

Data File : VL033858.D
Acq On : 30 May 2019 6:13
Operator : SY/AP
Sample : K3067-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-0

Quant Time: May 30 06:51:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	711805	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1642687	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1746037	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1396066	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds

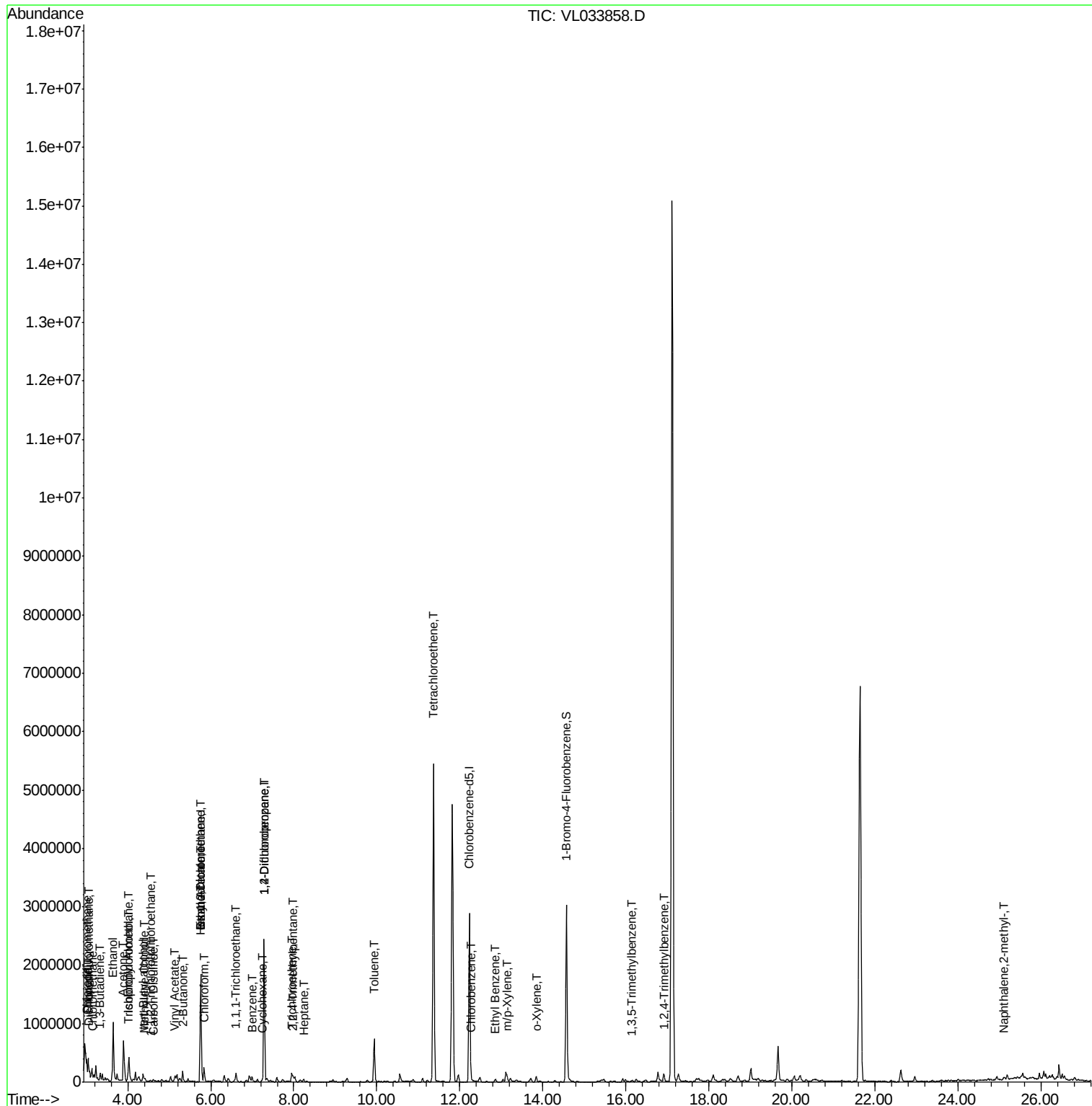
						Qvalue
2) Dichlorodifluoromethane	3.07	85	48437	0.323	ppbv	93
3) Chlorodifluoromethane	3.01	51	61201	0.751	ppbv #	87
4) Chloromethane	3.17	50	13996	0.300	ppbv #	80
9) Propene	3.04	41	5968	0.172	ppbv #	15
10) Heptane	8.24	43	5927	0.060	ppbv #	10
11) Trichlorofluoromethane	4.00	101	41345	0.289	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.54	101	8850	0.089	ppbv	97
13) Ethanol	3.65	45	1000428	89.252	ppbv	99
15) Acetone	3.89	43	698883	7.077	ppbv	99
16) 1,3-Butadiene	3.34	39	13936	0.354	ppbv #	24
17) tert-Butyl alcohol	4.36	59	6424	0.080	ppbv #	72
19) Isopropyl Alcohol	4.02	45	417208	6.552	ppbv #	96
20) Methylene Chloride	4.40	84	11706	0.308	ppbv #	79
23) Vinyl Acetate	5.14	43	43925	0.337	ppbv #	65
25) Ethyl Acetate	5.76	43	188996	1.089	ppbv	97
26) Hexane	5.77	57	112977	1.515	ppbv #	74
27) Carbon Disulfide	4.61	76	11198	0.109	ppbv #	1
29) Chloroform	5.84	83	164254	1.196	ppbv	95
30) Cyclohexane	7.24	84	1962	0.031	ppbv #	1
31) cis-1,2-Dichloroethene	5.76	61	15402	0.208	ppbv #	32
32) 1,1,1-Trichloroethane	6.61	97	49697	0.362	ppbv #	23
34) 2-Butanone	5.33	43	174262	1.711	ppbv	97
36) Benzene	7.00	78	25774	0.172	ppbv	98
38) Trichloroethene	7.95	130	37673	0.679	ppbv	96
39) 1,2-Dichloropropane	7.28	63	440745	7.911	ppbv #	23
44) 2,2,4-Trimethylpentane	7.98	57	46661	0.185	ppbv #	66
52) Tetrachloroethene	11.37	164	1347112	25.646	ppbv	98
53) Toluene	9.94	91	506345	3.142	ppbv	97
57) Chlorobenzene	12.28	112	4796	0.033	ppbv #	94
58) Ethyl Benzene	12.85	91	20654	0.089	ppbv	93
59) m/p-Xylene	13.15	91	21889	0.108	ppbv #	31
60) o-Xylene	13.84	91	68439	0.336	ppbv	97
73) 1,3,5-Trimethylbenzene	16.15	105	15119	0.067	ppbv	95
74) 1,2,4-Trimethylbenzene	16.92	105	76724	0.310	ppbv #	70
80) Naphthalene,2-methyl-	25.11	142	3701	0.042	ppbv #	91

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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Acq: 30 May 2019 6:13

Instrument :

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ClientSampleId :

SG-22-20190523-0

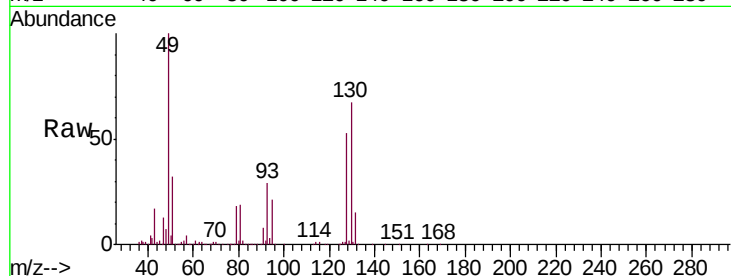
Tgt Ion: 49 Resp: 711805

Ion Ratio Lower Upper

49 100

128 49.7 25.2 75.6

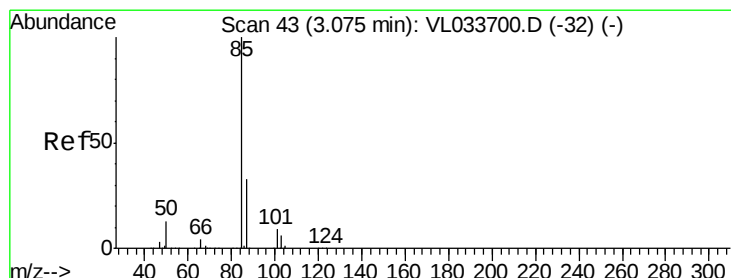
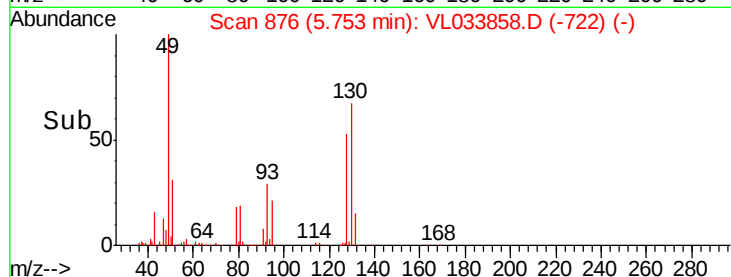
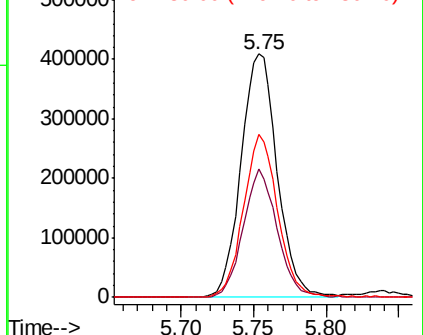
130 63.9 32.5 97.5



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: 0.323 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033858.D

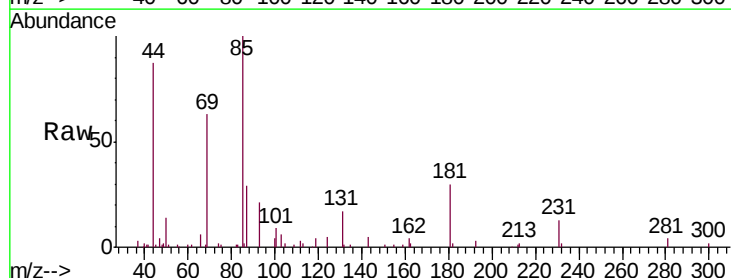
Acq: 30 May 2019 6:13

Tgt Ion: 85 Resp: 48437

Ion Ratio Lower Upper

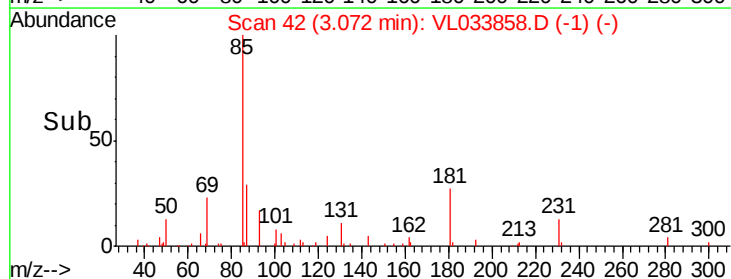
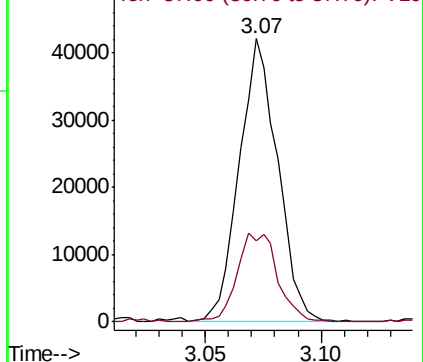
85 100

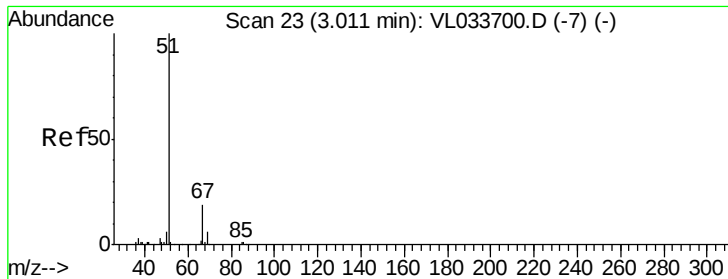
87 28.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.751 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

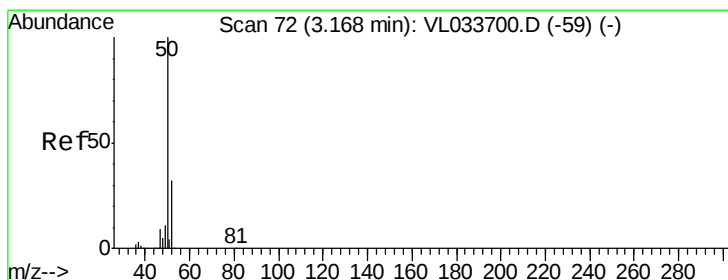
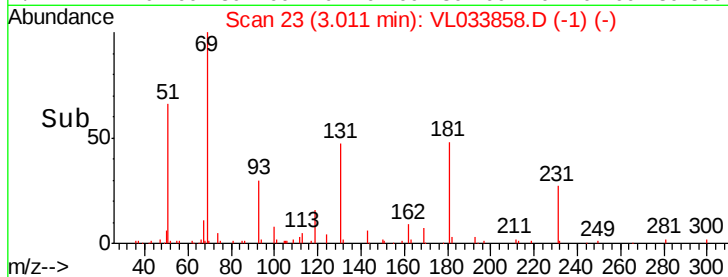
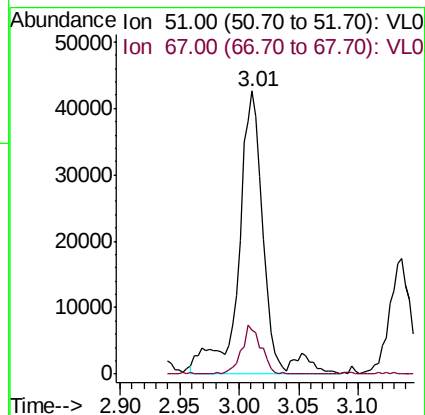
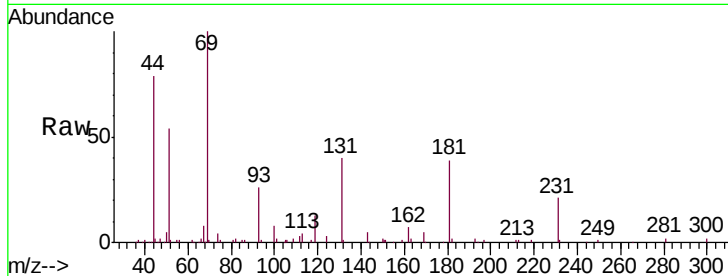
SG-22-20190523-0

Tgt Ion: 51 Resp: 61201

Ion Ratio Lower Upper

51 100

67 13.7 15.6 23.4#



#4

Chloromethane

Concen: 0.300 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033858.D

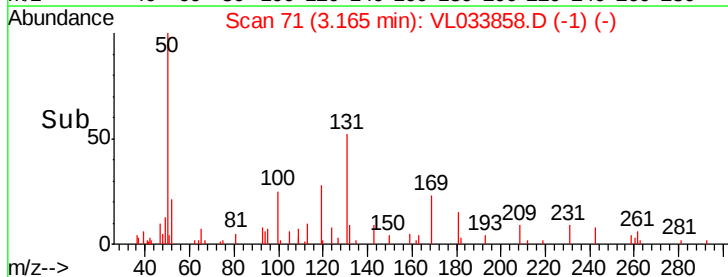
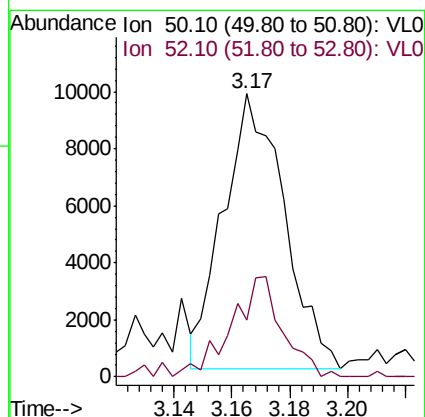
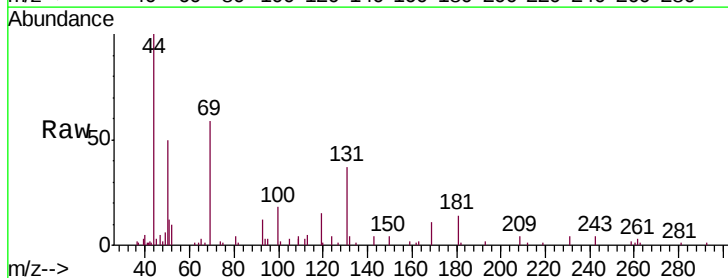
Acq: 30 May 2019 6:13

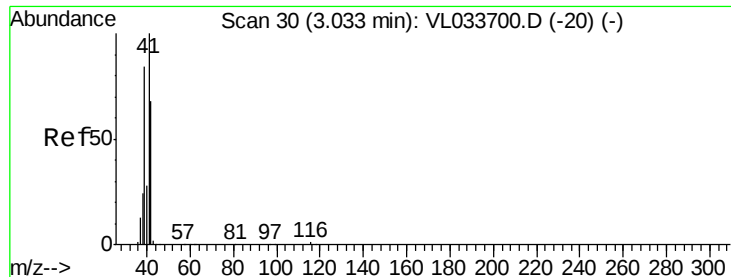
Tgt Ion: 50 Resp: 13996

Ion Ratio Lower Upper

50 100

52 20.8 25.7 38.5#





#9

Propene

Concen: 0.172 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

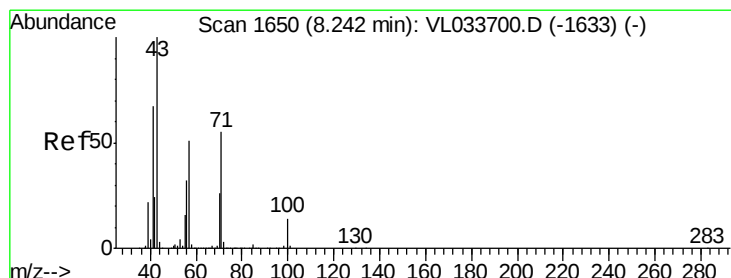
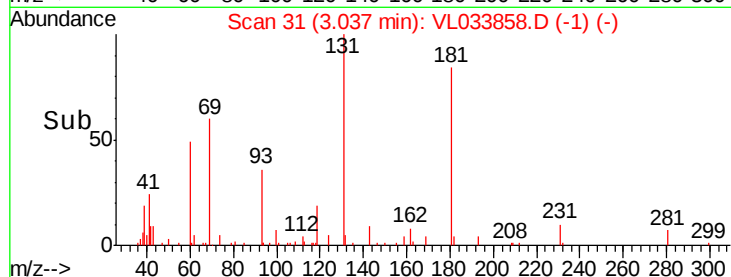
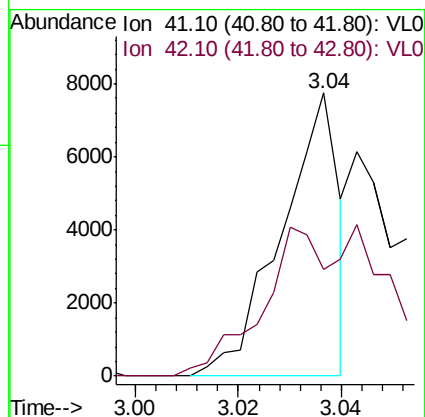
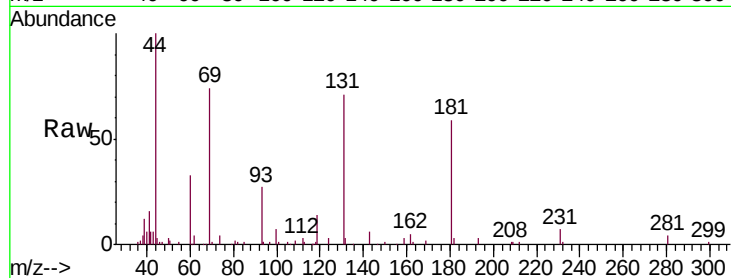
SG-22-20190523-0

Tgt Ion: 41 Resp: 5968

Ion Ratio Lower Upper

41 100

42 0.0 56.1 84.1#



#10

Heptane

Concen: 0.060 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033858.D

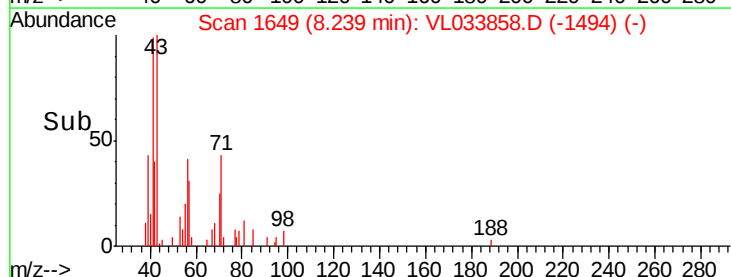
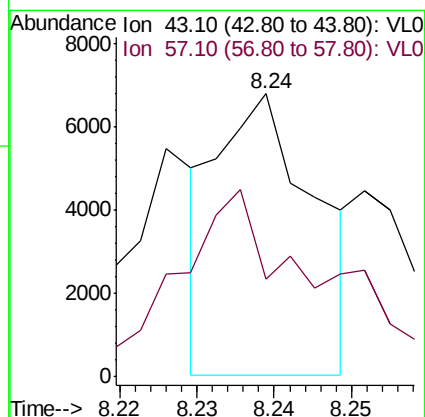
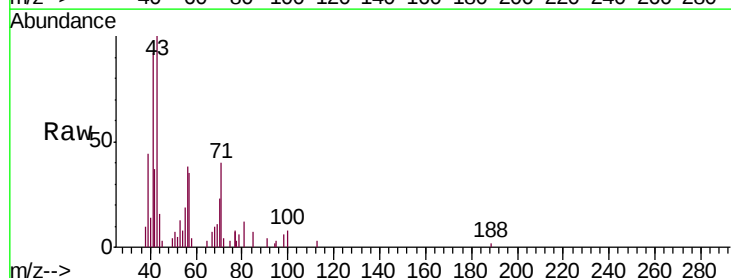
Acq: 30 May 2019 6:13

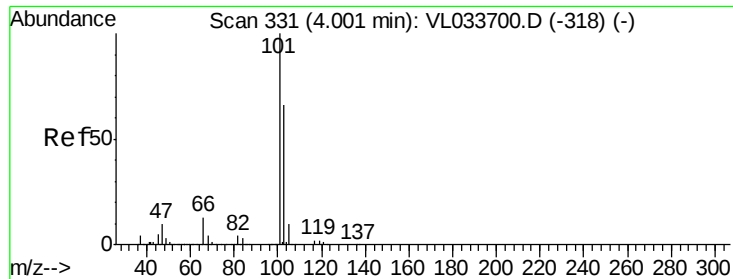
Tgt Ion: 43 Resp: 5927

Ion Ratio Lower Upper

43 100

57 114.5 41.4 62.0#





#11

Trichlorofluoromethane

Concen: 0.289 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

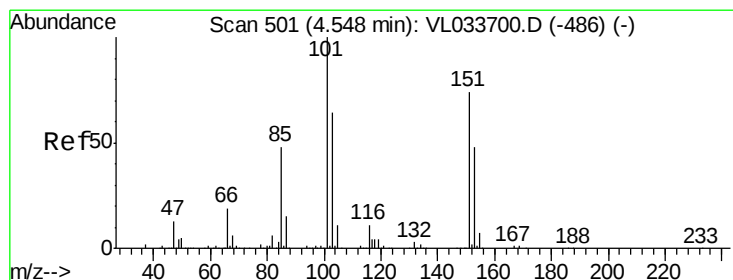
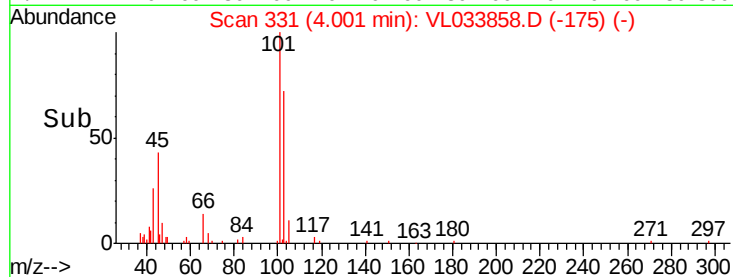
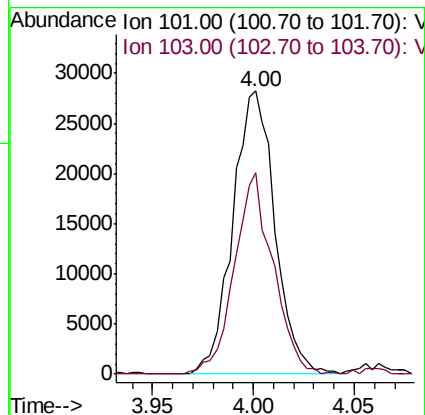
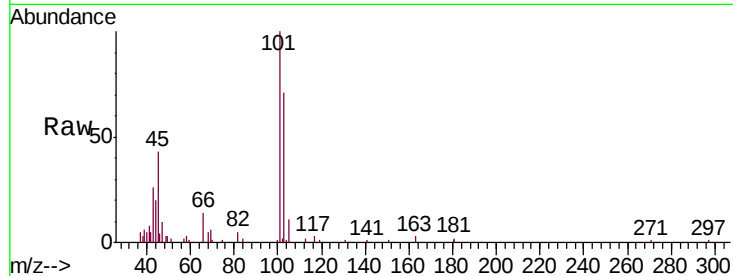
SG-22-20190523-0

Tgt Ion:101 Resp: 41345

Ion Ratio Lower Upper

101 100

103 71.2 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.089 ppbv

RT: 4.54 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL033858.D

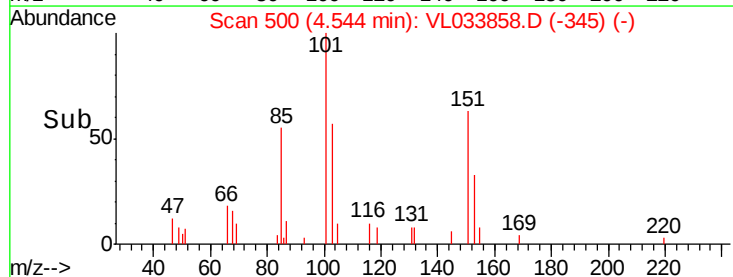
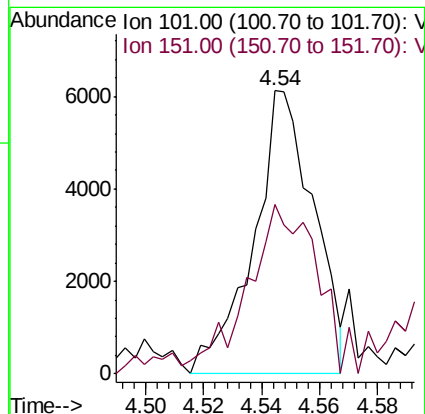
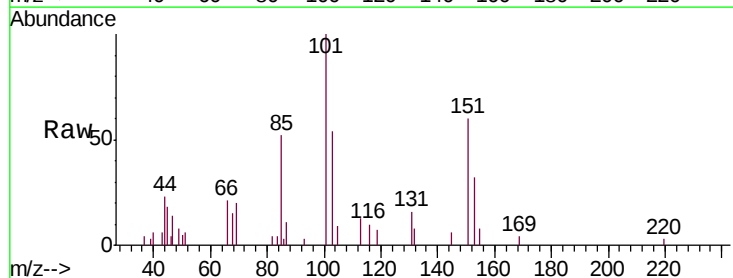
Acq: 30 May 2019 6:13

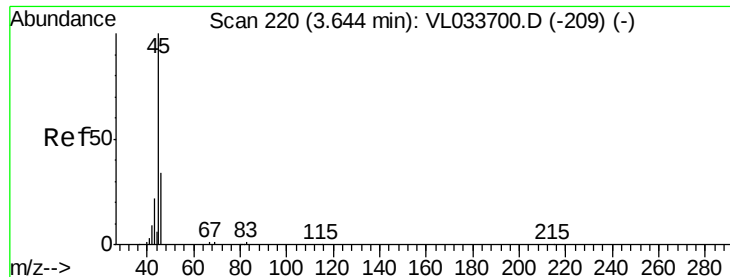
Tgt Ion:101 Resp: 8850

Ion Ratio Lower Upper

101 100

151 75.2 58.2 87.4





#13

Ethanol

Concen: 89.252 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

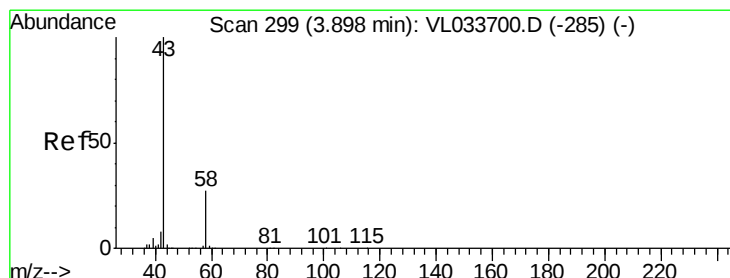
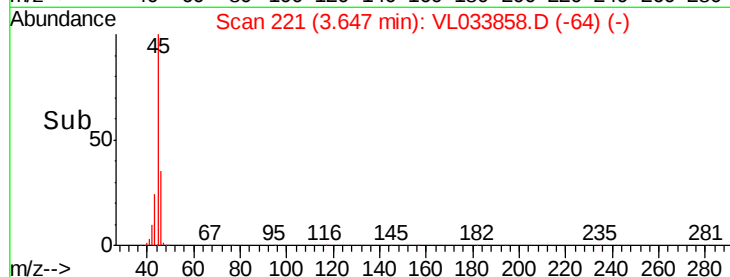
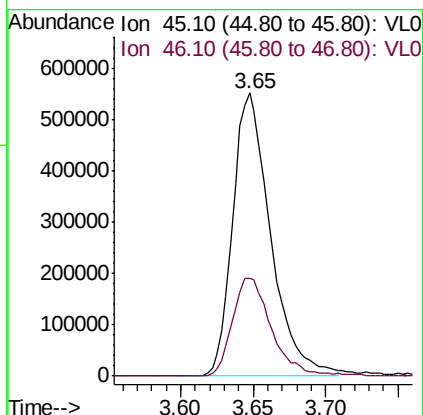
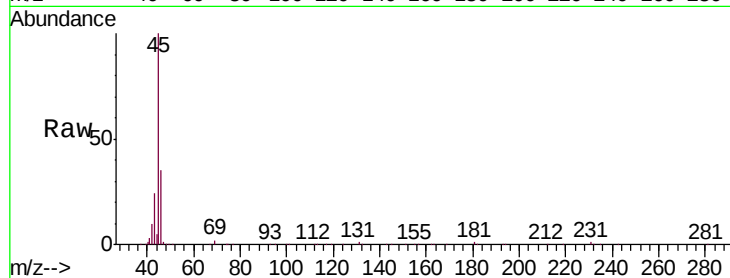
SG-22-20190523-0

Tgt Ion: 45 Resp: 1000428

Ion Ratio Lower Upper

45 100

46 36.6 14.8 59.0



#15

Acetone

Concen: 7.077 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033858.D

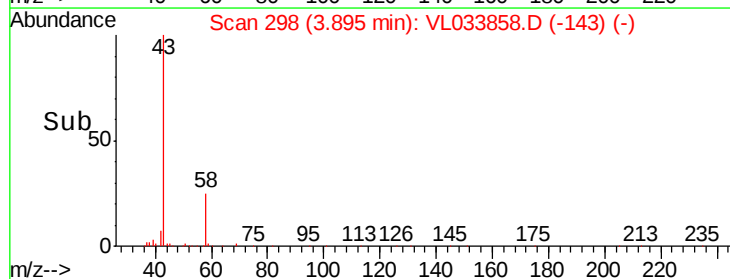
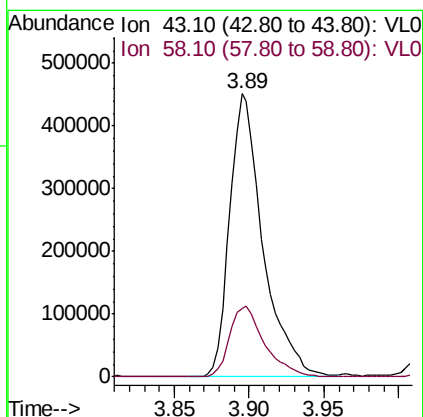
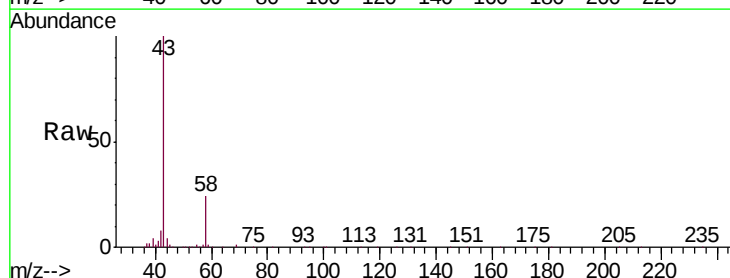
Acq: 30 May 2019 6:13

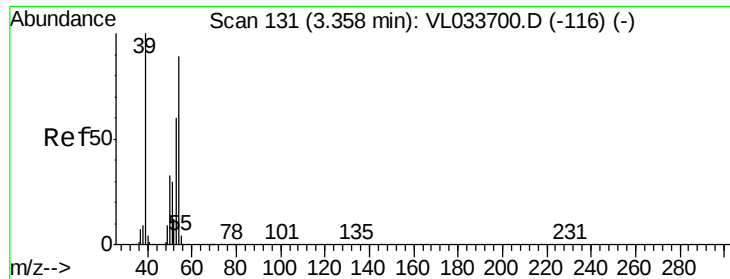
Tgt Ion: 43 Resp: 698883

Ion Ratio Lower Upper

43 100

58 26.3 21.3 31.9

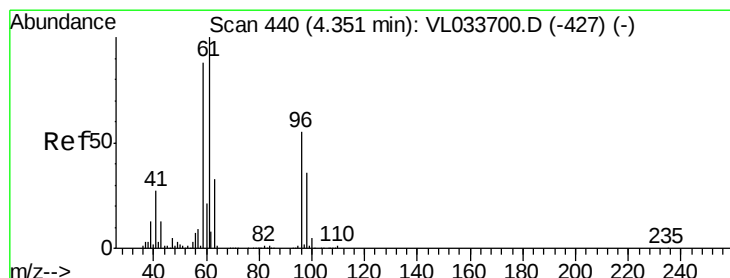
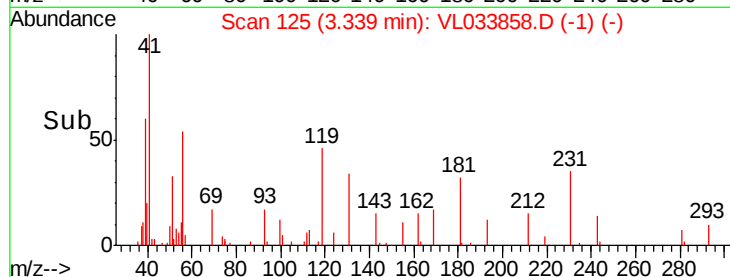
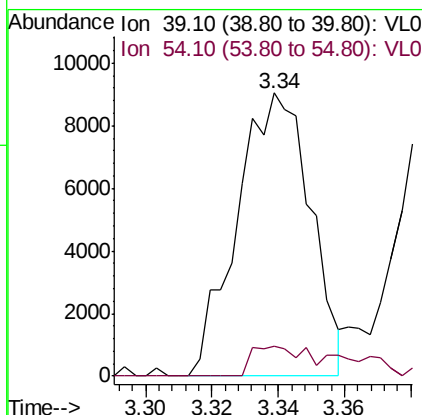
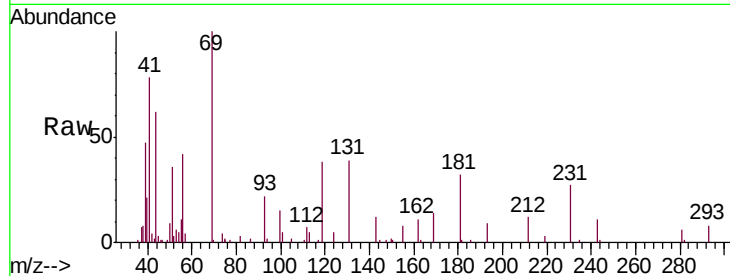




#16
 1,3-Butadiene
 Concen: 0.354 ppbv
 RT: 3.34 min Scan# 125
 Delta R.T. -0.02 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

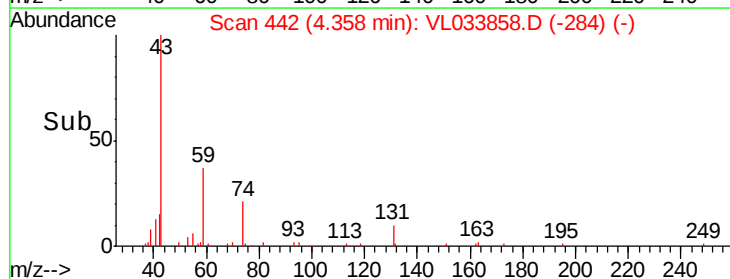
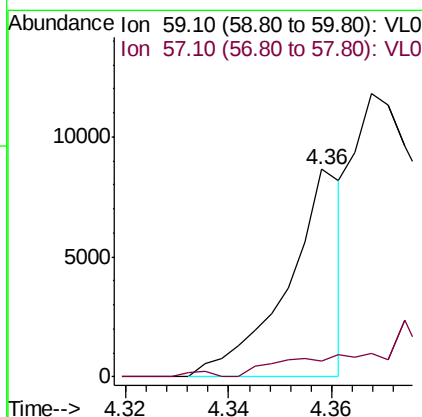
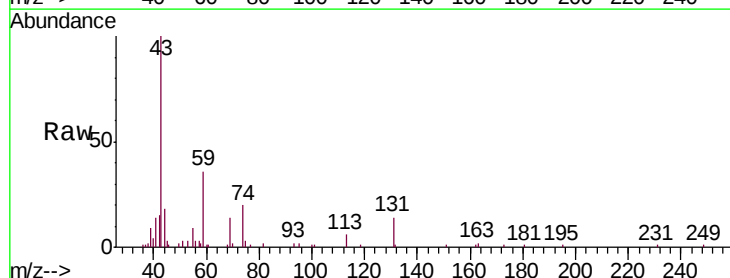
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-0

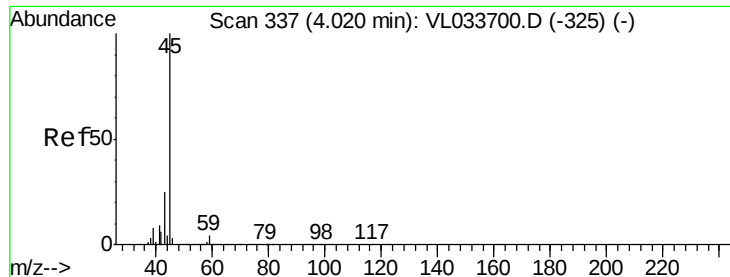
Tgt Ion: 39 Resp: 13936
 Ion Ratio Lower Upper
 39 100
 54 16.4 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 0.080 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.01 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Tgt Ion: 59 Resp: 6424
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 6.552 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

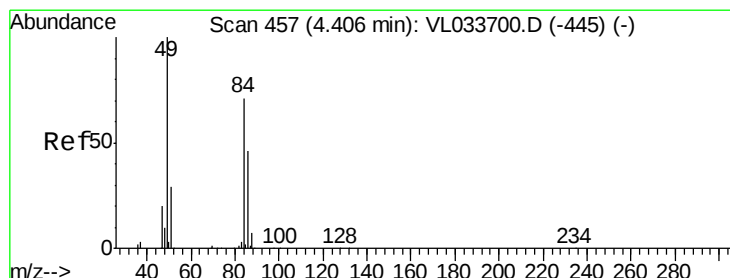
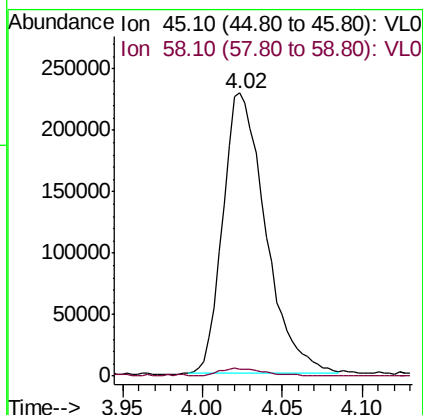
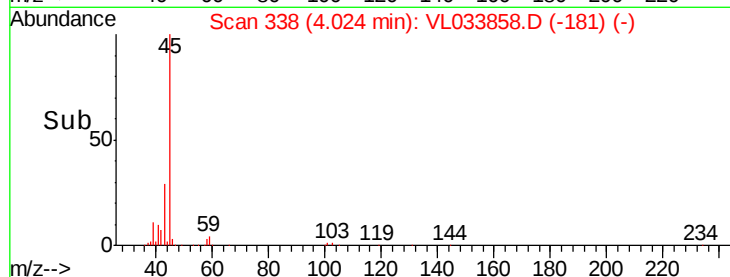
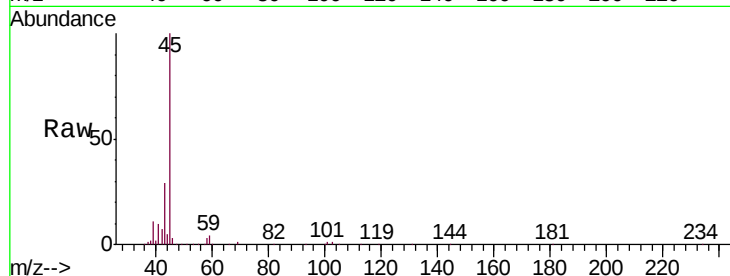
SG-22-20190523-0

Tgt Ion: 45 Resp: 417208

Ion Ratio Lower Upper

45 100

58 3.4 1.6 2.4#



#20

Methylene Chloride

Concen: 0.308 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Tgt Ion: 84 Resp: 11706

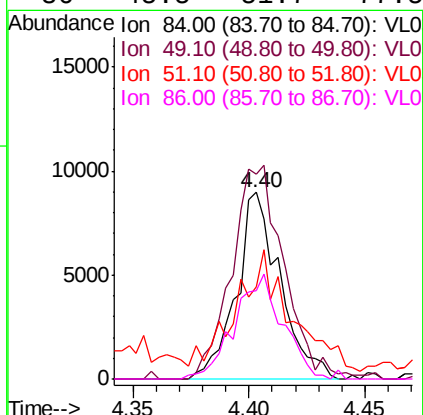
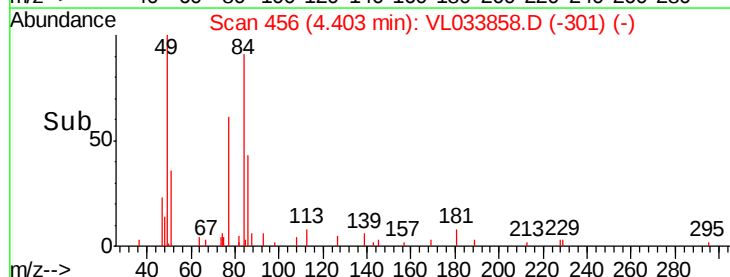
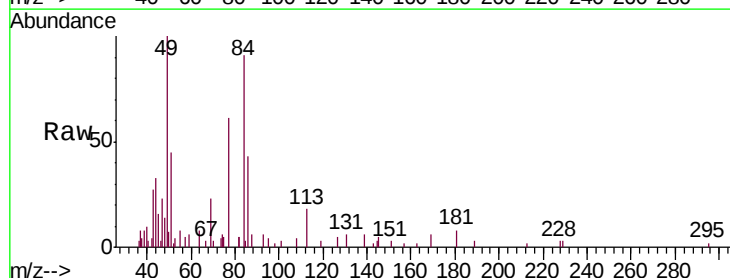
Ion Ratio Lower Upper

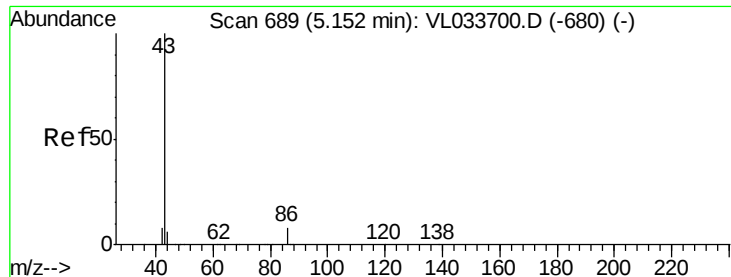
84 100

49 110.0 112.8 169.2#

51 42.6 33.4 50.0

86 45.5 51.7 77.5#





#23

Vinyl Acetate

Concen: 0.337 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-0

Tgt Ion: 43 Resp: 43925

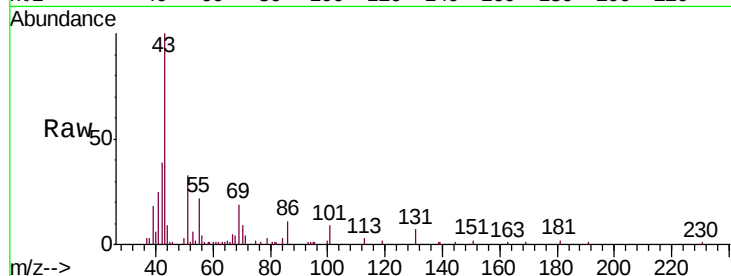
Ion Ratio Lower Upper

43 100

86 11.7 6.0 9.0#

42 35.9 7.5 11.3#

44 6.1 4.4 6.6

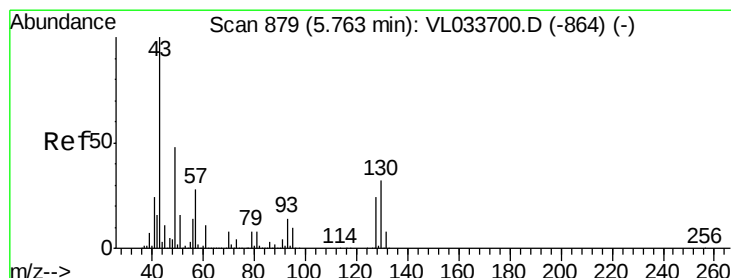
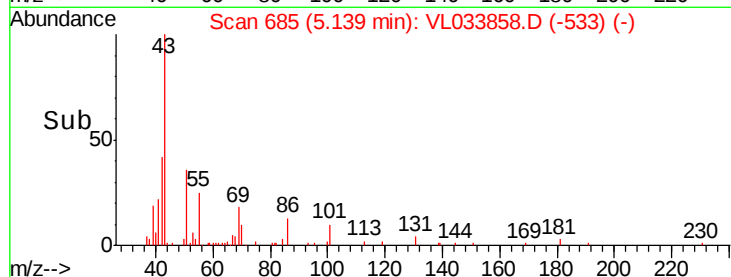
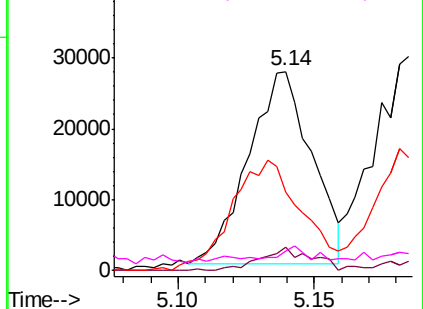


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.089 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Tgt Ion: 43 Resp: 188996

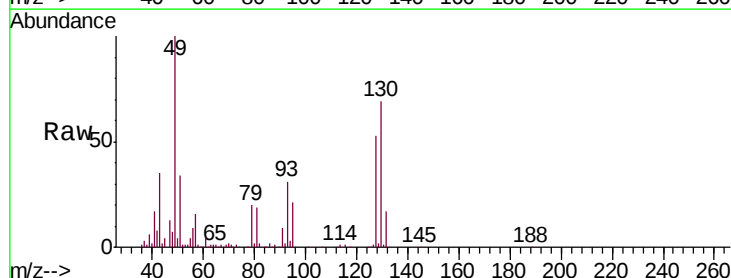
Ion Ratio Lower Upper

43 100

45 9.4 7.9 11.9

61 8.2 7.7 11.5

70 6.2 5.8 8.6

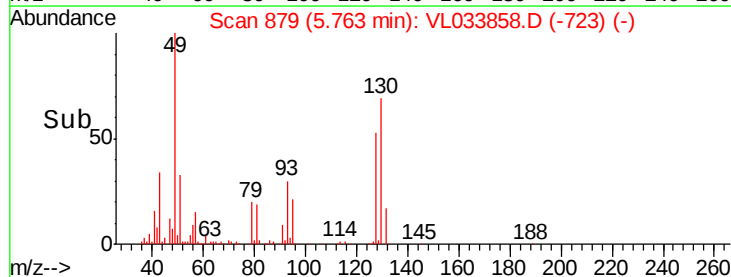
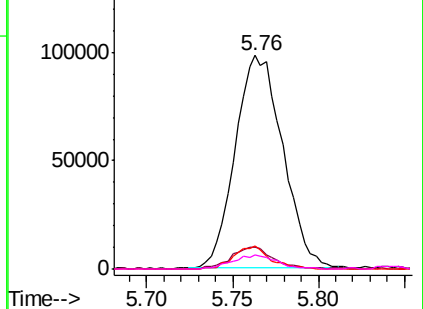


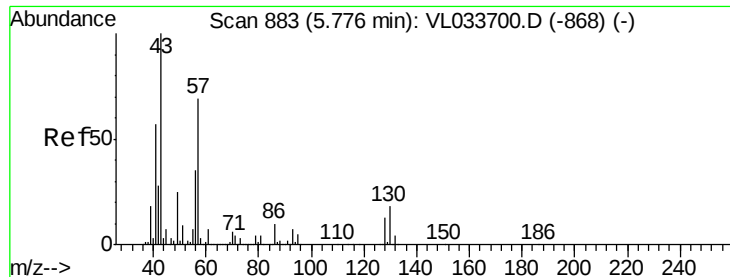
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

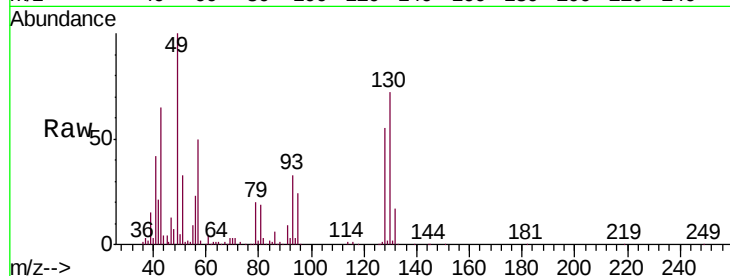




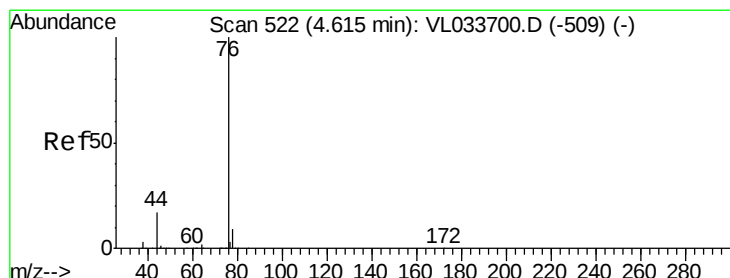
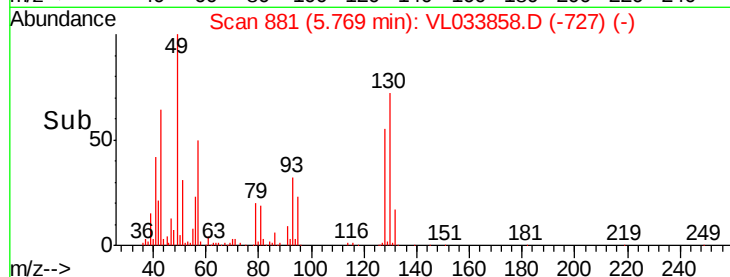
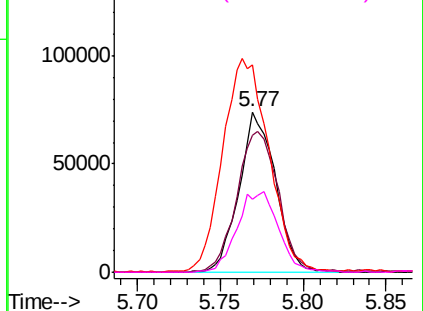
#26
Hexane
Concen: 1.515 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033858.D
Acq: 30 May 2019 6:13

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-0

Tgt Ion: 57 Resp: 112977
Ion Ratio Lower Upper
57 100
41 100.1 69.8 104.6
43 168.3 181.8 272.6#
56 57.1 42.1 63.1

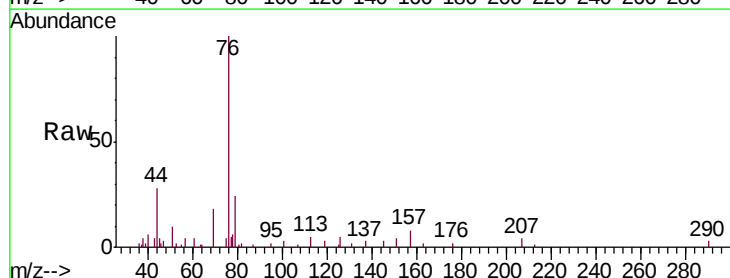


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

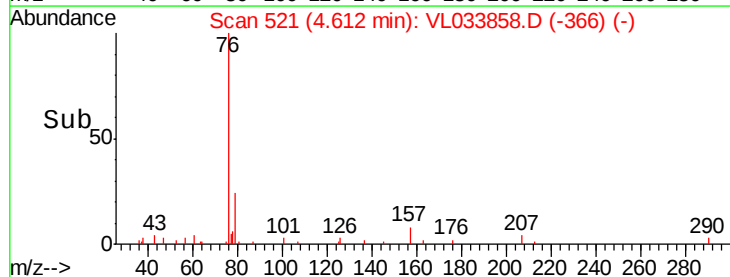
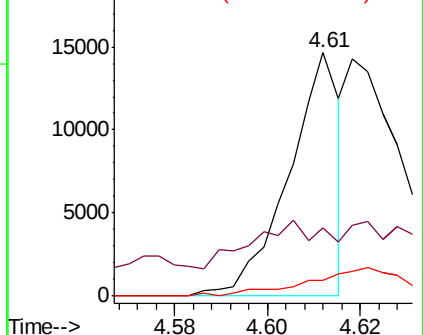


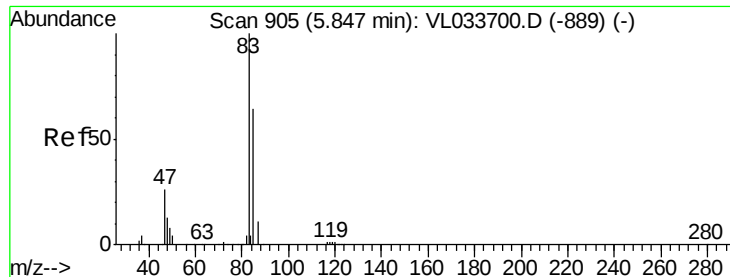
#27
Carbon Disulfide
Concen: 0.109 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033858.D
Acq: 30 May 2019 6:13

Tgt Ion: 76 Resp: 11198
Ion Ratio Lower Upper
76 100
44 84.6 13.8 20.8#
78 0.0 7.4 11.0#



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





#29

Chloroform

Concen: 1.196 ppbv

RT: 5.84 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

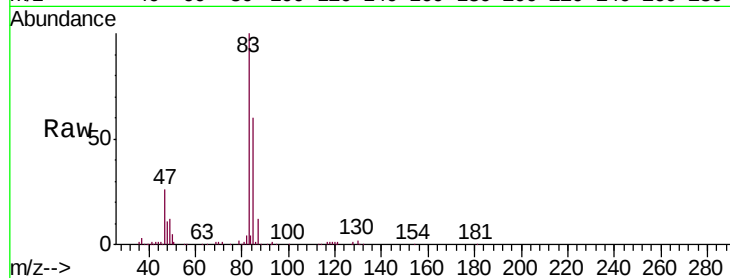
SG-22-20190523-0

Tgt Ion: 83 Resp: 164254

Ion Ratio Lower Upper

83 100

85 60.5 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.84

100000

80000

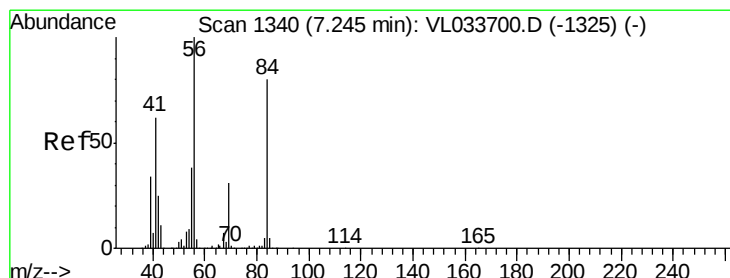
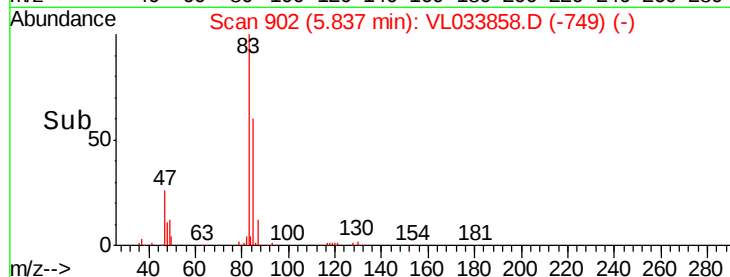
60000

40000

20000

0

Time-->



#30

Cyclohexane

Concen: 0.031 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

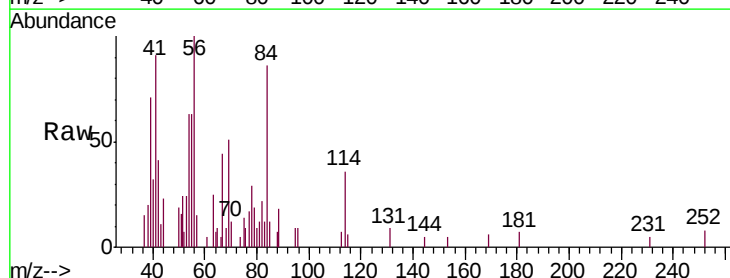
Tgt Ion: 84 Resp: 1962

Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

41 381.9 66.0 99.0#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

6000

5000

4000

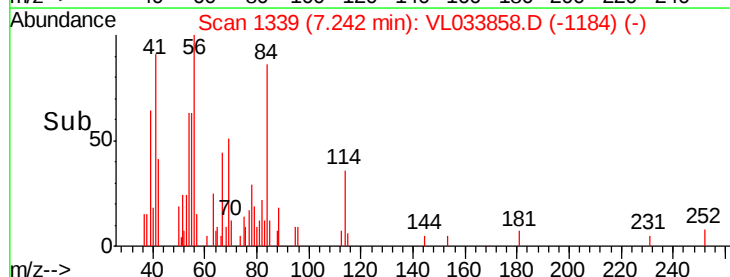
3000

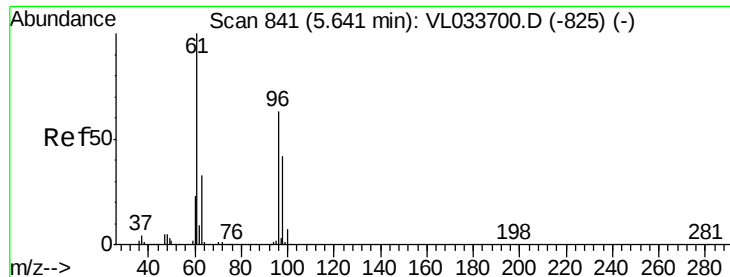
2000

1000

0

Time-->



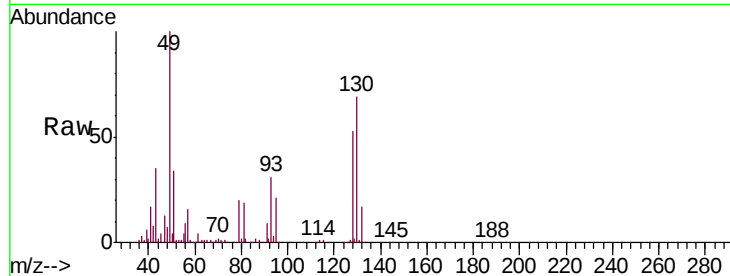


#31

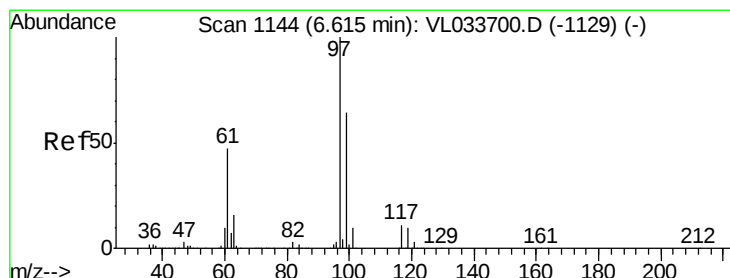
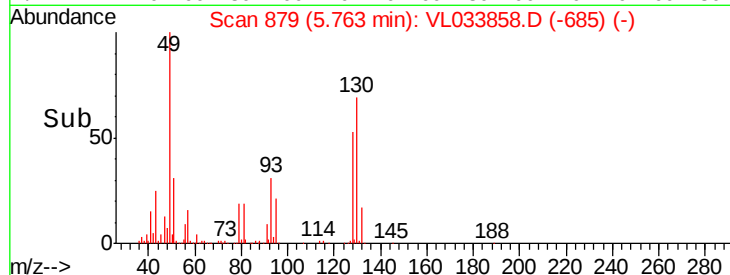
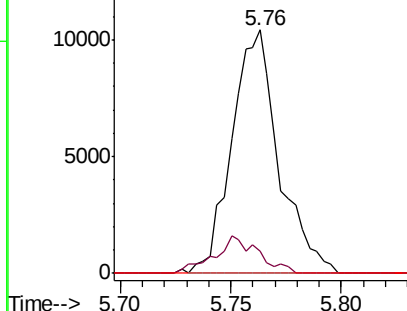
cis-1,2-Dichloroethene
 Concen: 0.208 ppbv
 RT: 5.76 min Scan# 879
 Delta R.T. 0.12 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-0

Tgt Ion	Ratio	Lower	Upper
61	100		
96	9.3	50.8	76.2#
98	0.0	33.3	49.9#



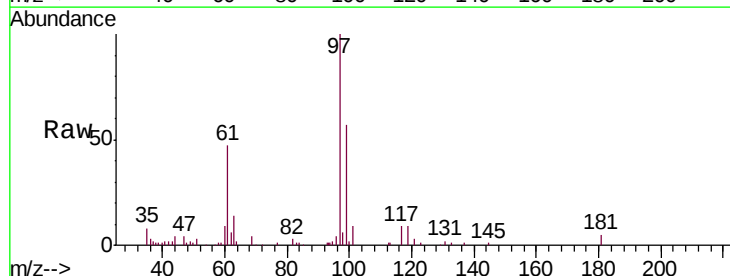
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



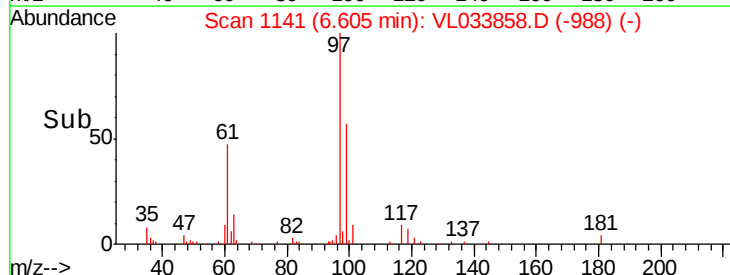
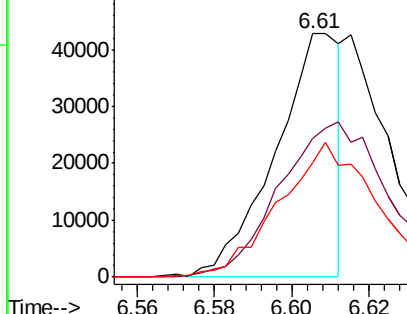
#32

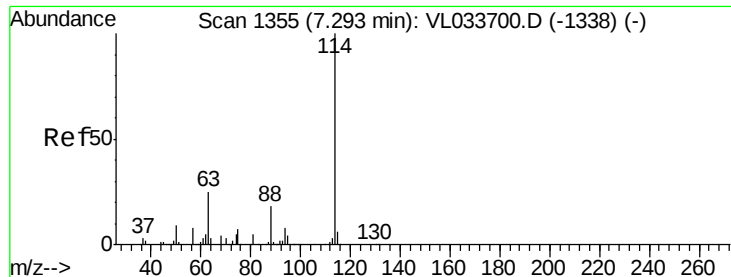
1,1,1-Trichloroethane
 Concen: 0.362 ppbv
 RT: 6.61 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	37.8	56.8#



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

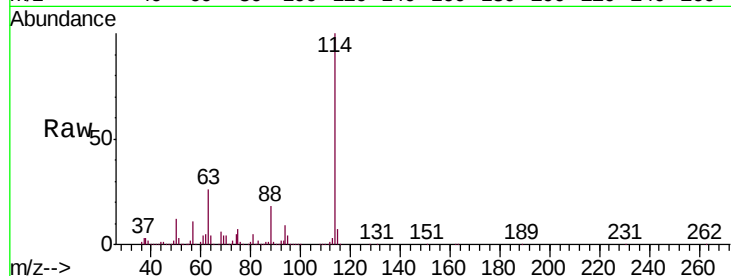




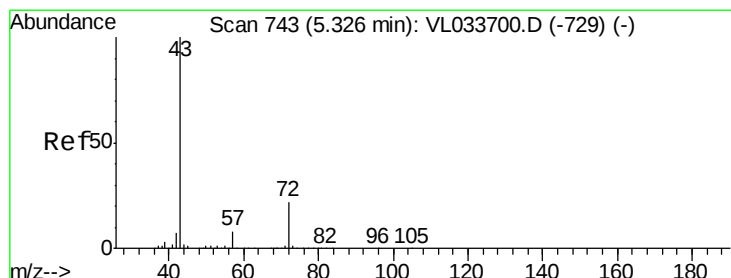
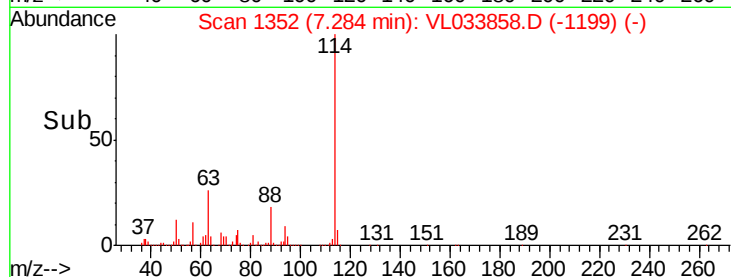
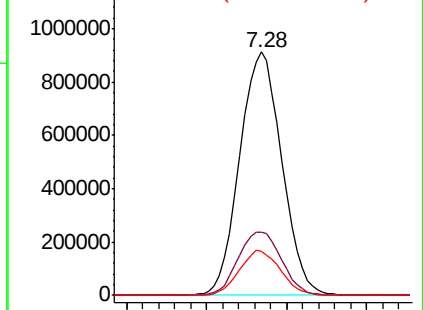
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-0

Tgt Ion:114 Resp: 1642687
 Ion Ratio Lower Upper
 114 100
 63 26.9 20.9 31.3
 88 18.2 14.3 21.5

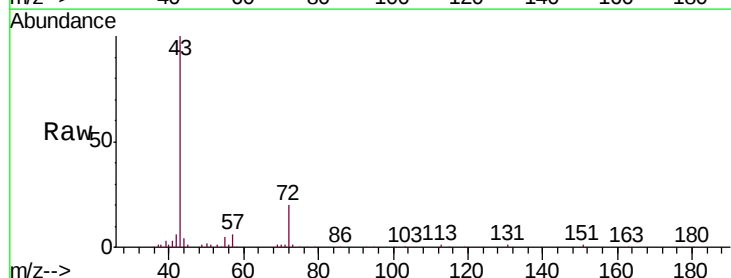


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

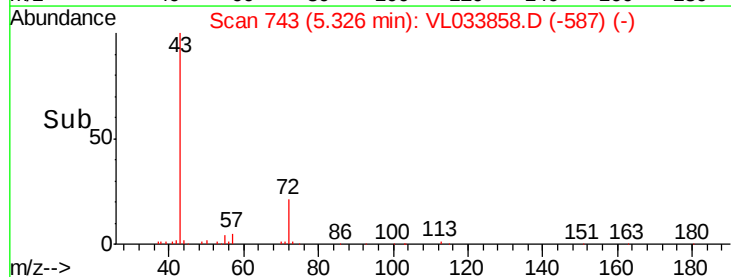
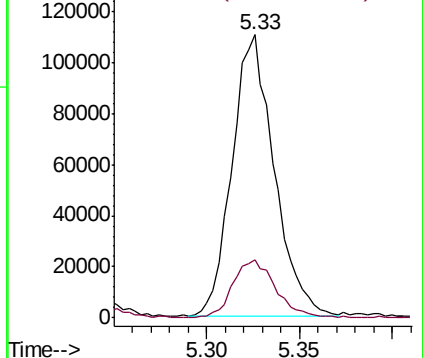


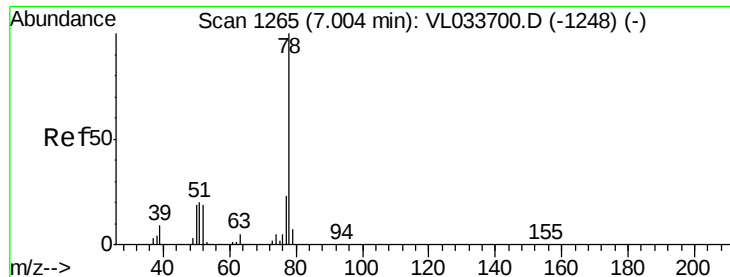
#34
 2-Butanone
 Concen: 1.711 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Tgt Ion: 43 Resp: 174262
 Ion Ratio Lower Upper
 43 100
 72 20.9 17.8 26.6



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





#36

Benzene

Concen: 0.172 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-0

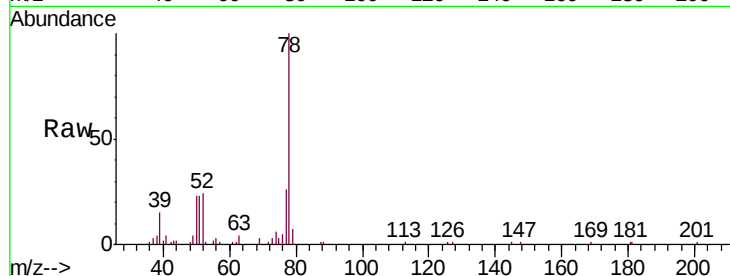
Tgt Ion: 78 Resp: 25774

Ion Ratio Lower Upper

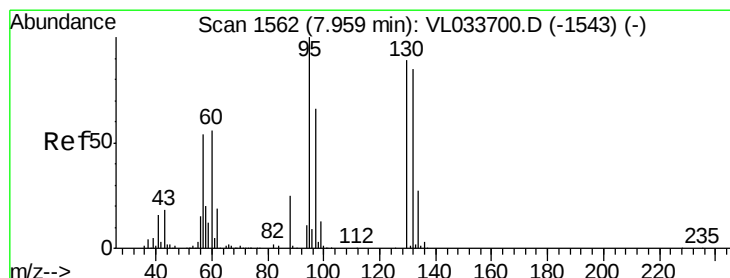
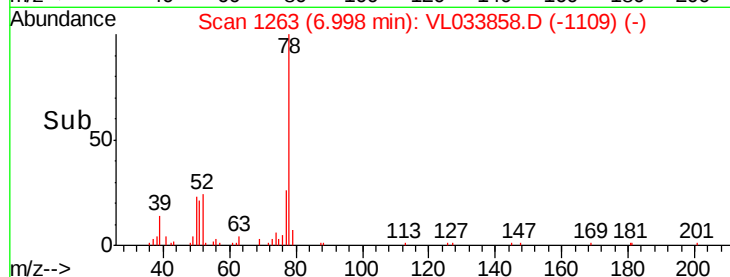
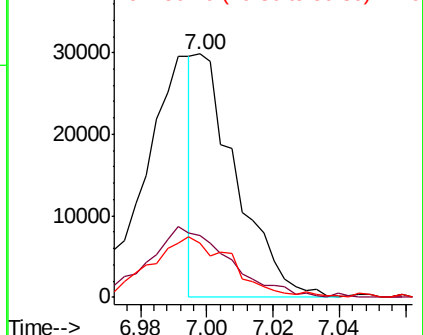
78 100

77 23.6 18.4 27.6

50 21.1 15.5 23.3



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: 0.679 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Tgt Ion: 130 Resp: 37673

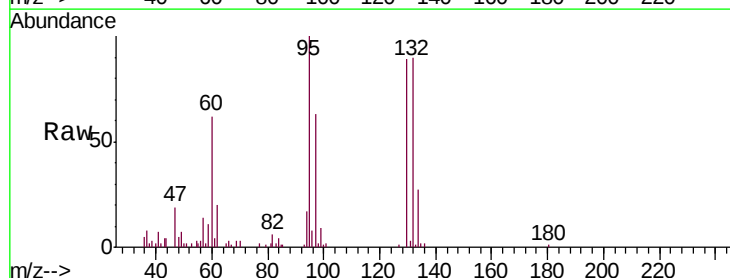
Ion Ratio Lower Upper

130 100

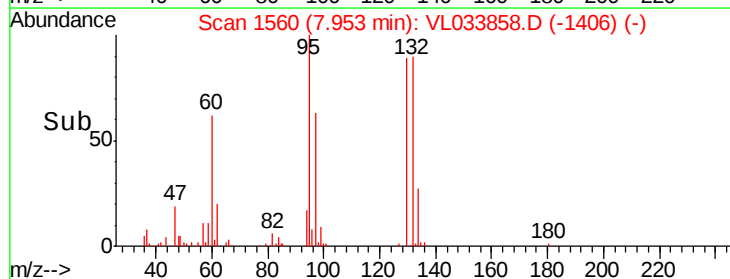
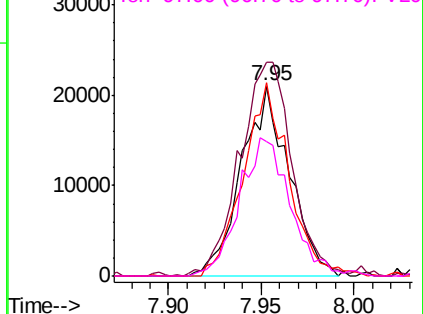
95 110.8 90.2 135.4

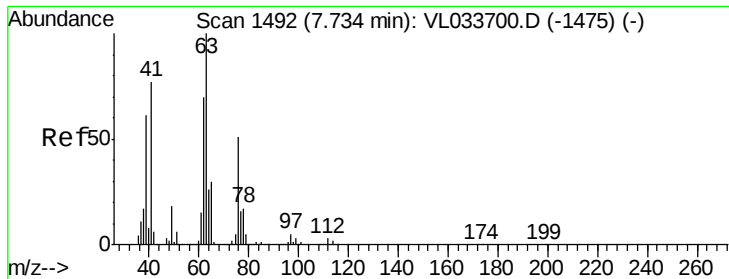
132 102.1 76.4 114.6

97 70.8 59.8 89.6



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.911 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-0

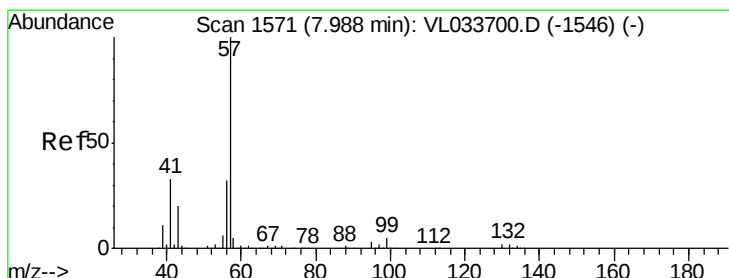
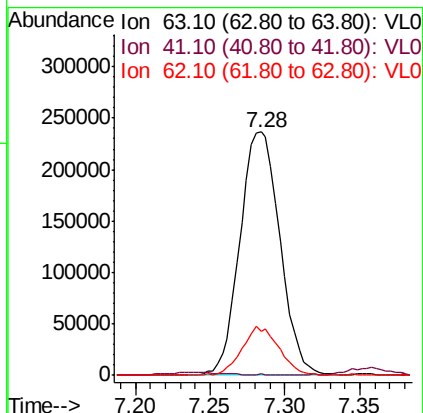
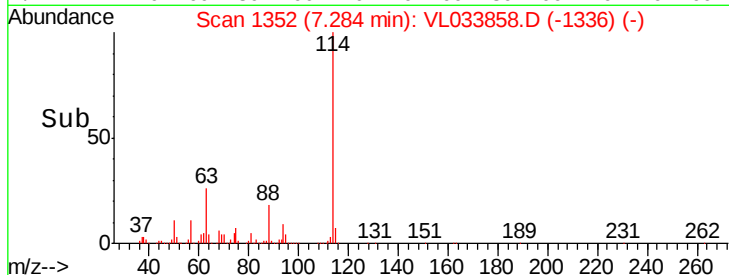
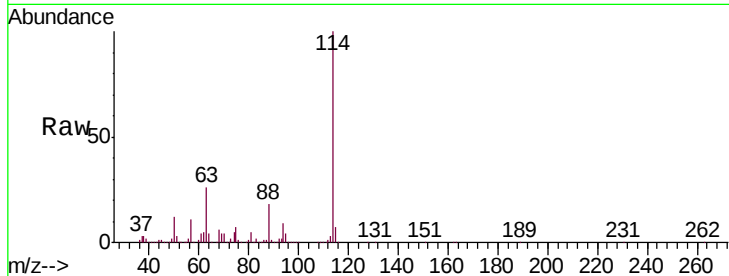
Tgt Ion: 63 Resp: 440745

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 18.2 56.2 84.4#



#44

2,2,4-Trimethylpentane

Concen: 0.185 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

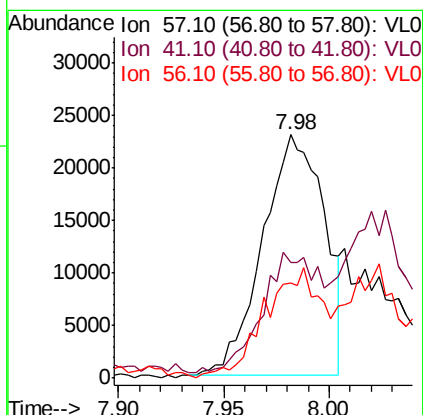
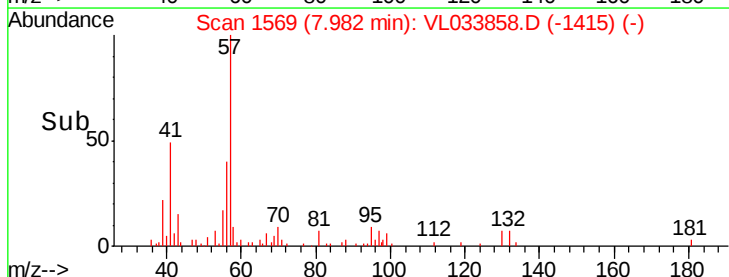
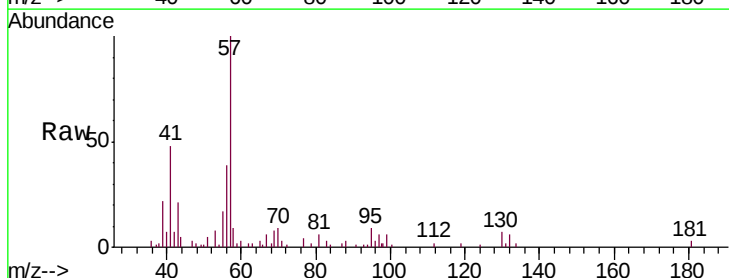
Tgt Ion: 57 Resp: 46661

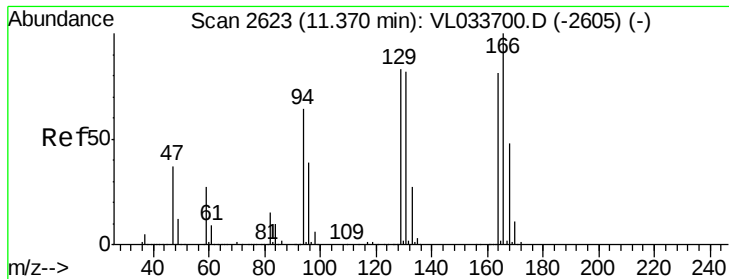
Ion Ratio Lower Upper

57 100

41 52.3 25.4 38.0#

56 47.8 24.7 37.1#





#52

Tetrachloroethene

Concen: 25.646 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-0

Tgt Ion:164 Resp: 1347112

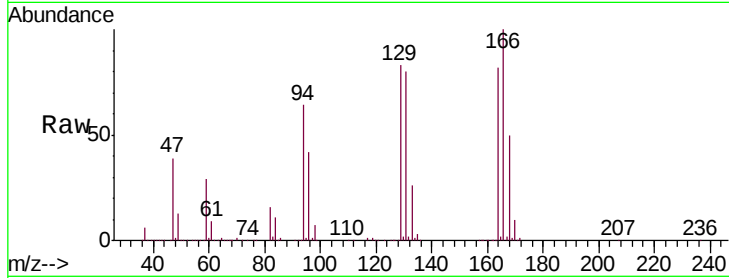
Ion Ratio Lower Upper

164 100

166 122.0 98.9 148.3

129 101.5 81.8 122.6

131 97.2 81.1 121.7

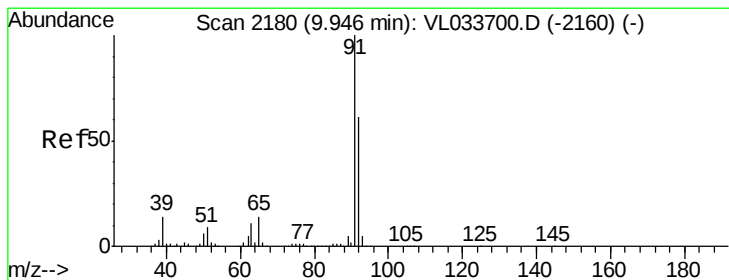
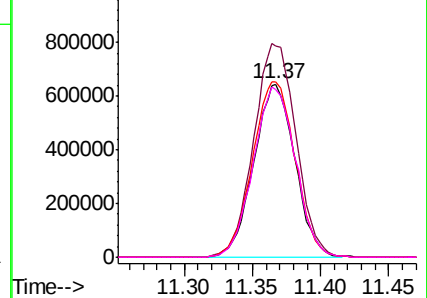
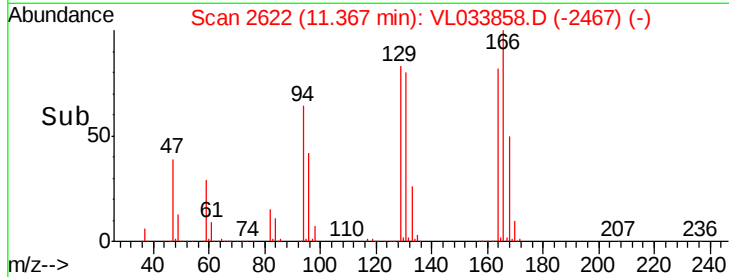


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 3.142 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033858.D

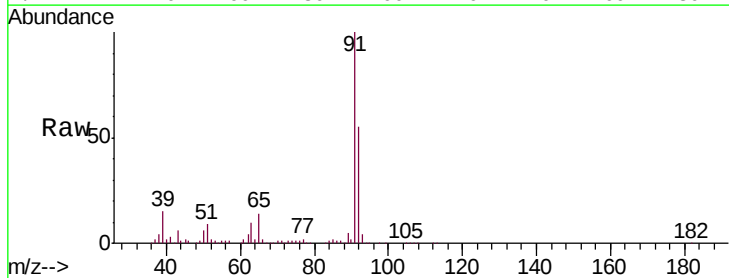
Acq: 30 May 2019 6:13

Tgt Ion: 91 Resp: 506345

Ion Ratio Lower Upper

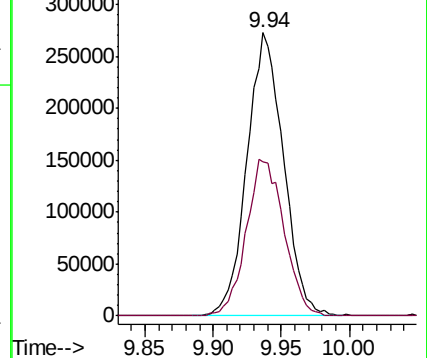
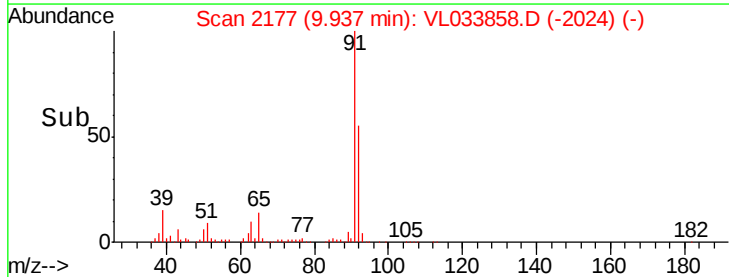
91 100

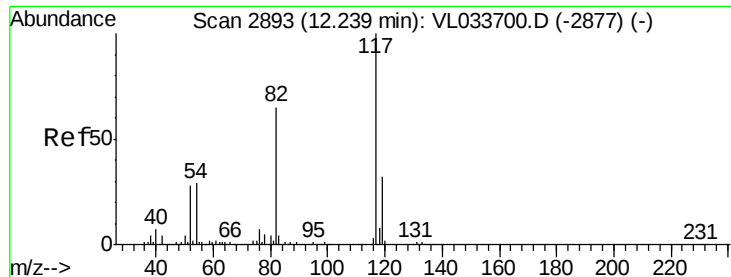
92 57.4 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

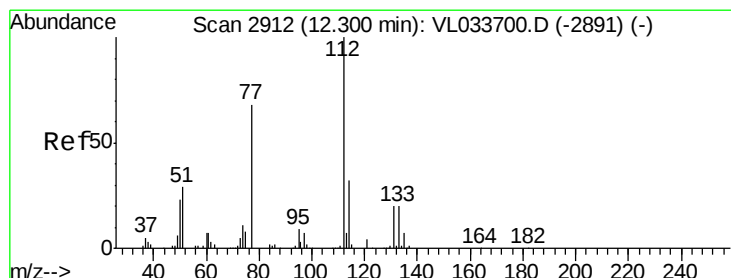
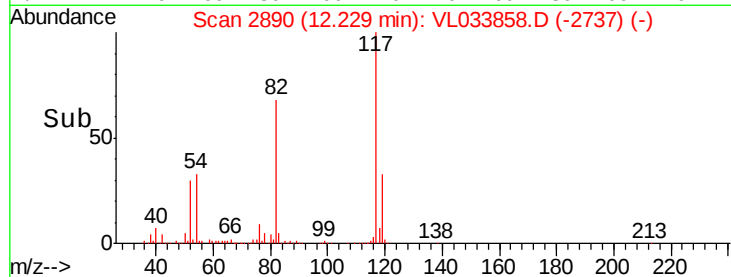
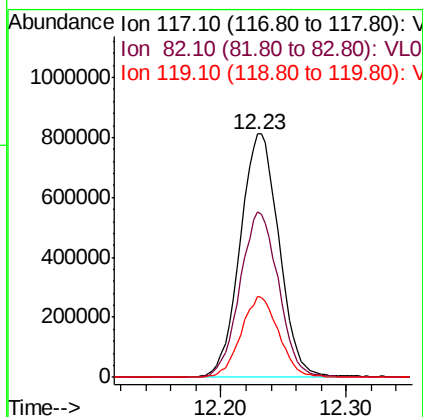
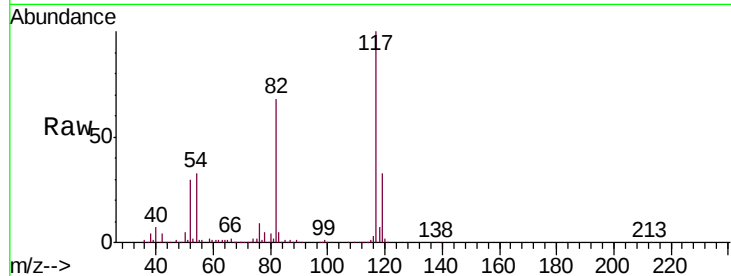




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033858.D
Acq: 30 May 2019 6:13

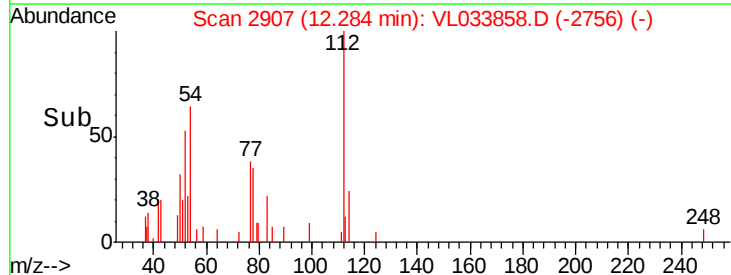
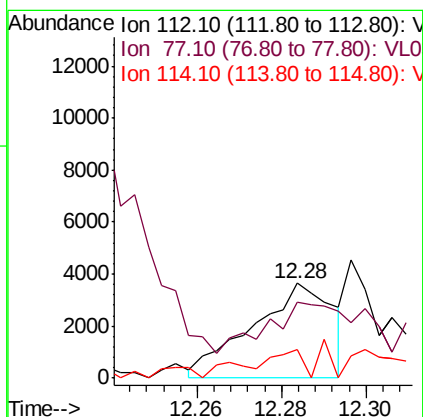
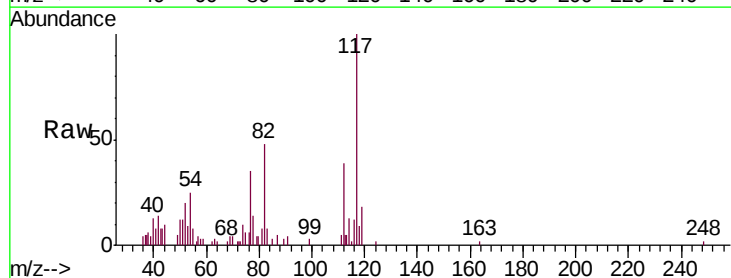
Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-0

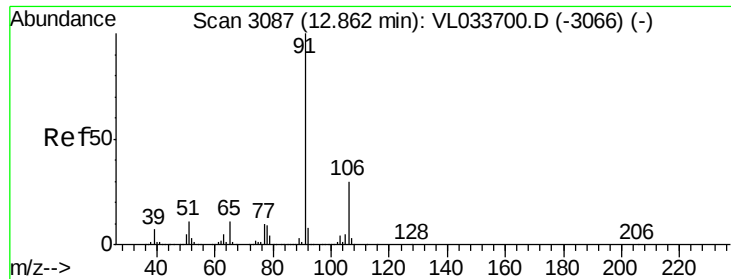
Tgt Ion:117 Resp: 1746037
Ion Ratio Lower Upper
117 100
82 68.0 49.4 74.0
119 32.3 24.9 37.3



#57
Chlorobenzene
Concen: 0.033 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL033858.D
Acq: 30 May 2019 6:13

Tgt Ion:112 Resp: 4796
Ion Ratio Lower Upper
112 100
77 72.2 55.4 83.0
114 27.3 29.3 35.8#





#58

Ethyl Benzene

Concen: 0.089 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL033858.D

Acq: 30 May 2019 6:13

Instrument :

MSVOA_L

ClientSampleId :

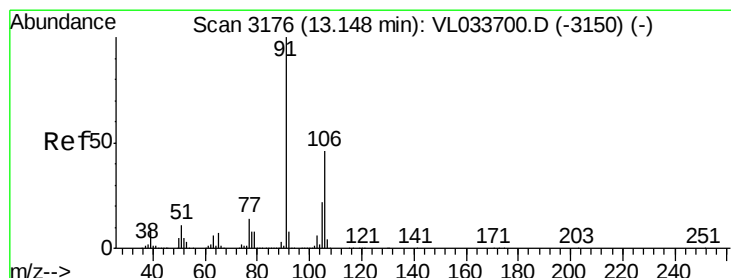
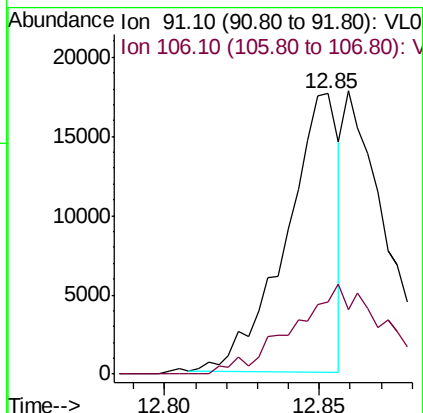
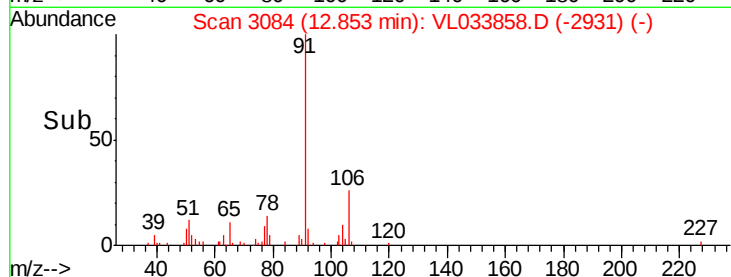
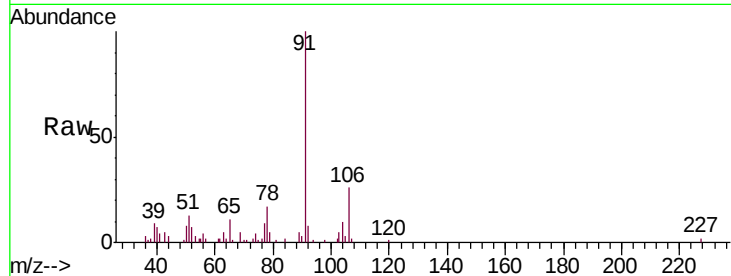
SG-22-20190523-0

Tgt Ion: 91 Resp: 20654

Ion Ratio Lower Upper

91 100

106 26.2 23.9 35.9



#59

m/p-Xylene

Concen: 0.108 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VL033858.D

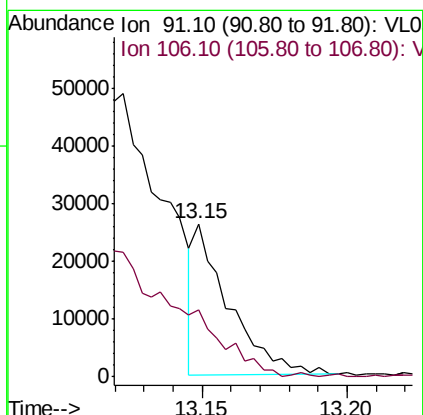
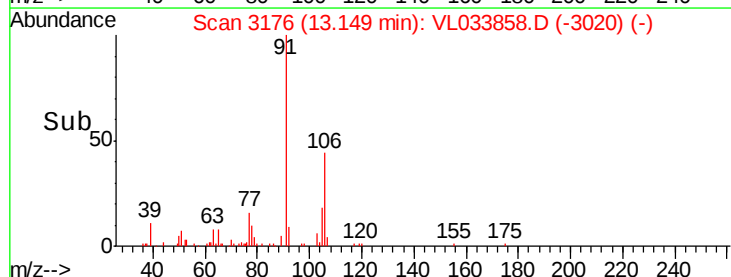
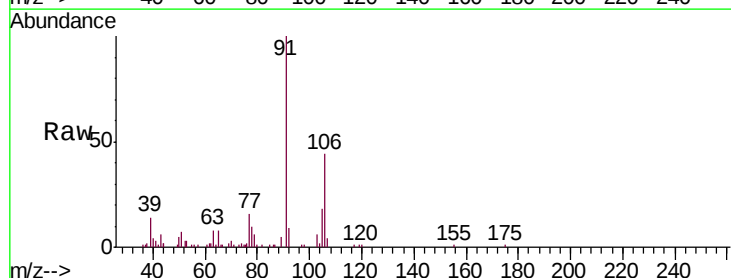
Acq: 30 May 2019 6:13

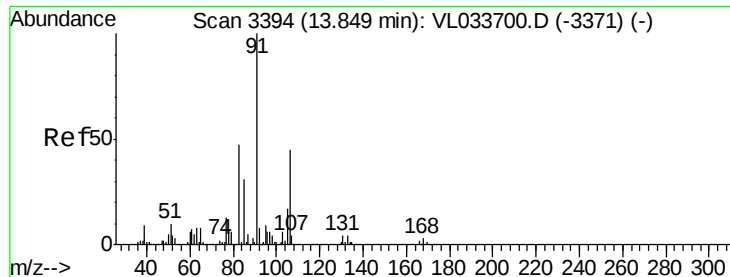
Tgt Ion: 91 Resp: 21889

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.6#

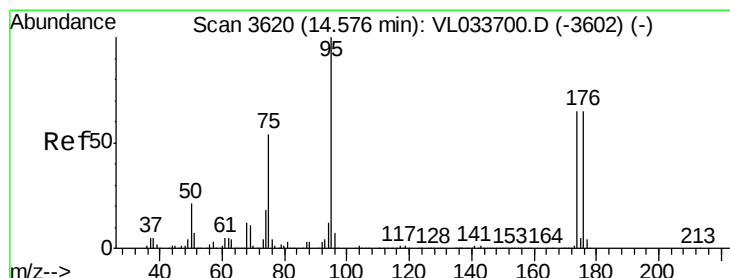
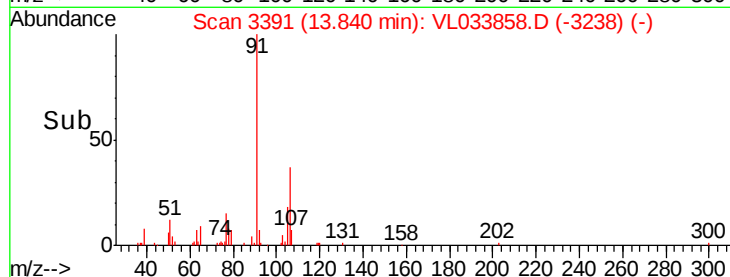
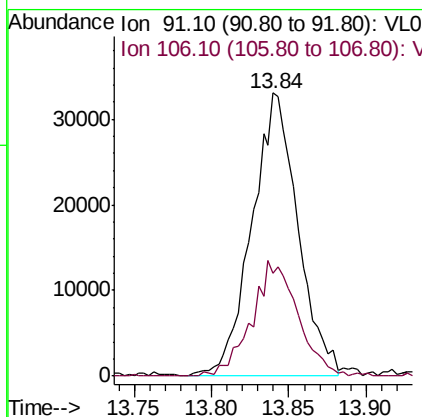
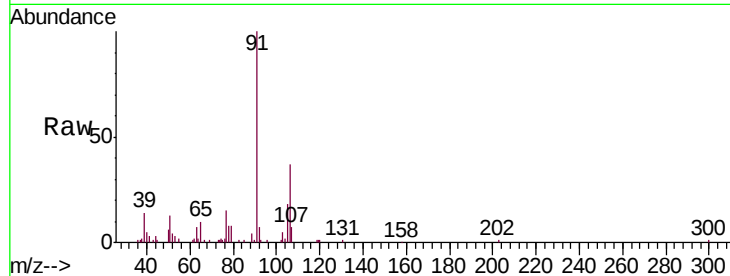




#60
o-Xylene
Concen: 0.336 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033858.D
Acq: 30 May 2019 6:13

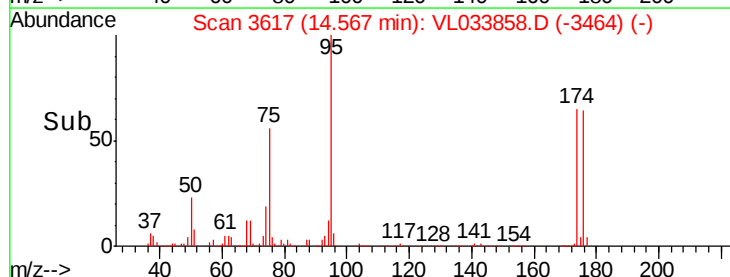
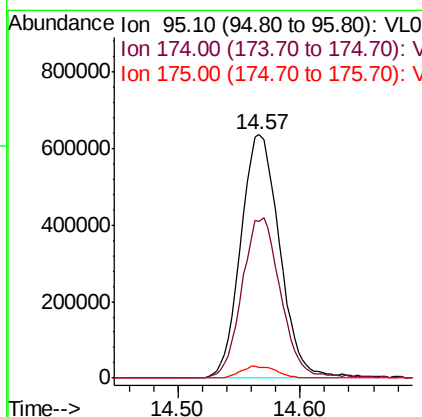
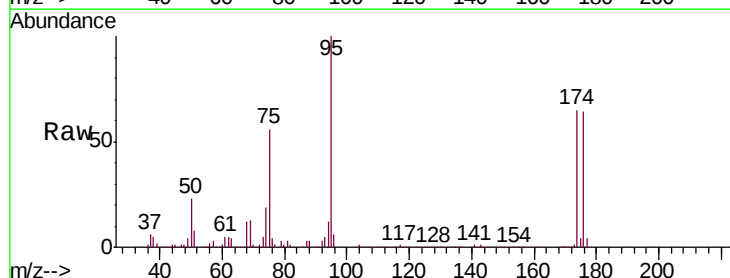
Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-0

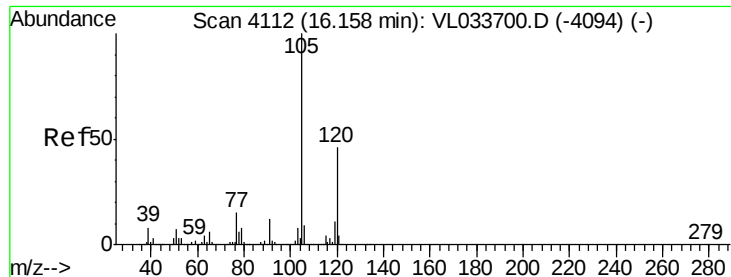
Tgt Ion: 91 Resp: 68439
Ion Ratio Lower Upper
91 100
106 41.0 21.6 64.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.863 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033858.D
Acq: 30 May 2019 6:13

Tgt Ion: 95 Resp: 1396066
Ion Ratio Lower Upper
95 100
174 65.9 53.9 80.9
175 4.8 3.8 5.8

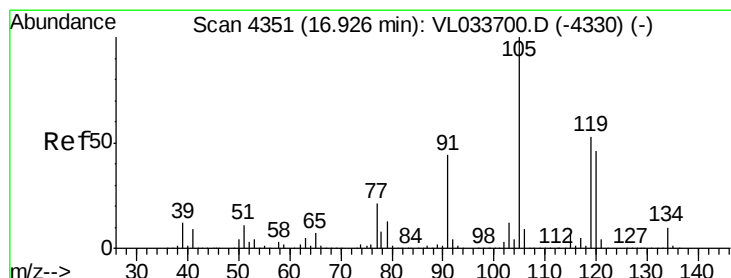
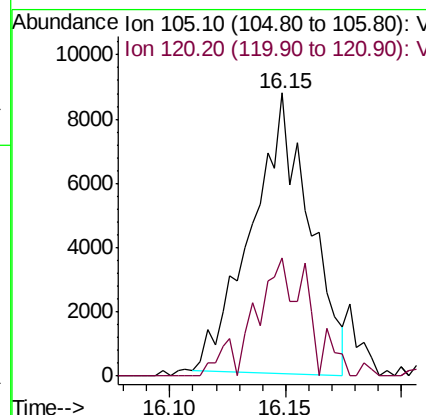
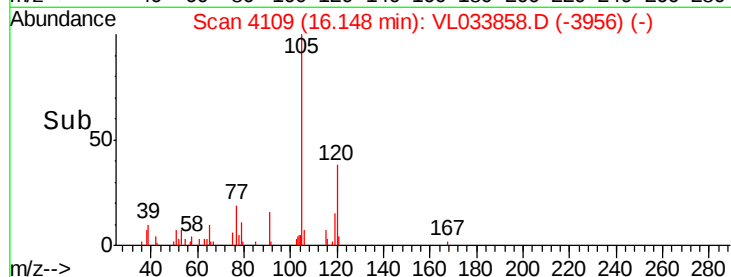
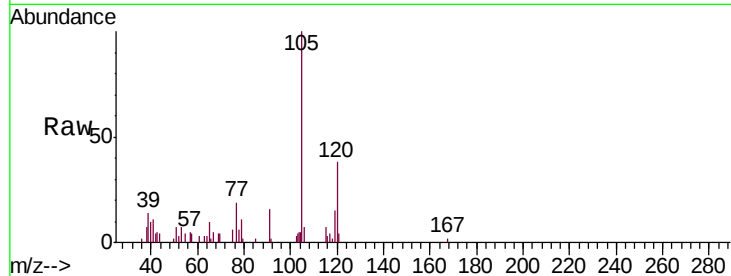




#73
 1,3,5-Trimethylbenzene
 Concen: 0.067 ppbv
 RT: 16.15 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

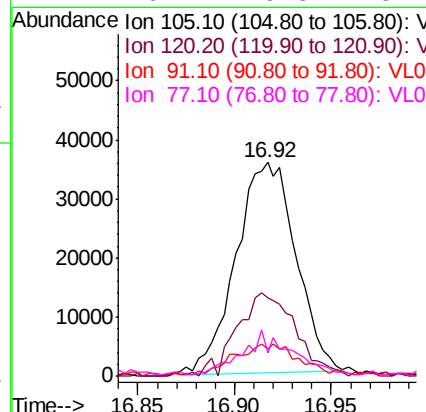
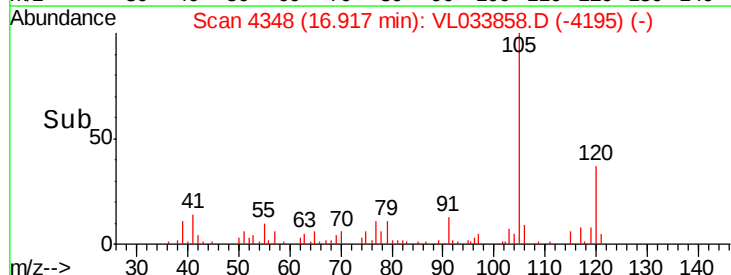
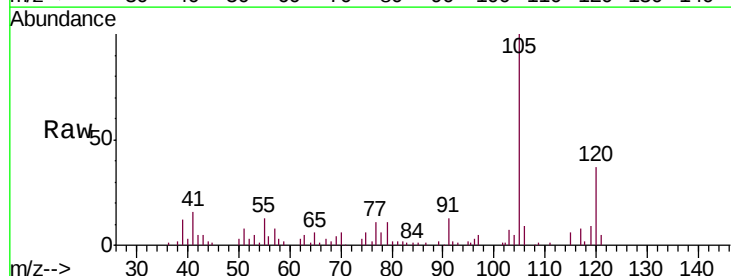
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-0

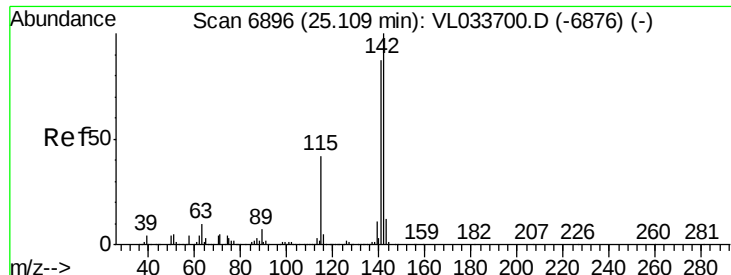
Tgt Ion:105 Resp: 15119
 Ion Ratio Lower Upper
 105 100
 120 42.9 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.310 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Tgt Ion:105 Resp: 76724
 Ion Ratio Lower Upper
 105 100
 120 36.1 36.8 55.2#
 91 12.1 35.4 53.0#
 77 10.4 16.8 25.2#

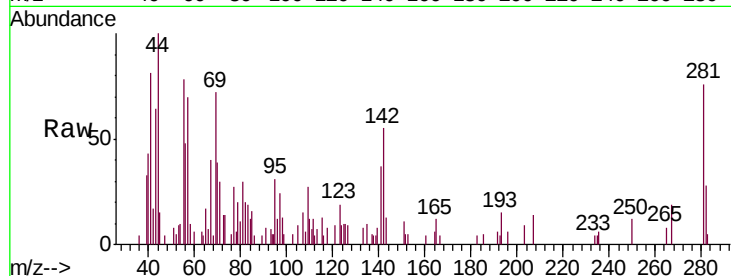




#80
 Naphthalene, 2-methyl-
 Concen: 0.042 ppbv
 RT: 25.11 min Scan# 6896
 Delta R.T. 0.00 min
 Lab File: VL033858.D
 Acq: 30 May 2019 6:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-0

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.6	67.2	100.8
115	52.9	34.1	51.1



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

