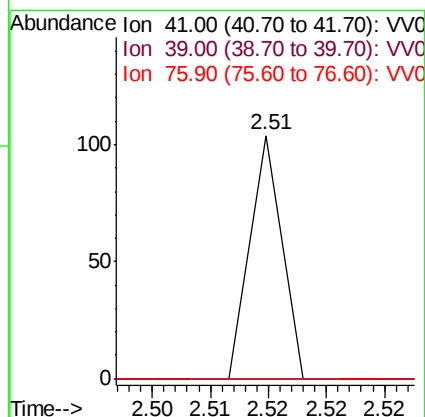
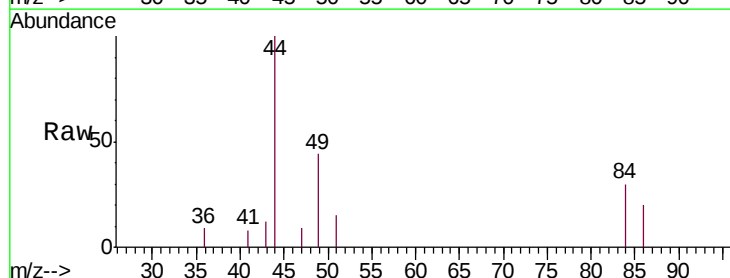
Tgt Ion: 59 Resp: 4480
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

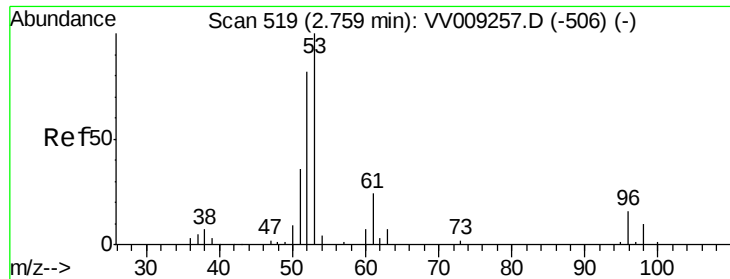


#14

Allyl chloride
 Concen: 0.015 ug/l
 RT: 2.51 min Scan# 443
 Delta R.T. 0.10 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion: 41 Resp: 20
 Ion Ratio Lower Upper
 41 100
 39 0.0 56.4 84.6#
 76 0.0 30.6 46.0#





#15

Acrylonitrile

Concen: 0.883 ug/l

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

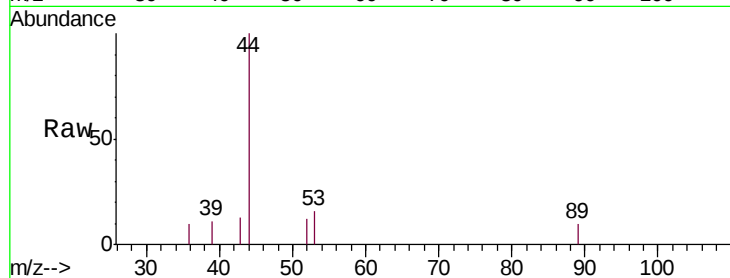
Tgt Ion: 53 Resp: 198

Ion Ratio Lower Upper

53 100

52 96.5 67.2 100.8

51 0.0 29.7 44.5#



Abundance Ion 53.00 (52.70 to 53.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

Ion 51.00 (50.70 to 51.70): VV0

250

200

150

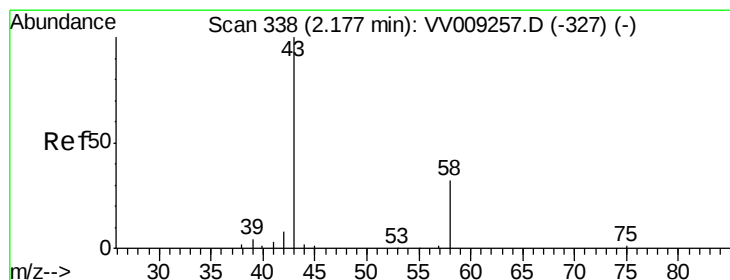
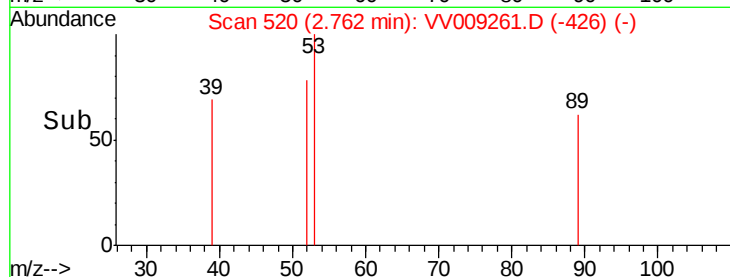
100

50

0

2.74 2.76 2.78

Time-->



#16

Acetone

Concen: 17.941 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009261.D

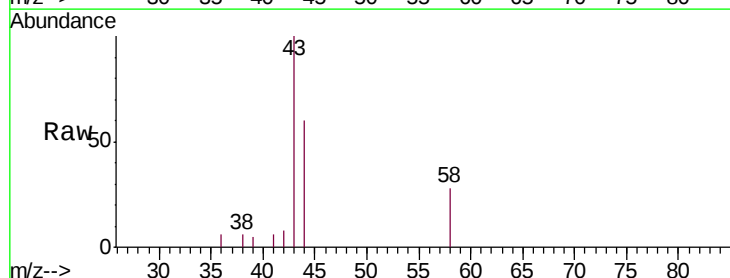
Acq: 24 Jan 2019 15:39

Tgt Ion: 43 Resp: 4719

Ion Ratio Lower Upper

43 100

58 27.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2500

2000

1500

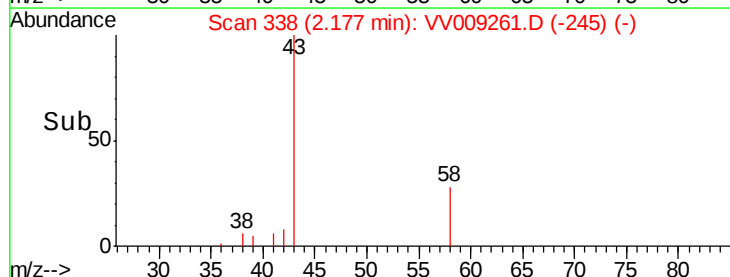
1000

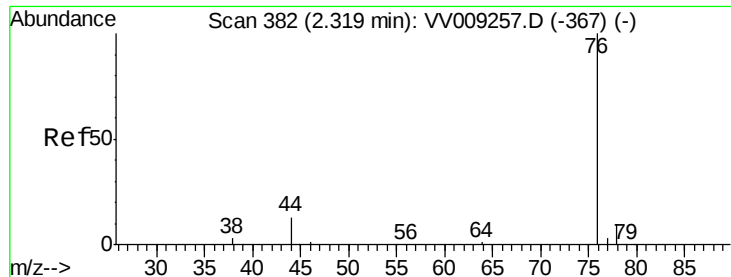
500

0

2.10 2.15 2.20 2.25

Time-->





#17

Carbon Disulfide

Concen: 0.028 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

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ClientSampleId :

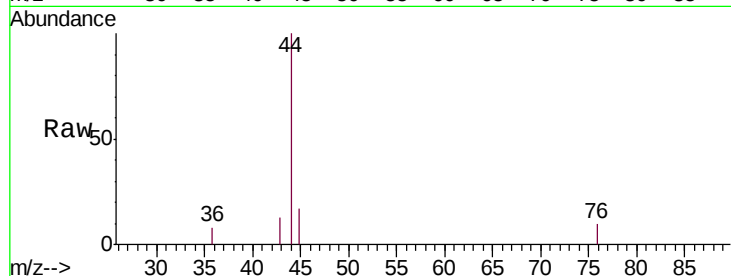
VV0124SBL01

Tgt Ion: 76 Resp: 71

Ion Ratio Lower Upper

76 100

78 0.0 7.9 11.9#



Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0

2.32

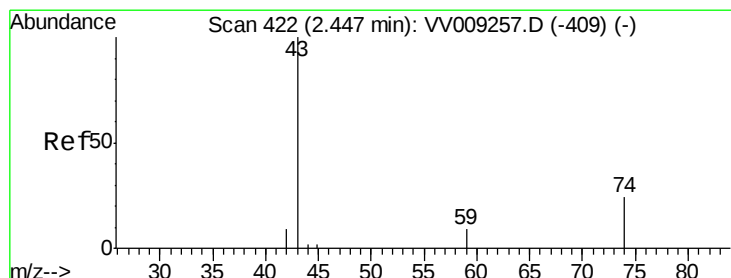
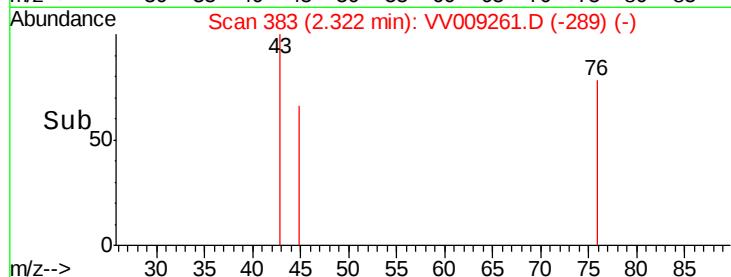
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 0.692 ug/l

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV009261.D

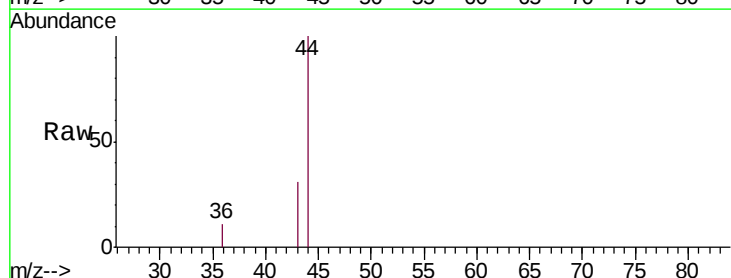
Acq: 24 Jan 2019 15:39

Tgt Ion: 43 Resp: 511

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.44

400

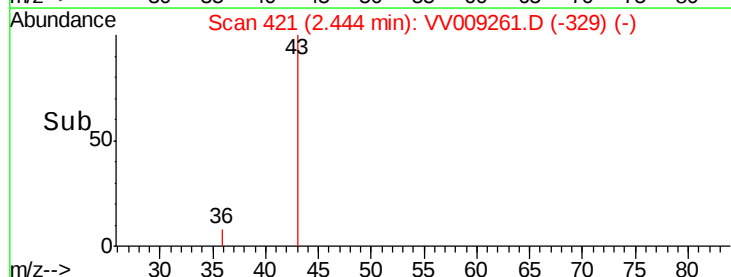
300

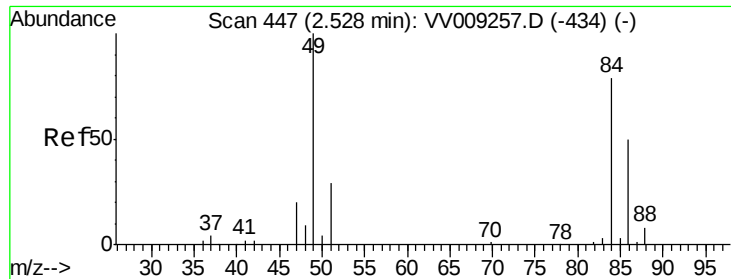
200

100

0

Time-->

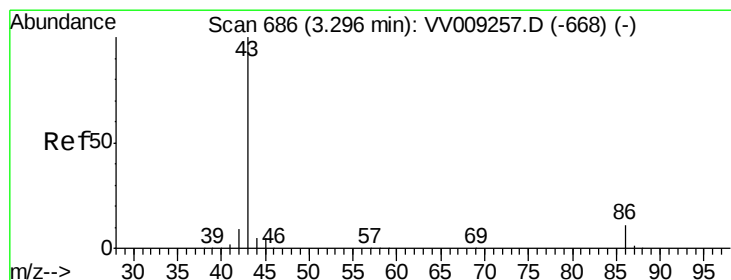
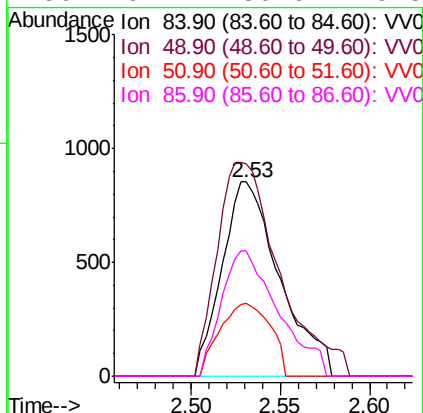
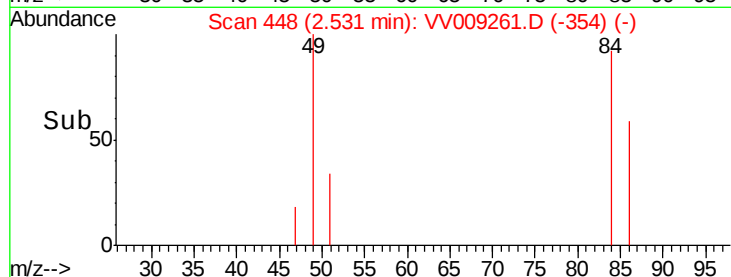
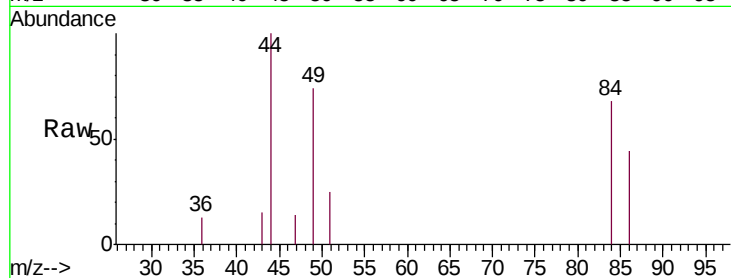




#20
Methylene Chloride
Concen: 1.925 ug/l
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

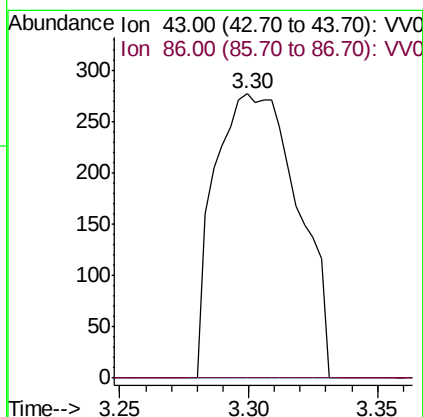
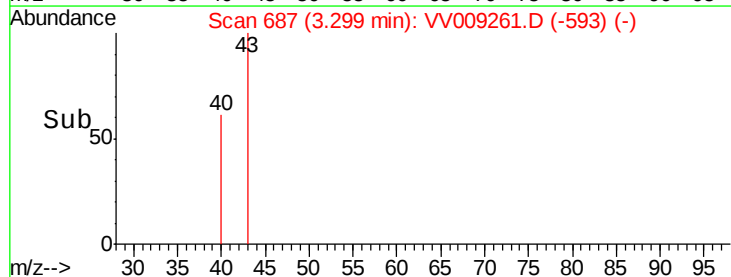
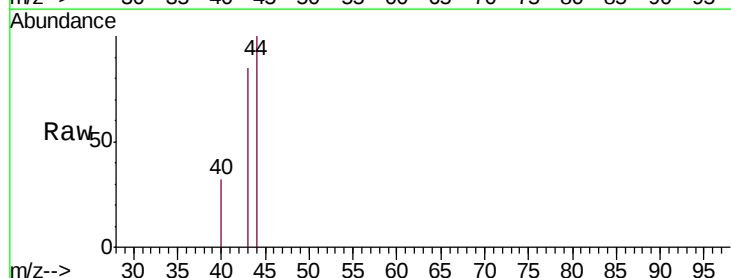
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

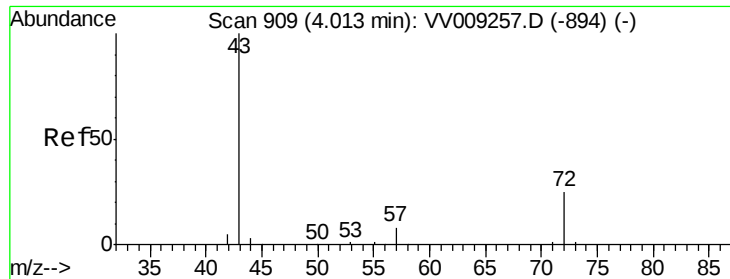
Tgt Ion:	84	Resp:	1925
Ion	Ratio	Lower	Upper
84	100		
49	109.2	101.5	152.3
51	37.4	29.6	44.4
86	64.4	50.6	75.8



#23
Vinyl Acetate
Concen: 0.316 ug/l
RT: 3.30 min Scan# 687
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion:	43	Resp:	619
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

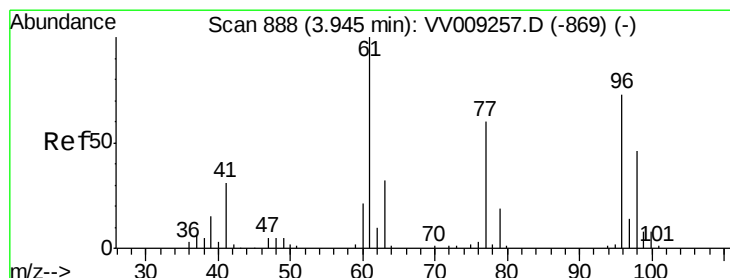
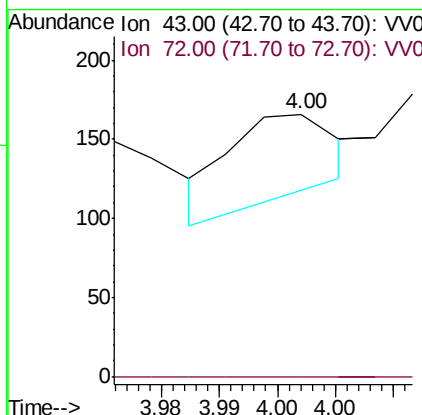
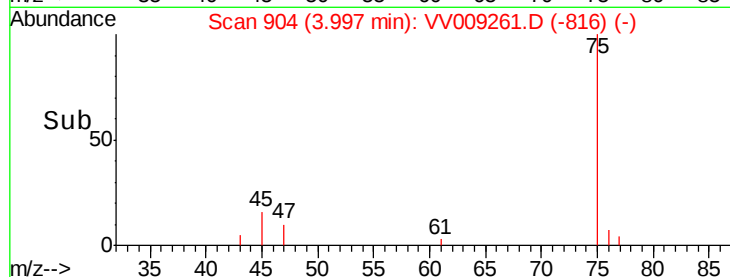
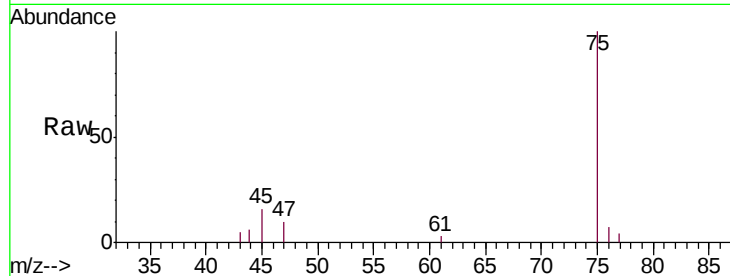




#25
2-Butanone
Concen: 0.091 ug/l
RT: 4.00 min Scan# 904
Delta R.T. -0.02 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

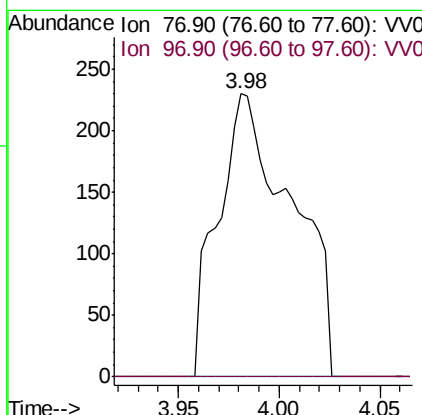
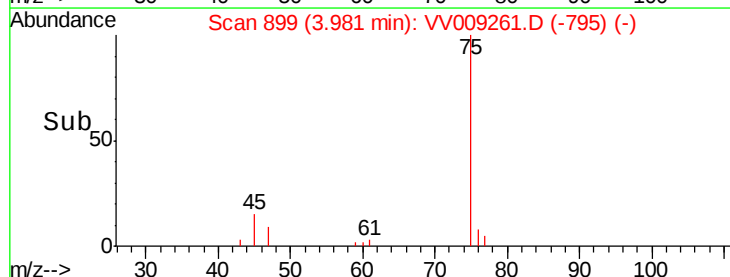
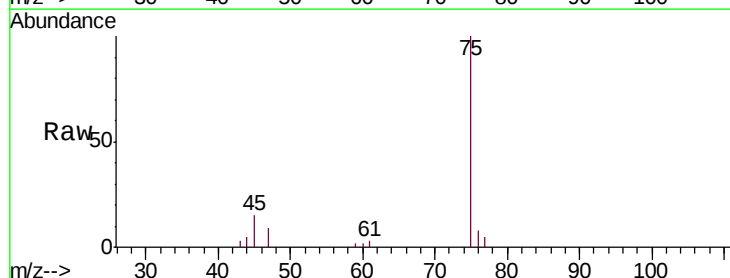
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

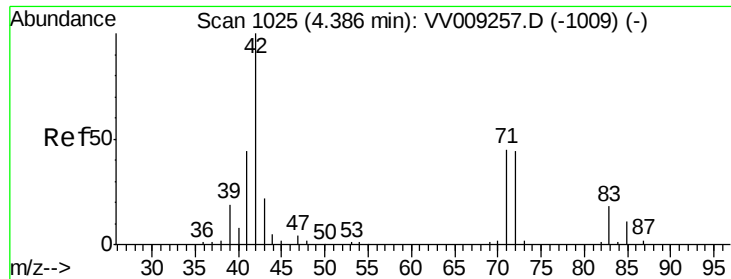
Tgt Ion: 43 Resp: 35
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#26
2,2-Dichloropropane
Concen: 0.588 ug/l
RT: 3.98 min Scan# 899
Delta R.T. 0.04 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion: 77 Resp: 585
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 0.091 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. 0.03 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampled :

VV0124SBL01

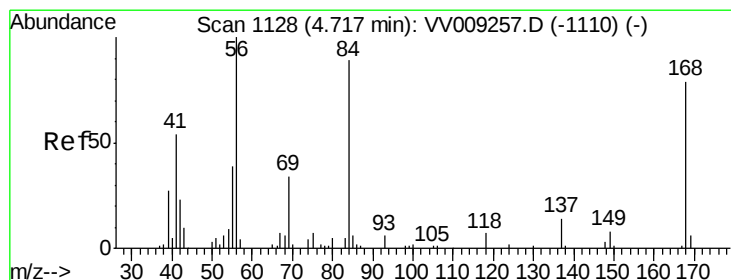
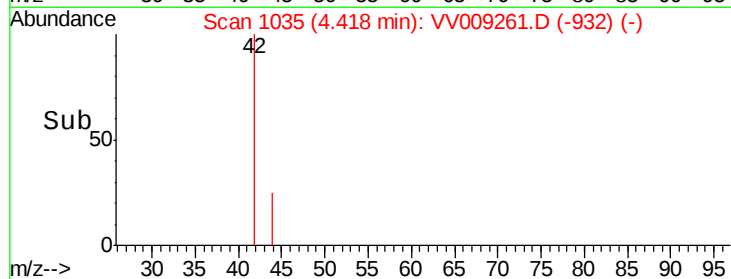
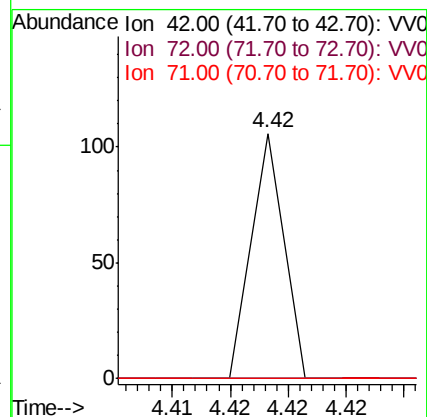
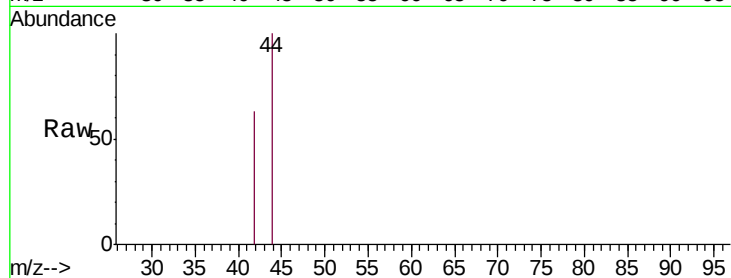
Tgt Ion: 42 Resp: 20

Ion Ratio Lower Upper

42 100

72 0.0 36.0 54.0#

71 0.0 33.3 49.9#



#31

Cyclohexane

Concen: 1.010 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

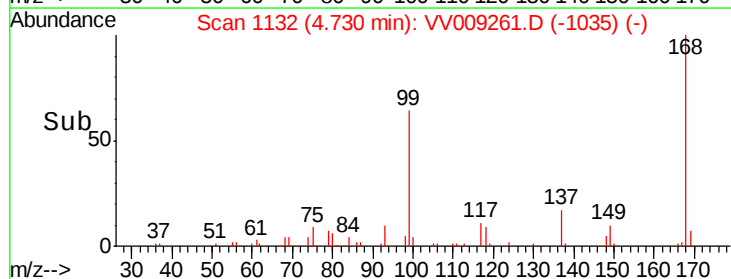
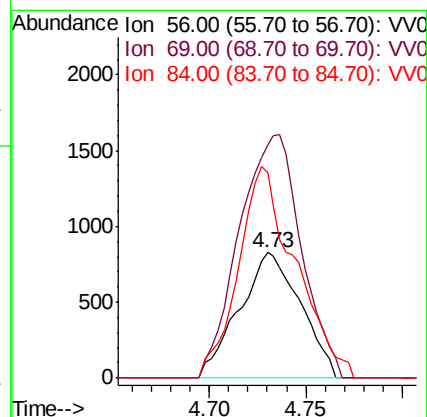
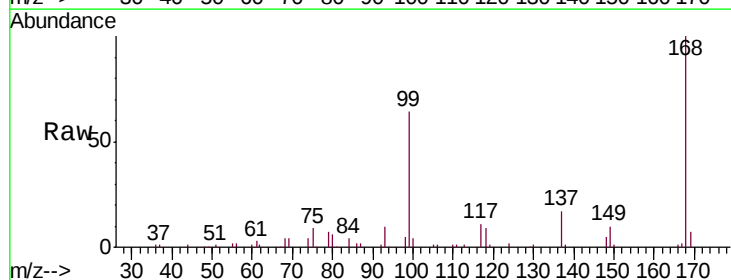
Tgt Ion: 56 Resp: 1825

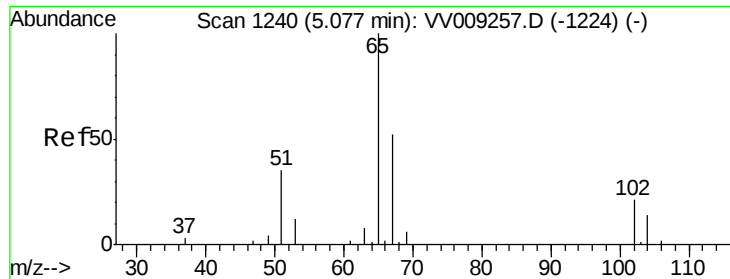
Ion Ratio Lower Upper

56 100

69 185.3 27.5 41.3#

84 162.8 70.9 106.3#

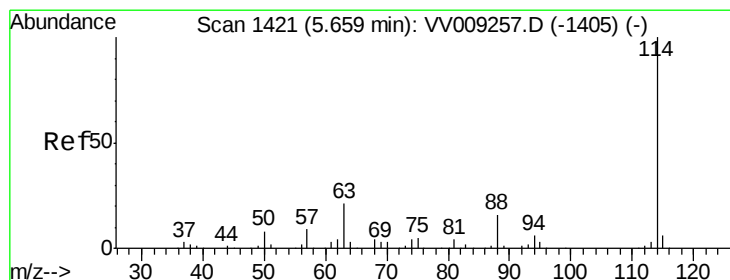
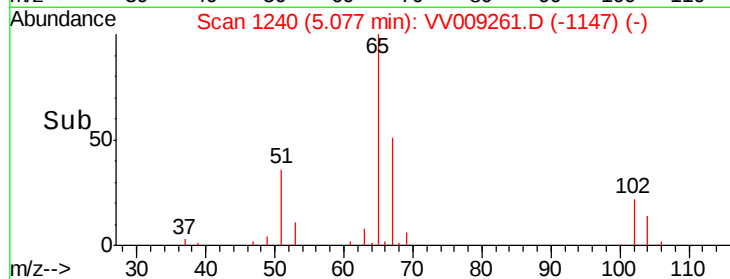
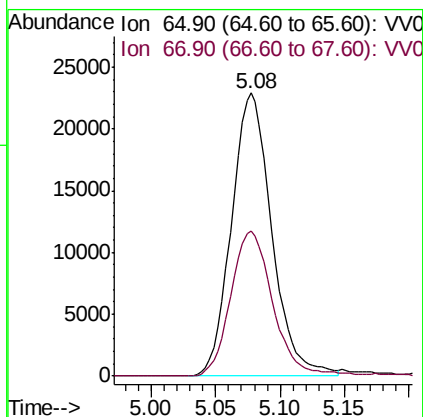
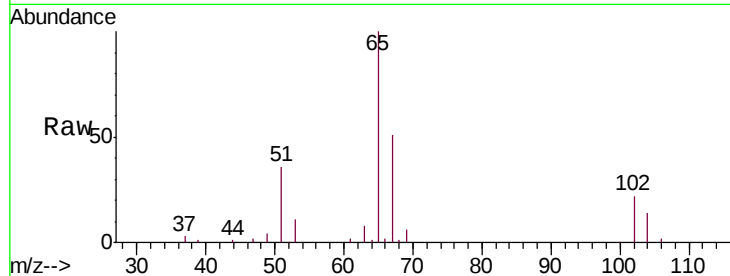




#33
 1,2-Dichloroethane-d4
 Concen: 46.241 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

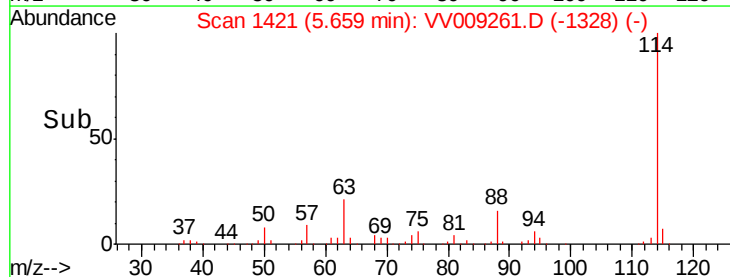
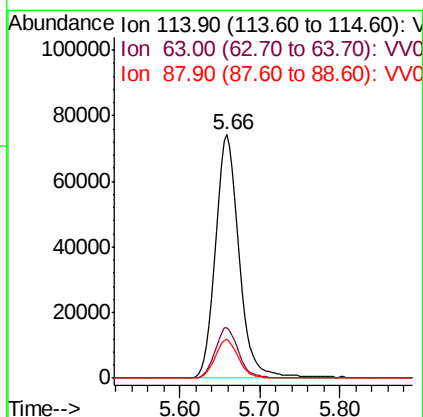
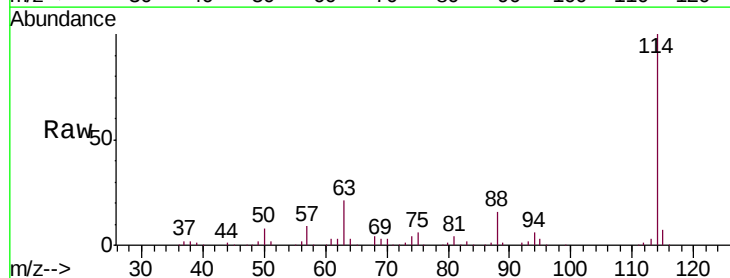
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

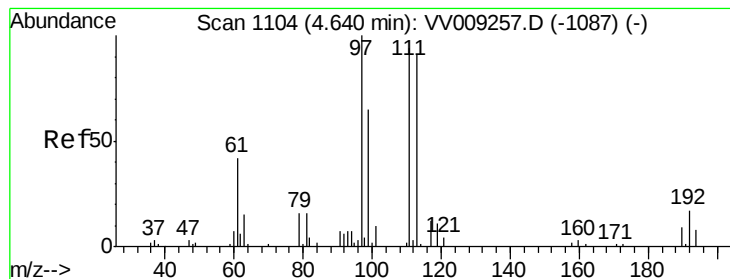
Tgt Ion: 65 Resp: 49781
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion: 114 Resp: 152643
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 45.113 ug/l

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

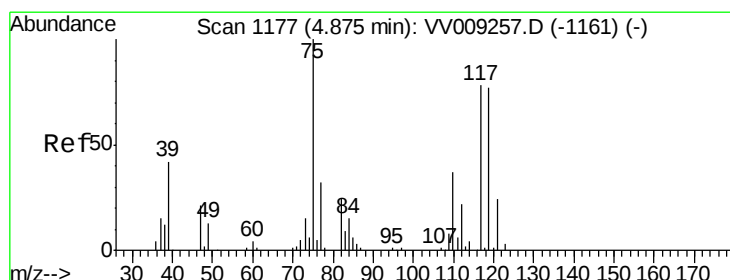
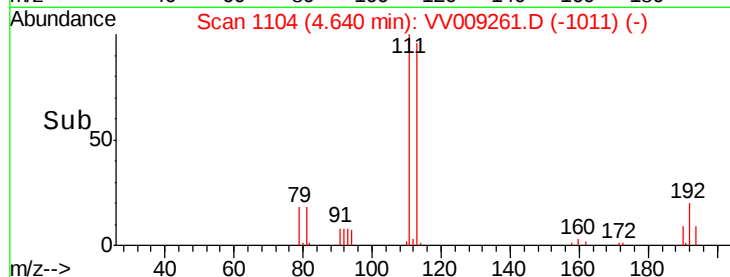
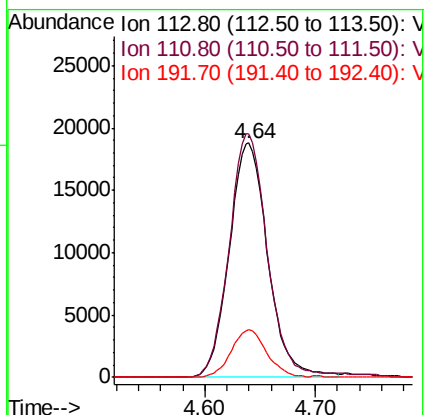
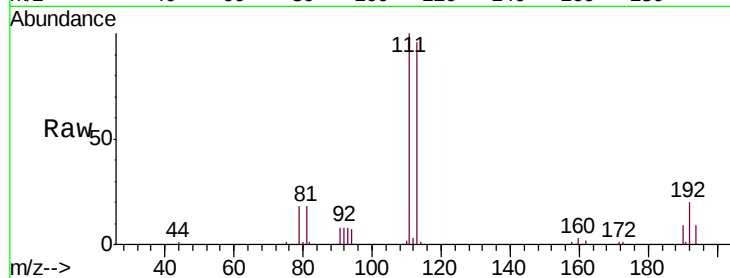
Tgt Ion:113 Resp: 45433

Ion Ratio Lower Upper

113 100

111 104.7 82.3 123.5

192 18.9 15.0 22.6



#36

1,1-Dichloropropene

Concen: 5.120 ug/l

RT: 4.73 min Scan# 1131

Delta R.T. -0.15 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

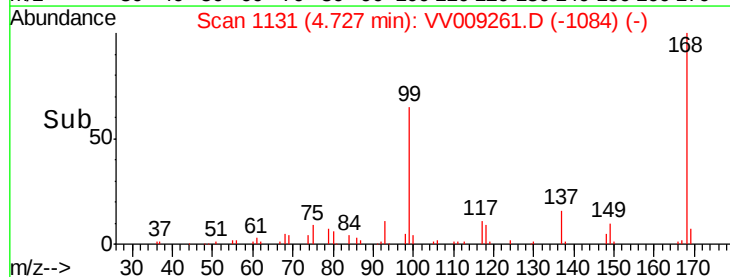
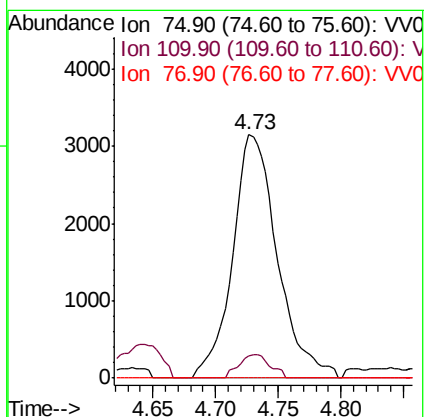
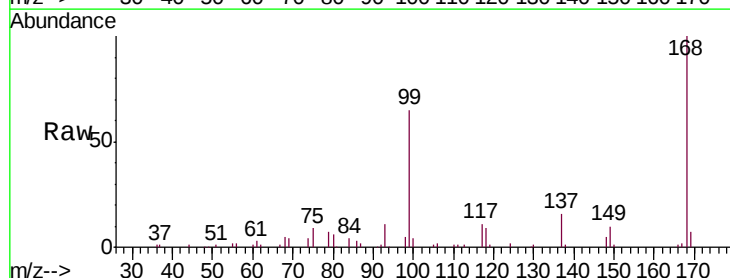
Tgt Ion: 75 Resp: 7826

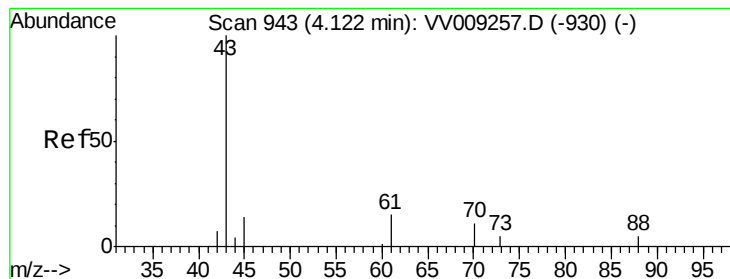
Ion Ratio Lower Upper

75 100

110 6.7 17.6 52.9#

77 0.0 25.5 38.3#





#37

Ethyl Acetate

Concen: 3.618 ug/l

RT: 4.14 min Scan# 949

Delta R.T. 0.02 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

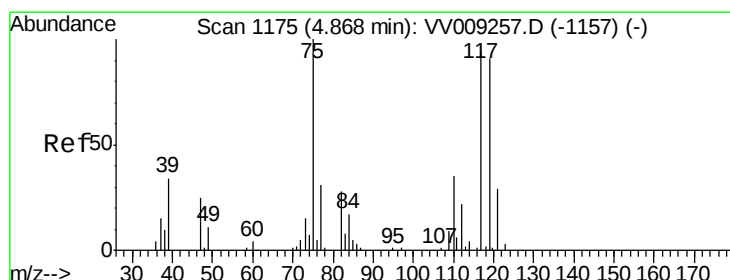
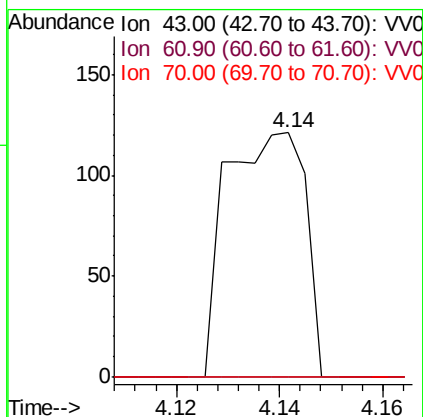
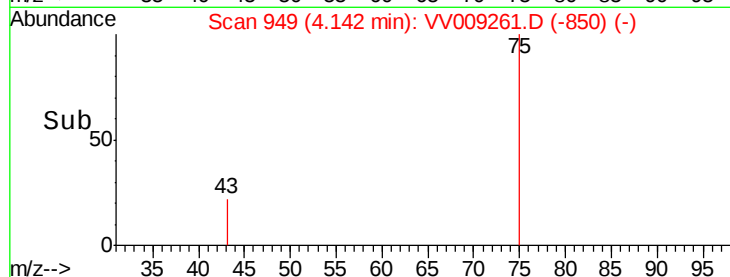
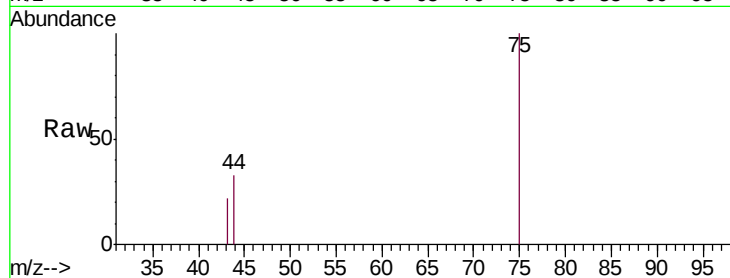
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 6.193 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.14 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

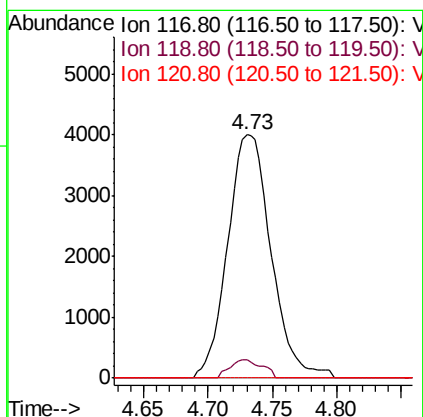
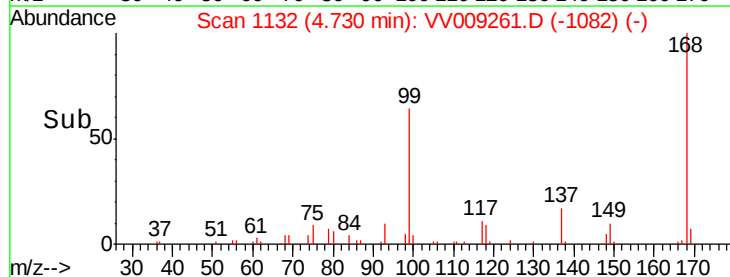
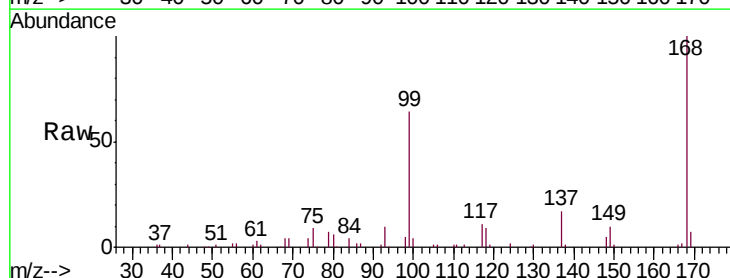
Tgt Ion: 117 Resp: 9361

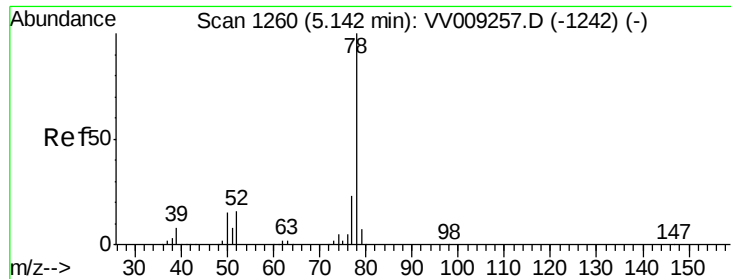
Ion Ratio Lower Upper

117 100

119 7.4 77.4 116.2#

121 0.0 24.8 37.2#





#40

Benzene

Concen: 0.036 ug/l

RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

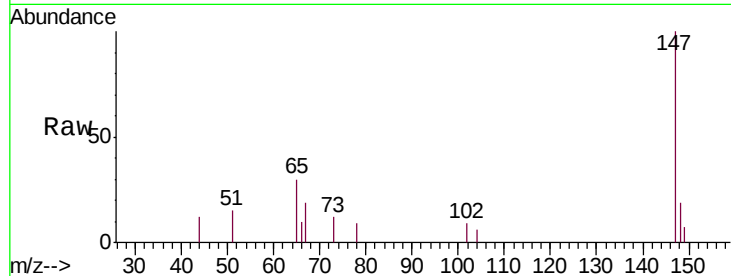
VV0124SBL01

Tgt Ion: 78 Resp: 164

Ion Ratio Lower Upper

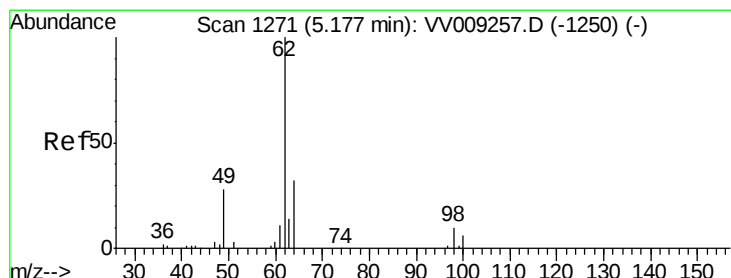
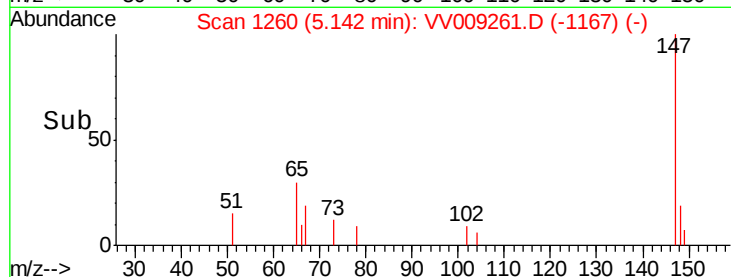
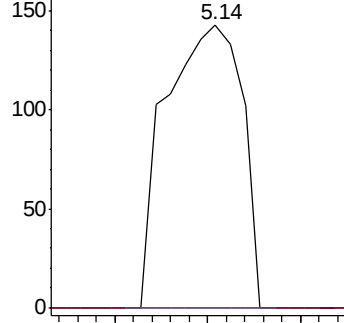
78 100

77 0.0 18.6 27.8#



Abundance Ion 78.00 (77.70 to 78.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#42

1,2-Dichloroethane

Concen: 0.014 ug/l

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV009261.D

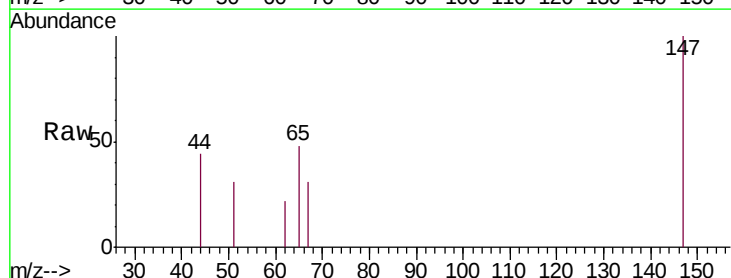
Acq: 24 Jan 2019 15:39

Tgt Ion: 62 Resp: 19

Ion Ratio Lower Upper

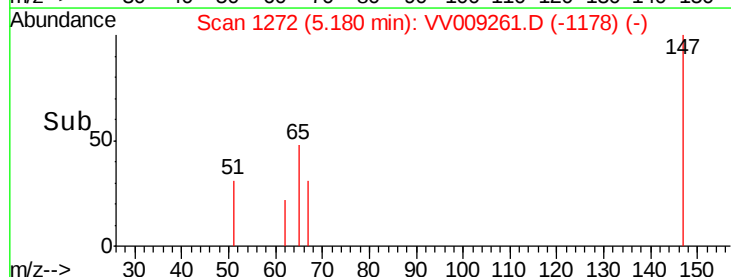
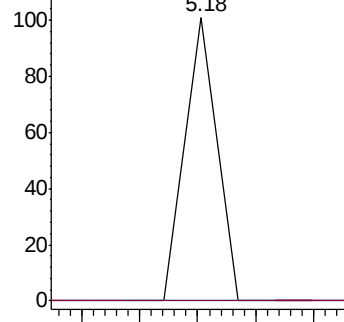
62 100

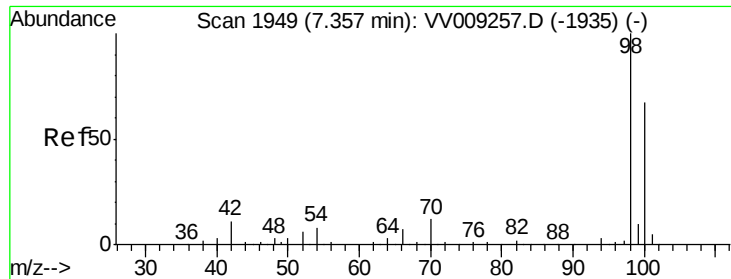
98 0.0 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 97.90 (97.60 to 98.60): VV0





#50

Toluene-d8

Concen: 44.832 ug/l

RT: 7.36 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

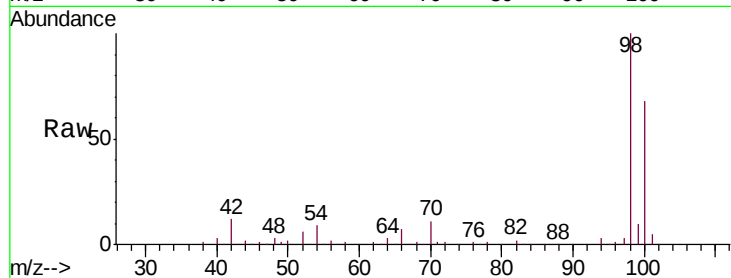
VV0124SBL01

Tgt Ion: 98 Resp: 171947

Ion Ratio Lower Upper

98 100

100 68.0 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VV009257.D (-1935) (-)

Ion 100.00 (99.70 to 100.70): VV009261.D (-1856) (-)

7.36

100000

80000

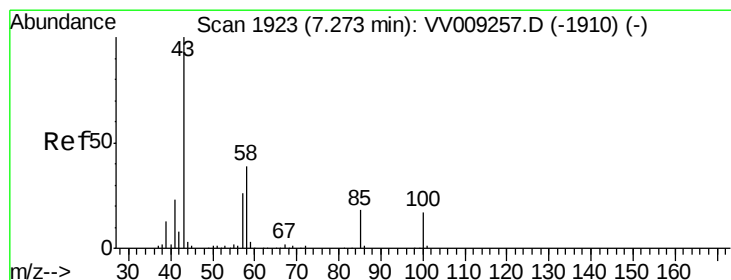
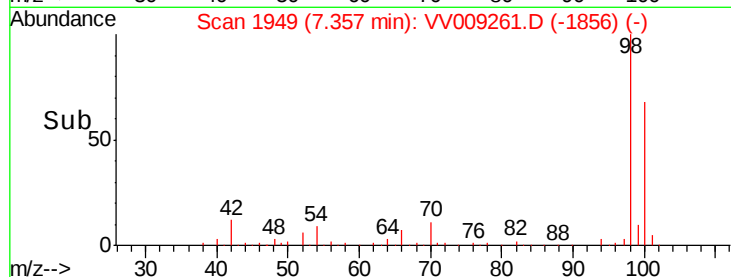
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.678 ug/l

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV009261.D

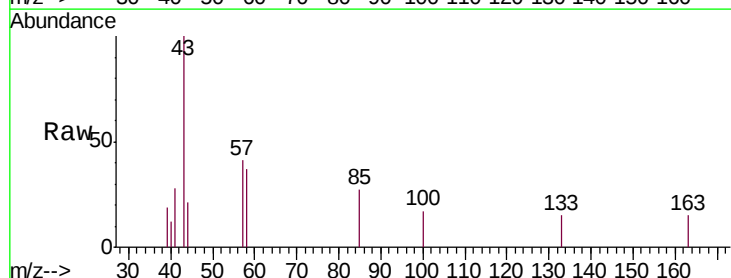
Acq: 24 Jan 2019 15:39

Tgt Ion: 43 Resp: 2087

Ion Ratio Lower Upper

43 100

58 34.2 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-1910) (-)

Ion 58.00 (57.70 to 58.70): VV009261.D (-1830) (-)

7.28

1000

800

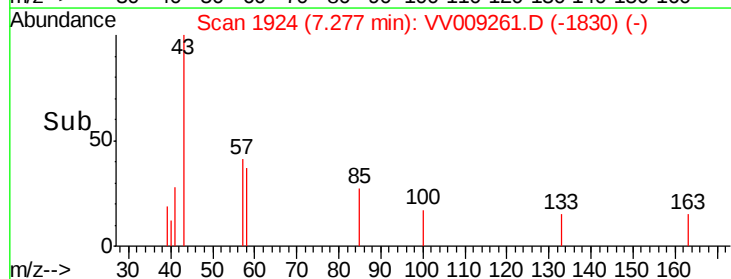
600

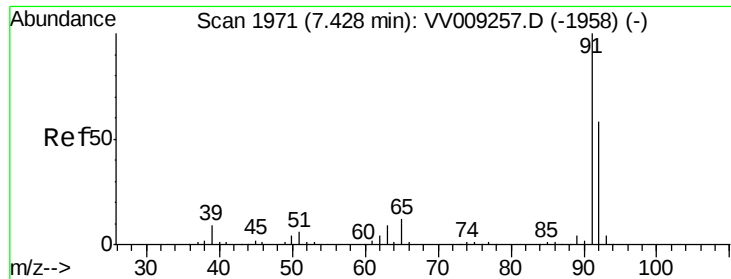
400

200

0

Time-->





#52

Toluene

Concen: 0.116 ug/l

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

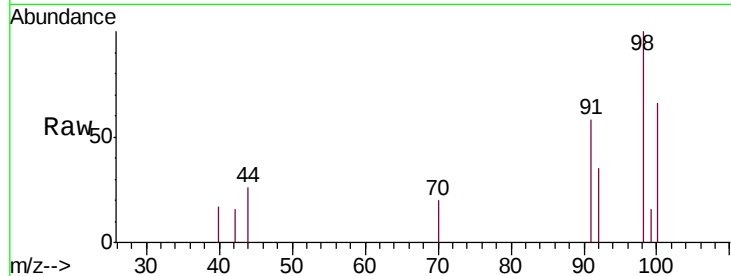
VV0124SBL01

Tgt Ion: 92 Resp: 329

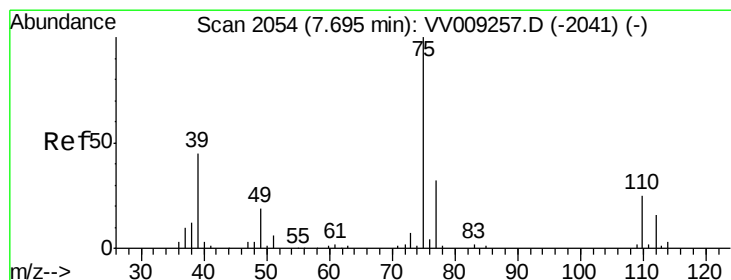
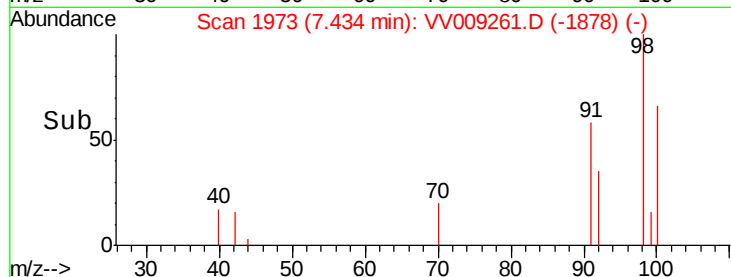
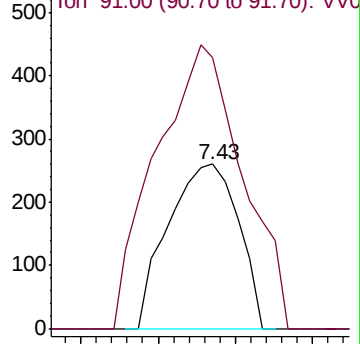
Ion Ratio Lower Upper

92 100

91 211.6 137.2 205.8#



Abundance Ion 92.00 (91.70 to 92.70): VV009257.D (-1958) (-)



#53

t-1,3-Dichloropropene

Concen: 0.048 ug/l

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009261.D

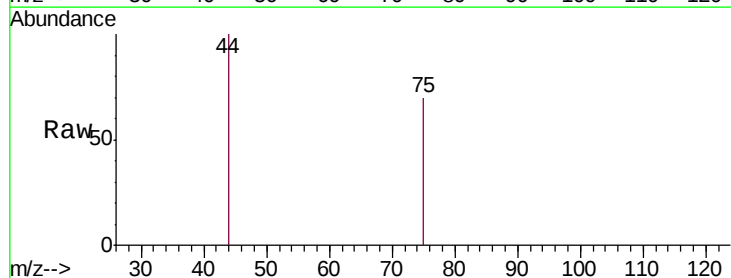
Acq: 24 Jan 2019 15:39

Tgt Ion: 75 Resp: 71

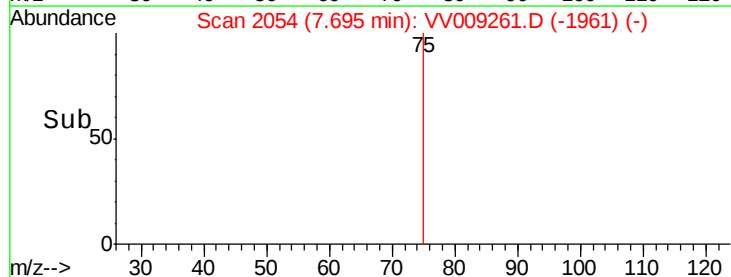
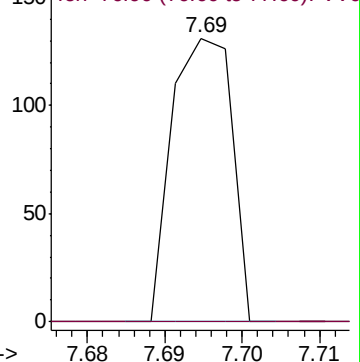
Ion Ratio Lower Upper

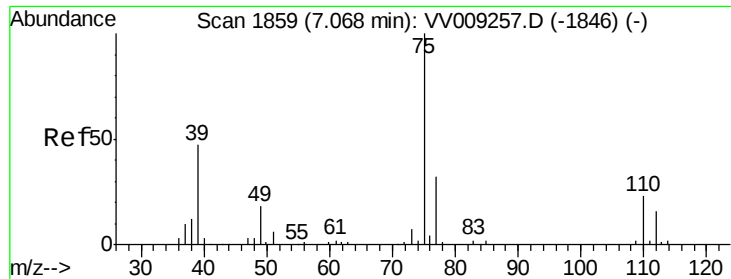
75 100

77 0.0 25.9 38.9#



Abundance Ion 74.90 (74.60 to 75.60): VV009257.D (-2041) (-)



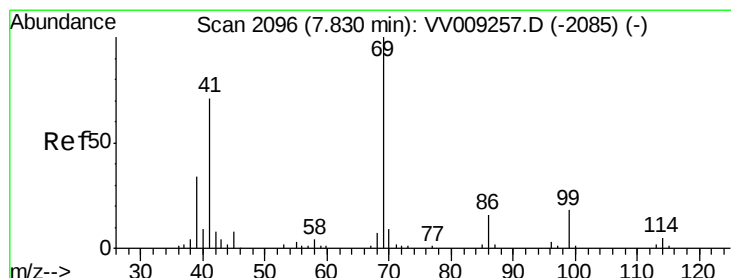
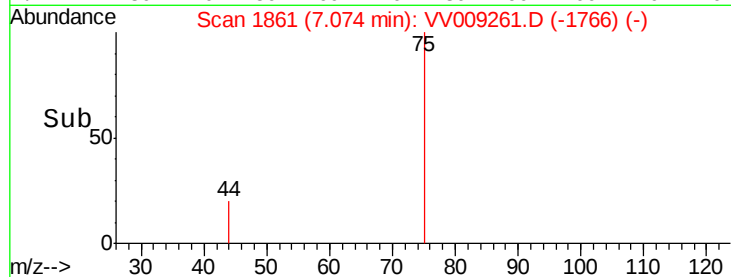
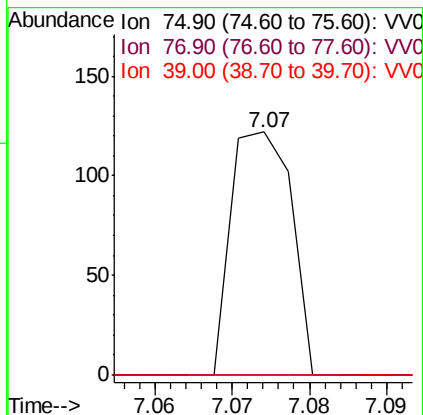
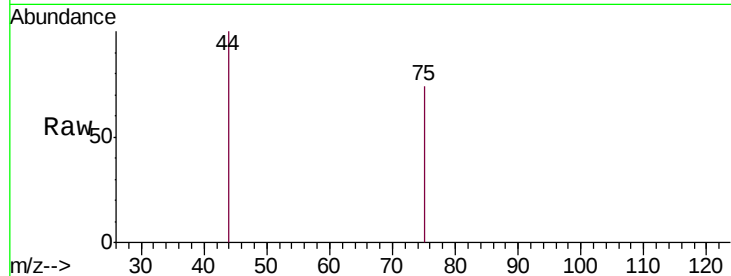


#54

cis-1,3-Dichloropropene
Concen: 0.039 ug/l
RT: 7.07 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

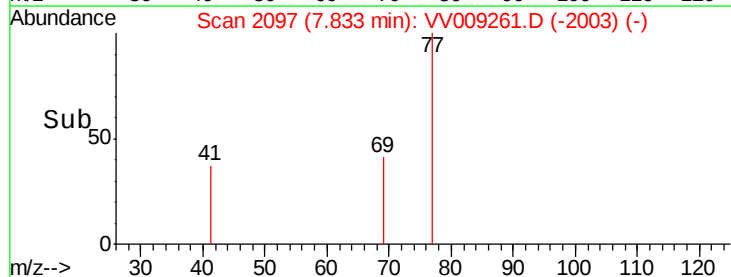
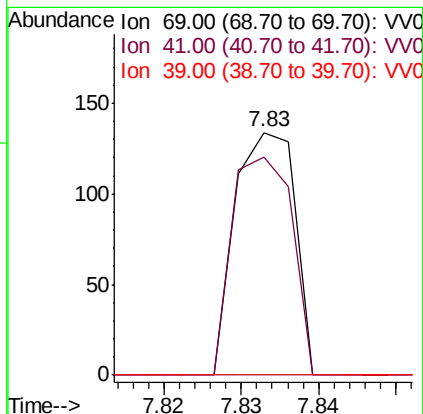
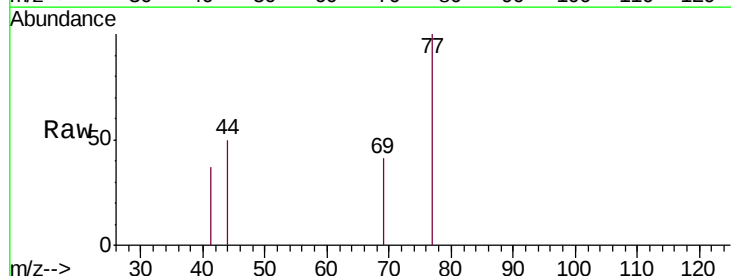
Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#
39 0.0 38.0 57.0#

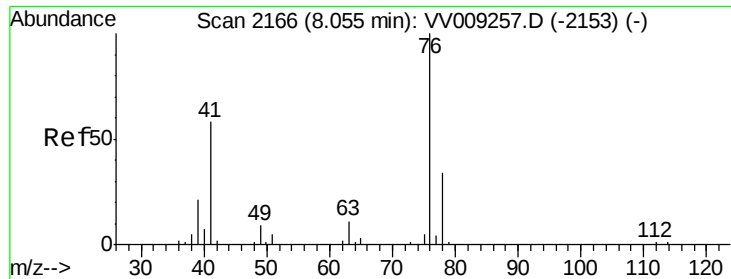


#56

Ethyl methacrylate
Concen: 0.069 ug/l
RT: 7.83 min Scan# 2097
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 90.3 54.6 81.8#
39 0.0 27.0 40.4#

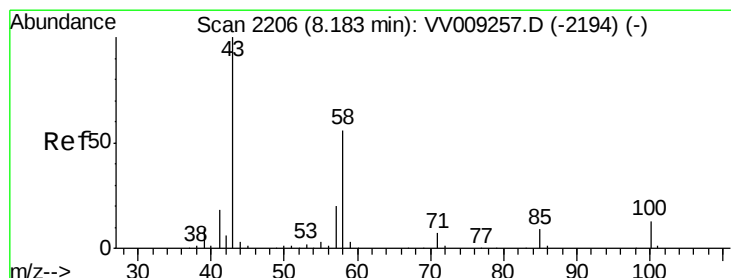
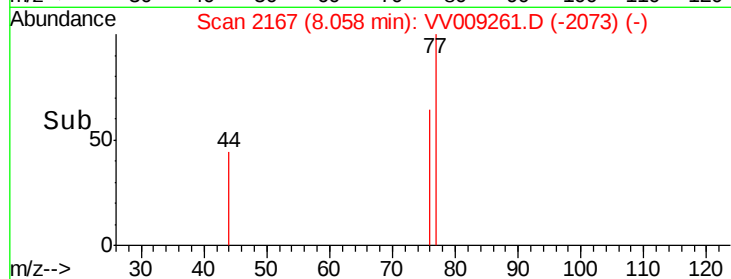
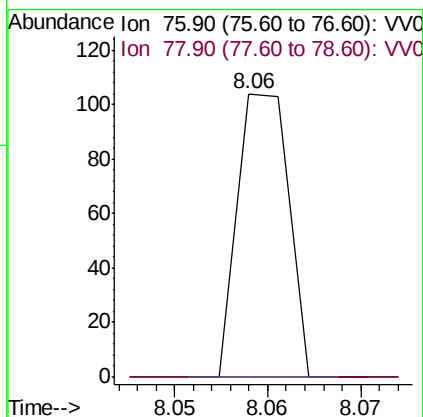
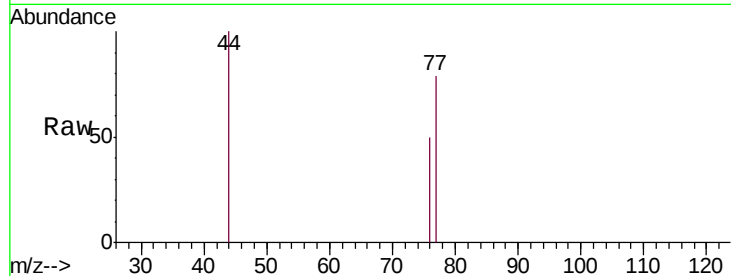




#57
 1,3-Dichloropropane
 Concen: 0.026 ug/l
 RT: 8.06 min Scan# 2167
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

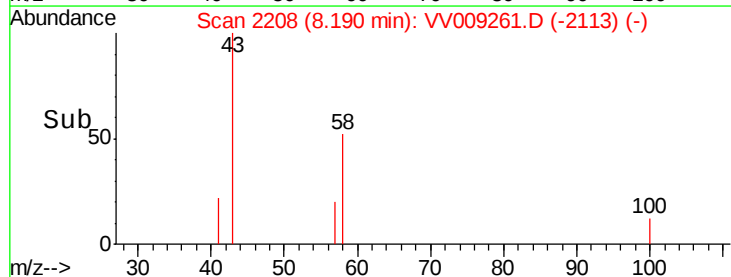
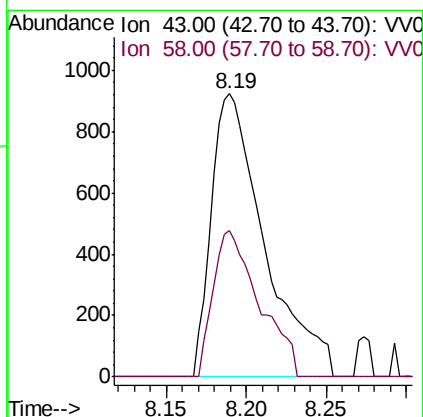
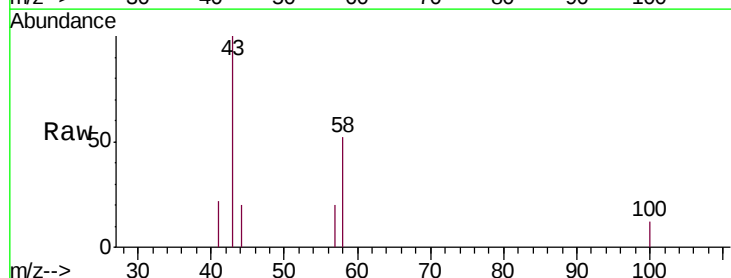
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

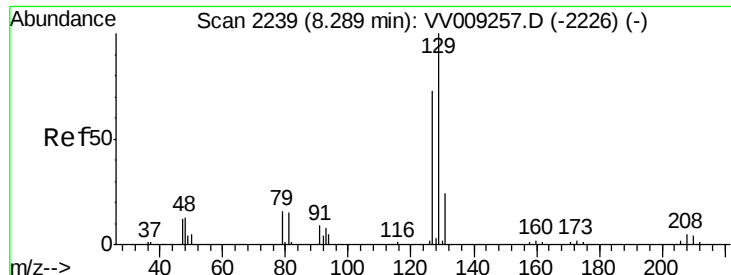
Tgt Ion: 76 Resp: 40
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.6 40.0#



#59
 2-Hexanone
 Concen: 3.777 ug/l
 RT: 8.19 min Scan# 2208
 Delta R.T. 0.01 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion: 43 Resp: 2116
 Ion Ratio Lower Upper
 43 100
 58 44.7 27.9 83.7





#60

Dibromochloromethane

Concen: 0.103 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

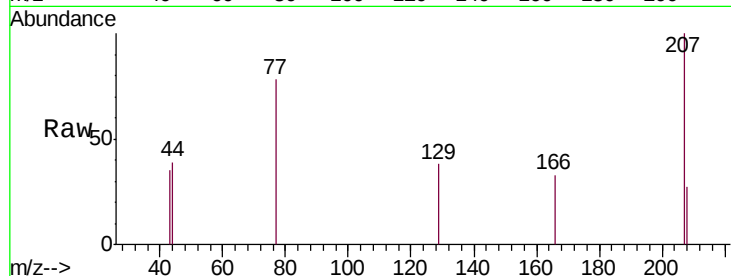
VV0124SBL01

Tgt Ion:129 Resp: 102

Ion Ratio Lower Upper

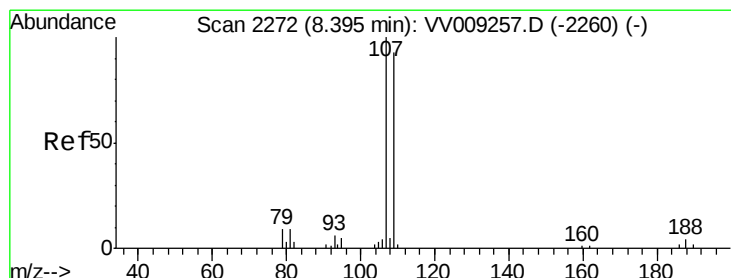
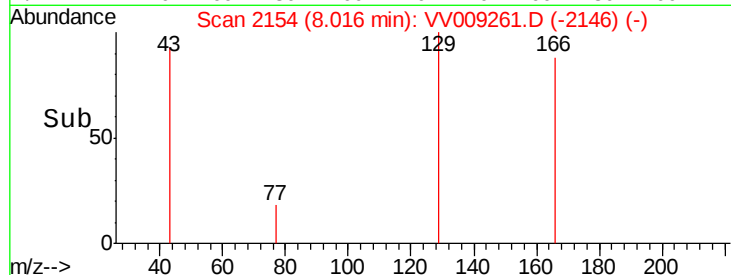
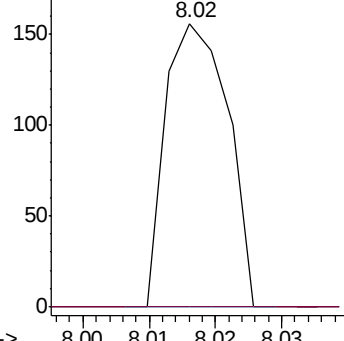
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.023 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV009261.D

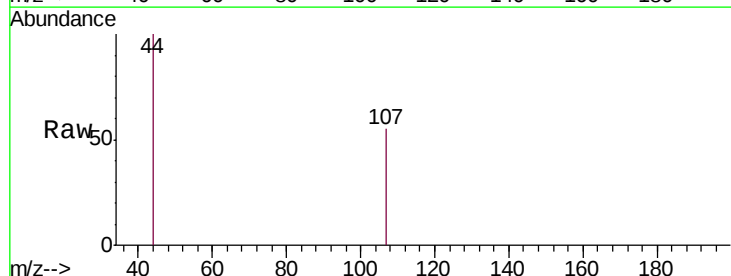
Acq: 24 Jan 2019 15:39

Tgt Ion:107 Resp: 20

Ion Ratio Lower Upper

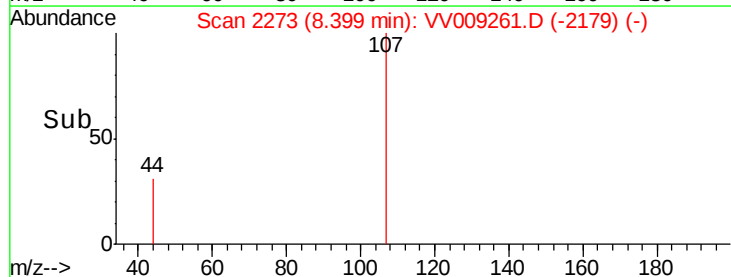
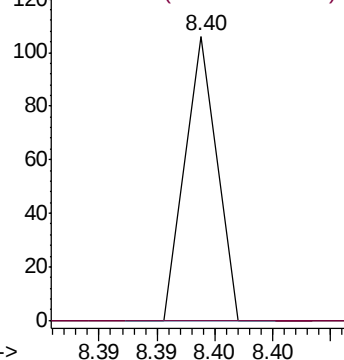
107 100

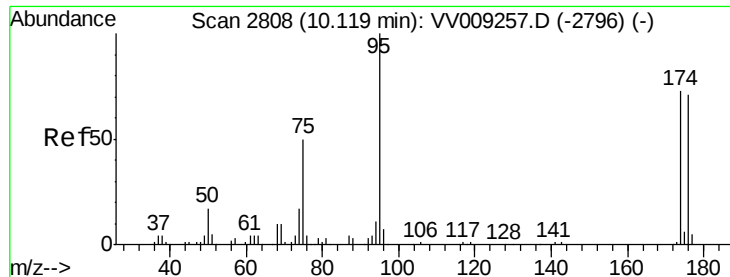
109 0.0 74.7 112.1#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43.642 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

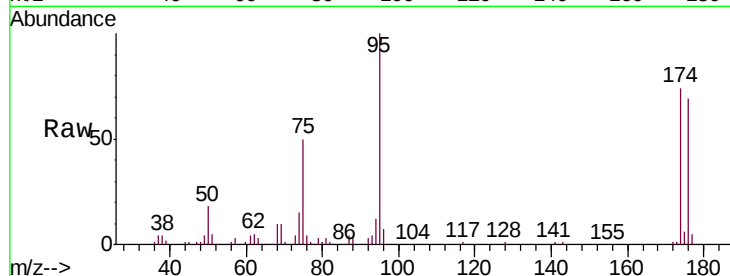
Tgt Ion: 95 Resp: 64564

Ion Ratio Lower Upper

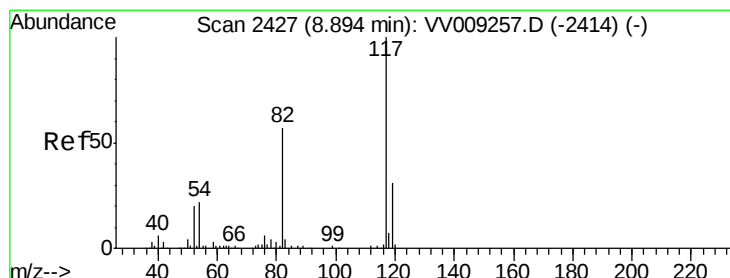
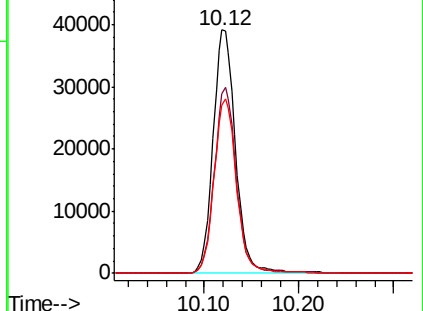
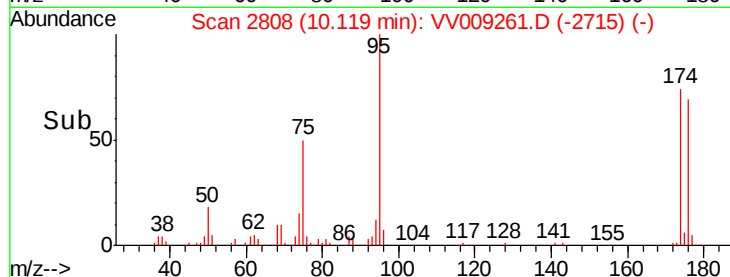
95 100

174 74.7 0.0 150.0

176 70.9 0.0 144.0



Abundance Ion 94.90 (94.60 to 95.60): VV009261.D (-2715) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.90 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

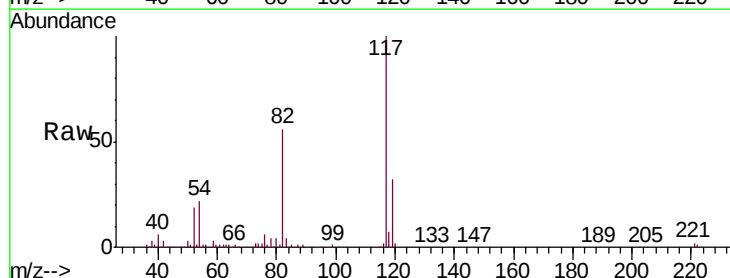
Tgt Ion: 117 Resp: 140332

Ion Ratio Lower Upper

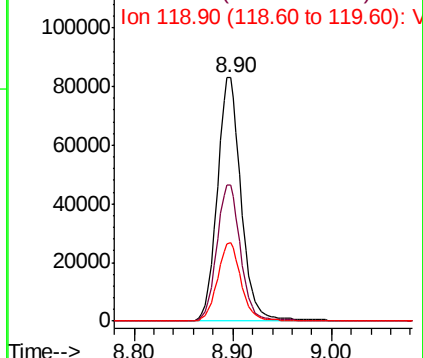
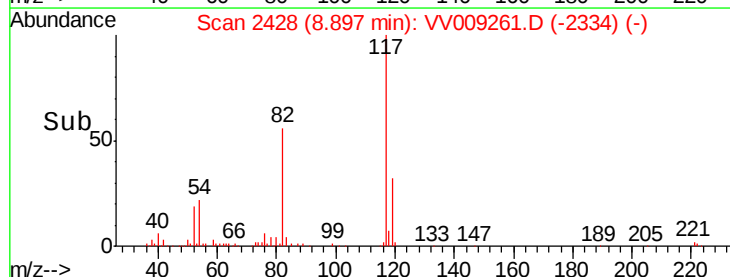
117 100

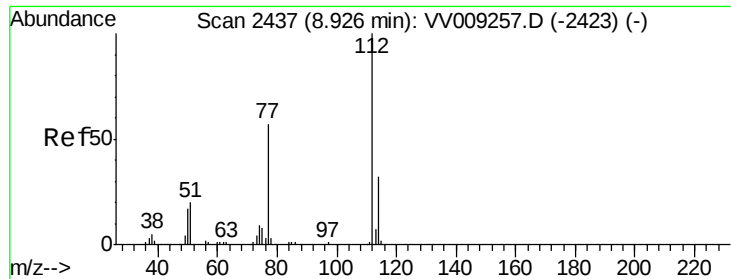
82 55.9 45.8 68.6

119 32.3 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): VV009261.D (-2334) (-)

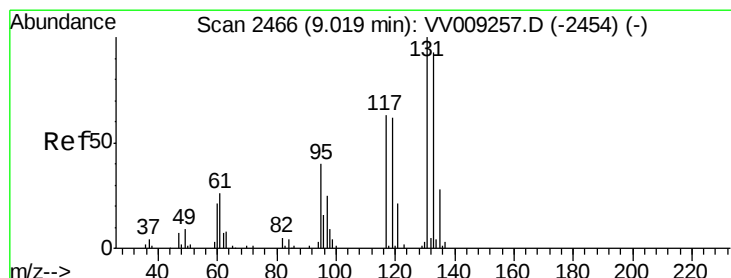
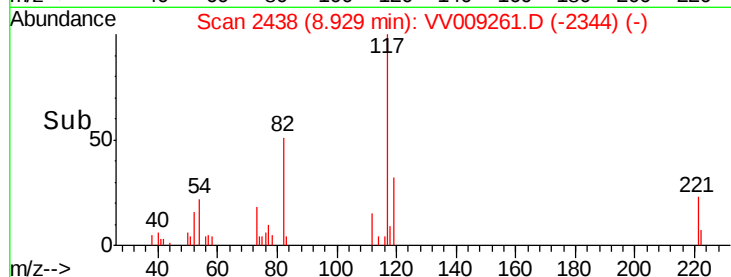
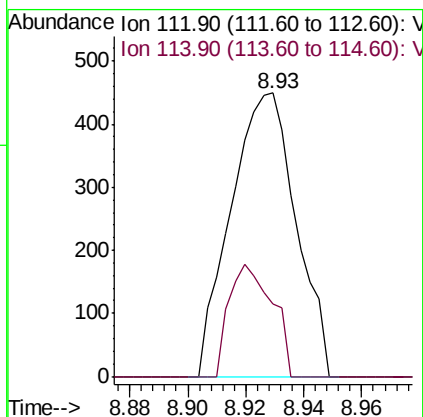
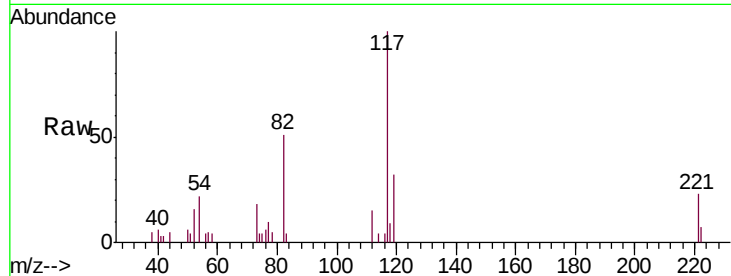




#65
Chlorobenzene
Concen: 0.222 ug/l
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

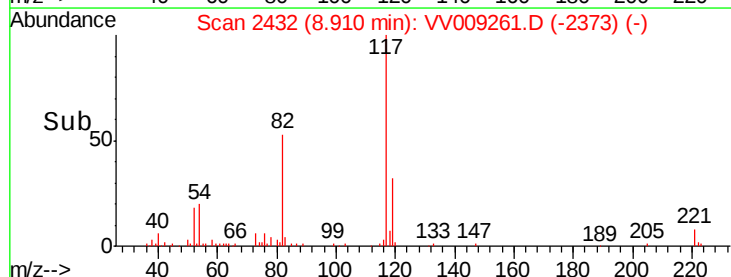
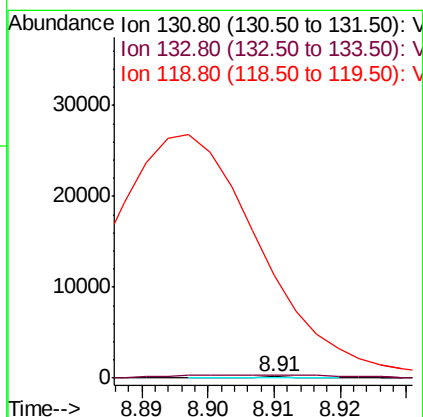
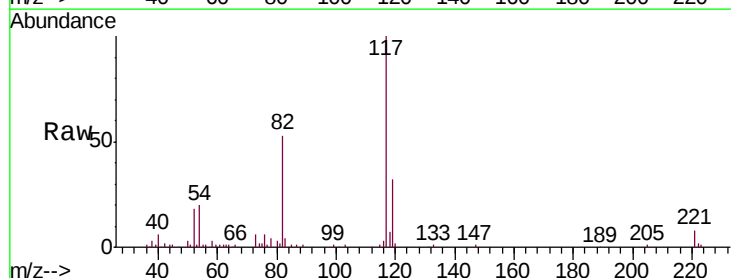
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

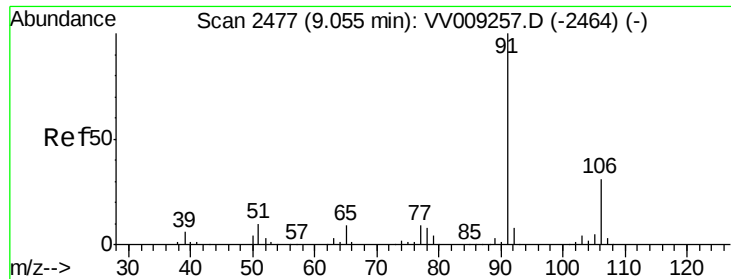
Tgt Ion:112 Resp: 701
Ion Ratio Lower Upper
112 100
114 25.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.081 ug/l
RT: 8.91 min Scan# 2432
Delta R.T. -0.11 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion:131 Resp: 86
Ion Ratio Lower Upper
131 100
133 732.6 47.7 143.1#
119 52077.9 32.4 97.2#





#67

Ethyl Benzene

Concen: 0.167 ug/l

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

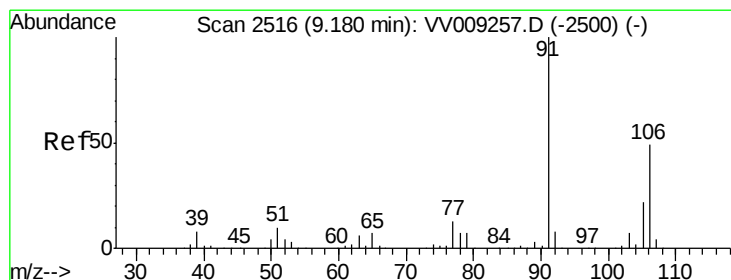
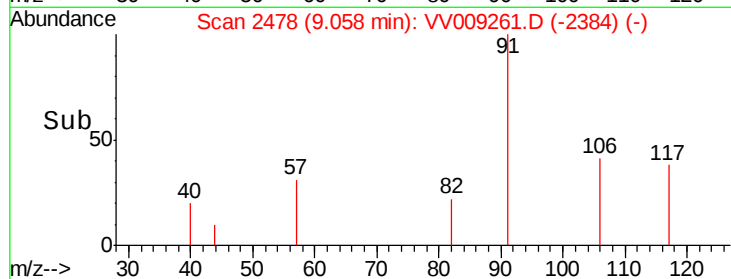
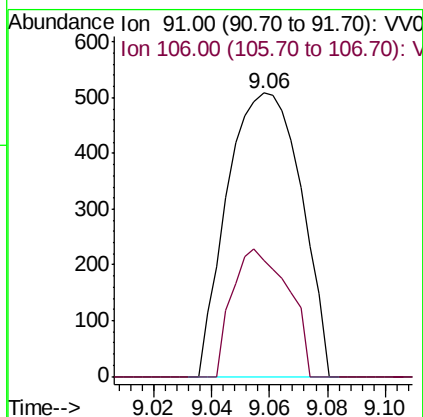
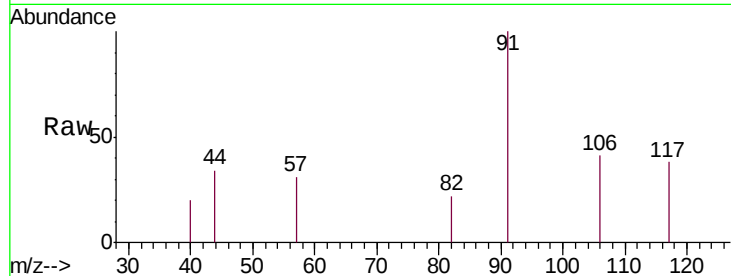
VV0124SBL01

Tgt Ion: 91 Resp: 896

Ion Ratio Lower Upper

91 100

106 41.1 24.6 37.0#



#68

m/p-Xylenes

Concen: 0.385 ug/l

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009261.D

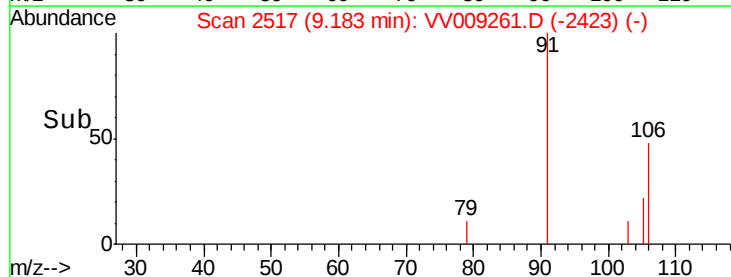
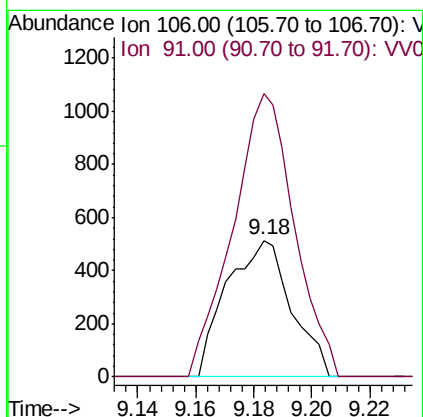
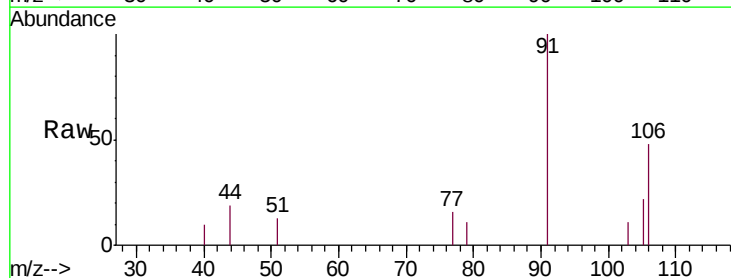
Acq: 24 Jan 2019 15:39

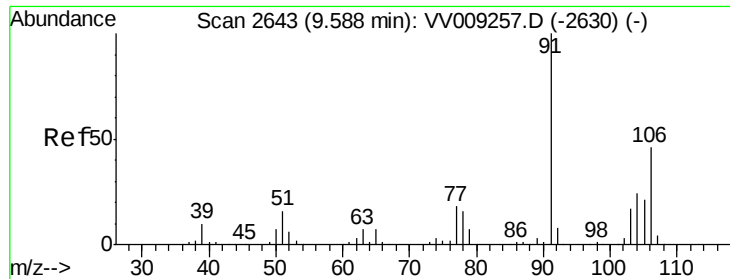
Tgt Ion: 106 Resp: 794

Ion Ratio Lower Upper

106 100

91 198.0 161.9 242.9

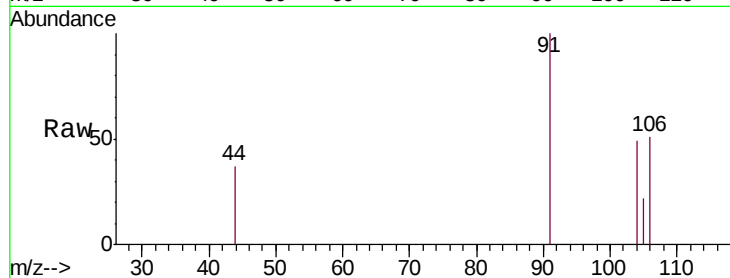




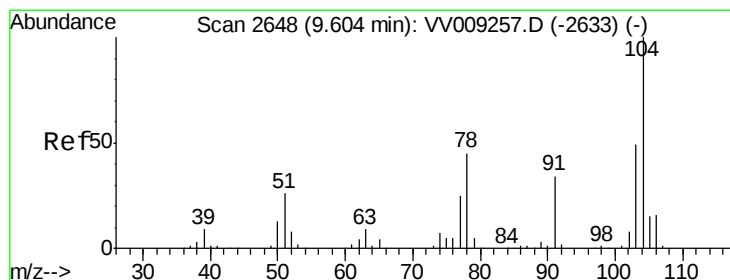
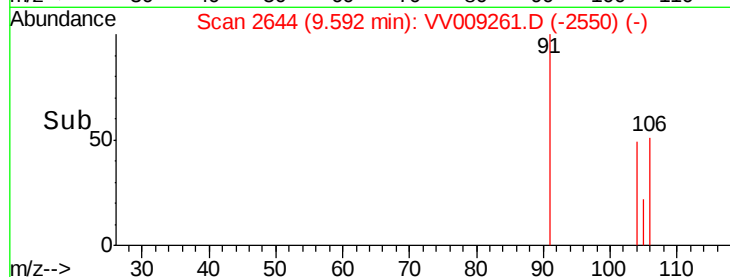
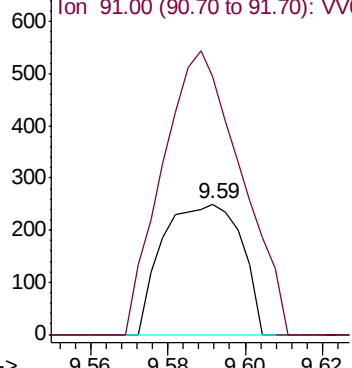
#69
o-Xylene
Concen: 0.183 ug/l
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

Tgt Ion:106 Resp: 352
Ion Ratio Lower Upper
106 100
91 217.3 108.3 324.9

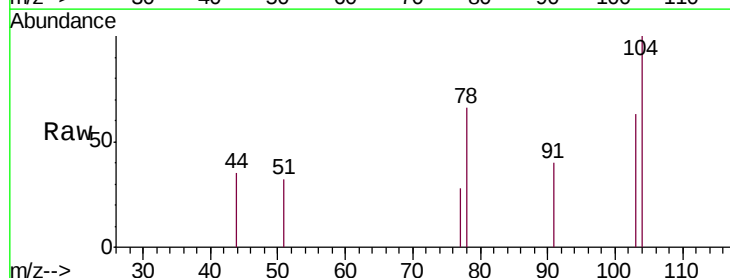


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

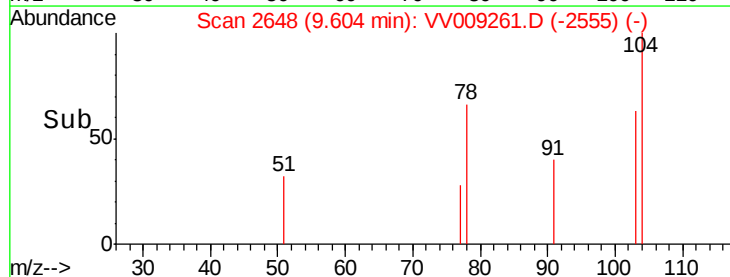
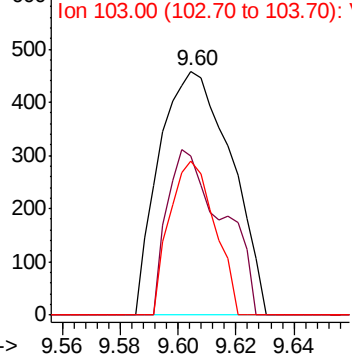


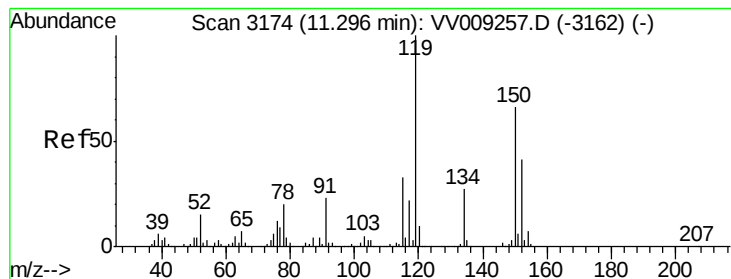
#70
Styrene
Concen: 0.252 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion:104 Resp: 789
Ion Ratio Lower Upper
104 100
78 52.1 40.6 60.8
103 39.5 43.3 64.9#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

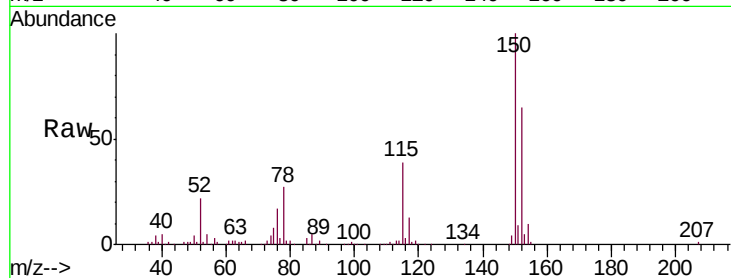
Tgt Ion:152 Resp: 68113

Ion Ratio Lower Upper

152 100

115 60.3 43.0 128.8

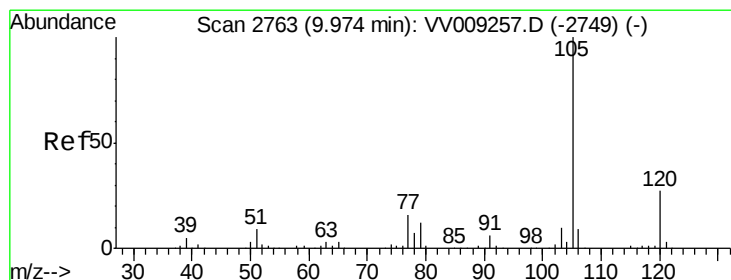
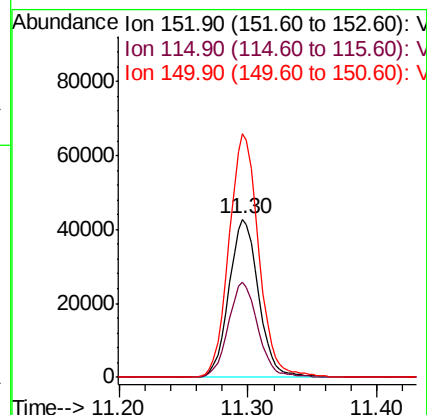
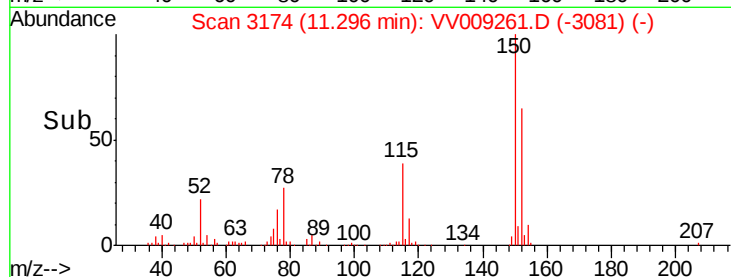
150 155.0 0.0 352.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.215 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009261.D

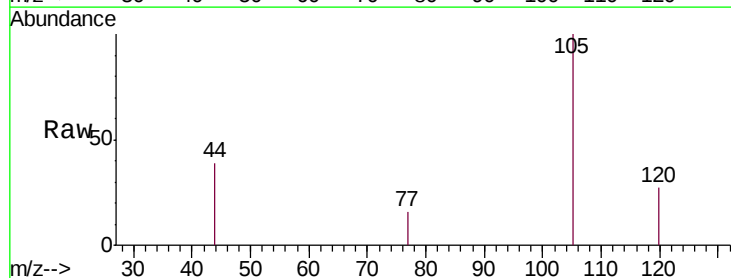
Acq: 24 Jan 2019 15:39

Tgt Ion:105 Resp: 1087

Ion Ratio Lower Upper

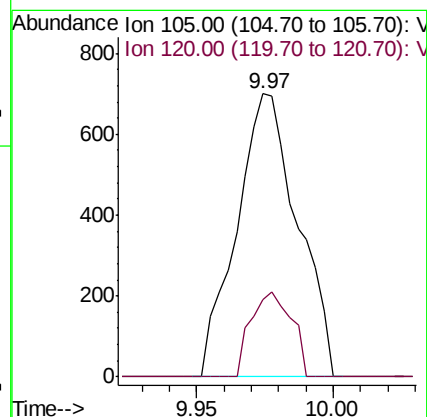
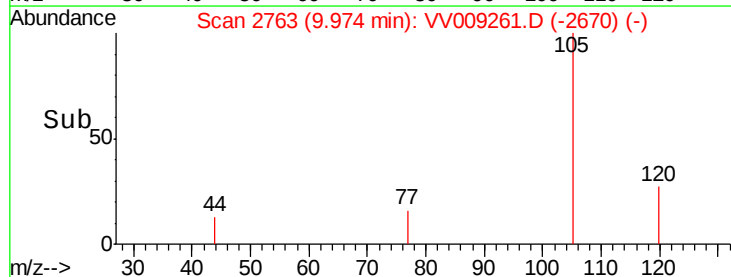
105 100

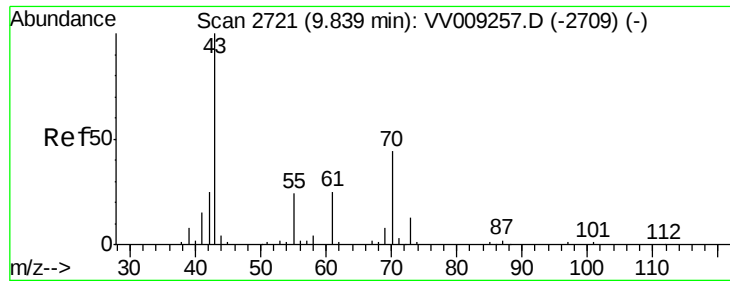
120 19.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.555 ug/l

RT: 9.85 min Scan# 2724

Delta R.T. 0.01 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

Tgt Ion: 43 Resp: 657

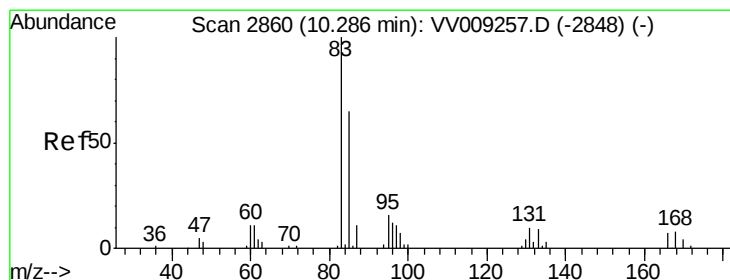
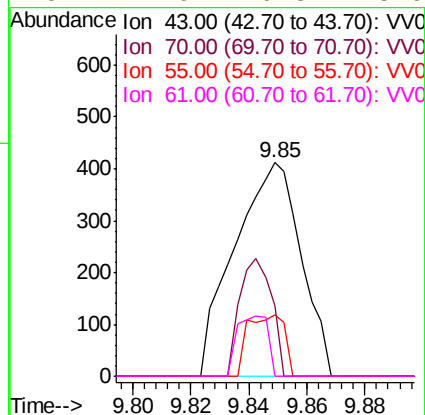
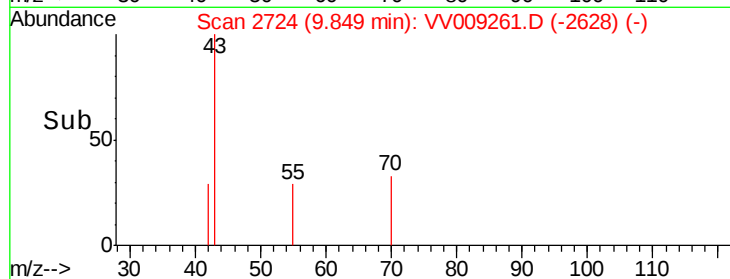
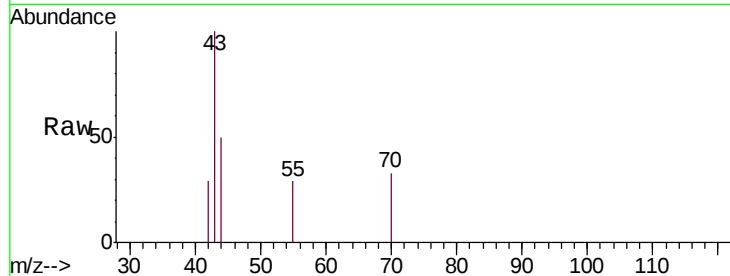
Ion Ratio Lower Upper

43 100

70 26.2 35.4 53.0#

55 16.0 20.4 30.6#

61 12.9 19.3 28.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.062 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

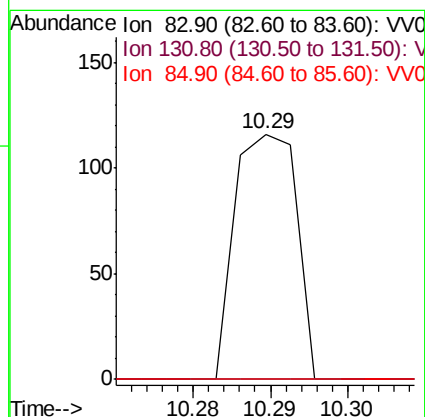
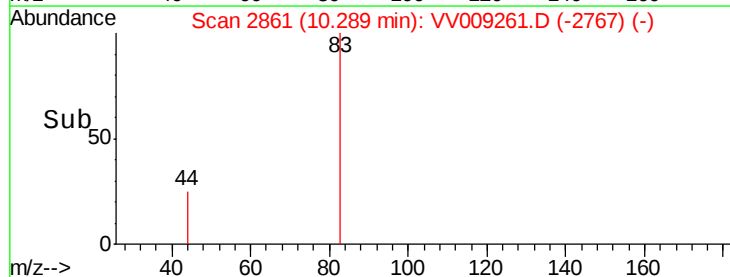
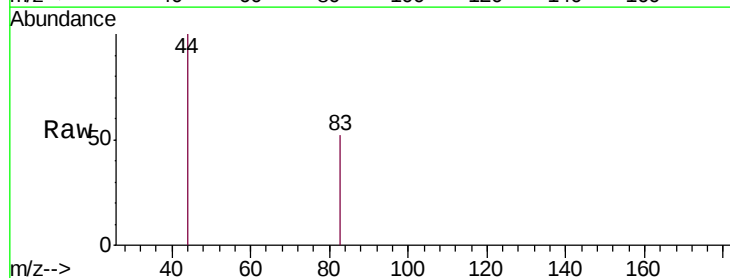
Tgt Ion: 83 Resp: 64

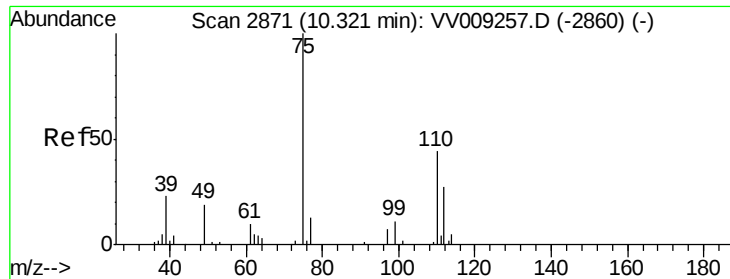
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.4 97.2#

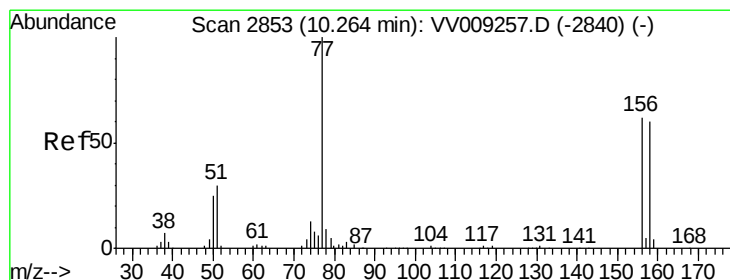
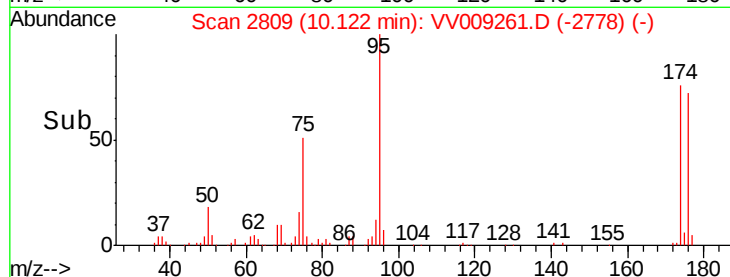
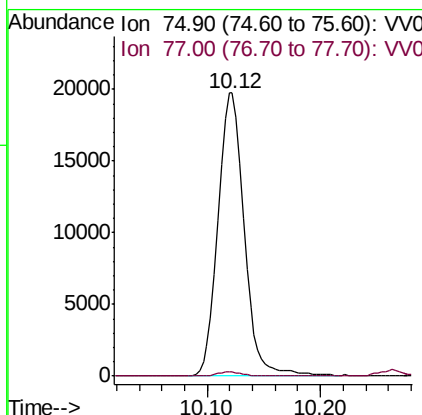
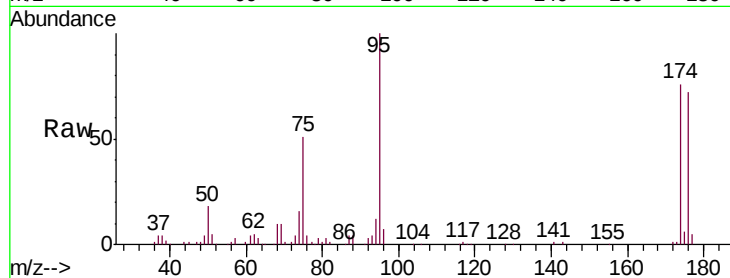




#76
 1,2,3-Trichloropropane
 Concen: 39.814 ug/l
 RT: 10.12 min Scan# 2809
 Delta R.T. -0.20 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

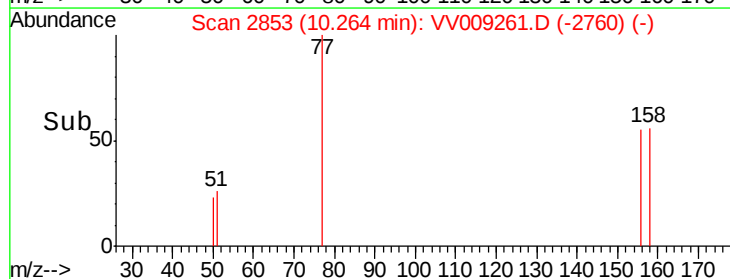
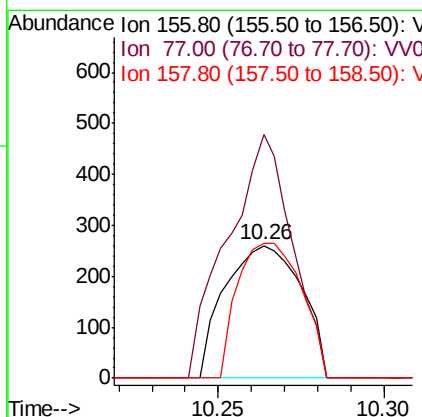
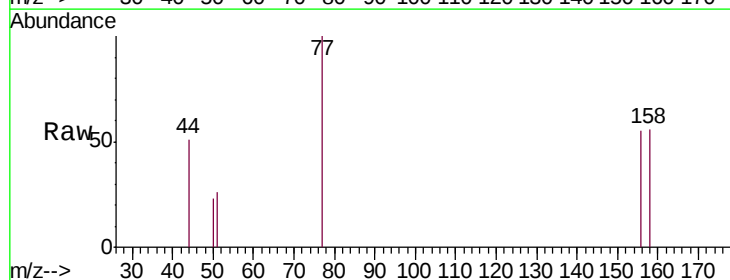
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

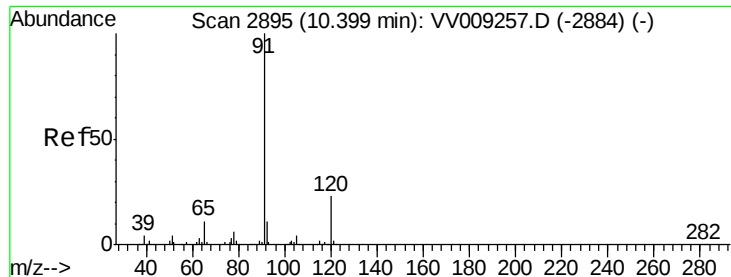
Tgt Ion: 75 Resp: 32011
 Ion Ratio Lower Upper
 75 100
 77 1.2 6.2 18.4#



#77
 Bromobenzene
 Concen: 0.356 ug/l
 RT: 10.26 min Scan# 2853
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion: 156 Resp: 420
 Ion Ratio Lower Upper
 156 100
 77 154.0 81.7 244.9
 158 85.0 48.4 145.0





#78

n-propylbenzene

Concen: 0.370 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

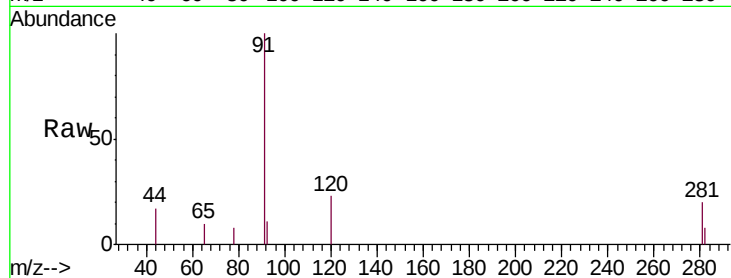
VV0124SBL01

Tgt Ion: 91 Resp: 2217

Ion Ratio Lower Upper

91 100

120 21.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VV009257.D (-2884) (-)

Ion 120.00 (119.70 to 120.70): VV009257.D (-2884) (-)

10.40

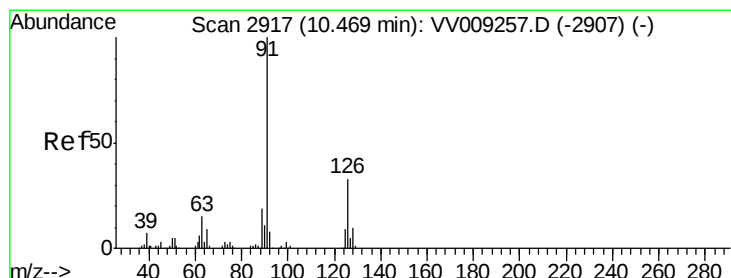
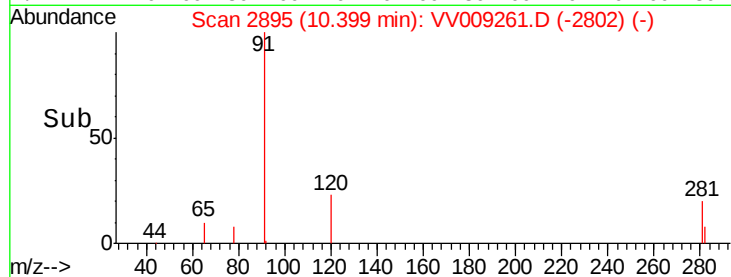
1500

1000

500

0

Time-->



#79

2-Chlorotoluene

Concen: 0.352 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VV009261.D

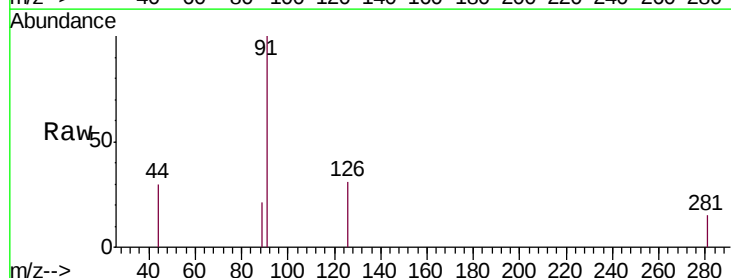
Acq: 24 Jan 2019 15:39

Tgt Ion: 91 Resp: 1270

Ion Ratio Lower Upper

91 100

126 19.8 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VV009257.D (-2907) (-)

Ion 125.90 (125.60 to 126.60): VV009257.D (-2907) (-)

10.47

1200

1000

800

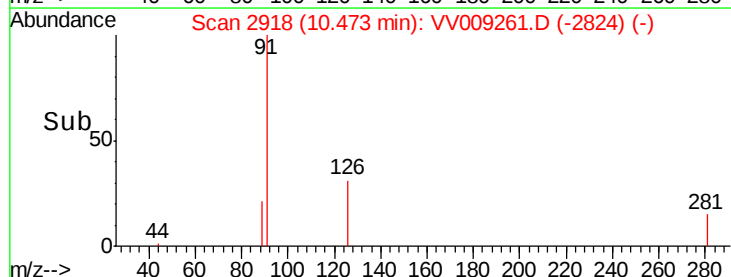
600

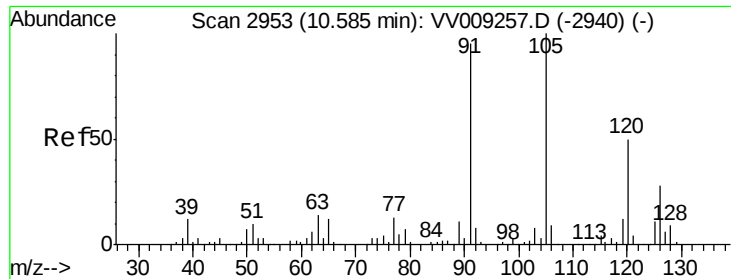
400

200

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.281 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

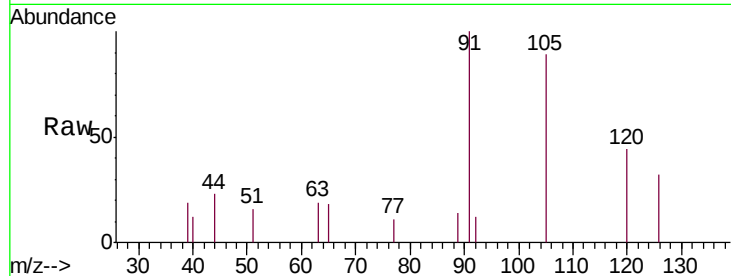
VV0124SBL01

Tgt Ion:105 Resp: 1194

Ion Ratio Lower Upper

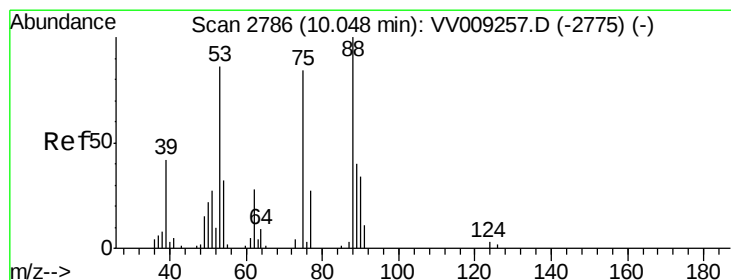
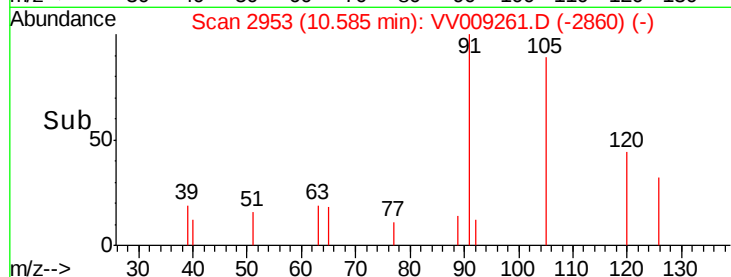
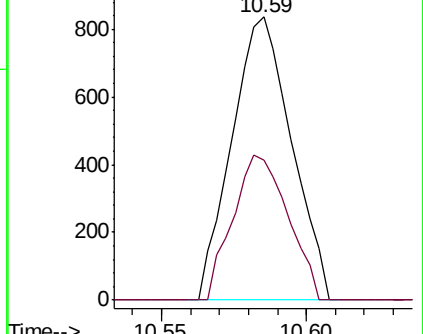
105 100

120 47.3 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 113.093 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.07 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

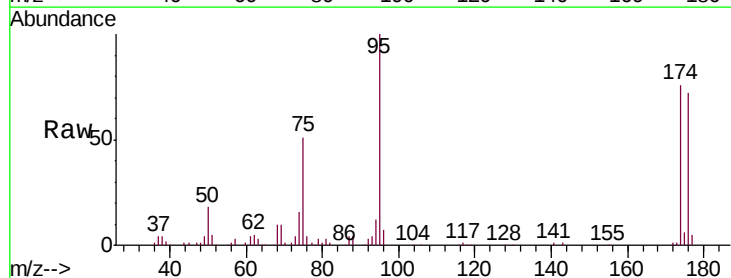
Tgt Ion: 75 Resp: 32011

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

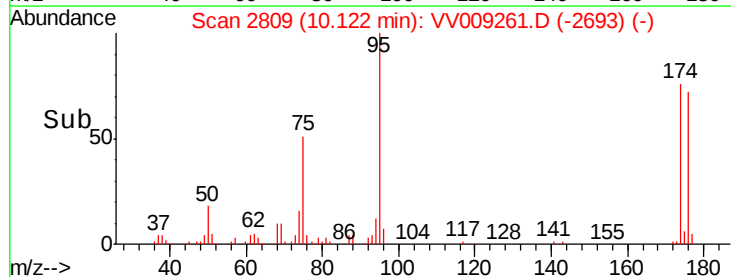
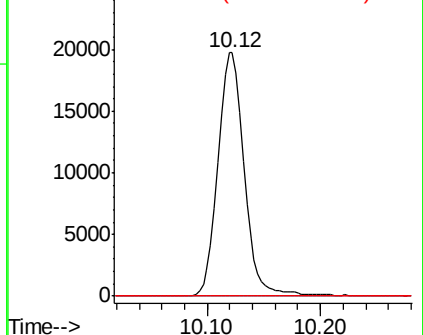
89 0.0 36.8 55.2#

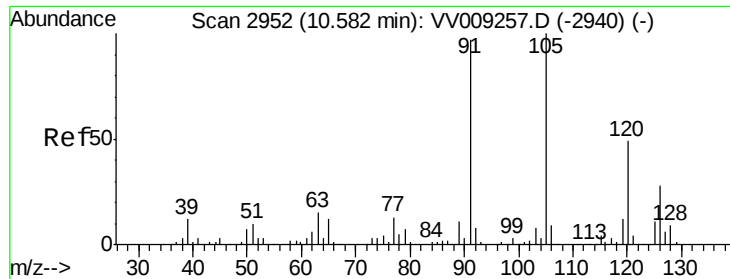


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 53.00 (52.70 to 53.70): VV0

Ion 88.90 (88.60 to 89.60): VV0

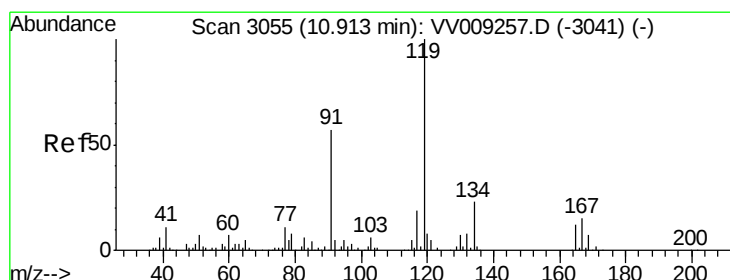
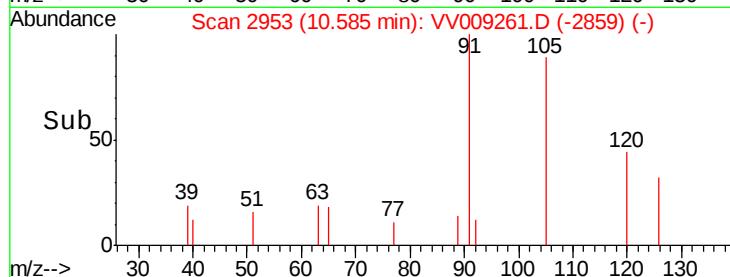
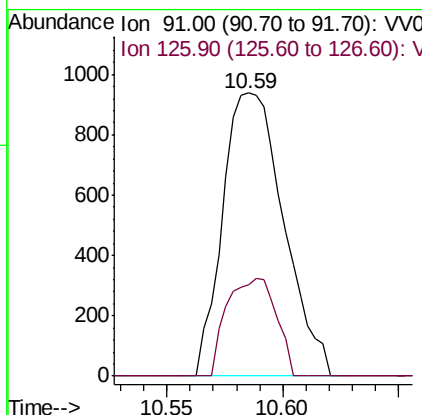
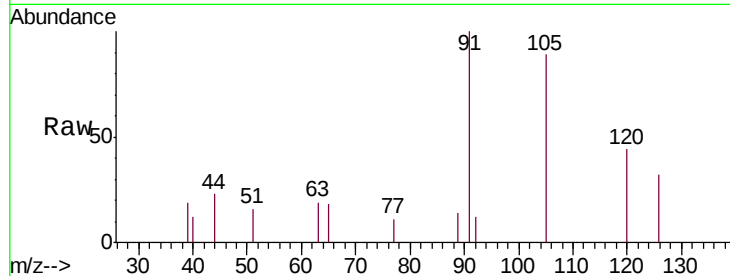




#82
4-Chlorotoluene
Concen: 0.402 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

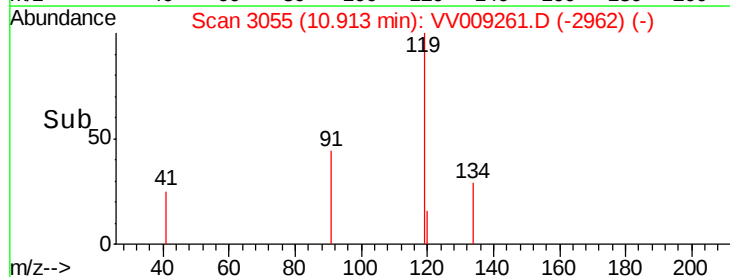
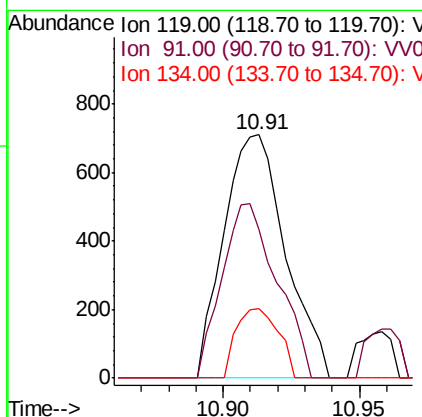
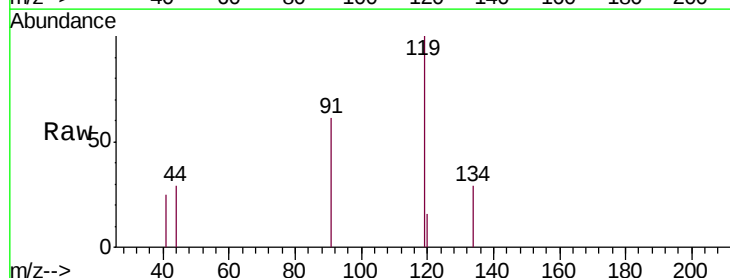
Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

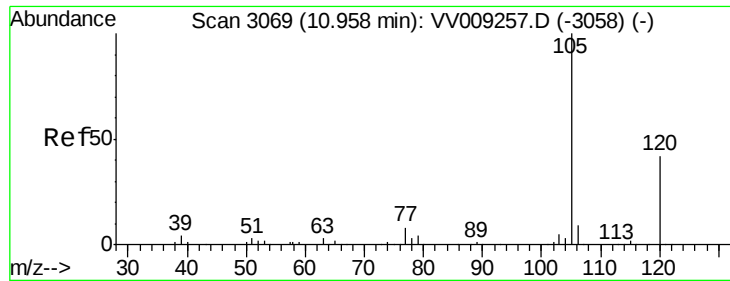
Tgt Ion: 91 Resp: 1717
Ion Ratio Lower Upper
91 100
126 27.8 14.6 44.0



#83
tert-Butylbenzene
Concen: 0.271 ug/l
RT: 10.91 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion: 119 Resp: 1115
Ion Ratio Lower Upper
119 100
91 64.2 28.6 85.8
134 19.5 11.9 35.5

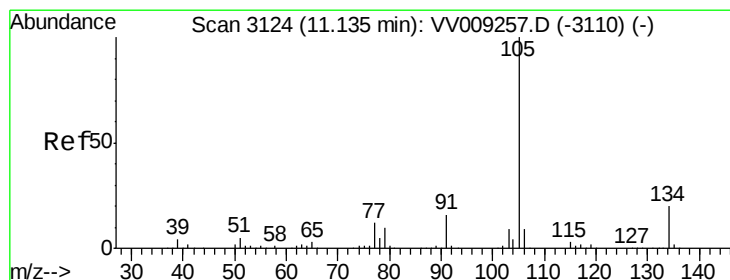
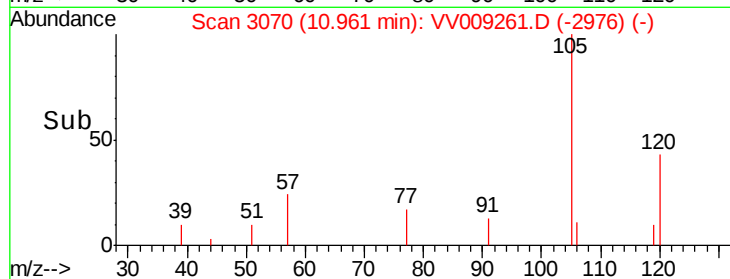
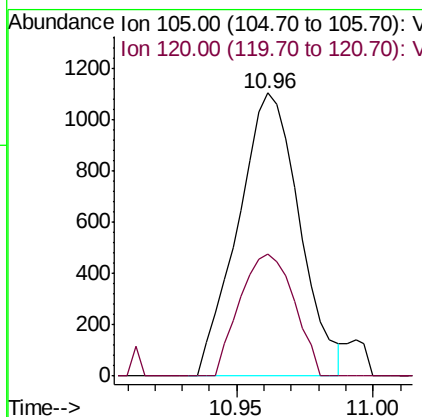
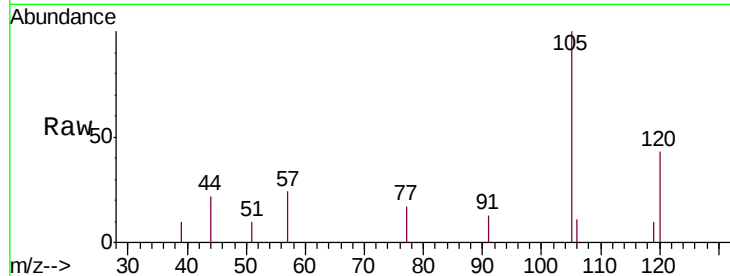




#84
 1,2,4-Trimethylbenzene
 Concen: 0.396 ug/l
 RT: 10.96 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

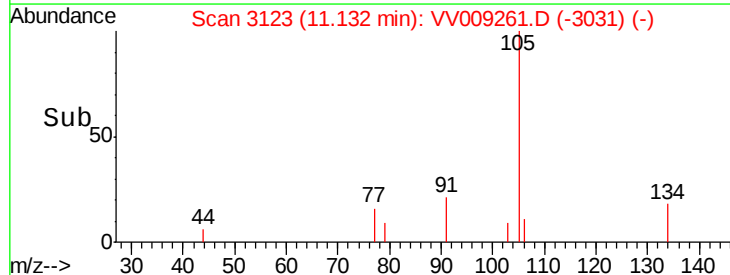
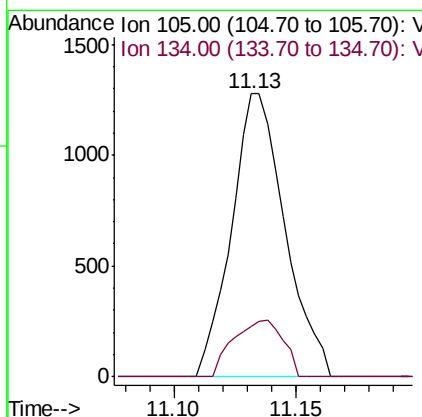
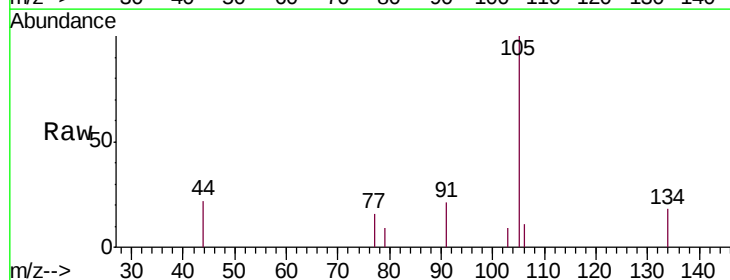
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

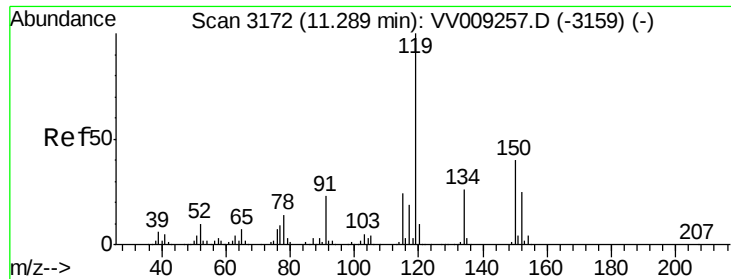
Tgt Ion:105 Resp: 1730
 Ion Ratio Lower Upper
 105 100
 120 38.3 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.362 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion:105 Resp: 1939
 Ion Ratio Lower Upper
 105 100
 134 18.7 10.2 30.6

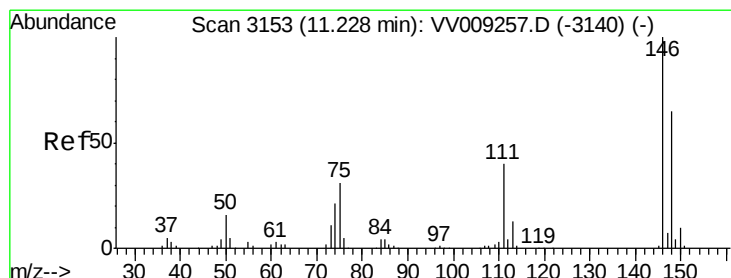
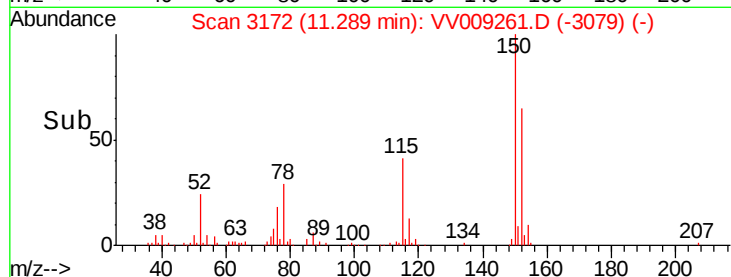
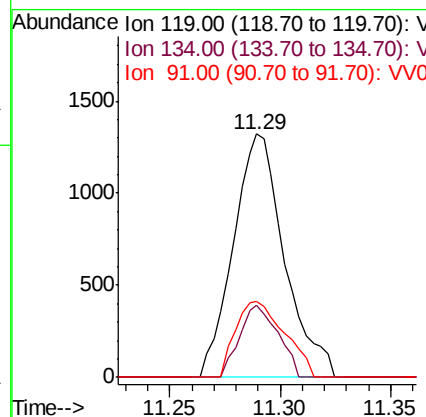
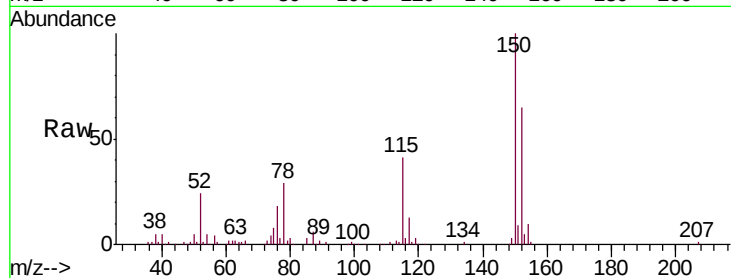




#86
 p-Isopropyltoluene
 Concen: 0.448 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

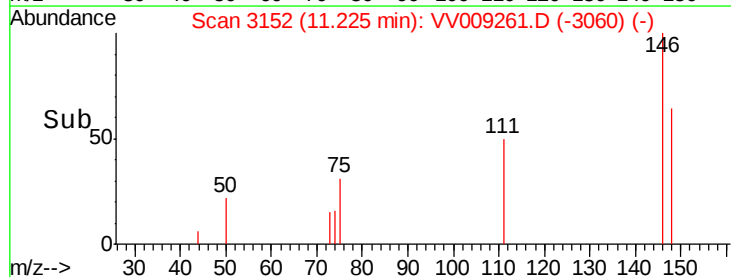
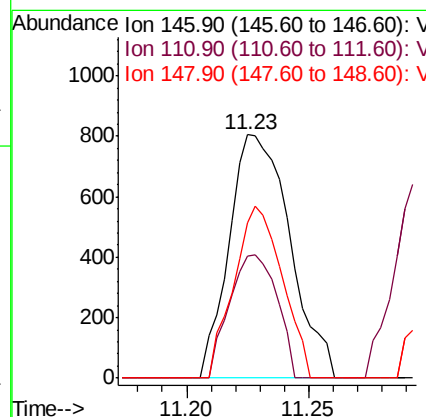
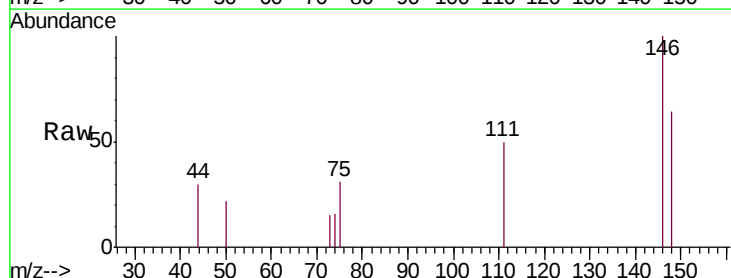
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

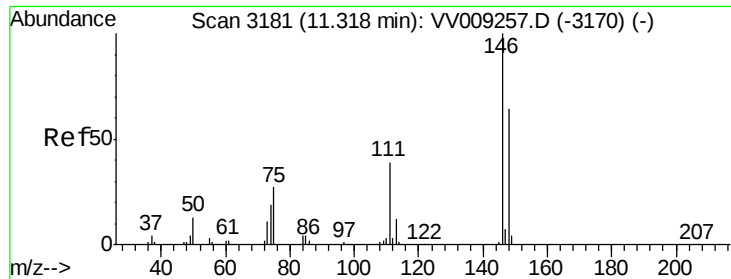
Tgt Ion:119 Resp: 2118
 Ion Ratio Lower Upper
 119 100
 134 22.4 13.2 39.5
 91 29.8 11.9 35.7



#87
 1,3-Dichlorobenzene
 Concen: 0.583 ug/l
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion:146 Resp: 1394
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.2 60.5
 148 56.2 31.8 95.3

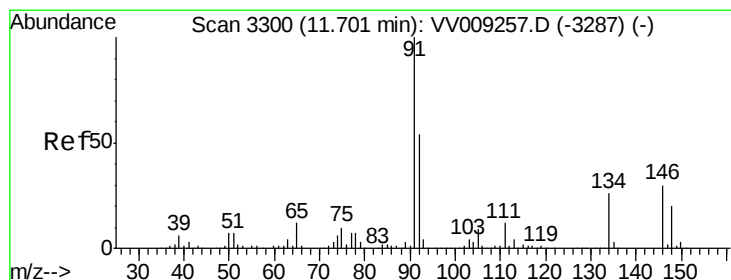
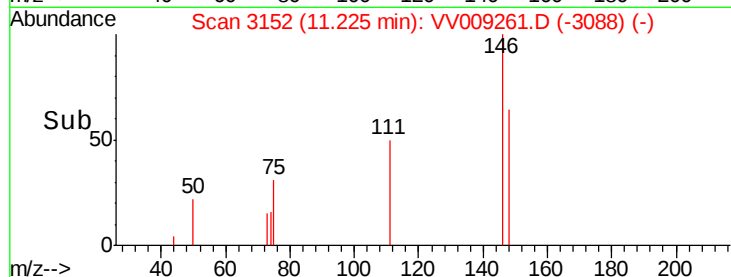
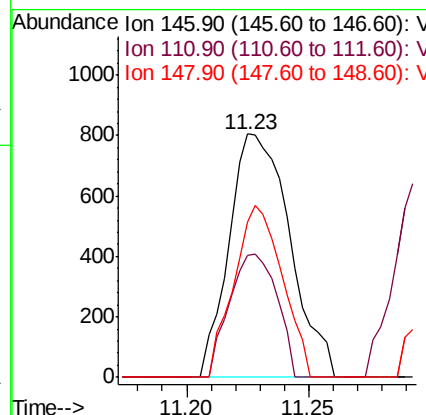
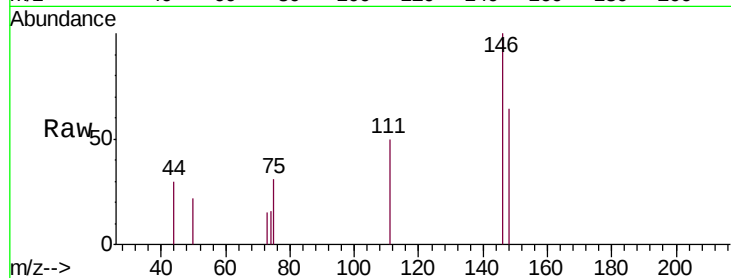




#88
 1,4-Dichlorobenzene
 Concen: 0.571 ug/l
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.09 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

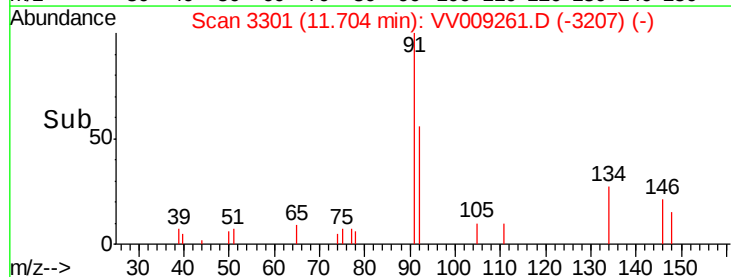
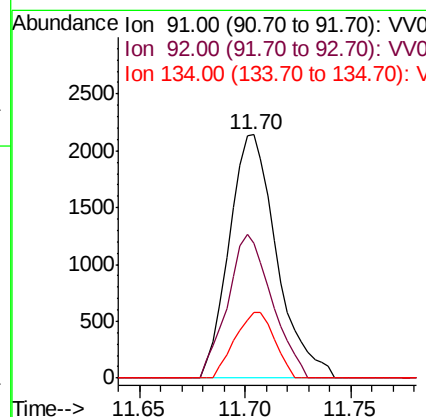
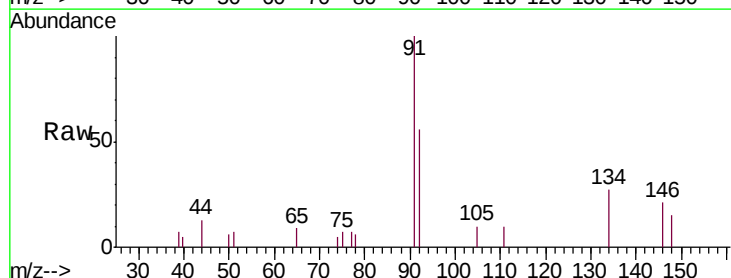
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

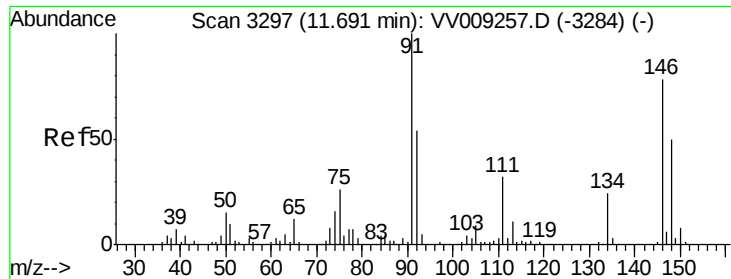
Tgt Ion: 146 Resp: 1394
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.3 61.0
 148 56.2 31.6 94.8



#89
 n-Butylbenzene
 Concen: 0.732 ug/l
 RT: 11.70 min Scan# 3301
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion: 91 Resp: 3347
 Ion Ratio Lower Upper
 91 100
 92 54.9 27.1 81.2
 134 22.3 13.1 39.3





#91

1,2-Dichlorobenzene

Concen: 0.566 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBL01

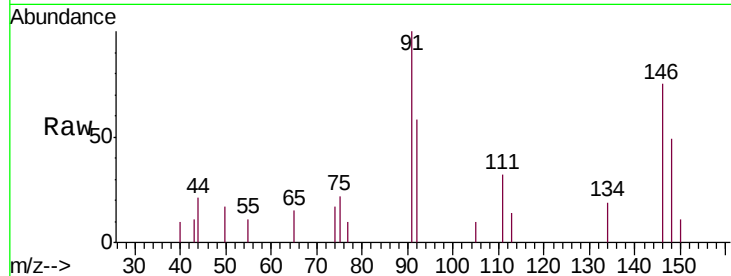
Tgt Ion:146 Resp: 1214

Ion Ratio Lower Upper

146 100

111 40.3 20.9 62.7

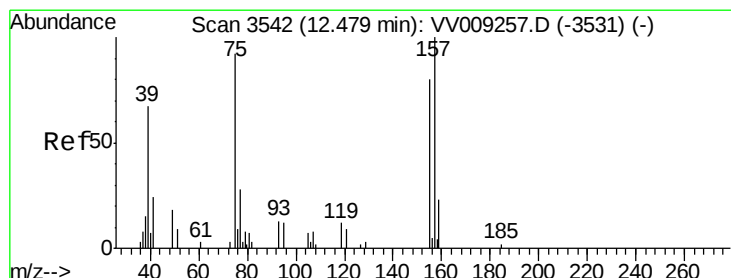
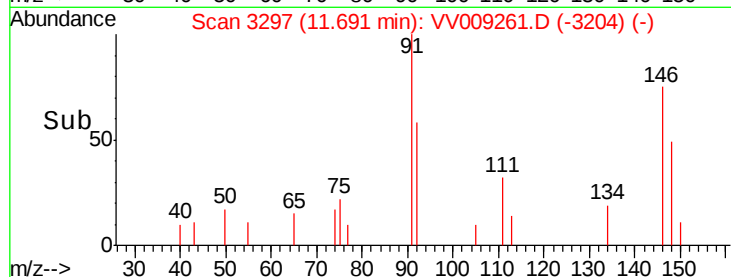
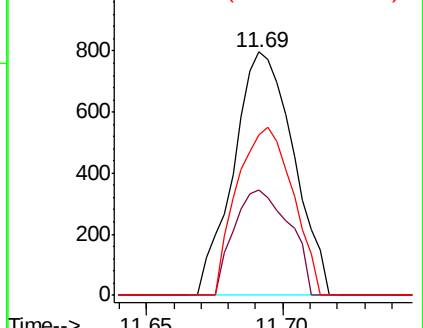
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.513 ug/l

RT: 12.31 min Scan# 3488

Delta R.T. -0.17 min

Lab File: VV009261.D

Acq: 24 Jan 2019 15:39

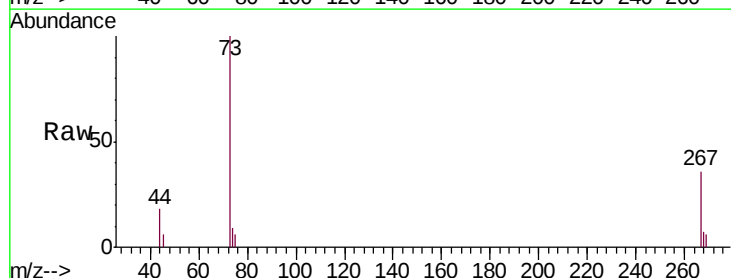
Tgt Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

155 0.0 41.1 123.4#

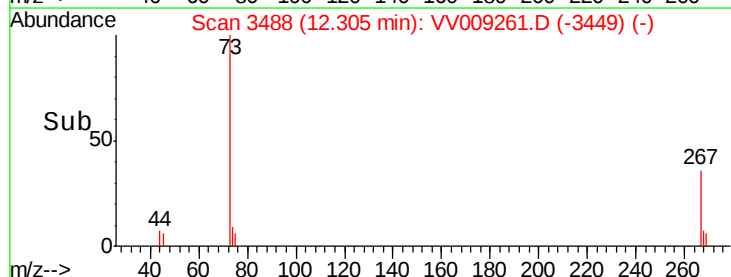
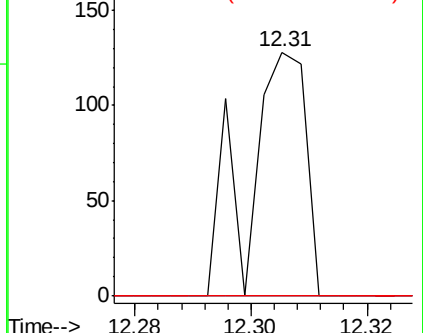
157 0.0 53.2 159.6#

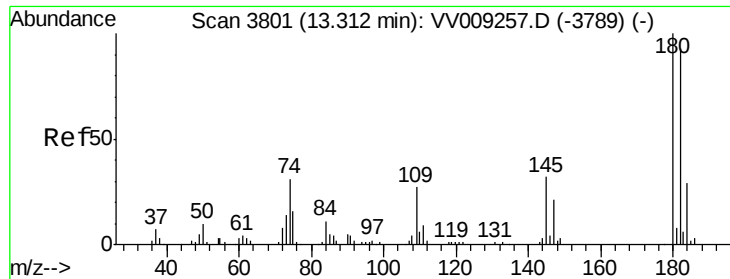


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

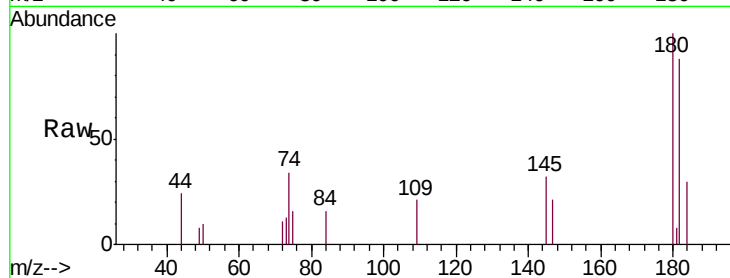




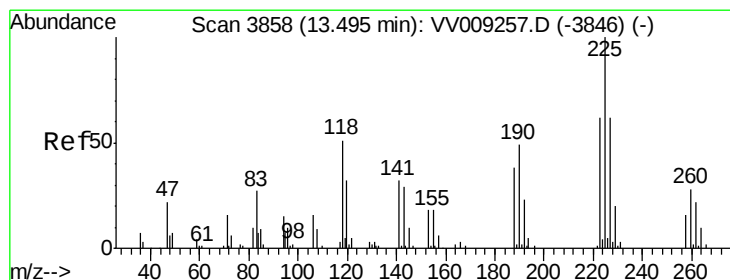
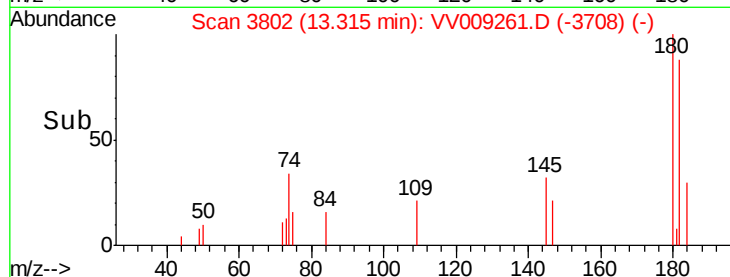
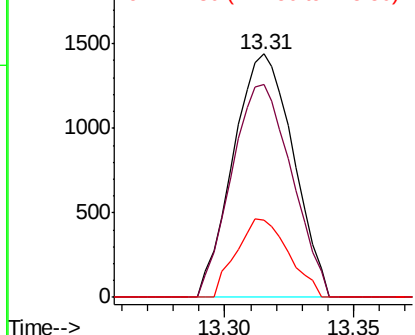
#93
 1,2,4-Trichlorobenzene
 Concen: 1.555 ug/l
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBL01

Tgt Ion:180 Resp: 2337
 Ion Ratio Lower Upper
 180 100
 182 87.7 47.1 141.4
 145 28.1 15.8 47.4

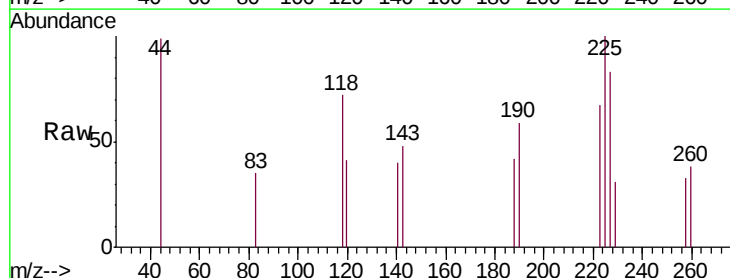


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

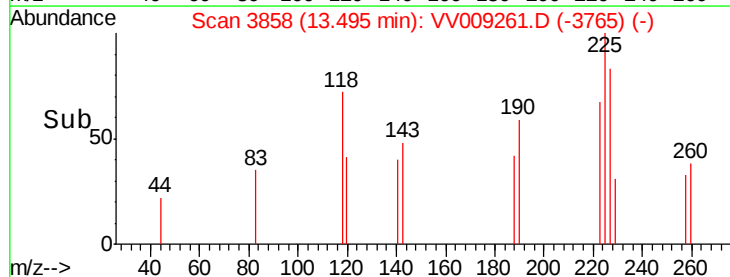
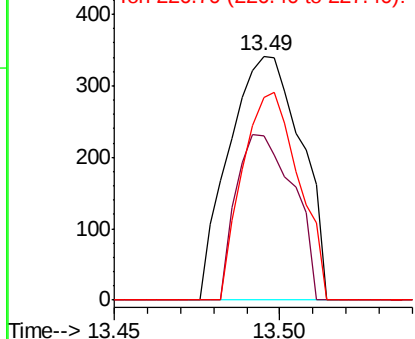


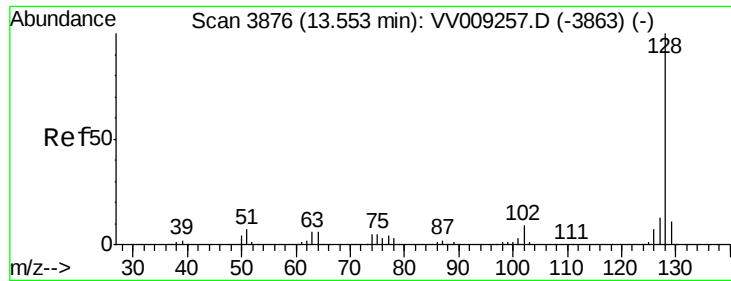
#94
 Hexachlorobutadiene
 Concen: 0.603 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009261.D
 Acq: 24 Jan 2019 15:39

Tgt Ion:225 Resp: 518
 Ion Ratio Lower Upper
 225 100
 223 53.7 31.3 93.9
 227 66.4 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

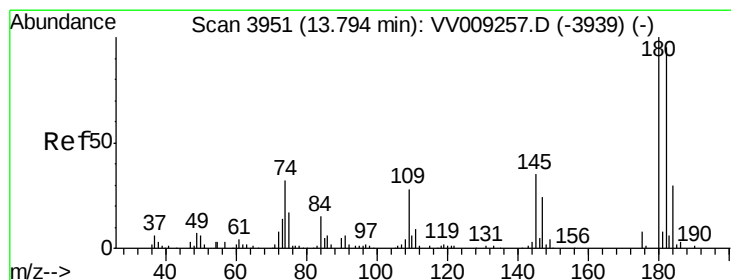
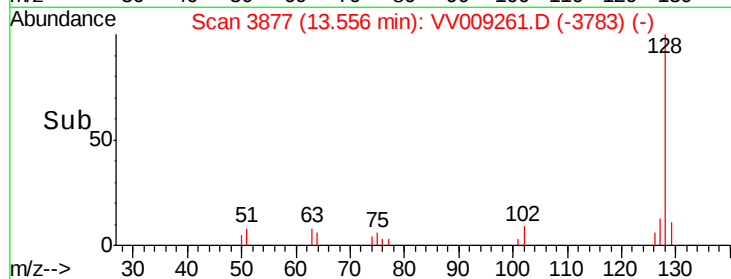
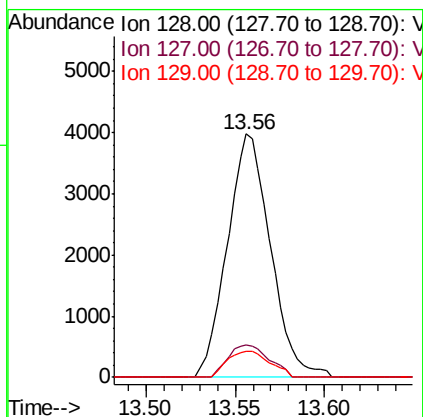
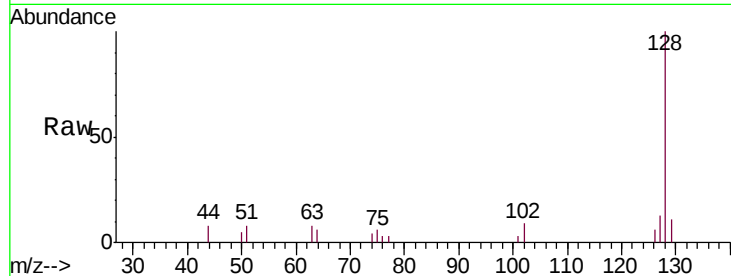




#95
Naphthalene
Concen: 2.220 ug/l
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBL01

Tgt Ion:128 Resp: 6684
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.480 ug/l
RT: 13.80 min Scan# 3953
Delta R.T. 0.01 min
Lab File: VV009261.D
Acq: 24 Jan 2019 15:39

Tgt Ion:180 Resp: 1962
Ion Ratio Lower Upper
180 100
182 103.9 47.5 142.6
145 40.1 17.2 51.6

