

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032465.D
 Acq On : 5 Sep 2018 20:10
 Operator : SY/AP
 Sample : J4745-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

Quant Time: Sep 06 05:01:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1621520	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3323872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3156330	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2404478	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

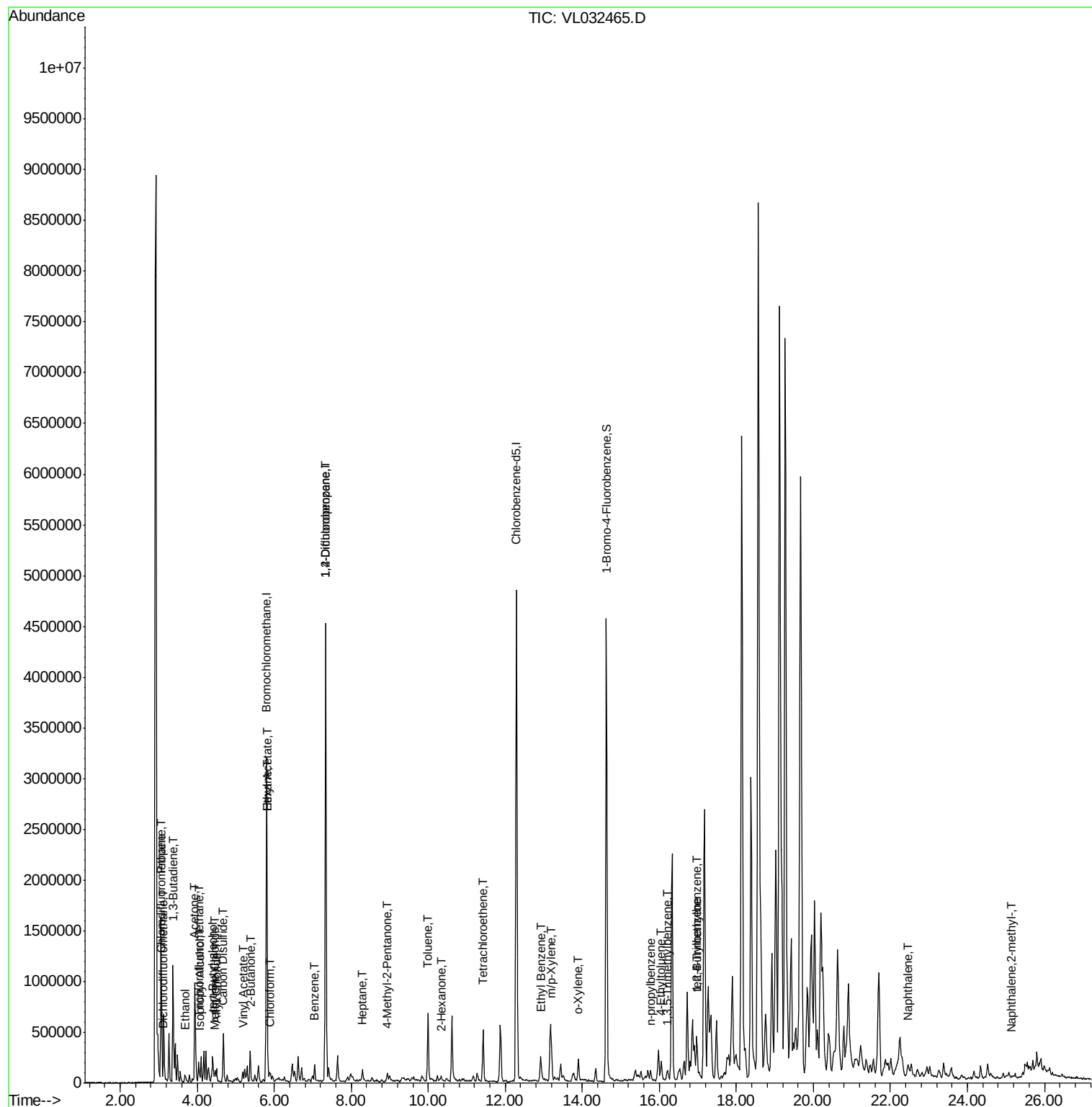
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	12963	0.062	ppbv	97
3) Chlorodifluoromethane	3.04	51	18054	0.123	ppbv	95
9) Propene	3.06	41	659959	11.146	ppbv	94
10) Heptane	8.30	43	44223	0.208	ppbv	96
11) Trichlorofluoromethane	4.04	101	110456	0.591	ppbv	91
13) Ethanol	3.68	45	73433	3.979	ppbv	89
15) Acetone	3.94	43	1028710	7.045	ppbv	96
16) 1,3-Butadiene	3.37	39	371829	5.411	ppbv #	20
17) tert-Butyl alcohol	4.40	59	145005	6.453	ppbv #	100
19) Isopropyl Alcohol	4.07	45	21830	0.228	ppbv #	93
20) Methylene Chloride	4.44	84	16583	0.298	ppbv #	86
21) Allyl Chloride	4.50	41	8345	0.086	ppbv #	1
23) Vinyl Acetate	5.18	43	45997	0.190	ppbv #	57
25) Ethyl Acetate	5.82	43	27730	0.080	ppbv #	85
26) Hexane	5.82	57	74363	0.482	ppbv #	40
27) Carbon Disulfide	4.66	76	24247	0.170	ppbv #	50
29) Chloroform	5.88	83	19478	0.083	ppbv	90
34) 2-Butanone	5.38	43	329000	1.490	ppbv	99
36) Benzene	7.05	78	136094	0.481	ppbv	95
39) 1,2-Dichloropropane	7.33	63	876958	7.246	ppbv #	25
50) 4-Methyl-2-Pentanone	8.93	43	27039	0.081	ppbv #	39
51) 2-Hexanone	10.33	43	19729	0.092	ppbv #	29
52) Tetrachloroethene	11.42	164	58930	0.672	ppbv	94
53) Toluene	9.99	91	516196	1.746	ppbv	99
58) Ethyl Benzene	12.92	91	171596	0.454	ppbv	92
59) m/p-Xylene	13.20	91	137535	0.408	ppbv #	31
60) o-Xylene	13.90	91	93053	0.281	ppbv #	48
64) n-propylbenzene	15.77	120	13953	0.115	ppbv #	48
65) tert-Butylbenzene	16.97	119	32793	0.082	ppbv #	69
72) 4-Ethyltoluene	16.05	105	51055	0.141	ppbv #	39
73) 1,3,5-Trimethylbenzene	16.21	105	61462	0.170	ppbv	94
74) 1,2,4-Trimethylbenzene	16.97	105	301214	0.761	ppbv #	70
79) Naphthalene	22.46	128	13386	0.042	ppbv #	93
80) Naphthalene,2-methyl-	25.14	142	6473	0.076	ppbv #	84

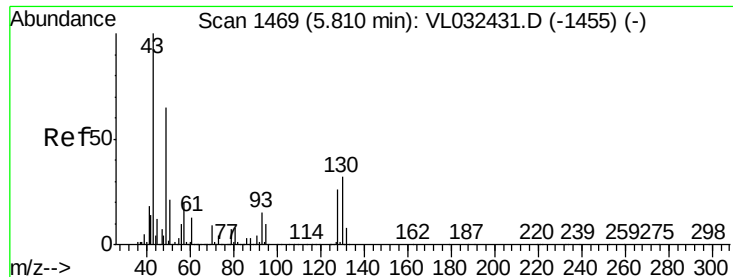
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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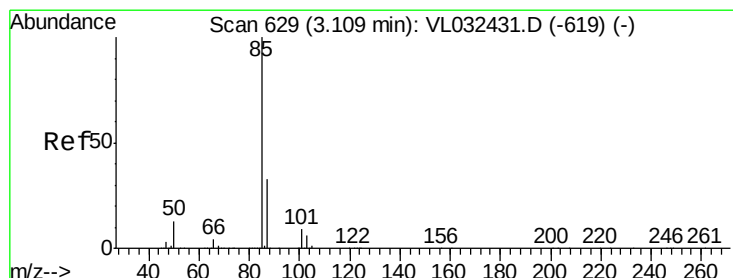
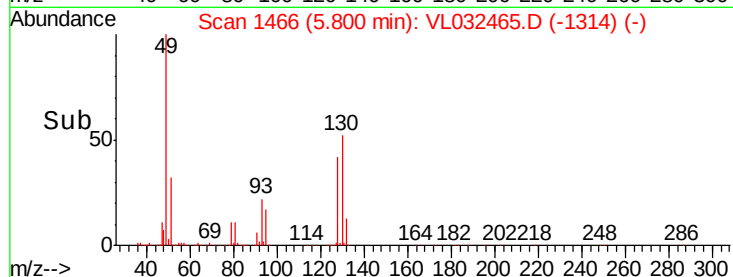
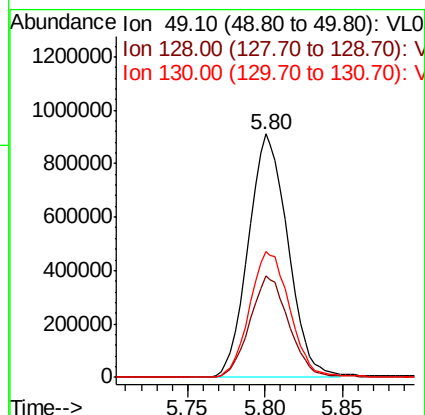
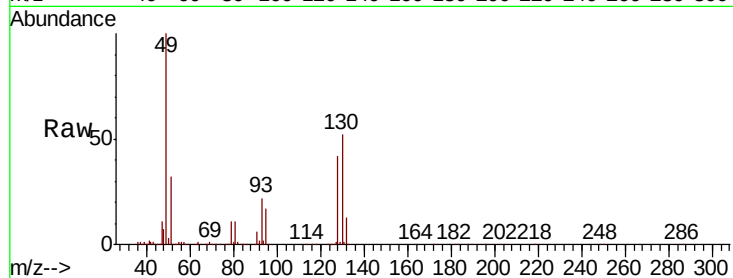




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.80 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

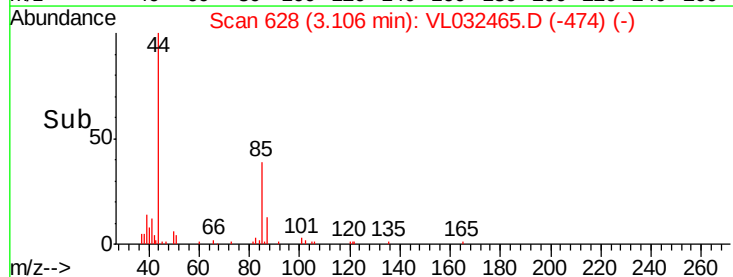
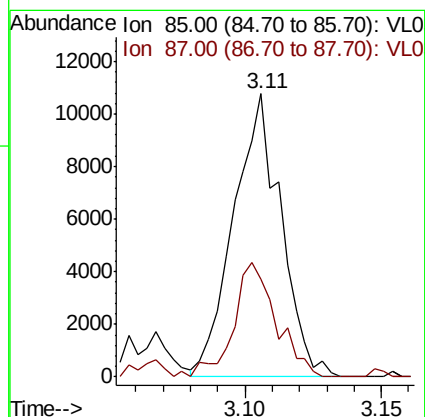
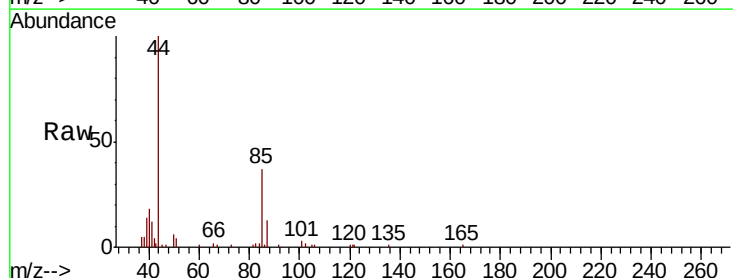
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

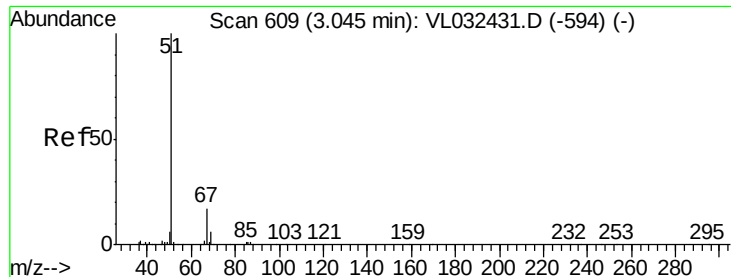
Tgt Ion: 49 Resp: 1621520
 Ion Ratio Lower Upper
 49 100
 128 41.5 20.7 62.1
 130 53.1 26.6 79.7



#2
 Dichlorodifluoromethane
 Concen: 0.062 ppbv
 RT: 3.11 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion: 85 Resp: 12963
 Ion Ratio Lower Upper
 85 100
 87 34.6 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.123 ppbv

RT: 3.04 min Scan# 609

Delta R.T. -0.00 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

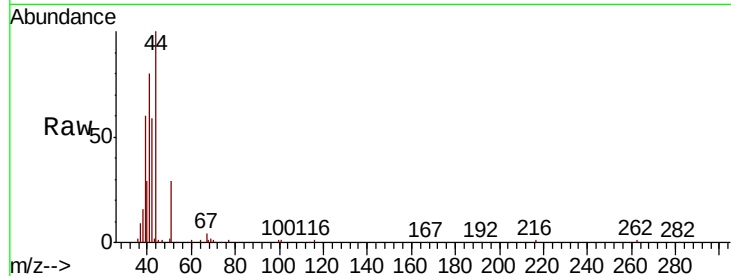
VP-03DL

Tgt Ion: 51 Resp: 18054

Ion Ratio Lower Upper

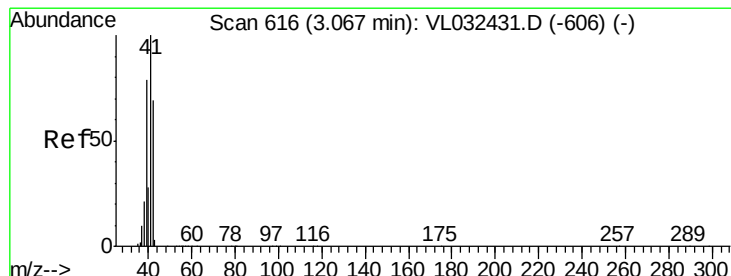
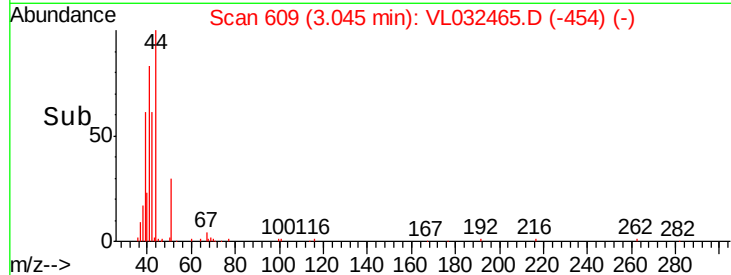
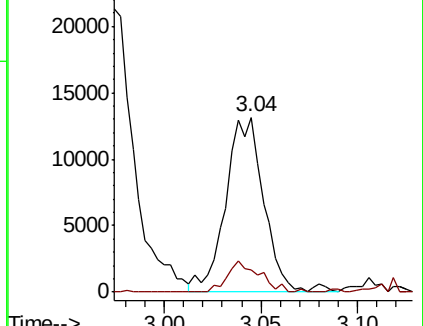
51 100

67 15.0 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 11.146 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032465.D

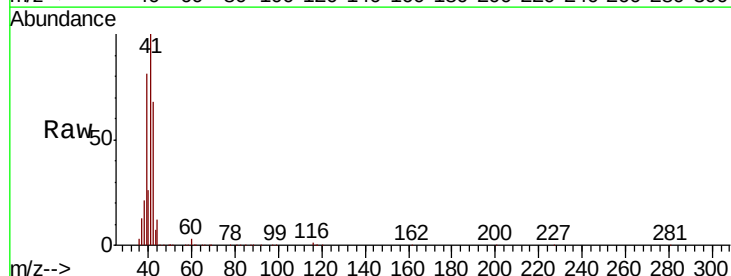
Acq: 5 Sep 2018 20:10

Tgt Ion: 41 Resp: 659959

Ion Ratio Lower Upper

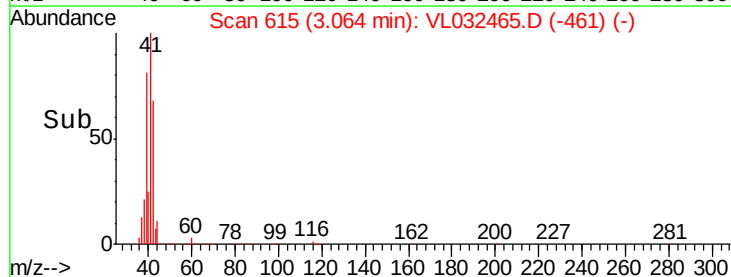
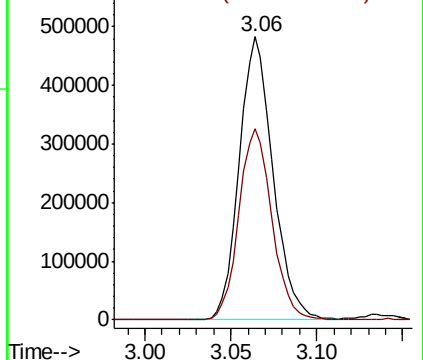
41 100

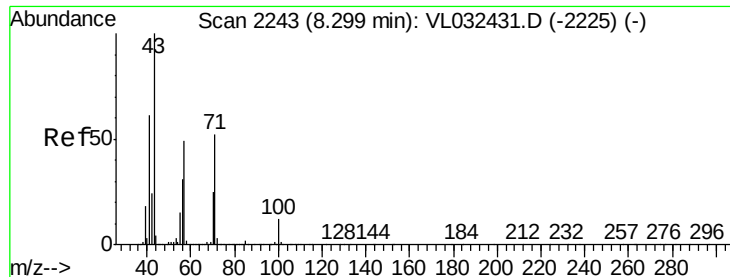
42 66.2 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.208 ppbv

RT: 8.30 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

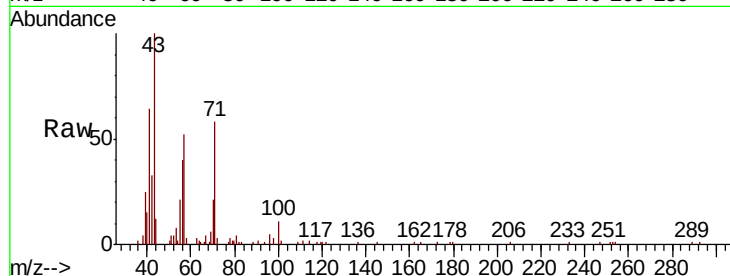
VP-03DL

Tgt Ion: 43 Resp: 44223

Ion Ratio Lower Upper

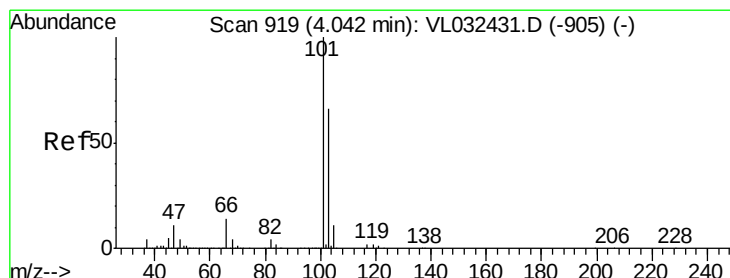
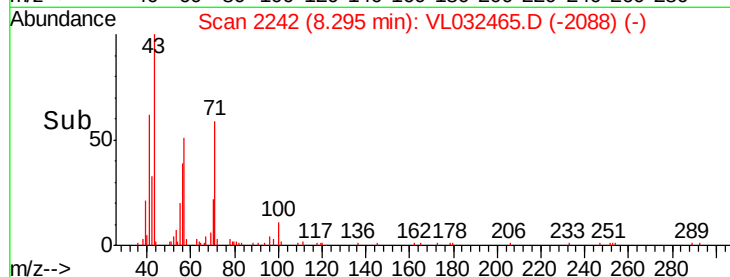
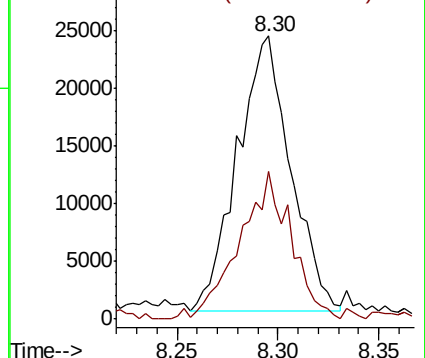
43 100

57 52.3 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.591 ppbv

RT: 4.04 min Scan# 919

Delta R.T. -0.00 min

Lab File: VL032465.D

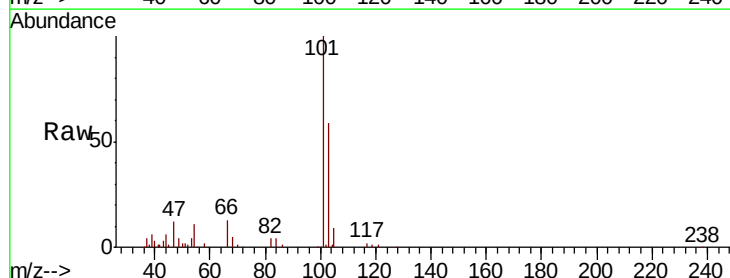
Acq: 5 Sep 2018 20:10

Tgt Ion: 101 Resp: 110456

Ion Ratio Lower Upper

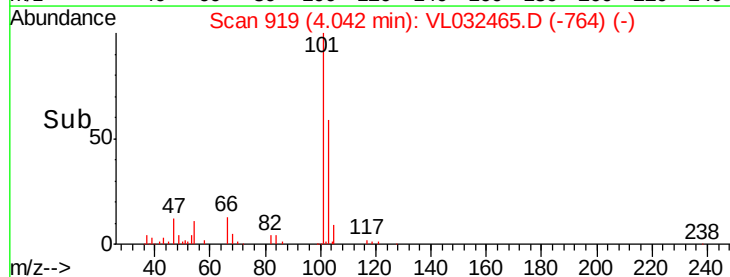
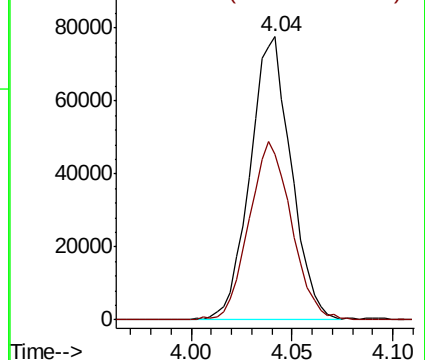
101 100

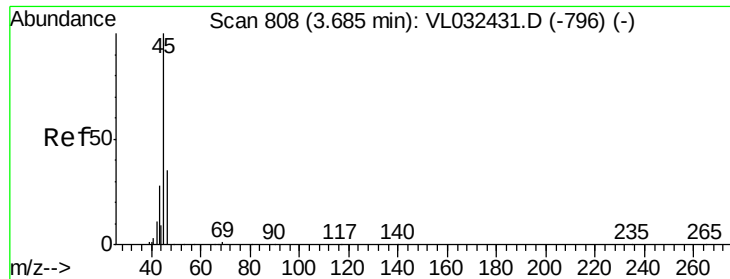
103 58.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 3.979 ppbv

RT: 3.68 min Scan# 808

Delta R.T. -0.00 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

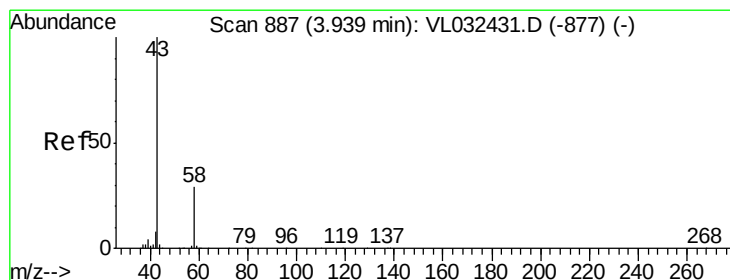
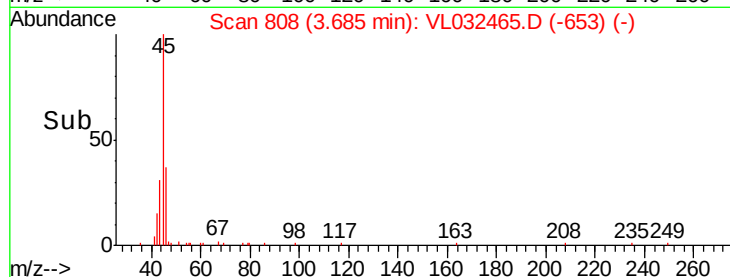
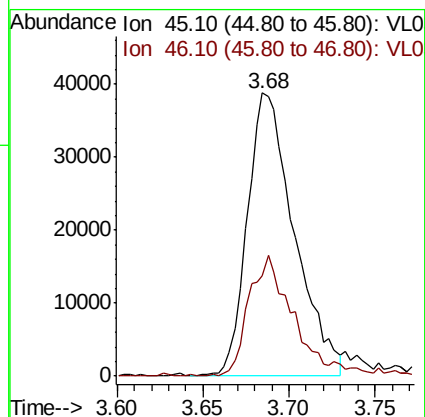
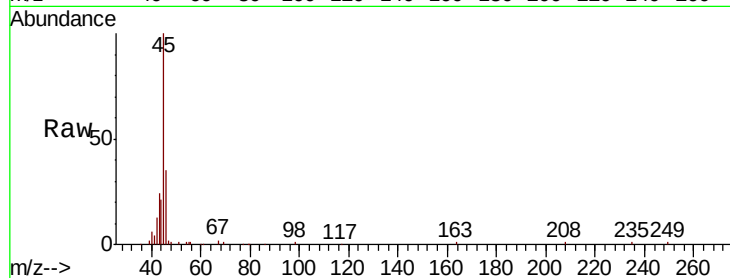
VP-03DL

Tgt Ion: 45 Resp: 73433

Ion Ratio Lower Upper

45 100

46 42.2 14.2 56.8



#15

Acetone

Concen: 7.045 ppbv

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032465.D

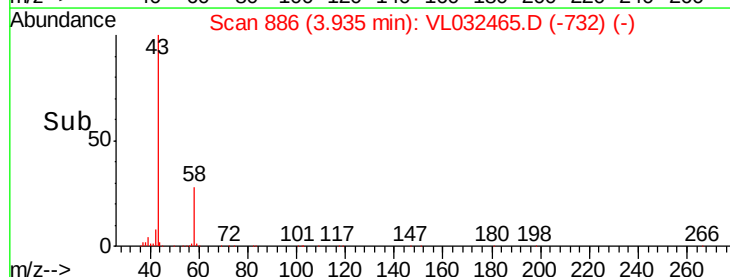
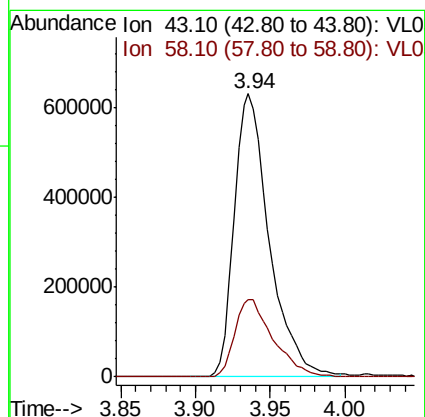
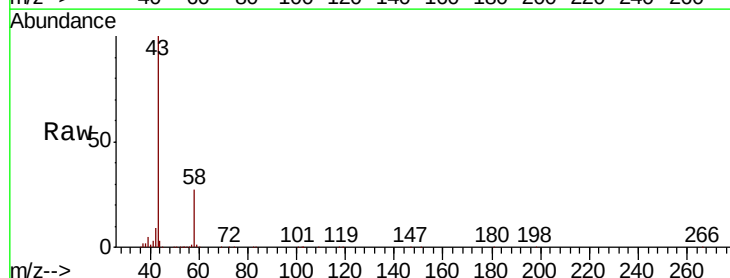
Acq: 5 Sep 2018 20:10

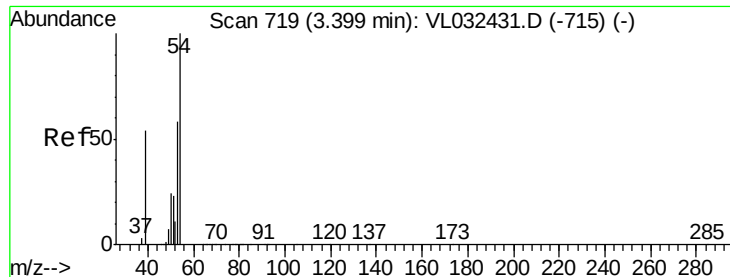
Tgt Ion: 43 Resp: 1028710

Ion Ratio Lower Upper

43 100

58 30.1 22.6 33.8

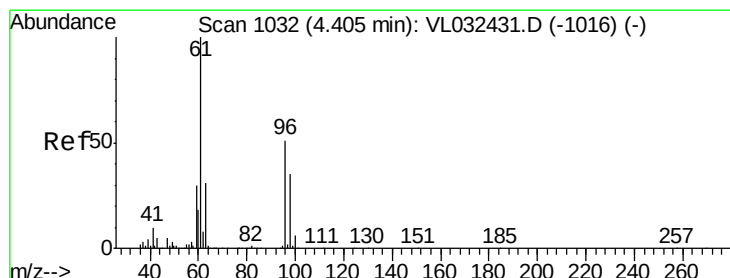
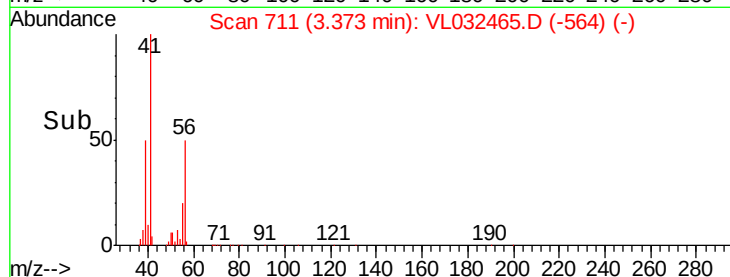
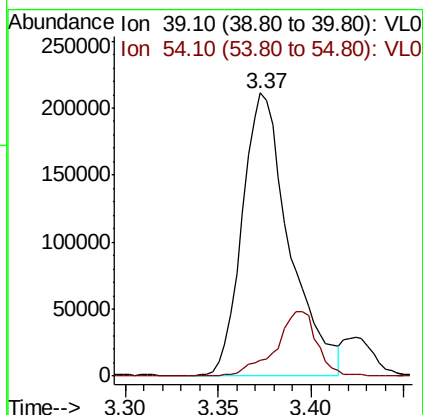
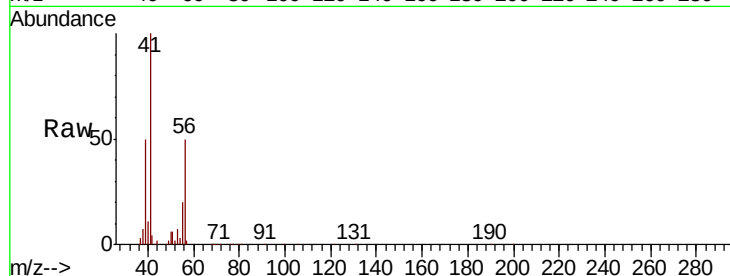




#16
 1,3-Butadiene
 Concen: 5.411 ppbv
 RT: 3.37 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

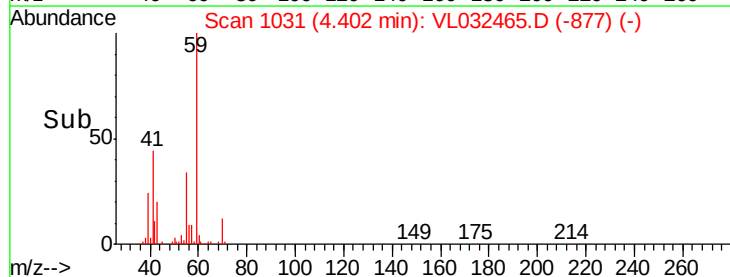
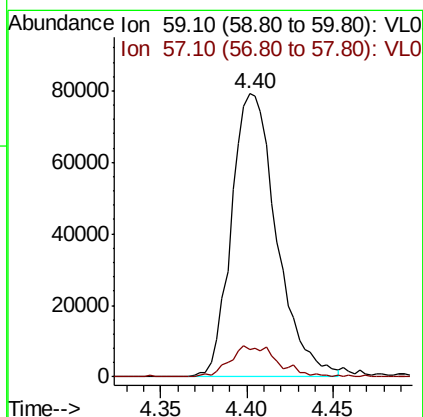
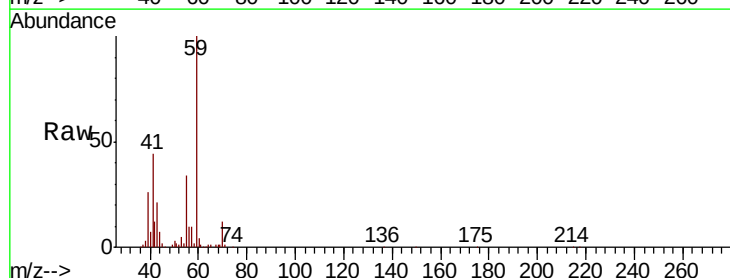
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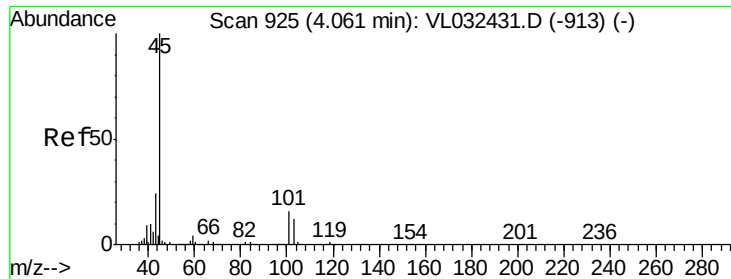
Tgt Ion: 39 Resp: 371829
 Ion Ratio Lower Upper
 39 100
 54 20.2 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 6.453 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion: 59 Resp: 145005
 Ion Ratio Lower Upper
 59 100
 57 11.8 0.0 0.0#

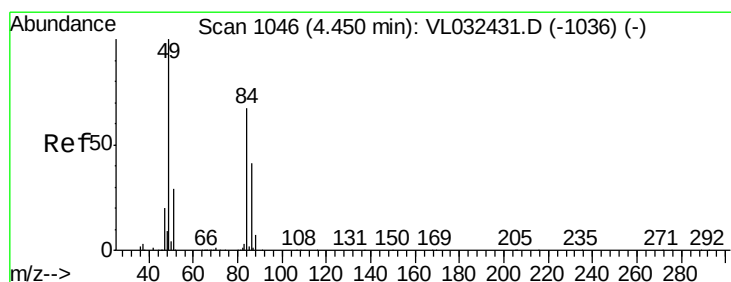
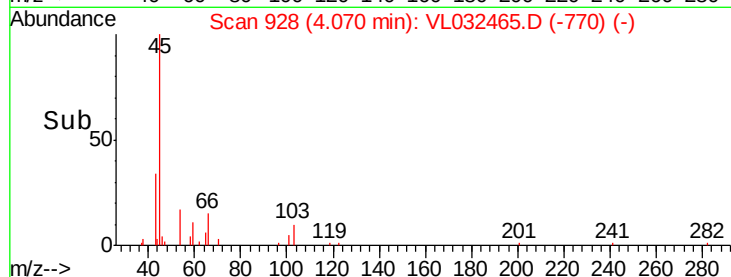
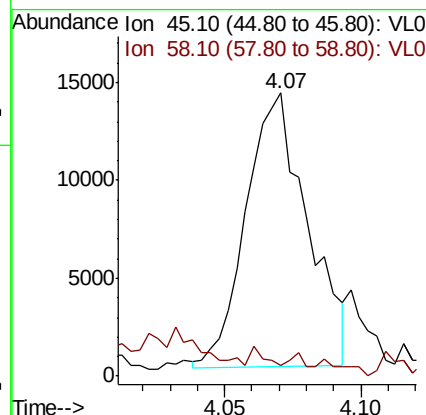
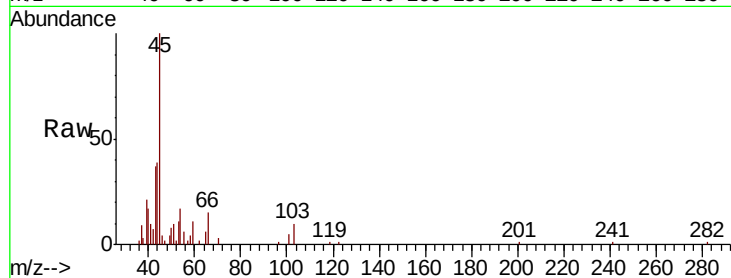




#19
Isopropyl Alcohol
Concen: 0.228 ppbv
RT: 4.07 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL032465.D
Acq: 5 Sep 2018 20:10

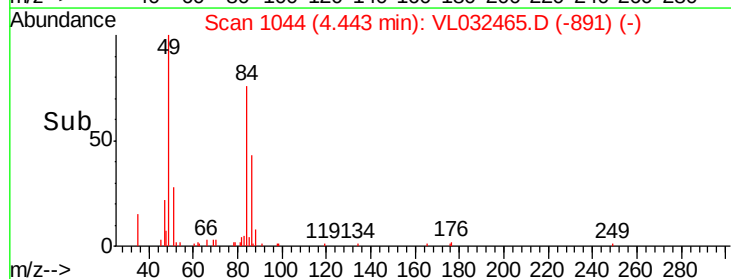
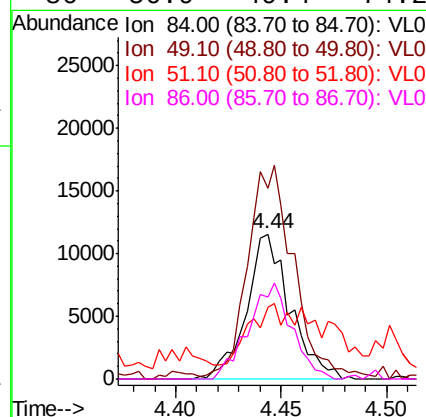
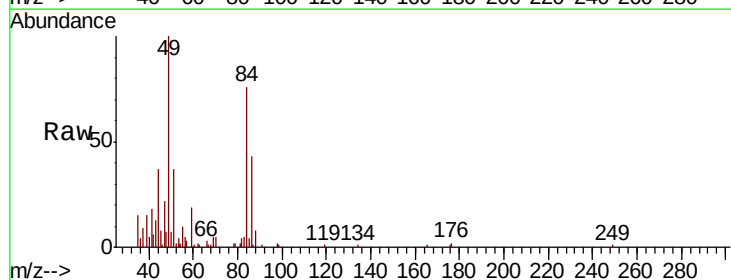
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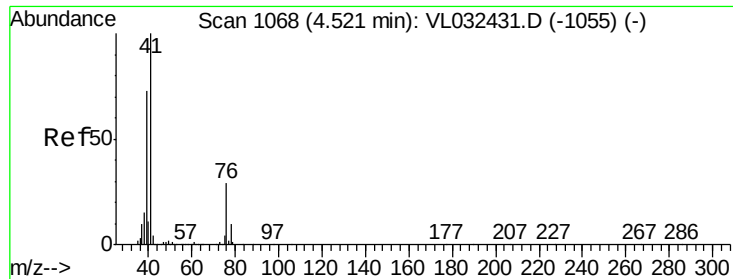
Tgt Ion: 45 Resp: 21830
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#



#20
Methylene Chloride
Concen: 0.298 ppbv
RT: 4.44 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VL032465.D
Acq: 5 Sep 2018 20:10

Tgt Ion: 84 Resp: 16583
Ion Ratio Lower Upper
84 100
49 128.6 119.1 178.7
51 33.2 35.2 52.8#
86 56.9 49.4 74.2

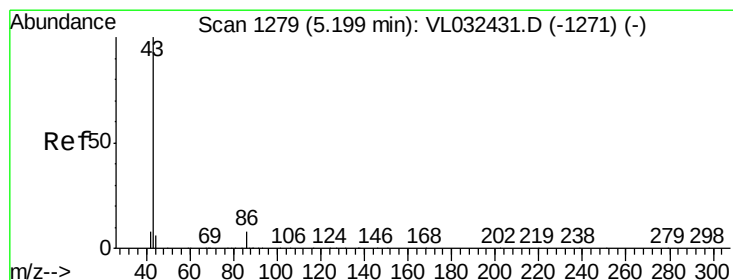
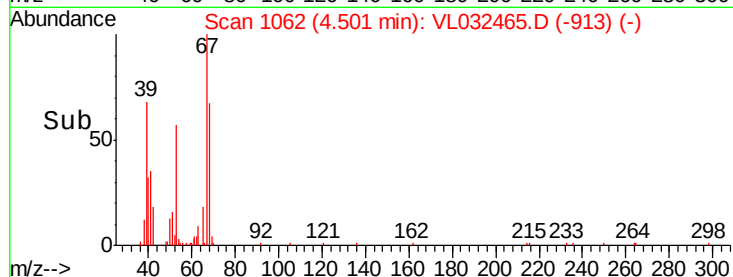
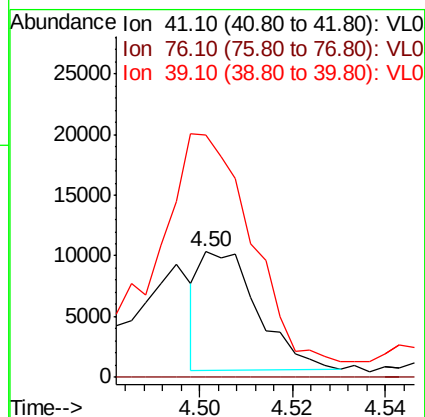
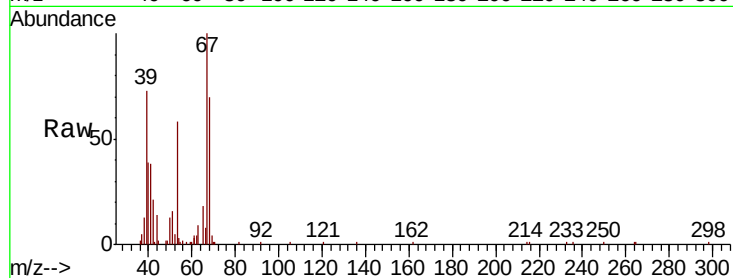




#21
 Allyl Chloride
 Concen: 0.086 ppbv
 RT: 4.50 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

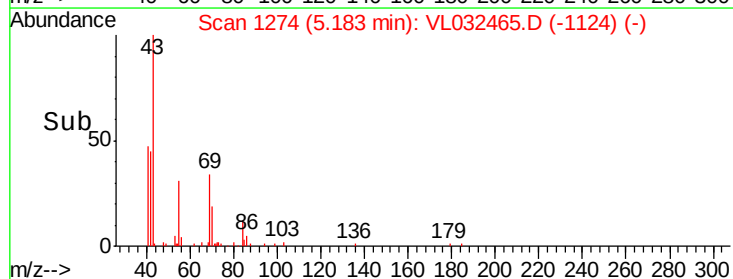
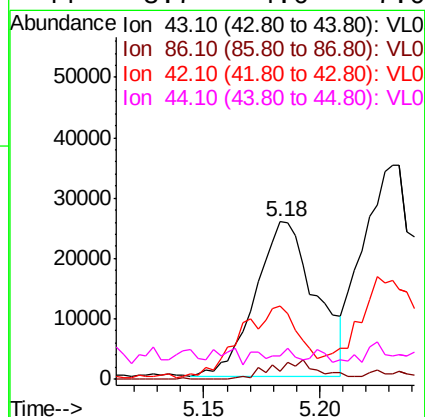
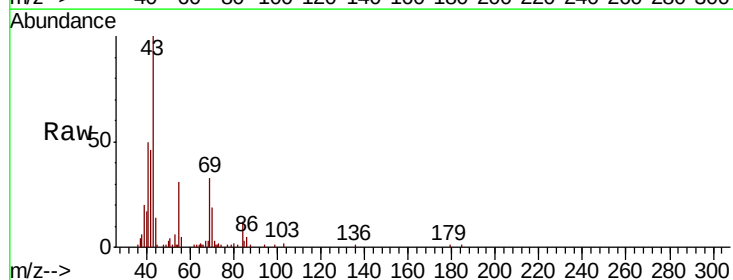
Instrument :
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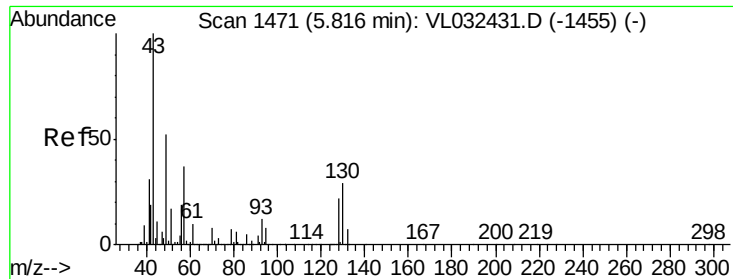
Tgt Ion: 41 Resp: 8345
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.6 35.4#
 39 493.0 57.7 86.5#



#23
 Vinyl Acetate
 Concen: 0.190 ppbv
 RT: 5.18 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion: 43 Resp: 45997
 Ion Ratio Lower Upper
 43 100
 86 4.7 5.9 8.9#
 42 44.1 6.9 10.3#
 44 3.7 4.6 7.0#

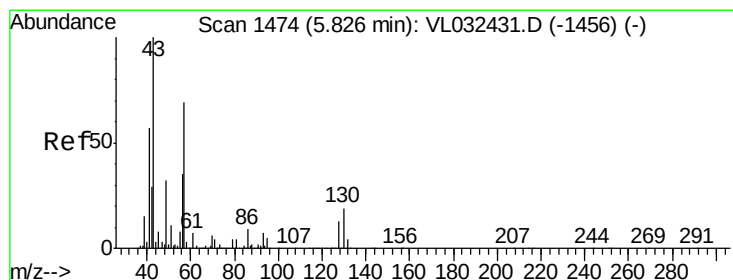
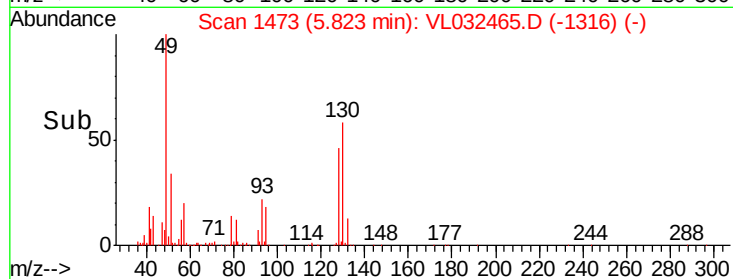
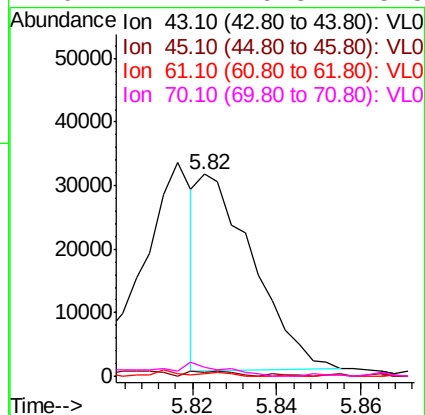
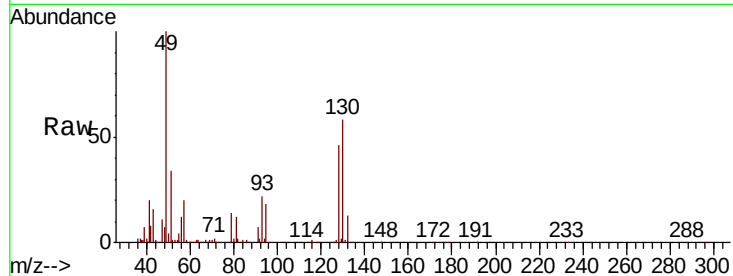




#25
Ethyl Acetate
Concen: 0.080 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.01 min
Lab File: VL032465.D
Acq: 5 Sep 2018 20:10

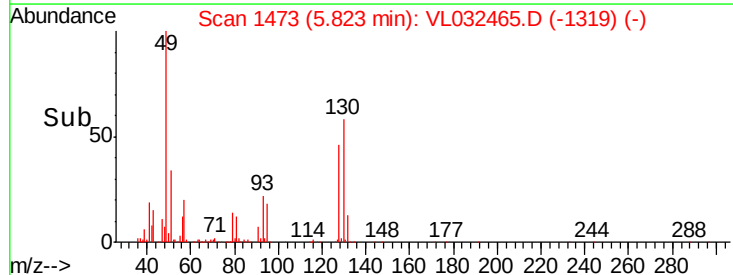
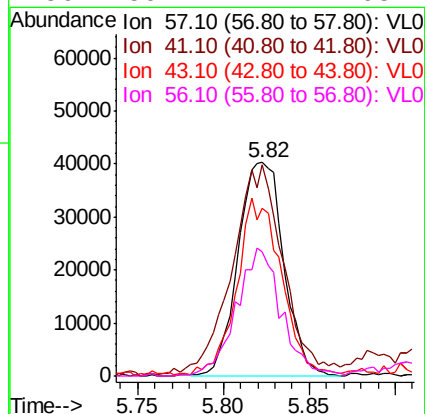
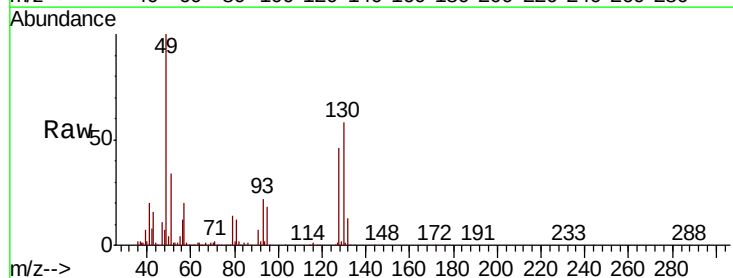
Instrument :
MSVOA_L
ClientSampleId :
VP-03DL

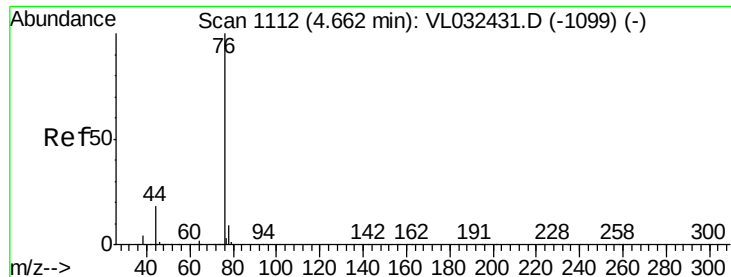
Tgt Ion:	43	Resp:	27730
Ion	Ratio	Lower	Upper
43	100		
45	8.1	8.0	12.0
61	0.0	7.6	11.4#
70	12.1	5.8	8.8#



#26
Hexane
Concen: 0.482 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032465.D
Acq: 5 Sep 2018 20:10

Tgt Ion:	57	Resp:	74363
Ion	Ratio	Lower	Upper
57	100		
41	112.4	69.0	103.4#
43	79.5	172.1	258.1#
56	59.2	42.2	63.2





#27

Carbon Disulfide

Concen: 0.170 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

VP-03DL

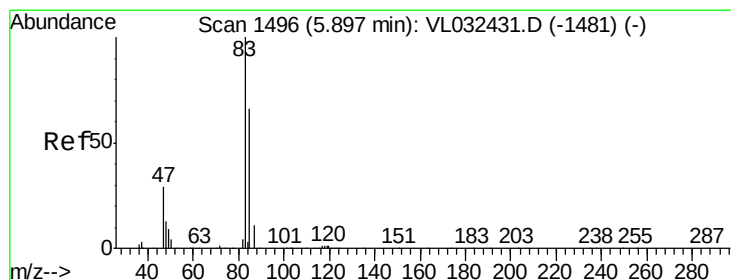
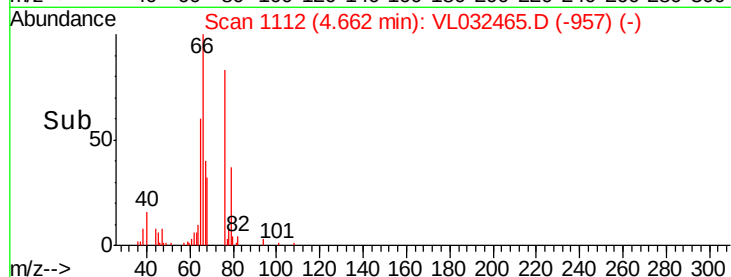
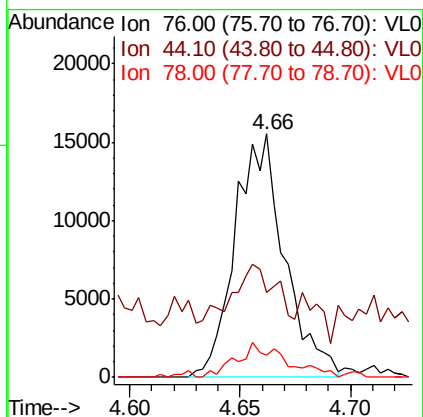
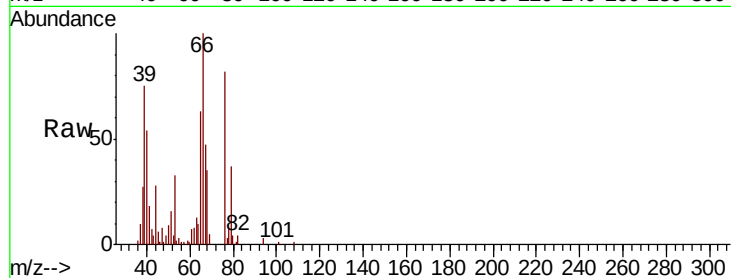
Tgt Ion: 76 Resp: 24247

Ion Ratio Lower Upper

76 100

44 47.3 14.0 21.0#

78 15.4 7.5 11.3#



#29

Chloroform

Concen: 0.083 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL032465.D

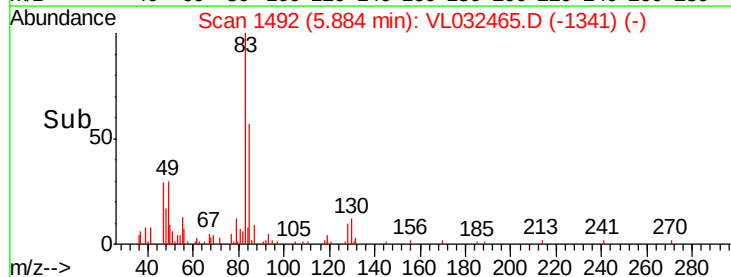
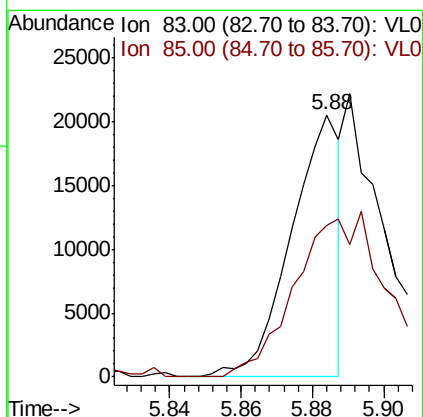
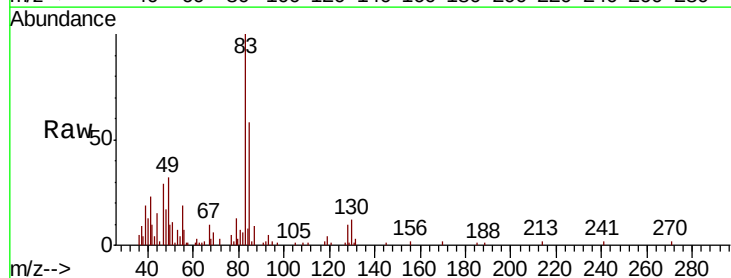
Acq: 5 Sep 2018 20:10

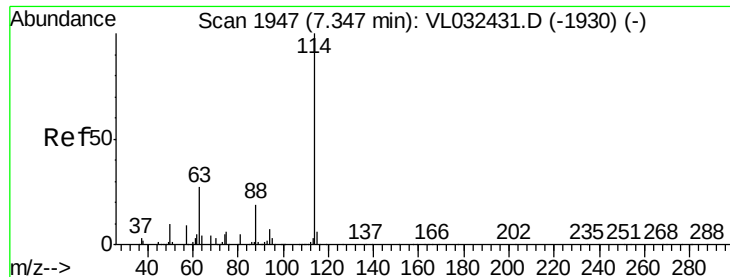
Tgt Ion: 83 Resp: 19478

Ion Ratio Lower Upper

83 100

85 58.0 52.5 78.7

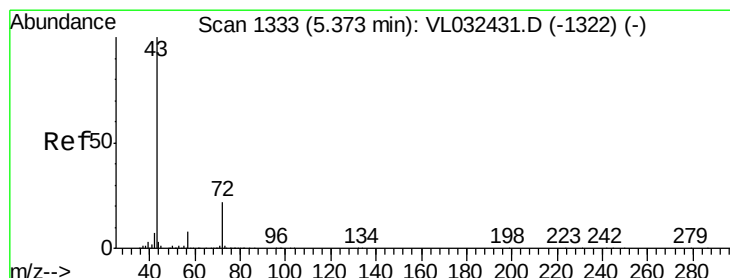
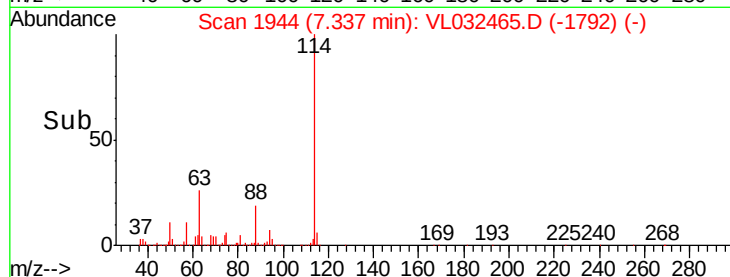
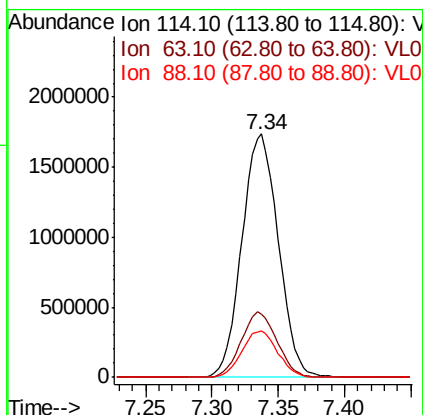
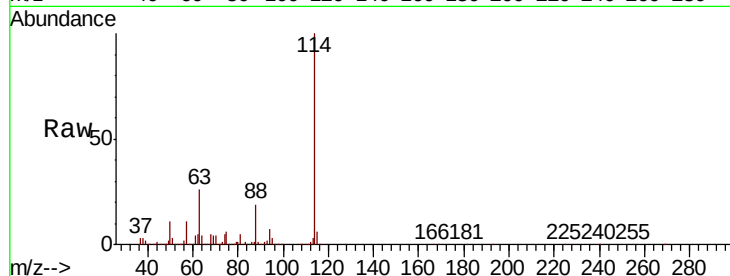




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

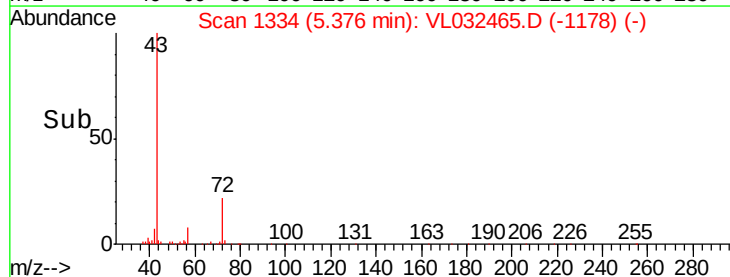
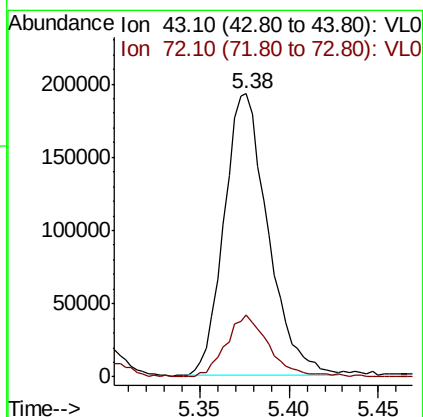
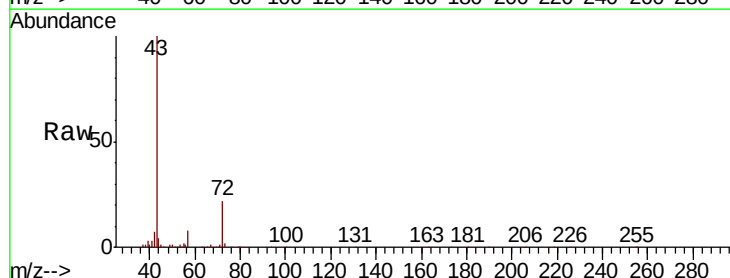
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

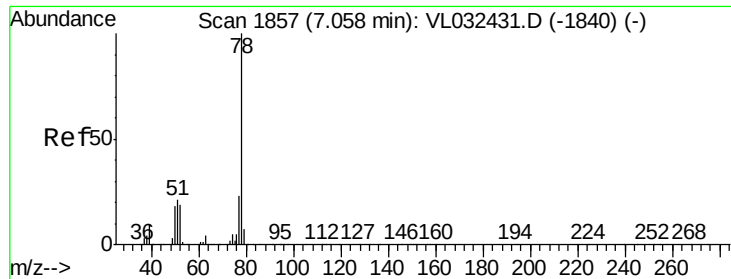
Tgt Ion: 114 Resp: 3323872
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.2 33.4
 88 18.9 15.0 22.4



#34
 2-Butanone
 Concen: 1.490 ppbv
 RT: 5.38 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion: 43 Resp: 329000
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.8 26.6





#36

Benzene

Concen: 0.481 ppbv

RT: 7.05 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

VP-03DL

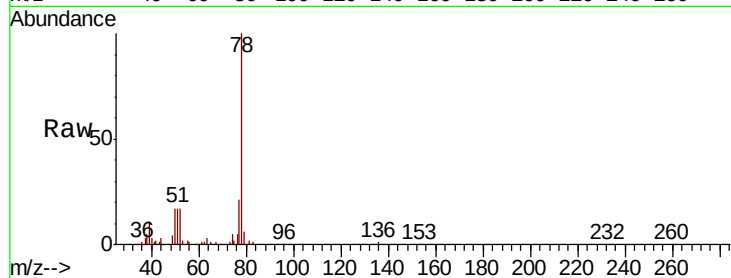
Tgt Ion: 78 Resp: 136094

Ion Ratio Lower Upper

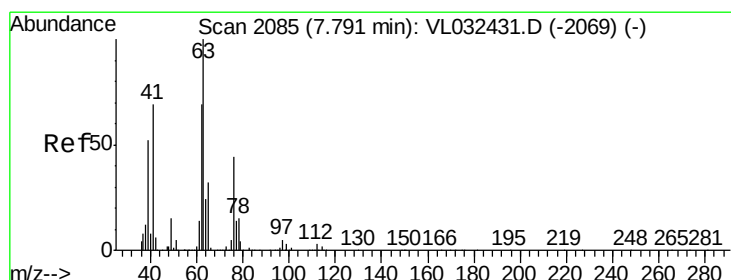
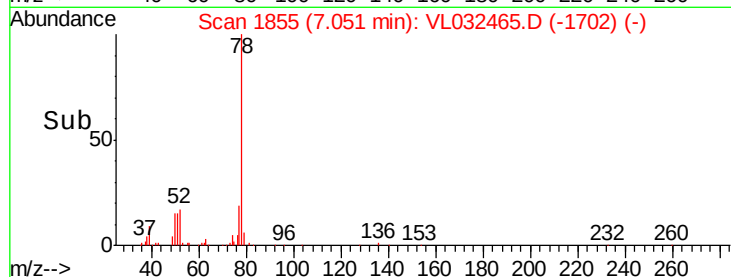
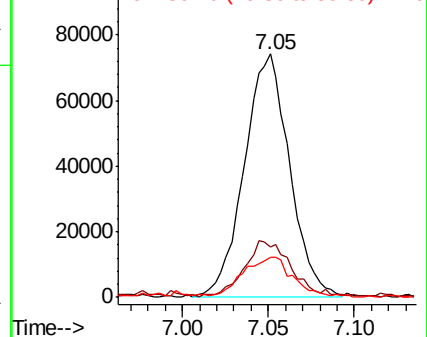
78 100

77 19.9 18.4 27.6

50 16.3 14.4 21.6



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: 7.246 ppbv

RT: 7.33 min Scan# 1943

Delta R.T. -0.46 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

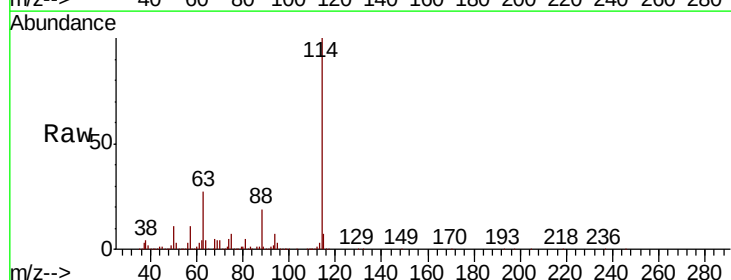
Tgt Ion: 63 Resp: 876958

Ion Ratio Lower Upper

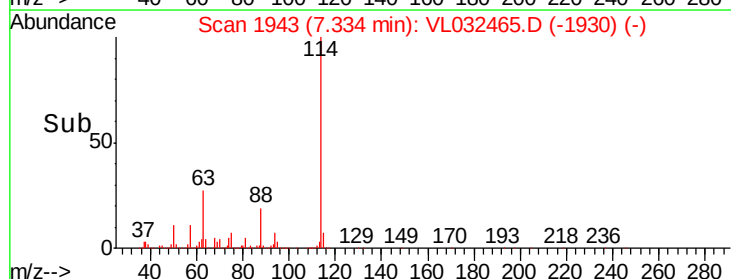
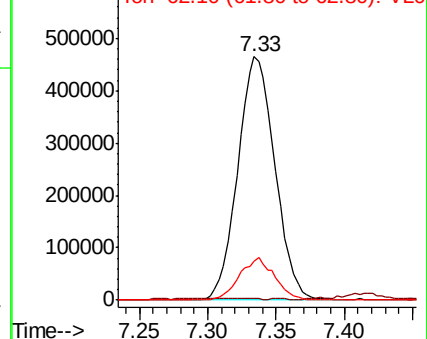
63 100

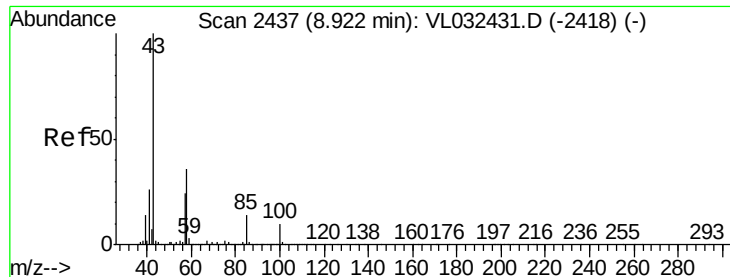
41 0.3 55.4 83.0#

62 15.8 55.4 83.0#



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

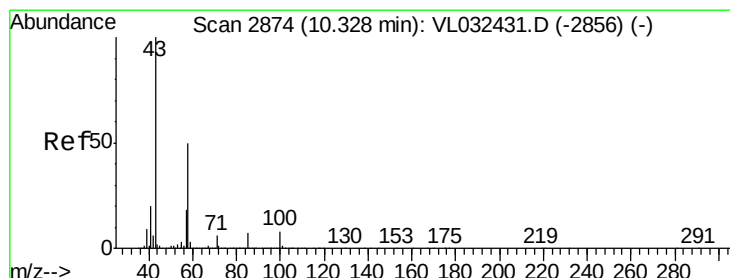
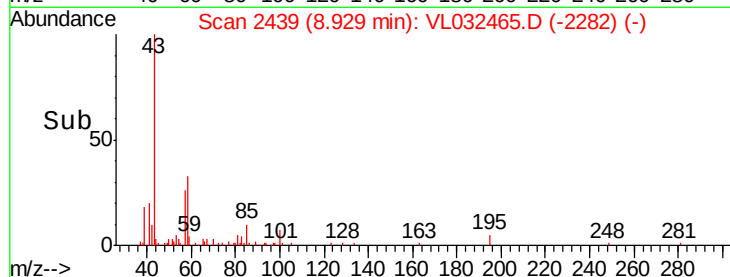
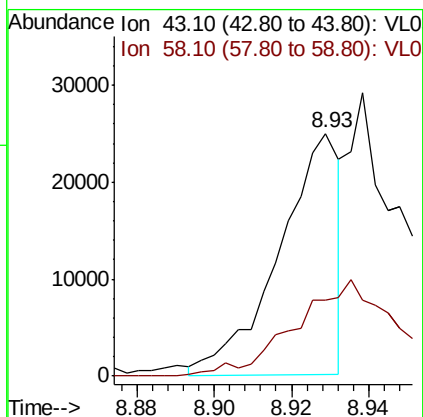
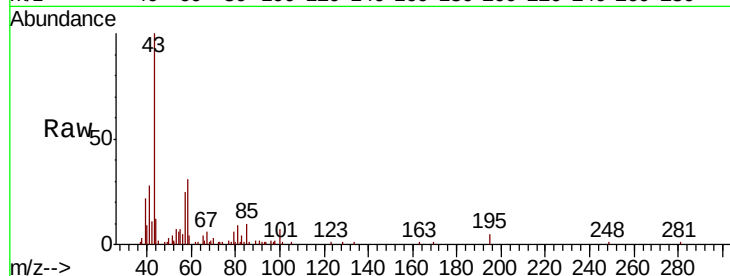




#50
 4-Methyl-2-Pentanone
 Concen: 0.081 ppbv
 RT: 8.93 min Scan# 2439
 Delta R.T. 0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

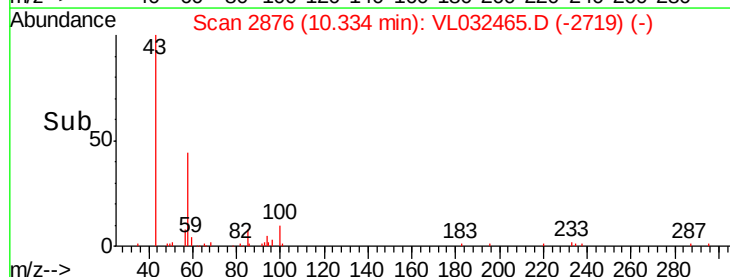
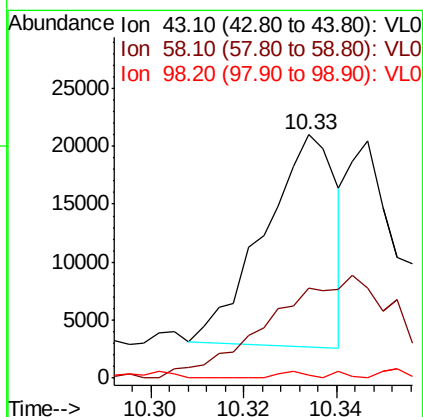
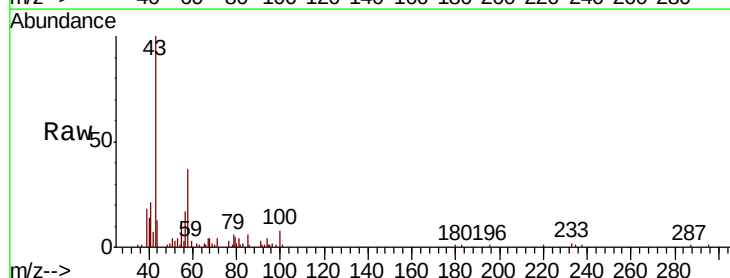
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

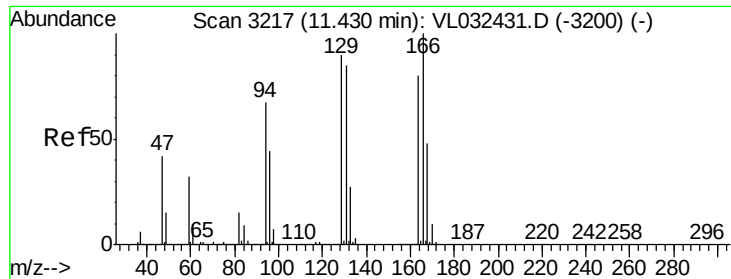
Tgt Ion: 43 Resp: 27039
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 43.4#



#51
 2-Hexanone
 Concen: 0.092 ppbv
 RT: 10.33 min Scan# 2876
 Delta R.T. 0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion: 43 Resp: 19729
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.2 58.8#
 98 1.8 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.672 ppbv

RT: 11.42 min Scan# 3213

Delta R.T. -0.01 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleID :

VP-03DL

Tgt Ion:164 Resp: 58930

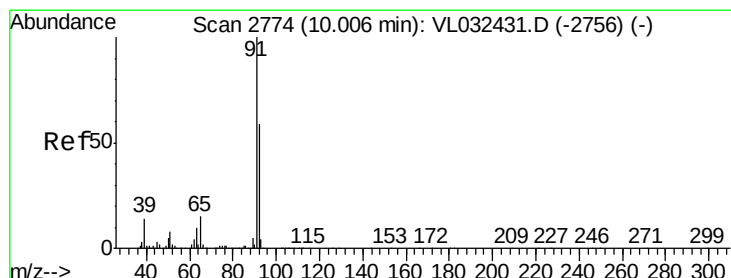
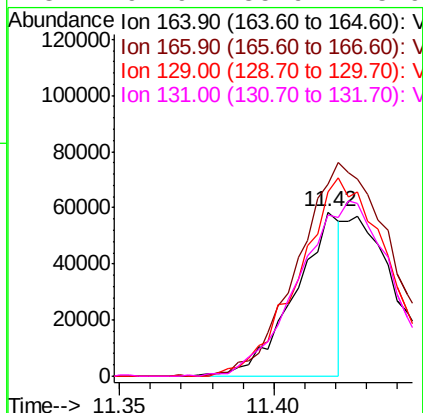
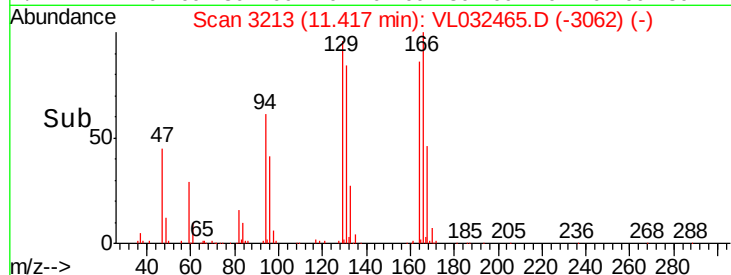
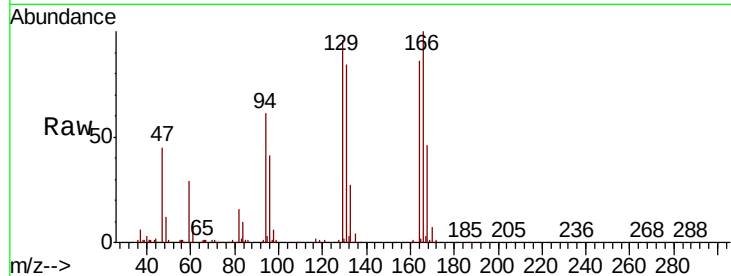
Ion Ratio Lower Upper

164 100

166 116.7 100.6 150.8

129 112.1 89.9 134.9

131 97.9 85.9 128.9



#53

Toluene

Concen: 1.746 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032465.D

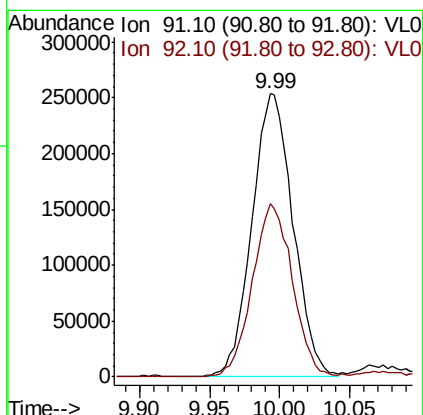
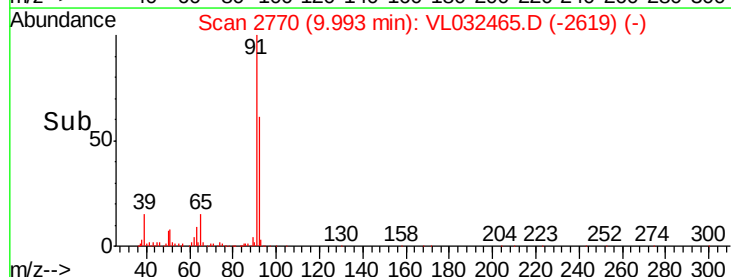
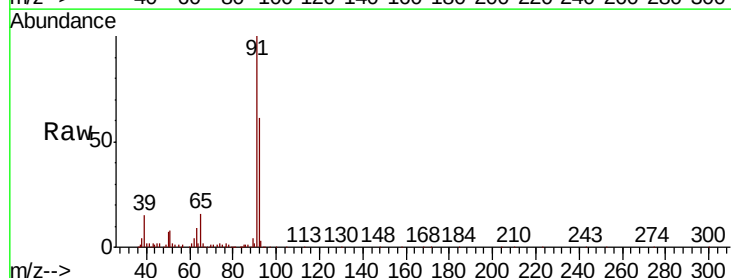
Acq: 5 Sep 2018 20:10

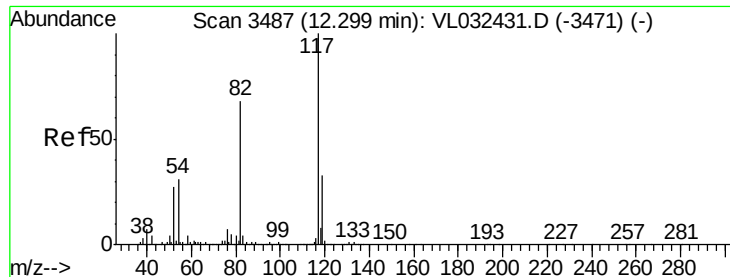
Tgt Ion: 91 Resp: 516196

Ion Ratio Lower Upper

91 100

92 59.3 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

VP-03DL

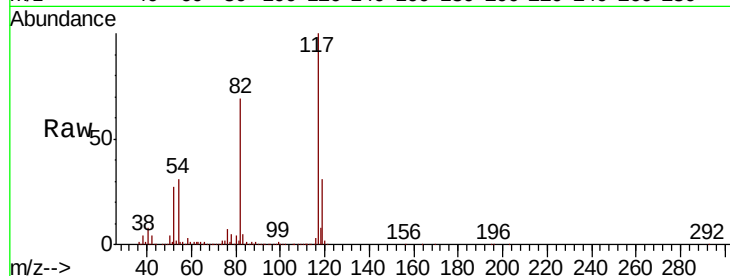
Tgt Ion:117 Resp: 3156330

Ion Ratio Lower Upper

117 100

82 68.5 53.0 79.6

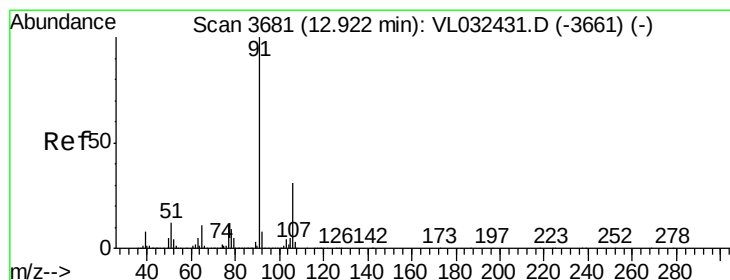
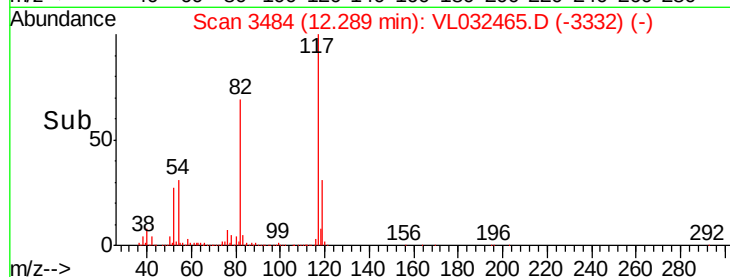
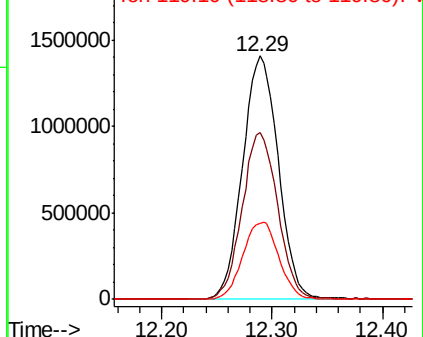
119 32.4 45.9 68.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.454 ppbv

RT: 12.92 min Scan# 3679

Delta R.T. -0.01 min

Lab File: VL032465.D

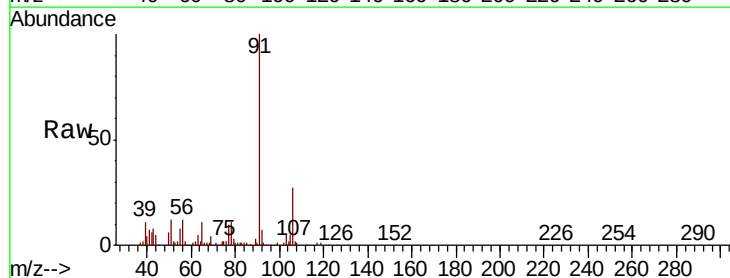
Acq: 5 Sep 2018 20:10

Tgt Ion: 91 Resp: 171596

Ion Ratio Lower Upper

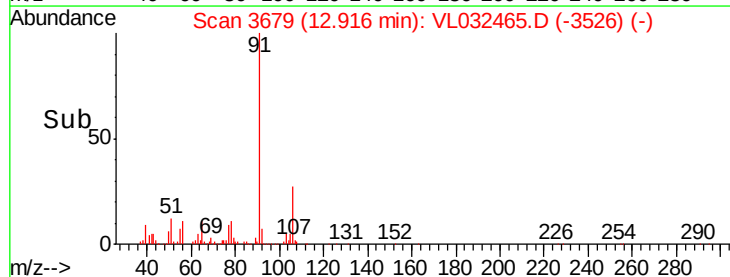
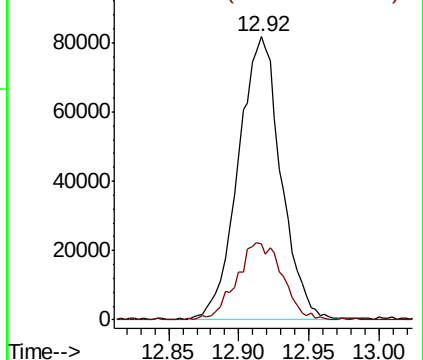
91 100

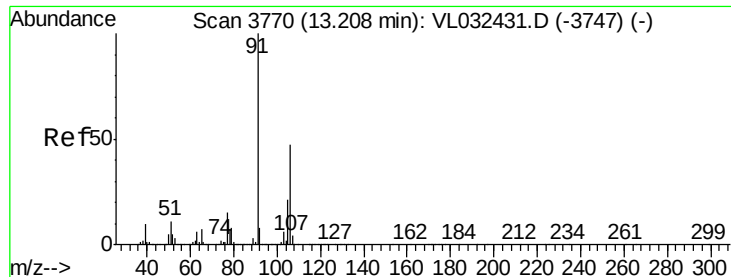
106 26.8 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

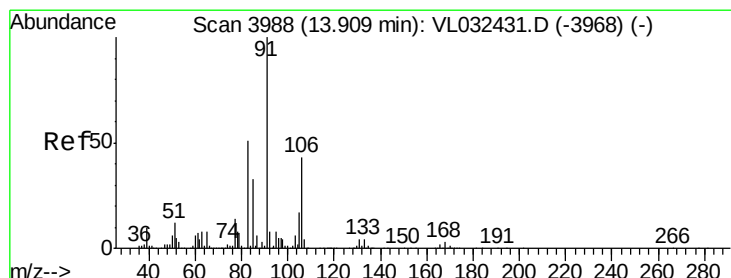
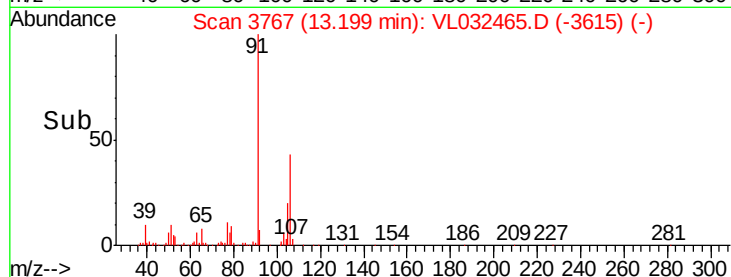
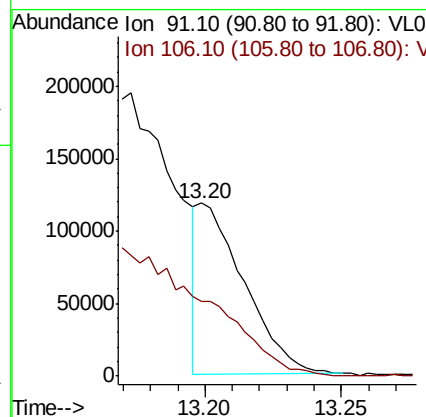
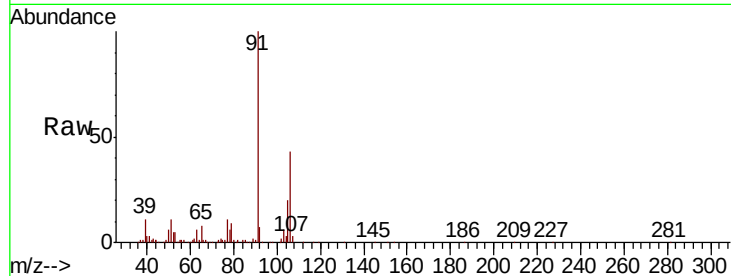




#59
m/p-Xylene
Concen: 0.408 ppbv
RT: 13.20 min Scan# 3767
Delta R.T. -0.01 min
Lab File: VL032465.D
Acq: 5 Sep 2018 20:10

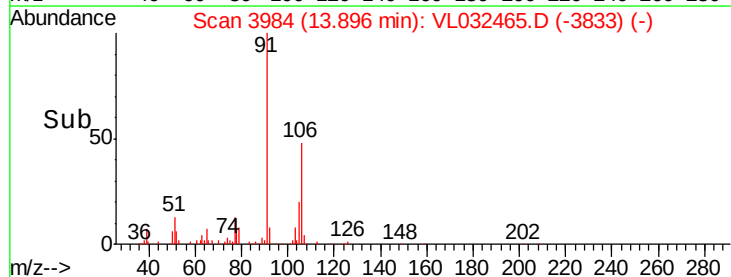
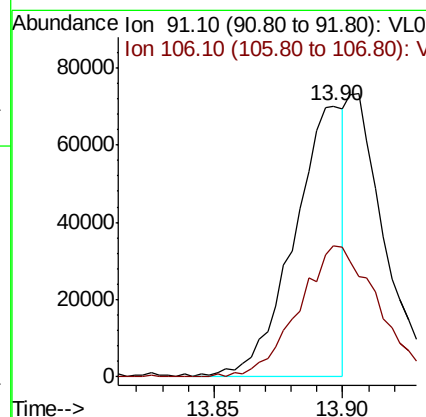
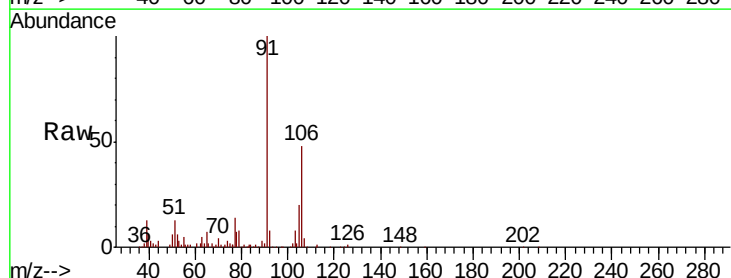
Instrument :
MSVOA_L
ClientSampleId :
VP-03DL

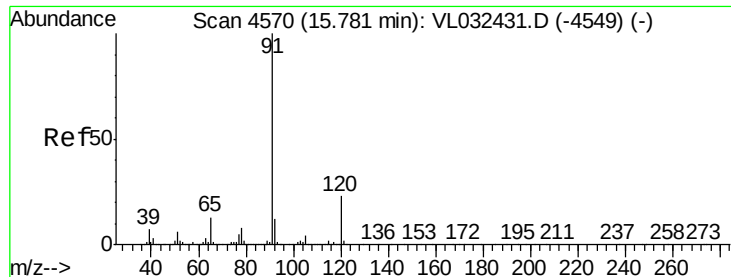
Tgt Ion: 91 Resp: 137535
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



#60
o-Xylene
Concen: 0.281 ppbv
RT: 13.90 min Scan# 3984
Delta R.T. -0.01 min
Lab File: VL032465.D
Acq: 5 Sep 2018 20:10

Tgt Ion: 91 Resp: 93053
Ion Ratio Lower Upper
91 100
106 77.4 21.9 65.7#





#64

n-propylbenzene

Concen: 0.115 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. -0.01 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

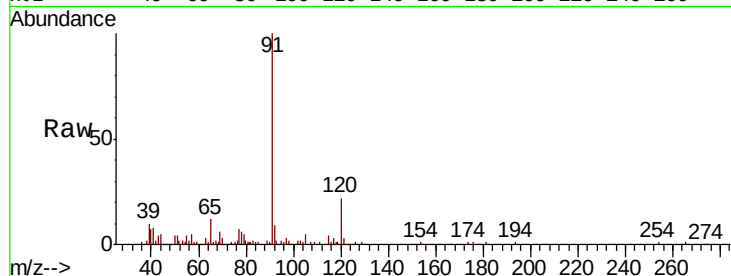
VP-03DL

Tgt Ion:120 Resp: 13953

Ion Ratio Lower Upper

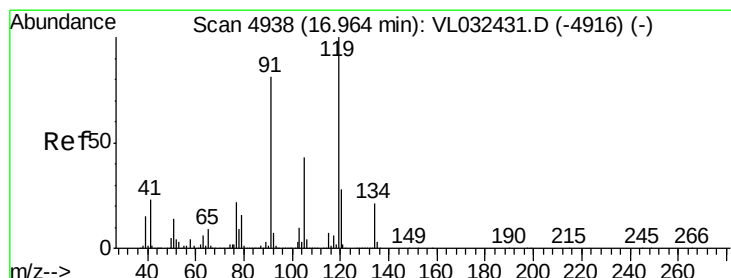
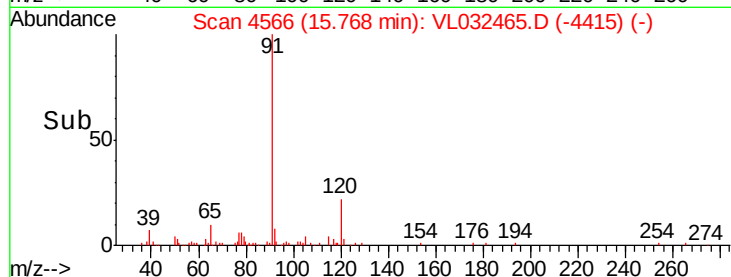
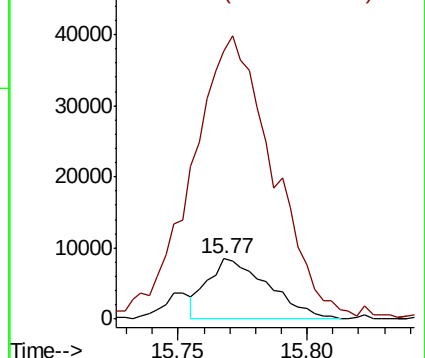
120 100

91 616.8 381.8 572.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.082 ppbv

RT: 16.97 min Scan# 4941

Delta R.T. 0.01 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

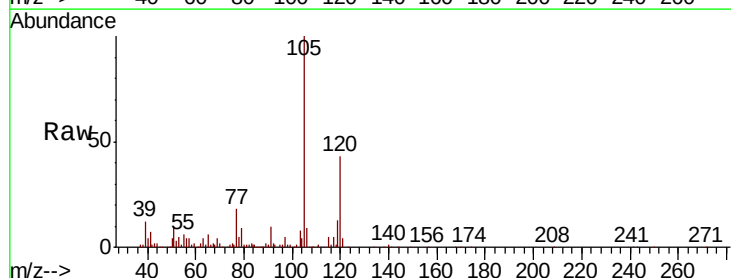
Tgt Ion:119 Resp: 32793

Ion Ratio Lower Upper

119 100

91 107.8 66.5 99.7#

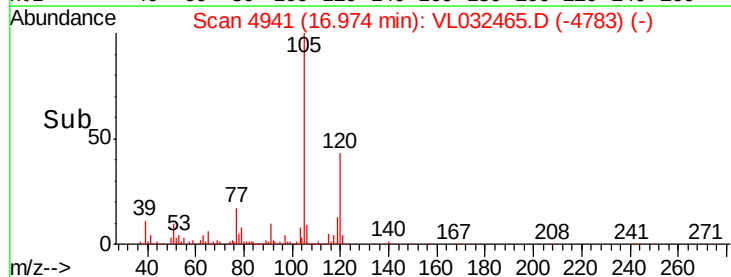
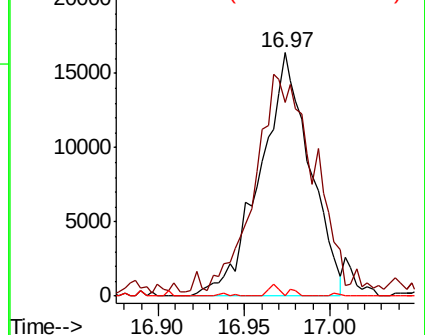
134 0.0 16.0 24.0#

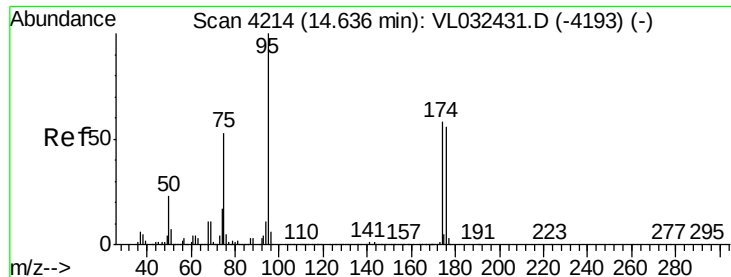


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

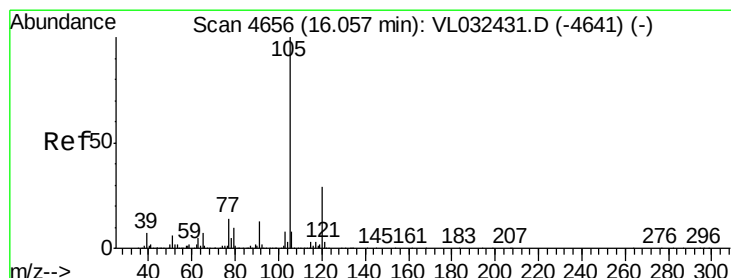
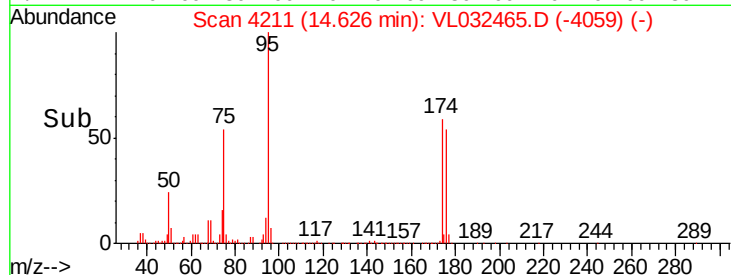
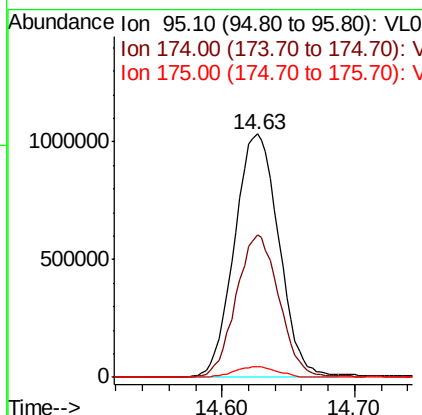
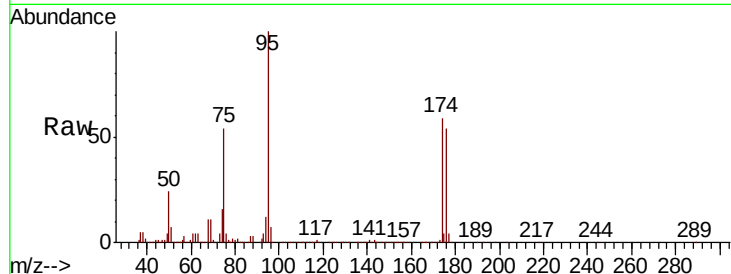




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.261 ppbv
 RT: 14.63 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

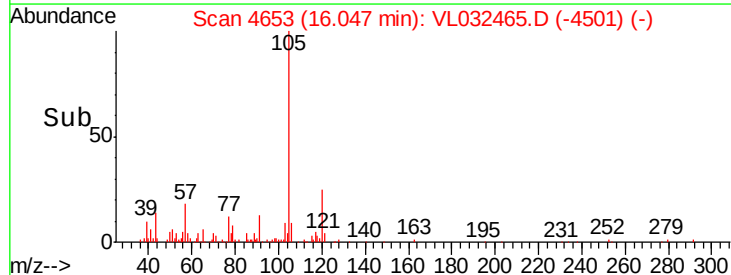
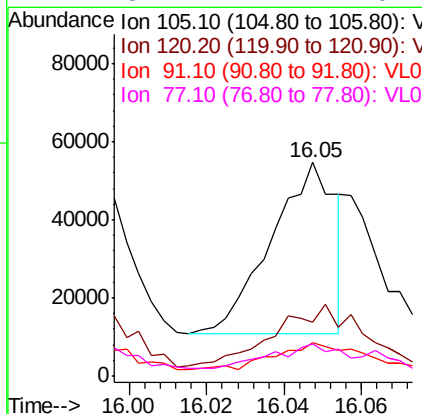
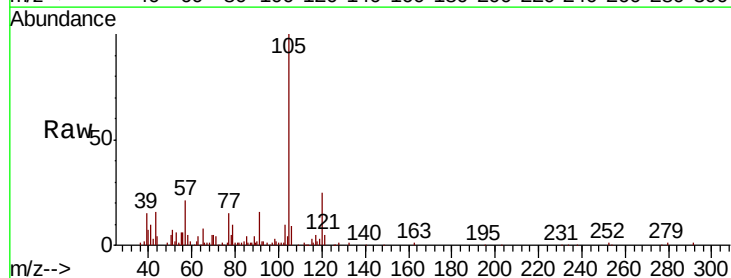
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

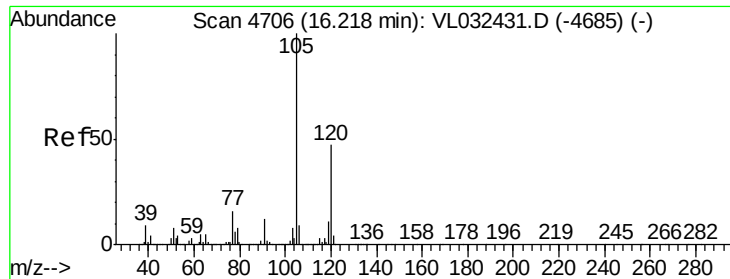
Tgt Ion: 95 Resp: 2404478
 Ion Ratio Lower Upper
 95 100
 174 57.7 46.3 69.5
 175 4.3 3.4 5.0



#72
 4-Ethyltoluene
 Concen: 0.141 ppbv
 RT: 16.05 min Scan# 4653
 Delta R.T. -0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion: 105 Resp: 51055
 Ion Ratio Lower Upper
 105 100
 120 68.1 23.5 35.3#
 91 30.2 10.2 15.2#
 77 34.7 11.1 16.7#

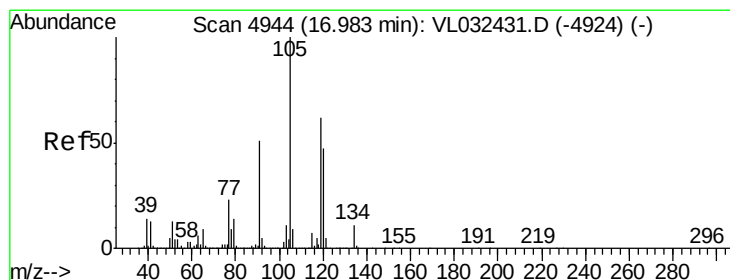
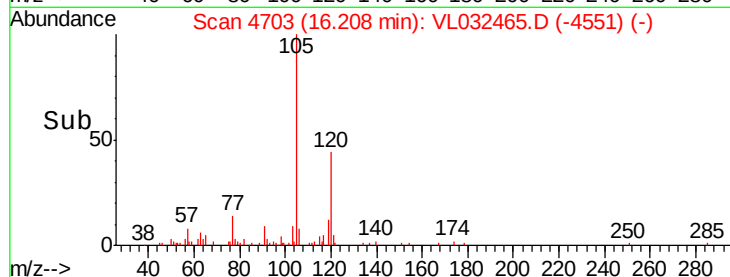
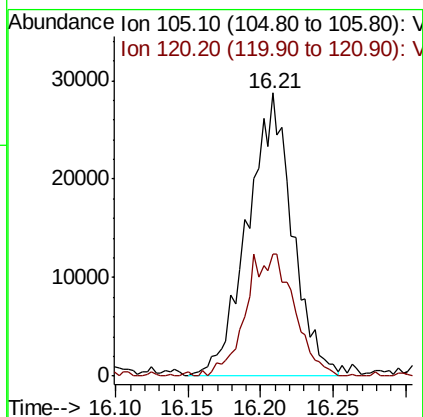
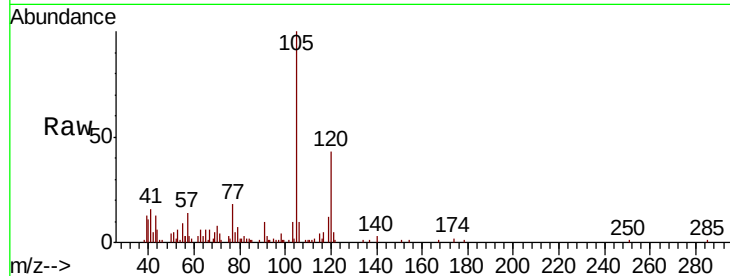




#73
 1,3,5-Trimethylbenzene
 Concen: 0.170 ppbv
 RT: 16.21 min Scan# 4703
 Delta R.T. -0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

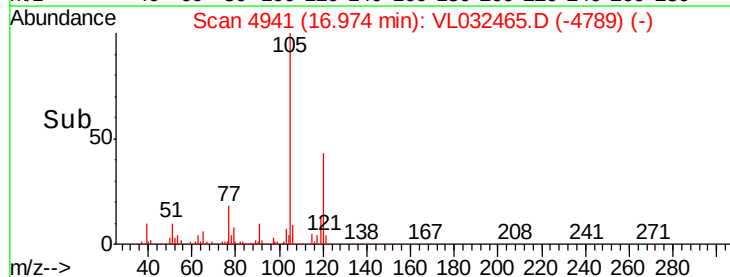
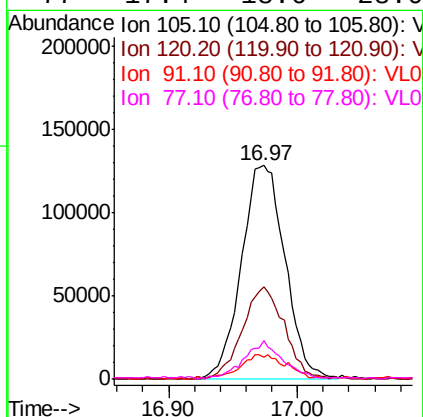
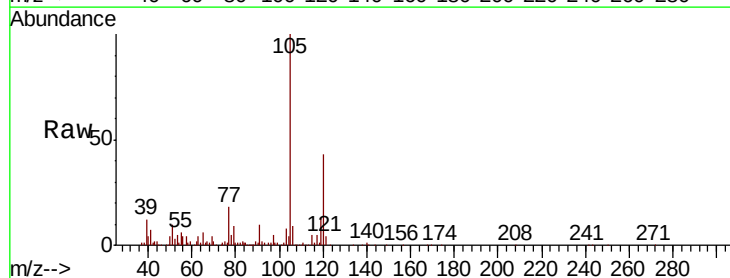
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-03DL

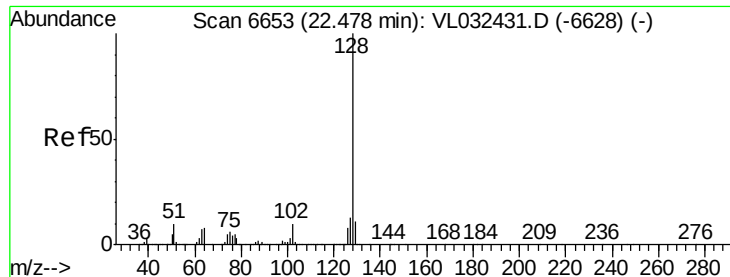
Tgt Ion:105 Resp: 61462
 Ion Ratio Lower Upper
 105 100
 120 43.2 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 0.761 ppbv
 RT: 16.97 min Scan# 4941
 Delta R.T. -0.01 min
 Lab File: VL032465.D
 Acq: 5 Sep 2018 20:10

Tgt Ion:105 Resp: 301214
 Ion Ratio Lower Upper
 105 100
 120 43.3 37.8 56.8
 91 9.9 41.4 62.0#
 77 17.4 18.6 28.0#





#79

Naphthalene

Concen: 0.042 ppbv

RT: 22.46 min Scan# 6648

Delta R.T. -0.02 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

Instrument :

MSVOA_L

ClientSampleId :

VP-03DL

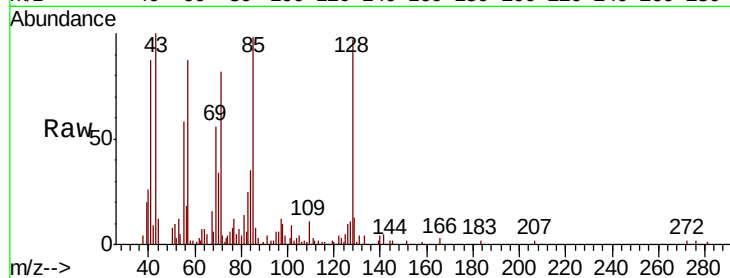
Tgt Ion:128 Resp: 13386

Ion Ratio Lower Upper

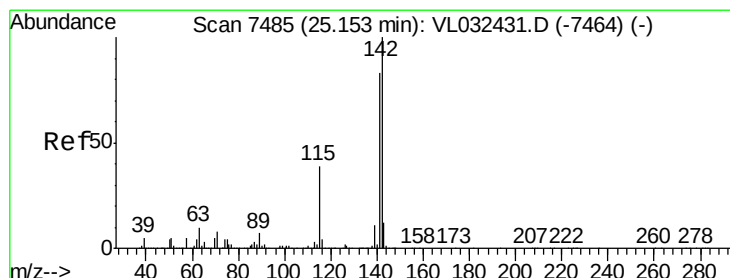
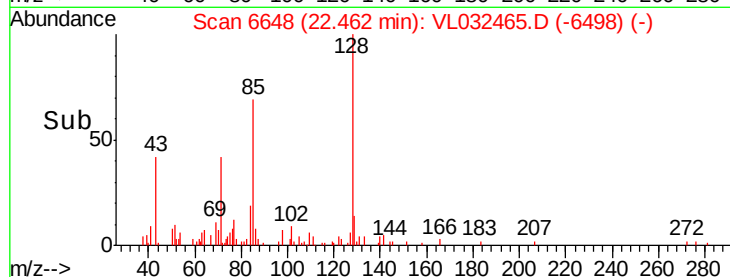
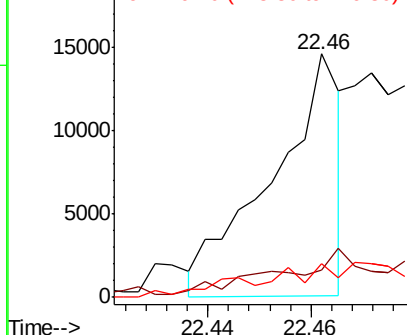
128 100

127 9.6 10.2 15.2#

129 12.5 8.5 12.7



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: 0.076 ppbv

RT: 25.14 min Scan# 7481

Delta R.T. -0.01 min

Lab File: VL032465.D

Acq: 5 Sep 2018 20:10

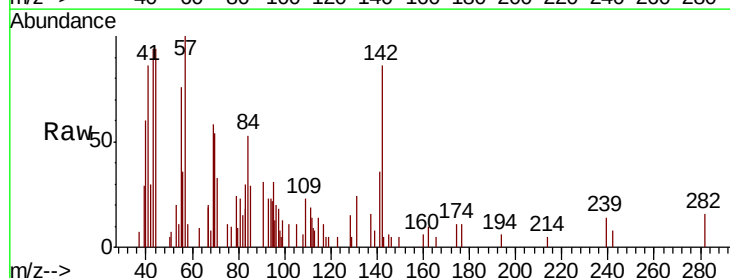
Tgt Ion:142 Resp: 6473

Ion Ratio Lower Upper

142 100

141 75.9 67.0 100.6

115 58.2 31.3 46.9#



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

