

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
 Data File : VL033452.D
 Acq On : 26 Mar 2019 1:27
 Operator : SY/AP
 Sample : K1991-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: Mar 26 05:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	644542	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1468481	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1551110	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1223018	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	29648	0.315	ppbv	96
3) Chlorodifluoromethane	3.02	51	40166	0.541	ppbv #	82
4) Chloromethane	3.17	50	25329	0.645	ppbv	96
5) Vinyl Chloride	3.05	62	1031	0.027	ppbv #	44
9) Propene	3.05	41	18459	0.592	ppbv #	73
10) Heptane	8.25	43	8708	0.111	ppbv #	40
11) Trichlorofluoromethane	4.00	101	28527	0.246	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	5950	0.076	ppbv	96
13) Ethanol	3.66	45	3461437	470.770	ppbv	65
15) Acetone	3.89	43	2086261	26.920	ppbv	100
16) 1,3-Butadiene	3.34	39	5887	0.192	ppbv #	12
17) tert-Butyl alcohol	4.37	59	5619	0.394	ppbv #	73
19) Isopropyl Alcohol	4.04	45	112619	2.297	ppbv #	1
20) Methylene Chloride	4.41	84	65504	1.991	ppbv	97
21) Allyl Chloride	4.41	41	2393	0.049	ppbv #	18
23) Vinyl Acetate	5.14	43	12303	0.112	ppbv #	5
25) Ethyl Acetate	5.77	43	107187	0.745	ppbv #	95
26) Hexane	5.78	57	88686	1.387	ppbv #	60
27) Carbon Disulfide	4.62	76	15336	0.202	ppbv #	68
29) Chloroform	5.85	83	22600	0.206	ppbv	100
30) Cyclohexane	7.24	84	3368	0.067	ppbv #	1
34) 2-Butanone	5.33	43	109017	1.236	ppbv	100
35) Carbon Tetrachloride	7.12	117	3290	0.034	ppbv	86
36) Benzene	7.00	78	18837	0.153	ppbv #	79
37) 1,2-Dichloroethane	6.40	62	2826	0.034	ppbv #	84
38) Trichloroethene	7.95	130	1361	0.029	ppbv #	60
39) 1,2-Dichloropropane	7.29	63	385101	7.979	ppbv #	23
41) Tetrahydrofuran	6.15	42	19848	0.409	ppbv	97
44) 2,2,4-Trimethylpentane	7.98	57	8725	0.041	ppbv #	21
53) Toluene	9.94	91	358016	2.500	ppbv	100
58) Ethyl Benzene	12.86	91	8941	0.043	ppbv	91
59) m/p-Xylene	13.15	91	5824	0.031	ppbv #	100
60) o-Xylene	13.85	91	3922	0.022	ppbv #	33
61) Styrene	13.68	104	8057	0.066	ppbv #	38
74) 1,2,4-Trimethylbenzene	16.92	105	12767	0.062	ppbv #	75
79) Naphthalene	22.41	128	8325	0.047	ppbv #	96
80) Naphthalene,2-methyl-	25.12	142	5887	0.099	ppbv #	84

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

IA-2

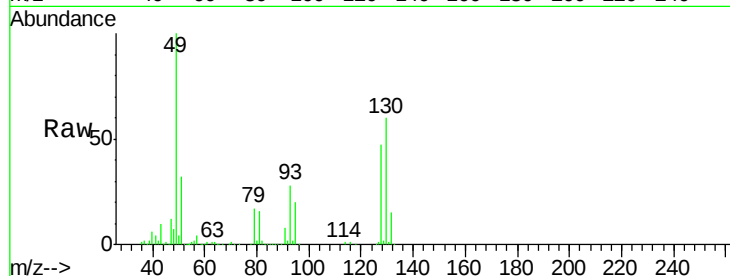
Tgt Ion: 49 Resp: 644542

Ion Ratio Lower Upper

49 100

128 48.1 24.0 72.0

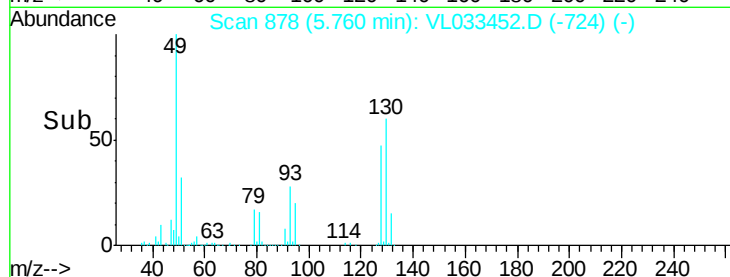
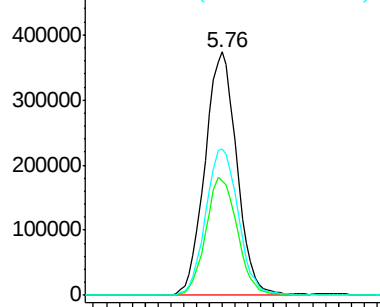
130 61.7 31.2 93.6



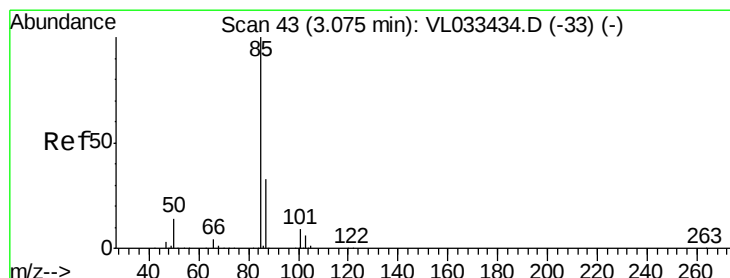
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.315 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033452.D

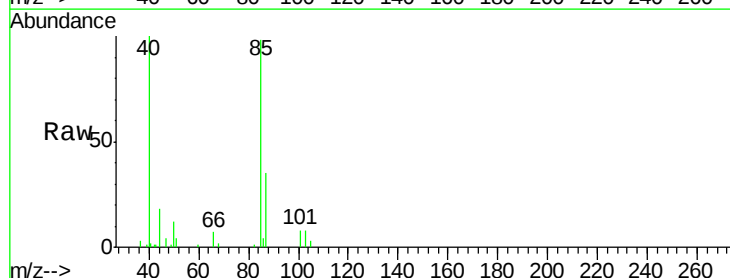
Acq: 26 Mar 2019 1:27

Tgt Ion: 85 Resp: 29648

Ion Ratio Lower Upper

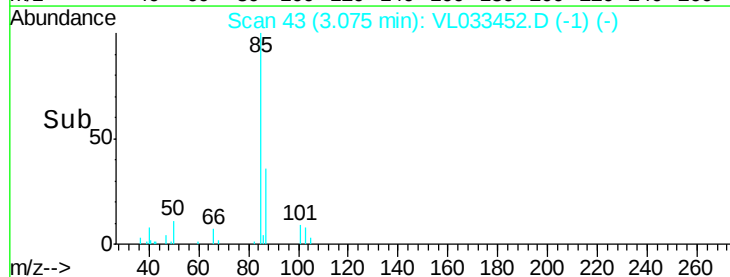
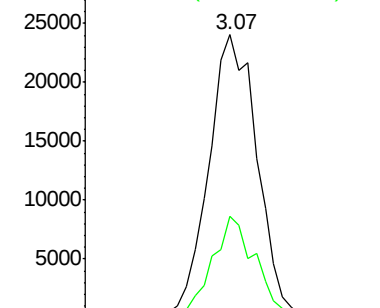
85 100

87 35.7 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.541 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

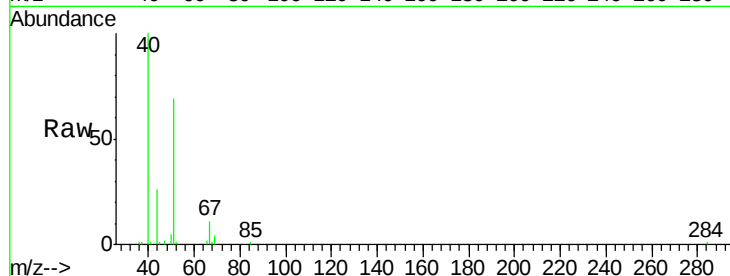
IA-2

Tgt Ion: 51 Resp: 40166

Ion Ratio Lower Upper

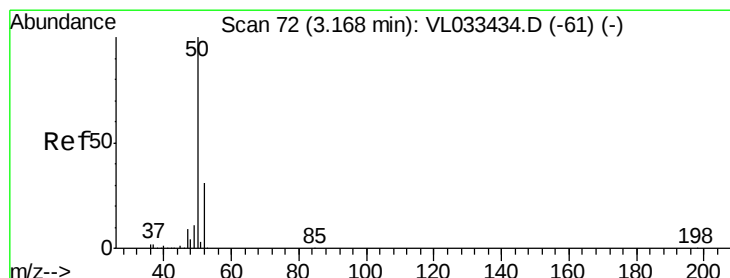
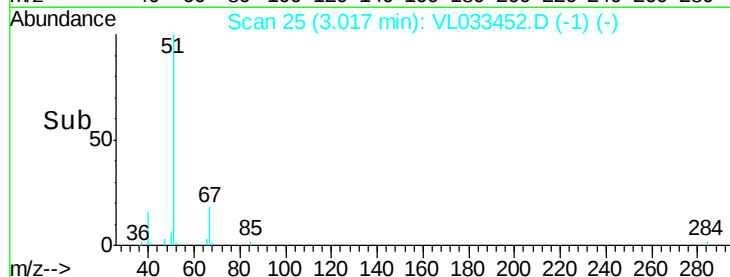
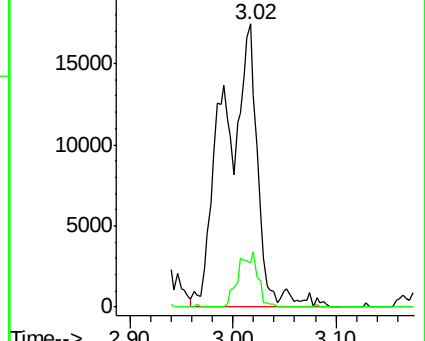
51 100

67 11.2 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.645 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033452.D

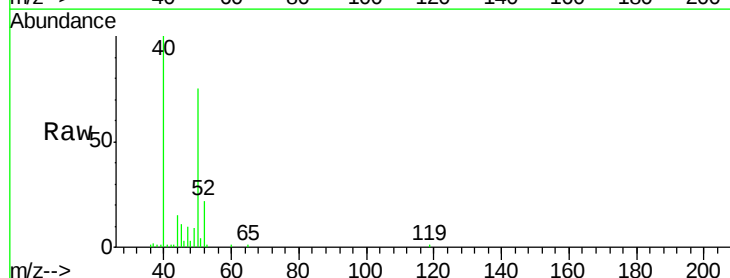
Acq: 26 Mar 2019 1:27

Tgt Ion: 50 Resp: 25329

Ion Ratio Lower Upper

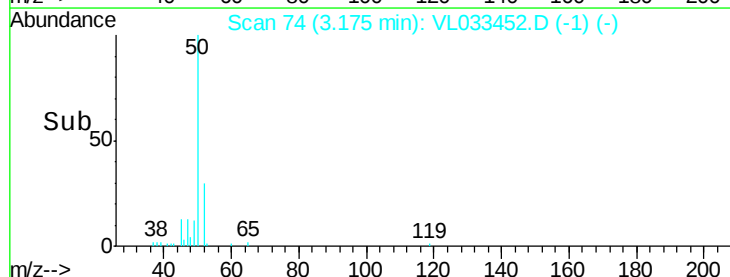
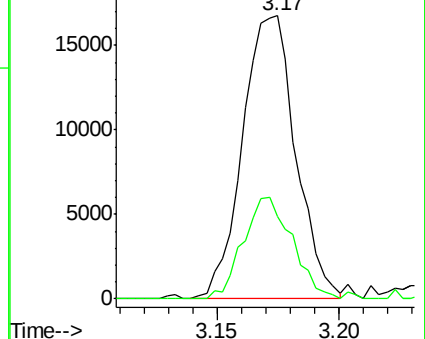
50 100

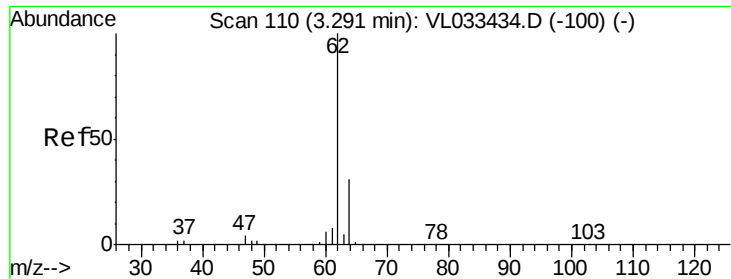
52 29.1 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.027 ppbv

RT: 3.05 min Scan# 34

Delta R.T. -0.24 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

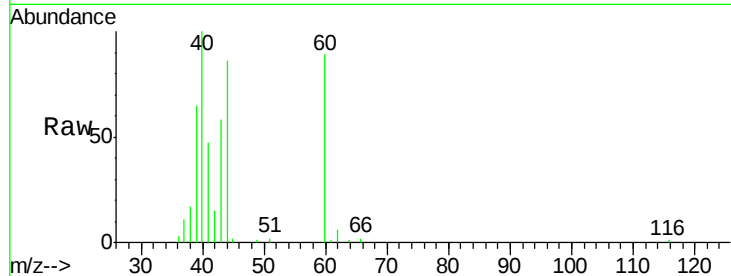
IA-2

Tgt Ion: 62 Resp: 1031

Ion Ratio Lower Upper

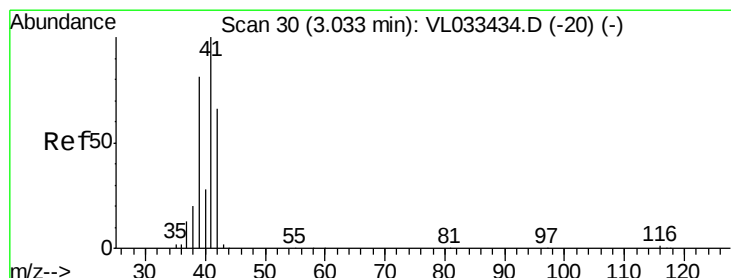
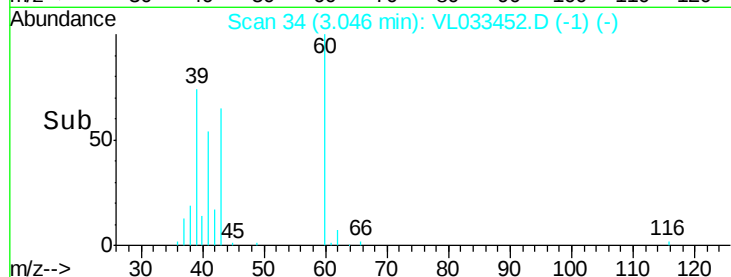
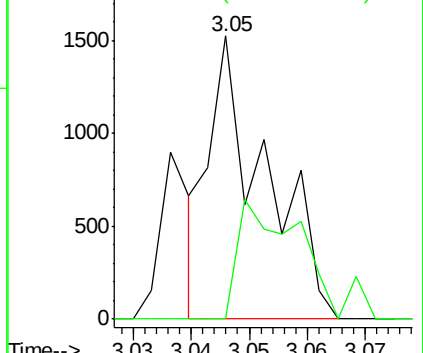
62 100

64 0.0 24.9 37.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 0.592 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033452.D

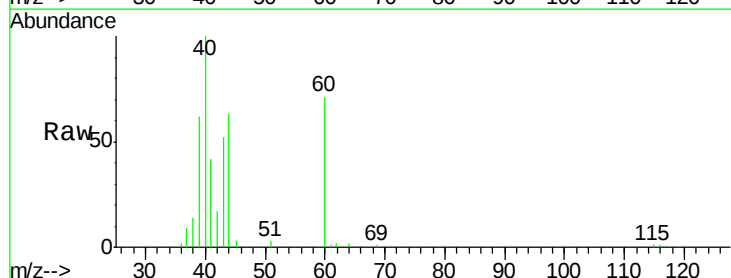
Acq: 26 Mar 2019 1:27

Tgt Ion: 41 Resp: 18459

Ion Ratio Lower Upper

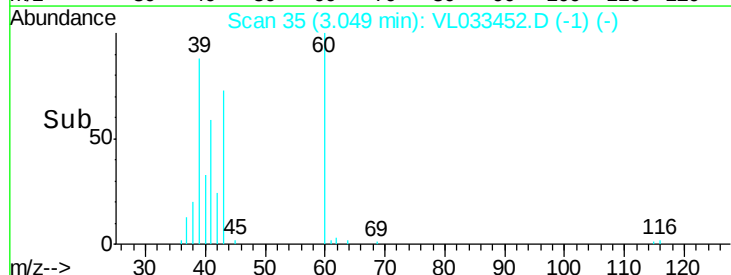
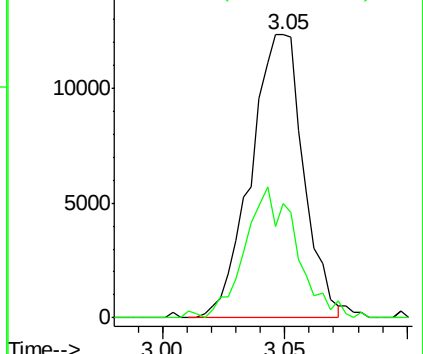
41 100

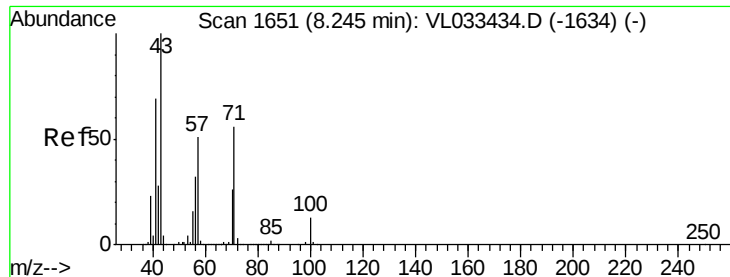
42 45.5 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

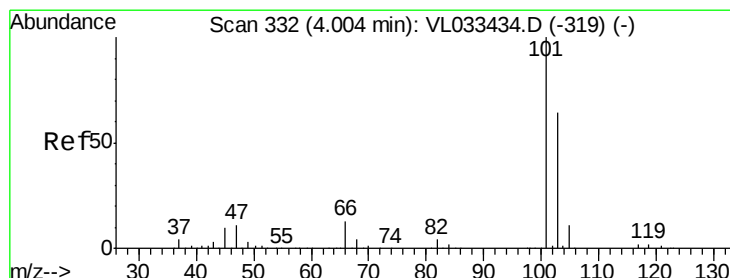
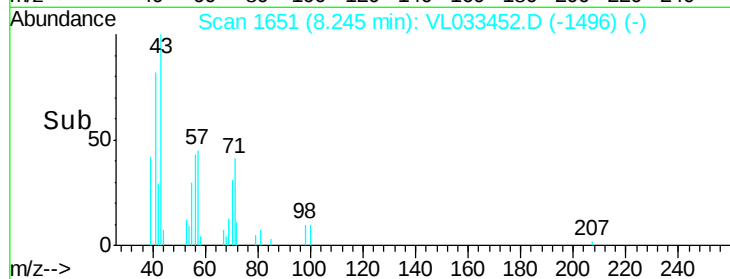
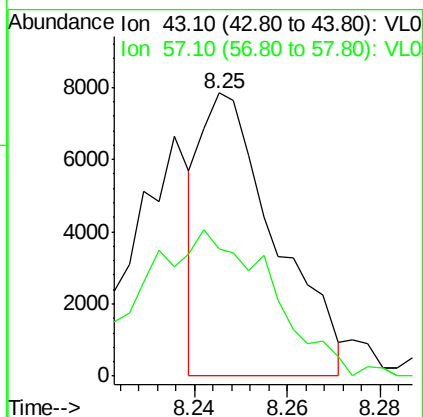
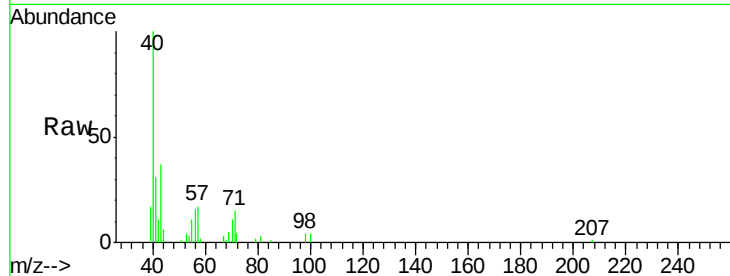




#10
Heptane
Concen: 0.111 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

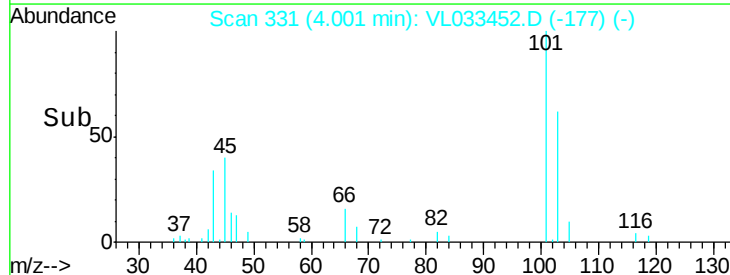
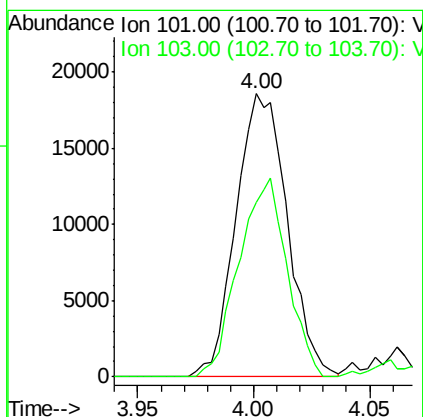
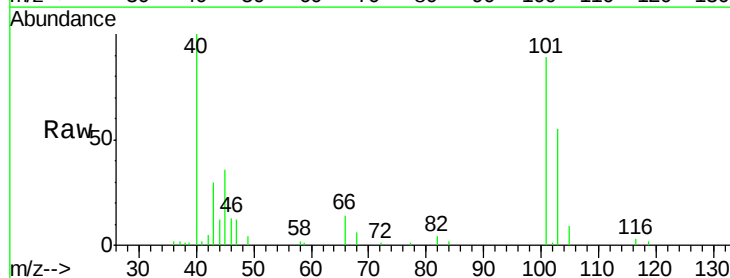
Instrument :
MSVOA_L
ClientSampleId :
IA-2

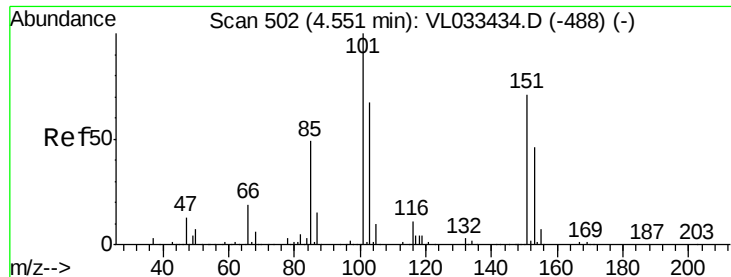
Tgt Ion: 43 Resp: 8708
Ion Ratio Lower Upper
43 100
57 92.3 40.6 60.8#



#11
Trichlorofluoromethane
Concen: 0.246 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 101 Resp: 28527
Ion Ratio Lower Upper
101 100
103 61.6 51.3 76.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.076 ppbv

RT: 4.55 min Scan# 501

Delta R.T. -0.00 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

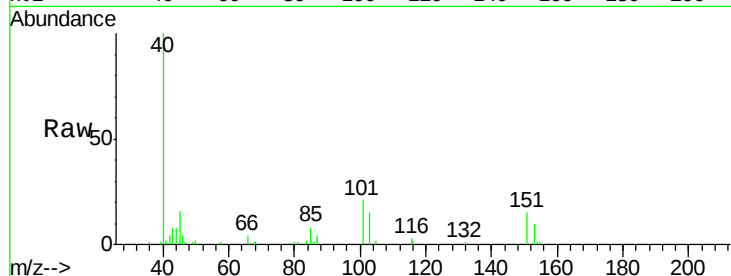
IA-2

Tgt Ion:101 Resp: 5950

Ion Ratio Lower Upper

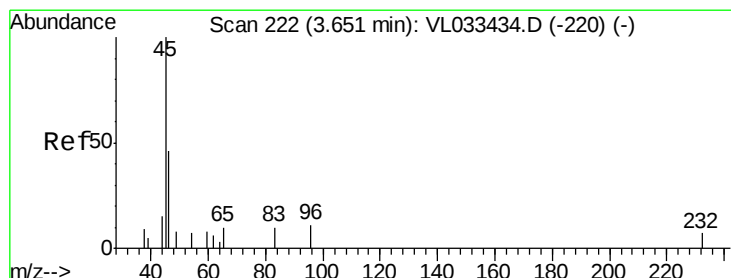
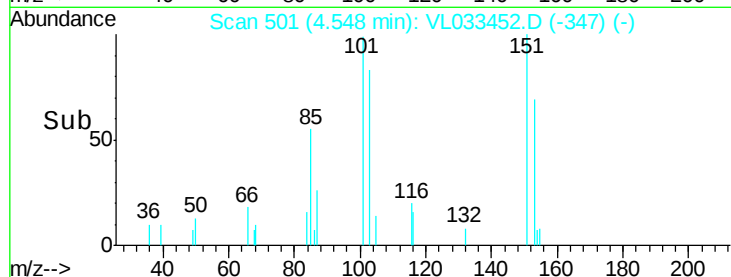
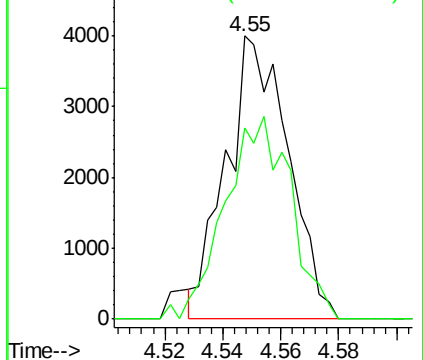
101 100

151 75.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 470.770 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033452.D

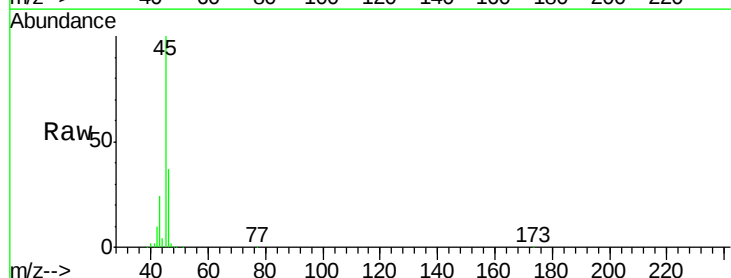
Acq: 26 Mar 2019 1:27

Tgt Ion: 45 Resp: 3461437

Ion Ratio Lower Upper

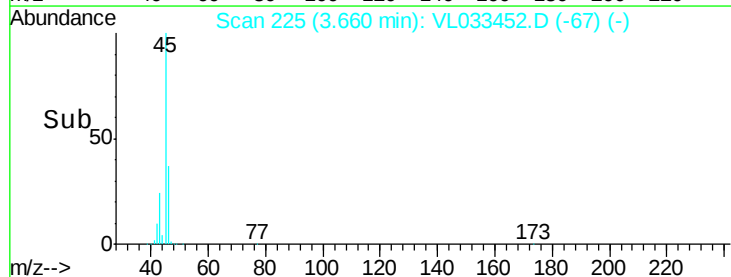
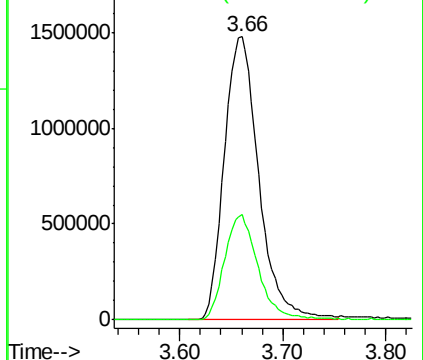
45 100

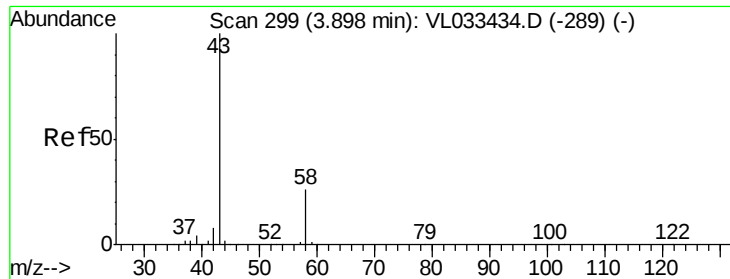
46 36.1 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 26.920 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampled :

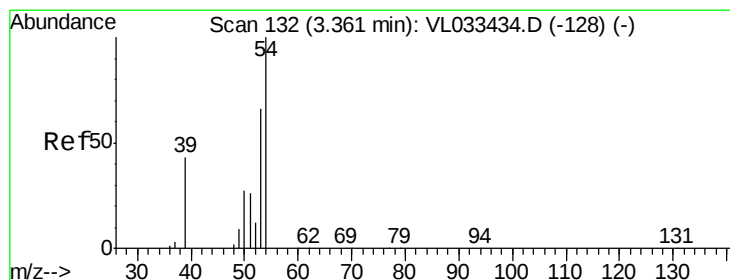
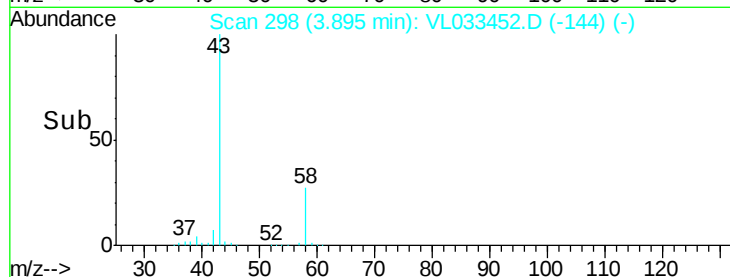
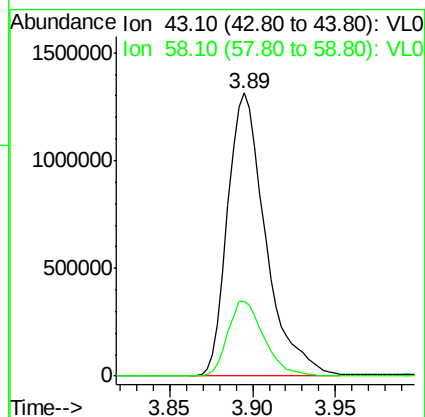
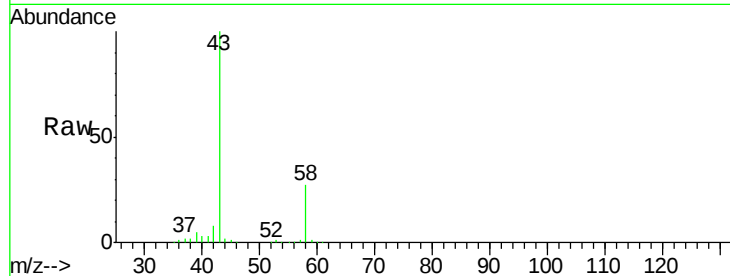
IA-2

Tgt Ion: 43 Resp: 2086261

Ion Ratio Lower Upper

43 100

58 25.6 20.5 30.7



#16

1,3-Butadiene

Concen: 0.192 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033452.D

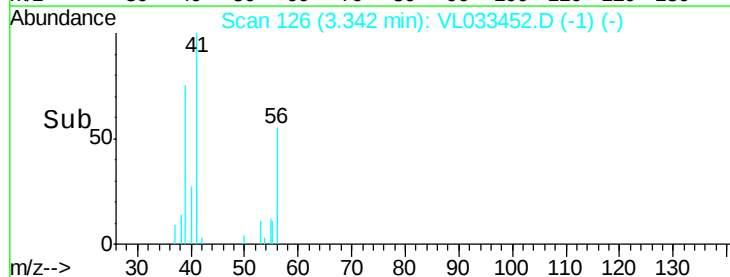
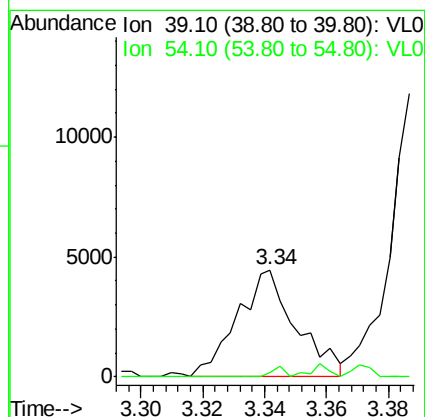
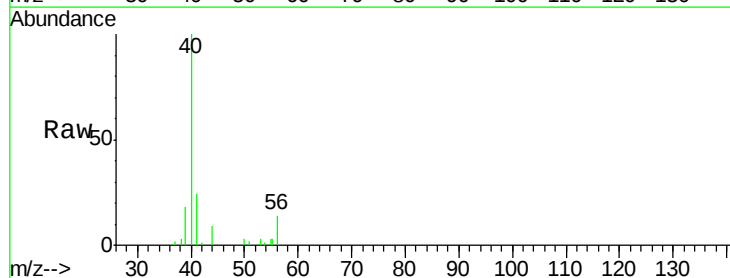
Acq: 26 Mar 2019 1:27

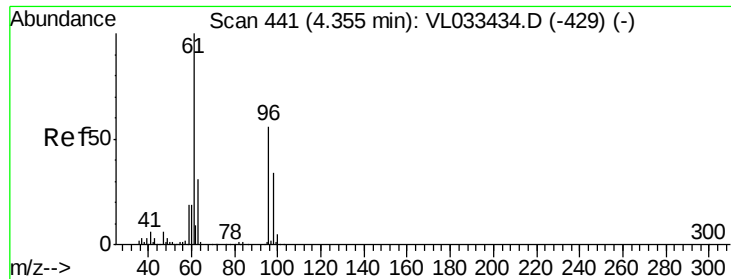
Tgt Ion: 39 Resp: 5887

Ion Ratio Lower Upper

39 100

54 5.7 69.4 104.2#



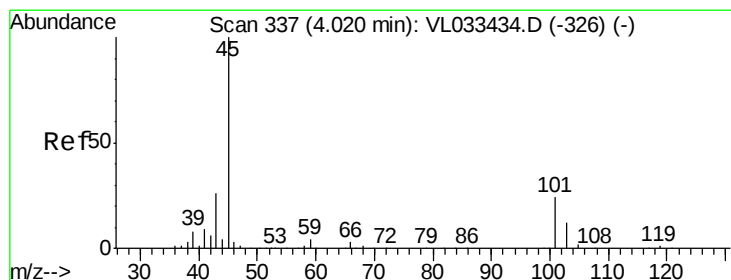
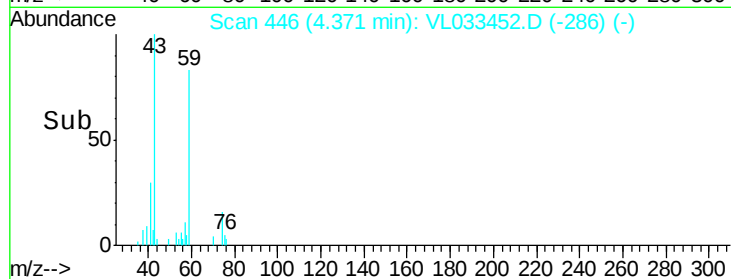
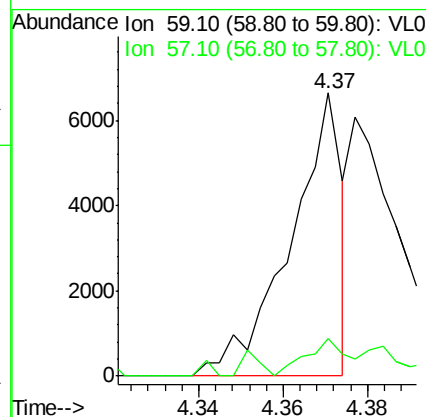
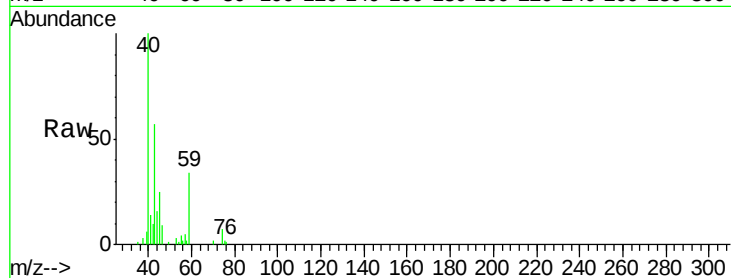


#17

tert-Butyl alcohol
 Concen: 0.394 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VL033452.D
 Acq: 26 Mar 2019 1:27

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

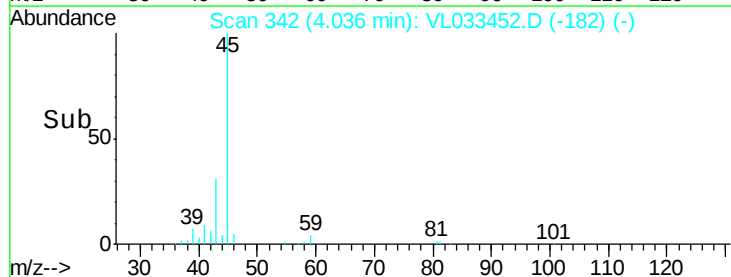
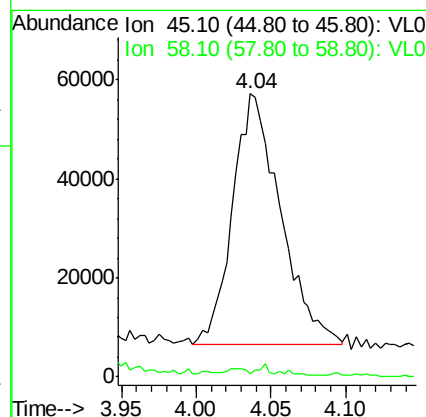
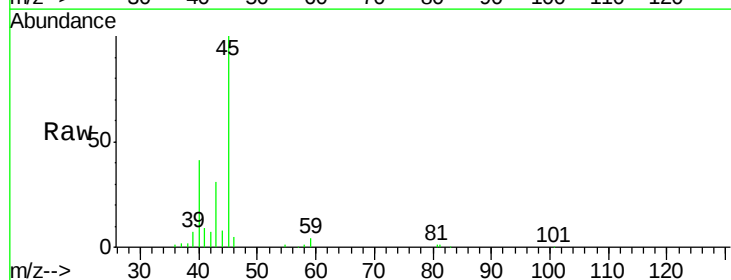
Tgt Ion: 59 Resp: 5619
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

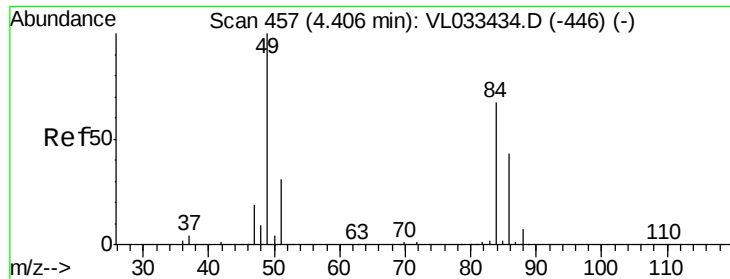


#19

Isopropyl Alcohol
 Concen: 2.297 ppbv
 RT: 4.04 min Scan# 342
 Delta R.T. 0.02 min
 Lab File: VL033452.D
 Acq: 26 Mar 2019 1:27

Tgt Ion: 45 Resp: 112619
 Ion Ratio Lower Upper
 45 100
 58 474.9 1.4 2.2#

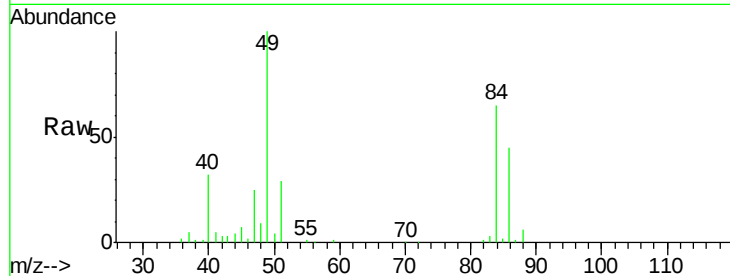




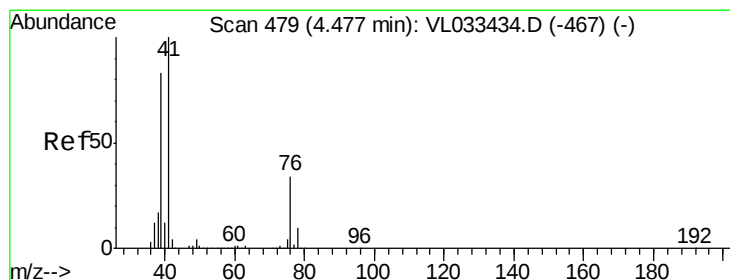
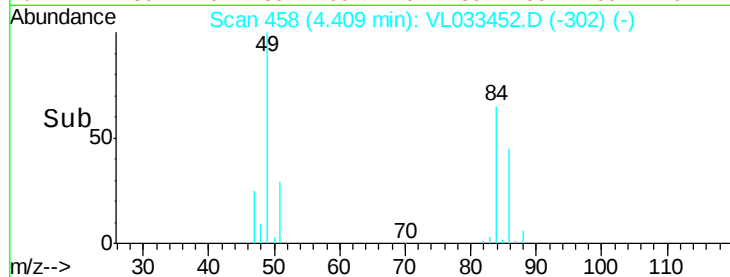
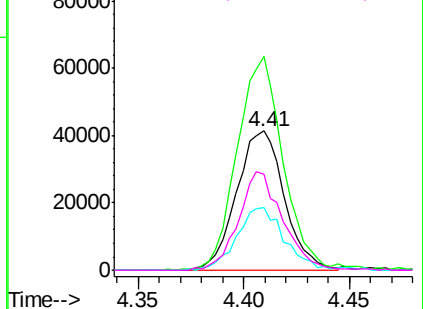
#20
Methylene Chloride
Concen: 1.991 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 84 Resp: 65504
Ion Ratio Lower Upper
84 100
49 152.6 120.0 180.0
51 43.9 36.7 55.1
86 69.2 51.9 77.9

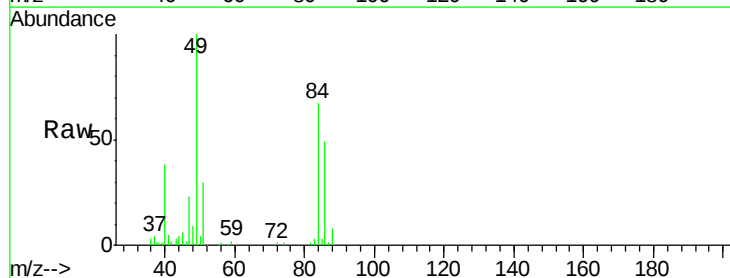


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

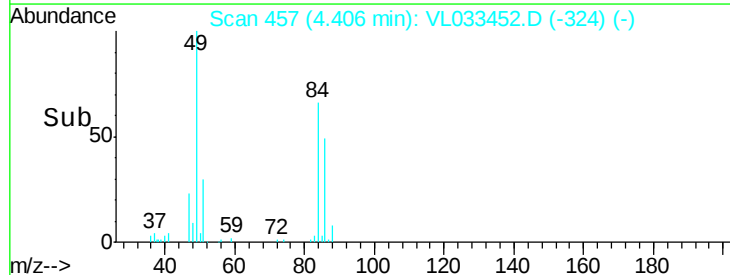
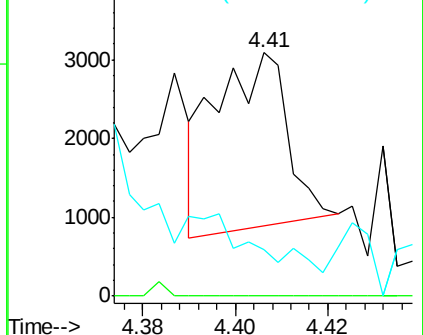


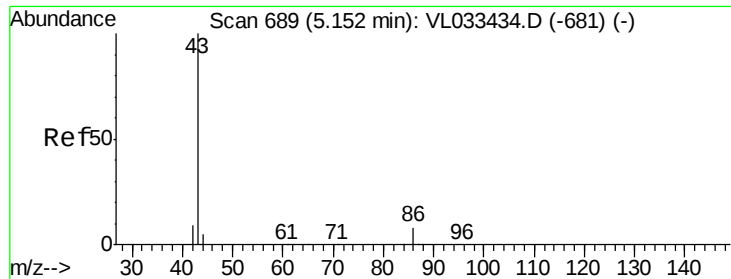
#21
Allyl Chloride
Concen: 0.049 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.07 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 41 Resp: 2393
Ion Ratio Lower Upper
41 100
76 0.0 25.4 38.2#
39 0.0 65.3 97.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.112 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampled :

IA-2

Tgt Ion: 43 Resp: 12303

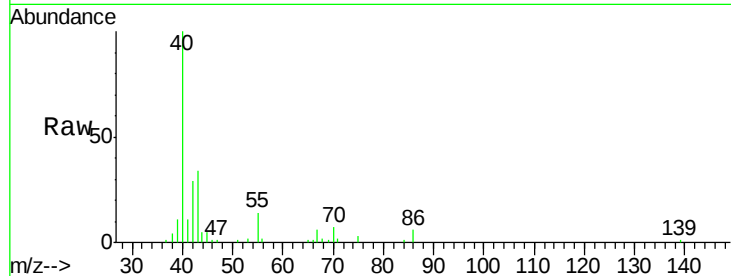
Ion Ratio Lower Upper

43 100

86 18.7 5.6 8.4#

42 77.3 8.0 12.0#

44 6.9 3.9 5.9#

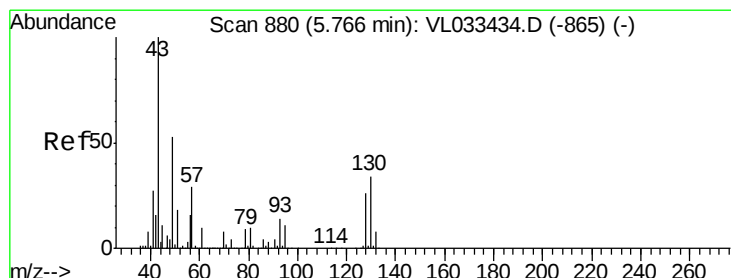
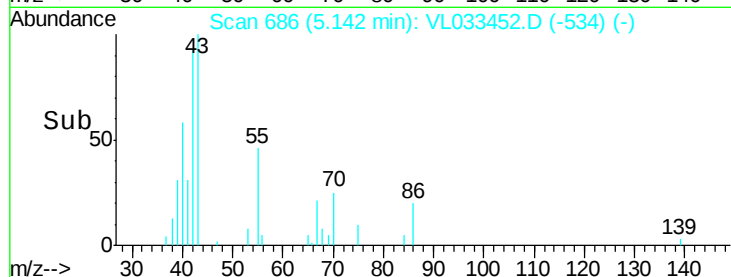
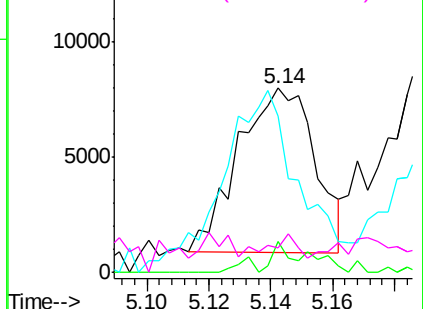


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.745 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Tgt Ion: 43 Resp: 107187

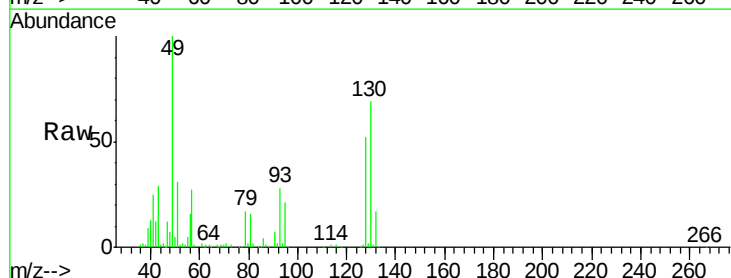
Ion Ratio Lower Upper

43 100

45 9.6 7.8 11.6

61 6.0 7.3 10.9#

70 4.9 5.6 8.4#

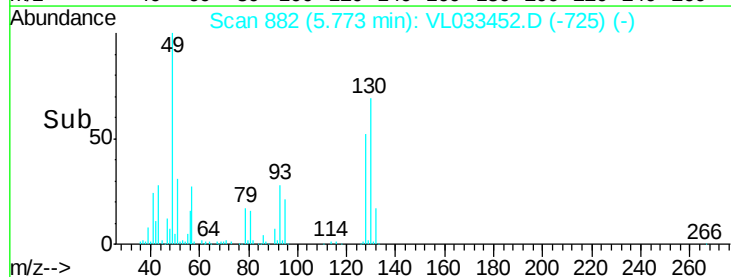
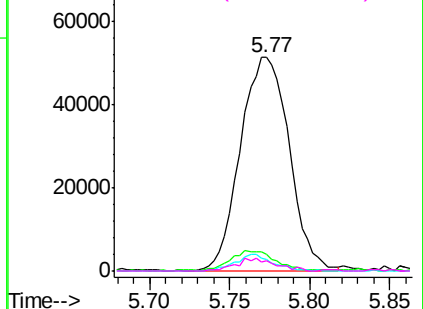


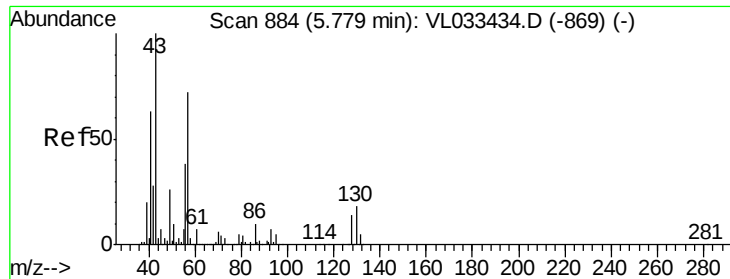
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

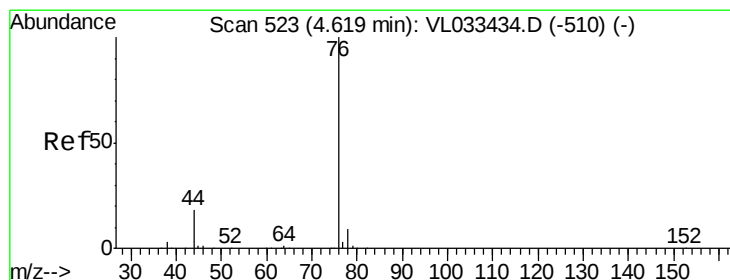
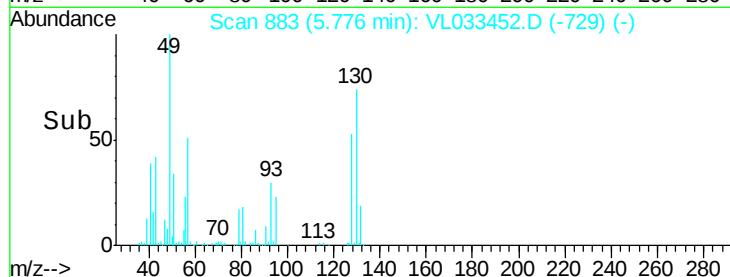
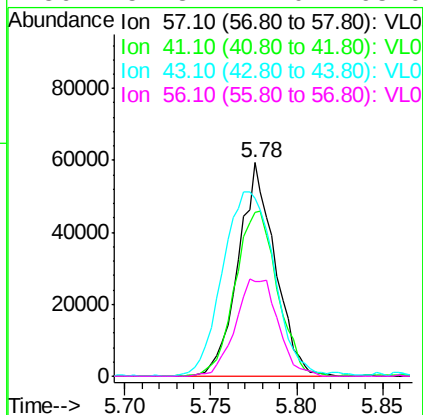
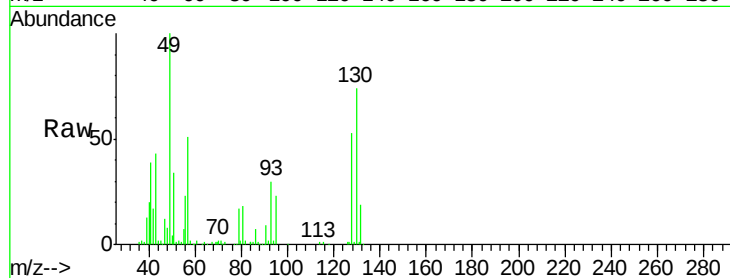




#26
Hexane
Concen: 1.387 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

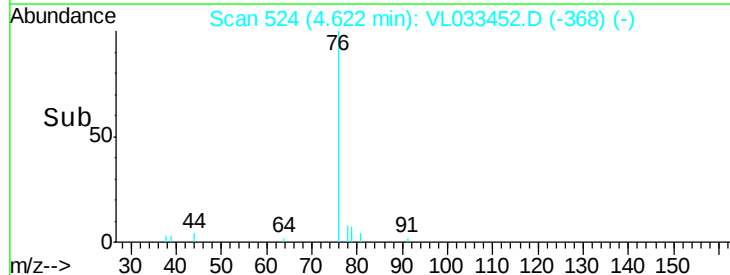
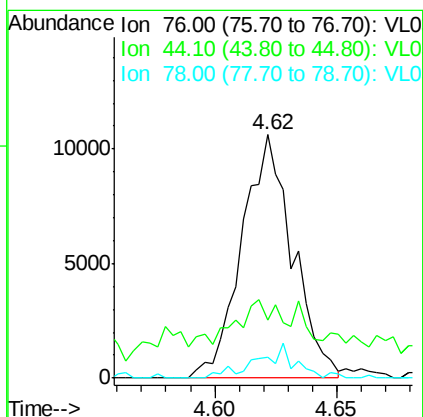
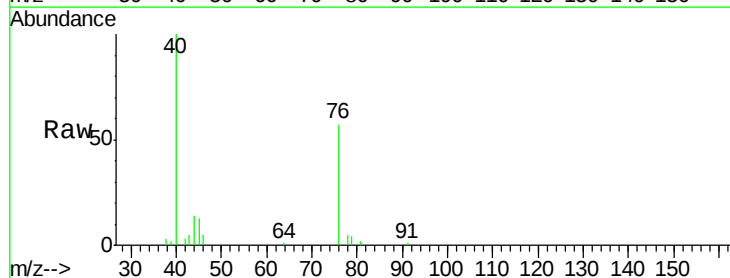
Instrument :
MSVOA_L
ClientSampleId :
IA-2

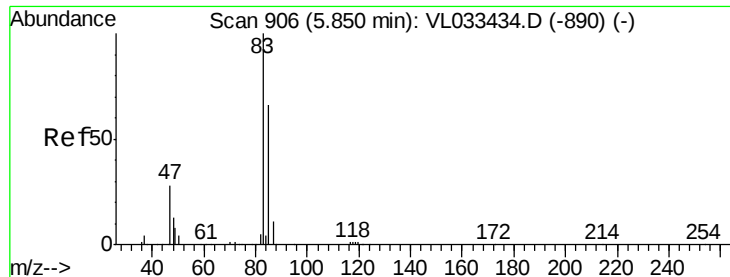
Tgt Ion: 57 Resp: 88686
Ion Ratio Lower Upper
57 100
41 89.1 70.7 106.1
43 121.8 182.6 274.0#
56 52.3 42.0 63.0



#27
Carbon Disulfide
Concen: 0.202 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 76 Resp: 15336
Ion Ratio Lower Upper
76 100
44 39.1 14.8 22.2#
78 10.7 7.6 11.4

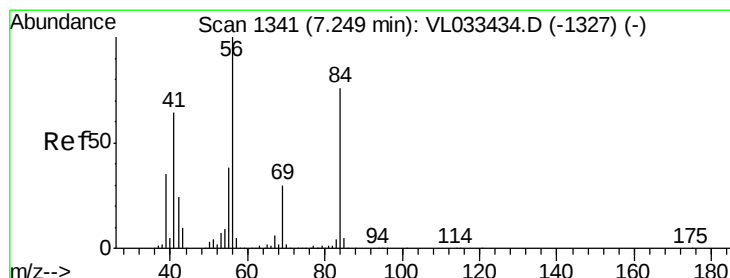
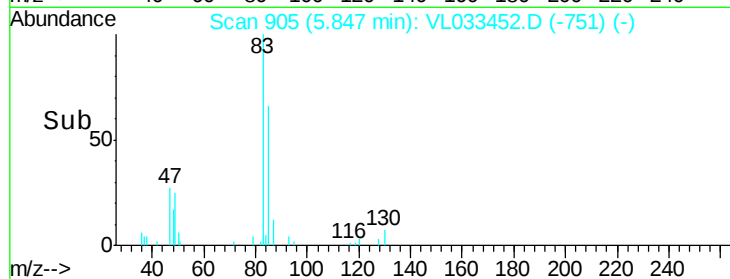
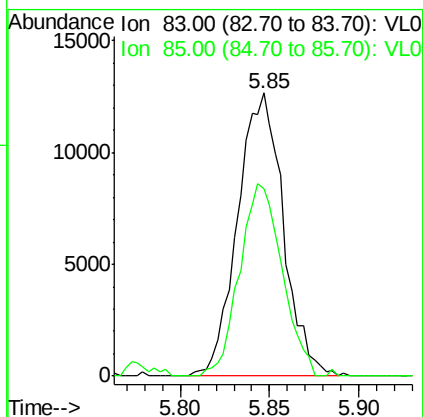
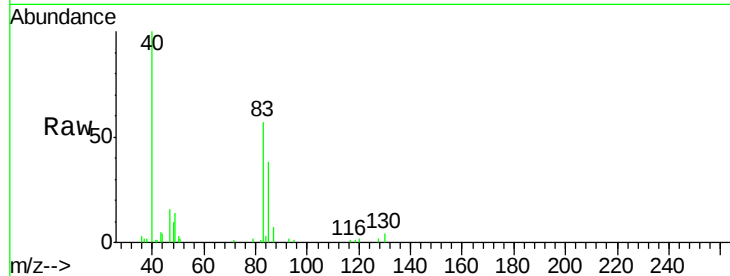




#29
Chloroform
Concen: 0.206 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

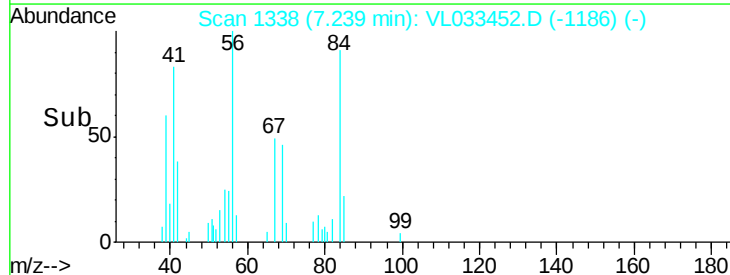
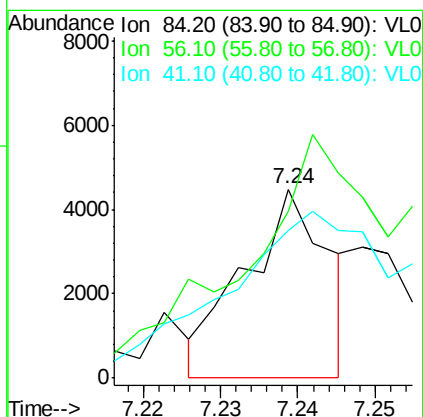
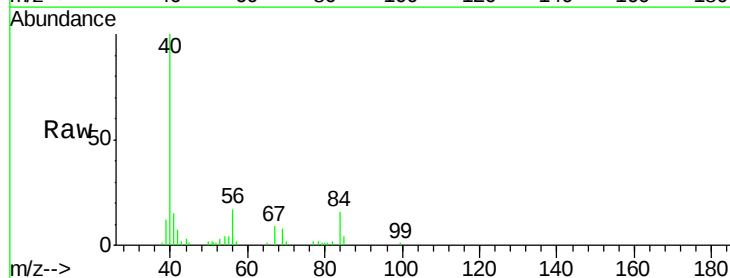
Instrument :
MSVOA_L
ClientSampleId :
IA-2

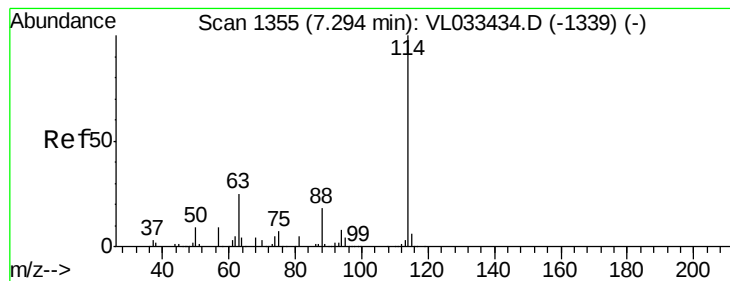
Tgt Ion: 83 Resp: 22600
Ion Ratio Lower Upper
83 100
85 66.2 52.6 79.0



#30
Cyclohexane
Concen: 0.067 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 84 Resp: 3368
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 238.3 68.2 102.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

IA-2

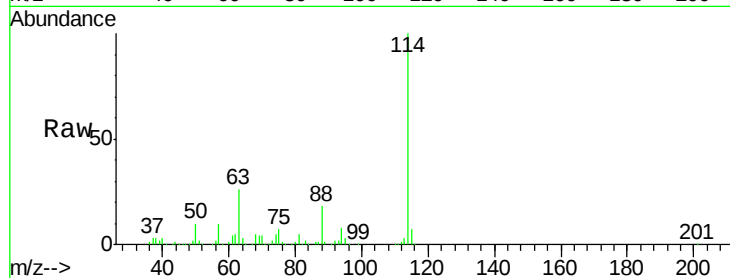
Tgt Ion:114 Resp: 1468481

Ion Ratio Lower Upper

114 100

63 26.6 21.5 32.3

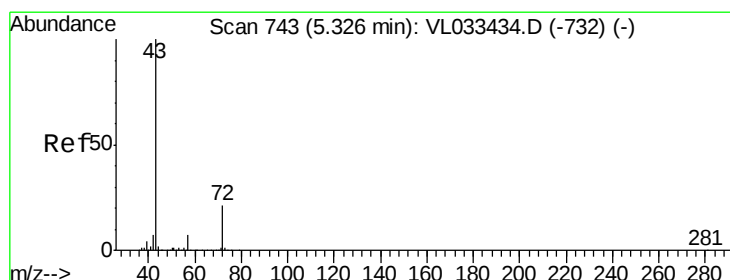
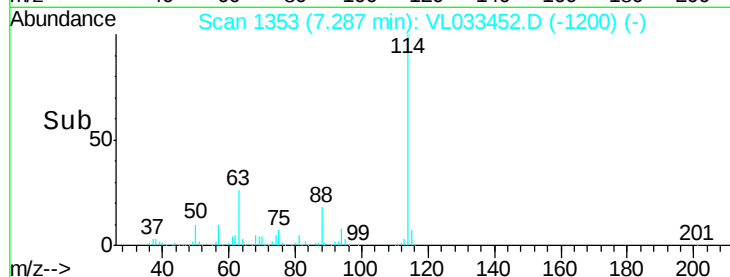
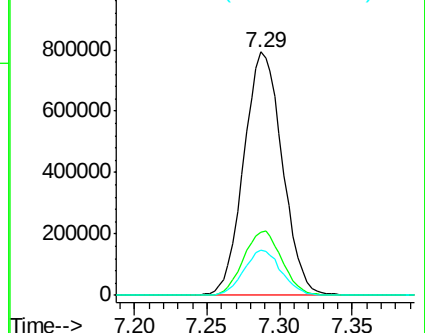
88 17.9 14.5 21.7



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: 1.236 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033452.D

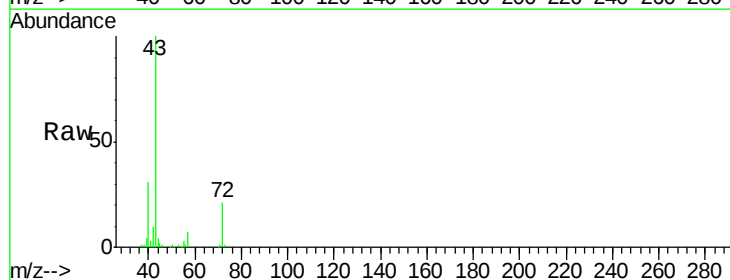
Acq: 26 Mar 2019 1:27

Tgt Ion: 43 Resp: 109017

Ion Ratio Lower Upper

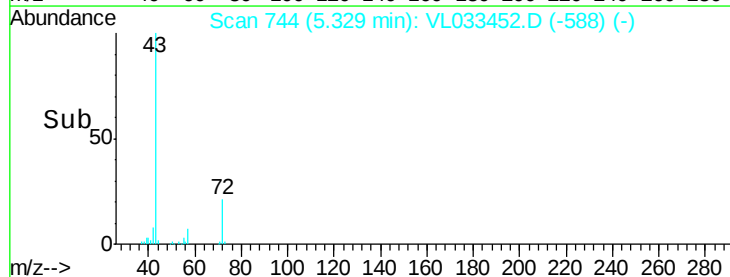
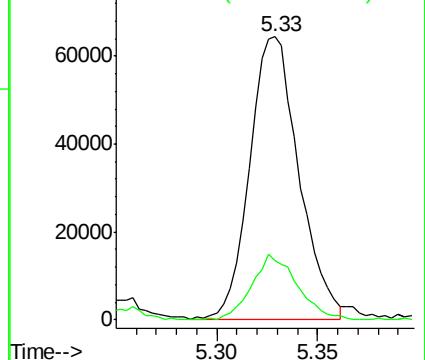
43 100

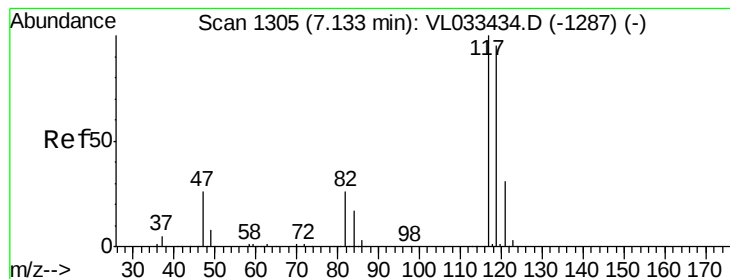
72 21.7 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.034 ppbv

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampled :

IA-2

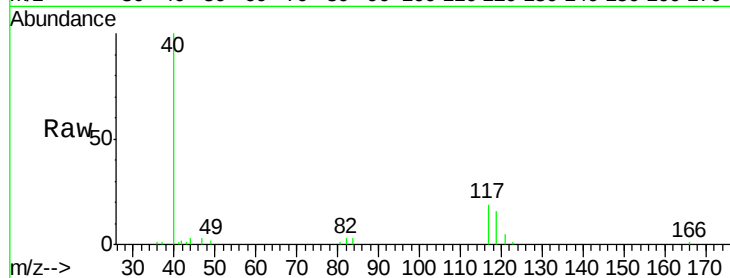
Tgt Ion:117 Resp: 3290

Ion Ratio Lower Upper

117 100

119 79.7 75.8 113.8

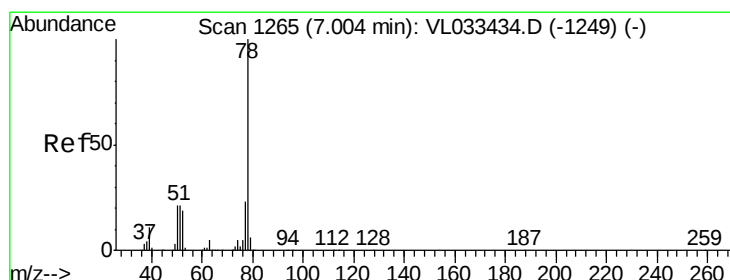
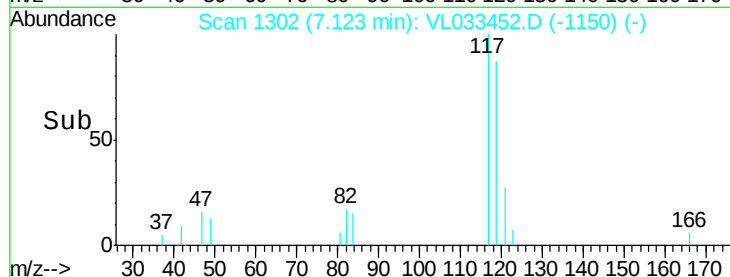
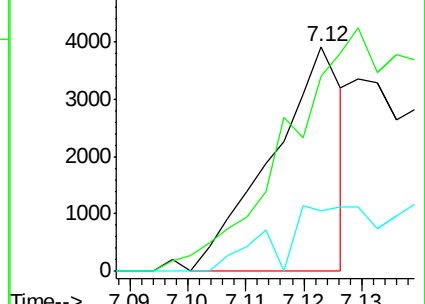
121 26.7 24.7 37.1



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: 0.153 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

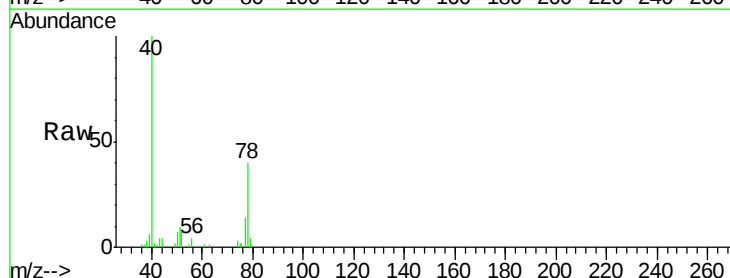
Tgt Ion: 78 Resp: 18837

Ion Ratio Lower Upper

78 100

77 35.9 18.1 27.1#

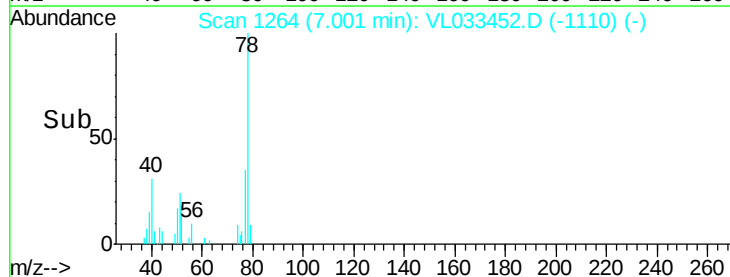
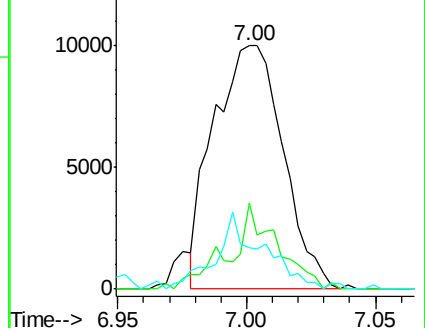
50 14.9 16.7 25.1#

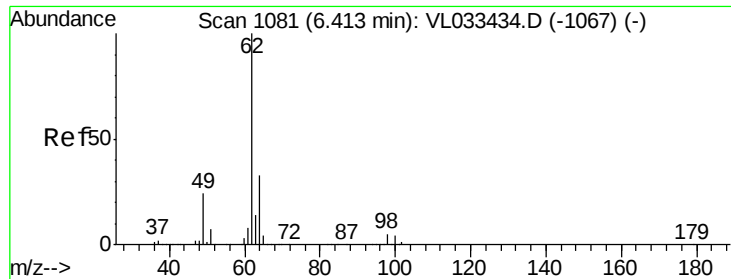


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

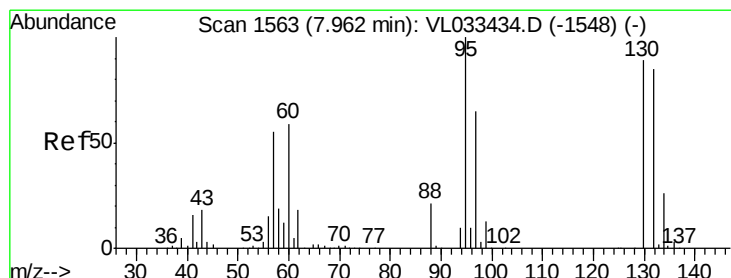
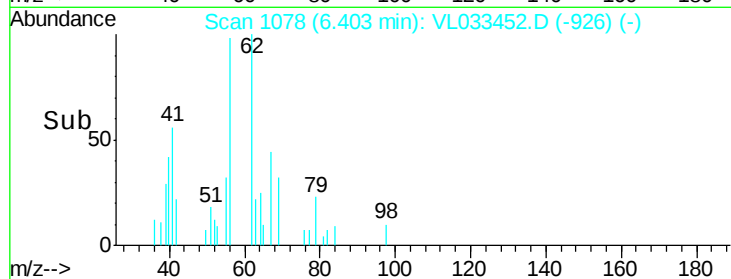
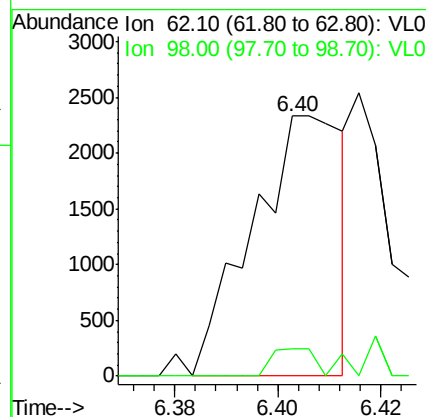
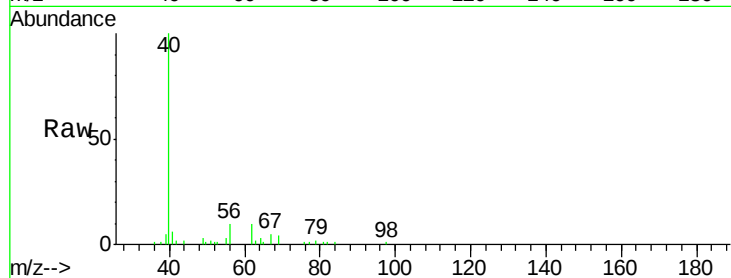




#37
 1,2-Dichloroethane
 Concen: 0.034 ppbv
 RT: 6.40 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL033452.D
 Acq: 26 Mar 2019 1:27

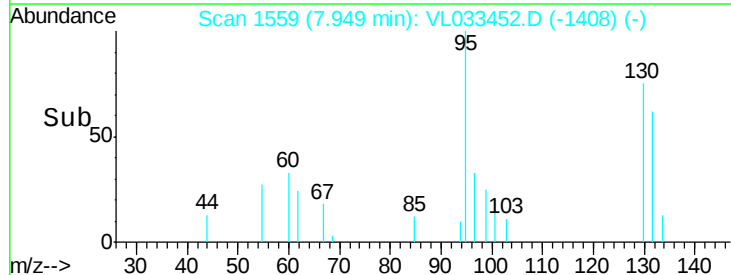
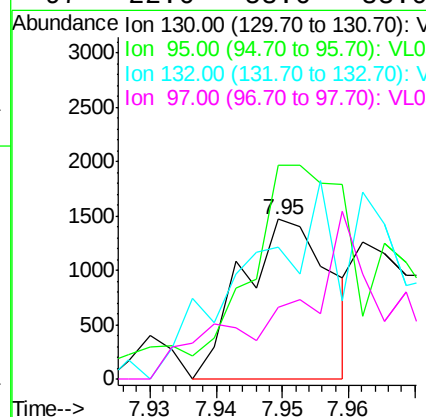
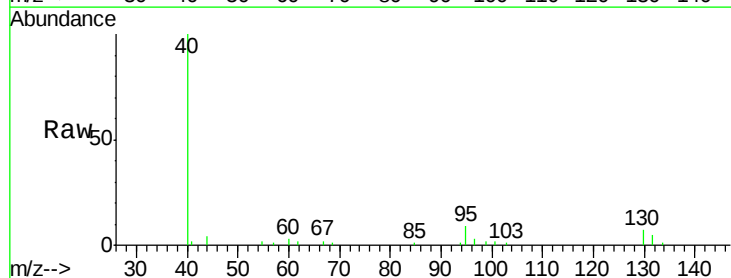
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

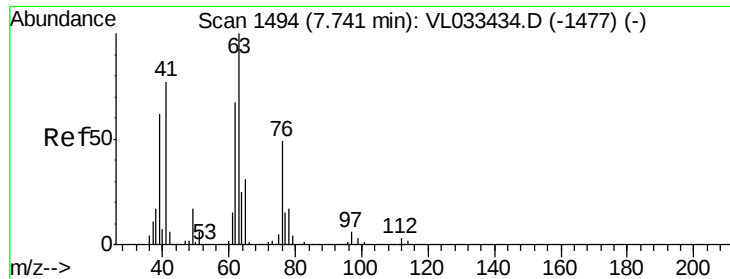
Tgt Ion: 62 Resp: 2826
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.4 6.6#



#38
 Trichloroethene
 Concen: 0.029 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL033452.D
 Acq: 26 Mar 2019 1:27

Tgt Ion: 130 Resp: 1361
 Ion Ratio Lower Upper
 130 100
 95 119.6 89.8 134.8
 132 33.4 76.6 115.0#
 97 22.6 58.6 88.0#





#39

1,2-Dichloropropane

Concen: 7.979 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

IA-2

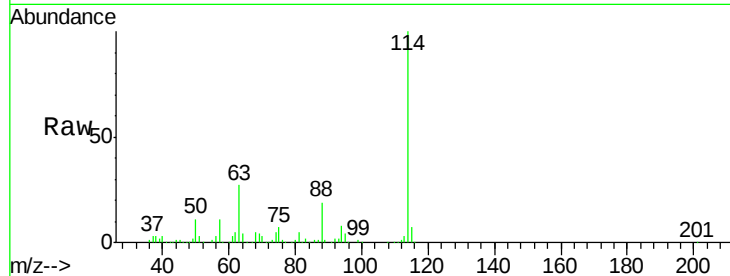
Tgt Ion: 63 Resp: 385101

Ion Ratio Lower Upper

63 100

41 0.0 61.2 91.8#

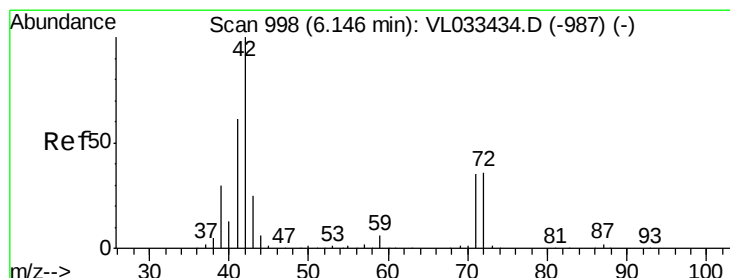
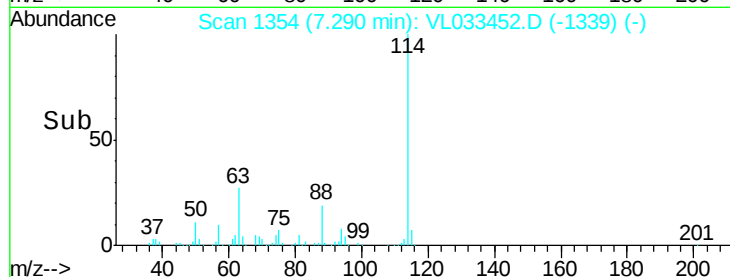
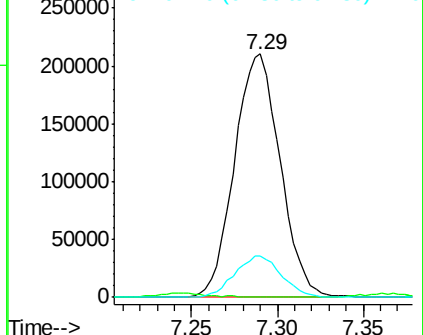
62 16.9 54.0 81.0#



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



#41

Tetrahydrofuran

Concen: 0.409 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

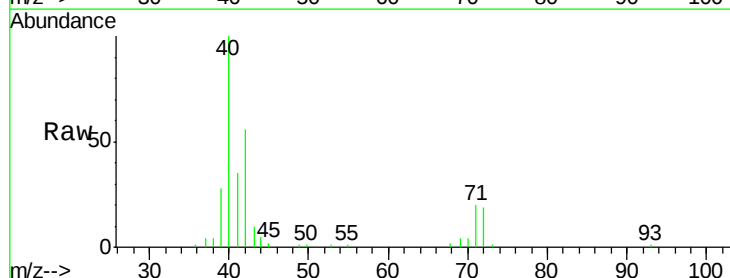
Tgt Ion: 42 Resp: 19848

Ion Ratio Lower Upper

42 100

72 39.8 30.2 45.2

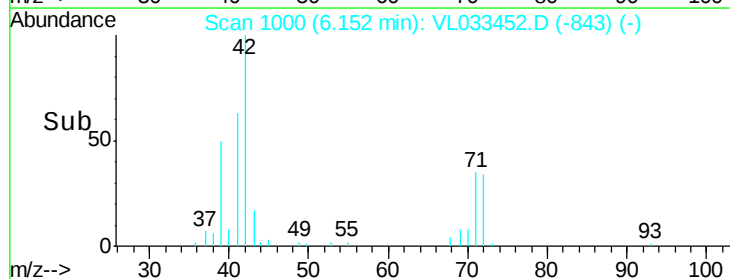
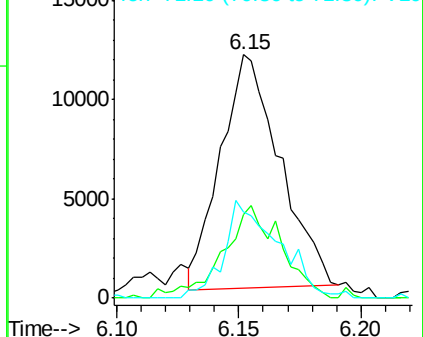
71 38.8 29.4 44.2

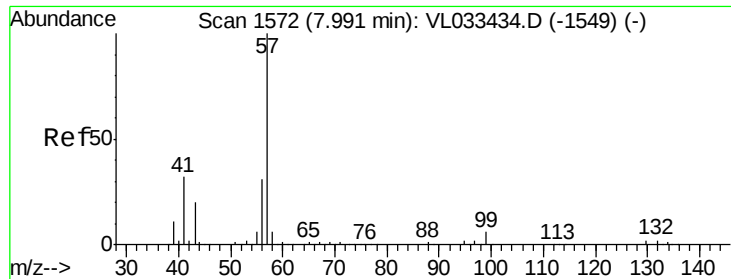


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

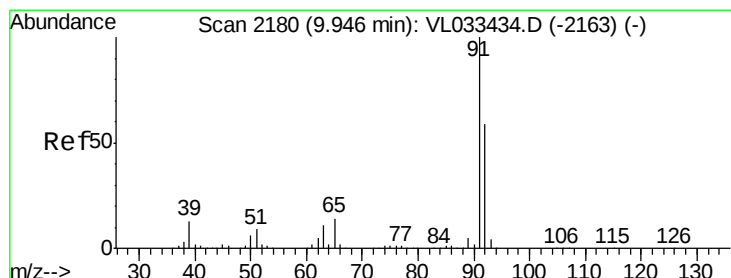
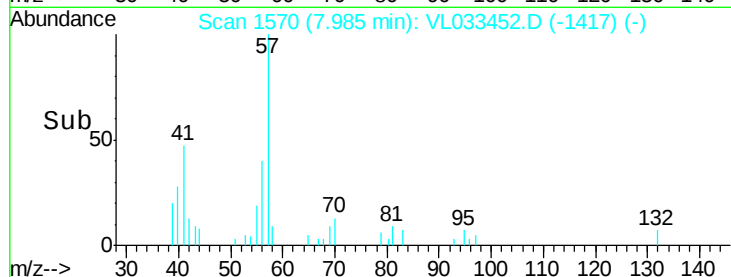
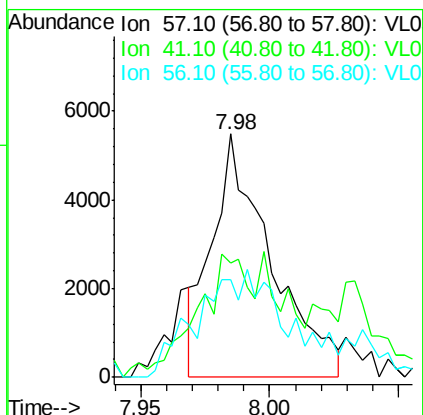
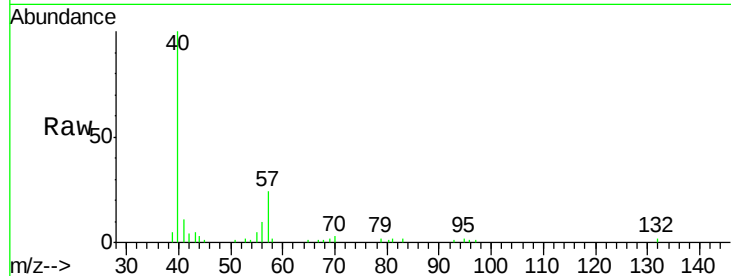




#44
 2,2,4-Trimethylpentane
 Concen: 0.041 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL033452.D
 Acq: 26 Mar 2019 1:27

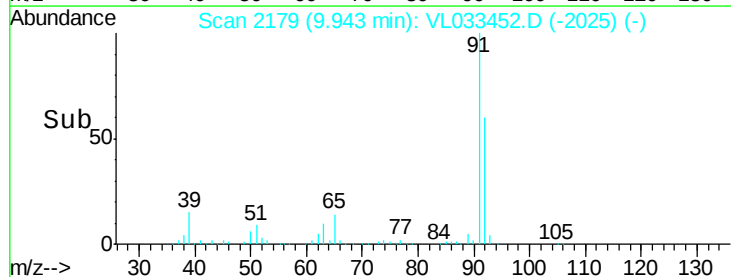
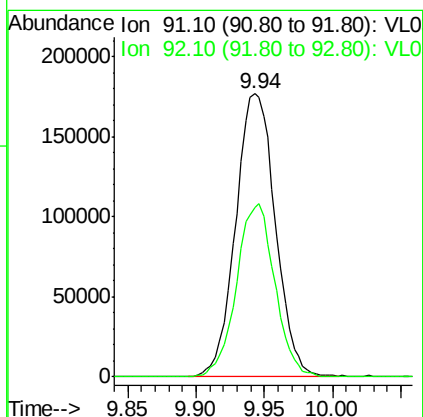
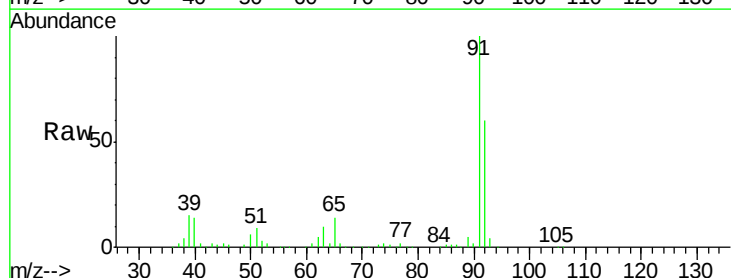
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

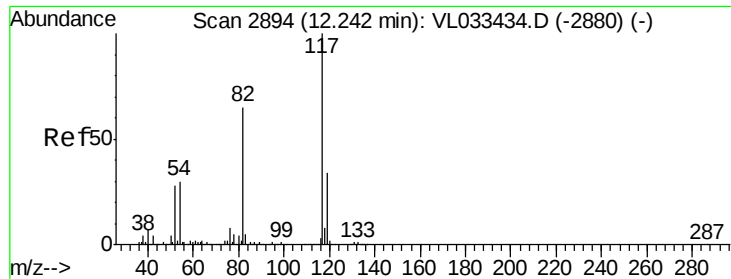
Tgt Ion: 57 Resp: 8725
 Ion Ratio Lower Upper
 57 100
 41 70.7 26.0 39.0#
 56 79.9 24.6 37.0#



#53
 Toluene
 Concen: 2.500 ppbv
 RT: 9.94 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL033452.D
 Acq: 26 Mar 2019 1:27

Tgt Ion: 91 Resp: 358016
 Ion Ratio Lower Upper
 91 100
 92 59.0 47.4 71.0

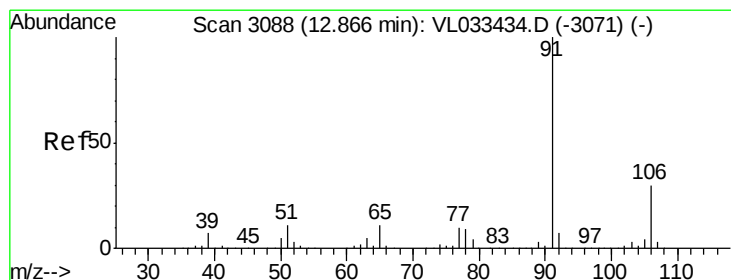
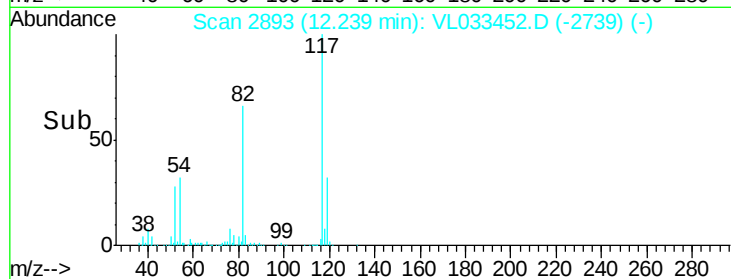
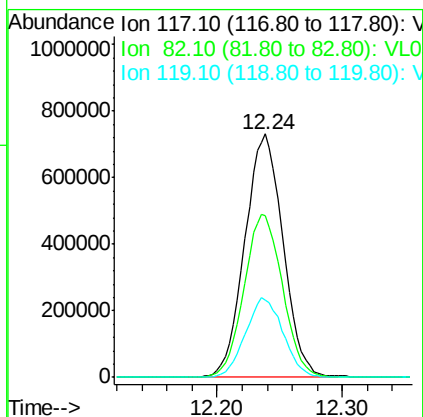
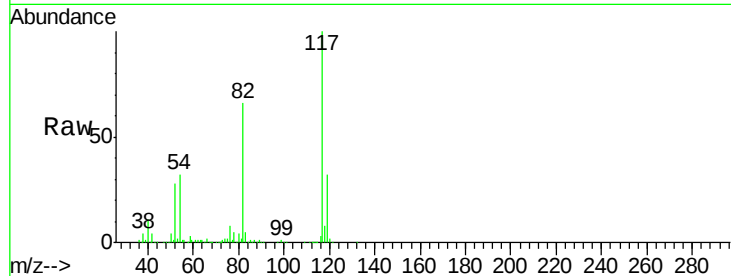




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

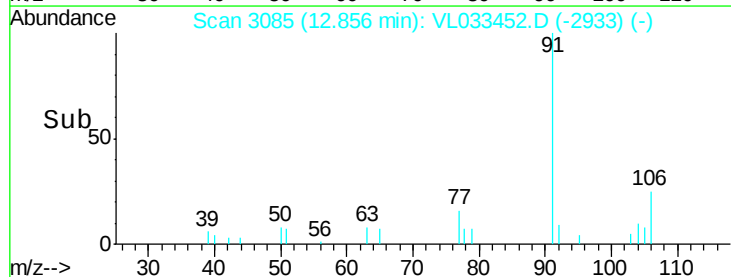
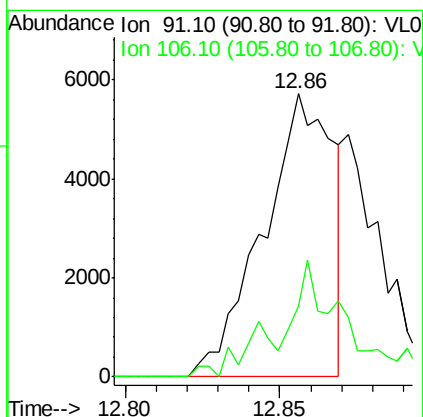
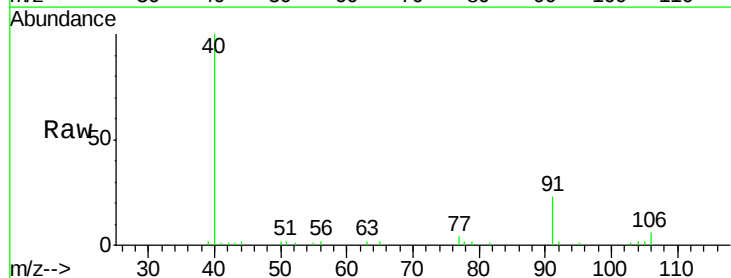
Instrument :
MSVOA_L
ClientSampleId :
IA-2

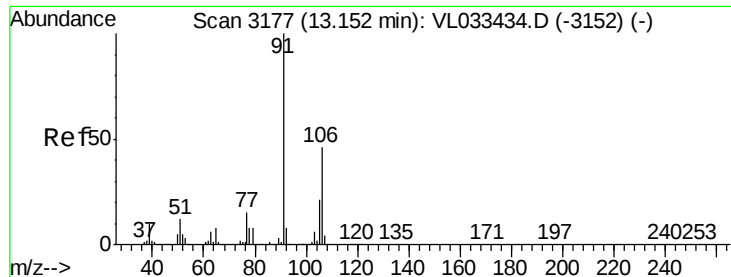
Tgt Ion: 117 Resp: 1551110
Ion Ratio Lower Upper
117 100
82 67.4 51.5 77.3
119 32.4 25.5 38.3



#58
Ethyl Benzene
Concen: 0.043 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 91 Resp: 8941
Ion Ratio Lower Upper
91 100
106 24.9 23.8 35.6

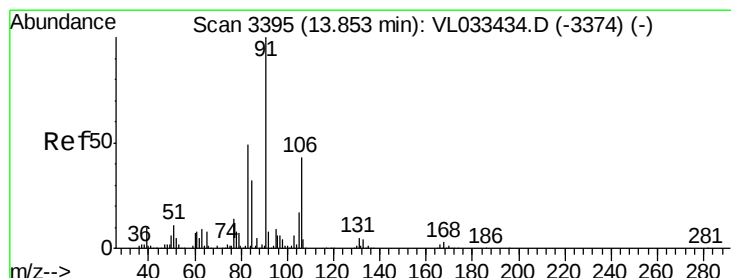
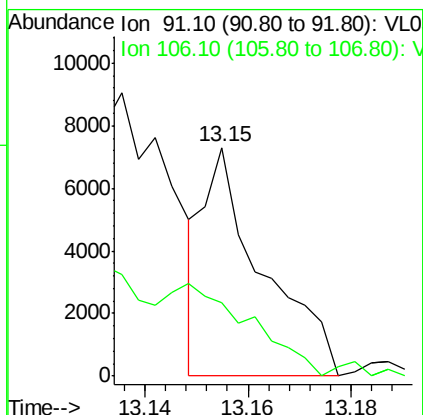
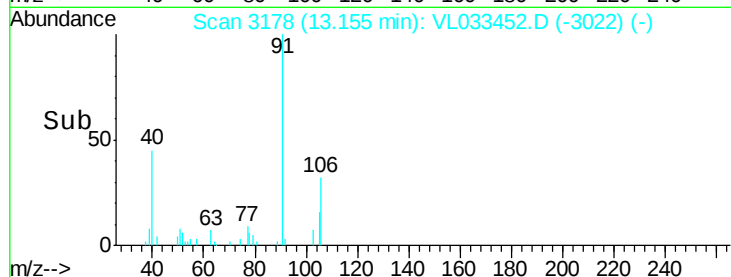
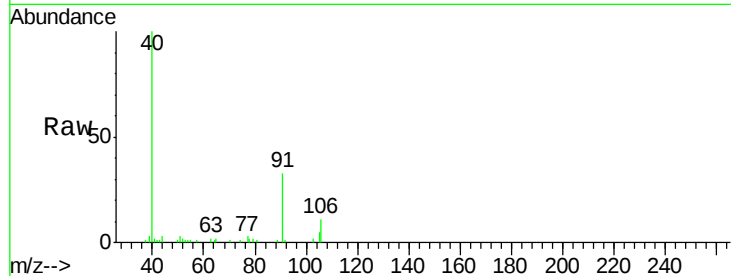




#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

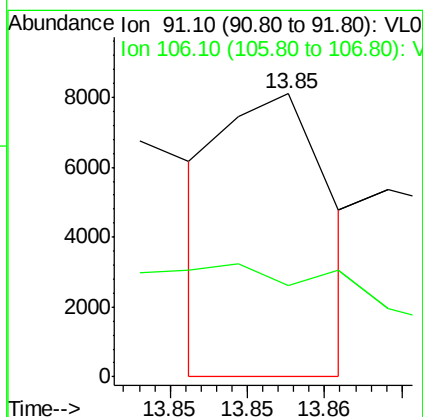
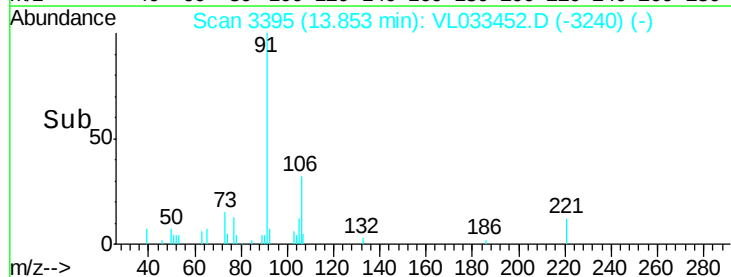
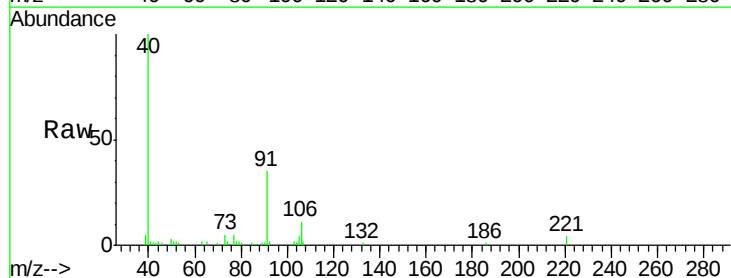
Instrument :
MSVOA_L
ClientSampleId :
IA-2

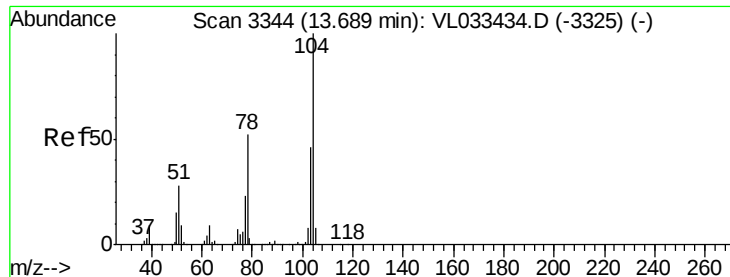
Tgt Ion: 91 Resp: 5824
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.022 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 91 Resp: 3922
Ion Ratio Lower Upper
91 100
106 0.0 21.4 64.3#

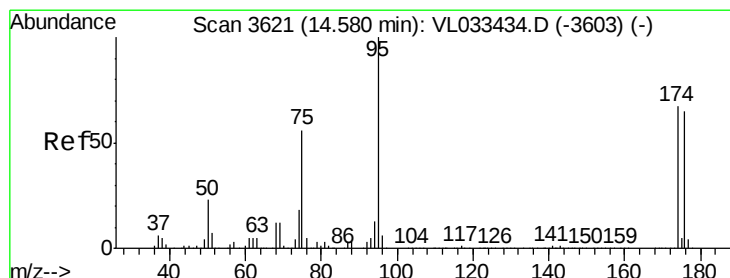
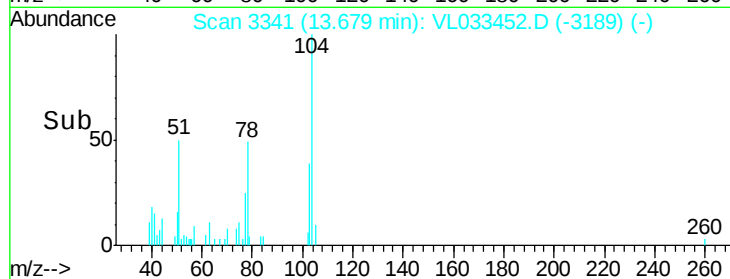
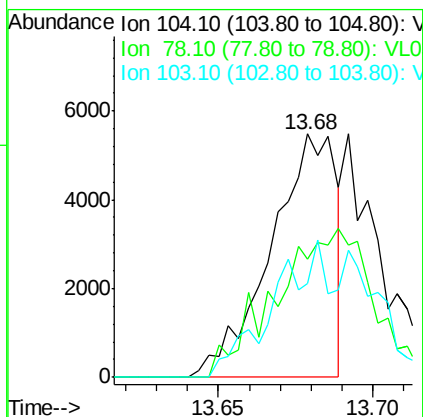
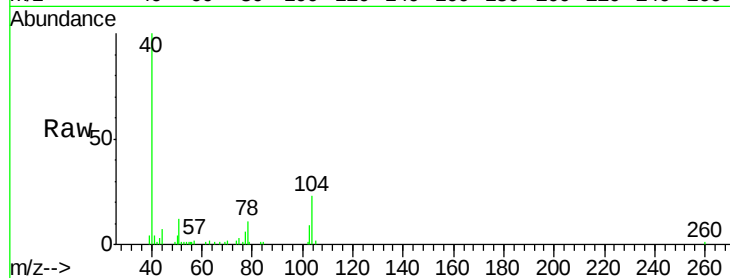




#61
Styrene
Concen: 0.066 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

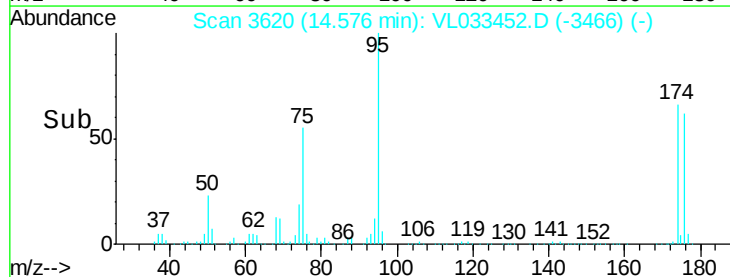
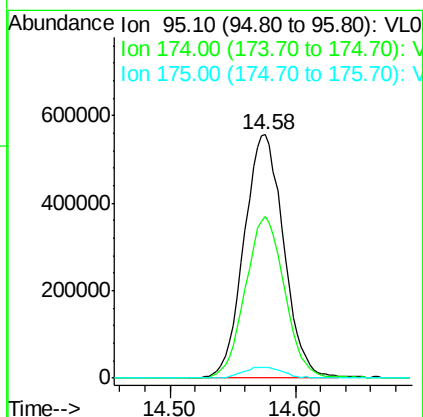
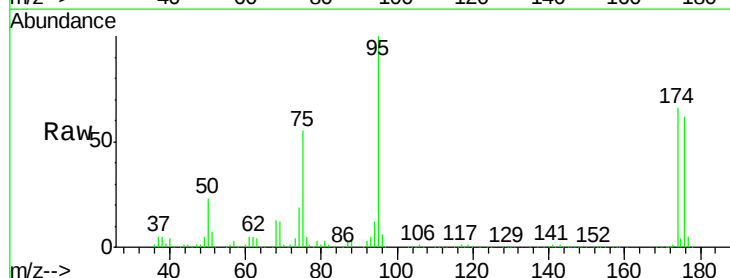
Instrument :
MSVOA_L
ClientSampleId :
IA-2

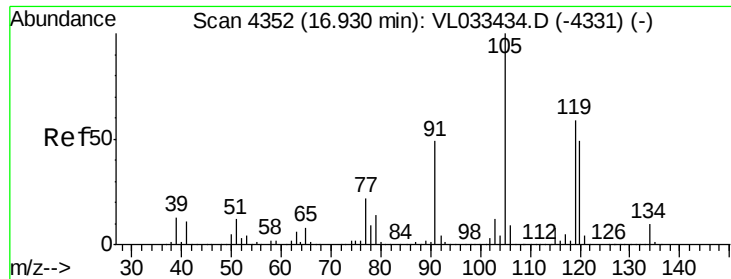
Tgt Ion: 104 Resp: 8057
Ion Ratio Lower Upper
104 100
78 0.0 43.2 64.8#
103 79.1 37.8 56.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.058 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033452.D
Acq: 26 Mar 2019 1:27

Tgt Ion: 95 Resp: 1223018
Ion Ratio Lower Upper
95 100
174 66.2 52.9 79.3
175 4.6 3.8 5.6





#74

1,2,4-Trimethylbenzene

Concen: 0.062 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

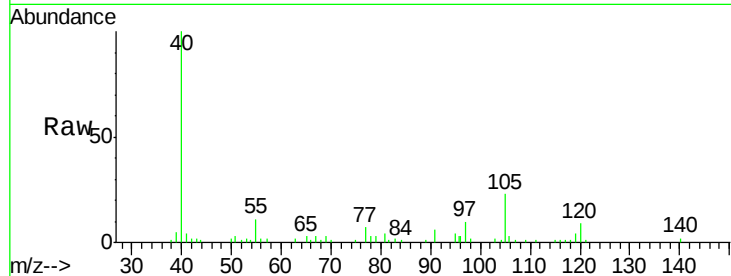
Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:	105	Resp:	12767
Ion	Ratio	Lower	Upper
105	100		
120	35.7	39.0	58.6#
91	23.2	40.0	60.0#
77	25.8	17.5	26.3

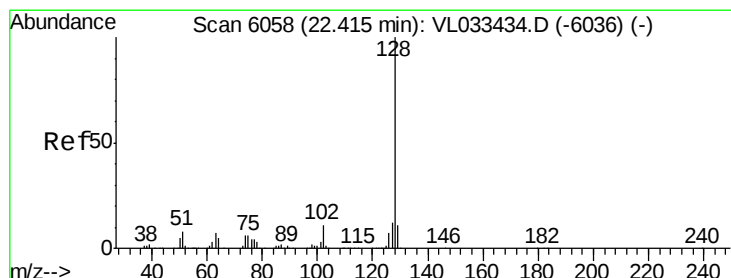
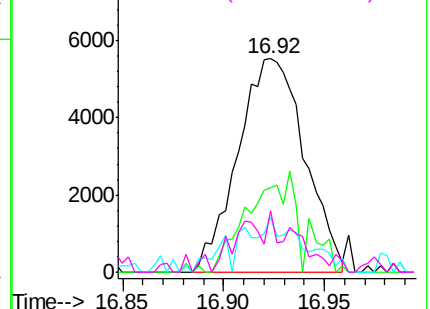
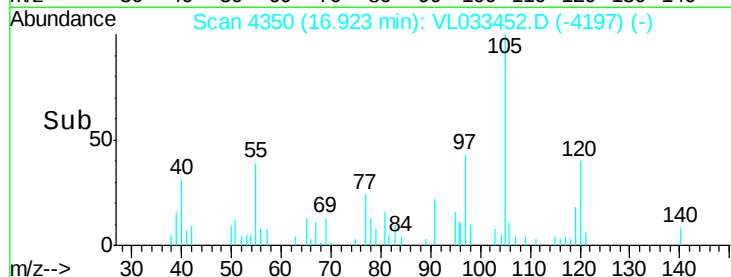


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.047 ppbv

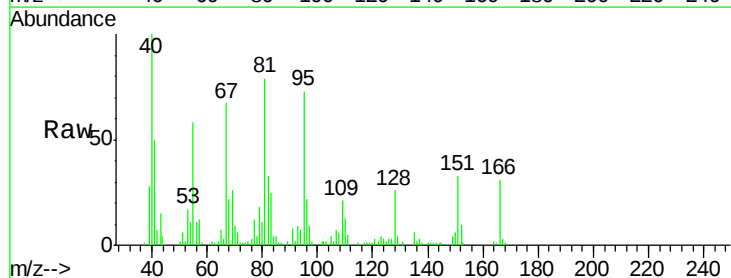
RT: 22.41 min Scan# 6056

Delta R.T. -0.01 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

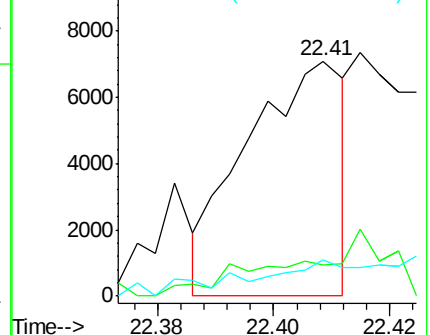
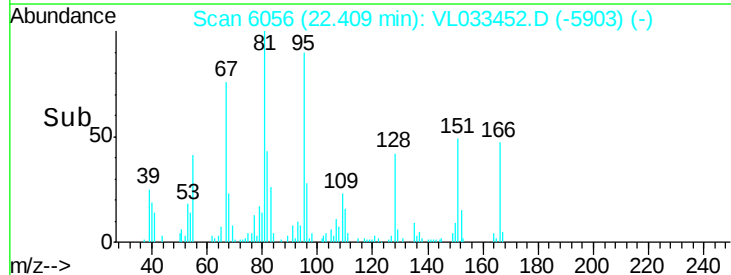
Tgt Ion:	128	Resp:	8325
Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.8	14.8
129	13.1	8.6	12.8#

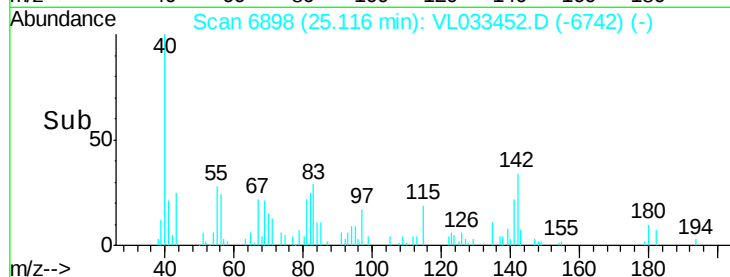
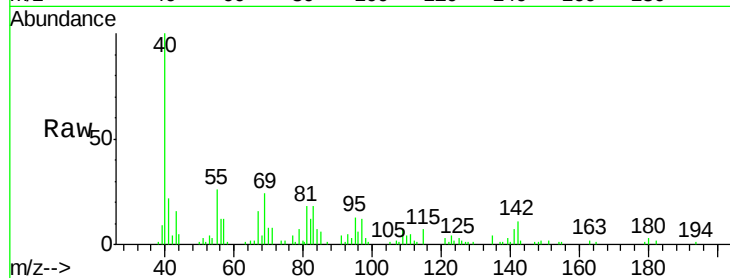
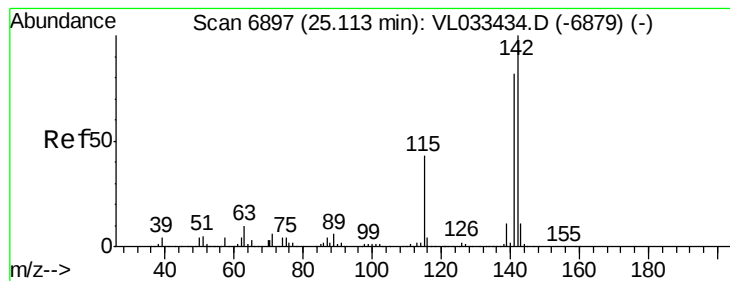


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.099 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL033452.D

Acq: 26 Mar 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:142 Resp: 5887

Ion Ratio Lower Upper

142 100

141 90.2 66.6 99.8

115 63.2 34.4 51.6#

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

