

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032472.D
 Acq On : 6 Sep 2018 1:51
 Operator : SY/AP
 Sample : J4805-01 4X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

Quant Time: Sep 06 05:02:39 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	1511458	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3103413	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3100157	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3989681	17.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	173.30%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	15715	0.081	ppbv	92
3) Chlorodifluoromethane	3.04	51	21018	0.154	ppbv #	92
4) Chloromethane	3.20	50	11101	0.134	ppbv	95
7) Chloroethane	3.63	64	1665	0.059	ppbv #	65
9) Propene	3.06	41	650111	11.779	ppbv	89
10) Heptane	8.30	43	1977661	9.988	ppbv	98
11) Trichlorofluoromethane	4.04	101	13175	0.076	ppbv	90
13) Ethanol	3.68	45	304883	17.722	ppbv	98
15) Acetone	3.93	43	954920	7.016	ppbv #	53
16) 1,3-Butadiene	3.37	39	454072	7.090	ppbv #	16
17) tert-Butyl alcohol	4.40	59	110851	5.292	ppbv #	100
19) Isopropyl Alcohol	4.06	45	26850	0.301	ppbv #	1
20) Methylene Chloride	4.44	84	21024	0.405	ppbv	99
21) Allyl Chloride	4.40	41	28157	0.311	ppbv #	42
23) Vinyl Acetate	5.18	43	748365	3.317	ppbv #	26
25) Ethyl Acetate	5.82	43	2237711	6.962	ppbv #	76
26) Hexane	5.82	57	3130310	21.750	ppbv #	45
27) Carbon Disulfide	4.66	76	64208	0.483	ppbv	99
28) Methyl tert-Butyl Ether	5.29	73	8804	0.050	ppbv #	1
29) Chloroform	5.89	83	295866	1.348	ppbv	98
30) Cyclohexane	7.29	84	12998	0.123	ppbv #	1
32) 1,1,1-Trichloroethane	6.67	97	21635	0.106	ppbv	93
34) 2-Butanone	5.36	43	3244073	15.737	ppbv	100
36) Benzene	7.05	78	377242	1.428	ppbv	96
38) Trichloroethene	8.01	130	341928	3.408	ppbv	93
39) 1,2-Dichloropropane	7.34	63	823062	7.284	ppbv #	27
41) Tetrahydrofuran	6.20	42	15565	0.139	ppbv #	1
42) Bromodichloromethane	7.96	83	16131	0.072	ppbv #	32
44) 2,2,4-Trimethylpentane	8.04	57	78313	0.153	ppbv #	1
50) 4-Methyl-2-Pentanone	8.94	43	68330	0.220	ppbv #	33
51) 2-Hexanone	10.31	43	828241	4.141	ppbv #	81
52) Tetrachloroethene	11.42	164	6037	0.074	ppbv #	51
53) Toluene	10.00	91	451781	1.637	ppbv	99
57) Chlorobenzene	12.35	112	226591	0.915	ppbv #	35
58) Ethyl Benzene	12.92	91	69592	0.188	ppbv	95
59) m/p-Xylene	13.21	91	49711	0.150	ppbv #	31
63) 1,1,2,2-Tetrachloroethane	13.88	83	44301	0.153	ppbv #	81
65) tert-Butylbenzene	16.96	119	21914	0.056	ppbv #	9
66) Benzyl Chloride	17.20	91	6785	0.031	ppbv #	66
67) sec-Butylbenzene	17.51	105	54314	0.092	ppbv #	59
74) 1,2,4-Trimethylbenzene	16.98	105	56326	0.145	ppbv #	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
Data File : VL032472.D
Acq On : 6 Sep 2018 1:51
Operator : SY/AP
Sample : J4805-01 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-1

Quant Time: Sep 06 05:02:39 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

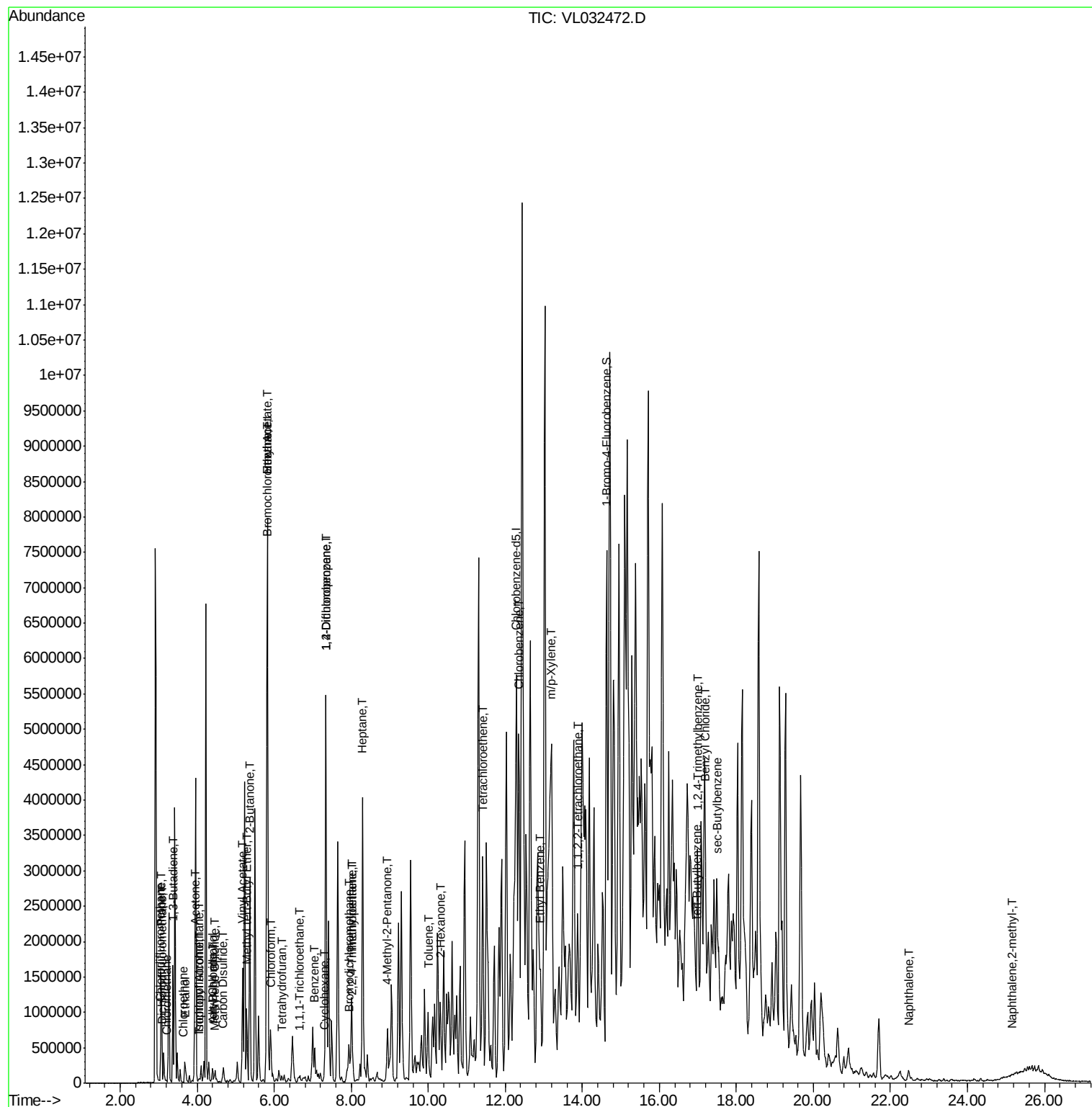
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.47	128	76439	0.242	ppbv #	94
80) Naphthalene,2-methyl-	25.15	142	12788	0.152	ppbv	94

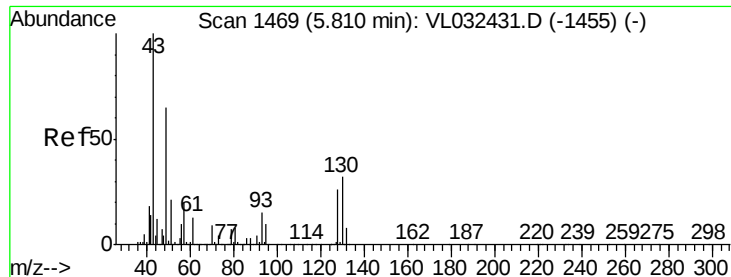
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
Data File : VL032472.D
Acq On : 6 Sep 2018 1:51
Operator : SY/AP
Sample : J4805-01 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-1

Quant Time: Sep 06 05:02:39 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampled :

VP-1

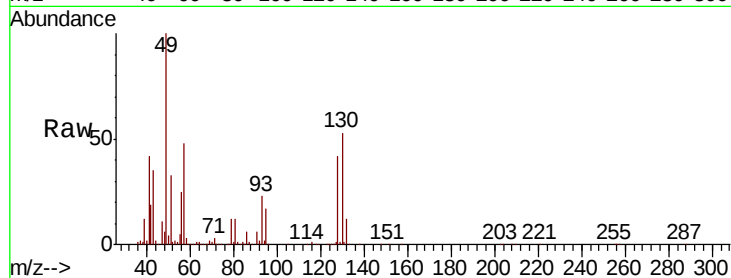
Tgt Ion: 49 Resp: 1511458

Ion Ratio Lower Upper

49 100

128 41.8 20.7 62.1

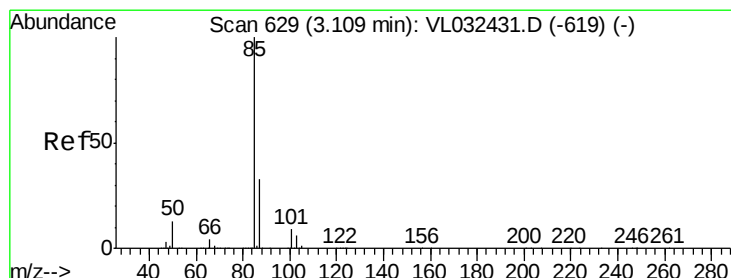
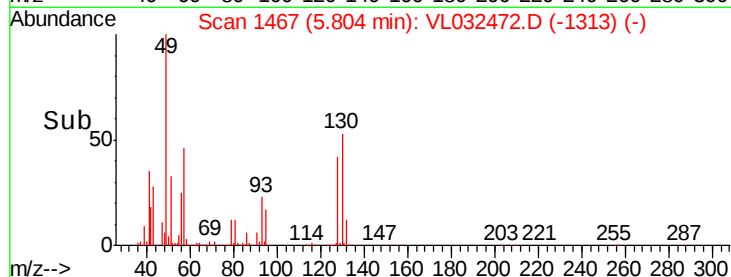
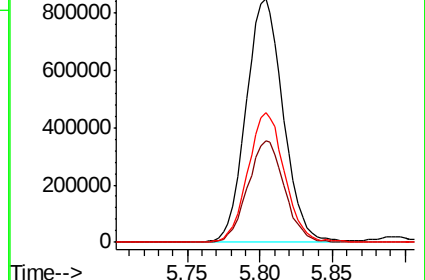
130 52.9 26.6 79.7



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: 0.081 ppbv

RT: 3.10 min Scan# 627

Delta R.T. -0.01 min

Lab File: VL032472.D

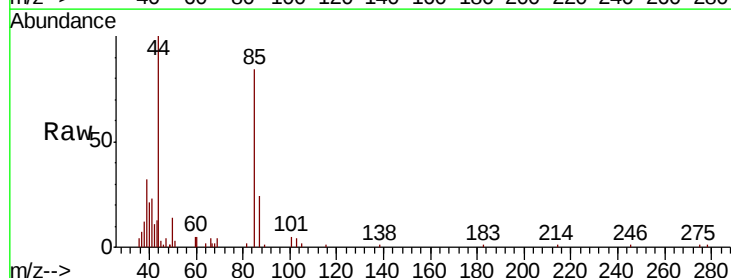
Acq: 6 Sep 2018 1:51

Tgt Ion: 85 Resp: 15715

Ion Ratio Lower Upper

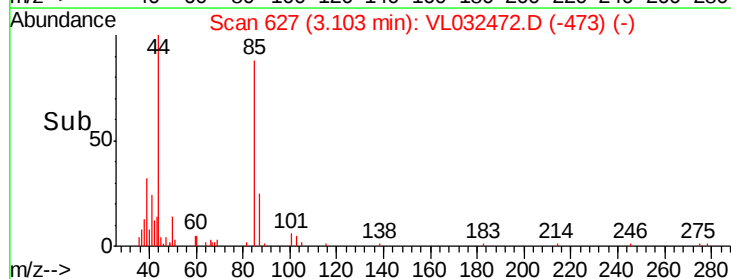
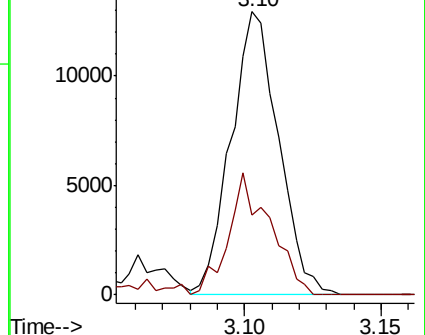
85 100

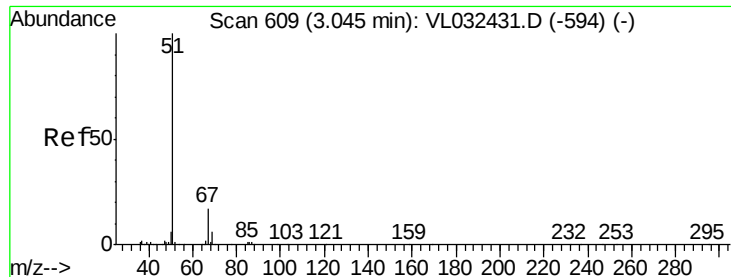
87 28.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.154 ppbv

RT: 3.04 min Scan# 608

Delta R.T. -0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

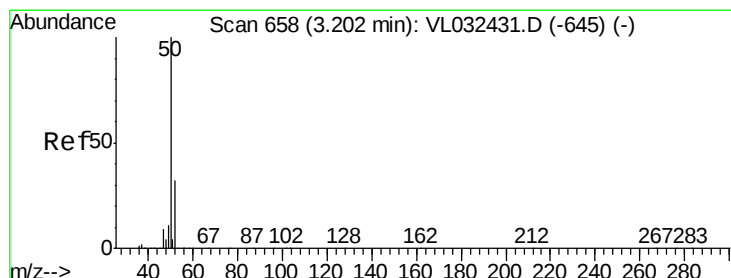
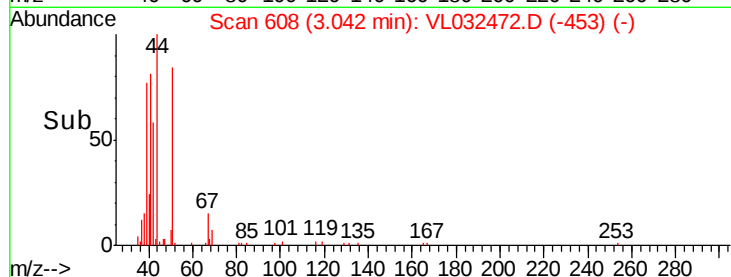
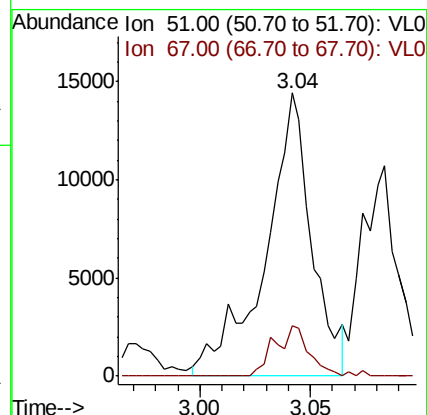
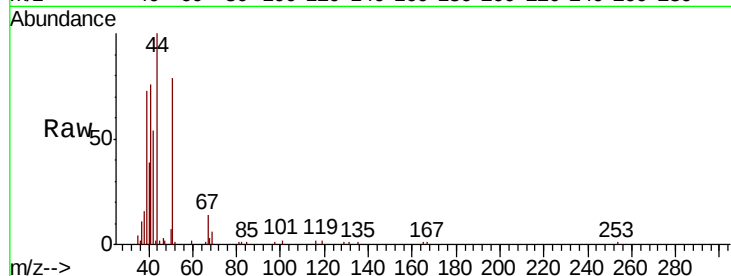
VP-1

Tgt Ion: 51 Resp: 21018

Ion Ratio Lower Upper

51 100

67 13.6 13.8 20.8#



#4

Chloromethane

Concen: 0.134 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032472.D

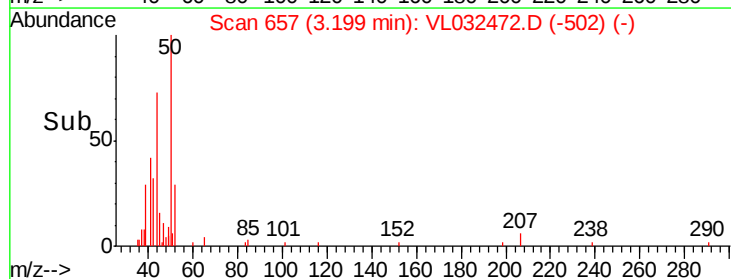
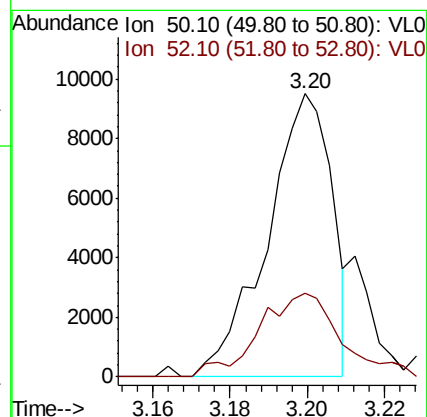
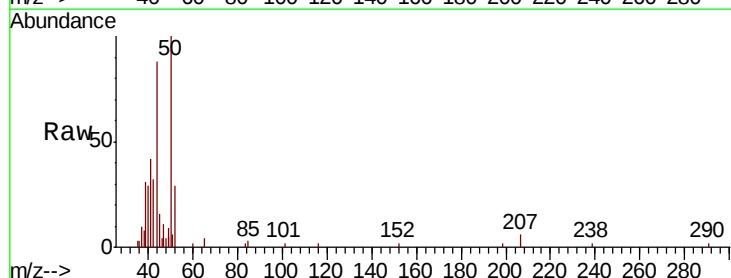
Acq: 6 Sep 2018 1:51

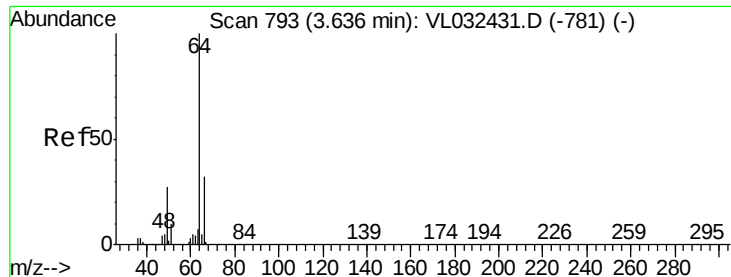
Tgt Ion: 50 Resp: 11101

Ion Ratio Lower Upper

50 100

52 29.5 25.6 38.4





#7

Chloroethane

Concen: 0.059 ppbv

RT: 3.63 min Scan# 792

Delta R.T. -0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

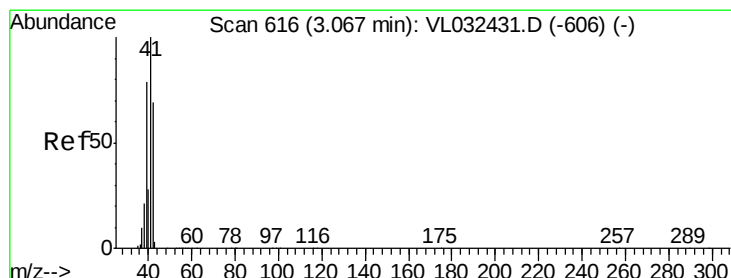
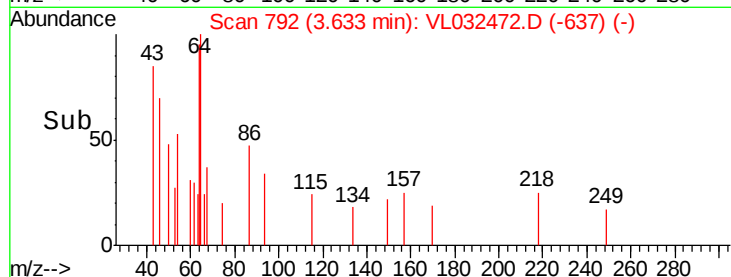
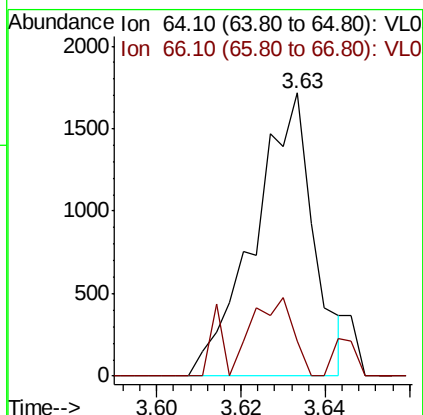
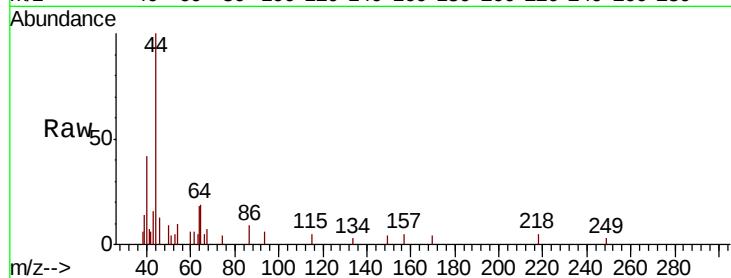
VP-1

Tgt Ion: 64 Resp: 1665

Ion Ratio Lower Upper

64 100

66 12.5 25.8 38.6#



#9

Propene

Concen: 11.779 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032472.D

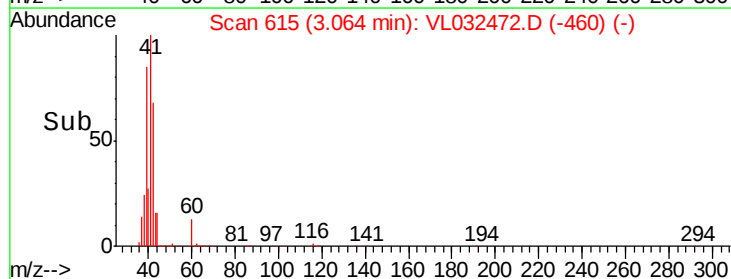
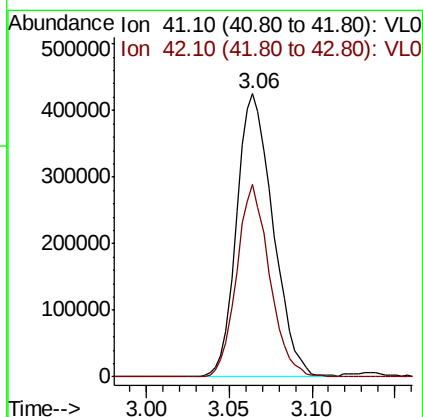
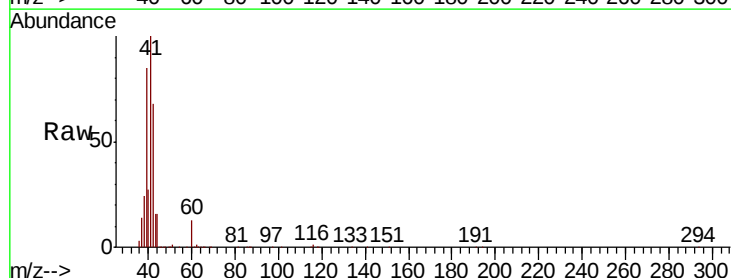
Acq: 6 Sep 2018 1:51

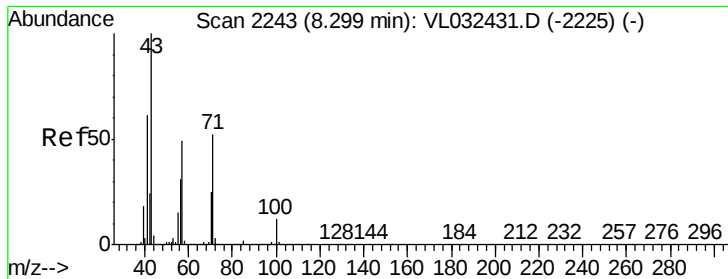
Tgt Ion: 41 Resp: 650111

Ion Ratio Lower Upper

41 100

42 61.7 56.6 84.8

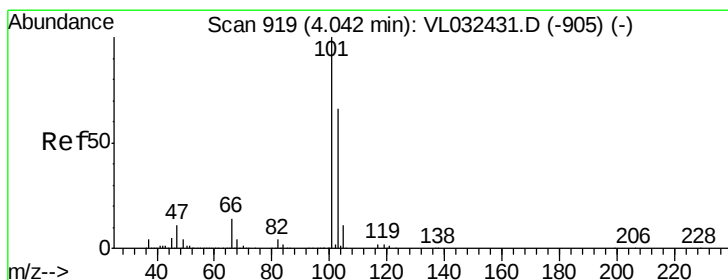
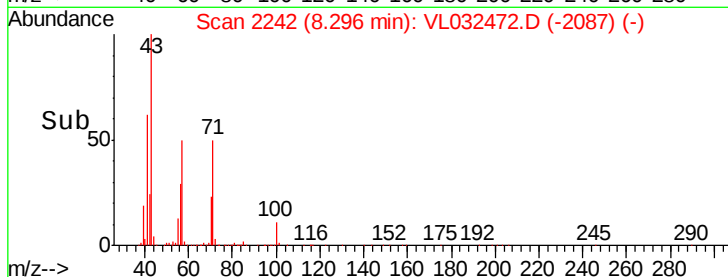
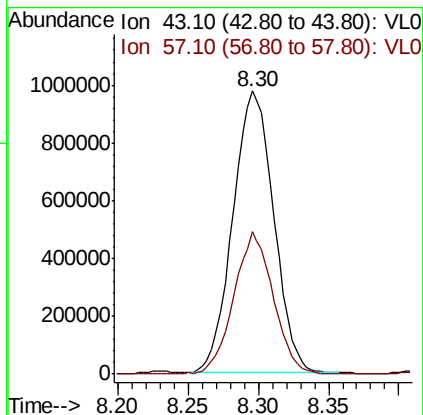
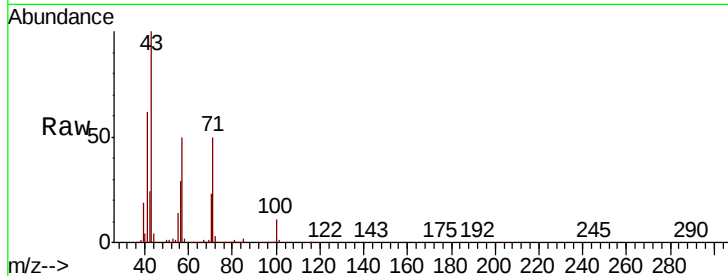




#10
 Heptane
 Concen: 9.988 ppbv
 RT: 8.30 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VL032472.D
 Acq: 6 Sep 2018 1:51

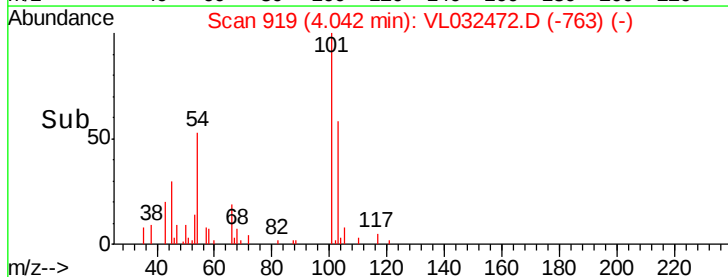
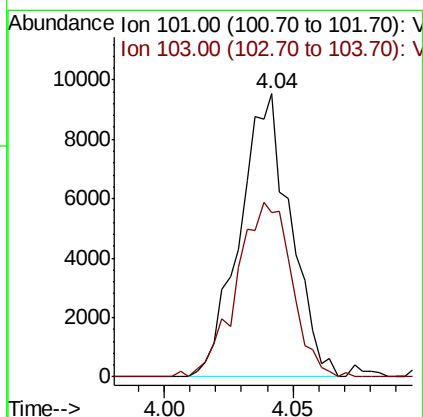
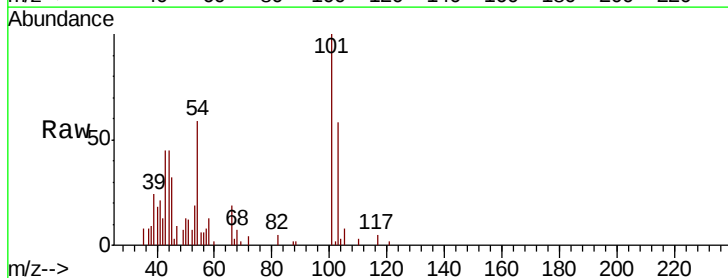
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

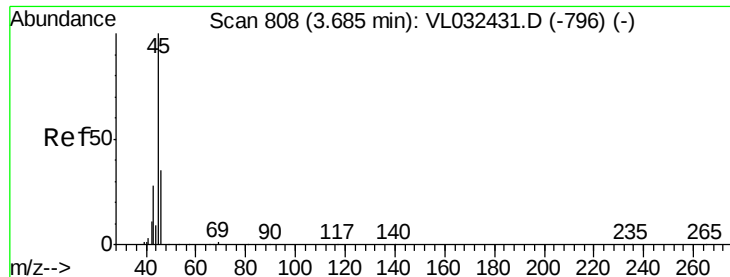
Tgt Ion: 43 Resp: 1977661
 Ion Ratio Lower Upper
 43 100
 57 48.4 39.6 59.4



#11
 Trichlorofluoromethane
 Concen: 0.076 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032472.D
 Acq: 6 Sep 2018 1:51

Tgt Ion: 101 Resp: 13175
 Ion Ratio Lower Upper
 101 100
 103 58.1 52.8 79.2





#13

Ethanol

Concen: 17.722 ppbv

RT: 3.68 min Scan# 806

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

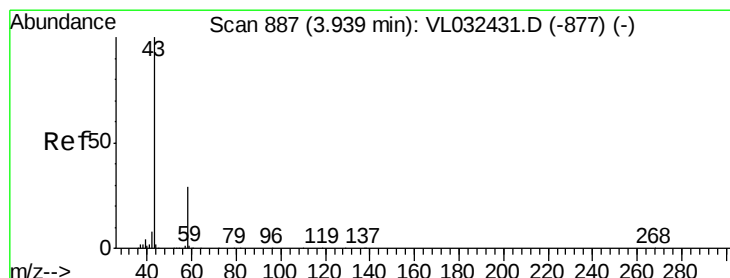
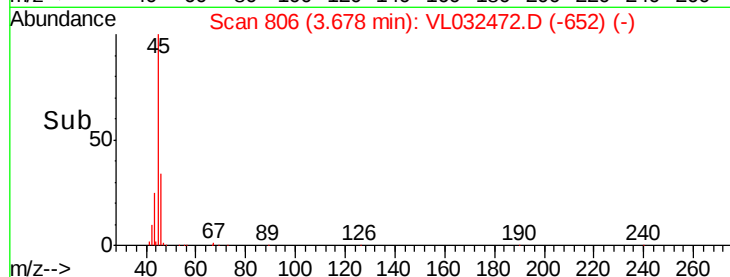
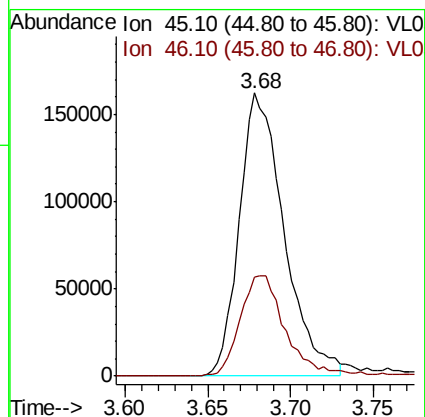
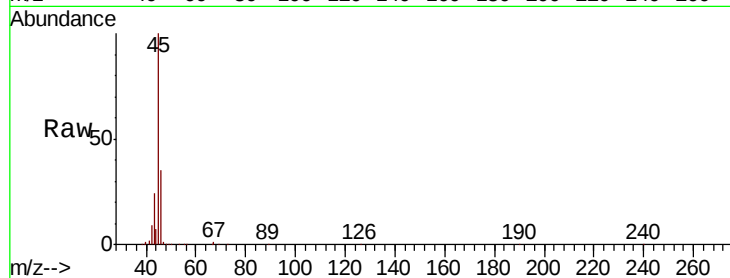
VP-1

Tgt Ion: 45 Resp: 304883

Ion Ratio Lower Upper

45 100

46 36.4 14.2 56.8



#15

Acetone

Concen: 7.016 ppbv

RT: 3.93 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032472.D

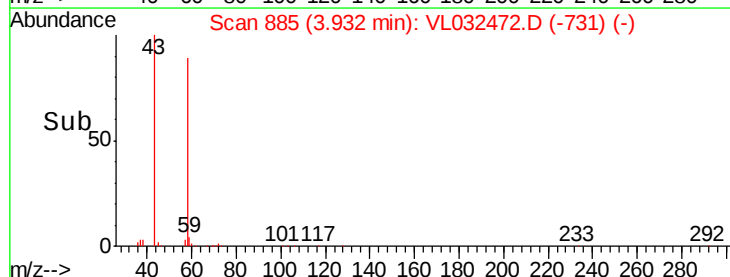
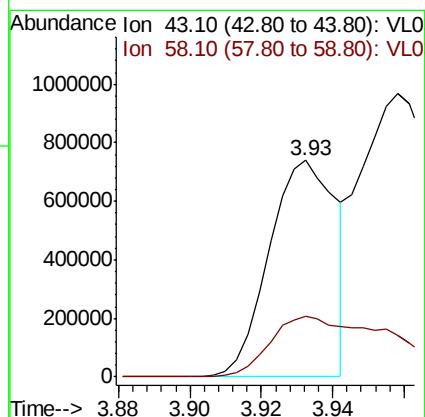
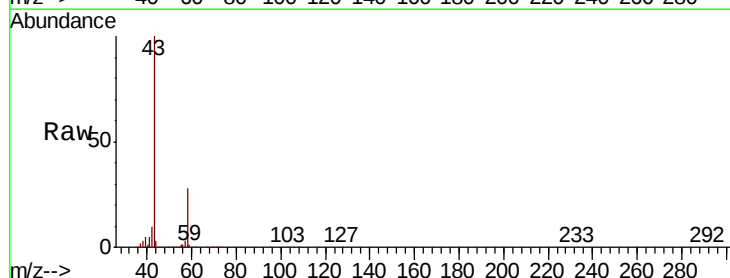
Acq: 6 Sep 2018 1:51

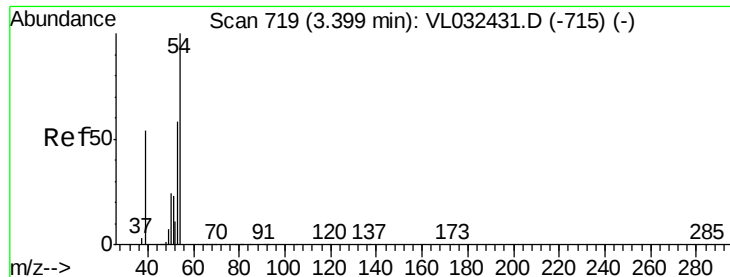
Tgt Ion: 43 Resp: 954920

Ion Ratio Lower Upper

43 100

58 52.7 22.6 33.8#

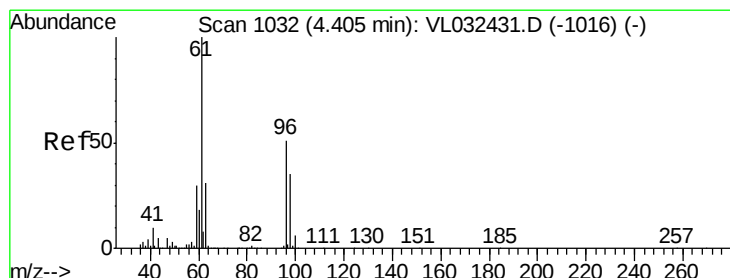
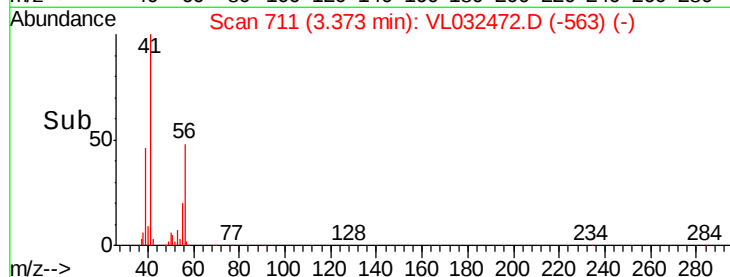
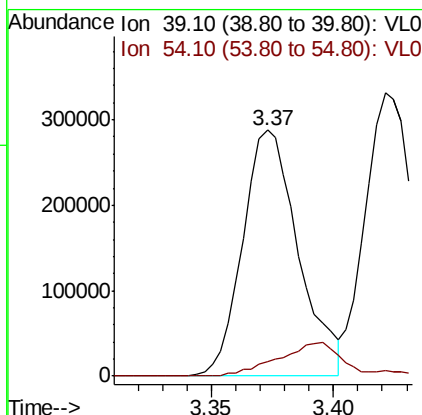
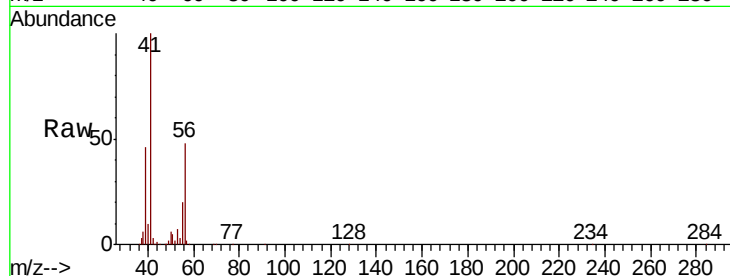




#16
 1,3-Butadiene
 Concen: 7.090 ppbv
 RT: 3.37 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: VL032472.D
 Acq: 6 Sep 2018 1:51

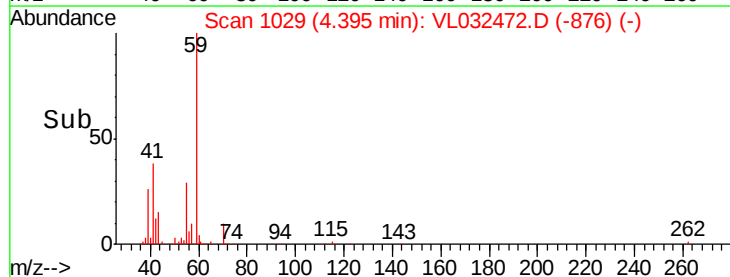
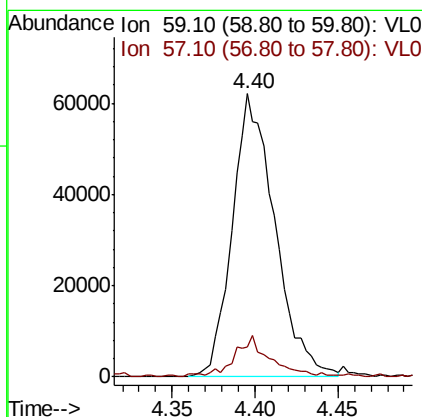
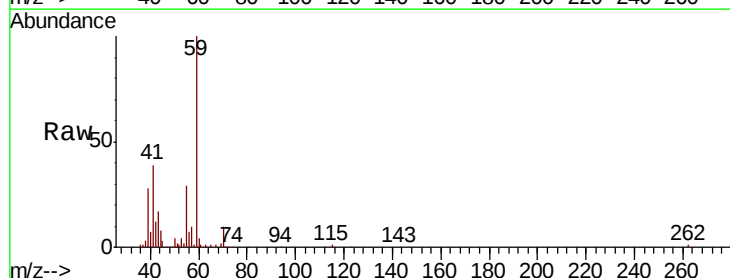
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

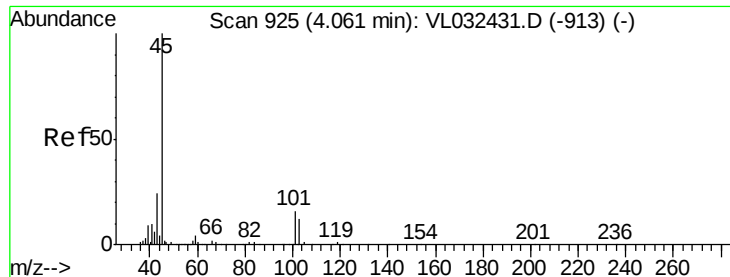
Tgt Ion: 39 Resp: 454072
 Ion Ratio Lower Upper
 39 100
 54 16.8 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 5.292 ppbv
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VL032472.D
 Acq: 6 Sep 2018 1:51

Tgt Ion: 59 Resp: 110851
 Ion Ratio Lower Upper
 59 100
 57 474.4 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 0.301 ppbv

RT: 4.06 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

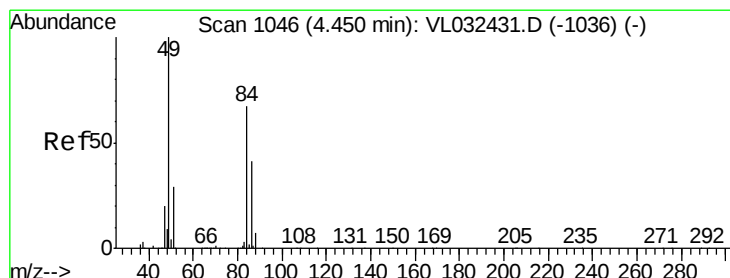
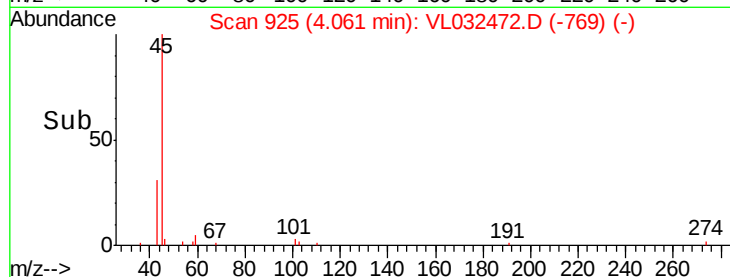
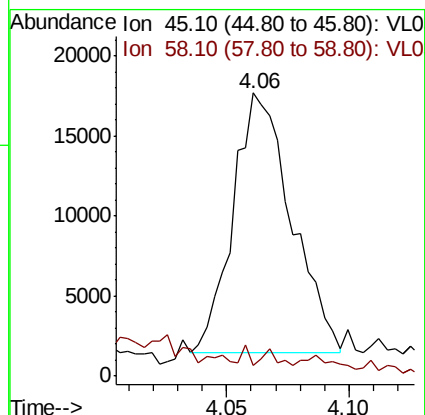
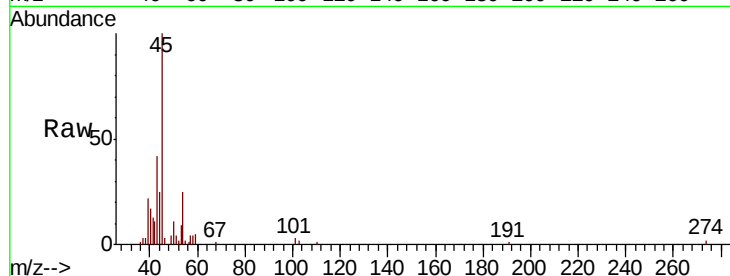
VP-1

Tgt Ion: 45 Resp: 26850

Ion Ratio Lower Upper

45 100

58 1869.7 2.0 3.0#



#20

Methylene Chloride

Concen: 0.405 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Tgt Ion: 84 Resp: 21024

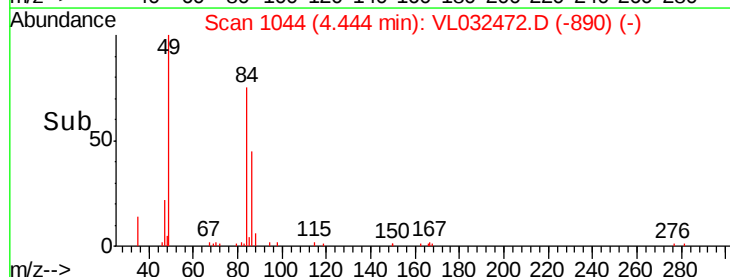
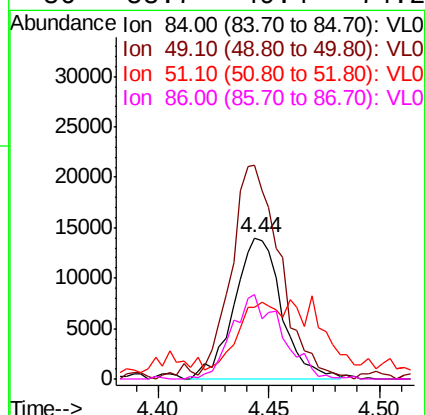
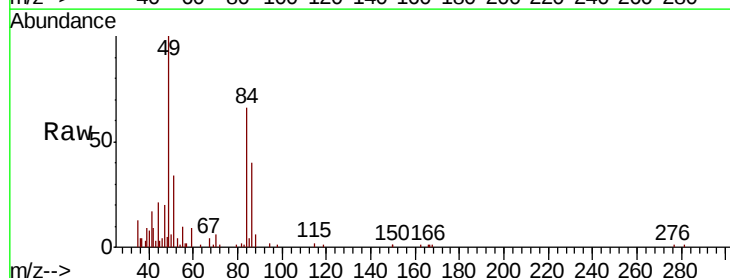
Ion Ratio Lower Upper

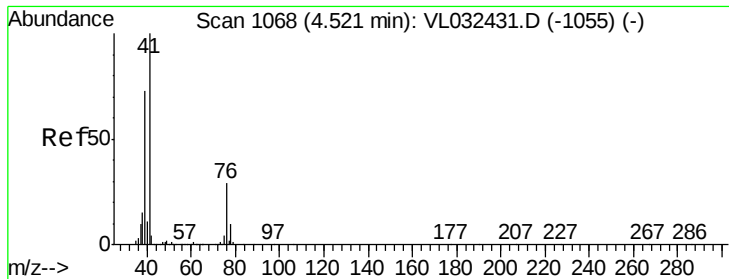
84 100

49 148.6 119.1 178.7

51 42.8 35.2 52.8

86 58.7 49.4 74.2

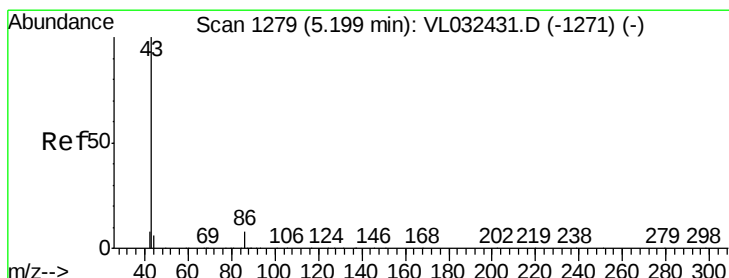
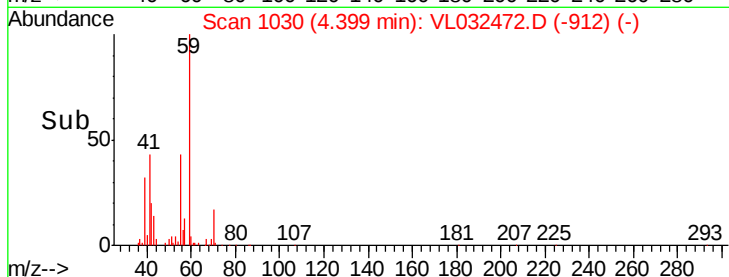
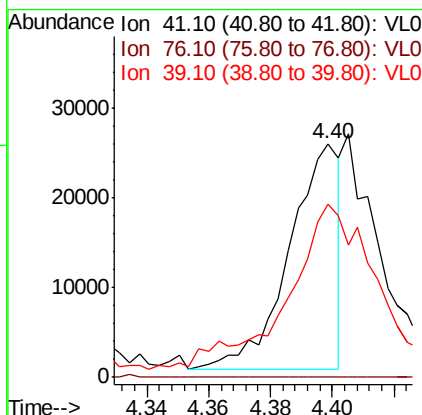
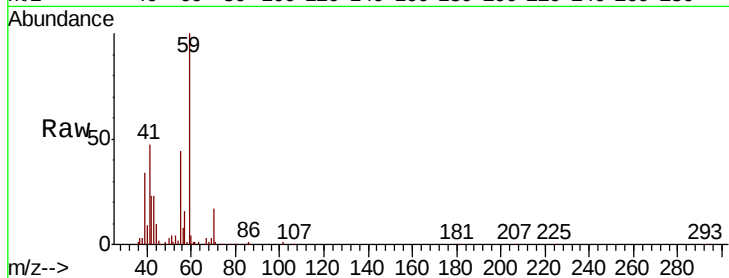




#21
 Allyl Chloride
 Concen: 0.311 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VL032472.D
 Acq: 6 Sep 2018 1:51

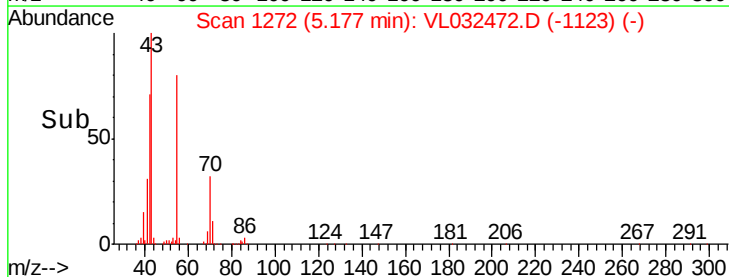
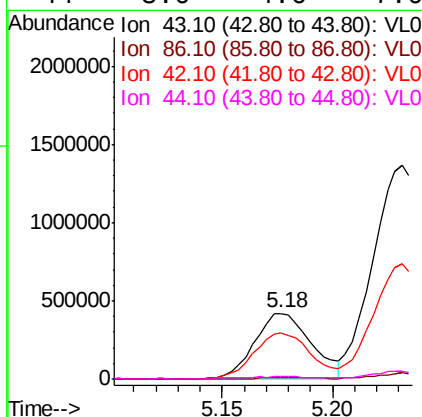
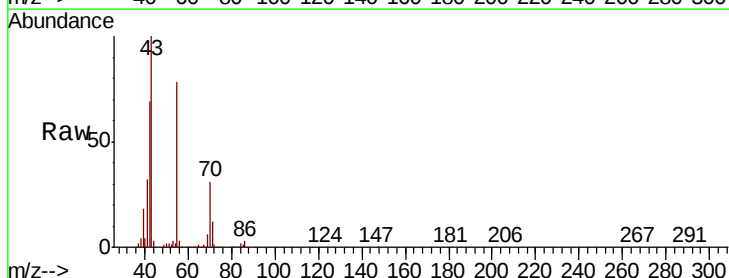
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

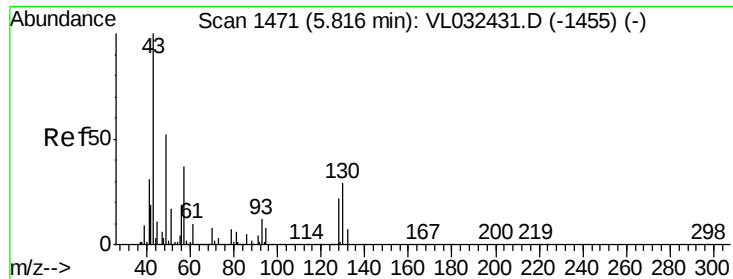
Tgt Ion: 41 Resp: 28157
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.6 35.4#
 39 121.4 57.7 86.5#



#23
 Vinyl Acetate
 Concen: 3.317 ppbv
 RT: 5.18 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: VL032472.D
 Acq: 6 Sep 2018 1:51

Tgt Ion: 43 Resp: 748365
 Ion Ratio Lower Upper
 43 100
 86 2.7 5.9 8.9#
 42 69.3 6.9 10.3#
 44 3.0 4.6 7.0#



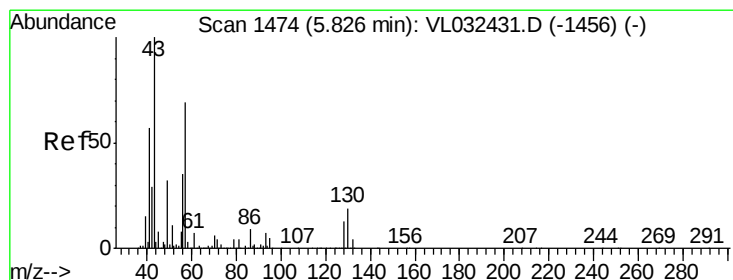
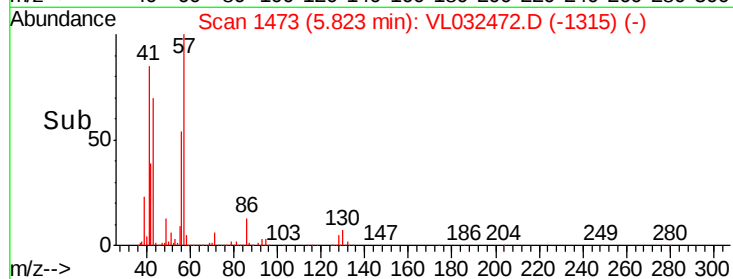
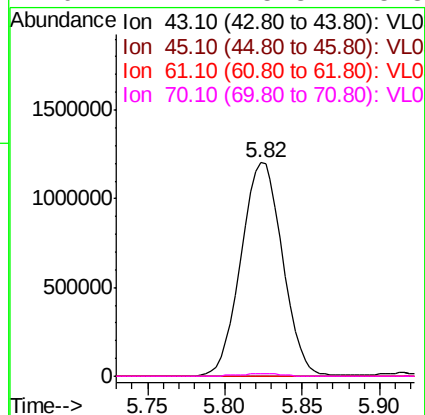
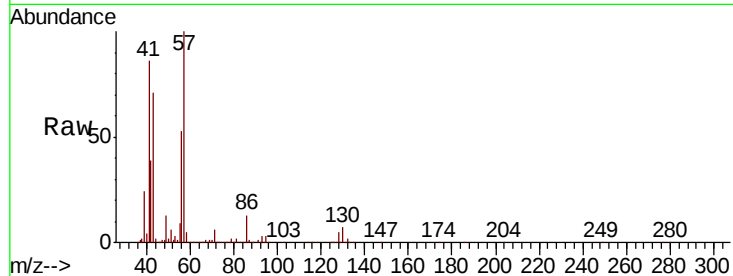


#25
Ethyl Acetate
Concen: 6.962 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.01 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

Instrument :
MSVOA_L
ClientSampleId :
VP-1

Tgt Ion: 43 Resp: 2237711

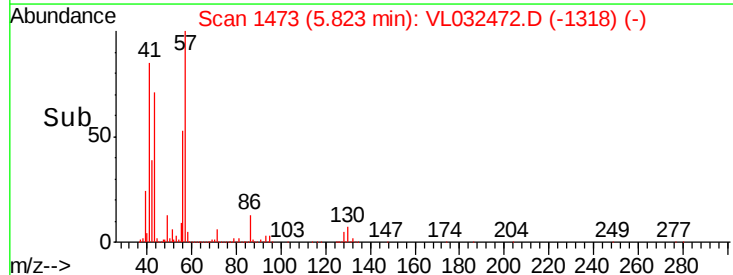
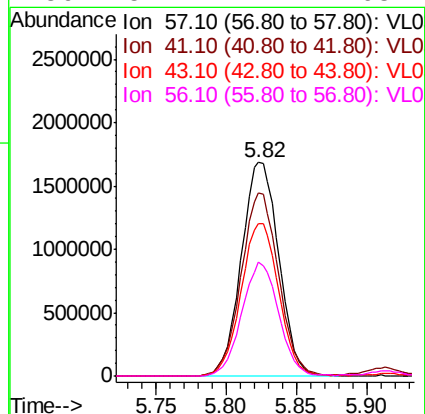
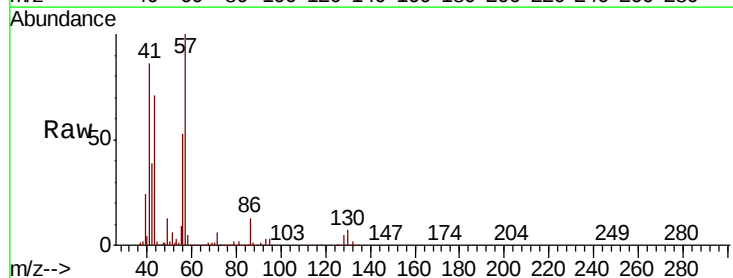
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.2	7.6	11.4#
70	1.4	5.8	8.8#

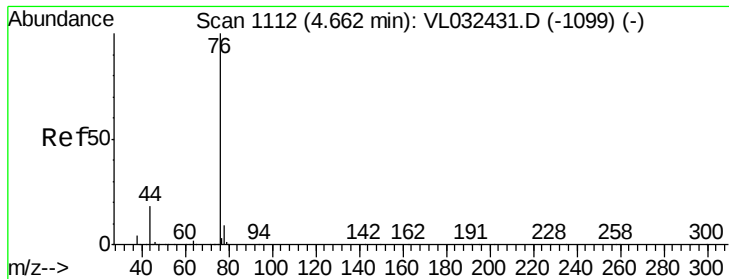


#26
Hexane
Concen: 21.750 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

Tgt Ion: 57 Resp: 3130310

Ion	Ratio	Lower	Upper
57	100		
41	86.1	69.0	103.4
43	71.7	172.1	258.1#
56	52.7	42.2	63.2





#27

Carbon Disulfide

Concen: 0.483 ppbv

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

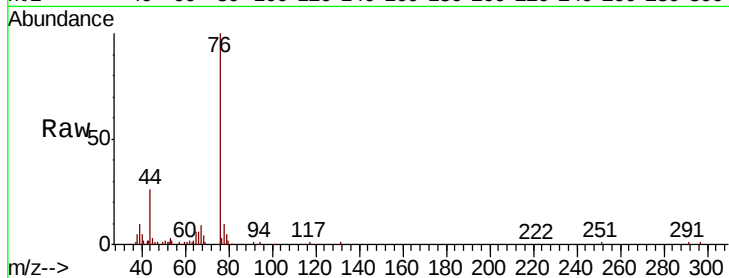
Tgt Ion: 76 Resp: 64208

Ion Ratio Lower Upper

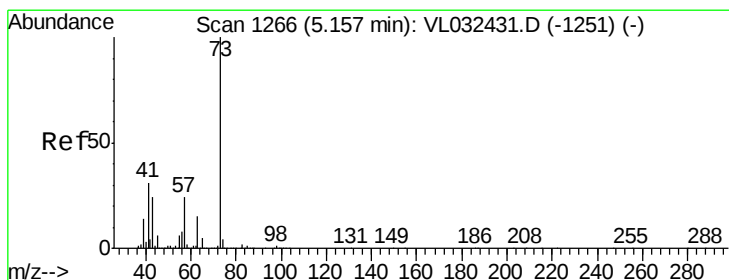
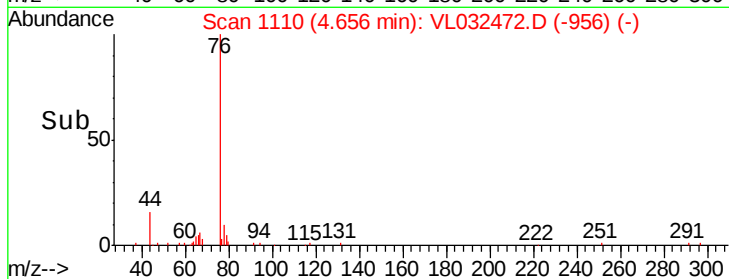
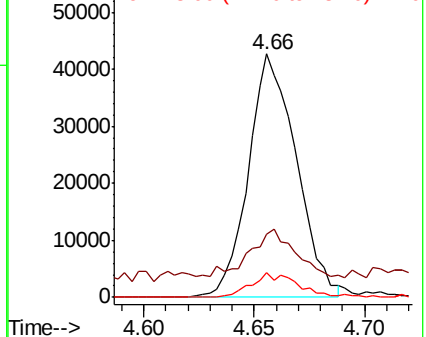
76 100

44 17.2 14.0 21.0

78 9.9 7.5 11.3



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: 0.050 ppbv

RT: 5.29 min Scan# 1307

Delta R.T. 0.13 min

Lab File: VL032472.D

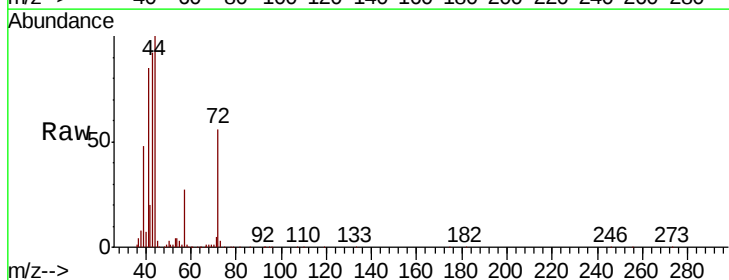
Acq: 6 Sep 2018 1:51

Tgt Ion: 73 Resp: 8804

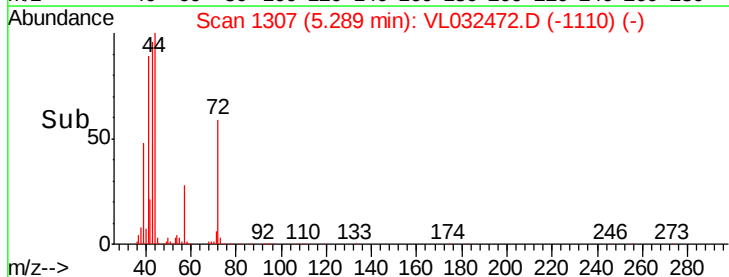
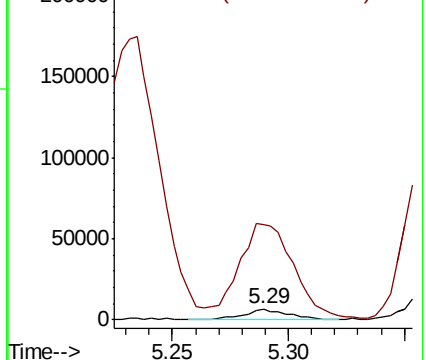
Ion Ratio Lower Upper

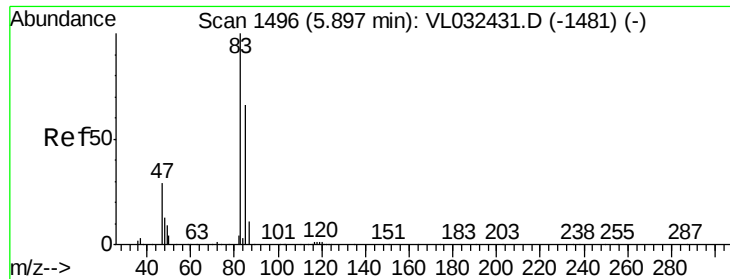
73 100

57 1091.7 19.3 28.9#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.348 ppbv

RT: 5.89 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

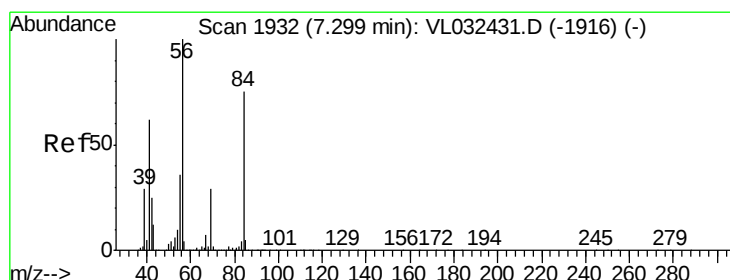
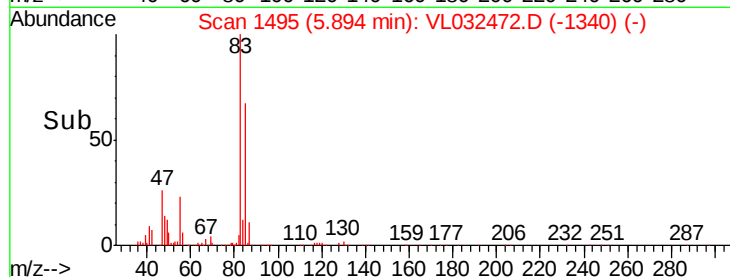
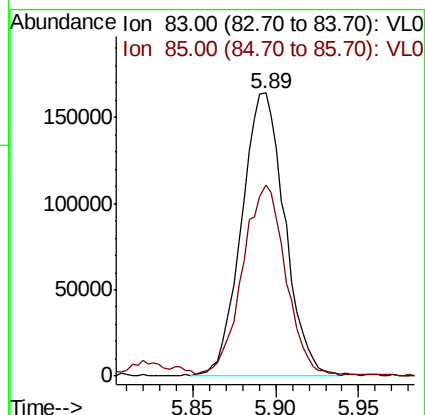
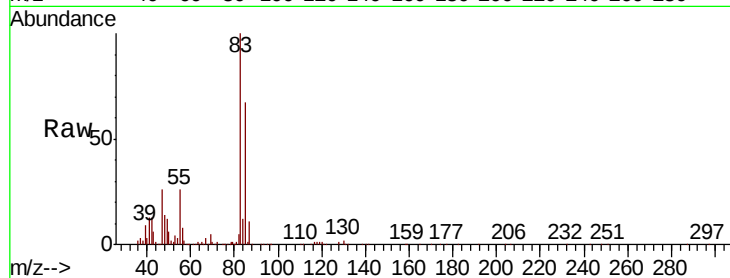
VP-1

Tgt Ion: 83 Resp: 295866

Ion Ratio Lower Upper

83 100

85 67.3 52.5 78.7



#30

Cyclohexane

Concen: 0.123 ppbv

RT: 7.29 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

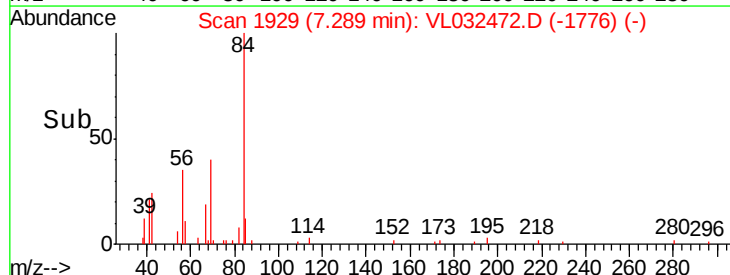
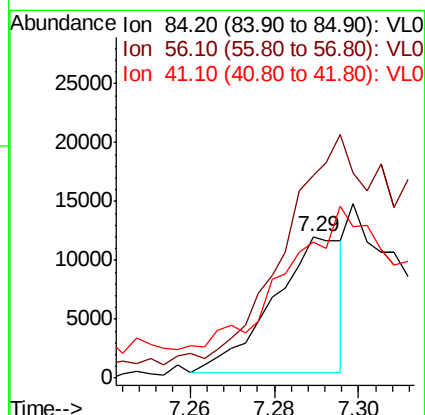
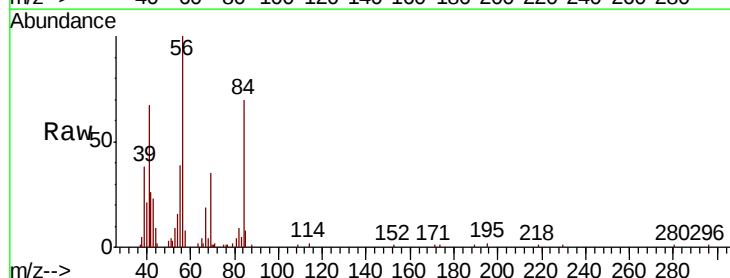
Tgt Ion: 84 Resp: 12998

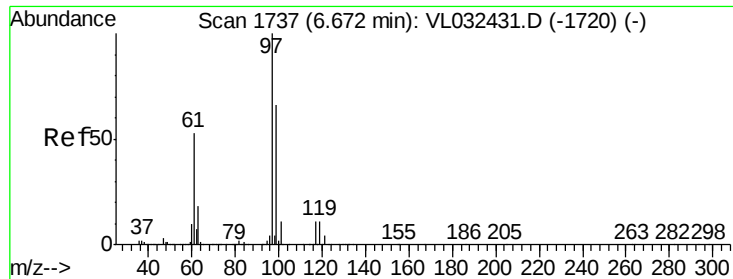
Ion Ratio Lower Upper

84 100

56 0.0 113.5 170.3#

41 0.0 68.1 102.1#





#32

1,1,1-Trichloroethane

Concen: 0.106 ppbv

RT: 6.67 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

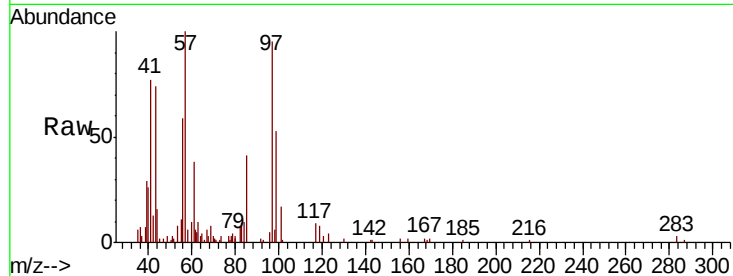
Tgt Ion: 97 Resp: 21635

Ion Ratio Lower Upper

97 100

99 71.0 52.1 78.1

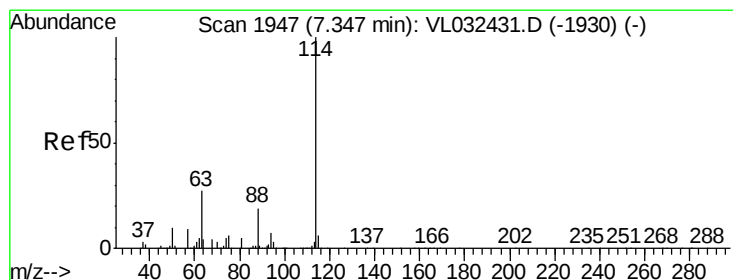
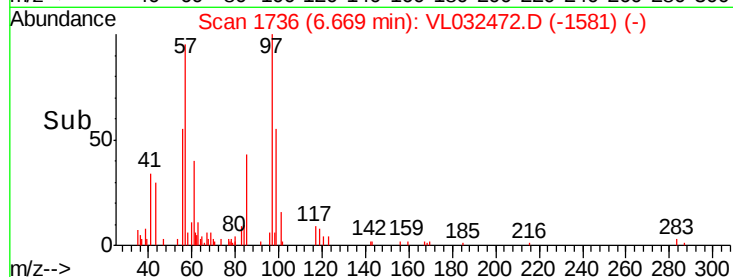
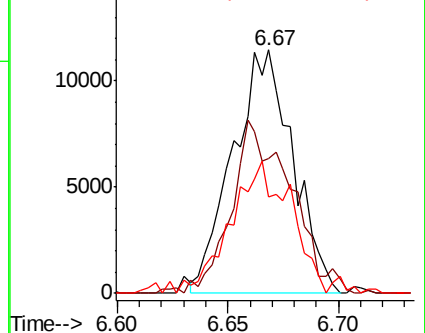
61 57.3 42.5 63.7



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.34 min Scan# 1945

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

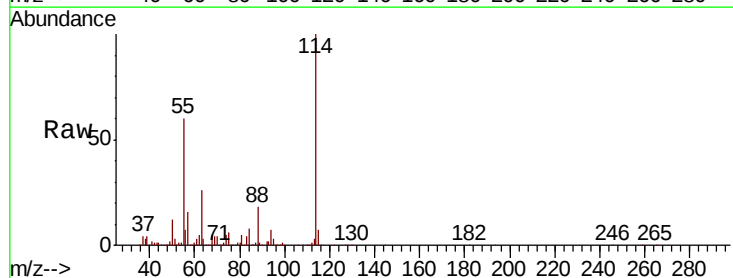
Tgt Ion: 114 Resp: 3103413

Ion Ratio Lower Upper

114 100

63 26.7 22.2 33.4

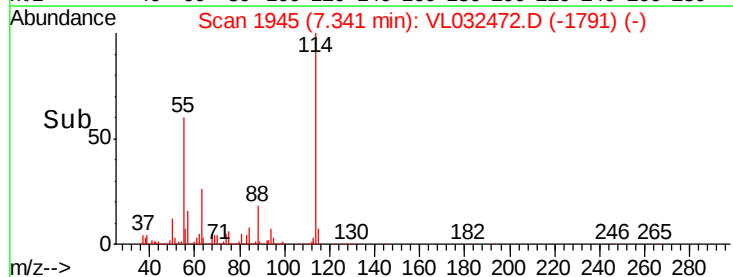
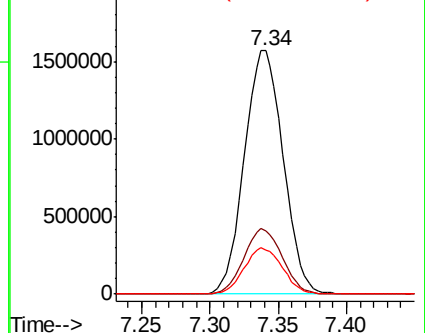
88 18.8 15.0 22.4

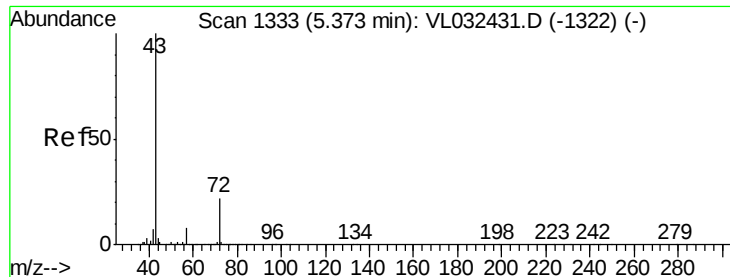


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

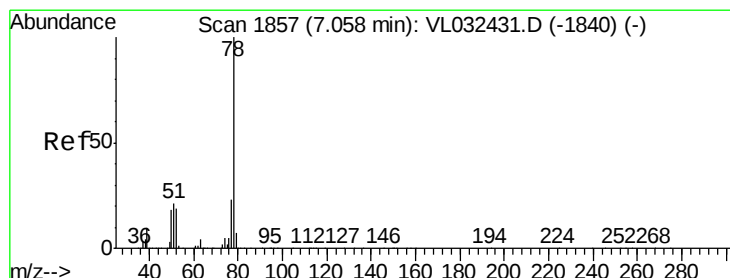
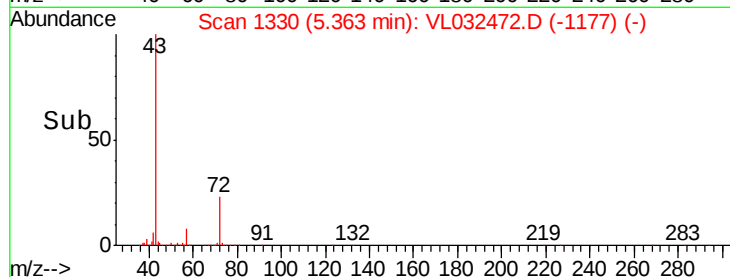
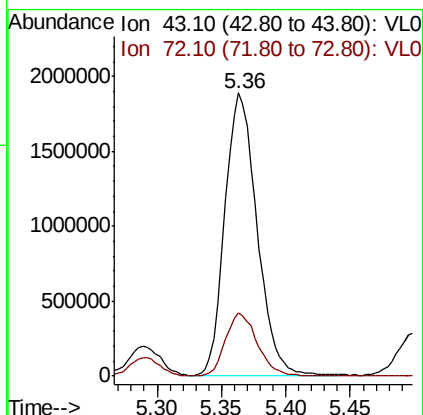
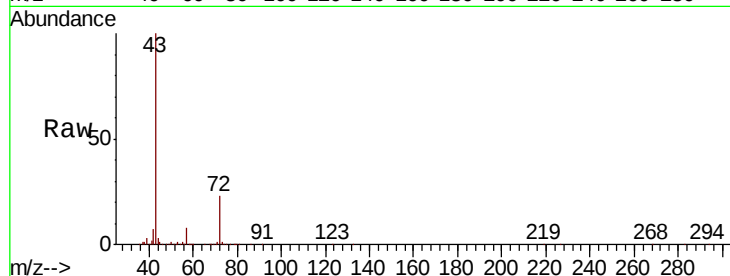




#34
2-Butanone
Concen: 15.737 ppbv
RT: 5.36 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

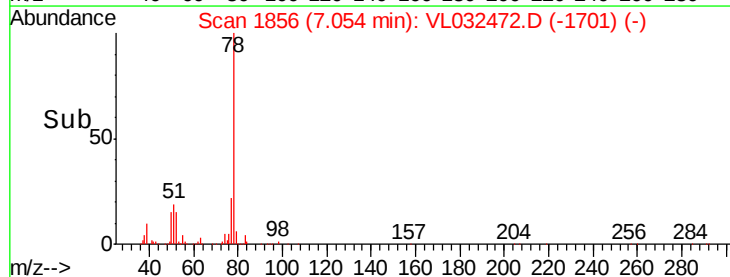
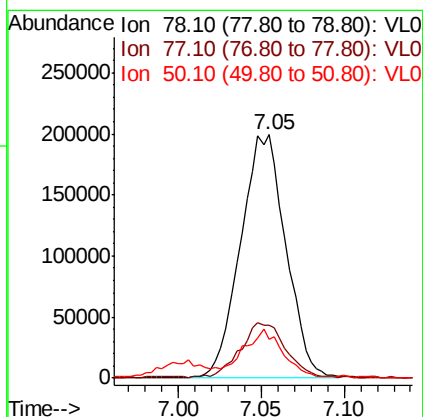
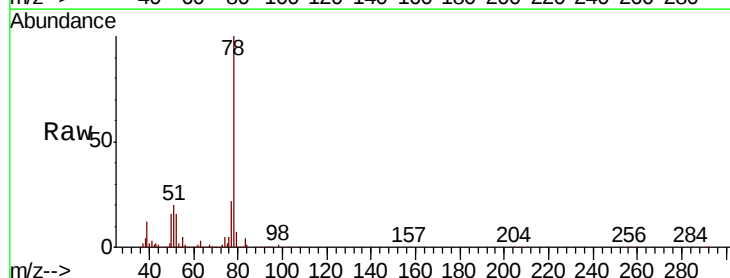
Instrument :
MSVOA_L
ClientSampleId :
VP-1

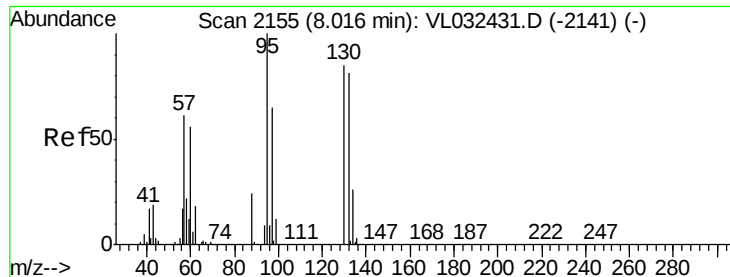
Tgt Ion: 43 Resp: 3244073
Ion Ratio Lower Upper
43 100
72 22.2 17.8 26.6



#36
Benzene
Concen: 1.428 ppbv
RT: 7.05 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

Tgt Ion: 78 Resp: 377242
Ion Ratio Lower Upper
78 100
77 21.5 18.4 27.6
50 15.4 14.4 21.6





#38

Trichloroethene

Concen: 3.408 ppbv

RT: 8.01 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

Tgt Ion:130 Resp: 341928

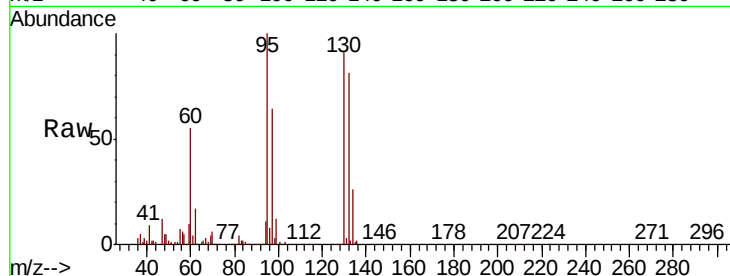
Ion Ratio Lower Upper

130 100

95 110.1 94.2 141.4

132 88.8 76.2 114.4

97 70.9 60.8 91.2

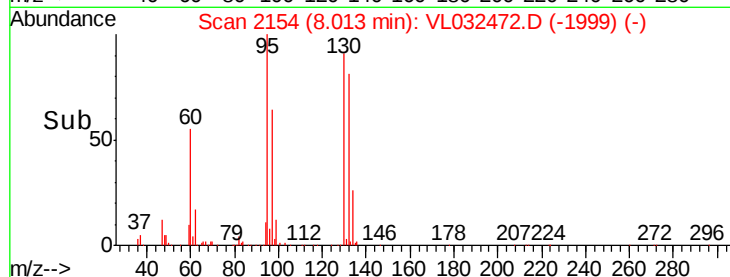


Abundance Ion 130.00 (129.70 to 130.70): V

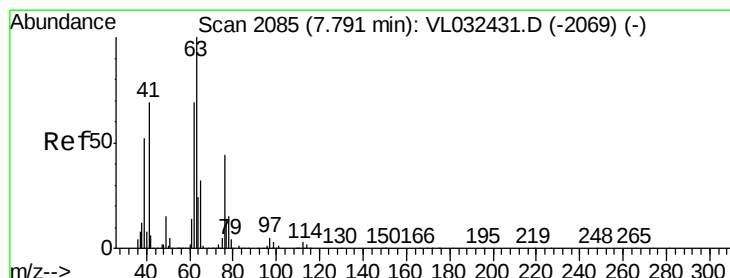
Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->



#39

1,2-Dichloropropane

Concen: 7.284 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

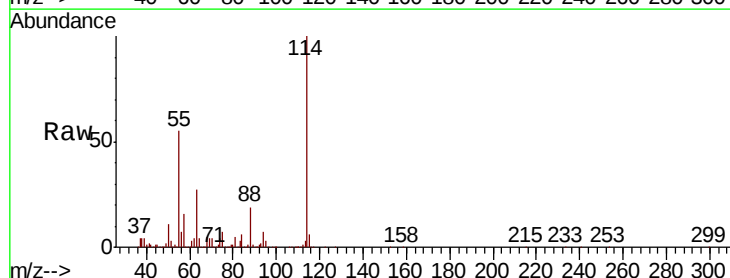
Tgt Ion: 63 Resp: 823062

Ion Ratio Lower Upper

63 100

41 3.9 55.4 83.0#

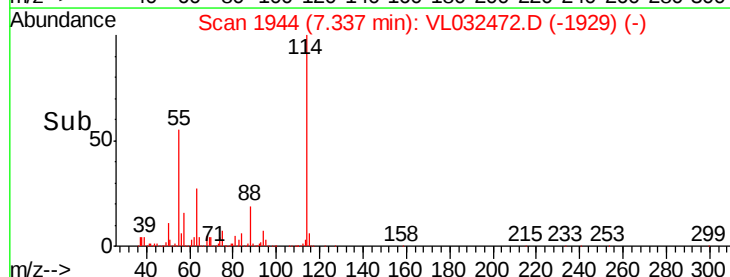
62 15.2 55.4 83.0#



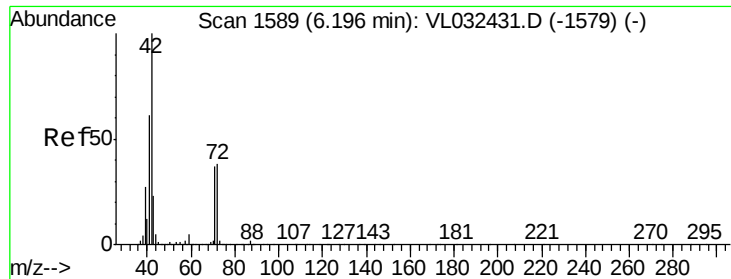
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



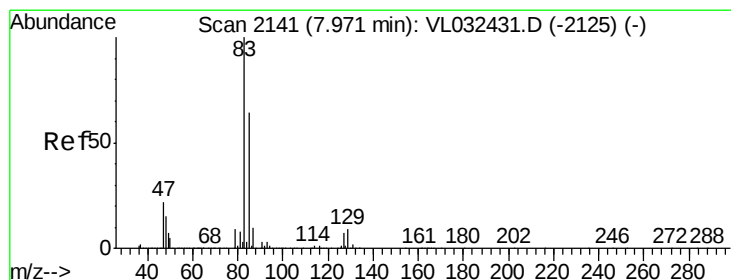
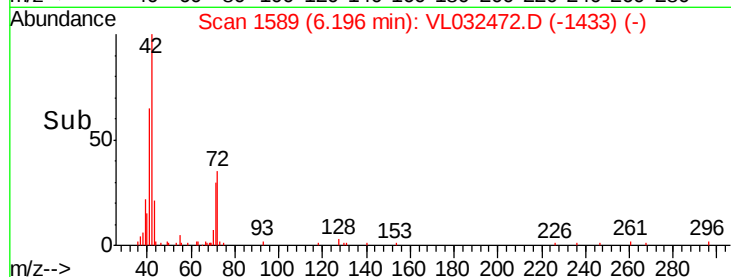
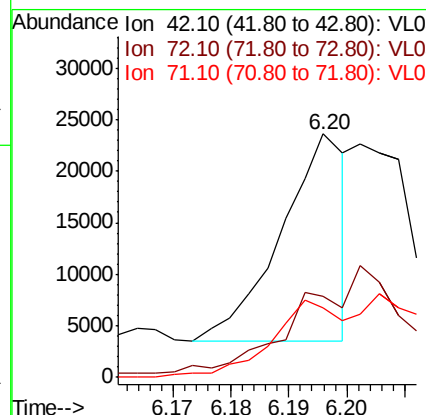
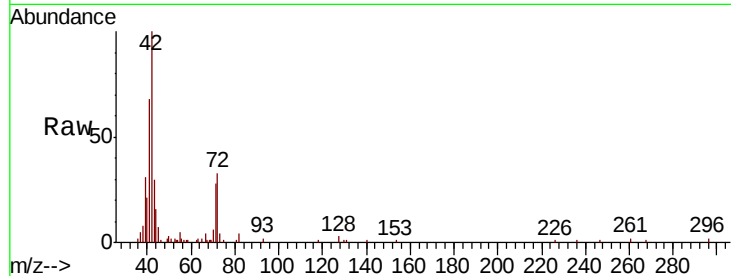
Time-->



#41
Tetrahydrofuran
Concen: 0.139 ppbv
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

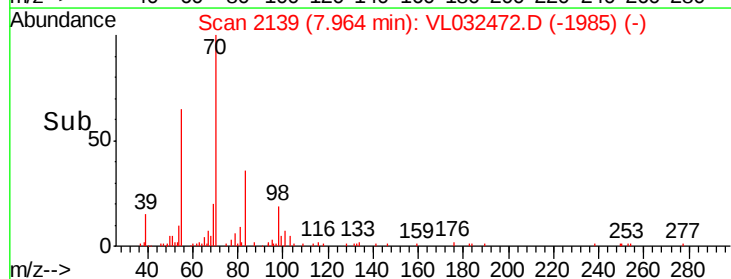
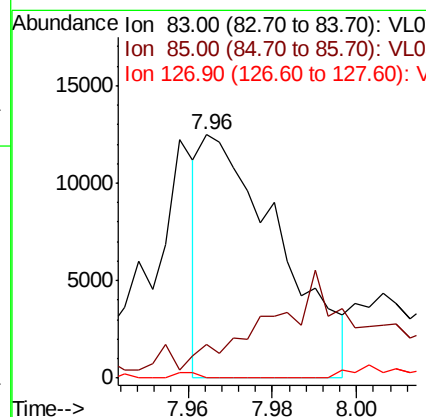
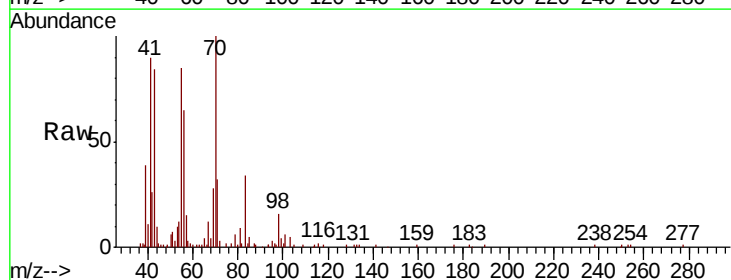
Instrument :
MSVOA_L
ClientSampleId :
VP-1

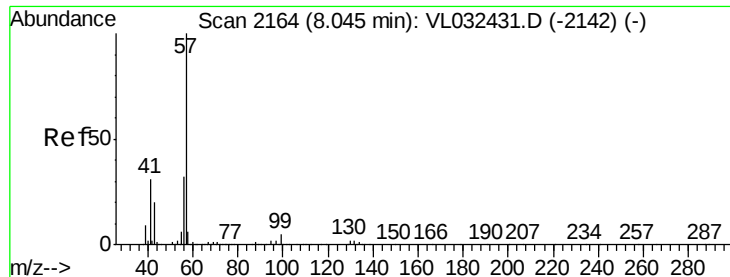
Tgt Ion: 42 Resp: 15565
Ion Ratio Lower Upper
42 100
72 120.0 29.5 44.3#
71 101.7 28.3 42.5#



#42
Bromodichloromethane
Concen: 0.072 ppbv
RT: 7.96 min Scan# 2139
Delta R.T. -0.01 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

Tgt Ion: 83 Resp: 16131
Ion Ratio Lower Upper
83 100
85 6.7 51.1 76.7#
127 0.0 5.8 8.8#





#44

2,2,4-Trimethylpentane

Concen: 0.153 ppbv

RT: 8.04 min Scan# 2162

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampled :

VP-1

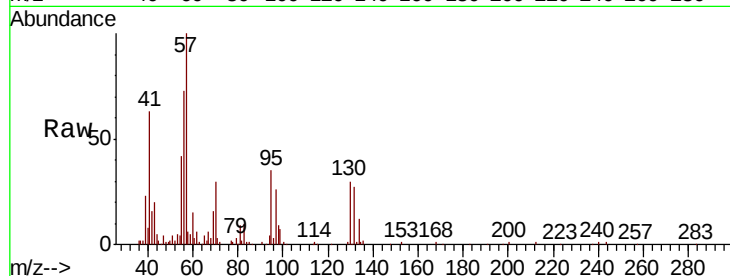
Tgt Ion: 57 Resp: 78313

Ion Ratio Lower Upper

57 100

41 115.0 24.4 36.6#

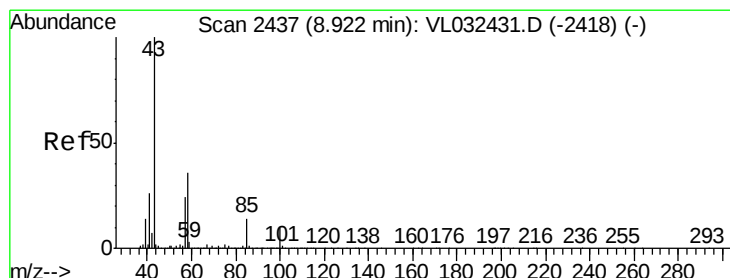
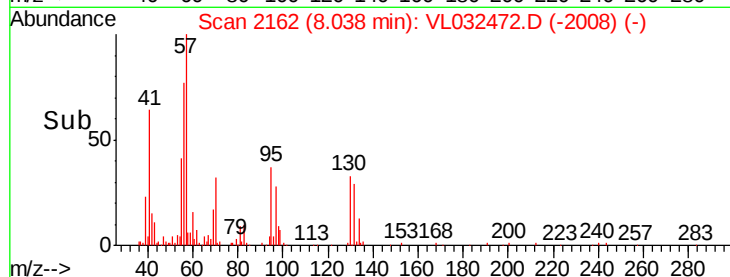
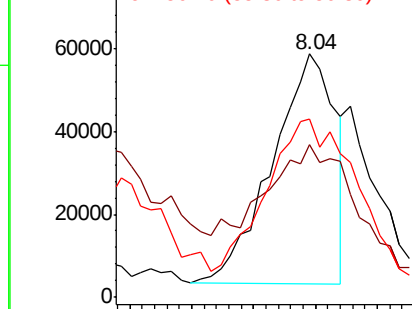
56 120.5 25.7 38.5#



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: 0.220 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.01 min

Lab File: VL032472.D

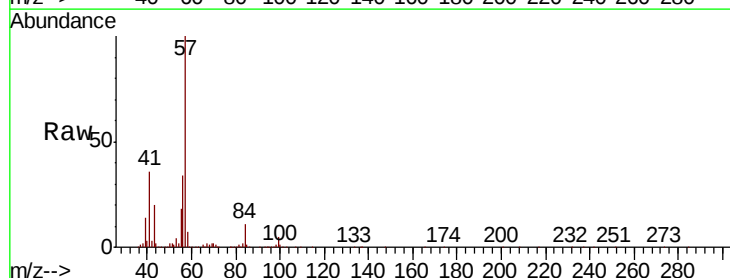
Acq: 6 Sep 2018 1:51

Tgt Ion: 43 Resp: 68330

Ion Ratio Lower Upper

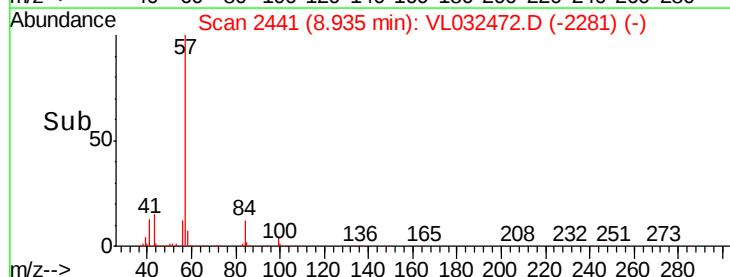
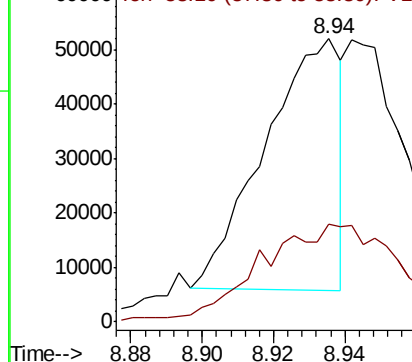
43 100

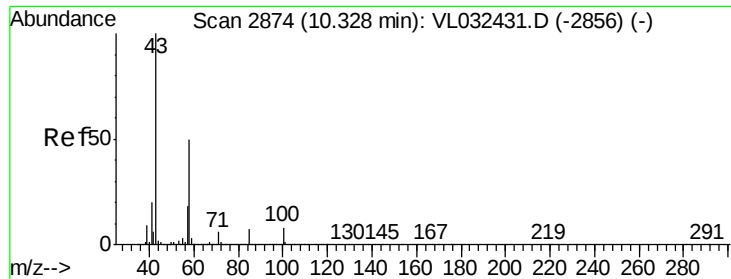
58 75.8 29.0 43.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

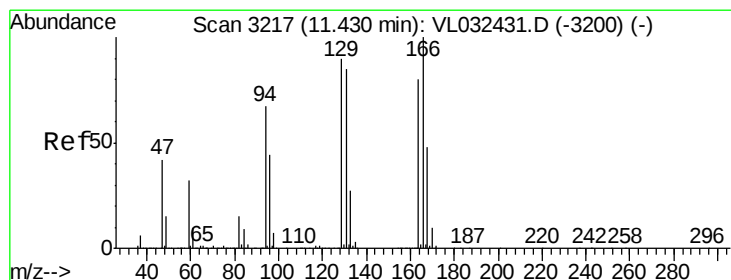
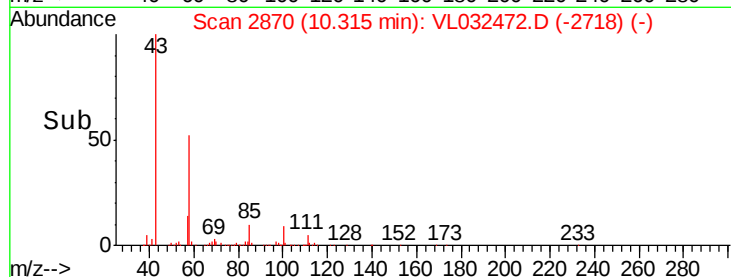
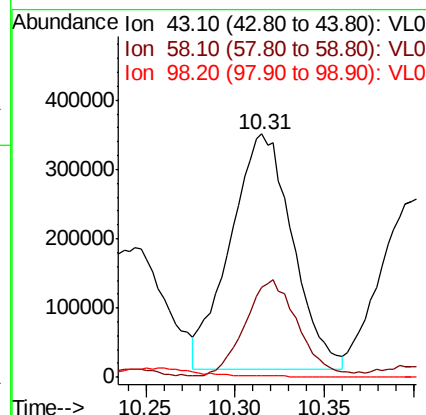
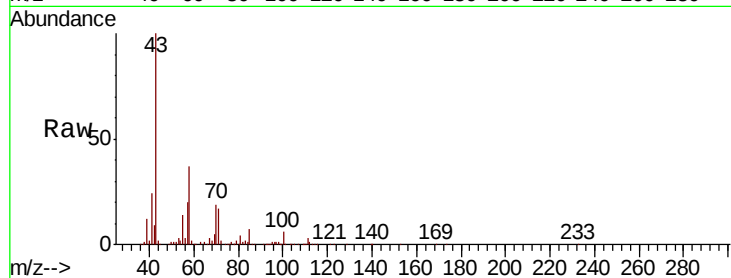




#51
2-Hexanone
Concen: 4.141 ppbv
RT: 10.31 min Scan# 2870
Delta R.T. -0.01 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

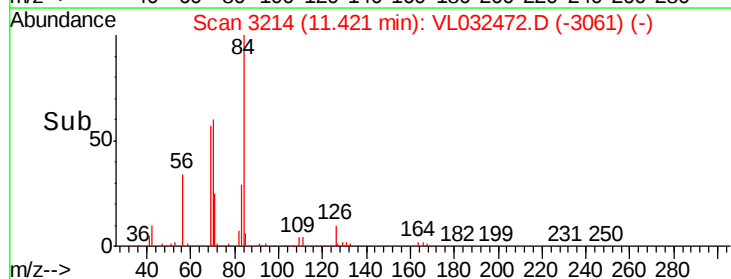
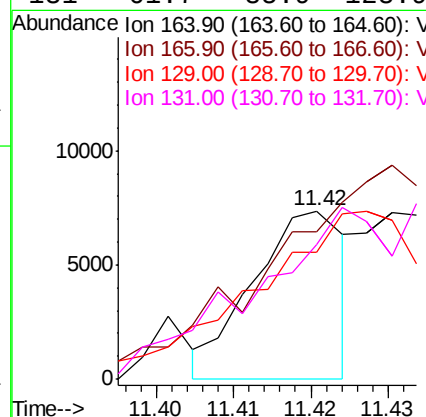
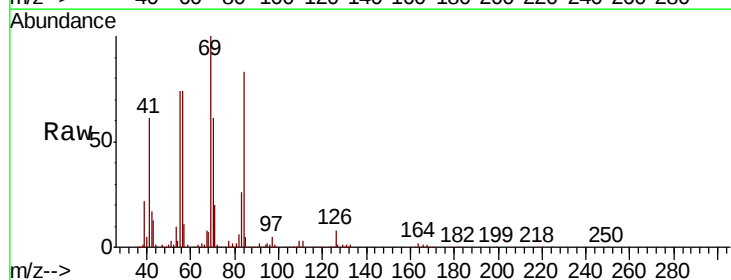
Instrument :
MSVOA_L
ClientSampleId :
VP-1

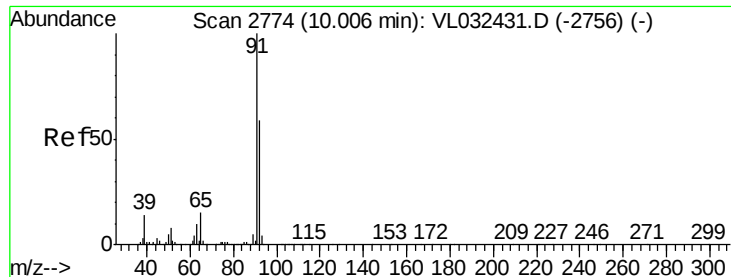
Tgt Ion: 43 Resp: 828241
Ion Ratio Lower Upper
43 100
58 35.6 39.2 58.8#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.074 ppbv
RT: 11.42 min Scan# 3214
Delta R.T. -0.01 min
Lab File: VL032472.D
Acq: 6 Sep 2018 1:51

Tgt Ion: 164 Resp: 6037
Ion Ratio Lower Upper
164 100
166 71.3 100.6 150.8#
129 52.6 89.9 134.9#
131 61.7 85.9 128.9#





#53

Toluene

Concen: 1.637 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

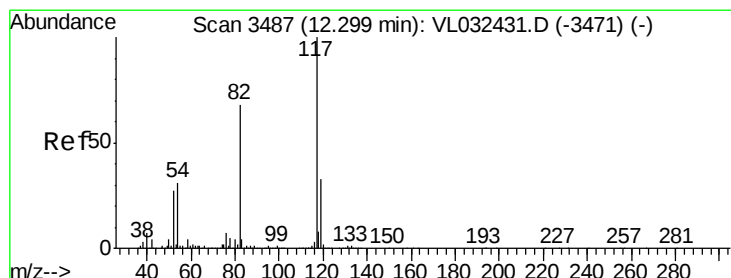
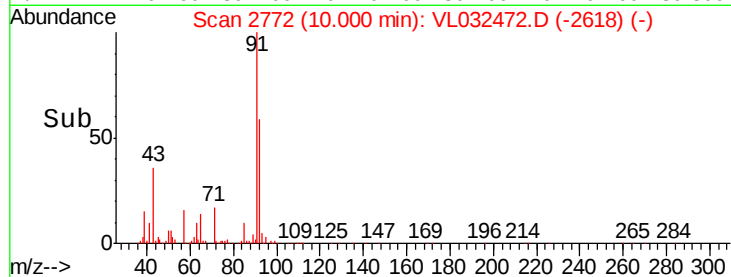
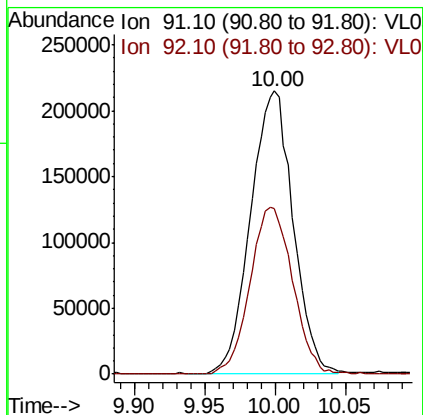
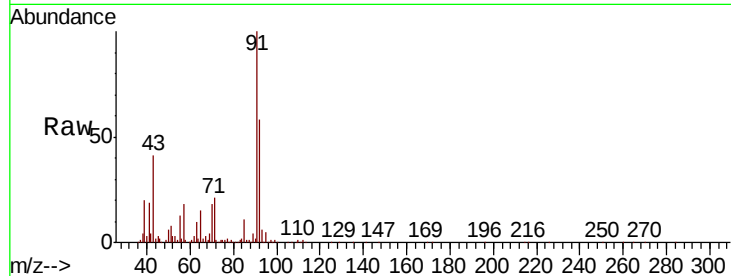
VP-1

Tgt Ion: 91 Resp: 451781

Ion Ratio Lower Upper

91 100

92 59.4 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

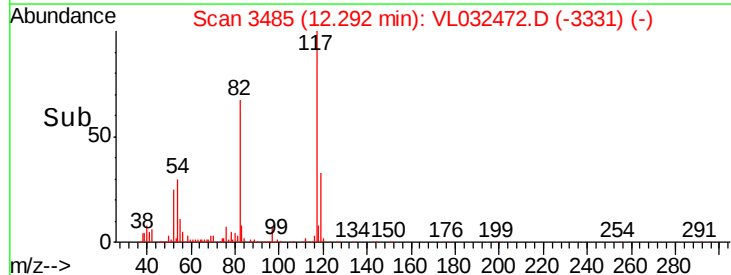
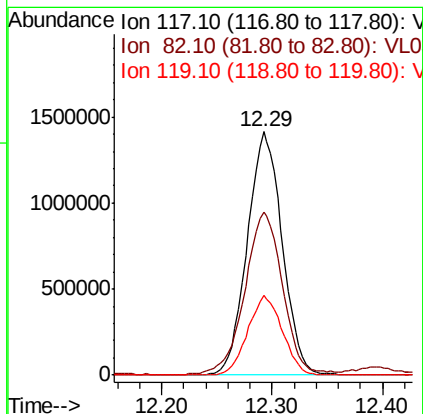
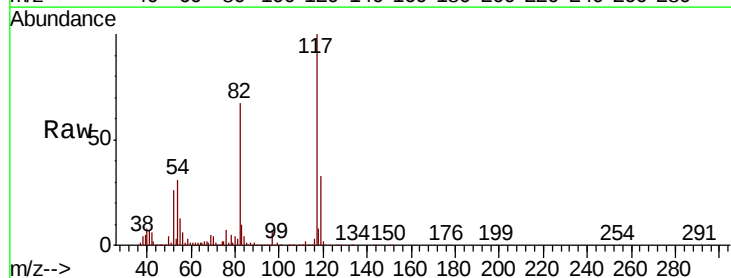
Tgt Ion: 117 Resp: 3100157

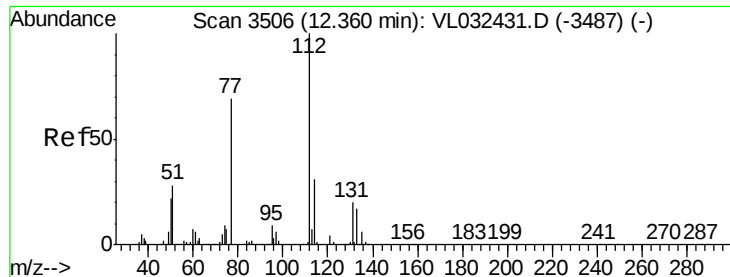
Ion Ratio Lower Upper

117 100

82 72.2 53.0 79.6

119 32.5 45.9 68.9#





#57

Chlorobenzene

Concen: 0.915 ppbv

RT: 12.35 min Scan# 3504

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

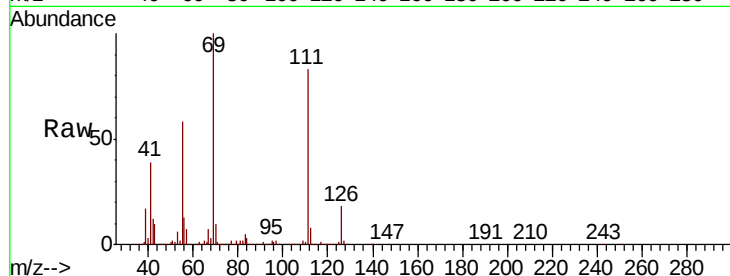
Tgt Ion: 112 Resp: 226591

Ion Ratio Lower Upper

112 100

77 13.1 56.1 84.1#

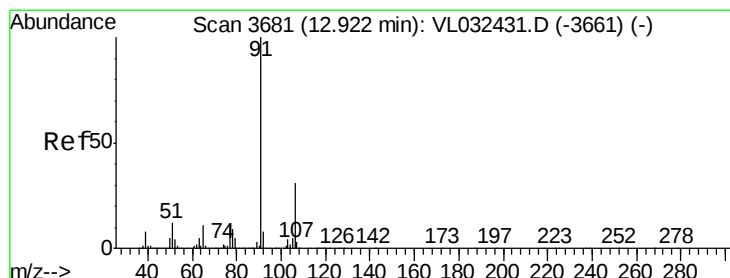
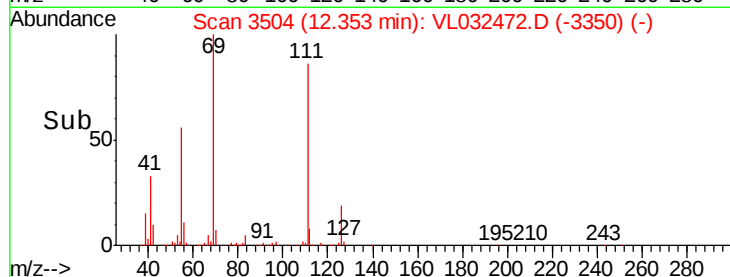
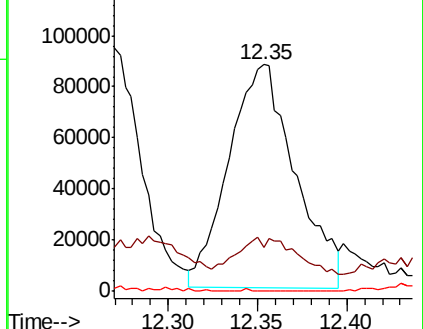
114 0.9 27.8 34.0#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.188 ppbv

RT: 12.92 min Scan# 3680

Delta R.T. -0.00 min

Lab File: VL032472.D

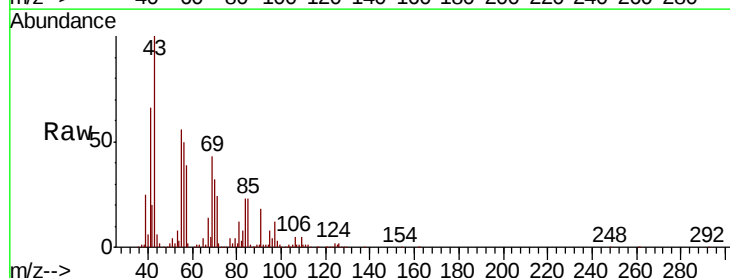
Acq: 6 Sep 2018 1:51

Tgt Ion: 91 Resp: 69592

Ion Ratio Lower Upper

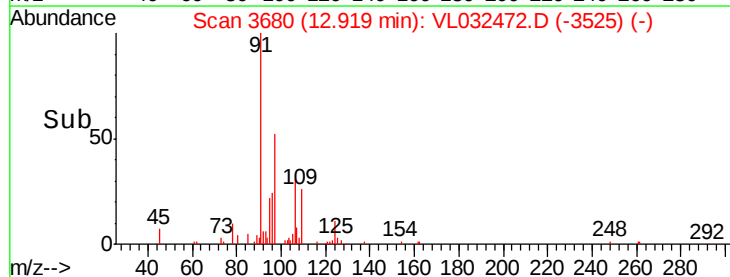
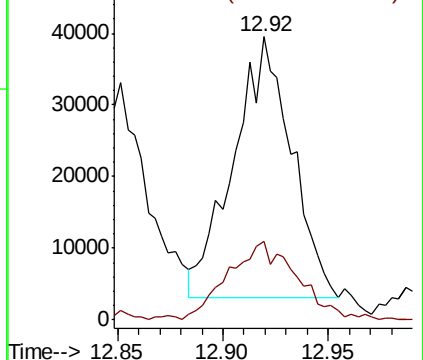
91 100

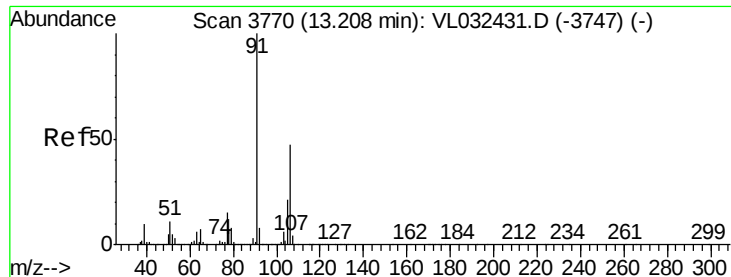
106 28.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.150 ppbv

RT: 13.21 min Scan# 3769

Delta R.T. -0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampled :

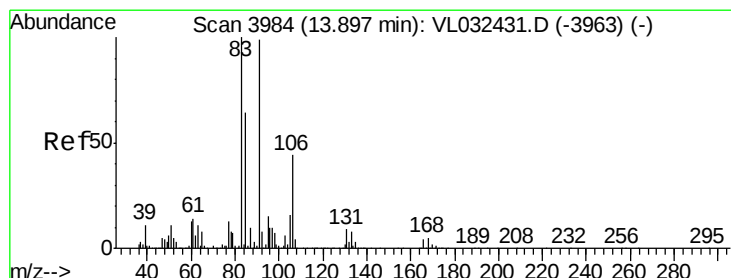
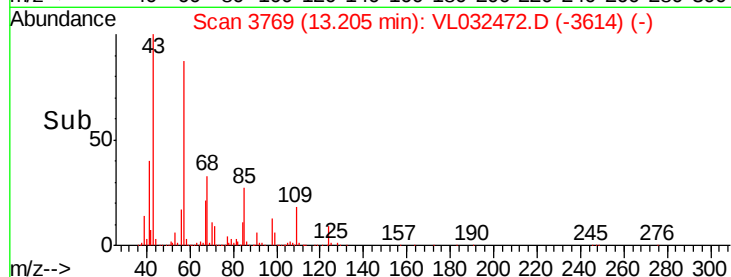
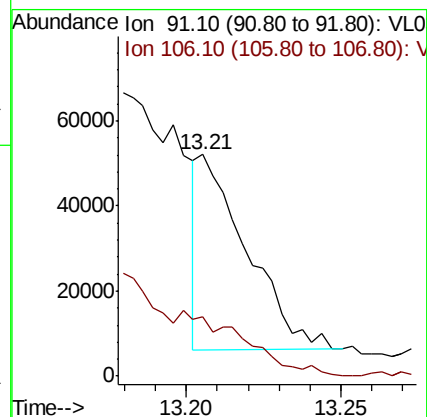
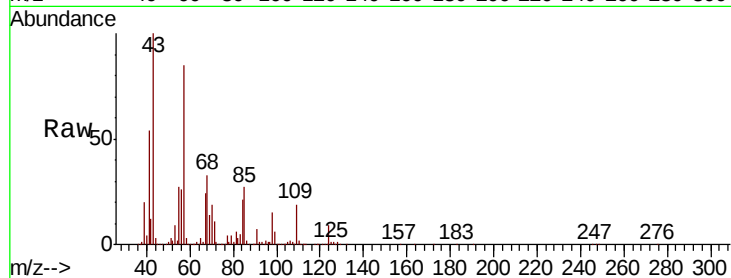
VP-1

Tgt Ion: 91 Resp: 49711

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.153 ppbv

RT: 13.88 min Scan# 3978

Delta R.T. -0.02 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

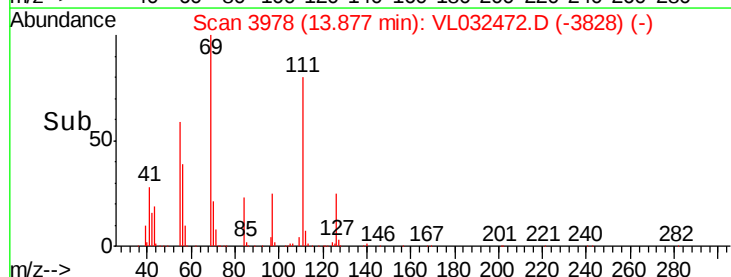
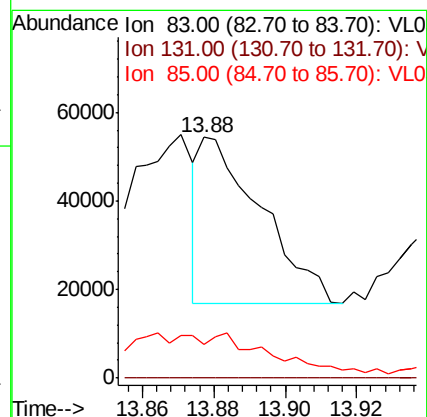
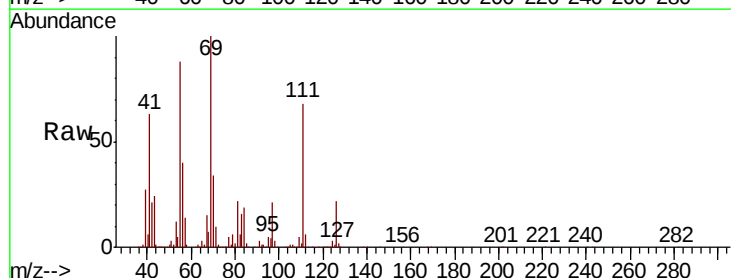
Tgt Ion: 83 Resp: 44301

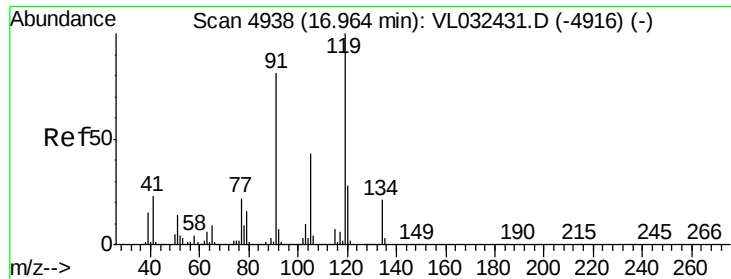
Ion Ratio Lower Upper

83 100

131 0.0 4.3 12.8#

85 49.7 32.3 96.8





#65

tert-Butylbenzene

Concen: 0.056 ppbv

RT: 16.96 min Scan# 4936

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

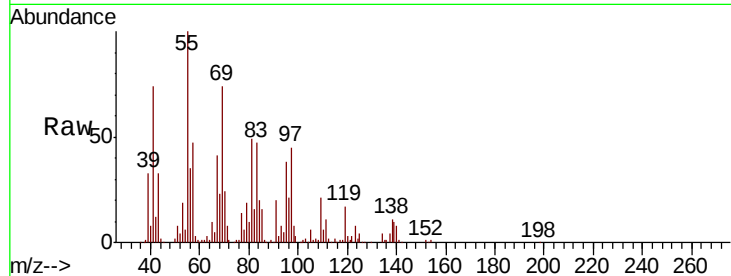
Tgt Ion: 119 Resp: 21914

Ion Ratio Lower Upper

119 100

91 0.0 66.5 99.7#

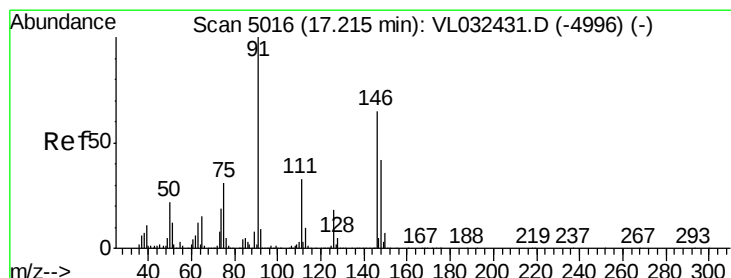
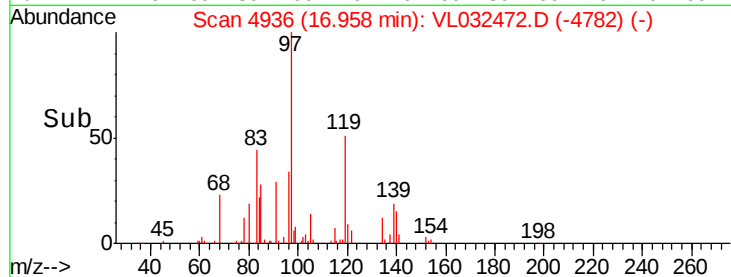
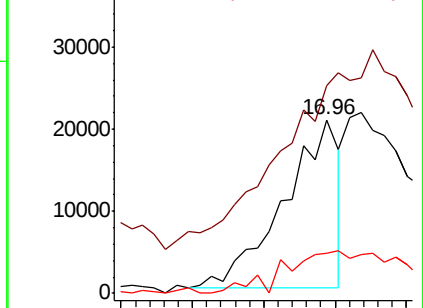
134 60.3 16.0 24.0#



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



#66

Benzyl Chloride

Concen: 0.031 ppbv

RT: 17.20 min Scan# 5012

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

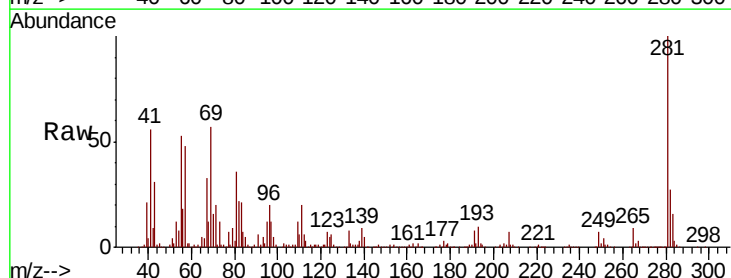
Tgt Ion: 91 Resp: 6785

Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

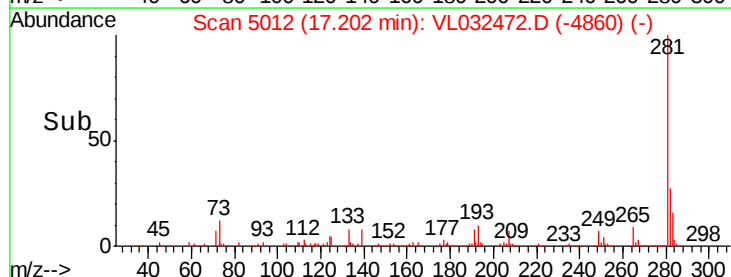
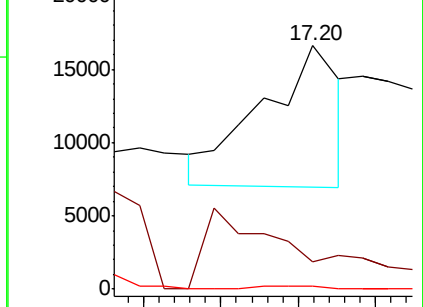
128 0.0 4.4 6.6#

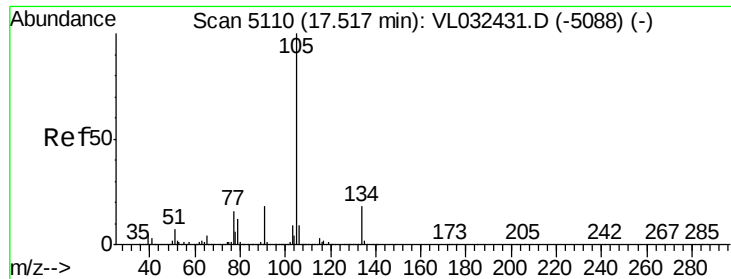


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.092 ppbv

RT: 17.51 min Scan# 5108

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampled :

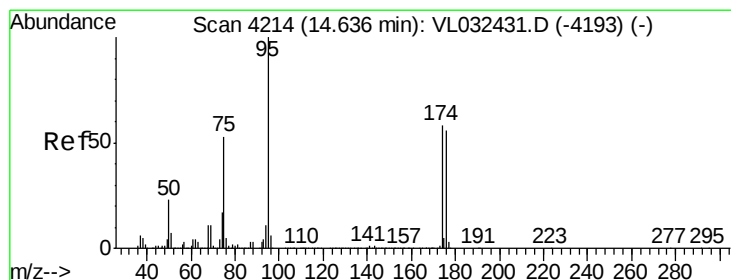
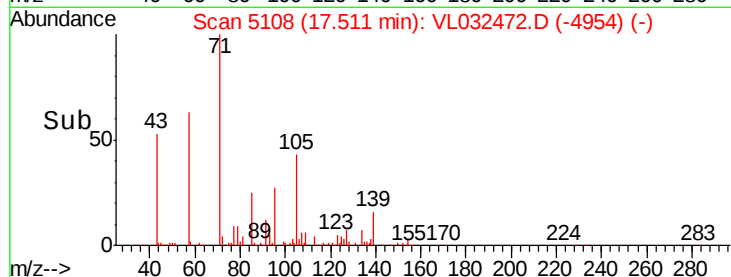
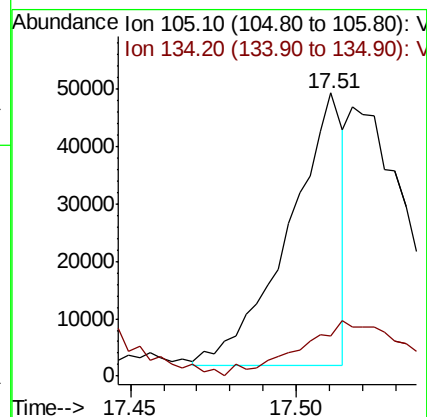
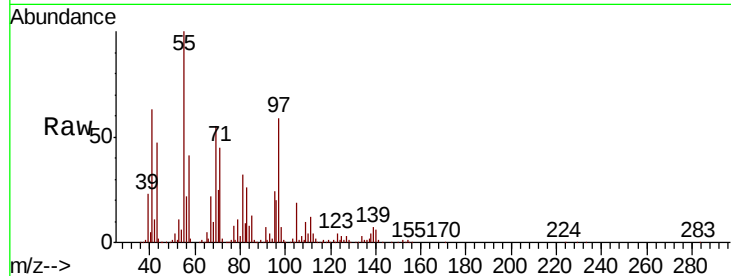
VP-1

Tgt Ion:105 Resp: 54314

Ion Ratio Lower Upper

105 100

134 0.0 14.4 21.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 17.334 ppbv

RT: 14.63 min Scan# 4212

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

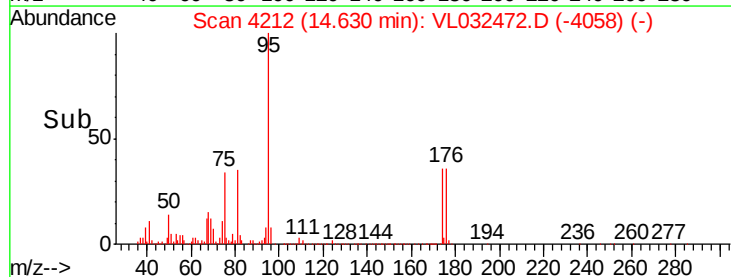
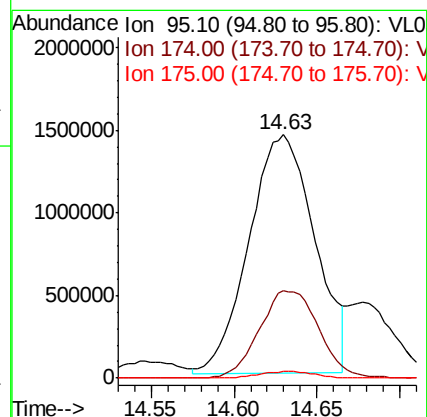
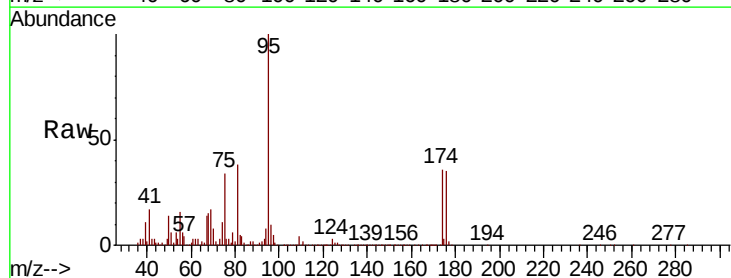
Tgt Ion: 95 Resp: 3989681

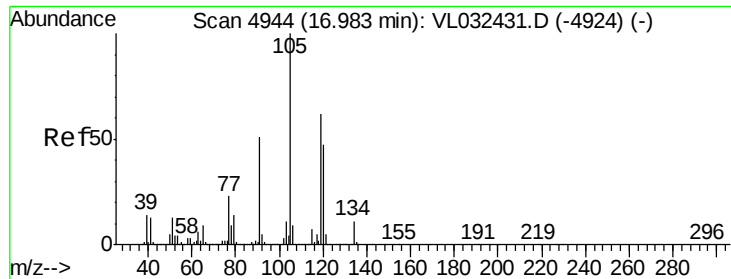
Ion Ratio Lower Upper

95 100

174 33.2 46.3 69.5#

175 2.4 3.4 5.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.145 ppbv

RT: 16.98 min Scan# 4944

Delta R.T. 0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

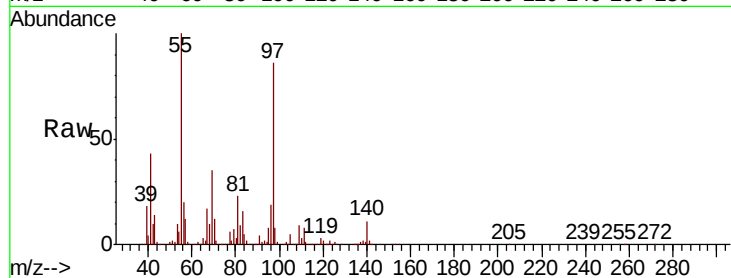
Instrument :

MSVOA_L

ClientSampleId :

VP-1

Tgt Ion:	105	Resp:	56326
Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.8	56.8
91	54.2	41.4	62.0
77	74.5	18.6	28.0#

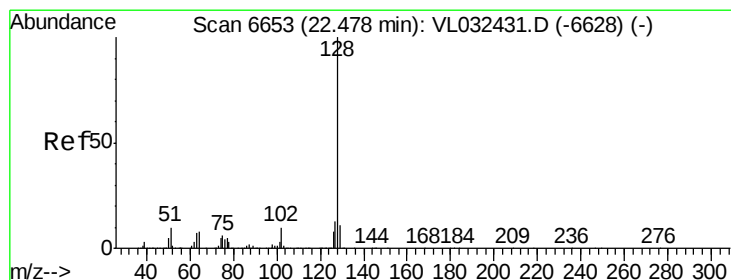
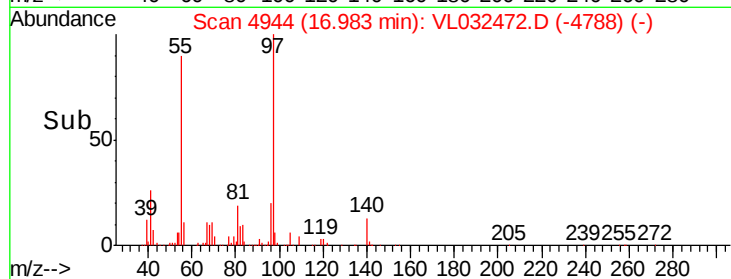
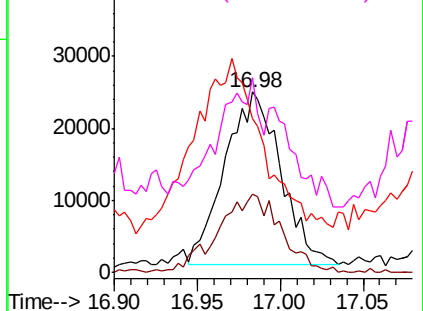


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.242 ppbv

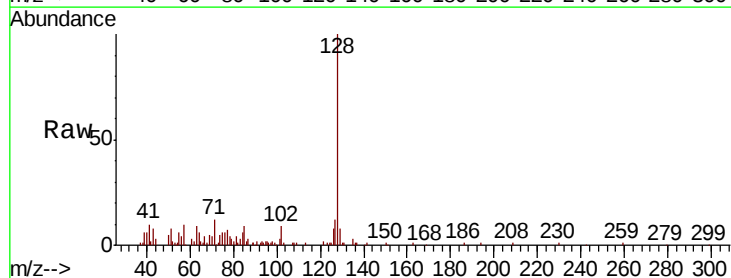
RT: 22.47 min Scan# 6651

Delta R.T. -0.01 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

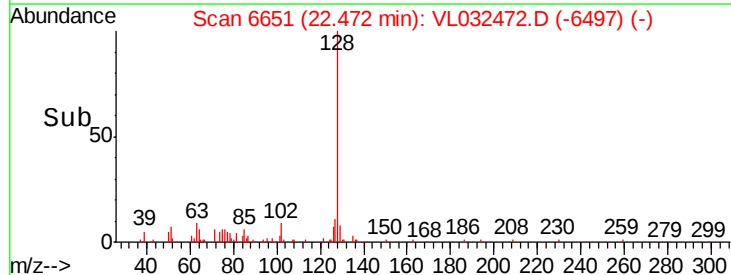
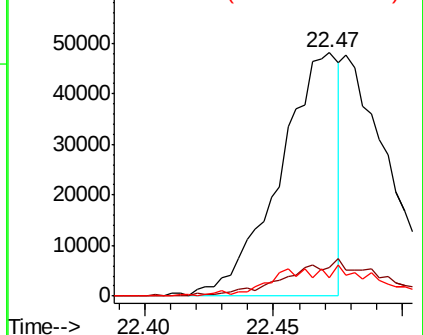
Tgt Ion:	128	Resp:	76439
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.2	15.2
129	7.0	8.5	12.7#

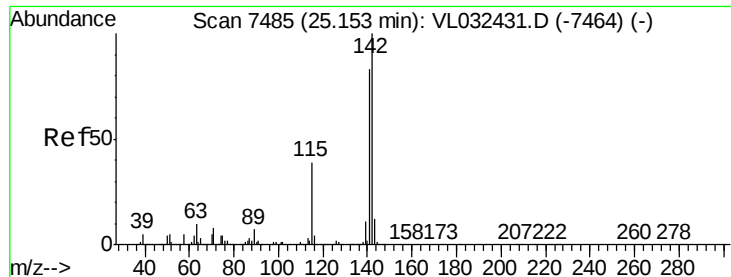


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.152 ppbv

RT: 25.15 min Scan# 7485

Delta R.T. 0.00 min

Lab File: VL032472.D

Acq: 6 Sep 2018 1:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

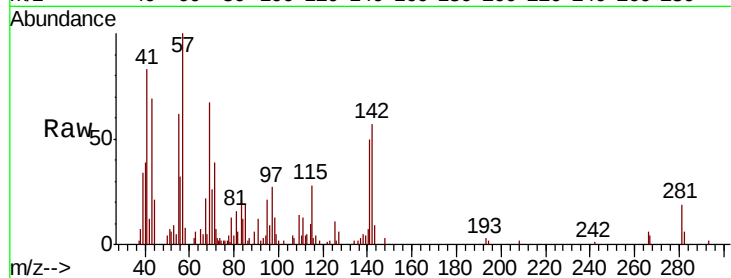
Tgt Ion:142 Resp: 12788

Ion Ratio Lower Upper

142 100

141 87.8 67.0 100.6

115 45.0 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

