

Data File : VL032860.D

Acq On : 30 Nov 2018 22:18

Operator : SY/AP

Sample : J6132-04

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DSV-03

Quant Time: Dec 01 02:26:42 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018

QLast Update : Wed Nov 14 07:00:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1501251	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3749208	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4066094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	3281170	10.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	23644	0.110	ppbv	94
3) Chlorodifluoromethane	3.02	51	45049	0.378	ppbv	92
4) Chloromethane	3.17	50	38520	0.584	ppbv	93
5) Vinyl Chloride	3.04	62	479519	6.857	ppbv #	44
7) Chloroethane	3.61	64	1255	0.050	ppbv #	78
9) Propene	3.24	41	13836406	290.499	ppbv	86
10) Heptane	8.27	43	2234011	12.286	ppbv	99
11) Trichlorofluoromethane	4.02	101	51437	0.253	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.57	101	10874	0.065	ppbv	93
13) Ethanol	3.66	45	733598	47.023	ppbv	99
15) Acetone	3.90	43	3761552	27.437	ppbv #	50
16) 1,3-Butadiene	3.35	39	2735480	51.523	ppbv #	38
17) tert-Butyl alcohol	4.37	59	213060	4.955	ppbv #	73
19) Isopropyl Alcohol	4.04	45	37429	0.410	ppbv #	95
20) Methylene Chloride	4.42	84	276773	3.900	ppbv	94
21) Allyl Chloride	4.44	41	359868	3.124	ppbv #	39
23) Vinyl Acetate	5.15	43	6241949	24.977	ppbv #	1
24) 1,1-Dichloroethane	5.10	63	6949	0.035	ppbv #	89
25) Ethyl Acetate	5.80	43	3412358	10.679	ppbv #	77
26) Hexane	5.80	57	4861189	34.176	ppbv #	44
27) Carbon Disulfide	4.63	76	13991482	77.574	ppbv #	89
28) Methyl tert-Butyl Ether	5.13	73	157769	0.696	ppbv #	54
30) Cyclohexane	7.27	84	16991528	136.579	ppbv	92
34) 2-Butanone	5.34	43	2031574	10.447	ppbv	97
36) Benzene	7.02	78	21985251	73.639	ppbv #	67
37) 1,2-Dichloroethane	6.44	62	21256	0.106	ppbv #	91
38) Trichloroethene	7.98	130	4895	0.041	ppbv #	62
39) 1,2-Dichloropropane	8.00	63	12799	0.113	ppbv #	1
41) Tetrahydrofuran	6.23	42	32827	0.294	ppbv #	37
42) Bromodichloromethane	7.94	83	580581	2.131	ppbv #	25
43) Methyl Methacrylate	8.13	69	17496	0.157	ppbv #	1
44) 2,2,4-Trimethylpentane	8.01	57	2481109	4.973	ppbv #	1
47) 1,1,2-Trichloroethane	9.72	97	45738	0.340	ppbv #	58
50) 4-Methyl-2-Pentanone	8.92	43	101308	0.334	ppbv #	48
51) 2-Hexanone	10.27	43	1073252	5.485	ppbv #	47
52) Tetrachloroethene	11.39	164	24075	0.232	ppbv #	80
53) Toluene	9.97	91	15082287	48.424	ppbv	93
57) Chlorobenzene	12.36	112	838476	2.694	ppbv #	33
58) Ethyl Benzene	12.88	91	3928200	8.027	ppbv	98
59) m/p-Xylene	13.14	91	9880367	22.681	ppbv	94
60) o-Xylene	13.86	91	4920397	11.233	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\
Quantitation Report (Not Reviewed)

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Instrument :
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Quant Time: Dec 01 02:26:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

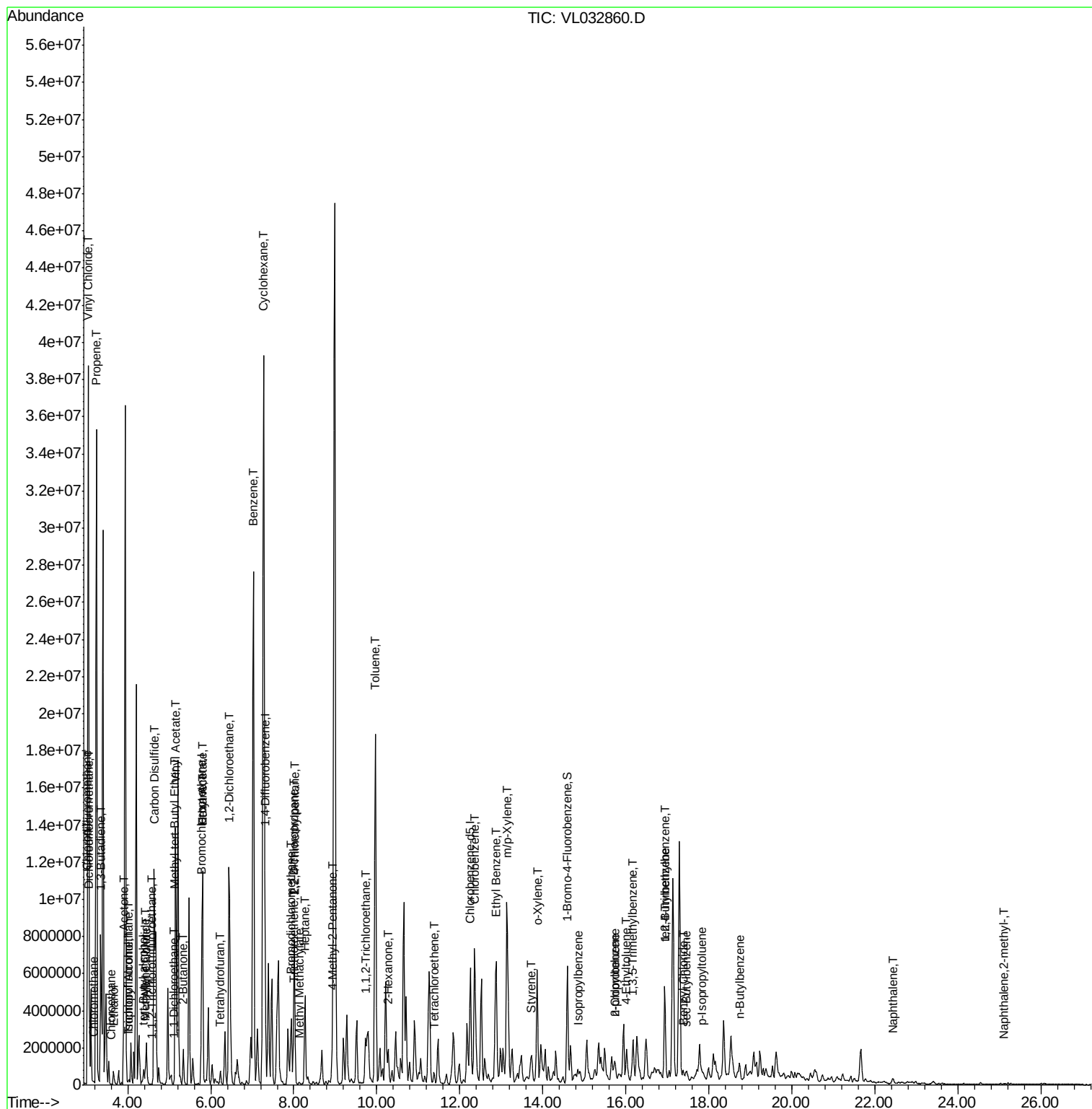
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Styrene	13.70	104	208432	0.731	ppbv	96
62) Isopropylbenzene	14.84	105	590272	0.997	ppbv	99
64) n-propylbenzene	15.74	120	164858	1.059	ppbv	97
65) tert-Butylbenzene	16.94	119	435850	0.821	ppbv #	76
66) Benzyl Chloride	17.39	91	149361	0.509	ppbv #	67
67) sec-Butylbenzene	17.47	105	164441	0.215	ppbv	96
69) p-Isopropyltoluene	17.83	119	221042	0.363	ppbv	99
70) n-Butylbenzene	18.73	91	296999	0.481	ppbv #	34
71) 2-Chlorotoluene	15.74	91	761149	1.724	ppbv #	48
72) 4-Ethyltoluene	16.01	105	1124182	2.342	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	1616279	3.443	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	3669443	7.305	ppbv #	69
79) Naphthalene	22.42	128	203968	0.618	ppbv #	95
80) Naphthalene,2-methyl-	25.12	142	6163	0.075	ppbv #	76

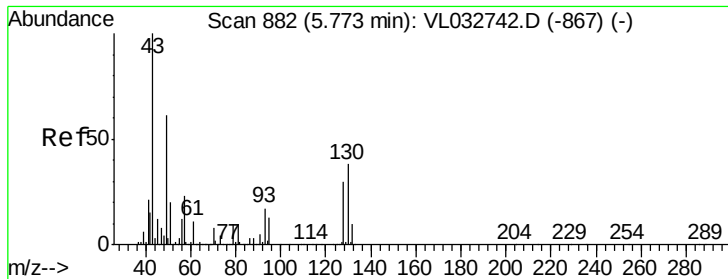
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DSV-03

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032860.D

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Instrument :

MSVOA_L

ClientSampled :

DSV-03

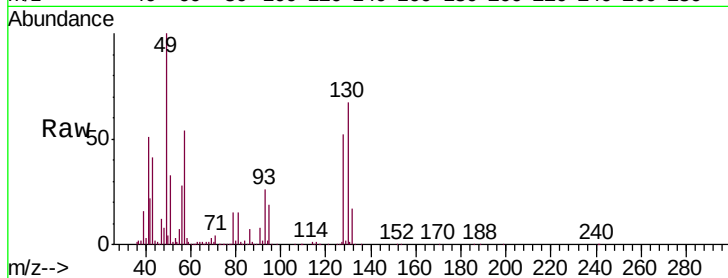
Tgt Ion: 49 Resp: 1501251

Ion Ratio Lower Upper

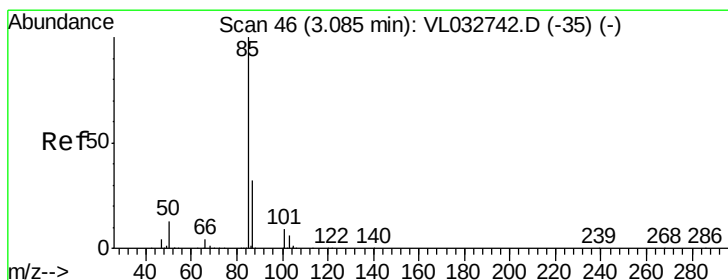
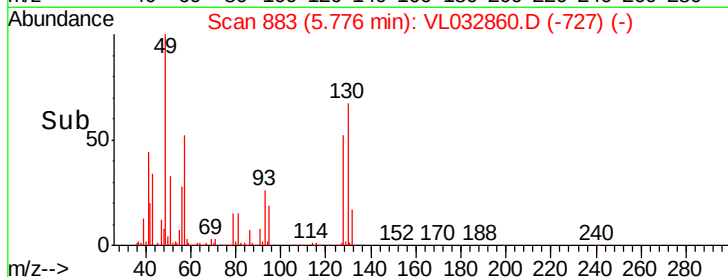
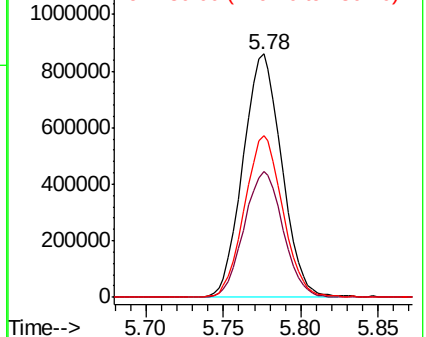
49 100

128 52.2 24.9 74.6

130 66.3 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.110 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032860.D

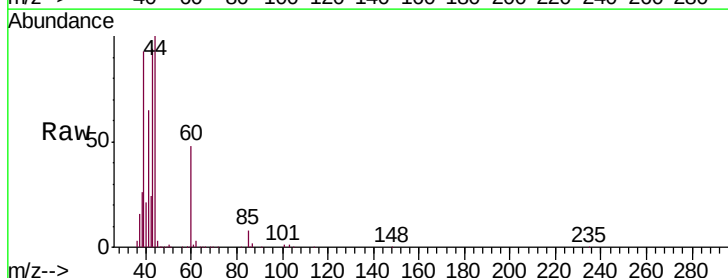
Acq: 30 Nov 2018 22:18

Tgt Ion: 85 Resp: 23644

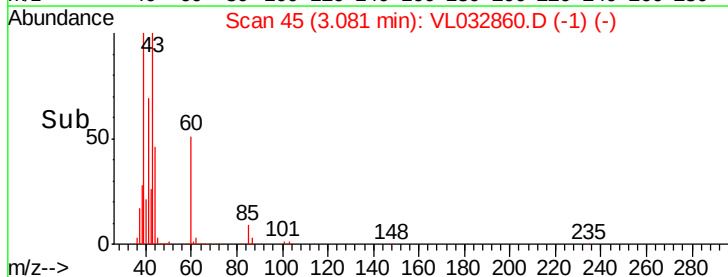
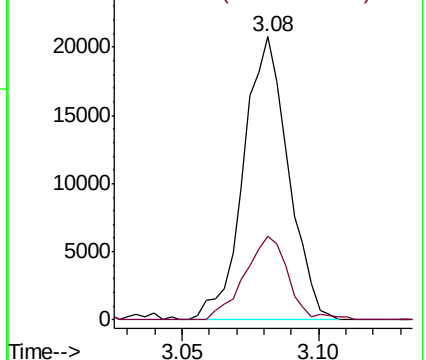
Ion Ratio Lower Upper

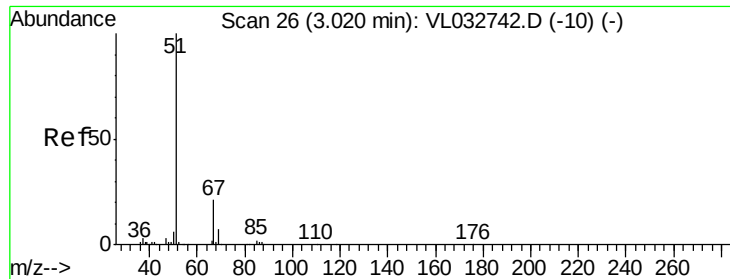
85 100

87 29.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

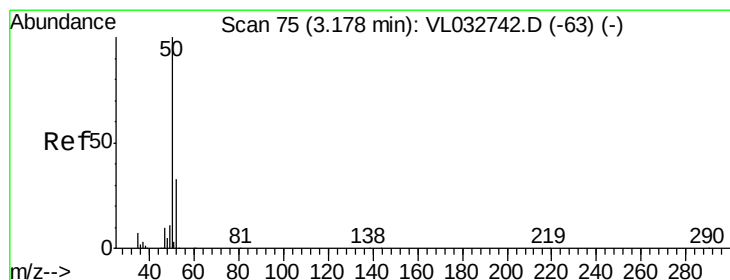
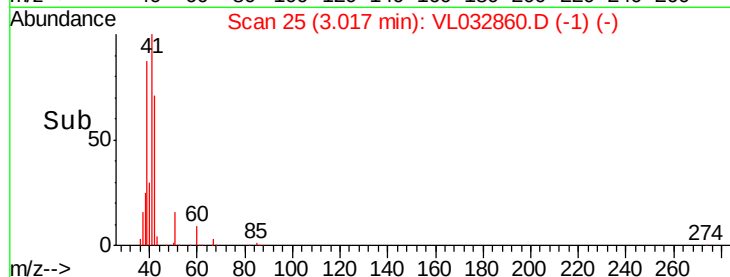
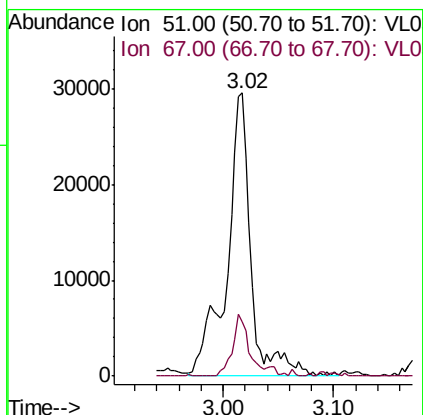
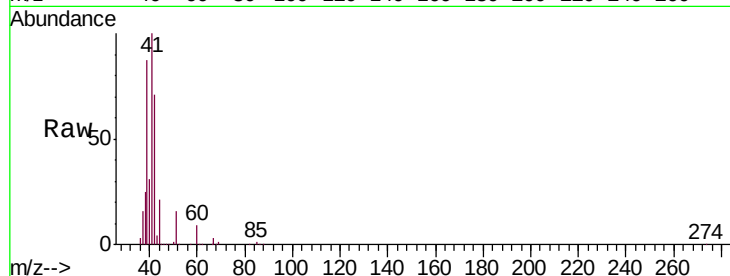




#3
Chlorodifluoromethane
Concen: 0.378 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

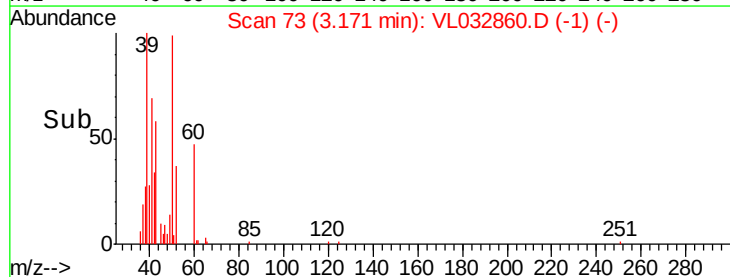
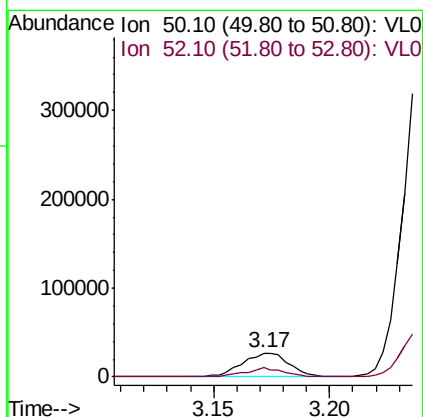
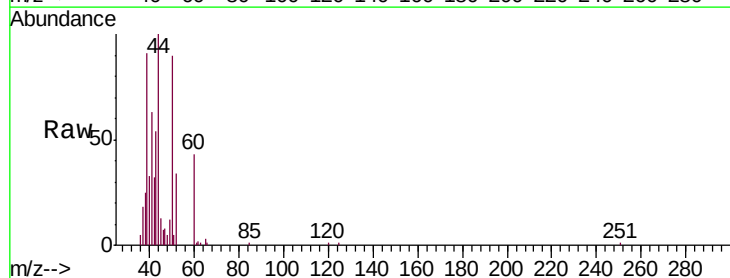
Instrument :
MSVOA_L
ClientSampleId :
DSV-03

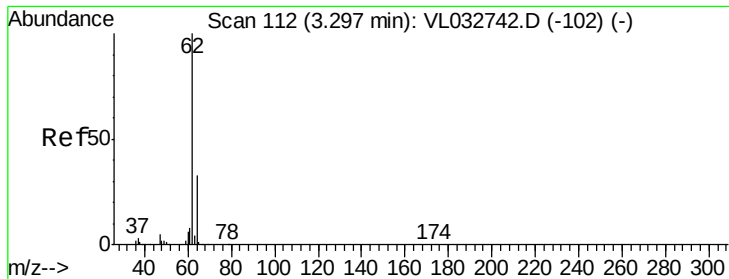
Tgt Ion: 51 Resp: 45049
Ion Ratio Lower Upper
51 100
67 16.5 16.1 24.1



#4
Chloromethane
Concen: 0.584 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 50 Resp: 38520
Ion Ratio Lower Upper
50 100
52 37.3 26.6 40.0





#5

Vinyl Chloride

Concen: 6.857 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.25 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

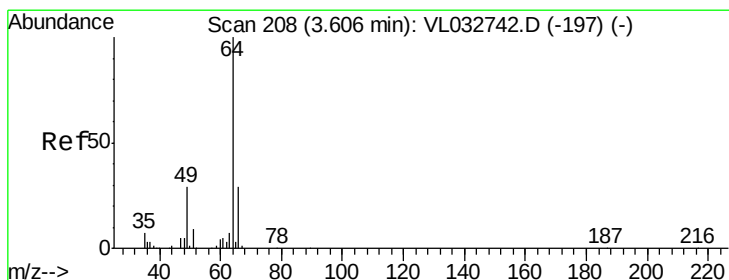
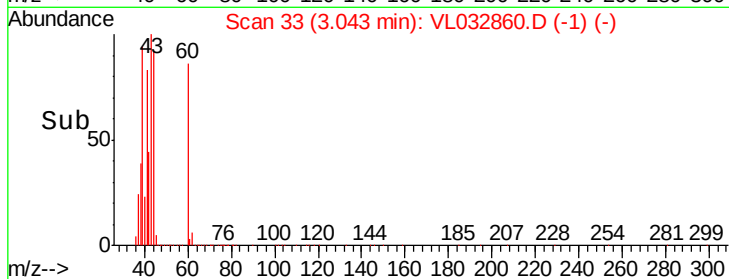
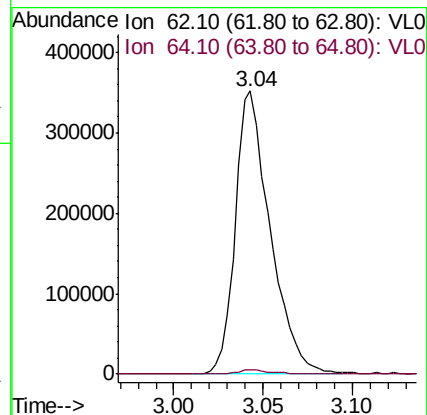
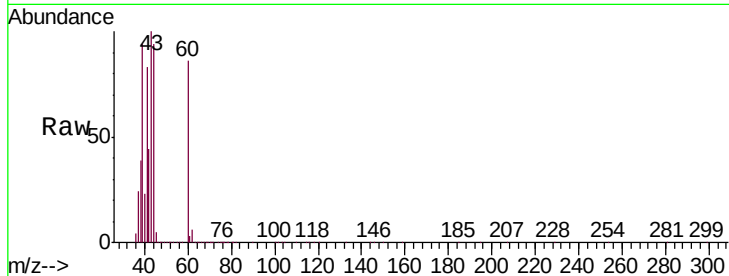
DSV-03

Tgt Ion: 62 Resp: 479519

Ion Ratio Lower Upper

62 100

64 1.4 26.2 39.4#



#7

Chloroethane

Concen: 0.050 ppbv

RT: 3.61 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL032860.D

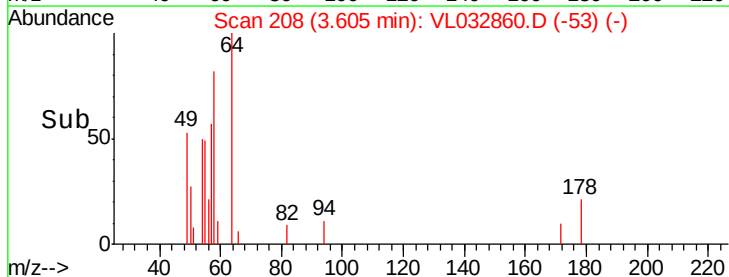
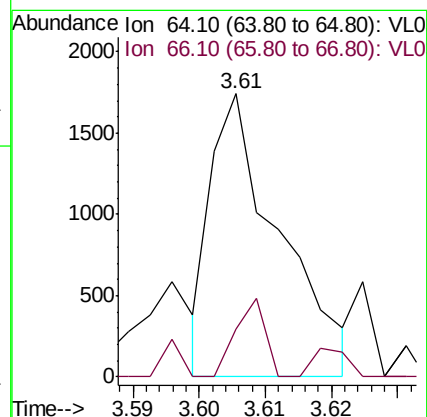
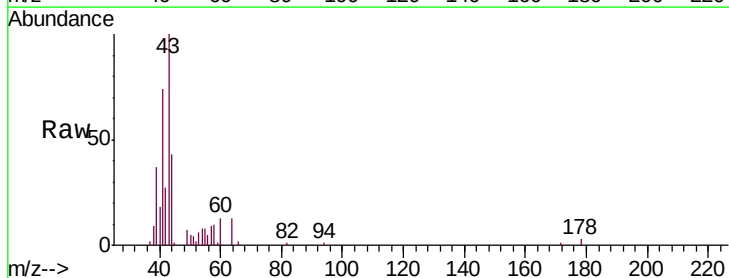
Acq: 30 Nov 2018 22:18

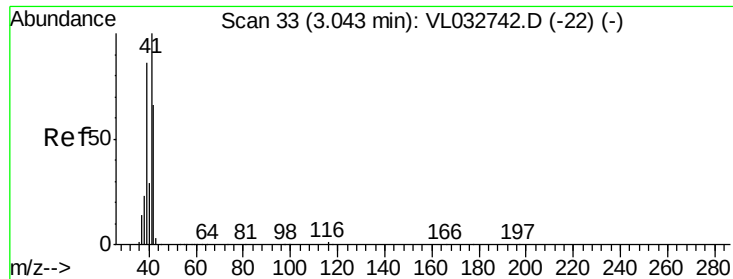
Tgt Ion: 64 Resp: 1255

Ion Ratio Lower Upper

64 100

66 17.0 23.2 34.8#





#9

Propene

Concen: 290.499 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.20 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

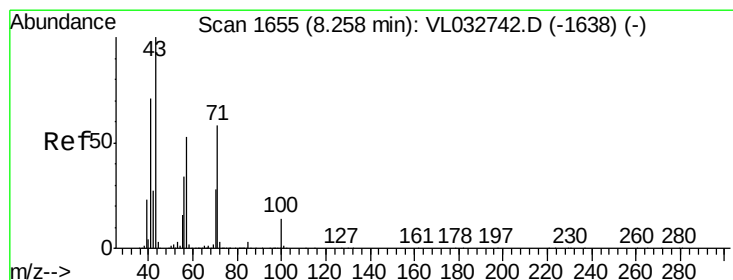
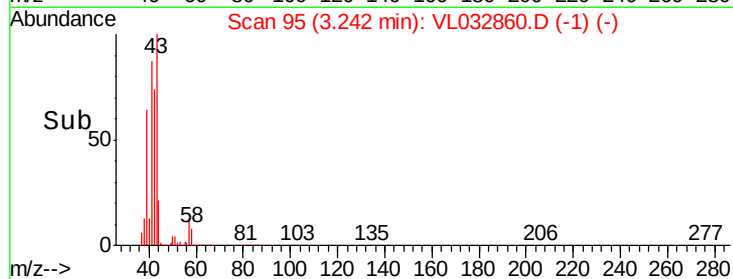
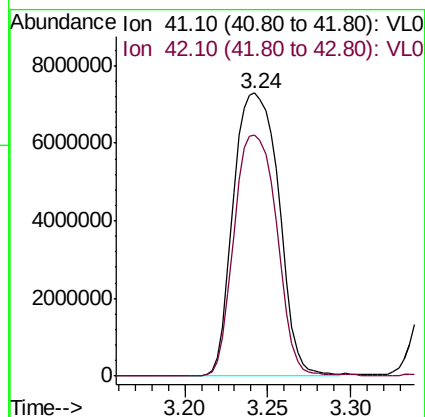
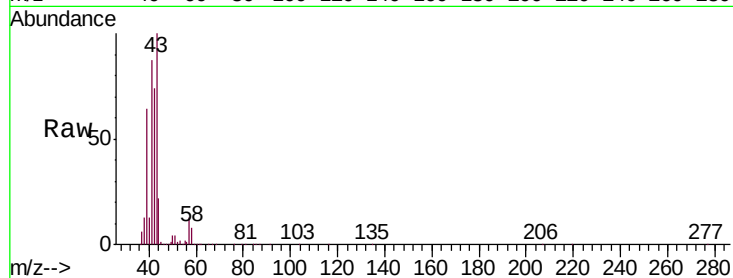
DSV-03

Tgt Ion: 41 Resp:13836406

Ion Ratio Lower Upper

41 100

42 80.4 55.0 82.6



#10

Heptane

Concen: 12.286 ppbv

RT: 8.27 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VL032860.D

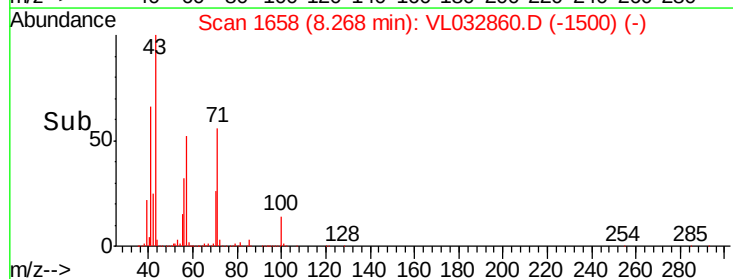
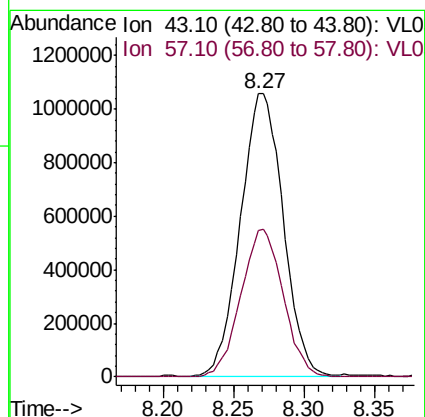
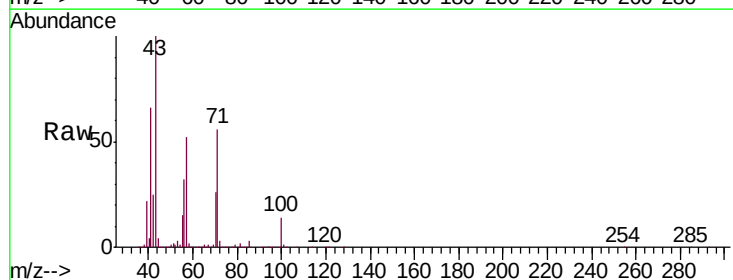
Acq: 30 Nov 2018 22:18

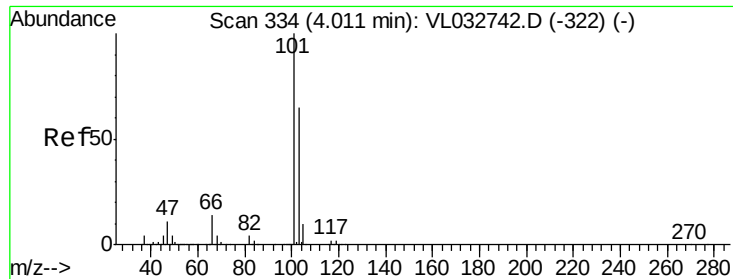
Tgt Ion: 43 Resp: 2234011

Ion Ratio Lower Upper

43 100

57 51.8 41.8 62.8





#11

Trichlorofluoromethane

Concen: 0.253 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

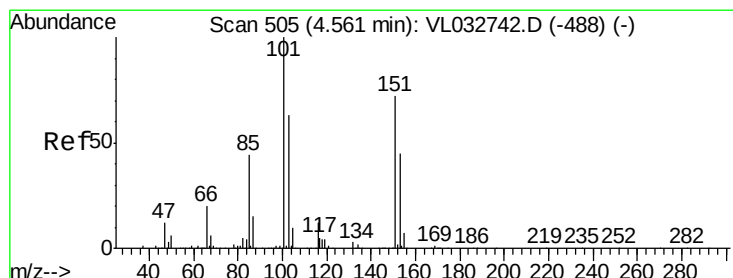
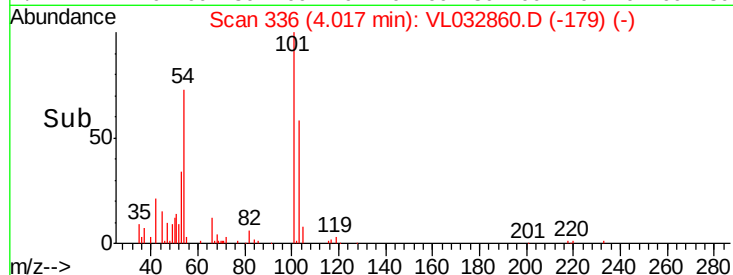
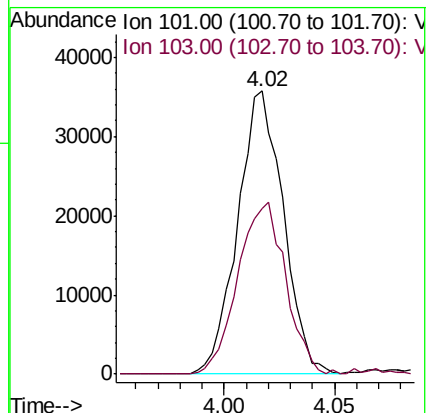
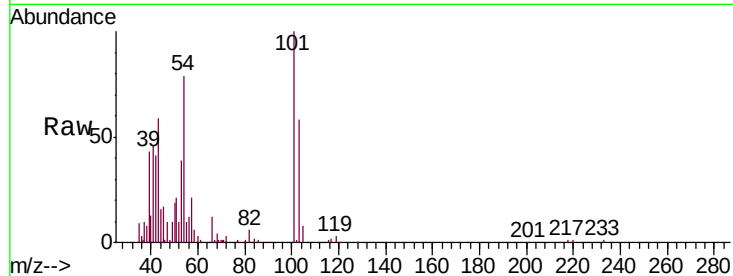
DSV-03

Tgt Ion:101 Resp: 51437

Ion Ratio Lower Upper

101 100

103 58.5 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.065 ppbv

RT: 4.57 min Scan# 509

Delta R.T. 0.01 min

Lab File: VL032860.D

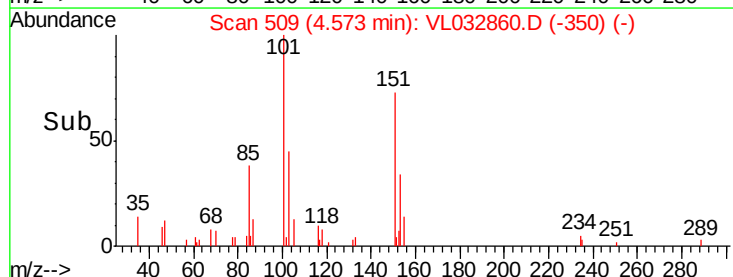
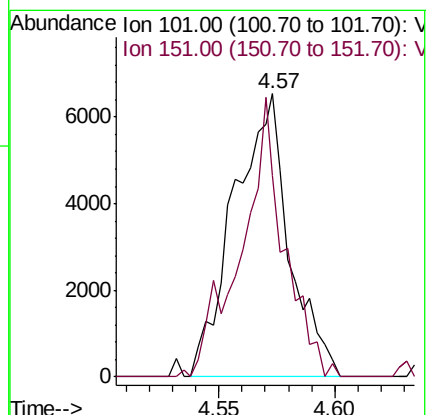
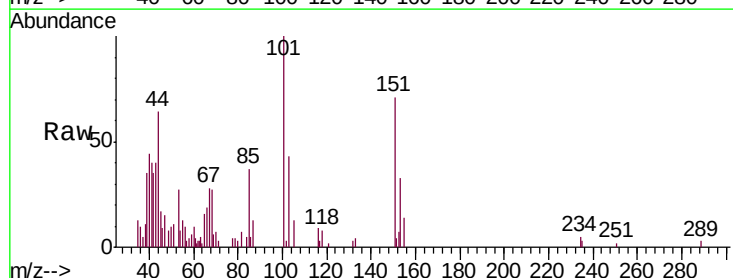
Acq: 30 Nov 2018 22:18

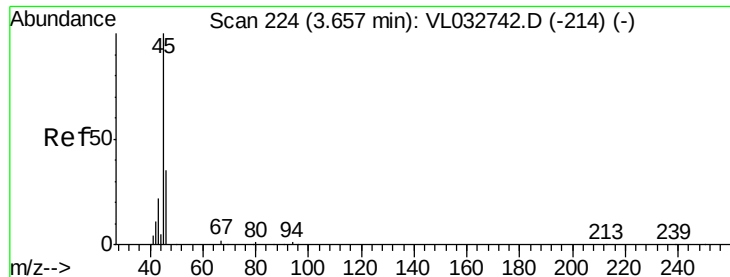
Tgt Ion:101 Resp: 10874

Ion Ratio Lower Upper

101 100

151 76.6 56.7 85.1





#13

Ethanol

Concen: 47.023 ppbv

RT: 3.66 min Scan# 224

Delta R.T. -0.00 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

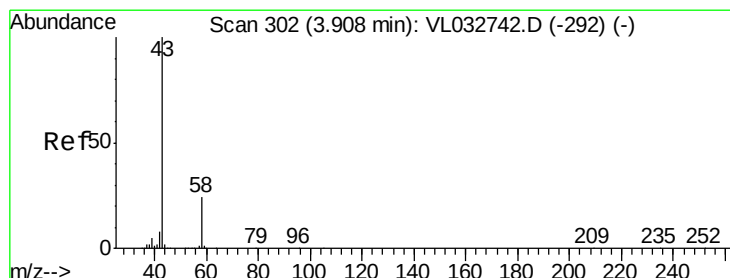
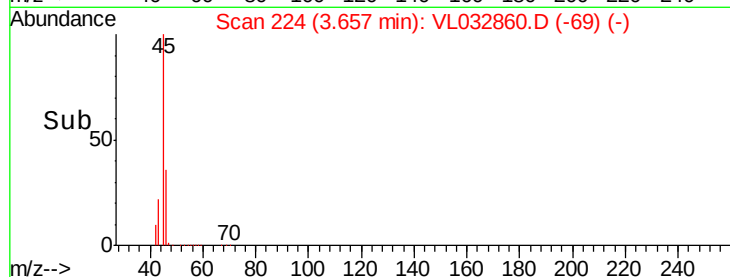
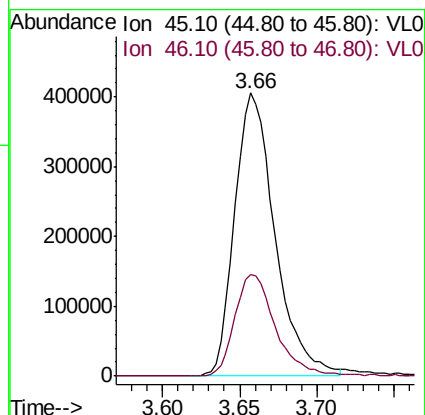
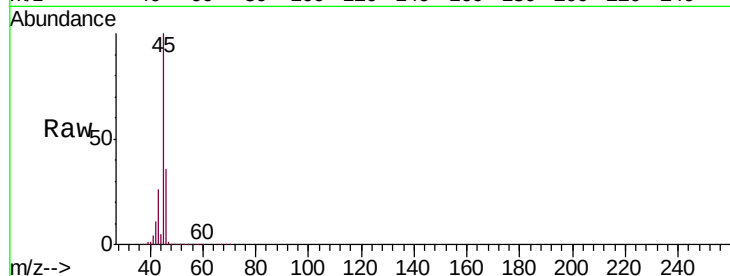
DSV-03

Tgt Ion: 45 Resp: 733598

Ion Ratio Lower Upper

45 100

46 36.7 14.5 57.9



#15

Acetone

Concen: 27.437 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032860.D

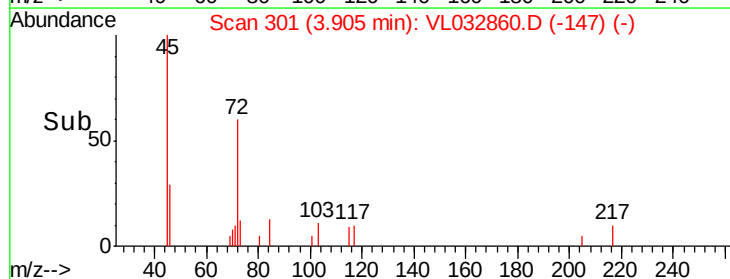
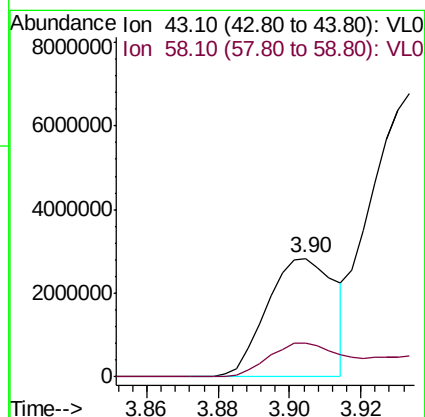
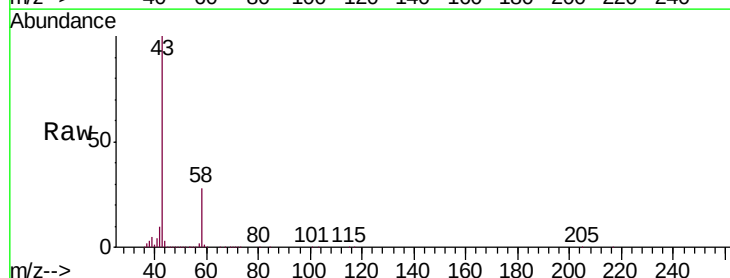
Acq: 30 Nov 2018 22:18

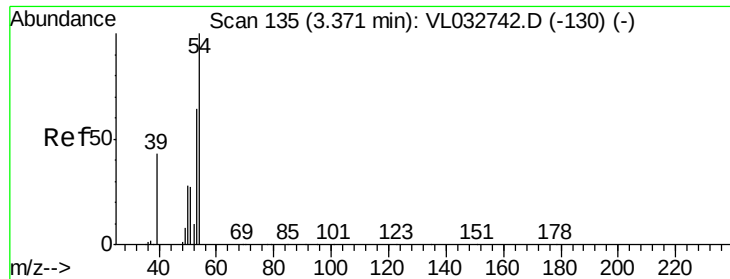
Tgt Ion: 43 Resp: 3761552

Ion Ratio Lower Upper

43 100

58 52.1 21.1 31.7#

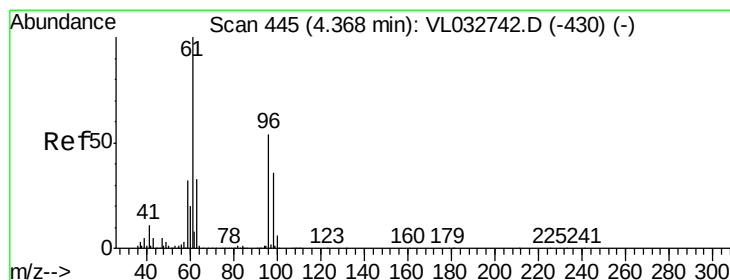
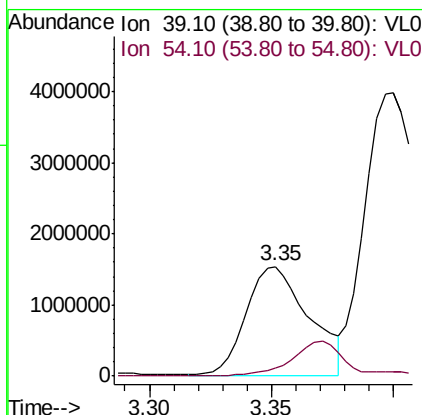
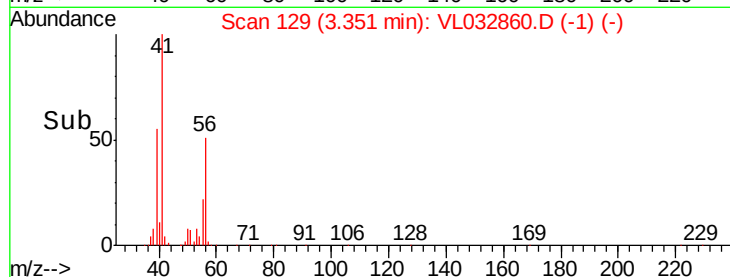
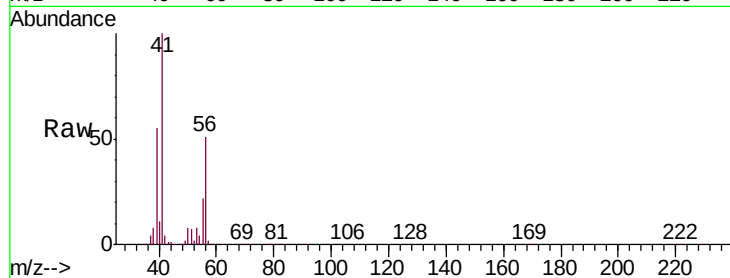




#16
 1,3-Butadiene
 Concen: 51.523 ppbv
 RT: 3.35 min Scan# 129
 Delta R.T. -0.02 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

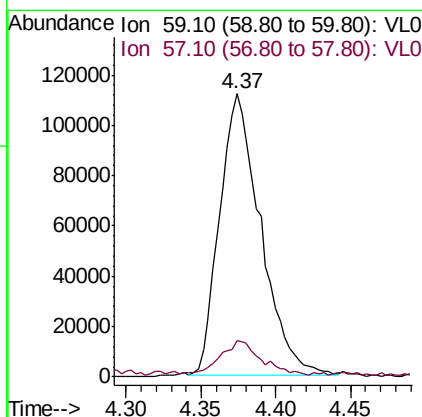
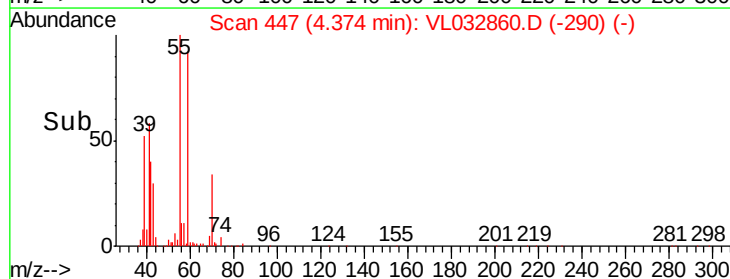
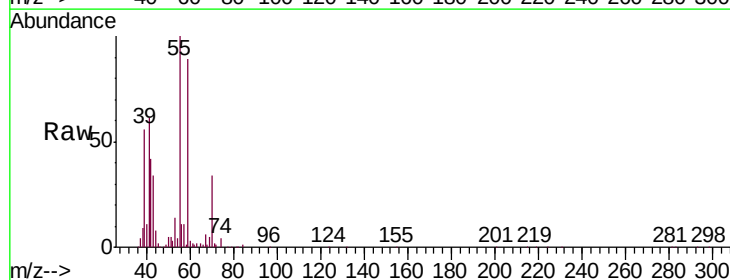
Instrument :
 MSVOA_L
 ClientSampleID :
 DSV-03

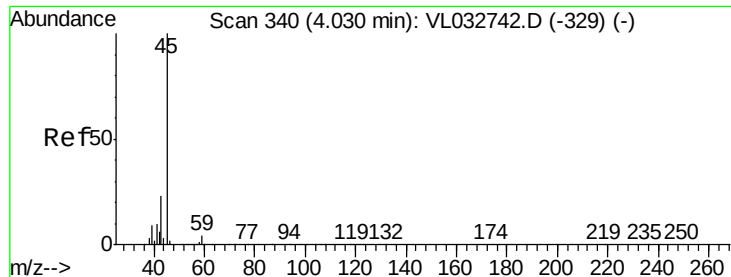
Tgt Ion: 39 Resp: 2735480
 Ion Ratio Lower Upper
 39 100
 54 28.9 68.9 103.3#



#17
 tert-Butyl alcohol
 Concen: 4.955 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.01 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion: 59 Resp: 213060
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 0.410 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

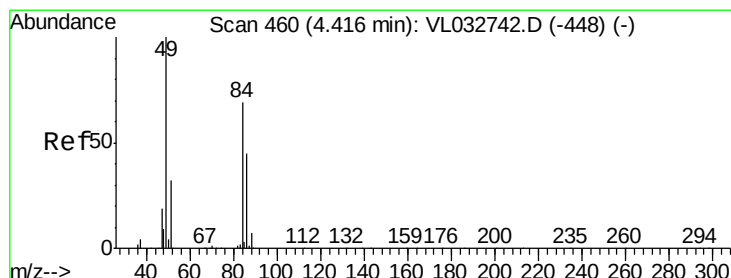
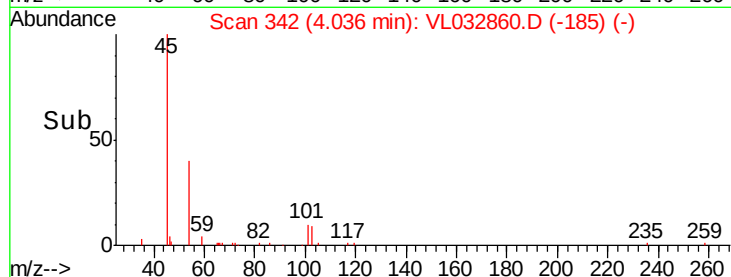
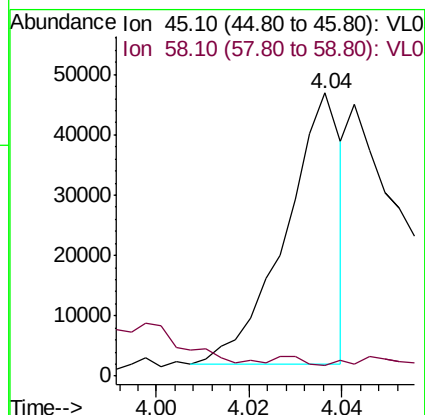
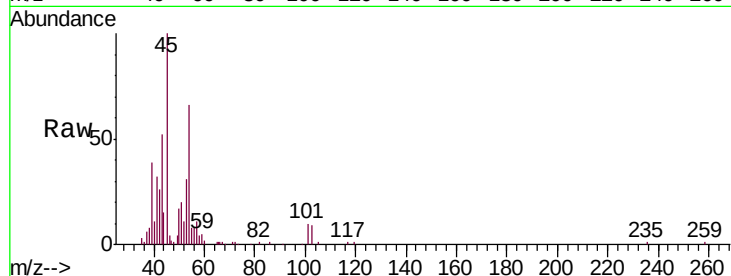
DSV-03

Tgt Ion: 45 Resp: 37429

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



#20

Methylene Chloride

Concen: 3.900 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Tgt Ion: 84 Resp: 276773

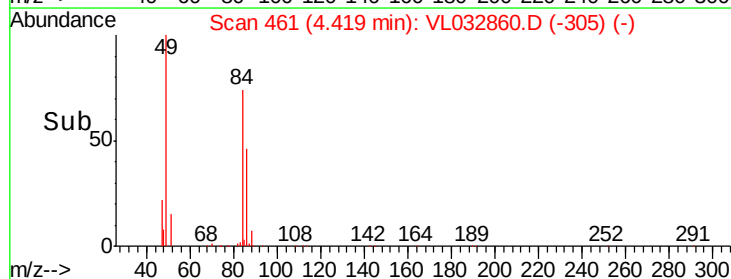
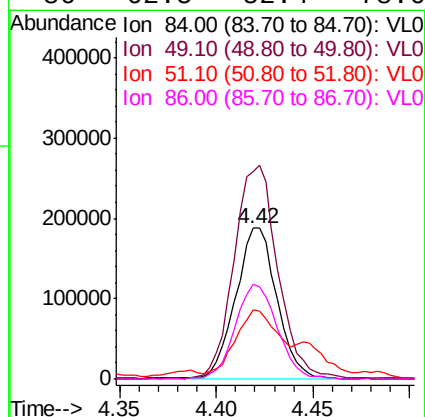
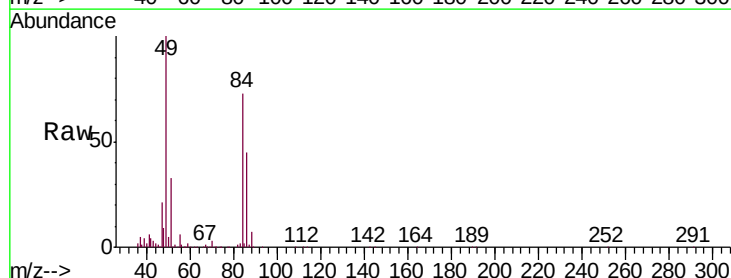
Ion Ratio Lower Upper

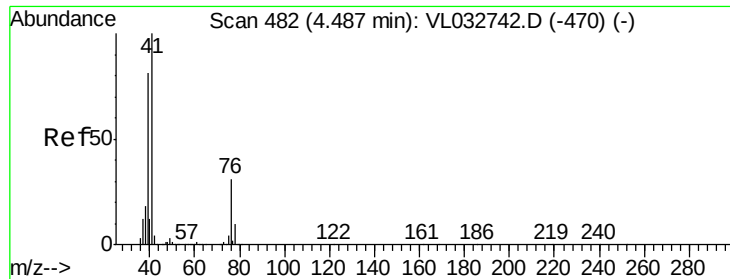
84 100

49 137.1 115.8 173.6

51 39.6 36.9 55.3

86 62.5 52.4 78.6

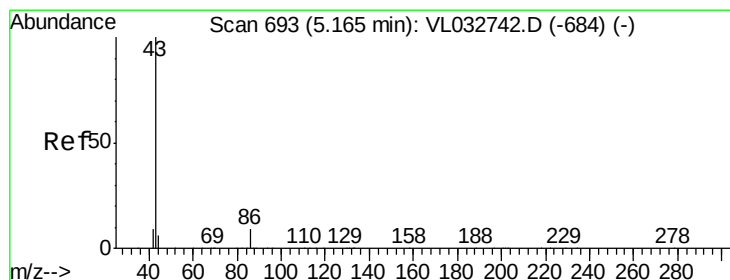
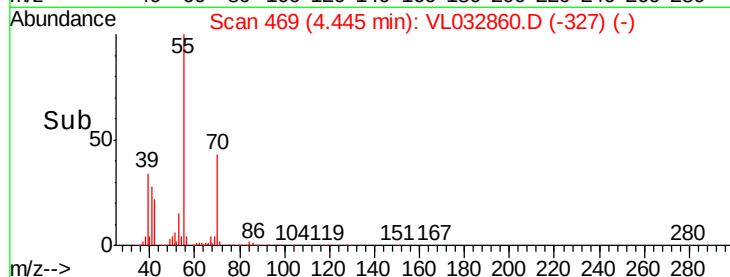
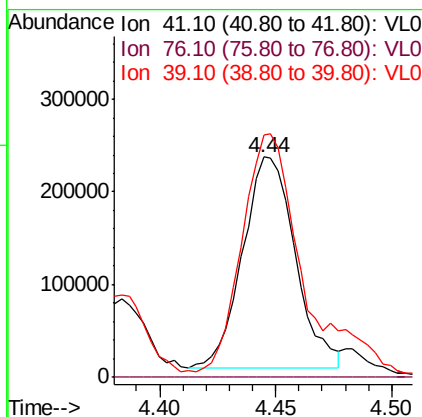
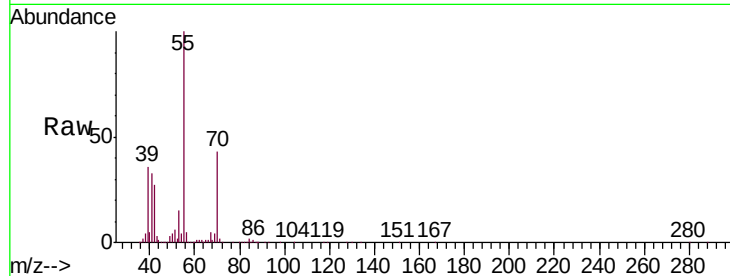




#21
 Allyl Chloride
 Concen: 3.124 ppbv
 RT: 4.44 min Scan# 469
 Delta R.T. -0.04 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

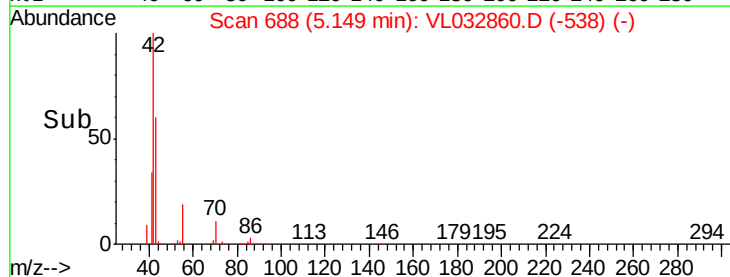
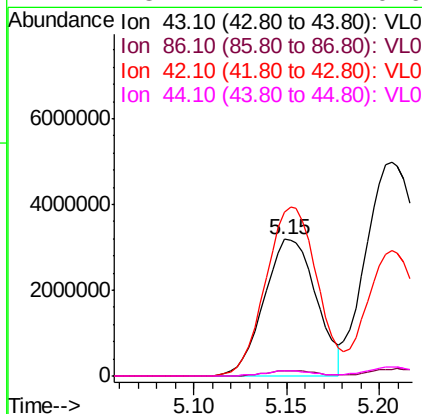
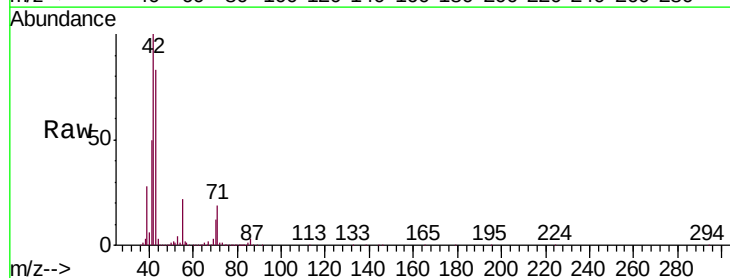
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03

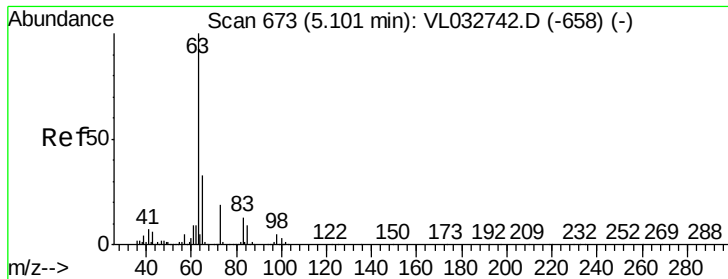
Tgt Ion: 41 Resp: 359868
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.4 36.6#
 39 135.1 63.5 95.3#



#23
 Vinyl Acetate
 Concen: 24.977 ppbv
 RT: 5.15 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion: 43 Resp: 6241949
 Ion Ratio Lower Upper
 43 100
 86 3.9 6.2 9.4#
 42 120.0 7.8 11.6#
 44 3.7 4.4 6.6#





#24

1,1-Dichloroethane

Concen: 0.035 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03

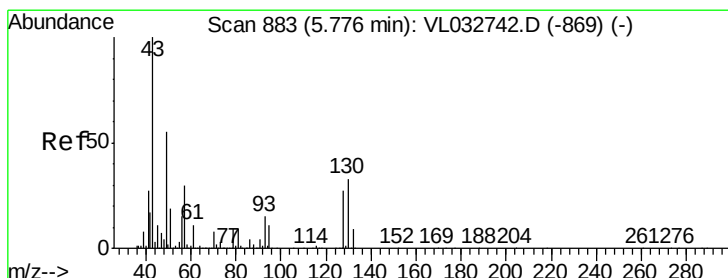
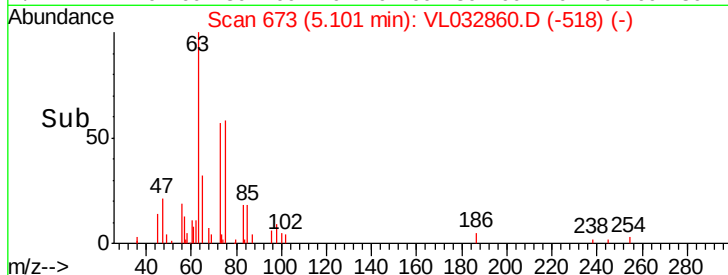
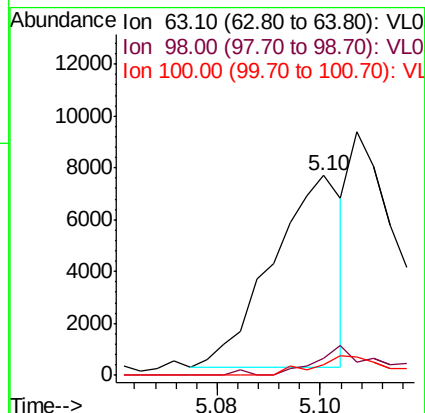
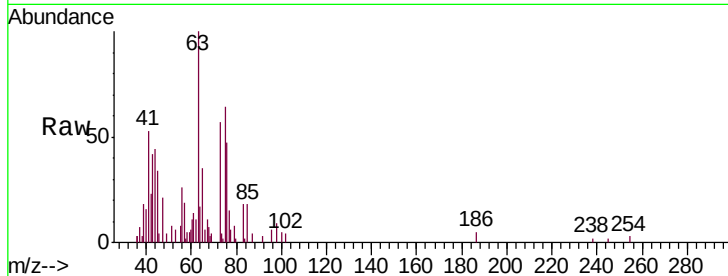
Tgt Ion: 63 Resp: 6949

Ion Ratio Lower Upper

63 100

98 8.9 2.3 6.8#

100 5.4 1.4 4.2#



#25

Ethyl Acetate

Concen: 10.679 ppbv

RT: 5.80 min Scan# 890

Delta R.T. 0.02 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Tgt Ion: 43 Resp: 3412358

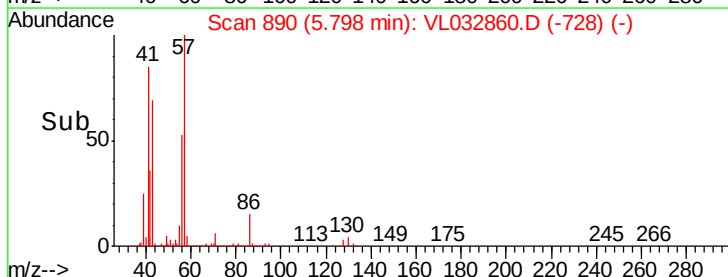
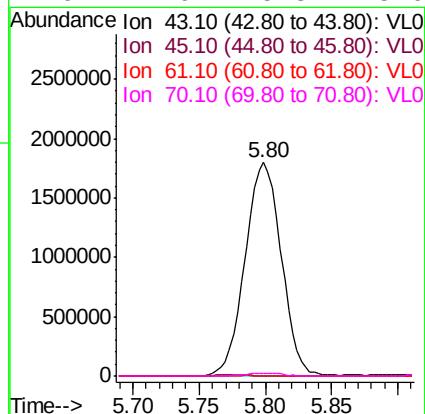
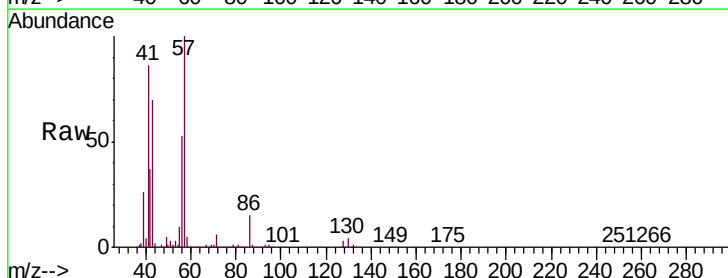
Ion Ratio Lower Upper

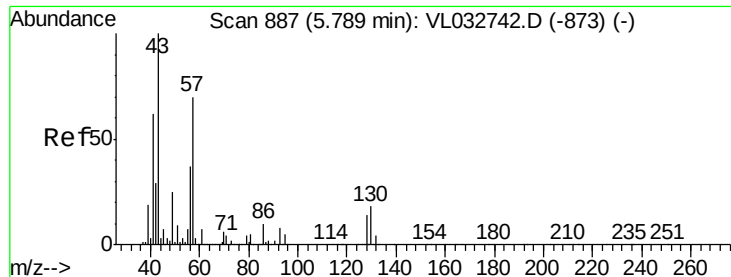
43 100

45 0.7 7.9 11.9#

61 0.4 7.8 11.6#

70 1.6 5.8 8.6#



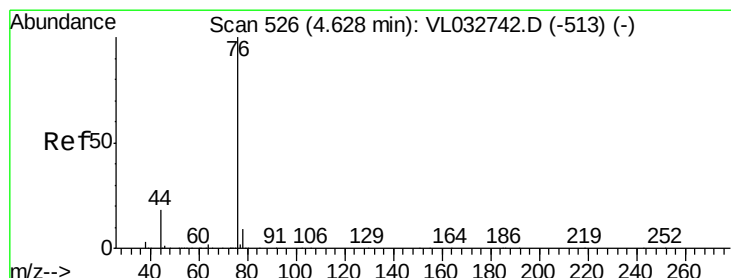
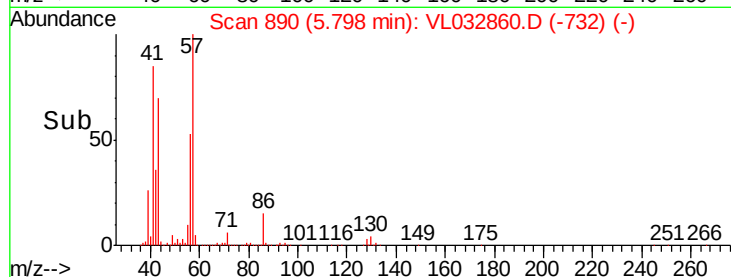
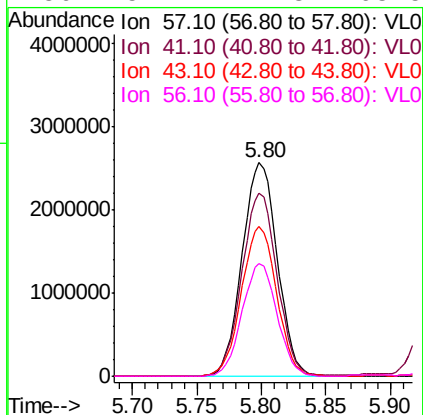
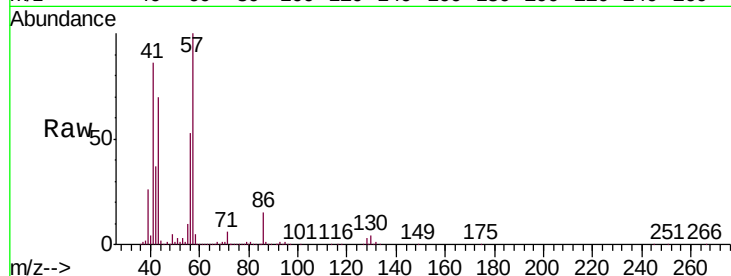


#26
Hexane
Concen: 34.176 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Instrument :
MSVOA_L
ClientSampleId :
DSV-03

Tgt Ion: 57 Resp: 4861189

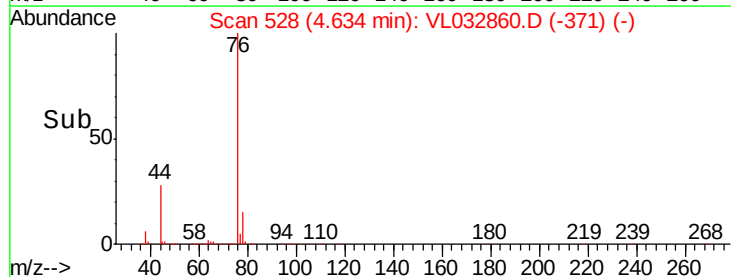
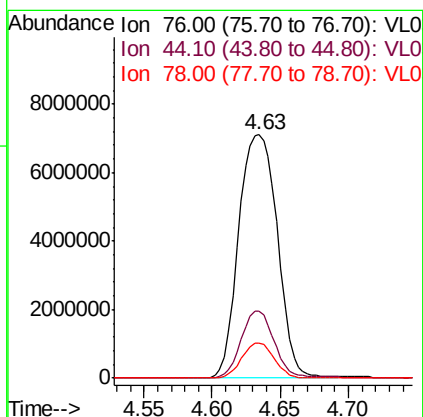
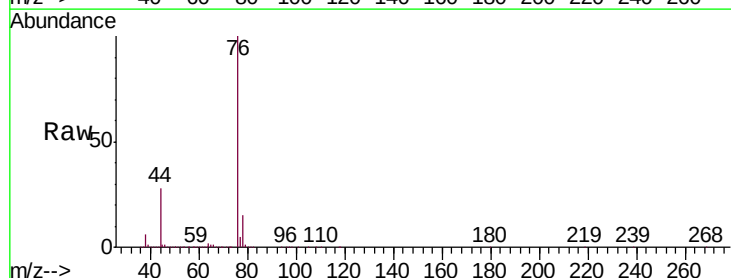
Ion	Ratio	Lower	Upper
57	100		
41	86.2	70.3	105.5
43	70.3	174.0	261.0#
56	52.7	42.3	63.5

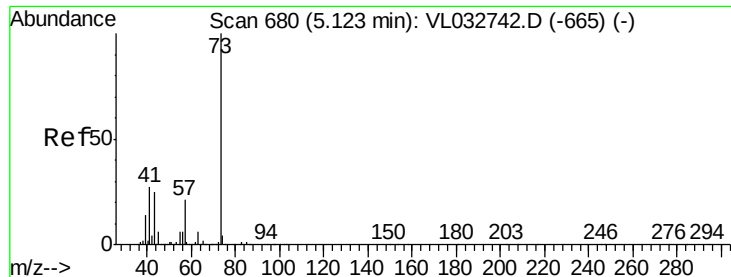


#27
Carbon Disulfide
Concen: 77.574 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 76 Resp: 13991482

Ion	Ratio	Lower	Upper
76	100		
44	24.1	14.4	21.6#
78	12.1	7.7	11.5#



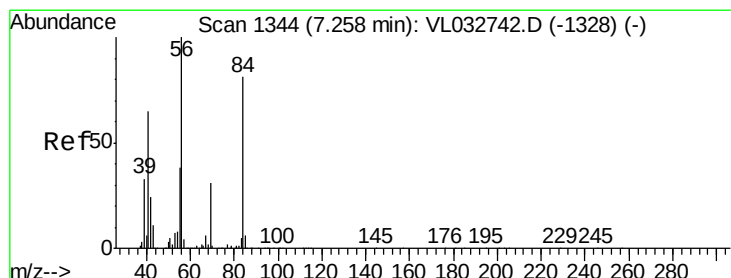
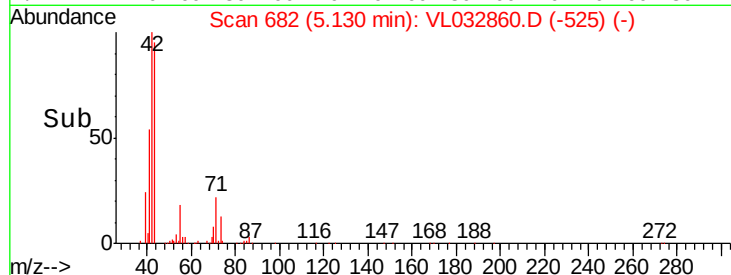
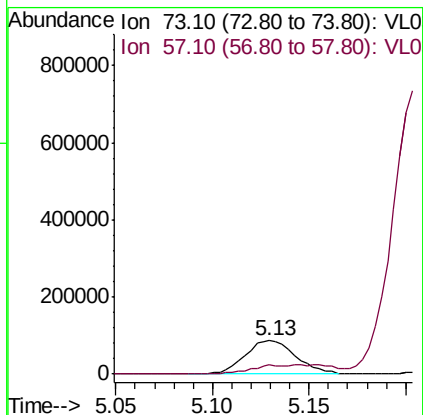
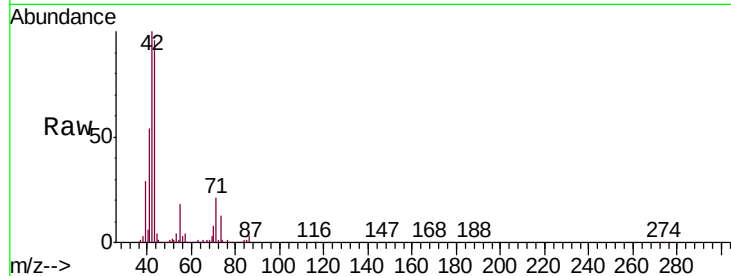


#28

Methyl tert-Butyl Ether
 Concen: 0.696 ppbv
 RT: 5.13 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03

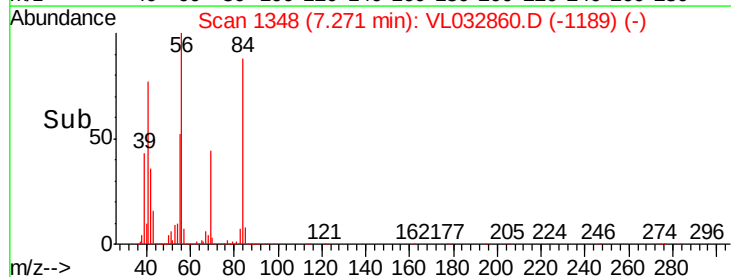
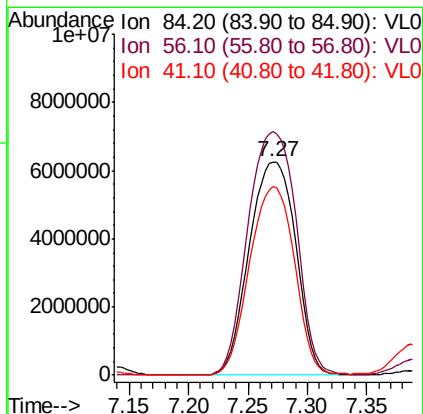
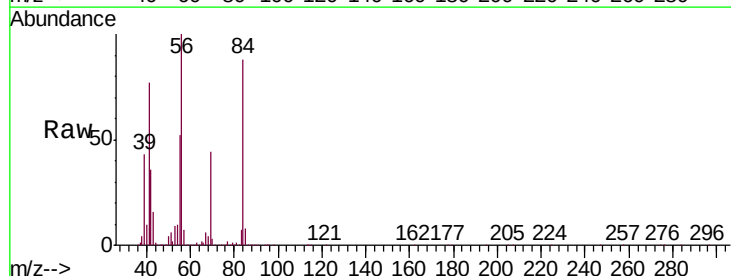
Tgt Ion: 73 Resp: 157769
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.5 26.3#

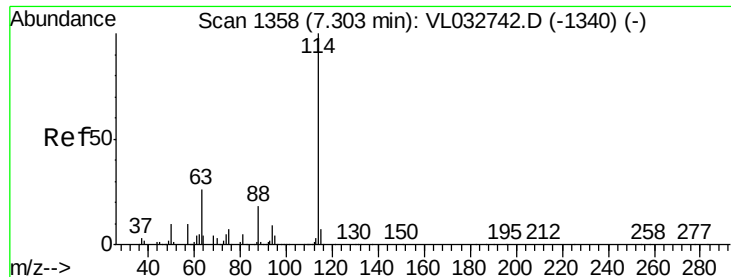


#30

Cyclohexane
 Concen: 136.579 ppbv
 RT: 7.27 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion: 84 Resp: 16991528
 Ion Ratio Lower Upper
 84 100
 56 118.7 105.0 157.4
 41 85.1 65.3 97.9

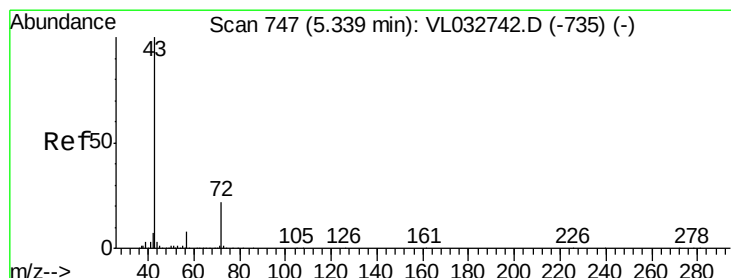
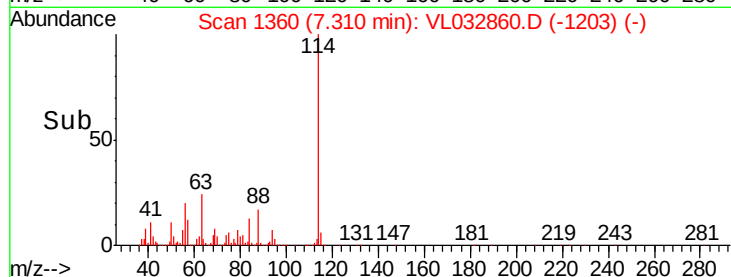
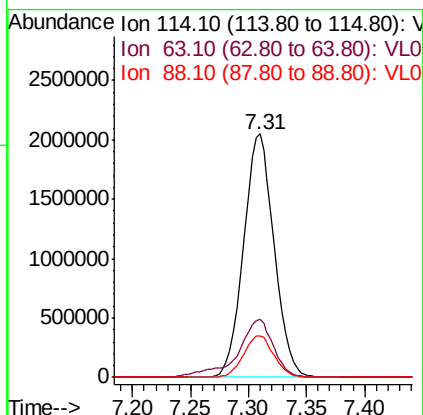
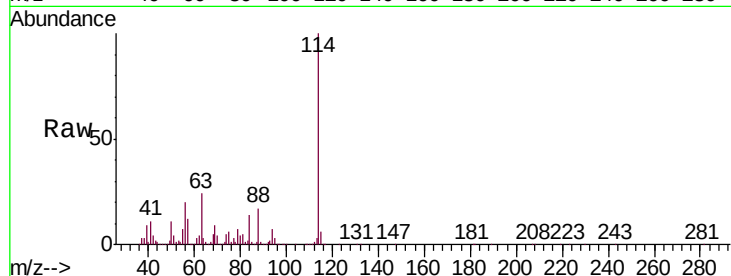




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

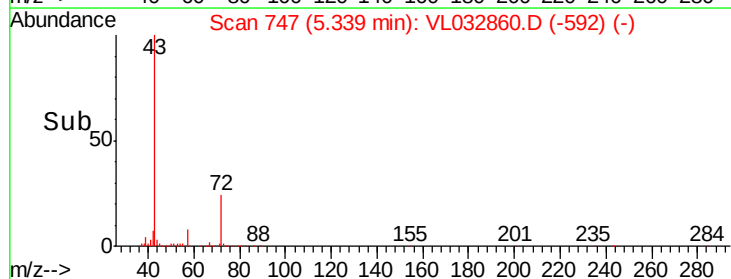
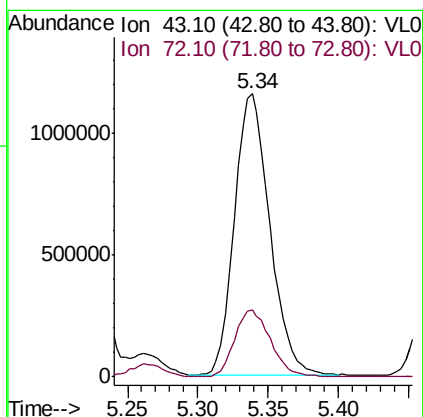
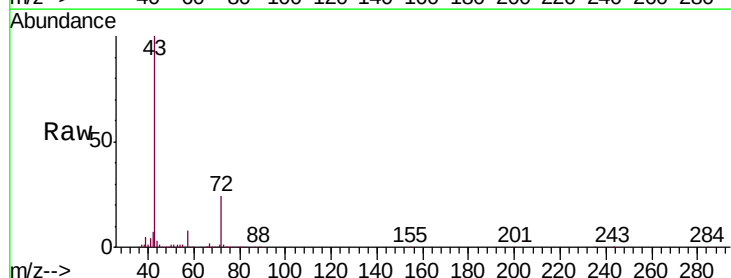
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03

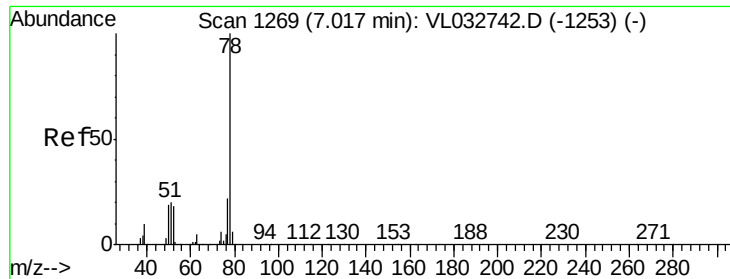
Tgt Ion: 114 Resp: 3749208
 Ion Ratio Lower Upper
 114 100
 63 28.2 20.9 31.3
 88 17.1 14.4 21.6



#34
 2-Butanone
 Concen: 10.447 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion: 43 Resp: 2031574
 Ion Ratio Lower Upper
 43 100
 72 24.4 18.4 27.6

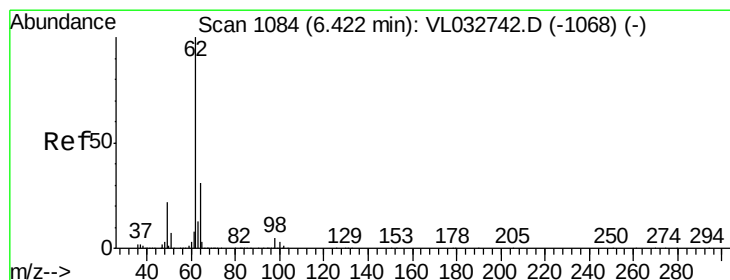
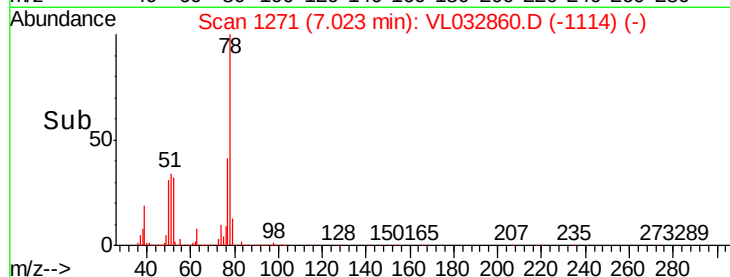
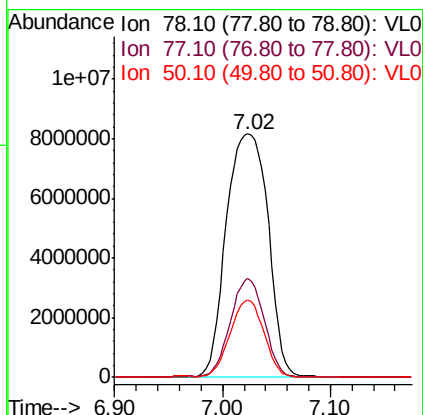
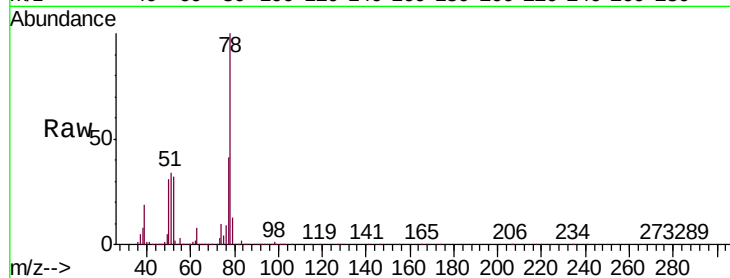




#36
Benzene
Concen: 73.639 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

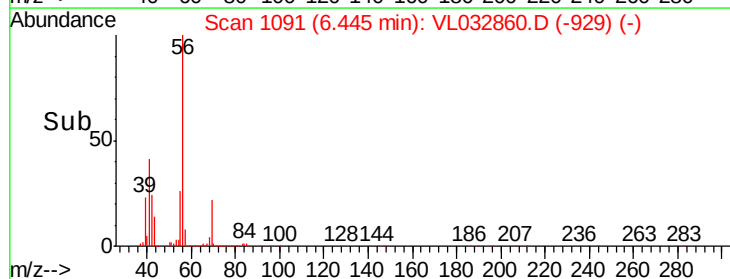
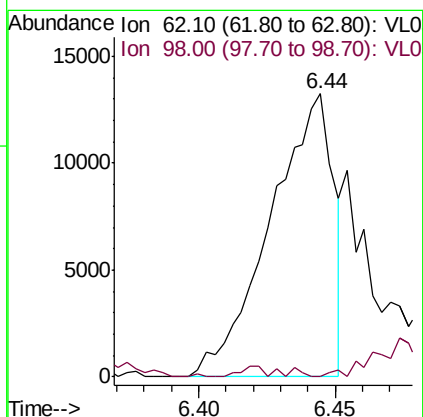
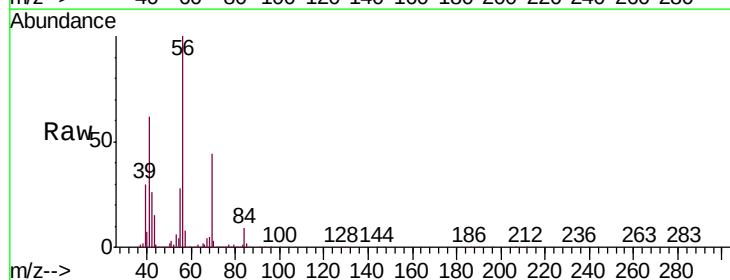
Instrument :
MSVOA_L
ClientSampleId :
DSV-03

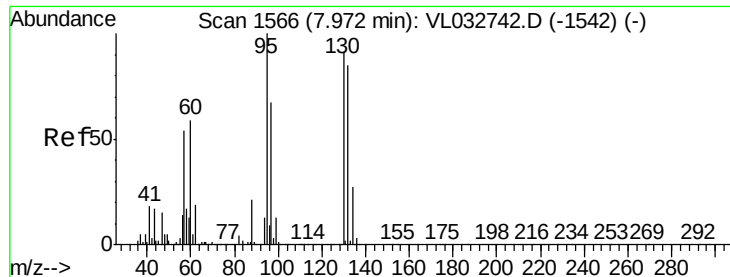
Tgt Ion: 78 Resp: 21985251
Ion Ratio Lower Upper
78 100
77 40.8 17.8 26.8#
50 31.4 15.4 23.0#



#37
1,2-Dichloroethane
Concen: 0.106 ppbv
RT: 6.44 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 62 Resp: 21256
Ion Ratio Lower Upper
62 100
98 2.5 4.5 6.7#





#38

Trichloroethene

Concen: 0.041 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03

Tgt Ion:130 Resp: 4895

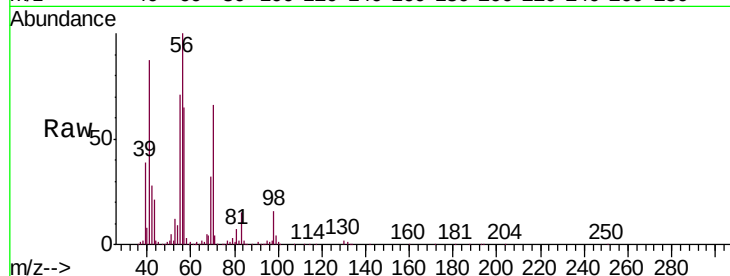
Ion Ratio Lower Upper

130 100

95 86.3 87.7 131.5#

132 74.2 74.6 111.8#

97 0.0 58.3 87.5#

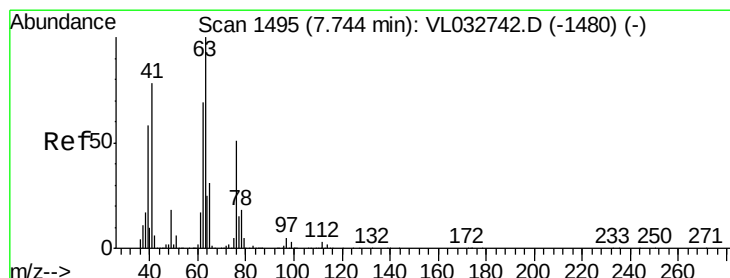
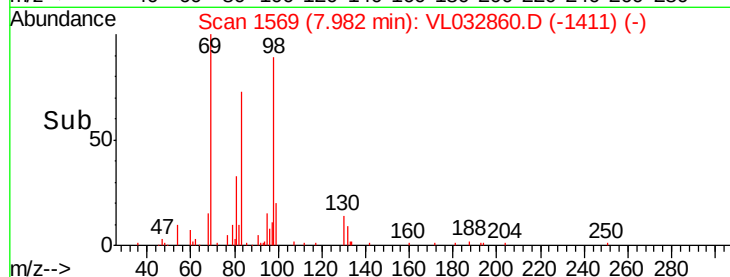
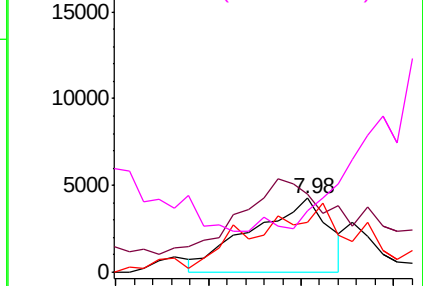


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.113 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. 0.26 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

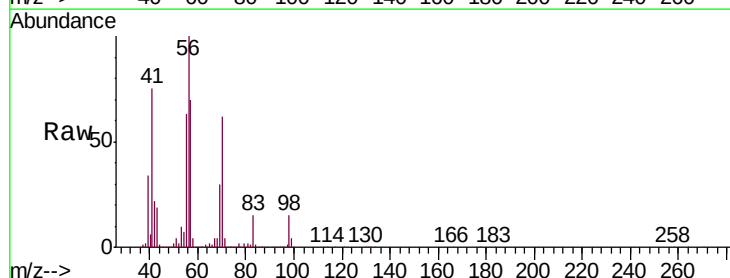
Tgt Ion: 63 Resp: 12799

Ion Ratio Lower Upper

63 100

41 5885.5 62.0 93.0#

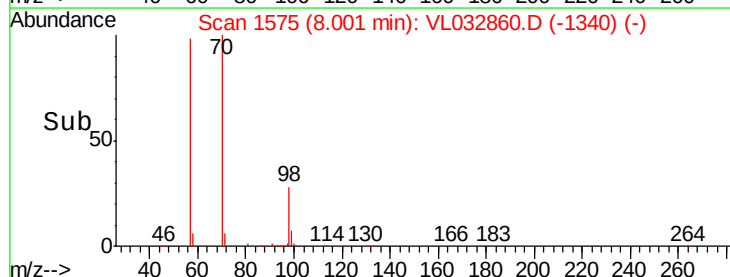
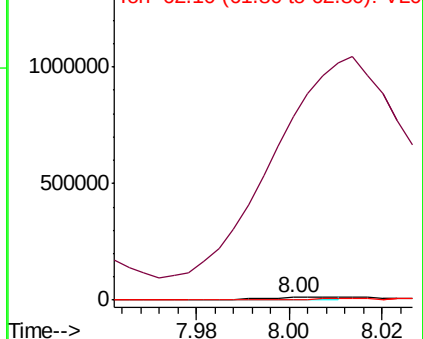
62 25.7 55.4 83.2#

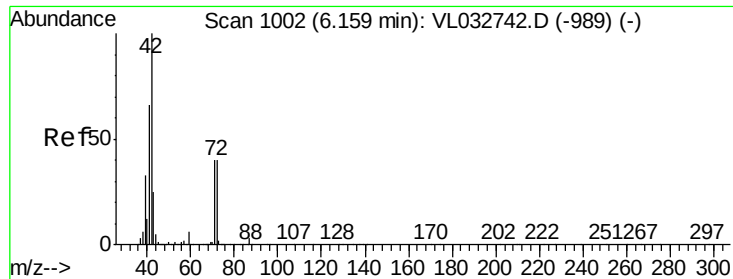


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.294 ppbv

RT: 6.23 min Scan# 1025

Delta R.T. 0.07 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03

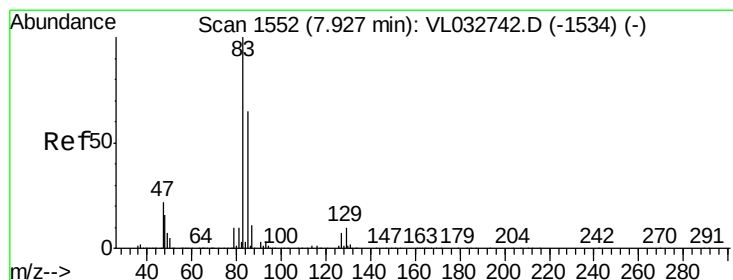
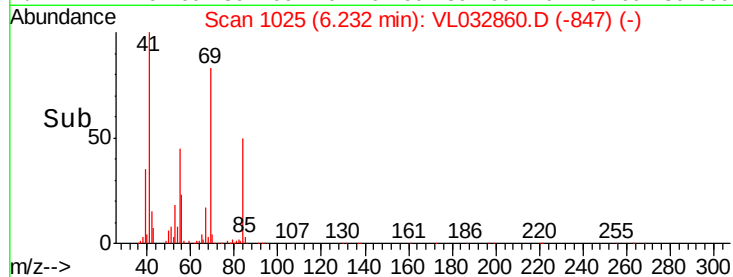
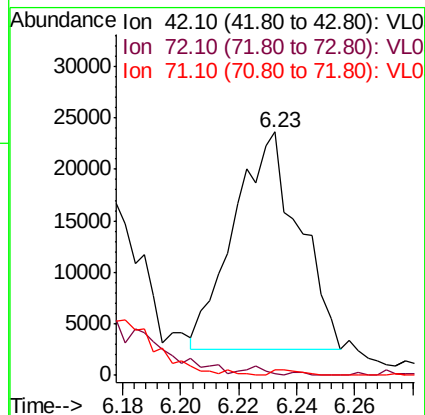
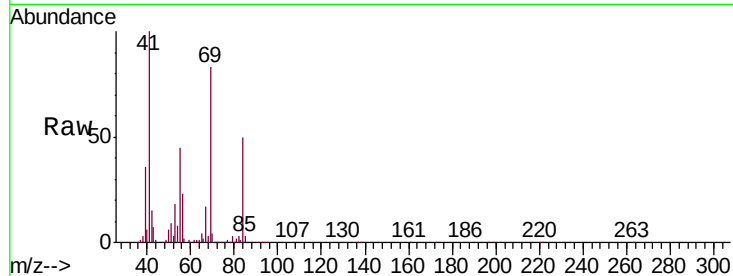
Tgt Ion: 42 Resp: 32827

Ion Ratio Lower Upper

42 100

72 2.2 32.4 48.6#

71 0.0 31.6 47.4#



#42

Bromodichloromethane

Concen: 2.131 ppbv

RT: 7.94 min Scan# 1555

Delta R.T. 0.01 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

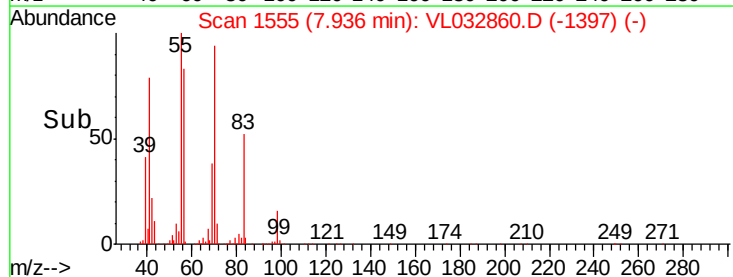
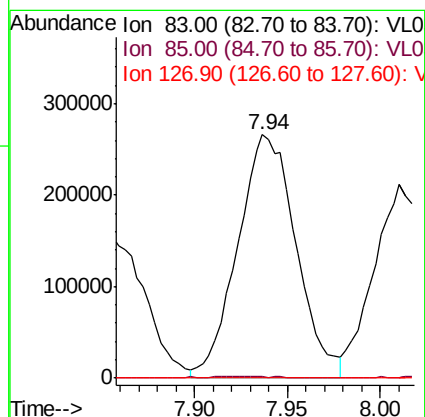
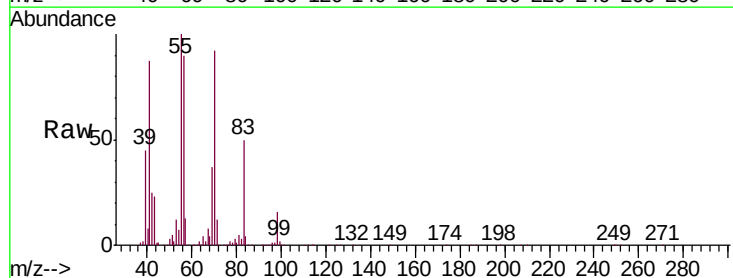
Tgt Ion: 83 Resp: 580581

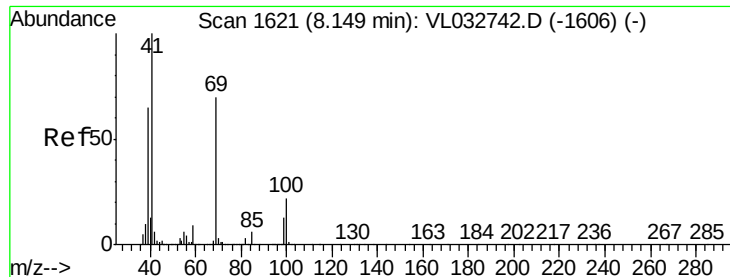
Ion Ratio Lower Upper

83 100

85 0.5 51.8 77.8#

127 0.0 5.9 8.9#

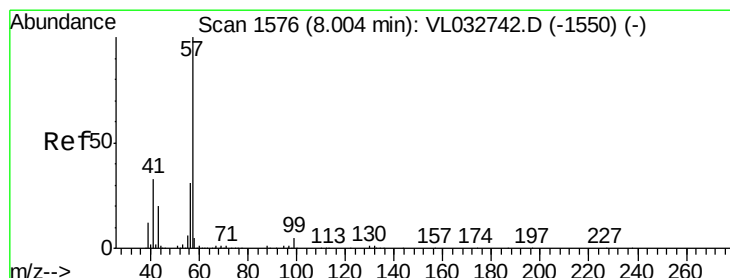
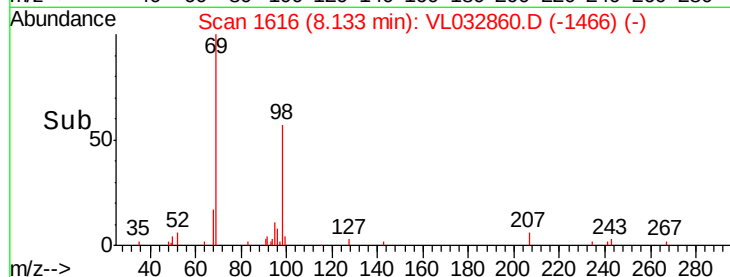
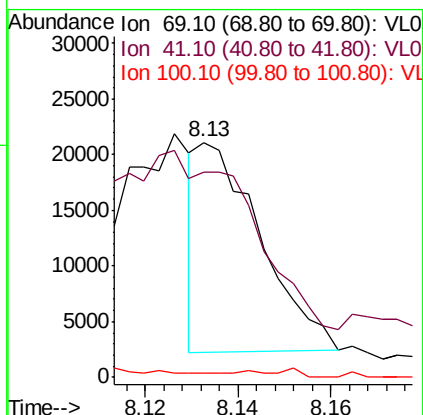
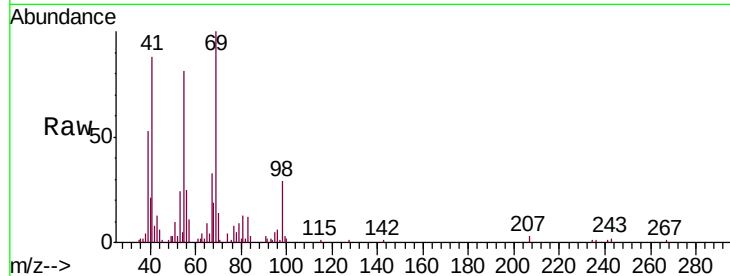




#43
Methyl Methacrylate
Concen: 0.157 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.02 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

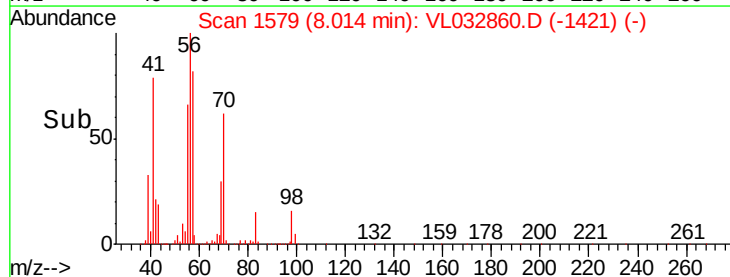
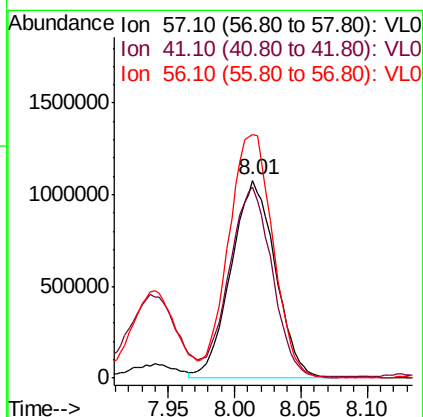
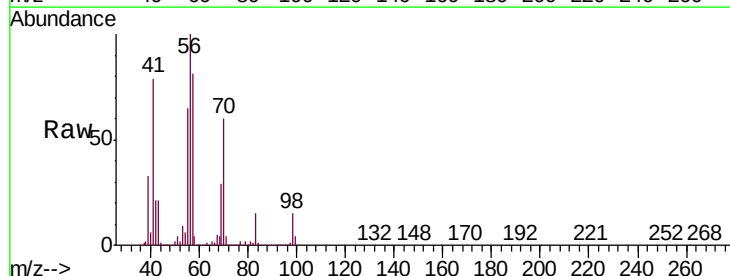
Instrument :
MSVOA_L
ClientSampleId :
DSV-03

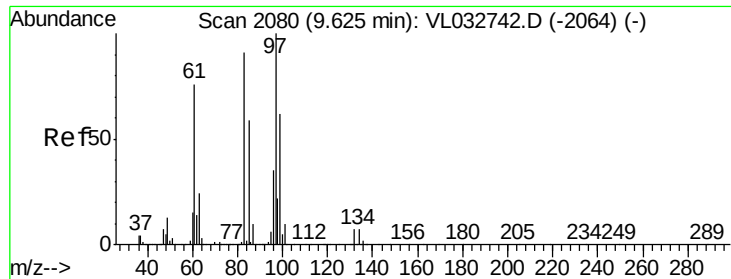
Tgt Ion: 69 Resp: 17496
Ion Ratio Lower Upper
69 100
41 0.0 115.0 172.4#
100 0.0 25.4 38.0#



#44
2,2,4-Trimethylpentane
Concen: 4.973 ppbv
RT: 8.01 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 57 Resp: 2481109
Ion Ratio Lower Upper
57 100
41 94.1 26.6 39.8#
56 124.6 24.8 37.2#

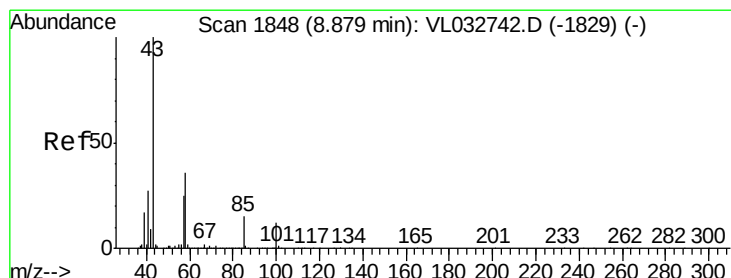
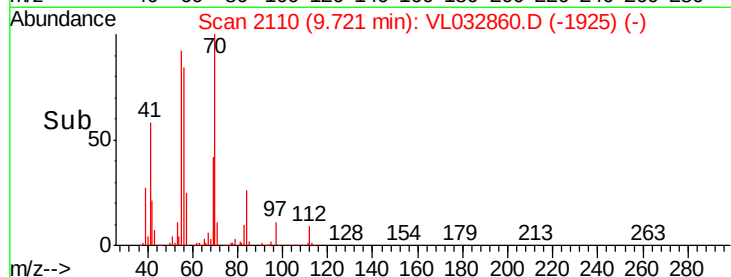
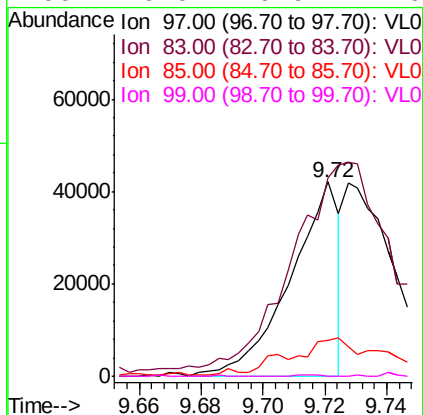
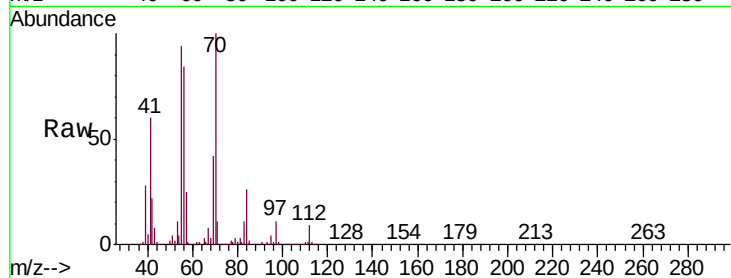




#47
 1,1,2-Trichloroethane
 Concen: 0.340 ppbv
 RT: 9.72 min Scan# 2110
 Delta R.T. 0.10 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

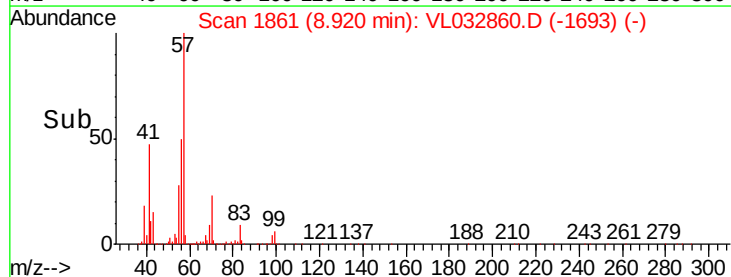
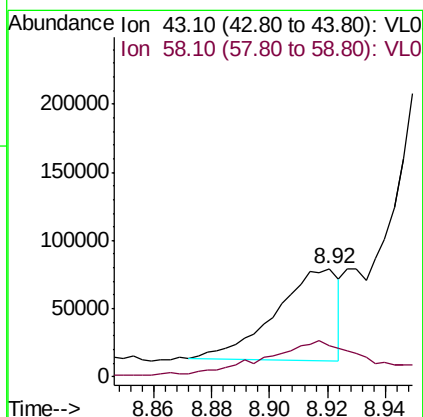
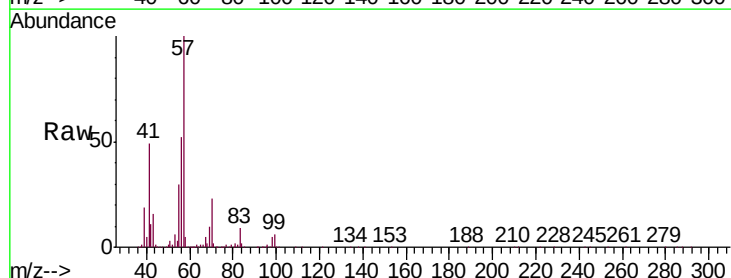
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03

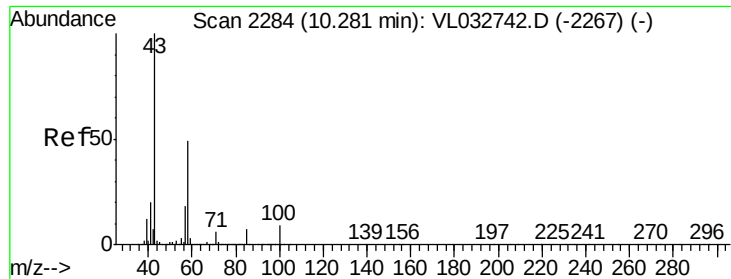
Tgt Ion: 97 Resp: 45738
 Ion Ratio Lower Upper
 97 100
 83 96.9 73.0 109.4
 85 17.5 47.0 70.4#
 99 0.0 49.9 74.9#



#50
 4-Methyl-2-Pentanone
 Concen: 0.334 ppbv
 RT: 8.92 min Scan# 1861
 Delta R.T. 0.04 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion: 43 Resp: 101308
 Ion Ratio Lower Upper
 43 100
 58 66.8 28.8 43.2#

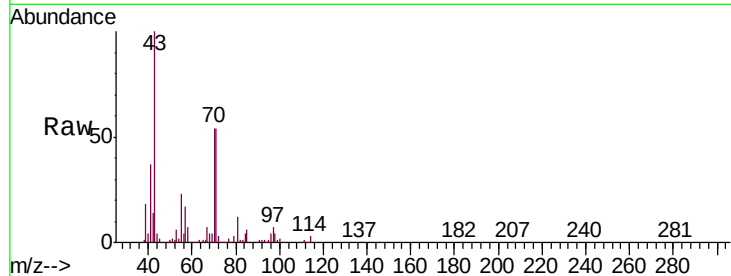




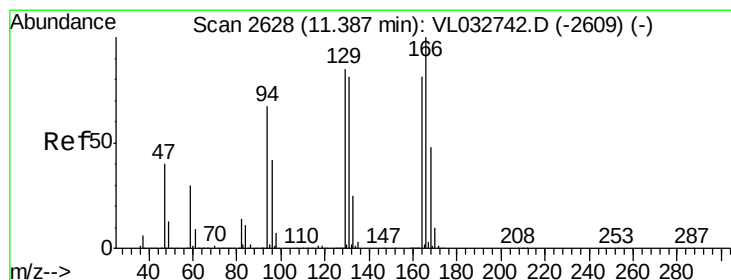
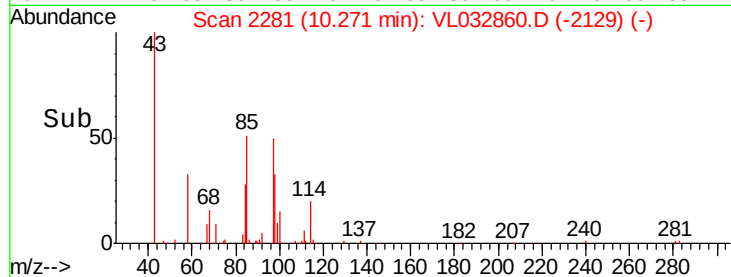
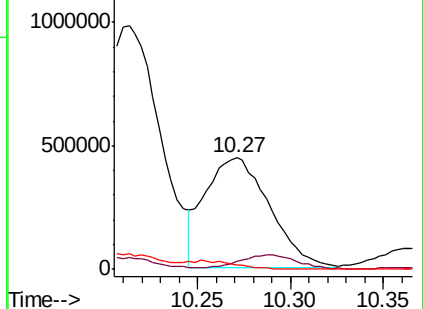
#51
2-Hexanone
Concen: 5.485 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Instrument :
MSVOA_L
ClientSampleId :
DSV-03

Tgt Ion: 43 Resp: 1073252
Ion Ratio Lower Upper
43 100
58 12.1 38.9 58.3#
98 5.9 0.2 0.4#

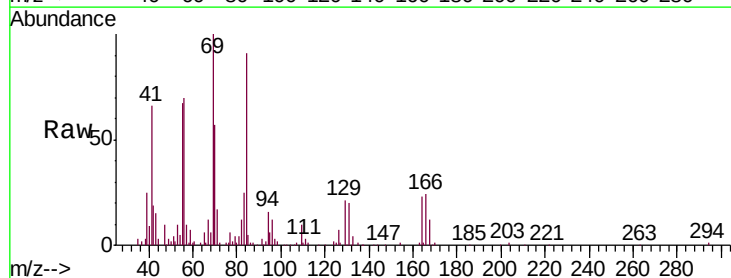


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

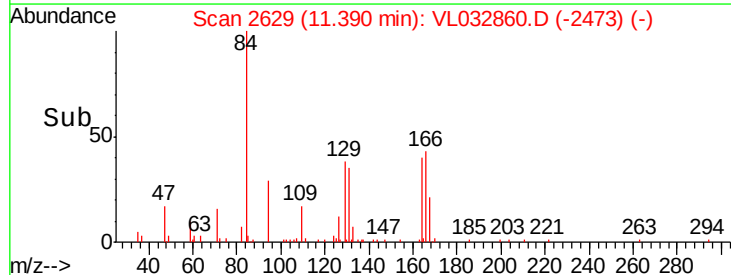
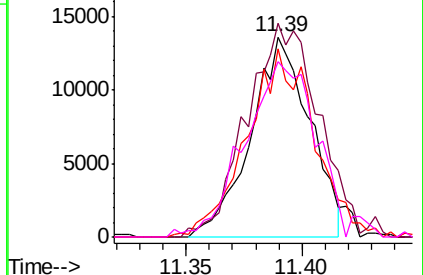


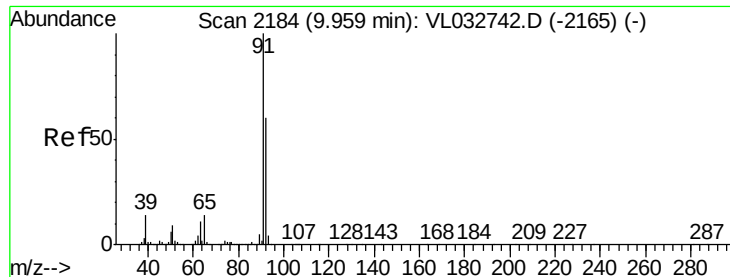
#52
Tetrachloroethene
Concen: 0.232 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 164 Resp: 24075
Ion Ratio Lower Upper
164 100
166 97.7 99.3 148.9#
129 88.9 83.9 125.9
131 80.8 80.8 121.2#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 48.424 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

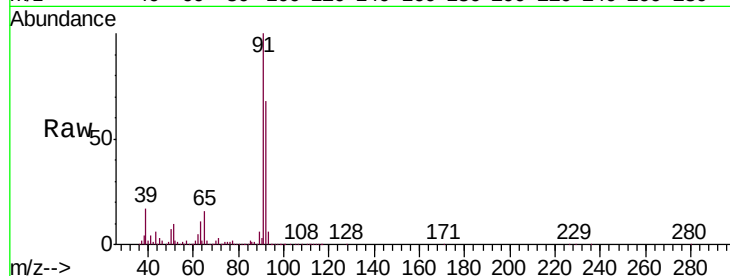
DSV-03

Tgt Ion: 91 Resp:15082287

Ion Ratio Lower Upper

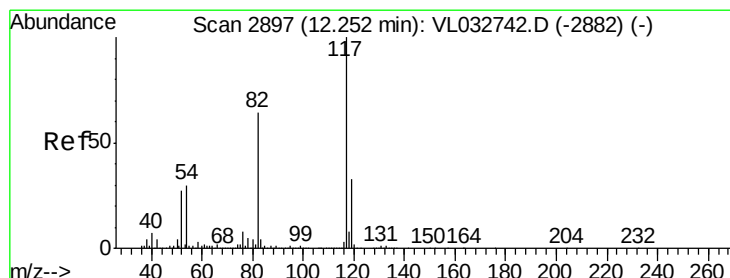
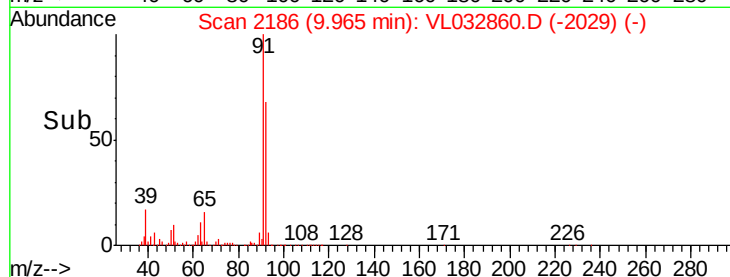
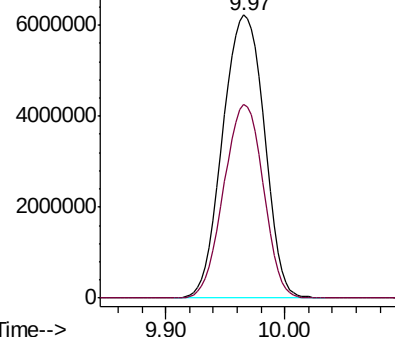
91 100

92 65.3 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

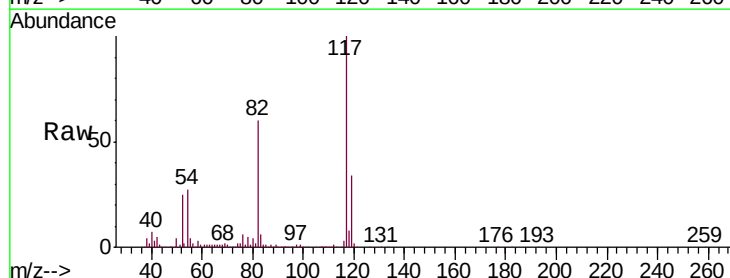
Tgt Ion:117 Resp: 4066094

Ion Ratio Lower Upper

117 100

82 62.1 51.0 76.6

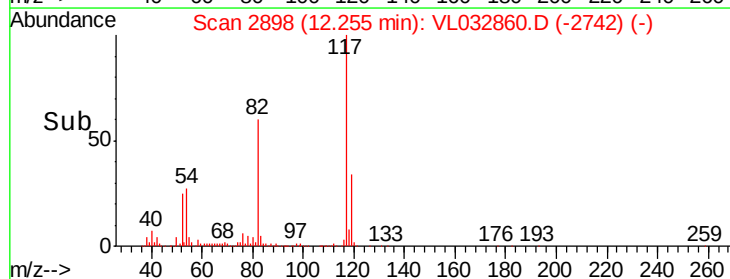
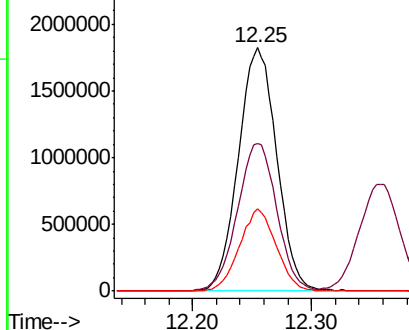
119 32.6 28.0 42.0

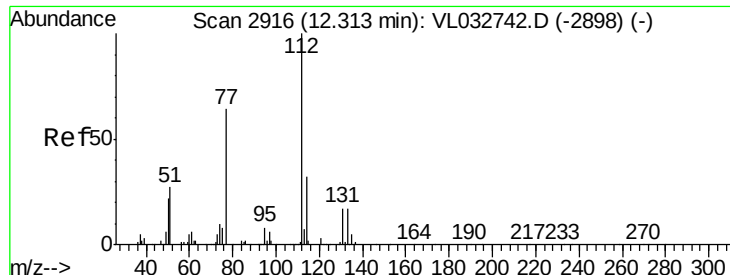


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#57

Chlorobenzene

Concen: 2.694 ppbv

RT: 12.36 min Scan# 2930

Delta R.T. 0.04 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03

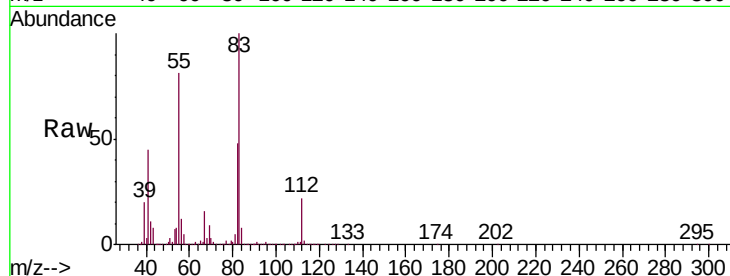
Tgt Ion: 112 Resp: 838476

Ion Ratio Lower Upper

112 100

77 8.5 52.3 78.5#

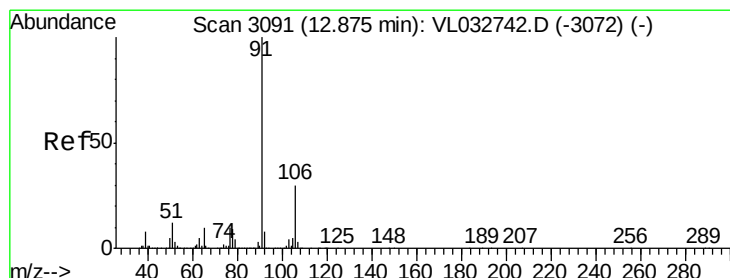
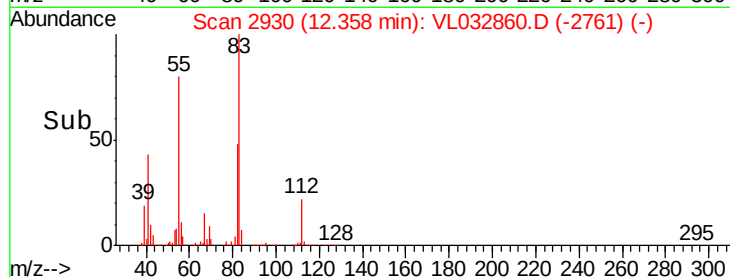
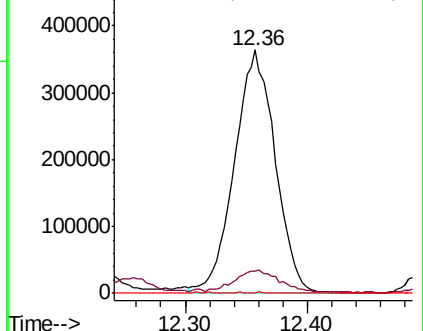
114 0.1 28.4 34.8#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.027 ppbv

RT: 12.88 min Scan# 3092

Delta R.T. 0.00 min

Lab File: VL032860.D

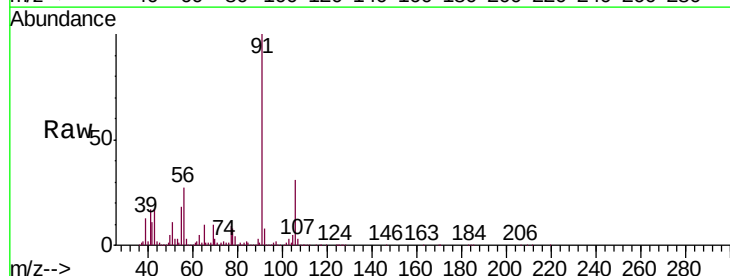
Acq: 30 Nov 2018 22:18

Tgt Ion: 91 Resp: 3928200

Ion Ratio Lower Upper

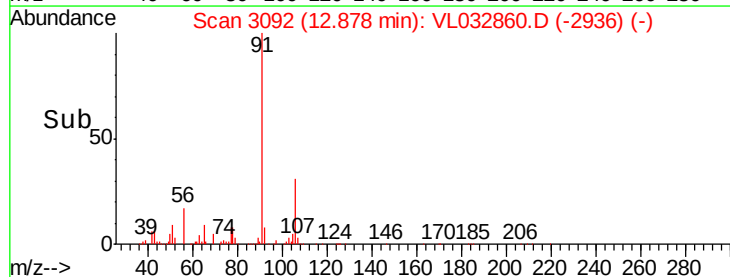
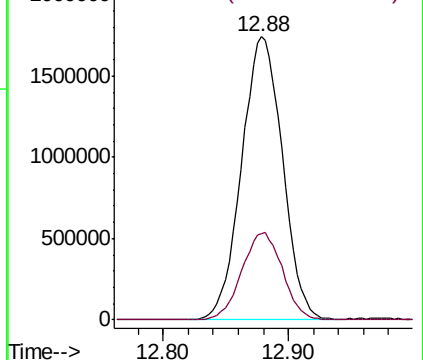
91 100

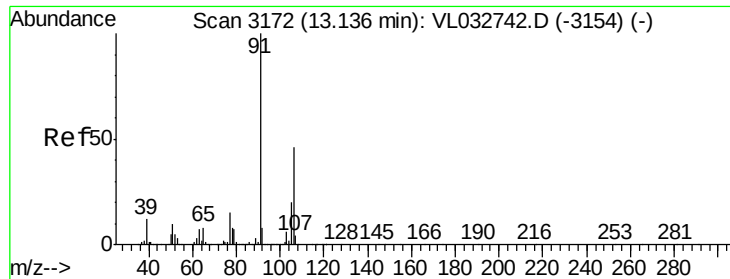
106 30.5 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

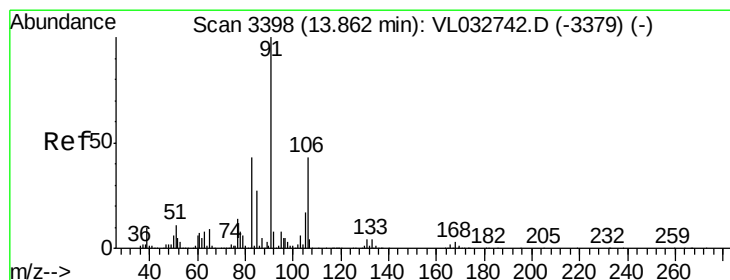
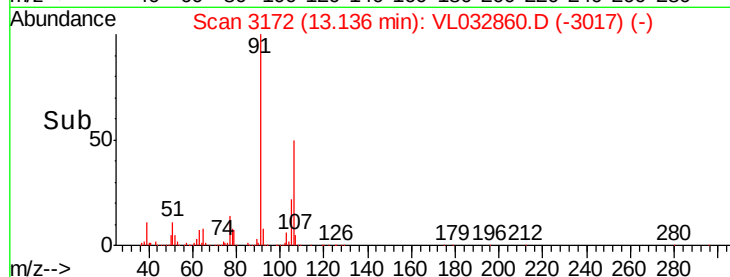
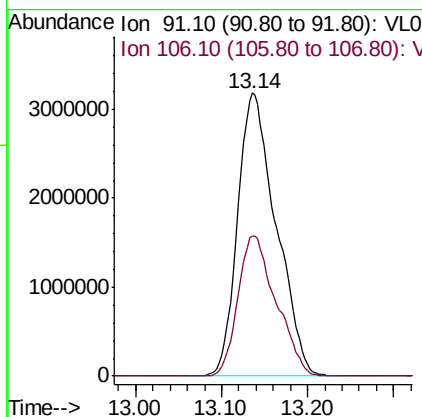
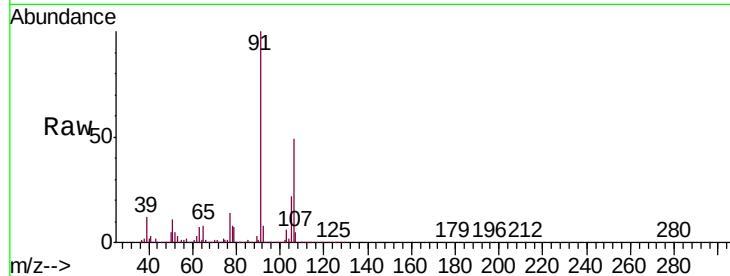




#59
m/p-Xylene
Concen: 22.681 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

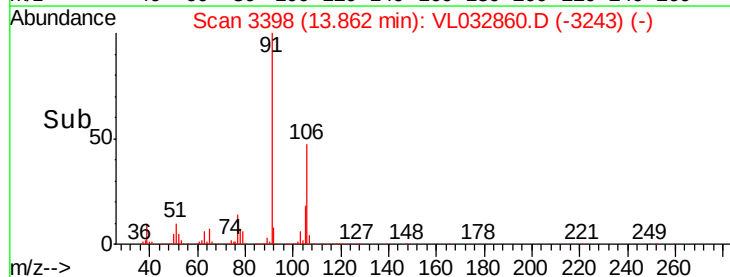
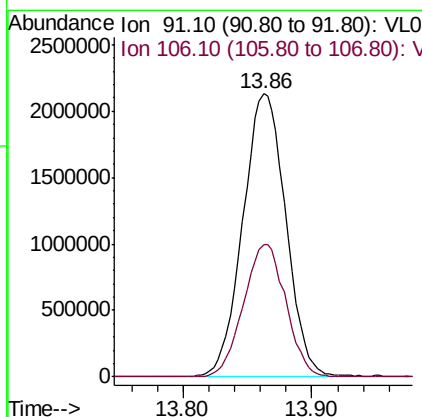
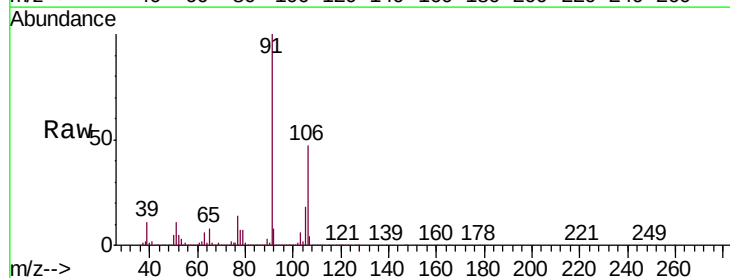
Instrument :
MSVOA_L
ClientSampled :
DSV-03

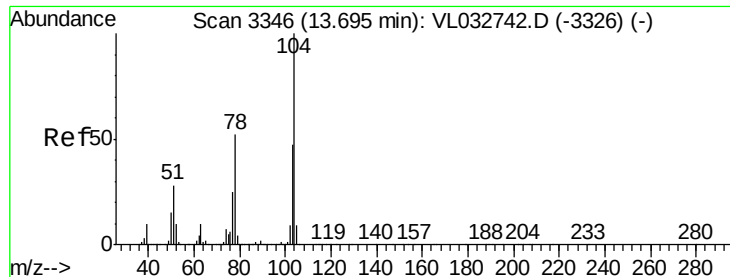
Tgt Ion: 91 Resp: 9880367
Ion Ratio Lower Upper
91 100
106 49.3 36.1 54.1



#60
o-Xylene
Concen: 11.233 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 91 Resp: 4920397
Ion Ratio Lower Upper
91 100
106 46.3 21.9 65.7





#61

Styrene

Concen: 0.731 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03

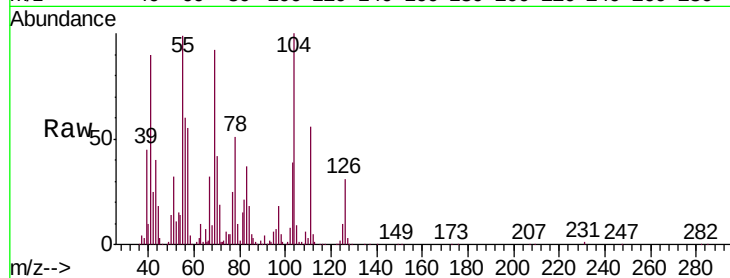
Tgt Ion:104 Resp: 208432

Ion Ratio Lower Upper

104 100

78 49.8 42.2 63.4

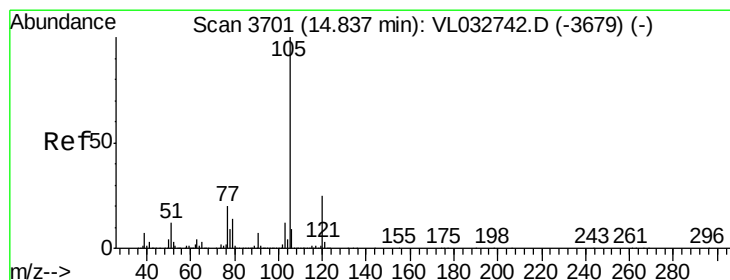
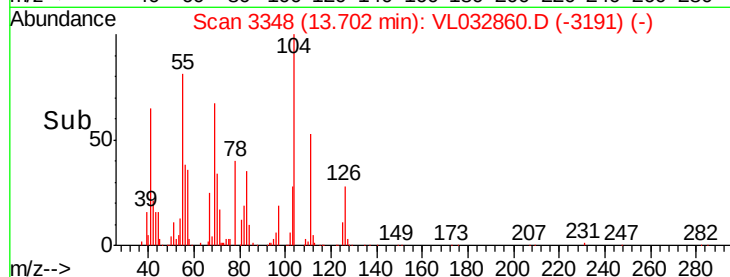
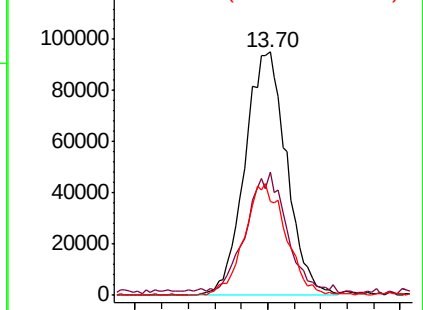
103 45.2 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.997 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL032860.D

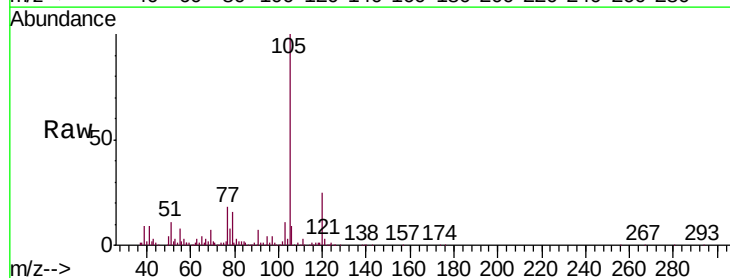
Acq: 30 Nov 2018 22:18

Tgt Ion:105 Resp: 590272

Ion Ratio Lower Upper

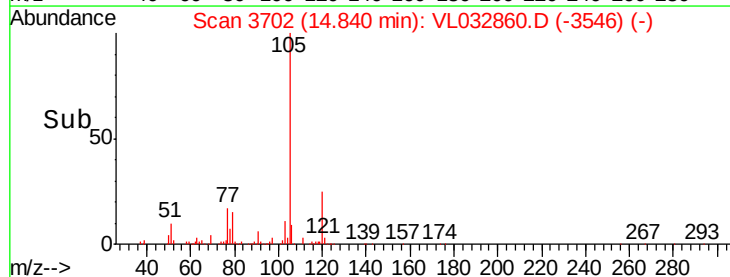
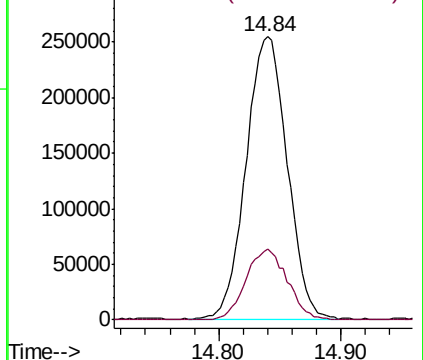
105 100

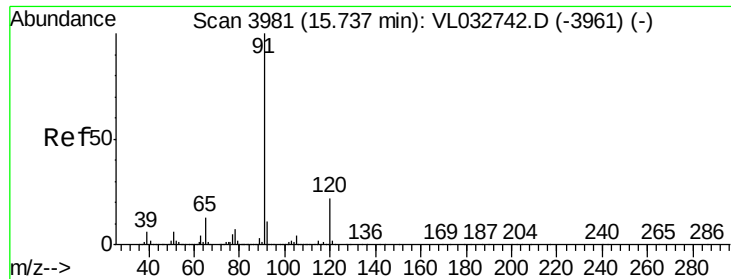
120 25.5 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

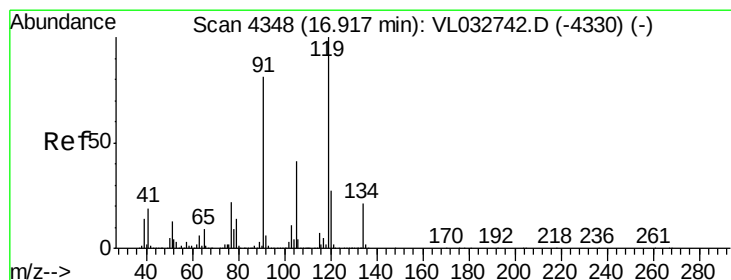
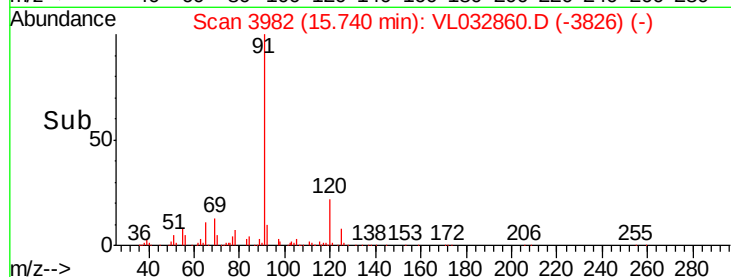
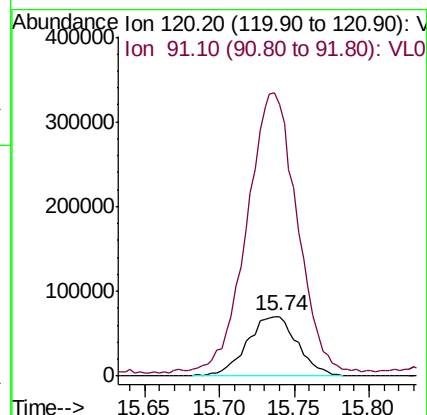
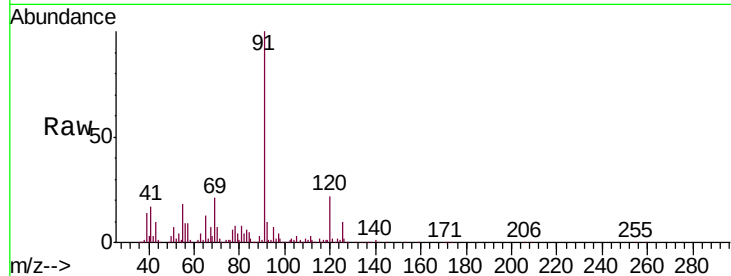




#64
n-propylbenzene
Concen: 1.059 ppbv
RT: 15.74 min Scan# 3982
Delta R.T. 0.00 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

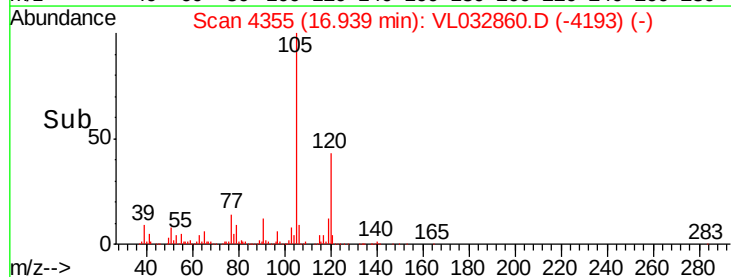
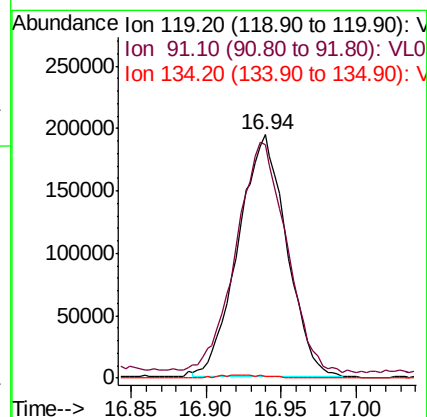
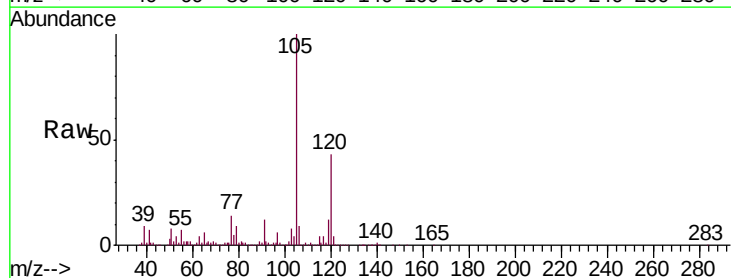
Instrument :
MSVOA_L
ClientSampleId :
DSV-03

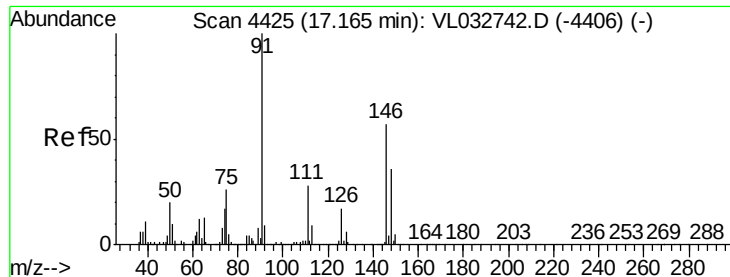
Tgt Ion:120 Resp: 164858
Ion Ratio Lower Upper
120 100
91 467.8 381.7 572.5



#65
tert-Butylbenzene
Concen: 0.821 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.02 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion:119 Resp: 435850
Ion Ratio Lower Upper
119 100
91 99.6 65.6 98.4#
134 1.5 15.9 23.9#

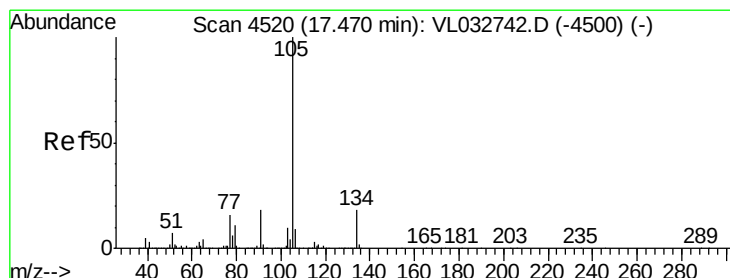
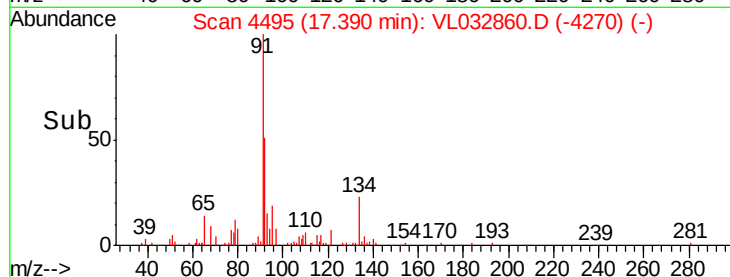
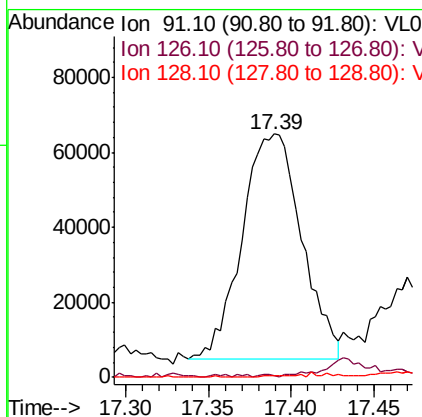
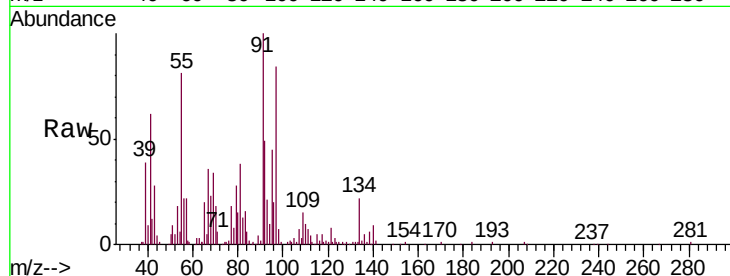




#66
Benzyl Chloride
Concen: 0.509 ppbv
RT: 17.39 min Scan# 4495
Delta R.T. 0.22 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

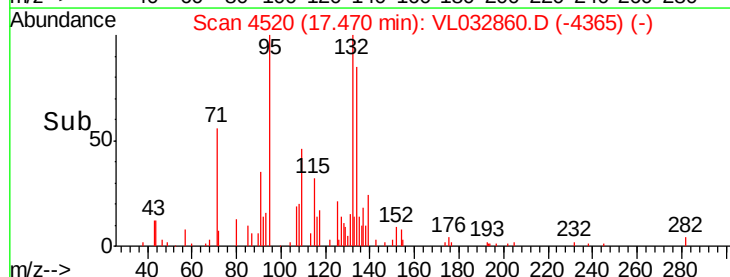
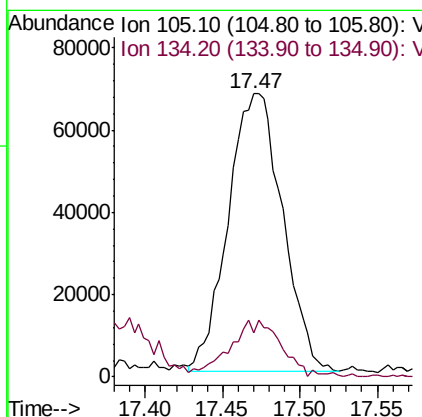
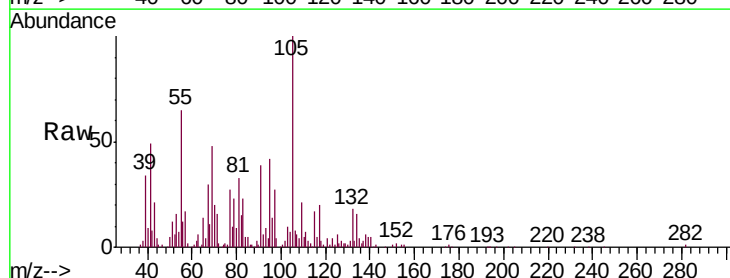
Instrument :
MSVOA_L
ClientSampleId :
DSV-03

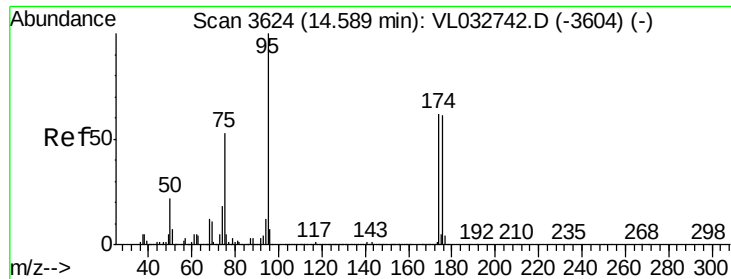
Tgt Ion: 91 Resp: 149361
Ion Ratio Lower Upper
91 100
126 0.9 14.2 21.2#
128 0.1 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.215 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. -0.00 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion: 105 Resp: 164441
Ion Ratio Lower Upper
105 100
134 20.1 14.6 21.8

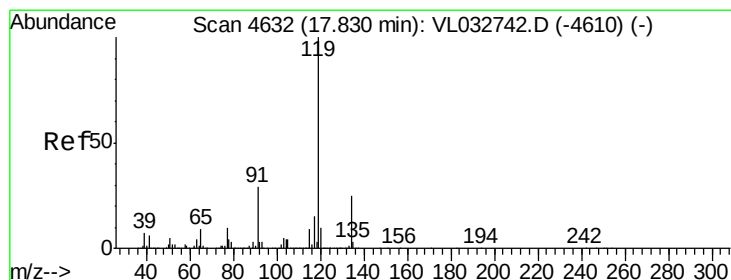
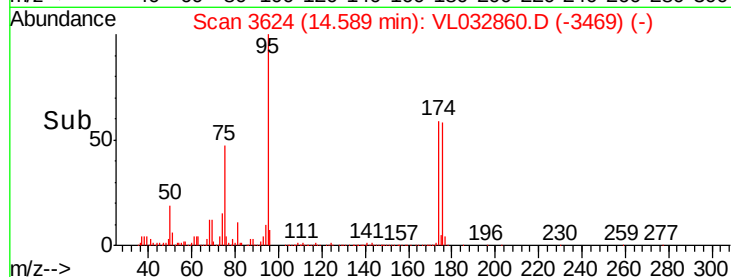
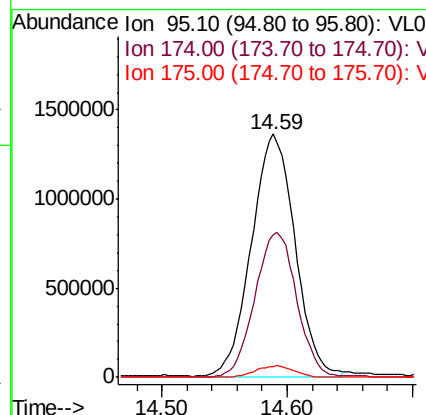
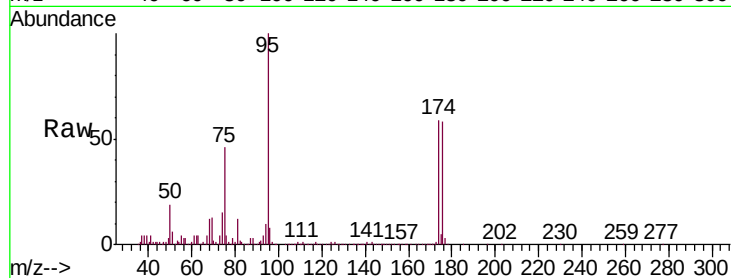




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.789 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

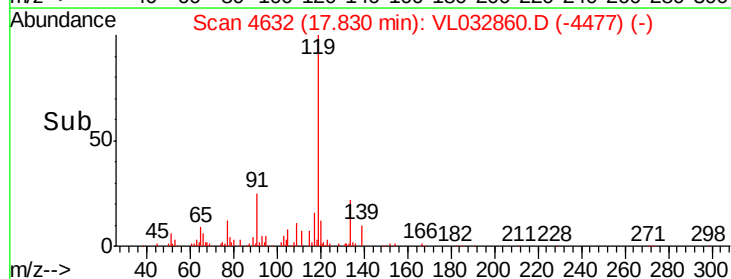
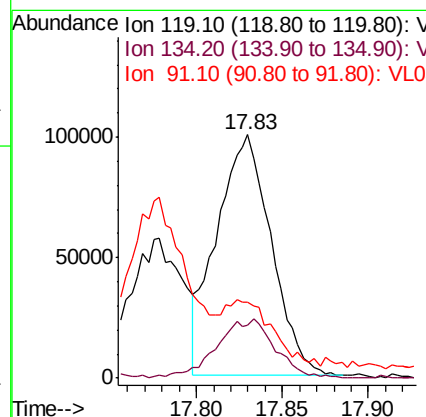
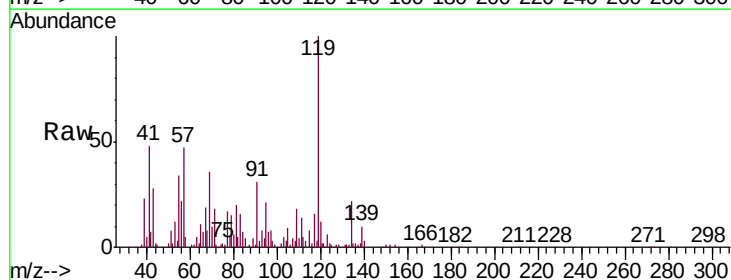
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03

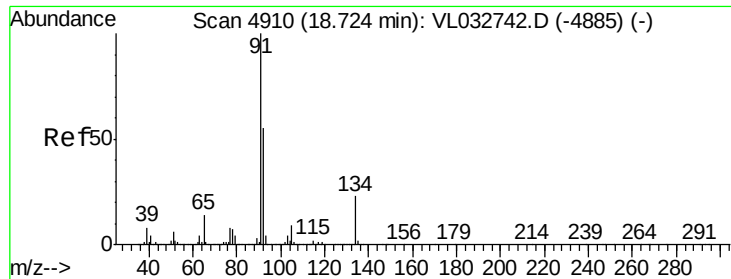
Tgt Ion: 95 Resp: 3281170
 Ion Ratio Lower Upper
 95 100
 174 58.3 50.7 76.1
 175 4.4 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.363 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion: 119 Resp: 221042
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.2 30.4
 91 28.8 23.5 35.3

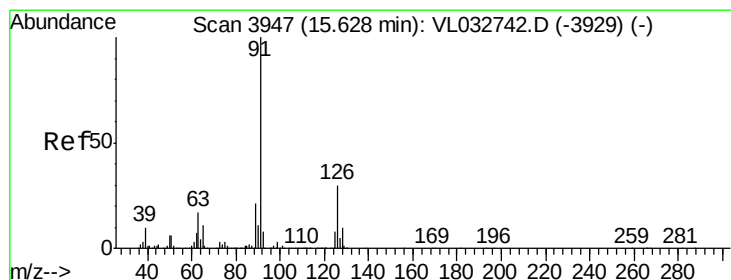
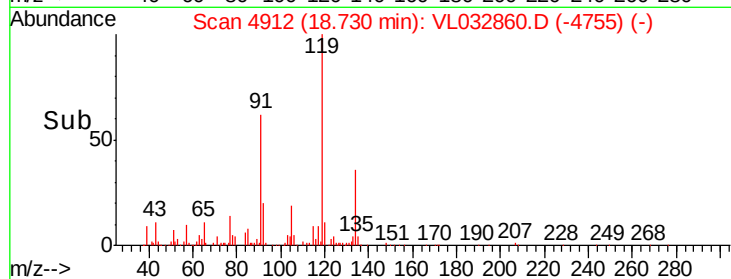
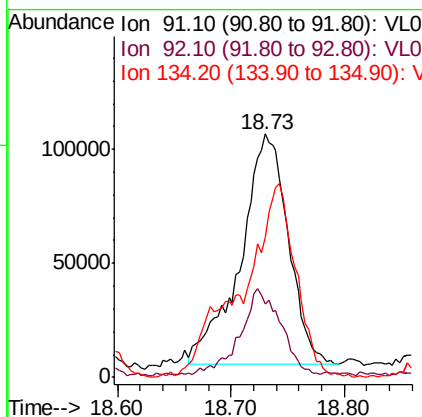
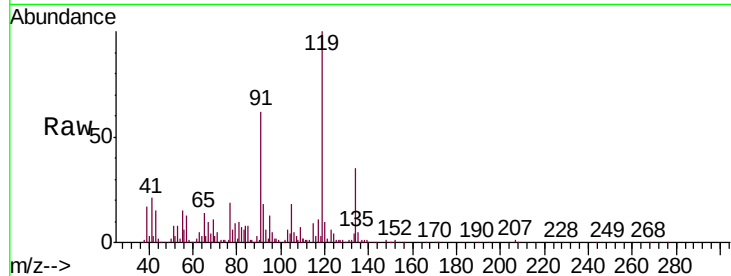




#70
n-Butylbenzene
Concen: 0.481 ppbv
RT: 18.73 min Scan# 4912
Delta R.T. 0.01 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

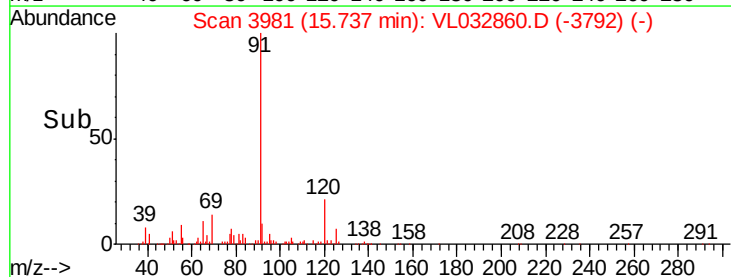
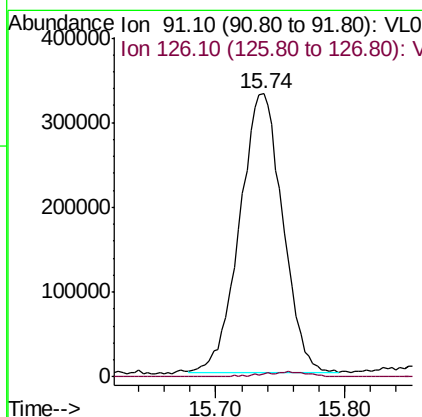
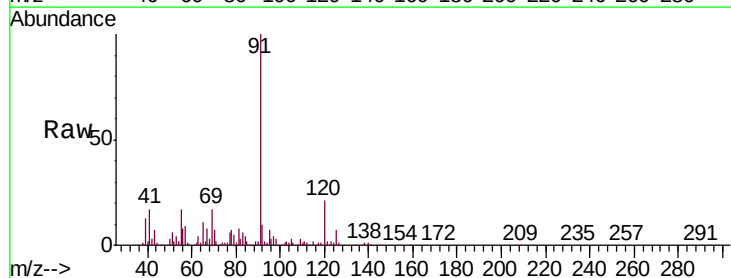
Instrument :
MSVOA_L
ClientSampleId :
DSV-03

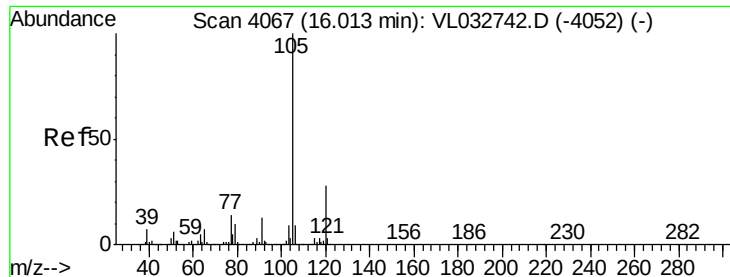
Tgt Ion	Ratio	Lower	Upper
91	100		
92	32.2	42.9	64.3#
134	95.5	17.8	26.8#



#71
2-Chlorotoluene
Concen: 1.724 ppbv
RT: 15.74 min Scan# 3981
Delta R.T. 0.11 min
Lab File: VL032860.D
Acq: 30 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	2.1	12.1	48.5#





#72

4-Ethyltoluene

Concen: 2.342 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL032860.D

Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03

Tgt Ion:105 Resp: 1124182

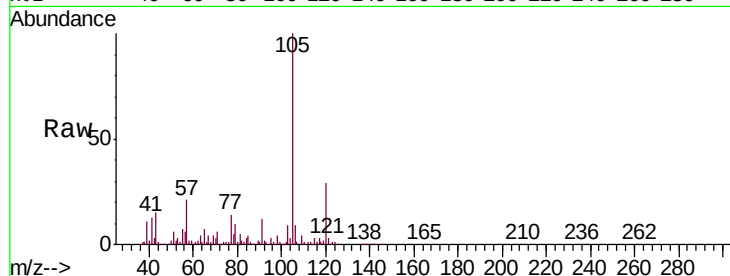
Ion Ratio Lower Upper

105 100

120 28.9 22.9 34.3

91 12.4 10.6 15.8

77 14.0 11.4 17.2

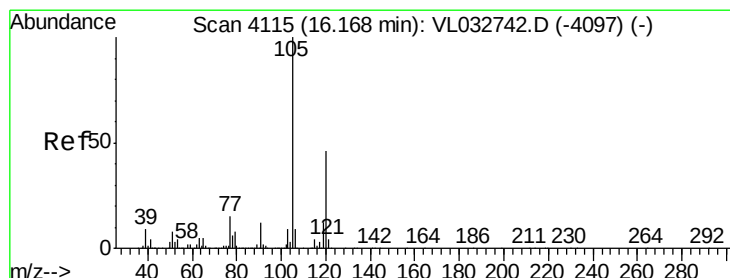
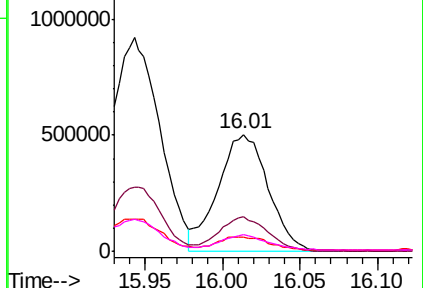
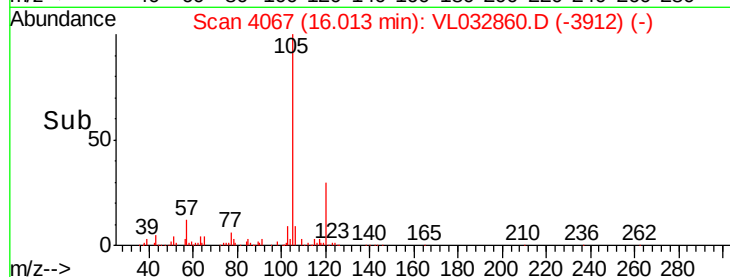


Abundance Ion 105.10 (104.80 to 105.80): V

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: 3.443 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032860.D

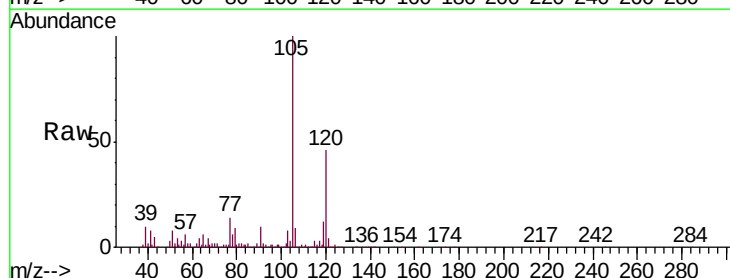
Acq: 30 Nov 2018 22:18

Tgt Ion:105 Resp: 1616279

Ion Ratio Lower Upper

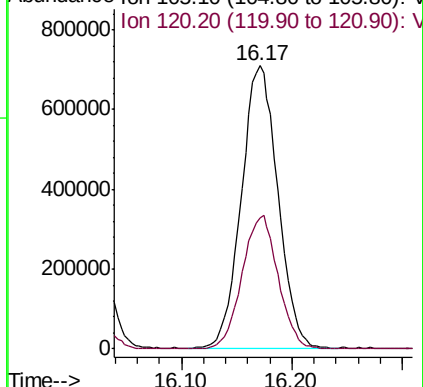
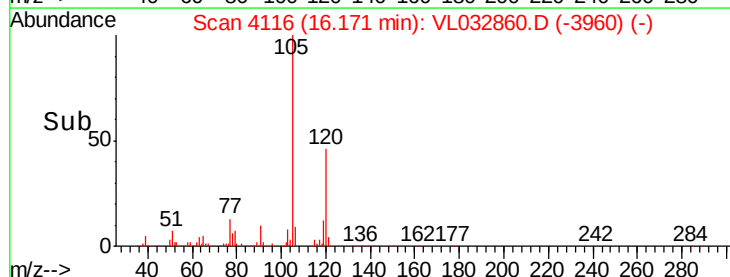
105 100

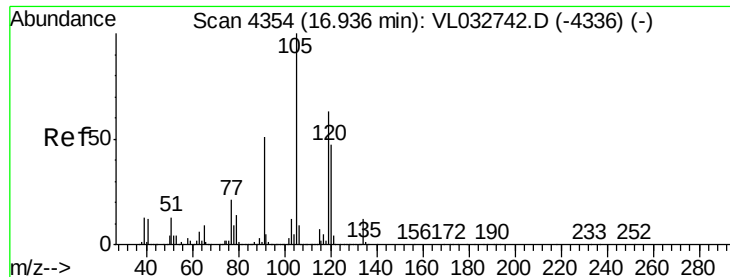
120 46.4 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

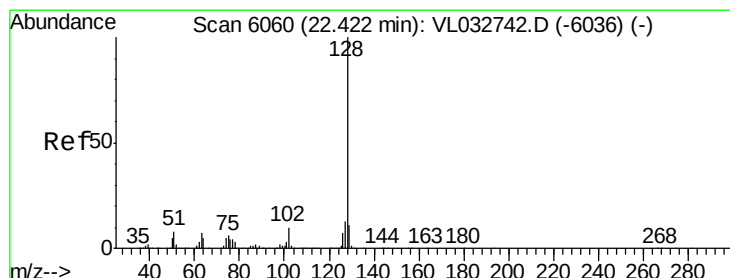
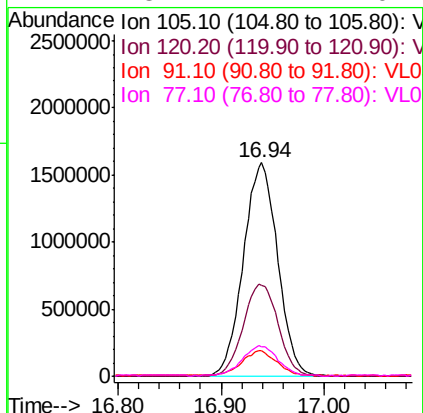
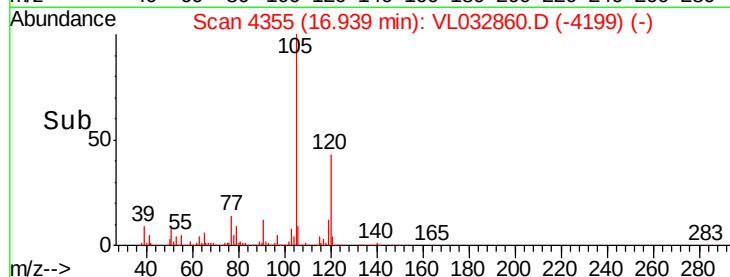
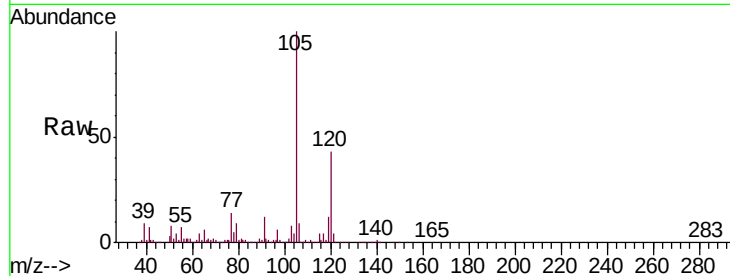




#74
 1,2,4-Trimethylbenzene
 Concen: 7.305 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

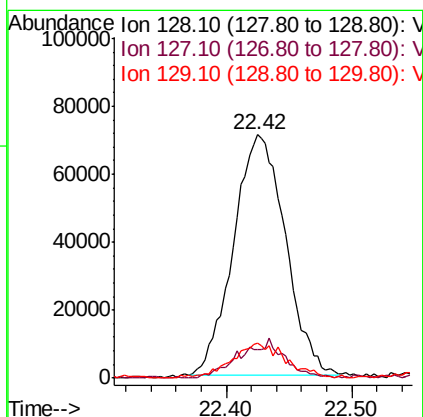
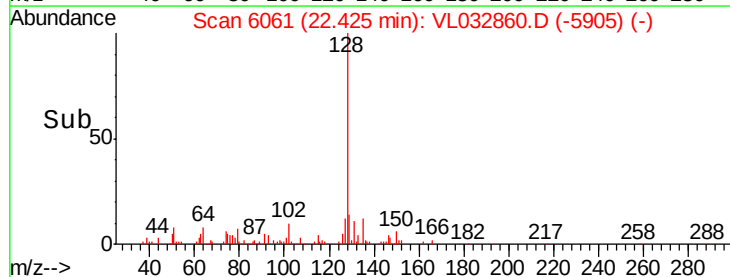
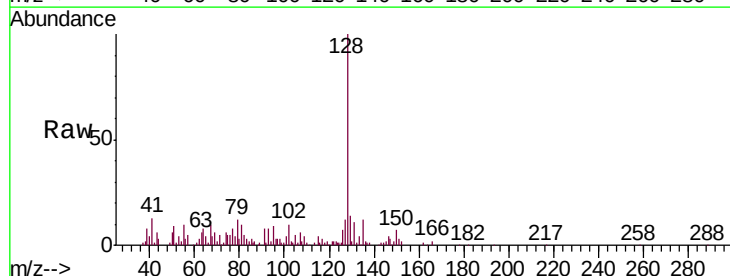
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03

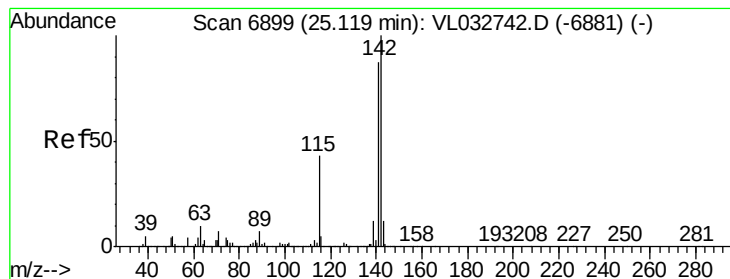
Tgt Ion:105 Resp: 3669443
 Ion Ratio Lower Upper
 105 100
 120 42.5 37.6 56.4
 91 11.4 42.5 63.7#
 77 13.7 17.4 26.2#



#79
 Naphthalene
 Concen: 0.618 ppbv
 RT: 22.42 min Scan# 6061
 Delta R.T. 0.00 min
 Lab File: VL032860.D
 Acq: 30 Nov 2018 22:18

Tgt Ion:128 Resp: 203968
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.1 15.1
 129 13.5 8.9 13.3#





#80

Naphthalene, 2-methyl-

Concen: 0.075 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. -0.00 min

Lab File: VL032860.D

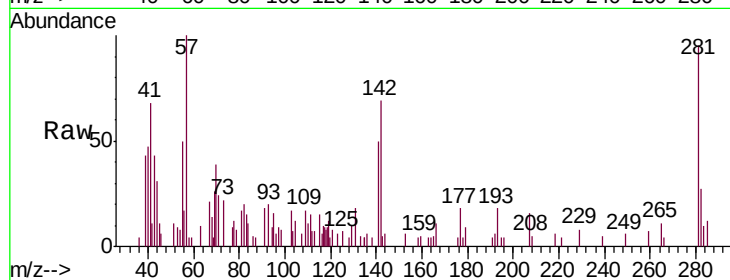
Acq: 30 Nov 2018 22:18

Instrument :

MSVOA_L

ClientSampleId :

DSV-03



Tgt Ion:142 Resp: 6163

Ion Ratio Lower Upper

142 100

141 84.2 68.7 103.1

115 87.6 35.5 53.3#

