

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033341.D
 Acq On : 15 Mar 2019 21:42
 Operator : SY/AP
 Sample : K1827-0DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:58:30 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

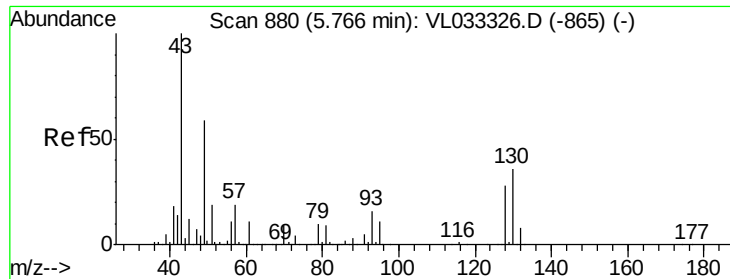
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	660055	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1509303	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1684880	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1279550	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	31785	0.274	ppbv	98
3) Chlorodifluoromethane	2.99	51	277280	3.660	ppbv #	76
4) Chloromethane	3.17	50	26964	0.657	ppbv	89
8) Dichlorotetrafluoroethane	3.22	85	3038	0.031	ppbv	95
9) Propene	3.24	41	252712	7.472	ppbv	96
10) Heptane	8.25	43	203004	2.420	ppbv	100
11) Trichlorofluoromethane	4.01	101	32801	0.284	ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.55	101	4278	0.056	ppbv #	46
13) Ethanol	3.66	45	2150953	133.414	ppbv	98
15) Acetone	3.90	43	1121145	10.927	ppbv	98
16) 1,3-Butadiene	3.34	39	3683	0.111	ppbv #	2
17) tert-Butyl alcohol	4.37	59	15293	1.059	ppbv #	74
19) Isopropyl Alcohol	4.04	45	747933	15.324	ppbv	100
20) Methylene Chloride	4.41	84	74772	2.234	ppbv	97
21) Allyl Chloride	4.41	41	1314	0.026	ppbv #	18
23) Vinyl Acetate	5.14	43	34222	0.288	ppbv #	40
25) Ethyl Acetate	5.77	43	325344	2.181	ppbv	98
26) Hexane	5.78	57	162337	2.435	ppbv	90
29) Chloroform	5.84	83	2566	0.024	ppbv #	82
30) Cyclohexane	7.24	84	4179	0.078	ppbv #	1
31) cis-1,2-Dichloroethene	5.77	61	26947	0.404	ppbv #	28
34) 2-Butanone	5.34	43	88362	0.891	ppbv	99
35) Carbon Tetrachloride	7.14	117	3971	0.037	ppbv #	62
36) Benzene	7.00	78	37964	0.281	ppbv	99
37) 1,2-Dichloroethane	6.42	62	2415	0.028	ppbv #	95
39) 1,2-Dichloropropane	7.29	63	407745	8.061	ppbv #	23
43) Methyl Methacrylate	8.15	69	6191	0.118	ppbv #	1
44) 2,2,4-Trimethylpentane	8.00	57	20672	0.092	ppbv #	1
50) 4-Methyl-2-Pentanone	8.88	43	107973	0.771	ppbv	98
52) Tetrachloroethene	11.37	164	1178	0.021	ppbv #	24
53) Toluene	9.95	91	3224155	21.007	ppbv	100
58) Ethyl Benzene	12.87	91	38421	0.161	ppbv	96
59) m/p-Xylene	13.13	91	26312	0.128	ppbv #	100
60) o-Xylene	13.85	91	6513	0.033	ppbv #	1
61) Styrene	13.69	104	4836	0.035	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.16	105	6499	0.029	ppbv #	40
74) 1,2,4-Trimethylbenzene	16.93	105	28314	0.121	ppbv #	72
80) Naphthalene,2-methyl-	25.12	142	2219	0.021	ppbv	86

(#) = 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

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MSVOA_L

ClientSampleId :

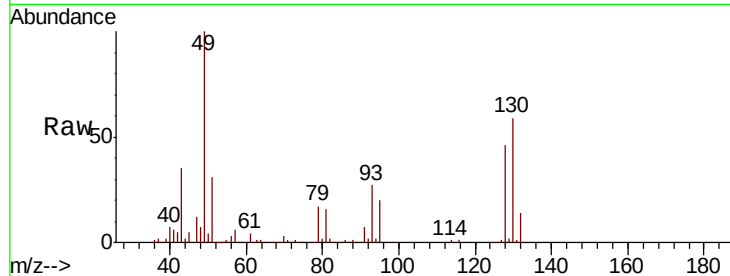
Tot Ion: 49 Resp: 660055

Ion Ratio Lower Upper

49 100

128 45.8 23.5 70.6

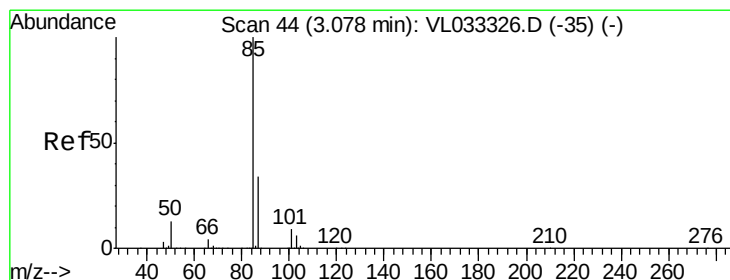
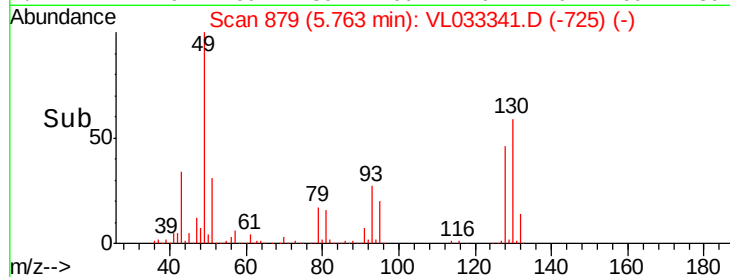
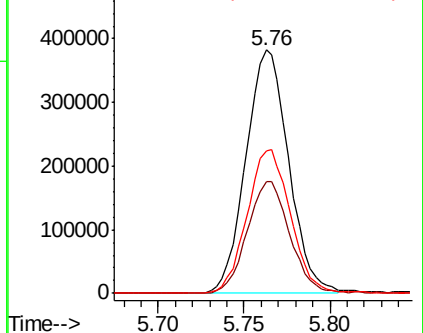
130 60.1 30.1 90.3



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: 0.274 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033341.D

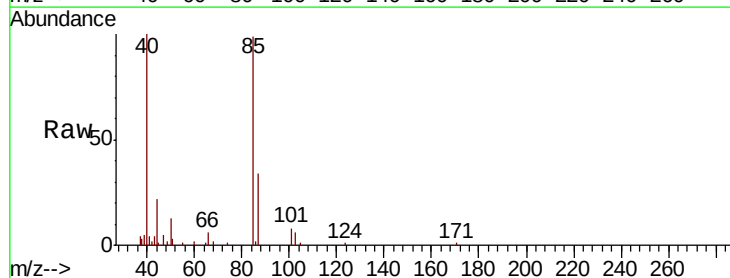
Acq: 15 Mar 2019 21:42

Tgt Ion: 85 Resp: 31785

Ion Ratio Lower Upper

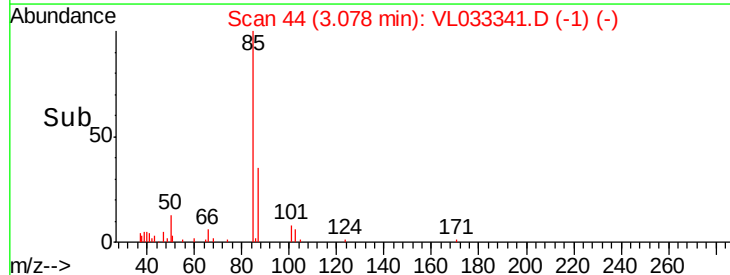
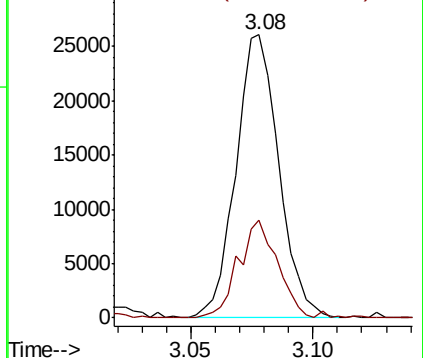
85 100

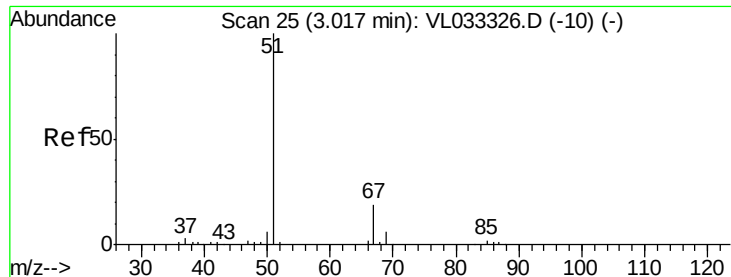
87 34.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.660 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.03 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

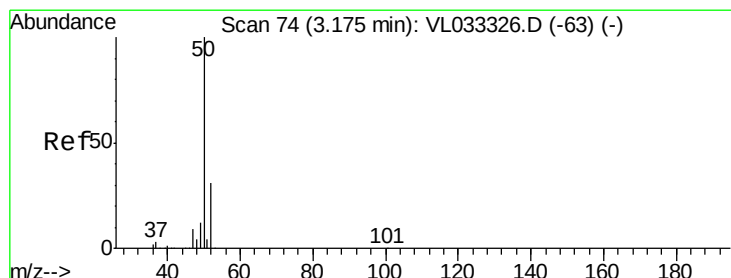
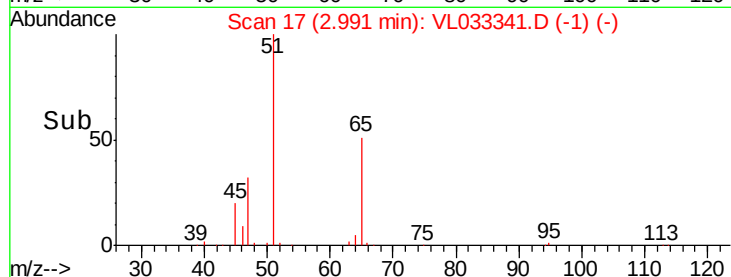
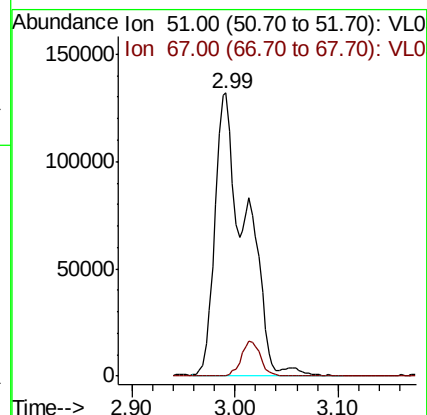
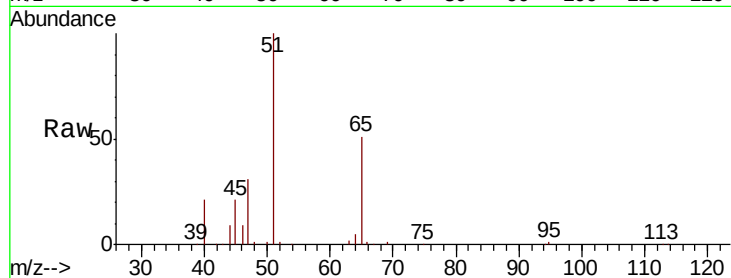
ClientSampleId :

Tot Ion: 51 Resp: 277280

Ion Ratio Lower Upper

51 100

67 7.7 14.9 22.3#



#4

Chloromethane

Concen: 0.657 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL033341.D

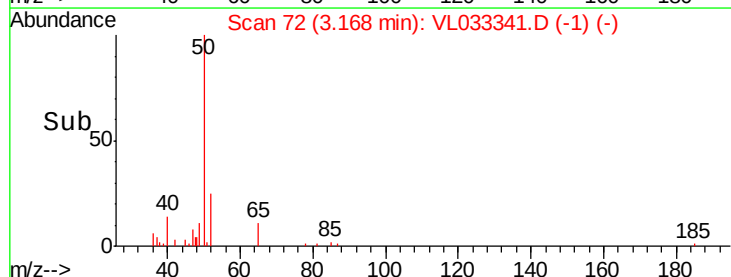
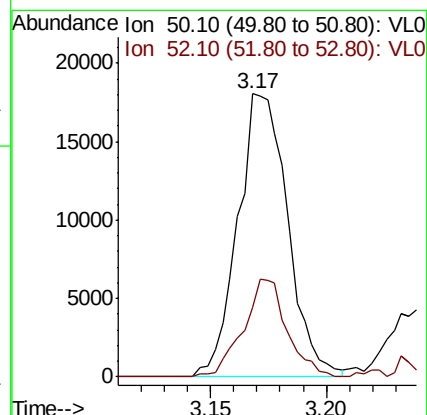
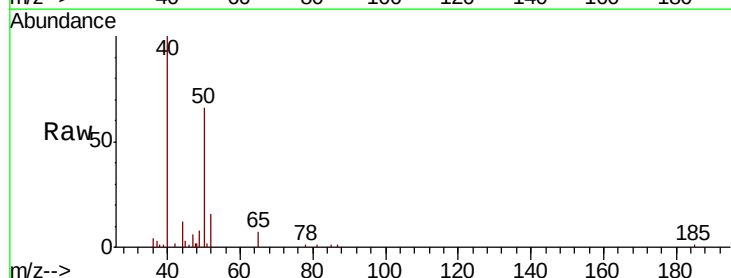
Acq: 15 Mar 2019 21:42

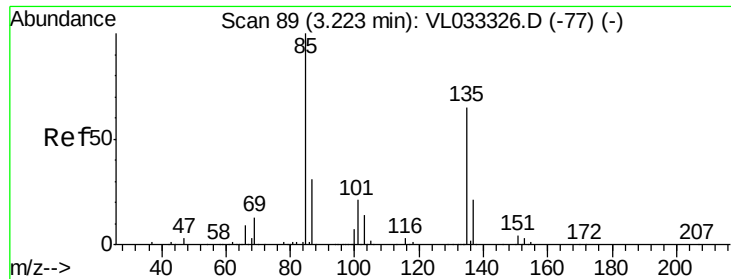
Tgt Ion: 50 Resp: 26964

Ion Ratio Lower Upper

50 100

52 25.2 25.0 37.6





#8

Dichlorotetrafluoroethane

Concen: 0.031 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

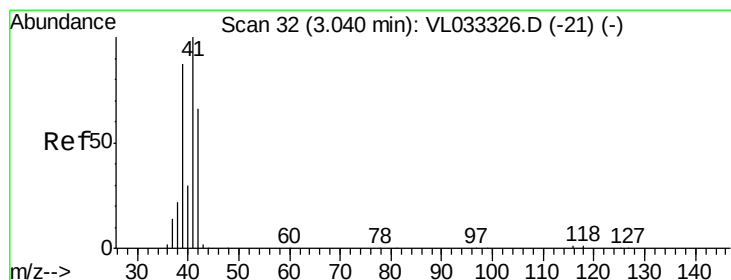
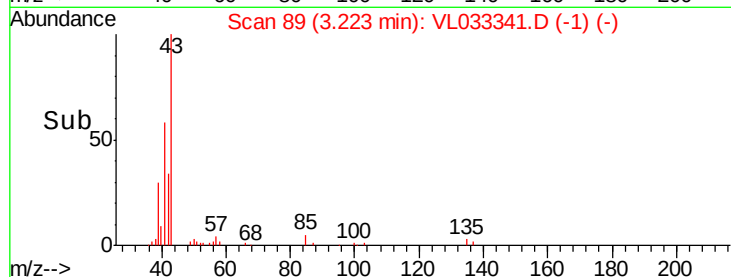
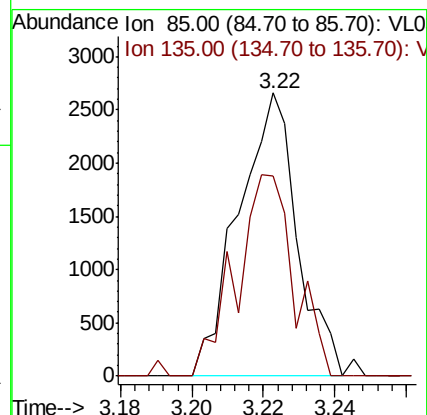
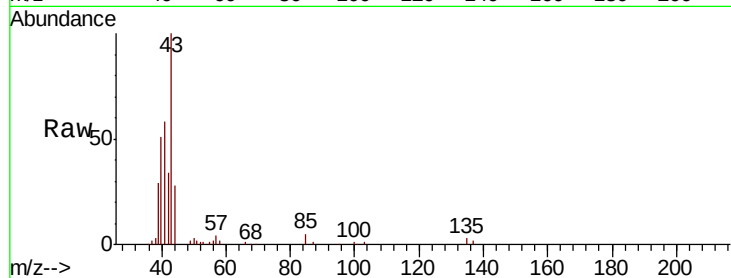
ClientSampled :

Tot Ion: 85 Resp: 3038

Ion Ratio Lower Upper

85 100

135 70.7 53.4 80.2



#9

Propene

Concen: 7.472 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL033341.D

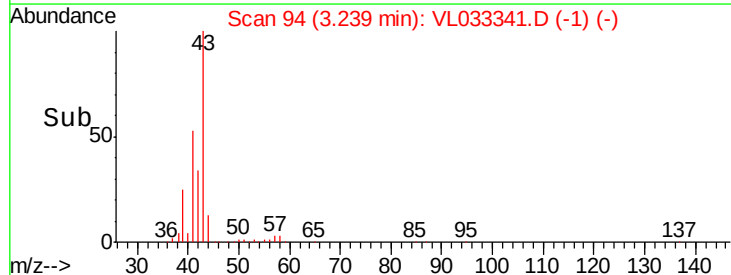
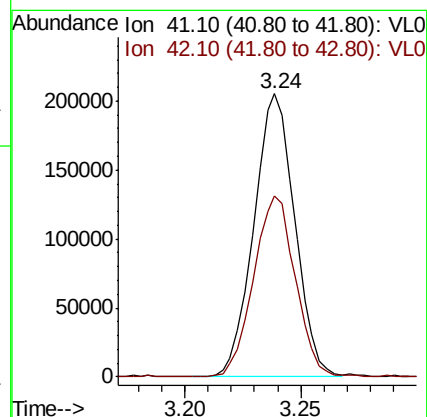
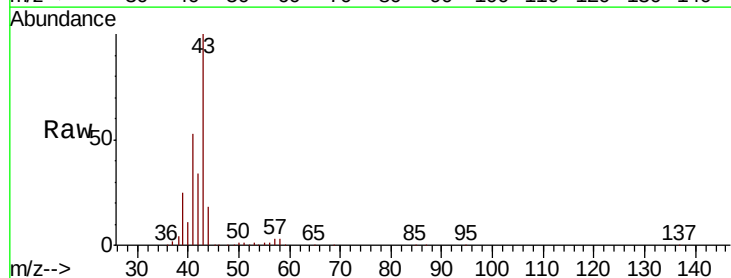
Acq: 15 Mar 2019 21:42

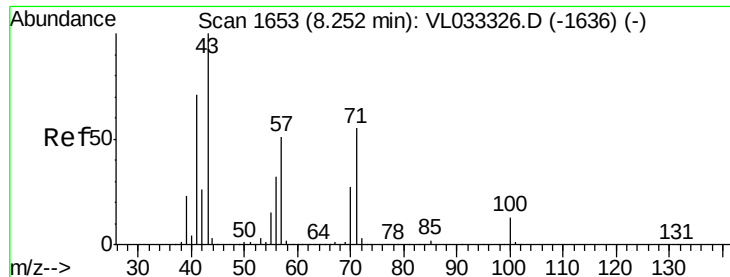
Tgt Ion: 41 Resp: 252712

Ion Ratio Lower Upper

41 100

42 65.7 55.2 82.8





#10

Heptane

Concen: 2.420 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

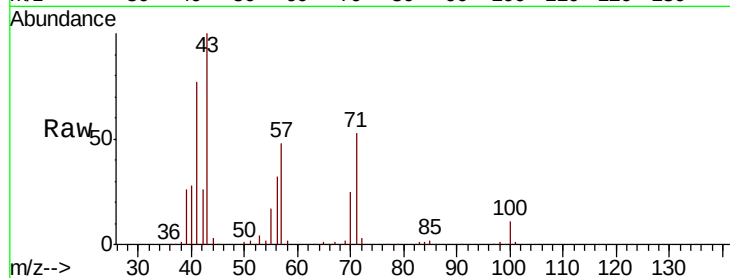
ClientSampleId :

Tot Ion: 43 Resp: 203004

Ion Ratio Lower Upper

43 100

57 50.3 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.25

120000

100000

80000

60000

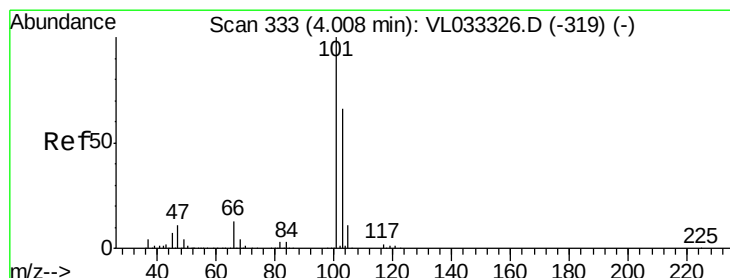
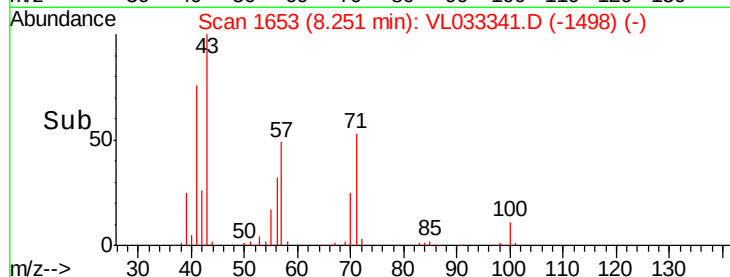
40000

20000

0

Time-->

8.20 8.25 8.30



#11

Trichlorofluoromethane

Concen: 0.284 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL033341.D

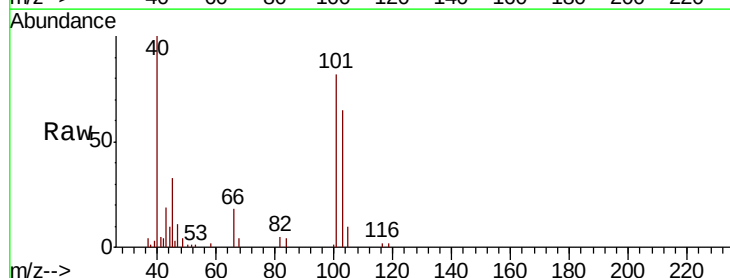
Acq: 15 Mar 2019 21:42

Tgt Ion: 101 Resp: 32801

Ion Ratio Lower Upper

101 100

103 80.1 52.9 79.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

25000

20000

15000

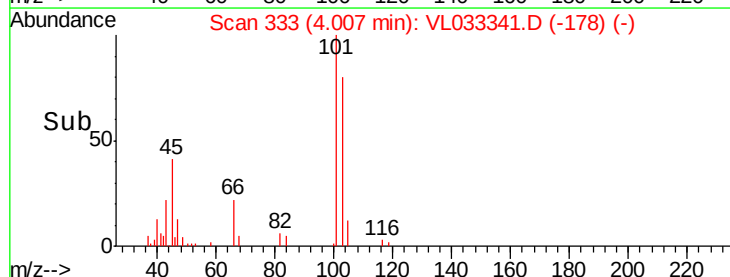
10000

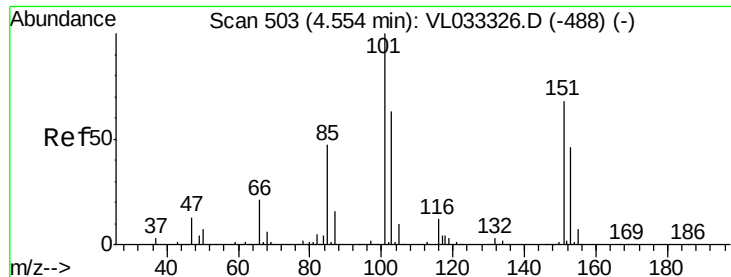
5000

0

Time-->

3.95 4.00 4.05





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.056 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

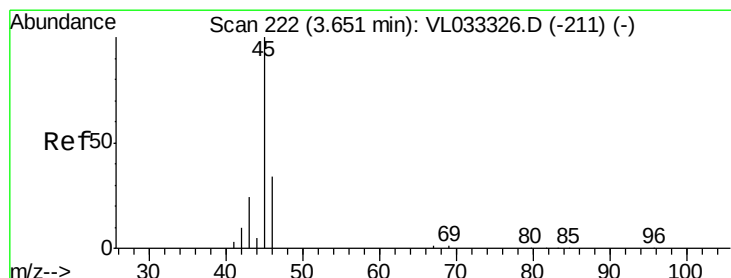
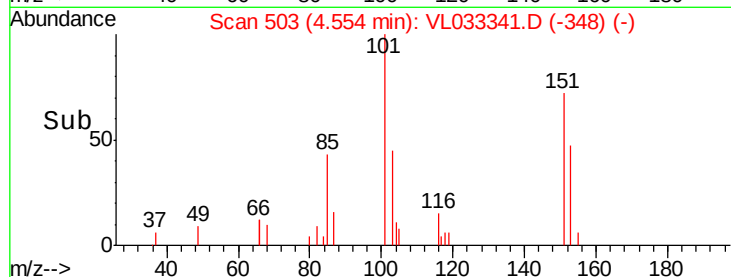
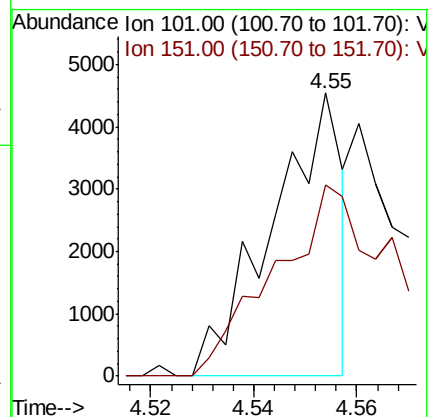
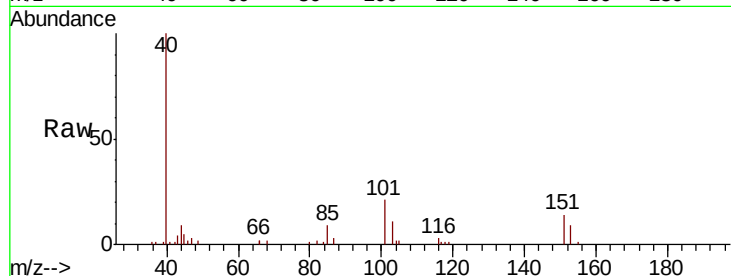
ClientSampled :

Tot Ion:101 Resp: 4278

Ion Ratio Lower Upper

101 100

151 115.0 56.3 84.5#



#13

Ethanol

Concen: 133.414 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033341.D

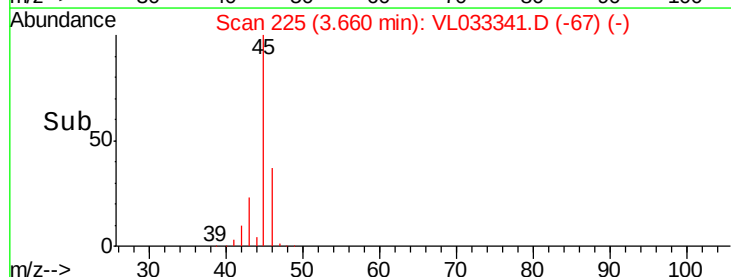
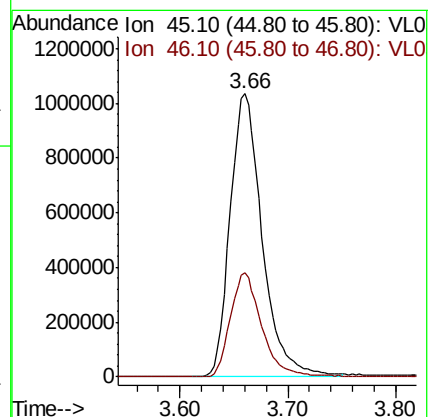
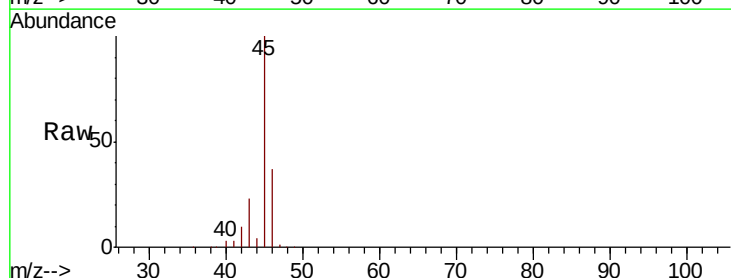
Acq: 15 Mar 2019 21:42

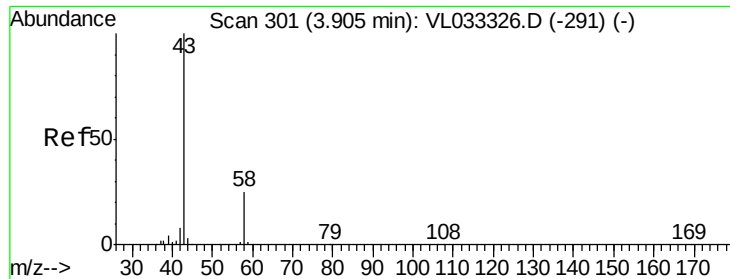
Tgt Ion: 45 Resp: 2150953

Ion Ratio Lower Upper

45 100

46 36.2 14.9 59.7





#15

Acetone

Concen: 10.927 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

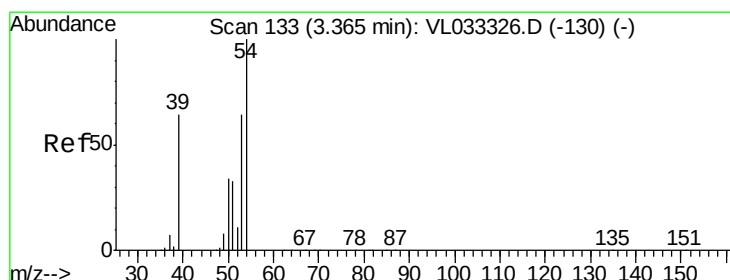
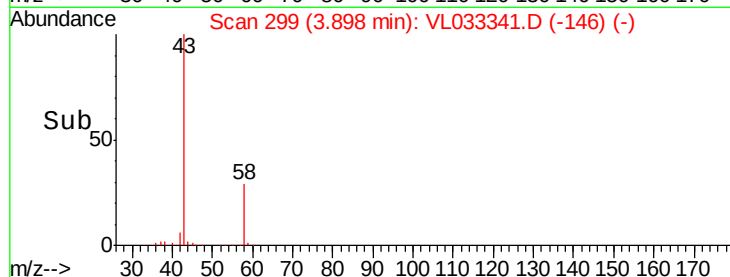
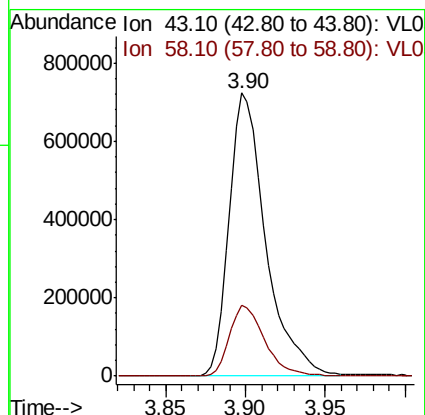
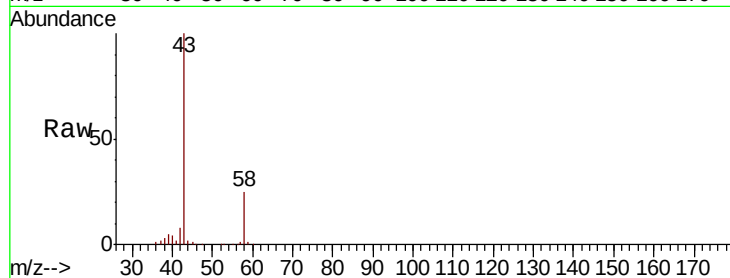
ClientSampleId :

Tot Ion: 43 Resp: 1121145

Ion Ratio Lower Upper

43 100

58 24.4 20.4 30.6



#16

1,3-Butadiene

Concen: 0.111 ppbv

RT: 3.34 min Scan# 127

Delta R.T. -0.02 min

Lab File: VL033341.D

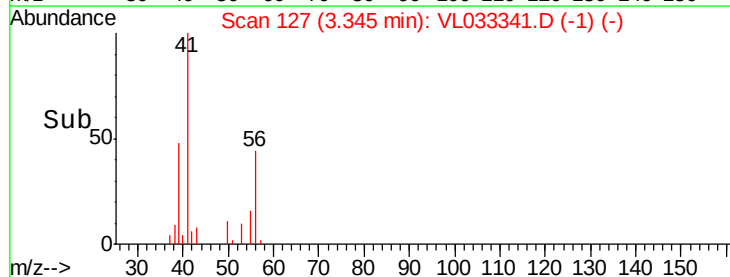
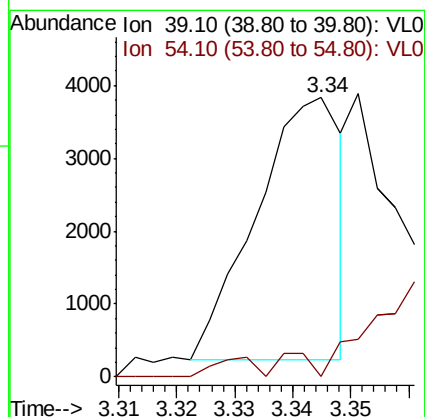
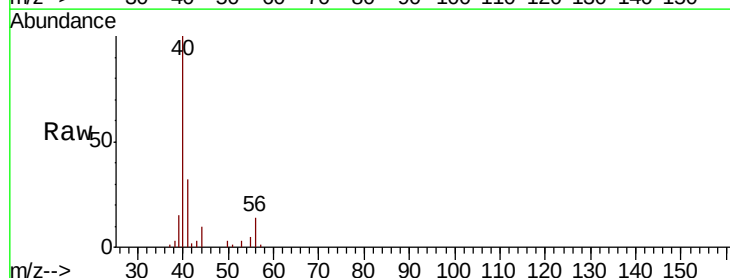
Acq: 15 Mar 2019 21:42

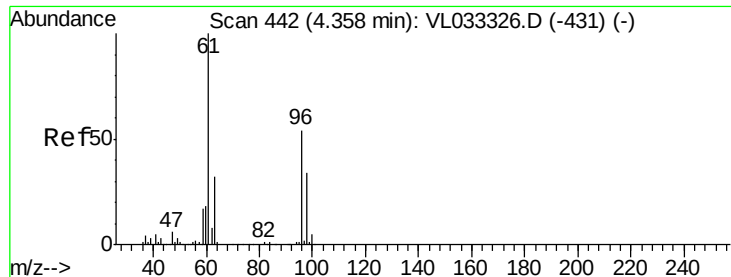
Tgt Ion: 39 Resp: 3683

Ion Ratio Lower Upper

39 100

54 0.0 76.8 115.2#



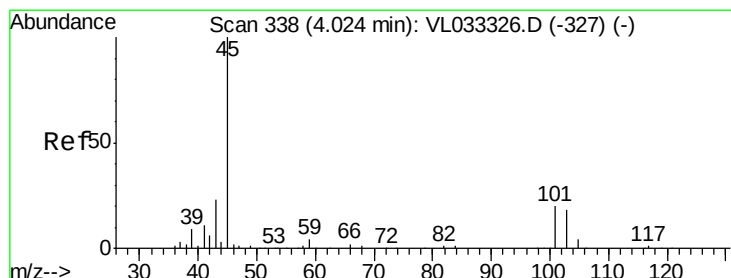
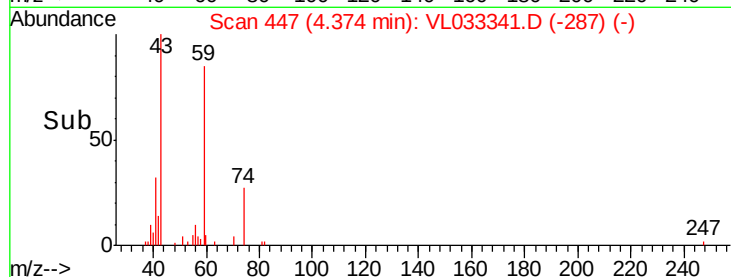
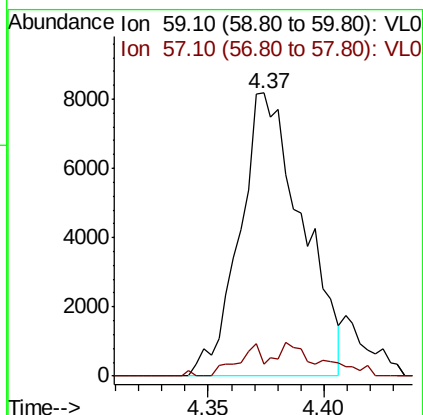
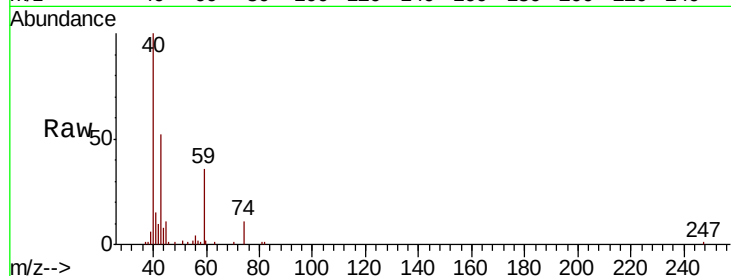


#17

tert-Butyl alcohol
 Concen: 1.059 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.02 min
 Lab File: VL033341.D
 Acq: 15 Mar 2019 21:42

Instrument :
 MSVOA_L
 ClientSampleId :

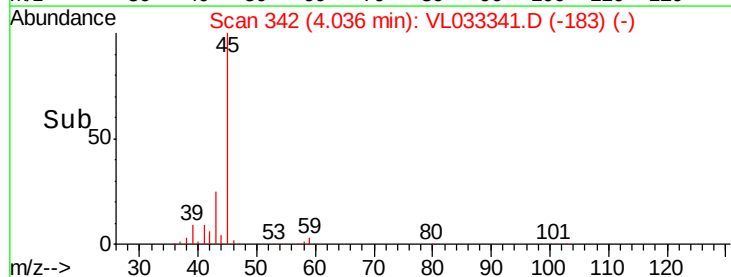
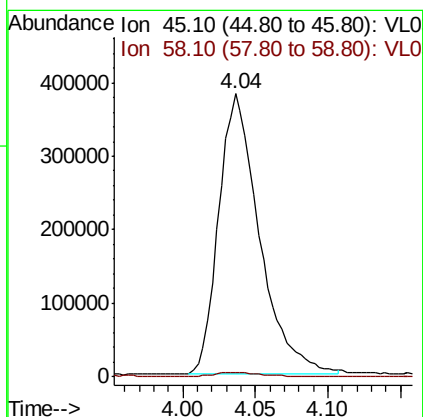
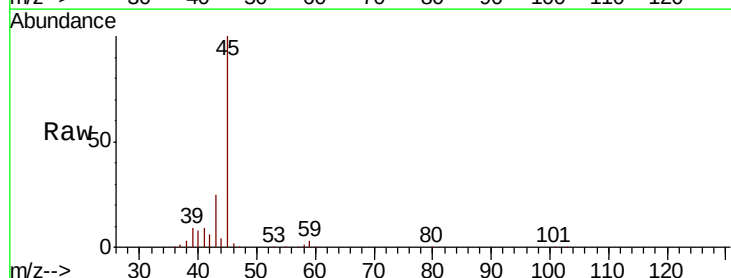
Tot Ion: 59 Resp: 15293
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

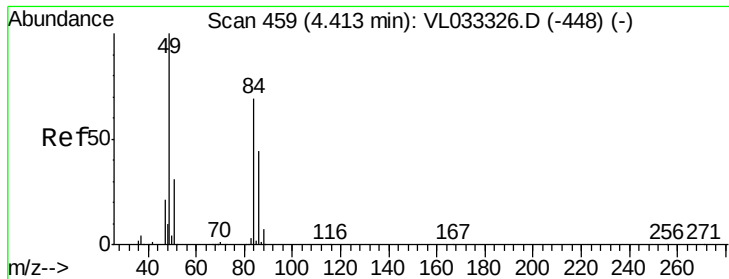


#19

Isopropyl Alcohol
 Concen: 15.324 ppbv
 RT: 4.04 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VL033341.D
 Acq: 15 Mar 2019 21:42

Tgt Ion: 45 Resp: 747933
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.5 2.3

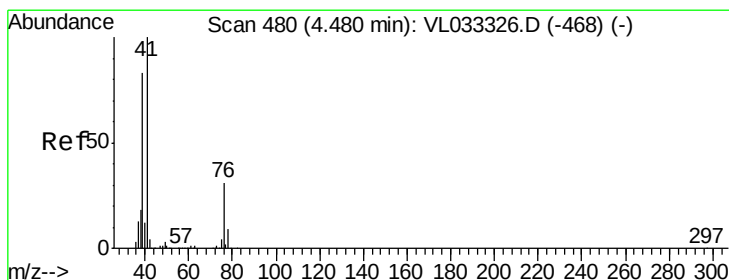
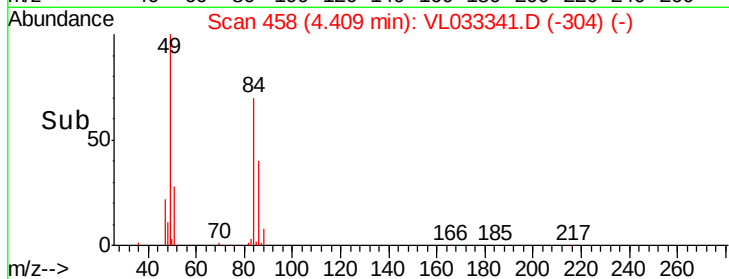
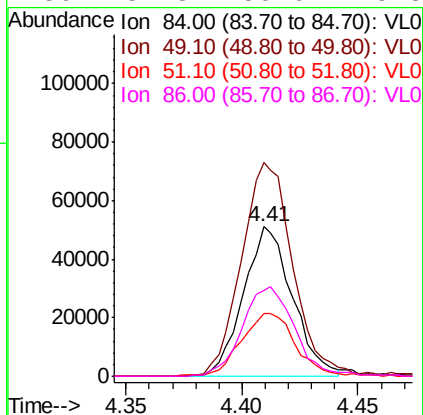
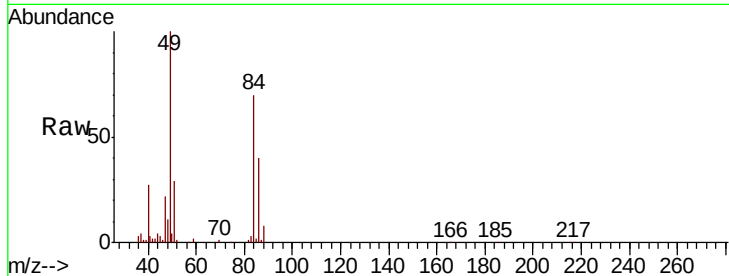




#20
Methvlene Chloride
Concen: 2.234 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

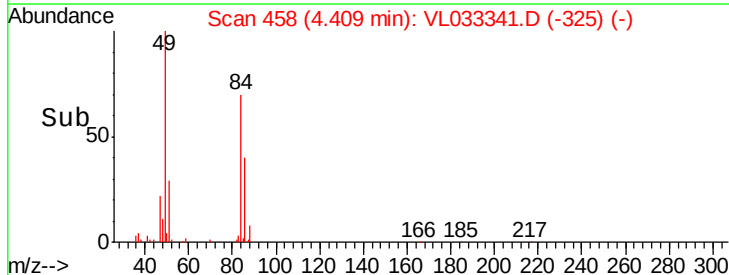
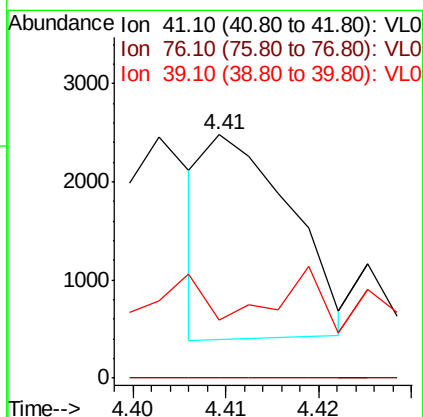
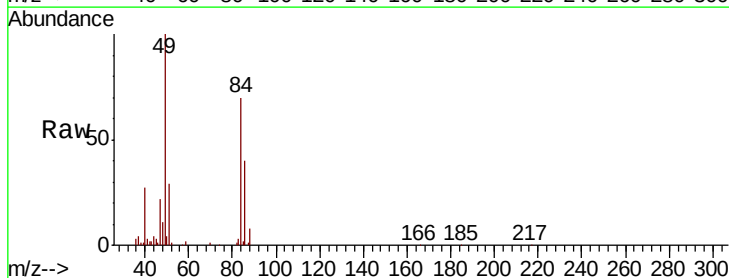
Instrument :
MSVOA_L
ClientSampleId :

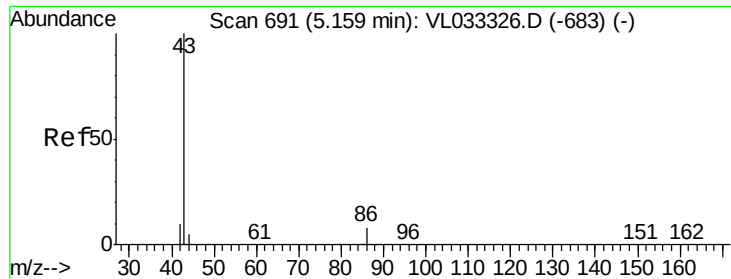
Tot Ion:	84	Resp:	74772
Ion	Ratio	Lower	Upper
84	100		
49	142.4	115.4	173.0
51	41.5	35.8	53.6
86	57.8	50.6	75.8



#21
Allyl Chloride
Concen: 0.026 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.07 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

Tgt Ion:	41	Resp:	1314
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	0.0	65.9	98.9#





#23

Vinyl Acetate

Concen: 0.288 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

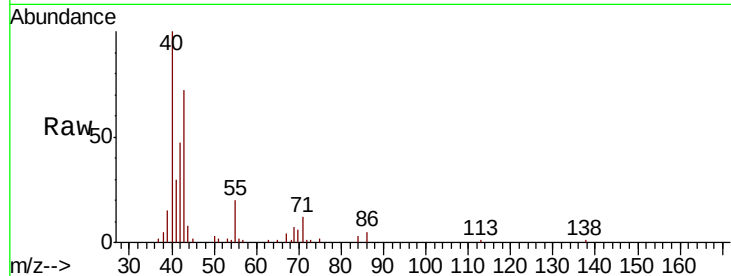
MSVOA_L

ClientSampled :

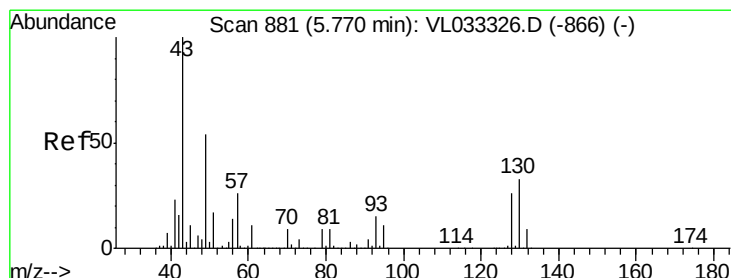
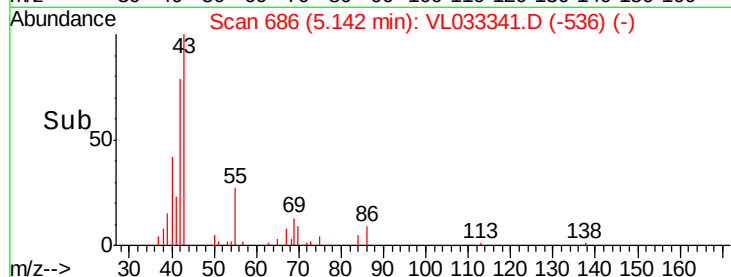
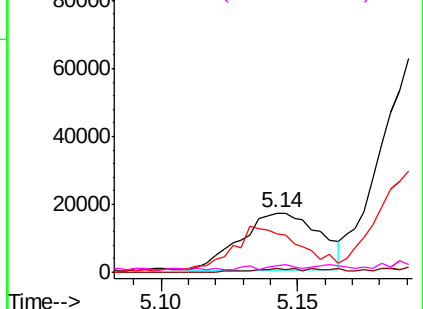
Tot Ion: 43 Resp: 34222

Ion Ratio Lower Upper

43	100		
86	6.8	6.2	9.2
42	59.6	8.1	12.1#
44	6.0	4.1	6.1



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: 2.181 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

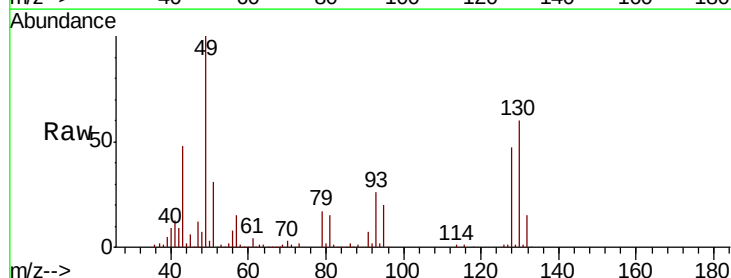
Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

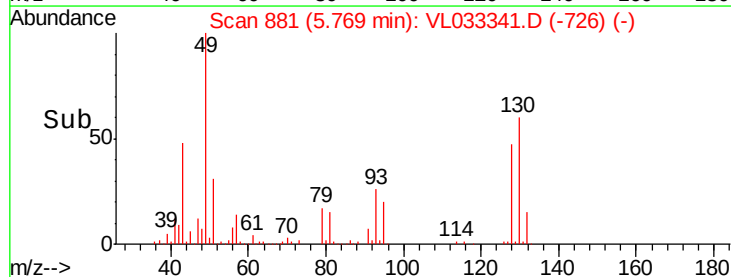
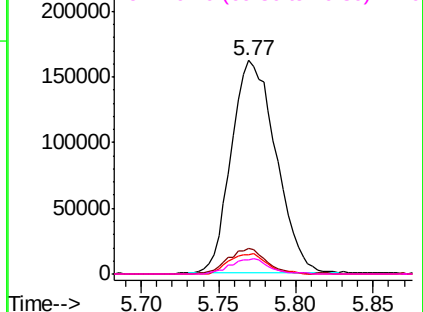
Tgt Ion: 43 Resp: 325344

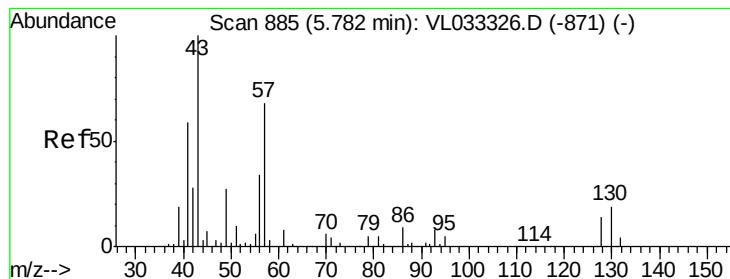
Ion Ratio Lower Upper

43	100		
45	10.5	7.9	11.9
61	8.5	7.4	11.2
70	6.2	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: 2.435 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 162337

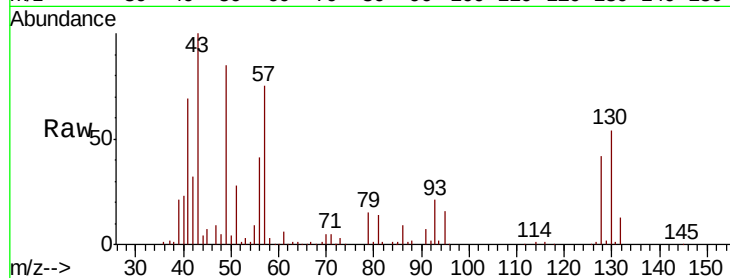
Ion Ratio Lower Upper

57 100

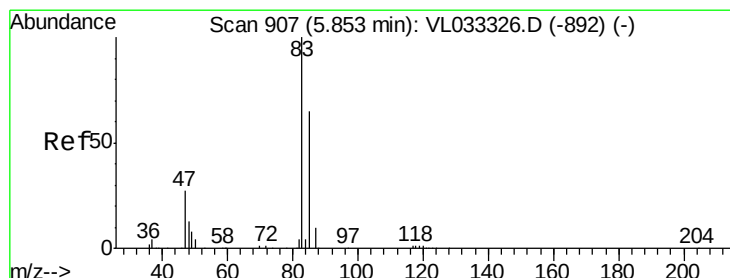
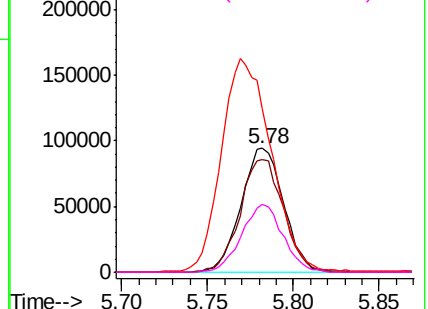
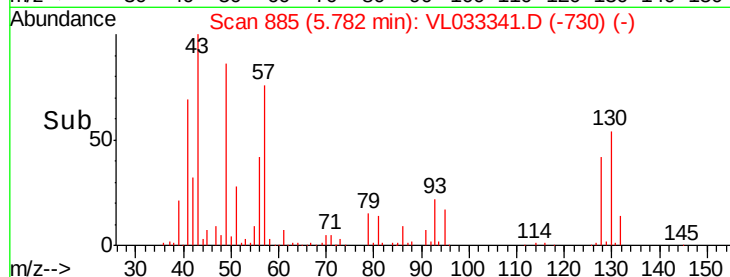
41 92.5 70.5 105.7

43 204.4 181.8 272.8

56 53.2 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



#29

Chloroform

Concen: 0.024 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033341.D

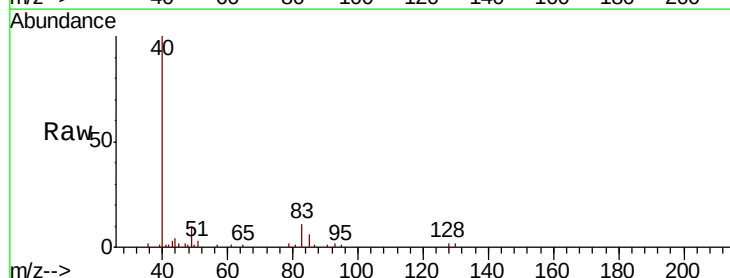
Acq: 15 Mar 2019 21:42

Tgt Ion: 83 Resp: 2566

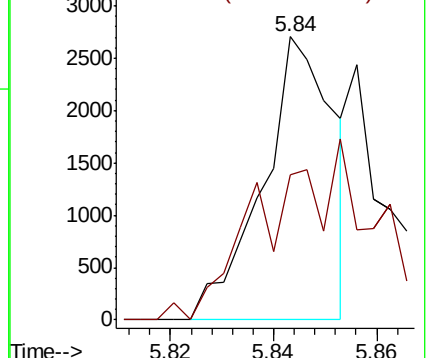
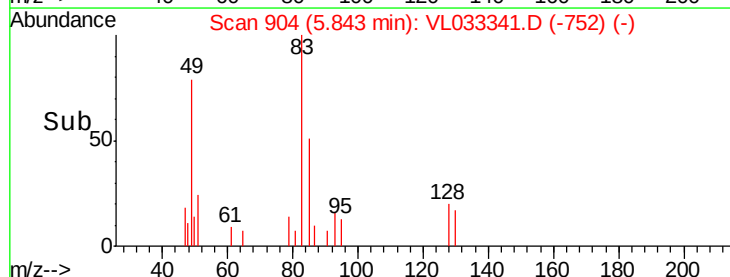
Ion Ratio Lower Upper

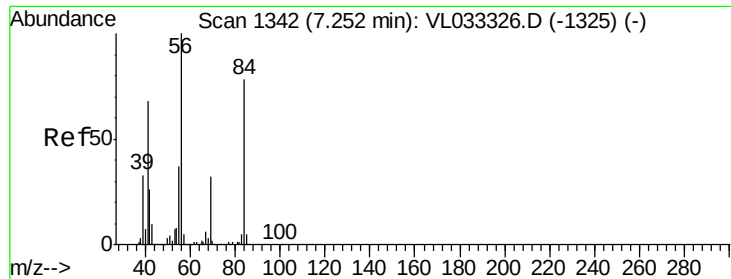
83 100

85 51.1 52.0 78.0#



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

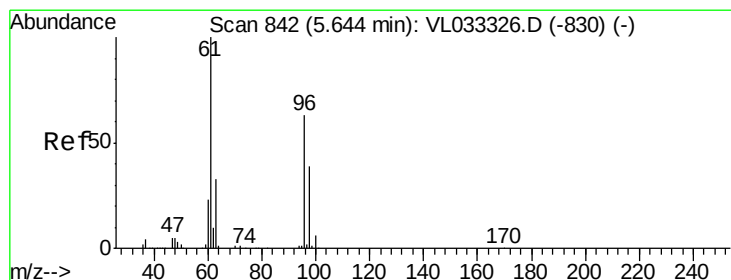
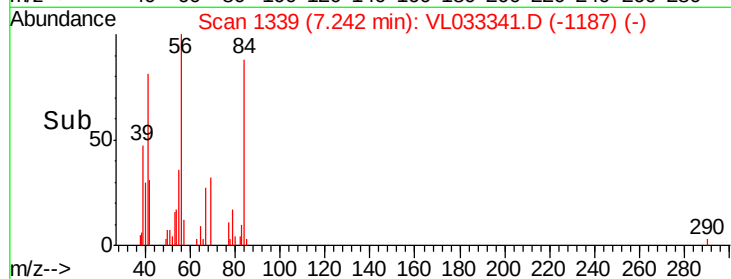
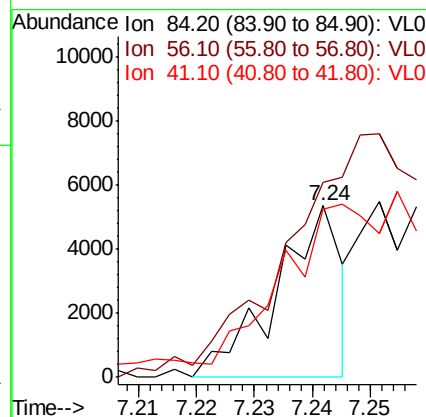
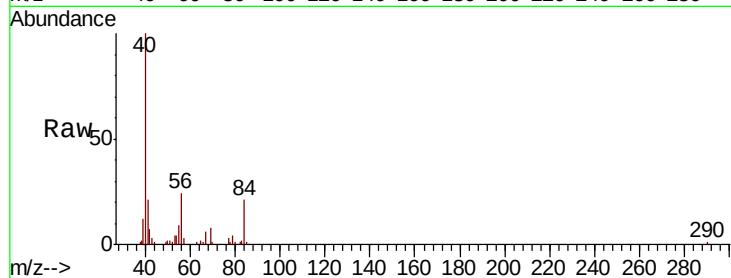




#30
Cvclohexane
Concen: 0.078 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

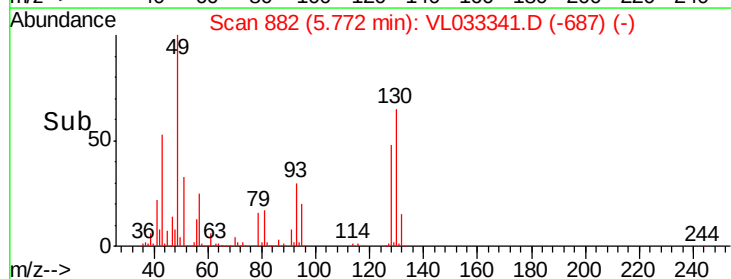
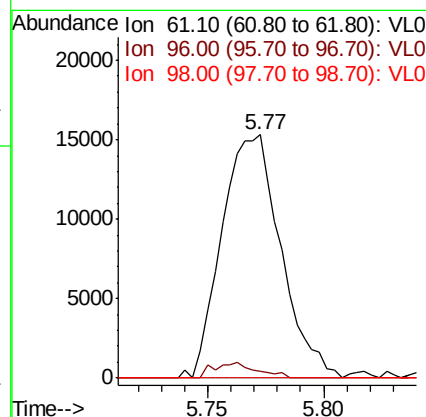
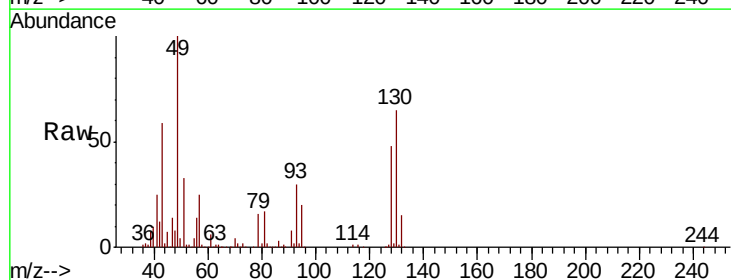
Instrument :
MSVOA_L
ClientSampleId :

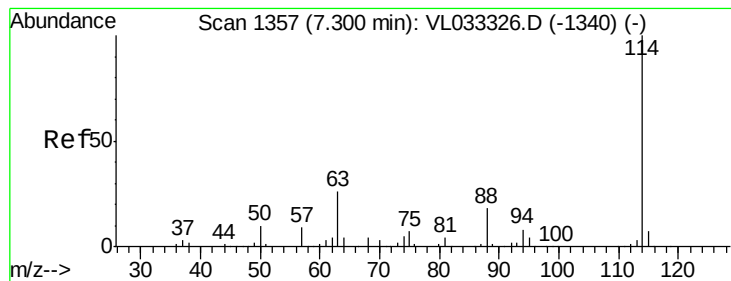
Tot Ion: 84 Resp: 4179
Ion Ratio Lower Upper
84 100
56 0.0 111.3 166.9#
41 0.0 69.6 104.4#



#31
cis-1,2-Dichloroethene
Concen: 0.404 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.13 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

Tgt Ion: 61 Resp: 26947
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: 7.30 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

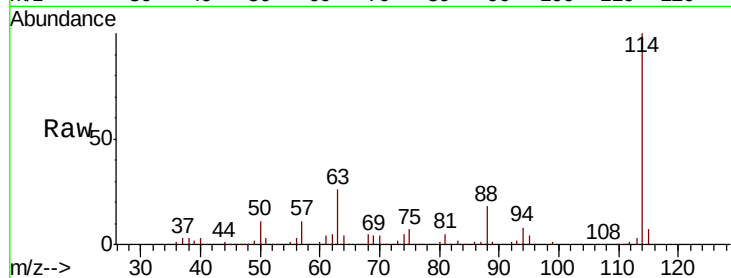
Tot Ion:114 Resp: 1509303

Ion Ratio Lower Upper

114 100

63 27.3 21.4 32.2

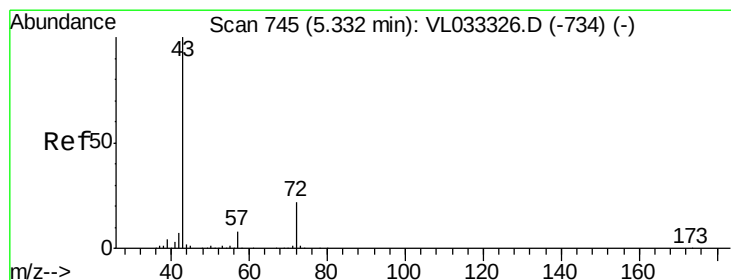
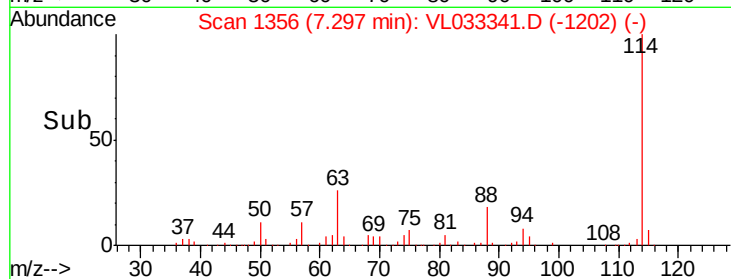
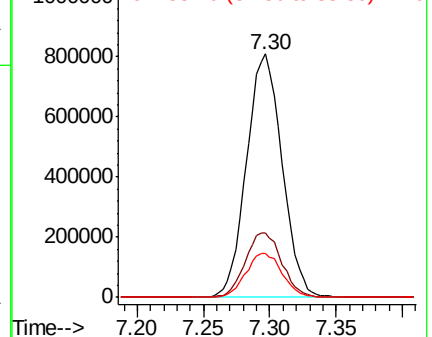
88 18.5 14.5 21.7



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: 0.891 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.00 min

Lab File: VL033341.D

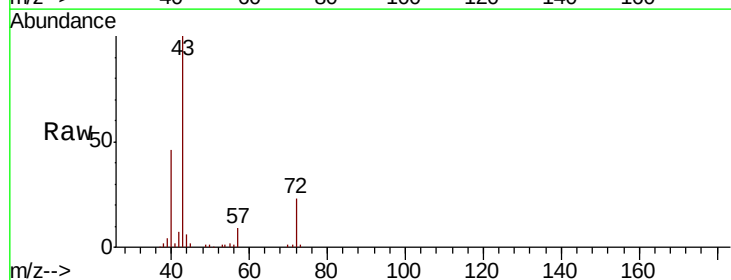
Acq: 15 Mar 2019 21:42

Tgt Ion: 43 Resp: 88362

Ion Ratio Lower Upper

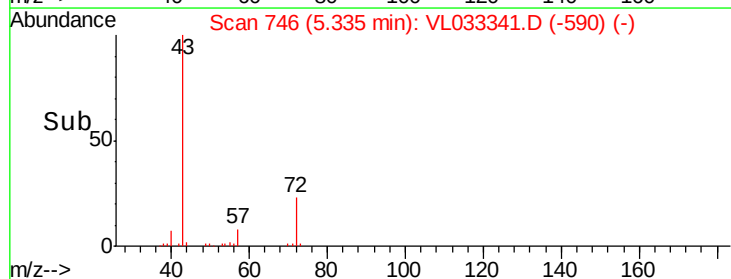
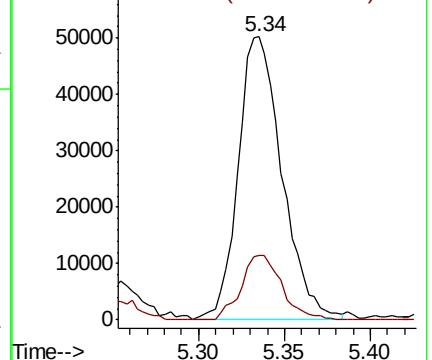
43 100

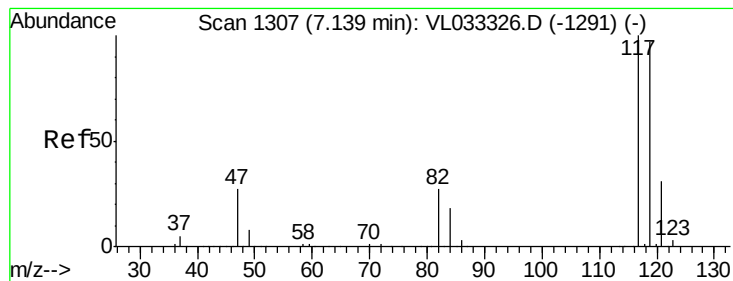
72 21.6 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.037 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

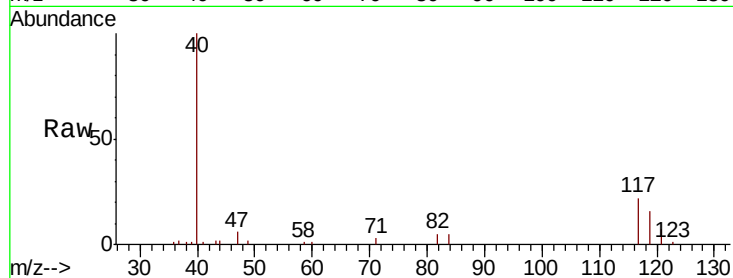
Tot Ion:117 Resp: 3971

Ion Ratio Lower Upper

117 100

119 55.4 77.4 116.0#

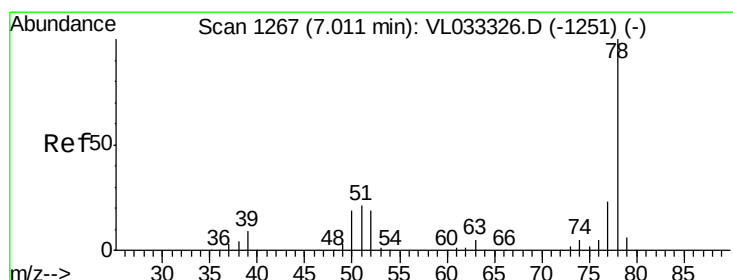
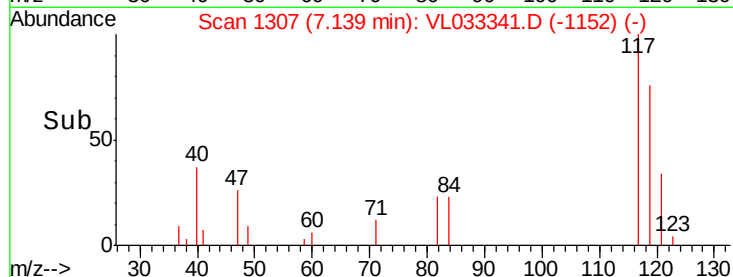
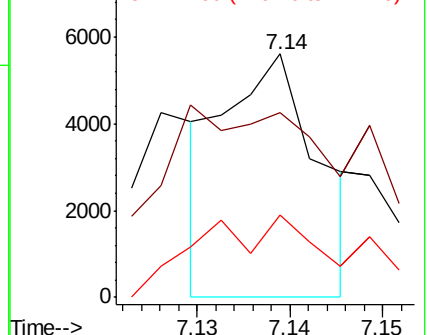
121 44.2 24.9 37.3#



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: 0.281 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

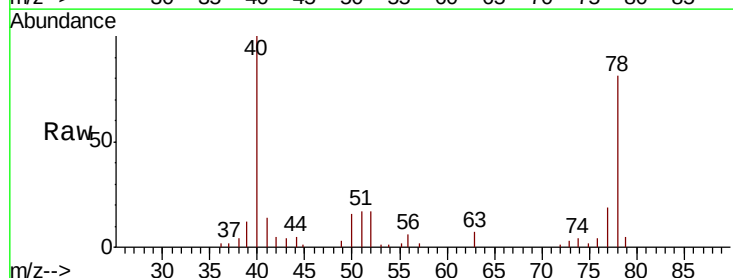
Tgt Ion: 78 Resp: 37964

Ion Ratio Lower Upper

78 100

77 22.4 18.1 27.1

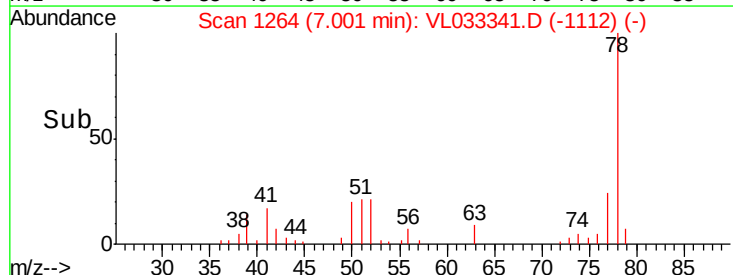
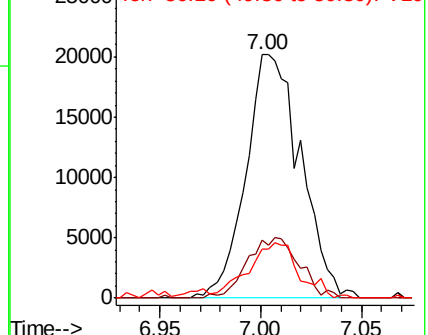
50 17.8 15.2 22.8

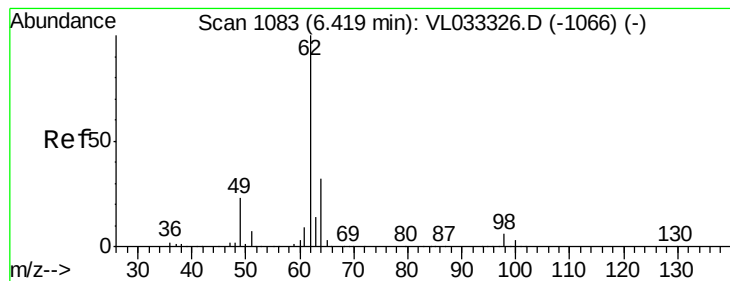


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.028 ppbv

RT: 6.42 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

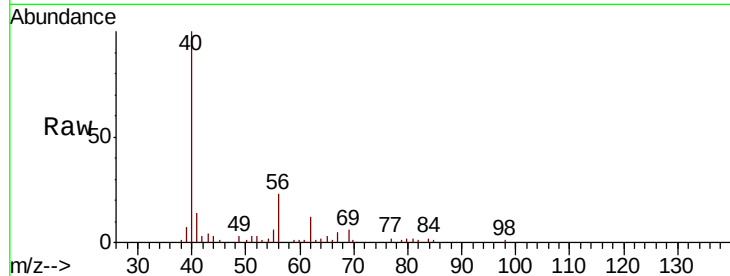
ClientSampleId :

Tot Ion: 62 Resp: 2415

Ion Ratio Lower Upper

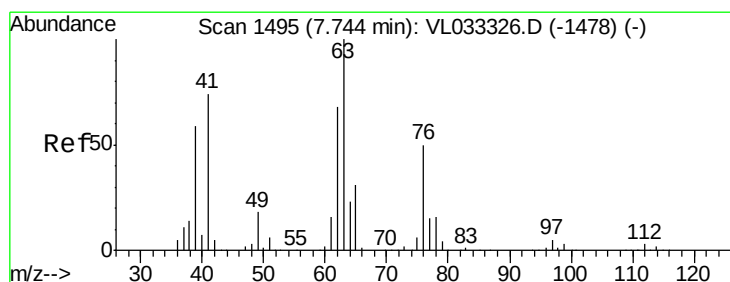
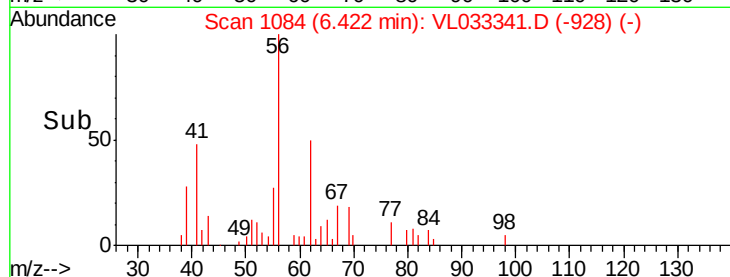
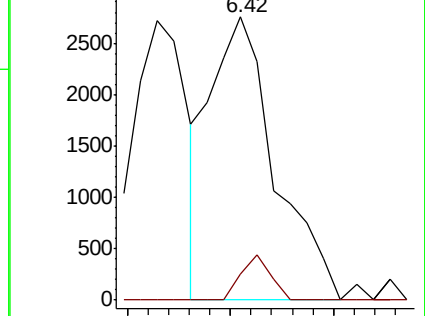
62 100

98 7.2 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#39

1,2-Dichloropropane

Concen: 8.061 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

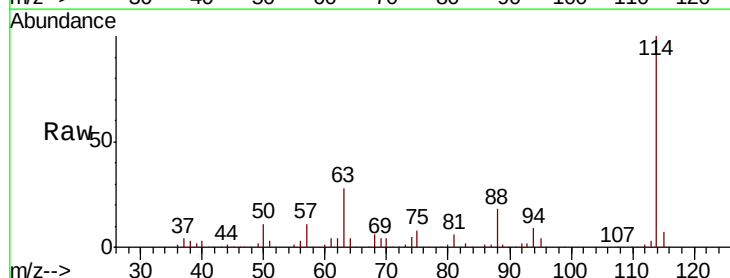
Tgt Ion: 63 Resp: 407745

Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

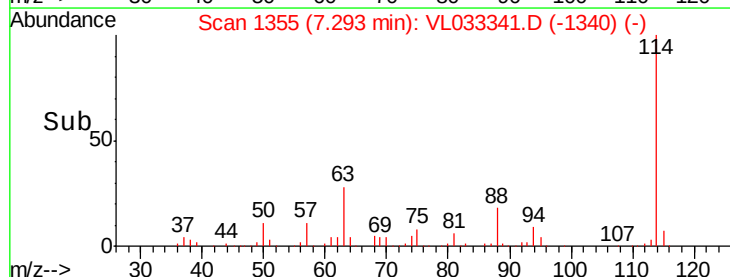
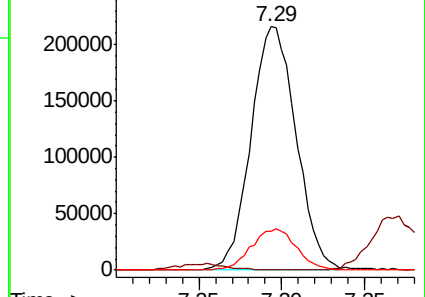
62 15.9 54.7 82.1#

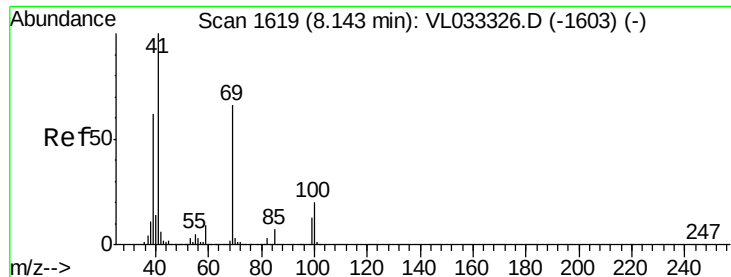


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

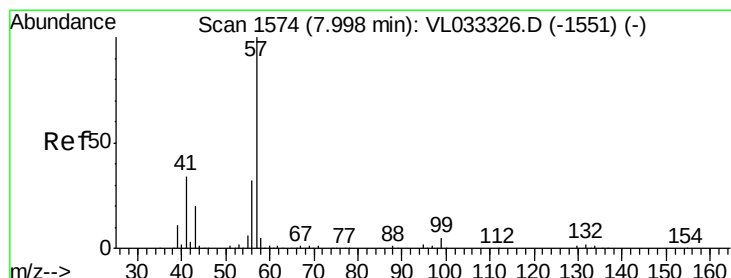
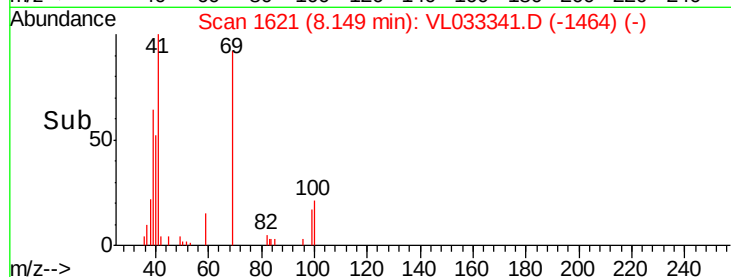
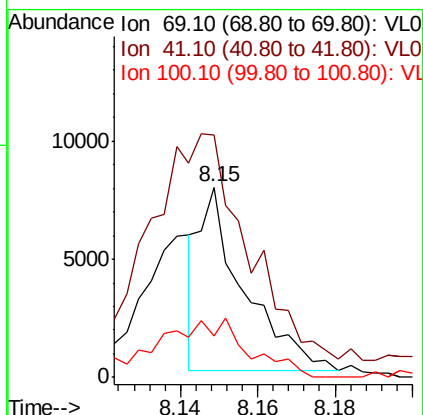
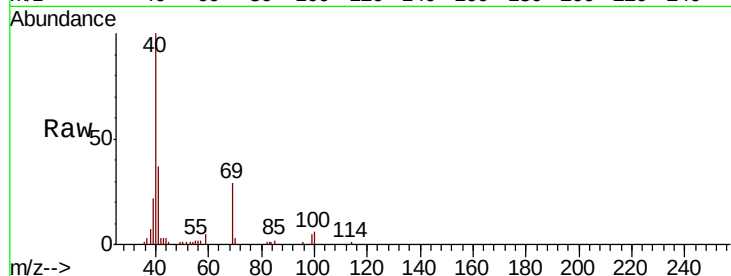




#43
Methyl Methacrylate
Concen: 0.118 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

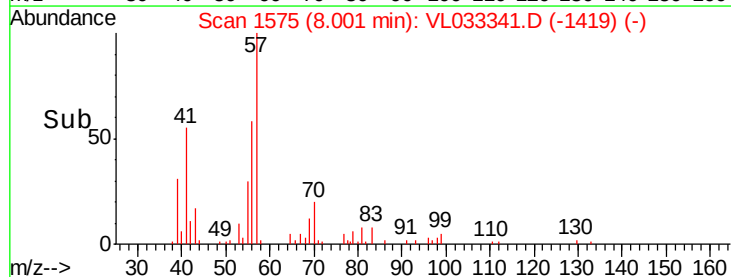
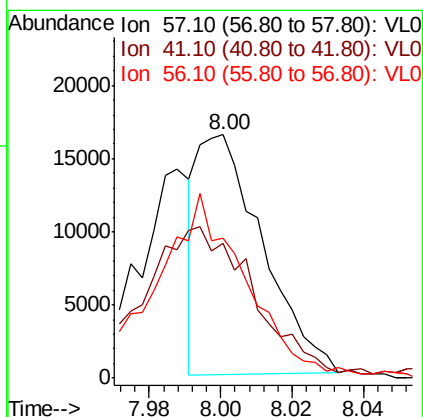
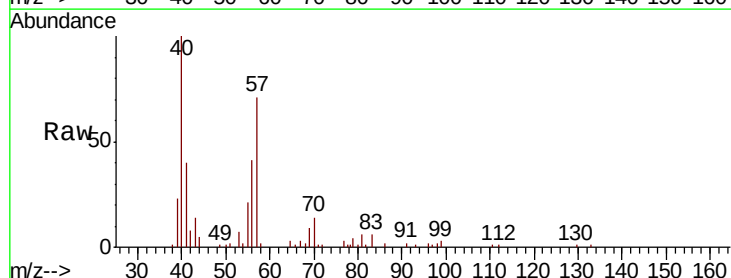
Instrument :
MSVOA_L
ClientSampleId :

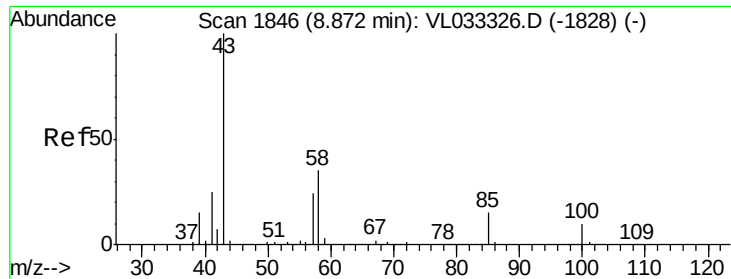
Tot Ion: 69 Resp: 6191
Ion Ratio Lower Upper
69 100
41 308.9 119.5 179.3#
100 66.3 24.4 36.6#



#44
2,2,4-Trimethylpentane
Concen: 0.092 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

Tgt Ion: 57 Resp: 20672
Ion Ratio Lower Upper
57 100
41 106.2 26.0 39.0#
56 109.8 24.6 36.8#

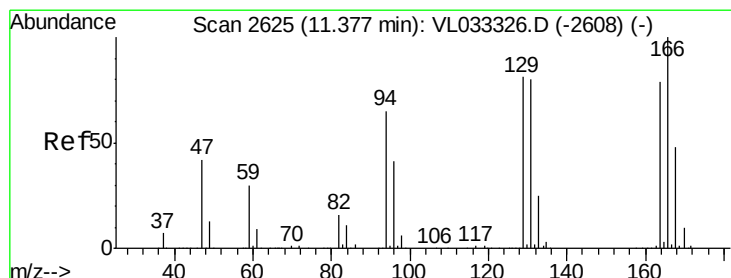
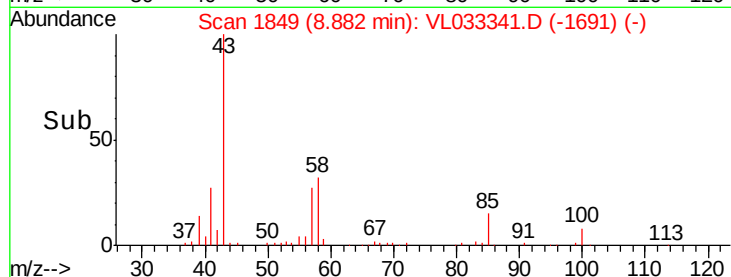
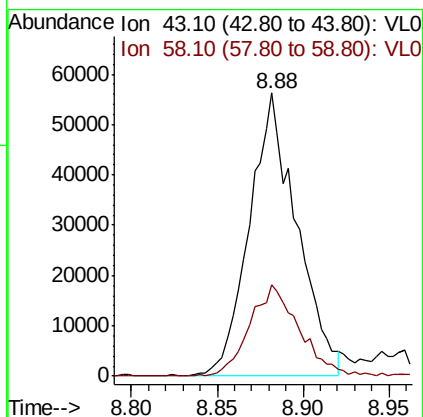
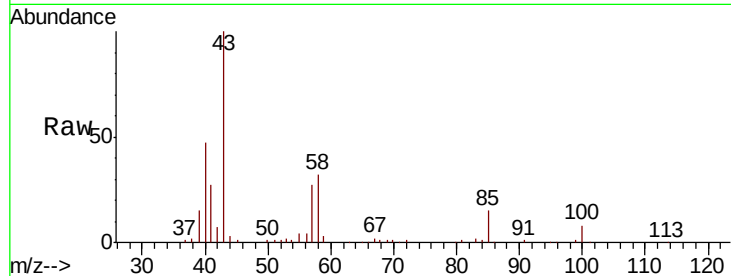




#50
4-Methyl-2-Pentanone
Concen: 0.771 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

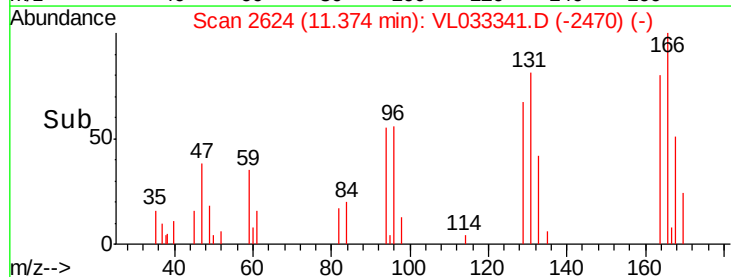
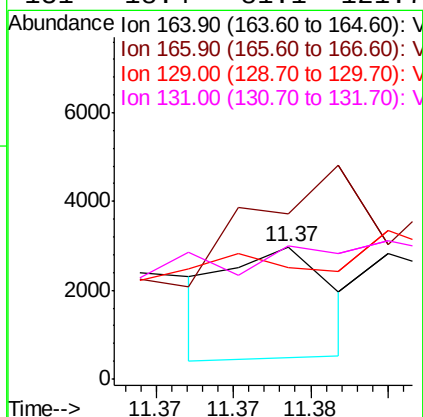
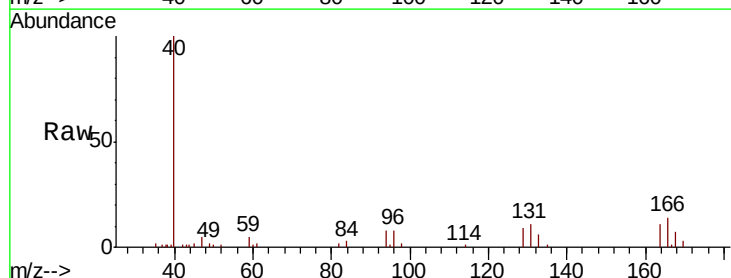
Instrument :
MSVOA_L
ClientSampled :

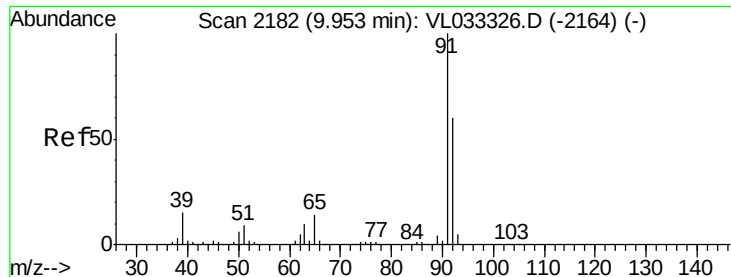
Tot Ion: 43 Resp: 107973
Ion Ratio Lower Upper
43 100
58 34.4 28.4 42.6



#52
Tetrachloroethene
Concen: 0.021 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

Tgt Ion:164 Resp: 1178
Ion Ratio Lower Upper
164 100
166 191.4 101.5 152.3#
129 6.2 82.2 123.2#
131 18.4 81.1 121.7#





#53

Toluene

Concen: 21.007 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

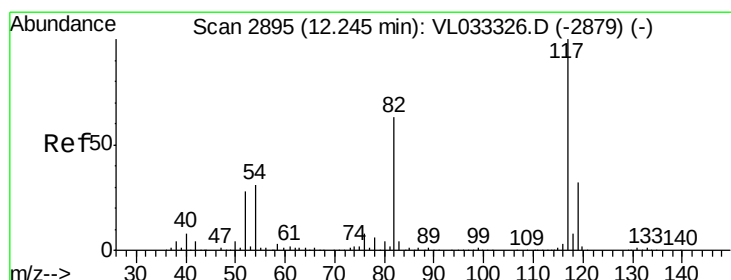
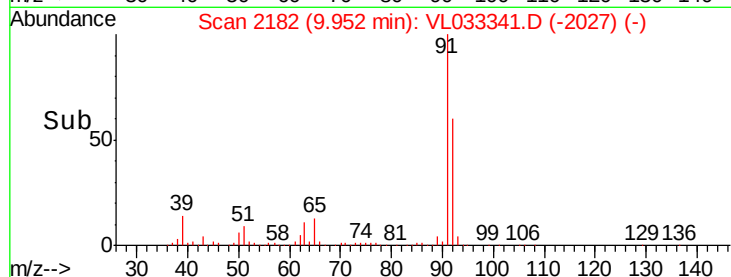
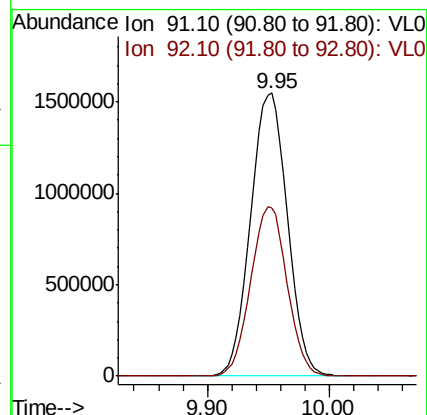
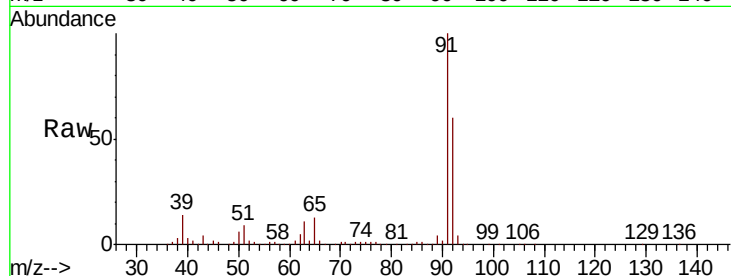
ClientSampleId :

Tot Ion: 91 Resp: 3224155

Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL033341.D

Acq: 15 Mar 2019 21:42

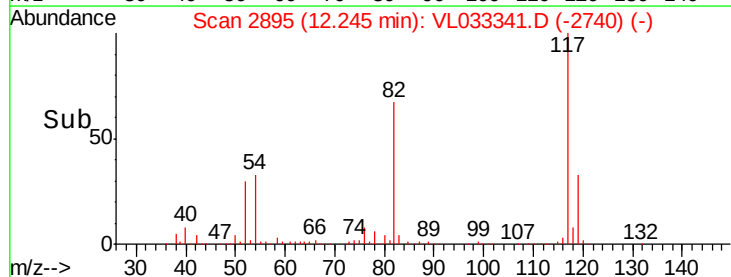
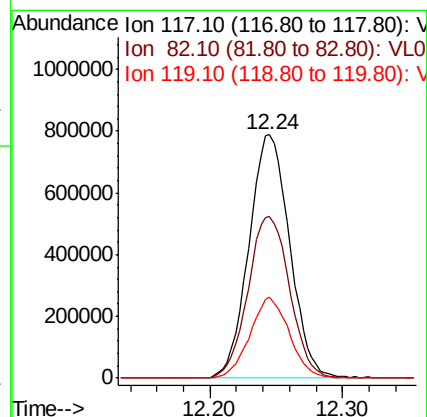
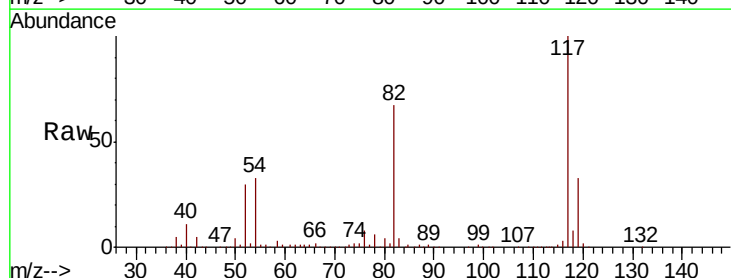
Tgt Ion: 117 Resp: 1684880

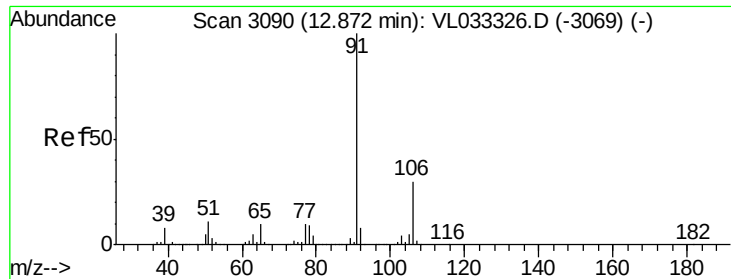
Ion Ratio Lower Upper

117 100

82 68.5 53.4 80.2

119 32.2 27.3 40.9

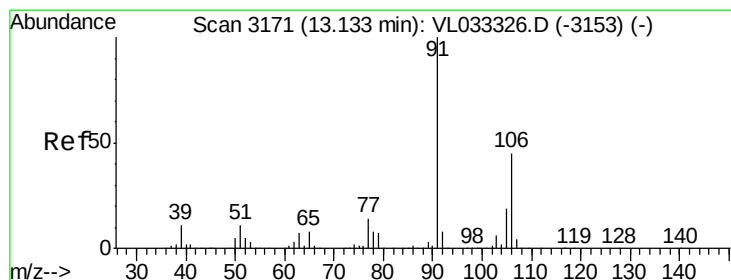
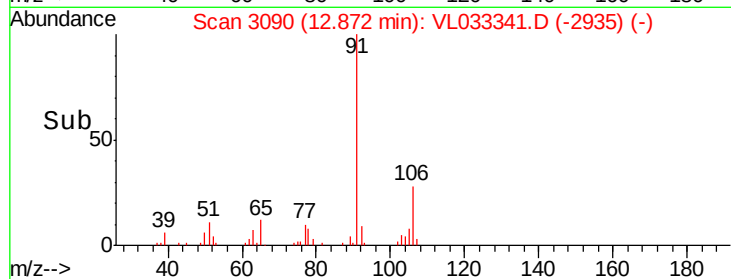
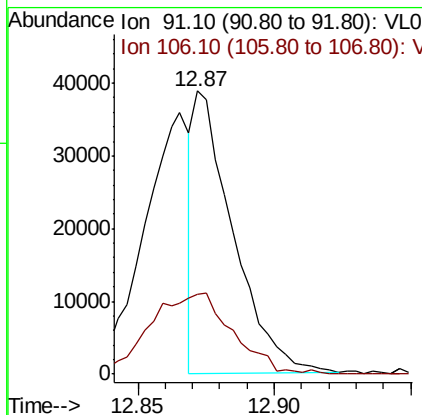
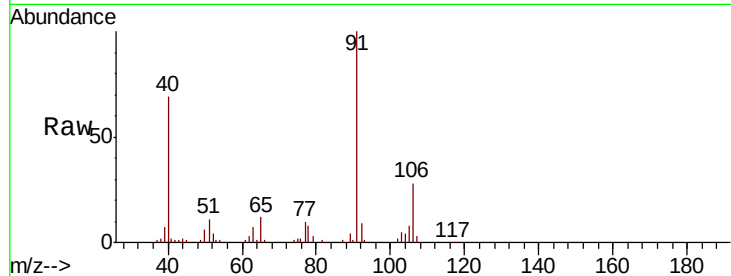




#58
Ethyl Benzene
Concen: 0.161 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

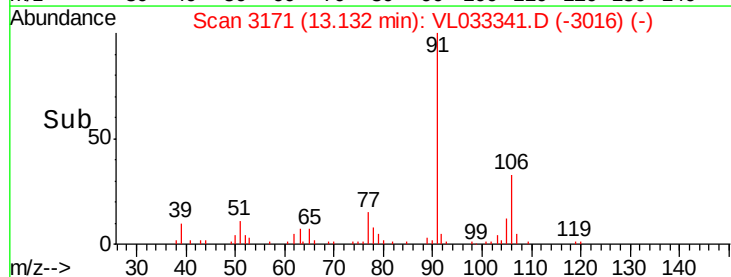
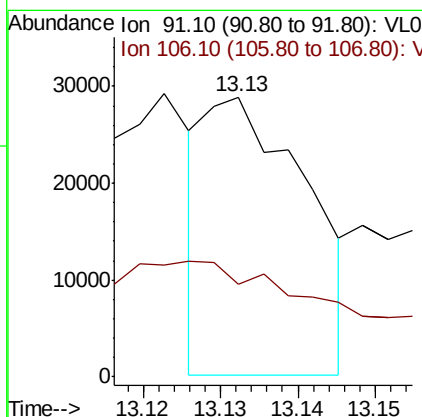
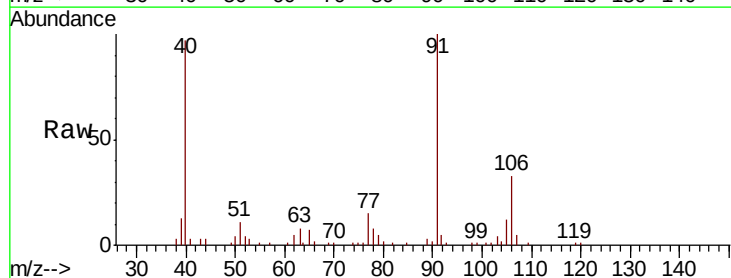
Instrument :
MSVOA_L
ClientSampleId :

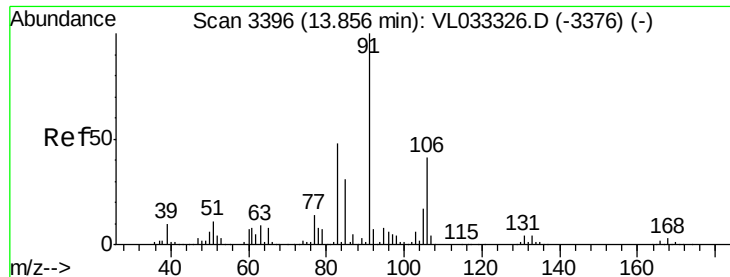
Tot Ion: 91 Resp: 38421
Ion Ratio Lower Upper
91 100
106 28.2 24.2 36.2



#59
m/p-Xylene
Concen: 0.128 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

Tgt Ion: 91 Resp: 26312
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

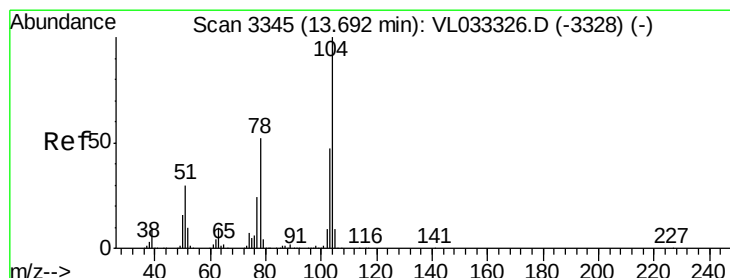
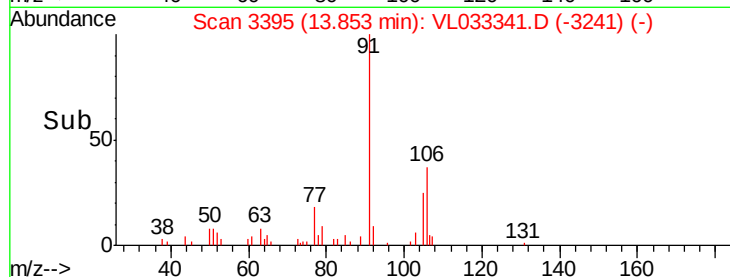
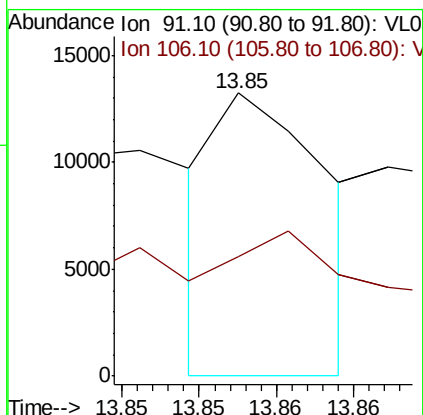
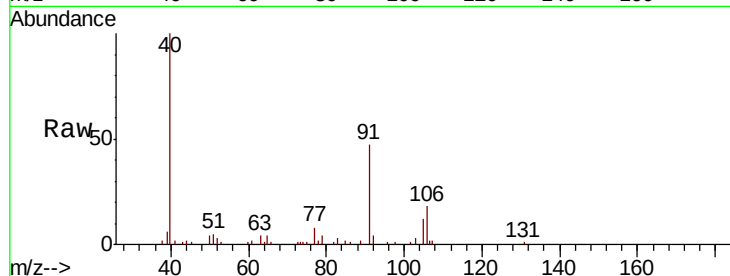




#60
o-Xylene
Concen: 0.033 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

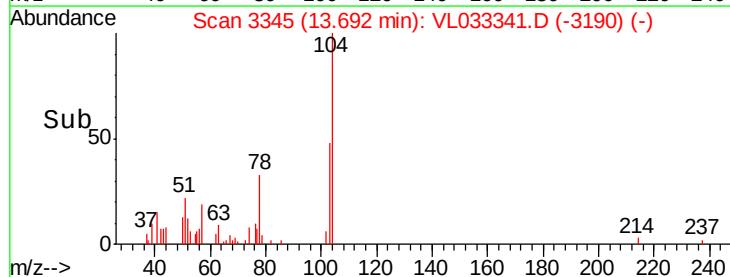
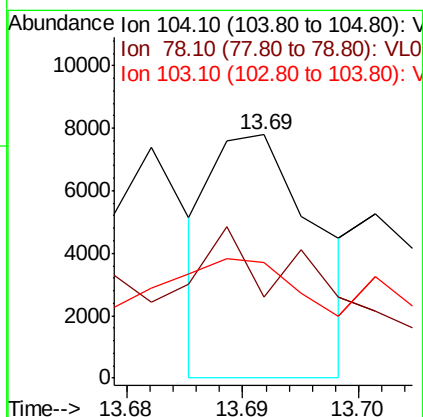
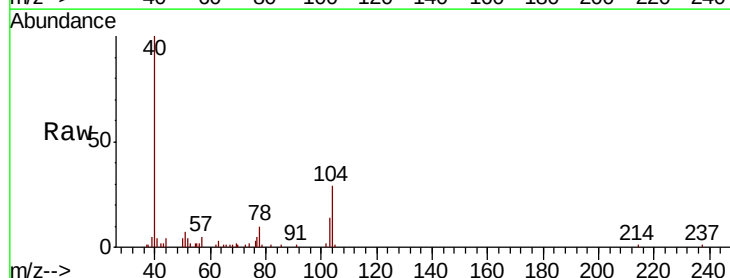
Instrument :
MSVOA_L
ClientSampled :

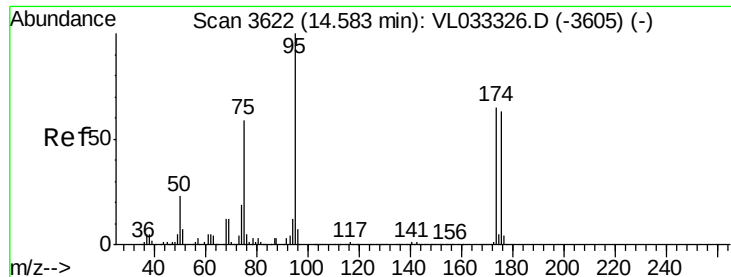
Tot Ion: 91 Resp: 6513
Ion Ratio Lower Upper
91 100
106 186.4 21.3 63.9#



#61
Styrene
Concen: 0.035 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL033341.D
Acq: 15 Mar 2019 21:42

Tgt Ion: 104 Resp: 4836
Ion Ratio Lower Upper
104 100
78 169.1 42.7 64.1#
103 161.2 38.0 57.0#

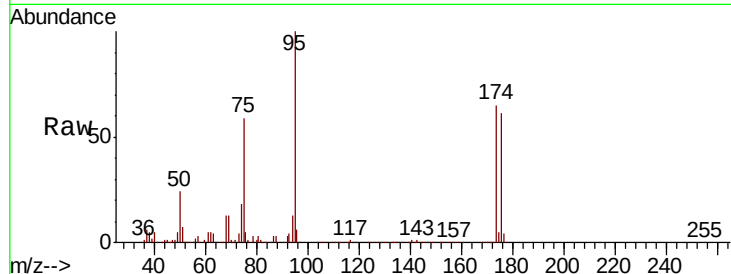




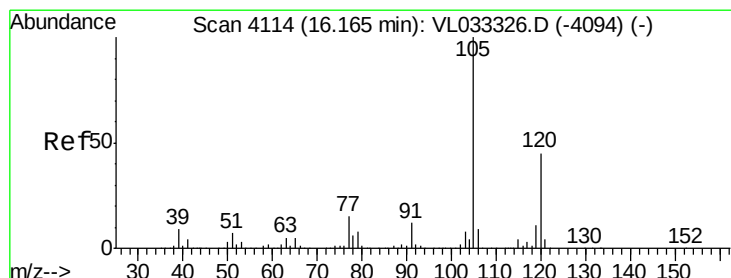
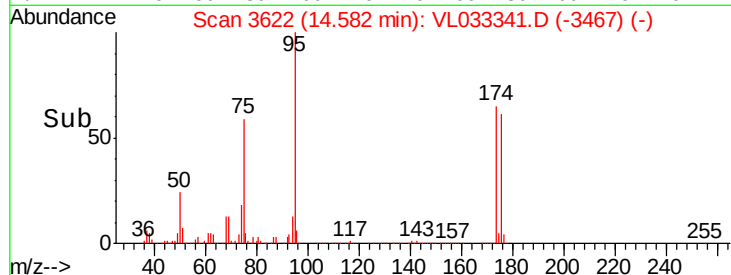
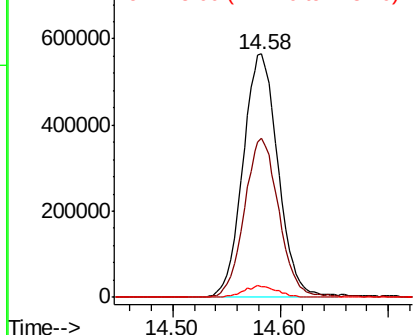
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.249 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033341.D
 Acq: 15 Mar 2019 21:42

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 1279550
 Ion Ratio Lower Upper
 95 100
 174 64.6 51.5 77.3
 175 4.6 3.8 5.6

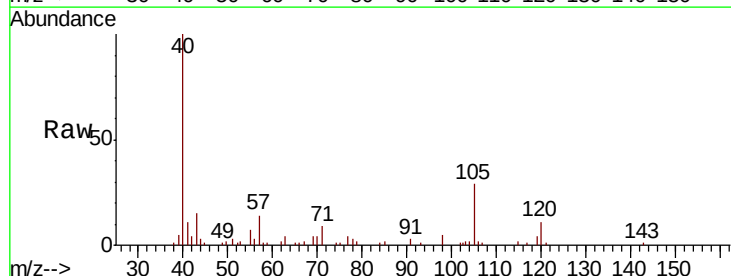


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

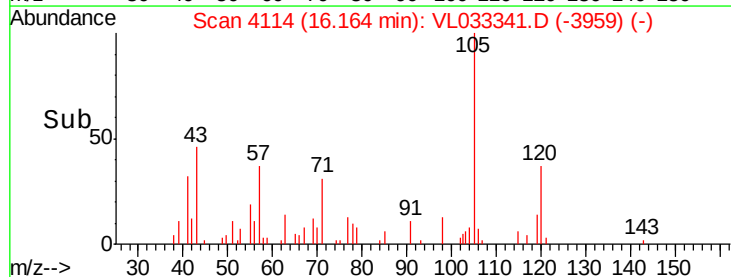
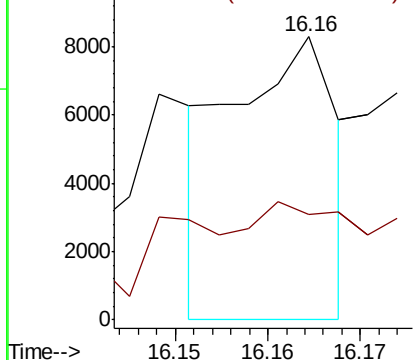


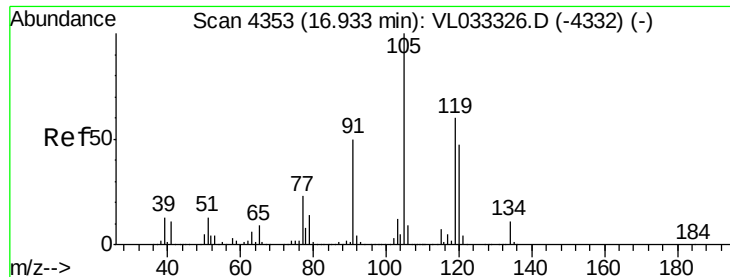
#73
 1,3,5-Trimethylbenzene
 Concen: 0.029 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL033341.D
 Acq: 15 Mar 2019 21:42

Tgt Ion:105 Resp: 6499
 Ion Ratio Lower Upper
 105 100
 120 6.2 36.2 54.4#



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.121 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL033341.D

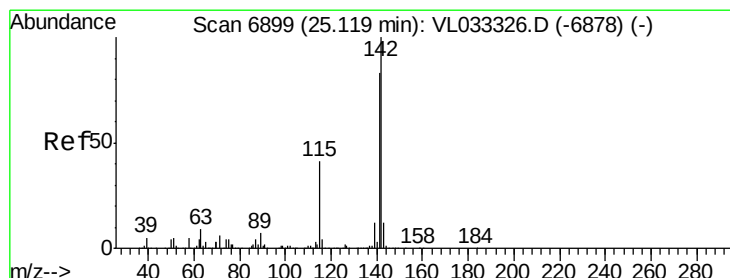
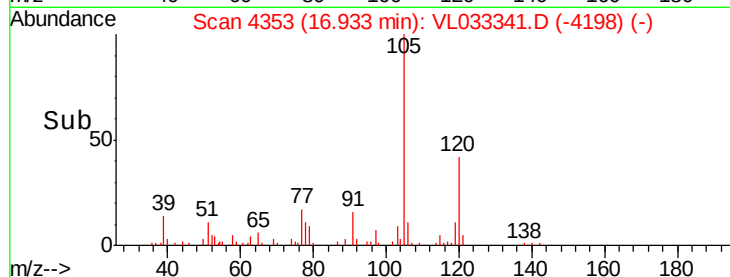
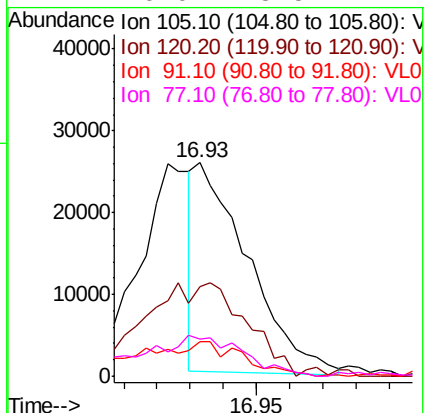
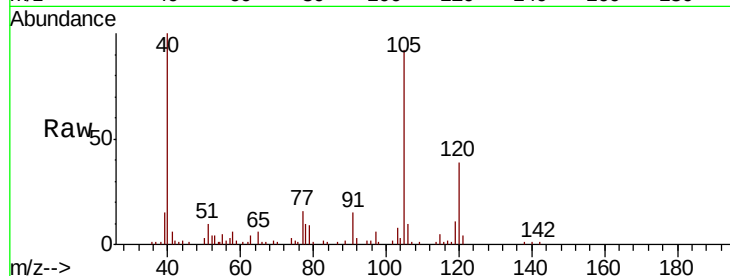
Acq: 15 Mar 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	28314
Ion	Ratio	Lower	Upper
105	100		
120	40.2	37.4	56.2
91	16.1	41.0	61.4#
77	16.0	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: VL033341.D

Acq: 15 Mar 2019 21:42

Tgt Ion:	142	Resp:	2219
Ion	Ratio	Lower	Upper
142	100		
141	69.8	67.1	100.7
115	36.1	33.8	50.6

