

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033340.D
 Acq On : 15 Mar 2019 21:00
 Operator : SY/AP
 Sample : K1827-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:58:13 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	5.77	49	689874	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1599893	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1693494	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1274926	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	32869	0.271	ppbv	99
3) Chlorodifluoromethane	2.99	51	277115	3.500	ppbv #	75
4) Chloromethane	3.17	50	25552	0.596	ppbv	90
9) Propene	3.24	41	259018	7.328	ppbv	95
10) Heptane	8.25	43	208311	2.376	ppbv	100
11) Trichlorofluoromethane	4.01	101	15592	0.129	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.56	101	3455	0.043	ppbv #	24
13) Ethanol	3.66	45	2126112	126.173	ppbv	98
15) Acetone	3.90	43	1120387	10.447	ppbv	98
16) 1,3-Butadiene	3.35	39	4456	0.128	ppbv #	2
17) tert-Butyl alcohol	4.04	59	26634	1.765	ppbv	97
19) Isopropyl Alcohol	4.04	45	745802	14.620	ppbv #	99
20) Methylene Chloride	4.41	84	72190	2.064	ppbv	96
21) Allyl Chloride	4.42	41	1245	0.024	ppbv #	18
23) Vinyl Acetate	5.15	43	33140	0.267	ppbv #	45
25) Ethyl Acetate	5.77	43	328319	2.106	ppbv	98
26) Hexane	5.79	57	160672	2.305	ppbv	90
29) Chloroform	5.86	83	4062	0.036	ppbv #	75
30) Cyclohexane	7.25	84	7310	0.131	ppbv #	1
31) cis-1,2-Dichloroethene	5.77	61	26930	0.386	ppbv #	29
34) 2-Butanone	5.34	43	85710	0.816	ppbv	98
35) Carbon Tetrachloride	7.13	117	5096	0.045	ppbv #	72
36) Benzene	7.00	78	39580	0.276	ppbv	97
37) 1,2-Dichloroethane	6.41	62	3495	0.039	ppbv #	83
38) Trichloroethene	7.97	130	2009	0.037	ppbv #	40
39) 1,2-Dichloropropane	7.30	63	436444	8.140	ppbv #	24
41) Tetrahydrofuran	6.13	42	2083	0.037	ppbv #	60
43) Methyl Methacrylate	8.14	69	11579	0.208	ppbv	80
44) 2,2,4-Trimethylpentane	7.99	57	25917	0.109	ppbv #	1
50) 4-Methyl-2-Pentanone	8.88	43	107496	0.724	ppbv	97
52) Trachloroethene	11.37	164	1827	0.031	ppbv #	62
53) Toluene	9.95	91	2908379	17.876	ppbv	100
57) Chlorobenzene	12.31	112	3445	0.026	ppbv #	79
58) Ethyl Benzene	12.87	91	82629	0.345	ppbv	98
59) m/p-Xylene	13.13	91	26469	0.129	ppbv #	100
60) o-Xylene	13.86	91	29191	0.145	ppbv	93
61) Styrene	13.70	104	6507	0.046	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.17	105	11318	0.051	ppbv	88
74) 1,2,4-Trimethylbenzene	16.93	105	40331	0.171	ppbv #	70
80) Naphthalene,2-methyl-	25.12	142	4720	0.044	ppbv	95

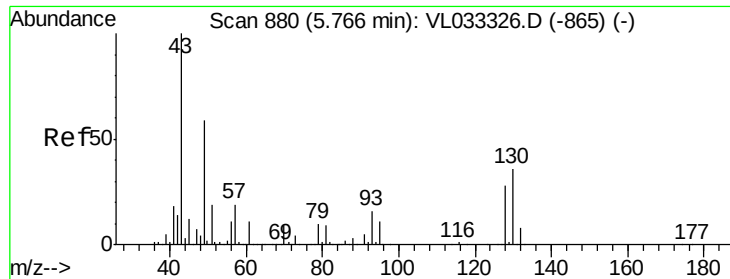
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
Data File : VL033340.D
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Operator : SY/AP
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Instrument :
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ClientSampleId :

Quant Time: Mar 16 03:58:13 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

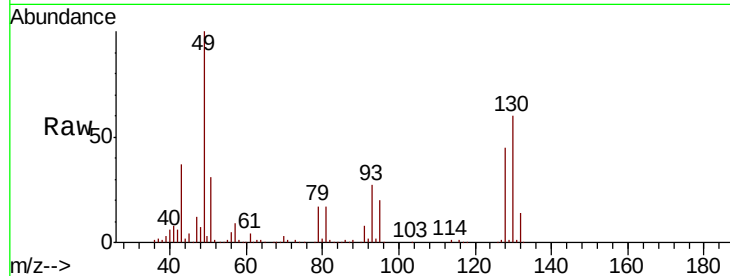
Tot Ion: 49 Resp: 689874

Ion Ratio Lower Upper

49 100

128 46.7 23.5 70.6

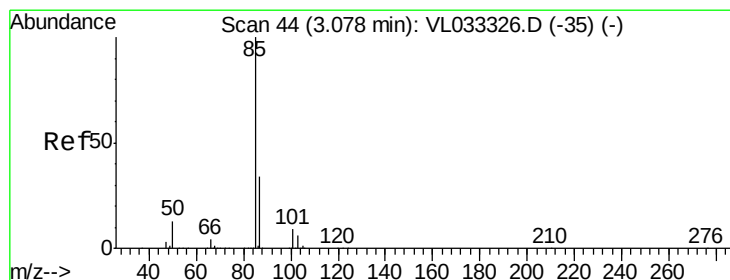
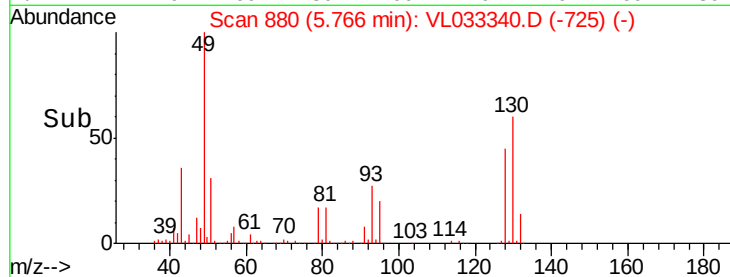
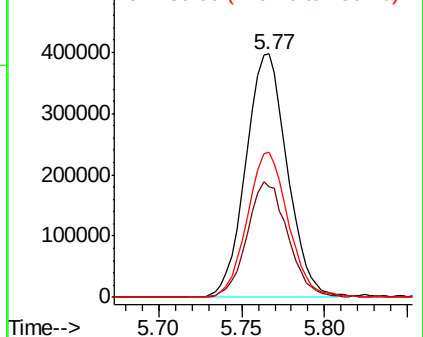
130 59.3 30.1 90.3



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: 0.271 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033340.D

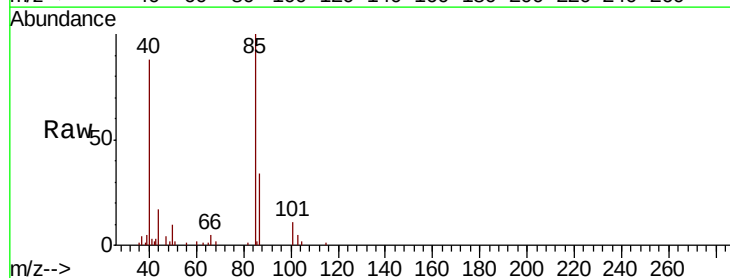
Acq: 15 Mar 2019 21:00

Tgt Ion: 85 Resp: 32869

Ion Ratio Lower Upper

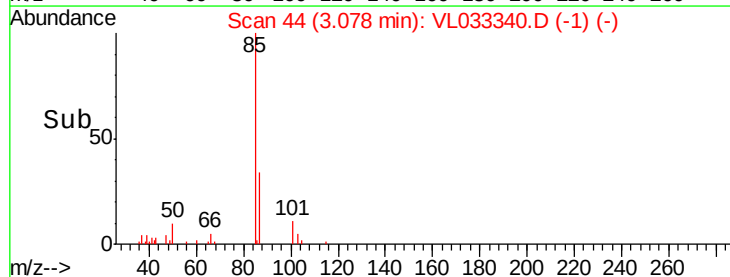
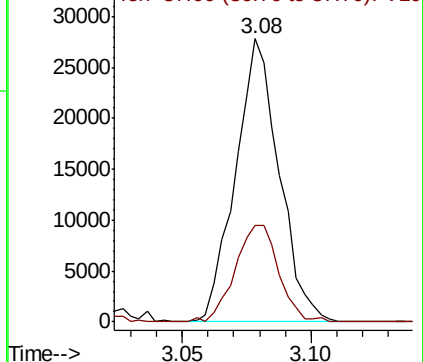
85 100

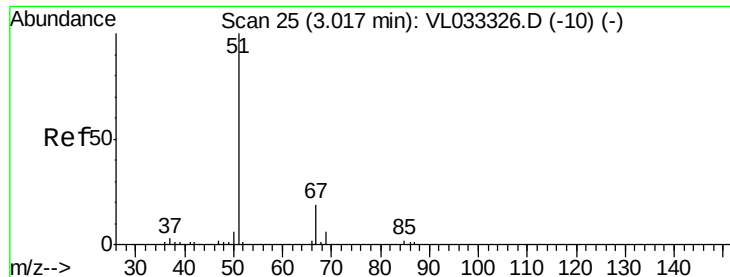
87 34.3 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.500 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.03 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

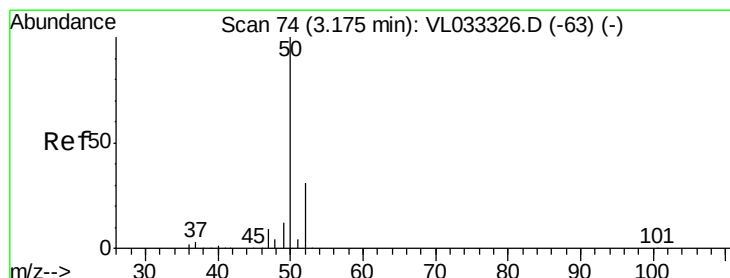
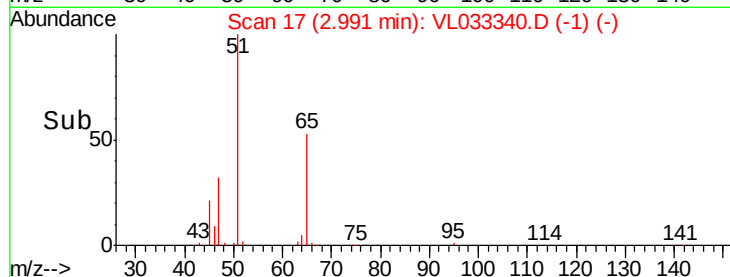
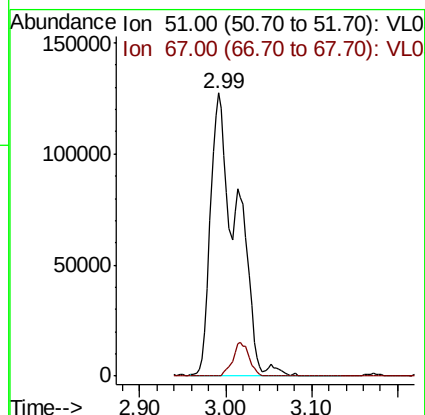
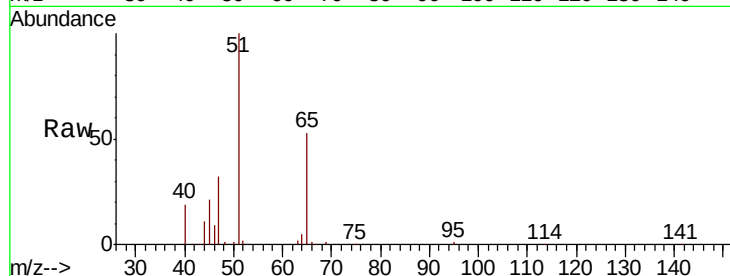
ClientSampleId :

Tot Ion: 51 Resp: 277115

Ion Ratio Lower Upper

51 100

67 7.3 14.9 22.3#



#4

Chloromethane

Concen: 0.596 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033340.D

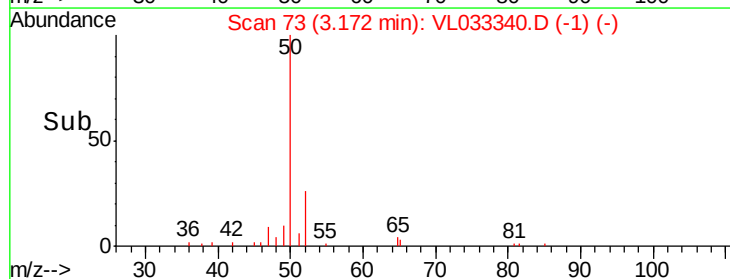
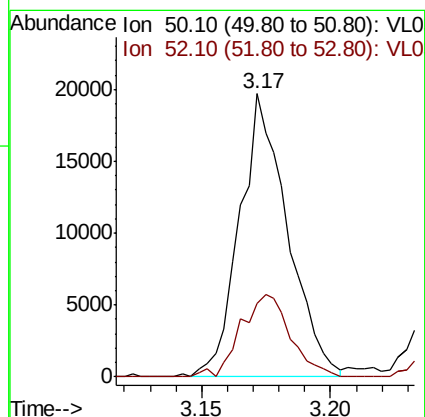
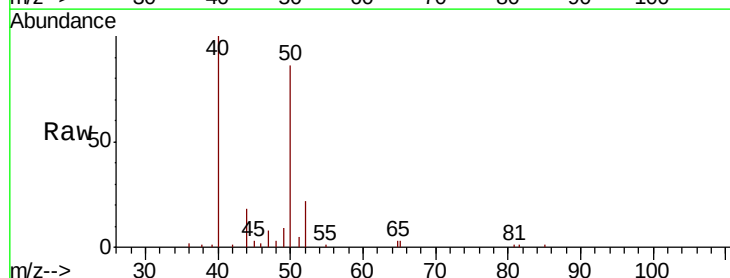
Acq: 15 Mar 2019 21:00

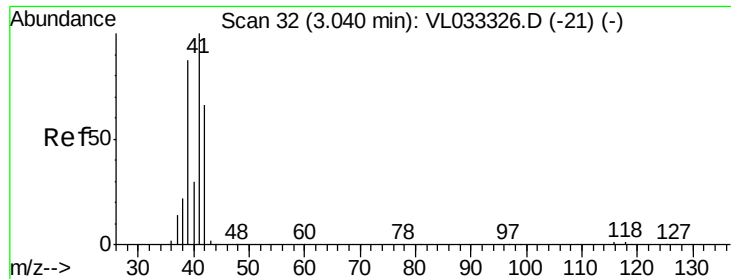
Tgt Ion: 50 Resp: 25552

Ion Ratio Lower Upper

50 100

52 25.8 25.0 37.6





#9

Propene

Concen: 7.328 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.20 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

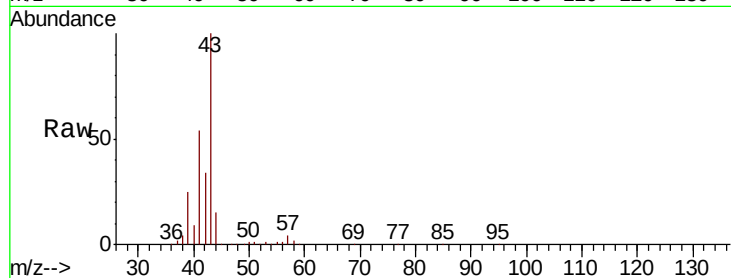
ClientSampleId :

Tot Ion: 41 Resp: 259018

Ion Ratio Lower Upper

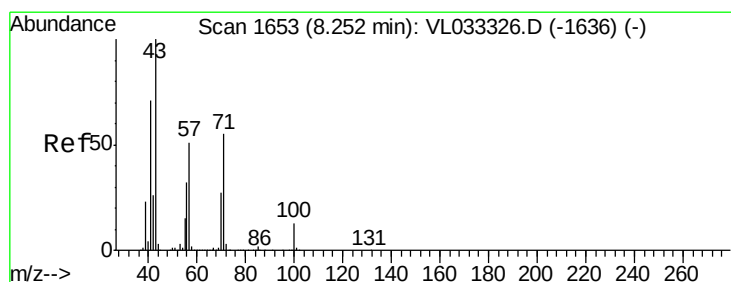
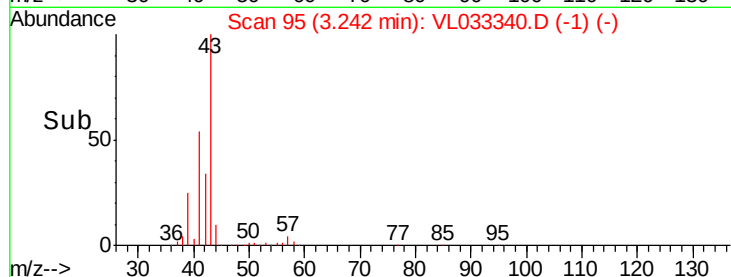
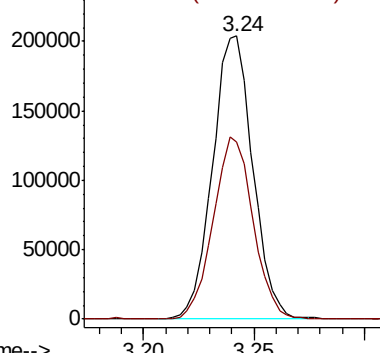
41 100

42 64.6 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: 2.376 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033340.D

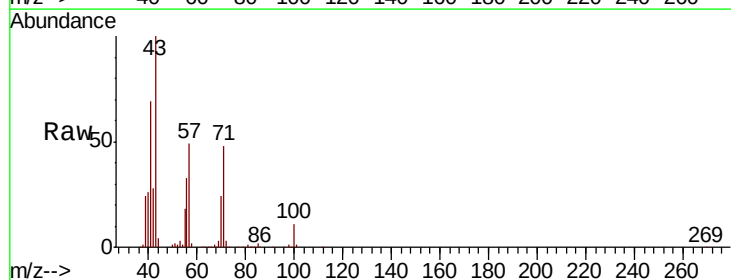
Acq: 15 Mar 2019 21:00

Tgt Ion: 43 Resp: 208311

Ion Ratio Lower Upper

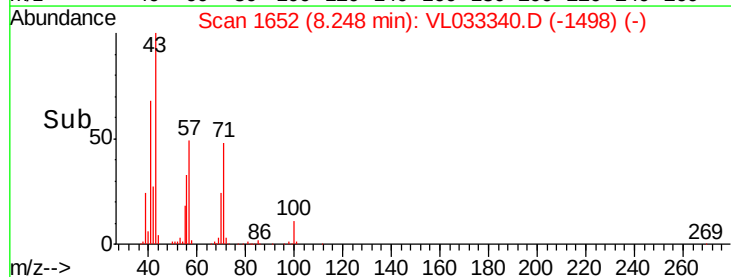
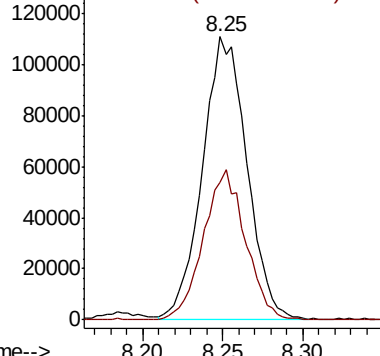
43 100

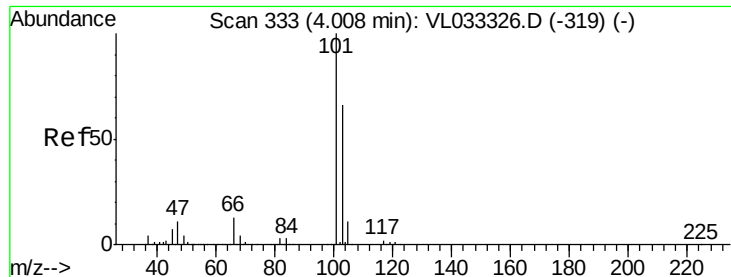
57 50.6 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.129 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

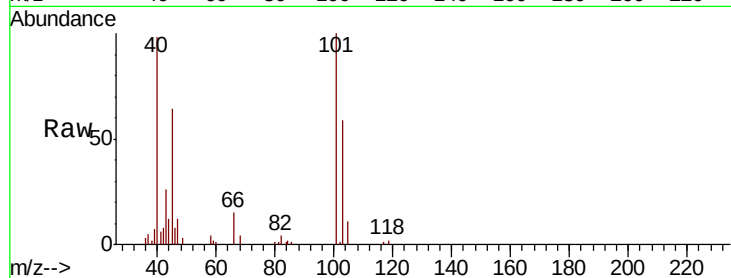
ClientSampled :

Tot Ion:101 Resp: 15592

Ion Ratio Lower Upper

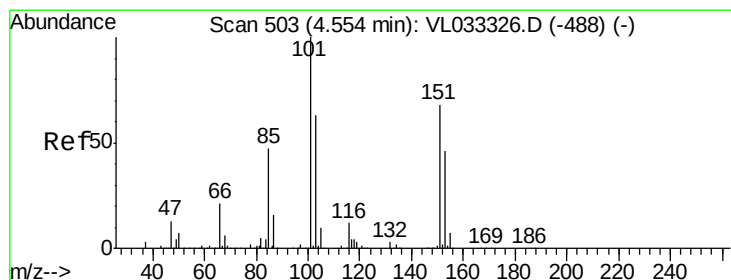
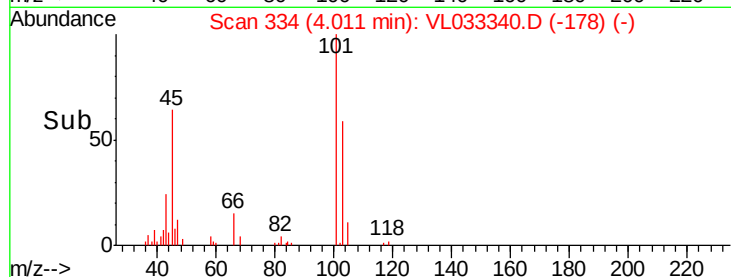
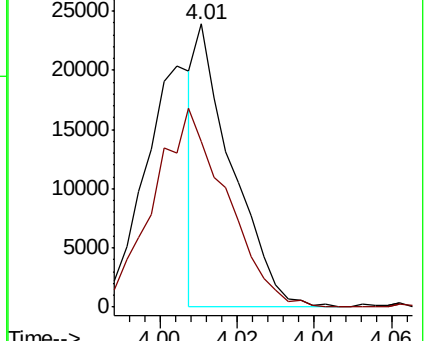
101 100

103 58.5 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: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033340.D

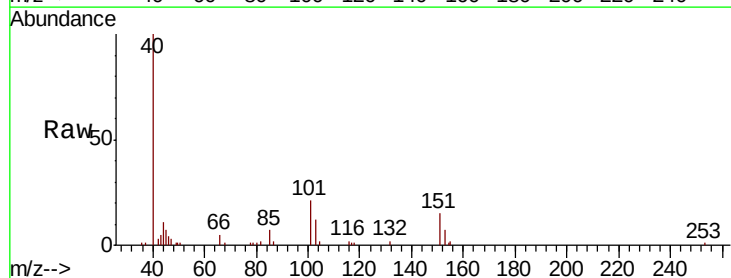
Acq: 15 Mar 2019 21:00

Tgt Ion:101 Resp: 3455

Ion Ratio Lower Upper

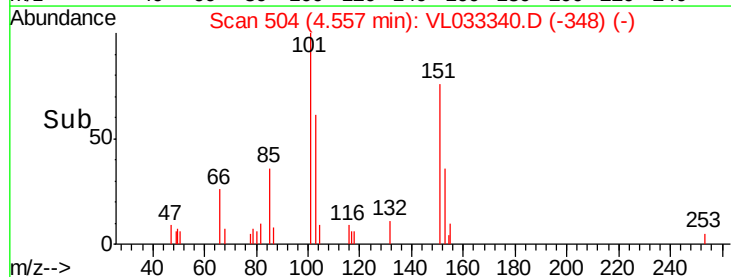
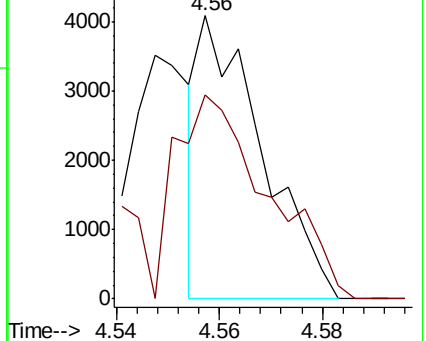
101 100

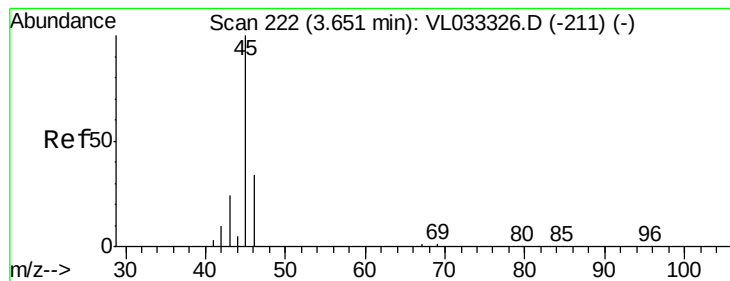
151 133.1 56.3 84.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 126.173 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

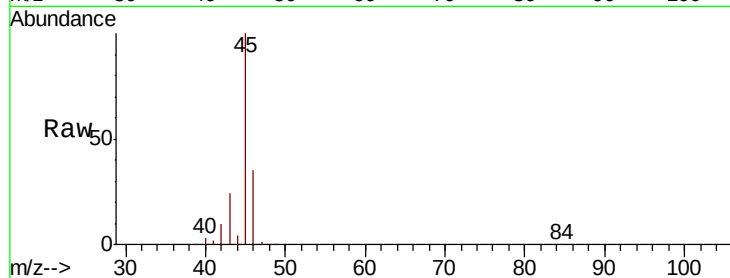
ClientSampled :

Tot Ion: 45 Resp: 2126112

Ion Ratio Lower Upper

45 100

46 35.9 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

1200000

1000000

800000

600000

400000

200000

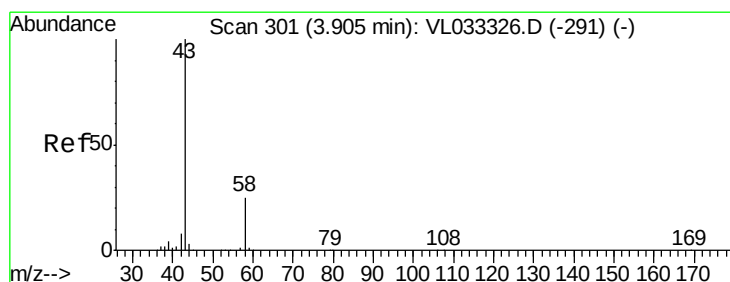
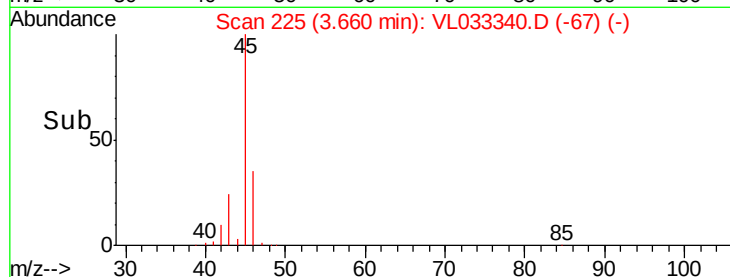
0

3.60

3.66

3.70

Time-->



#15

Acetone

Concen: 10.447 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033340.D

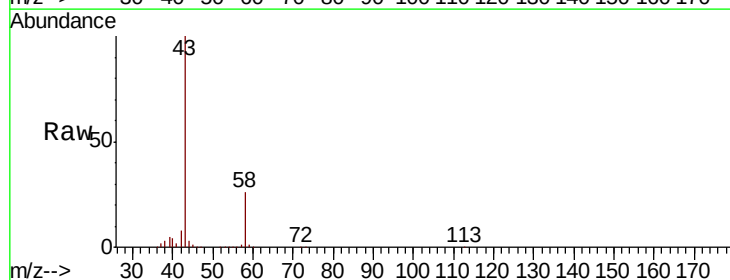
Acq: 15 Mar 2019 21:00

Tgt Ion: 43 Resp: 1120387

Ion Ratio Lower Upper

43 100

58 24.3 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

400000

200000

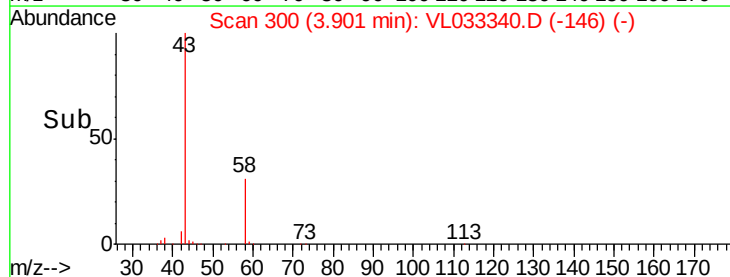
0

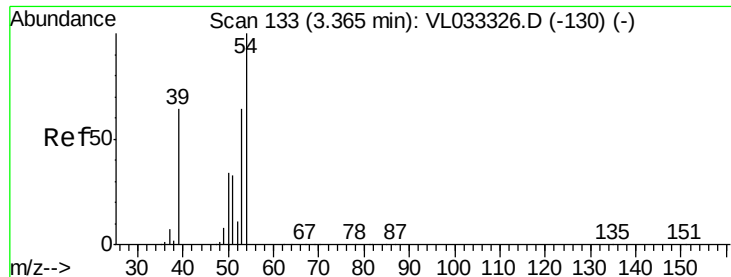
3.85

3.90

3.95

Time-->

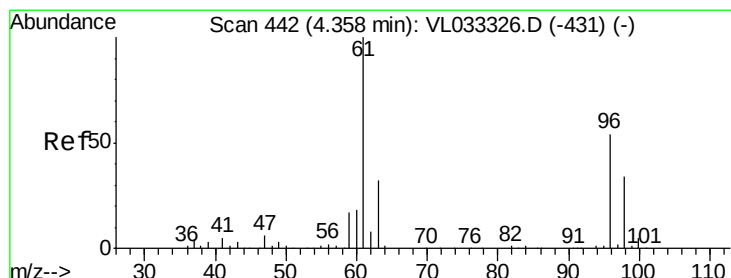
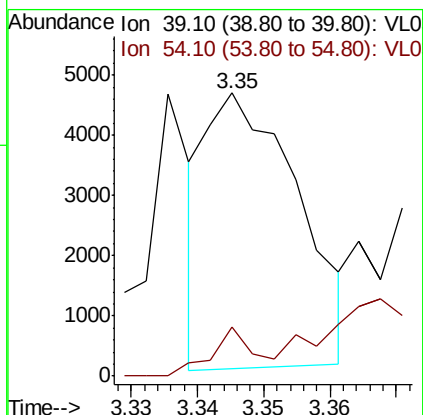
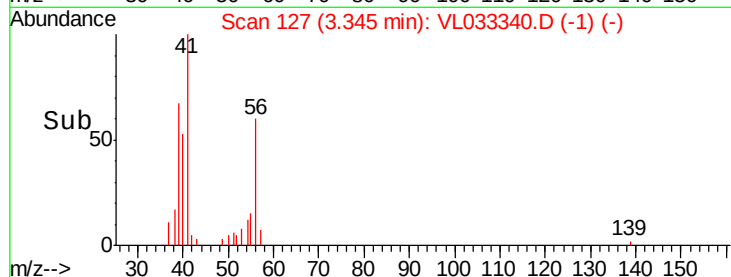
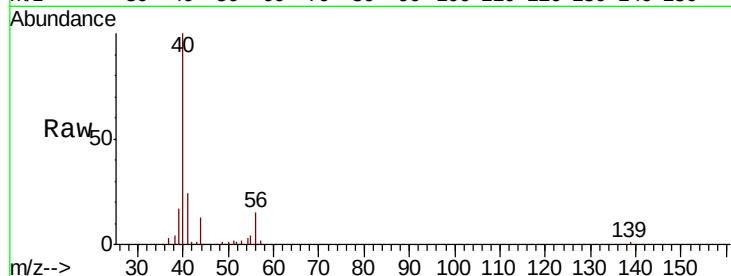




#16
 1,3-Butadiene
 Concen: 0.128 ppbv
 RT: 3.35 min Scan# 127
 Delta R.T. -0.02 min
 Lab File: VL033340.D
 Acq: 15 Mar 2019 21:00

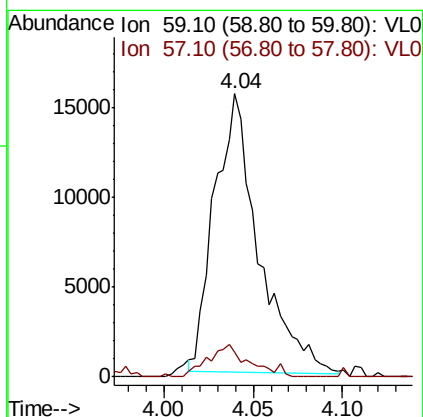
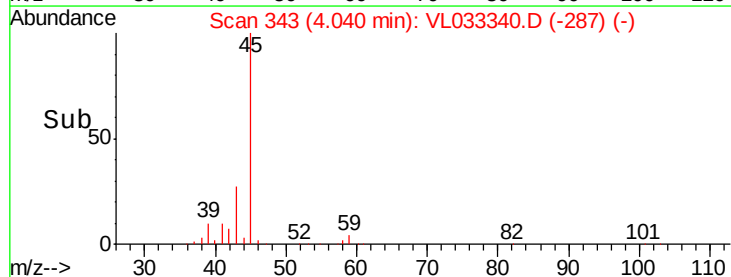
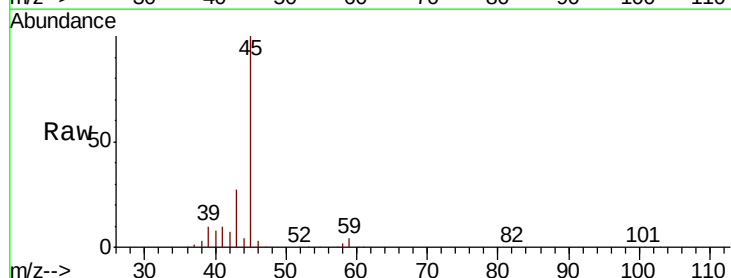
Instrument :
 MSVOA_L
 ClientSampleID :

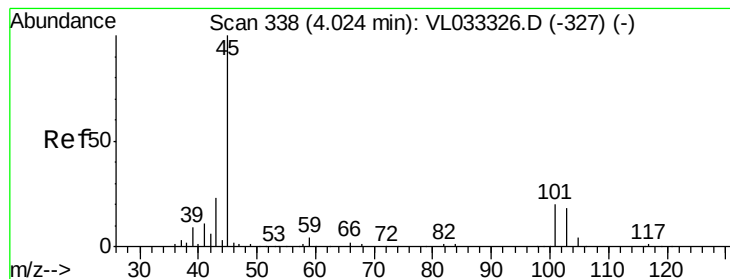
Tot Ion: 39 Resp: 4456
 Ion Ratio Lower Upper
 39 100
 54 0.0 76.8 115.2#



#17
 tert-Butyl alcohol
 Concen: 1.765 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. -0.32 min
 Lab File: VL033340.D
 Acq: 15 Mar 2019 21:00

Tgt Ion: 59 Resp: 26634
 Ion Ratio Lower Upper
 59 100
 57 10.8 7.7 11.5





#19

Isopropyl Alcohol

Concen: 14.620 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

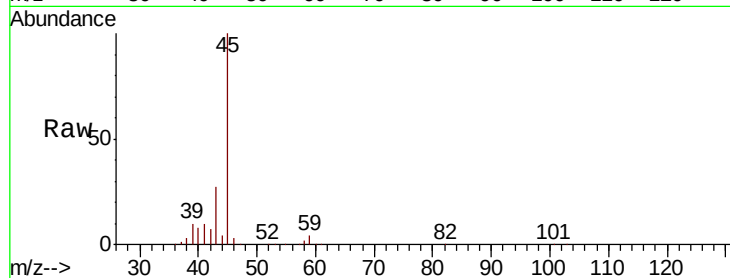
ClientSampleId :

Tot Ion: 45 Resp: 745802

Ion Ratio Lower Upper

45 100

58 2.4 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

400000

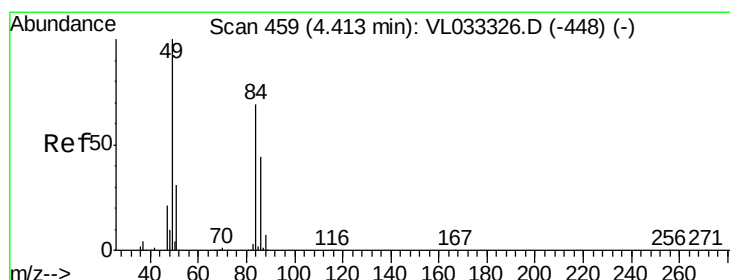
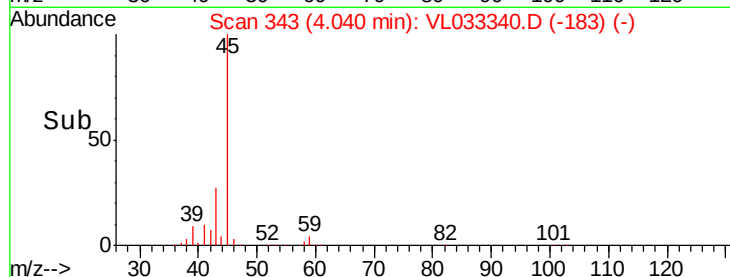
300000

200000

100000

0

Time--> 3.95 4.00 4.05 4.10 4.15



#20

Methylene Chloride

Concen: 2.064 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Tgt Ion: 84 Resp: 72190

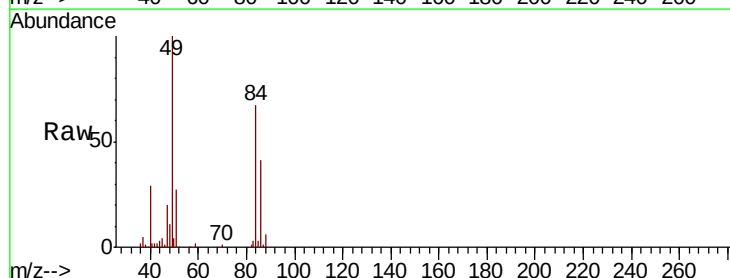
Ion Ratio Lower Upper

84 100

49 149.1 115.4 173.0

51 40.4 35.8 53.6

86 61.3 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

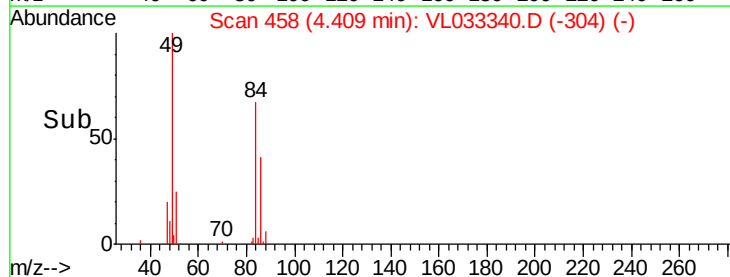
60000

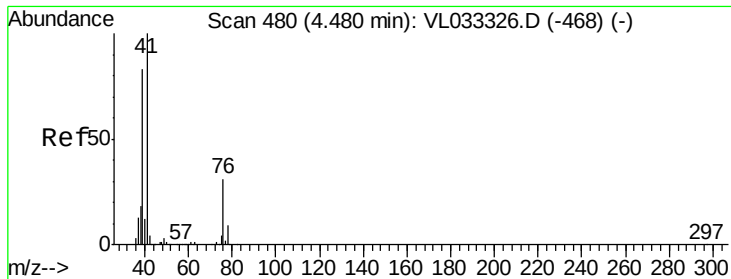
40000

20000

0

Time--> 4.35 4.40 4.45





#21

Allvl Chloride

Concen: 0.024 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.06 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

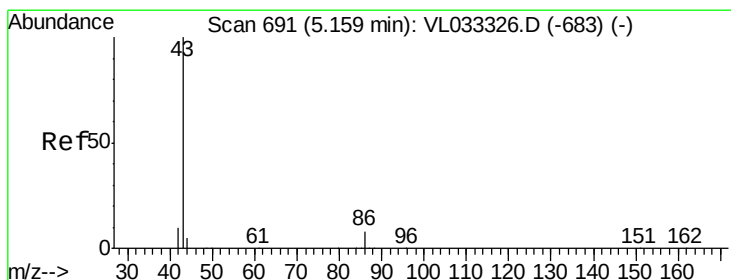
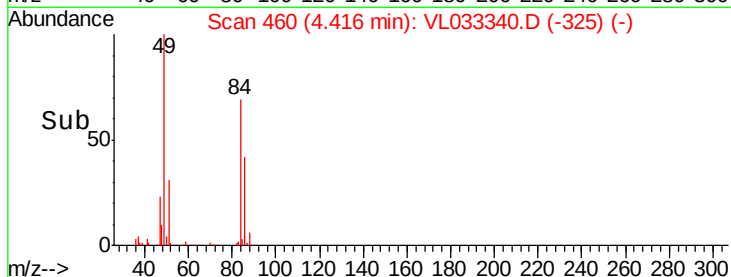
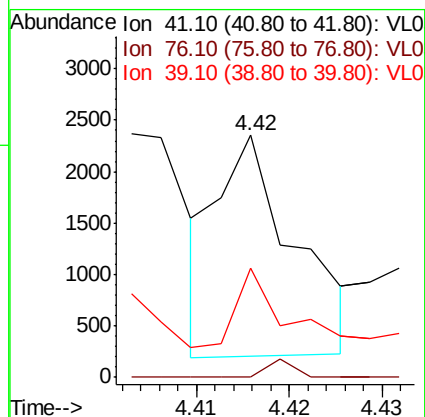
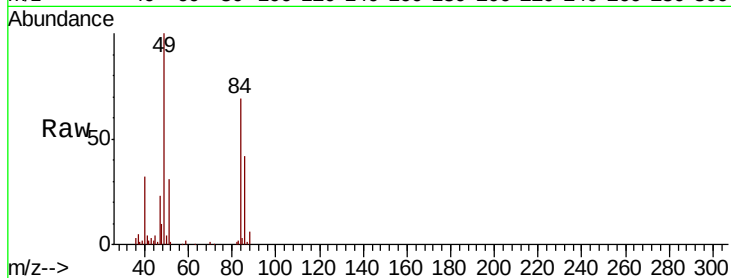
Tot Ion: 41 Resp: 1245

Ion Ratio Lower Upper

41 100

76 0.0 25.0 37.4#

39 0.0 65.9 98.9#



#23

Vinyl Acetate

Concen: 0.267 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Tgt Ion: 43 Resp: 33140

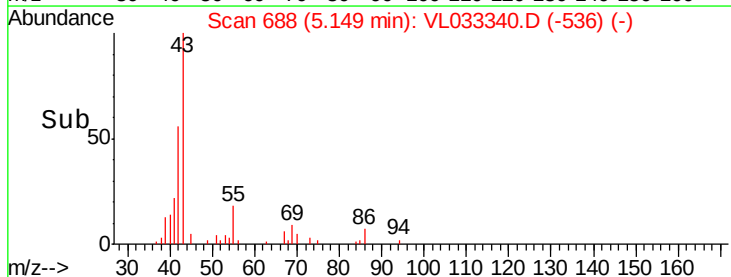
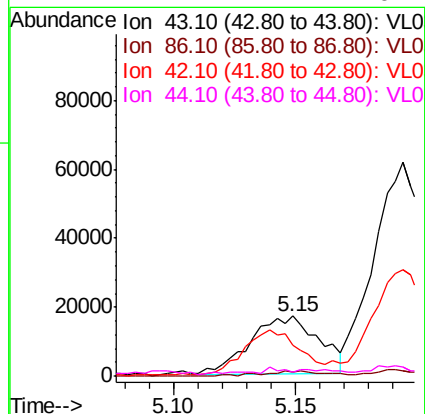
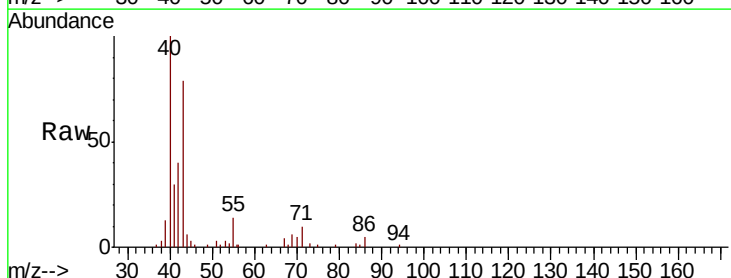
Ion Ratio Lower Upper

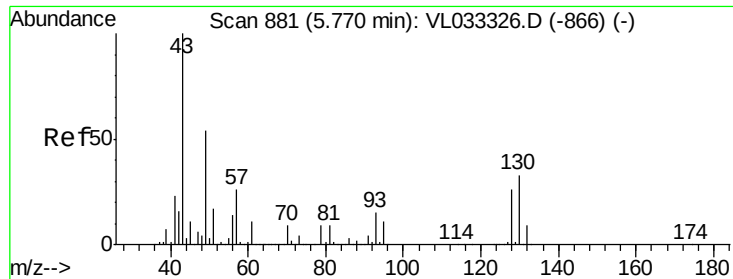
43 100

86 6.5 6.2 9.2

42 53.9 8.1 12.1#

44 2.2 4.1 6.1#

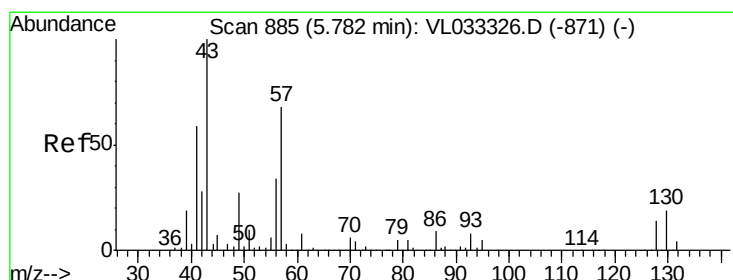
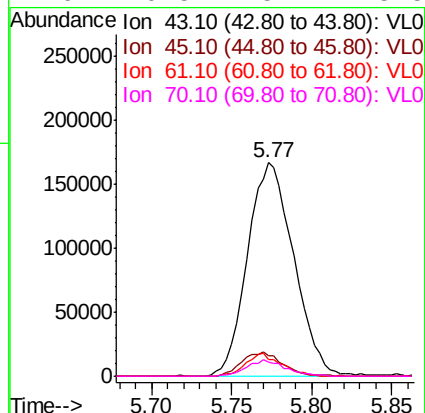
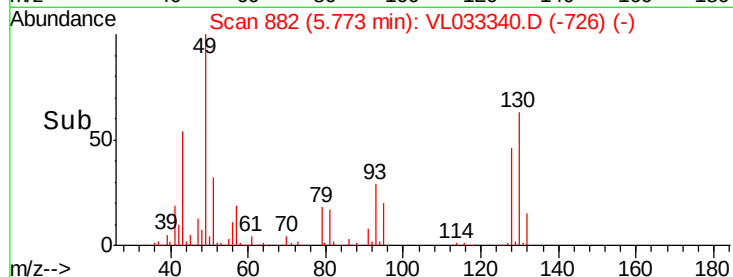
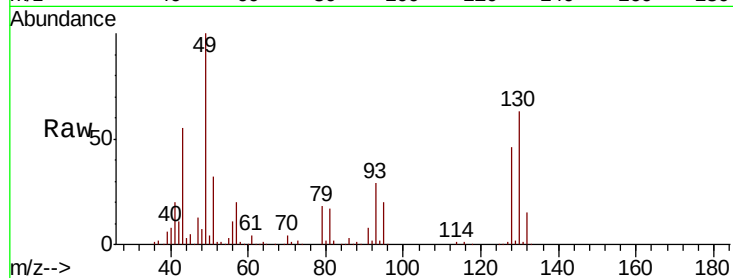




#25
Ethyl Acetate
Concen: 2.106 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

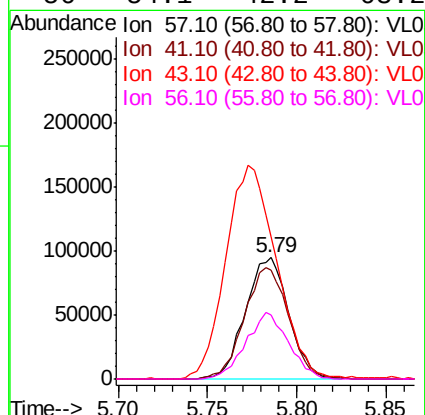
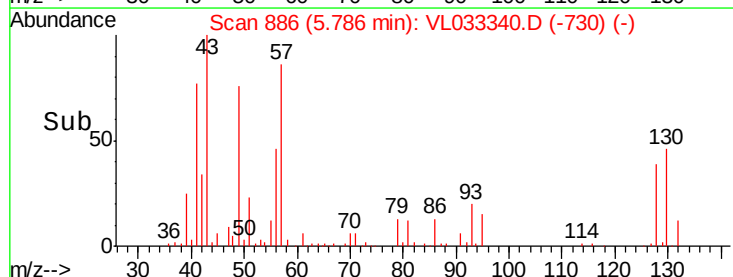
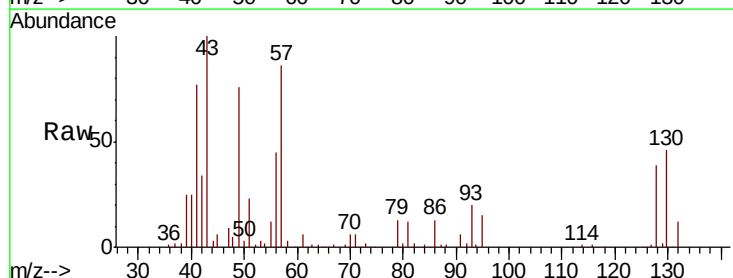
Instrument :
MSVOA_L
ClientSampleID :

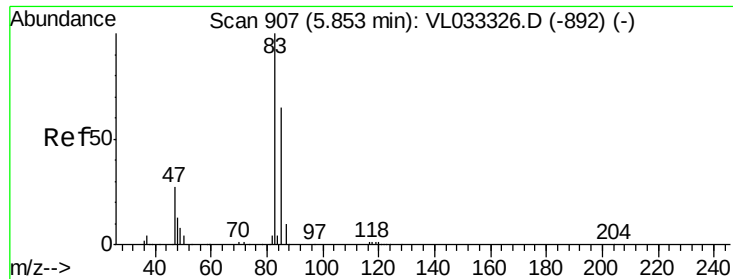
Tot Ion:	43	Resp:	328319
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	8.3	7.4	11.2
70	6.5	5.7	8.5



#26
Hexane
Concen: 2.305 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

Tgt Ion:	57	Resp:	160672
Ion	Ratio	Lower	Upper
57	100		
41	94.3	70.5	105.7
43	206.5	181.8	272.8
56	54.1	42.2	63.2

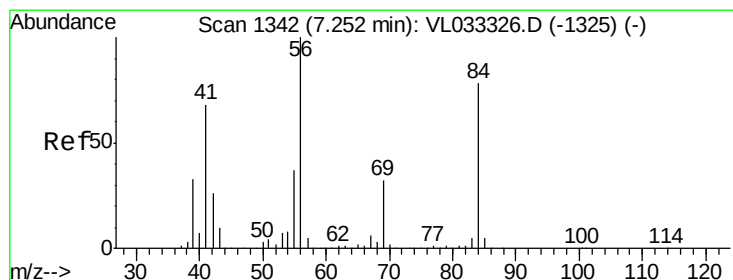
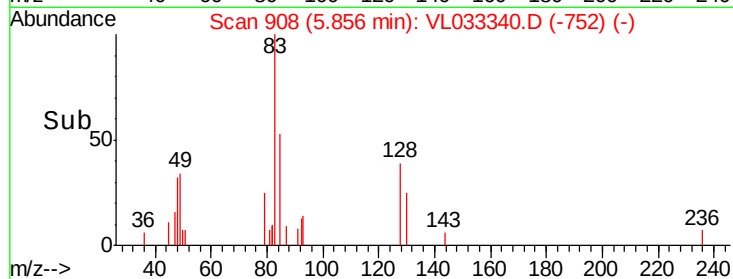
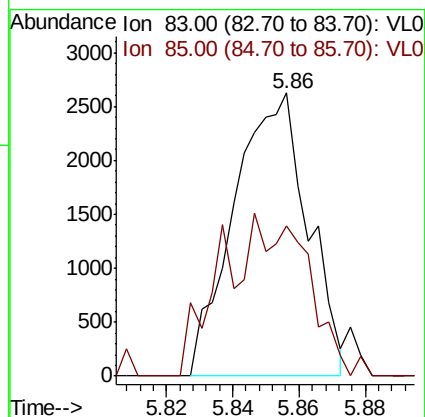
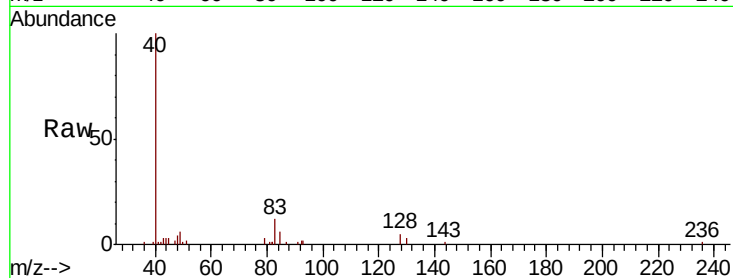




#29
Chloroform
Concen: 0.036 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

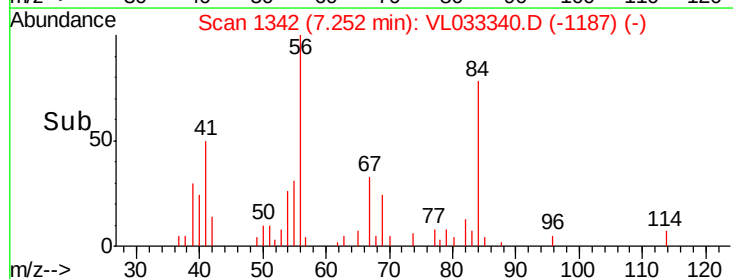
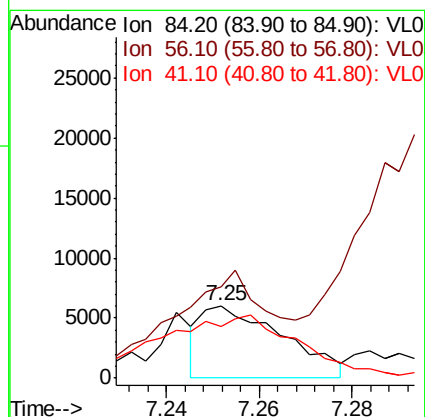
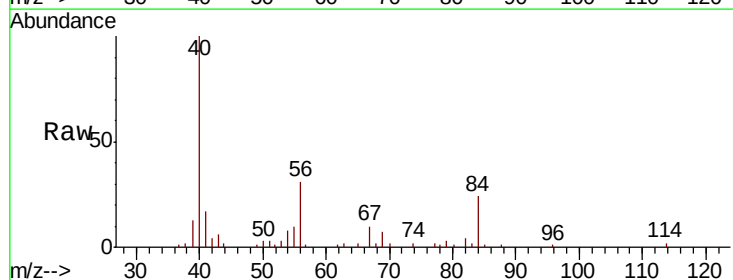
Instrument :
MSVOA_L
ClientSampleId :

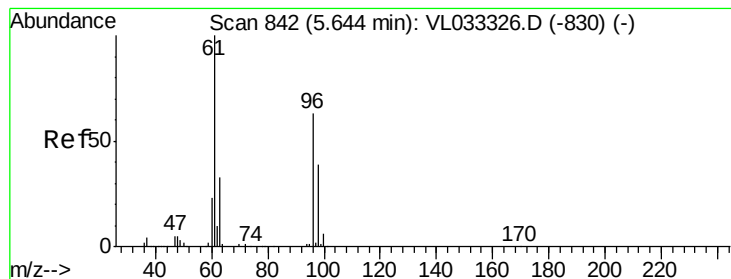
Tot Ion: 83 Resp: 4062
Ion Ratio Lower Upper
83 100
85 45.6 52.0 78.0#



#30
Cyclohexane
Concen: 0.131 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

Tgt Ion: 84 Resp: 7310
Ion Ratio Lower Upper
84 100
56 0.0 111.3 166.9#
41 156.2 69.6 104.4#



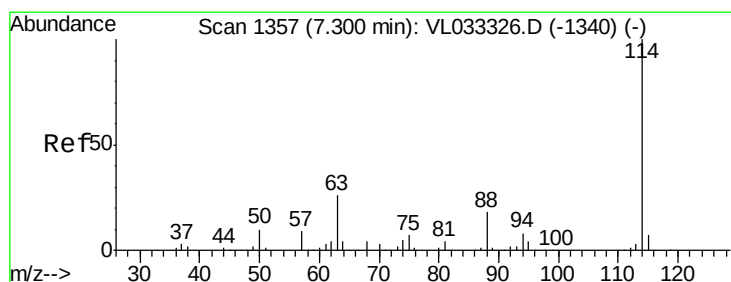
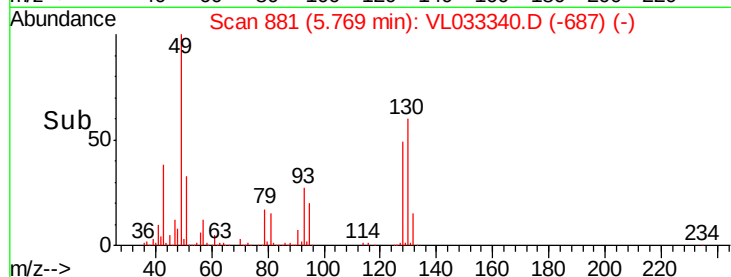
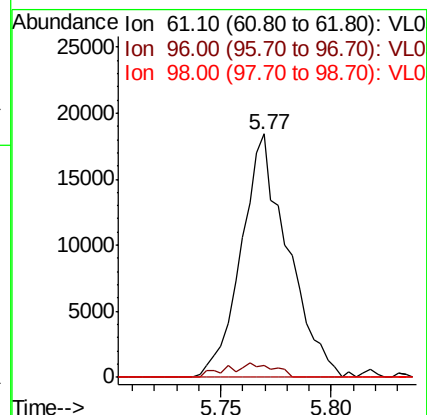
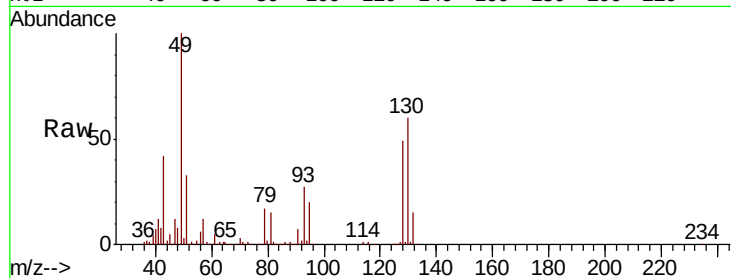


#31

cis-1,2-Dichloroethene
 Concen: 0.386 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. 0.13 min
 Lab File: VL033340.D
 Acq: 15 Mar 2019 21:00

Instrument :
 MSVOA_L
 ClientSampleId :

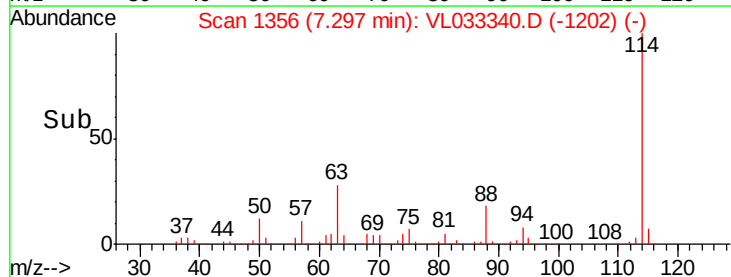
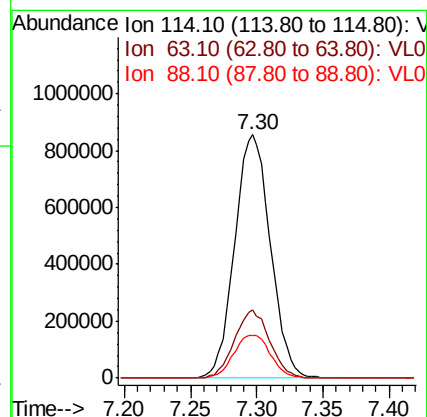
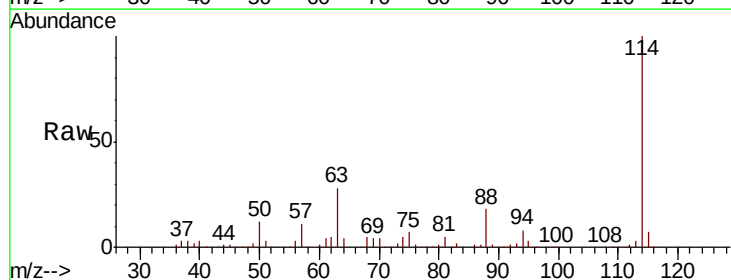
Tot Ion: 61 Resp: 26930
 Ion Ratio Lower Upper
 61 100
 96 5.2 50.3 75.5#
 98 0.0 31.5 47.3#

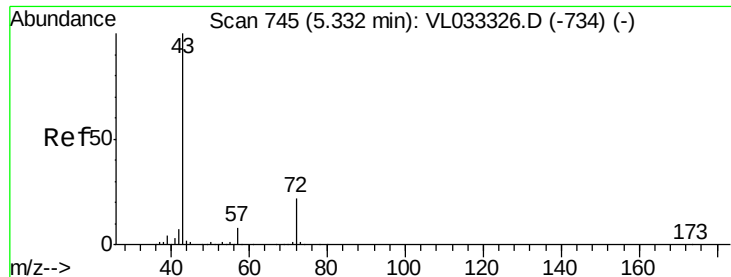


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033340.D
 Acq: 15 Mar 2019 21:00

Tgt Ion: 114 Resp: 1599893
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.4 32.2
 88 18.2 14.5 21.7

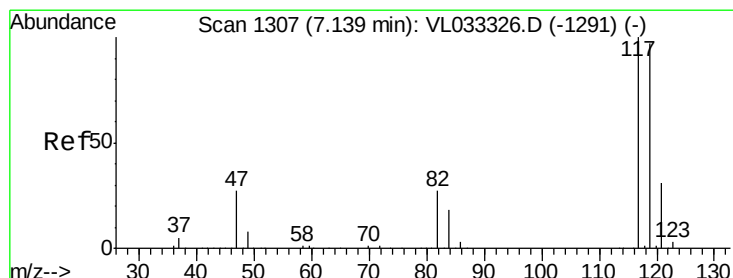
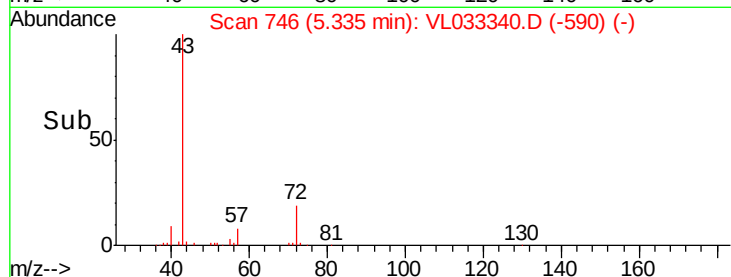
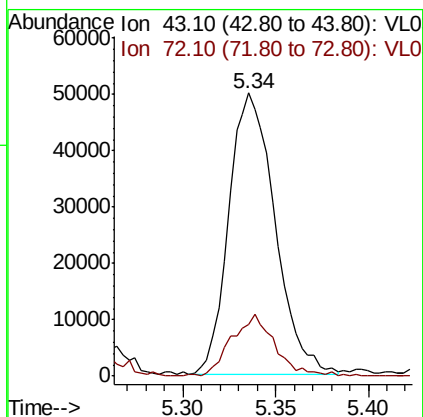
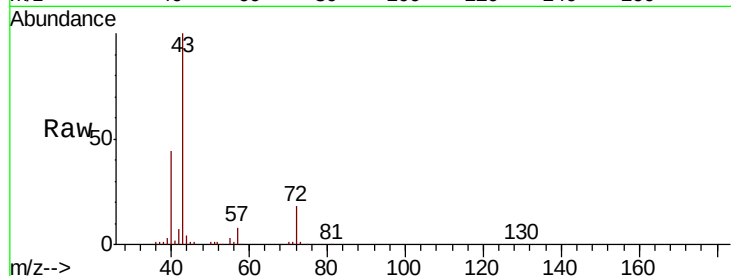




#34
2-Butanone
Concen: 0.816 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

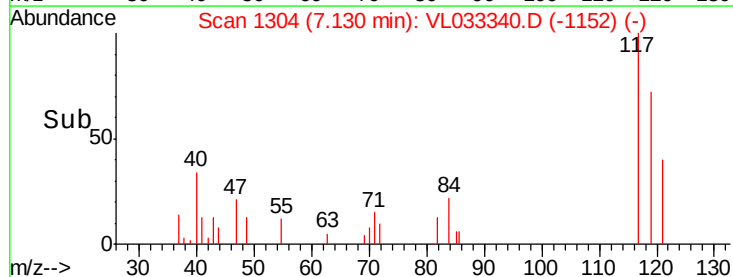
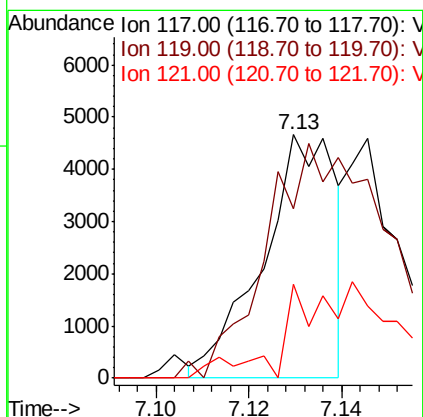
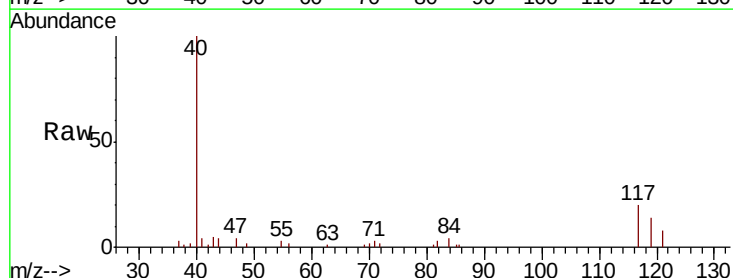
Instrument :
MSVOA_L
ClientSampled :

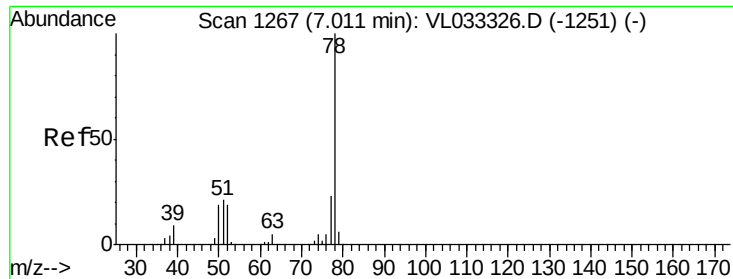
Tot Ion: 43 Resp: 85710
Ion Ratio Lower Upper
43 100
72 20.9 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

Tgt Ion: 117 Resp: 5096
Ion Ratio Lower Upper
117 100
119 65.4 77.4 116.0#
121 40.6 24.9 37.3#

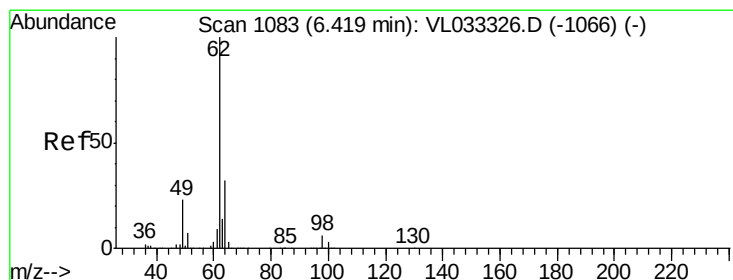
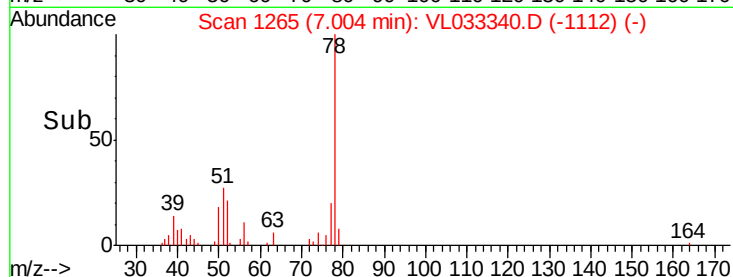
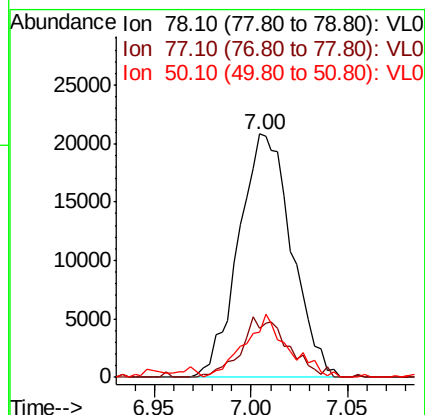
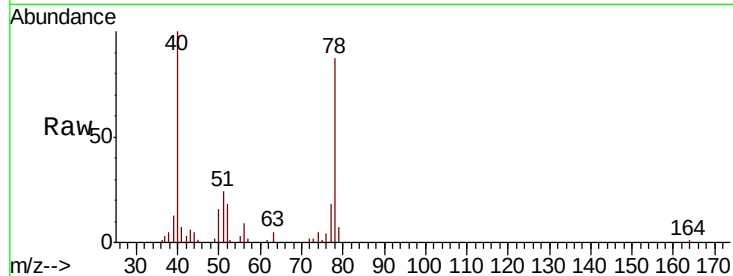




#36
Benzene
Concen: 0.276 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

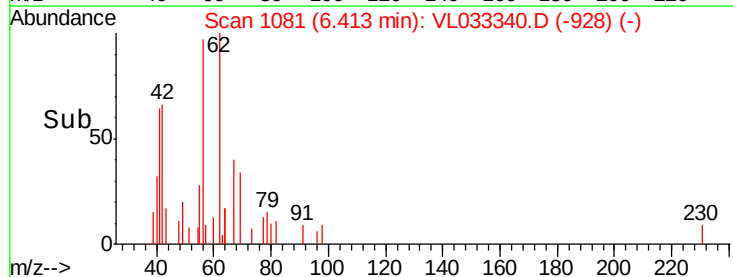
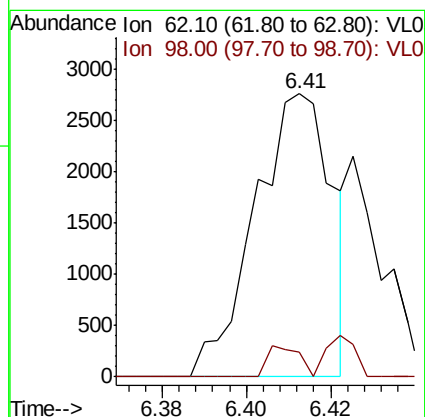
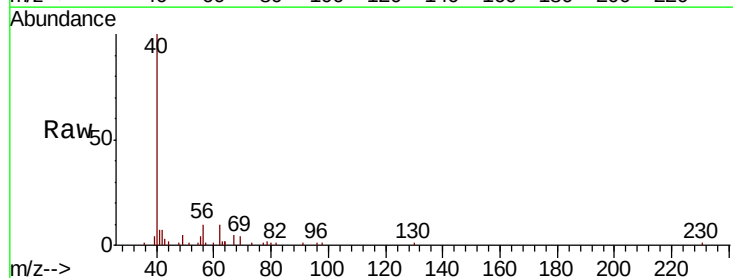
Instrument :
MSVOA_L
ClientSampleId :

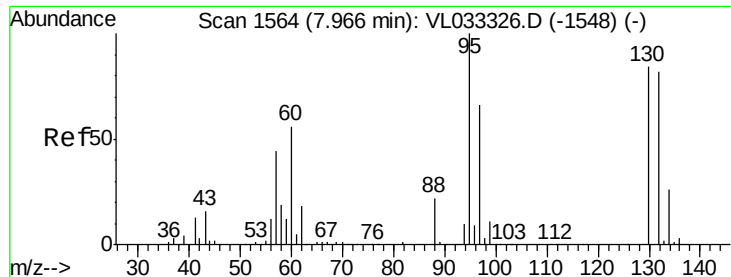
Tot Ion: 78 Resp: 39580
Ion Ratio Lower Upper
78 100
77 20.4 18.1 27.1
50 18.4 15.2 22.8



#37
1,2-Dichloroethane
Concen: 0.039 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

Tgt Ion: 62 Resp: 3495
Ion Ratio Lower Upper
62 100
98 0.0 4.5 6.7#





#38

Trichloroethene

Concen: 0.037 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 2009

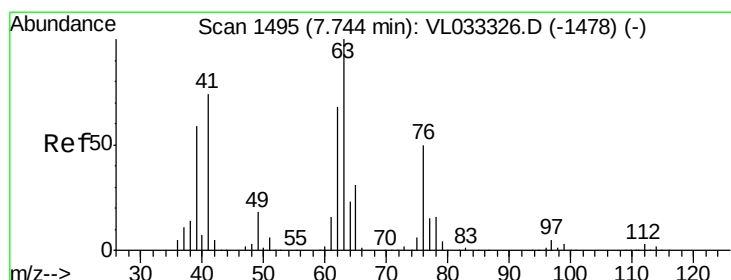
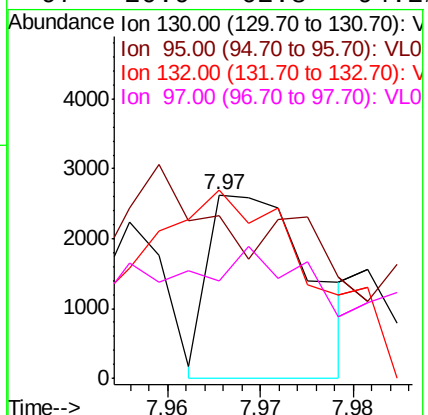
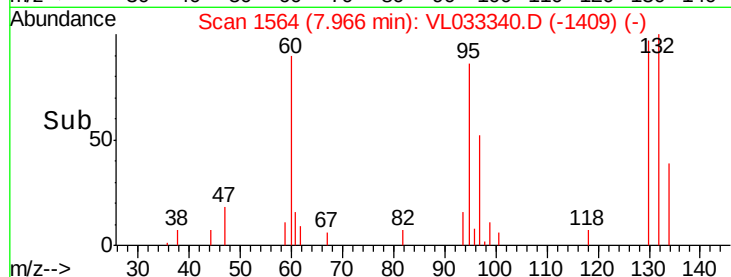
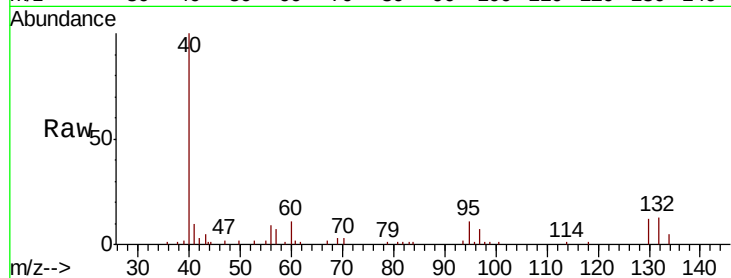
Ion Ratio Lower Upper

130 100

95 35.4 95.2 142.8#

132 61.1 77.7 116.5#

97 20.9 62.8 94.2#



#39

1,2-Dichloropropane

Concen: 8.140 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

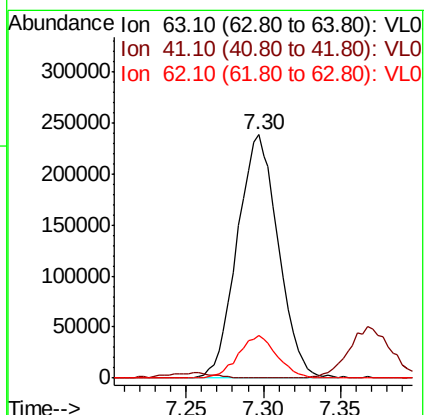
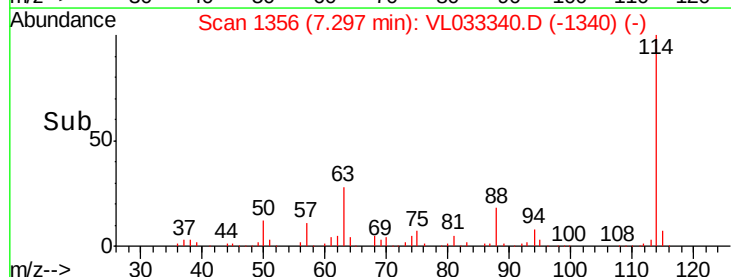
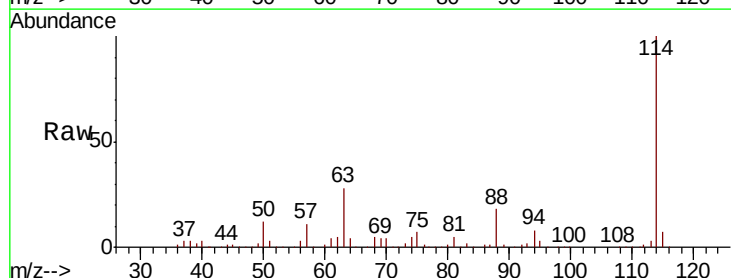
Tgt Ion: 63 Resp: 436444

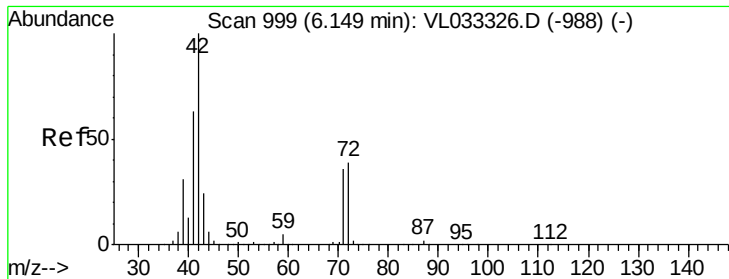
Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

62 17.4 54.7 82.1#





#41

Tetrahydrofuran

Concen: 0.037 ppbv

RT: 6.13 min Scan# 992

Delta R.T. -0.02 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampled :

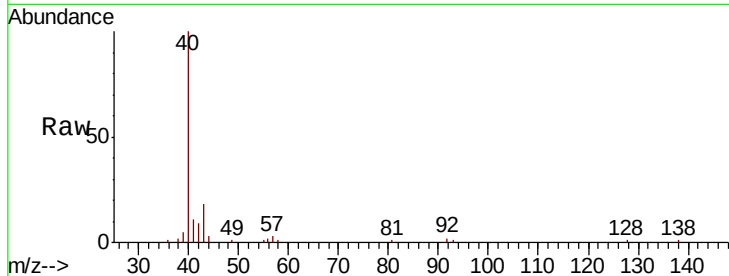
Tot Ion: 42 Resp: 2083

Ion Ratio Lower Upper

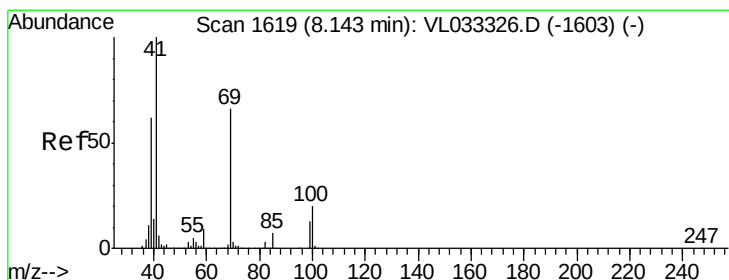
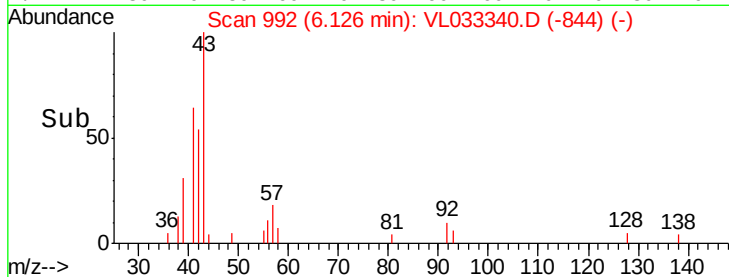
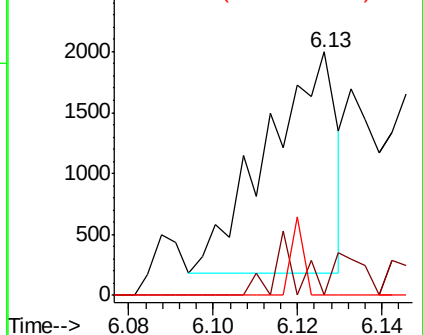
42 100

72 79.3 31.6 47.4#

71 45.6 29.9 44.9#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 0.208 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

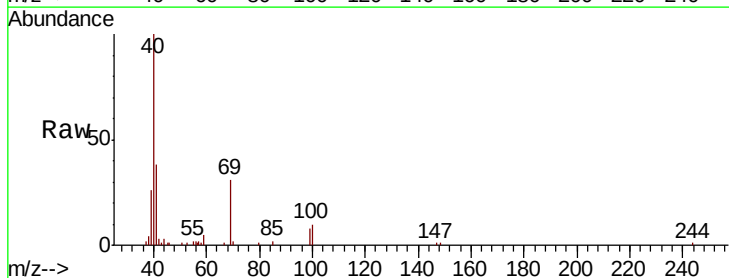
Tgt Ion: 69 Resp: 11579

Ion Ratio Lower Upper

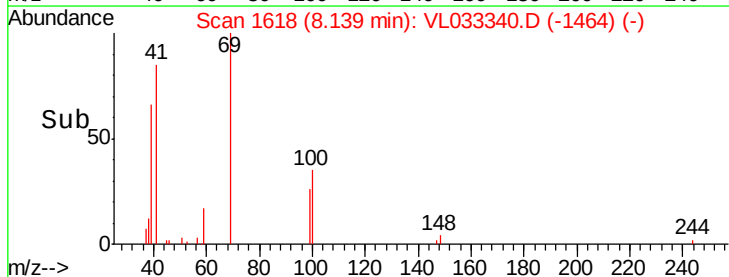
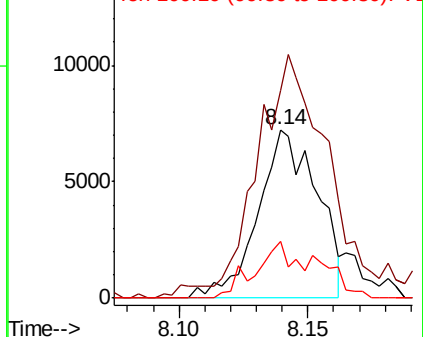
69 100

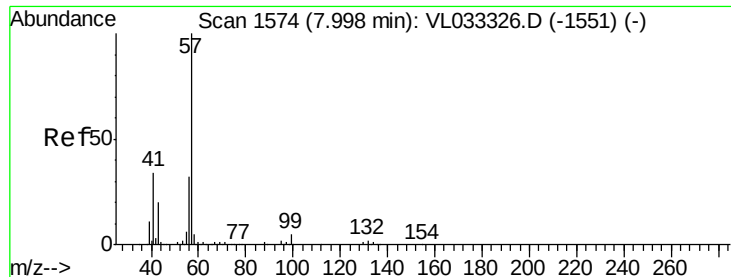
41 177.4 119.5 179.3

100 34.6 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: 0.109 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

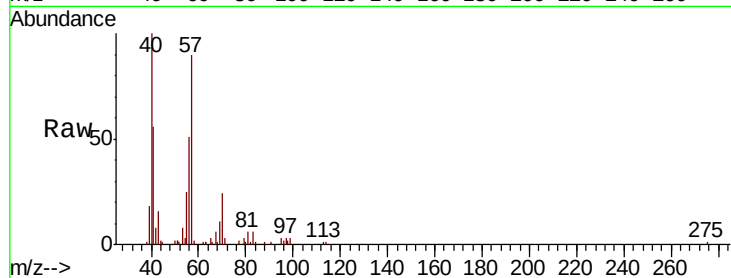
Tot Ion: 57 Resp: 25917

Ion Ratio Lower Upper

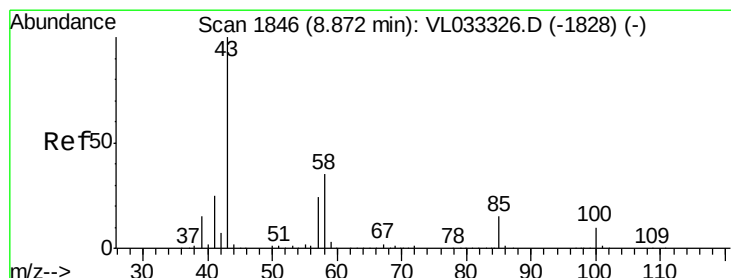
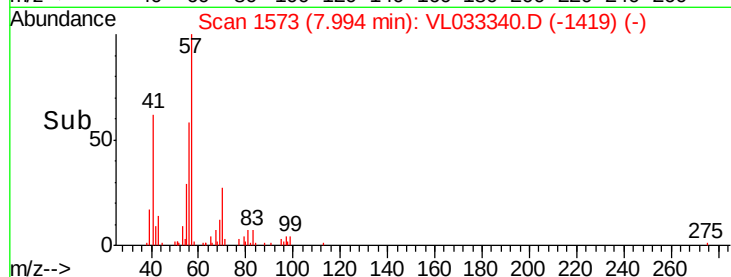
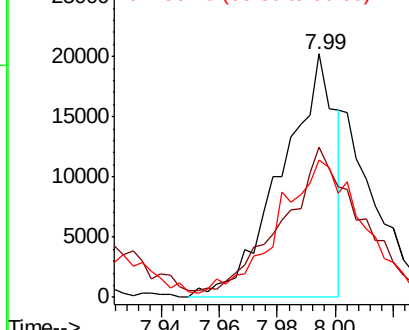
57 100

41 95.8 26.0 39.0#

56 91.1 24.6 36.8#



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



#50

4-Methyl-2-Pentanone

Concen: 0.724 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL033340.D

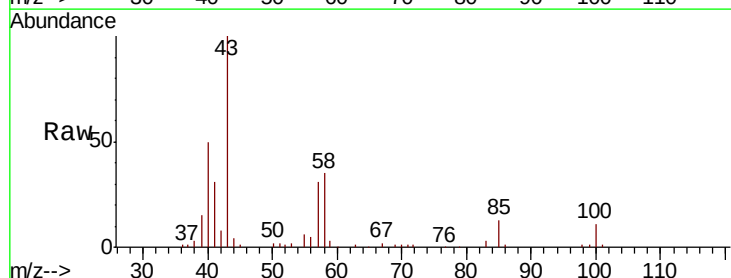
Acq: 15 Mar 2019 21:00

Tgt Ion: 43 Resp: 107496

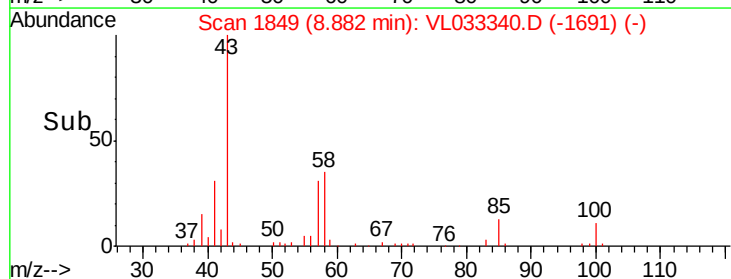
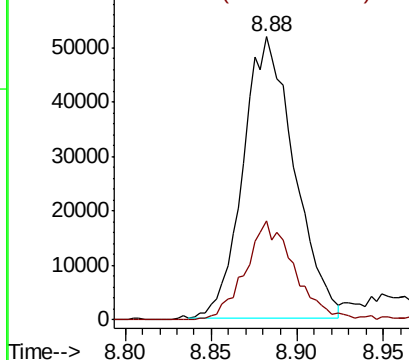
Ion Ratio Lower Upper

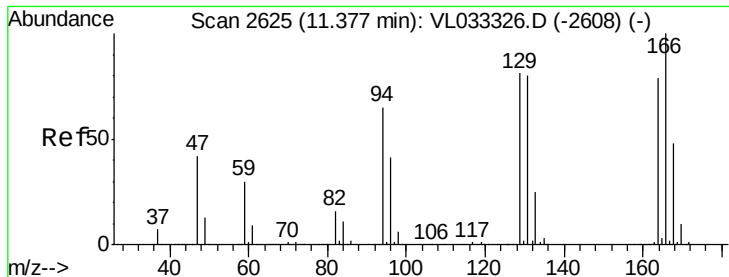
43 100

58 33.6 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

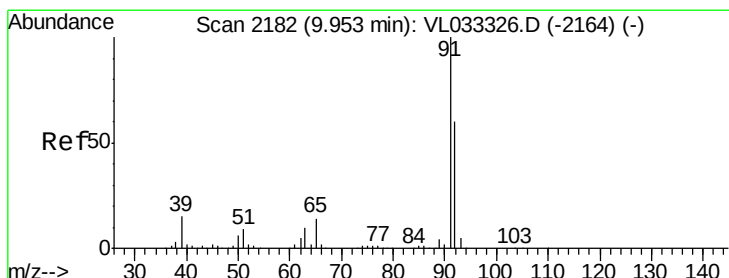
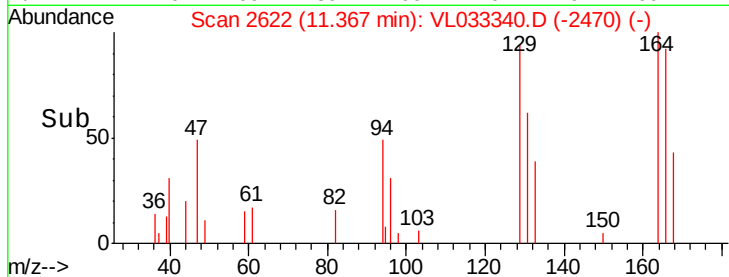
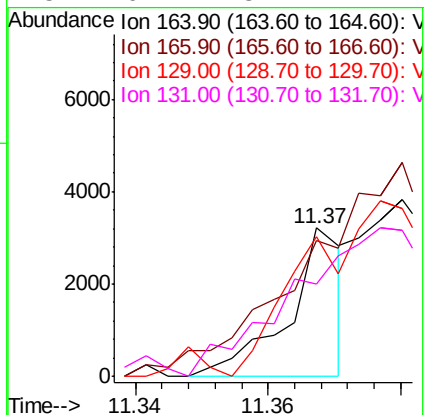
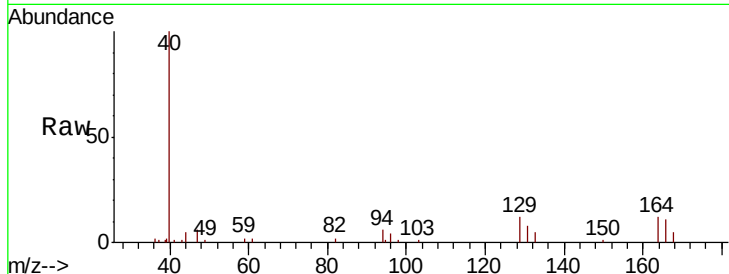




#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

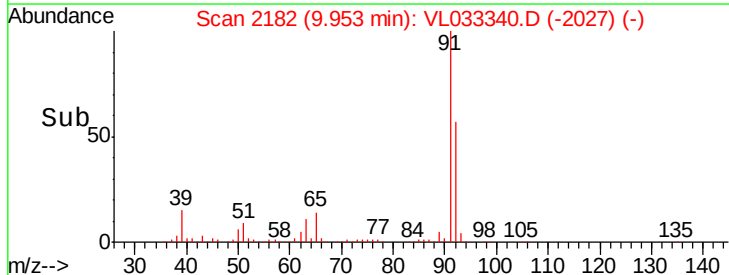
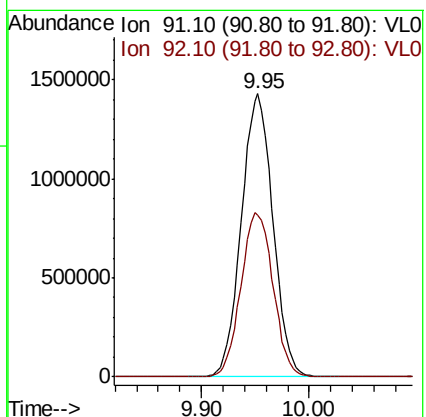
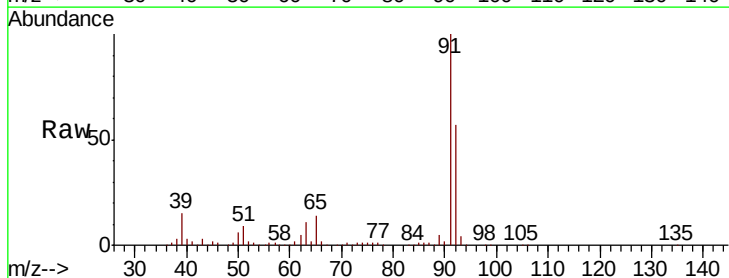
Instrument :
MSVOA_L
ClientSampleId :

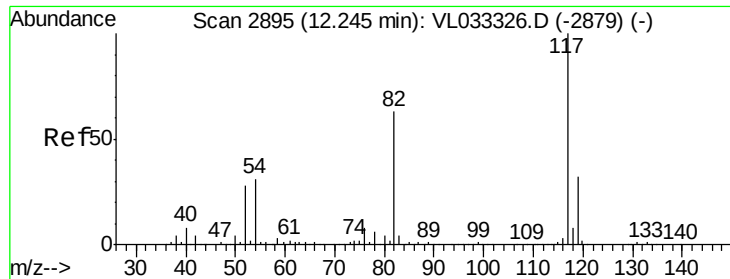
Tot Ion:164 Resp: 1827
Ion Ratio Lower Upper
164 100
166 74.4 101.5 152.3#
129 74.7 82.2 123.2#
131 62.2 81.1 121.7#



#53
Toluene
Concen: 17.876 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

Tgt Ion: 91 Resp: 2908379
Ion Ratio Lower Upper
91 100
92 59.2 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

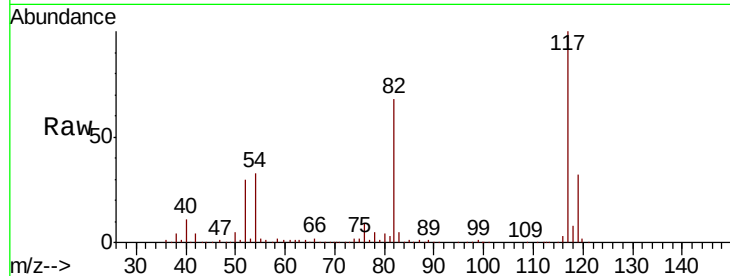
Tot Ion:117 Resp: 1693494

Ion Ratio Lower Upper

117 100

82 68.4 53.4 80.2

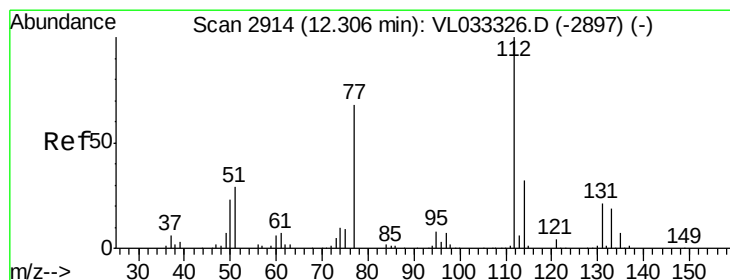
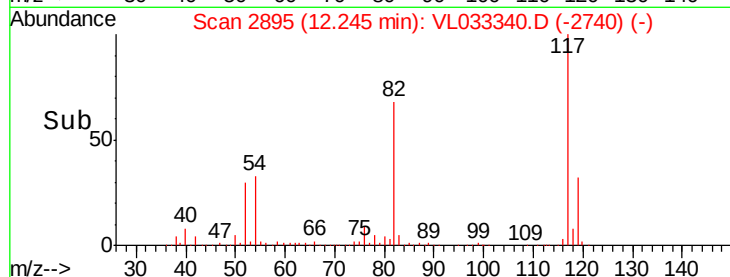
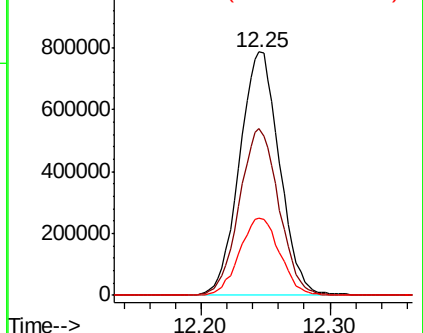
119 32.2 27.3 40.9



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



#57

Chlorobenzene

Concen: 0.026 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

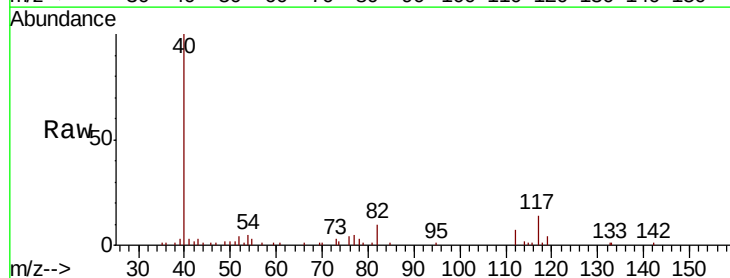
Tgt Ion:112 Resp: 3445

Ion Ratio Lower Upper

112 100

77 52.9 55.8 83.6#

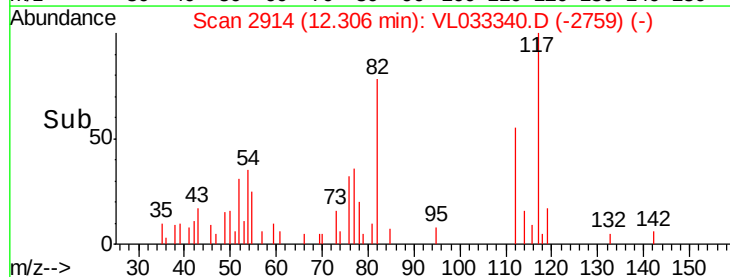
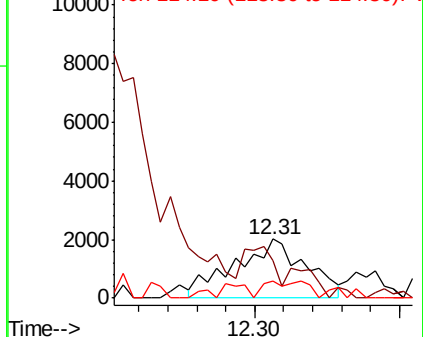
114 43.8 28.6 35.0#

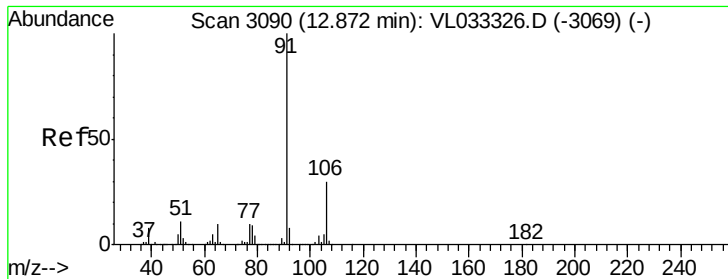


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.345 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

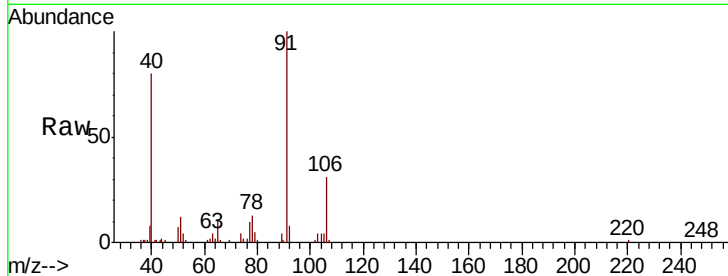
ClientSampleId :

Tot Ion: 91 Resp: 82629

Ion Ratio Lower Upper

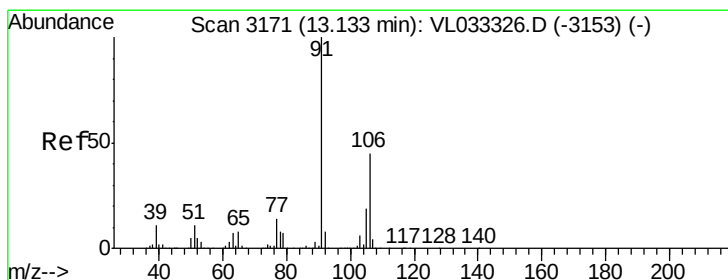
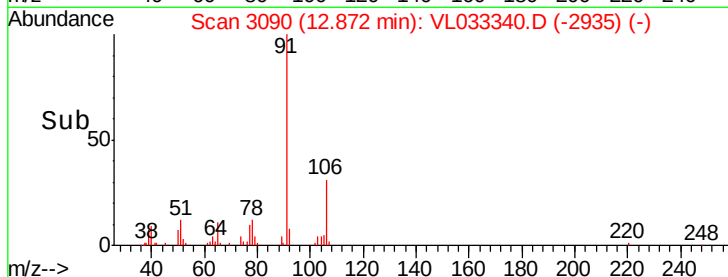
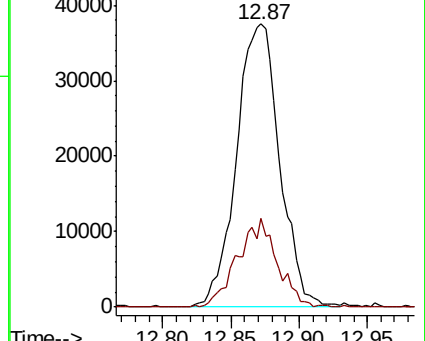
91 100

106 31.2 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.129 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL033340.D

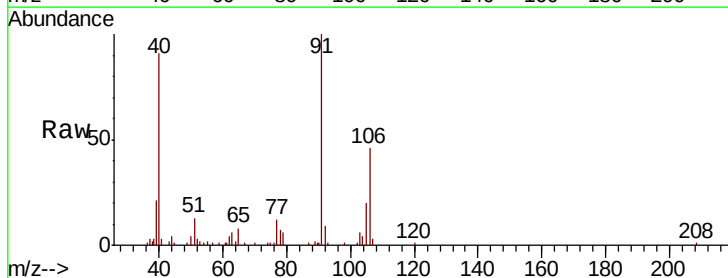
Acq: 15 Mar 2019 21:00

Tgt Ion: 91 Resp: 26469

Ion Ratio Lower Upper

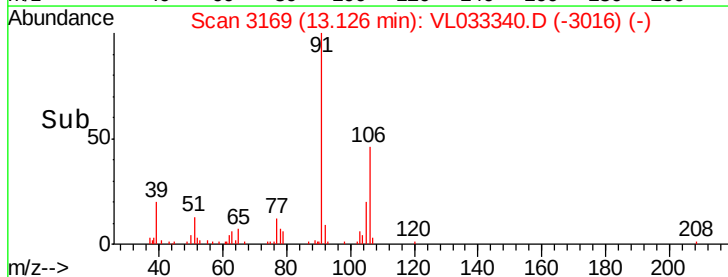
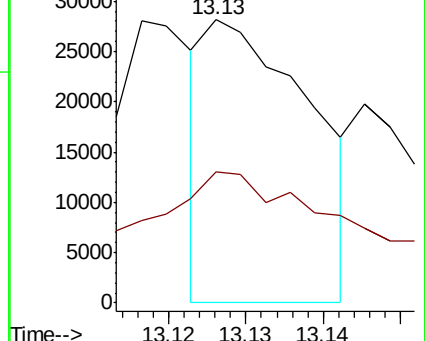
91 100

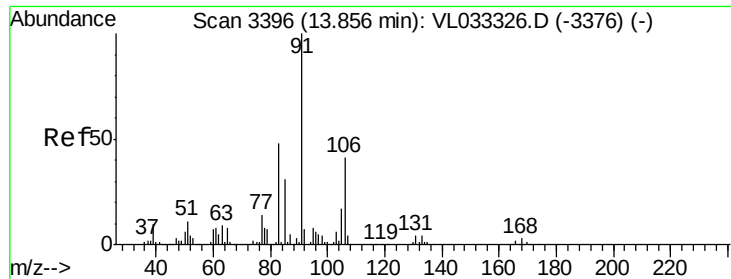
106 137.1 0.0 0.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

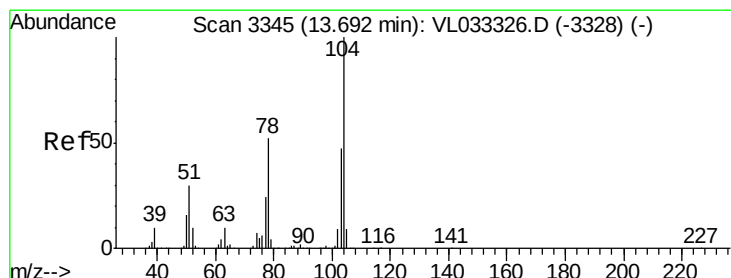
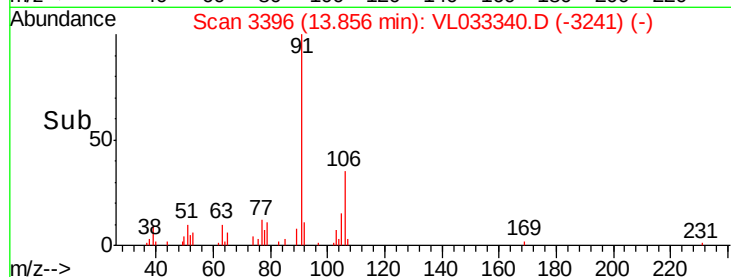
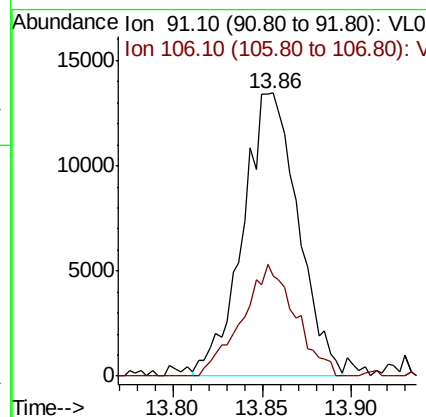
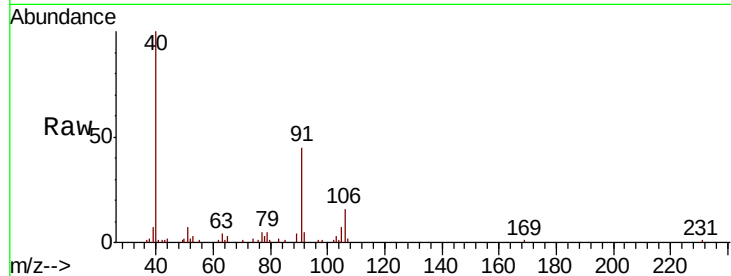




#60
o-Xylene
Concen: 0.145 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

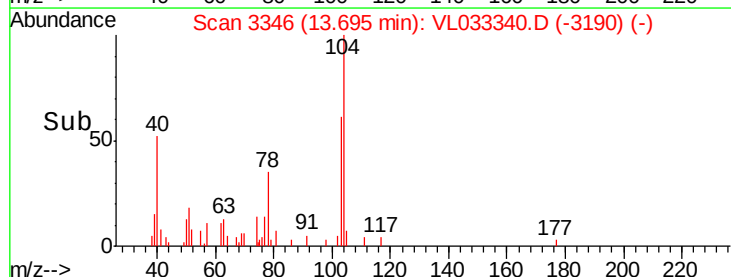
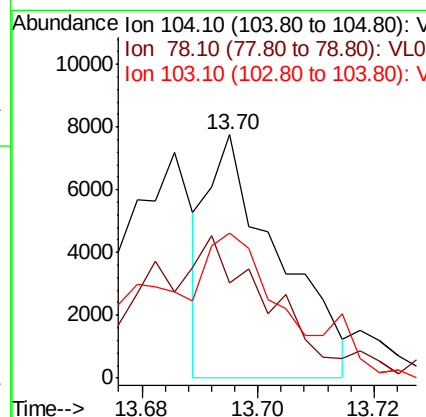
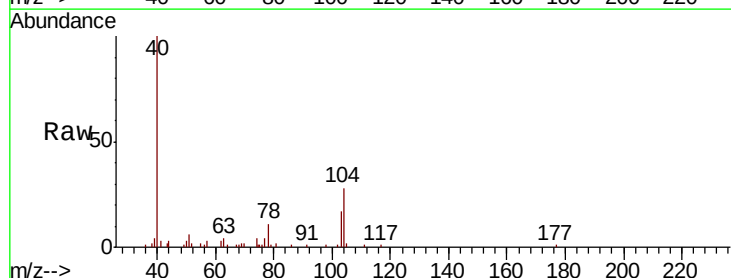
Instrument :
MSVOA_L
ClientSampleId :

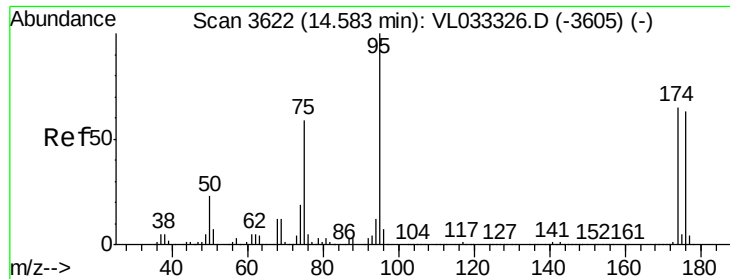
Tot Ion: 91 Resp: 29191
Ion Ratio Lower Upper
91 100
106 38.3 21.3 63.9



#61
Styrene
Concen: 0.046 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033340.D
Acq: 15 Mar 2019 21:00

Tgt Ion: 104 Resp: 6507
Ion Ratio Lower Upper
104 100
78 128.1 42.7 64.1#
103 127.2 38.0 57.0#

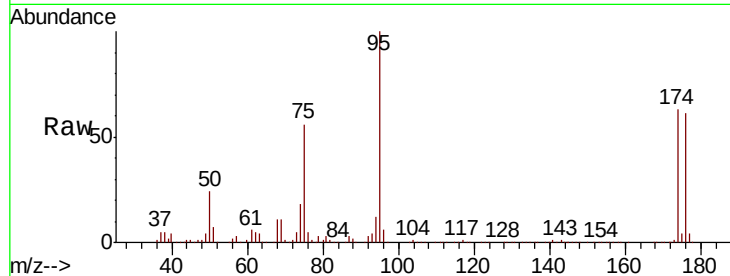




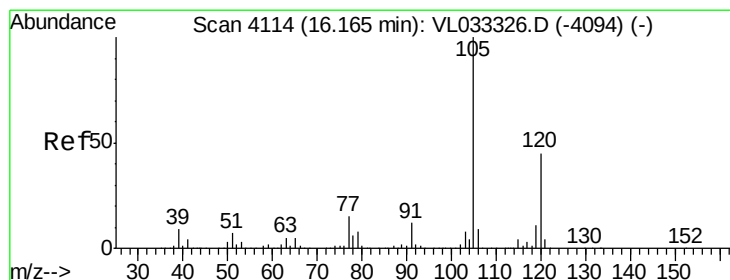
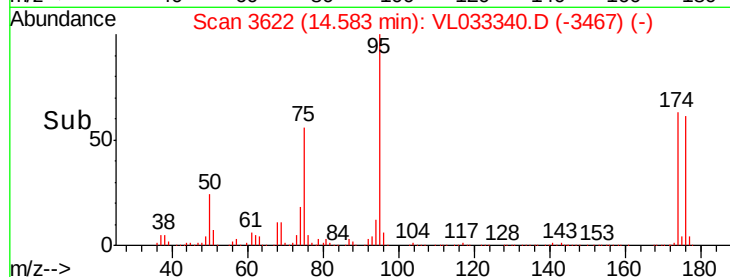
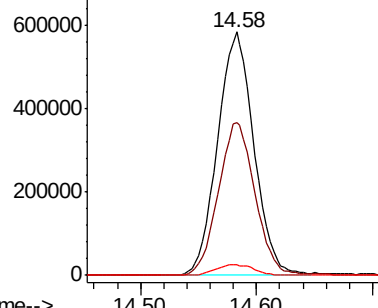
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.160 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033340.D
 Acq: 15 Mar 2019 21:00

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 1274926
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.5 77.3
 175 4.7 3.8 5.6

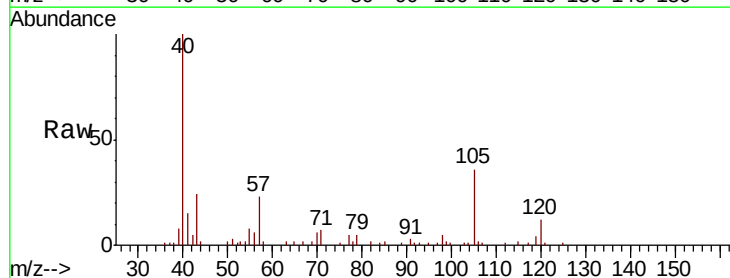


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

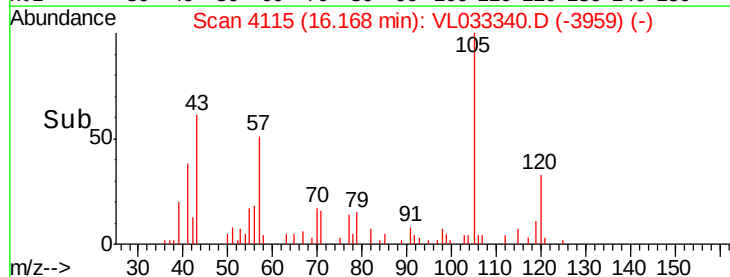
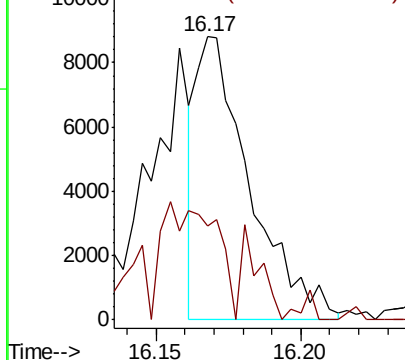


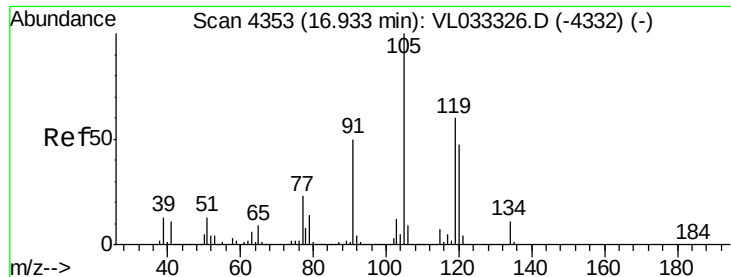
#73
 1,3,5-Trimethylbenzene
 Concen: 0.051 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL033340.D
 Acq: 15 Mar 2019 21:00

Tgt Ion:105 Resp: 11318
 Ion Ratio Lower Upper
 105 100
 120 37.5 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: 0.171 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033340.D

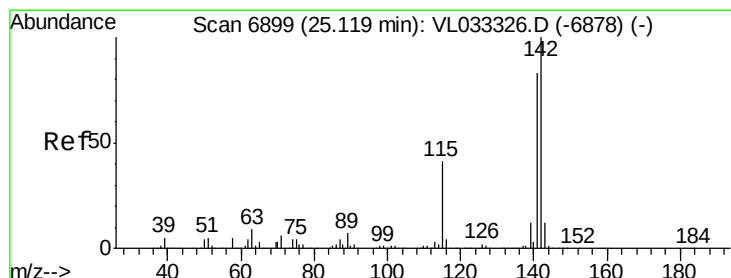
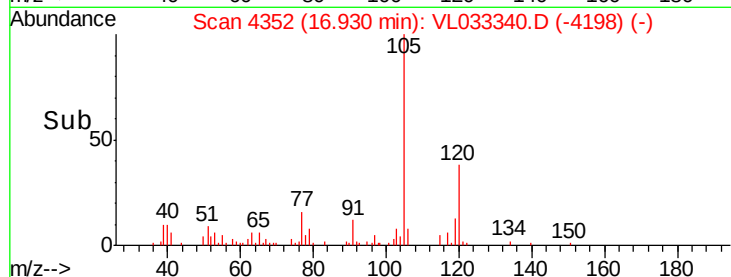
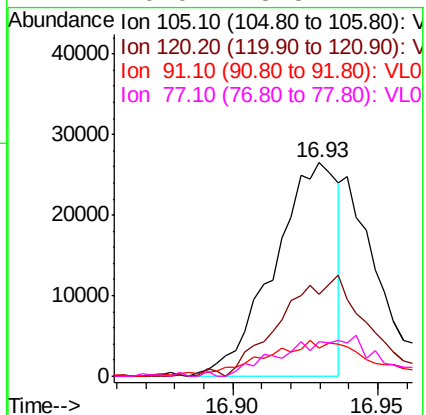
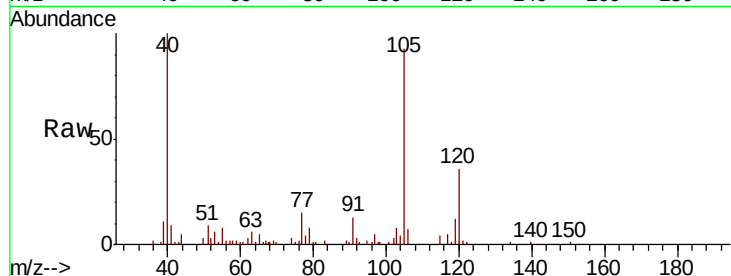
Acq: 15 Mar 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	40331
Ion	Ratio	Lower	Upper
105	100		
120	38.4	37.4	56.2
91	14.6	41.0	61.4#
77	16.0	18.5	27.7#



#80

Naphthalene, 2-methyl-

Concen: 0.044 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL033340.D

Acq: 15 Mar 2019 21:00

Tgt Ion:	142	Resp:	4720
Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.1	100.7
115	49.1	33.8	50.6

