

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033345.D
 Acq On : 16 Mar 2019 00:24
 Operator : SY/AP
 Sample : K1827-07
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

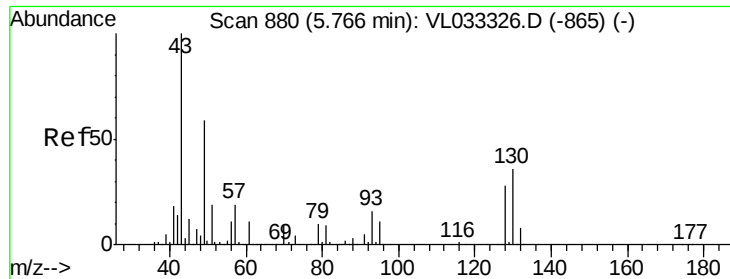
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	754995	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1697479	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1694884	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1262201	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	37843	0.285	ppbv 97
3) Chlorodifluoromethane	3.02	51	301701	3.482	ppbv # 83
4) Chloromethane	3.17	50	28742	0.613	ppbv 95
9) Propene	3.24	41	344370	8.902	ppbv 94
10) Heptane	8.25	43	76854	0.801	ppbv 99
11) Trichlorofluoromethane	4.01	101	35876	0.271	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	5395	0.062	ppbv # 14
13) Ethanol	3.65	45	2502189	135.683	ppbv 98
15) Acetone	3.90	43	941304	8.020	ppbv 94
16) 1,3-Butadiene	3.34	39	8317	0.218	ppbv # 2
17) tert-Butyl alcohol	4.37	59	21387	1.295	ppbv # 74
19) Isopropyl Alcohol	4.03	45	986867	17.677	ppbv 100
20) Methylene Chloride	4.41	84	71991	1.881	ppbv 98
21) Allyl Chloride	4.41	41	1139	0.020	ppbv # 18
23) Vinyl Acetate	5.14	43	29627	0.218	ppbv # 29
25) Ethyl Acetate	5.77	43	420663	2.466	ppbv # 97
26) Hexane	5.78	57	129773	1.701	ppbv # 60
27) Carbon Disulfide	4.63	76	2549	0.029	ppbv # 1
29) Chloroform	5.84	83	2596	0.021	ppbv # 81
30) Cyclohexane	7.25	84	4024	0.066	ppbv # 1
31) cis-1,2-Dichloroethene	5.77	61	41520	0.544	ppbv # 28
34) 2-Butanone	5.33	43	111224	0.998	ppbv 99
35) Carbon Tetrachloride	7.14	117	9624	0.080	ppbv # 81
36) Benzene	7.00	78	45641	0.300	ppbv 98
37) 1,2-Dichloroethane	6.42	62	4038	0.042	ppbv 99
38) Trichloroethene	7.96	130	3362	0.058	ppbv # 63
39) 1,2-Dichloropropane	7.29	63	465920	8.190	ppbv # 24
43) Methyl Methacrylate	8.15	69	3100	0.052	ppbv # 1
44) 2,2,4-Trimethylpentane	7.99	57	32168	0.128	ppbv # 63
50) 4-Methyl-2-Pentanone	8.88	43	90422	0.574	ppbv 95
53) Toluene	9.95	91	2996093	17.357	ppbv 100
58) Ethyl Benzene	12.87	91	35796	0.149	ppbv 92
59) m/p-Xylene	13.13	91	36611	0.178	ppbv # 100
60) o-Xylene	13.85	91	41921	0.209	ppbv 97
61) Styrene	13.69	104	8237	0.059	ppbv # 20
74) 1,2,4-Trimethylbenzene	16.93	105	13916	0.059	ppbv # 73
80) Naphthalene,2-methyl-	25.12	142	2257	0.021	ppbv # 76

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

ClientSampled :

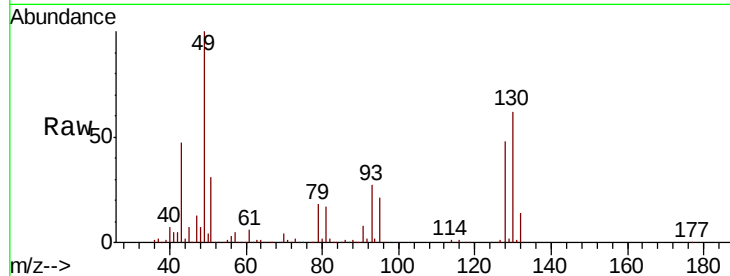
Tot Ion: 49 Resp: 754995

Ion Ratio Lower Upper

49 100

128 46.4 23.5 70.6

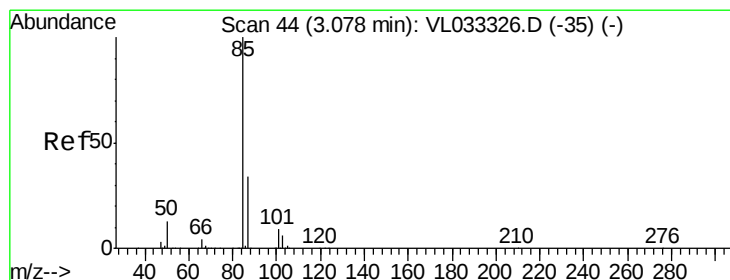
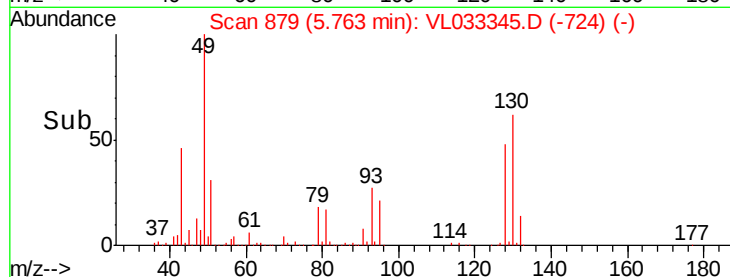
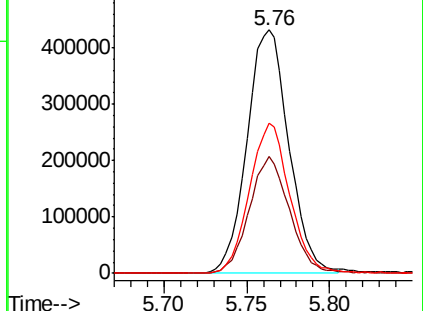
130 60.0 30.1 90.3



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: 0.285 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033345.D

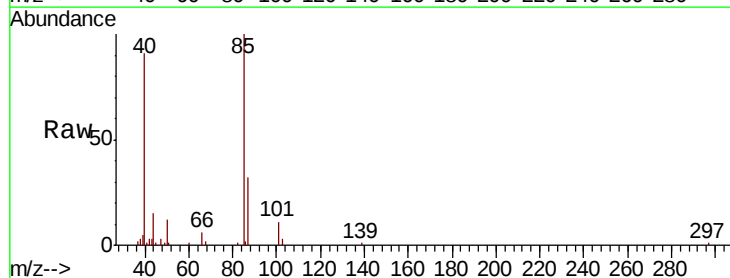
Acq: 16 Mar 2019 00:24

Tgt Ion: 85 Resp: 37843

Ion Ratio Lower Upper

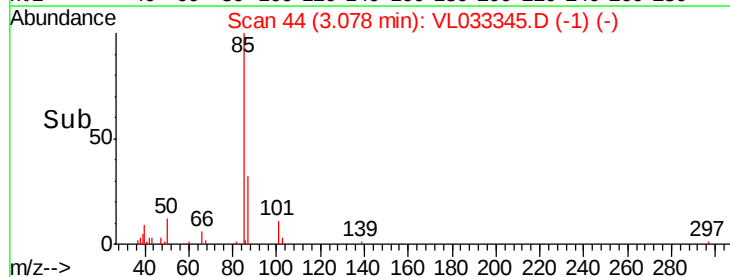
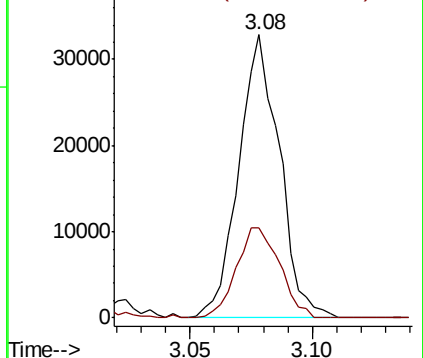
85 100

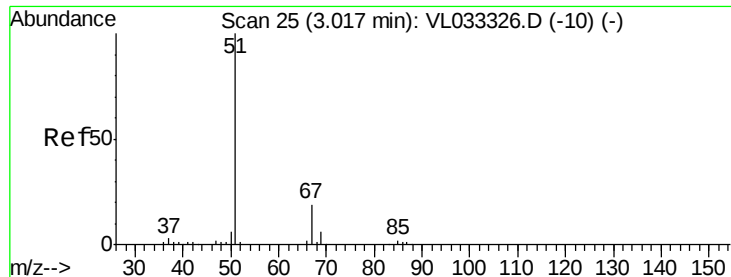
87 31.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.482 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

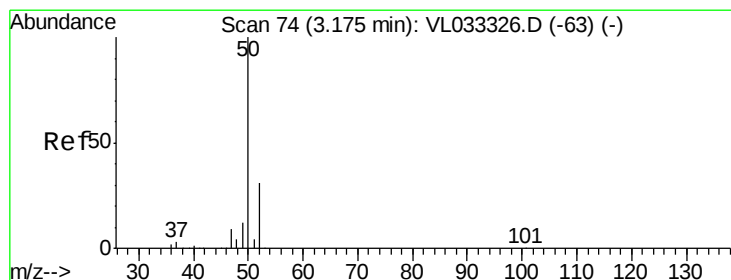
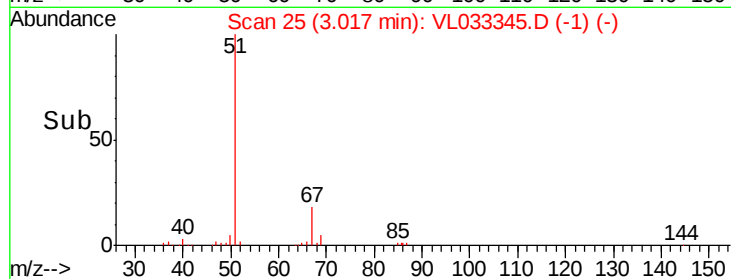
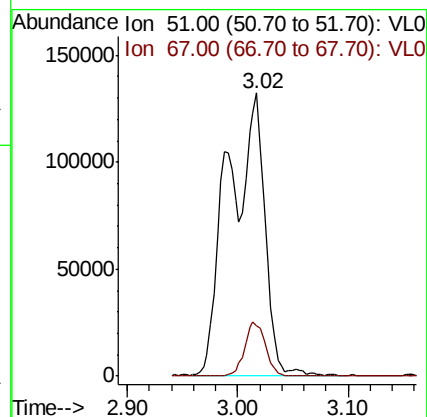
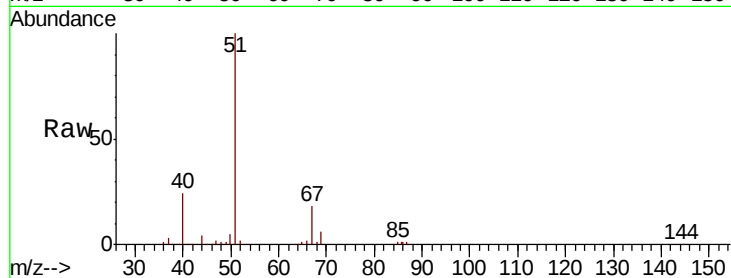
ClientSampleId :

Tot Ion: 51 Resp: 301701

Ion Ratio Lower Upper

51 100

67 10.9 14.9 22.3#



#4

Chloromethane

Concen: 0.613 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033345.D

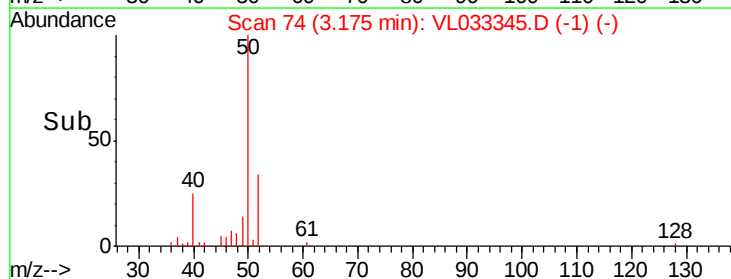
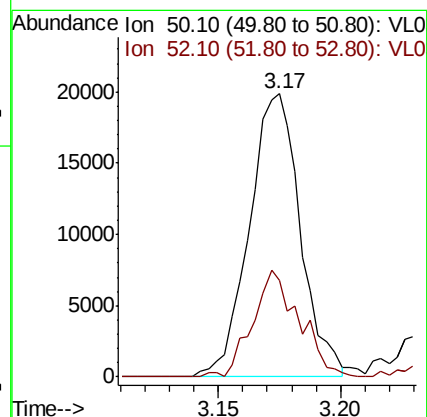
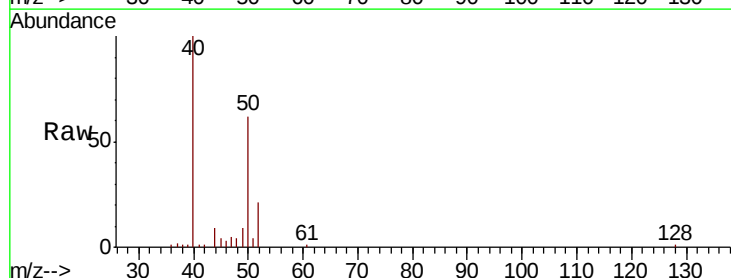
Acq: 16 Mar 2019 00:24

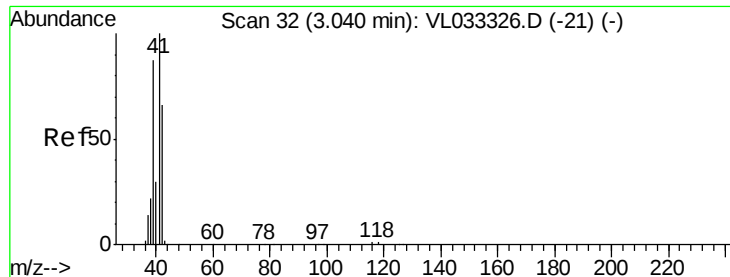
Tgt Ion: 50 Resp: 28742

Ion Ratio Lower Upper

50 100

52 34.1 25.0 37.6





#9

Propene

Concen: 8.902 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

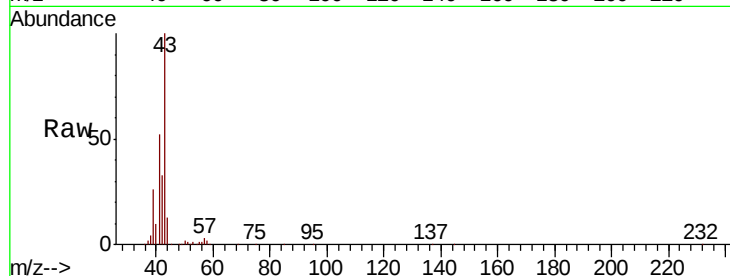
ClientSampleId :

Tot Ion: 41 Resp: 344370

Ion Ratio Lower Upper

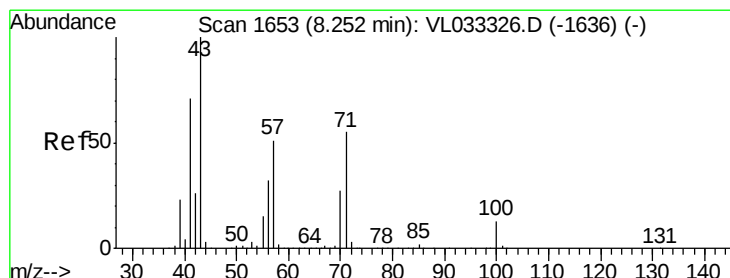
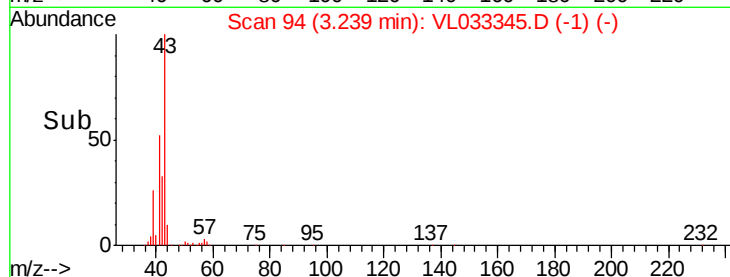
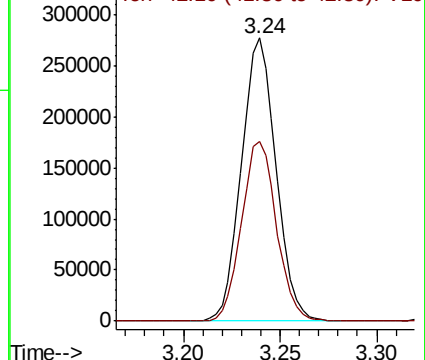
41 100

42 64.4 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.801 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL033345.D

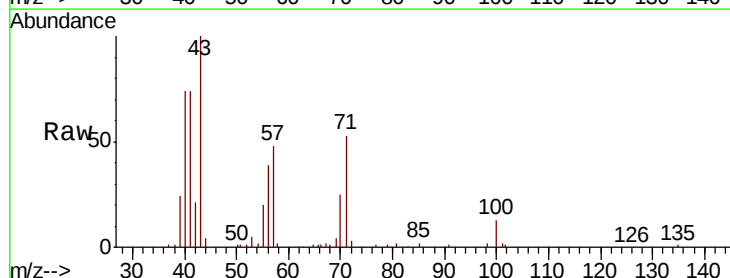
Acq: 16 Mar 2019 00:24

Tgt Ion: 43 Resp: 76854

Ion Ratio Lower Upper

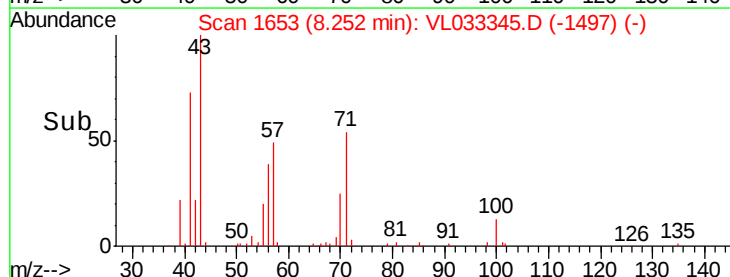
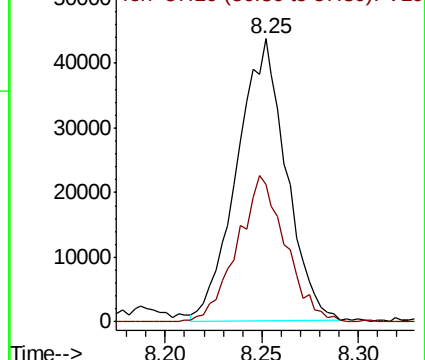
43 100

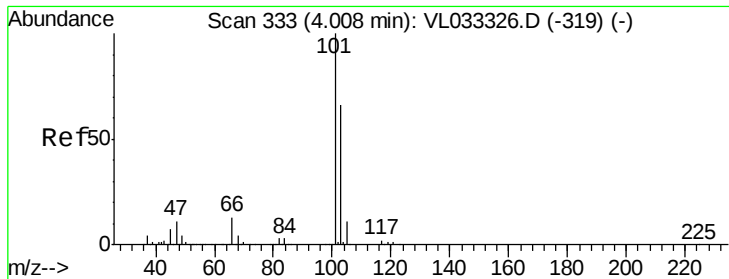
57 51.3 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.271 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

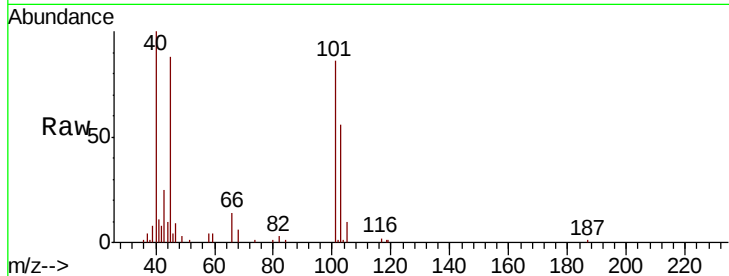
ClientSampleId :

Tot Ion:101 Resp: 35876

Ion Ratio Lower Upper

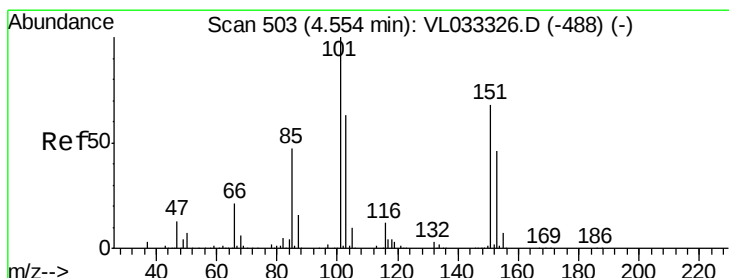
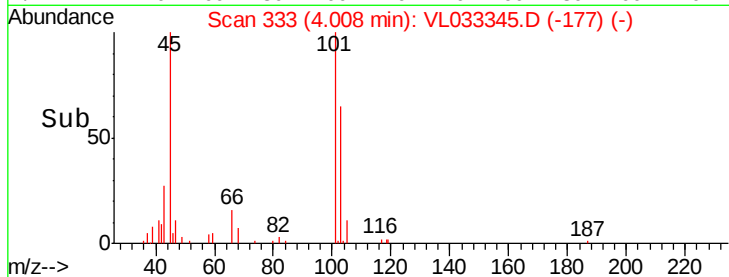
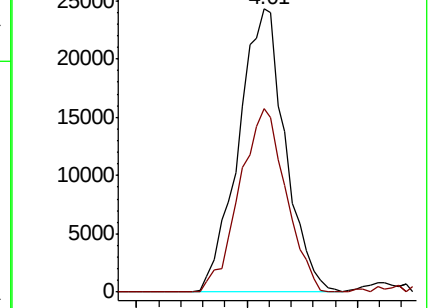
101 100

103 64.9 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.062 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033345.D

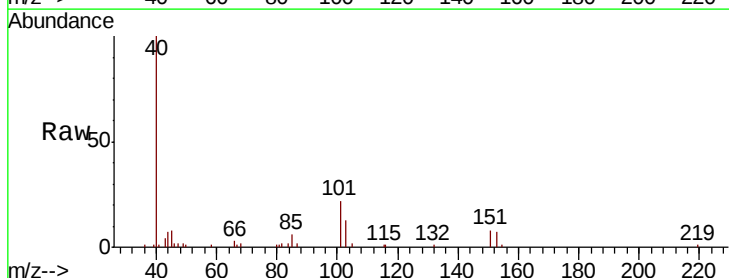
Acq: 16 Mar 2019 00:24

Tgt Ion:101 Resp: 5395

Ion Ratio Lower Upper

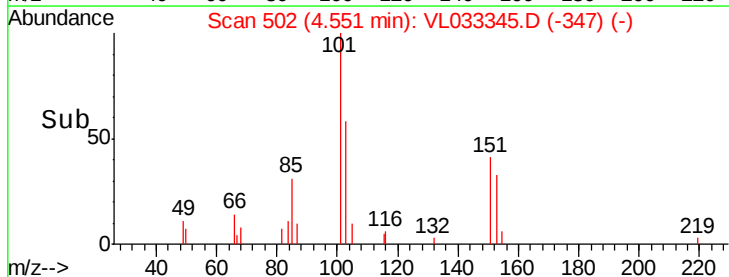
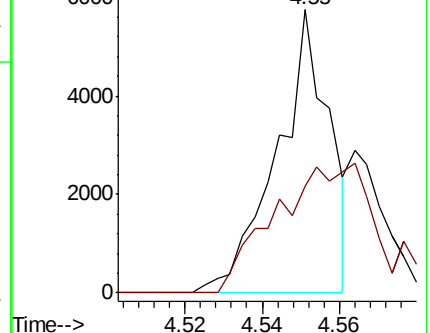
101 100

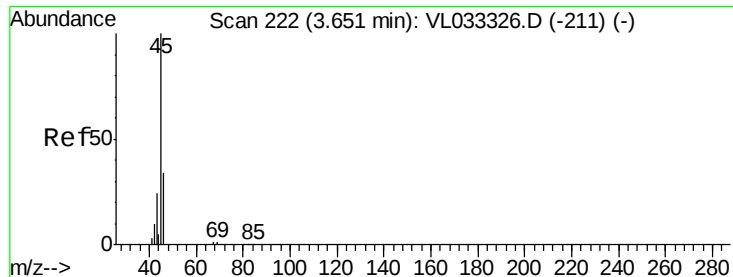
151 0.0 56.3 84.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

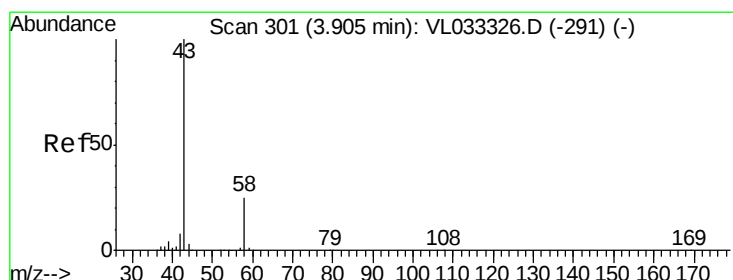
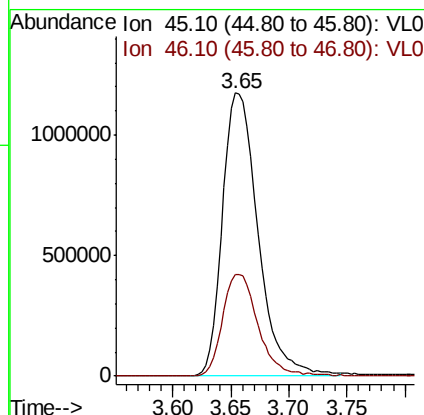
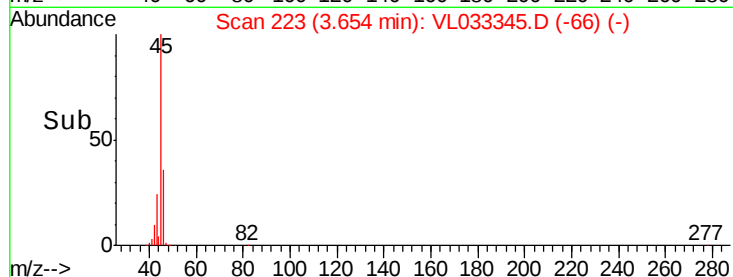
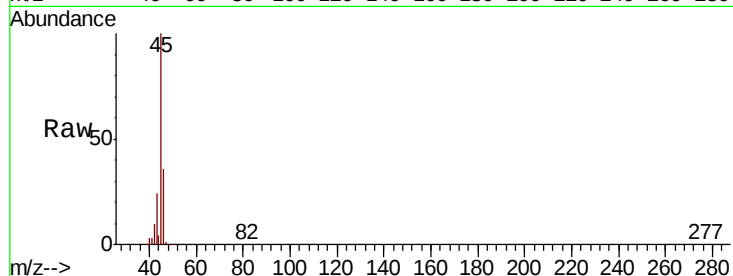




#13
Ethanol
Concen: 135.683 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

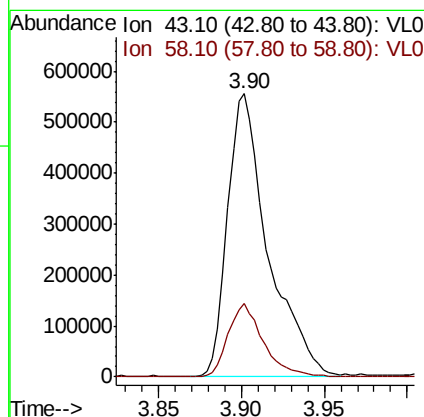
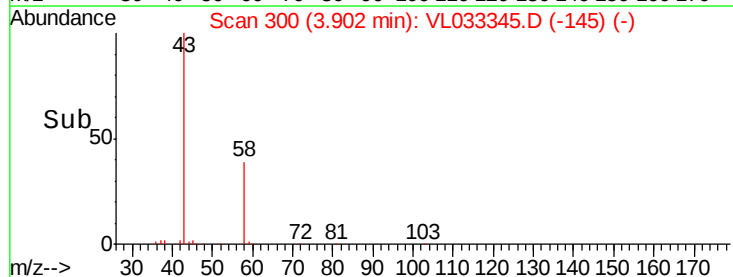
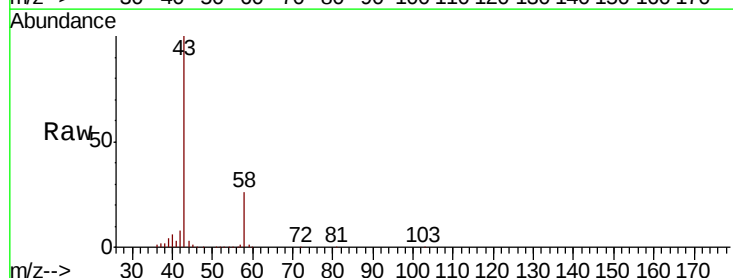
Instrument :
MSVOA_L
ClientSampleId :

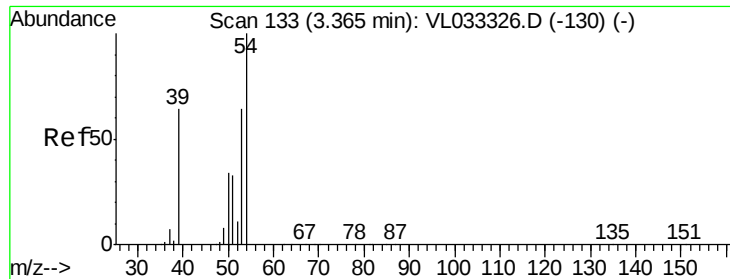
Tot Ion: 45 Resp: 2502189
Ion Ratio Lower Upper
45 100
46 36.3 14.9 59.7



#15
Acetone
Concen: 8.020 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 43 Resp: 941304
Ion Ratio Lower Upper
43 100
58 22.7 20.4 30.6

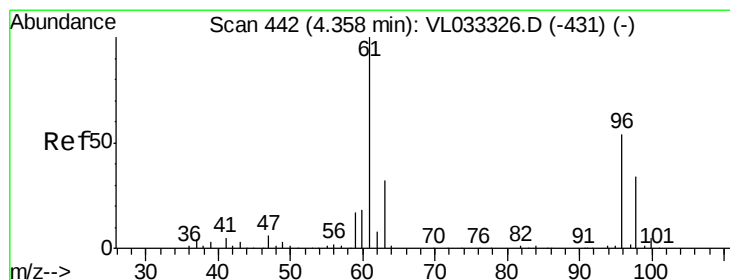
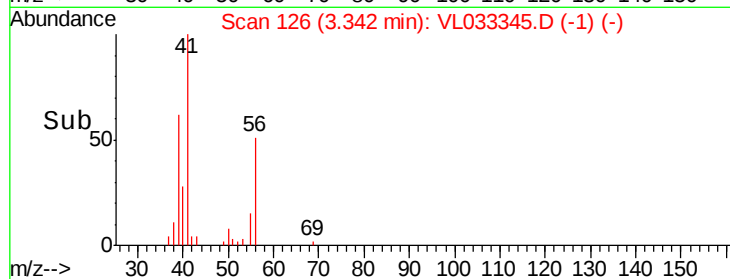
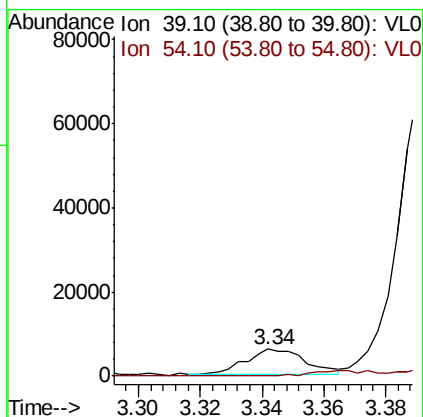
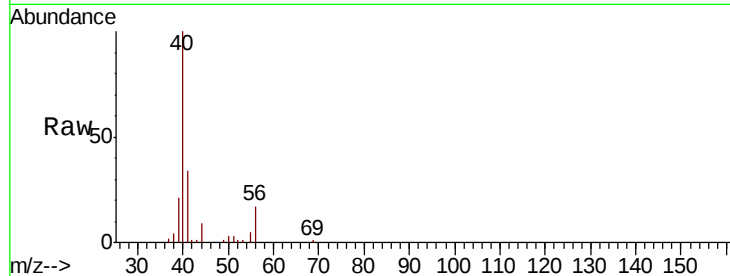




#16
1,3-Butadiene
Concen: 0.218 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

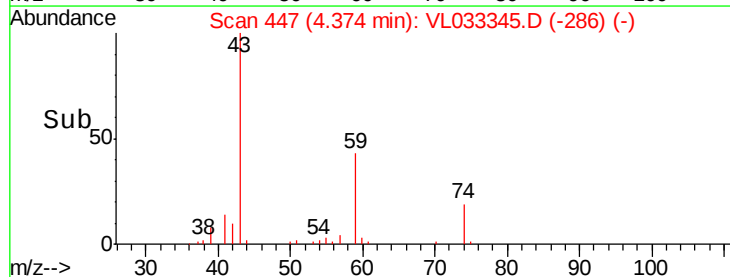
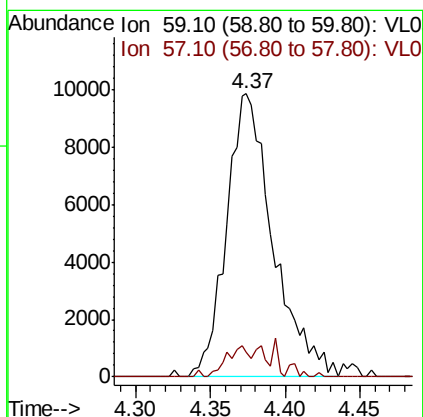
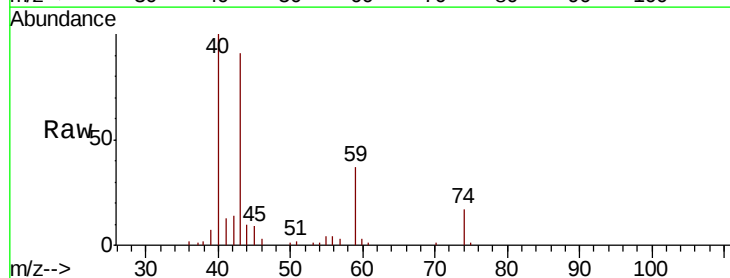
Instrument :
MSVOA_L
ClientSampleId :

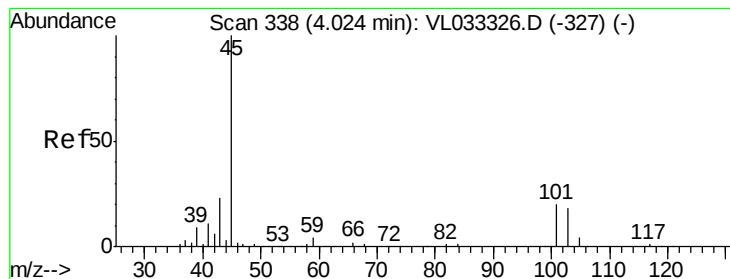
Tot Ion: 39 Resp: 8317
Ion Ratio Lower Upper
39 100
54 0.0 76.8 115.2#



#17
tert-Butyl alcohol
Concen: 1.295 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 59 Resp: 21387
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#19

Isopropyl Alcohol

Concen: 17.677 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

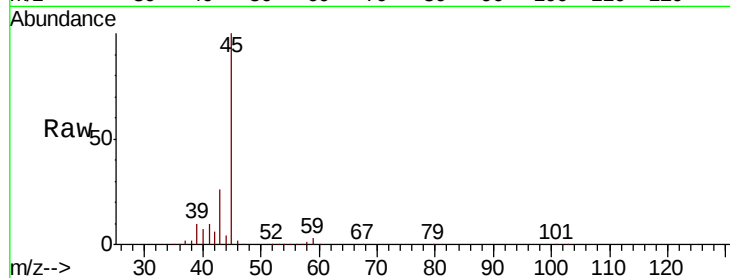
ClientSampled :

Tot Ion: 45 Resp: 986867

Ion Ratio Lower Upper

45 100

58 1.7 1.5 2.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

500000

400000

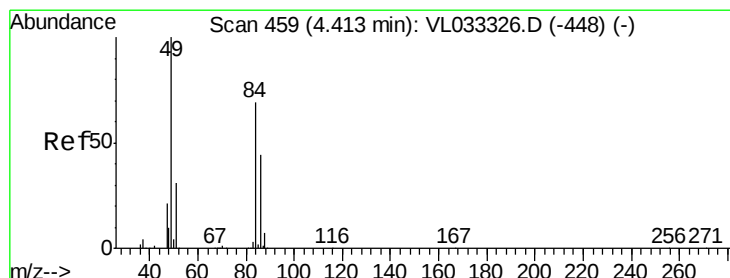
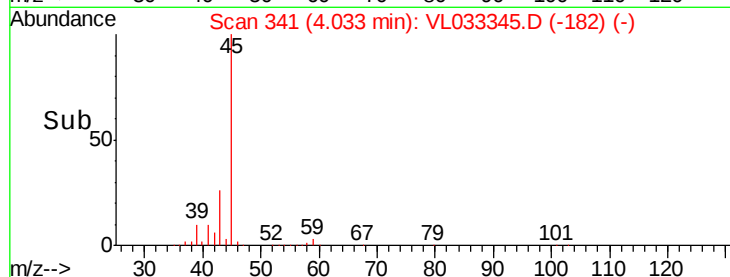
300000

200000

100000

0

Time--> 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 1.881 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Tgt Ion: 84 Resp: 71991

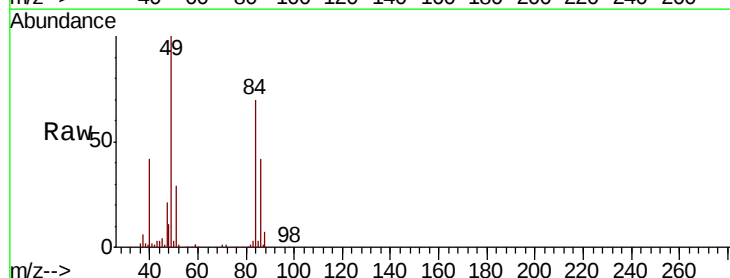
Ion Ratio Lower Upper

84 100

49 142.9 115.4 173.0

51 41.7 35.8 53.6

86 60.4 50.6 75.8



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

100000

80000

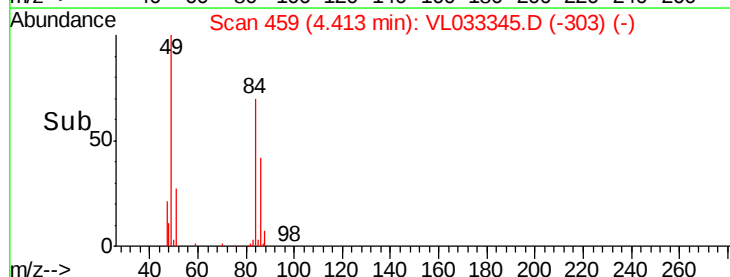
60000

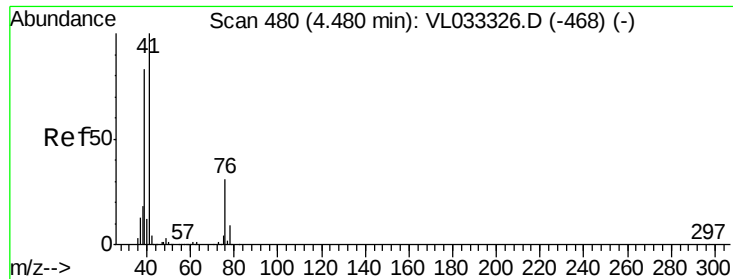
40000

20000

0

Time--> 4.35 4.40 4.45

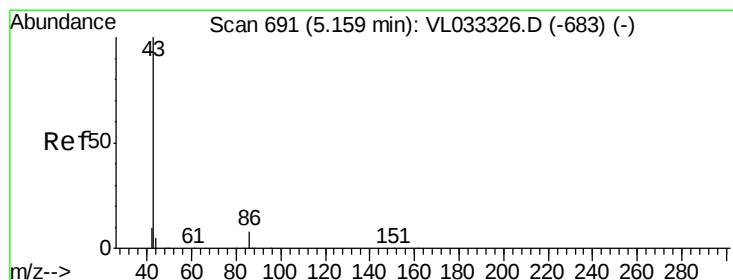
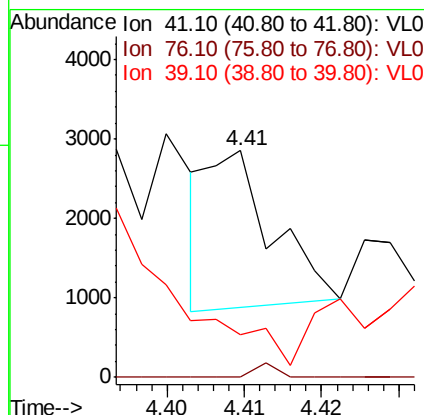
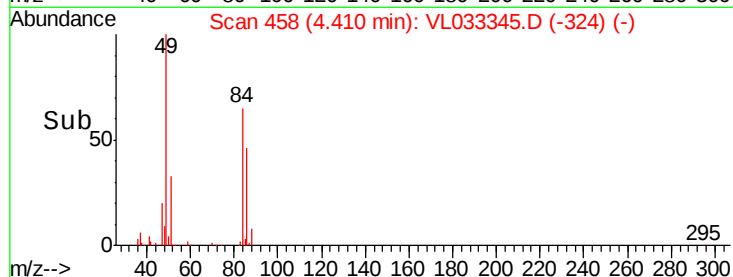
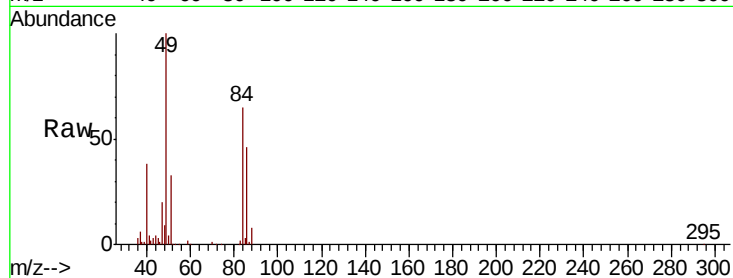




#21
Allvl Chloride
Concen: 0.020 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.07 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

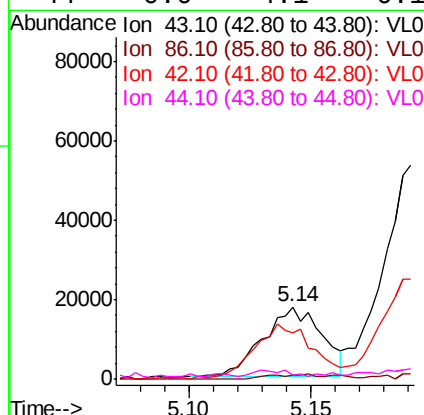
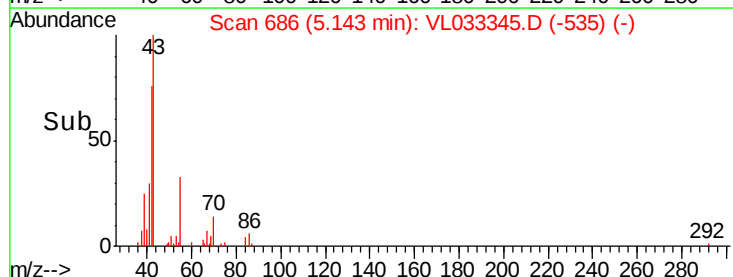
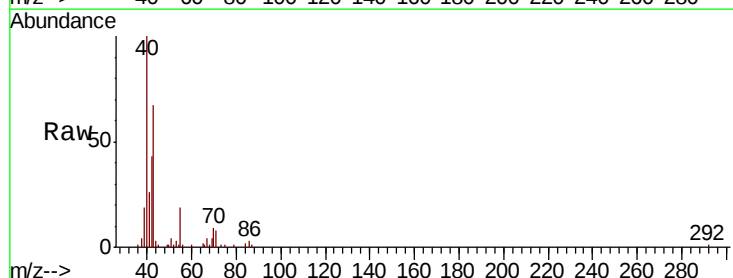
Instrument :
MSVOA_L
ClientSampleId :

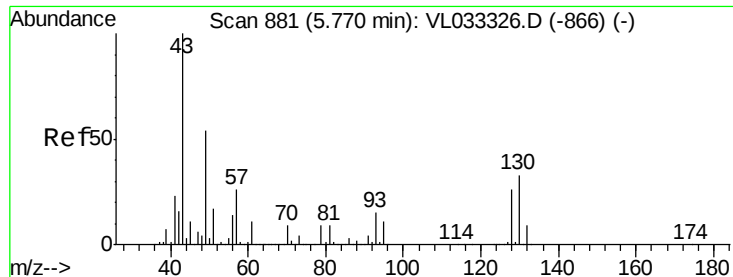
Tot Ion: 41 Resp: 1139
Ion Ratio Lower Upper
41 100
76 0.0 25.0 37.4#
39 0.0 65.9 98.9#



#23
Vinyl Acetate
Concen: 0.218 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 43 Resp: 29627
Ion Ratio Lower Upper
43 100
86 5.8 6.2 9.2#
42 65.3 8.1 12.1#
44 0.0 4.1 6.1#

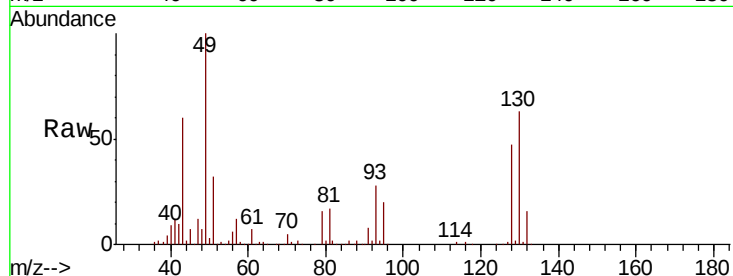




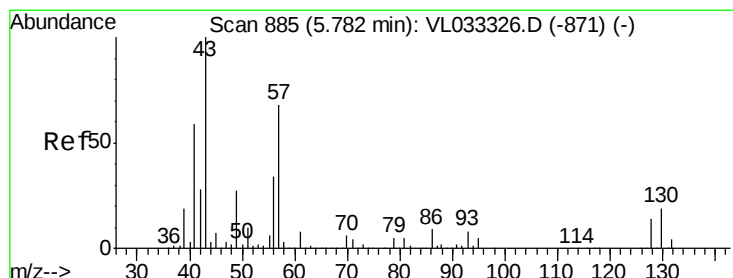
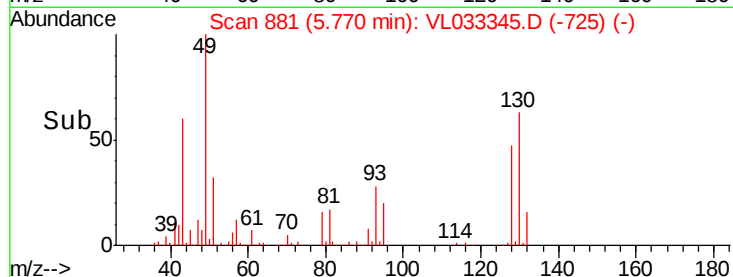
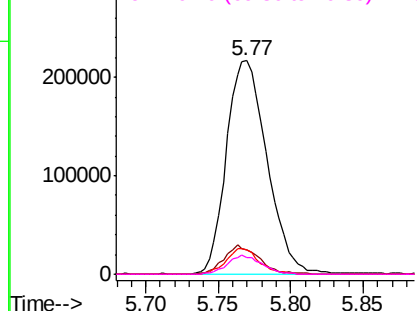
#25
Ethyl Acetate
Concen: 2.466 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	420663
Ion	Ratio	Lower	Upper
43	100		
45	12.0	7.9	11.9#
61	10.0	7.4	11.2
70	7.5	5.7	8.5

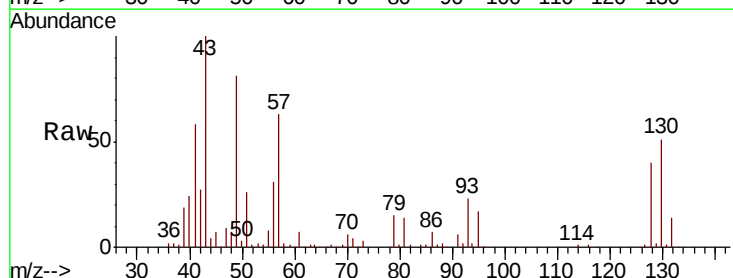


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

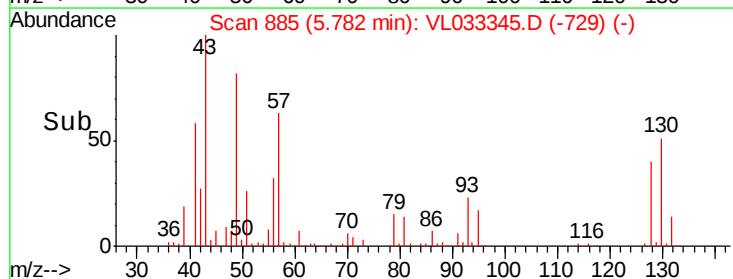
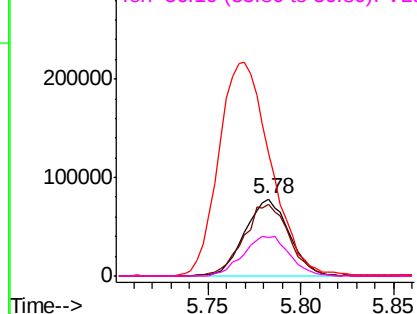


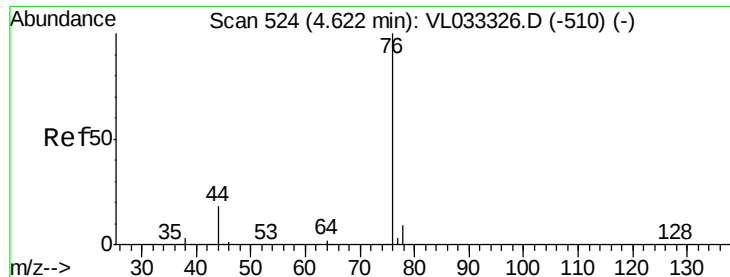
#26
Hexane
Concen: 1.701 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion:	57	Resp:	129773
Ion	Ratio	Lower	Upper
57	100		
41	95.8	70.5	105.7
43	328.1	181.8	272.8#
56	54.2	42.2	63.2



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: 0.029 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.01 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :
MSVOA_L
ClientSampleId :

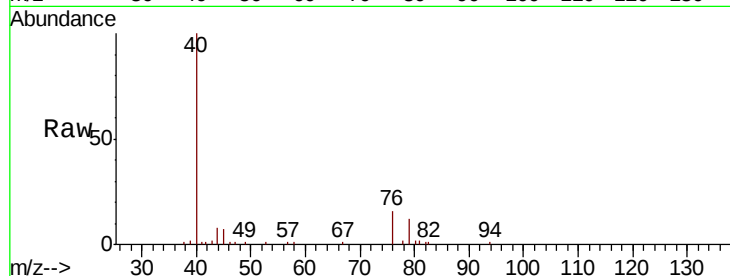
Tot Ion: 76 Resp: 2549

Ion Ratio Lower Upper

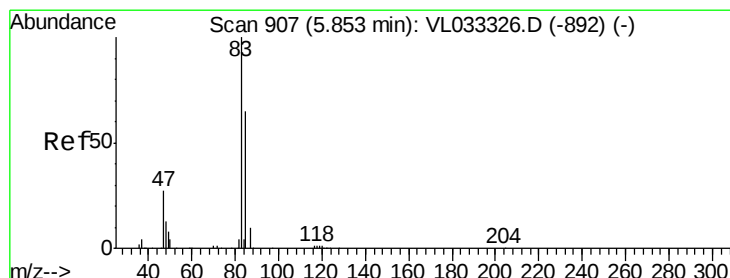
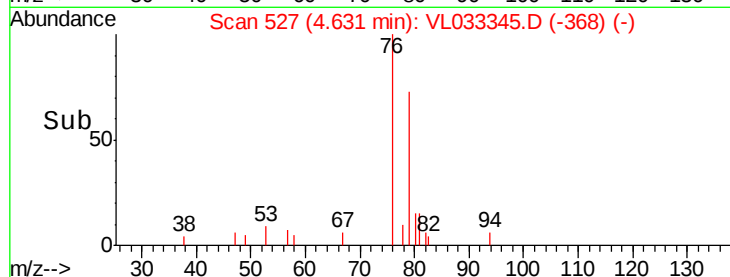
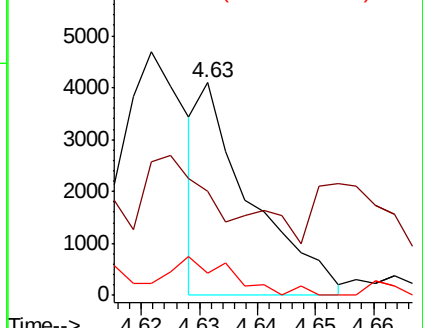
76 100

44 112.5 15.2 22.8#

78 31.7 7.2 10.8#



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: 0.021 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033345.D

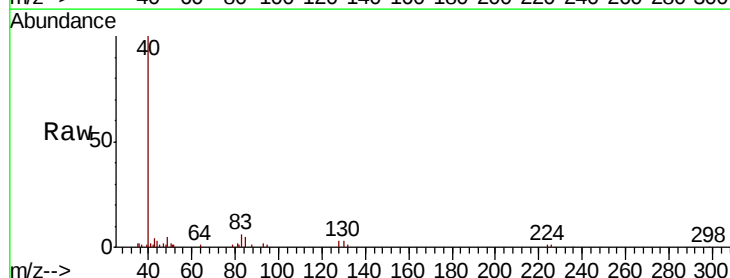
Acq: 16 Mar 2019 00:24

Tgt Ion: 83 Resp: 2596

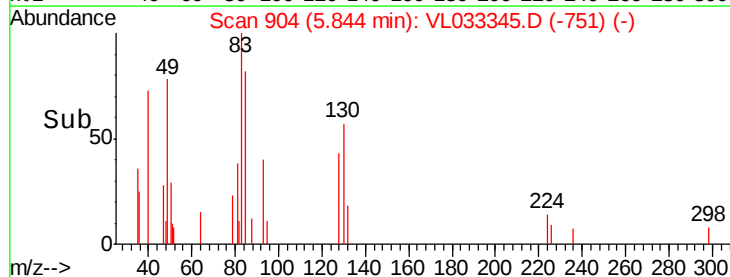
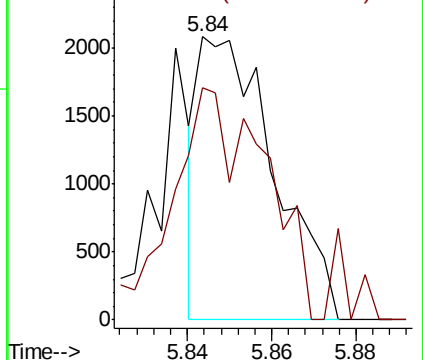
Ion Ratio Lower Upper

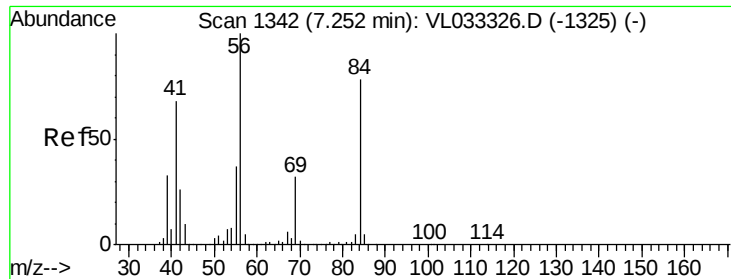
83 100

85 49.8 52.0 78.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

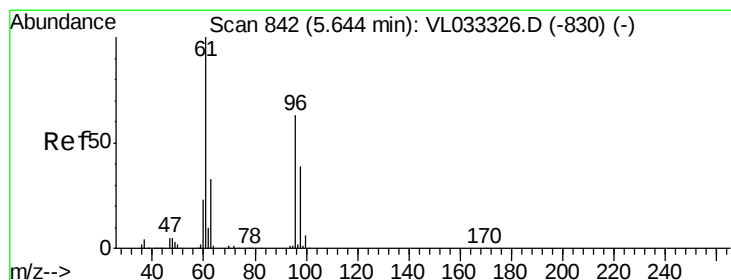
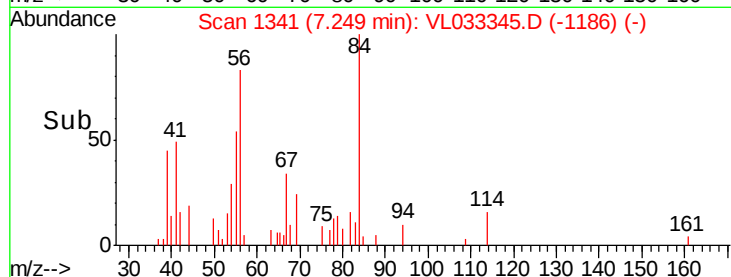
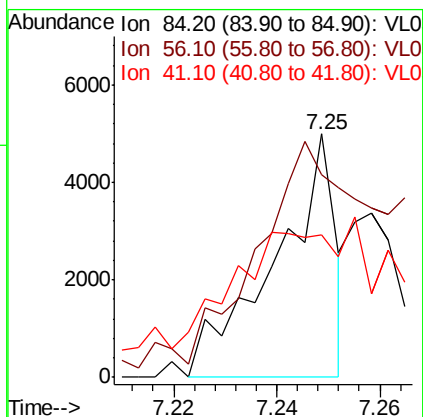
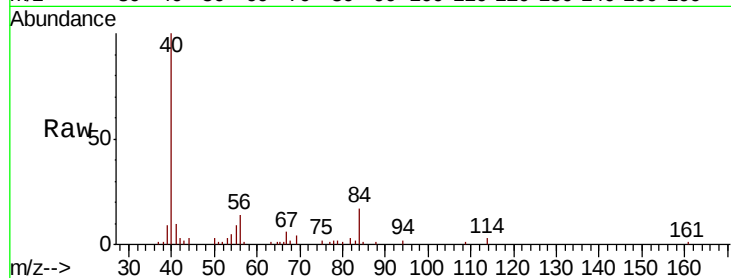




#30
Cvclohexane
Concen: 0.066 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

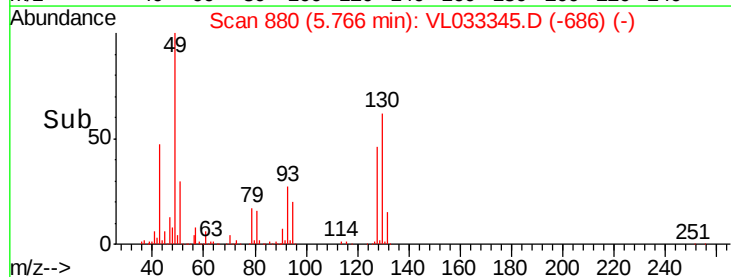
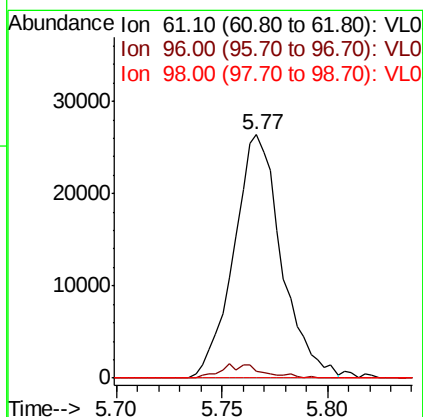
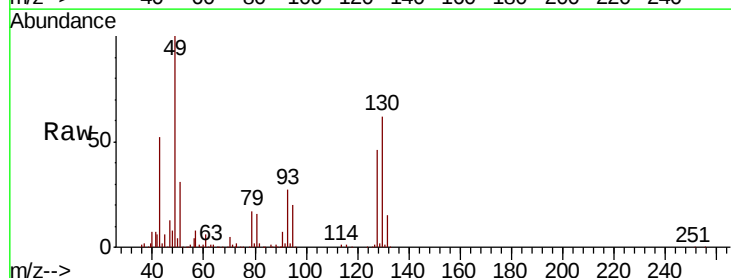
Instrument :
MSVOA_L
ClientSampled :

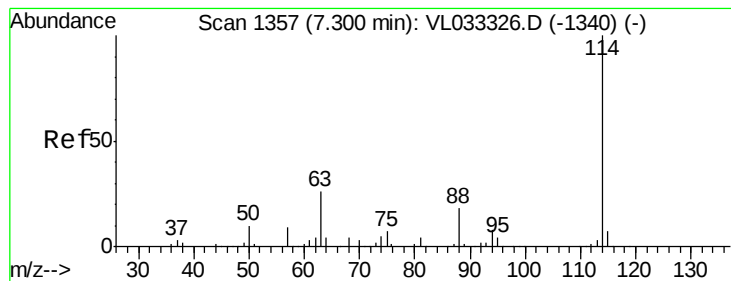
Tot Ion: 84 Resp: 4024
Ion Ratio Lower Upper
84 100
56 0.0 111.3 166.9#
41 0.0 69.6 104.4#



#31
cis-1,2-Dichloroethene
Concen: 0.544 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.12 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 61 Resp: 41520
Ion Ratio Lower Upper
61 100
96 2.9 50.3 75.5#
98 0.0 31.5 47.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

ClientSampleId :

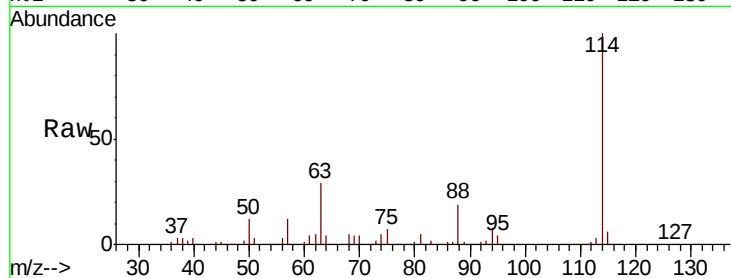
Tot Ion:114 Resp: 1697479

Ion Ratio Lower Upper

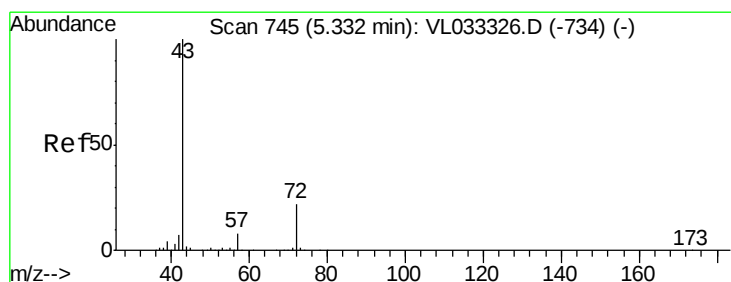
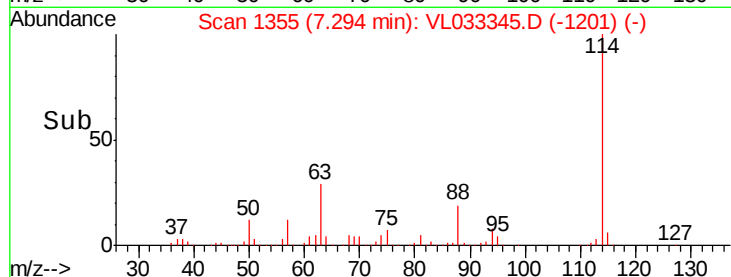
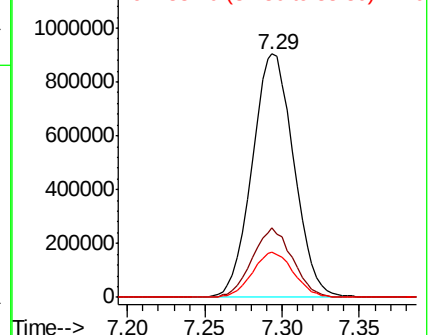
114 100

63 27.6 21.4 32.2

88 18.4 14.5 21.7



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: 0.998 ppbv

RT: 5.33 min Scan# 745

Delta R.T. 0.00 min

Lab File: VL033345.D

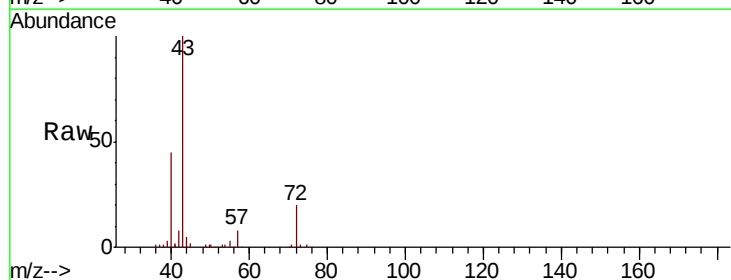
Acq: 16 Mar 2019 00:24

Tgt Ion: 43 Resp: 111224

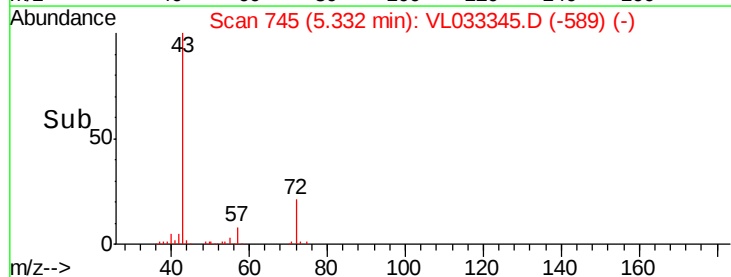
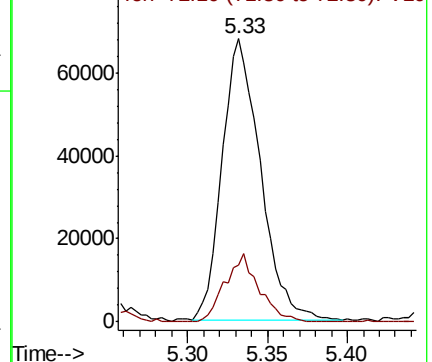
Ion Ratio Lower Upper

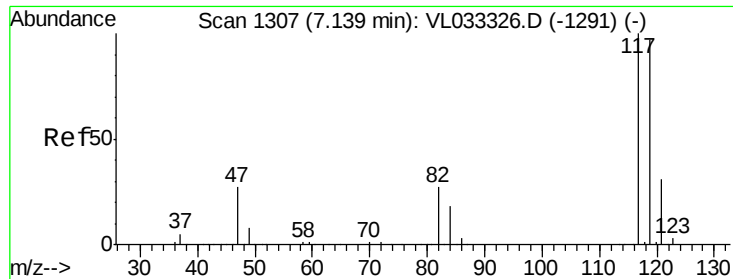
43 100

72 21.7 17.7 26.5



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





#35

Carbon Tetrachloride

Concen: 0.080 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

ClientSampleId :

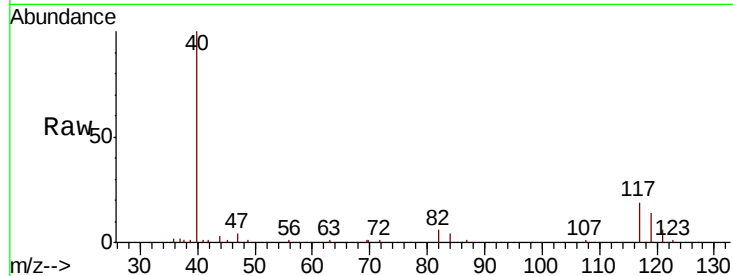
Tot Ion:117 Resp: 9624

Ion Ratio Lower Upper

117 100

119 72.6 77.4 116.0#

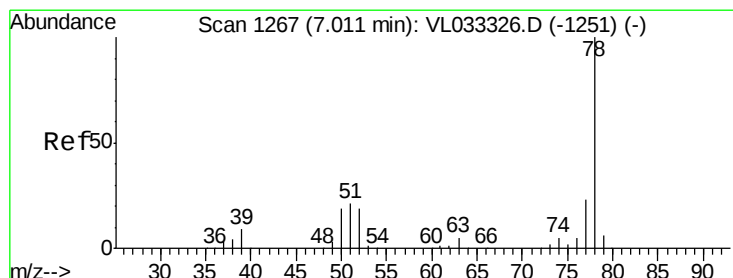
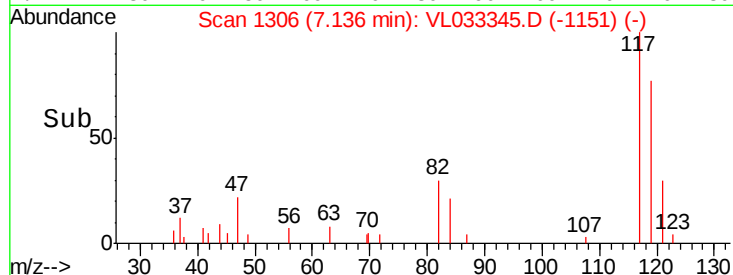
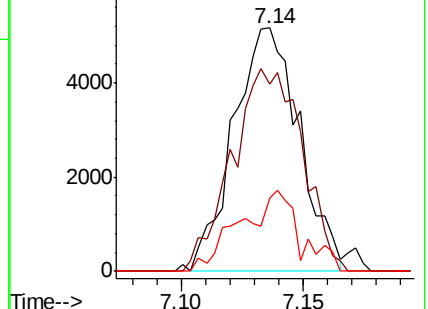
121 30.3 24.9 37.3



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: 0.300 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

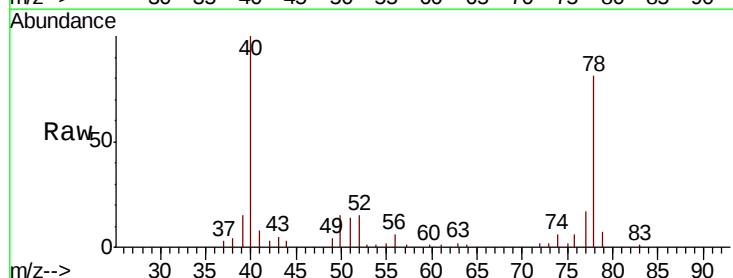
Tgt Ion: 78 Resp: 45641

Ion Ratio Lower Upper

78 100

77 20.8 18.1 27.1

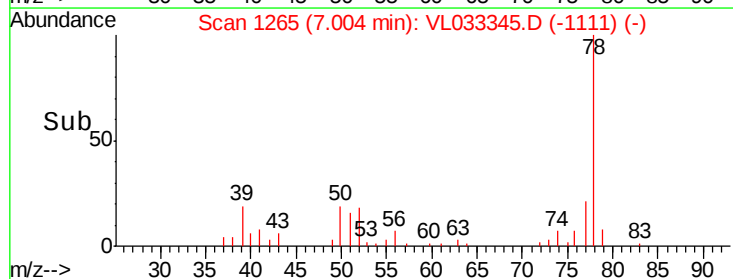
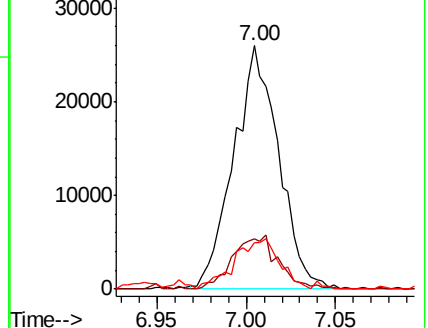
50 19.0 15.2 22.8

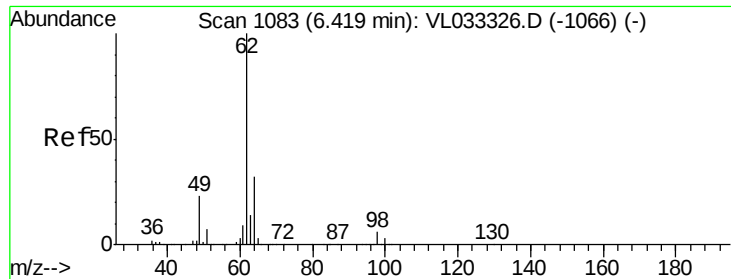


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.042 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

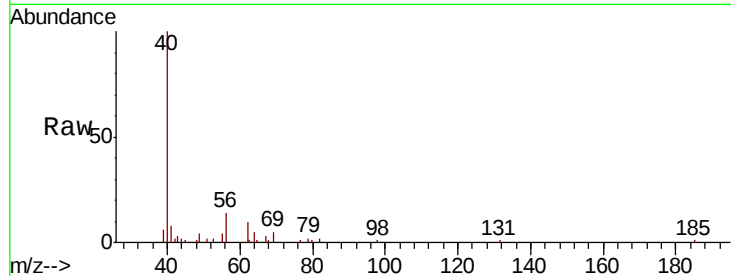
ClientSampleId :

Tot Ion: 62 Resp: 4038

Ion Ratio Lower Upper

62 100

98 5.3 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

4000

3000

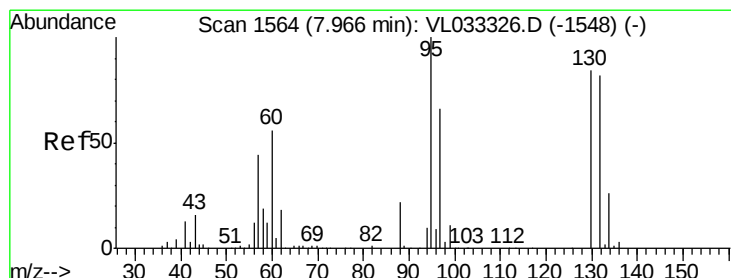
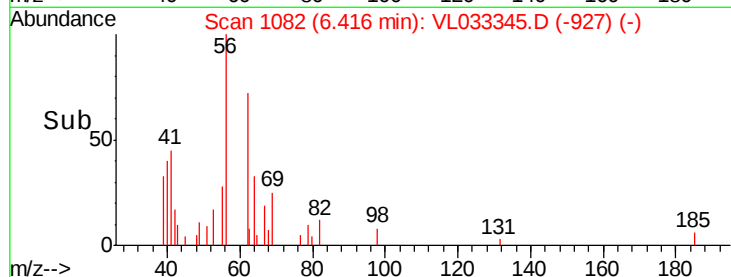
2000

1000

0

6.39 6.40 6.41 6.42

Time-->



#38

Trichloroethene

Concen: 0.058 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Tgt Ion: 130 Resp: 3362

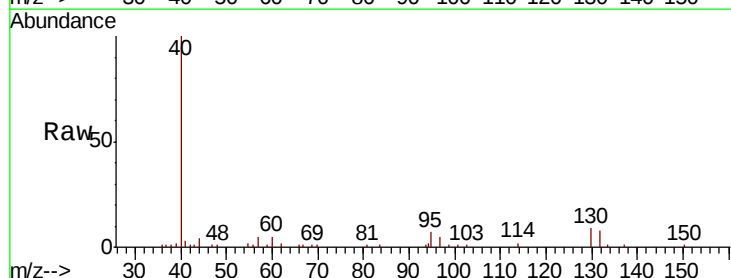
Ion Ratio Lower Upper

130 100

95 64.9 95.2 142.8#

132 75.6 77.7 116.5#

97 45.6 62.8 94.2#



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

4000

3000

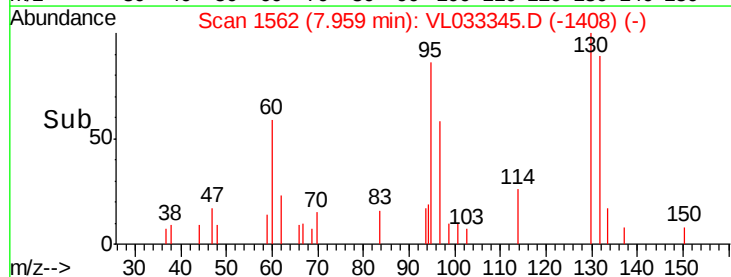
2000

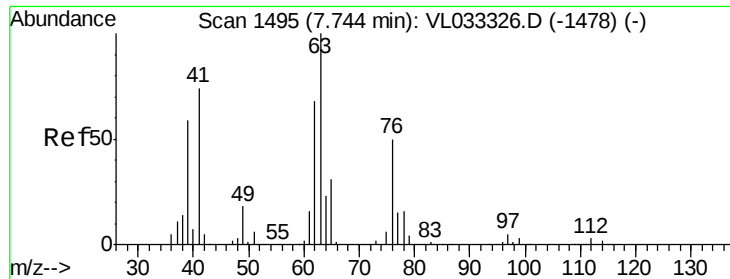
1000

0

7.92 7.94 7.96 7.98 8.00

Time-->





#39

1,2-Dichloropropane

Concen: 8.190 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

ClientSampleId :

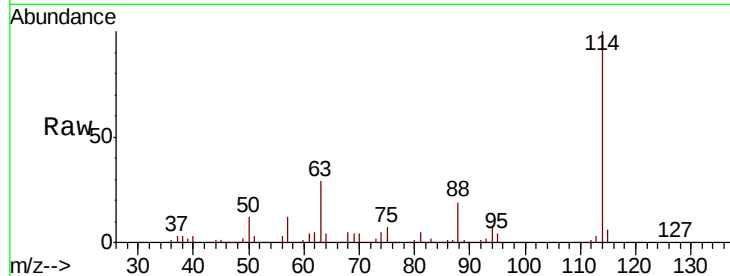
Tot Ion: 63 Resp: 465920

Ion Ratio Lower Upper

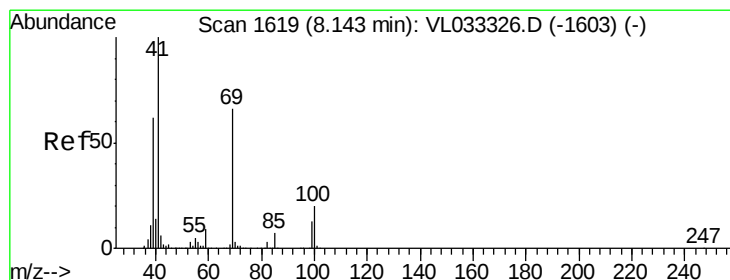
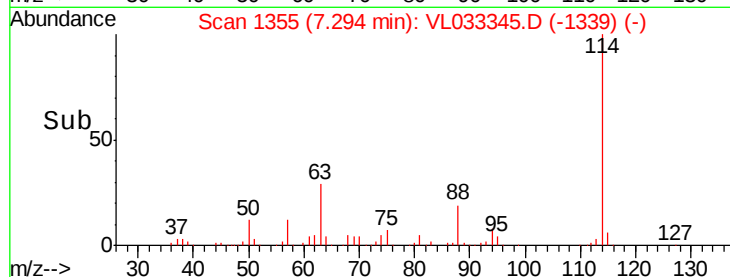
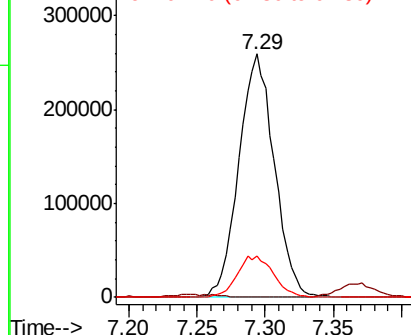
63 100

41 0.0 59.5 89.3#

62 16.8 54.7 82.1#



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



#43

Methyl Methacrylate

Concen: 0.052 ppbv

RT: 8.15 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

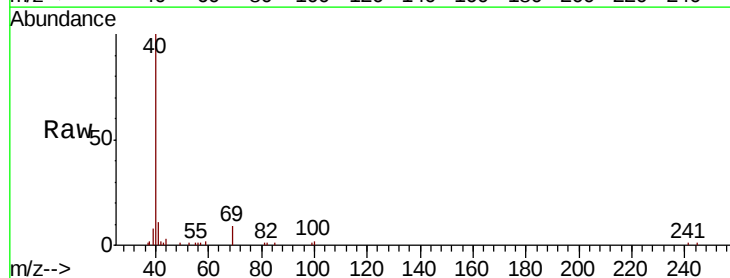
Tgt Ion: 69 Resp: 3100

Ion Ratio Lower Upper

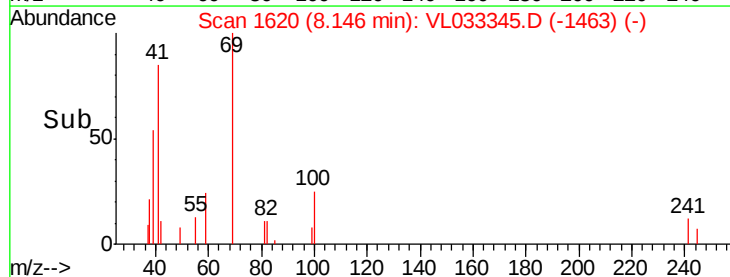
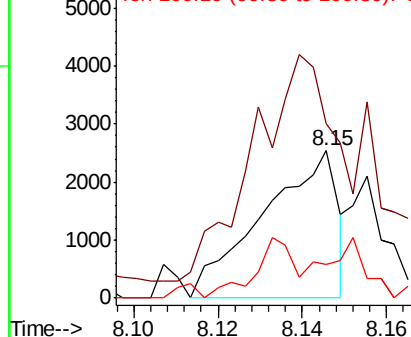
69 100

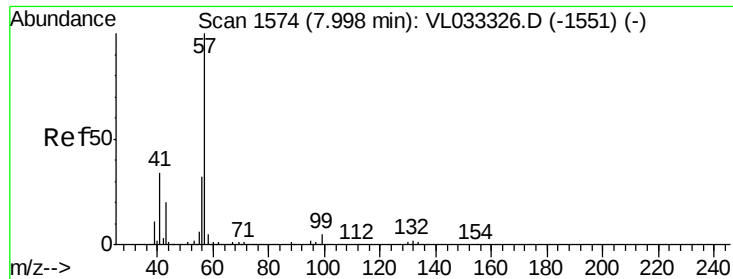
41 305.3 119.5 179.3#

100 0.0 24.4 36.6#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

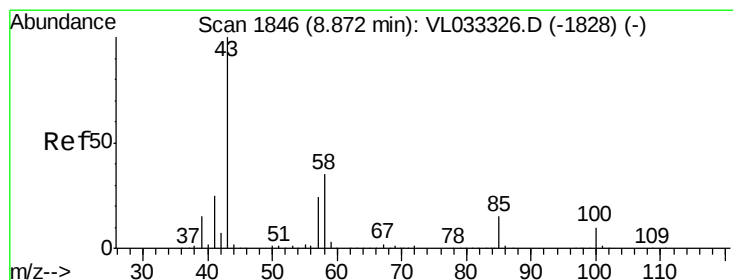
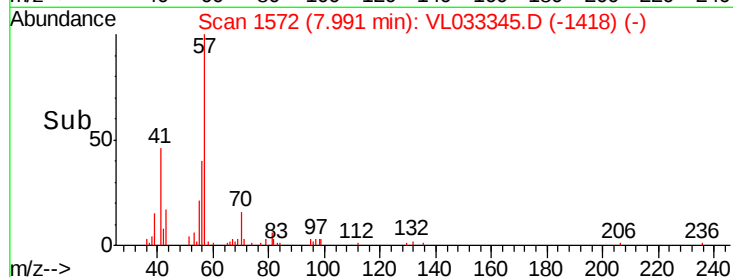
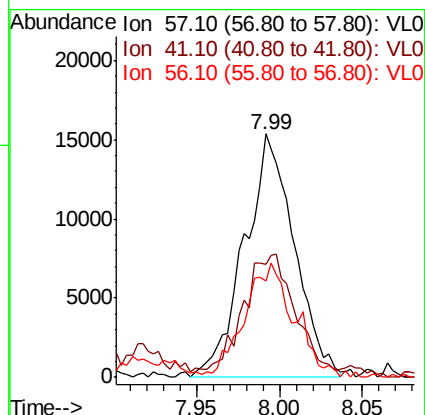
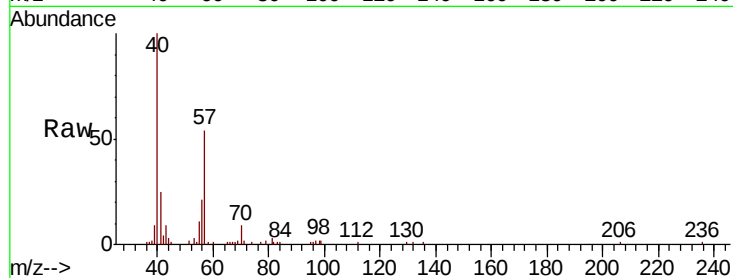




#44
 2,2,4-Trimethylpentane
 Concen: 0.128 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL033345.D
 Acq: 16 Mar 2019 00:24

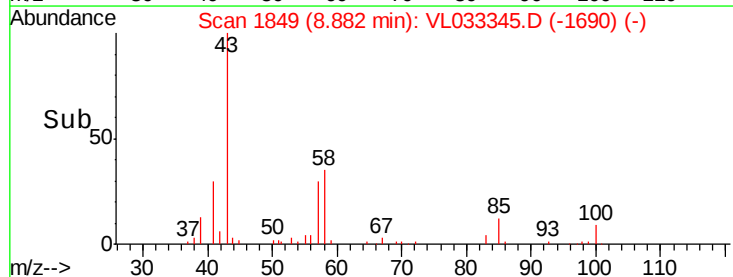
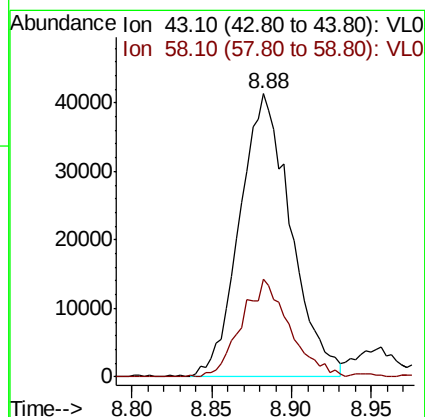
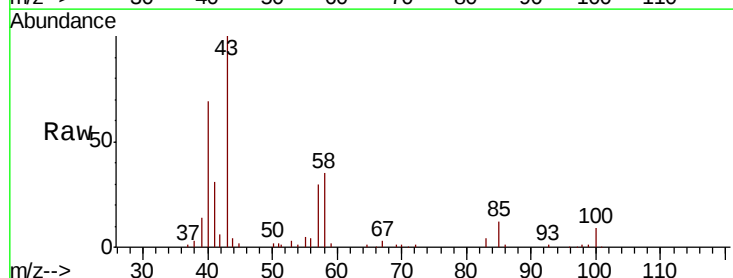
Instrument :
 MSVOA_L
 ClientSampleId :

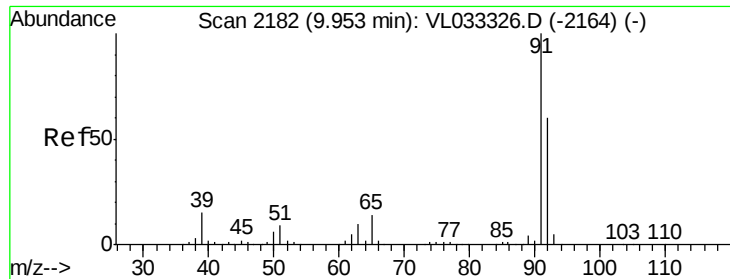
Tot Ion: 57 Resp: 32168
 Ion Ratio Lower Upper
 57 100
 41 56.4 26.0 39.0#
 56 47.7 24.6 36.8#



#50
 4-Methyl-2-Pentanone
 Concen: 0.574 ppbv
 RT: 8.88 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: VL033345.D
 Acq: 16 Mar 2019 00:24

Tgt Ion: 43 Resp: 90422
 Ion Ratio Lower Upper
 43 100
 58 32.8 28.4 42.6





#53

Toluene

Concen: 17.357 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

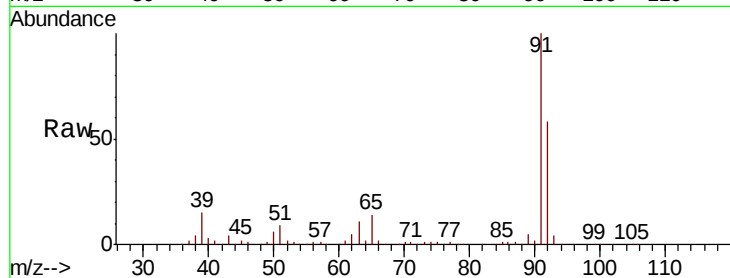
ClientSampleId :

Tot Ion: 91 Resp: 2996093

Ion Ratio Lower Upper

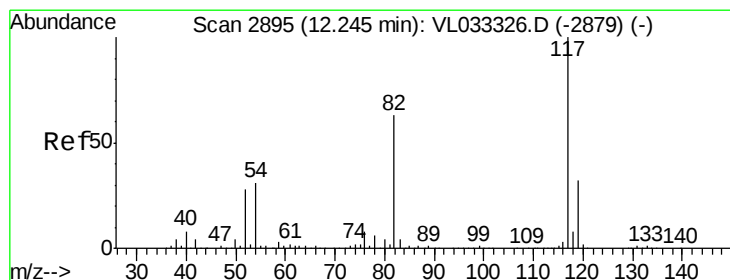
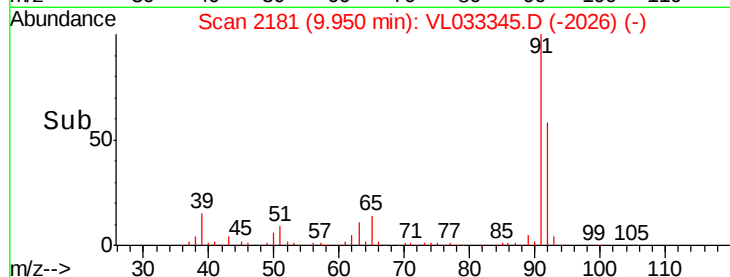
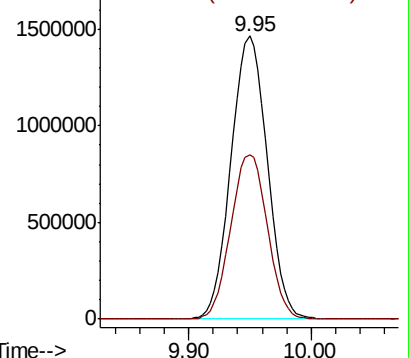
91 100

92 58.9 47.4 71.0



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: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

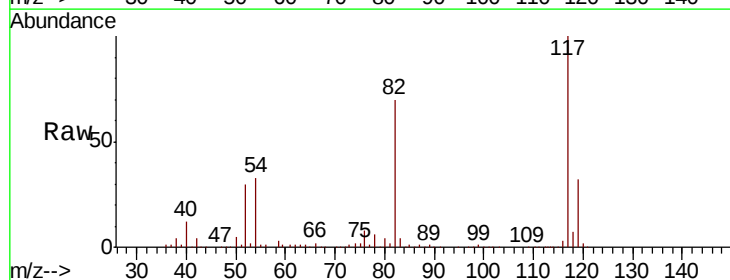
Tgt Ion: 117 Resp: 1694884

Ion Ratio Lower Upper

117 100

82 68.3 53.4 80.2

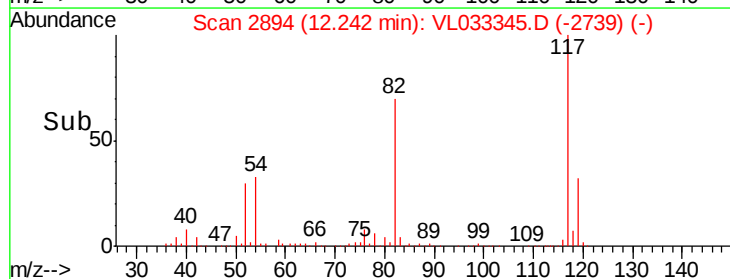
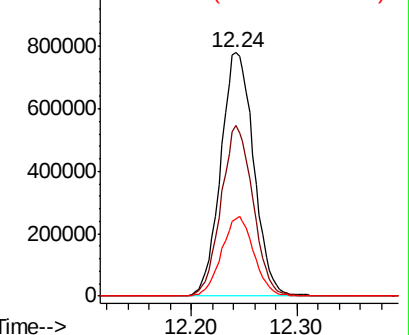
119 32.0 27.3 40.9

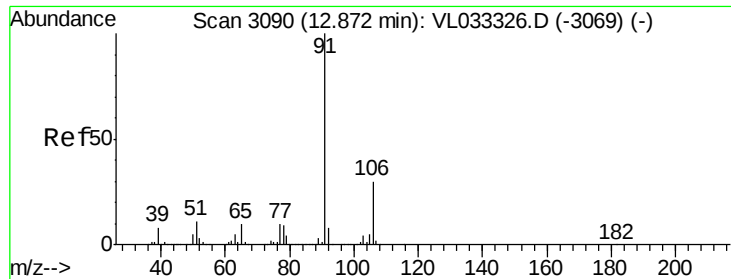


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

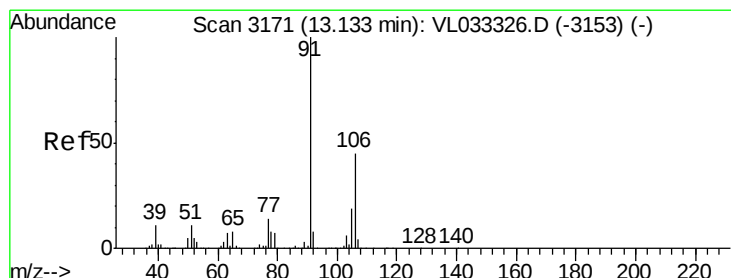
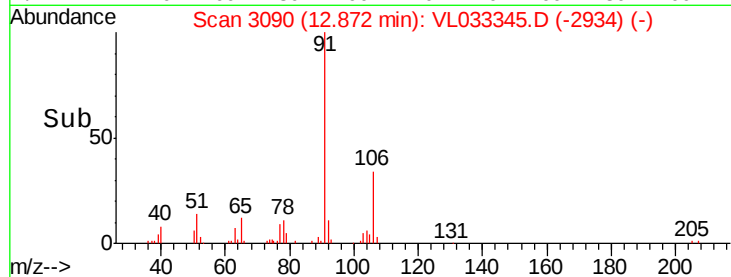
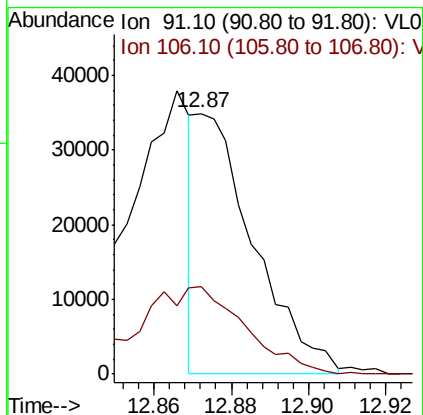
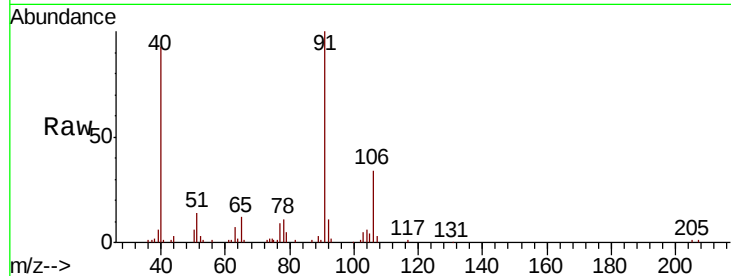




#58
Ethyl Benzene
Concen: 0.149 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

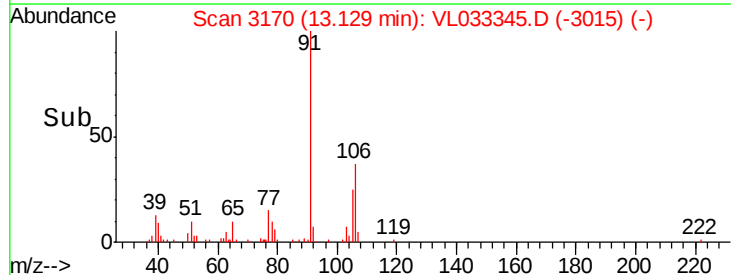
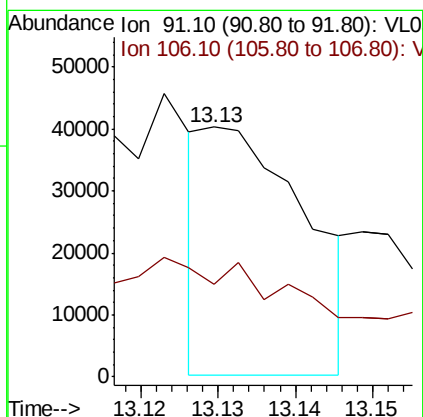
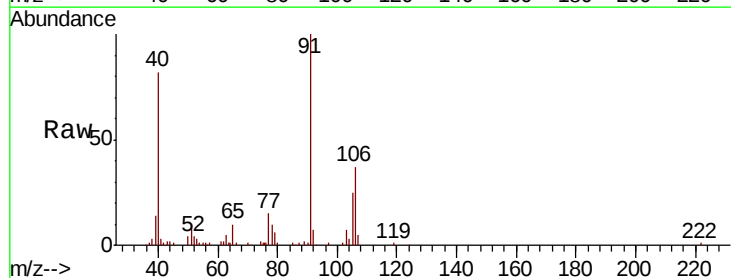
Instrument :
MSVOA_L
ClientSampled :

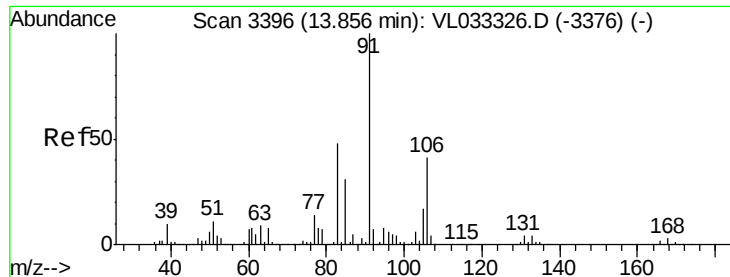
Tot Ion: 91 Resp: 35796
Ion Ratio Lower Upper
91 100
106 34.5 24.2 36.2



#59
m/p-Xylene
Concen: 0.178 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 91 Resp: 36611
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

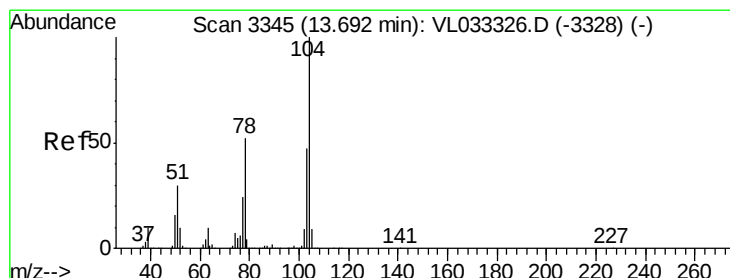
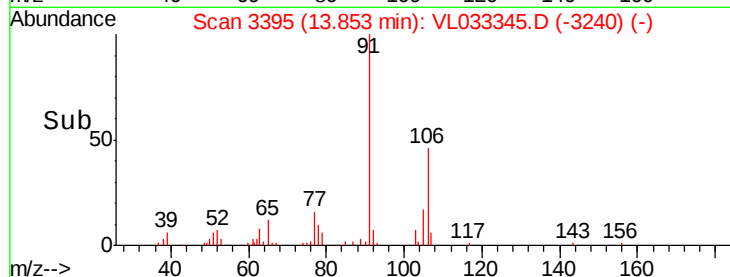
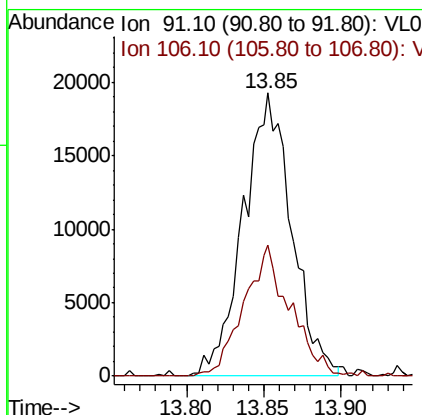
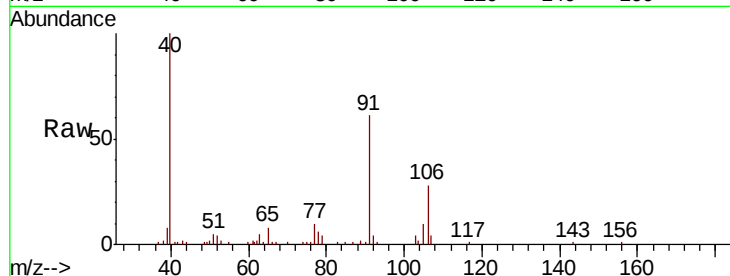




#60
o-Xylene
Concen: 0.209 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

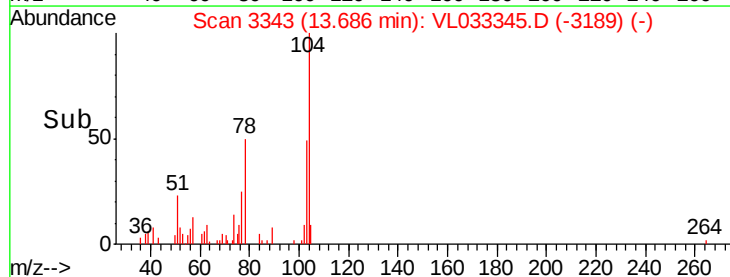
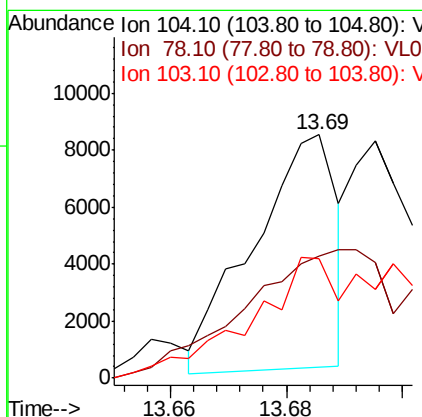
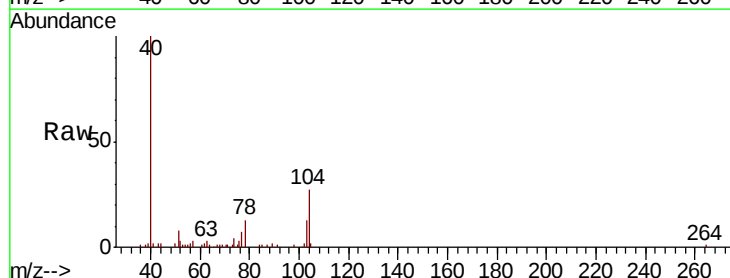
Instrument :
MSVOA_L
ClientSampled :

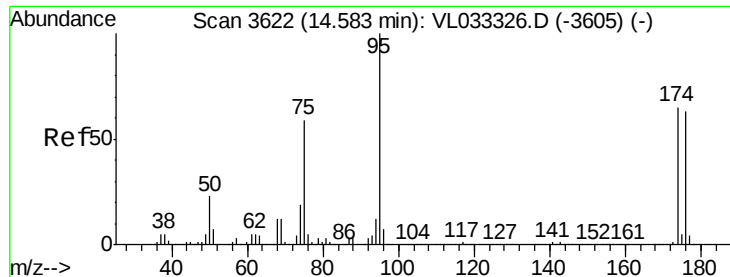
Tot Ion: 91 Resp: 41921
Ion Ratio Lower Upper
91 100
106 44.4 21.3 63.9



#61
Styrene
Concen: 0.059 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033345.D
Acq: 16 Mar 2019 00:24

Tgt Ion: 104 Resp: 8237
Ion Ratio Lower Upper
104 100
78 0.0 42.7 64.1#
103 104.7 38.0 57.0#

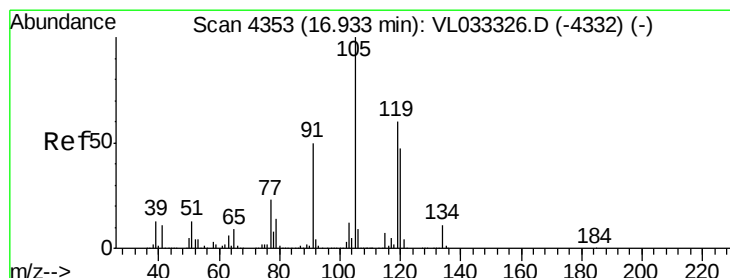
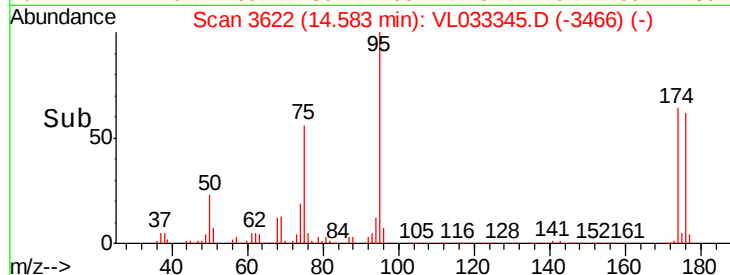
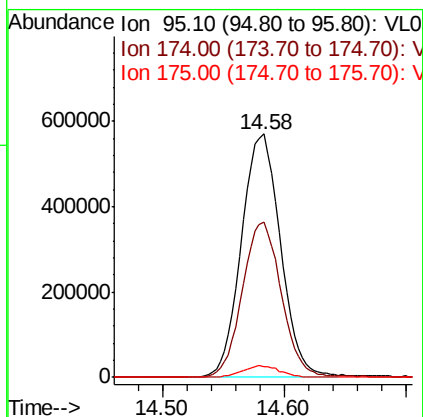
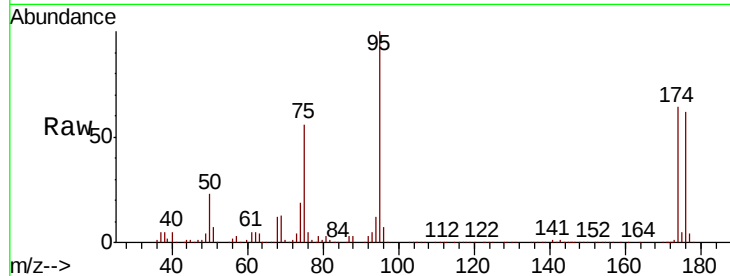




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.050 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VL033345.D
 Acq: 16 Mar 2019 00:24

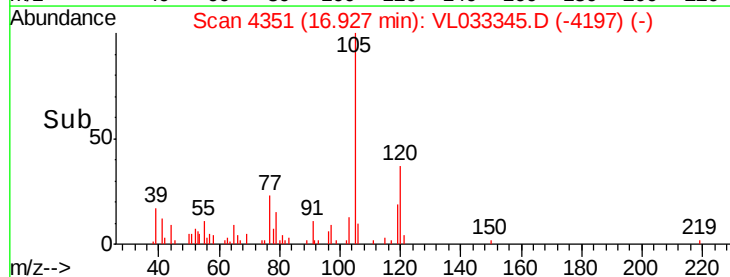
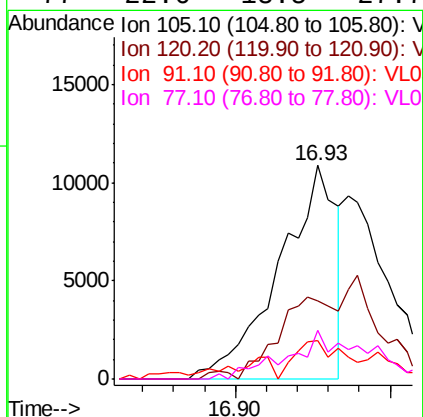
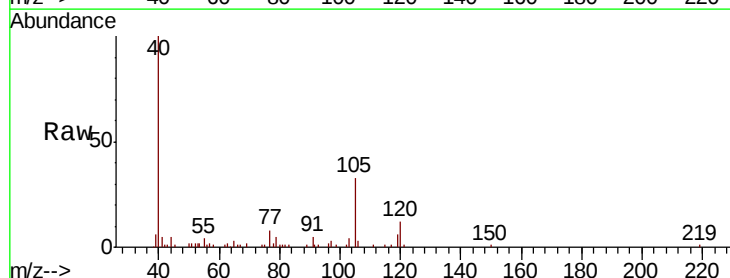
Instrument :
 MSVOA_L
 ClientSampleId :

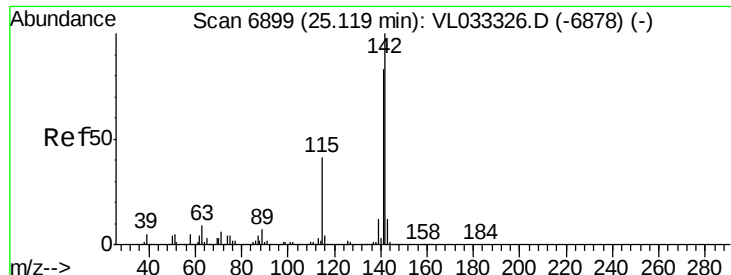
Tot Ion: 95 Resp: 1262201
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.5 77.3
 175 4.7 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.059 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL033345.D
 Acq: 16 Mar 2019 00:24

Tgt Ion:105 Resp: 13916
 Ion Ratio Lower Upper
 105 100
 120 36.8 37.4 56.2#
 91 16.1 41.0 61.4#
 77 22.6 18.5 27.7





#80

Naphthalene, 2-methyl-

Concen: 0.021 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. -0.00 min

Lab File: VL033345.D

Acq: 16 Mar 2019 00:24

Instrument :

MSVOA_L

ClientSampleId :

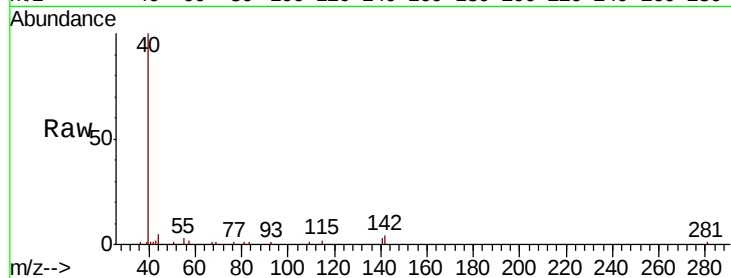
Tot Ion:142 Resp: 2257

Ion Ratio Lower Upper

142 100

141 110.4 67.1 100.7#

115 51.3 33.8 50.6#



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

