

Data File : VL032859.D
Acq On : 30 Nov 2018 21:38
Operator : SY/AP
Sample : J6132-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DSV-03DL

Quant Time: Dec 01 02:26:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.77	49	1530278	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3918898	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3716881	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2814854	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	10932	0.050	ppbv	98
3) Chlorodifluoromethane	3.02	51	7536	0.062	ppbv #	90
4) Chloromethane	3.18	50	4298	0.064	ppbv #	87
5) Vinyl Chloride	3.05	62	86982	1.220	ppbv #	44
9) Propene	3.25	41	5388040	110.977	ppbv	99
10) Heptane	8.26	43	191224	1.032	ppbv	99
13) Ethanol	3.67	45	72074	4.532	ppbv	94
15) Acetone	3.94	43	2912846	20.843	ppbv #	65
16) 1,3-Butadiene	3.35	39	265214	4.901	ppbv #	43
17) tert-Butyl alcohol	4.39	59	13891	0.317	ppbv #	73
19) Isopropyl Alcohol	4.05	45	5085	0.055	ppbv #	95
20) Methylene Chloride	4.42	84	38783	0.536	ppbv	92
21) Allyl Chloride	4.44	41	27174	0.231	ppbv #	18
23) Vinyl Acetate	5.14	43	680226	2.670	ppbv #	1
25) Ethyl Acetate	5.79	43	347645	1.067	ppbv #	78
26) Hexane	5.79	57	508594	3.508	ppbv #	43
27) Carbon Disulfide	4.63	76	2464627	13.406	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	7598	0.033	ppbv #	54
30) Cyclohexane	7.26	84	2700649	21.296	ppbv	96
34) 2-Butanone	5.35	43	185392	0.912	ppbv	98
36) Benzene	7.01	78	3922951	12.571	ppbv	97
39) 1,2-Dichloropropane	7.30	63	931036	7.830	ppbv #	23
42) Bromodichloromethane	7.93	83	49423	0.174	ppbv #	33
44) 2,2,4-Trimethylpentane	8.00	57	227082	0.435	ppbv #	1
50) 4-Methyl-2-Pentanone	8.91	43	17695	0.056	ppbv	95
51) 2-Hexanone	10.25	43	51539	0.252	ppbv #	29
53) Toluene	9.96	91	1746654	5.365	ppbv	100
58) Ethyl Benzene	12.88	91	290307	0.649	ppbv	98
59) m/p-Xylene	13.13	91	867432	2.178	ppbv	96
60) o-Xylene	13.86	91	198292	0.495	ppbv #	35
64) n-propylbenzene	15.73	120	5658	0.040	ppbv #	1
72) 4-Ethyltoluene	16.01	105	60543	0.138	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.16	105	40943	0.095	ppbv	94
74) 1,2,4-Trimethylbenzene	16.94	105	207920	0.453	ppbv #	64

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

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Instrument :
MSVOA_L
ClientSampleId :
DSV-03DL

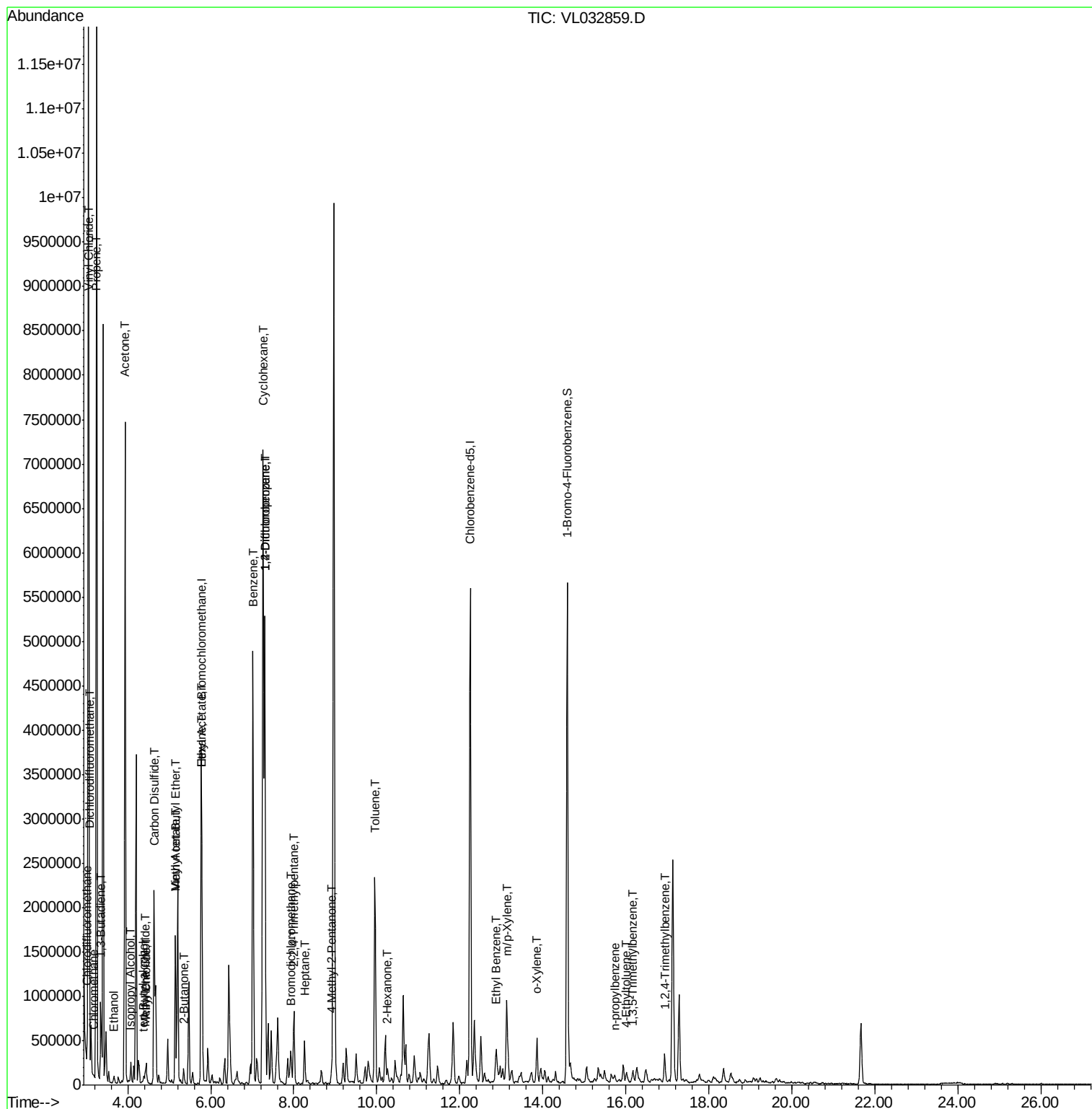
Quant Time: Dec 01 02:26:19 2018

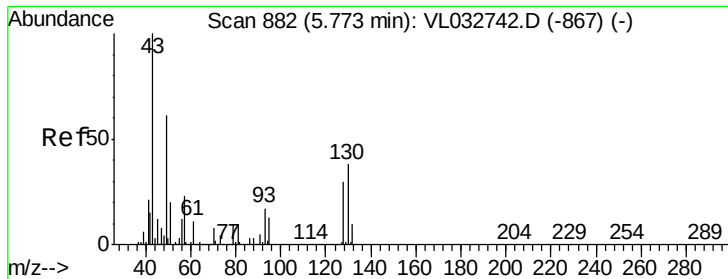
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018

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

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032859.D

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Instrument :

MSVOA_L

ClientSampleId :

DSV-03DL

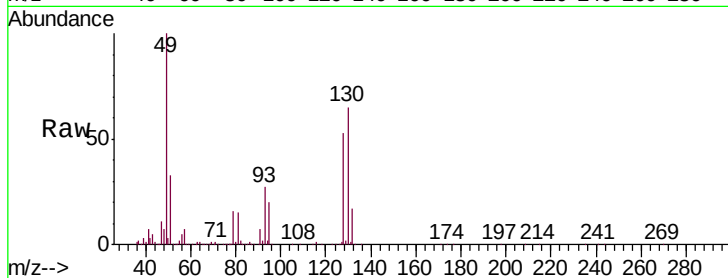
Tgt Ion: 49 Resp: 1530278

Ion Ratio Lower Upper

49 100

128 53.4 24.9 74.6

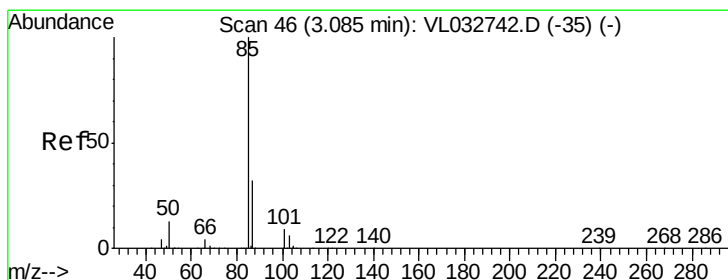
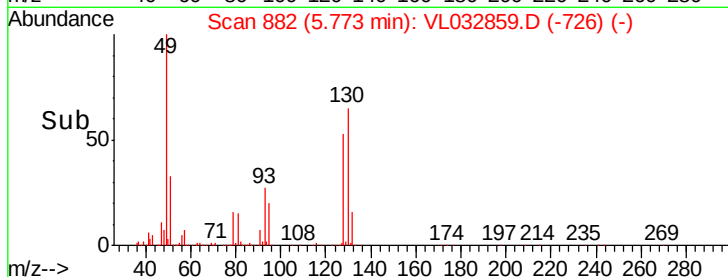
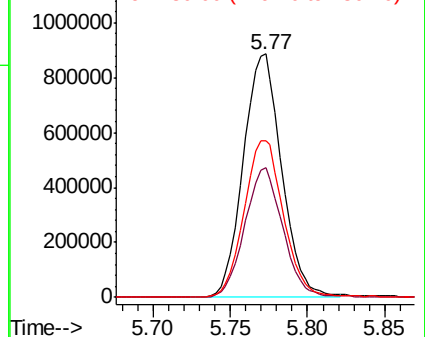
130 67.0 31.4 94.2



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: 0.050 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032859.D

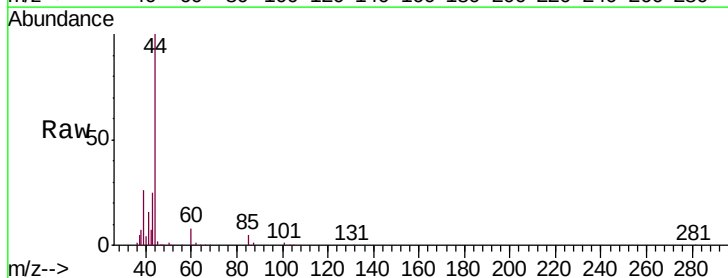
Acq: 30 Nov 2018 21:38

Tgt Ion: 85 Resp: 10932

Ion Ratio Lower Upper

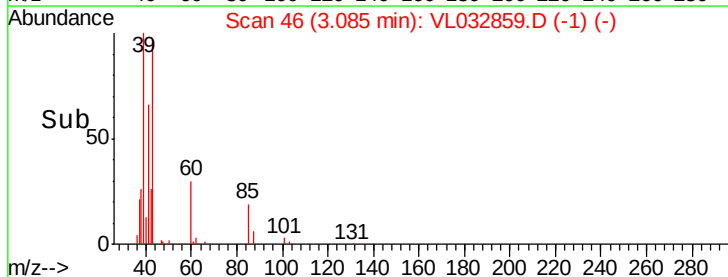
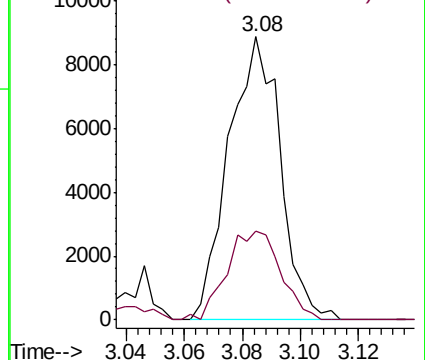
85 100

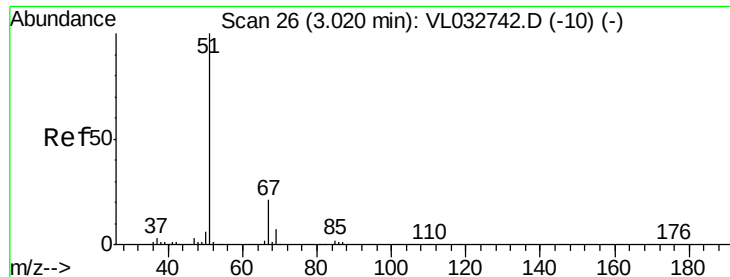
87 31.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.062 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

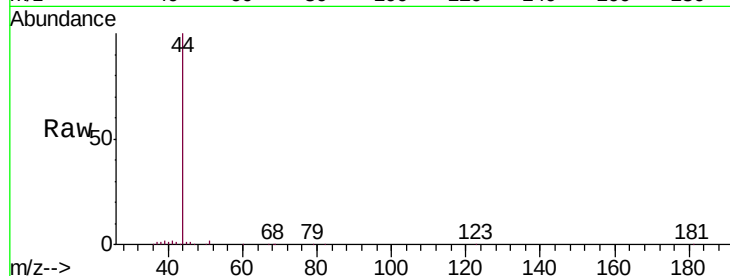
DSV-03DL

Tgt Ion: 51 Resp: 7536

Ion Ratio Lower Upper

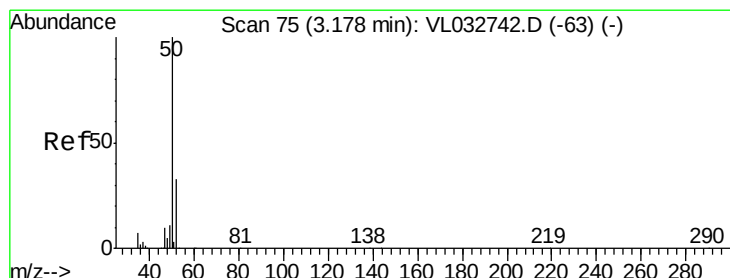
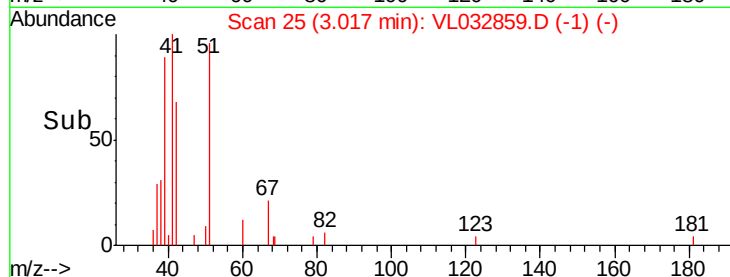
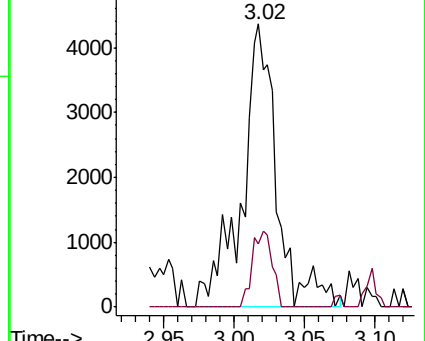
51 100

67 15.4 16.1 24.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.064 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032859.D

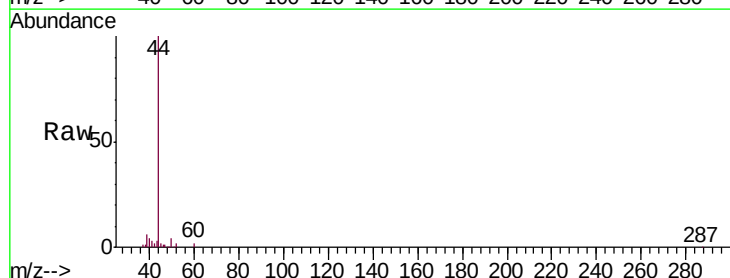
Acq: 30 Nov 2018 21:38

Tgt Ion: 50 Resp: 4298

Ion Ratio Lower Upper

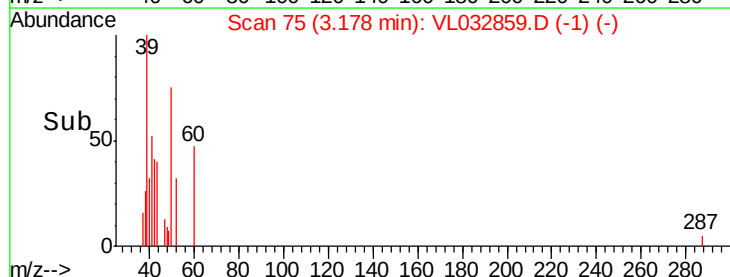
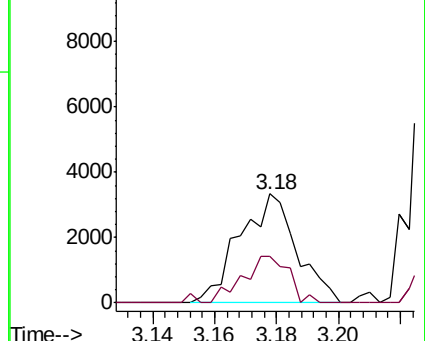
50 100

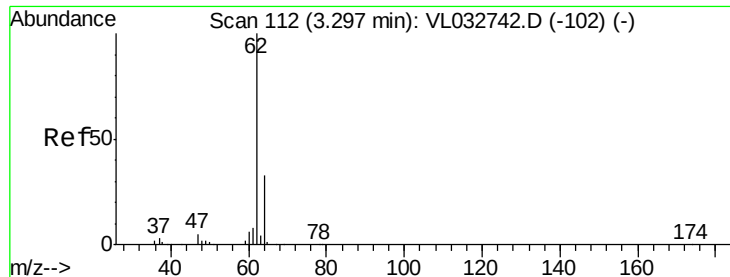
52 40.9 26.6 40.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.220 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.25 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

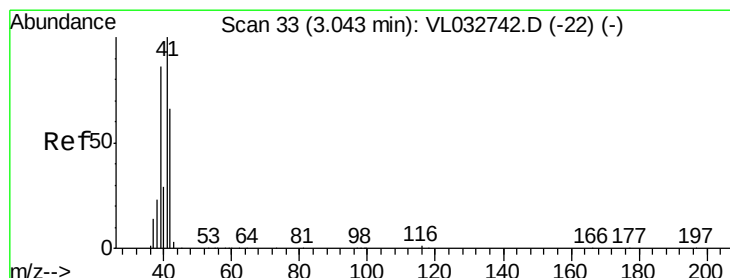
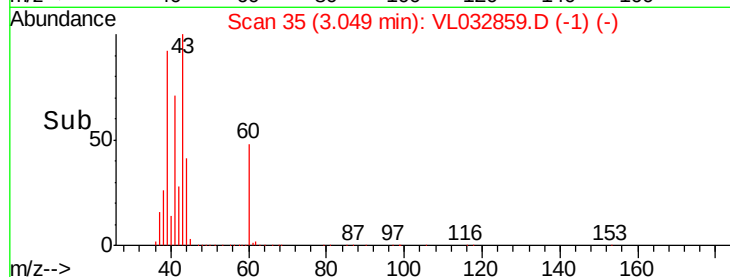
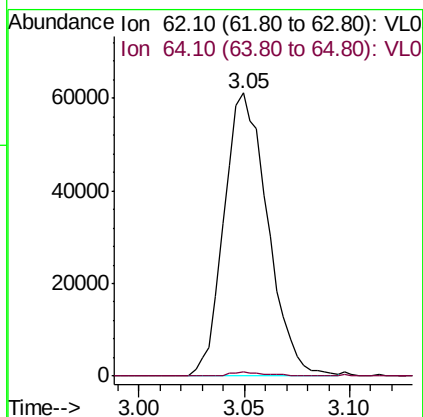
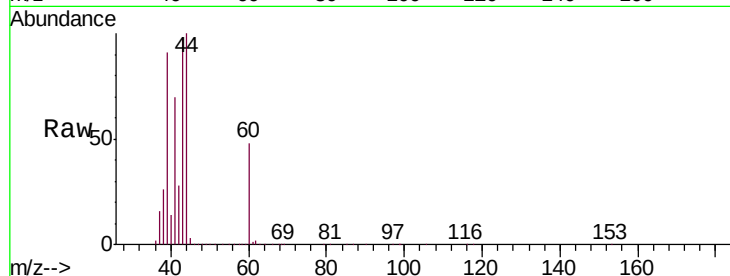
DSV-03DL

Tgt Ion: 62 Resp: 86982

Ion Ratio Lower Upper

62 100

64 1.4 26.2 39.4#



#9

Propene

Concen: 110.977 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032859.D

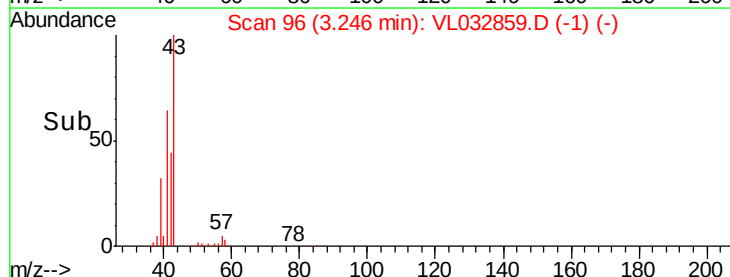
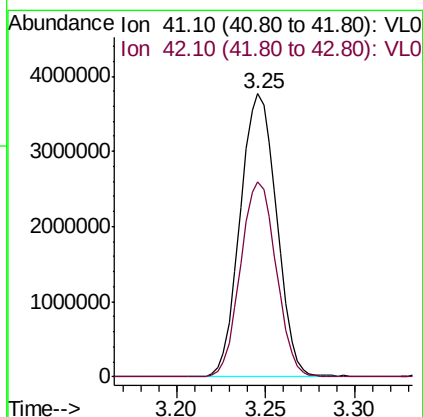
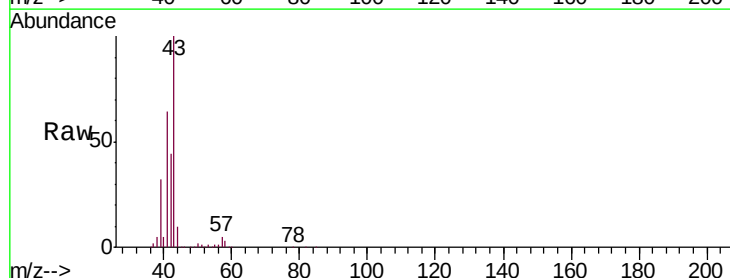
Acq: 30 Nov 2018 21:38

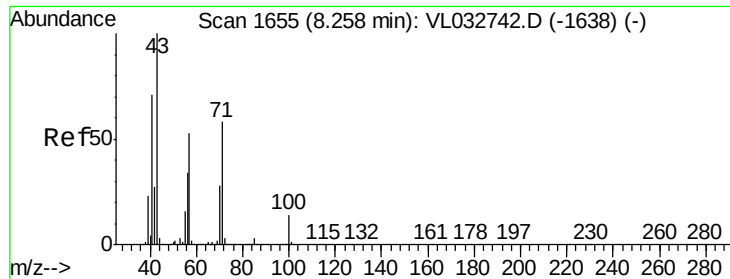
Tgt Ion: 41 Resp: 5388040

Ion Ratio Lower Upper

41 100

42 67.6 55.0 82.6





#10

Heptane

Concen: 1.032 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

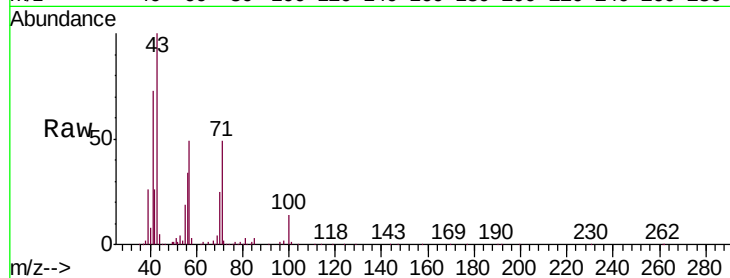
DSV-03DL

Tgt Ion: 43 Resp: 191224

Ion Ratio Lower Upper

43 100

57 51.5 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.26

120000

100000

80000

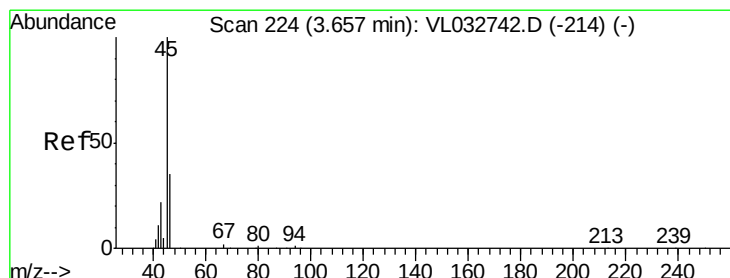
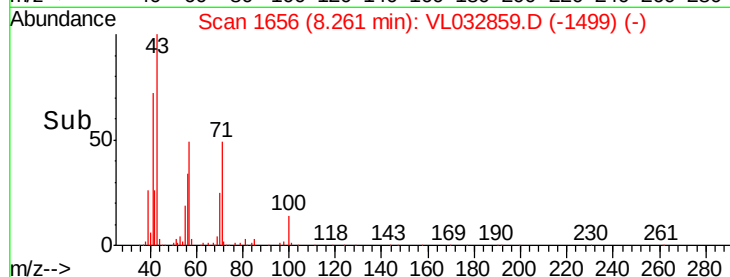
60000

40000

20000

0

Time-->



#13

Ethanol

Concen: 4.532 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL032859.D

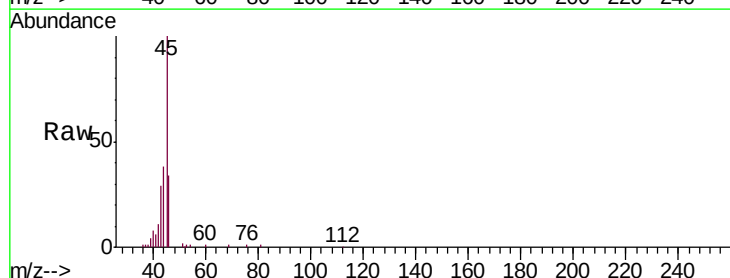
Acq: 30 Nov 2018 21:38

Tgt Ion: 45 Resp: 72074

Ion Ratio Lower Upper

45 100

46 39.6 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.67

40000

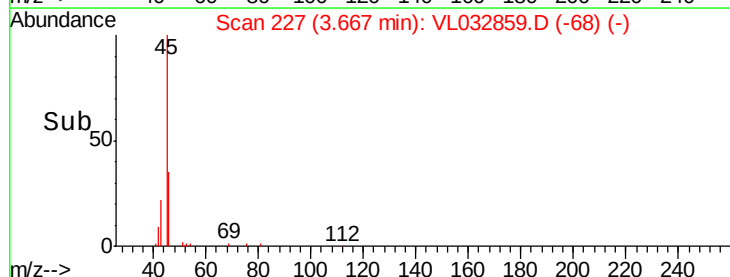
30000

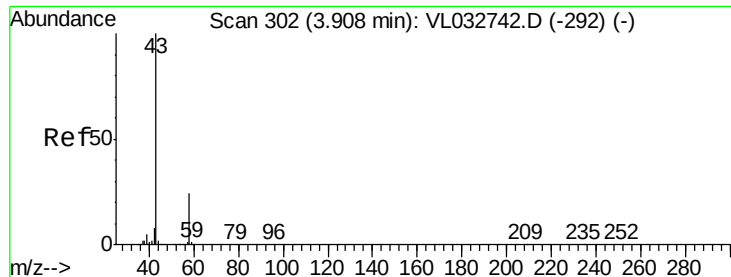
20000

10000

0

Time-->





#15

Acetone

Concen: 20.843 ppbv

RT: 3.94 min Scan# 311

Delta R.T. 0.03 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

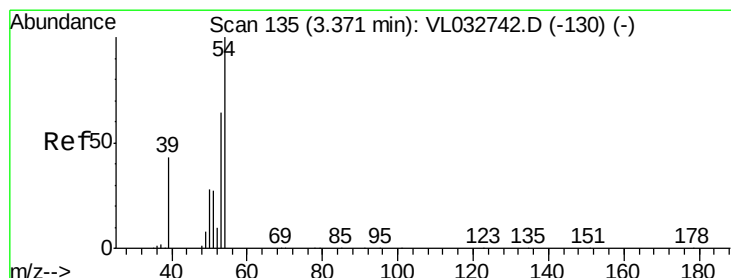
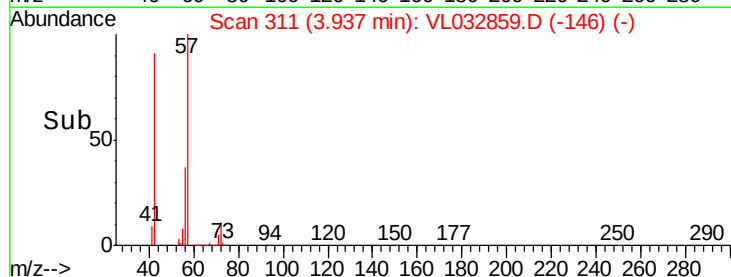
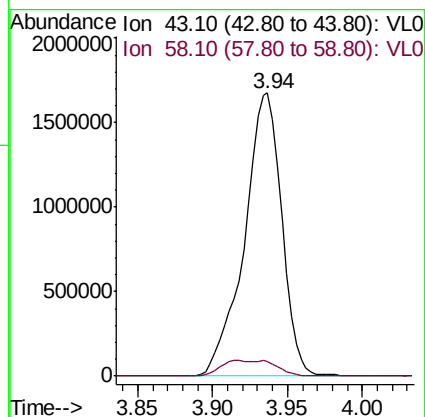
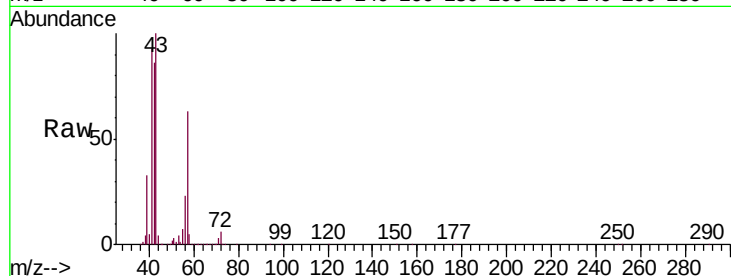
DSV-03DL

Tgt Ion: 43 Resp: 2912846

Ion Ratio Lower Upper

43 100

58 8.4 21.1 31.7#



#16

1,3-Butadiene

Concen: 4.901 ppbv

RT: 3.35 min Scan# 129

Delta R.T. -0.02 min

Lab File: VL032859.D

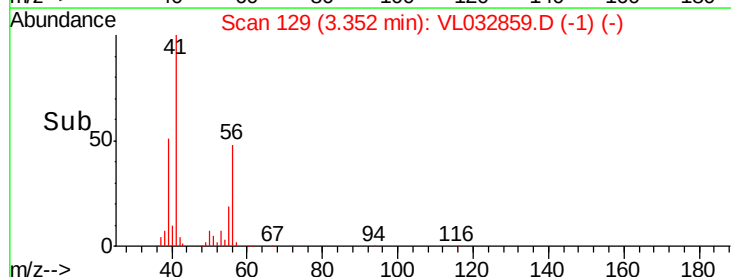
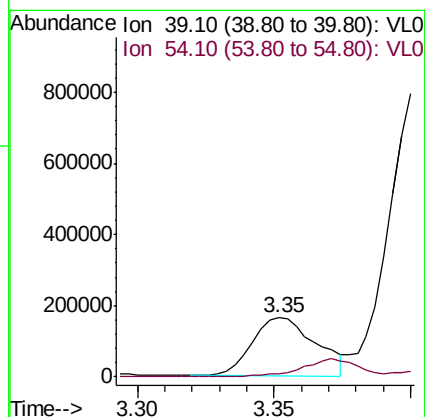
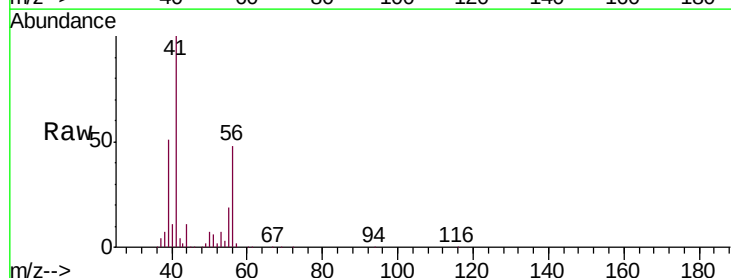
Acq: 30 Nov 2018 21:38

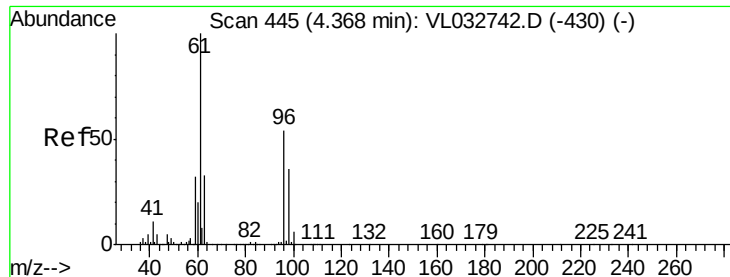
Tgt Ion: 39 Resp: 265214

Ion Ratio Lower Upper

39 100

54 33.8 68.9 103.3#





#17

tert-Butyl alcohol

Concen: 0.317 ppbv

RT: 4.39 min Scan# 452

Delta R.T. 0.02 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

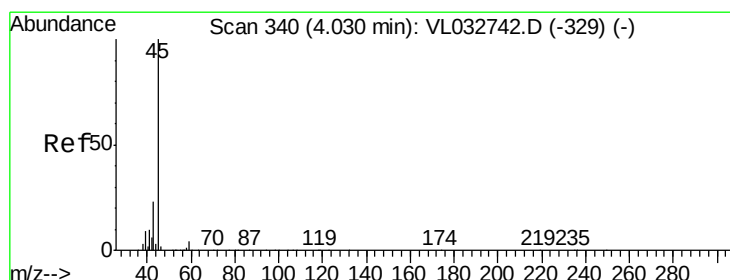
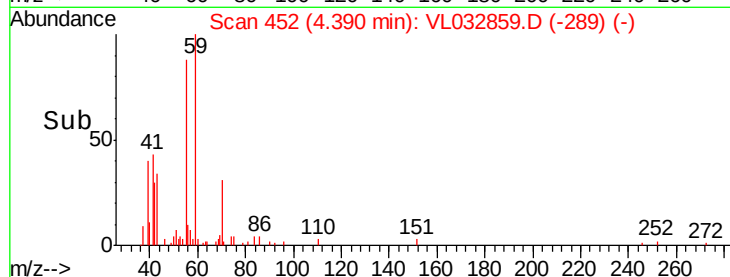
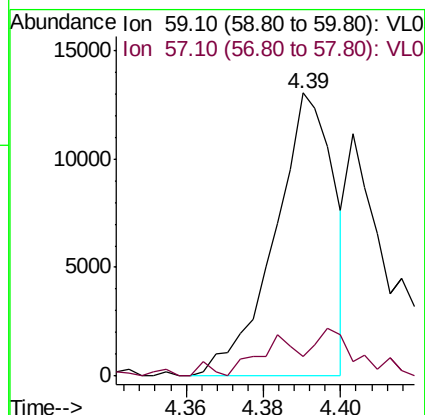
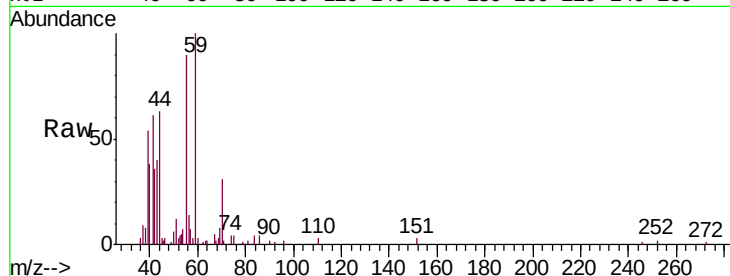
DSV-03DL

Tgt Ion: 59 Resp: 13891

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#19

Isopropyl Alcohol

Concen: 0.055 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032859.D

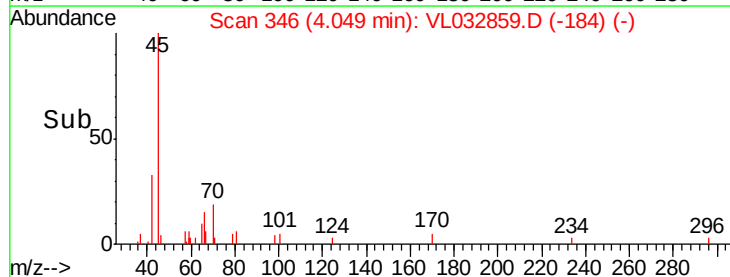
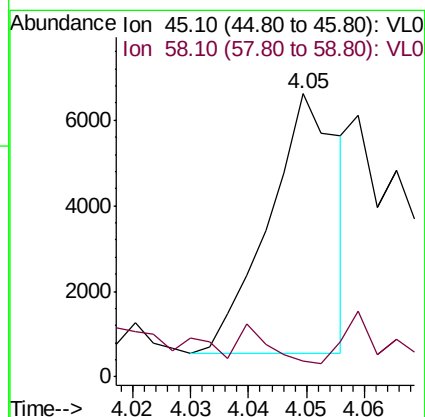
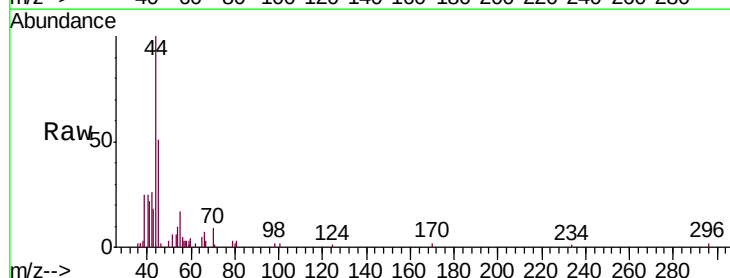
Acq: 30 Nov 2018 21:38

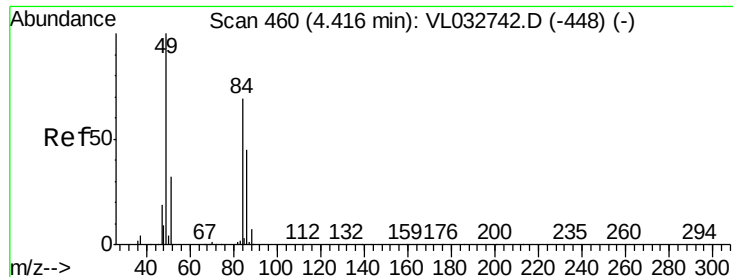
Tgt Ion: 45 Resp: 5085

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#

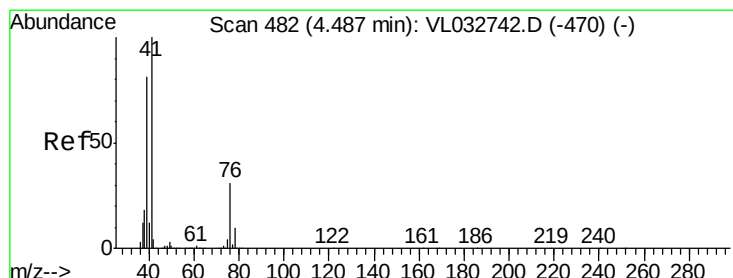
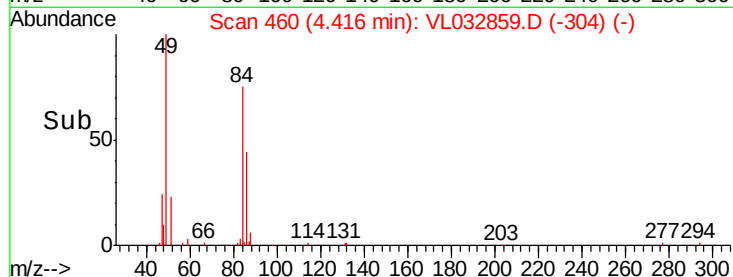
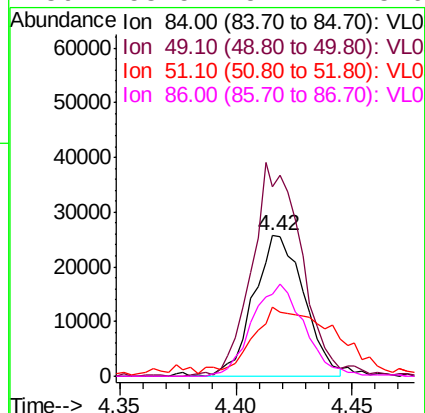
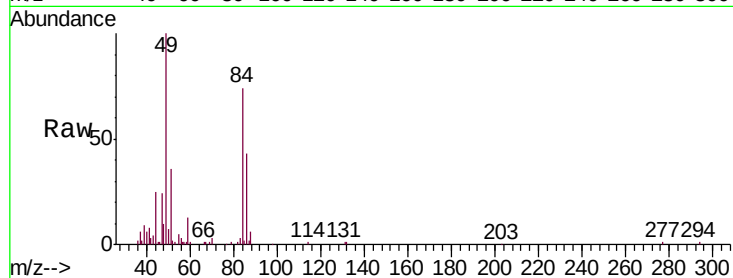




#20
Methylene Chloride
Concen: 0.536 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032859.D
Acq: 30 Nov 2018 21:38

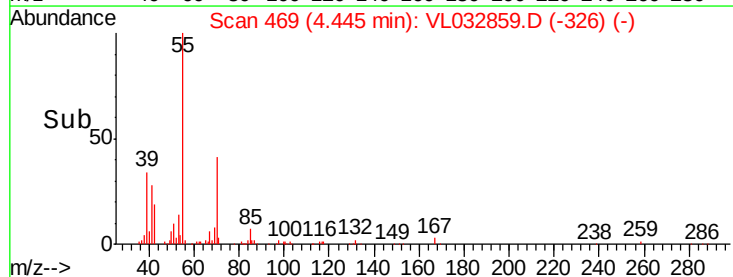
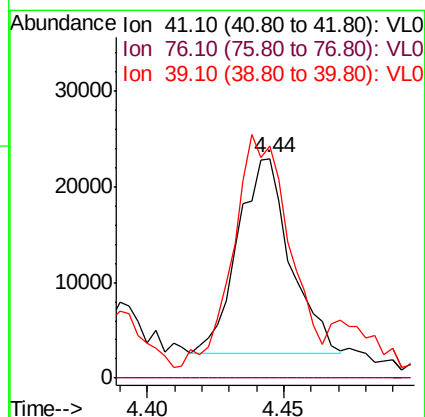
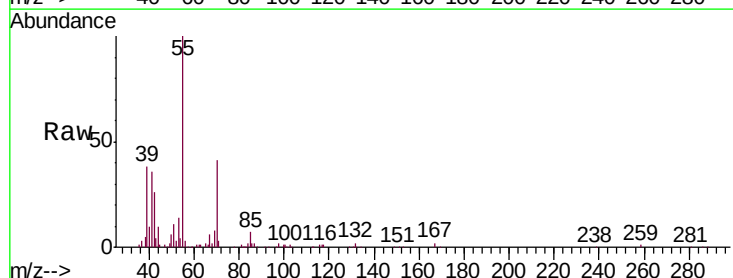
Instrument :
MSVOA_L
ClientSampleId :
DSV-03DL

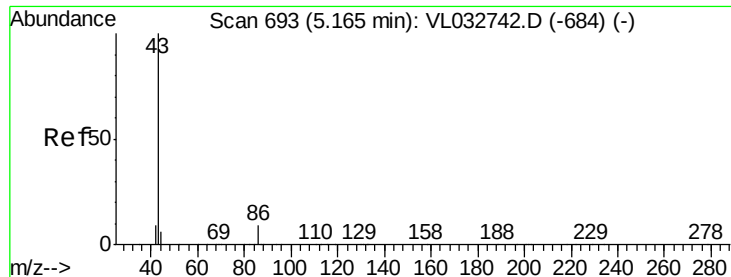
Tgt Ion: 84 Resp: 38783
Ion Ratio Lower Upper
84 100
49 134.4 115.8 173.6
51 42.8 36.9 55.3
86 58.5 52.4 78.6



#21
Allyl Chloride
Concen: 0.231 ppbv
RT: 4.44 min Scan# 469
Delta R.T. -0.04 min
Lab File: VL032859.D
Acq: 30 Nov 2018 21:38

Tgt Ion: 41 Resp: 27174
Ion Ratio Lower Upper
41 100
76 0.0 24.4 36.6#
39 160.7 63.5 95.3#





#23

Vinyl Acetate

Concen: 2.670 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

DSV-03DL

Tgt Ion: 43 Resp: 680226

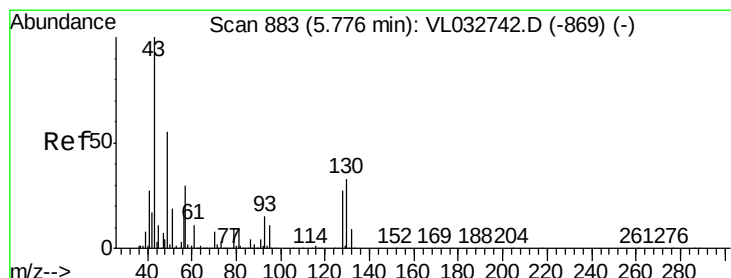
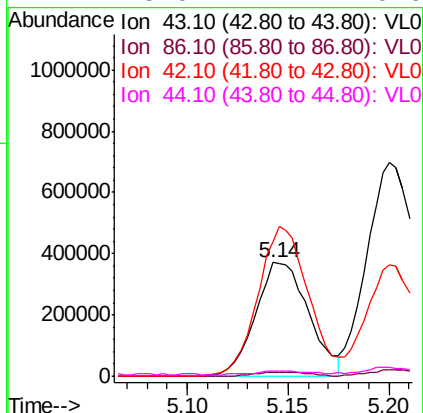
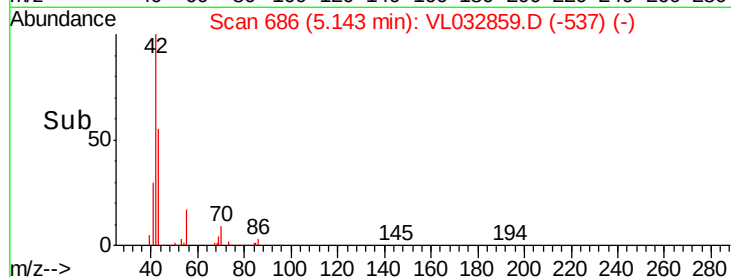
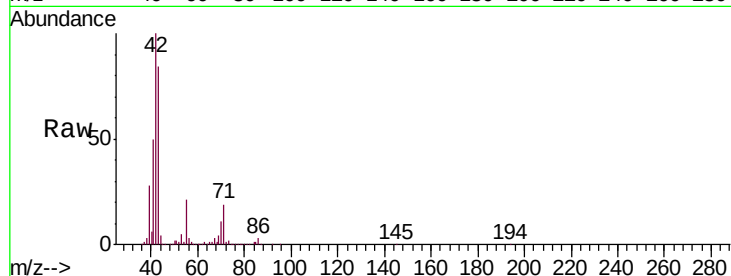
Ion Ratio Lower Upper

43 100

86 3.3 6.2 9.4#

42 118.5 7.8 11.6#

44 3.0 4.4 6.6#



#25

Ethyl Acetate

Concen: 1.067 ppbv

RT: 5.79 min Scan# 888

Delta R.T. 0.02 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Tgt Ion: 43 Resp: 347645

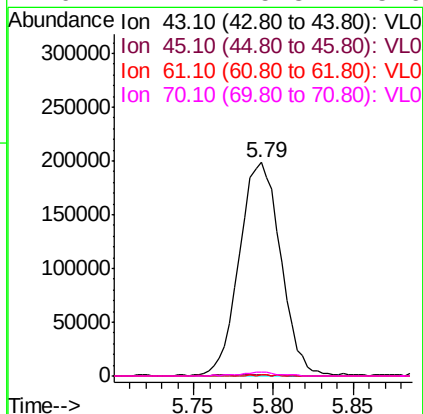
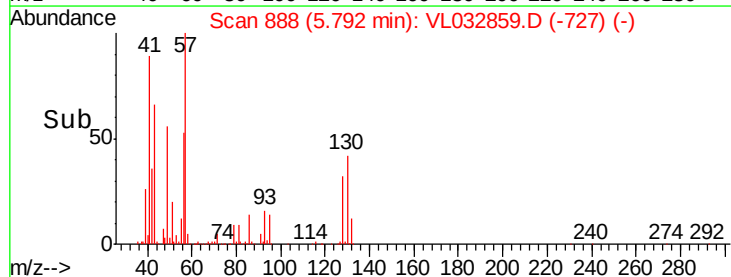
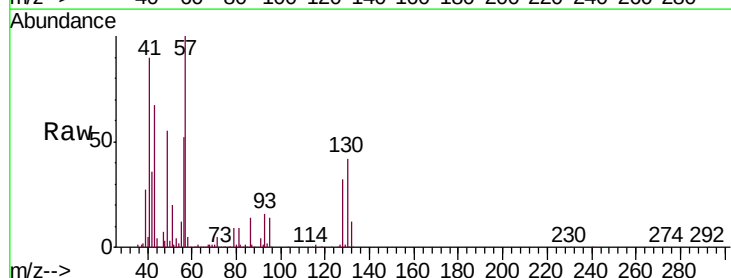
Ion Ratio Lower Upper

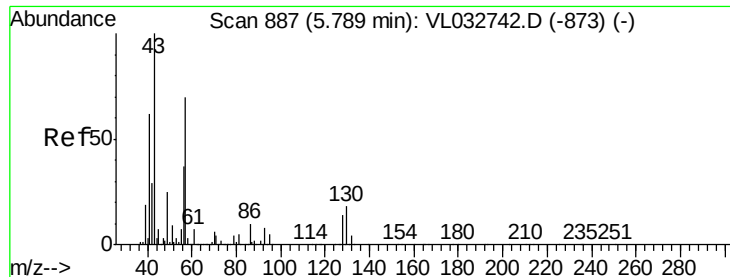
43 100

45 1.2 7.9 11.9#

61 0.5 7.8 11.6#

70 1.7 5.8 8.6#





#26

Hexane

Concen: 3.508 ppbv

RT: 5.79 min Scan# 888

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

DSV-03DL

Tgt Ion: 57 Resp: 508594

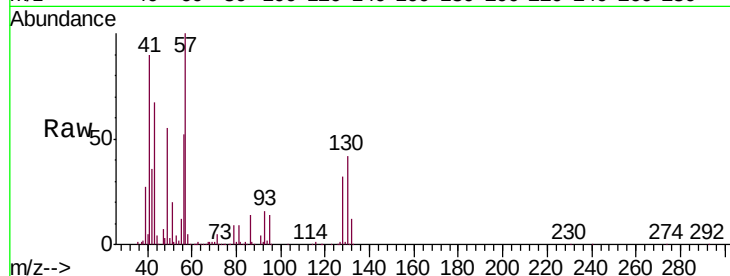
Ion Ratio Lower Upper

57 100

41 87.4 70.3 105.5

43 69.0 174.0 261.0#

56 53.1 42.3 63.5

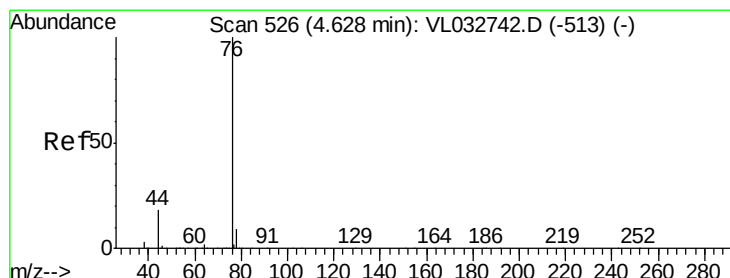
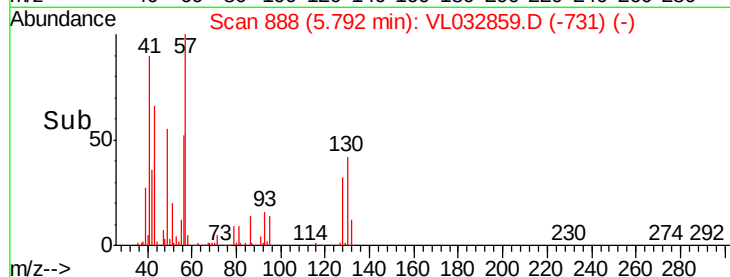
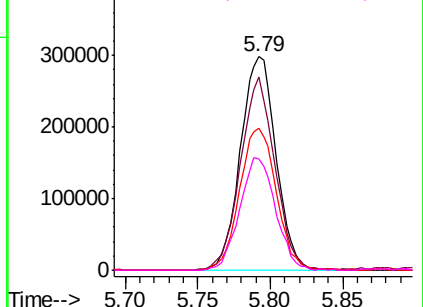


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 13.406 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

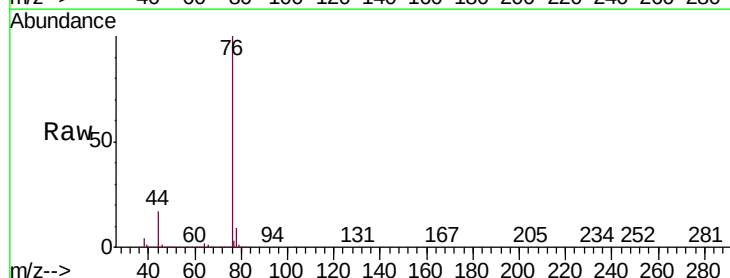
Tgt Ion: 76 Resp: 2464627

Ion Ratio Lower Upper

76 100

44 18.3 14.4 21.6

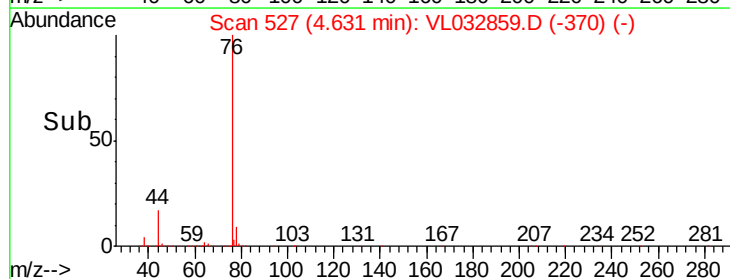
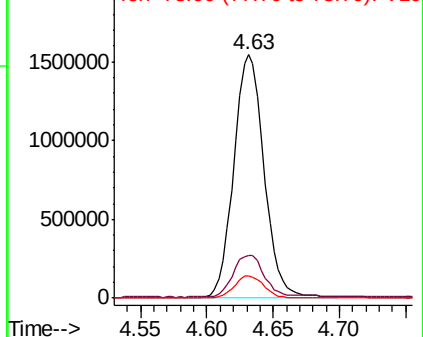
78 9.2 7.7 11.5

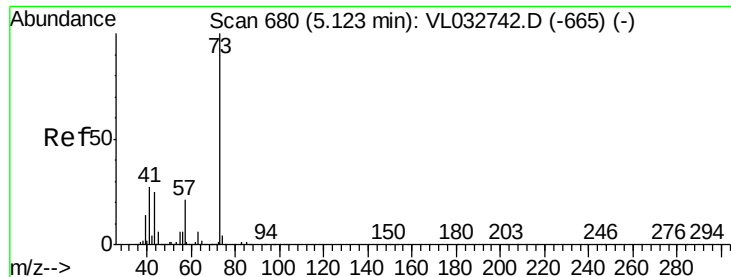


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.033 ppbv

RT: 5.14 min Scan# 684

Delta R.T. 0.01 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampled :

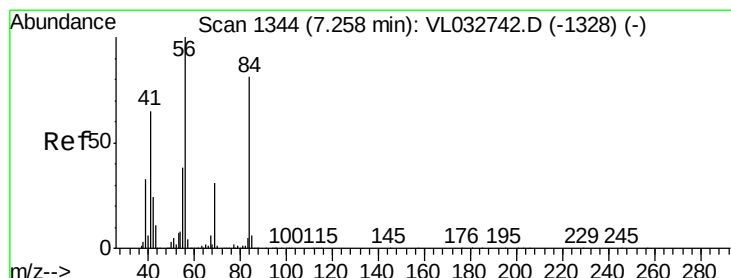
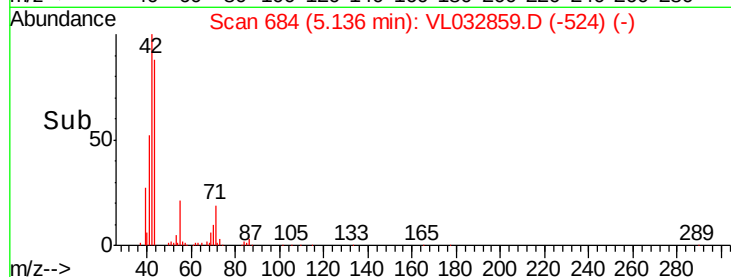
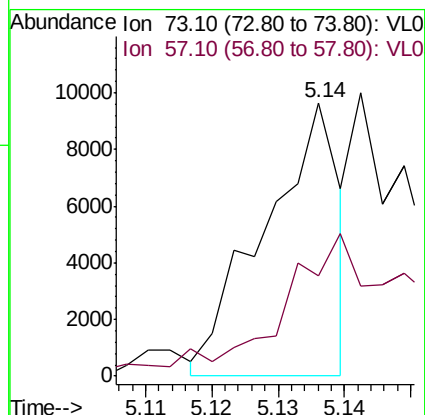
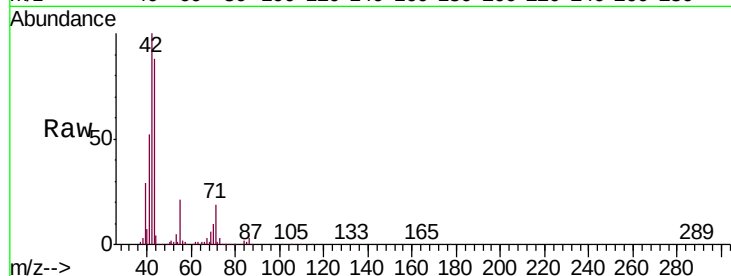
DSV-03DL

Tgt Ion: 73 Resp: 7598

Ion Ratio Lower Upper

73 100

57 0.0 17.5 26.3#



#30

Cyclohexane

Concen: 21.296 ppbv

RT: 7.26 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

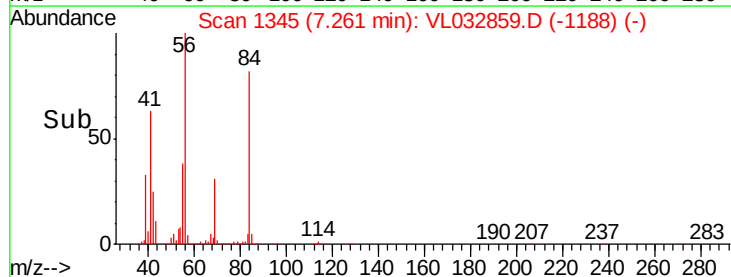
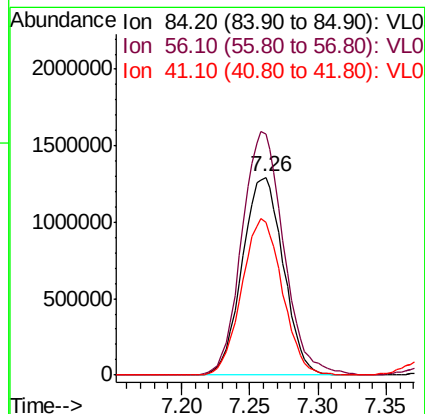
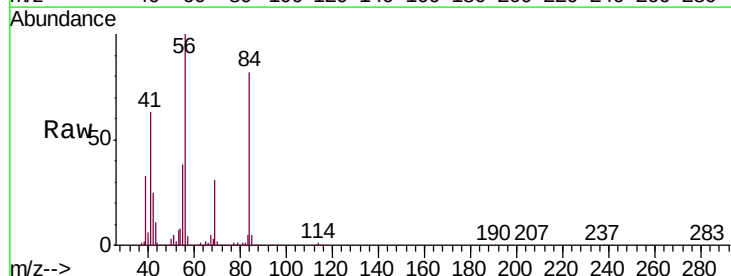
Tgt Ion: 84 Resp: 2700649

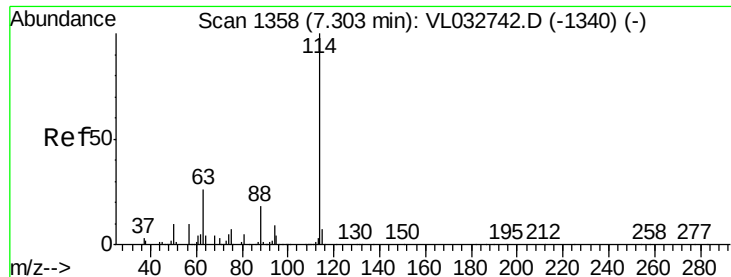
Ion Ratio Lower Upper

84 100

56 125.8 105.0 157.4

41 78.1 65.3 97.9

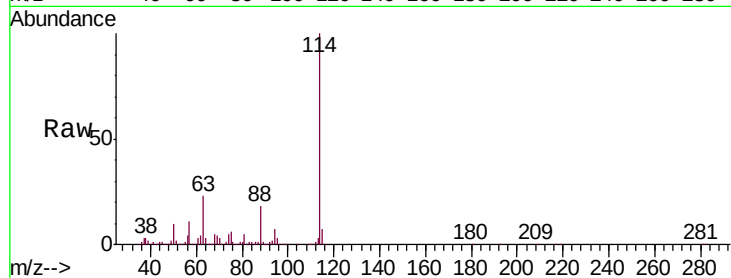




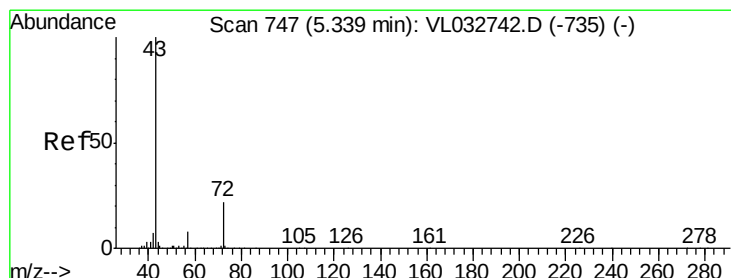
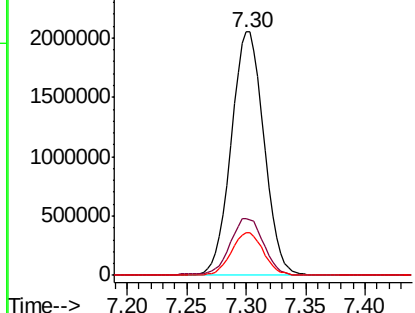
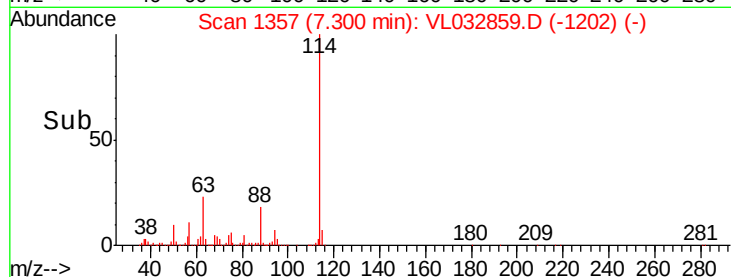
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032859.D
 Acq: 30 Nov 2018 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03DL

Tgt Ion:114 Resp: 3918898
 Ion Ratio Lower Upper
 114 100
 63 24.4 20.9 31.3
 88 17.3 14.4 21.6

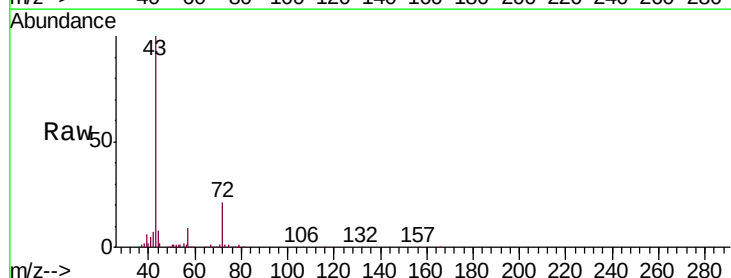


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

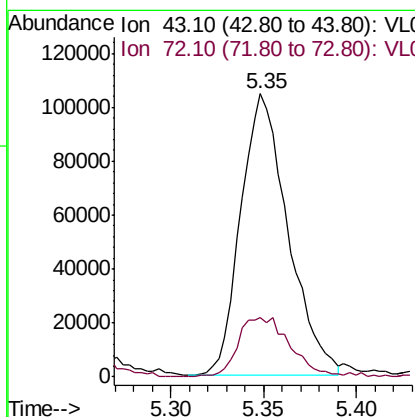
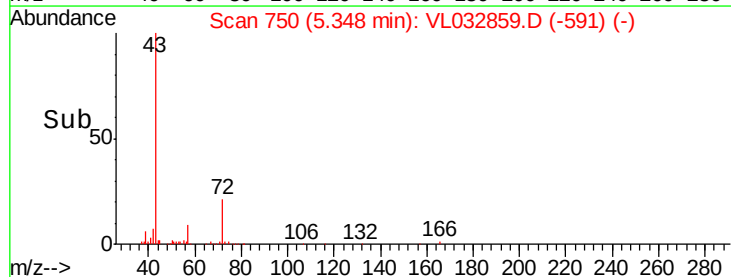


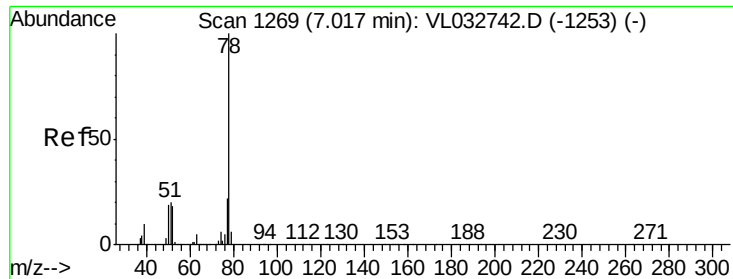
#34
 2-Butanone
 Concen: 0.912 ppbv
 RT: 5.35 min Scan# 750
 Delta R.T. 0.01 min
 Lab File: VL032859.D
 Acq: 30 Nov 2018 21:38

Tgt Ion: 43 Resp: 185392
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 12.571 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

DSV-03DL

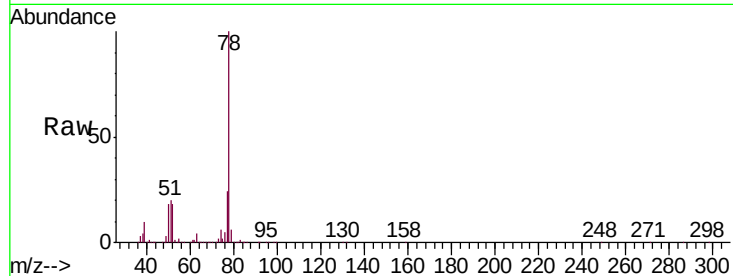
Tgt Ion: 78 Resp: 3922951

Ion Ratio Lower Upper

78 100

77 23.7 17.8 26.8

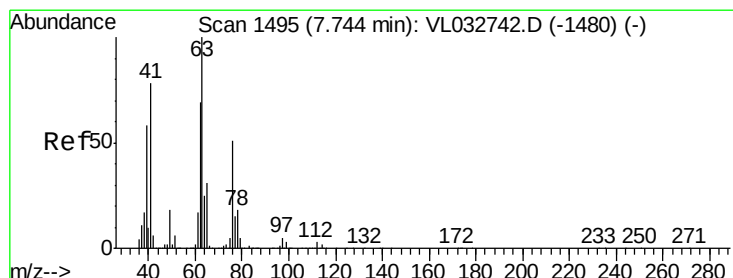
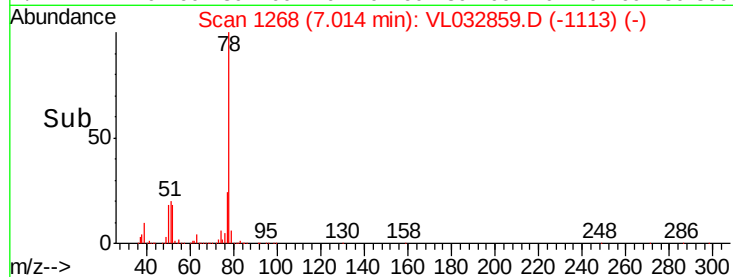
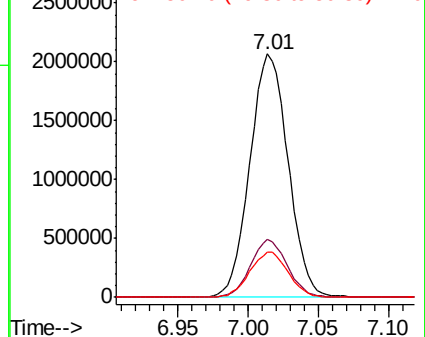
50 18.3 15.4 23.0



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: 7.830 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

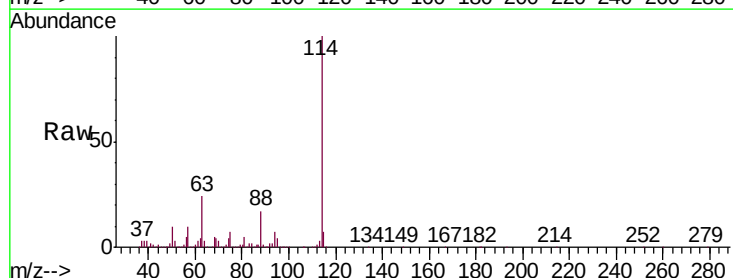
Tgt Ion: 63 Resp: 931036

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

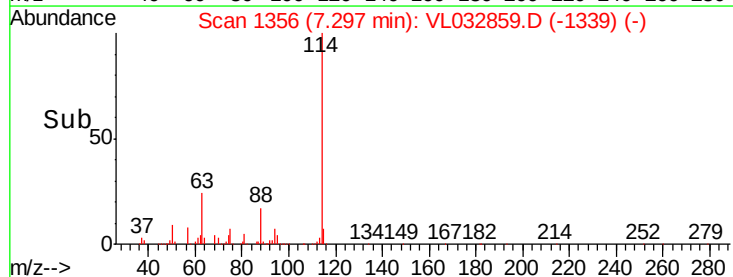
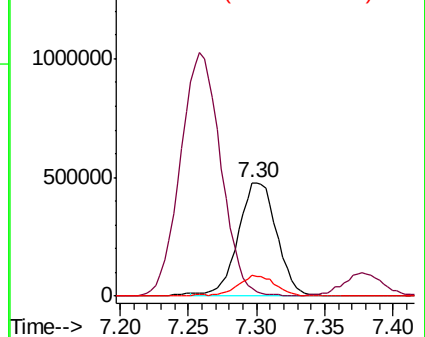
62 17.8 55.4 83.2#

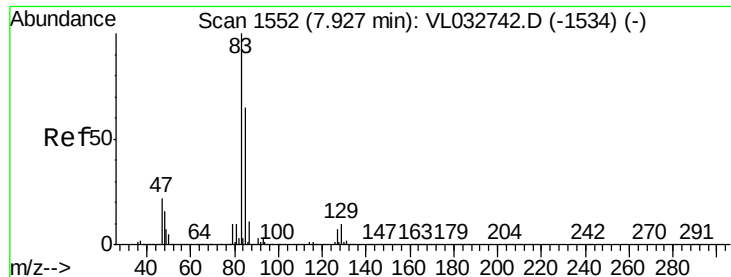


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.174 ppbv

RT: 7.93 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

DSV-03DL

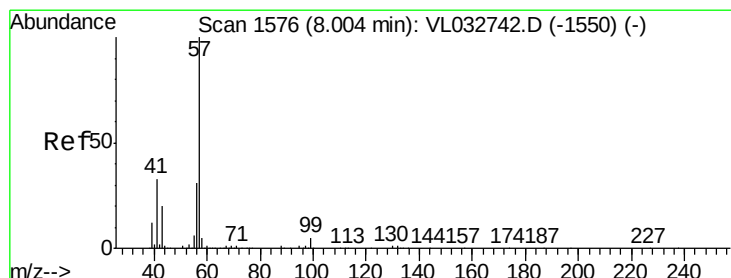
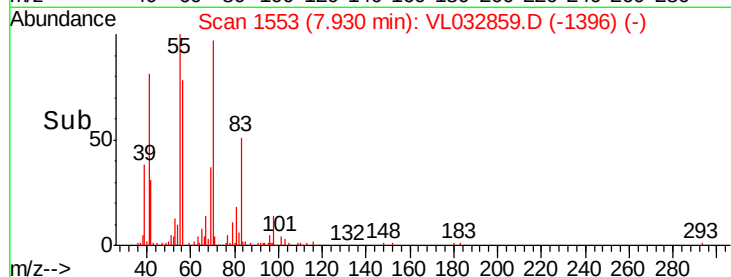
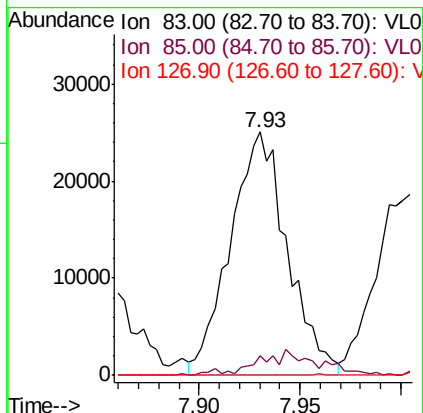
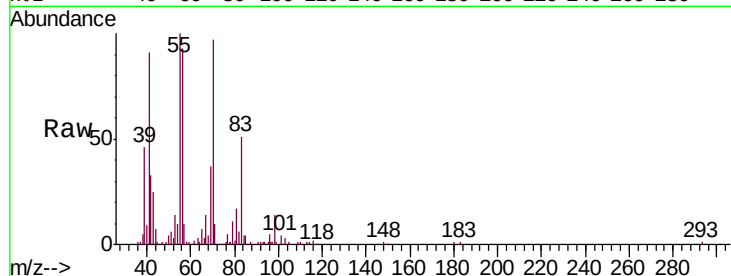
Tgt Ion: 83 Resp: 49423

Ion Ratio Lower Upper

83 100

85 8.4 51.8 77.8#

127 0.0 5.9 8.9#



#44

2,2,4-Trimethylpentane

Concen: 0.435 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

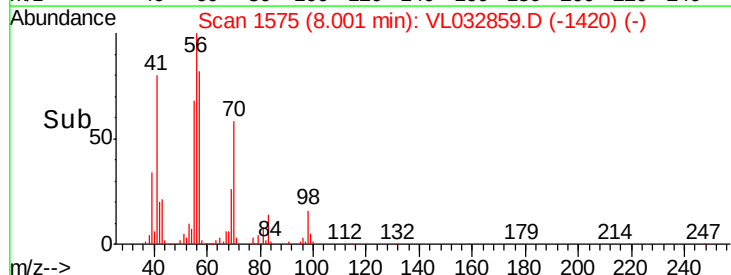
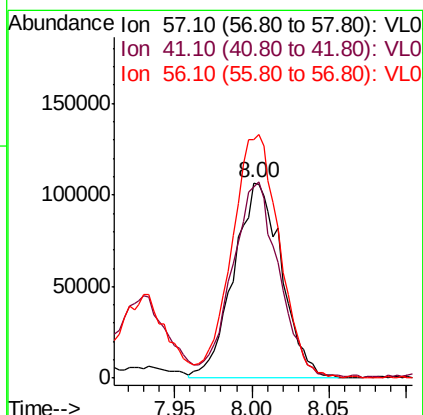
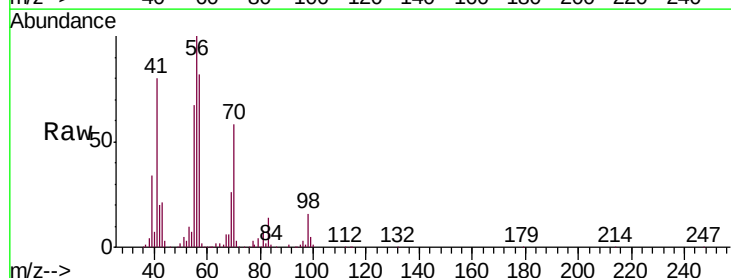
Tgt Ion: 57 Resp: 227082

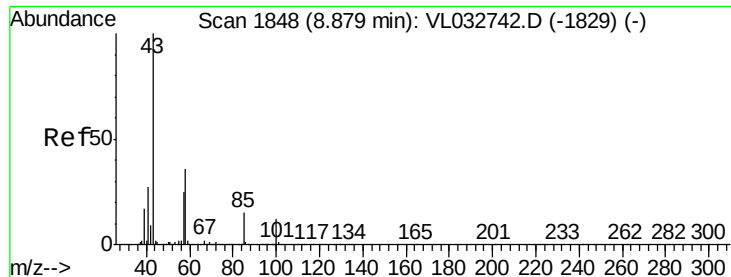
Ion Ratio Lower Upper

57 100

41 99.5 26.6 39.8#

56 125.3 24.8 37.2#

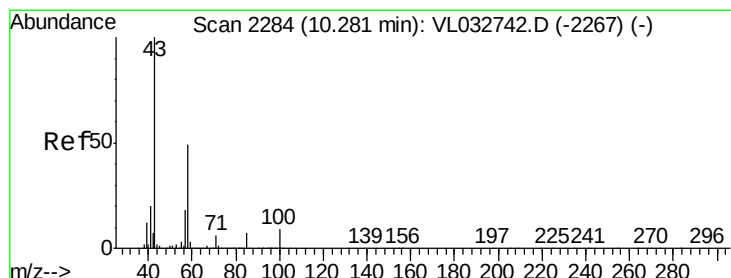
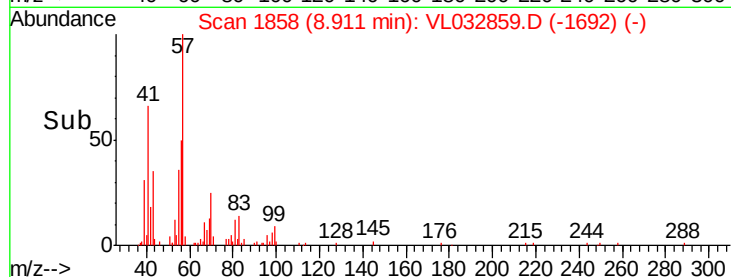
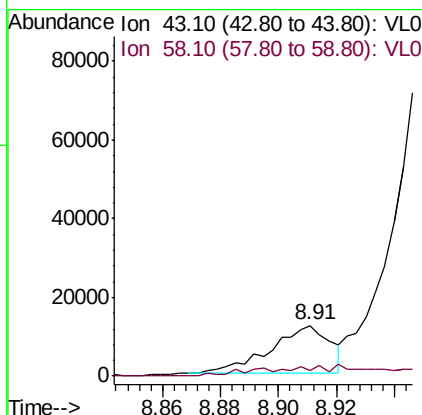
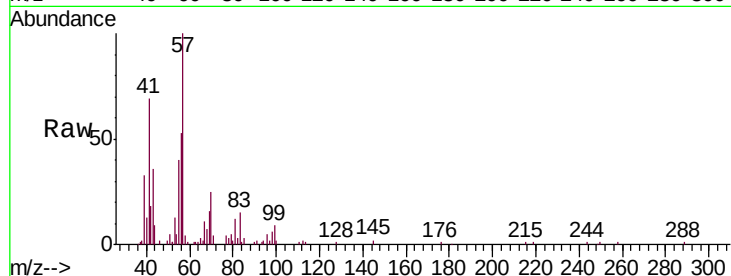




#50
 4-Methyl-2-Pentanone
 Concen: 0.056 ppbv
 RT: 8.91 min Scan# 1858
 Delta R.T. 0.03 min
 Lab File: VL032859.D
 Acq: 30 Nov 2018 21:38

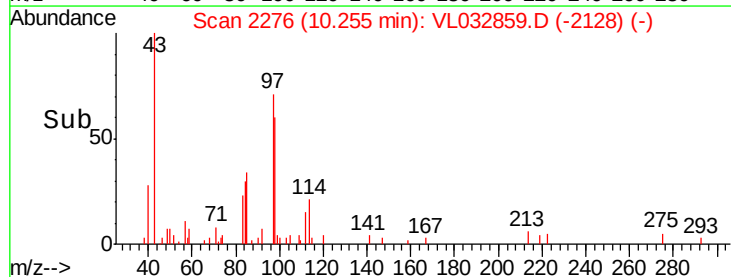
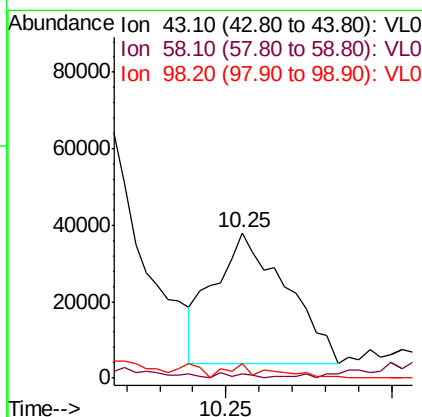
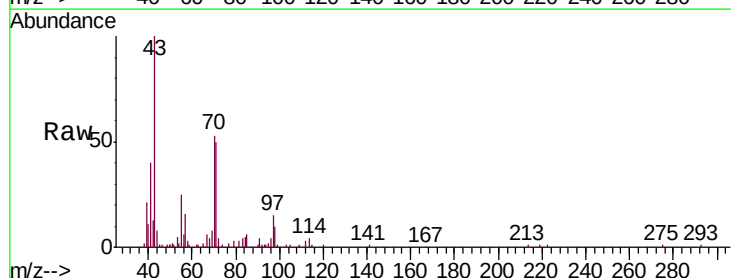
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-03DL

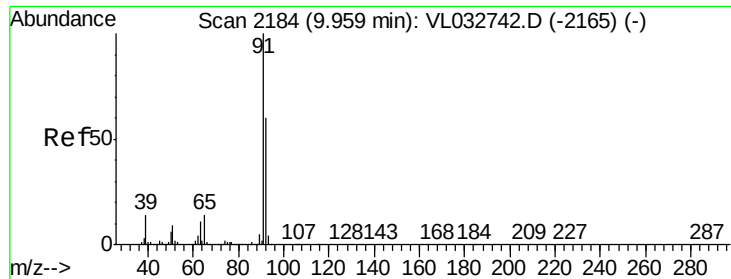
Tgt Ion: 43 Resp: 17695
 Ion Ratio Lower Upper
 43 100
 58 38.9 28.8 43.2



#51
 2-Hexanone
 Concen: 0.252 ppbv
 RT: 10.25 min Scan# 2276
 Delta R.T. -0.03 min
 Lab File: VL032859.D
 Acq: 30 Nov 2018 21:38

Tgt Ion: 43 Resp: 51539
 Ion Ratio Lower Upper
 43 100
 58 0.0 38.9 58.3#
 98 0.0 0.2 0.4#





#53

Toluene

Concen: 5.365 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

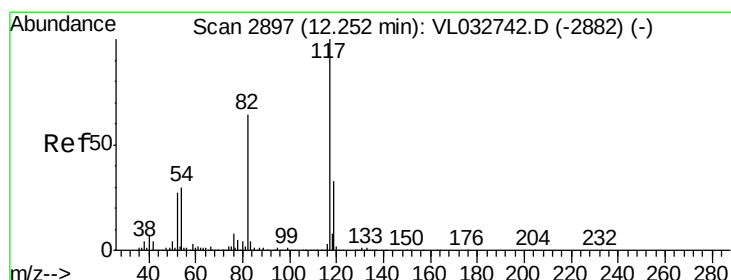
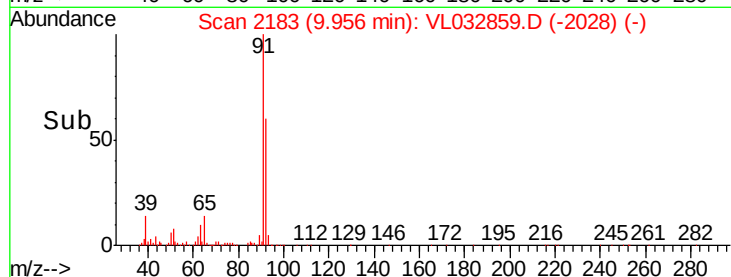
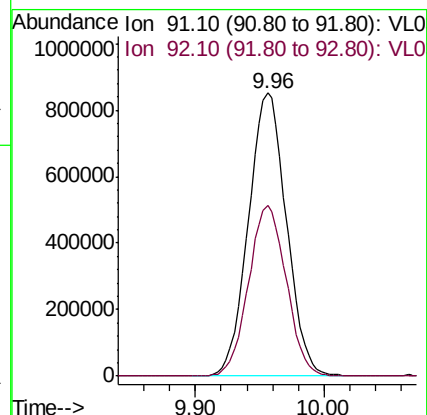
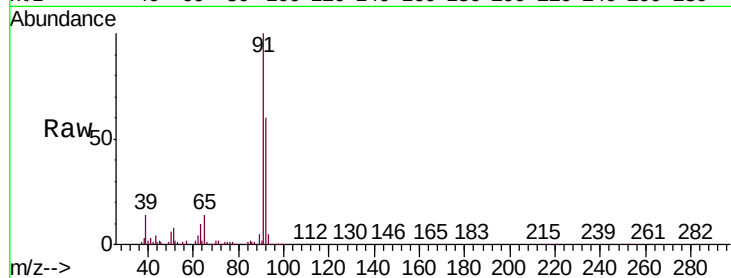
DSV-03DL

Tgt Ion: 91 Resp: 1746654

Ion Ratio Lower Upper

91 100

92 60.0 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

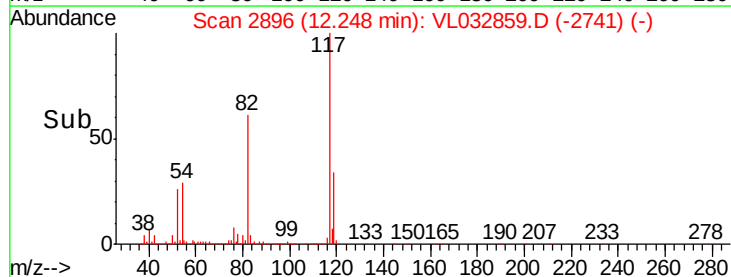
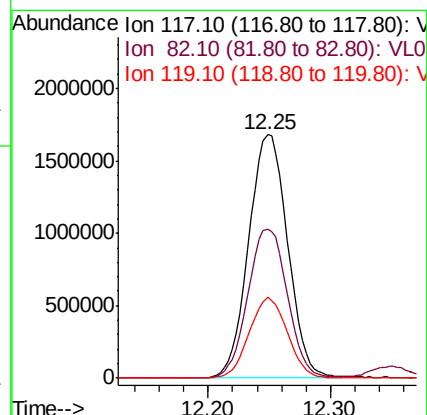
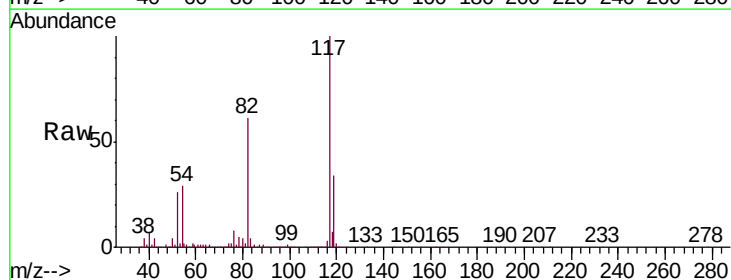
Tgt Ion: 117 Resp: 3716881

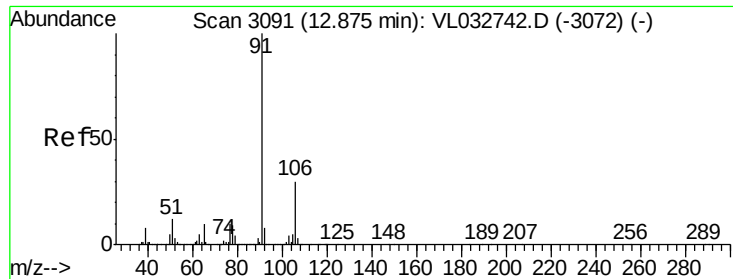
Ion Ratio Lower Upper

117 100

82 62.1 51.0 76.6

119 32.7 28.0 42.0





#58

Ethyl Benzene

Concen: 0.649 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

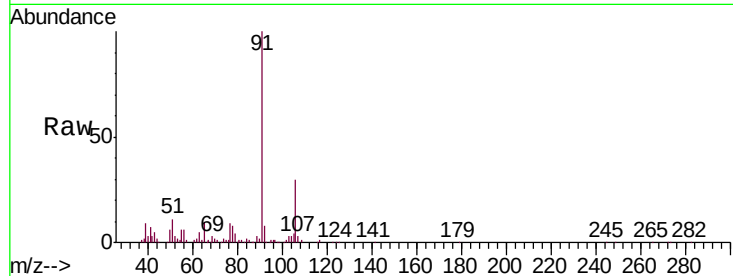
DSV-03DL

Tgt Ion: 91 Resp: 290307

Ion Ratio Lower Upper

91 100

106 30.3 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.88

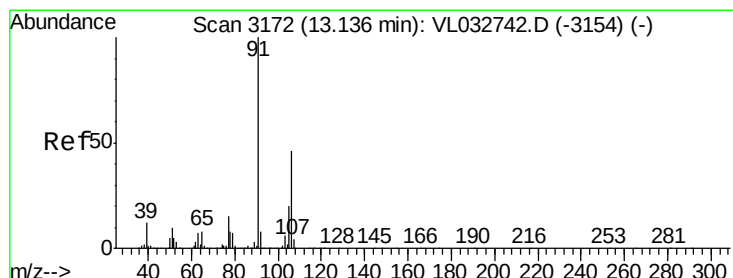
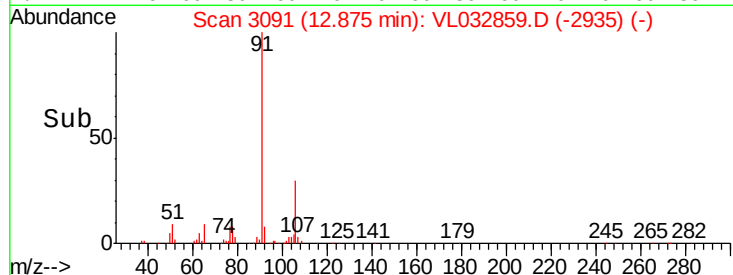
150000

100000

50000

0

Time-->



#59

m/p-Xylene

Concen: 2.178 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.01 min

Lab File: VL032859.D

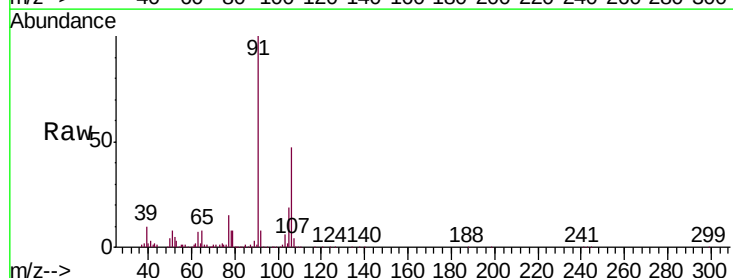
Acq: 30 Nov 2018 21:38

Tgt Ion: 91 Resp: 867432

Ion Ratio Lower Upper

91 100

106 48.0 36.1 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.13

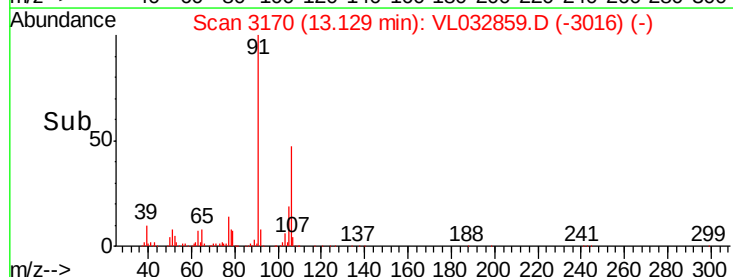
300000

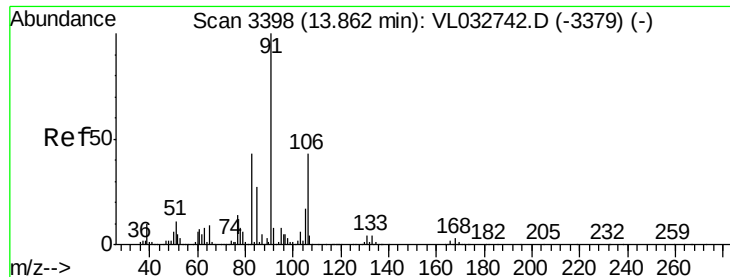
200000

100000

0

Time-->





#60

o-Xylene

Concen: 0.495 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

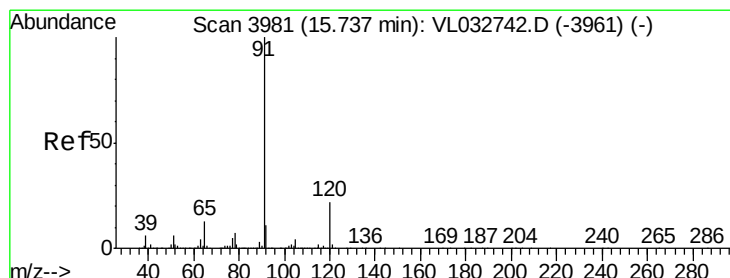
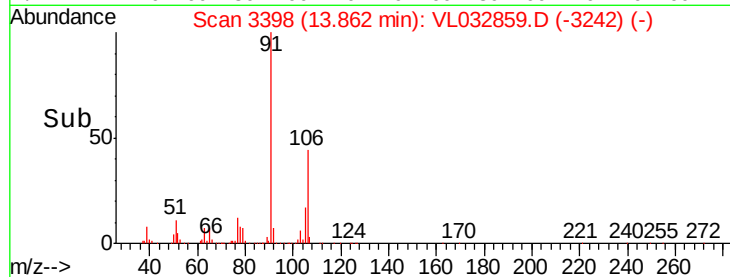
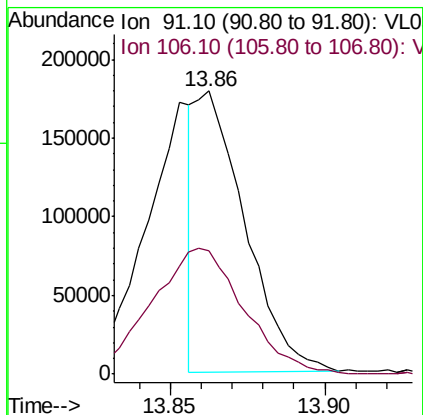
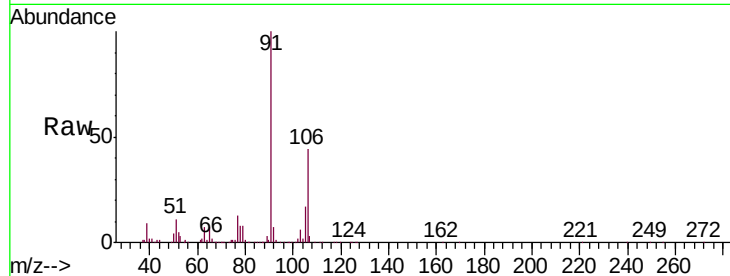
DSV-03DL

Tgt Ion: 91 Resp: 198292

Ion Ratio Lower Upper

91 100

106 85.5 21.9 65.7#



#64

n-propylbenzene

Concen: 0.040 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL032859.D

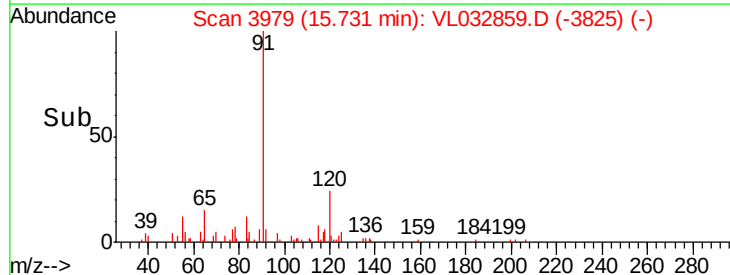
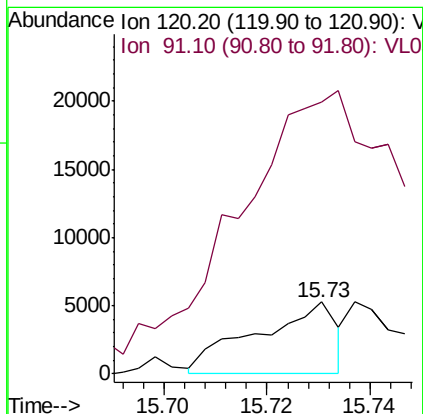
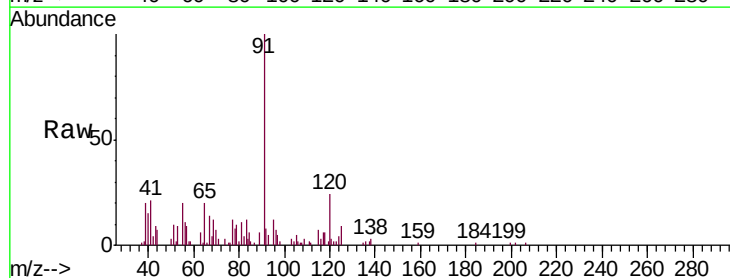
Acq: 30 Nov 2018 21:38

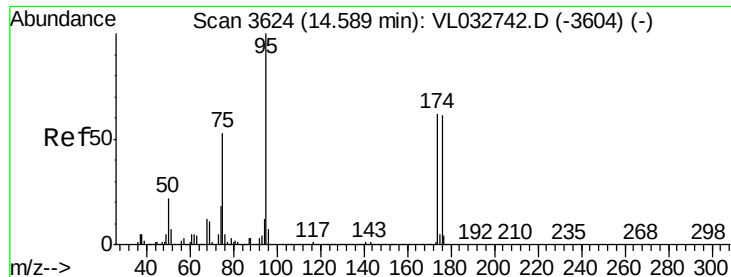
Tgt Ion: 120 Resp: 5658

Ion Ratio Lower Upper

120 100

91 0.0 381.7 572.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.125 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

DSV-03DL

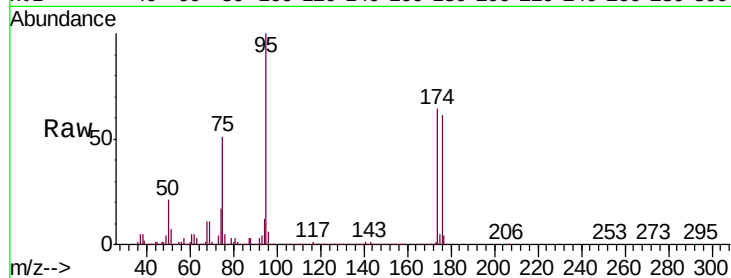
Tgt Ion: 95 Resp: 2814854

Ion Ratio Lower Upper

95 100

174 66.0 50.7 76.1

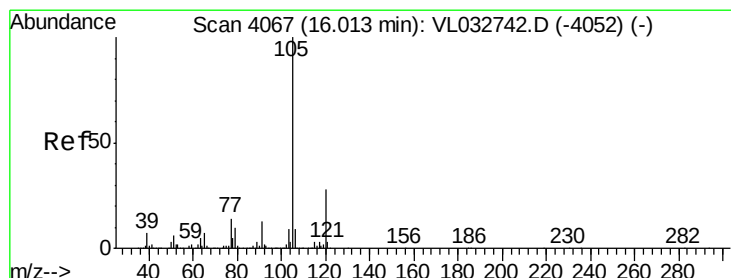
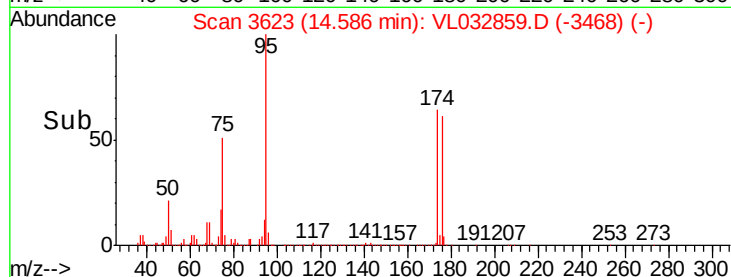
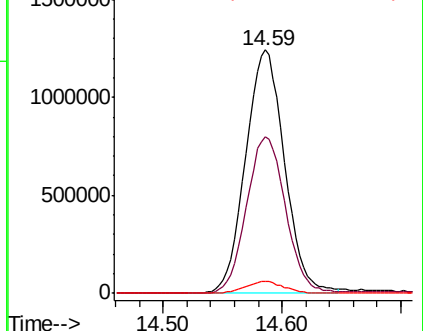
175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.138 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Tgt Ion: 105 Resp: 60543

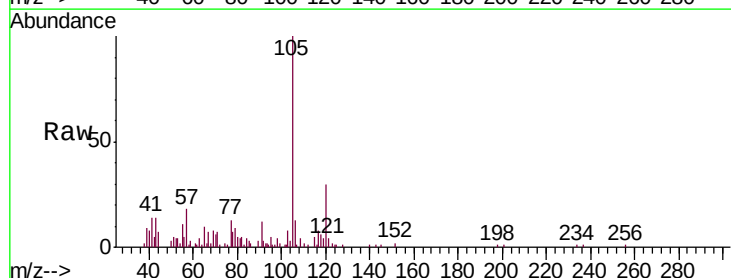
Ion Ratio Lower Upper

105 100

120 32.1 22.9 34.3

91 19.7 10.6 15.8#

77 19.3 11.4 17.2#

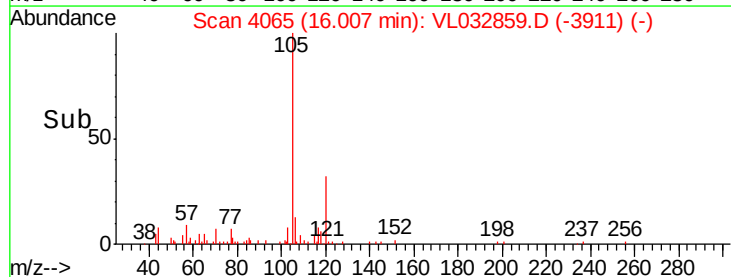
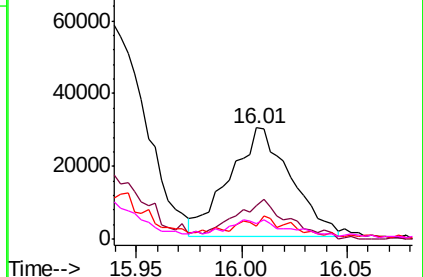


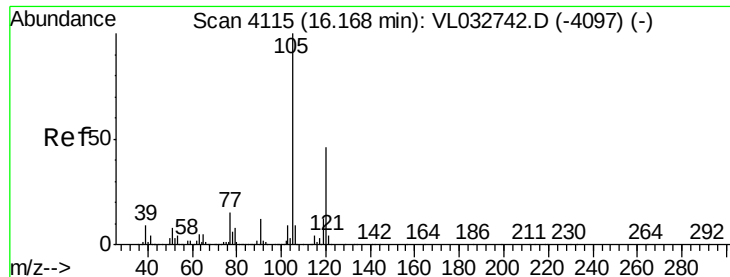
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.095 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.01 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Instrument :

MSVOA_L

ClientSampleId :

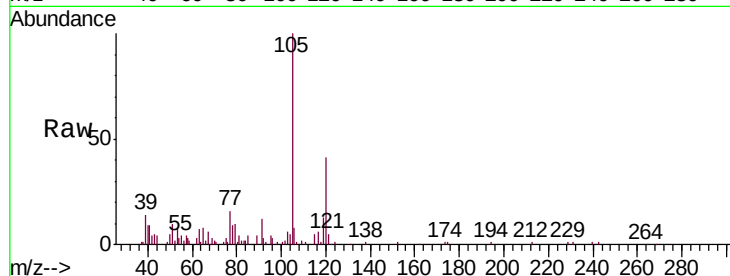
DSV-03DL

Tgt Ion:105 Resp: 40943

Ion Ratio Lower Upper

105 100

120 41.6 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.16

40000

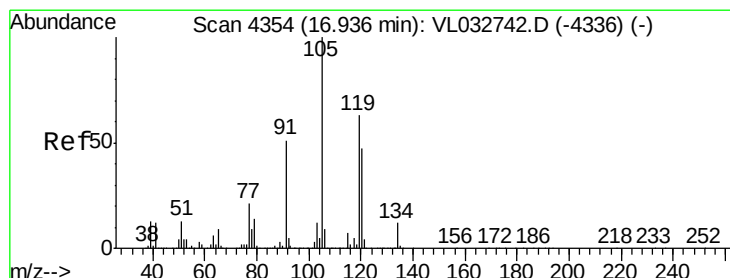
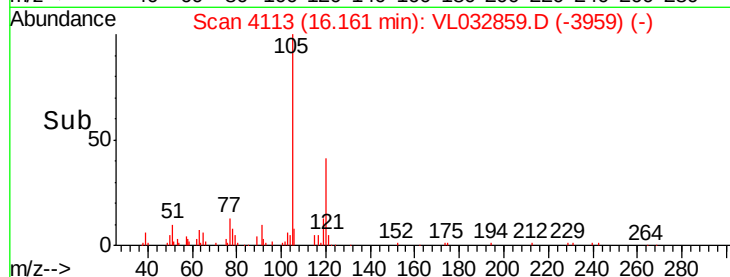
30000

20000

10000

0

Time--> 16.10 16.15



#74

1,2,4-Trimethylbenzene

Concen: 0.453 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL032859.D

Acq: 30 Nov 2018 21:38

Tgt Ion:105 Resp: 207920

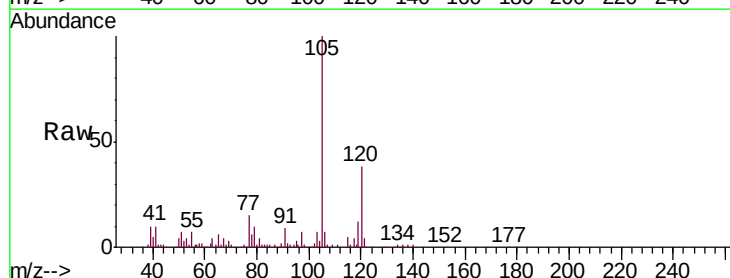
Ion Ratio Lower Upper

105 100

120 37.4 37.6 56.4#

91 7.7 42.5 63.7#

77 14.6 17.4 26.2#



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

16.94

150000

100000

50000

0

Time--> 16.85 16.90 16.95 17.00

