

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032210.D
 Acq On : 5 Jul 2018 19:25
 Operator : SY/AP
 Sample : J3867-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 539I

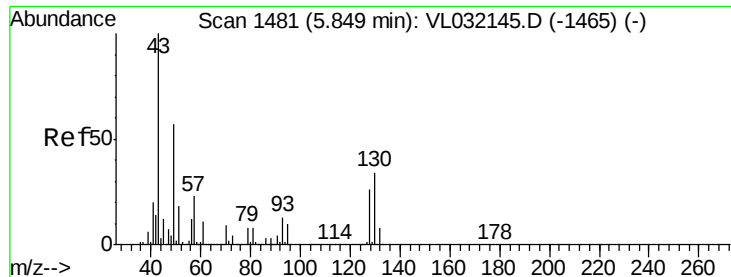
Quant Time: Jul 06 04:29:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1427769	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3670745	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3651011	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	2761792	9.90	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	34195	0.182	ppbv	99
3) Chlorodifluoromethane	3.07	51	140501	0.805	ppbv	96
4) Chloromethane	3.23	50	62229	0.668	ppbv #	85
7) Chloroethane	3.66	64	1988	0.060	ppbv #	54
9) Propene	3.09	41	102758	1.264	ppbv	88
10) Heptane	8.33	43	162884	0.687	ppbv	97
11) Trichlorofluoromethane	4.07	101	59745	0.294	ppbv	87
13) Ethanol	3.71	45	1798432	72.963	ppbv	100
15) Acetone	3.96	43	2662764	15.950	ppbv	100
16) 1,3-Butadiene	3.40	39	24539	0.308	ppbv #	19
17) tert-Butyl alcohol	4.44	59	49607	0.467	ppbv #	73
19) Isopropyl Alcohol	4.10	45	1992344	14.363	ppbv #	42
20) Methylene Chloride	4.48	84	272483	4.466	ppbv	97
23) Vinyl Acetate	5.22	43	192648	0.636	ppbv #	43
25) Ethyl Acetate	5.86	43	1735346	5.024	ppbv #	81
26) Hexane	5.86	57	2202441	13.847	ppbv #	48
27) Carbon Disulfide	4.69	76	44450	0.281	ppbv #	79
29) Chloroform	5.93	83	22275	0.096	ppbv	88
30) Cyclohexane	7.34	84	71299	0.476	ppbv	95
34) 2-Butanone	5.41	43	428619	1.840	ppbv	99
35) Carbon Tetrachloride	7.23	117	10139	0.040	ppbv	89
36) Benzene	7.09	78	191675	0.540	ppbv	98
38) Trichloroethene	8.05	130	79137	0.570	ppbv #	84
39) 1,2-Dichloropropane	7.38	63	1005764	7.178	ppbv #	27
41) Tetrahydrofuran	6.50	42	14500	0.104	ppbv #	40
44) 2,2,4-Trimethylpentane	8.08	57	295896	0.476	ppbv #	80
50) 4-Methyl-2-Pentanone	8.97	43	14309	0.037	ppbv #	38
51) 2-Hexanone	10.29	43	11445	0.036	ppbv #	64
53) Toluene	10.04	91	528969	1.232	ppbv	97
58) Ethyl Benzene	12.95	91	198626	0.338	ppbv	89
59) m/p-Xylene	13.21	91	563975	1.196	ppbv	94
60) o-Xylene	13.94	91	238930	0.508	ppbv	95
61) Styrene	13.78	104	14247	0.037	ppbv #	80
72) 4-Ethyltoluene	16.10	105	22870	0.038	ppbv #	46
73) 1,3,5-Trimethylbenzene	16.25	105	52728	0.092	ppbv #	81
74) 1,2,4-Trimethylbenzene	17.02	105	74138	0.128	ppbv #	84
80) Naphthalene,2-methyl-	25.18	142	5823	0.031	ppbv #	74

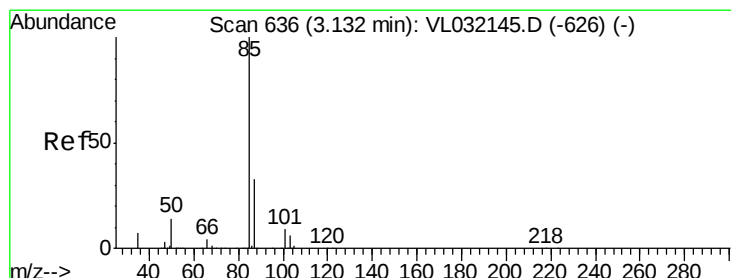
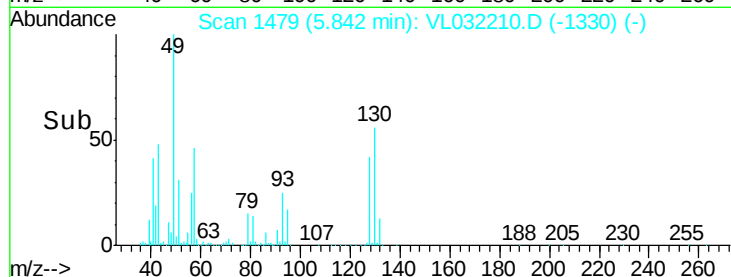
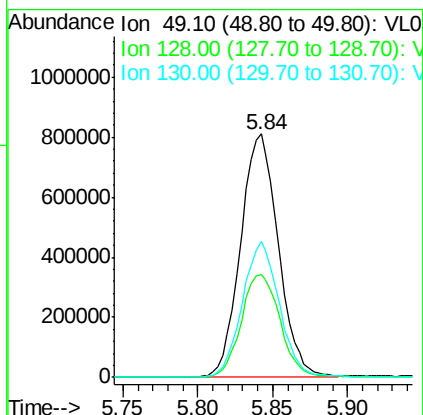
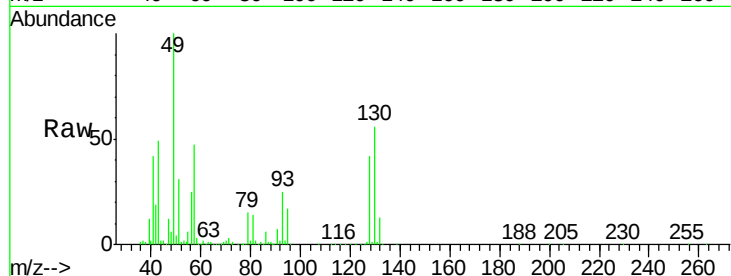
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.84 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

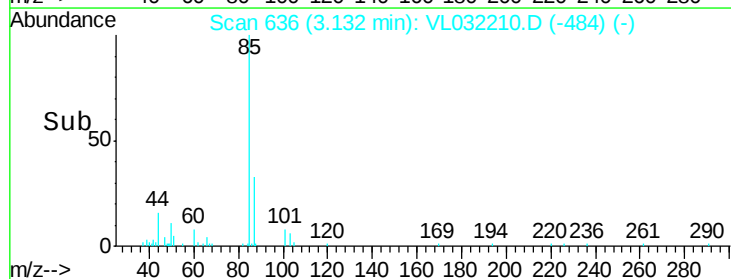
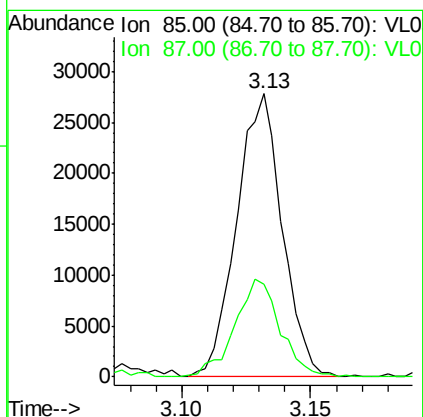
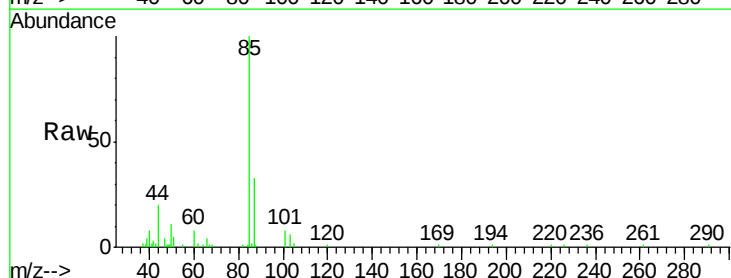
Instrument :
 MSVOA_L
 ClientSampleId :
 539I

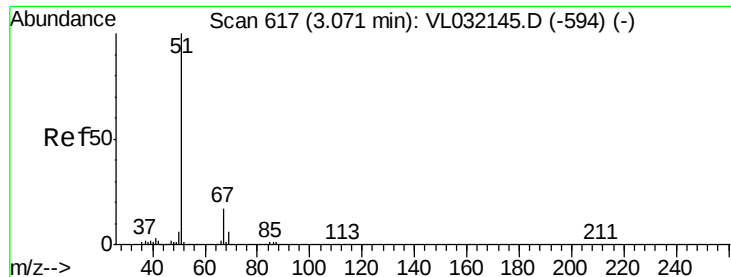
Tgt Ion: 49 Resp: 1427769
 Ion Ratio Lower Upper
 49 100
 128 43.8 23.4 70.0
 130 54.4 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.182 ppbv
 RT: 3.13 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Tgt Ion: 85 Resp: 34195
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.805 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

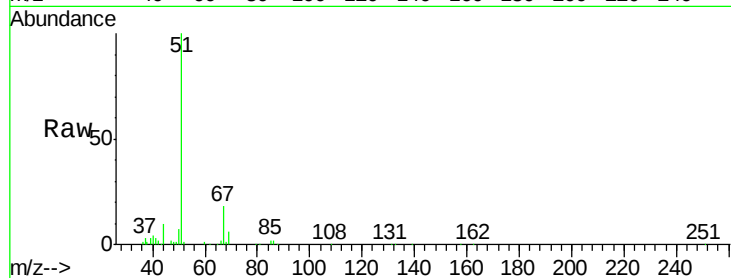
539I

Tgt Ion: 51 Resp: 140501

Ion Ratio Lower Upper

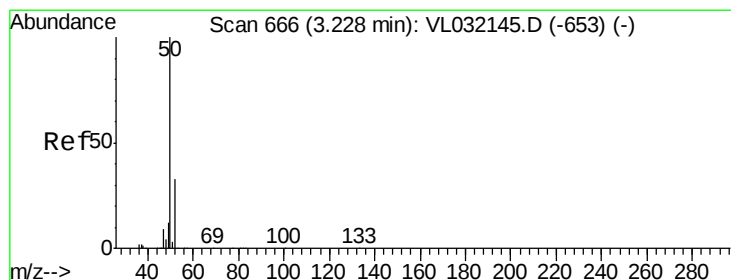
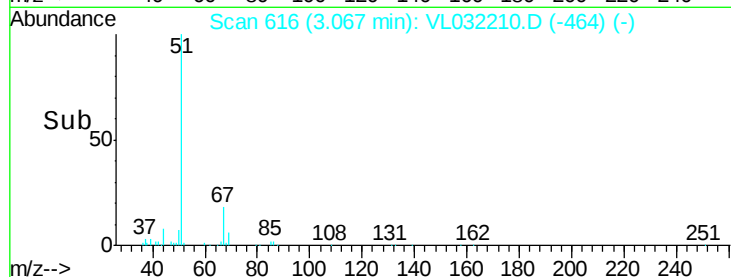
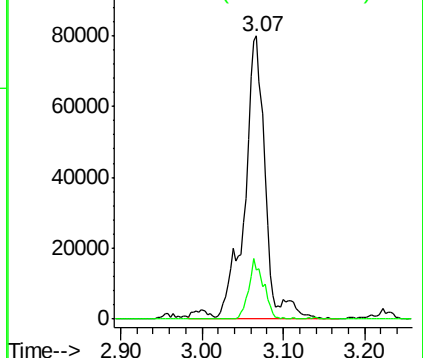
51 100

67 15.0 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.668 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032210.D

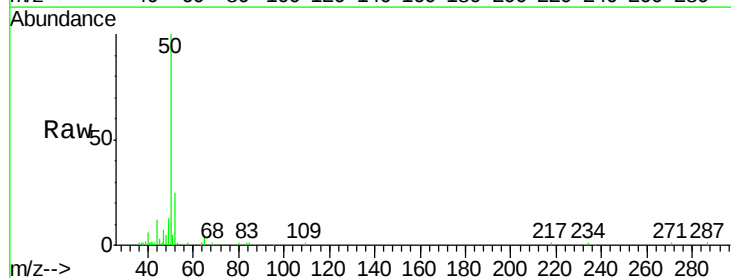
Acq: 5 Jul 2018 19:25

Tgt Ion: 50 Resp: 62229

Ion Ratio Lower Upper

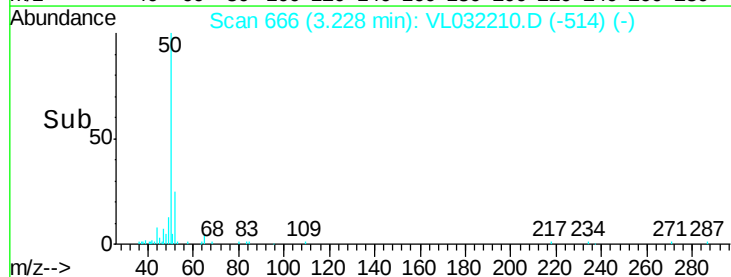
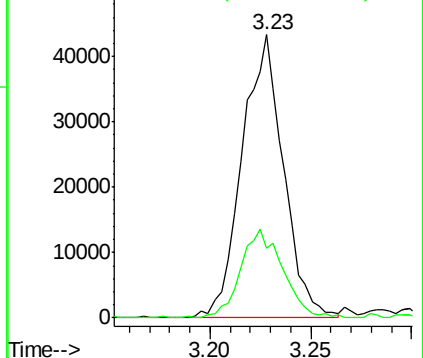
50 100

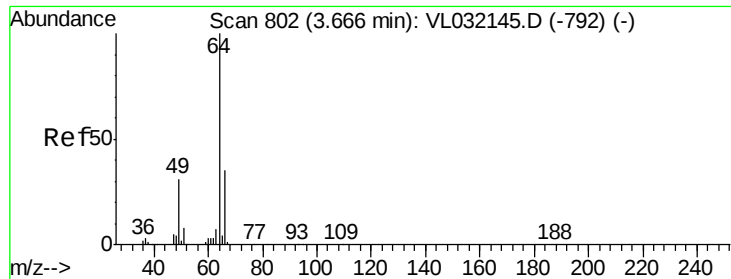
52 24.2 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.060 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

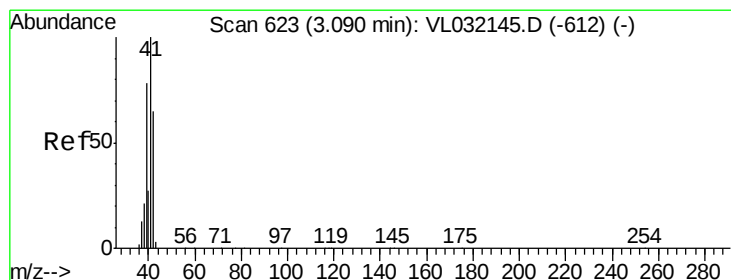
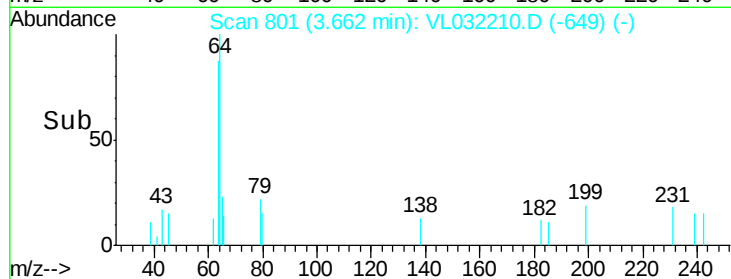
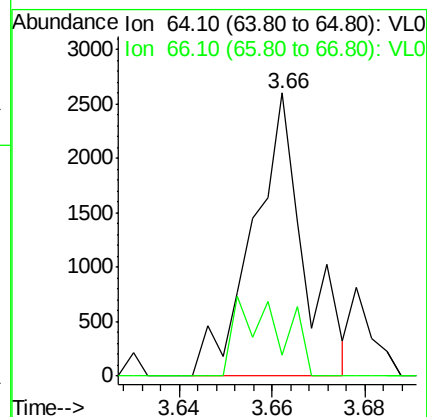
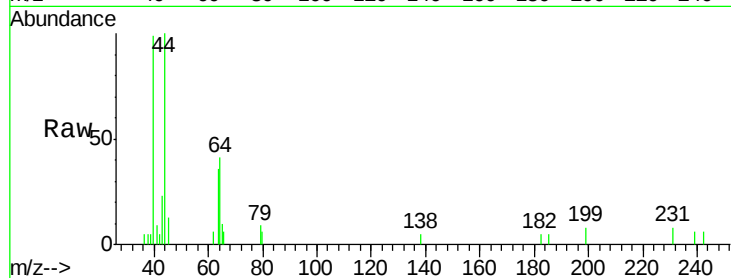
539I

Tgt Ion: 64 Resp: 1988

Ion Ratio Lower Upper

64 100

66 7.3 26.9 40.3#



#9

Propene

Concen: 1.264 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032210.D

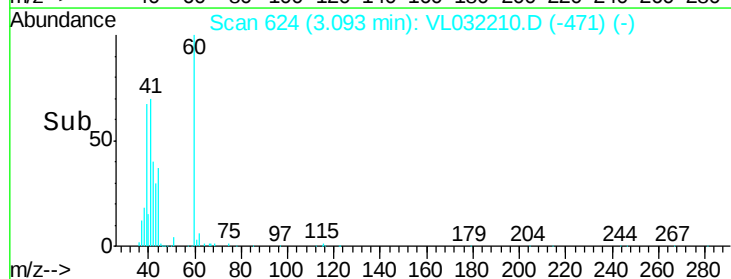
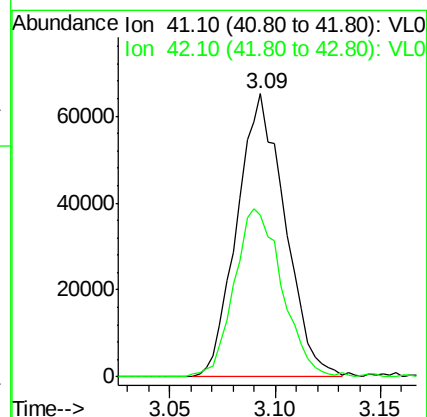
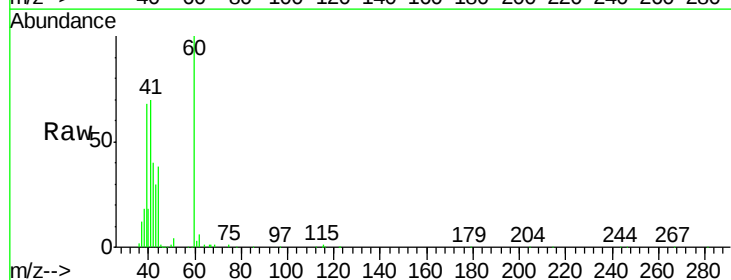
Acq: 5 Jul 2018 19:25

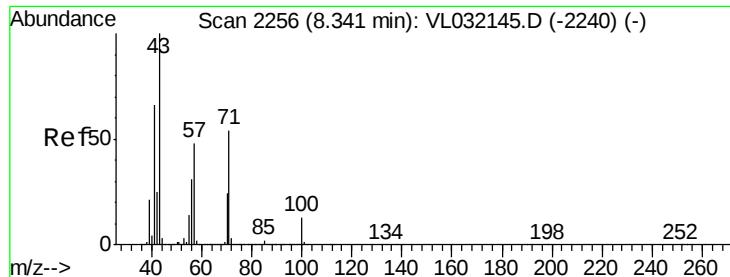
Tgt Ion: 41 Resp: 102758

Ion Ratio Lower Upper

41 100

42 60.3 56.2 84.4





#10

Heptane

Concen: 0.687 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

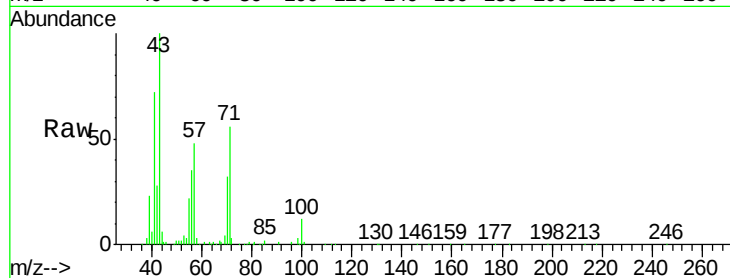
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Tgt Ion: 43 Resp: 162884

Ion Ratio Lower Upper

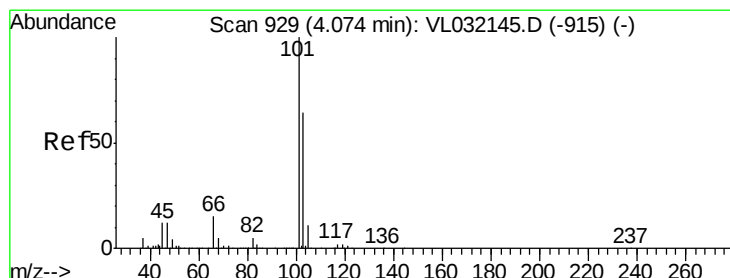
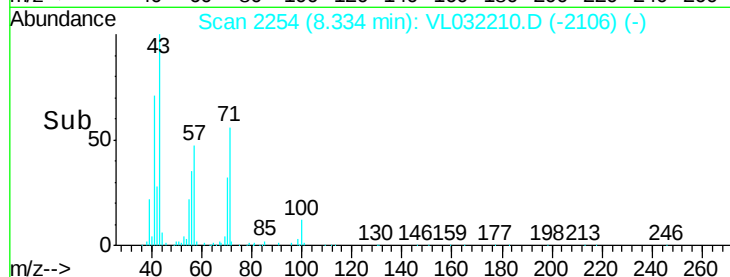
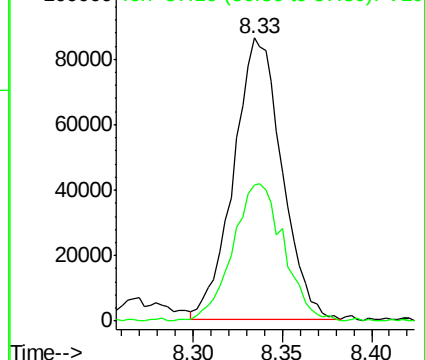
43 100

57 52.0 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.294 ppbv

RT: 4.07 min Scan# 928

Delta R.T. -0.01 min

Lab File: VL032210.D

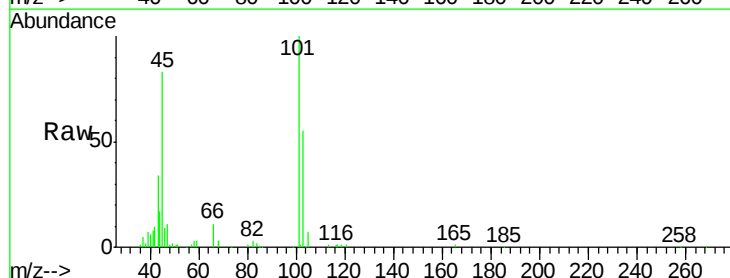
Acq: 5 Jul 2018 19:25

Tgt Ion: 101 Resp: 59745

Ion Ratio Lower Upper

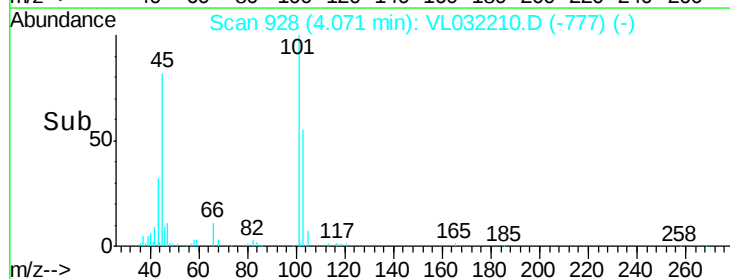
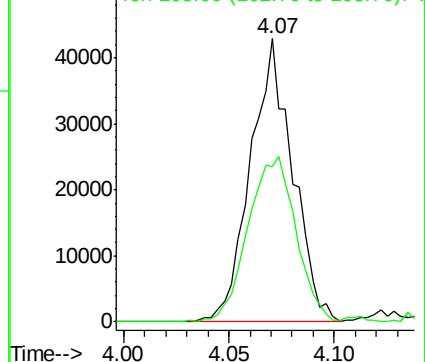
101 100

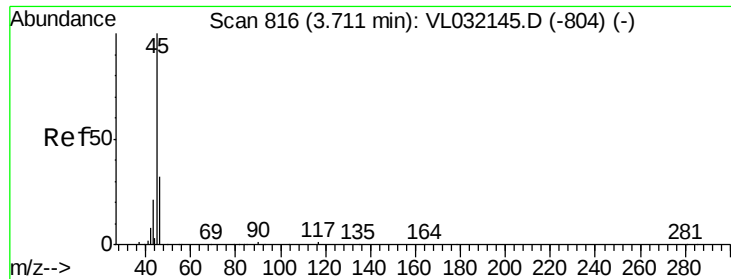
103 54.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

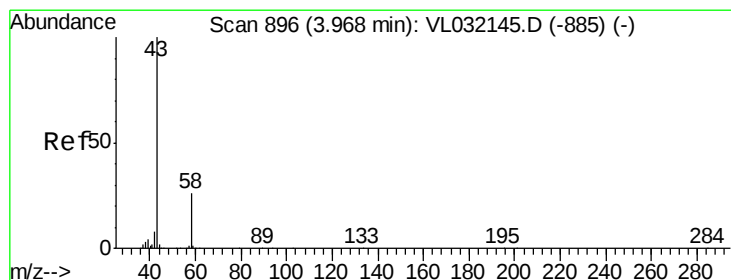
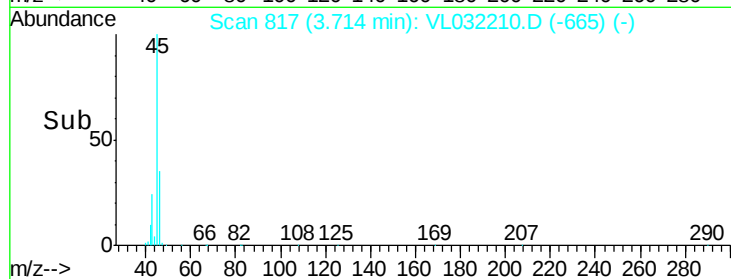
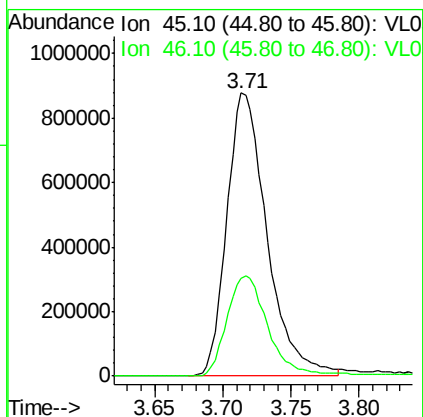
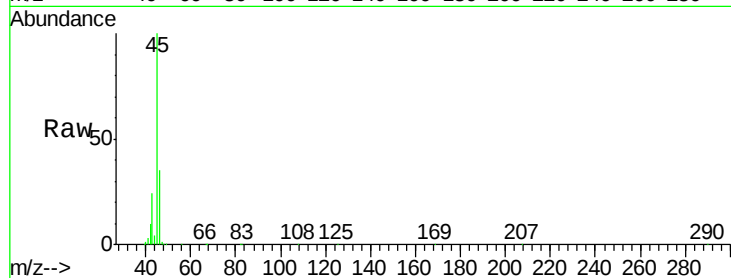




#13
Ethanol
Concen: 72.963 ppbv
RT: 3.71 min Scan# 817
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

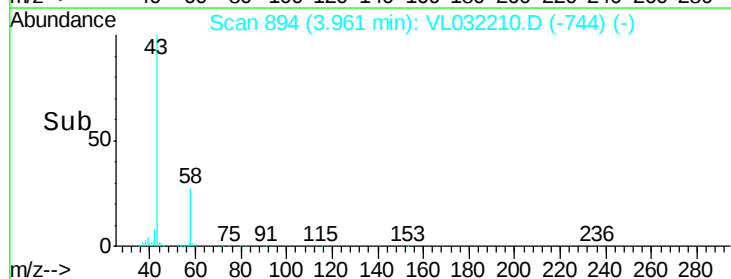
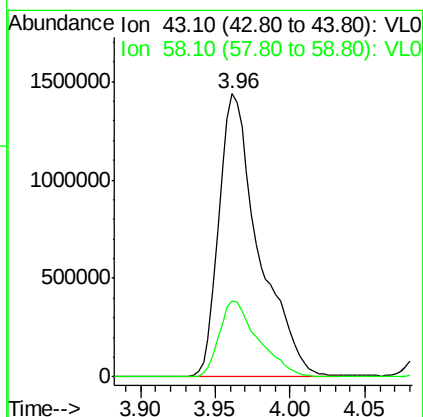
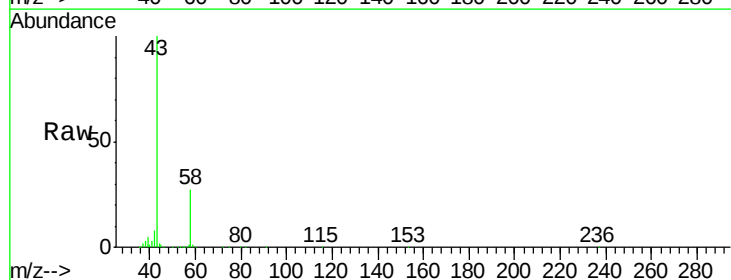
Instrument :
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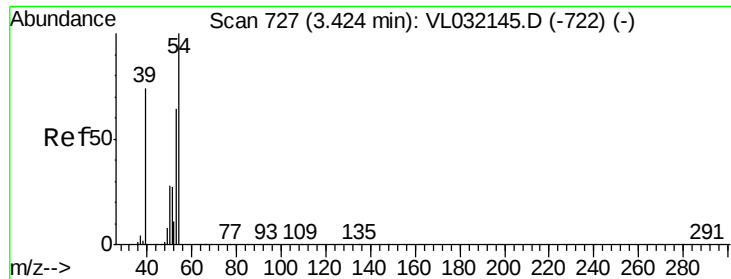
Tgt Ion: 45 Resp: 1798432
Ion Ratio Lower Upper
45 100
46 36.8 14.6 58.4



#15
Acetone
Concen: 15.950 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion: 43 Resp: 2662764
Ion Ratio Lower Upper
43 100
58 26.6 21.4 32.0

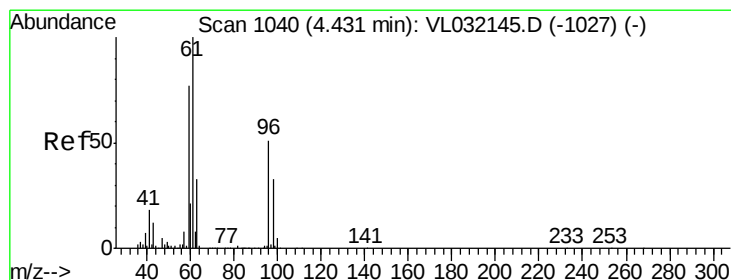
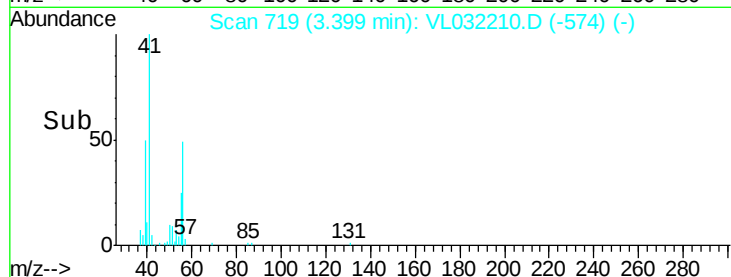
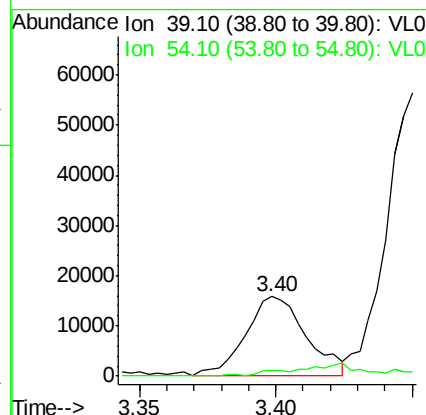
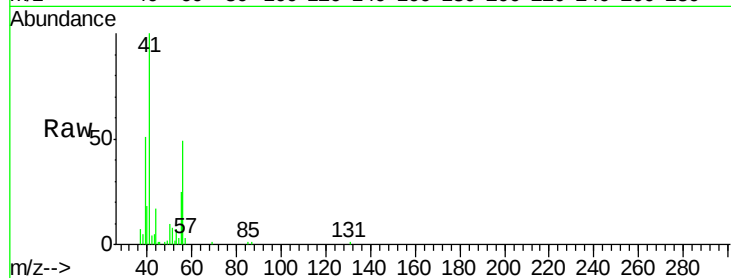




#16
 1,3-Butadiene
 Concen: 0.308 ppbv
 RT: 3.40 min Scan# 719
 Delta R.T. -0.03 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

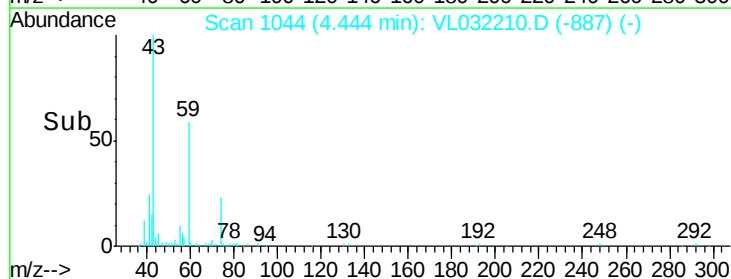
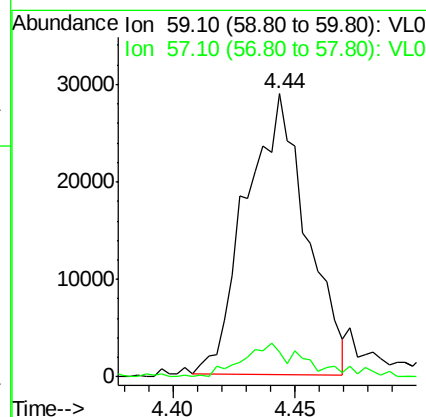
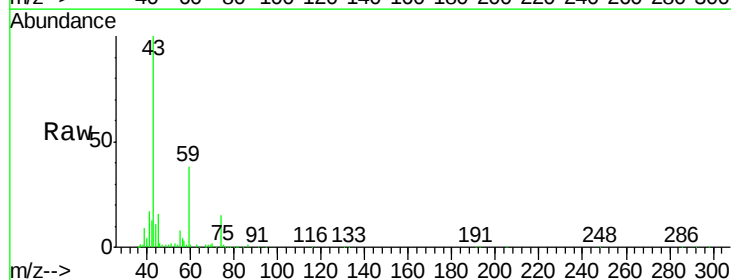
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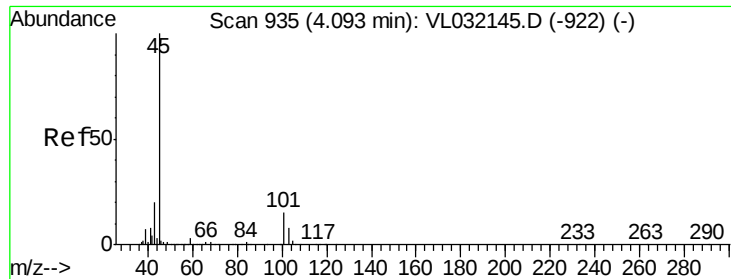
Tgt Ion: 39 Resp: 24539
 Ion Ratio Lower Upper
 39 100
 54 16.6 75.8 113.6#



#17
 tert-Butyl alcohol
 Concen: 0.467 ppbv
 RT: 4.44 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Tgt Ion: 59 Resp: 49607
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 14.363 ppbv

RT: 4.10 min Scan# 936

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

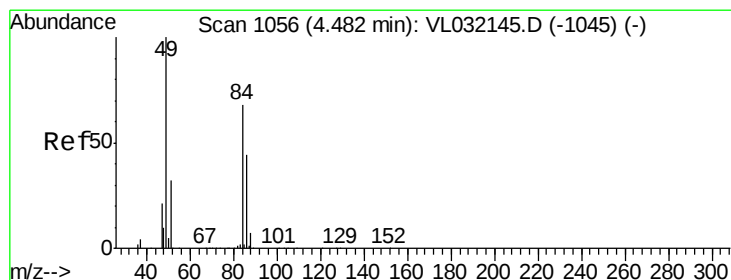
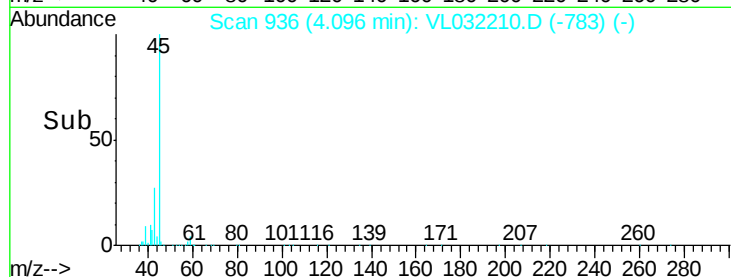
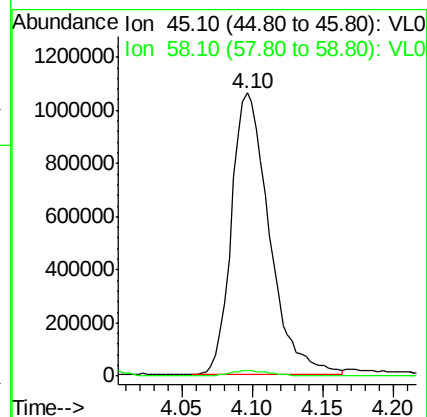
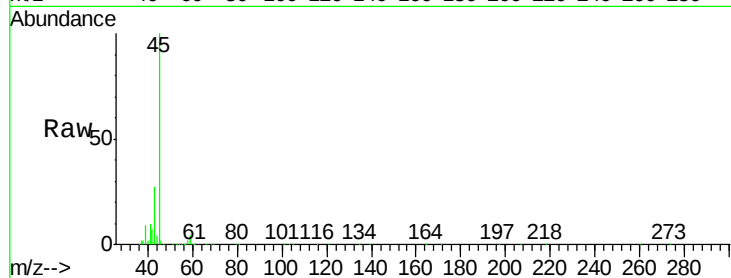
539I

Tgt Ion: 45 Resp: 1992344

Ion Ratio Lower Upper

45 100

58 2.1 29.4 44.0#



#20

Methylene Chloride

Concen: 4.466 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Tgt Ion: 84 Resp: 272483

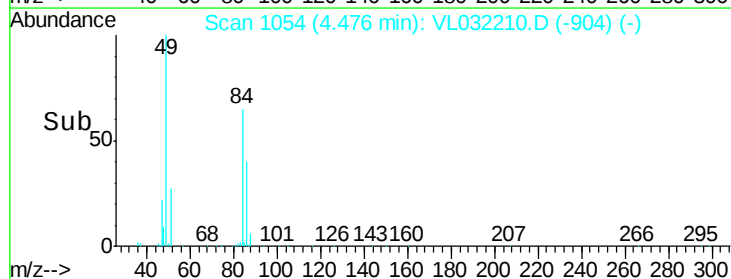
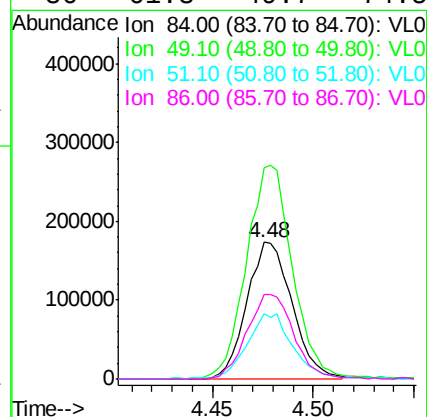
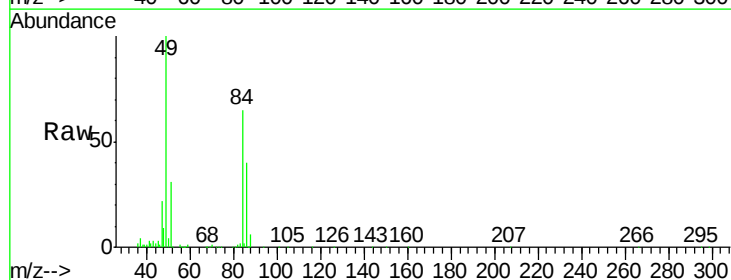
Ion Ratio Lower Upper

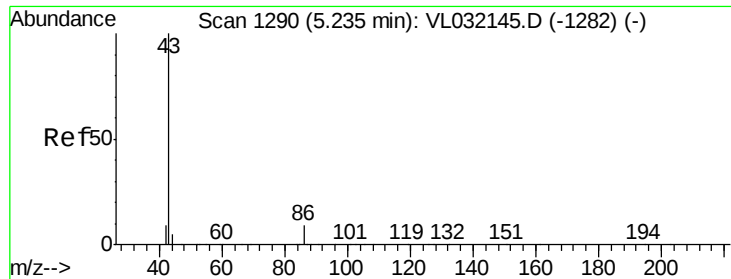
84 100

49 153.6 119.6 179.4

51 46.9 36.3 54.5

86 61.3 49.7 74.5





#23

Vinyl Acetate

Concen: 0.636 ppbv

RT: 5.22 min Scan# 1285

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

539I

Tgt Ion: 43 Resp: 192648

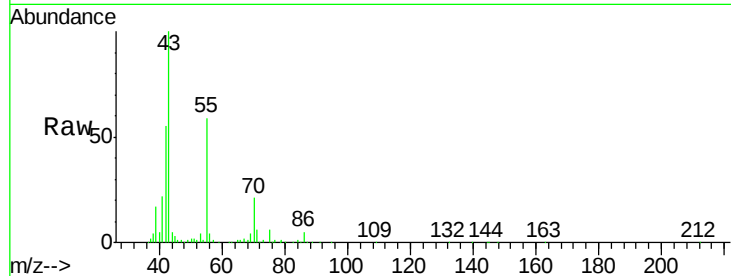
Ion Ratio Lower Upper

43 100

86 5.2 6.2 9.4#

42 54.7 6.9 10.3#

44 2.5 3.8 5.8#

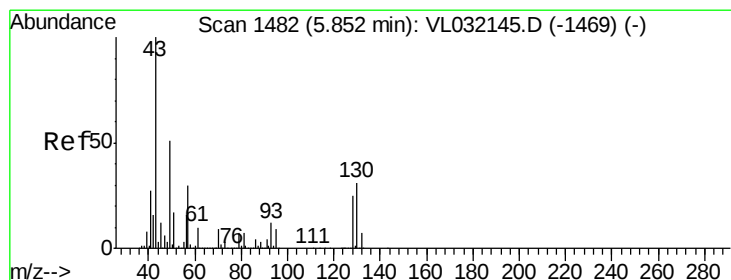
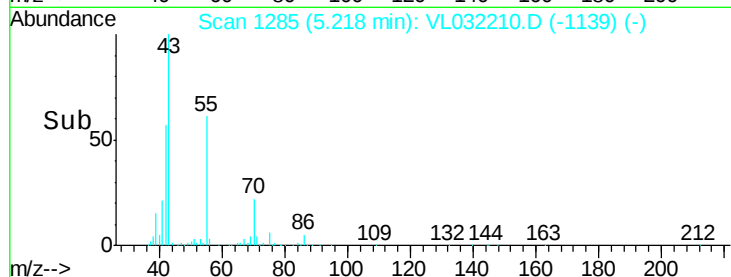
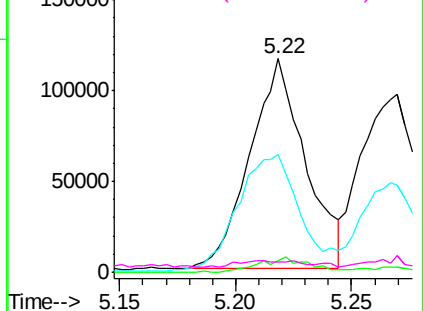


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 5.024 ppbv

RT: 5.86 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Tgt Ion: 43 Resp: 1735346

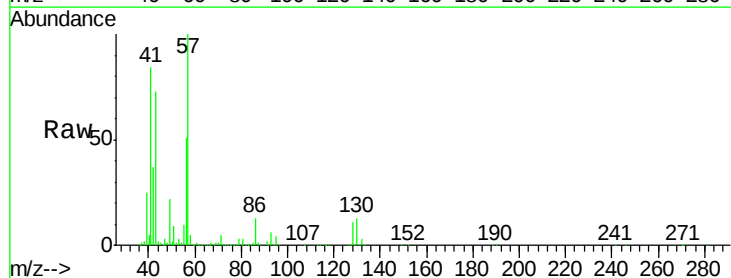
Ion Ratio Lower Upper

43 100

45 2.3 7.8 11.8#

61 2.0 7.4 11.0#

70 2.6 6.1 9.1#

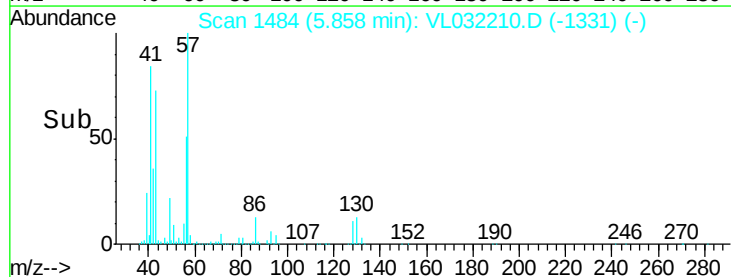
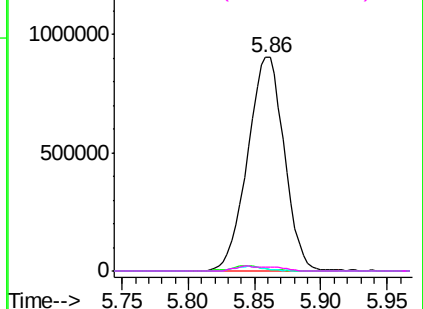


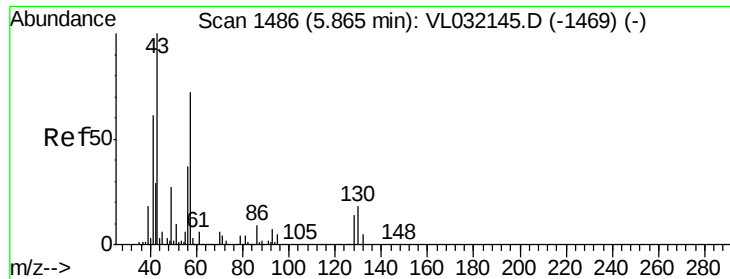
Abundance Ion 43.10 (42.80 to 43.80): VL0

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



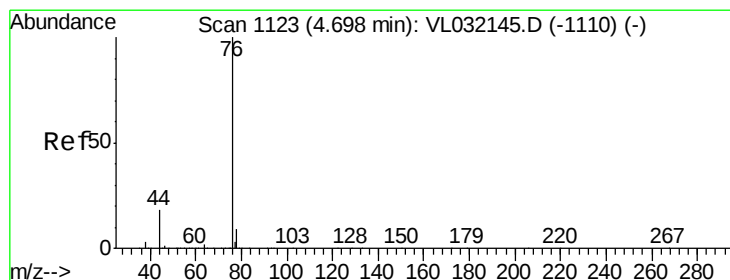
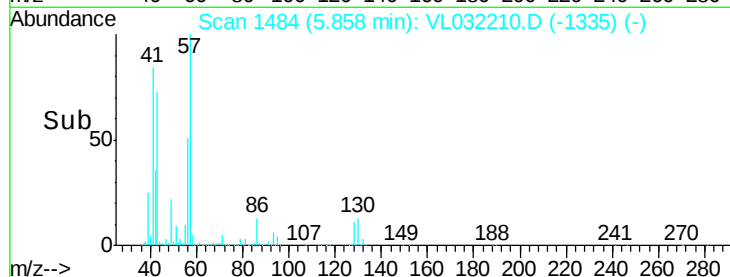
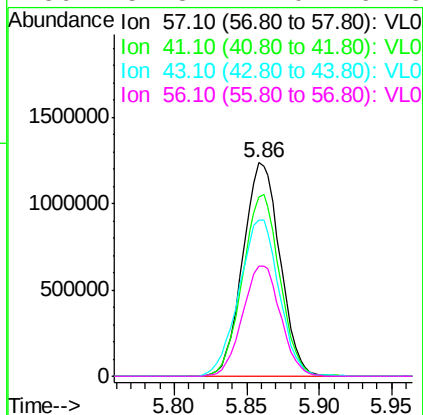
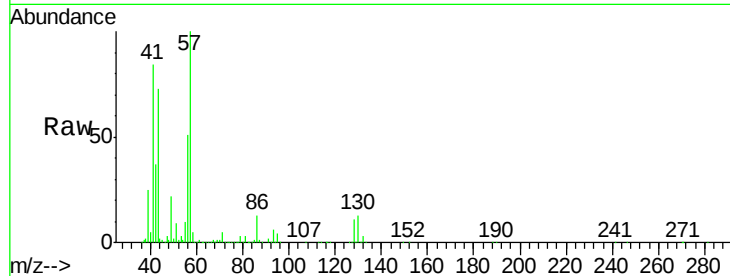


#26
Hexane
Concen: 13.847 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
539I

Tgt Ion: 57 Resp: 2202441

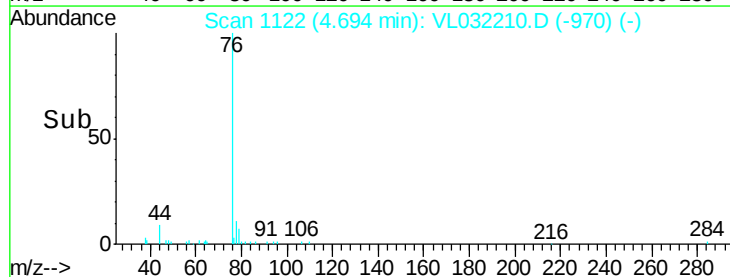
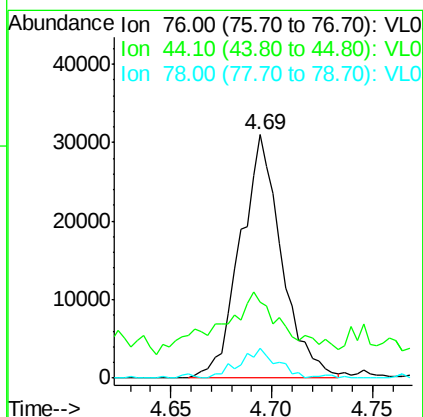
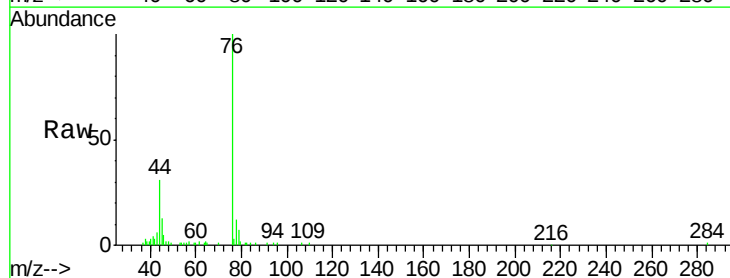
Ion	Ratio	Lower	Upper
57	100		
41	85.0	68.6	103.0
43	78.9	168.6	252.8#
56	52.8	41.0	61.6

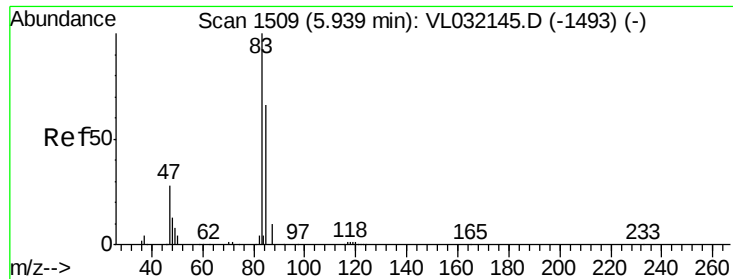


#27
Carbon Disulfide
Concen: 0.281 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion: 76 Resp: 44450

Ion	Ratio	Lower	Upper
76	100		
44	31.2	15.1	22.7#
78	12.1	7.2	10.8#





#29

Chloroform

Concen: 0.096 ppbv

RT: 5.93 min Scan# 1505

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampled :

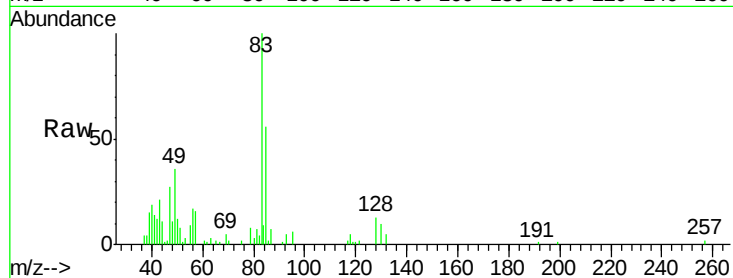
539I

Tgt Ion: 83 Resp: 22275

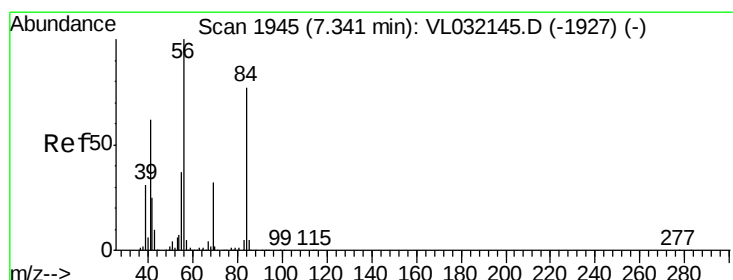
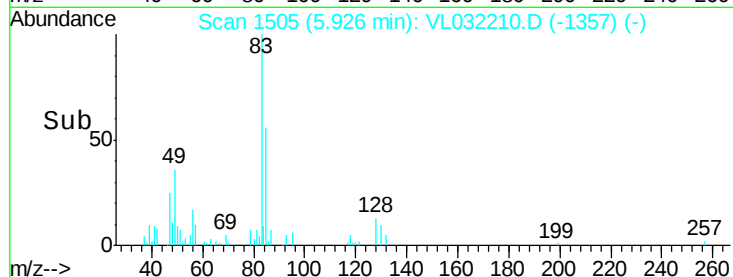
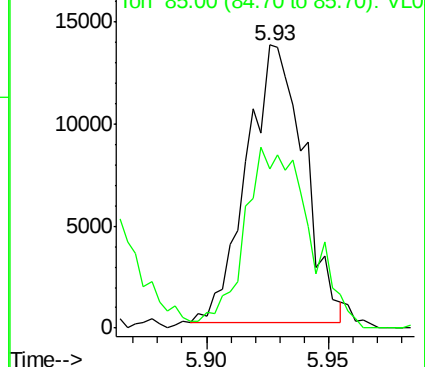
Ion Ratio Lower Upper

83 100

85 54.8 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0



#30

Cyclohexane

Concen: 0.476 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

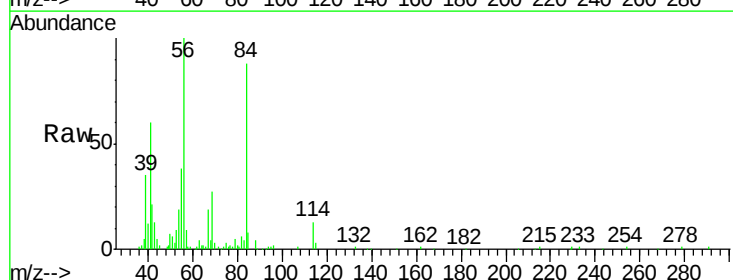
Tgt Ion: 84 Resp: 71299

Ion Ratio Lower Upper

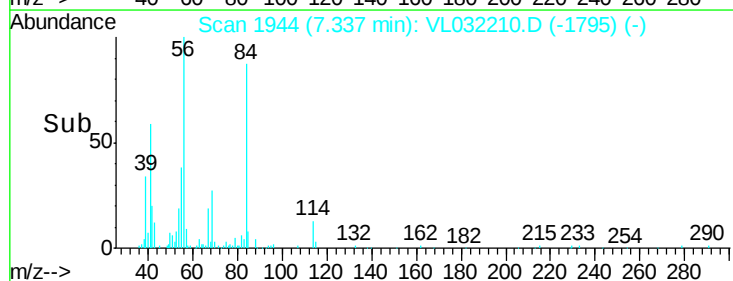
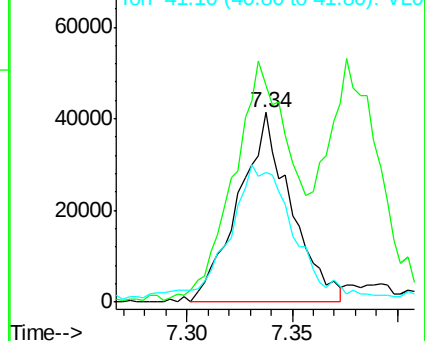
84 100

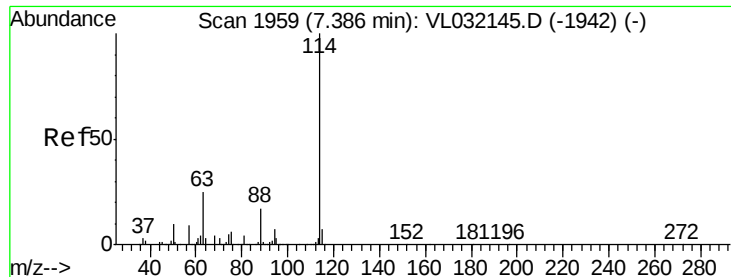
56 132.3 109.1 163.7

41 87.0 64.6 96.8



Abundance Ion 84.20 (83.90 to 84.90): VL0

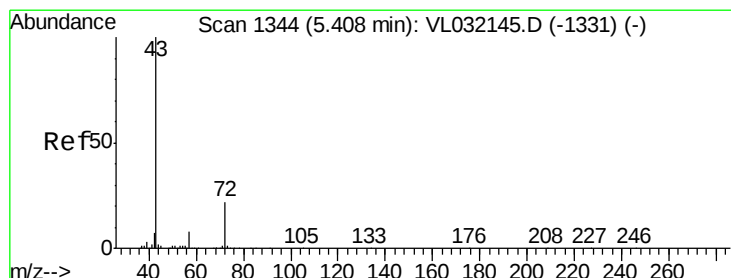
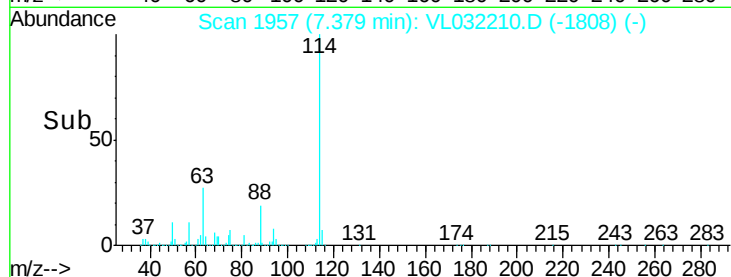
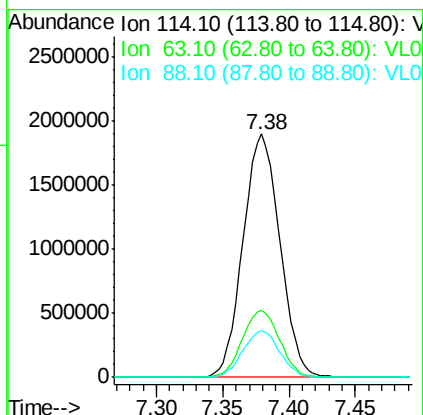
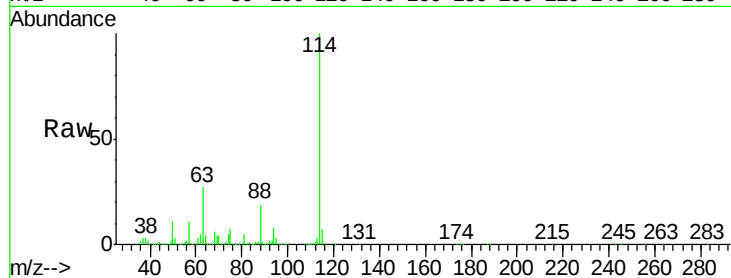




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

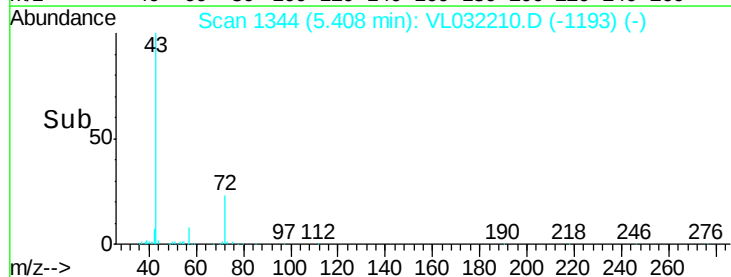
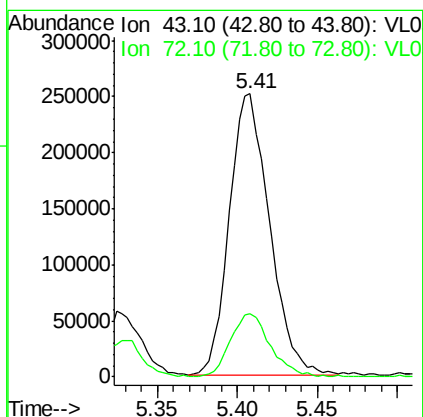
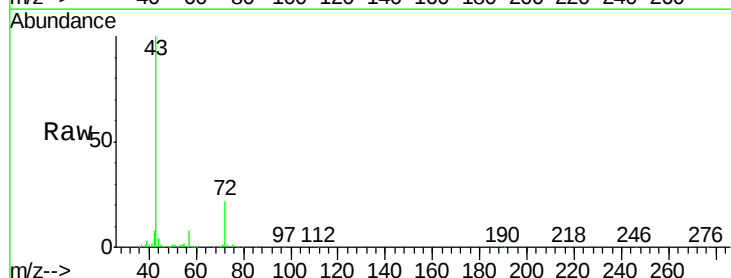
Instrument :
 MSVOA_L
 ClientSampleId :
 539I

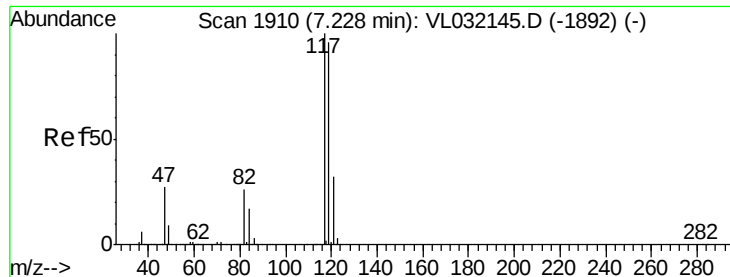
Tgt Ion:114 Resp: 3670745
 Ion Ratio Lower Upper
 114 100
 63 27.9 19.1 28.7
 88 19.3 13.9 20.9



#34
 2-Butanone
 Concen: 1.840 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Tgt Ion: 43 Resp: 428619
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.040 ppbv

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

539I

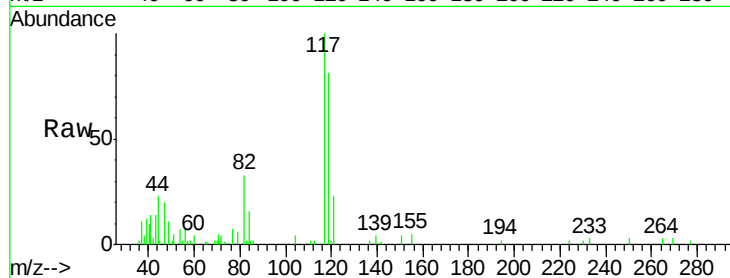
Tgt Ion:117 Resp: 10139

Ion Ratio Lower Upper

117 100

119 82.5 74.8 112.2

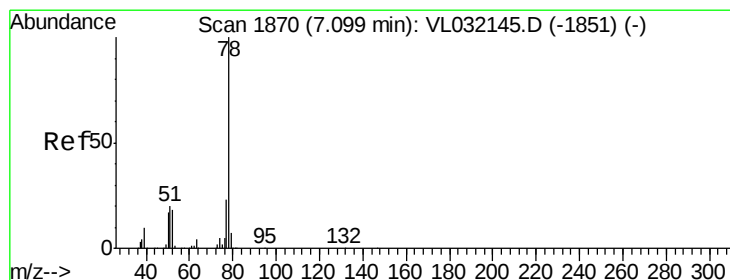
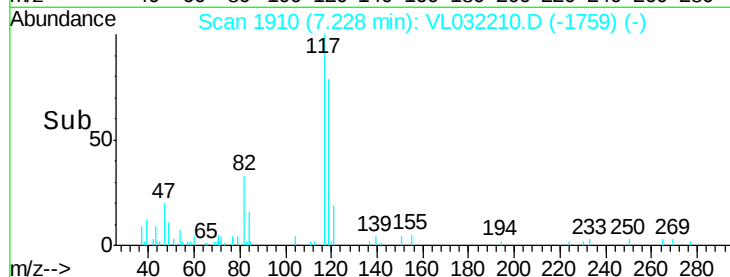
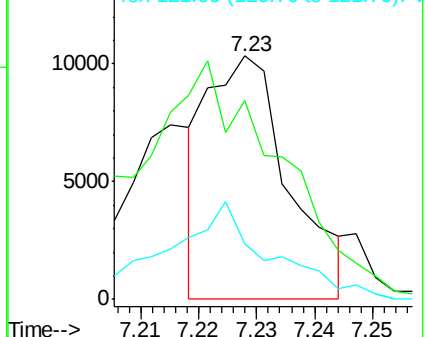
121 25.0 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.540 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

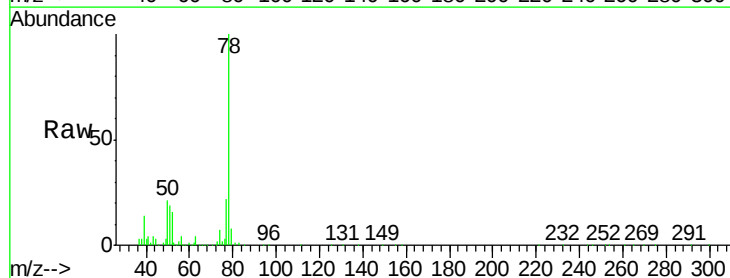
Tgt Ion: 78 Resp: 191675

Ion Ratio Lower Upper

78 100

77 22.1 17.7 26.5

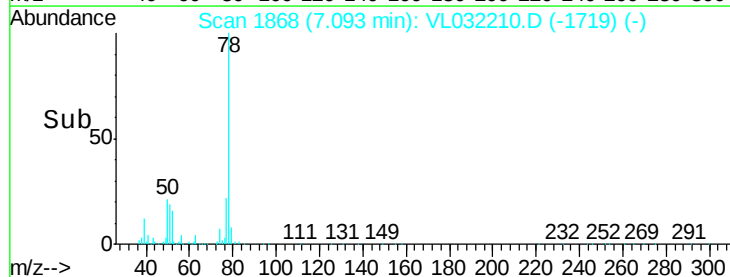
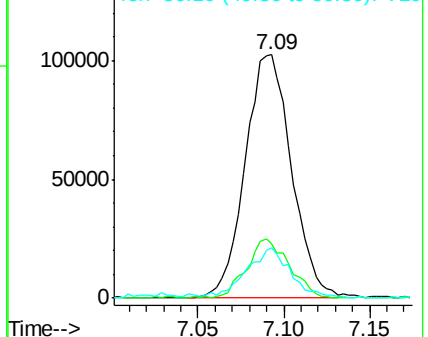
50 19.6 14.0 21.0

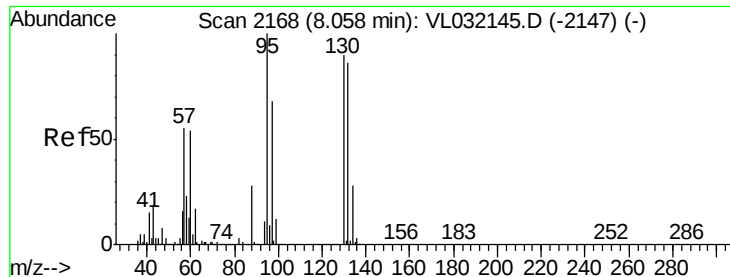


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.570 ppbv

RT: 8.05 min Scan# 2166

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

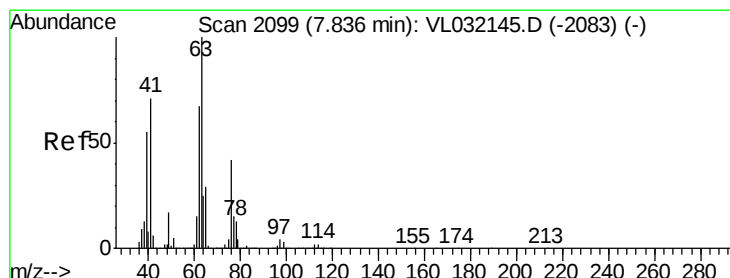
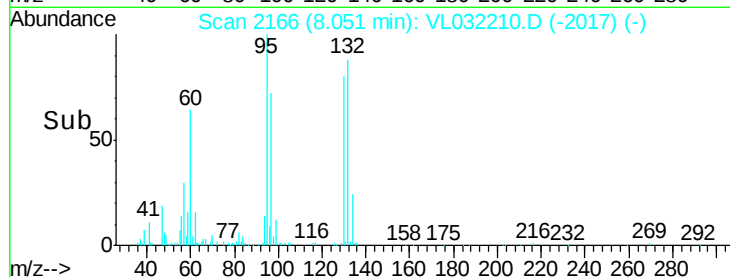
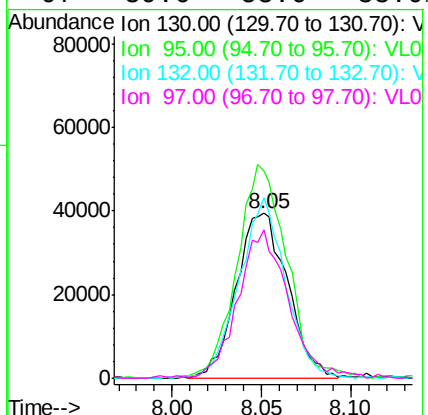
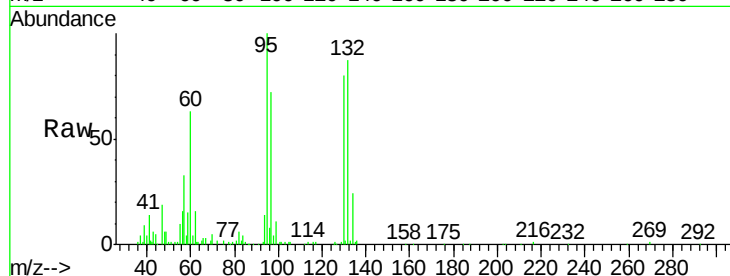
Instrument :

MSVOA_L

ClientSampleId :

539I

Tgt Ion:	130	Resp:	79137
Ion	Ratio	Lower	Upper
130	100		
95	123.9	88.1	132.1
132	110.1	74.6	112.0
97	89.6	58.6	88.0#



#39

1,2-Dichloropropane

Concen: 7.178 ppbv

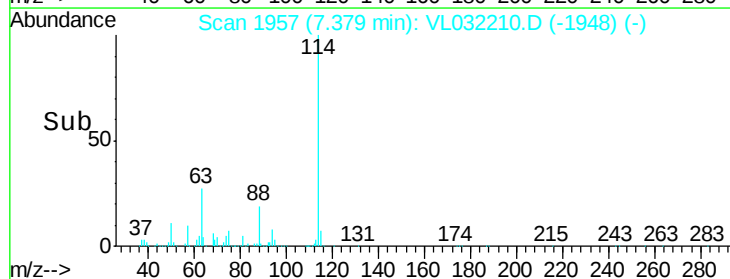
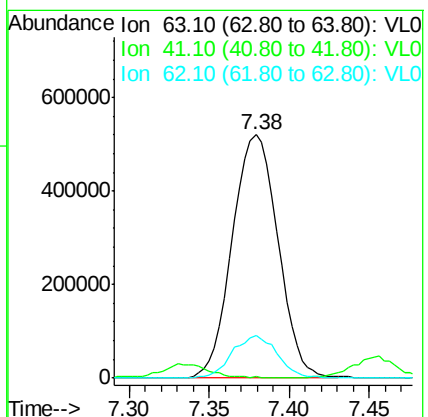
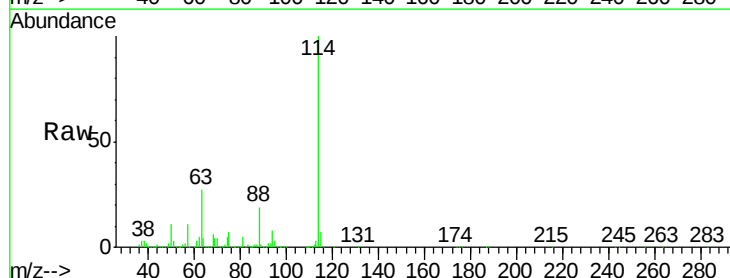
RT: 7.38 min Scan# 1957

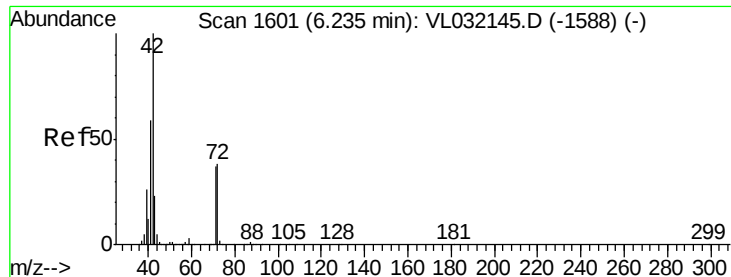
Delta R.T. -0.47 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Tgt Ion:	63	Resp:	1005764
Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.3	79.9#
62	17.6	54.8	82.2#

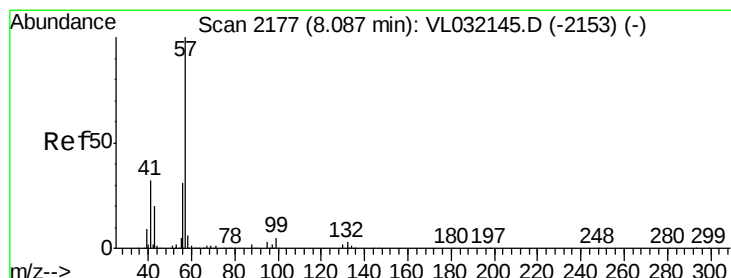
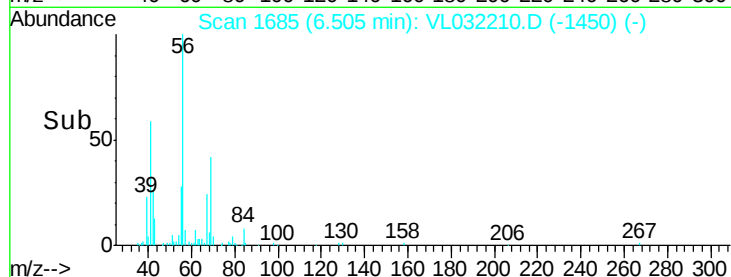
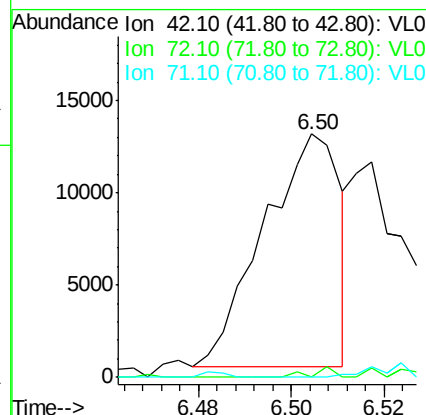
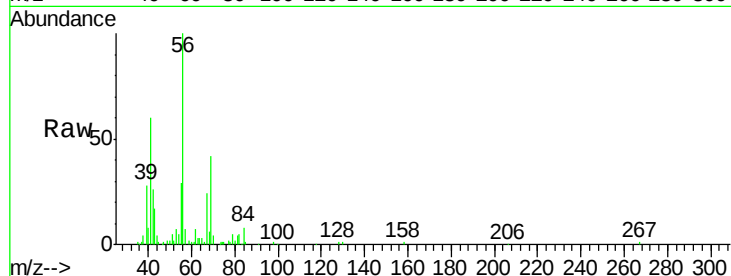




#41
Tetrahydrofuran
Concen: 0.104 ppbv
RT: 6.50 min Scan# 1685
Delta R.T. 0.26 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

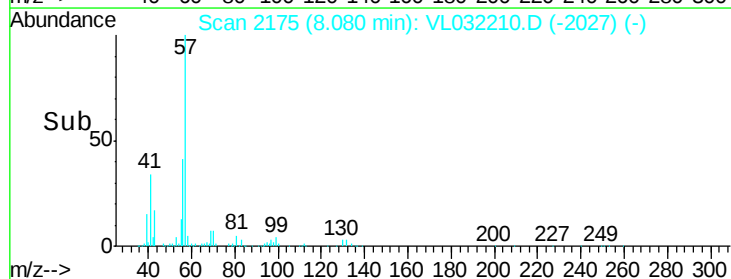
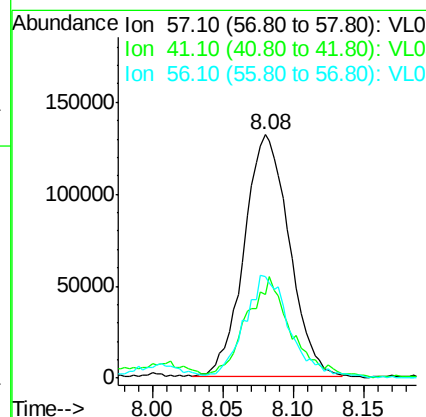
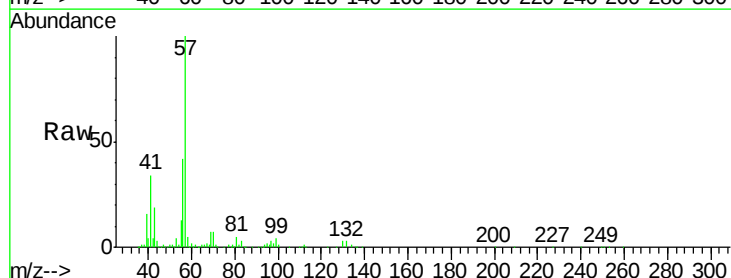
Instrument :
MSVOA_L
ClientSampleId :
5391

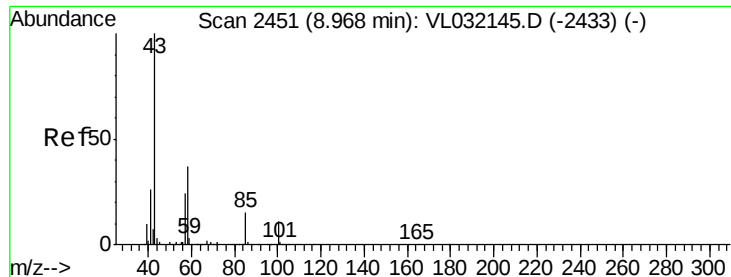
Tgt Ion: 42 Resp: 14500
Ion Ratio Lower Upper
42 100
72 3.0 31.1 46.7#
71 0.0 29.5 44.3#



#44
2,2,4-Trimethylpentane
Concen: 0.476 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion: 57 Resp: 295896
Ion Ratio Lower Upper
57 100
41 40.5 24.3 36.5#
56 42.9 25.1 37.7#

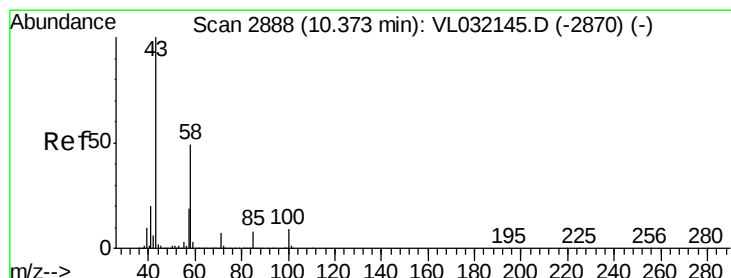
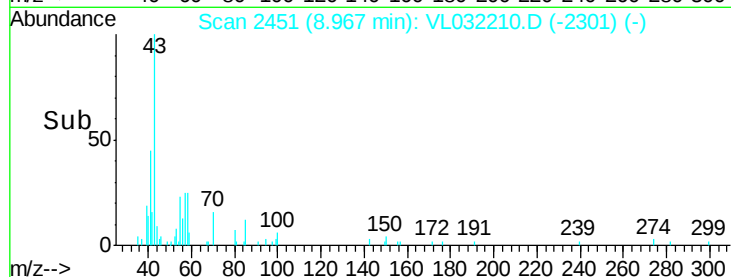
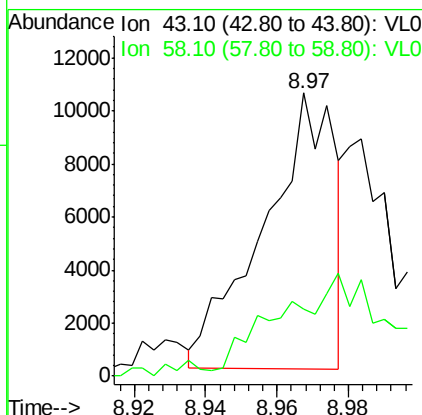
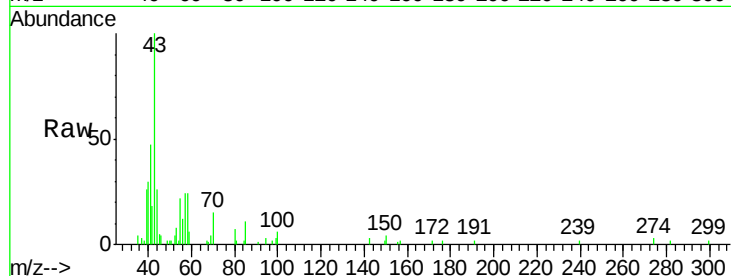




#50
 4-Methyl-2-Pentanone
 Concen: 0.037 ppbv
 RT: 8.97 min Scan# 2451
 Delta R.T. -0.02 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

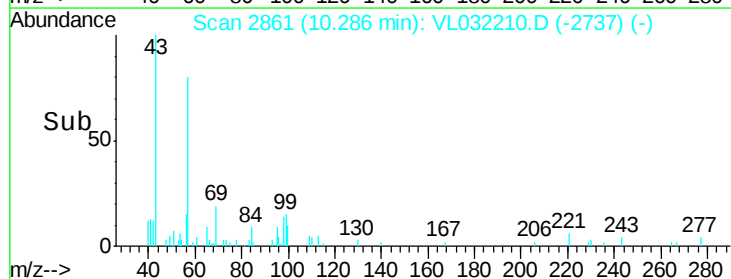
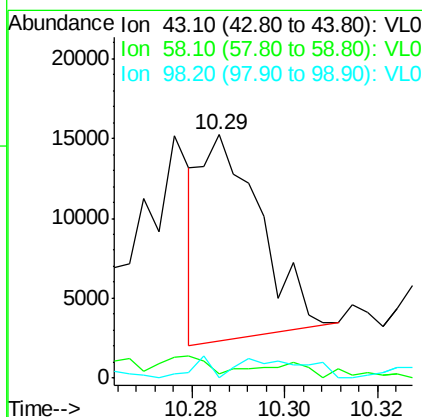
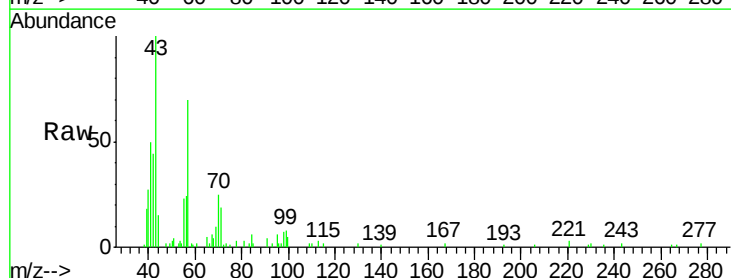
Instrument :
 MSVOA_L
 ClientSampleId :
 539I

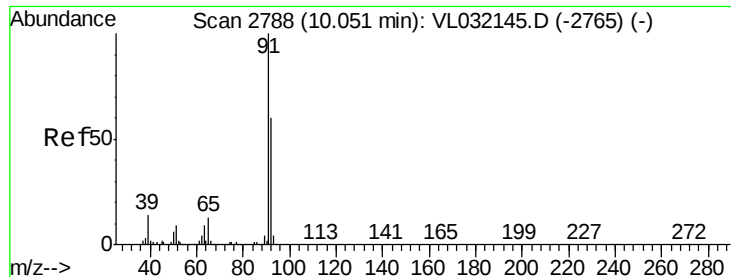
Tgt Ion: 43 Resp: 14309
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.6#



#51
 2-Hexanone
 Concen: 0.036 ppbv
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.10 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Tgt Ion: 43 Resp: 11445
 Ion Ratio Lower Upper
 43 100
 58 25.8 40.6 60.8#
 98 20.4 0.1 0.1#





#53

Toluene

Concen: 1.232 ppbv

RT: 10.04 min Scan# 2784

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

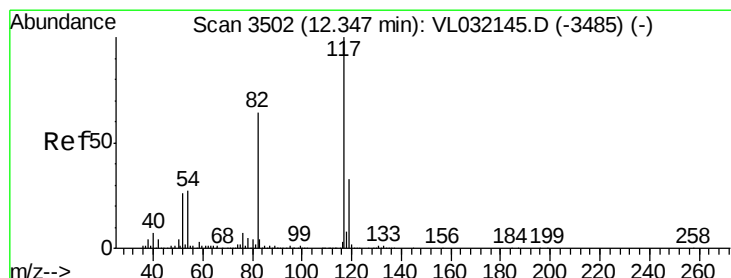
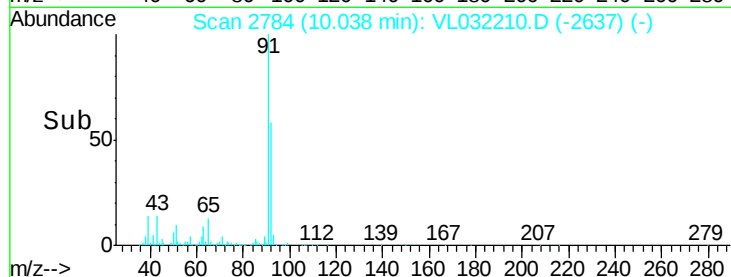
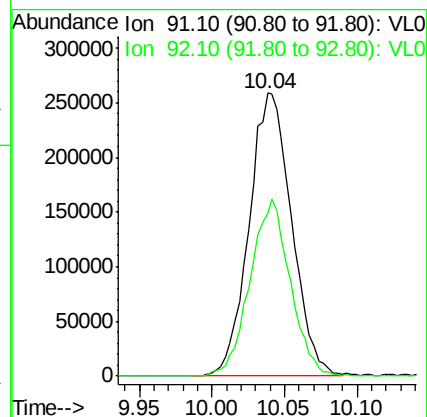
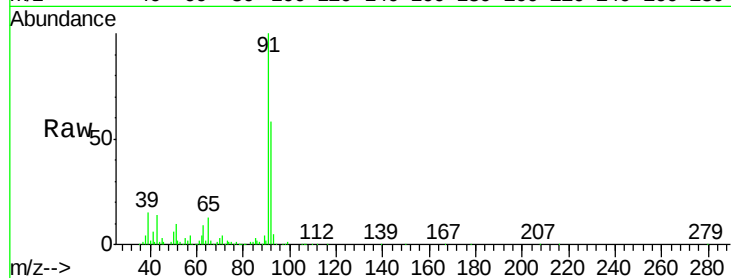
539I

Tgt Ion: 91 Resp: 528969

Ion Ratio Lower Upper

91 100

92 59.1 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.34 min Scan# 3499

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

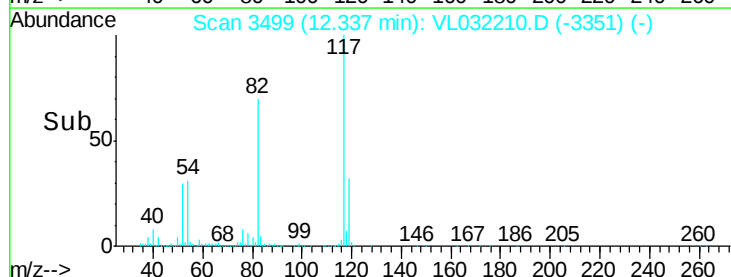
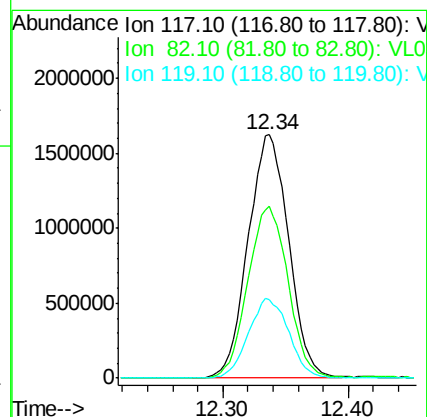
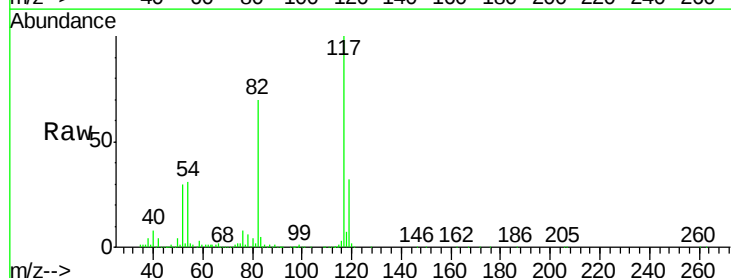
Tgt Ion: 117 Resp: 3651011

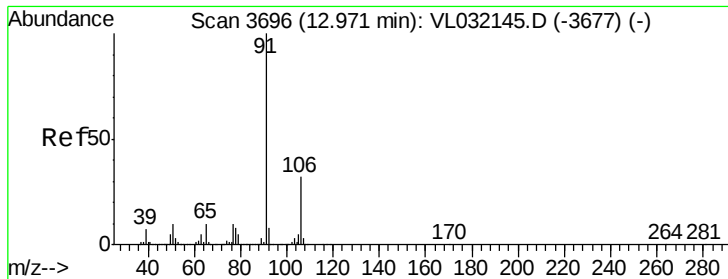
Ion Ratio Lower Upper

117 100

82 70.2 47.8 71.8

119 32.6 43.3 64.9#





#58

Ethyl Benzene

Concen: 0.338 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

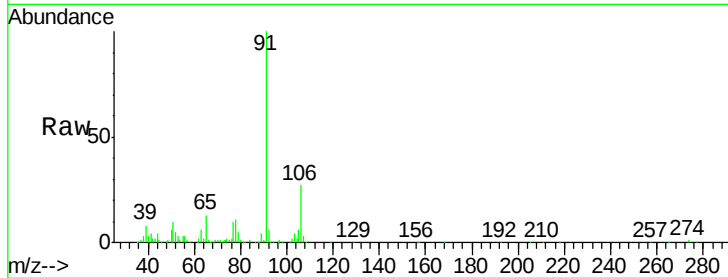
539I

Tgt Ion: 91 Resp: 198626

Ion Ratio Lower Upper

91 100

106 27.1 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.95

100000

80000

60000

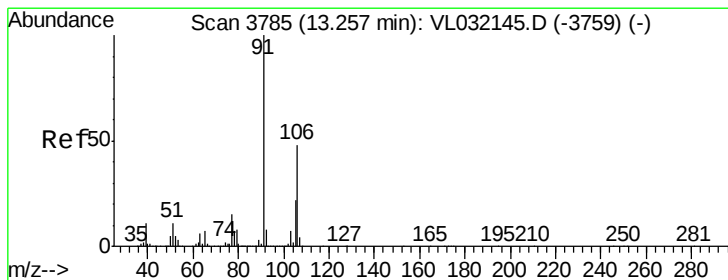
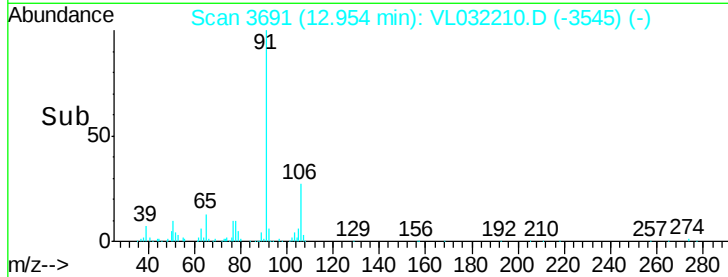
40000

20000

0

Time-->

12.90 12.95 13.00



#59

m/p-Xylene

Concen: 1.196 ppbv

RT: 13.21 min Scan# 3772

Delta R.T. -0.05 min

Lab File: VL032210.D

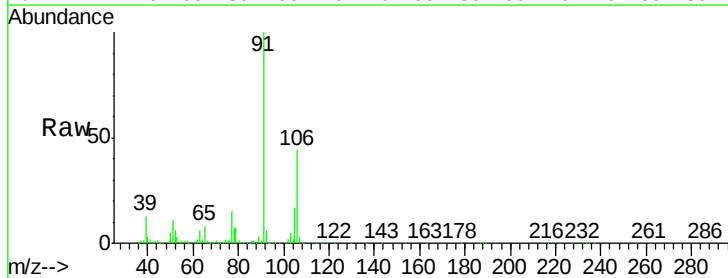
Acq: 5 Jul 2018 19:25

Tgt Ion: 91 Resp: 563975

Ion Ratio Lower Upper

91 100

106 44.6 38.6 58.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.21

200000

150000

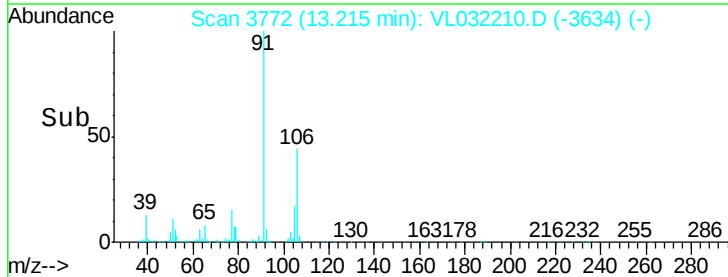
100000

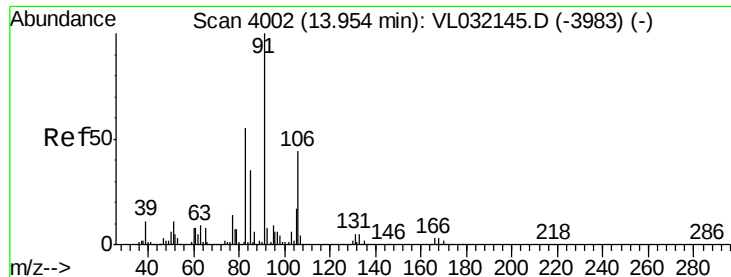
50000

0

Time-->

13.10 13.20 13.30





#60

o-Xylene

Concen: 0.508 ppbv

RT: 13.94 min Scan# 3999

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

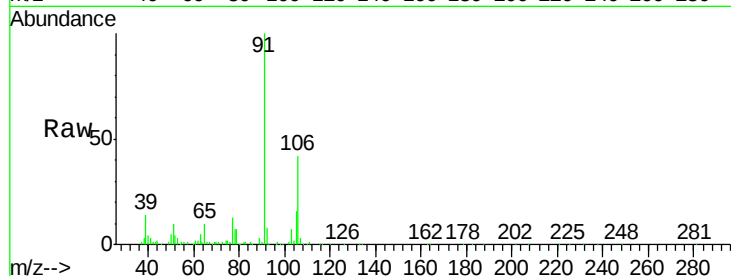
539I

Tgt Ion: 91 Resp: 238930

Ion Ratio Lower Upper

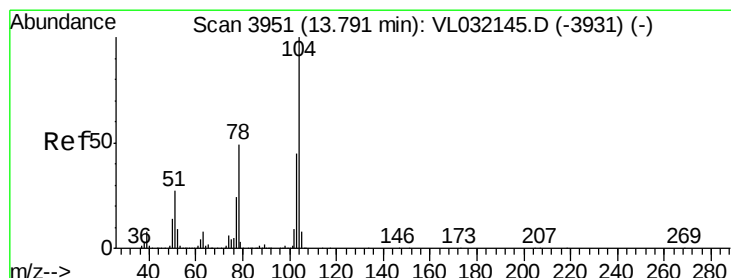
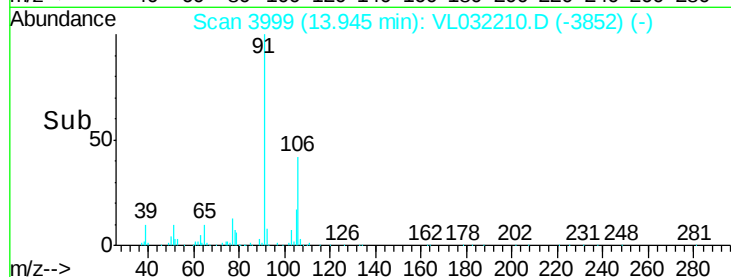
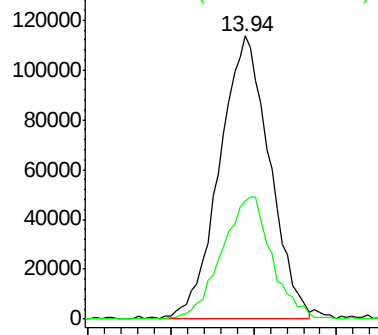
91 100

106 43.4 23.3 69.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.037 ppbv

RT: 13.78 min Scan# 3947

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

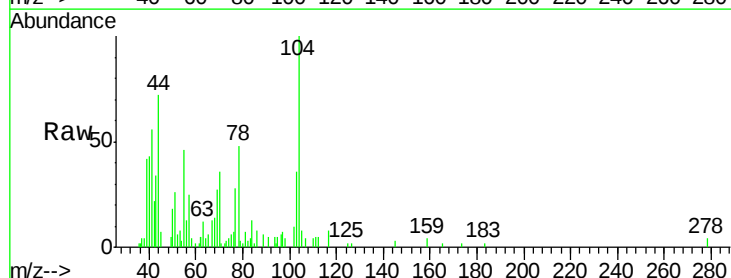
Tgt Ion: 104 Resp: 14247

Ion Ratio Lower Upper

104 100

78 67.4 37.9 56.9#

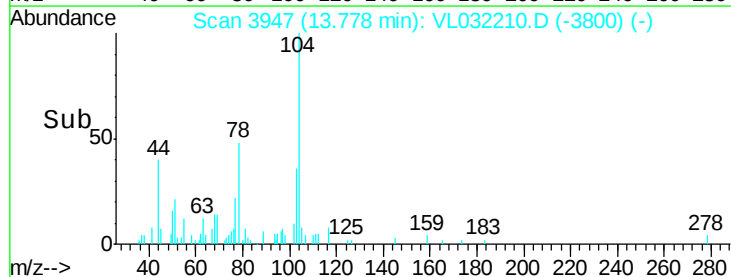
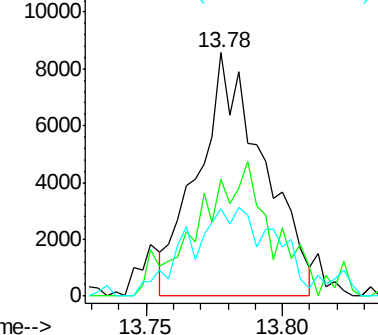
103 52.8 36.6 55.0

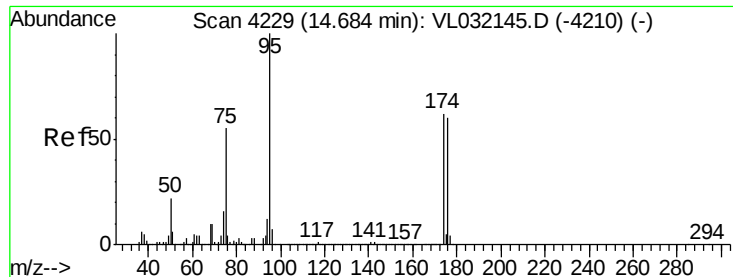


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

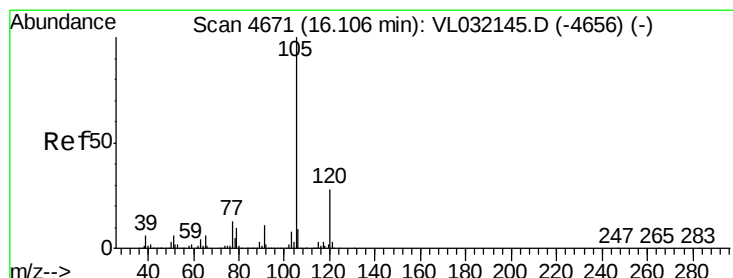
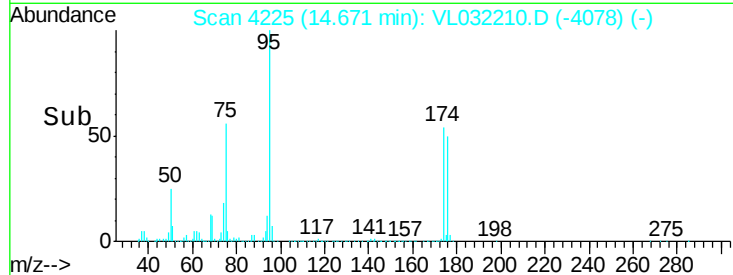
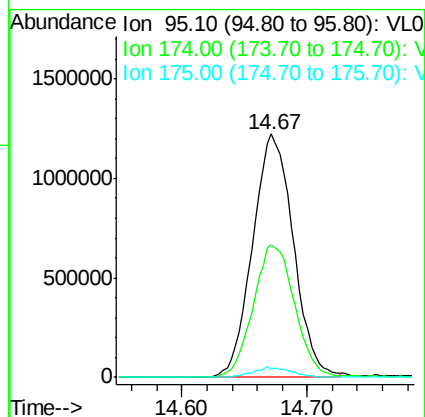
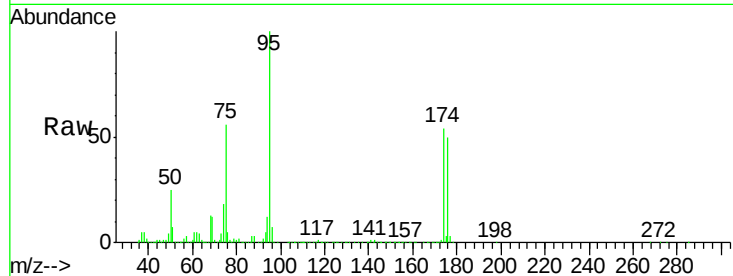




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.896 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.03 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

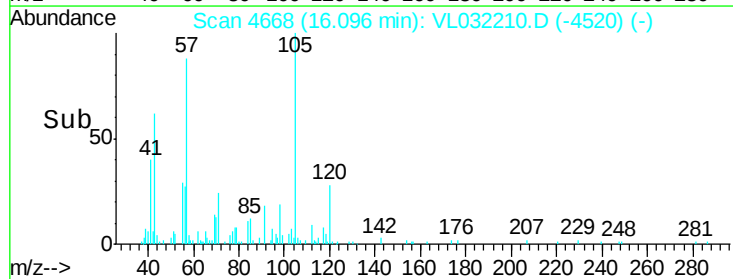
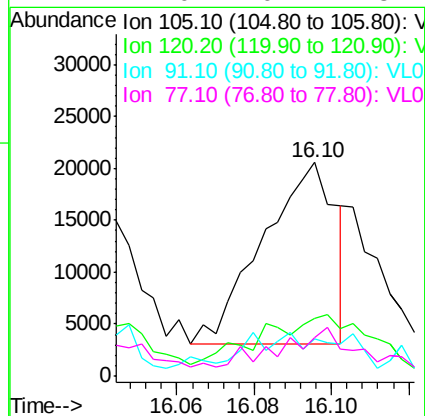
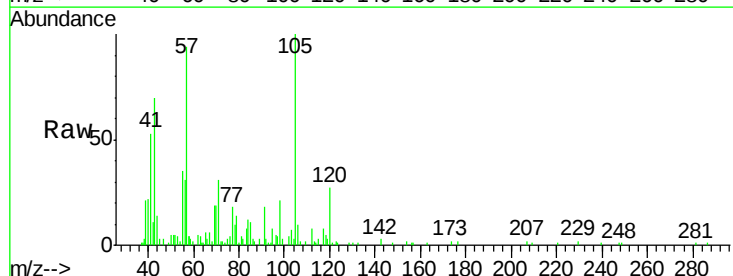
Instrument :
 MSVOA_L
 ClientSampleId :
 539I

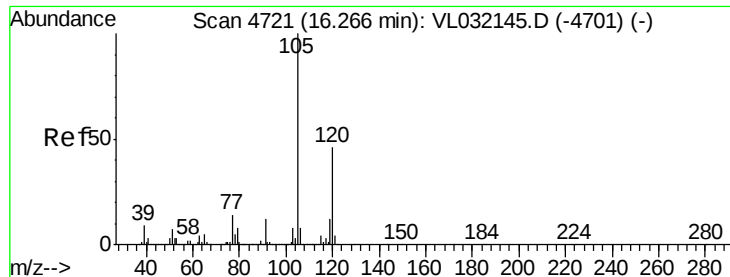
Tgt Ion: 95 Resp: 2761792
 Ion Ratio Lower Upper
 95 100
 174 55.8 52.1 78.1
 175 4.0 4.0 6.0#



#72
 4-Ethyltoluene
 Concen: 0.038 ppbv
 RT: 16.10 min Scan# 4668
 Delta R.T. -0.02 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Tgt Ion: 105 Resp: 22870
 Ion Ratio Lower Upper
 105 100
 120 56.9 24.3 36.5#
 91 29.9 9.4 14.0#
 77 41.0 10.2 15.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.092 ppbv

RT: 16.25 min Scan# 4715

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

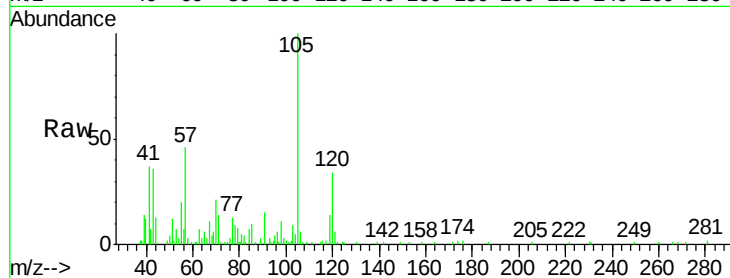
539I

Tgt Ion:105 Resp: 52728

Ion Ratio Lower Upper

105 100

120 35.1 38.6 57.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.25

25000

20000

15000

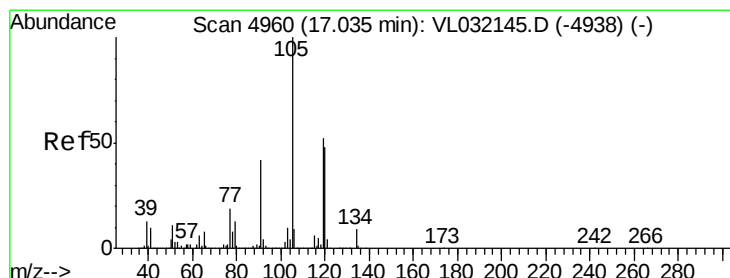
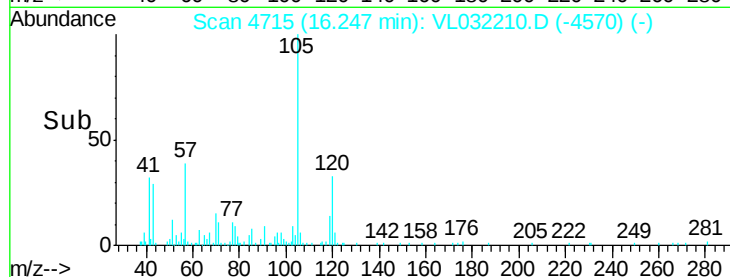
10000

5000

0

Time-->

16.20 16.25 16.30



#74

1,2,4-Trimethylbenzene

Concen: 0.128 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Tgt Ion:105 Resp: 74138

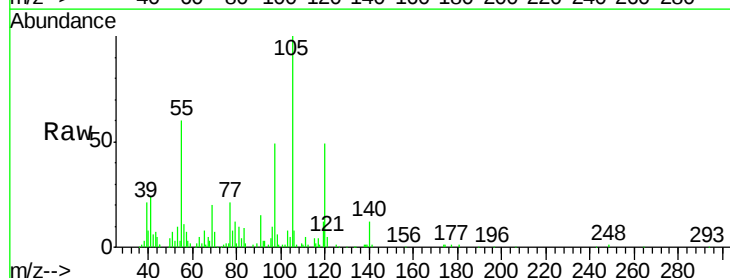
Ion Ratio Lower Upper

105 100

120 49.1 38.8 58.2

91 16.3 33.6 50.4#

77 19.5 16.0 24.0



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

80000

60000

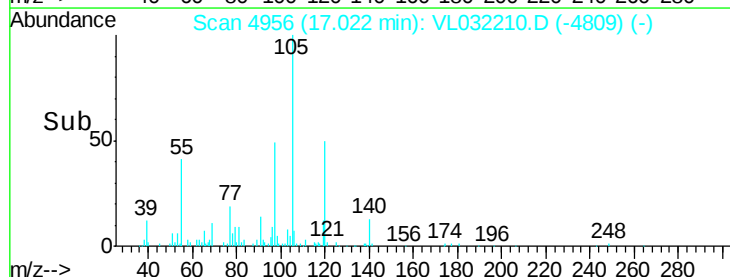
40000

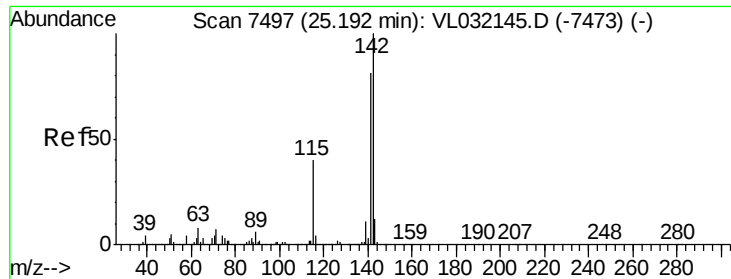
20000

0

Time-->

17.00 17.05 17.10





#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.18 min Scan# 7494

Delta R.T. -0.02 min

Lab File: VL032210.D

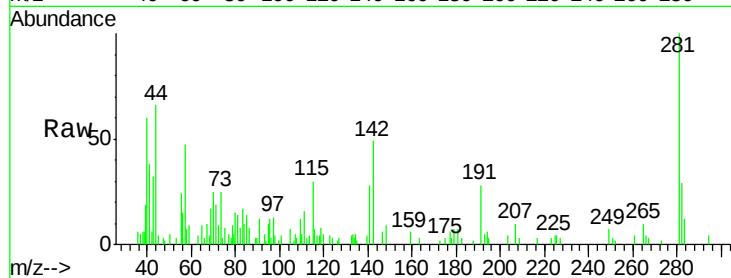
Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

539I



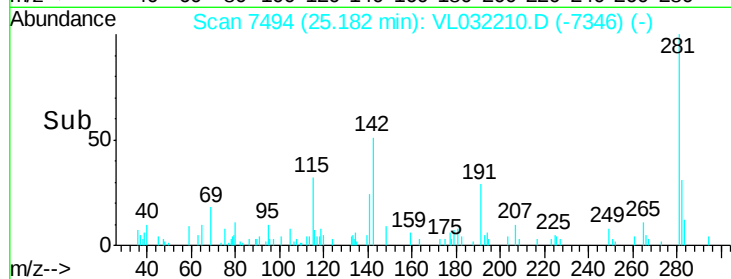
Tgt Ion:142 Resp: 5823

Ion Ratio Lower Upper

142 100

141 93.3 65.8 98.6

115 69.9 29.4 44.0#



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

