

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031291.D
 Acq On : 21 Dec 2017 5:14
 Operator : SY/AP
 Sample : I7005-10
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-9

Quant Time: Dec 21 08:44:49 2017

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017

QLast Update : Thu Dec 14 04:29:58 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.92	49	1404806	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	3386566	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3237794	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2550255	11.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	148990	1.26	ppbv	94
3) Chlorodifluoromethane	3.11	51	145832	0.91	ppbv	99
4) Chloromethane	3.27	50	21895	0.25	ppbv	97
9) Propene	3.14	41	2204689	28.12	ppbv	98
10) Heptane	8.41	43	450694	1.89	ppbv	99
11) Trichlorofluoromethane	4.13	101	524586	2.69	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.69	101	10802	0.08	ppbv	98
13) Ethanol	3.77	45	324850	14.37	ppbv	98
15) Acetone	4.02	43	5096825	27.49	ppbv #	56
16) 1,3-Butadiene	3.46	39	3028435	37.97	ppbv #	16
17) tert-Butyl alcohol	4.50	59	249308	2.40	ppbv	96
19) Isopropyl Alcohol	4.16	45	32145	0.27	ppbv #	41
20) Methylene Chloride	4.55	84	222396	3.62	ppbv	95
21) Allyl Chloride	4.57	41	98890	0.91	ppbv #	50
23) Vinyl Acetate	5.28	43	167911	0.56	ppbv #	1
25) Ethyl Acetate	5.93	43	645017	1.70	ppbv #	79
26) Hexane	5.93	57	897067	4.99	ppbv #	38
27) Carbon Disulfide	4.76	76	229722	1.28	ppbv	94
28) Methyl tert-Butyl Ether	5.26	73	9727	0.04	ppbv #	1
29) Chloroform	6.01	83	383547	1.58	ppbv	95
30) Cyclohexane	7.41	84	178263	1.13	ppbv #	54
32) 1,1,1-Trichloroethane	6.78	97	8642	0.03	ppbv #	89
34) 2-Butanone	5.47	43	13434582	56.17	ppbv #	90
35) Carbon Tetrachloride	7.30	117	25196	0.10	ppbv	94
36) Benzene	7.16	78	469867	1.31	ppbv	98
39) 1,2-Dichloropropane	7.46	63	830480	6.54	ppbv #	26
41) Tetrahydrofuran	6.31	42	28444	0.21	ppbv	94
42) Bromodichloromethane	8.09	83	34930	0.15	ppbv #	37
44) 2,2,4-Trimethylpentane	8.16	57	1068099	1.97	ppbv #	86
50) 4-Methyl-2-Pentanone	9.04	43	43887	0.15	ppbv	94
51) 2-Hexanone	10.44	43	1796893	6.43	ppbv #	96
52) Tetrachloroethene	11.55	164	184658	1.39	ppbv	97
53) Toluene	10.12	91	1233392	3.17	ppbv	98
58) Ethyl Benzene	13.03	91	176915	0.33	ppbv	100
59) m/p-Xylene	13.29	91	419804	0.98	ppbv	100
60) o-Xylene	14.02	91	162135	0.38	ppbv	99
61) Styrene	13.86	104	52348	0.42	ppbv	91
62) Isopropylbenzene	15.00	105	31253	0.06	ppbv	99
64) n-propylbenzene	15.89	120	7154	0.05	ppbv #	1
67) sec-Butylbenzene	17.83	105	21474	0.03	ppbv	94
72) 4-Ethyltoluene	16.17	105	22041	0.05	ppbv #	50

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QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

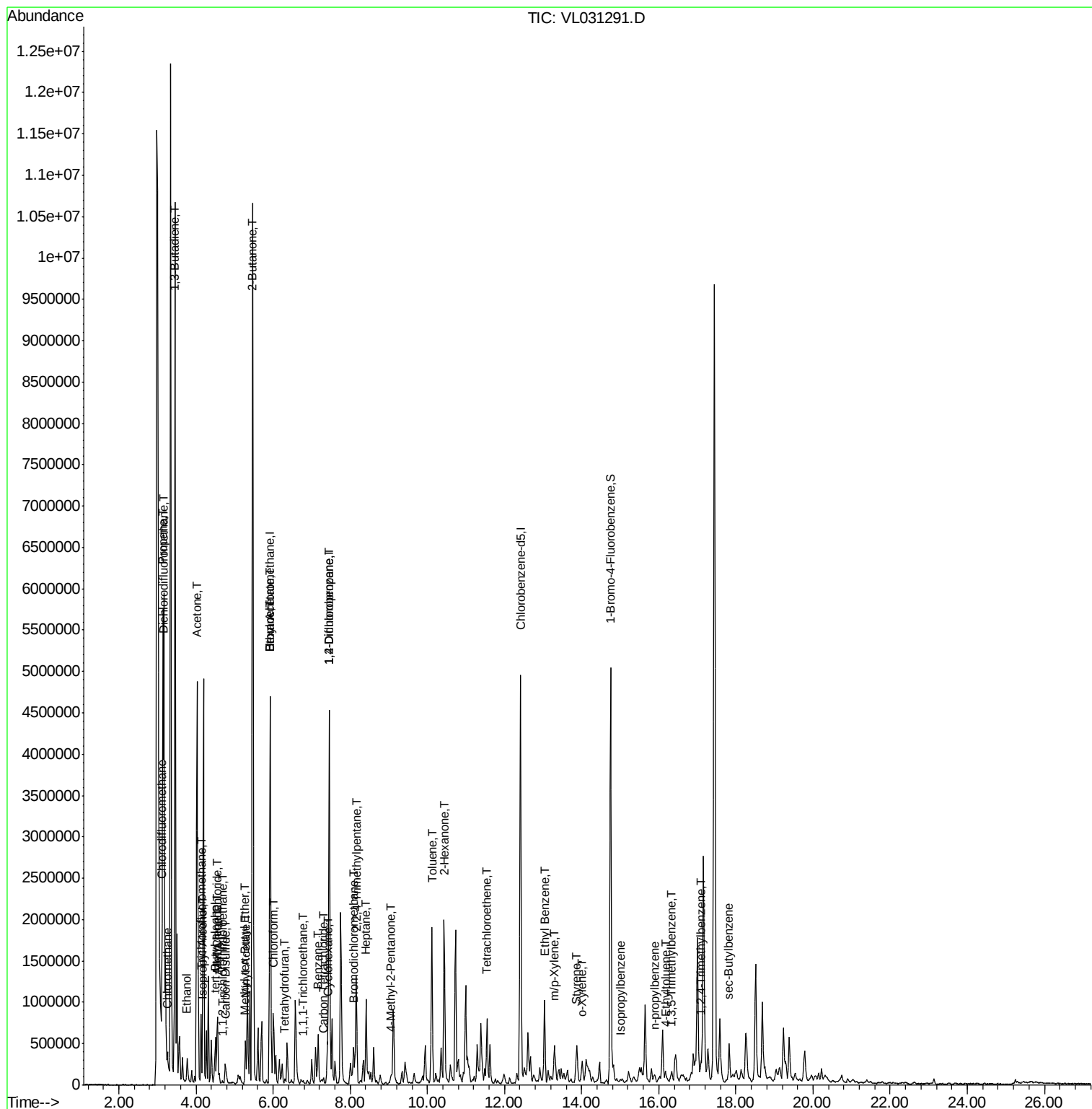
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.33	105	48366	0.12	ppbv	95
74) 1,2,4-Trimethylbenzene	17.09	105	105376	0.24	ppbv #	68

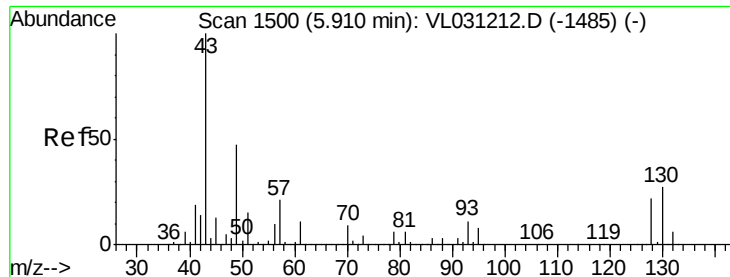
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

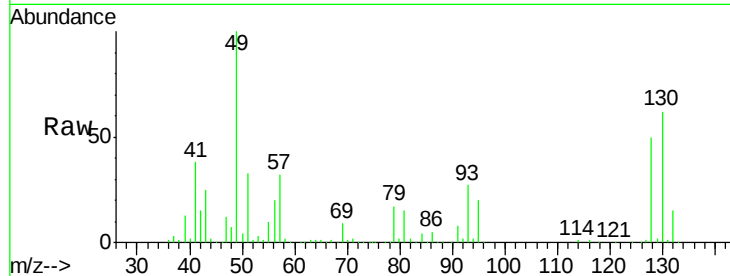
Tgt Ion: 49 Resp: 1404806

Ion Ratio Lower Upper

49 100

128 48.9 23.2 69.5

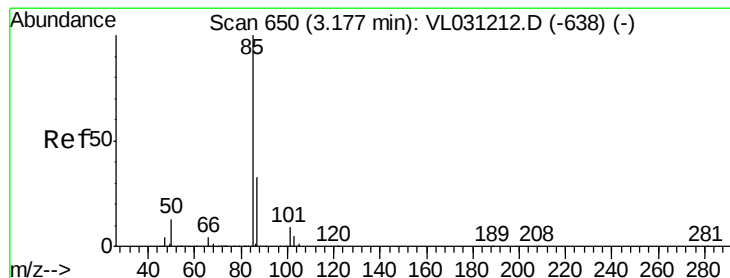
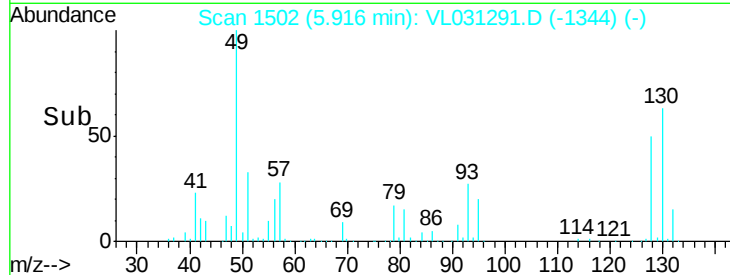
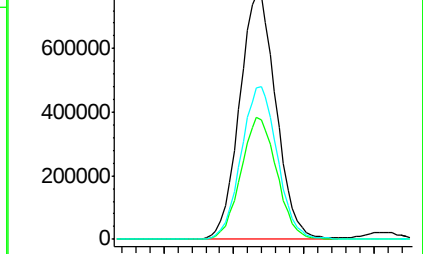
130 61.8 29.6 88.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.26 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031291.D

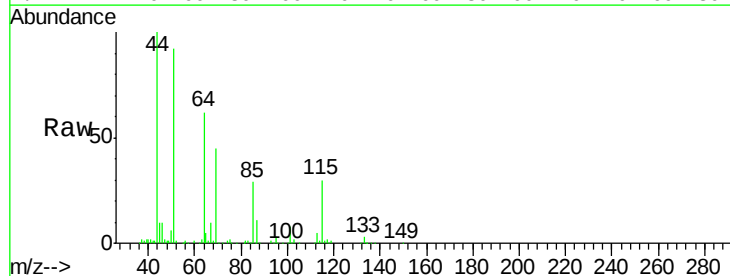
Acq: 21 Dec 2017 5:14

Tgt Ion: 85 Resp: 148990

Ion Ratio Lower Upper

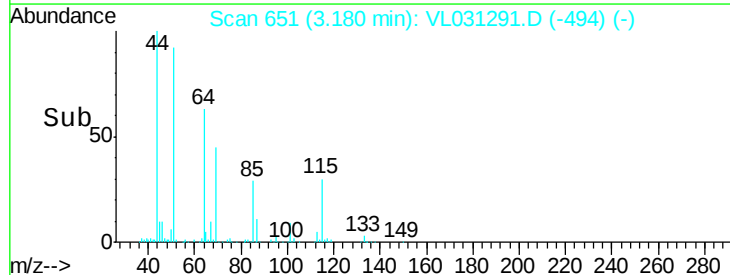
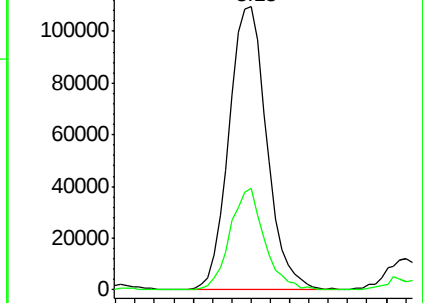
85 100

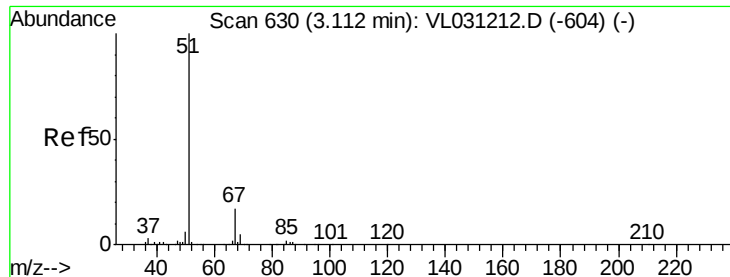
87 36.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.91 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

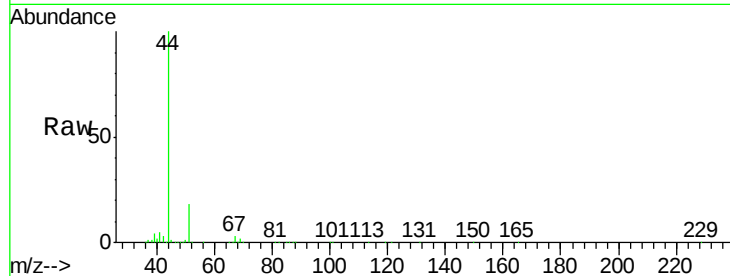
EP1-SV-9

Tgt Ion: 51 Resp: 145832

Ion Ratio Lower Upper

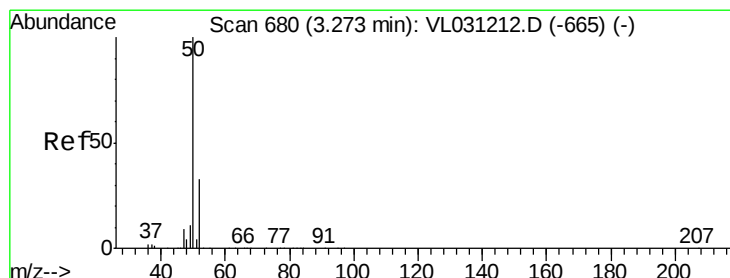
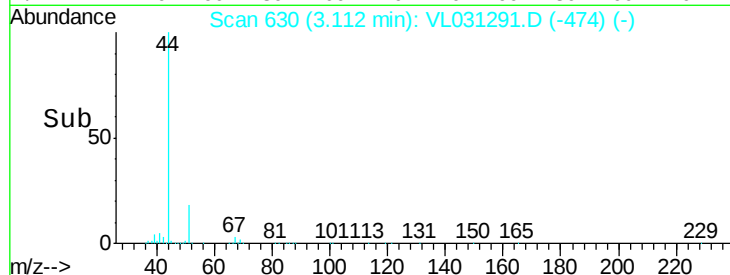
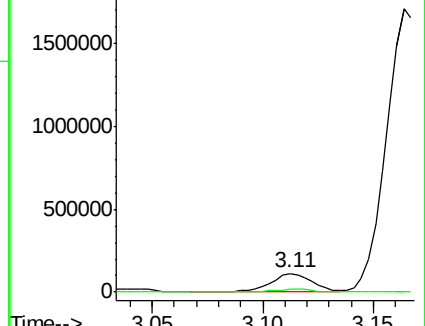
51 100

67 16.9 13.8 20.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.25 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031291.D

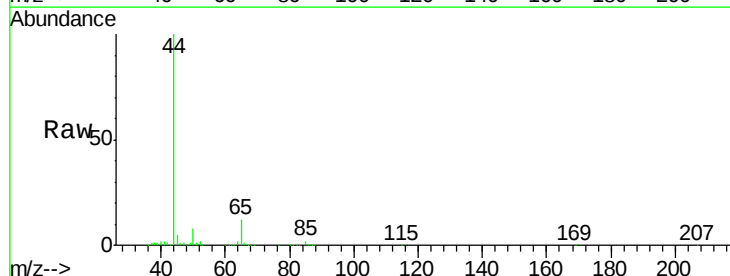
Acq: 21 Dec 2017 5:14

Tgt Ion: 50 Resp: 21895

Ion Ratio Lower Upper

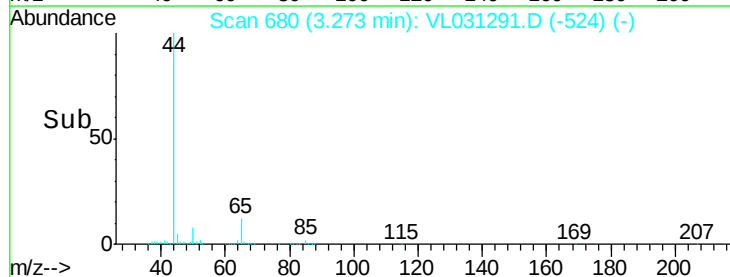
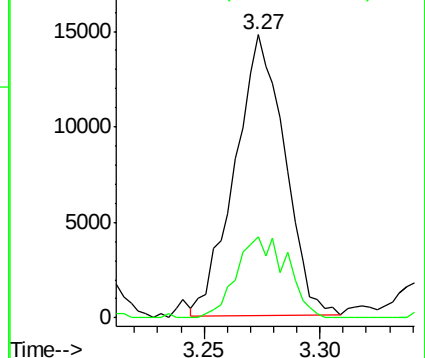
50 100

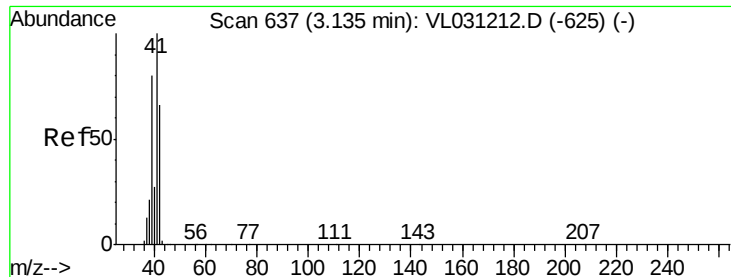
52 31.5 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 28.12 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

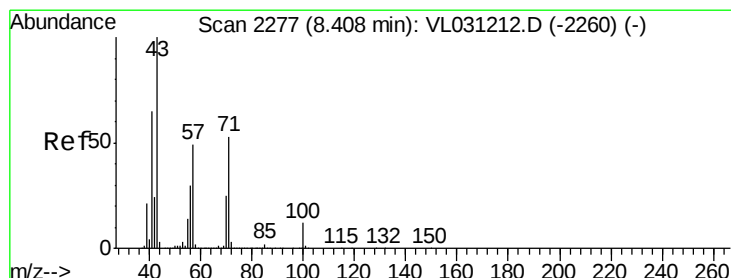
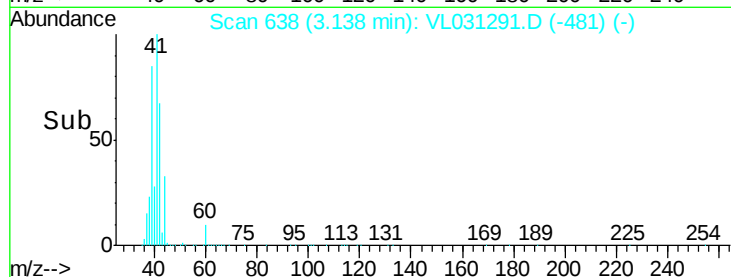
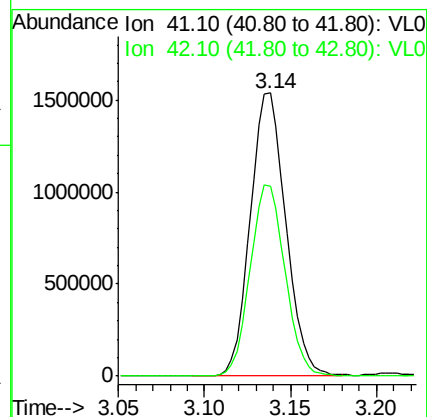
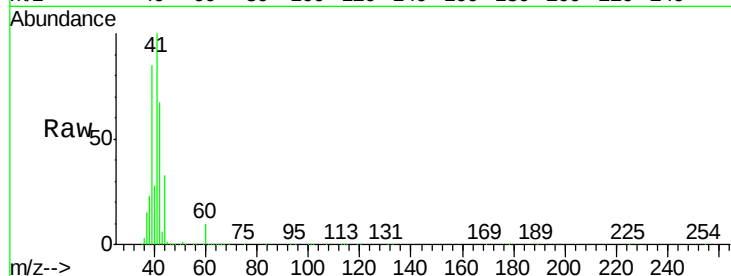
EP1-SV-9

Tgt Ion: 41 Resp: 2204689

Ion Ratio Lower Upper

41 100

42 66.6 54.3 81.5



#10

Heptane

Concen: 1.89 ppbv

RT: 8.41 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VL031291.D

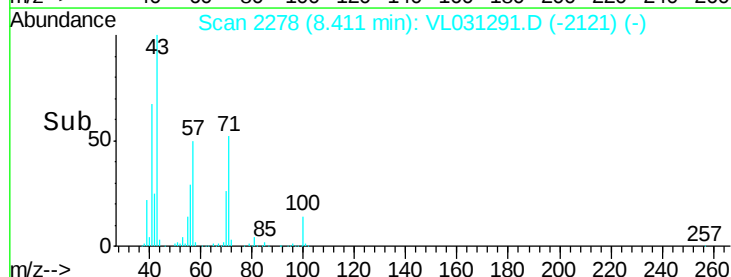
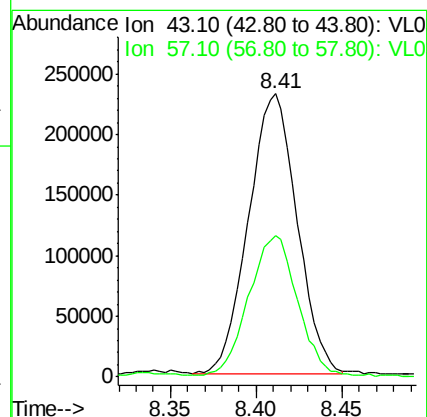
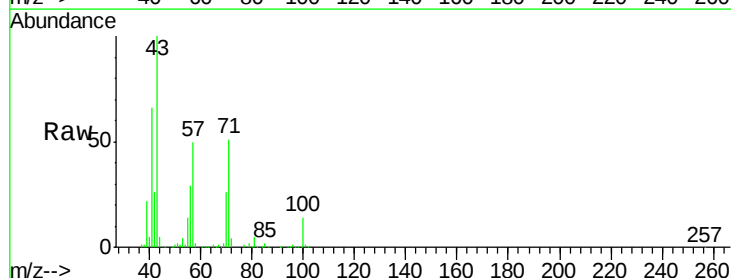
Acq: 21 Dec 2017 5:14

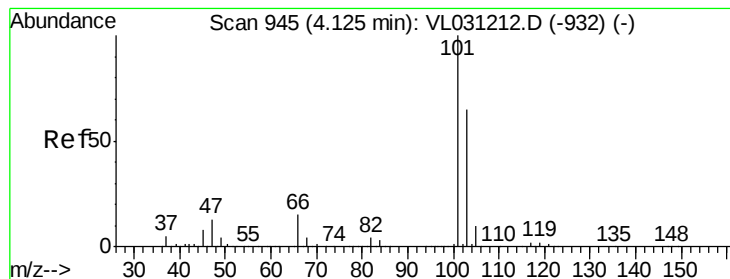
Tgt Ion: 43 Resp: 450694

Ion Ratio Lower Upper

43 100

57 50.8 39.8 59.8





#11

Trichlorofluoromethane

Concen: 2.69 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.01 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

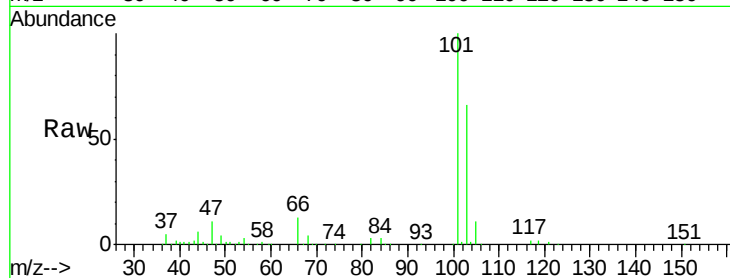
EP1-SV-9

Tgt Ion:101 Resp: 524586

Ion Ratio Lower Upper

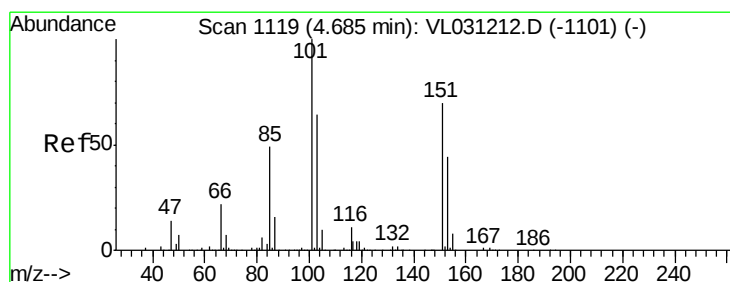
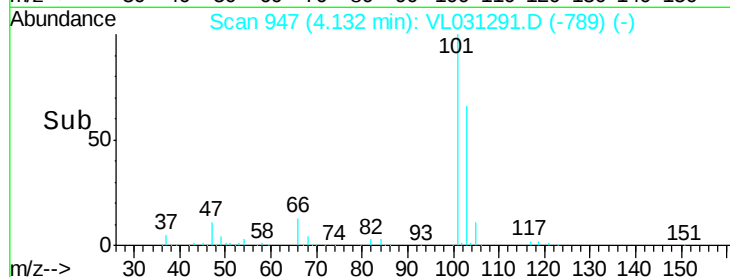
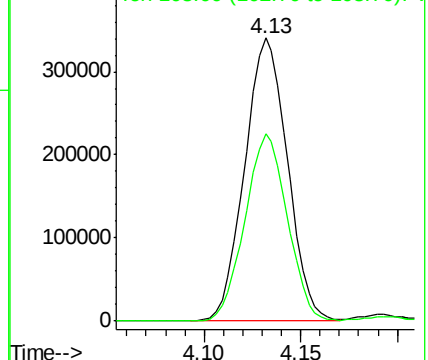
101 100

103 66.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.08 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VL031291.D

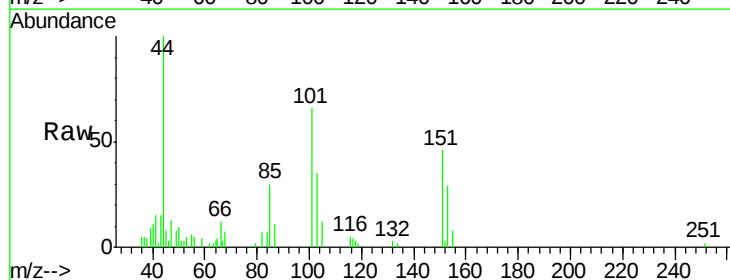
Acq: 21 Dec 2017 5:14

Tgt Ion:101 Resp: 10802

Ion Ratio Lower Upper

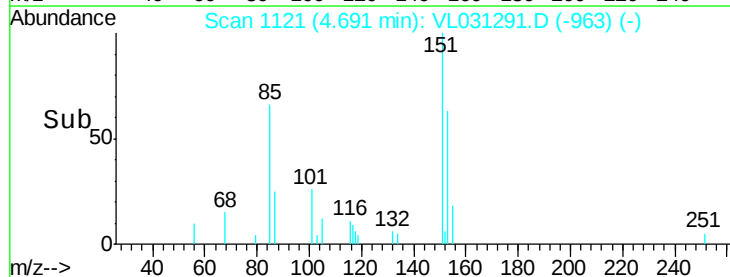
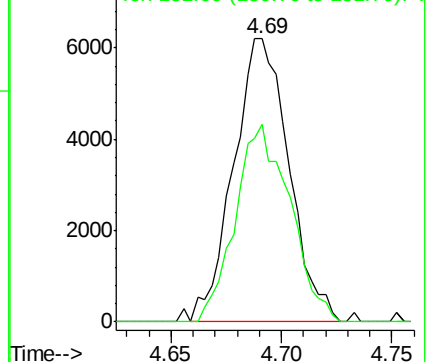
101 100

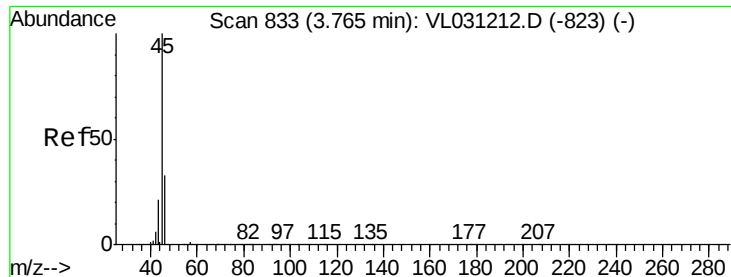
151 68.8 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 14.37 ppbv

RT: 3.77 min Scan# 834

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

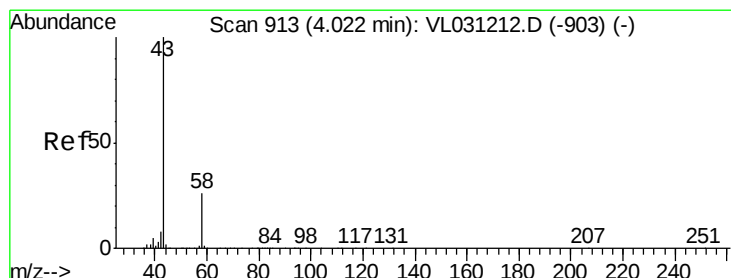
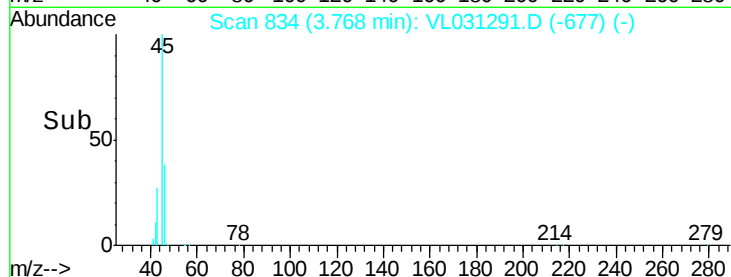
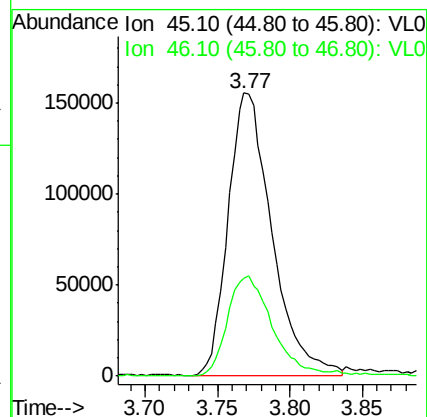
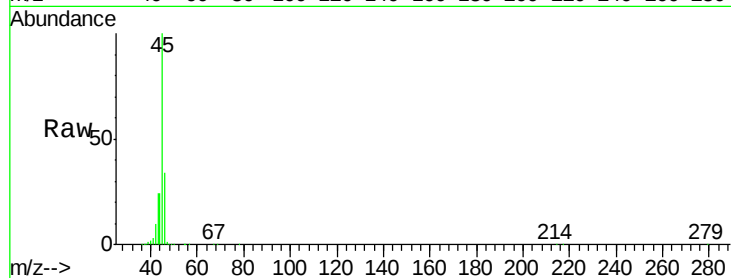
EP1-SV-9

Tgt Ion: 45 Resp: 324850

Ion Ratio Lower Upper

45 100

46 37.5 14.6 58.4



#15

Acetone

Concen: 27.49 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031291.D

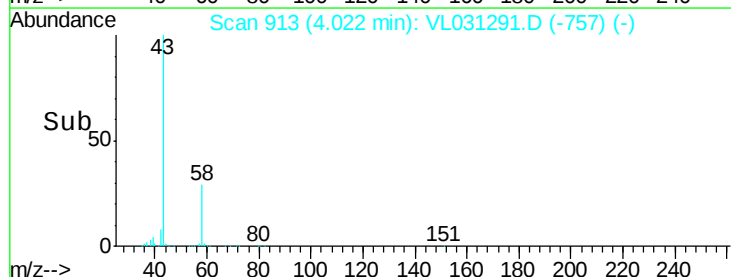
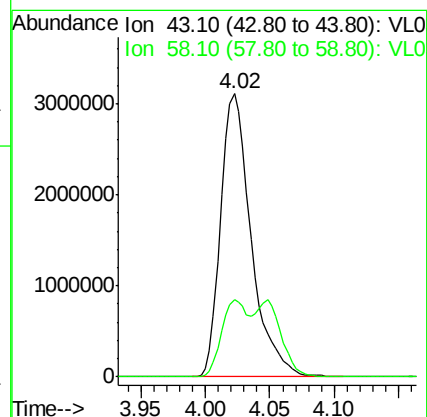
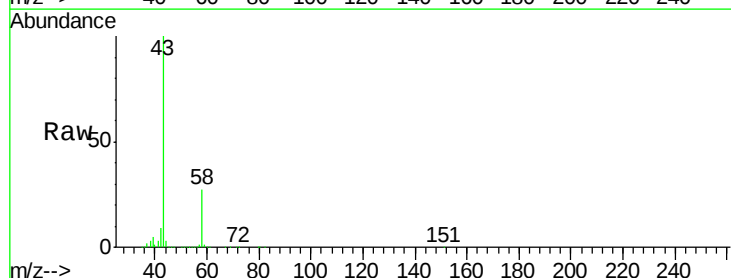
Acq: 21 Dec 2017 5:14

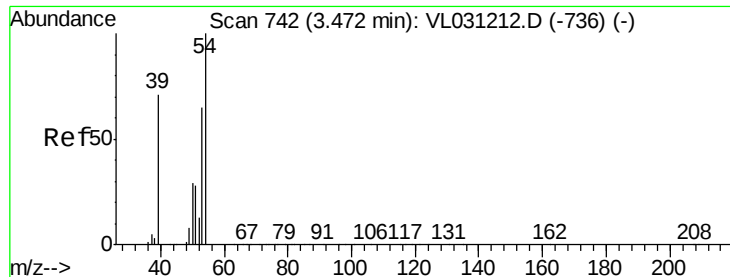
Tgt Ion: 43 Resp: 5096825

Ion Ratio Lower Upper

43 100

58 47.4 20.3 30.5#

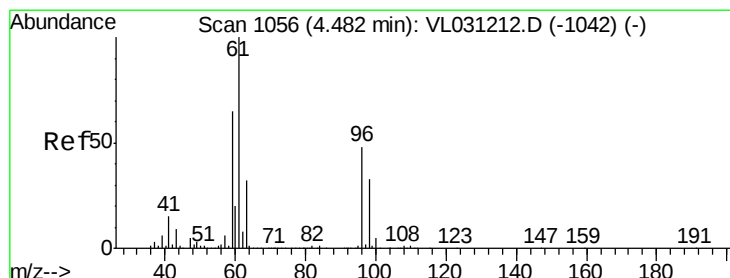
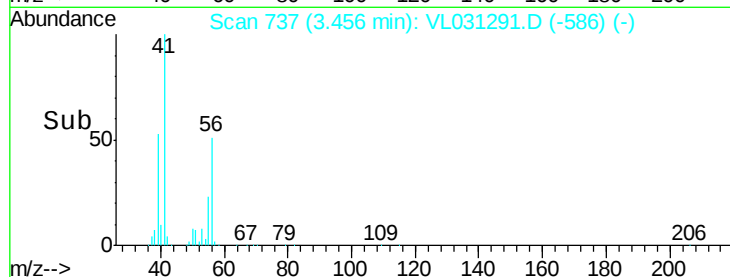
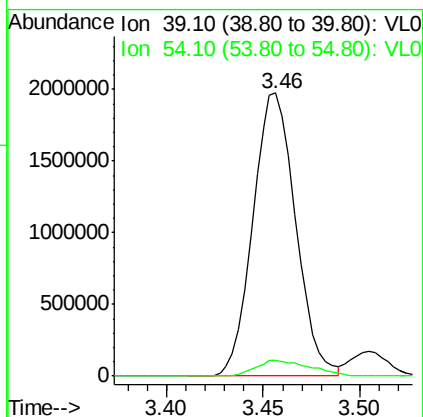
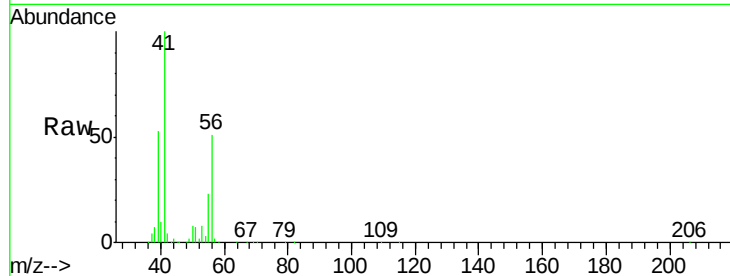




#16
 1,3-Butadiene
 Concen: 37.97 ppbv
 RT: 3.46 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

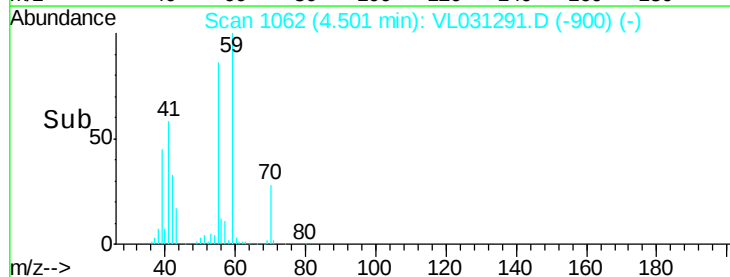
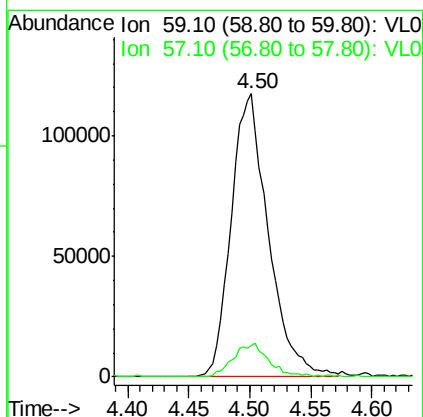
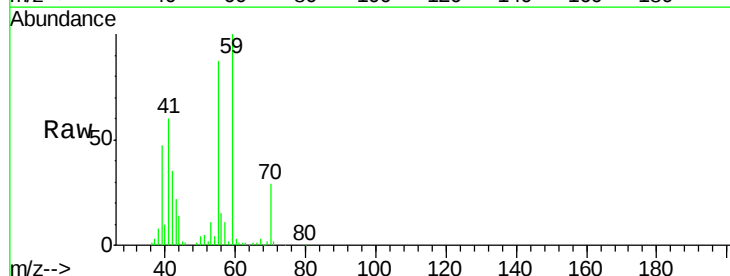
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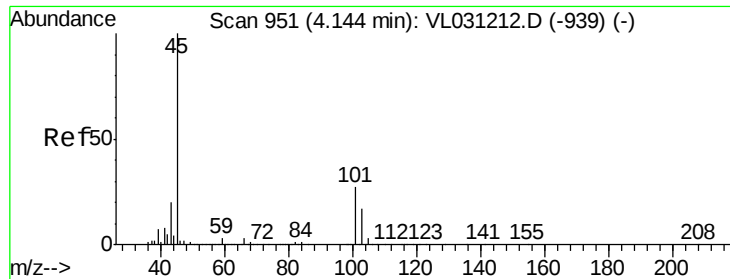
Tgt Ion: 39 Resp: 3028435
 Ion Ratio Lower Upper
 39 100
 54 7.3 66.4 99.6#



#17
 tert-Butyl alcohol
 Concen: 2.40 ppbv
 RT: 4.50 min Scan# 1062
 Delta R.T. 0.02 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

Tgt Ion: 59 Resp: 249308
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.2 12.2





#19

Isopropyl Alcohol

Concen: 0.27 ppbv

RT: 4.16 min Scan# 956

Delta R.T. 0.02 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

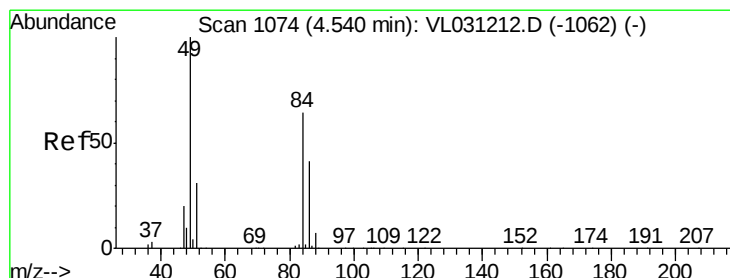
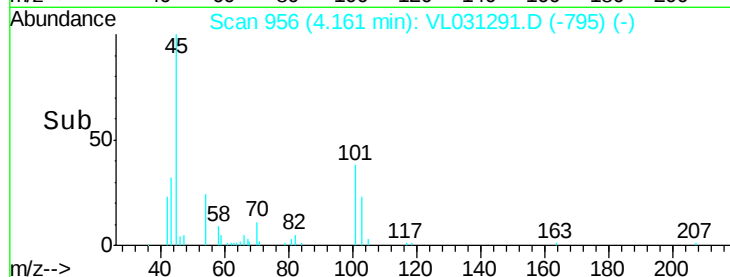
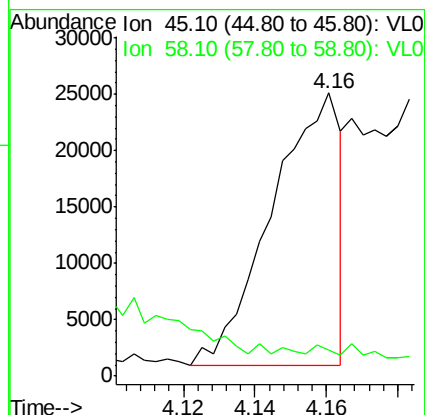
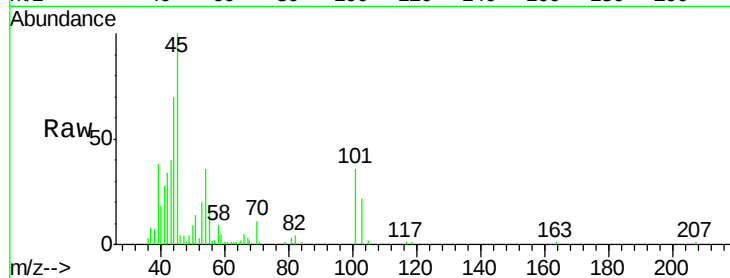
EP1-SV-9

Tgt Ion: 45 Resp: 32145

Ion Ratio Lower Upper

45 100

58 0.0 27.2 40.8#



#20

Methylene Chloride

Concen: 3.62 ppbv

RT: 4.55 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Tgt Ion: 84 Resp: 222396

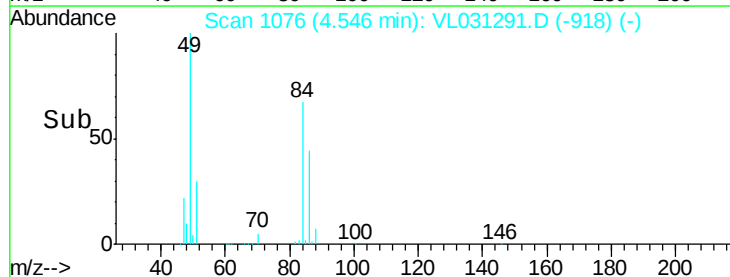
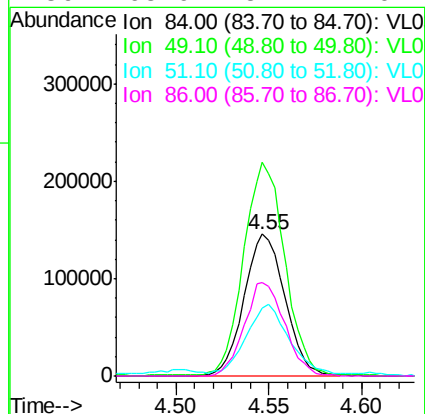
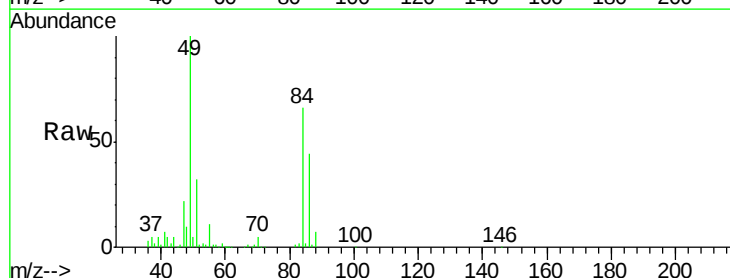
Ion Ratio Lower Upper

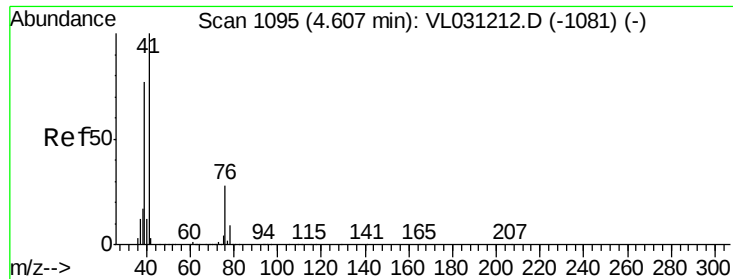
84 100

49 150.0 125.8 188.6

51 45.6 39.3 58.9

86 65.9 51.1 76.7





#21

Allyl Chloride

Concen: 0.91 ppbv

RT: 4.57 min Scan# 1082

Delta R.T. -0.04 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

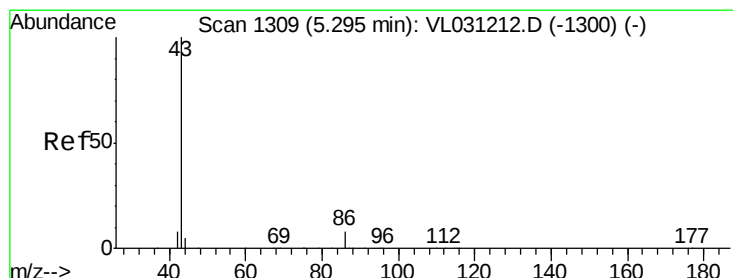
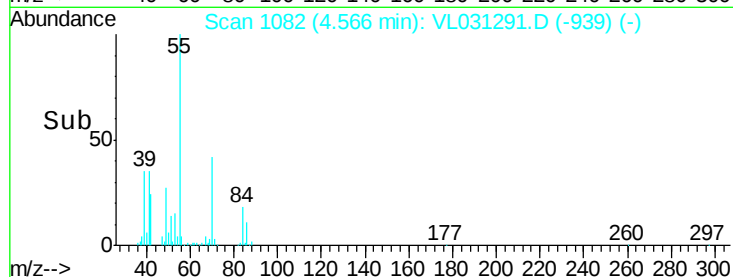
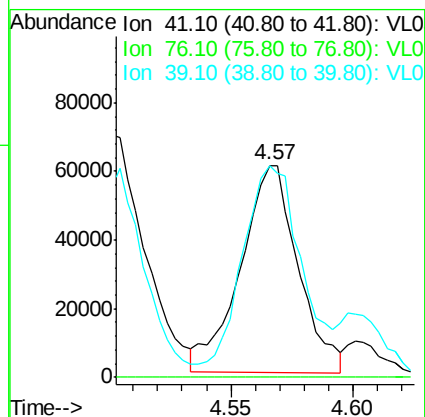
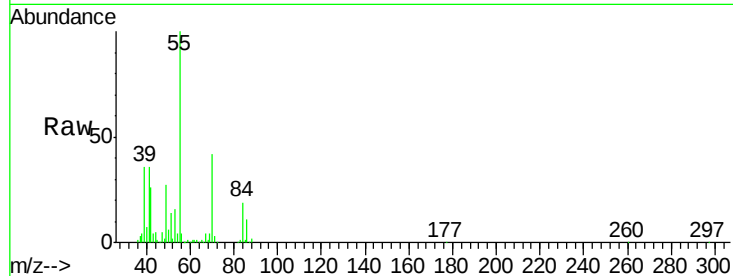
Tgt Ion: 41 Resp: 98890

Ion Ratio Lower Upper

41 100

76 0.0 22.9 34.3#

39 120.4 62.6 93.8#



#23

Vinyl Acetate

Concen: 0.56 ppbv

RT: 5.28 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Tgt Ion: 43 Resp: 167911

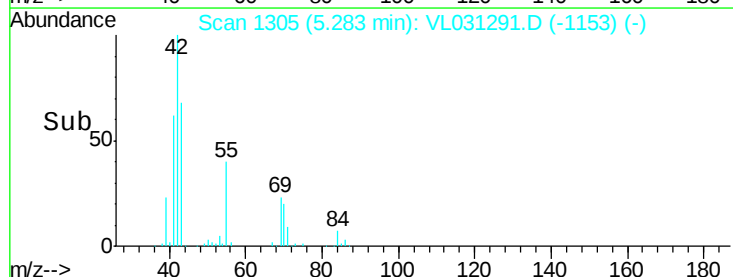
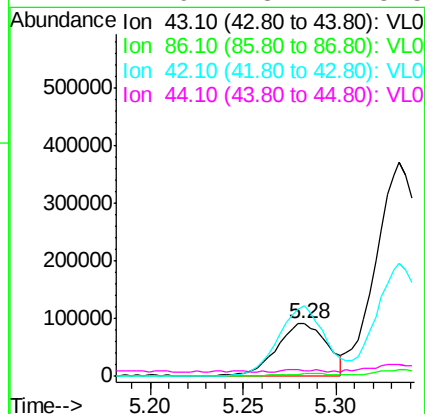
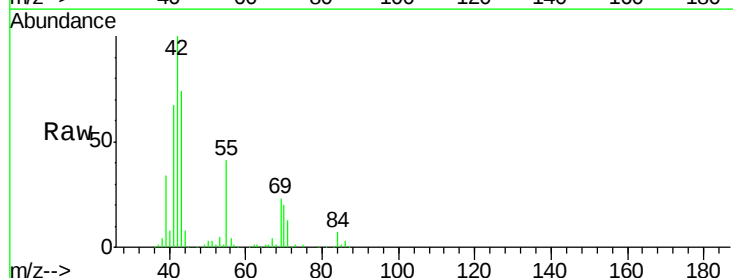
Ion Ratio Lower Upper

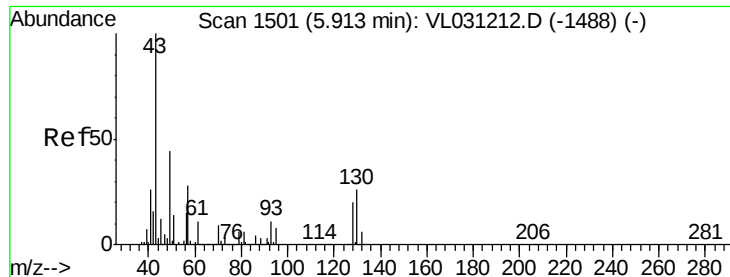
43 100

86 4.5 5.9 8.9#

42 135.8 7.3 10.9#

44 2.9 3.7 5.5#

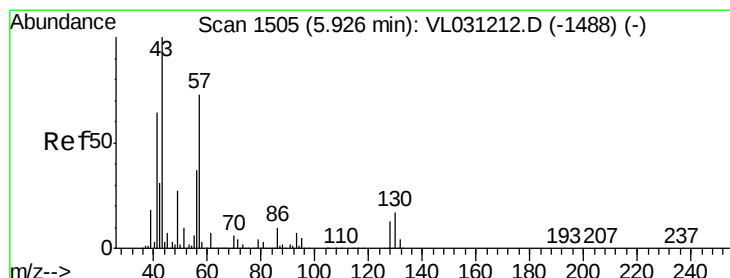
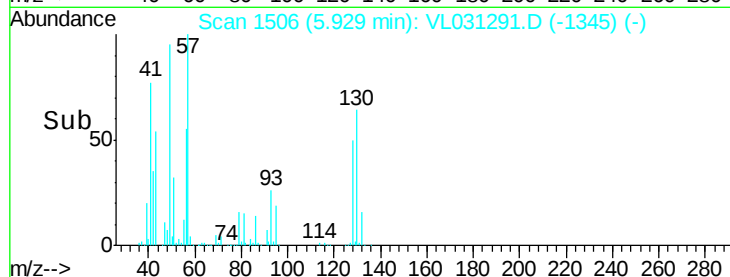
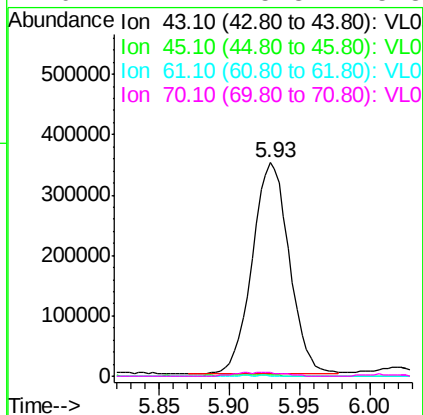
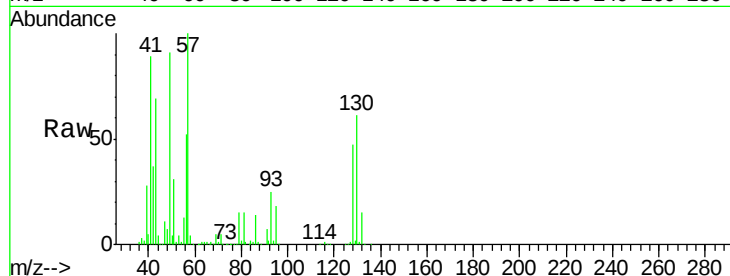




#25
Ethyl Acetate
Concen: 1.70 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

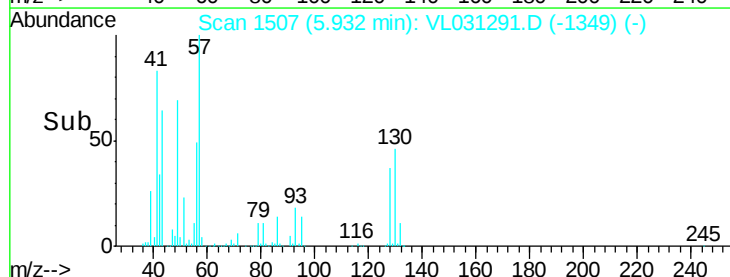
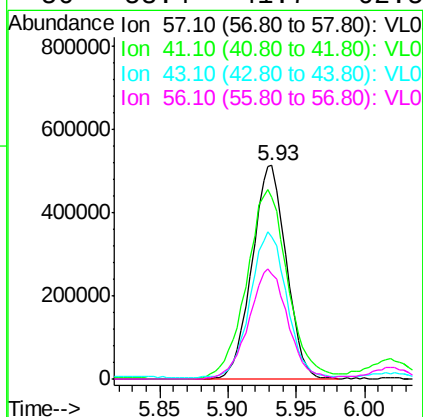
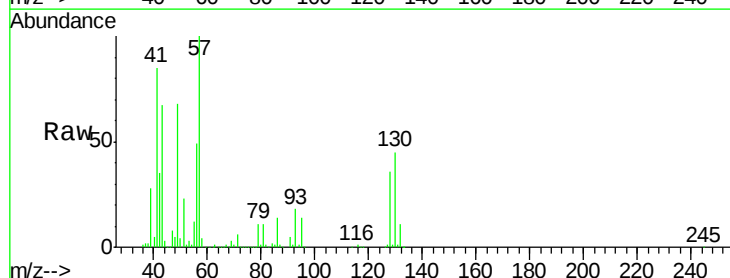
Instrument :
MSVOA_L
ClientSampled :
EP1-SV-9

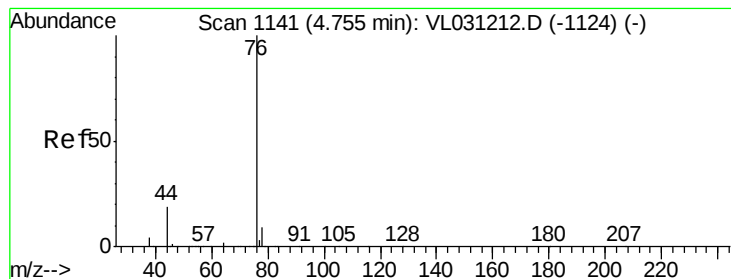
Tgt Ion:	43	Resp:	645017
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.0	12.0#
61	0.5	7.4	11.0#
70	2.7	5.8	8.8#



#26
Hexane
Concen: 4.99 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.01 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

Tgt Ion:	57	Resp:	897067
Ion	Ratio	Lower	Upper
57	100		
41	106.2	70.3	105.5#
43	71.9	173.8	260.8#
56	58.4	41.7	62.5





#27

Carbon Disulfide

Concen: 1.28 ppbv

RT: 4.76 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

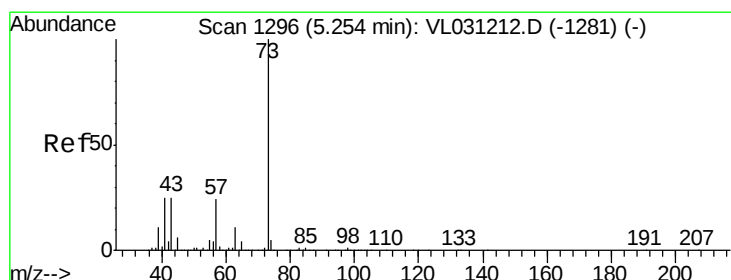
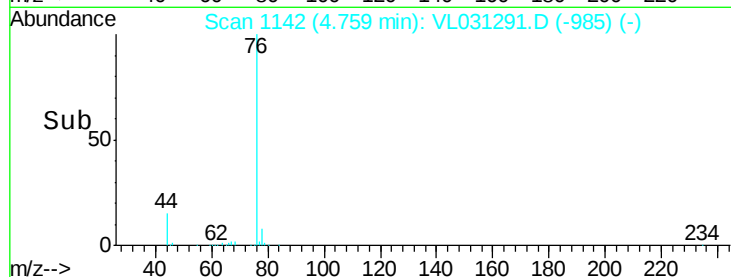
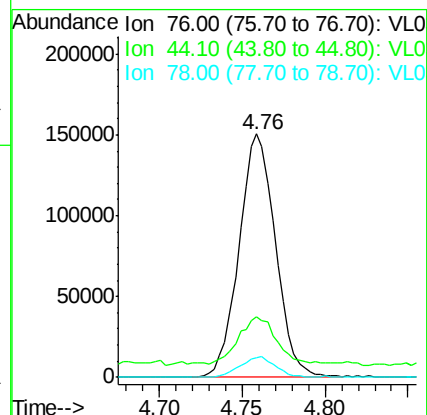
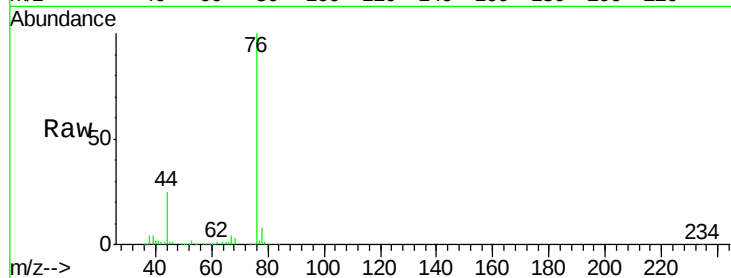
Tgt Ion: 76 Resp: 229722

Ion Ratio Lower Upper

76 100

44 23.5 16.0 24.0

78 8.6 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 0.04 ppbv

RT: 5.26 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VL031291.D

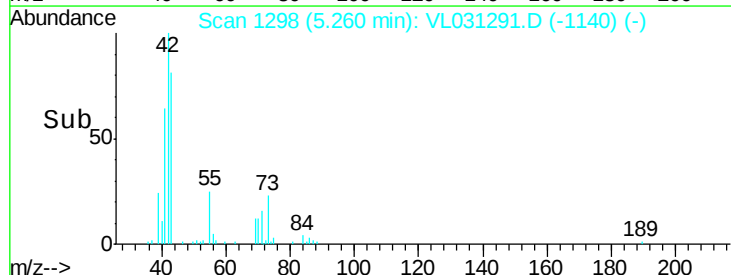
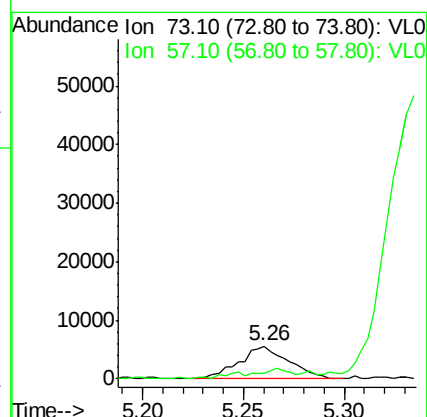
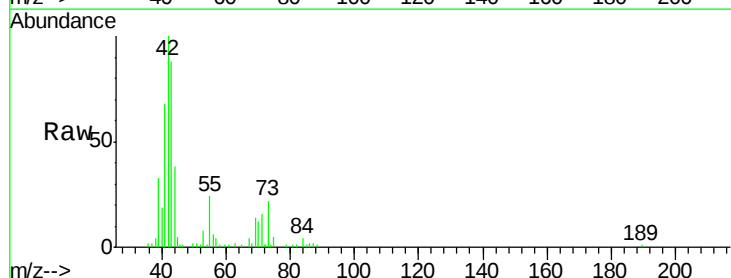
Acq: 21 Dec 2017 5:14

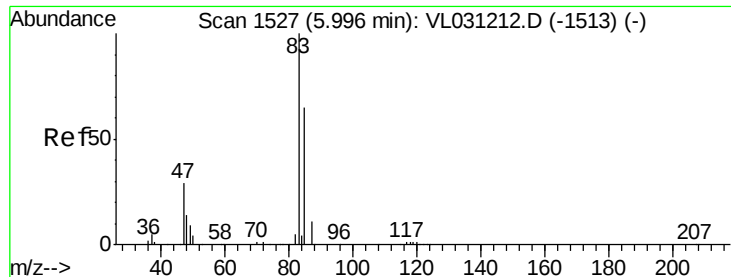
Tgt Ion: 73 Resp: 9727

Ion Ratio Lower Upper

73 100

57 828.1 18.5 27.7#

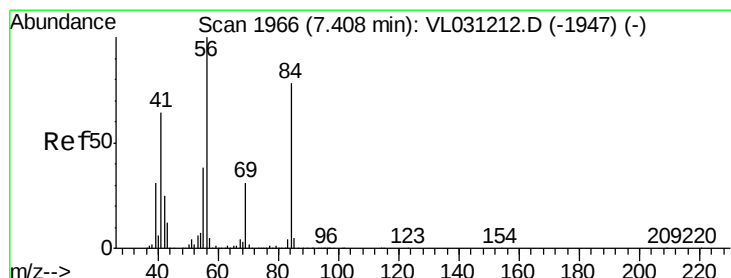
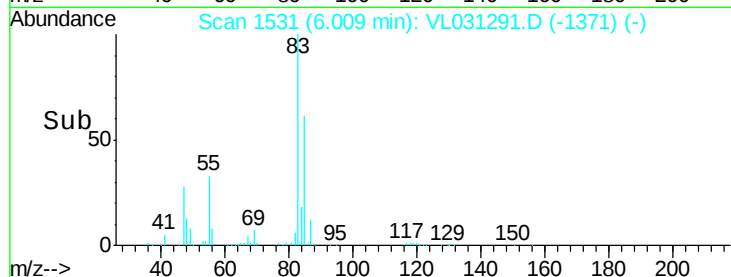
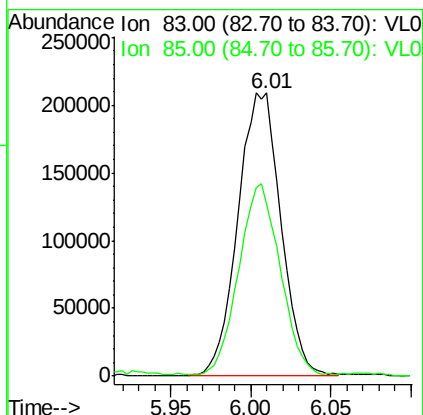
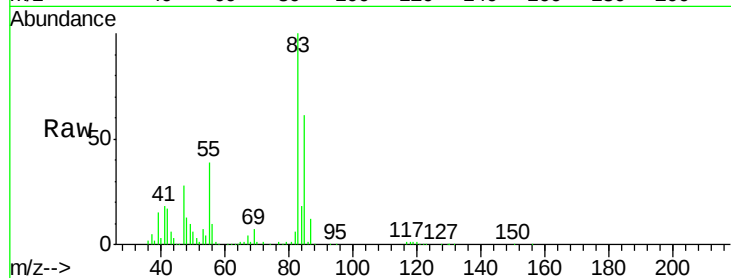




#29
Chloroform
Concen: 1.58 ppbv
RT: 6.01 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

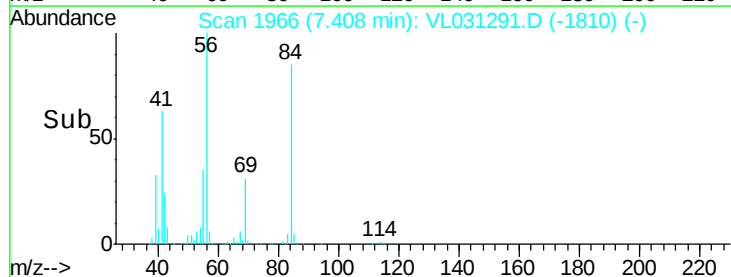
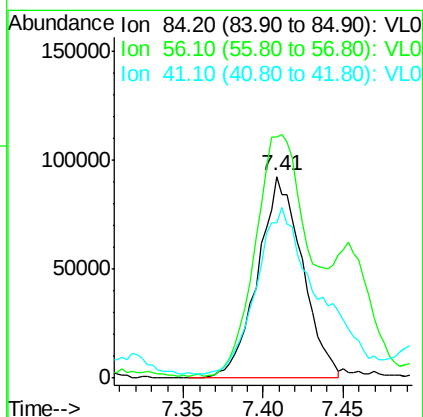
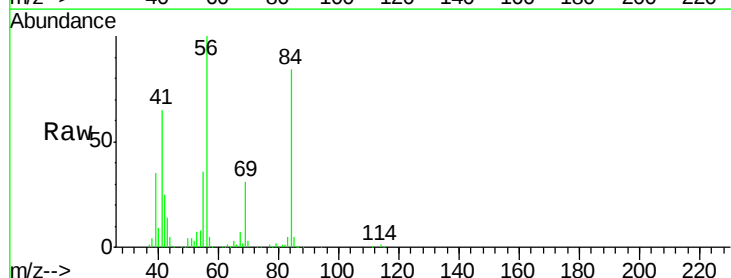
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-9

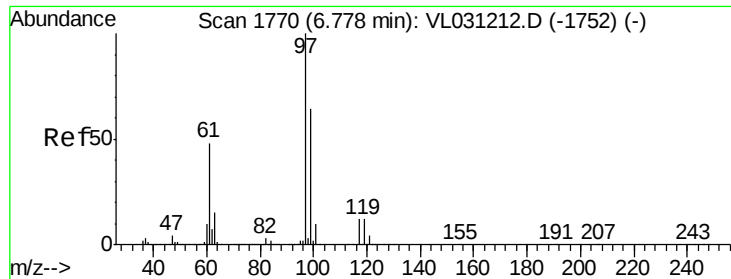
Tgt Ion: 83 Resp: 383547
Ion Ratio Lower Upper
83 100
85 60.5 51.8 77.6



#30
Cyclohexane
Concen: 1.13 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

Tgt Ion: 84 Resp: 178263
Ion Ratio Lower Upper
84 100
56 197.3 108.0 162.0#
41 116.1 66.2 99.4#





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv

RT: 6.78 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

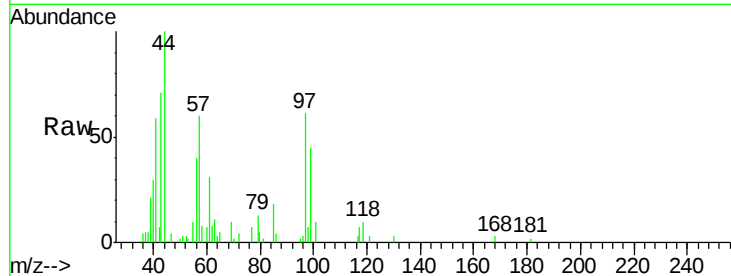
Tgt Ion: 97 Resp: 8642

Ion Ratio Lower Upper

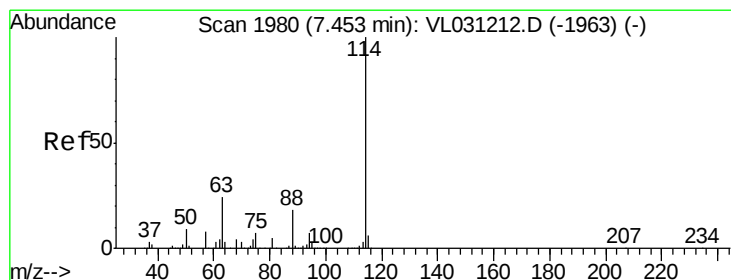
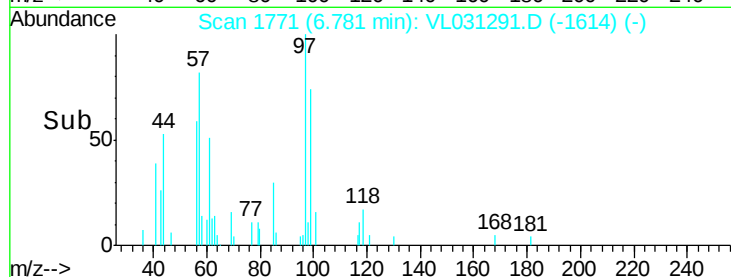
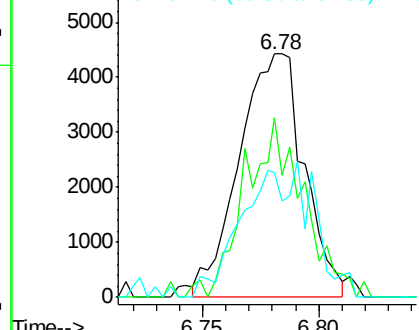
97 100

99 67.6 51.4 77.0

61 61.8 38.4 57.6#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

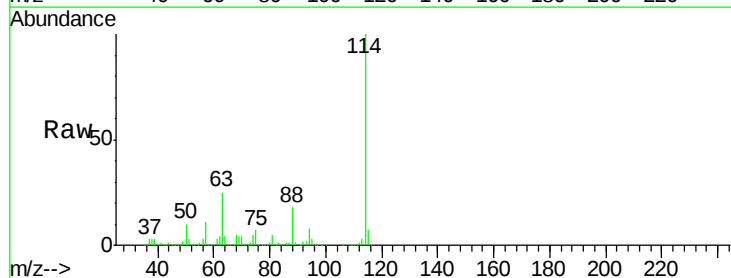
Tgt Ion: 114 Resp: 3386566

Ion Ratio Lower Upper

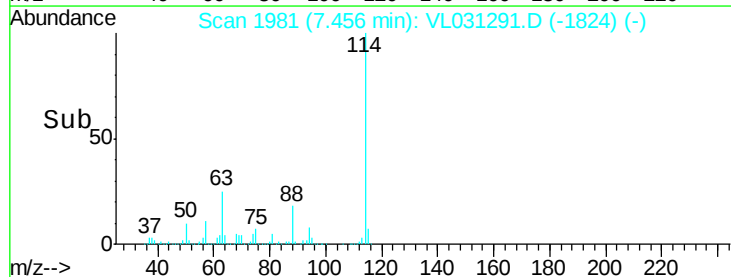
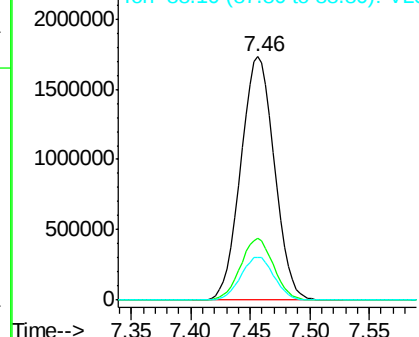
114 100

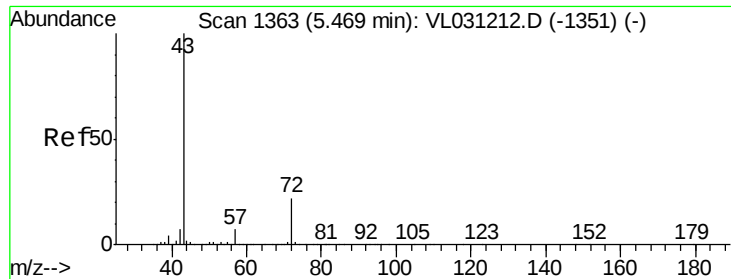
63 25.0 19.8 29.8

88 17.6 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

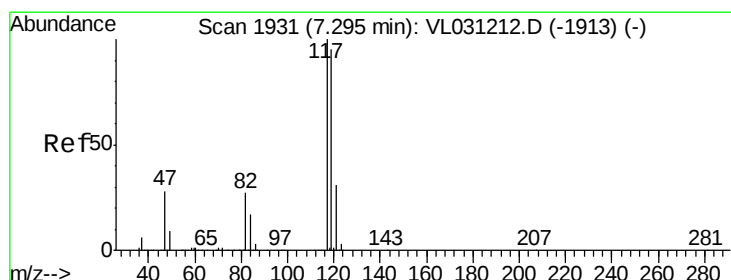
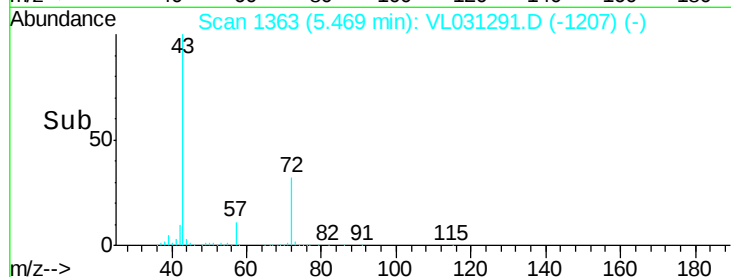
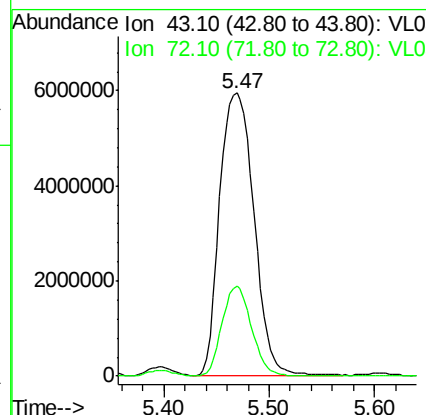
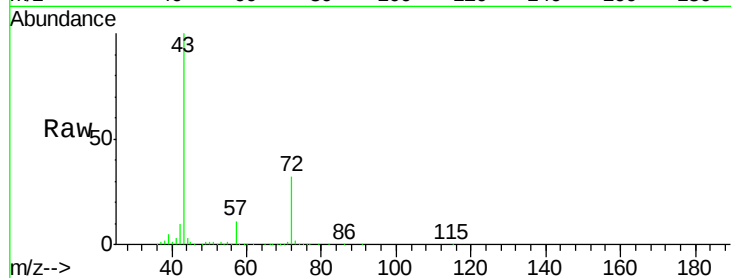




#34
2-Butanone
Concen: 56.17 ppbv
RT: 5.47 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

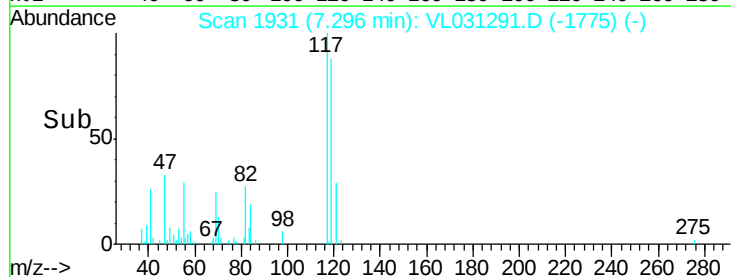
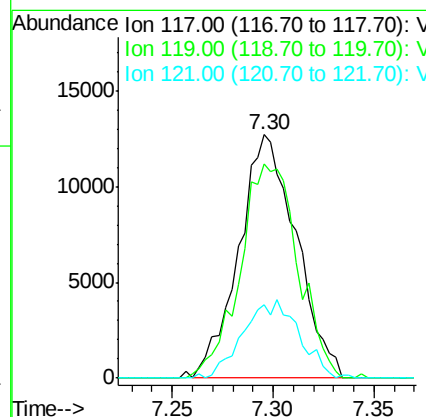
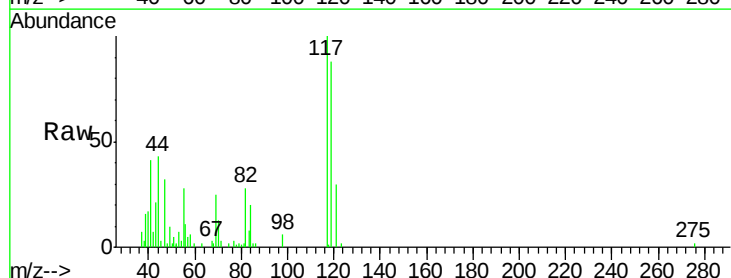
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-9

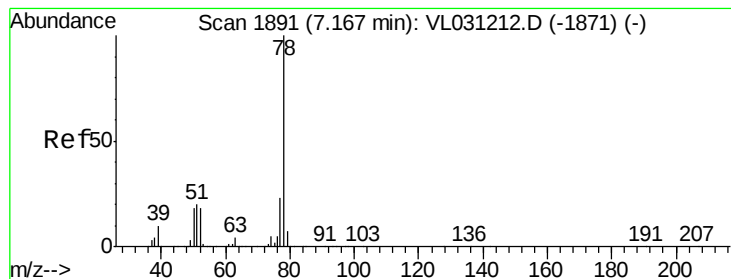
Tgt Ion: 43 Resp:13434582
Ion Ratio Lower Upper
43 100
72 27.4 18.1 27.1#



#35
Carbon Tetrachloride
Concen: 0.10 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

Tgt Ion:117 Resp: 25196
Ion Ratio Lower Upper
117 100
119 88.0 75.9 113.9
121 30.2 24.6 37.0





#36

Benzene

Concen: 1.31 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

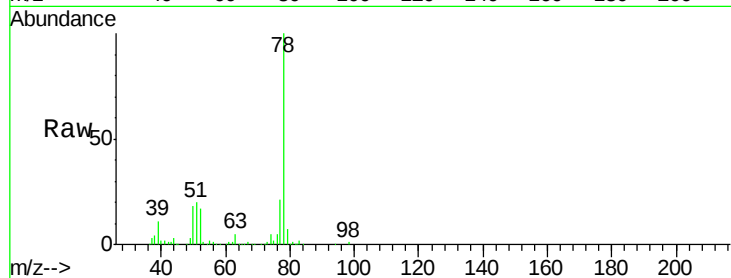
Tgt Ion: 78 Resp: 469867

Ion Ratio Lower Upper

78 100

77 21.3 18.1 27.1

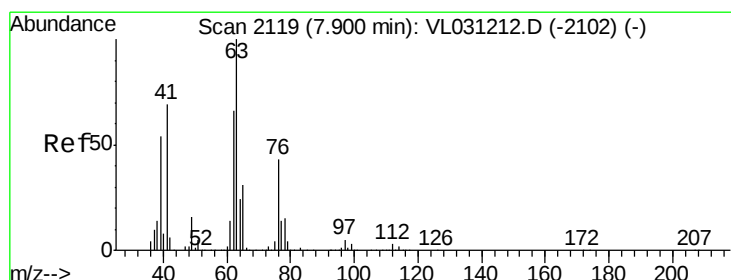
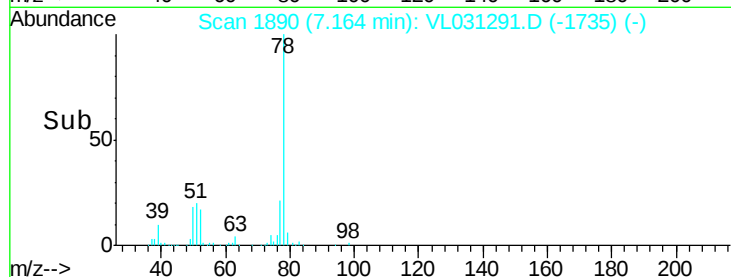
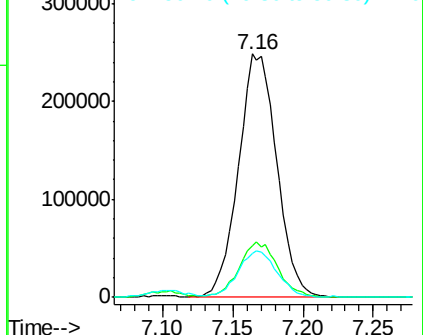
50 17.7 14.6 21.8



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 6.54 ppbv

RT: 7.46 min Scan# 1981

Delta R.T. -0.44 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

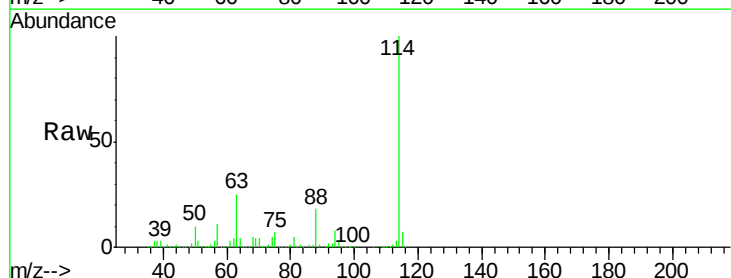
Tgt Ion: 63 Resp: 830480

Ion Ratio Lower Upper

63 100

41 0.0 55.2 82.8#

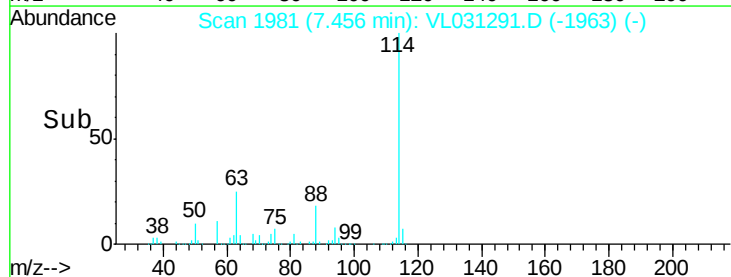
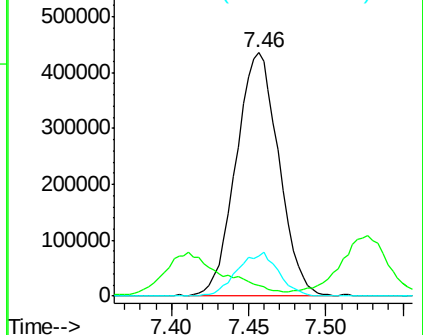
62 16.4 53.0 79.4#

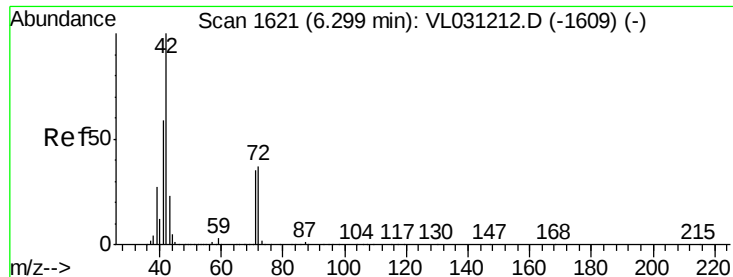


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

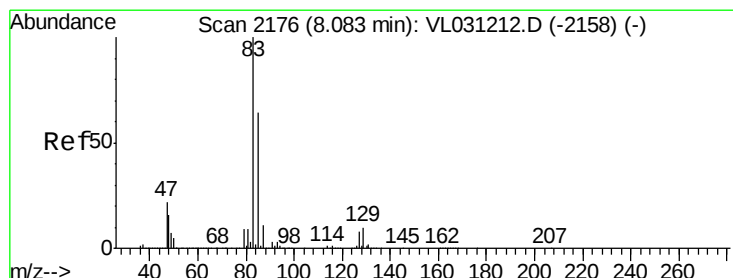
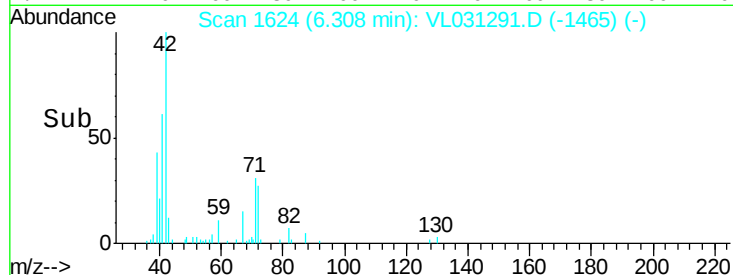
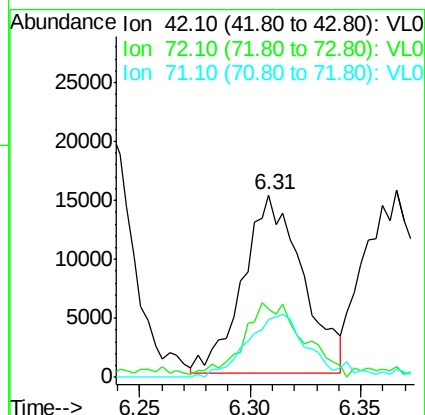
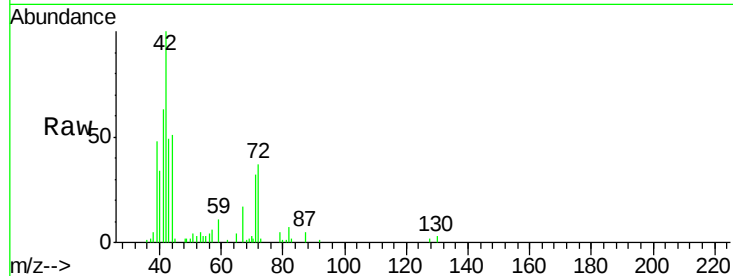




#41
Tetrahydrofuran
Concen: 0.21 ppbv
RT: 6.31 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

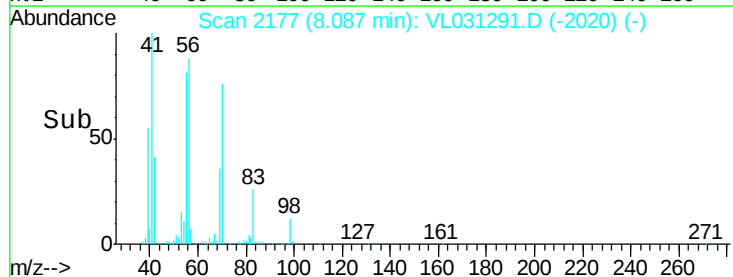
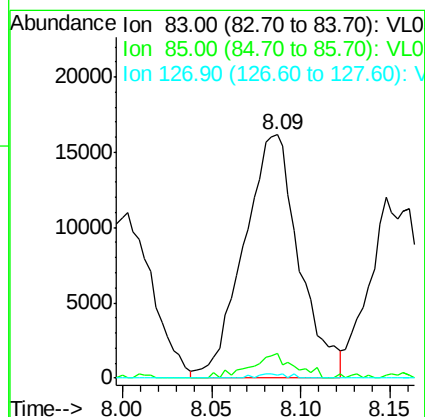
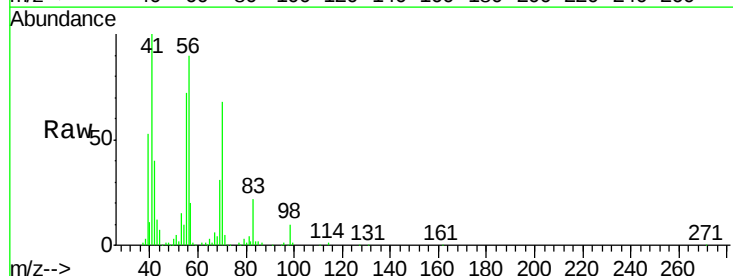
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-9

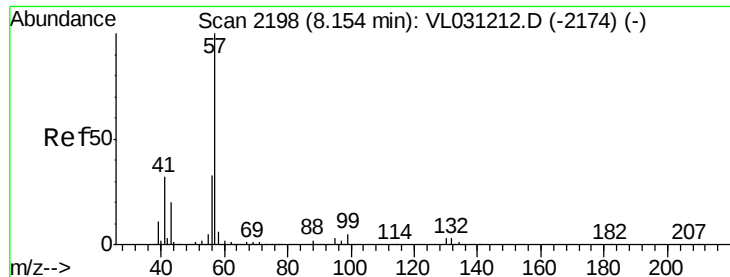
Tgt Ion: 42 Resp: 28444
Ion Ratio Lower Upper
42 100
72 42.1 30.2 45.4
71 39.6 29.0 43.6



#42
Bromodichloromethane
Concen: 0.15 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

Tgt Ion: 83 Resp: 34930
Ion Ratio Lower Upper
83 100
85 10.6 51.5 77.3#
127 1.2 6.5 9.7#





#44

2,2,4-Trimethylpentane

Concen: 1.97 ppbv

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

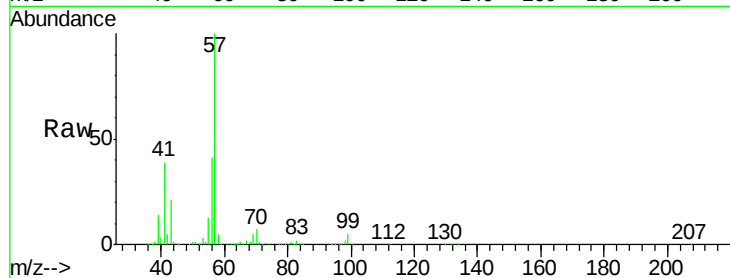
Tgt Ion: 57 Resp: 1068099

Ion Ratio Lower Upper

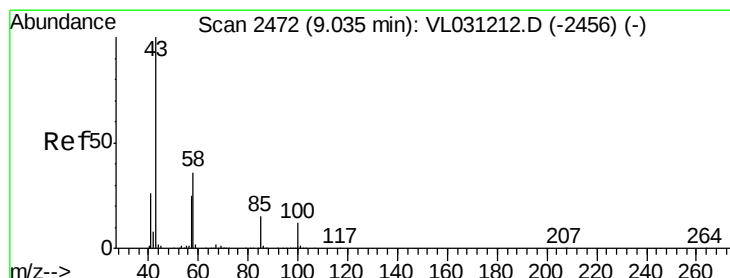
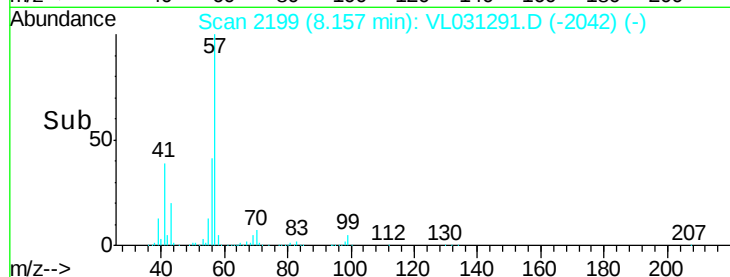
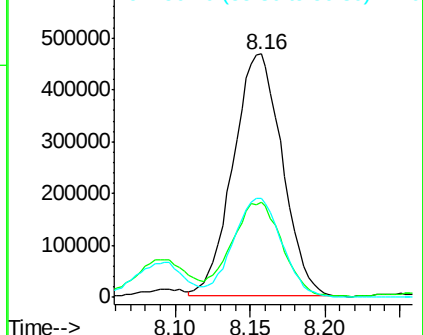
57 100

41 39.3 25.5 38.3#

56 39.9 25.0 37.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.15 ppbv

RT: 9.04 min Scan# 2475

Delta R.T. 0.01 min

Lab File: VL031291.D

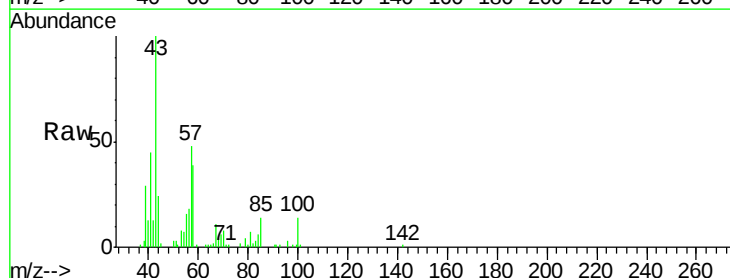
Acq: 21 Dec 2017 5:14

Tgt Ion: 43 Resp: 43887

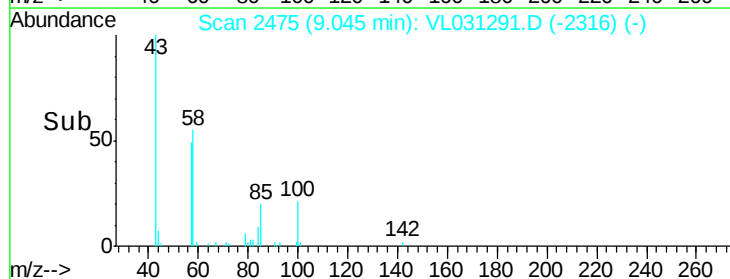
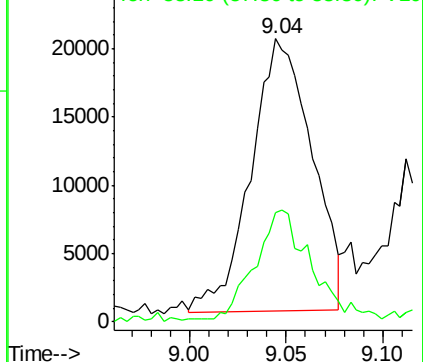
Ion Ratio Lower Upper

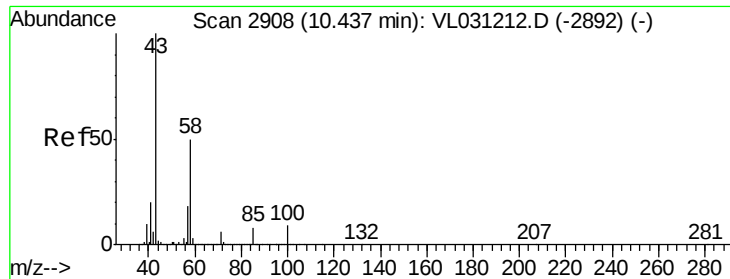
43 100

58 39.5 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

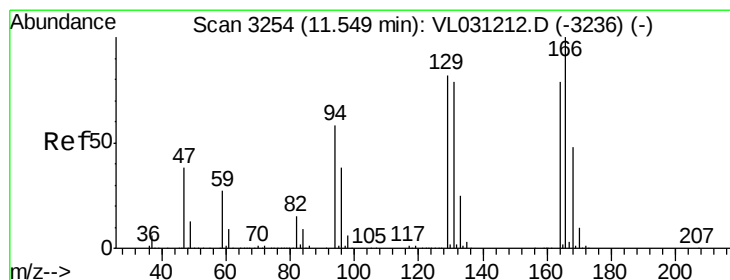
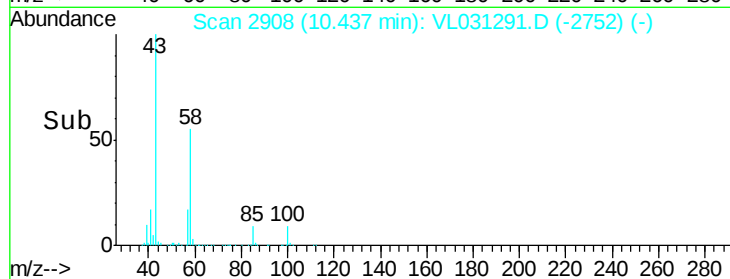
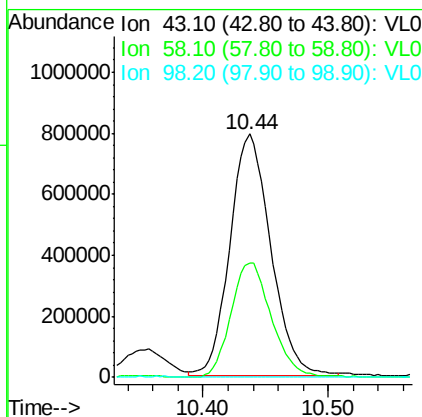
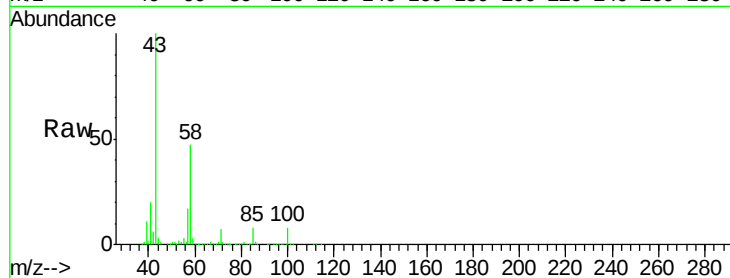




#51
 2-Hexanone
 Concen: 6.43 ppbv
 RT: 10.44 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

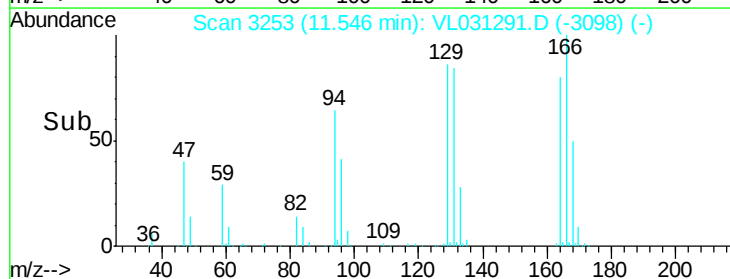
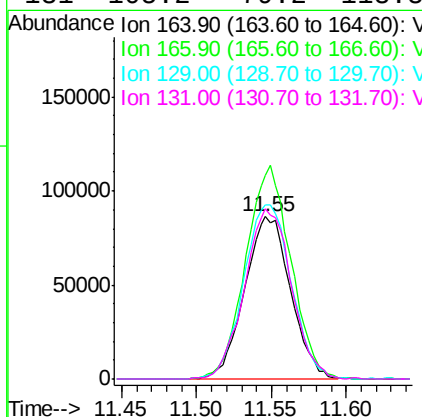
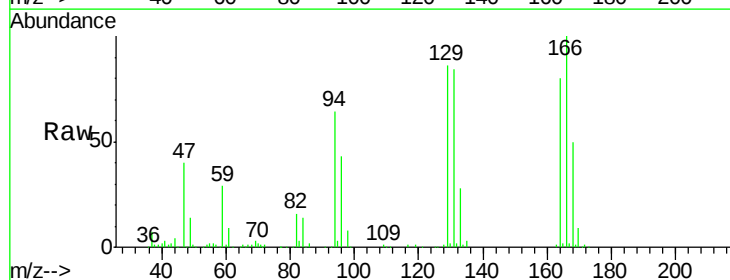
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-9

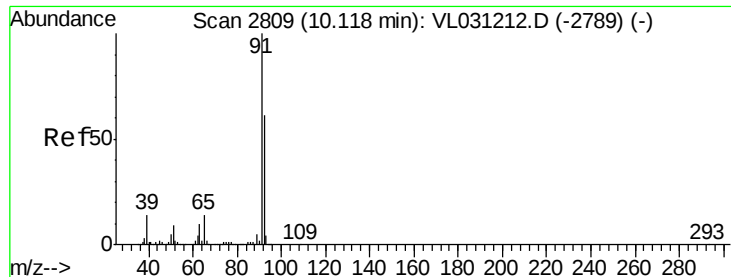
Tgt Ion: 43 Resp: 1796893
 Ion Ratio Lower Upper
 43 100
 58 47.0 39.8 59.6
 98 0.1 0.0 0.0#



#52
 Tetrachloroethene
 Concen: 1.39 ppbv
 RT: 11.55 min Scan# 3253
 Delta R.T. -0.00 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

Tgt Ion: 164 Resp: 184658
 Ion Ratio Lower Upper
 164 100
 166 125.4 100.6 151.0
 129 107.5 82.9 124.3
 131 105.2 79.2 118.8





#53

Toluene

Concen: 3.17 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

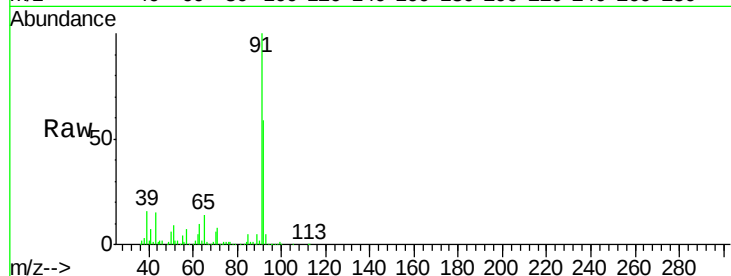
EP1-SV-9

Tgt Ion: 91 Resp: 1233392

Ion Ratio Lower Upper

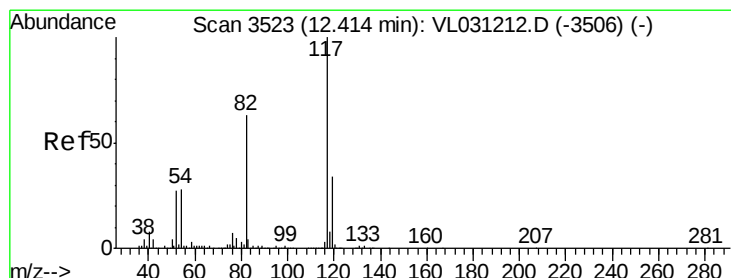
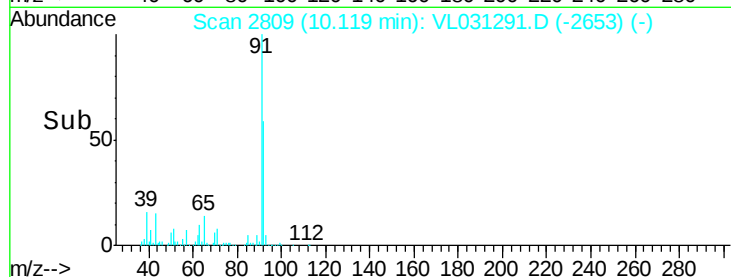
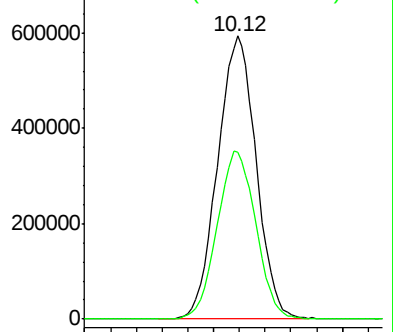
91 100

92 59.8 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3523

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

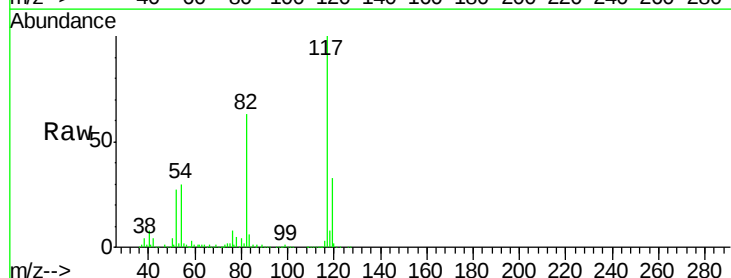
Tgt Ion: 117 Resp: 3237794

Ion Ratio Lower Upper

117 100

82 63.5 48.1 72.1

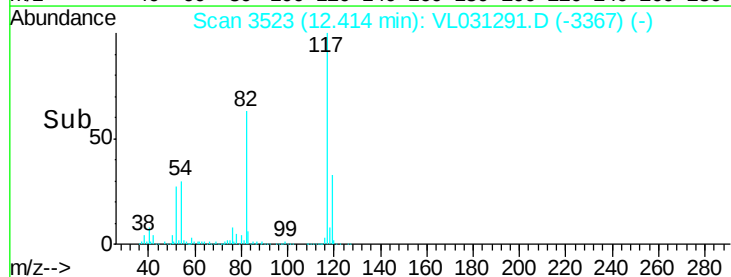
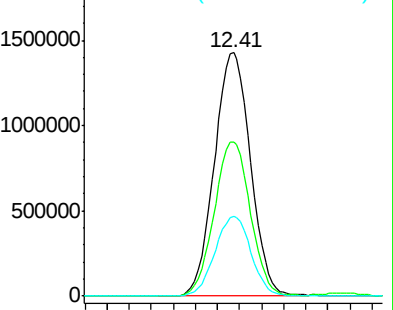
119 32.7 23.1 34.7

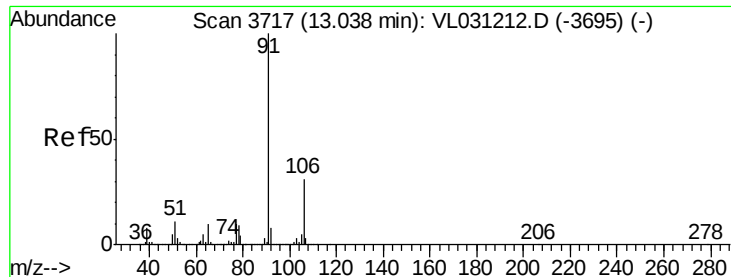


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.33 ppbv

RT: 13.03 min Scan# 3716

Delta R.T. -0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

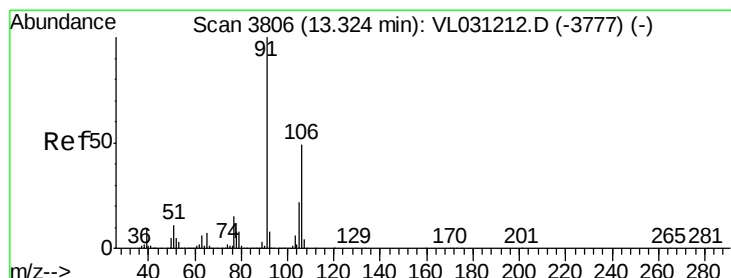
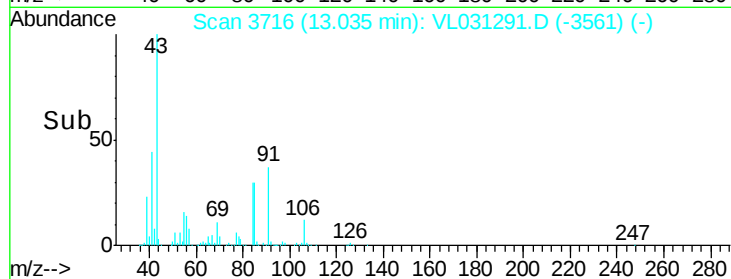
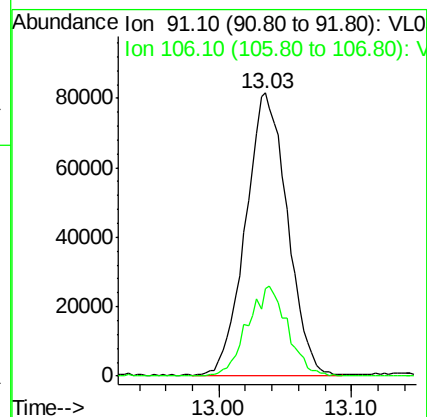
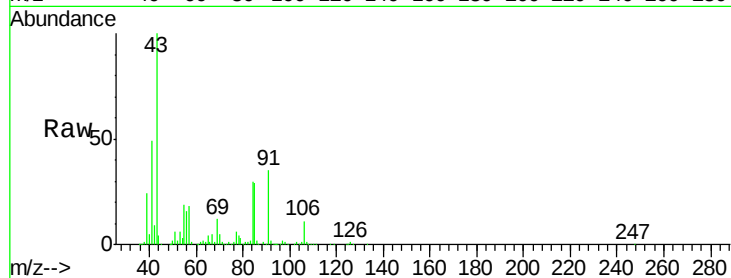
EP1-SV-9

Tgt Ion: 91 Resp: 176915

Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7



#59

m/p-Xylene

Concen: 0.98 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.03 min

Lab File: VL031291.D

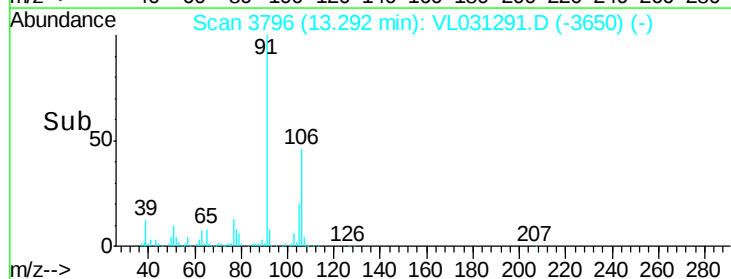
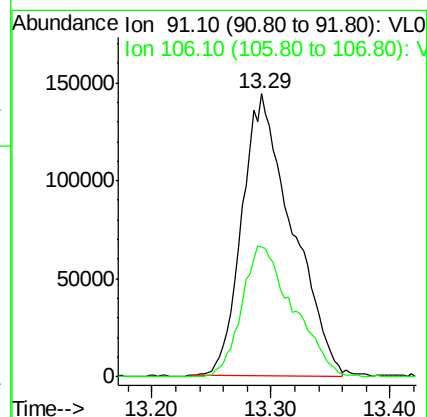
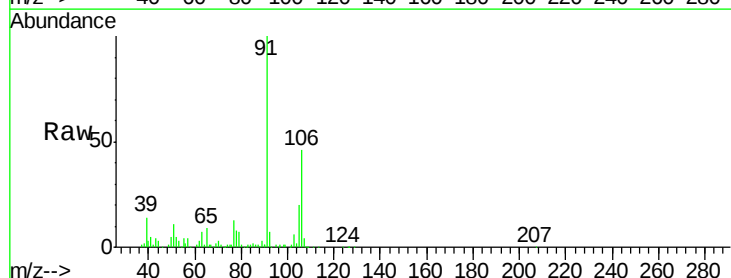
Acq: 21 Dec 2017 5:14

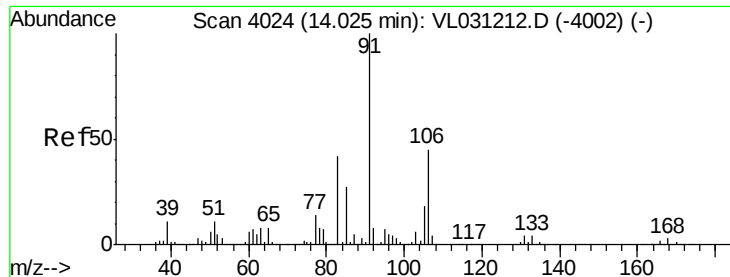
Tgt Ion: 91 Resp: 419804

Ion Ratio Lower Upper

91 100

106 47.8 38.5 57.7

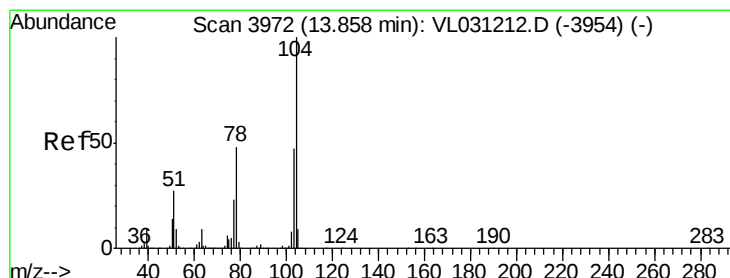
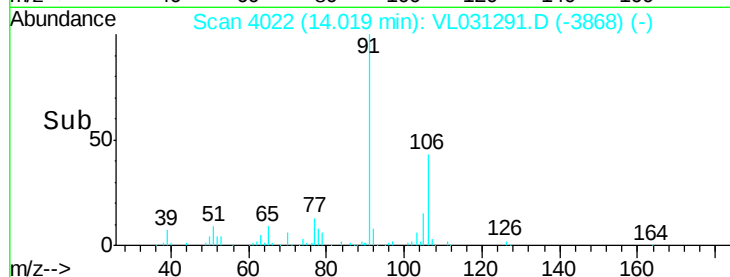
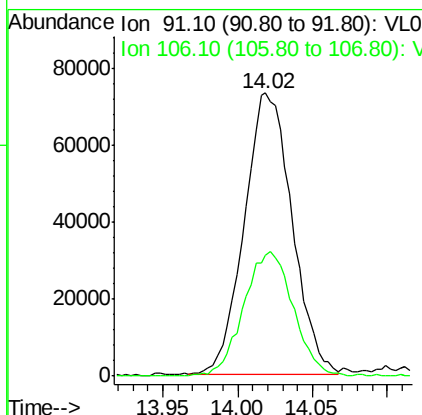
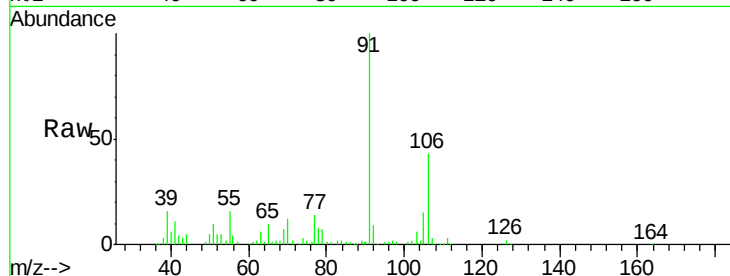




#60
o-Xylene
Concen: 0.38 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

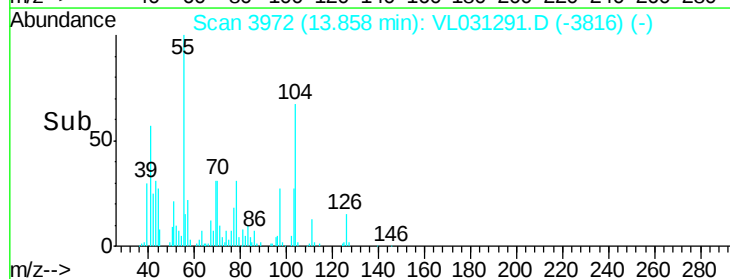
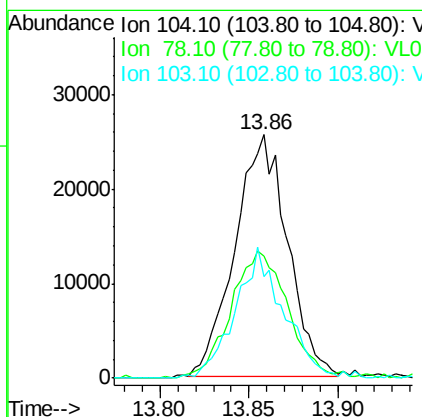
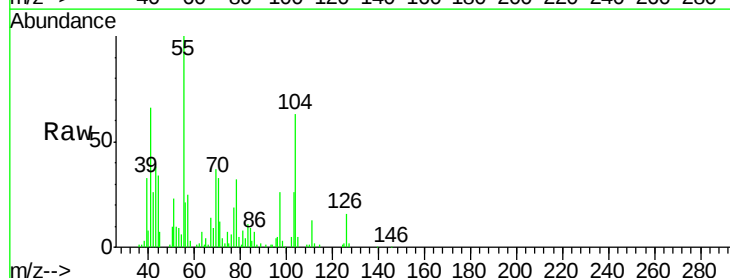
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-9

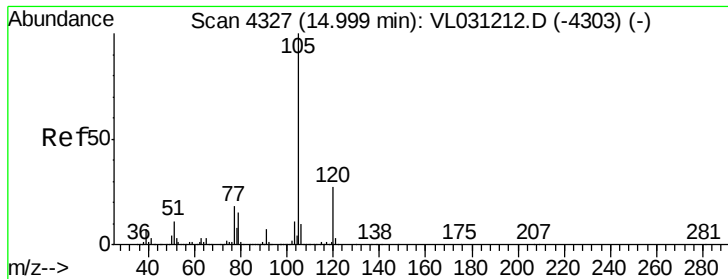
Tgt Ion: 91 Resp: 162135
Ion Ratio Lower Upper
91 100
106 46.1 22.7 68.1



#61
Styrene
Concen: 0.42 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031291.D
Acq: 21 Dec 2017 5:14

Tgt Ion: 104 Resp: 52348
Ion Ratio Lower Upper
104 100
78 57.1 39.1 58.7
103 50.3 37.3 55.9





#62

Isopropylbenzene

Concen: 0.06 ppbv

RT: 15.00 min Scan# 4327

Delta R.T. 0.00 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

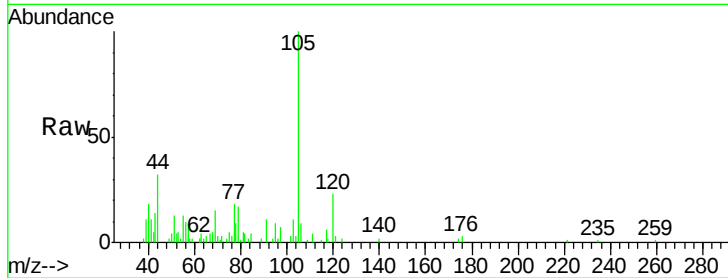
EP1-SV-9

Tgt Ion:105 Resp: 31253

Ion Ratio Lower Upper

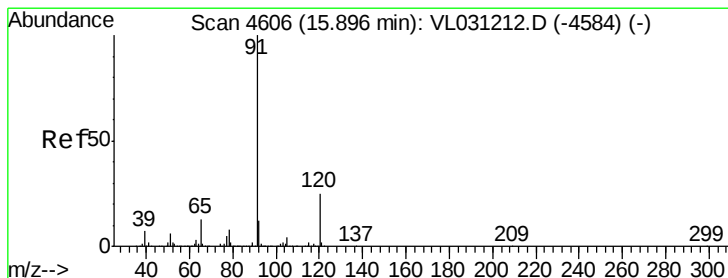
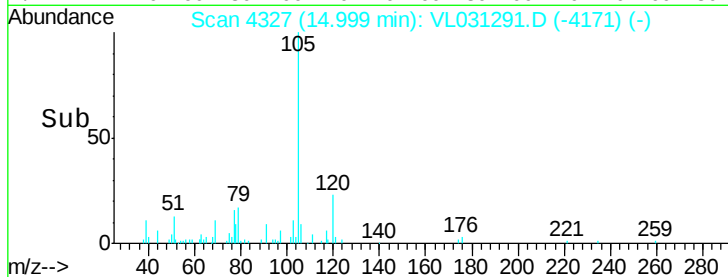
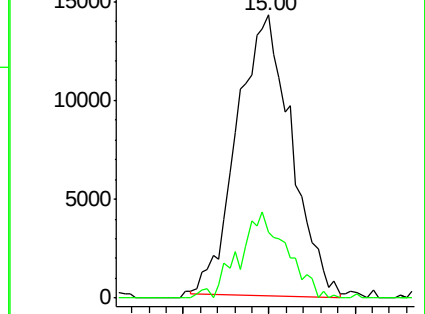
105 100

120 26.8 21.0 31.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.05 ppbv

RT: 15.89 min Scan# 4605

Delta R.T. -0.00 min

Lab File: VL031291.D

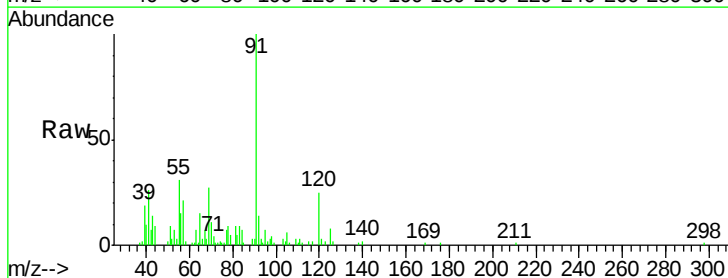
Acq: 21 Dec 2017 5:14

Tgt Ion:120 Resp: 7154

Ion Ratio Lower Upper

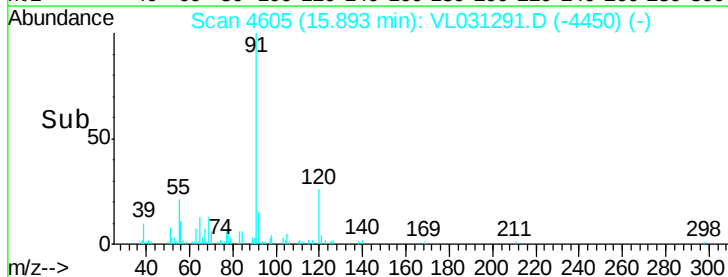
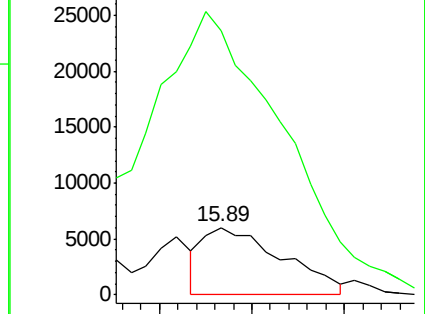
120 100

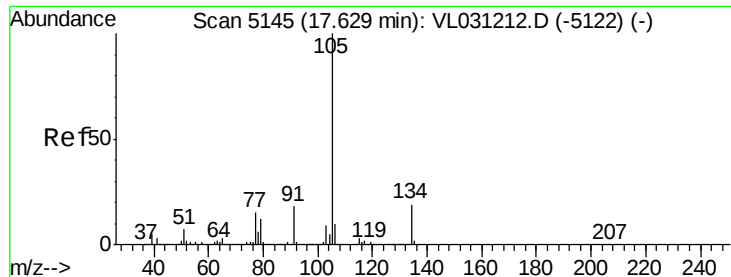
91 788.0 352.1 528.1#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

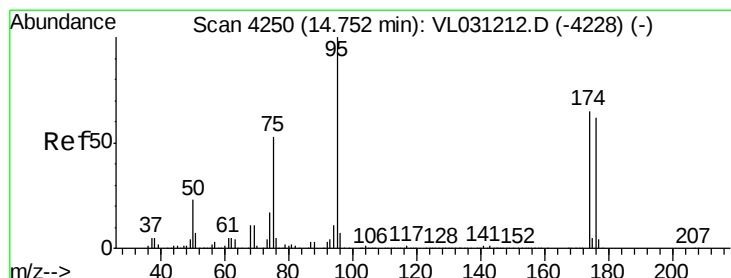
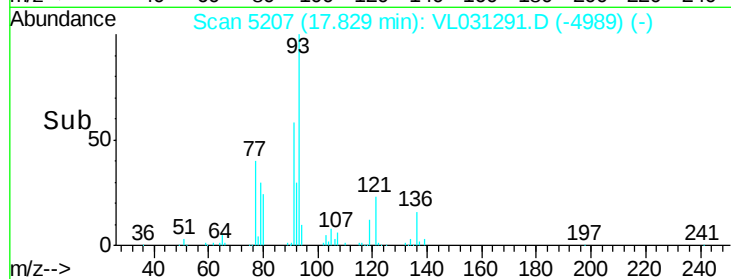
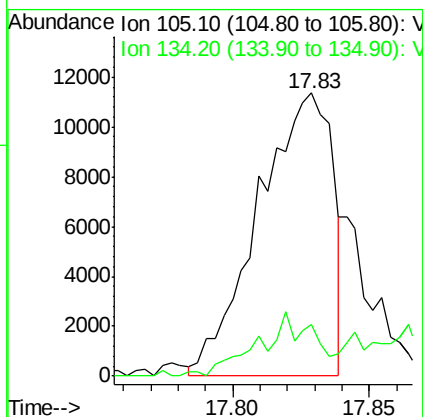
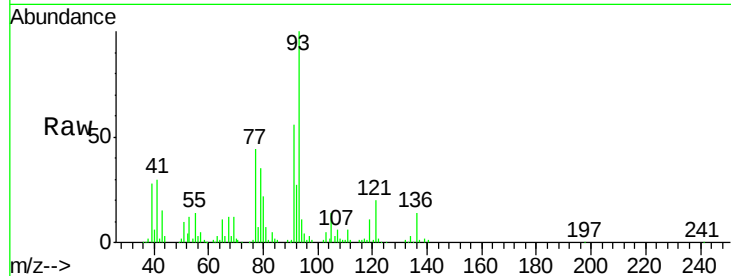




#67
 sec-Butylbenzene
 Concen: 0.03 ppbv
 RT: 17.83 min Scan# 5207
 Delta R.T. 0.20 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

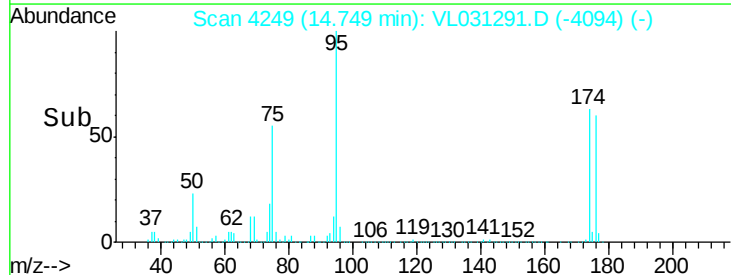
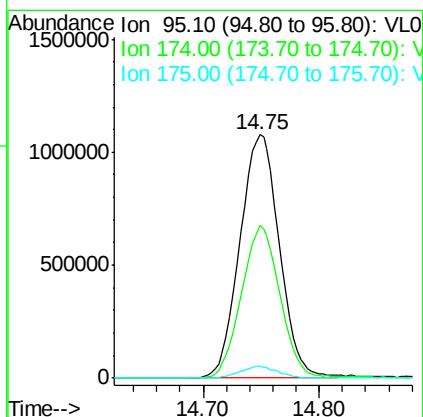
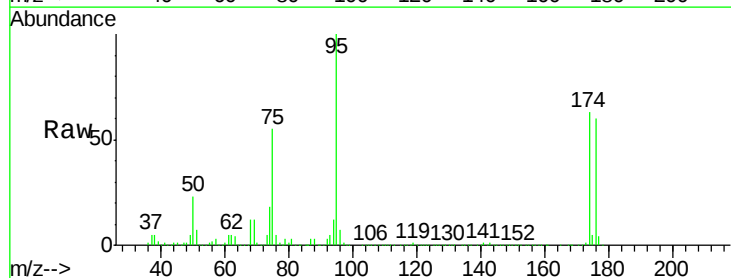
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-9

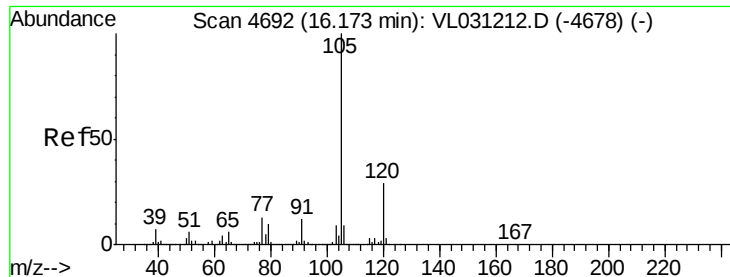
Tgt Ion: 105 Resp: 21474
 Ion Ratio Lower Upper
 105 100
 134 16.5 15.3 22.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.07 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

Tgt Ion: 95 Resp: 2550255
 Ion Ratio Lower Upper
 95 100
 174 61.8 52.5 78.7
 175 4.6 4.1 6.1





#72

4-Ethyltoluene

Concen: 0.05 ppbv

RT: 16.17 min Scan# 4690

Delta R.T. -0.01 min

Lab File: VL031291.D

Acq: 21 Dec 2017 5:14

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-9

Tgt Ion:105 Resp: 22041

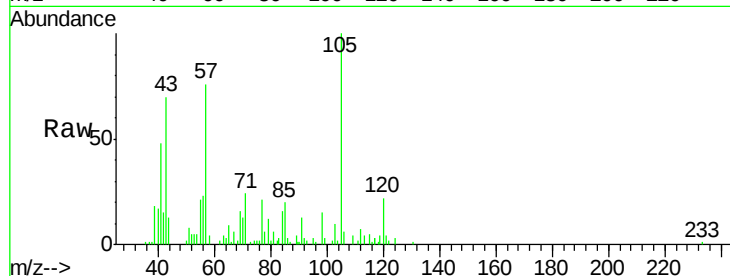
Ion Ratio Lower Upper

105 100

120 62.5 24.2 36.2#

91 34.5 9.8 14.8#

77 22.0 10.5 15.7#

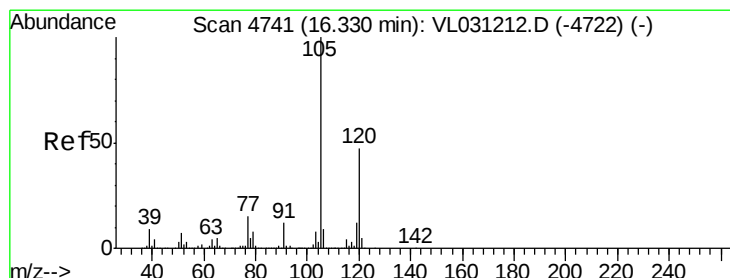
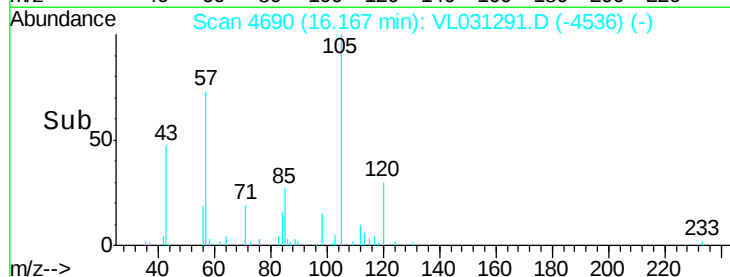
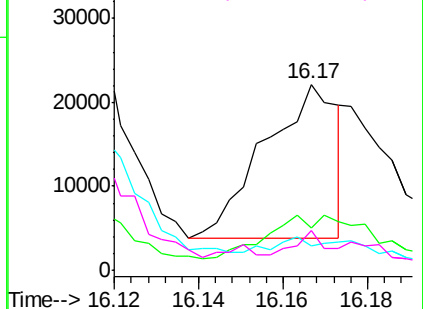


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.12 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. -0.00 min

Lab File: VL031291.D

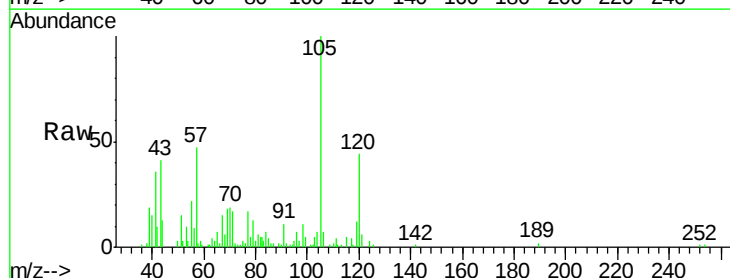
Acq: 21 Dec 2017 5:14

Tgt Ion:105 Resp: 48366

Ion Ratio Lower Upper

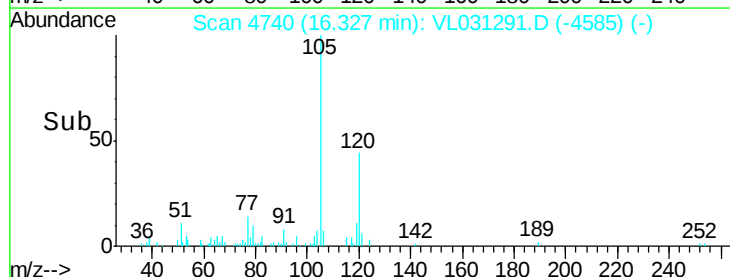
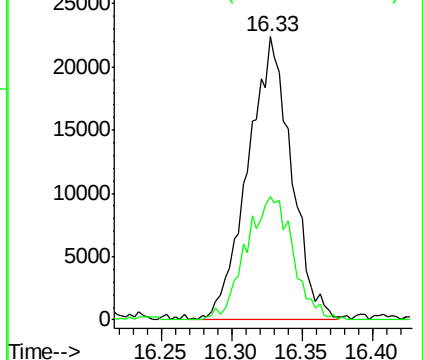
105 100

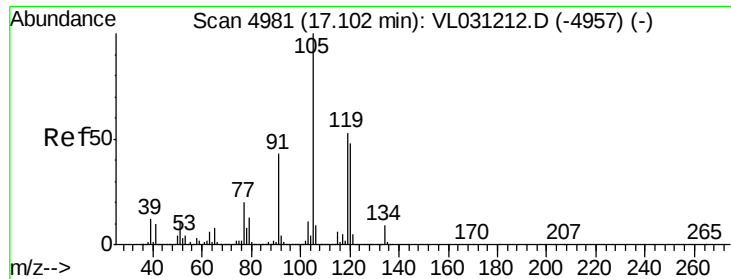
120 43.5 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.24 ppbv
 RT: 17.09 min Scan# 4978
 Delta R.T. -0.01 min
 Lab File: VL031291.D
 Acq: 21 Dec 2017 5:14

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-9

Tgt Ion:	105	Resp:	105376
Ion	Ratio	Lower	Upper
105	100		
120	42.4	38.6	58.0
91	5.2	34.2	51.4#
77	6.4	16.1	24.1#

