

Data File : VL032855.D

Acq On : 30 Nov 2018 19:02

Operator : SY/AP

Sample : J6132-02

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DSV-01

Quant Time: Dec 01 02:24:54 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	5.77	49	1464350	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3826790	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3707934	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2897988	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	21668	0.103	ppbv	94
3) Chlorodifluoromethane	3.02	51	37157	0.320	ppbv	94
4) Chloromethane	3.17	50	112345	1.745	ppbv	95
9) Propene	3.04	41	7407331	159.438	ppbv	97
10) Heptane	8.26	43	254838	1.437	ppbv	98
11) Trichlorofluoromethane	4.01	101	53572	0.270	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.56	101	7376	0.046	ppbv #	37
13) Ethanol	3.65	45	601514	39.529	ppbv	99
15) Acetone	3.90	43	2367138	17.701	ppbv #	62
16) 1,3-Butadiene	3.35	39	4155190	80.235	ppbv #	26
17) tert-Butyl alcohol	4.37	59	64887	1.547	ppbv #	73
19) Isopropyl Alcohol	4.03	45	26510	0.298	ppbv #	1
20) Methylene Chloride	4.42	84	290502	4.196	ppbv	94
21) Allyl Chloride	4.47	41	96188	0.856	ppbv #	1
23) Vinyl Acetate	5.15	43	410300	1.683	ppbv #	1
25) Ethyl Acetate	5.79	43	942158	3.023	ppbv #	81
26) Hexane	5.79	57	1275785	9.195	ppbv #	43
27) Carbon Disulfide	4.63	76	7668341	43.587	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	7516	0.034	ppbv #	54
29) Chloroform	5.86	83	46989	0.190	ppbv	98
30) Cyclohexane	7.26	84	490885	4.045	ppbv	88
31) cis-1,2-Dichloroethene	5.65	61	49836	0.357	ppbv	98
34) 2-Butanone	5.33	43	2735463	13.782	ppbv	99
35) Carbon Tetrachloride	7.14	117	17420	0.057	ppbv #	73
36) Benzene	7.01	78	2049959	6.727	ppbv	99
38) Trichloroethene	7.97	130	7713	0.063	ppbv #	80
39) 1,2-Dichloropropane	7.30	63	907510	7.816	ppbv #	23
41) Tetrahydrofuran	6.17	42	5822	0.051	ppbv #	13
42) Bromodichloromethane	7.92	83	22165	0.080	ppbv #	34
44) 2,2,4-Trimethylpentane	8.00	57	827751	1.625	ppbv #	70
50) 4-Methyl-2-Pentanone	8.89	43	42802	0.138	ppbv #	70
51) 2-Hexanone	10.28	43	355314	1.779	ppbv #	93
52) Tetrachloroethene	11.38	164	39458	0.372	ppbv #	85
53) Toluene	9.96	91	2941330	9.252	ppbv	99
58) Ethyl Benzene	12.87	91	601824	1.349	ppbv	99
59) m/p-Xylene	13.13	91	1611639	4.057	ppbv	98
60) o-Xylene	13.86	91	898841	2.250	ppbv	98
61) Styrene	13.69	104	120047	0.462	ppbv	97
62) Isopropylbenzene	14.84	105	137463	0.255	ppbv	98
64) n-propylbenzene	15.73	120	65220	0.459	ppbv	99
65) tert-Butylbenzene	16.93	119	67947	0.140	ppbv #	23

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

Data File : VL032855.D
Acq On : 30 Nov 2018 19:02
Operator : SY/AP
Sample : J6132-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DSV-01

Quant Time: Dec 01 02:24:54 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)
67) sec-Butylbenzene	17.47	105	118644	0.170	ppbv	97
69) p-Isopropyltoluene	17.82	119	118498	0.214	ppbv	97
70) n-Butylbenzene	18.72	91	34557	0.061	ppbv #	31
71) 2-Chlorotoluene	15.72	91	127646	0.317	ppbv #	44
72) 4-Ethyltoluene	16.01	105	315577	0.721	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	399313	0.933	ppbv	91
74) 1,2,4-Trimethylbenzene	16.93	105	891363	1.946	ppbv #	71
79) Naphthalene	22.42	128	30762	0.102	ppbv #	94
80) Naphthalene,2-methyl-	25.11	142	3664	0.049	ppbv #	87

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

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Acq On : 30 Nov 2018 19:02

Operator : SY/AP

Sample : J6132-02

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DSV-01

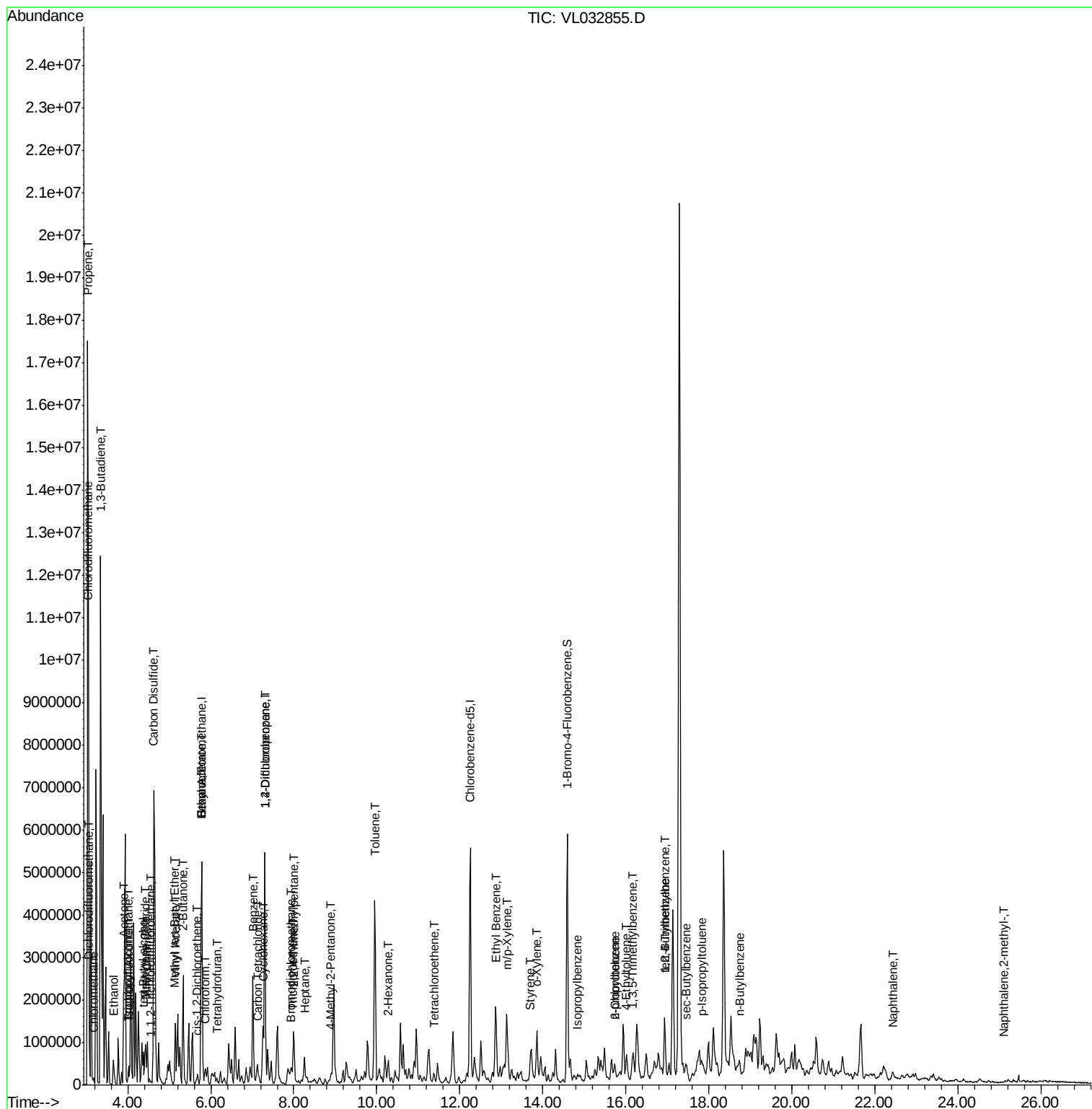
Quant Time: Dec 01 02:24:54 2018

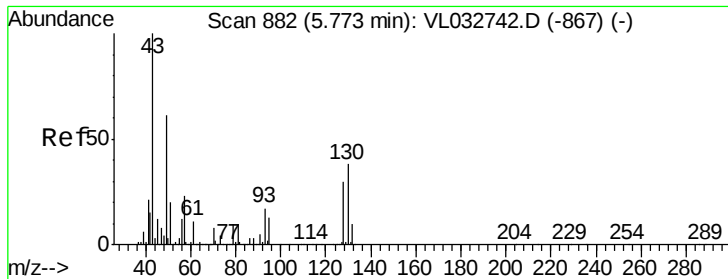
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL111418AIR.M

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# 881

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

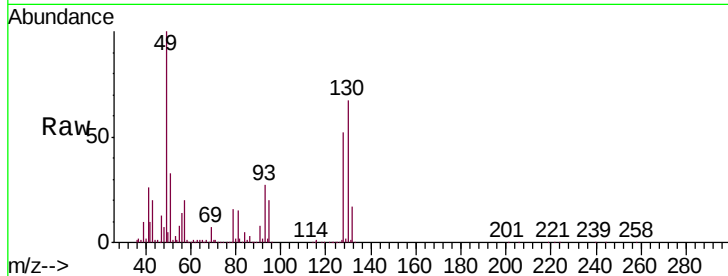
Tgt Ion: 49 Resp: 1464350

Ion Ratio Lower Upper

49 100

128 52.6 24.9 74.6

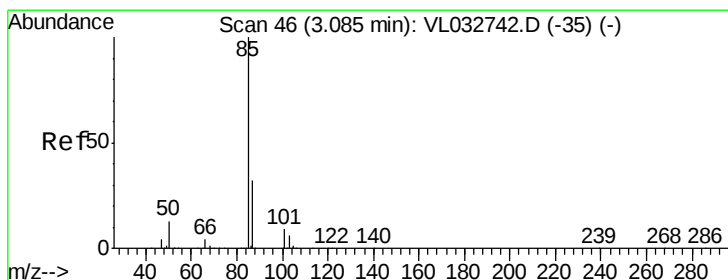
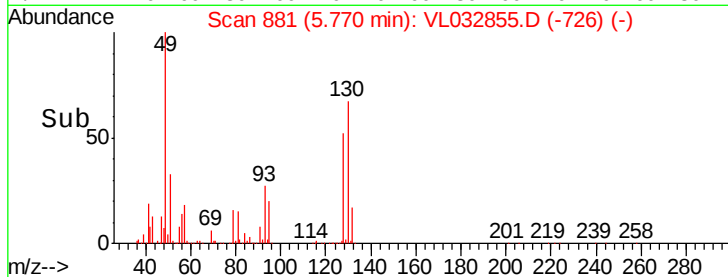
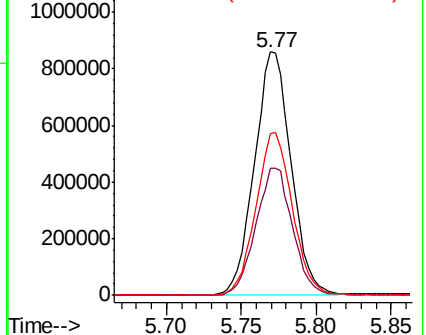
130 67.0 31.4 94.2



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: 0.103 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.01 min

Lab File: VL032855.D

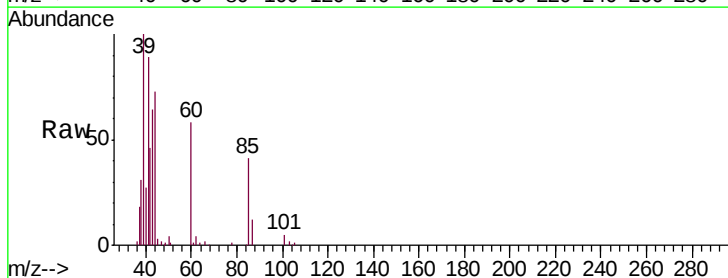
Acq: 30 Nov 2018 19:02

Tgt Ion: 85 Resp: 21668

Ion Ratio Lower Upper

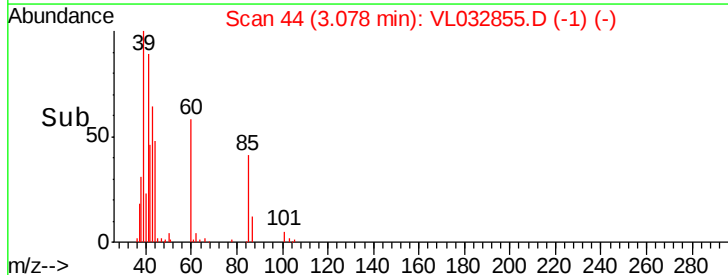
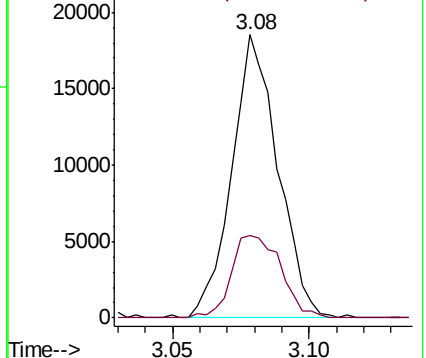
85 100

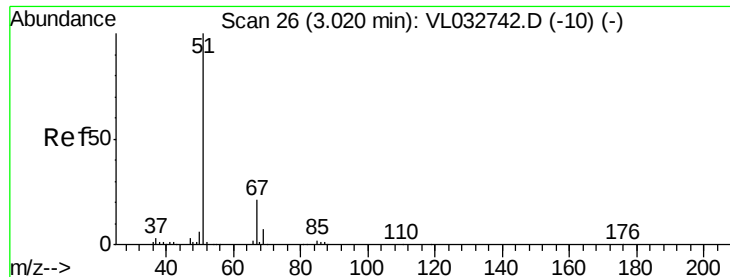
87 29.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.320 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

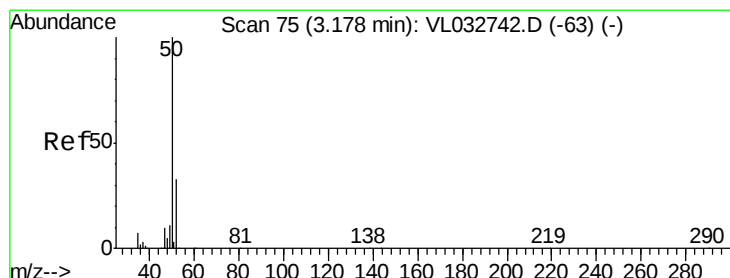
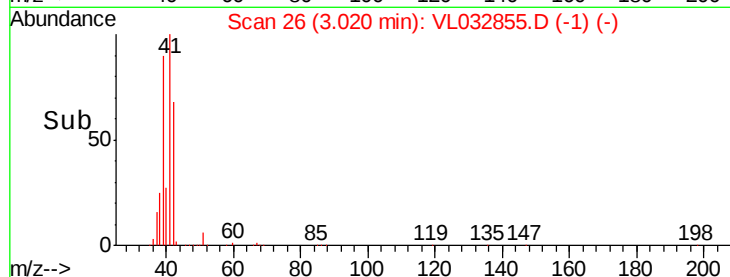
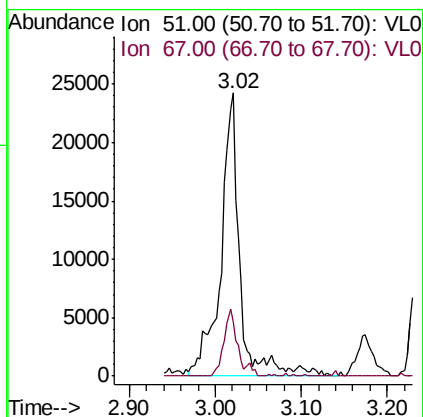
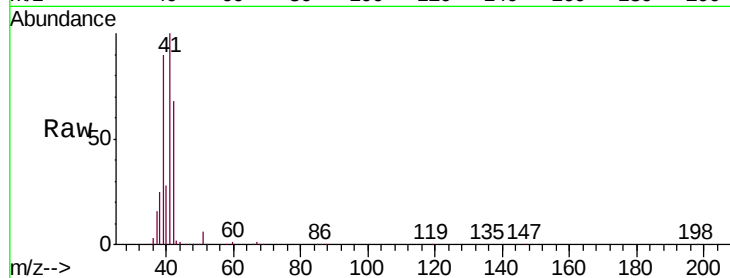
DSV-01

Tgt Ion: 51 Resp: 37157

Ion Ratio Lower Upper

51 100

67 17.2 16.1 24.1



#4

Chloromethane

Concen: 1.745 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032855.D

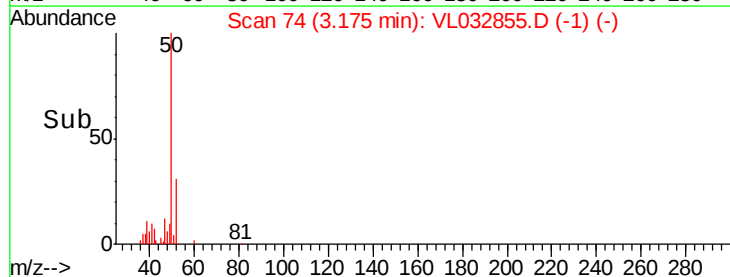
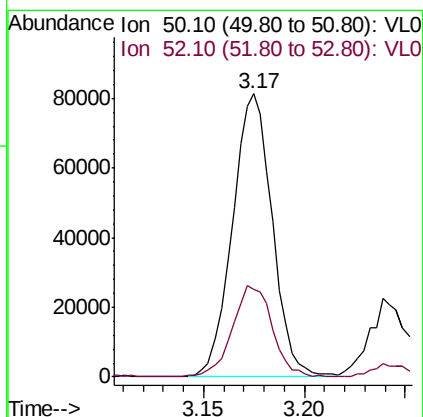
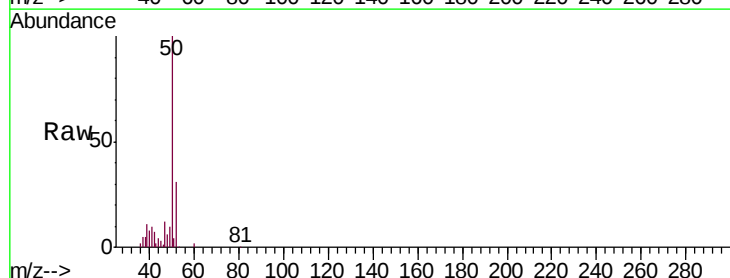
Acq: 30 Nov 2018 19:02

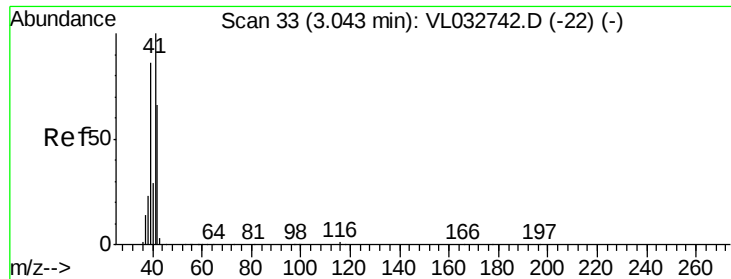
Tgt Ion: 50 Resp: 112345

Ion Ratio Lower Upper

50 100

52 30.5 26.6 40.0





#9

Propene

Concen: 159.438 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

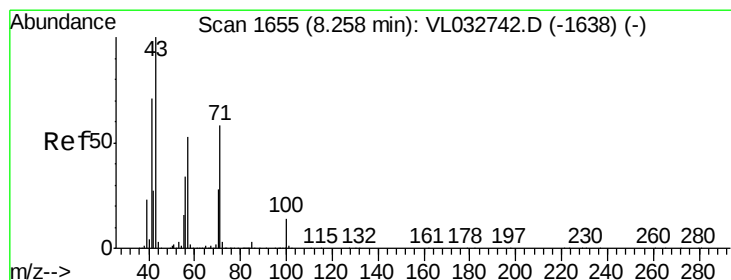
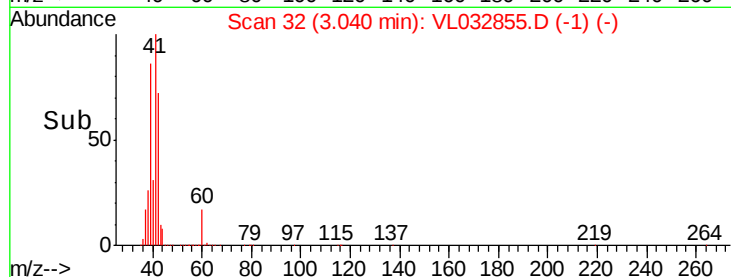
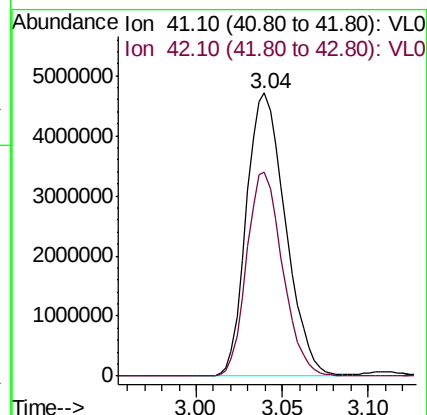
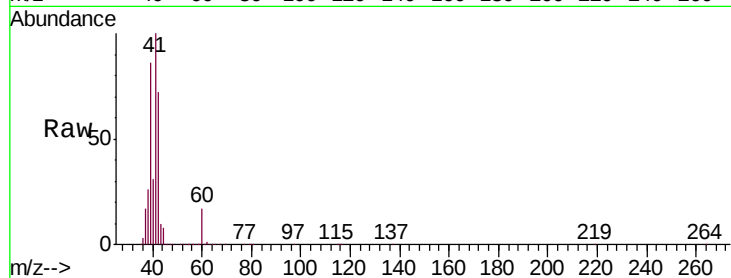
DSV-01

Tgt Ion: 41 Resp: 7407331

Ion Ratio Lower Upper

41 100

42 66.6 55.0 82.6



#10

Heptane

Concen: 1.437 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032855.D

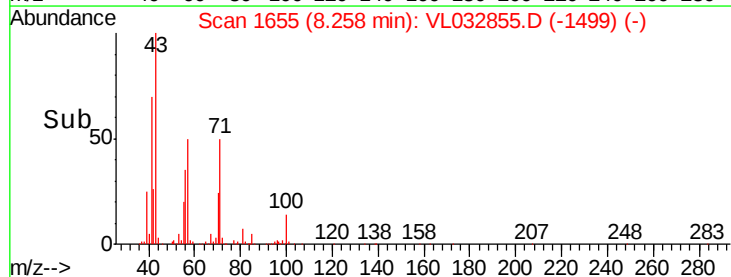
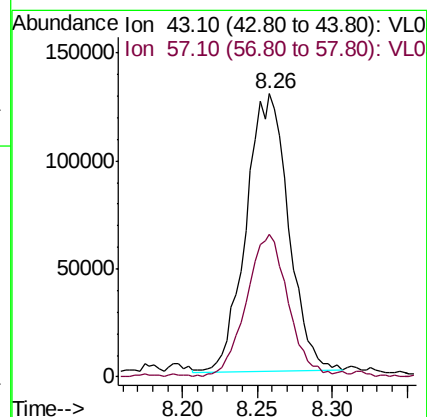
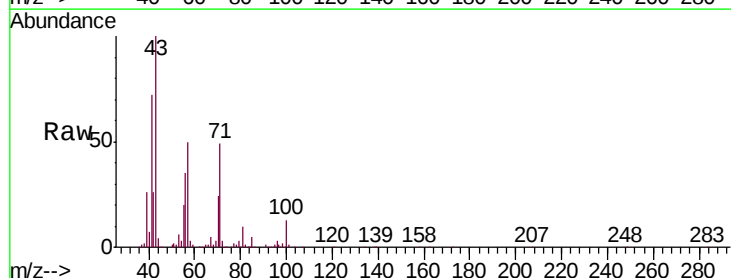
Acq: 30 Nov 2018 19:02

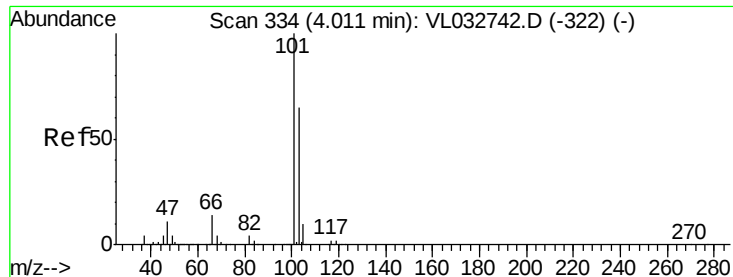
Tgt Ion: 43 Resp: 254838

Ion Ratio Lower Upper

43 100

57 51.2 41.8 62.8

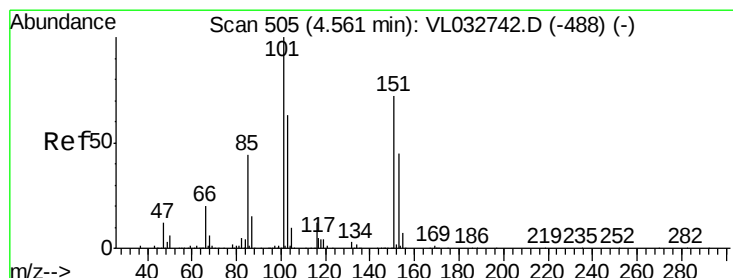
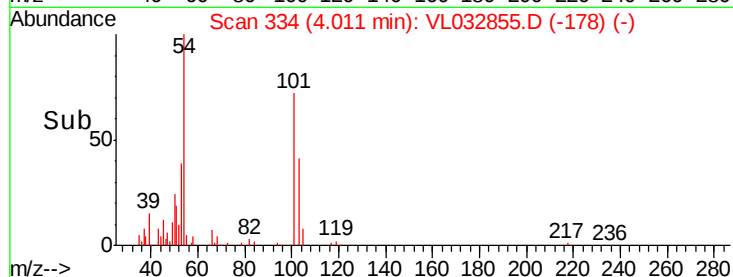
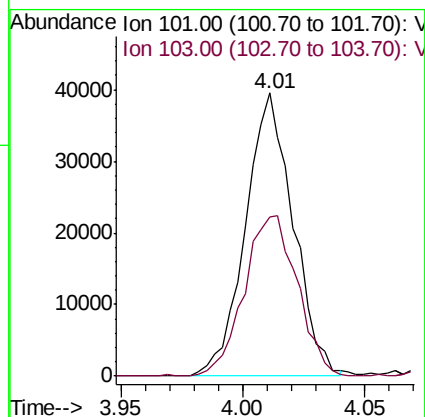
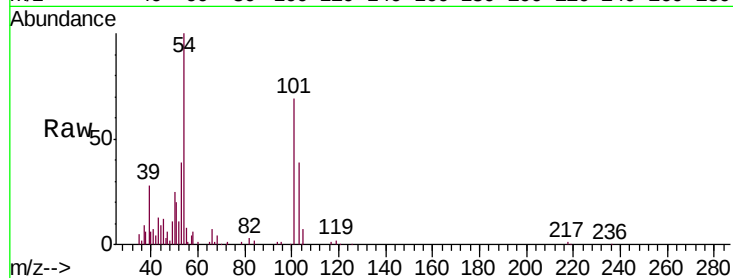




#11
 Trichlorofluoromethane
 Concen: 0.270 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

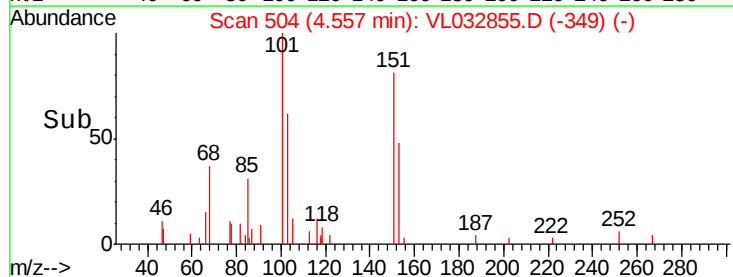
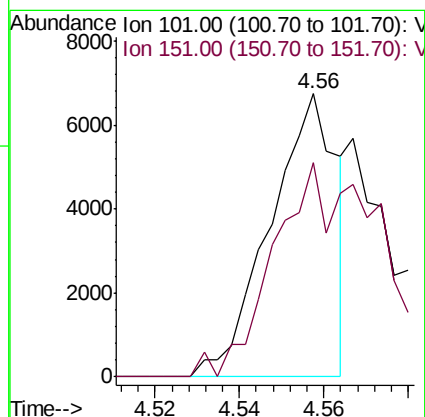
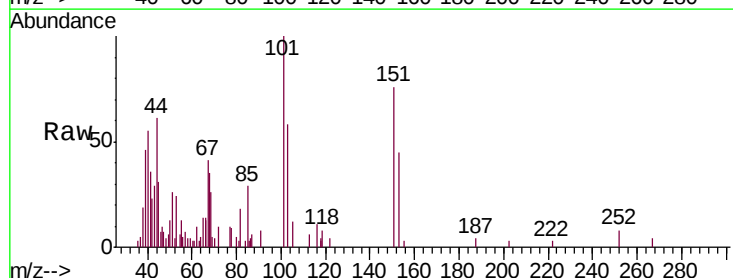
Instrument :
 MSVOA_L
 ClientSampled :
 DSV-01

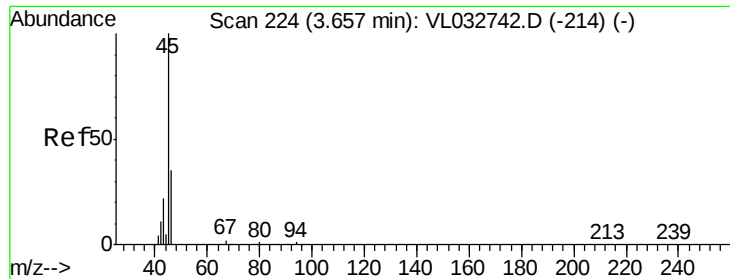
Tgt Ion:101 Resp: 53572
 Ion Ratio Lower Upper
 101 100
 103 56.4 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.046 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Tgt Ion:101 Resp: 7376
 Ion Ratio Lower Upper
 101 100
 151 122.7 56.7 85.1#





#13

Ethanol

Concen: 39.529 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

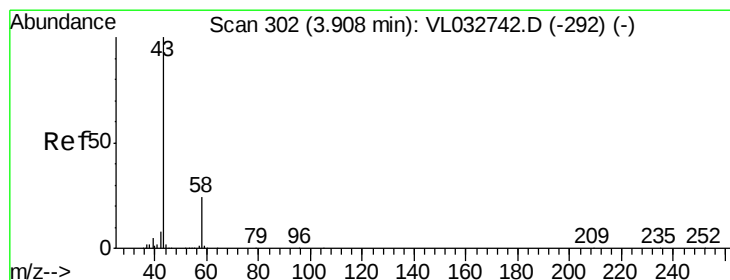
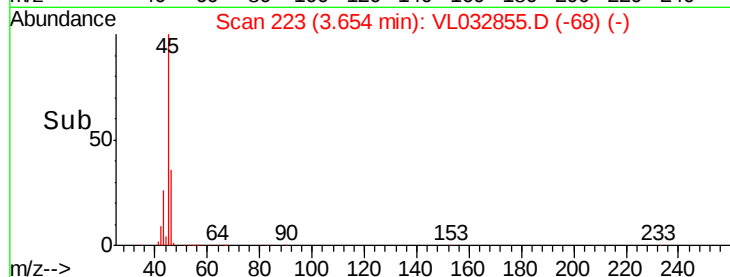
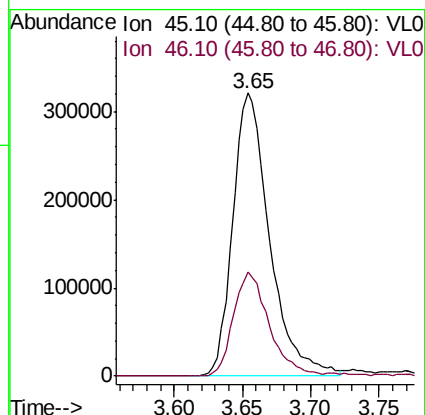
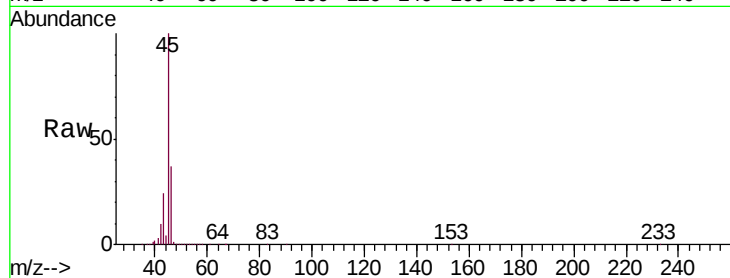
DSV-01

Tgt Ion: 45 Resp: 601514

Ion Ratio Lower Upper

45 100

46 36.6 14.5 57.9



#15

Acetone

Concen: 17.701 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032855.D

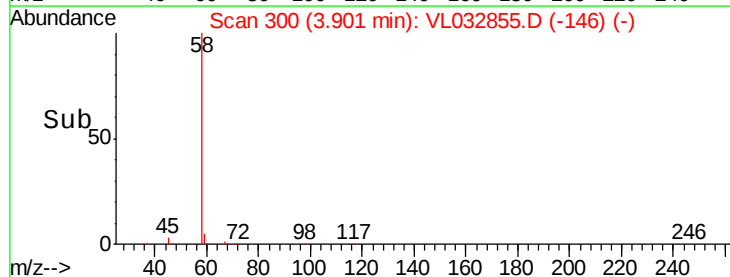
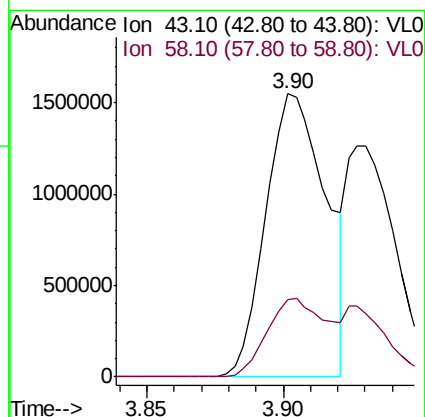
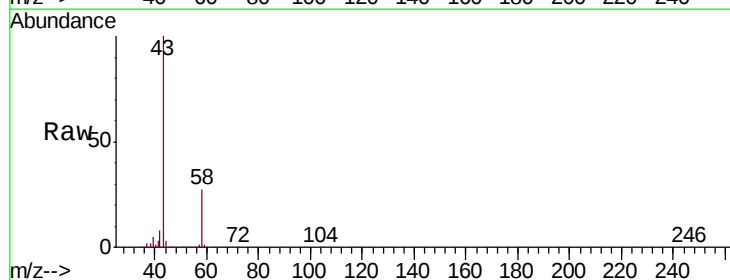
Acq: 30 Nov 2018 19:02

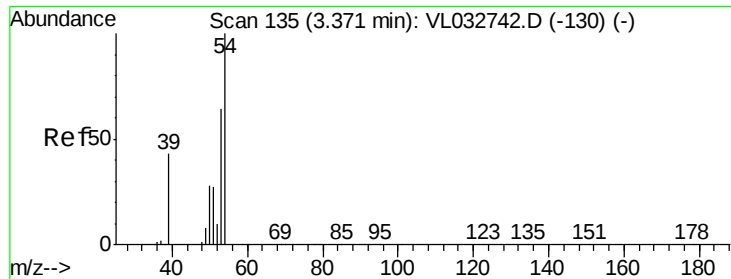
Tgt Ion: 43 Resp: 2367138

Ion Ratio Lower Upper

43 100

58 45.7 21.1 31.7#

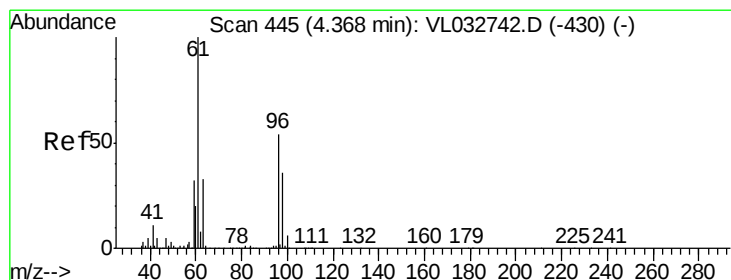
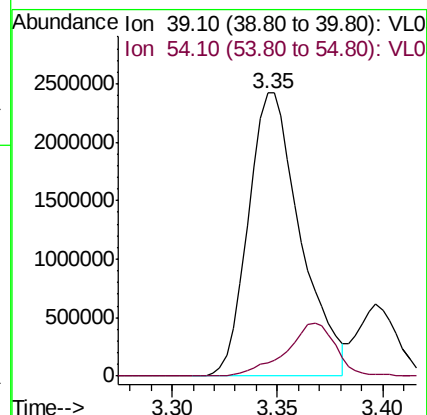
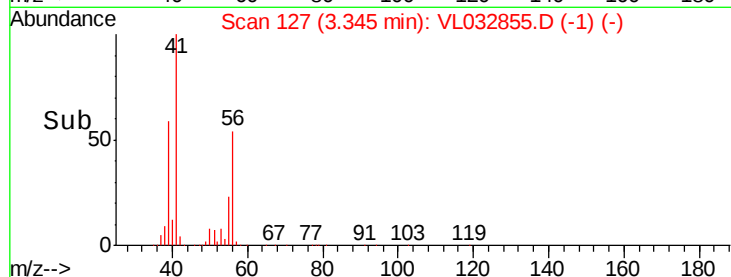
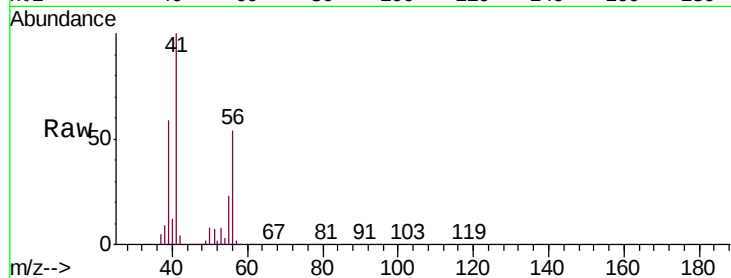




#16
1,3-Butadiene
Concen: 80.235 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.03 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

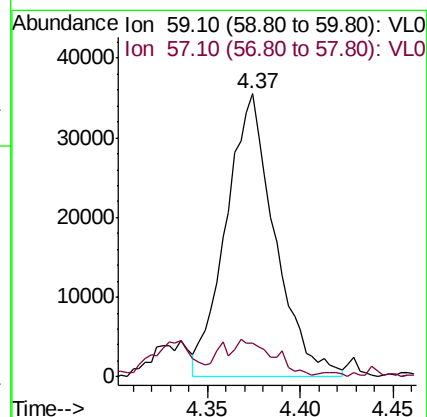
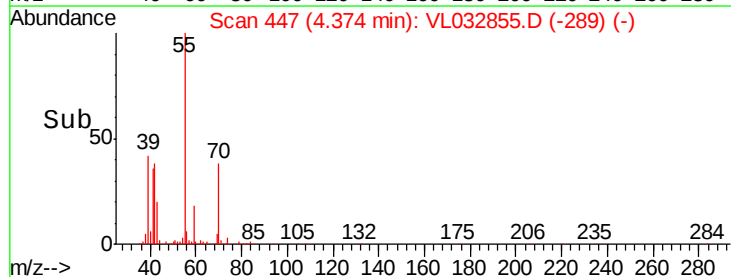
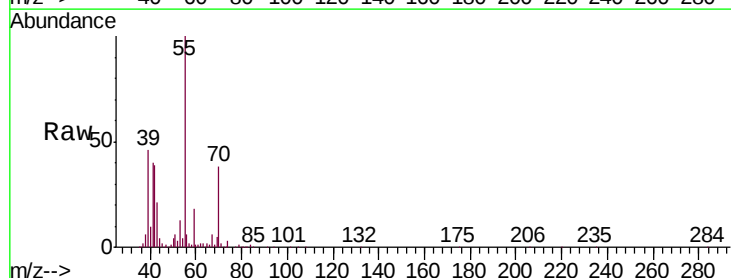
Instrument :
MSVOA_L
ClientSampleId :
DSV-01

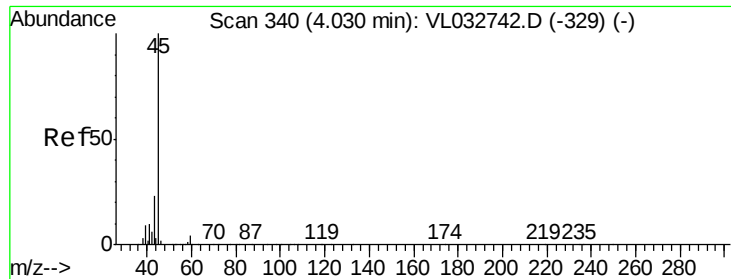
Tgt Ion: 39 Resp: 4155190
Ion Ratio Lower Upper
39 100
54 18.1 68.9 103.3#



#17
tert-Butyl alcohol
Concen: 1.547 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.01 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

Tgt Ion: 59 Resp: 64887
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 0.298 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

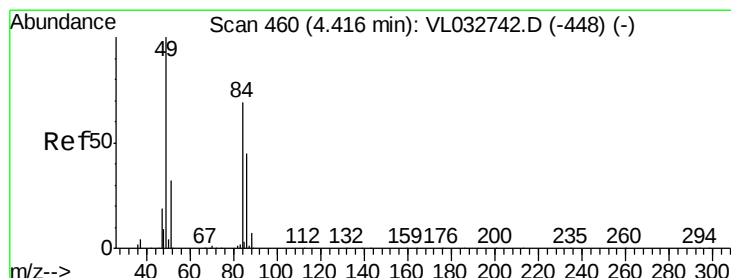
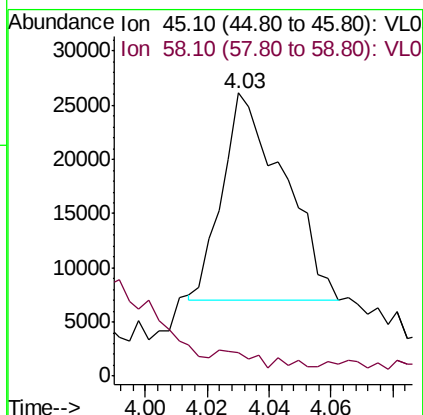
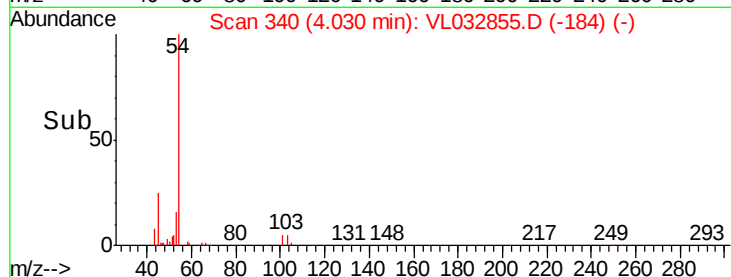
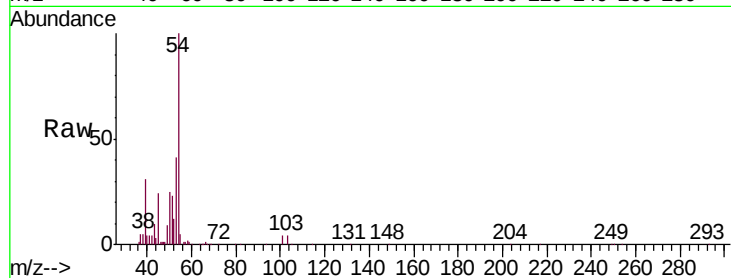
DSV-01

Tgt Ion: 45 Resp: 26510

Ion Ratio Lower Upper

45 100

58 4073.5 1.4 2.0#



#20

Methylene Chloride

Concen: 4.196 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Tgt Ion: 84 Resp: 290502

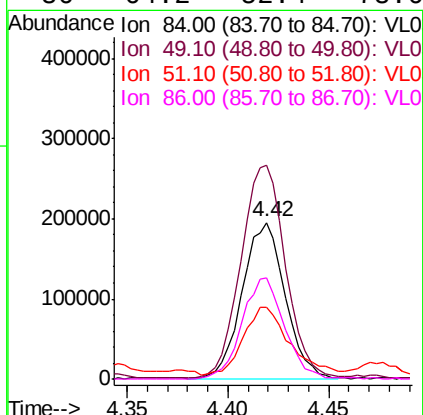
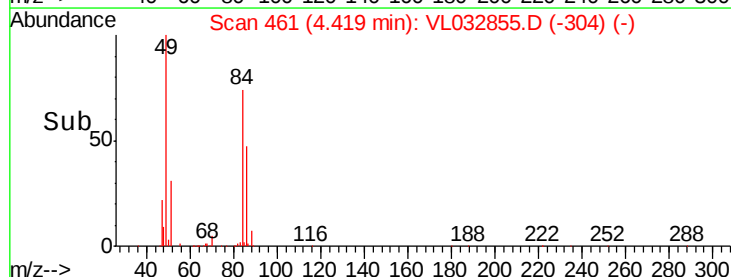
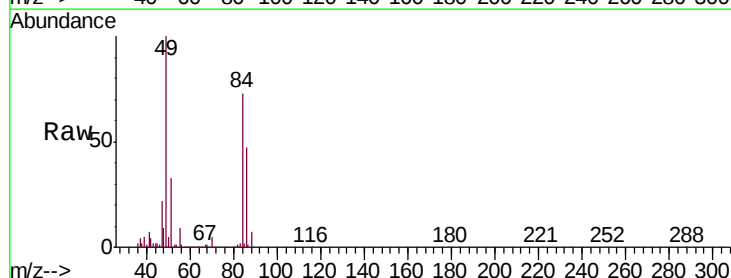
Ion Ratio Lower Upper

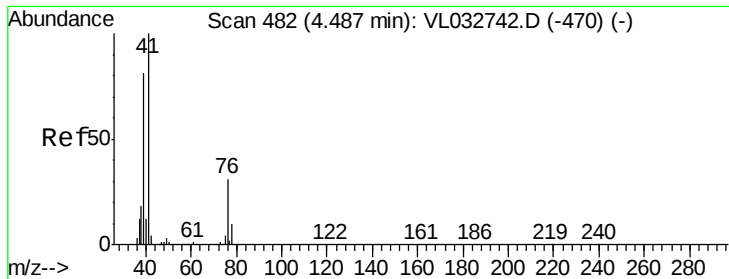
84 100

49 136.2 115.8 173.6

51 40.7 36.9 55.3

86 64.2 52.4 78.6





#21

Allyl Chloride

Concen: 0.856 ppbv

RT: 4.47 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

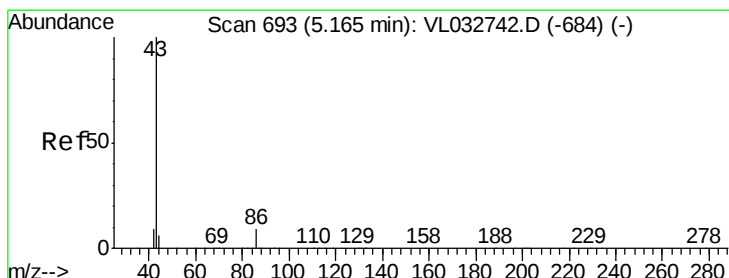
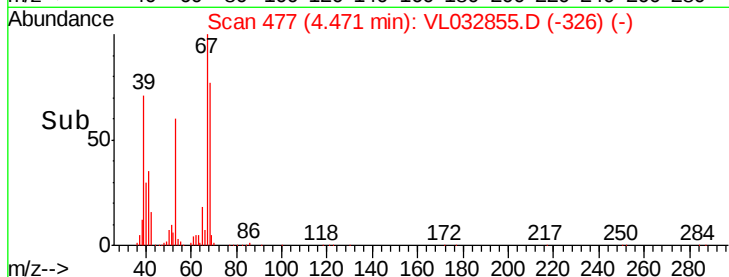
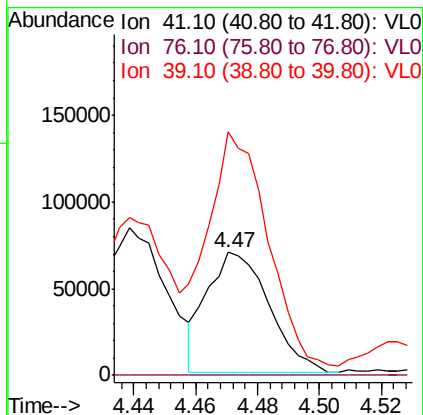
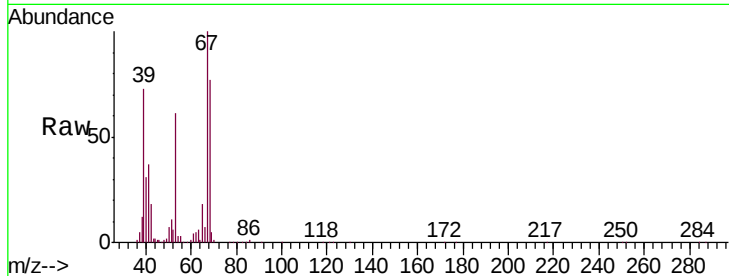
Instrument :

MSVOA_L

ClientSampleId :

DSV-01

Tgt Ion:	41	Resp:	96188
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	187.3	63.5	95.3#



#23

Vinyl Acetate

Concen: 1.683 ppbv

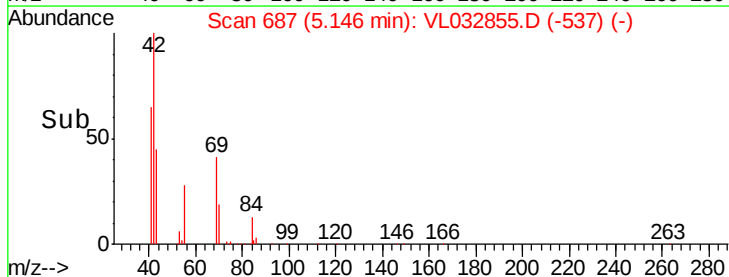
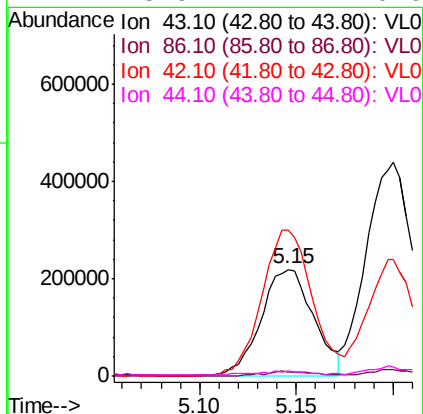
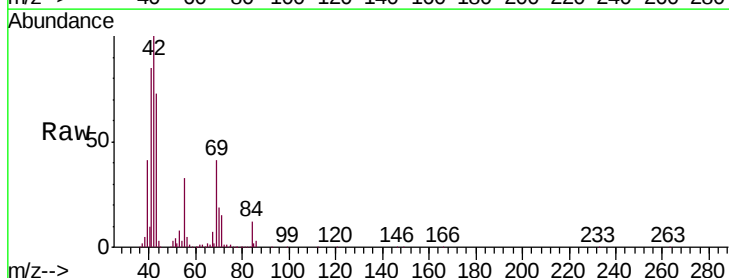
RT: 5.15 min Scan# 687

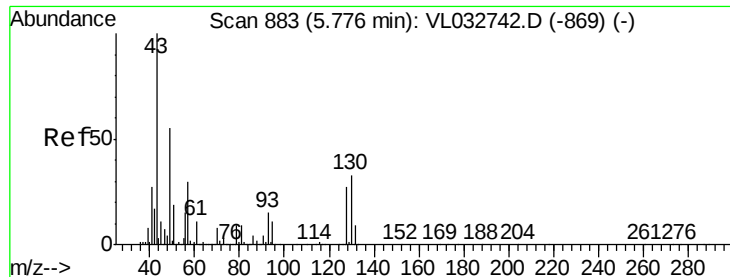
Delta R.T. -0.02 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Tgt Ion:	43	Resp:	410300
Ion	Ratio	Lower	Upper
43	100		
86	3.8	6.2	9.4#
42	137.7	7.8	11.6#
44	3.9	4.4	6.6#





#25

Ethyl Acetate

Concen: 3.023 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.01 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

Tgt Ion: 43 Resp: 942158

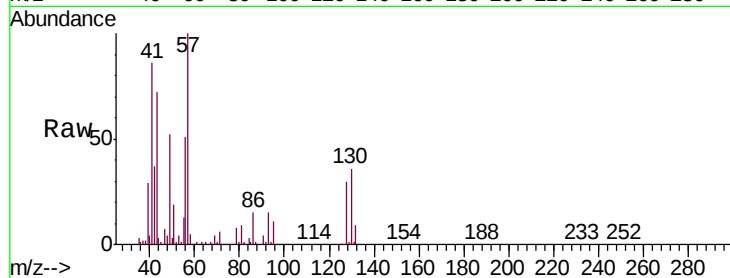
Ion Ratio Lower Upper

43 100

45 2.0 7.9 11.9#

61 1.3 7.8 11.6#

70 2.9 5.8 8.6#

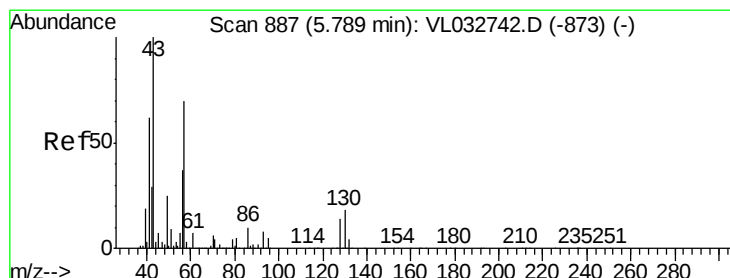
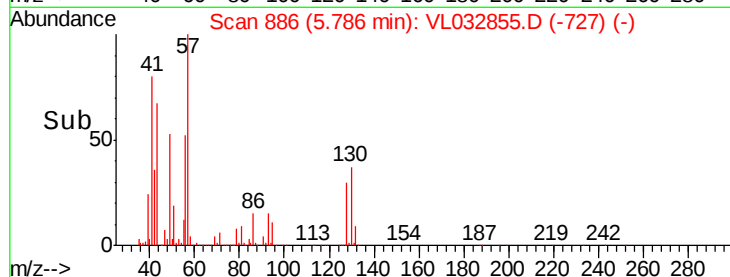
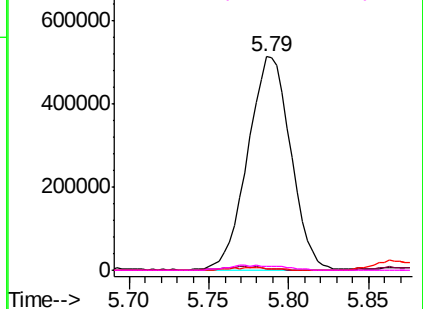


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.195 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Tgt Ion: 57 Resp: 1275785

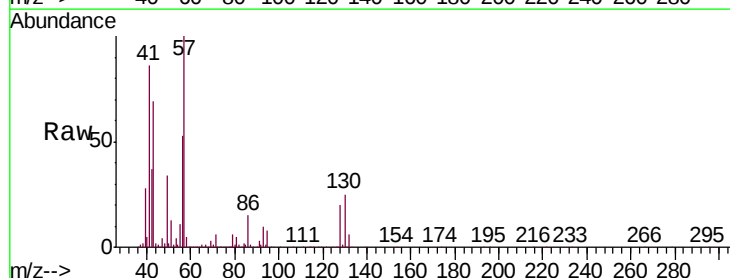
Ion Ratio Lower Upper

57 100

41 94.0 70.3 105.5

43 73.6 174.0 261.0#

56 55.5 42.3 63.5

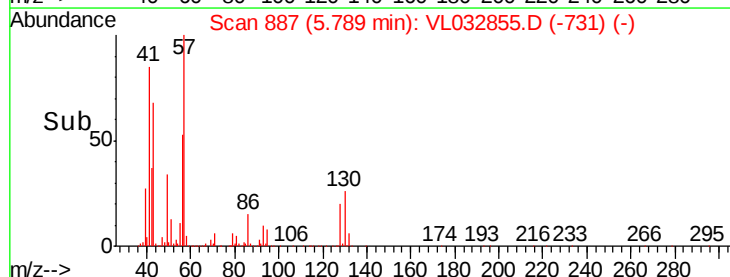
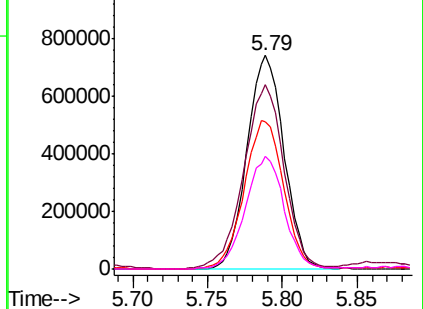


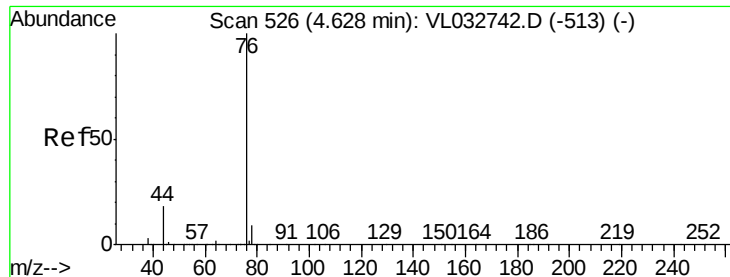
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 43.587 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

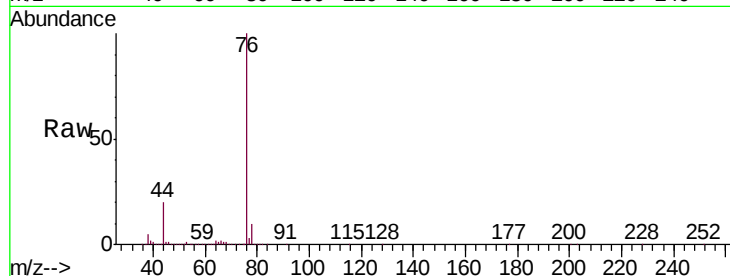
Tgt Ion: 76 Resp: 7668341

Ion Ratio Lower Upper

76 100

44 19.0 14.4 21.6

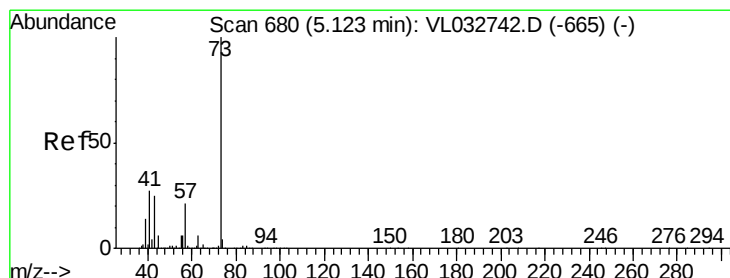
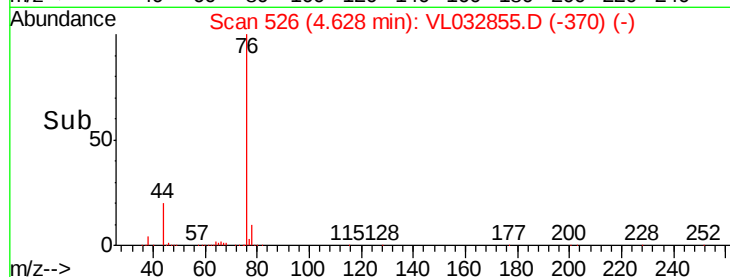
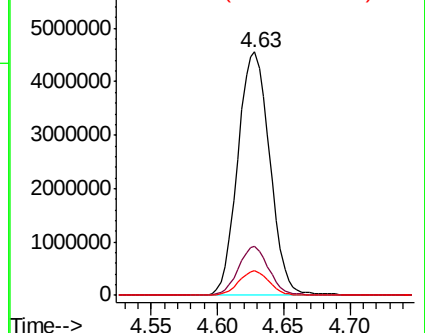
78 9.6 7.7 11.5



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: 0.034 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.01 min

Lab File: VL032855.D

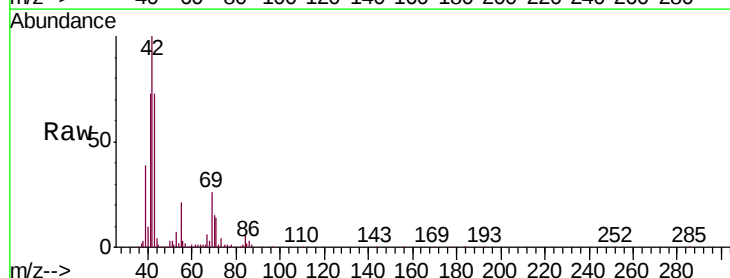
Acq: 30 Nov 2018 19:02

Tgt Ion: 73 Resp: 7516

Ion Ratio Lower Upper

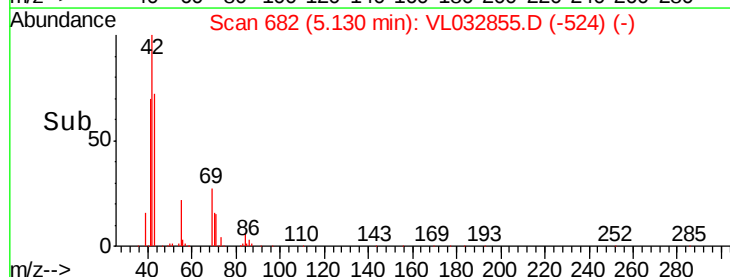
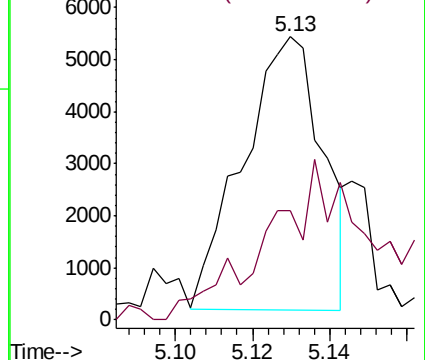
73 100

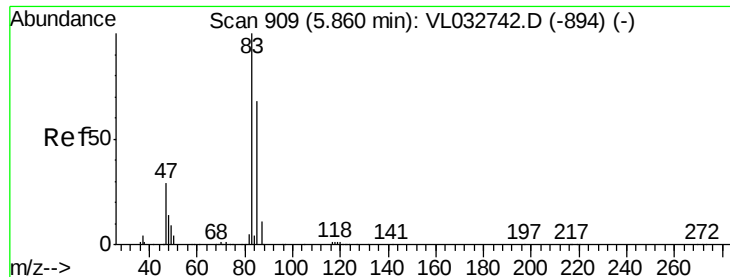
57 0.0 17.5 26.3#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.190 ppbv

RT: 5.86 min Scan# 908

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

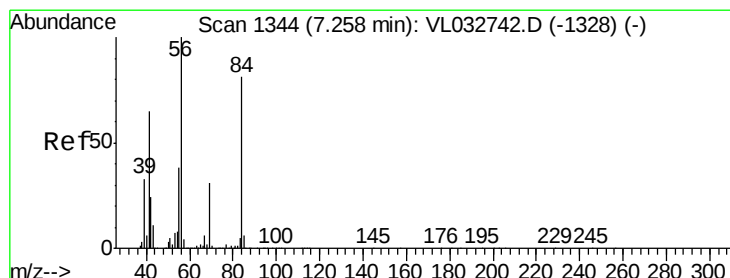
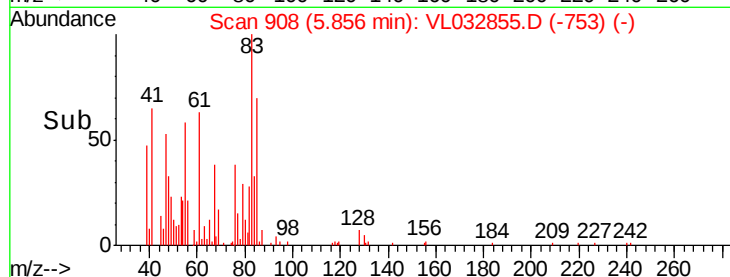
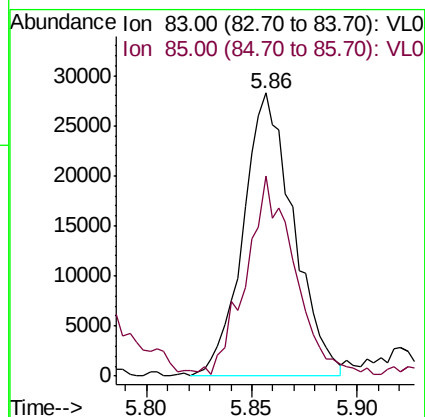
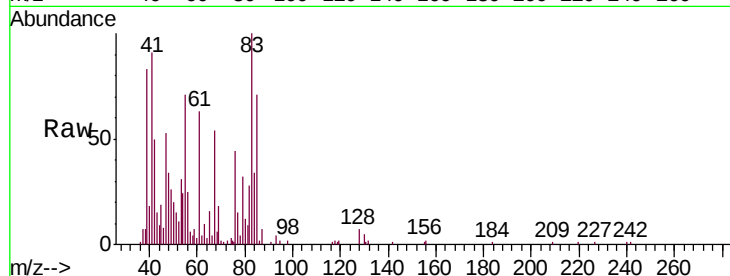
DSV-01

Tgt Ion: 83 Resp: 46989

Ion Ratio Lower Upper

83 100

85 69.0 54.2 81.4



#30

Cyclohexane

Concen: 4.045 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

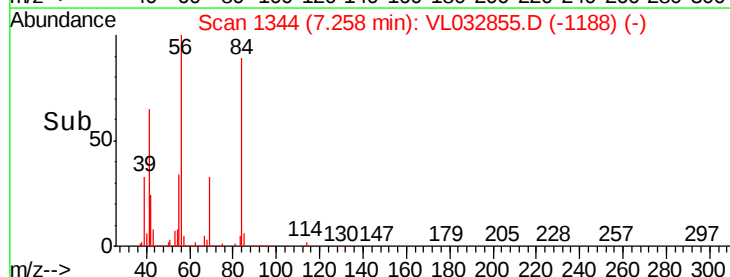
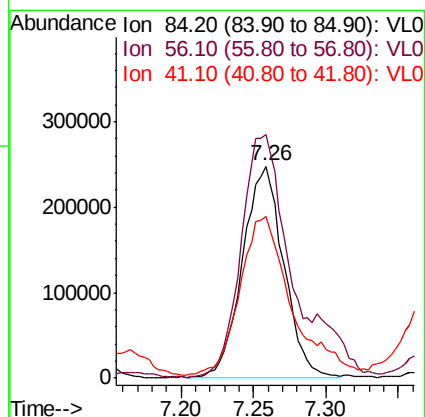
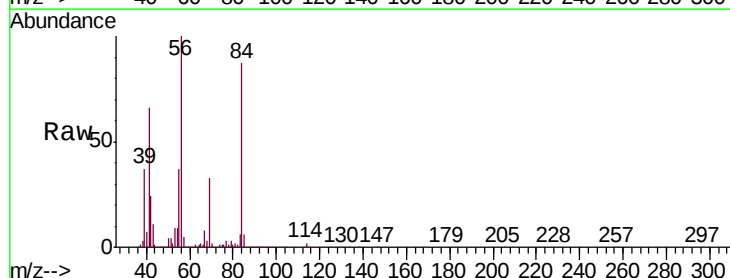
Tgt Ion: 84 Resp: 490885

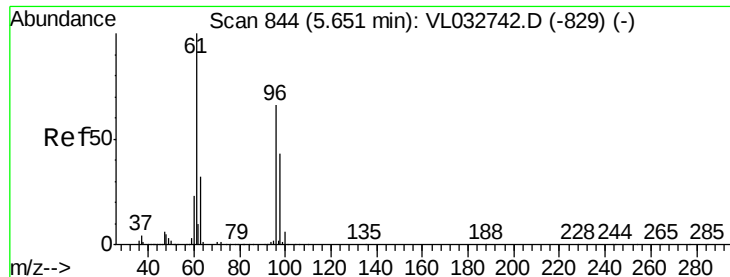
Ion Ratio Lower Upper

84 100

56 145.1 105.0 157.4

41 91.5 65.3 97.9



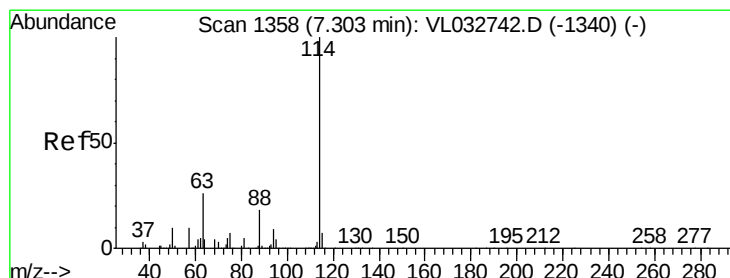
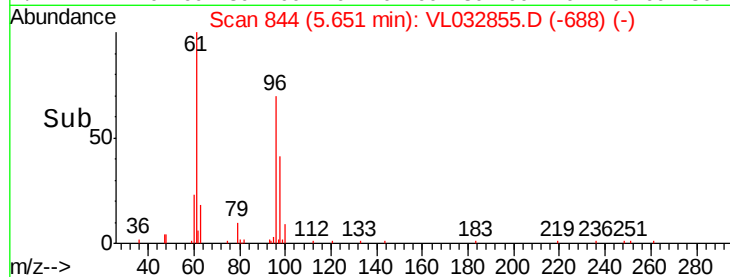
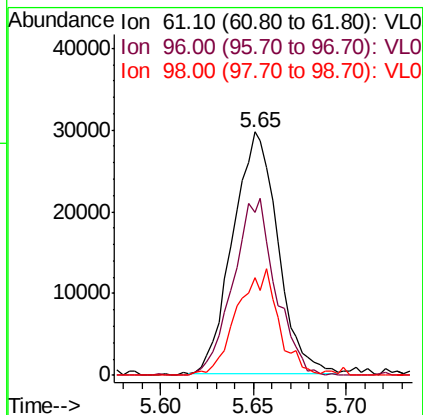
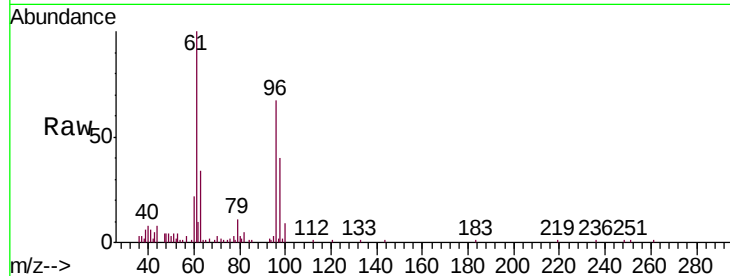


#31

cis-1,2-Dichloroethene
 Concen: 0.357 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01

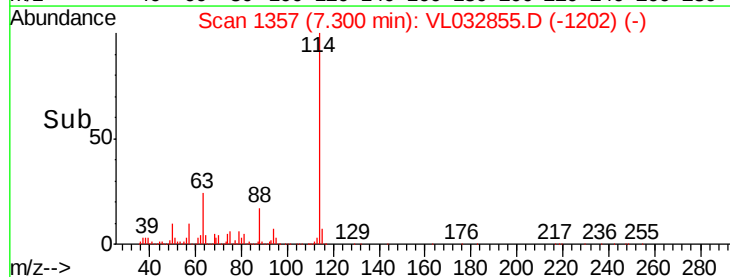
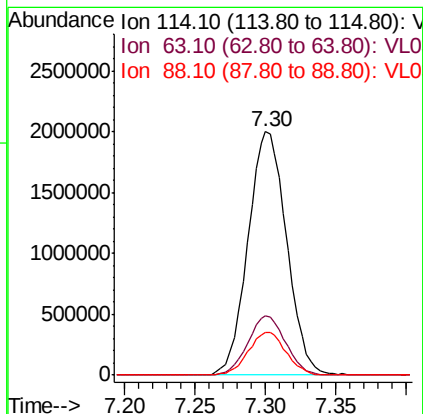
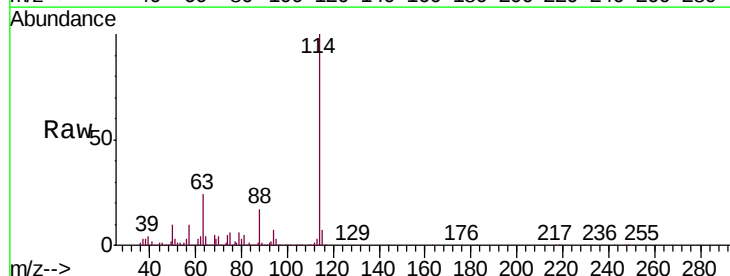
Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.5	53.2	79.8
98	40.5	34.4	51.6

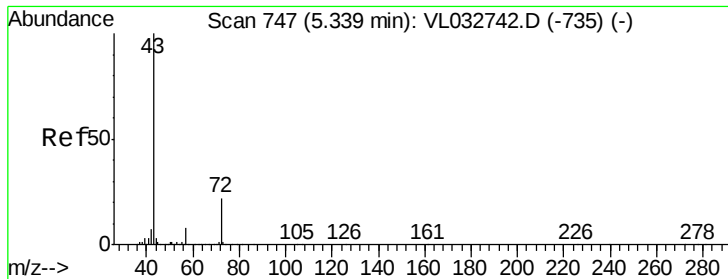


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.9	31.3
88	17.3	14.4	21.6

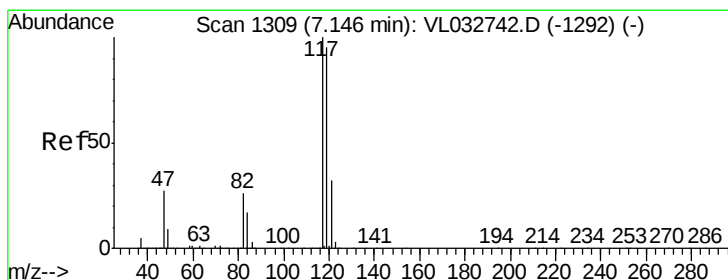
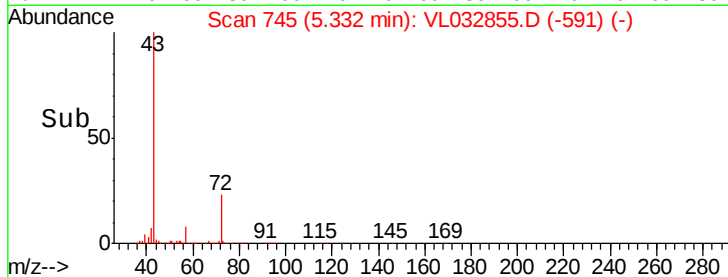
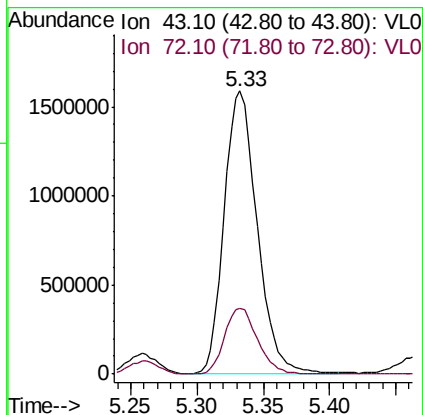
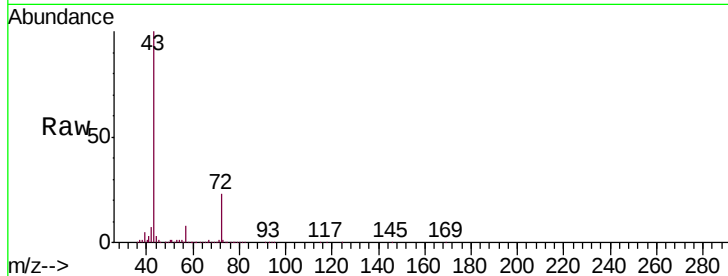




#34
2-Butanone
Concen: 13.782 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

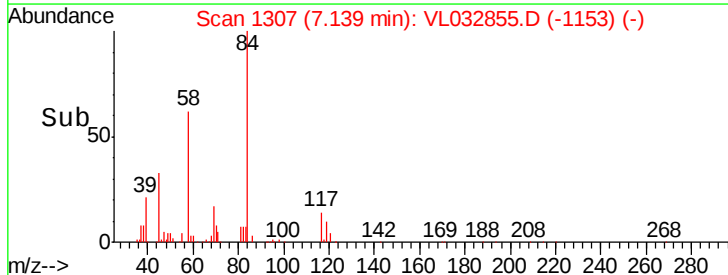
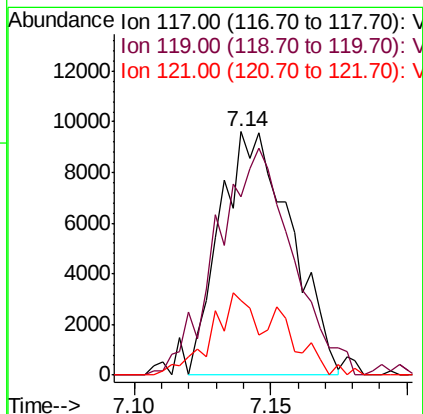
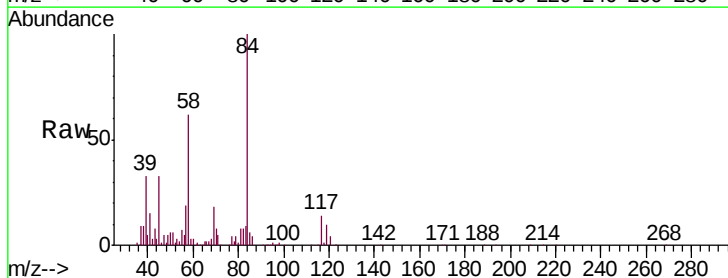
Instrument :
MSVOA_L
ClientSampleId :
DSV-01

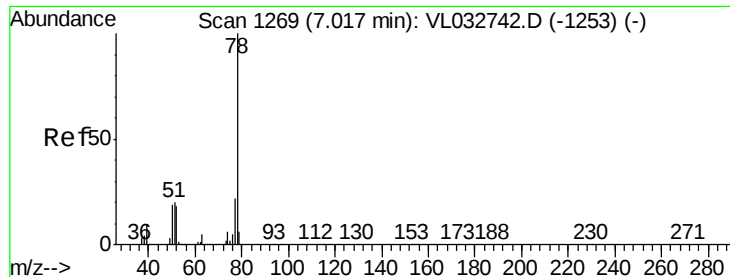
Tgt Ion: 43 Resp: 2735463
Ion Ratio Lower Upper
43 100
72 23.4 18.4 27.6



#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

Tgt Ion: 117 Resp: 17420
Ion Ratio Lower Upper
117 100
119 63.4 76.1 114.1#
121 26.8 25.4 38.0





#36

Benzene

Concen: 6.727 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

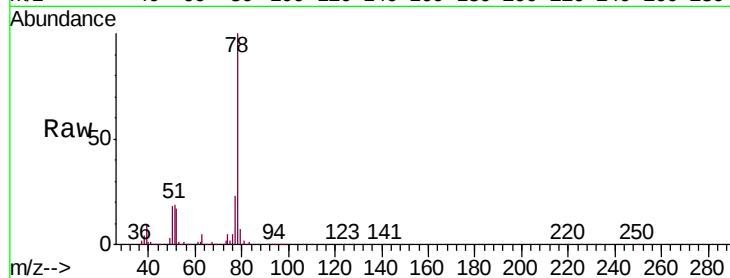
Tgt Ion: 78 Resp: 2049959

Ion Ratio Lower Upper

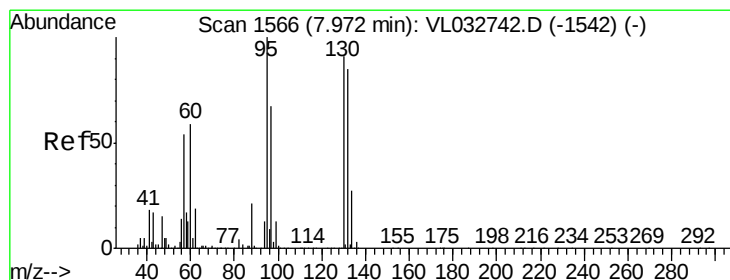
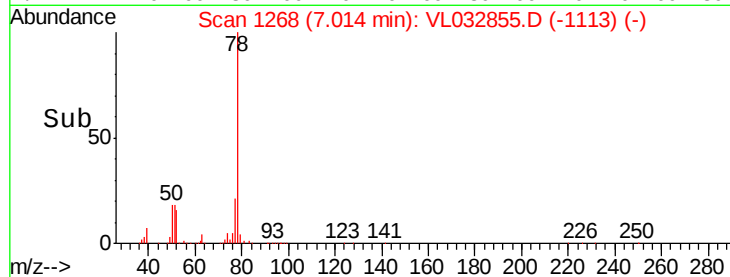
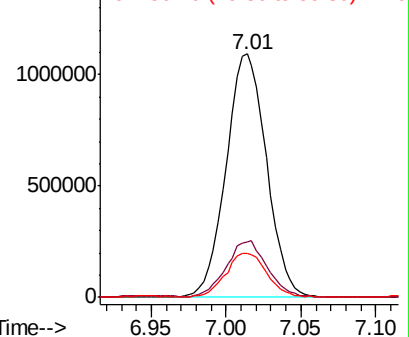
78 100

77 22.5 17.8 26.8

50 18.0 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



#38

Trichloroethene

Concen: 0.063 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Tgt Ion: 130 Resp: 7713

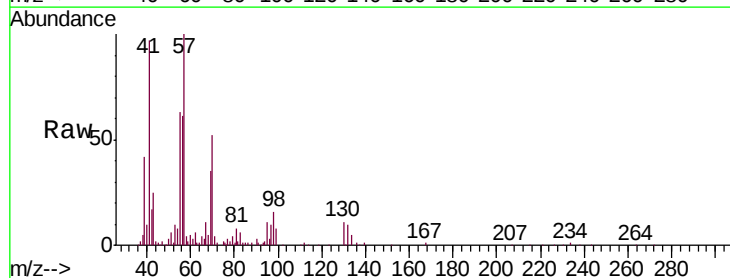
Ion Ratio Lower Upper

130 100

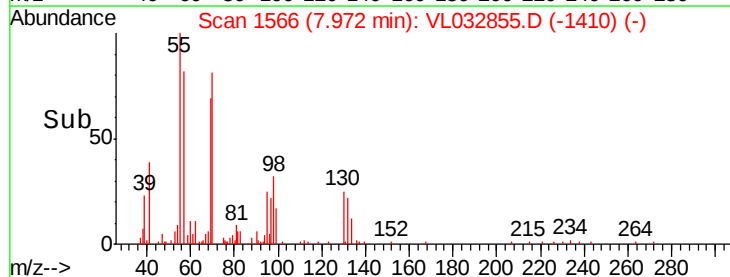
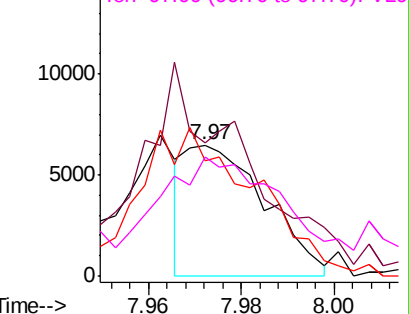
95 69.7 87.7 131.5#

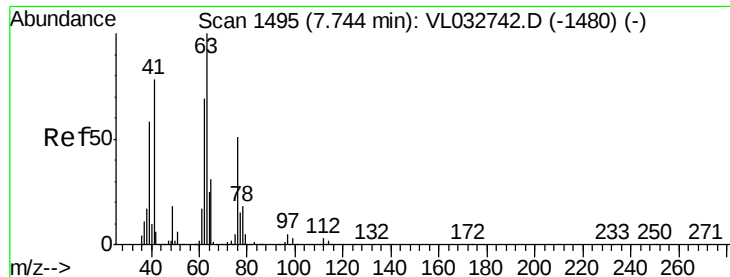
132 82.7 74.6 111.8

97 70.0 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: 7.816 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

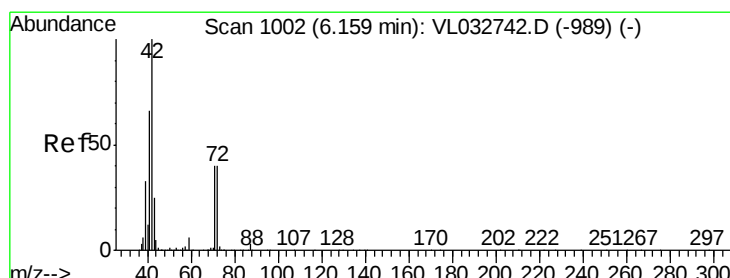
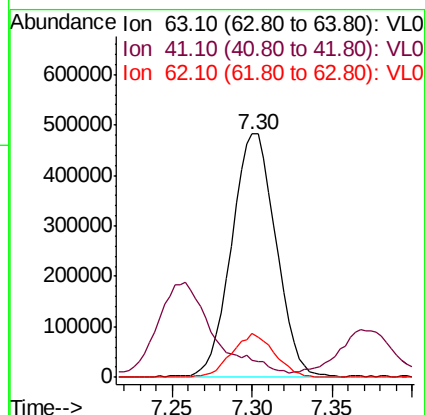
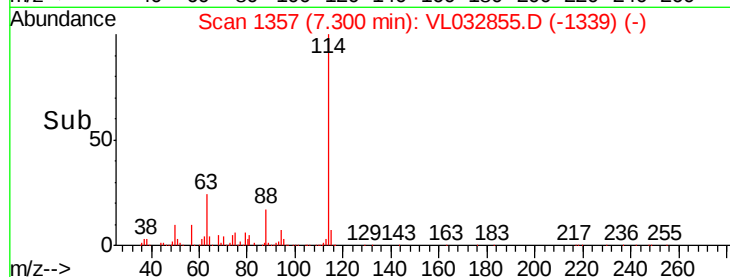
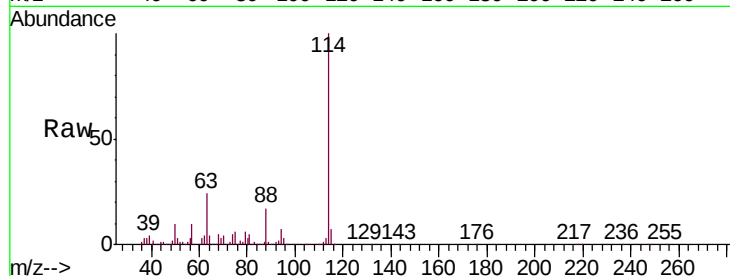
Tgt Ion: 63 Resp: 907510

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 17.6 55.4 83.2#



#41

Tetrahydrofuran

Concen: 0.051 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

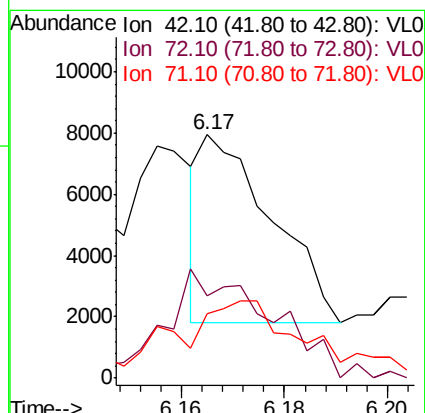
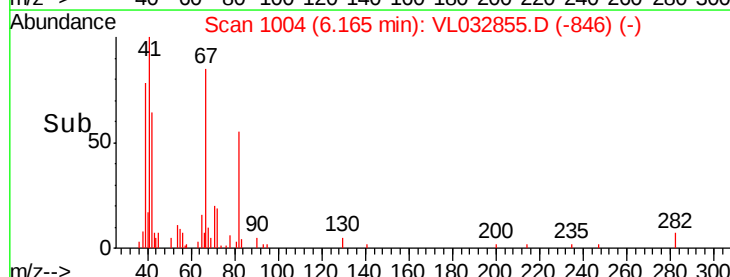
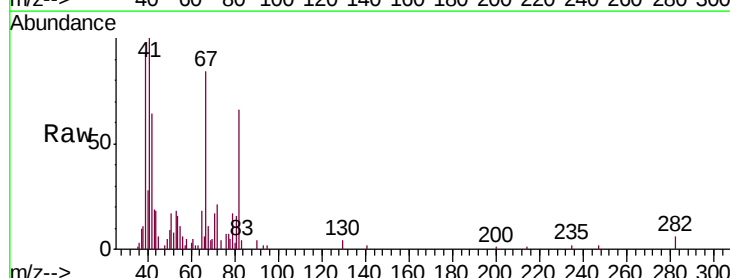
Tgt Ion: 42 Resp: 5822

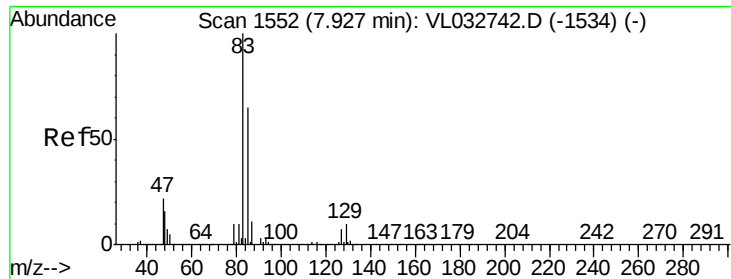
Ion Ratio Lower Upper

42 100

72 97.8 32.4 48.6#

71 89.6 31.6 47.4#





#42

Bromodichloromethane

Concen: 0.080 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

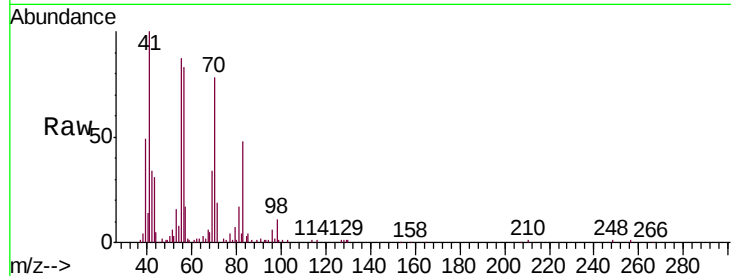
Tgt Ion: 83 Resp: 22165

Ion Ratio Lower Upper

83 100

85 8.4 51.8 77.8#

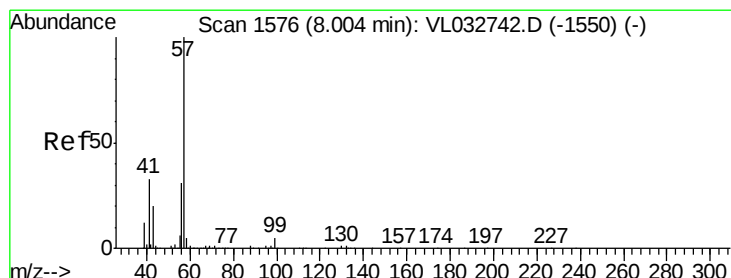
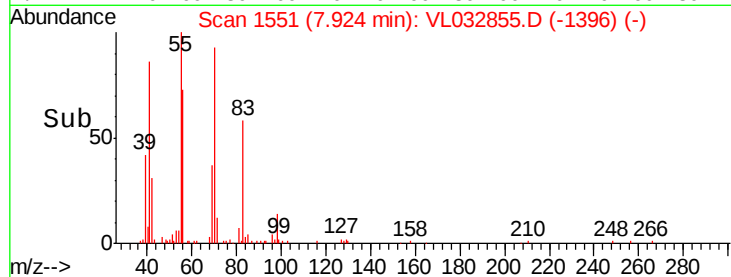
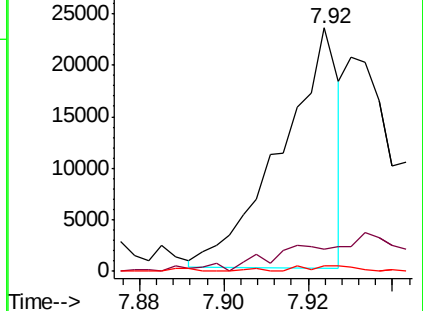
127 1.5 5.9 8.9#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.625 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

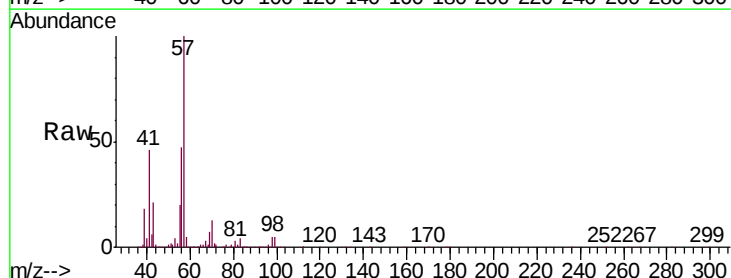
Tgt Ion: 57 Resp: 827751

Ion Ratio Lower Upper

57 100

41 47.9 26.6 39.8#

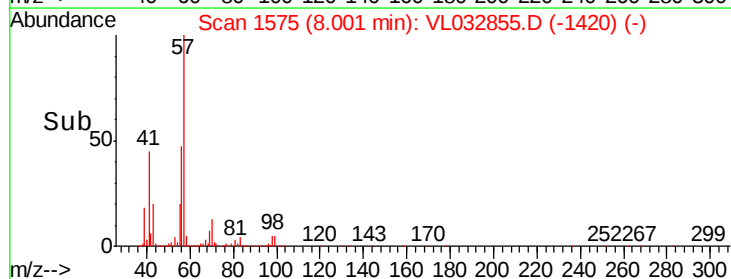
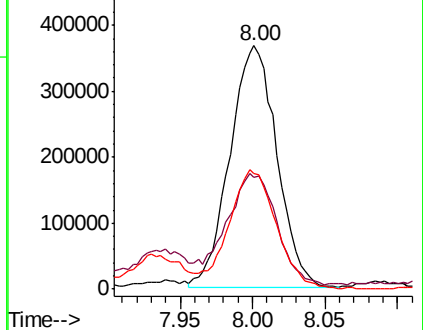
56 49.4 24.8 37.2#

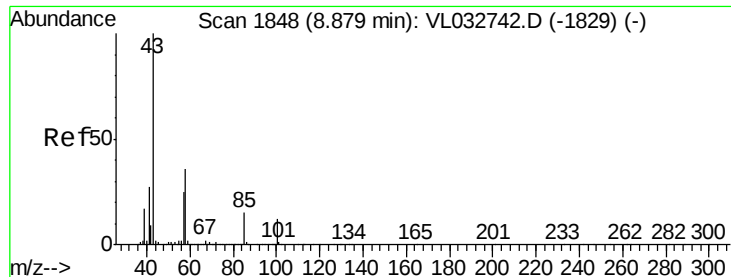


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

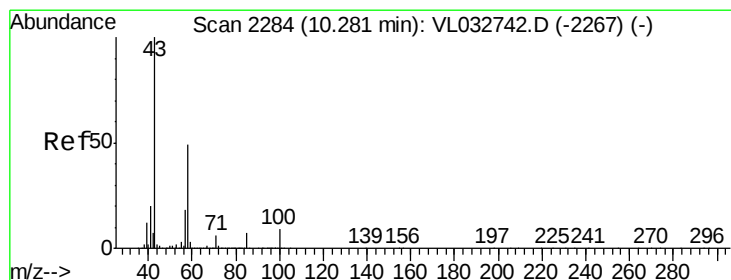
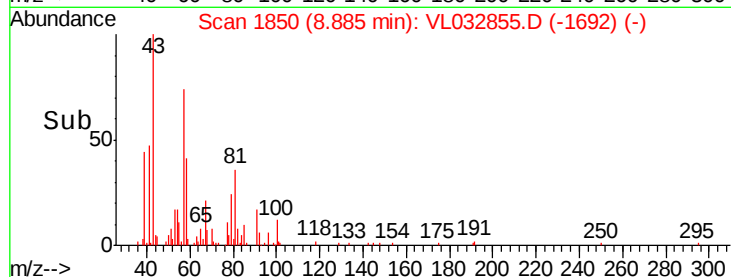
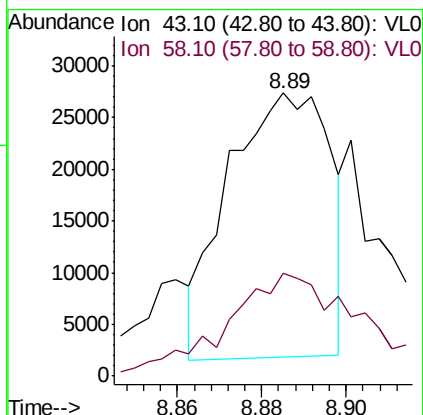
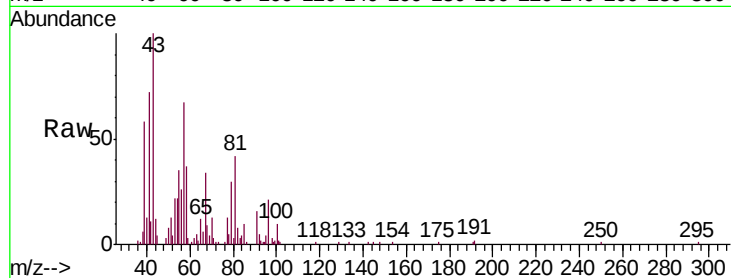




#50
 4-Methyl-2-Pentanone
 Concen: 0.138 ppbv
 RT: 8.89 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

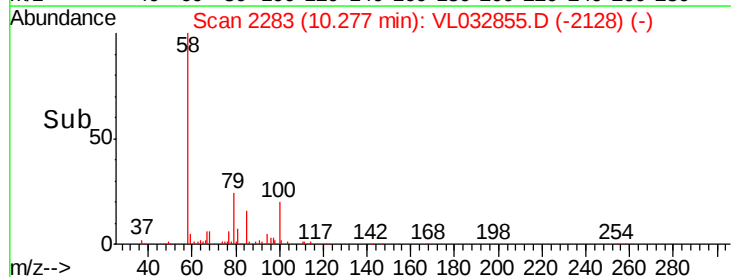
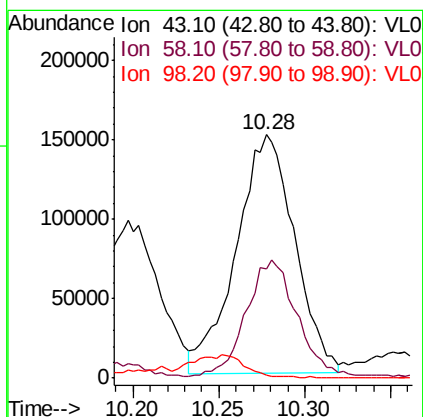
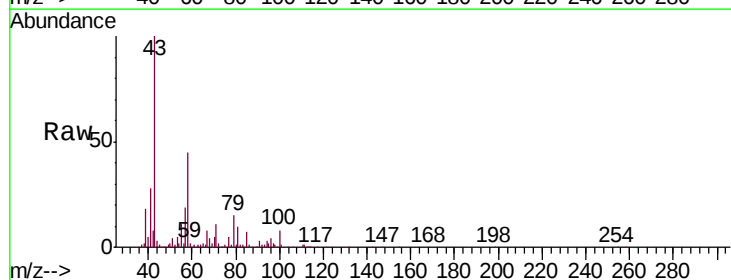
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01

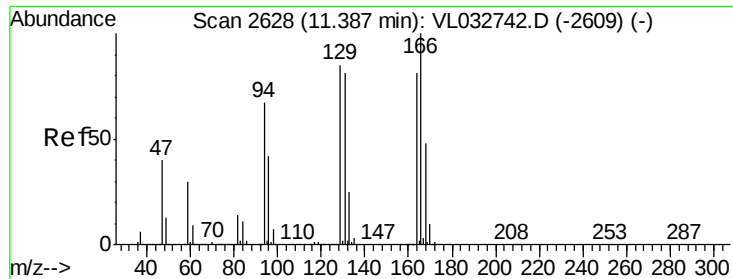
Tgt Ion: 43 Resp: 42802
 Ion Ratio Lower Upper
 43 100
 58 53.9 28.8 43.2#



#51
 2-Hexanone
 Concen: 1.779 ppbv
 RT: 10.28 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Tgt Ion: 43 Resp: 355314
 Ion Ratio Lower Upper
 43 100
 58 44.0 38.9 58.3
 98 13.2 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.372 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

Tgt Ion:164 Resp: 39458

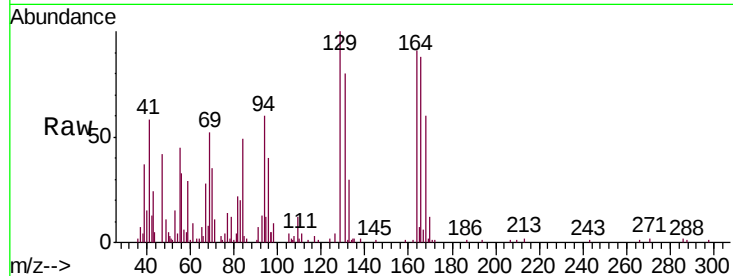
Ion Ratio Lower Upper

164 100

166 96.8 99.3 148.9#

129 110.3 83.9 125.9

131 87.8 80.8 121.2



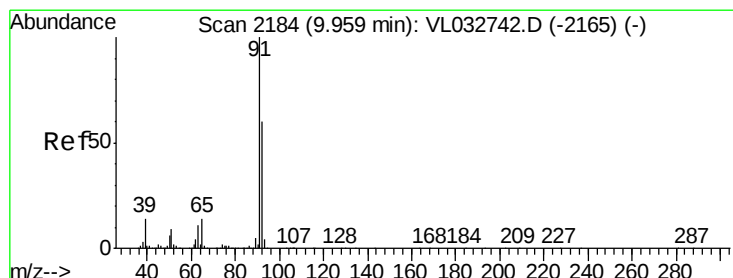
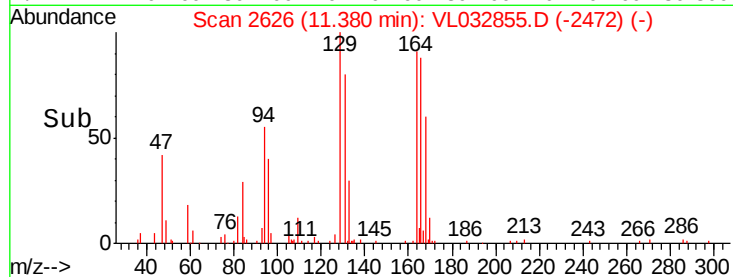
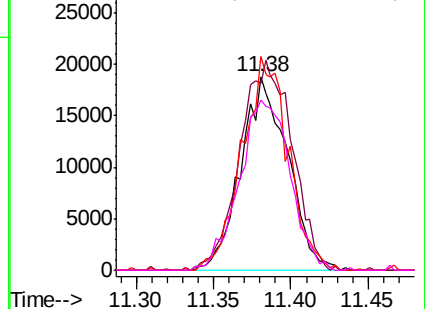
Abundance

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: 9.252 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032855.D

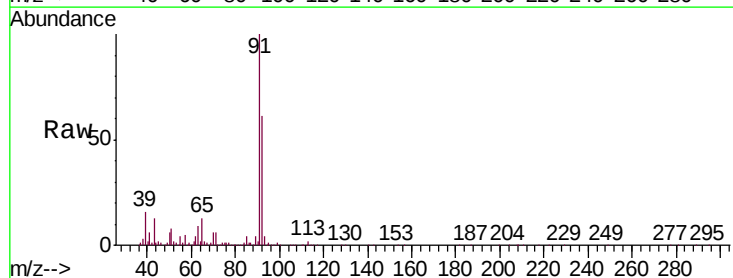
Acq: 30 Nov 2018 19:02

Tgt Ion: 91 Resp: 2941330

Ion Ratio Lower Upper

91 100

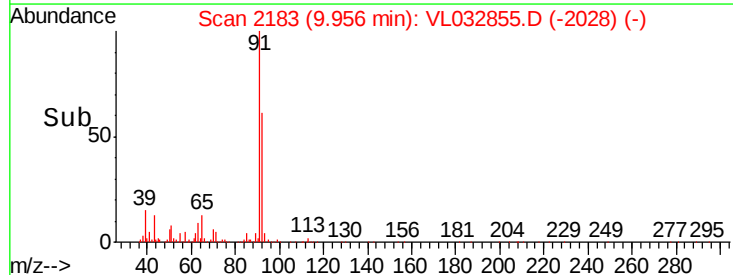
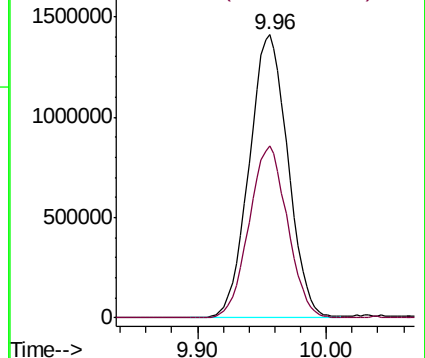
92 60.3 47.9 71.9

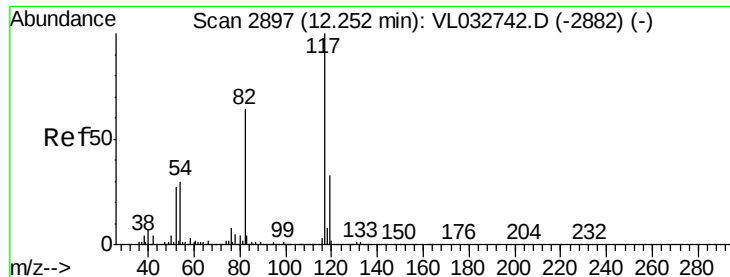


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

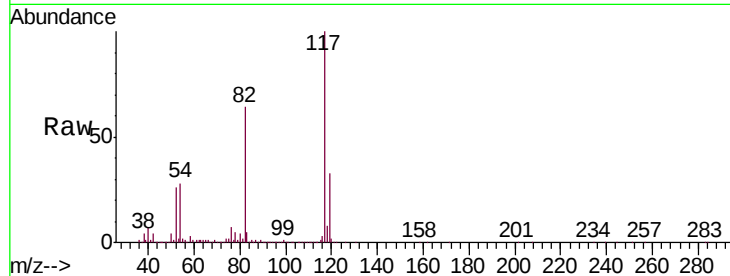




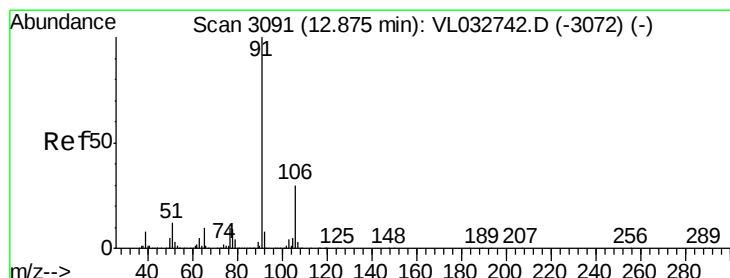
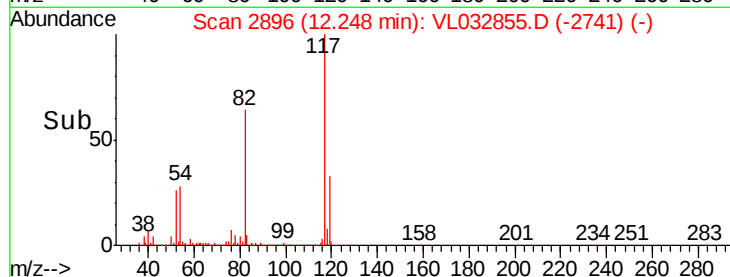
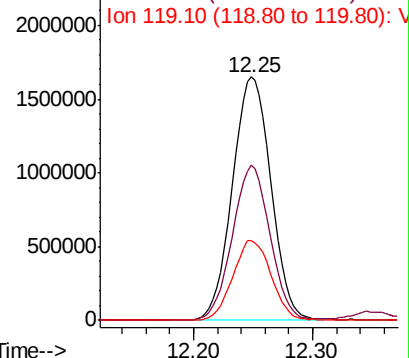
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
DSV-01

Tgt Ion: 117 Resp: 3707934
Ion Ratio Lower Upper
117 100
82 62.2 51.0 76.6
119 32.7 28.0 42.0

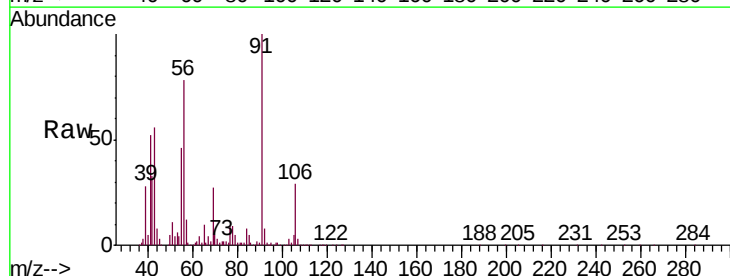


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

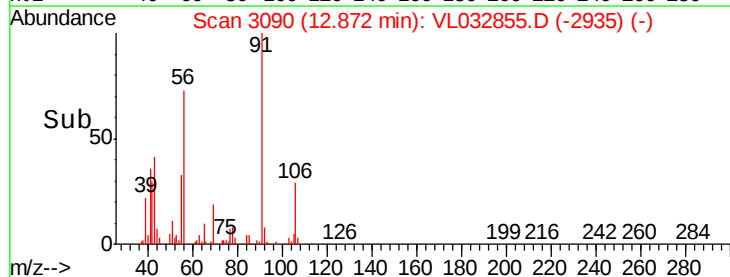
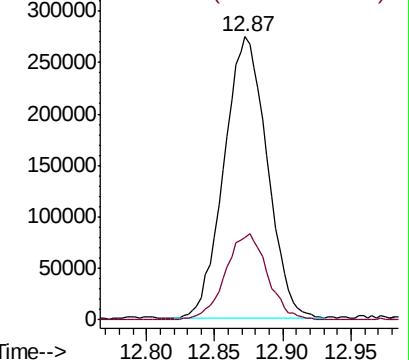


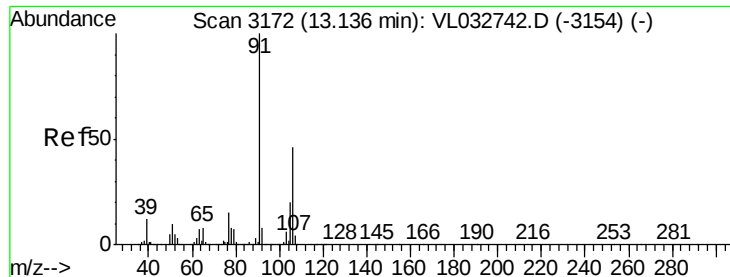
#58
Ethyl Benzene
Concen: 1.349 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

Tgt Ion: 91 Resp: 601824
Ion Ratio Lower Upper
91 100
106 29.0 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

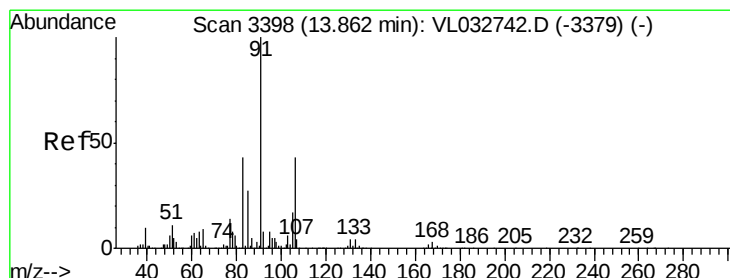
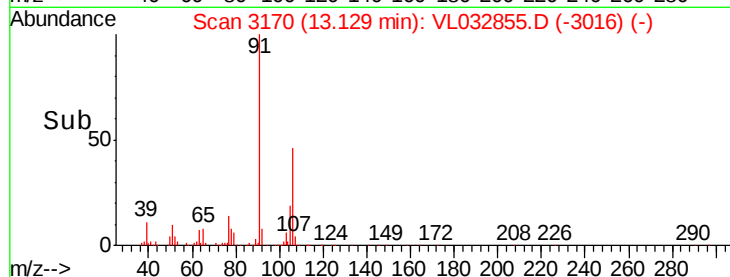
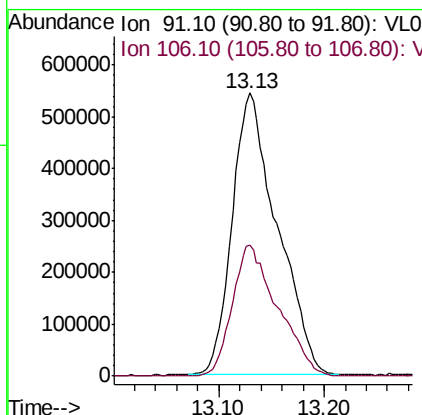
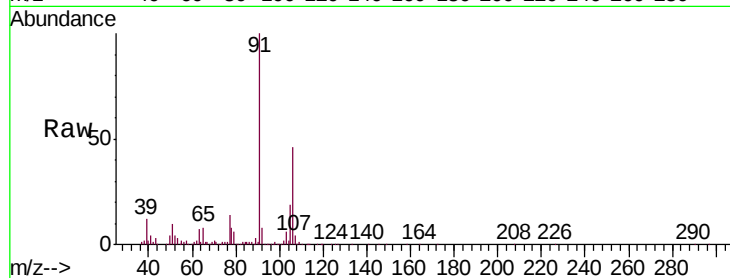




#59
m/p-Xylene
Concen: 4.057 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

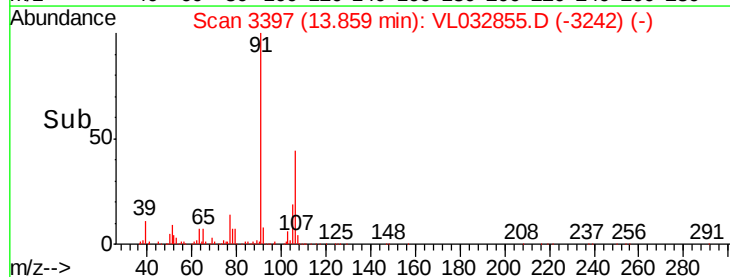
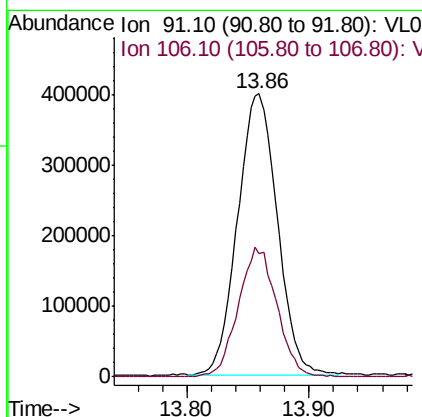
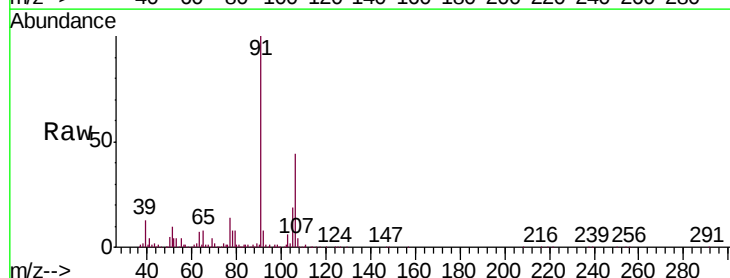
Instrument :
MSVOA_L
ClientSampled :
DSV-01

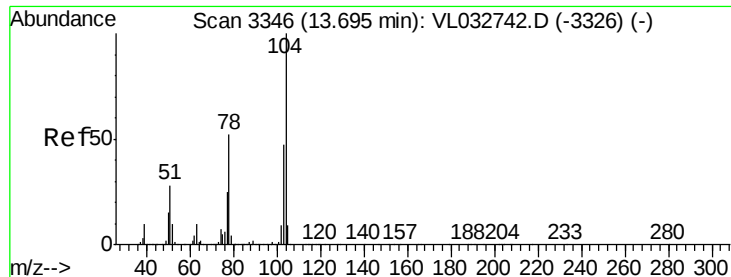
Tgt Ion: 91 Resp: 1611639
Ion Ratio Lower Upper
91 100
106 46.6 36.1 54.1



#60
o-Xylene
Concen: 2.250 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032855.D
Acq: 30 Nov 2018 19:02

Tgt Ion: 91 Resp: 898841
Ion Ratio Lower Upper
91 100
106 44.9 21.9 65.7





#61

Styrene

Concen: 0.462 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

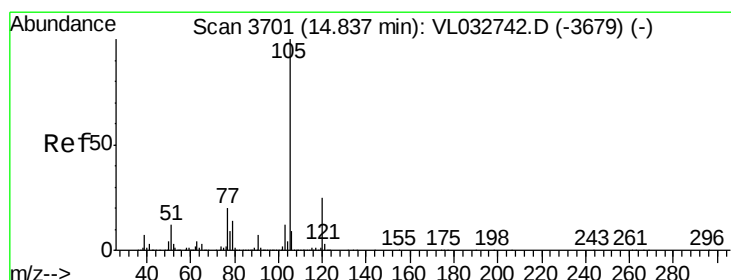
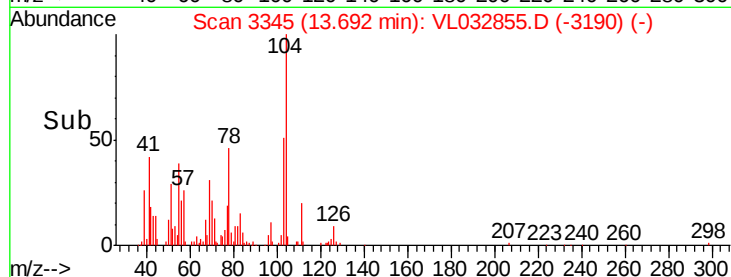
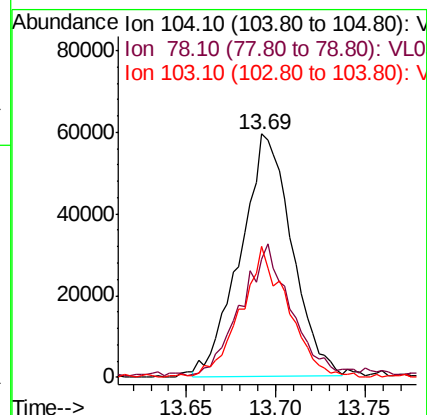
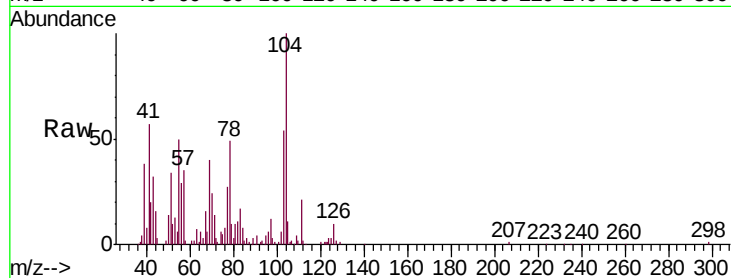
Instrument :

MSVOA_L

ClientSampleId :

DSV-01

Tgt Ion:	104	Resp:	120047
Ion	Ratio	Lower	Upper
104	100		
78	54.5	42.2	63.4
103	50.1	38.2	57.2



#62

Isopropylbenzene

Concen: 0.255 ppbv

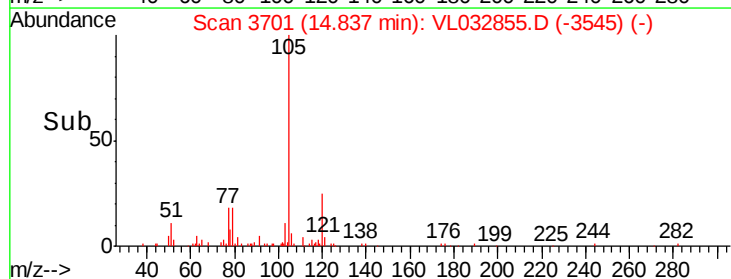
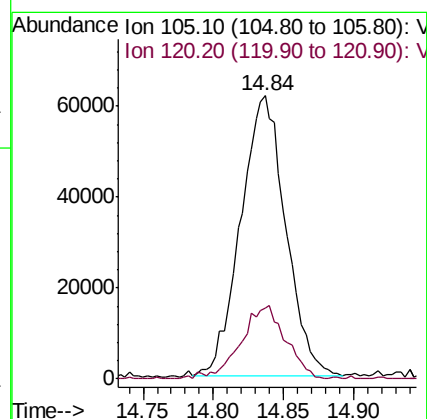
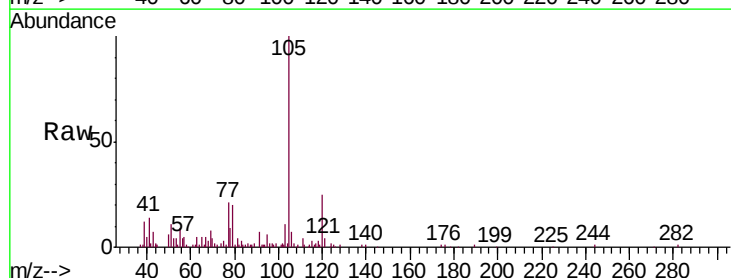
RT: 14.84 min Scan# 3701

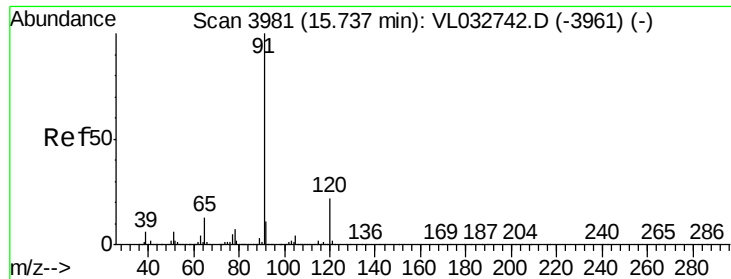
Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Tgt Ion:	105	Resp:	137463
Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.1	30.1





#64

n-propylbenzene

Concen: 0.459 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

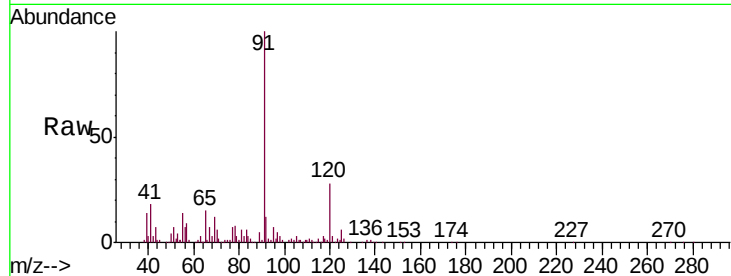
DSV-01

Tgt Ion:120 Resp: 65220

Ion Ratio Lower Upper

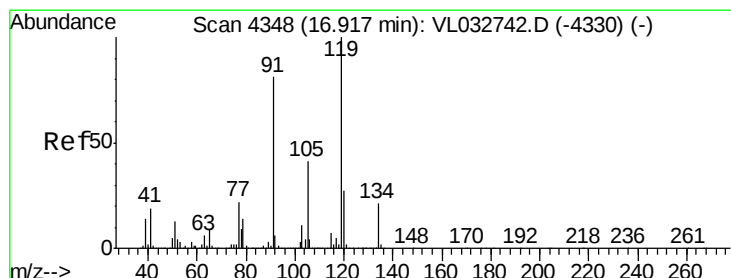
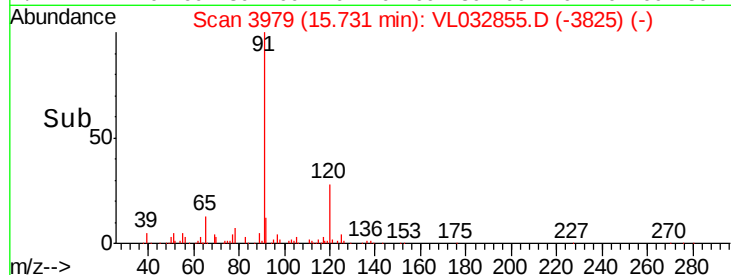
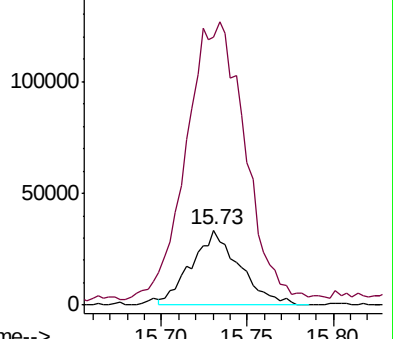
120 100

91 473.6 381.7 572.5



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.140 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. 0.01 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

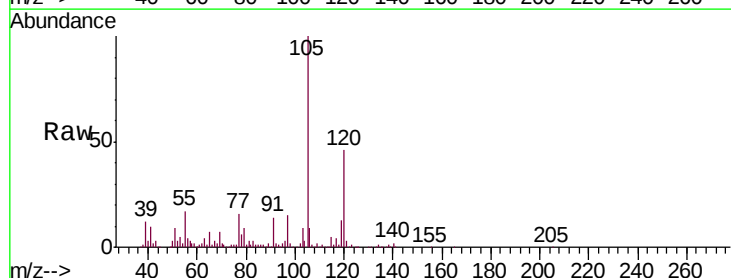
Tgt Ion:119 Resp: 67947

Ion Ratio Lower Upper

119 100

91 0.0 65.6 98.4#

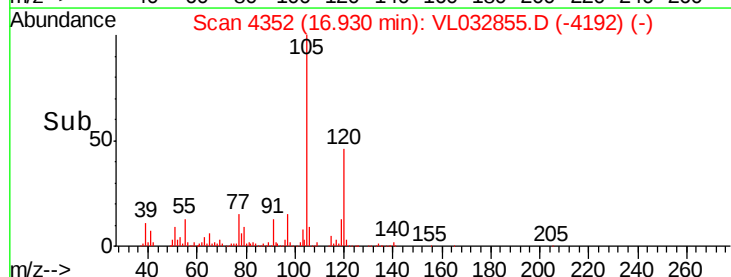
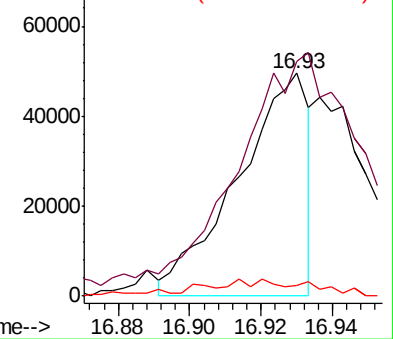
134 12.2 15.9 23.9#

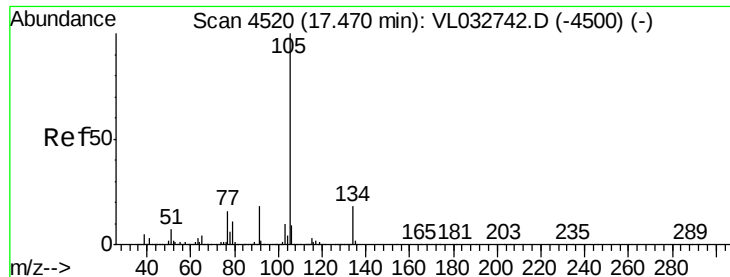


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

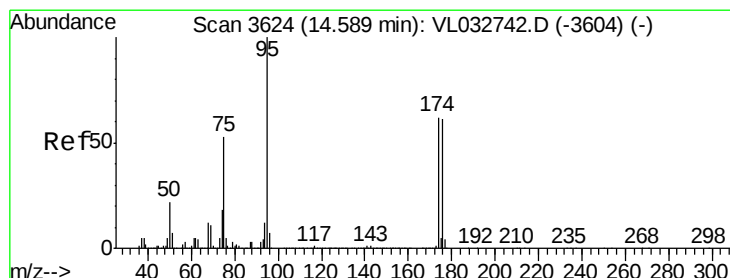
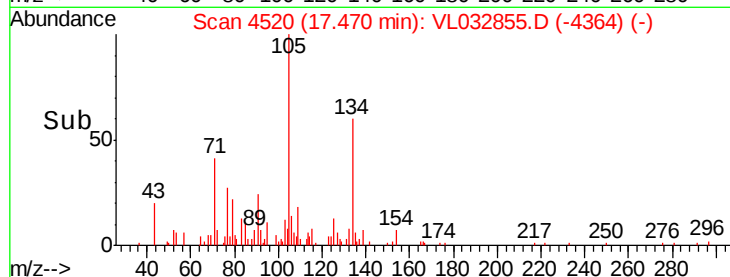
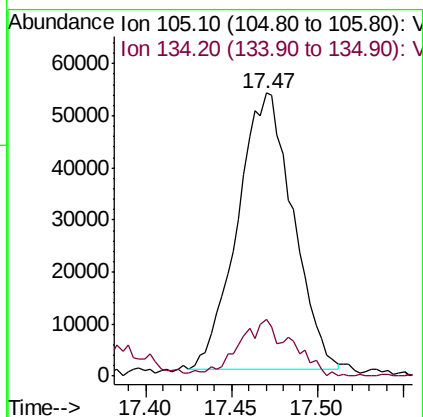
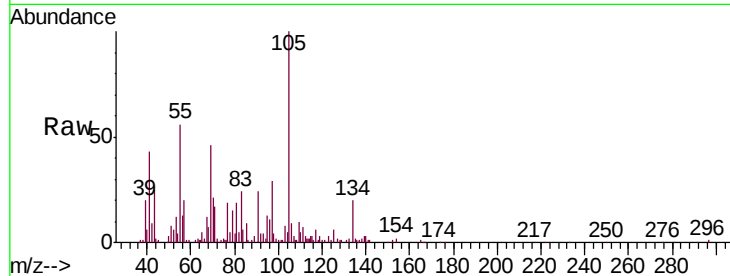




#67
 sec-Butylbenzene
 Concen: 0.170 ppbv
 RT: 17.47 min Scan# 4520
 Delta R.T. 0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

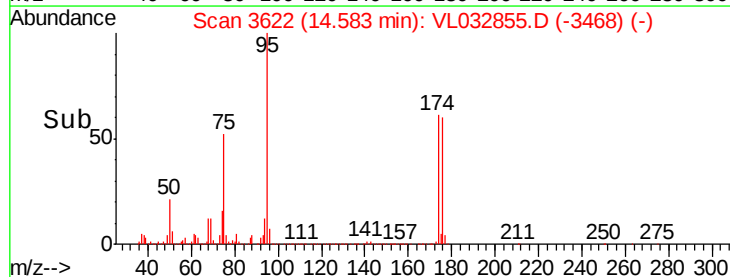
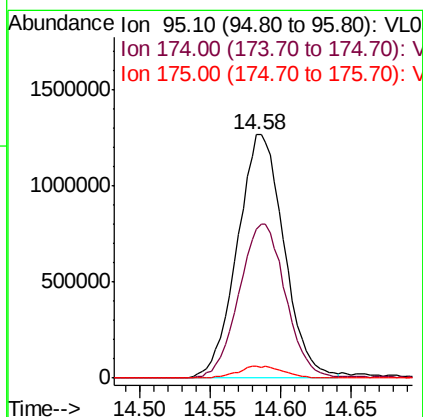
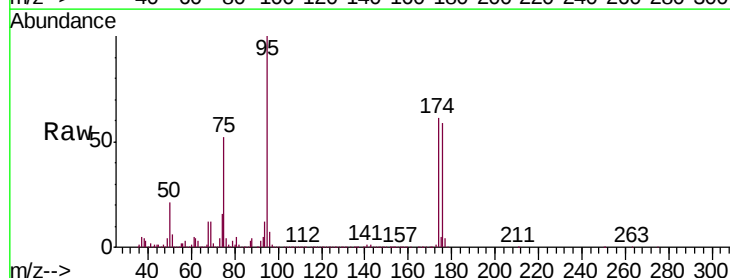
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01

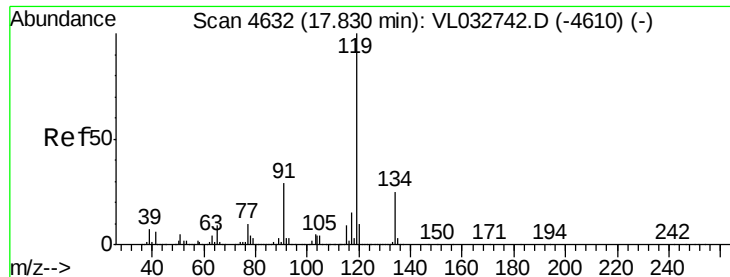
Tgt Ion: 105 Resp: 118644
 Ion Ratio Lower Upper
 105 100
 134 19.7 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.449 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Tgt Ion: 95 Resp: 2897988
 Ion Ratio Lower Upper
 95 100
 174 64.6 50.7 76.1
 175 4.8 3.8 5.6

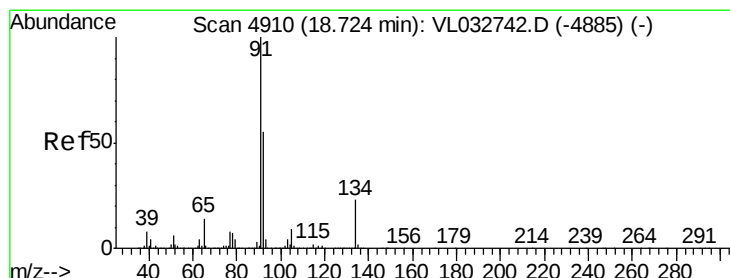
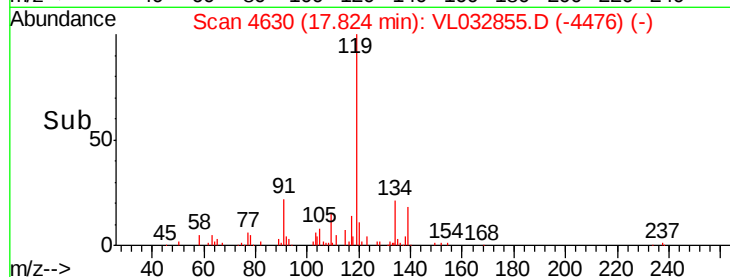
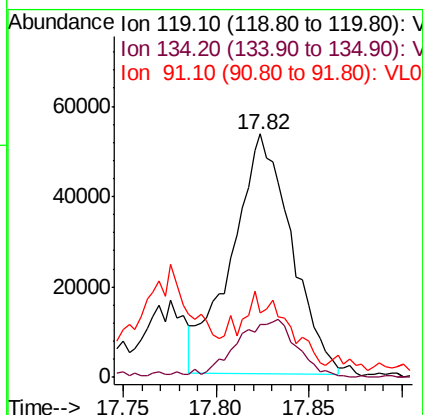
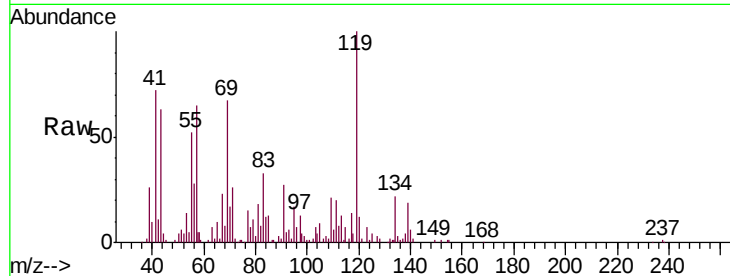




#69
 p-Isopropyltoluene
 Concen: 0.214 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. -0.01 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

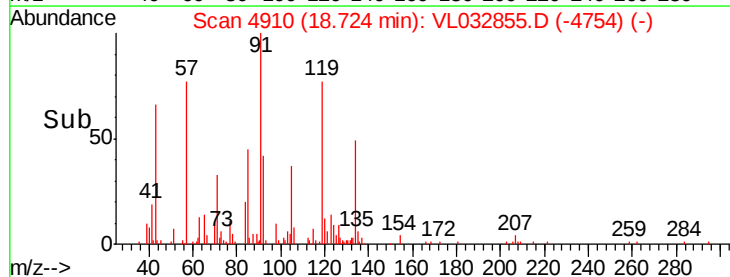
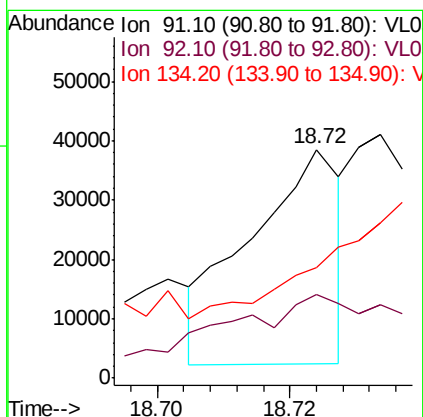
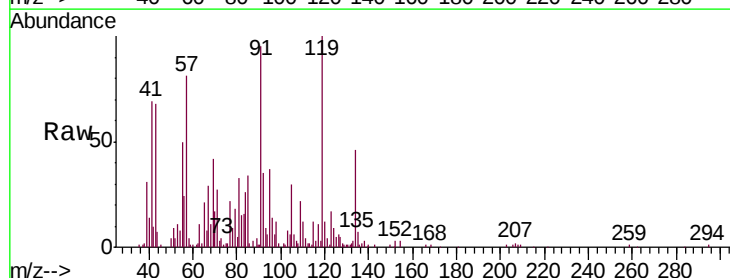
Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01

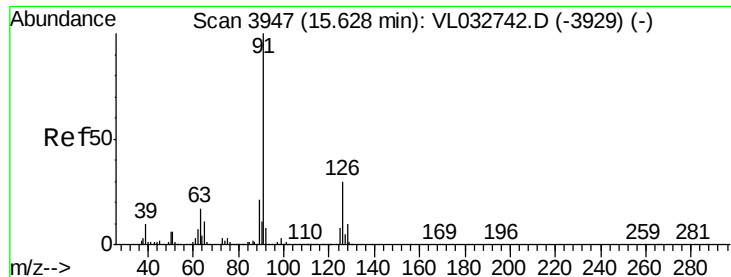
Tgt Ion: 119 Resp: 118498
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.4
 91 32.3 23.5 35.3



#70
 n-Butylbenzene
 Concen: 0.061 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Tgt Ion: 91 Resp: 34557
 Ion Ratio Lower Upper
 91 100
 92 109.9 42.9 64.3#
 134 0.0 17.8 26.8#





#71

2-Chlorotoluene

Concen: 0.317 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. 0.10 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

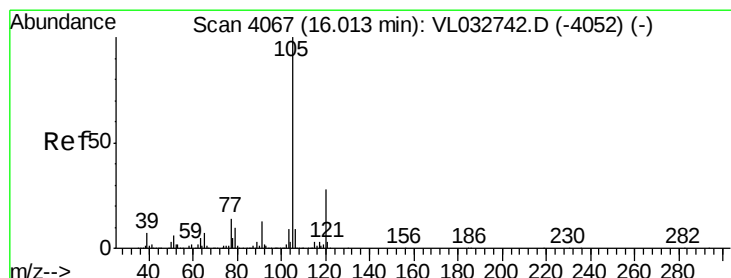
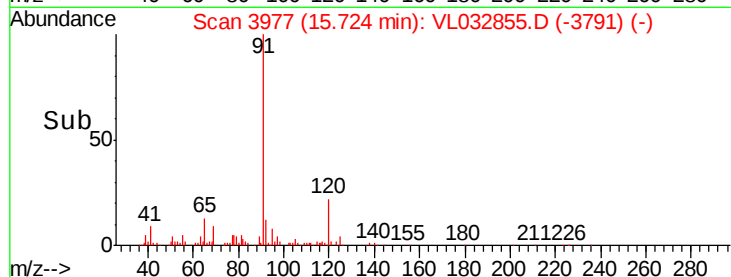
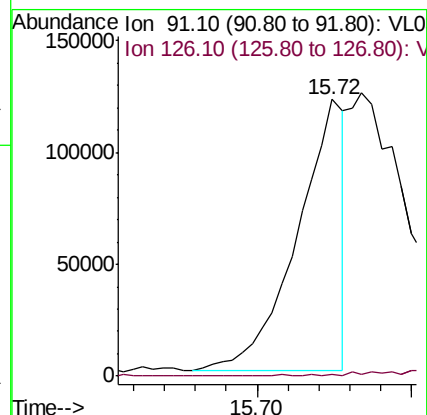
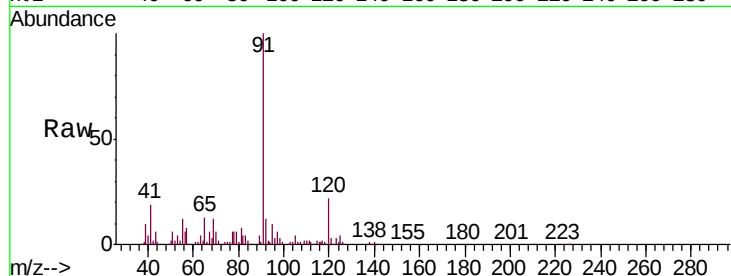
DSV-01

Tgt Ion: 91 Resp: 127646

Ion Ratio Lower Upper

91 100

126 0.0 12.1 48.5#



#72

4-Ethyltoluene

Concen: 0.721 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Tgt Ion: 105 Resp: 315577

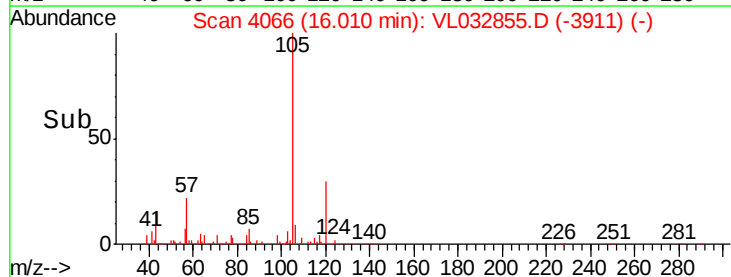
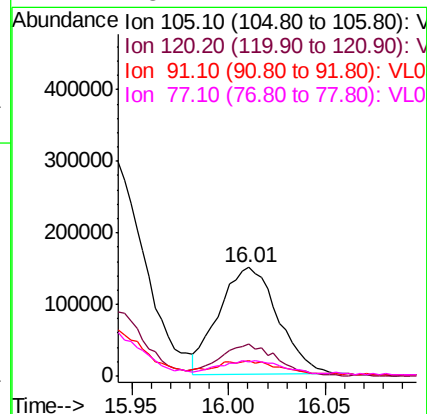
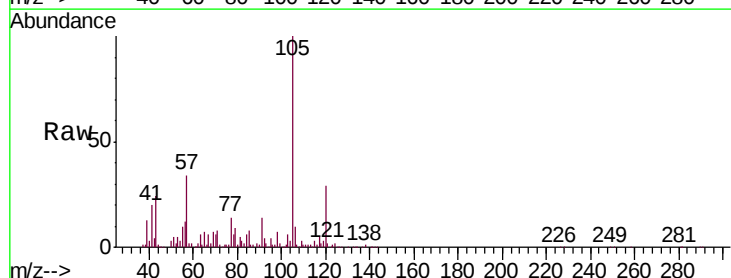
Ion Ratio Lower Upper

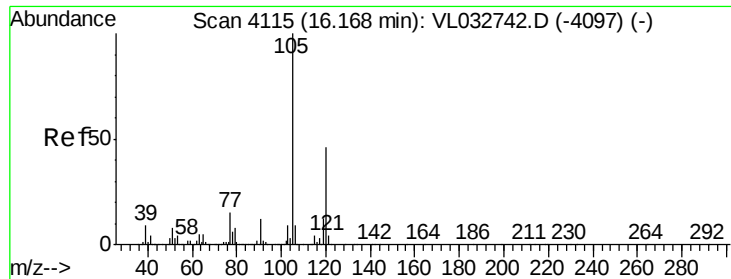
105 100

120 29.1 22.9 34.3

91 14.7 10.6 15.8

77 15.7 11.4 17.2

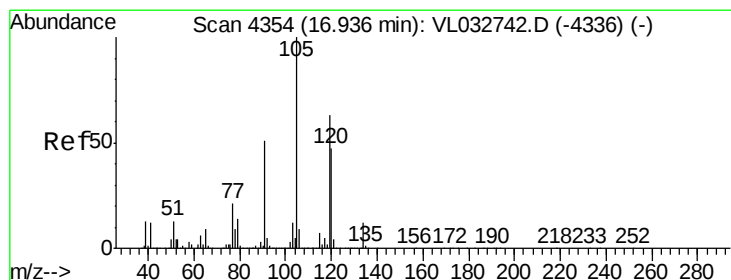
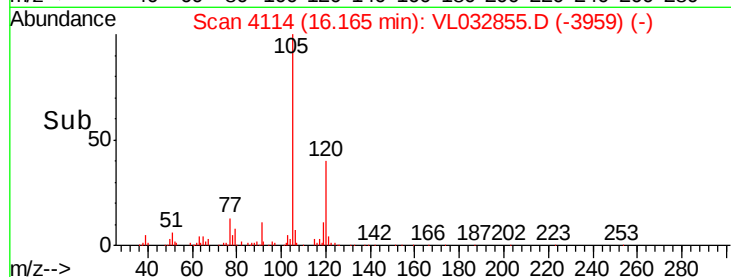
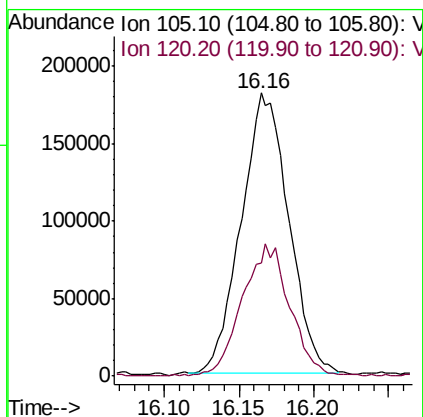
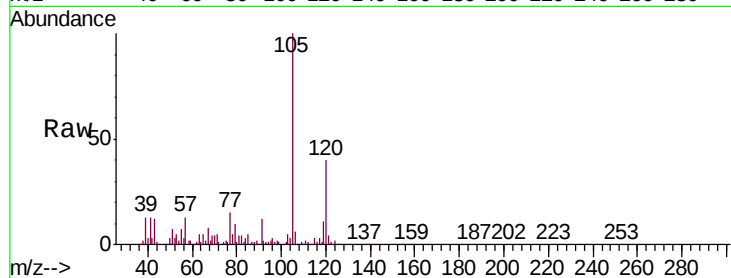




#73
 1,3,5-Trimethylbenzene
 Concen: 0.933 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

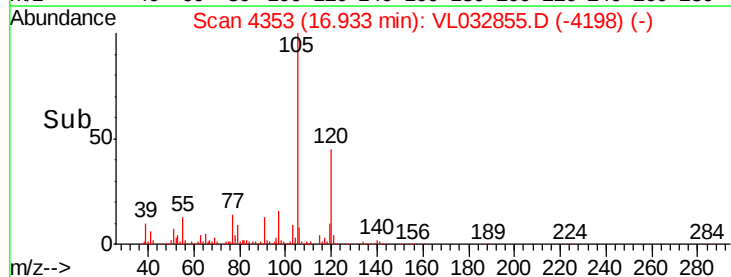
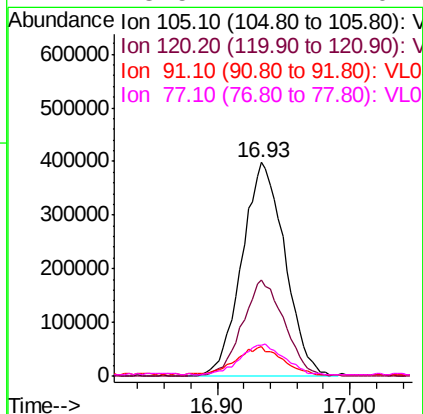
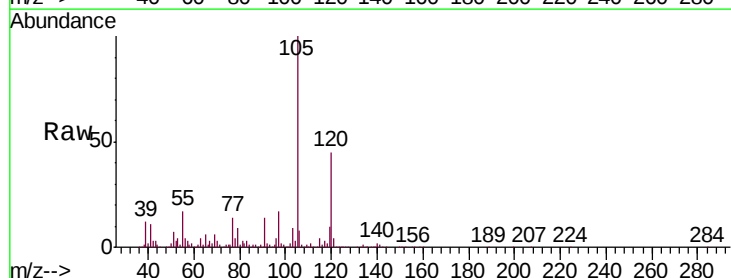
Instrument :
 MSVOA_L
 ClientSampled :
 DSV-01

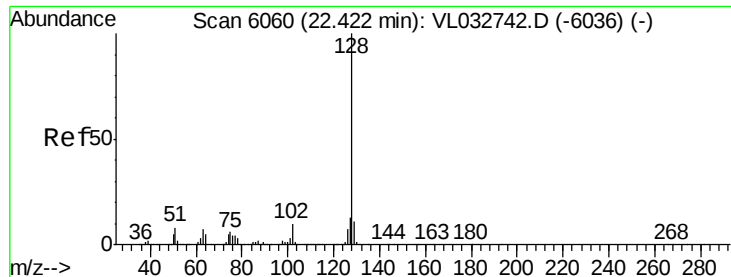
Tgt Ion:105 Resp: 399313
 Ion Ratio Lower Upper
 105 100
 120 39.9 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 1.946 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032855.D
 Acq: 30 Nov 2018 19:02

Tgt Ion:105 Resp: 891363
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.6 56.4
 91 12.8 42.5 63.7#
 77 13.5 17.4 26.2#





#79

Naphthalene

Concen: 0.102 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

Instrument :

MSVOA_L

ClientSampleId :

DSV-01

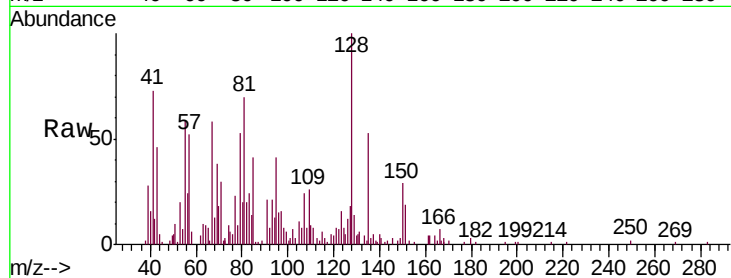
Tgt Ion:128 Resp: 30762

Ion Ratio Lower Upper

128 100

127 15.6 10.1 15.1#

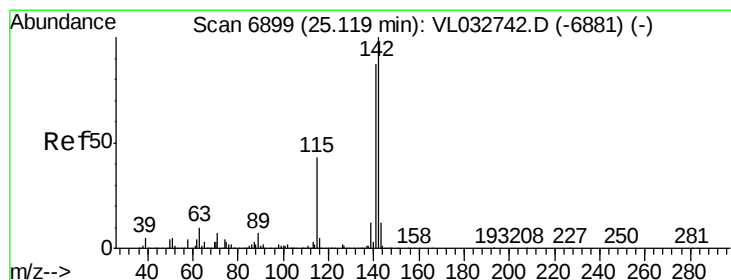
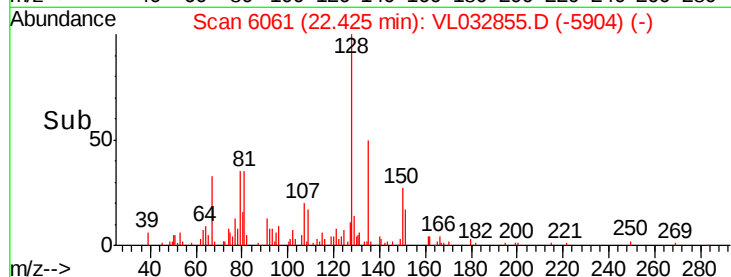
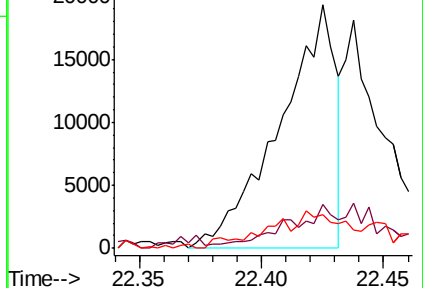
129 12.5 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.049 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.01 min

Lab File: VL032855.D

Acq: 30 Nov 2018 19:02

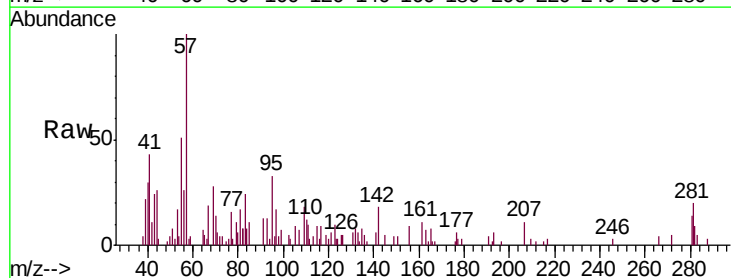
Tgt Ion:142 Resp: 3664

Ion Ratio Lower Upper

142 100

141 95.0 68.7 103.1

115 56.4 35.5 53.3#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

