

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033343.D
 Acq On : 15 Mar 2019 23:03
 Operator : SY/AP
 Sample : K1827-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:58:55 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

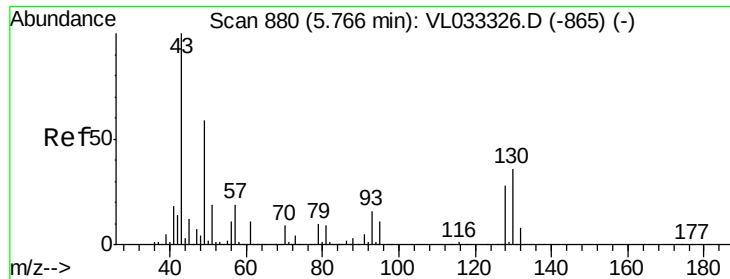
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	685882	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1552912	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1731157	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1310135	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	30830	0.256	ppbv #	86
3) Chlorodifluoromethane	3.01	51	301773	3.833	ppbv #	86
4) Chloromethane	3.17	50	15854	0.372	ppbv	92
9) Propene	3.24	41	66146	1.882	ppbv	88
10) Heptane	8.25	43	48047	0.551	ppbv	96
11) Trichlorofluoromethane	4.00	101	32060	0.267	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.55	101	3387	0.043	ppbv #	14
13) Ethanol	3.65	45	2145039	128.037	ppbv	98
15) Acetone	3.90	43	524014	4.915	ppbv	100
16) 1,3-Butadiene	3.35	39	4961	0.143	ppbv #	62
17) tert-Butyl alcohol	4.37	59	6595	0.440	ppbv #	74
19) Isopropyl Alcohol	4.03	45	705475	13.910	ppbv	99
20) Methylene Chloride	4.41	84	52320	1.505	ppbv	97
21) Allyl Chloride	4.41	41	1284	0.025	ppbv #	18
23) Vinyl Acetate	5.14	43	20371	0.165	ppbv #	47
25) Ethyl Acetate	5.77	43	206391	1.332	ppbv #	97
26) Hexane	5.78	57	92868	1.340	ppbv	97
27) Carbon Disulfide	4.62	76	4515	0.057	ppbv #	82
29) Chloroform	5.85	83	3094	0.027	ppbv	89
31) cis-1,2-Dichloroethene	5.77	61	18330	0.265	ppbv #	30
34) 2-Butanone	5.34	43	70021	0.687	ppbv	98
36) Benzene	7.01	78	18014	0.130	ppbv	93
37) 1,2-Dichloroethane	6.41	62	4634	0.053	ppbv	98
38) Trichloroethene	7.96	130	1950	0.037	ppbv #	23
39) 1,2-Dichloropropane	7.29	63	424592	8.158	ppbv #	24
41) Tetrahydrofuran	6.14	42	1115	0.020	ppbv #	61
43) Methyl Methacrylate	8.14	69	2085	0.039	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	19083	0.083	ppbv #	49
50) 4-Methyl-2-Pentanone	8.88	43	55621	0.386	ppbv	97
52) Tetrachloroethene	11.37	164	1541	0.027	ppbv #	63
53) Toluene	9.95	91	1700907	10.771	ppbv	99
58) Ethyl Benzene	12.87	91	53273	0.218	ppbv	98
59) m/p-Xylene	13.13	91	13513	0.064	ppbv #	100
60) o-Xylene	13.85	91	9995	0.049	ppbv #	34
61) Styrene	13.69	104	4214	0.029	ppbv #	1
69) p-Isopropyltoluene	17.82	119	5996	0.020	ppbv #	33
74) 1,2,4-Trimethylbenzene	16.93	105	9706	0.040	ppbv #	65
80) Naphthalene, 2-methyl-	25.13	142	3559	0.032	ppbv #	88

(#) = 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: VL033343.D

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Instrument :

MSVOA_L

ClientSampleId :

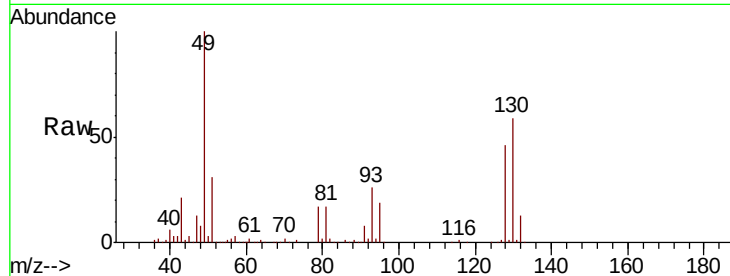
Tot Ion: 49 Resp: 685882

Ion Ratio Lower Upper

49 100

128 45.6 23.5 70.6

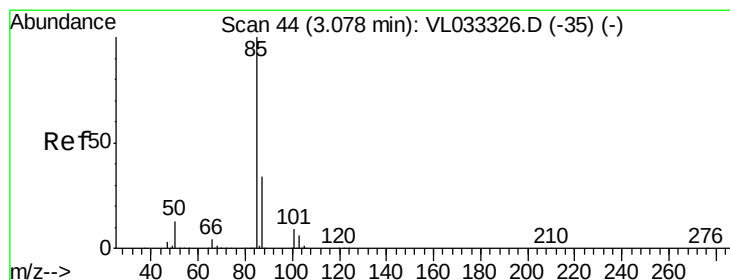
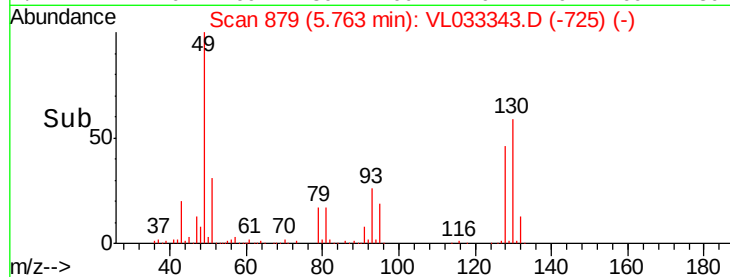
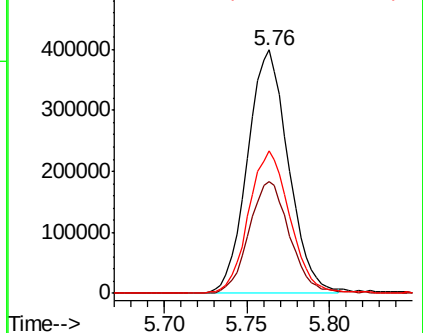
130 59.7 30.1 90.3



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



#2

Dichlorodifluoromethane

Concen: 0.256 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033343.D

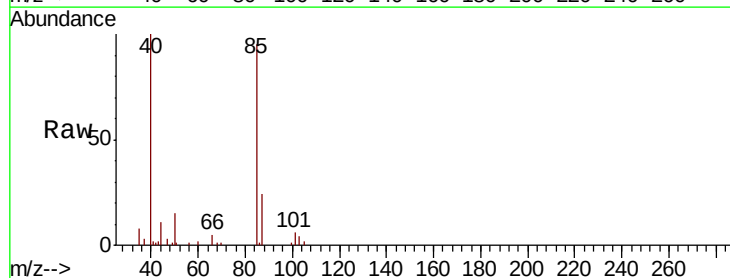
Acq: 15 Mar 2019 23:03

Tgt Ion: 85 Resp: 30830

Ion Ratio Lower Upper

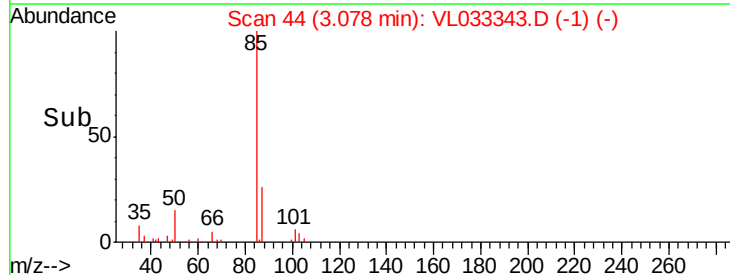
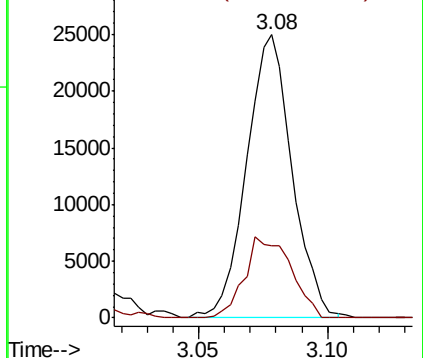
85 100

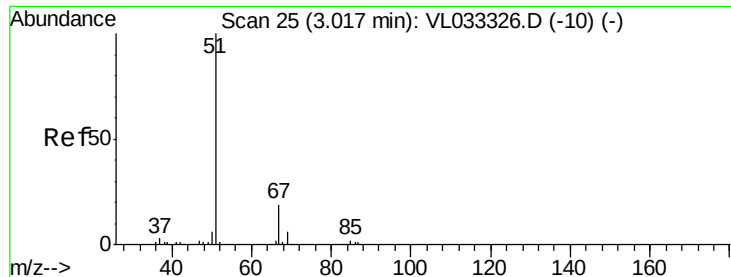
87 25.6 26.9 40.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

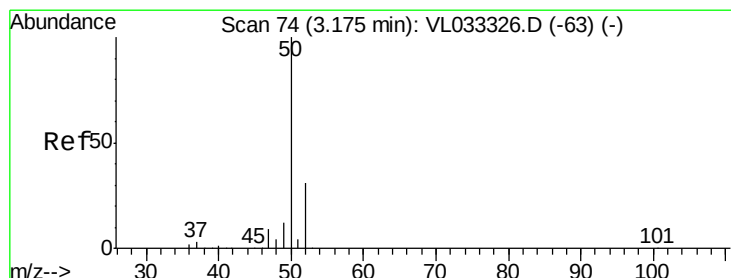
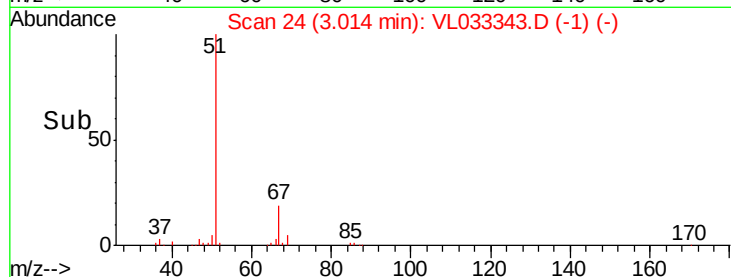
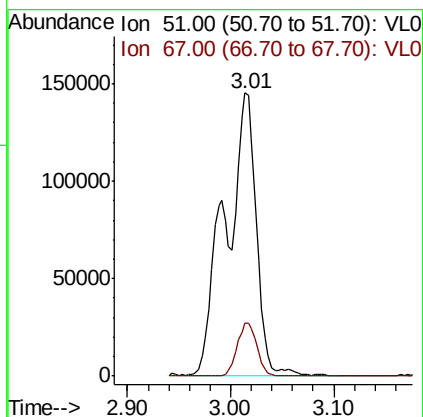
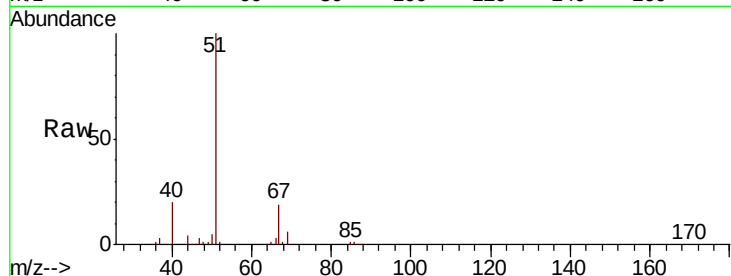




#3
 Chlorodifluoromethane
 Concen: 3.833 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

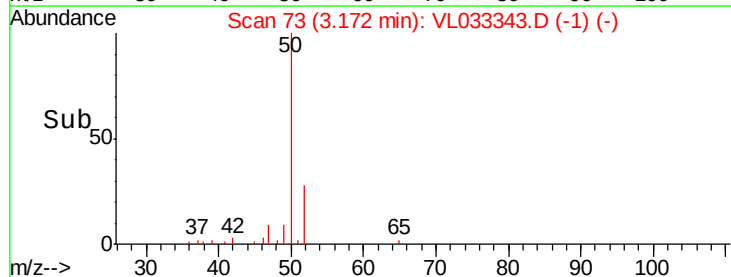
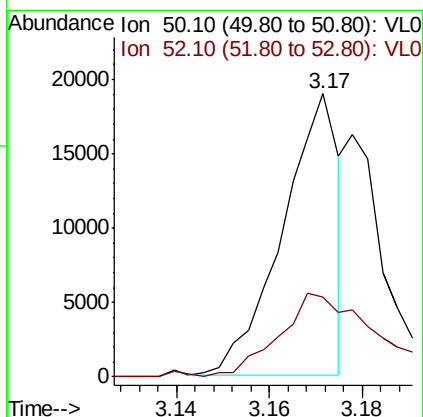
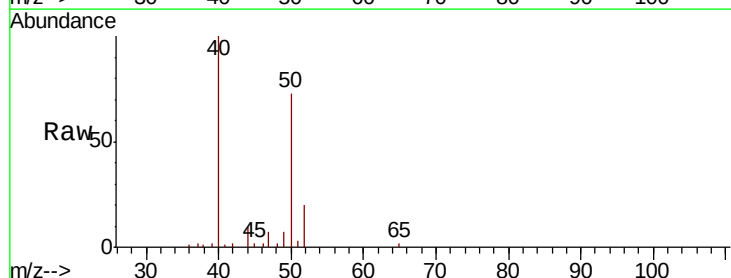
Instrument :
 MSVOA_L
 ClientSampleId :

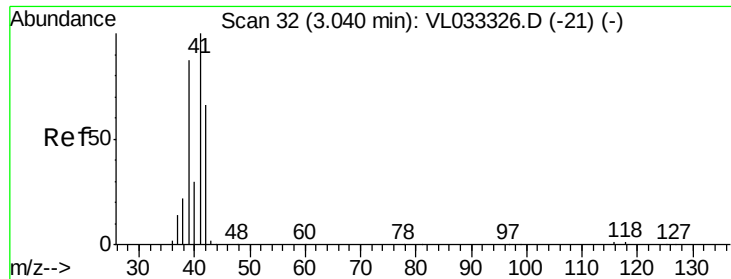
Tot Ion: 51 Resp: 301773
 Ion Ratio Lower Upper
 51 100
 67 12.2 14.9 22.3#



#4
 Chloromethane
 Concen: 0.372 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. -0.00 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion: 50 Resp: 15854
 Ion Ratio Lower Upper
 50 100
 52 27.1 25.0 37.6





#9

Propene

Concen: 1.882 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

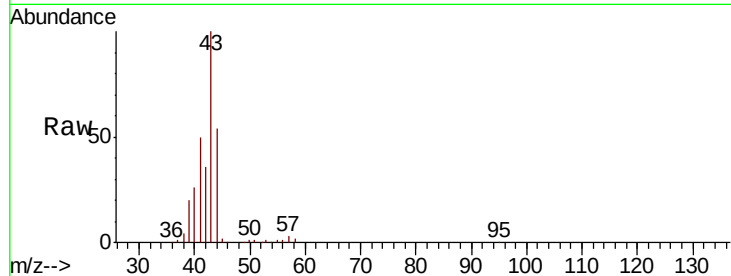
ClientSampleId :

Tot Ion: 41 Resp: 66146

Ion Ratio Lower Upper

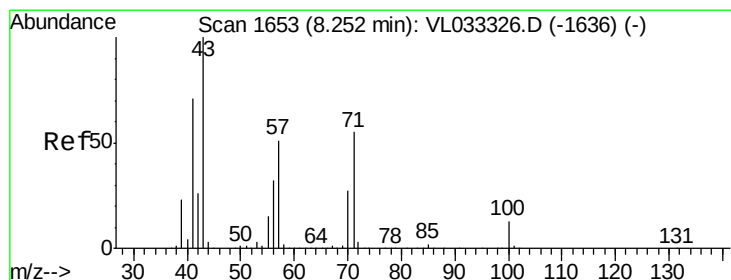
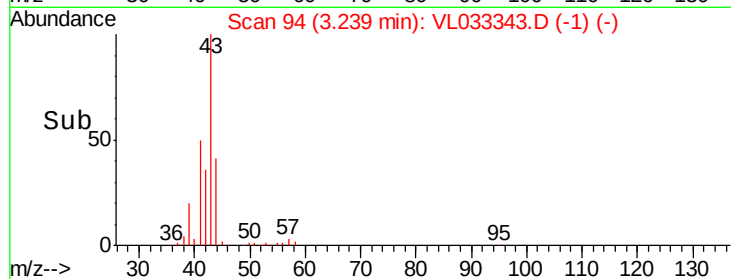
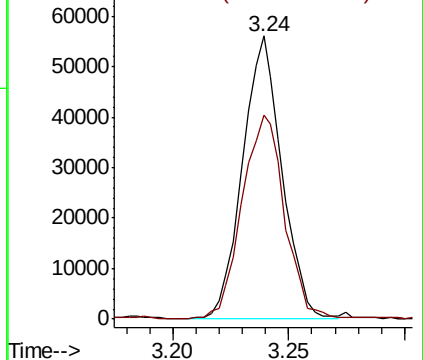
41 100

42 78.9 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: 0.551 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033343.D

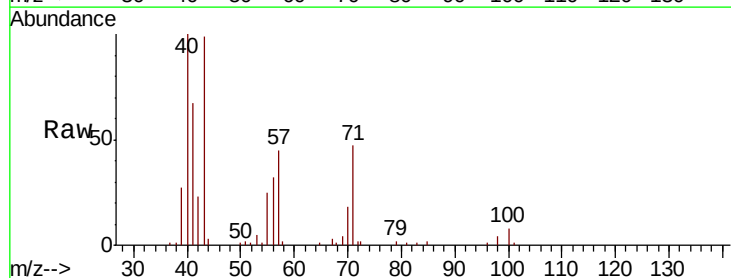
Acq: 15 Mar 2019 23:03

Tgt Ion: 43 Resp: 48047

Ion Ratio Lower Upper

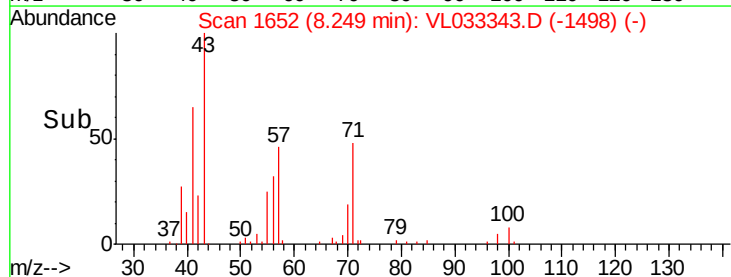
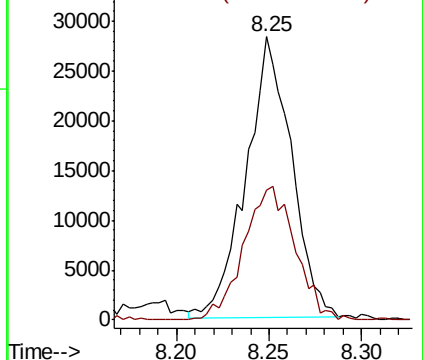
43 100

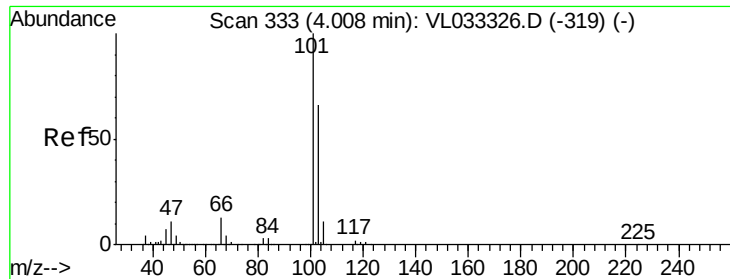
57 53.6 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.267 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

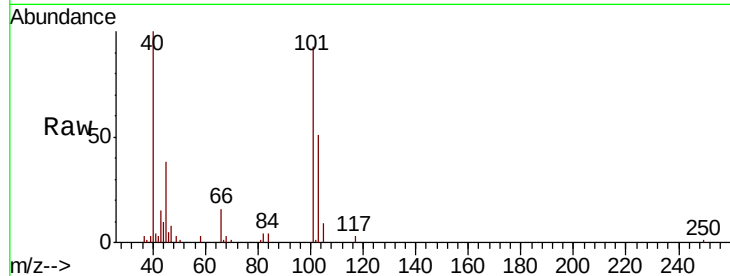
ClientSampleId :

Tot Ion:101 Resp: 32060

Ion Ratio Lower Upper

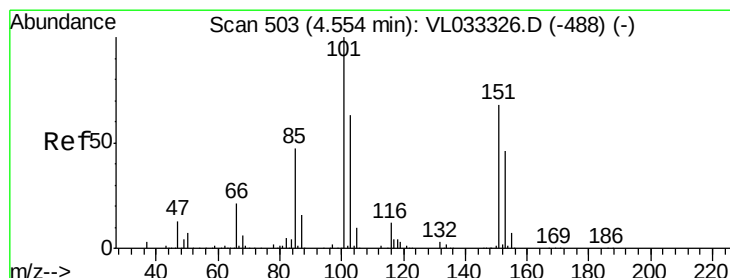
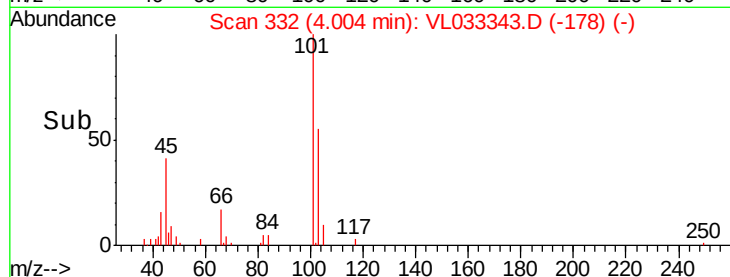
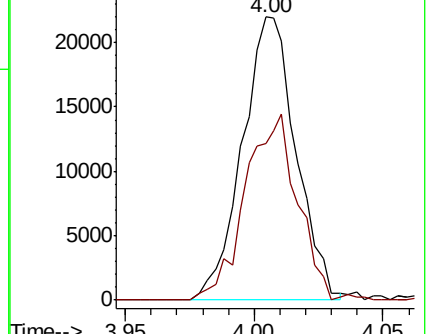
101 100

103 54.6 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: 0.043 ppbv

RT: 4.55 min Scan# 501

Delta R.T. -0.01 min

Lab File: VL033343.D

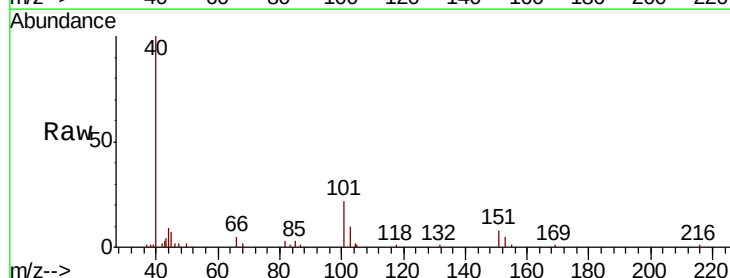
Acq: 15 Mar 2019 23:03

Tgt Ion:101 Resp: 3387

Ion Ratio Lower Upper

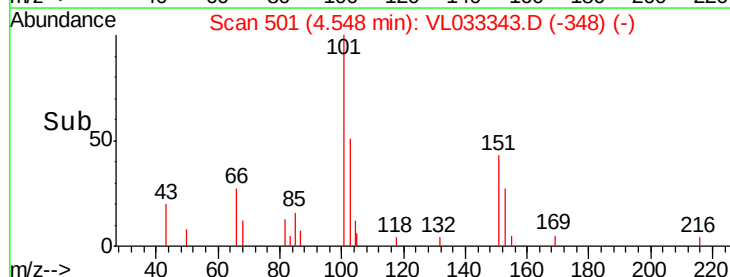
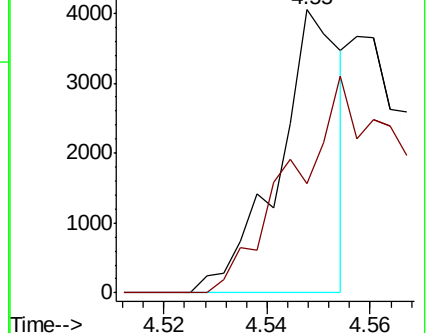
101 100

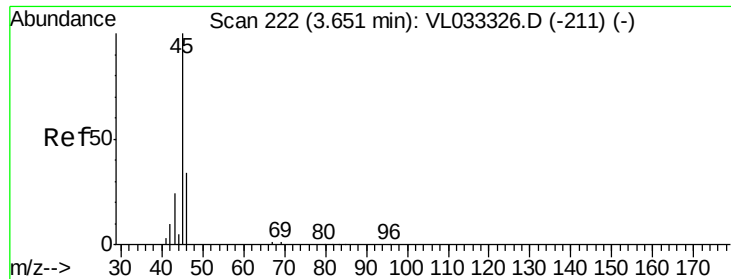
151 0.0 56.3 84.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

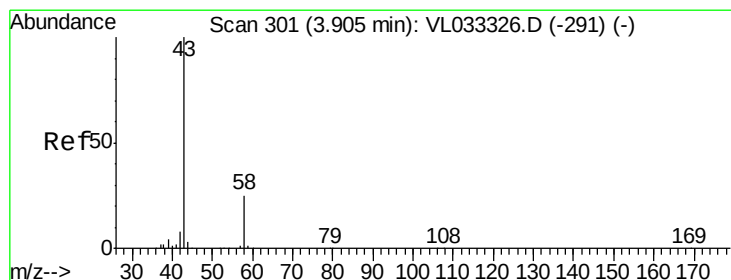
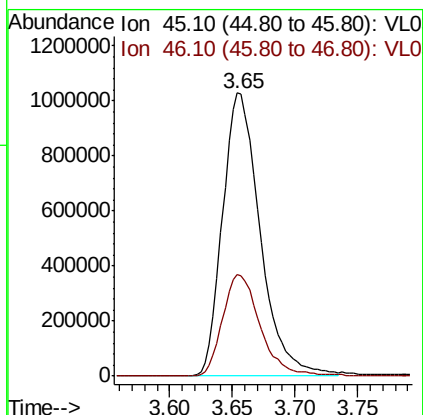
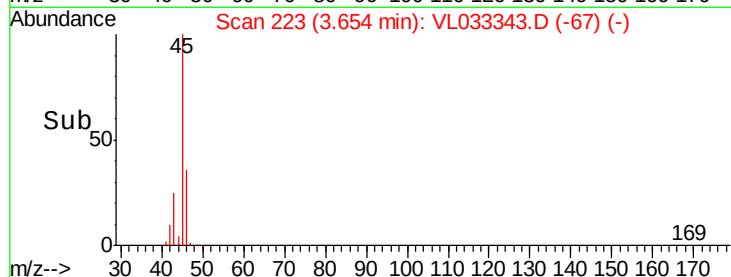
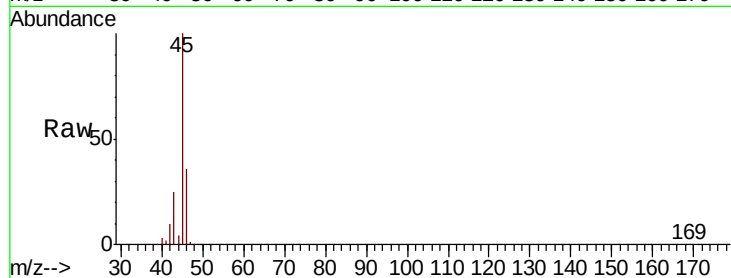




#13
Ethanol
Concen: 128.037 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

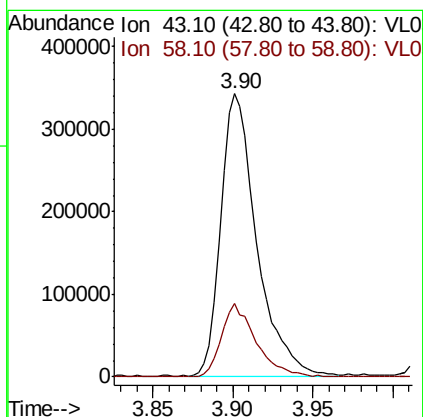
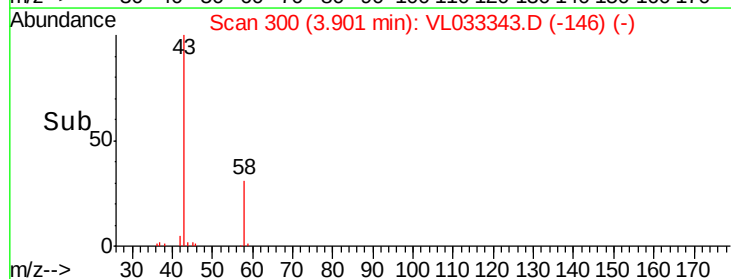
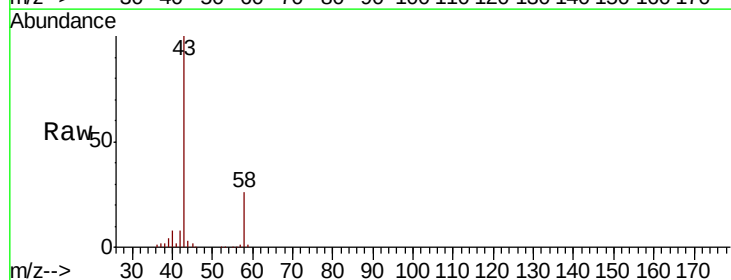
Instrument :
MSVOA_L
ClientSampleId :

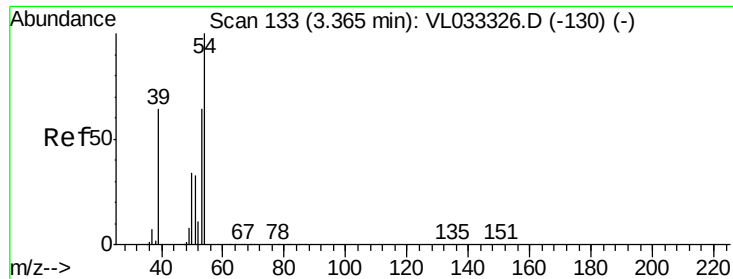
Tot Ion: 45 Resp: 2145039
Ion Ratio Lower Upper
45 100
46 36.2 14.9 59.7



#15
Acetone
Concen: 4.915 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

Tgt Ion: 43 Resp: 524014
Ion Ratio Lower Upper
43 100
58 25.3 20.4 30.6

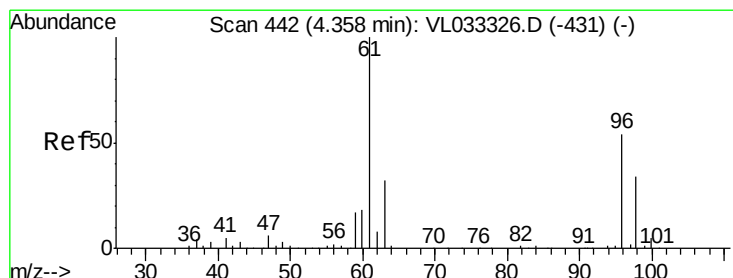
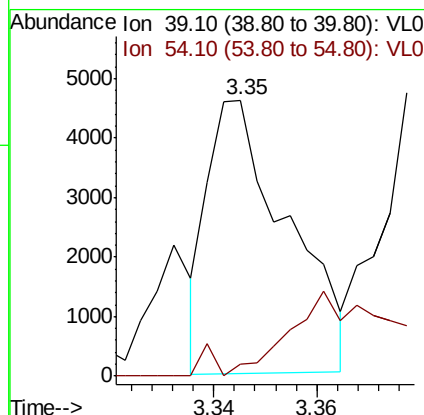
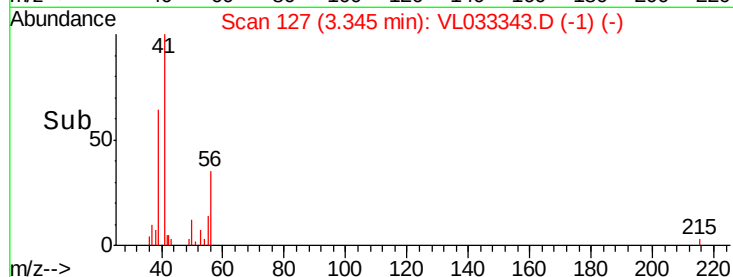
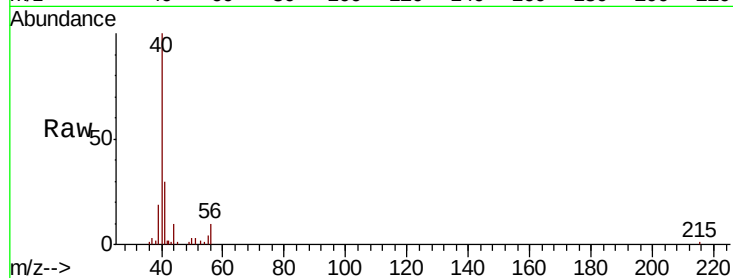




#16
 1,3-Butadiene
 Concen: 0.143 ppbv
 RT: 3.35 min Scan# 127
 Delta R.T. -0.02 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

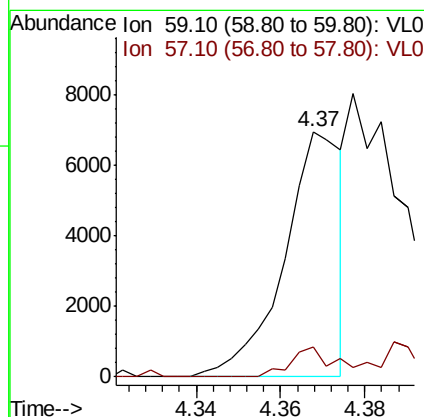
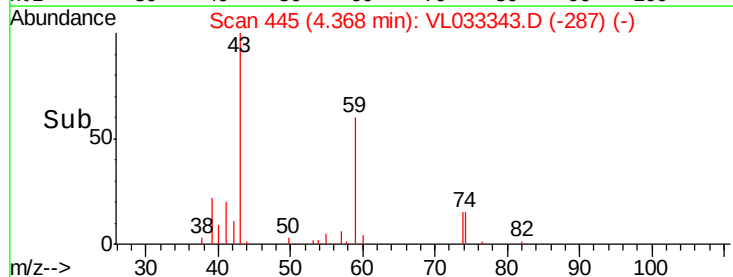
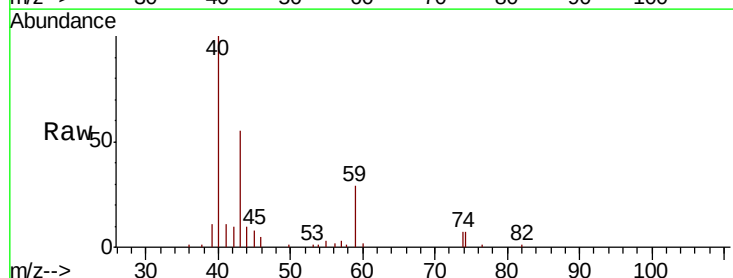
Instrument :
 MSVOA_L
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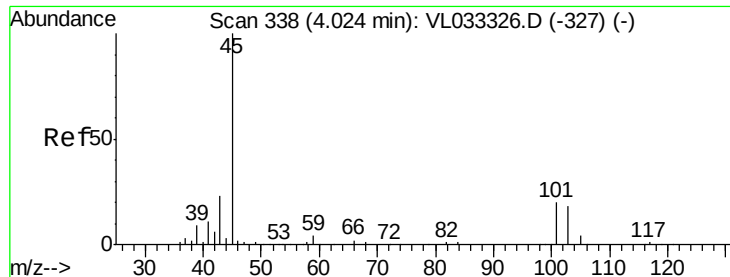
Tot Ion: 39 Resp: 4961
 Ion Ratio Lower Upper
 39 100
 54 58.5 76.8 115.2#



#17
 tert-Butyl alcohol
 Concen: 0.440 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion: 59 Resp: 6595
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#





#19

Isopropyl Alcohol

Concen: 13.910 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

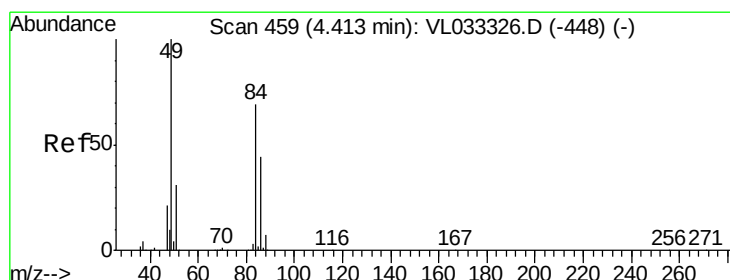
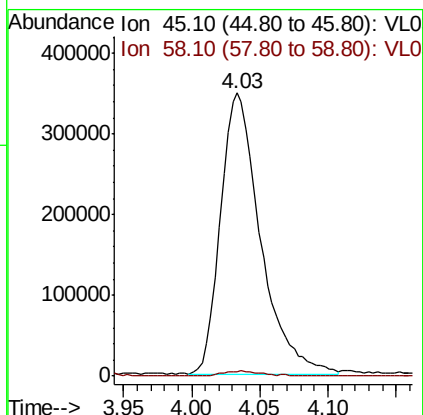
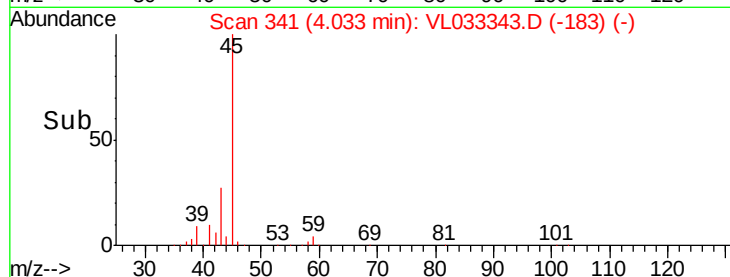
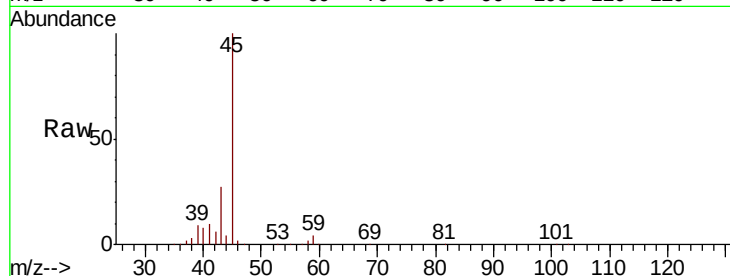
ClientSampleId :

Tot Ion: 45 Resp: 705475

Ion Ratio Lower Upper

45 100

58 2.2 1.5 2.3



#20

Methylene Chloride

Concen: 1.505 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Tgt Ion: 84 Resp: 52320

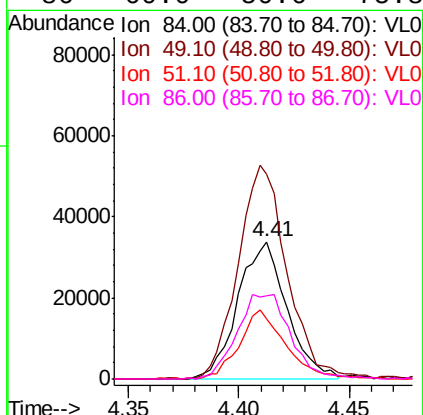
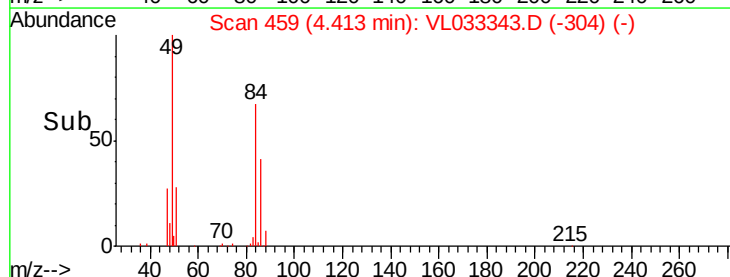
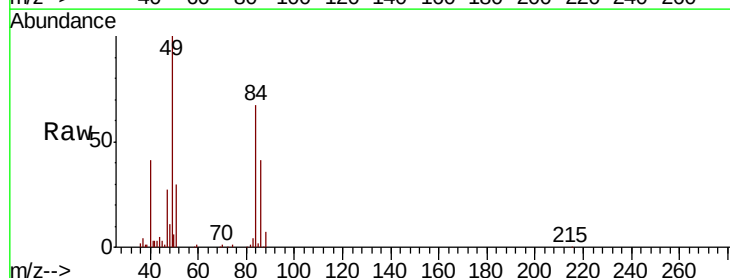
Ion Ratio Lower Upper

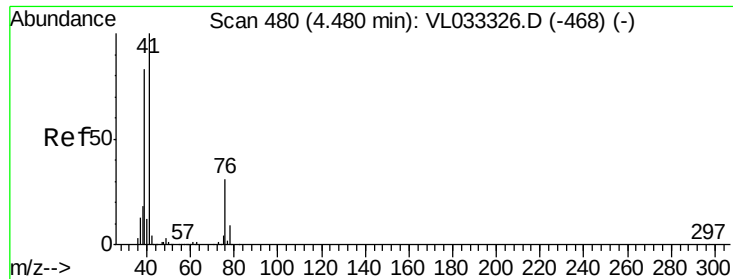
84 100

49 148.8 115.4 173.0

51 43.5 35.8 53.6

86 60.0 50.6 75.8

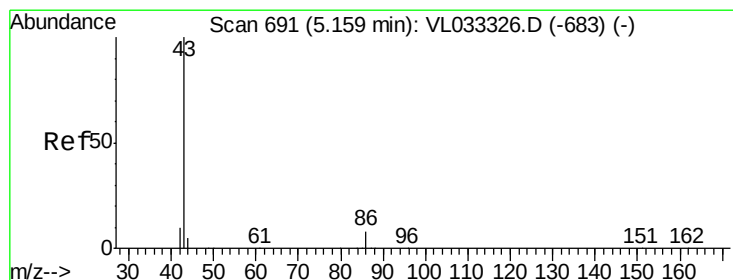
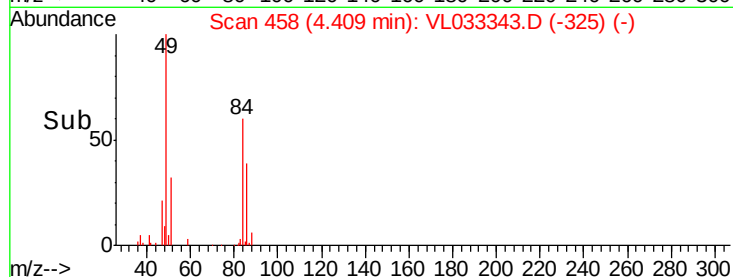
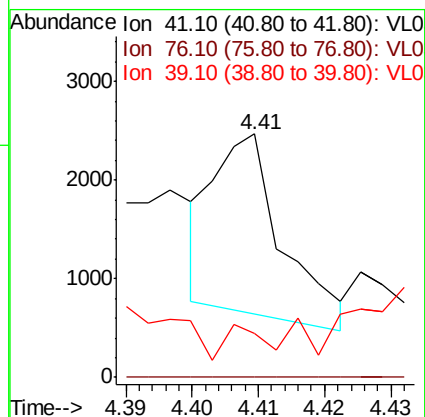
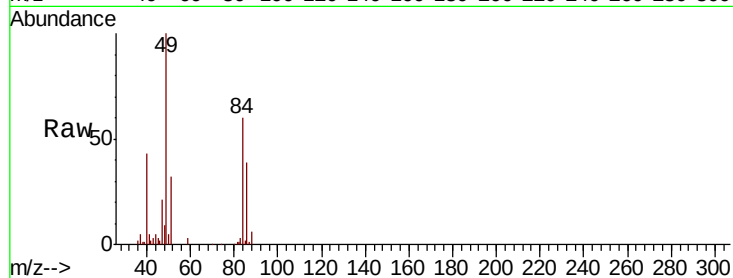




#21
Allvl Chloride
Concen: 0.025 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.07 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

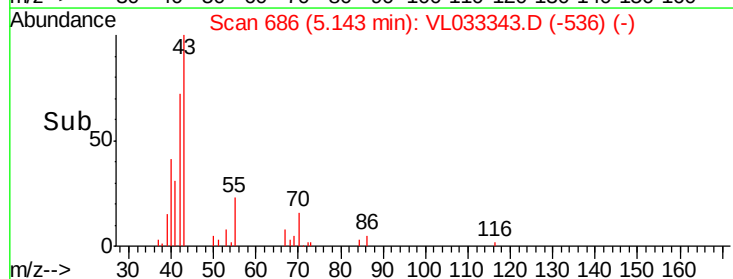
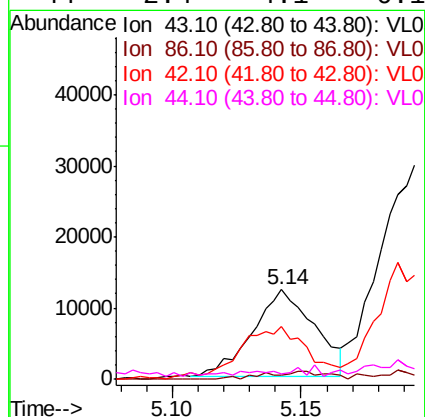
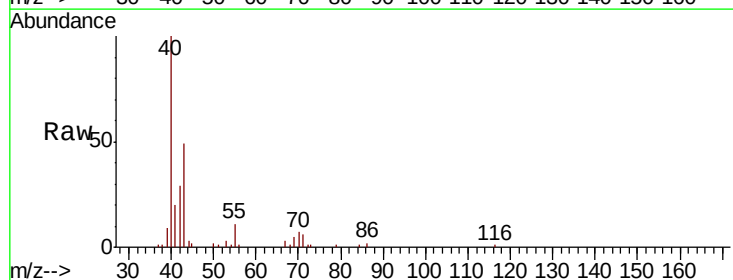
Instrument :
MSVOA_L
ClientSampleId :

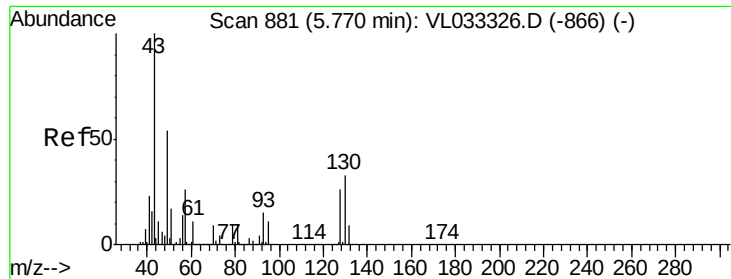
Tot Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	0.0	65.9	98.9#



#23
Vinyl Acetate
Concen: 0.165 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

Tgt Ion	Ratio	Lower	Upper
43	100		
86	4.4	6.2	9.2#
42	50.1	8.1	12.1#
44	2.4	4.1	6.1#





#25

Ethyl Acetate

Concen: 1.332 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL033343.D

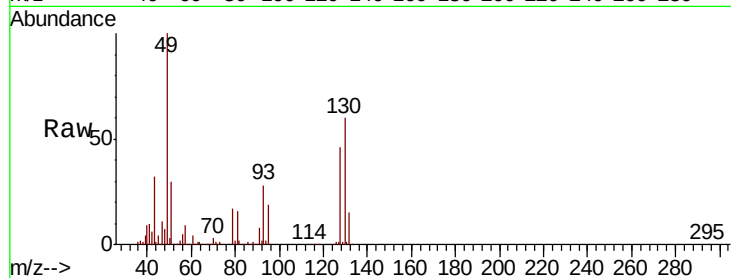
Acq: 15 Mar 2019 23:03

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 206391

Ion Ratio Lower Upper

43	100		
45	12.0	7.9	11.9#
61	8.9	7.4	11.2
70	7.3	5.7	8.5



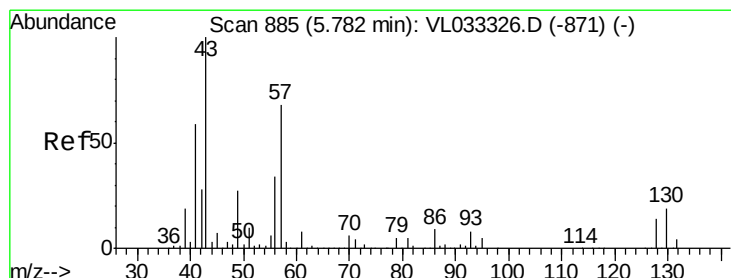
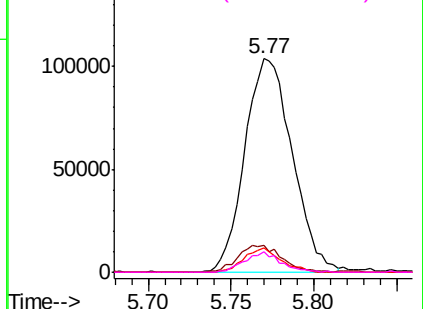
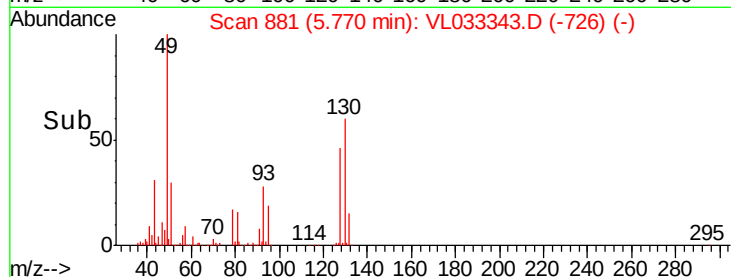
Abundance

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: 1.340 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

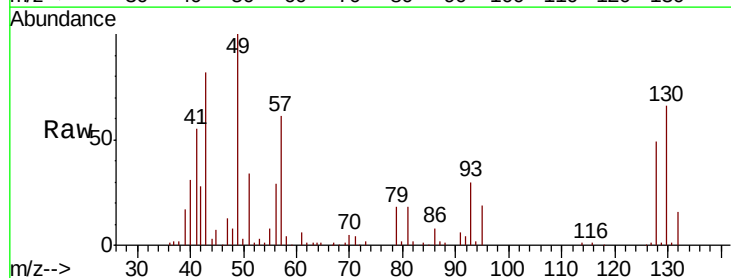
Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Tgt Ion: 57 Resp: 92868

Ion Ratio Lower Upper

57	100		
41	95.2	70.5	105.7
43	226.5	181.8	272.8
56	55.6	42.2	63.2



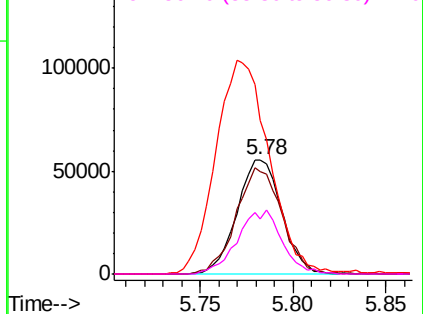
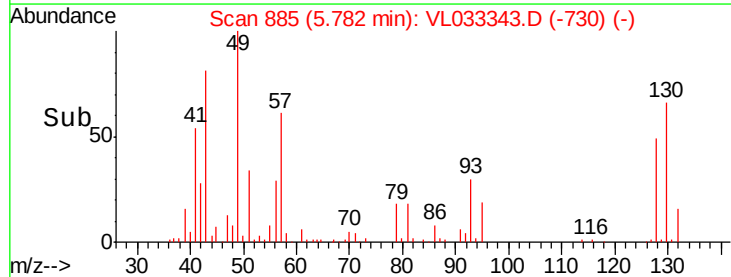
Abundance

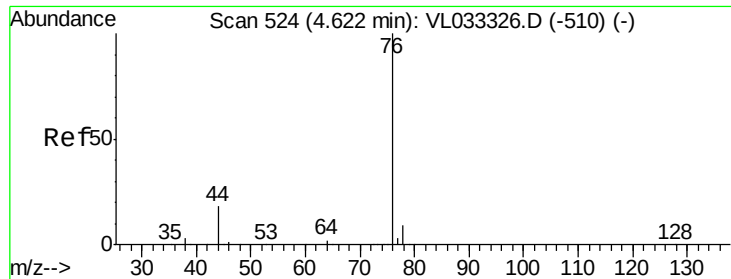
Ion 57.10 (56.80 to 57.80): VL0

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: 0.057 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

ClientSampled :

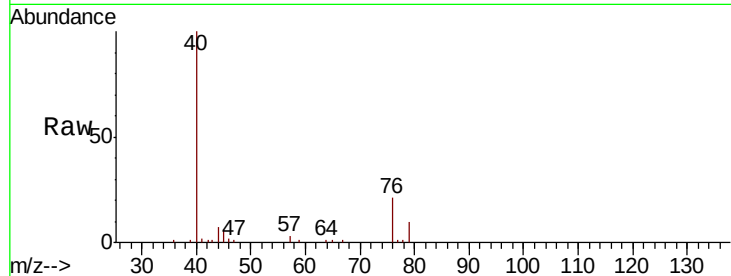
Tot Ion: 76 Resp: 4515

Ion Ratio Lower Upper

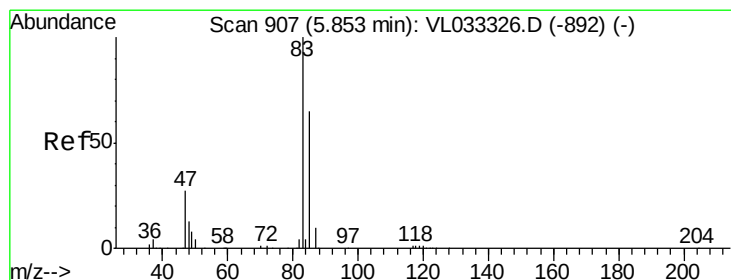
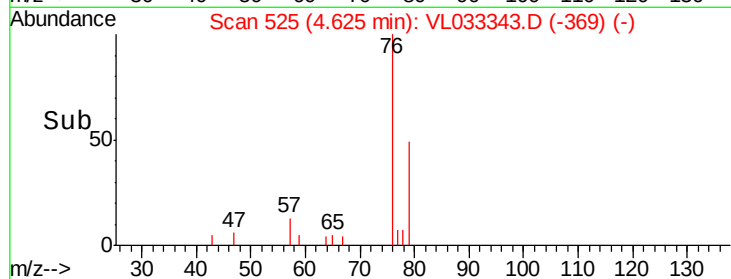
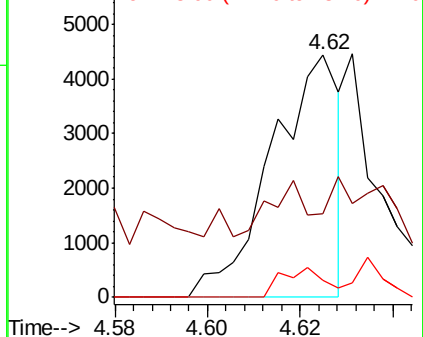
76 100

44 25.5 15.2 22.8#

78 0.0 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: 0.027 ppbv

RT: 5.85 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL033343.D

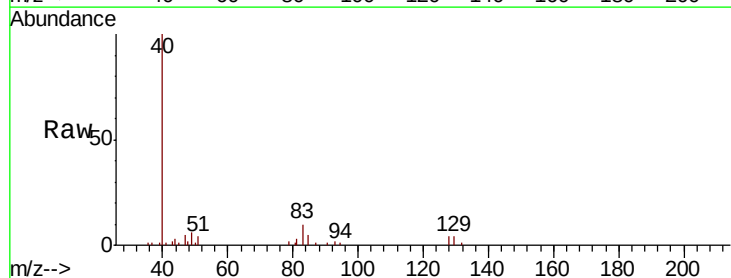
Acq: 15 Mar 2019 23:03

Tgt Ion: 83 Resp: 3094

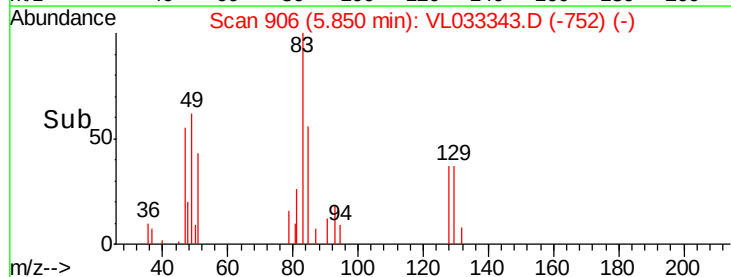
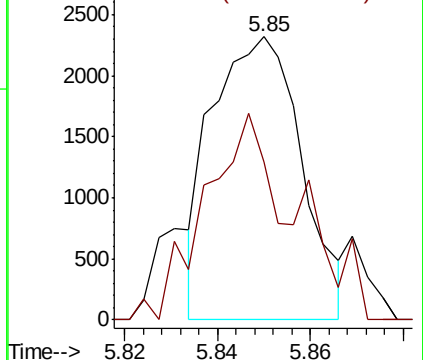
Ion Ratio Lower Upper

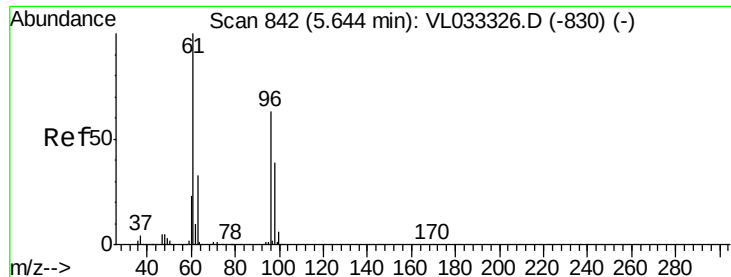
83 100

85 56.5 52.0 78.0



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



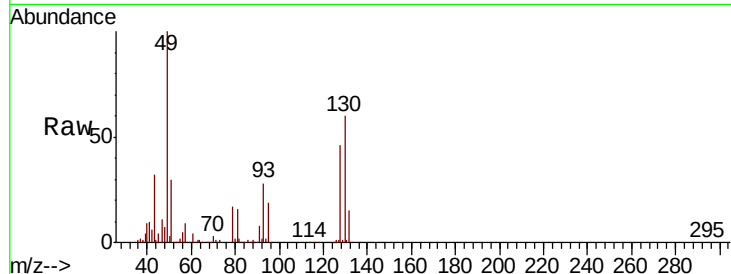


#31

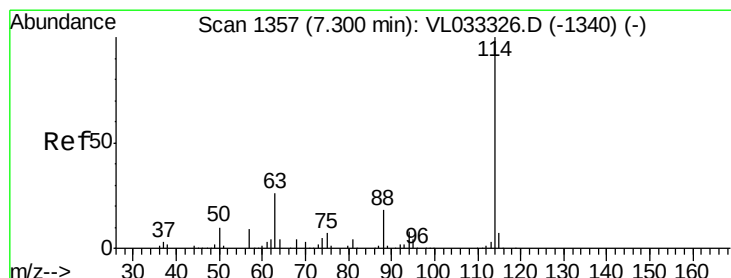
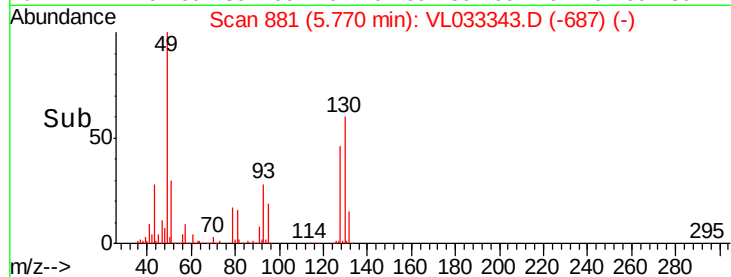
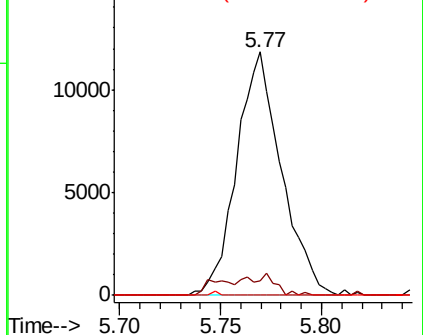
cis-1,2-Dichloroethene
 Concen: 0.265 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. 0.13 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 61 Resp: 18330
 Ion Ratio Lower Upper
 61 100
 96 6.0 50.3 75.5#
 98 0.0 31.5 47.3#



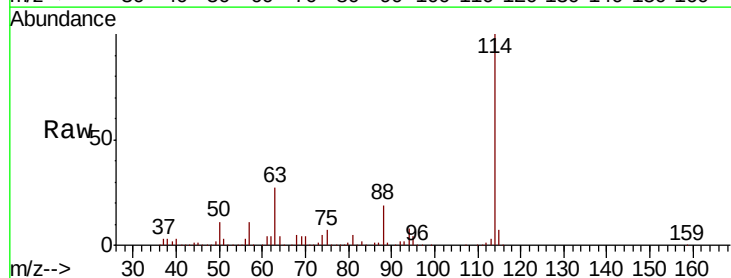
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



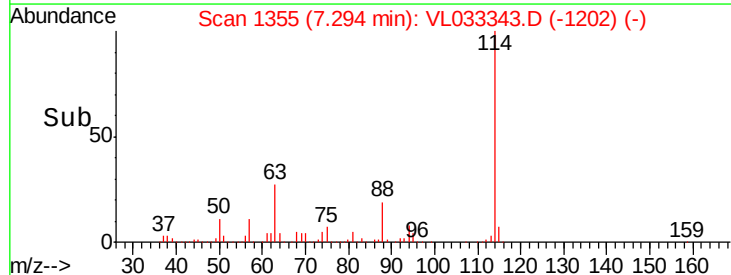
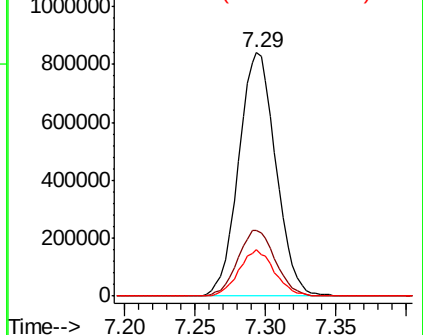
#33

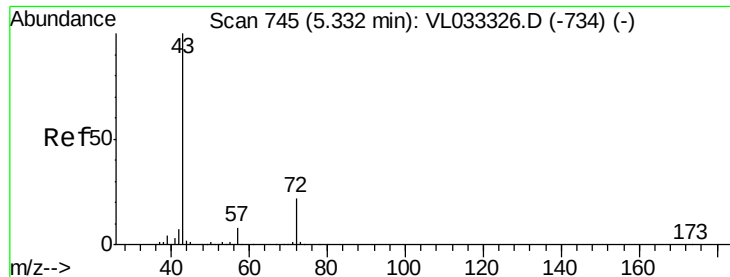
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion:114 Resp: 1552912
 Ion Ratio Lower Upper
 114 100
 63 27.4 21.4 32.2
 88 18.3 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

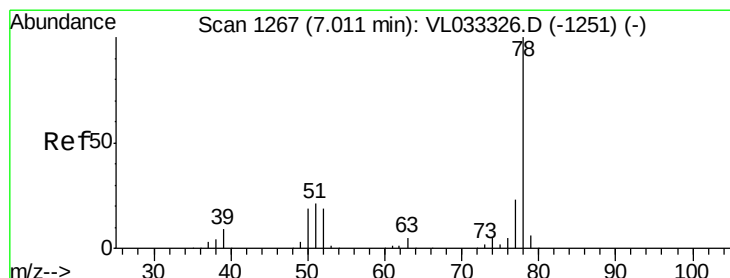
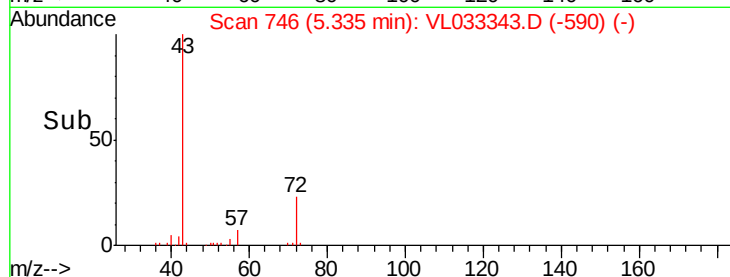
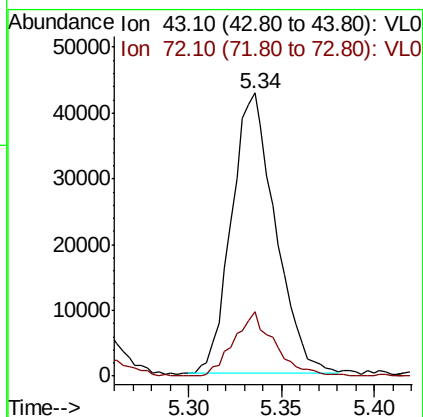
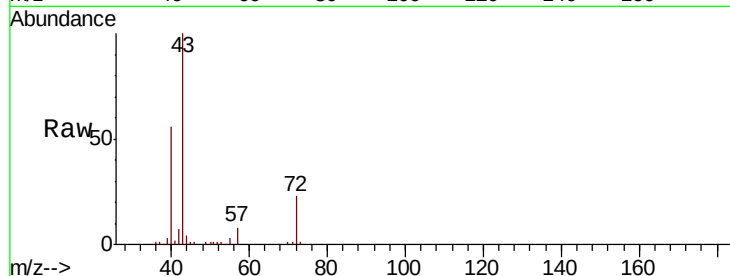




#34
 2-Butanone
 Concen: 0.687 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

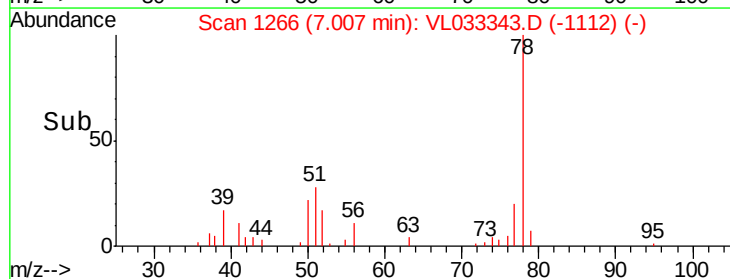
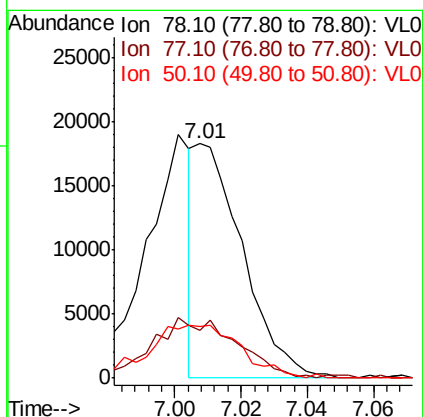
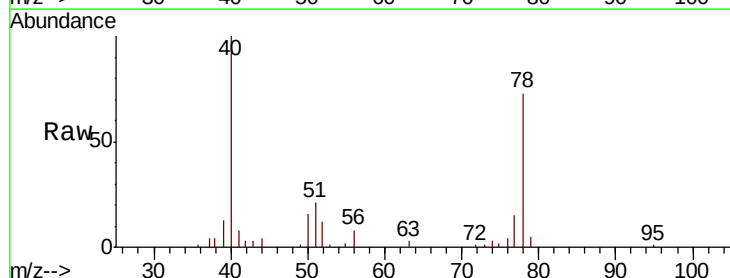
Instrument :
 MSVOA_L
 ClientSampleId :

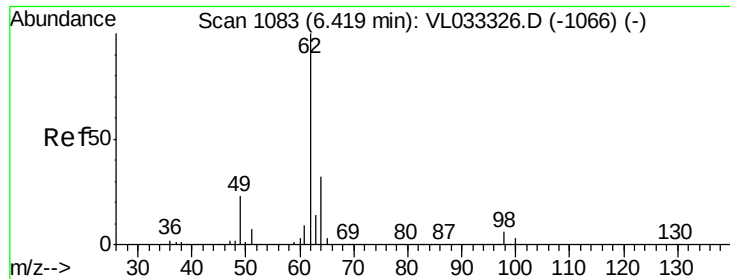
Tot Ion: 43 Resp: 70021
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.7 26.5



#36
 Benzene
 Concen: 0.130 ppbv
 RT: 7.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion: 78 Resp: 18014
 Ion Ratio Lower Upper
 78 100
 77 18.9 18.1 27.1
 50 22.2 15.2 22.8

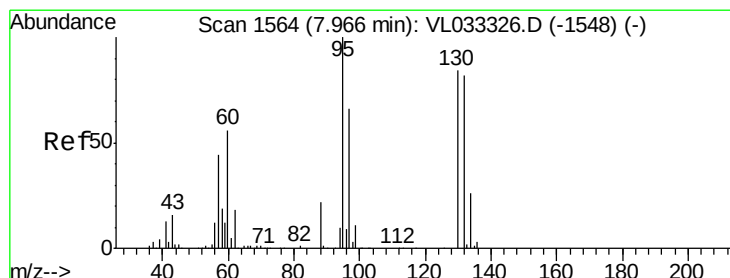
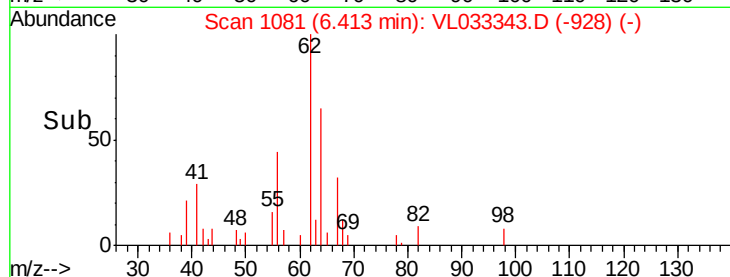
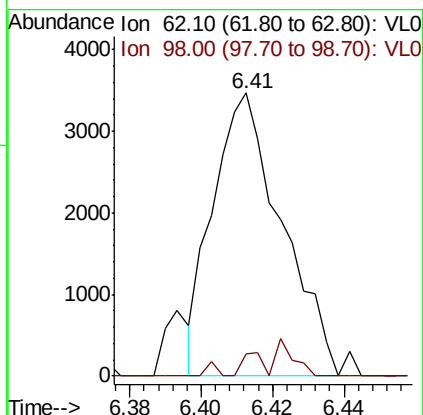
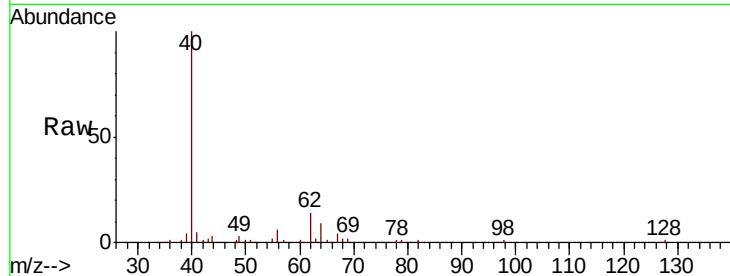




#37
 1,2-Dichloroethane
 Concen: 0.053 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

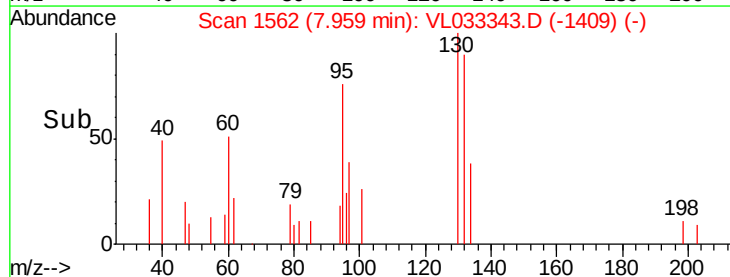
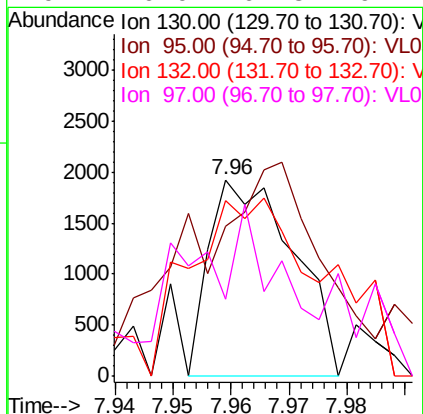
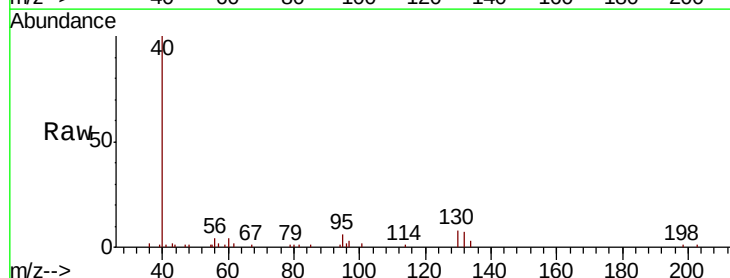
Instrument :
 MSVOA_L
 ClientSampleId :

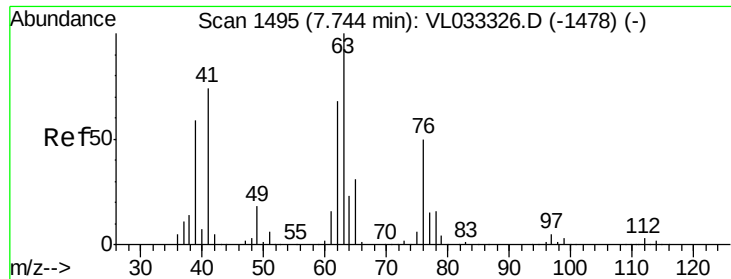
Tot Ion: 62 Resp: 4634
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.5 6.7



#38
 Trichloroethene
 Concen: 0.037 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion: 130 Resp: 1950
 Ion Ratio Lower Upper
 130 100
 95 30.9 95.2 142.8#
 132 34.6 77.7 116.5#
 97 0.0 62.8 94.2#

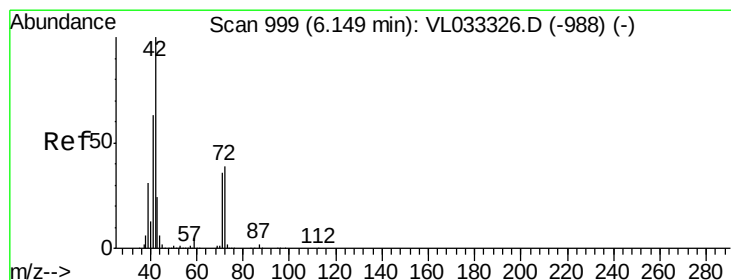
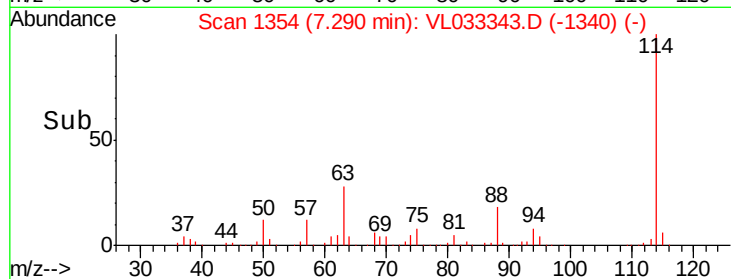
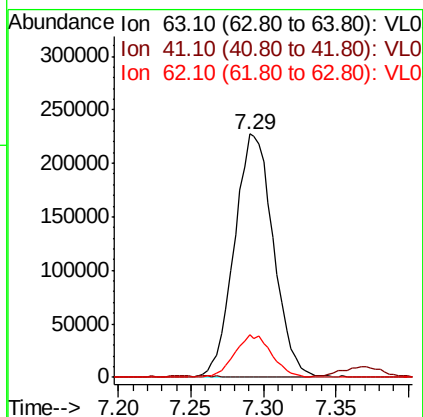
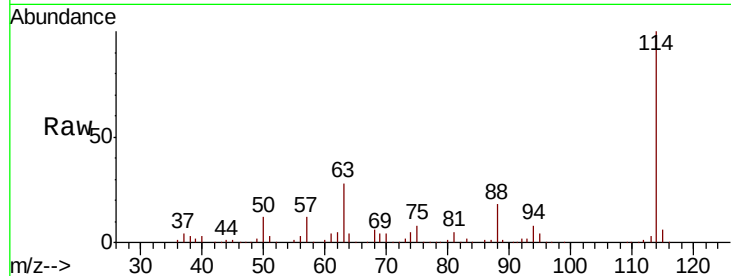




#39
 1,2-Dichloropropane
 Concen: 8.158 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

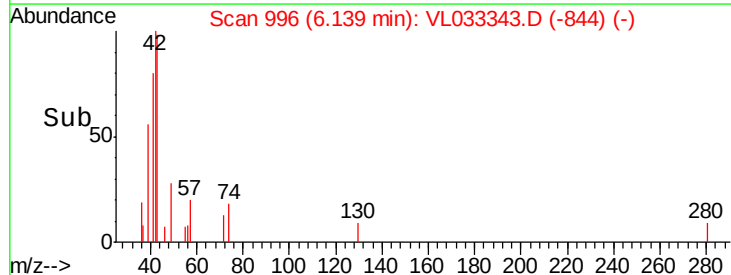
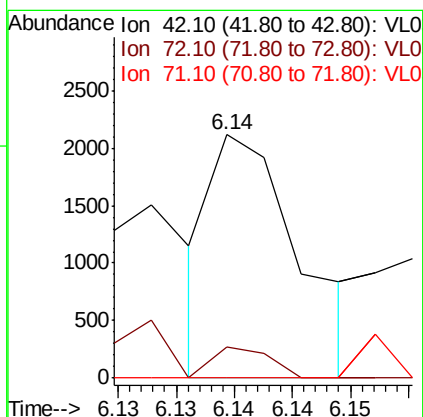
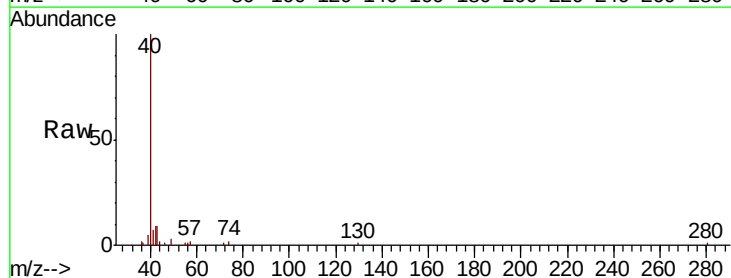
Instrument :
 MSVOA_L
 ClientSampleId :

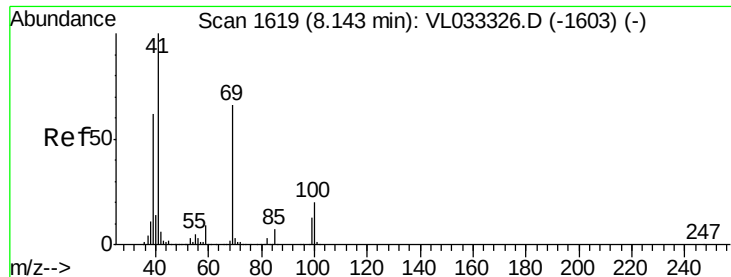
Tot Ion: 63 Resp: 424592
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.5 89.3#
 62 17.4 54.7 82.1#



#41
 Tetrahydrofuran
 Concen: 0.020 ppbv
 RT: 6.14 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion: 42 Resp: 1115
 Ion Ratio Lower Upper
 42 100
 72 29.2 31.6 47.4#
 71 0.0 29.9 44.9#

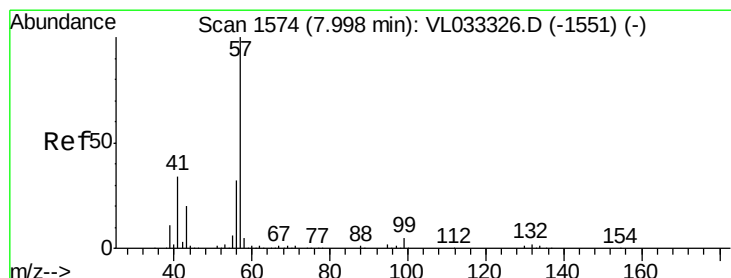
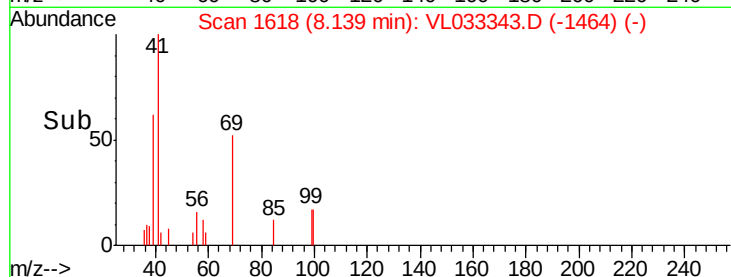
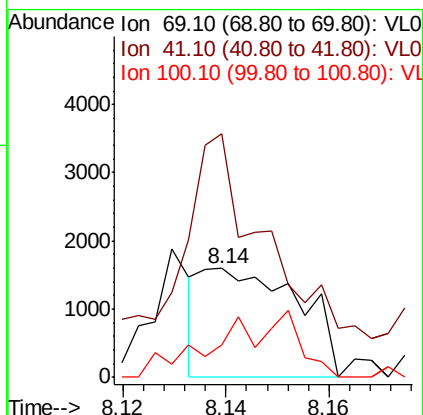
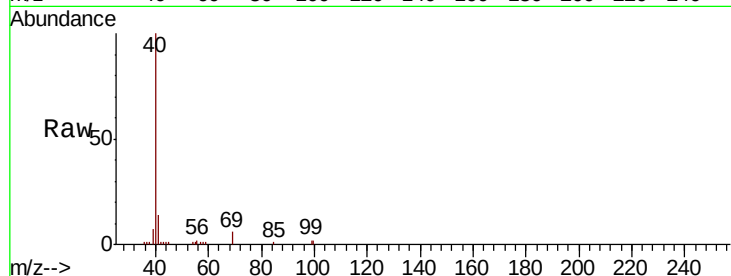




#43
Methyl Methacrylate
Concen: 0.039 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

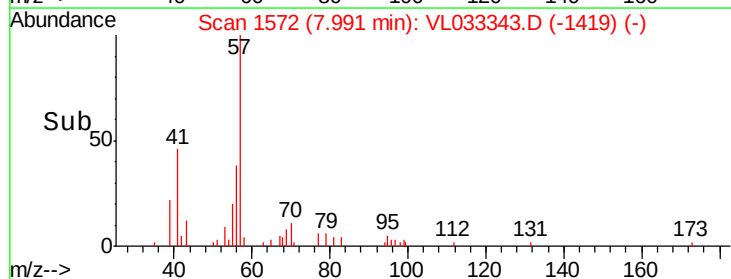
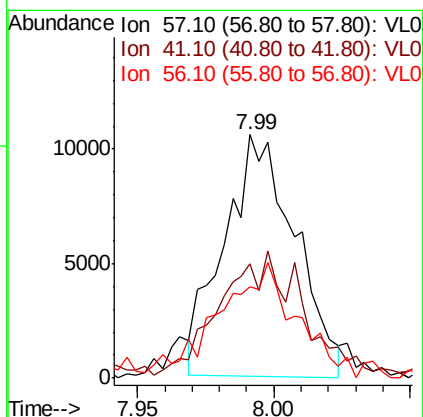
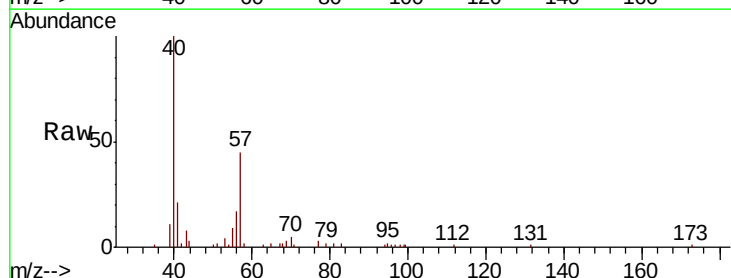
Instrument :
MSVOA_L
ClientSampled :

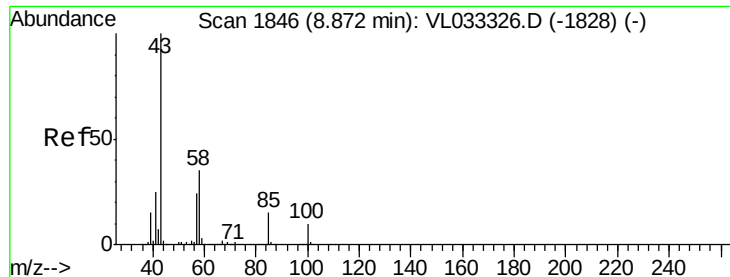
Tot Ion: 69 Resp: 2085
Ion Ratio Lower Upper
69 100
41 311.1 119.5 179.3#
100 0.0 24.4 36.6#



#44
2,2,4-Trimethylpentane
Concen: 0.083 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

Tgt Ion: 57 Resp: 19083
Ion Ratio Lower Upper
57 100
41 64.7 26.0 39.0#
56 54.8 24.6 36.8#

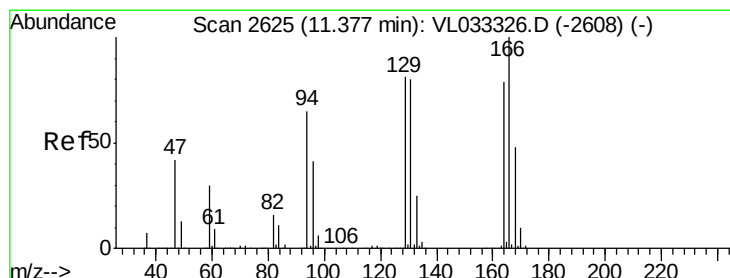
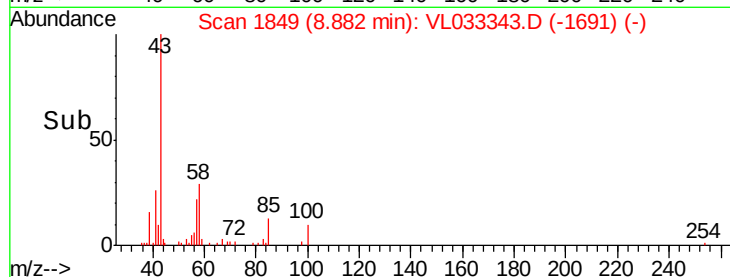
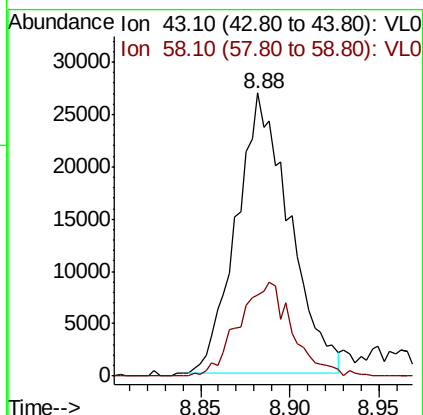
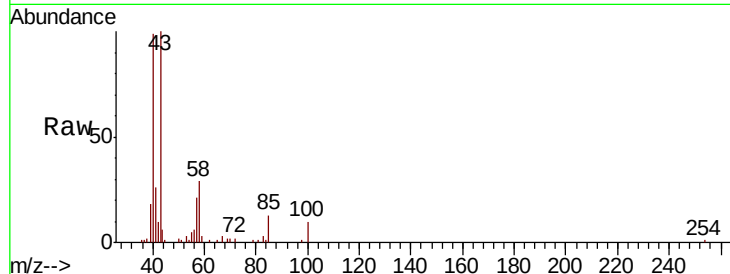




#50
4-Methyl-2-Pentanone
Concen: 0.386 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

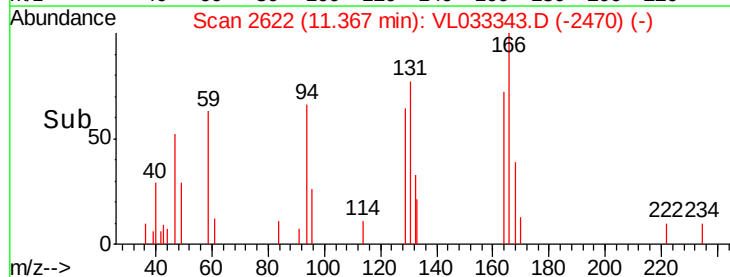
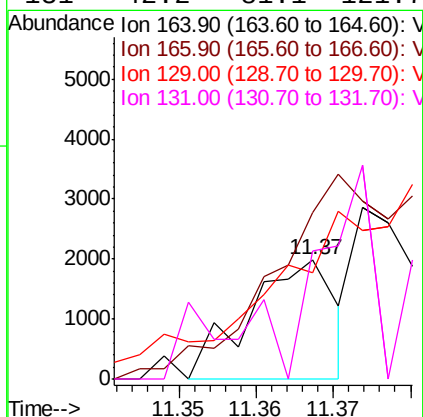
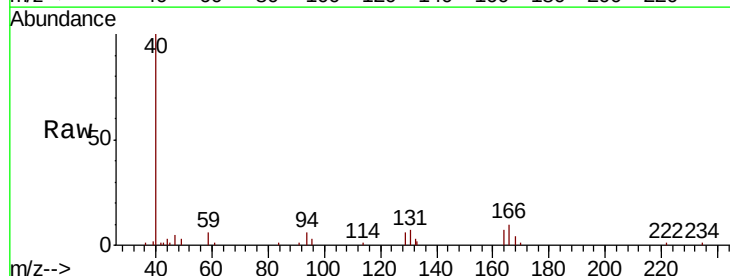
Instrument :
MSVOA_L
ClientSampleId :

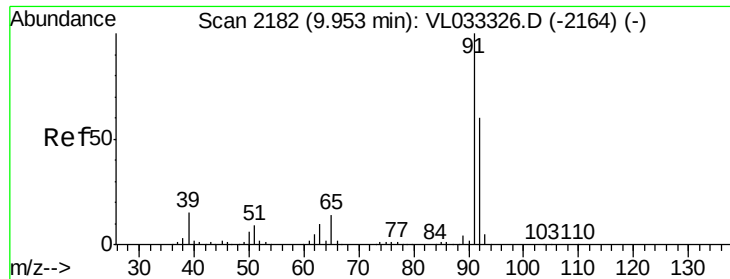
Tot Ion: 43 Resp: 55621
Ion Ratio Lower Upper
43 100
58 34.0 28.4 42.6



#52
Tetrachloroethene
Concen: 0.027 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

Tgt Ion: 164 Resp: 1541
Ion Ratio Lower Upper
164 100
166 111.5 101.5 152.3
129 58.7 82.2 123.2#
131 42.2 81.1 121.7#





#53

Toluene

Concen: 10.771 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

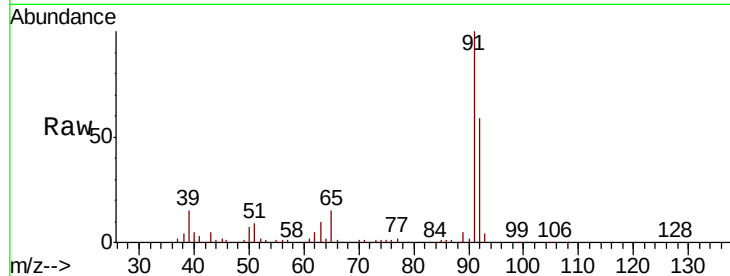
ClientSampleId :

Tot Ion: 91 Resp: 1700907

Ion Ratio Lower Upper

91 100

92 59.9 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.95

800000

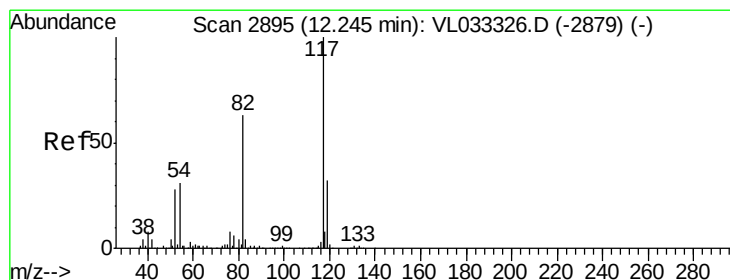
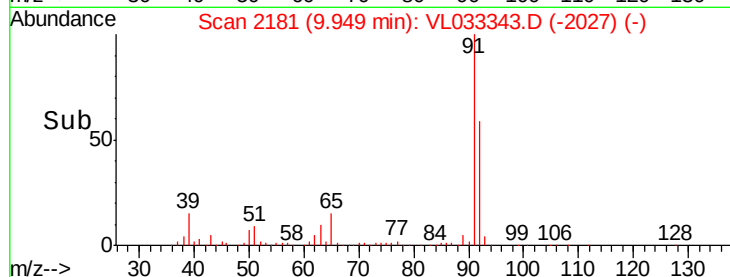
600000

400000

200000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

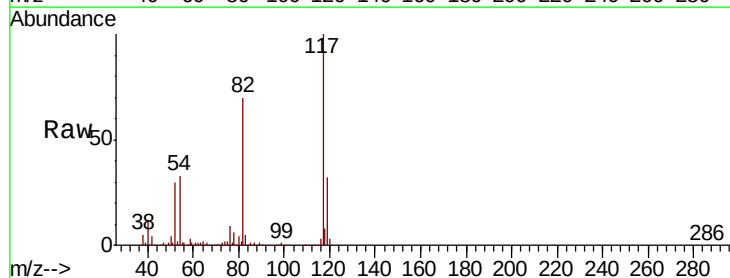
Tgt Ion: 117 Resp: 1731157

Ion Ratio Lower Upper

117 100

82 67.9 53.4 80.2

119 32.3 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

1000000

800000

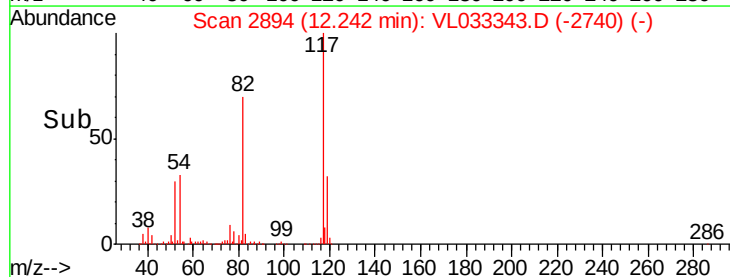
600000

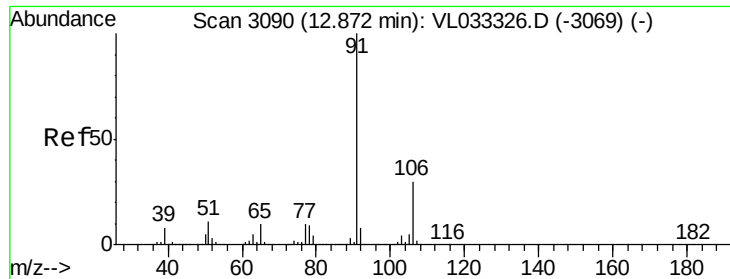
400000

200000

0

Time-->





#58

Ethyl Benzene

Concen: 0.218 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

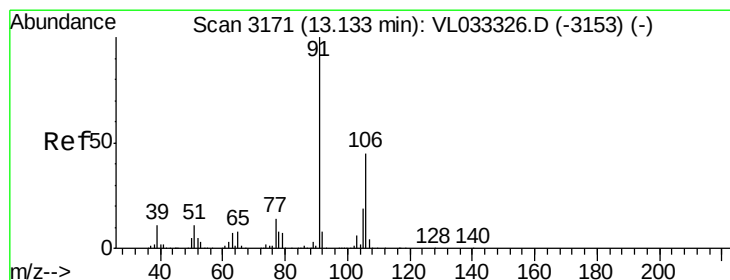
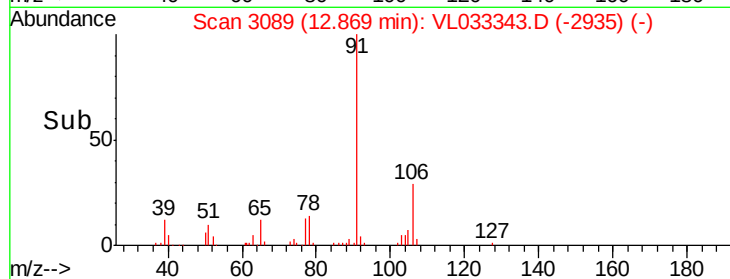
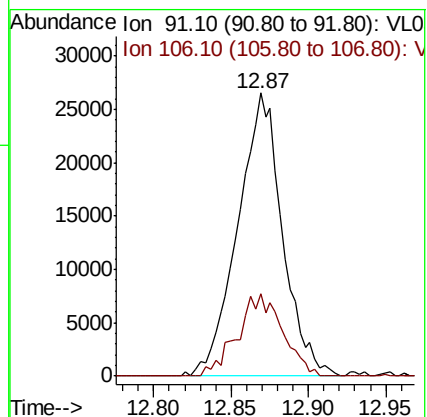
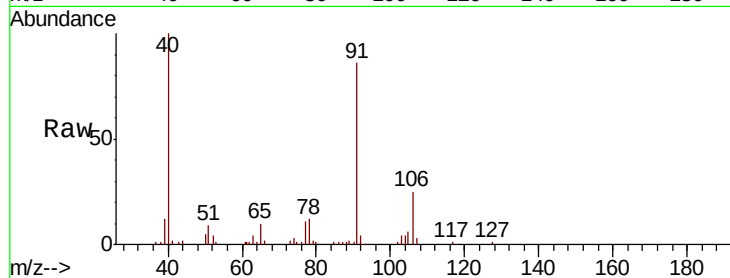
ClientSampleId :

Tot Ion: 91 Resp: 53273

Ion Ratio Lower Upper

91 100

106 29.1 24.2 36.2



#59

m/p-Xylene

Concen: 0.064 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VL033343.D

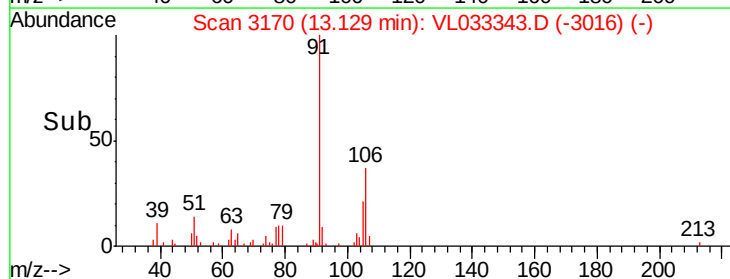
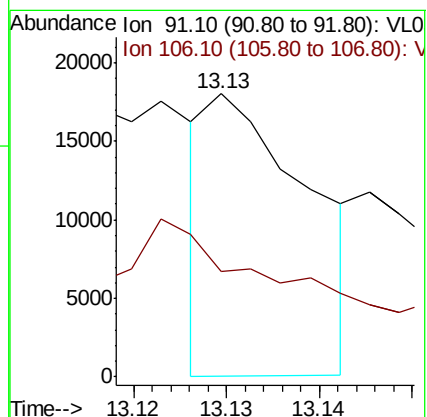
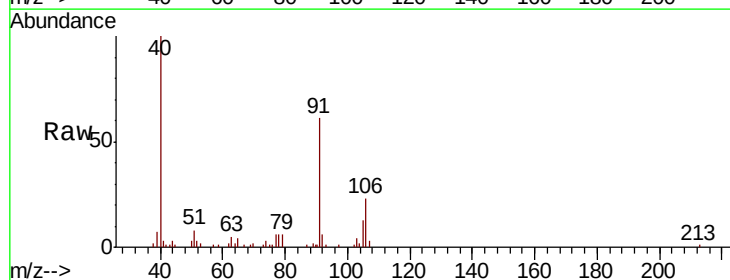
Acq: 15 Mar 2019 23:03

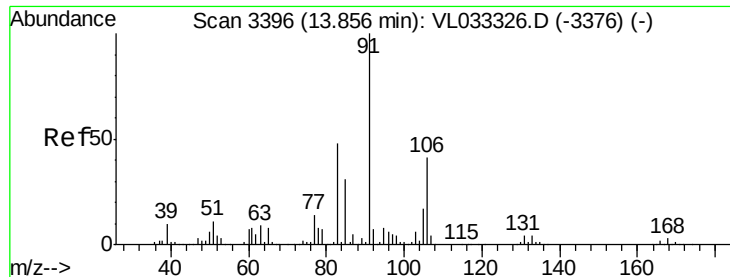
Tgt Ion: 91 Resp: 13513

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0

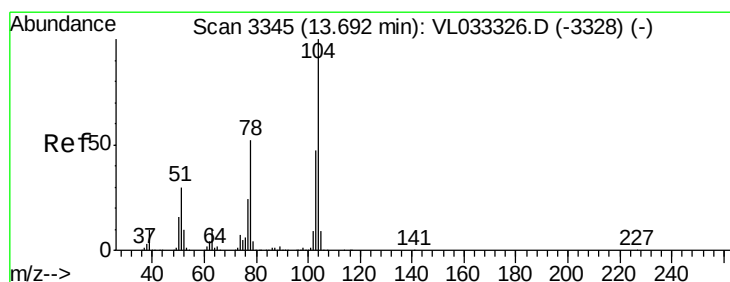
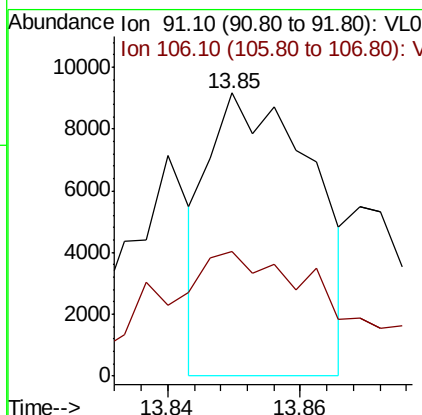
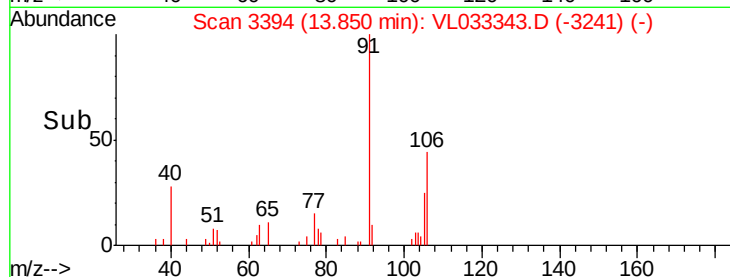
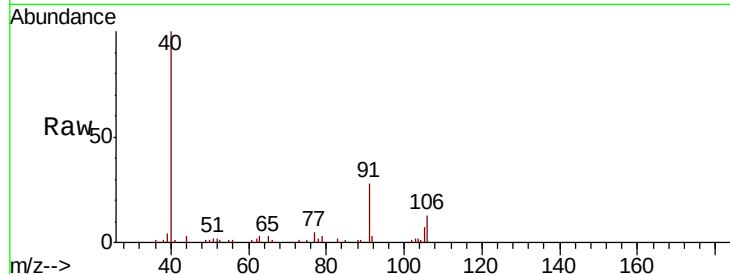




#60
o-Xylene
Concen: 0.049 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

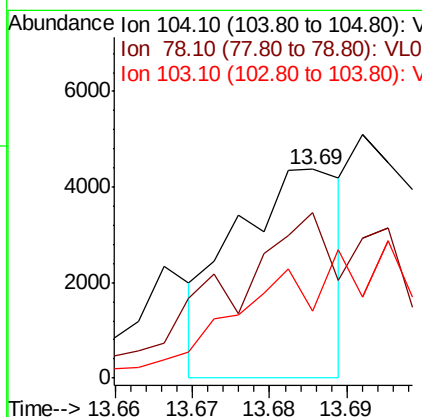
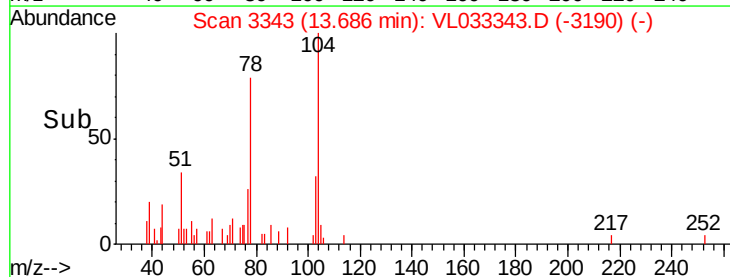
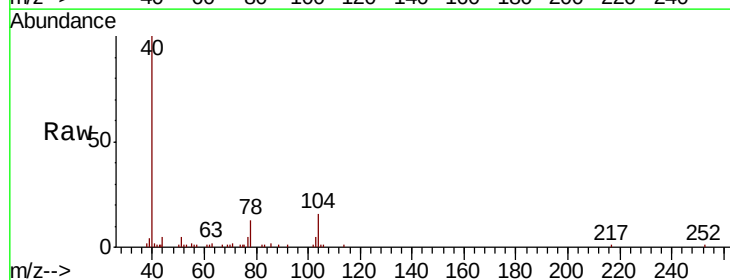
Instrument :
MSVOA_L
ClientSampleId :

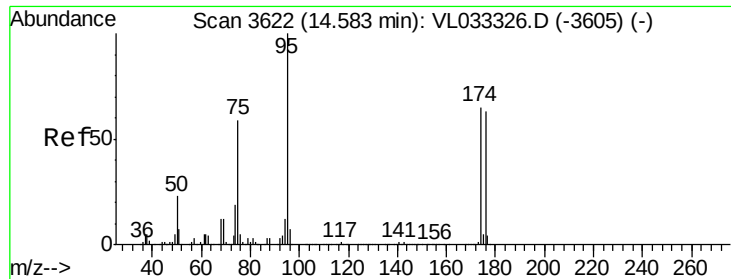
Tot Ion: 91 Resp: 9995
Ion Ratio Lower Upper
91 100
106 84.8 21.3 63.9#



#61
Styrene
Concen: 0.029 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033343.D
Acq: 15 Mar 2019 23:03

Tgt Ion: 104 Resp: 4214
Ion Ratio Lower Upper
104 100
78 167.5 42.7 64.1#
103 0.0 38.0 57.0#

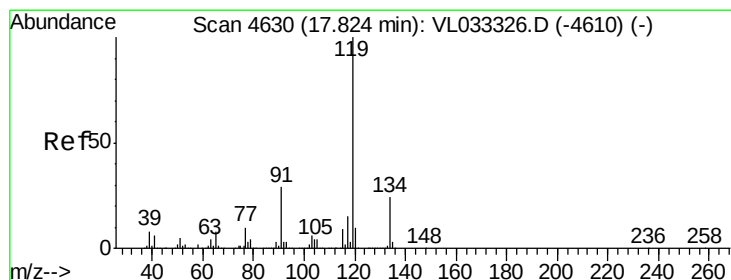
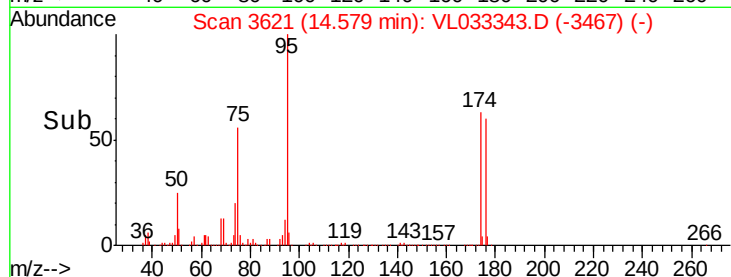
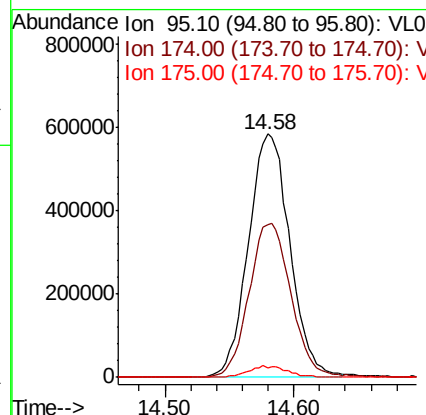
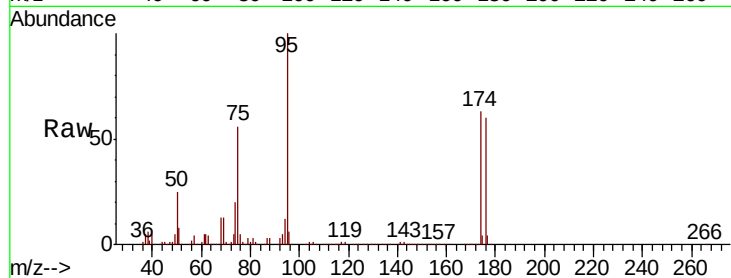




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.213 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

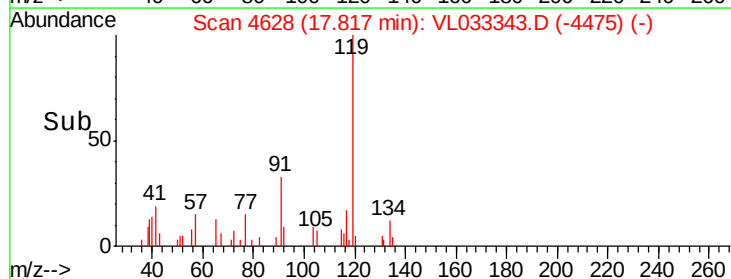
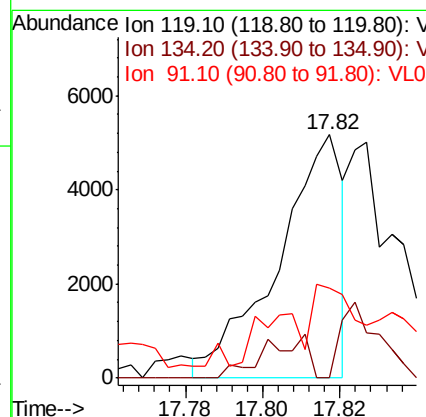
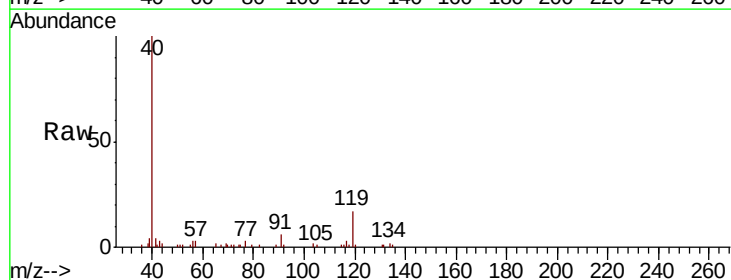
Instrument :
 MSVOA_L
 ClientSampleId :

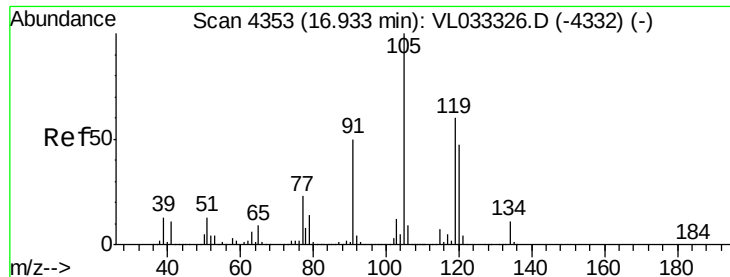
Tot Ion: 95 Resp: 1310135
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.5 77.3
 175 4.5 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.020 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.01 min
 Lab File: VL033343.D
 Acq: 15 Mar 2019 23:03

Tgt Ion: 119 Resp: 5996
 Ion Ratio Lower Upper
 119 100
 134 0.0 19.8 29.6#
 91 73.1 23.4 35.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.040 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033343.D

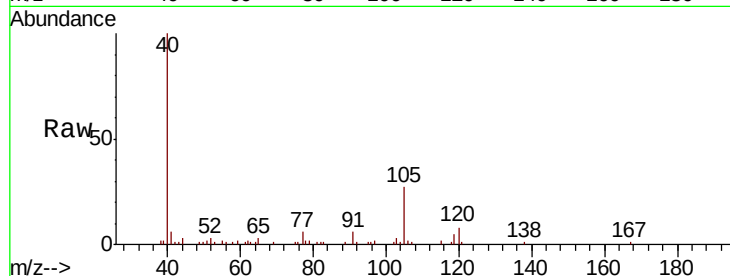
Acq: 15 Mar 2019 23:03

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	9706
Ion	Ratio	Lower	Upper
105	100		
120	21.5	37.4	56.2#
91	20.6	41.0	61.4#
77	19.6	18.5	27.7



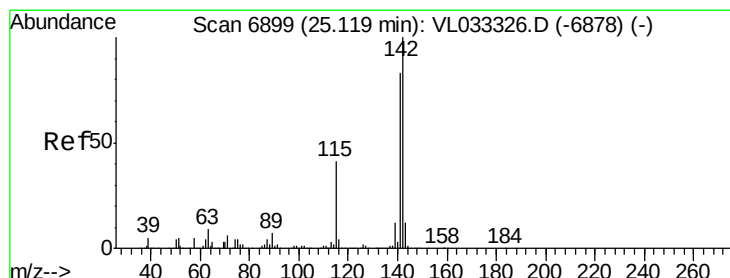
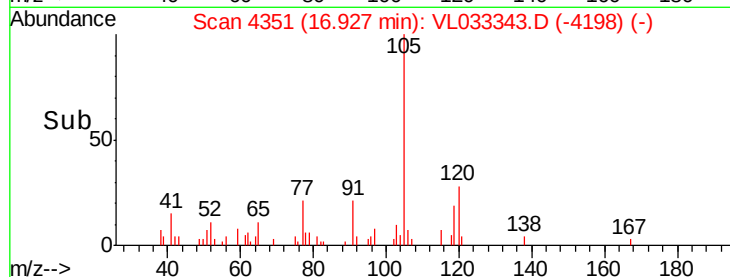
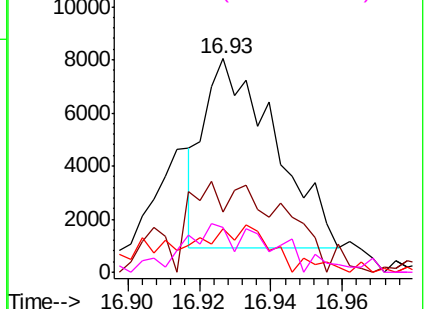
Abundance

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



#80

Naphthalene, 2-methyl-

Concen: 0.032 ppbv

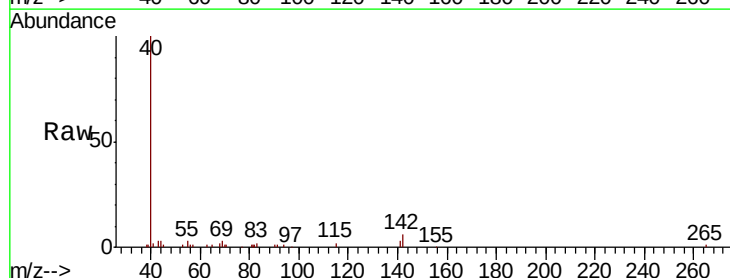
RT: 25.13 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL033343.D

Acq: 15 Mar 2019 23:03

Tgt Ion:	142	Resp:	3559
Ion	Ratio	Lower	Upper
142	100		
141	78.8	67.1	100.7
115	26.3	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

