

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\
 Data File : VL033164.D
 Acq On : 4 Feb 2019 21:14
 Operator : SY/AP
 Sample : K1267-05DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA1DUP

Quant Time: Feb 05 01:06:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 04 14:41:39 2019
 QLast Update : Mon Feb 04 14:41:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1263576	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.30	114	2856009	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2779004	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2150091	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	68806	0.370	ppbv #	87
3) Chlorodifluoromethane	2.99	51	82535	0.586	ppbv #	76
4) Chloromethane	3.18	50	8801	0.111	ppbv	96
9) Propene	3.24	41	149215	2.110	ppbv	97
10) Heptane	8.25	43	120140	0.545	ppbv	97
11) Trichlorofluoromethane	4.01	101	42278	0.235	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	4487	0.038	ppbv #	26
13) Ethanol	3.66	45	2232567	80.089	ppbv	98
15) Acetone	3.90	43	14187942	94.309	ppbv #	84
16) 1,3-Butadiene	3.37	39	3720	0.061	ppbv #	1
17) tert-Butyl alcohol	4.37	59	308967	9.299	ppbv	98
19) Isopropyl Alcohol	4.04	45	2107120	19.719	ppbv #	43
20) Methylene Chloride	4.42	84	140681	2.714	ppbv	96
21) Allyl Chloride	4.44	41	7188	0.079	ppbv #	26
23) Vinyl Acetate	5.19	43	84221	0.344	ppbv #	49
25) Ethyl Acetate	5.78	43	270883	0.871	ppbv #	92
26) Hexane	5.78	57	247863	1.704	ppbv #	57
28) Methyl tert-Butyl Ether	5.11	73	10399	0.049	ppbv #	53
30) Cyclohexane	7.25	84	30613	0.219	ppbv #	1
34) 2-Butanone	5.33	43	2458387	13.686	ppbv	100
36) Benzene	7.01	78	241713	0.837	ppbv	97
37) 1,2-Dichloroethane	6.42	62	32554	0.221	ppbv	100
39) 1,2-Dichloropropane	7.30	63	728602	6.579	ppbv #	27
40) 1,4-Dioxane	7.97	88	3858	0.089	ppbv #	1
41) Tetrahydrofuran	6.12	42	751311	6.732	ppbv #	42
44) 2,2,4-Trimethylpentane	7.99	57	107258	0.221	ppbv #	86
50) 4-Methyl-2-Pentanone	8.87	43	747315	2.298	ppbv	100
51) 2-Hexanone	10.27	43	510640	1.873	ppbv #	99
52) Tetrachloroethene	11.38	164	36275	0.362	ppbv	88
53) Toluene	9.95	91	2410860	7.031	ppbv	99
58) Ethyl Benzene	12.86	91	216979	0.496	ppbv	99
59) m/p-Xylene	13.12	91	968928	2.706	ppbv	98
60) o-Xylene	13.85	91	333748	1.010	ppbv	94
61) Styrene	13.69	104	105679	0.400	ppbv	95
62) Isopropylbenzene	14.83	105	2584027	5.479	ppbv	99
64) n-propylbenzene	15.72	120	6284	0.051	ppbv #	1
65) tert-Butylbenzene	16.92	119	17121	0.040	ppbv #	1
69) p-Isopropyltoluene	17.82	119	18405	0.037	ppbv #	26
72) 4-Ethyltoluene	16.00	105	101497	0.257	ppbv	97
73) 1,3,5-Trimethylbenzene	16.16	105	74803	0.196	ppbv	93
74) 1,2,4-Trimethylbenzene	16.93	105	255572	0.658	ppbv #	74

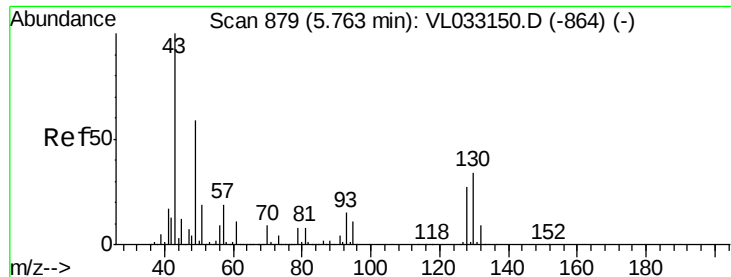
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 04 14:41:39 2019
QLast Update : Mon Feb 04 14:41:39 2019
Response 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# 881

Delta R.T. 0.01 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

SSA1DUP

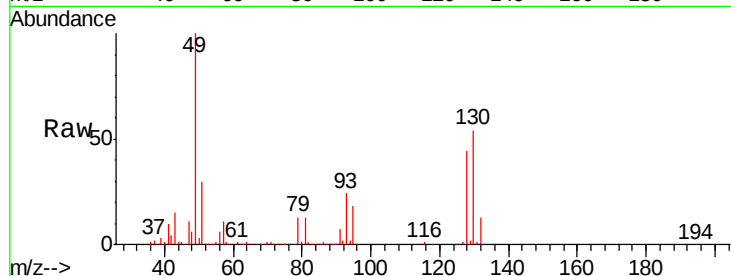
Tgt Ion: 49 Resp: 1263576

Ion Ratio Lower Upper

49 100

128 45.2 23.2 69.5

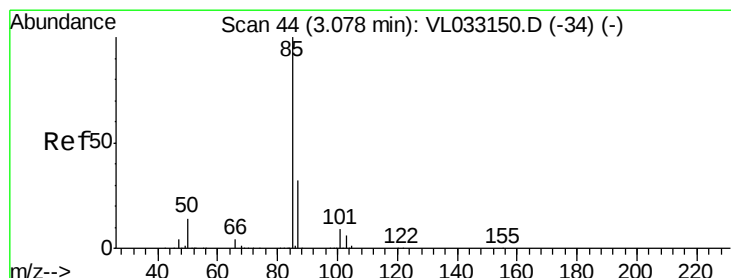
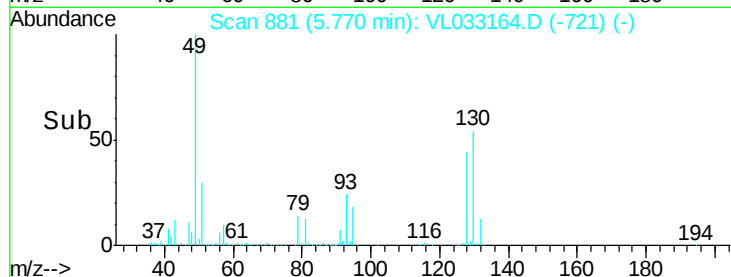
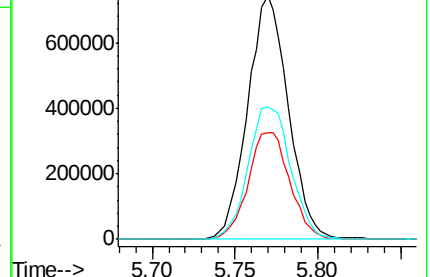
130 58.0 29.5 88.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.370 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.01 min

Lab File: VL033164.D

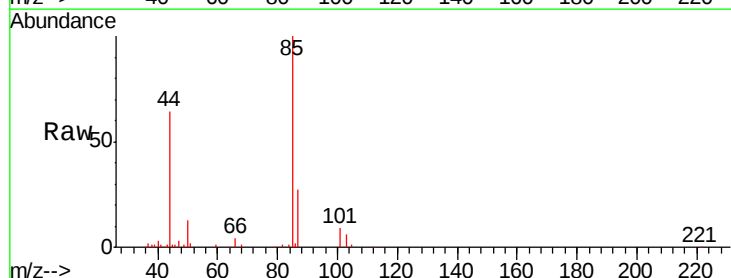
Acq: 4 Feb 2019 21:14

Tgt Ion: 85 Resp: 68806

Ion Ratio Lower Upper

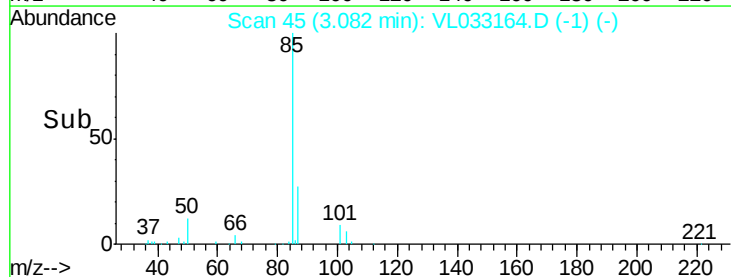
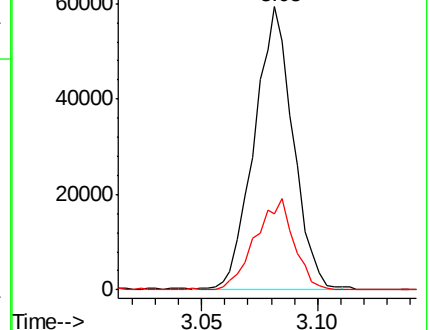
85 100

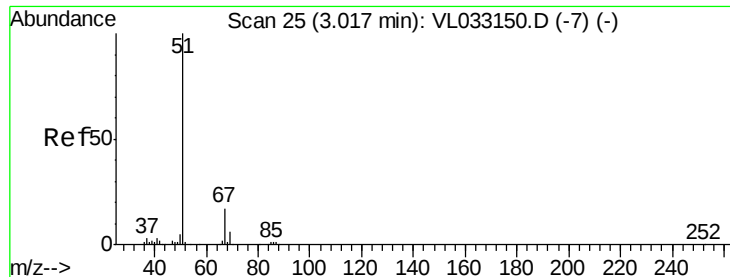
87 26.8 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

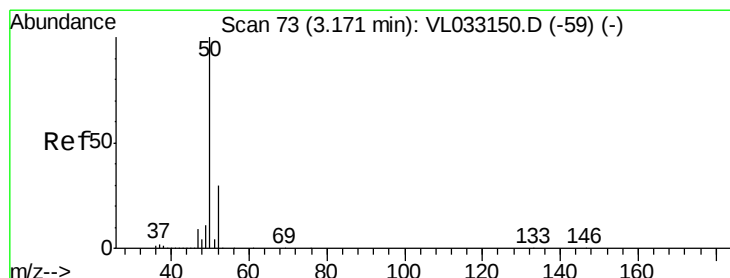
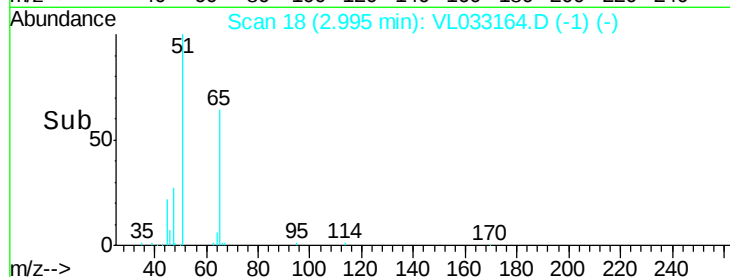
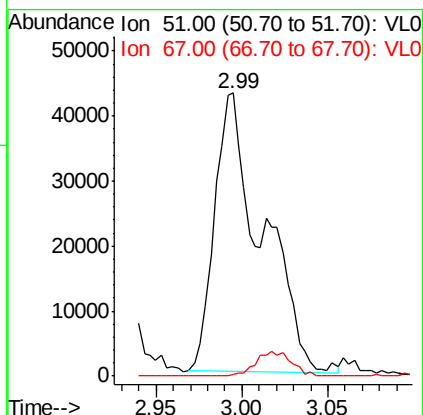
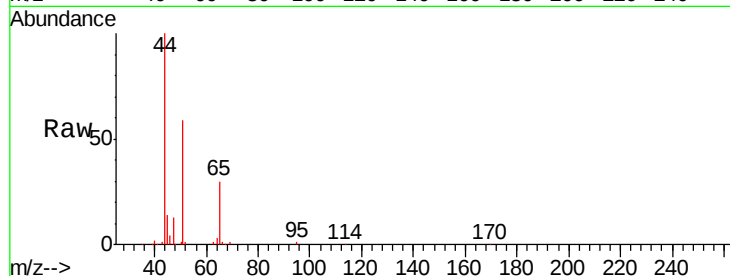




#3
Chlorodifluoromethane
Concen: 0.586 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.02 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

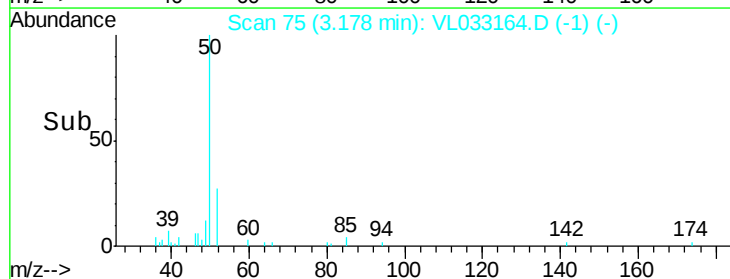
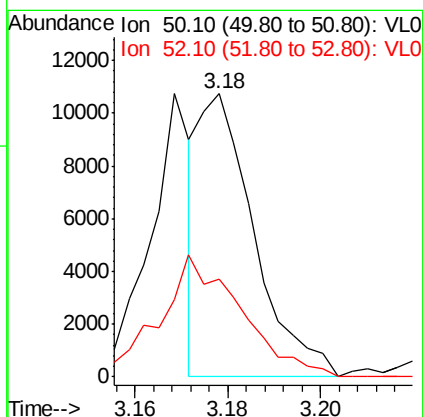
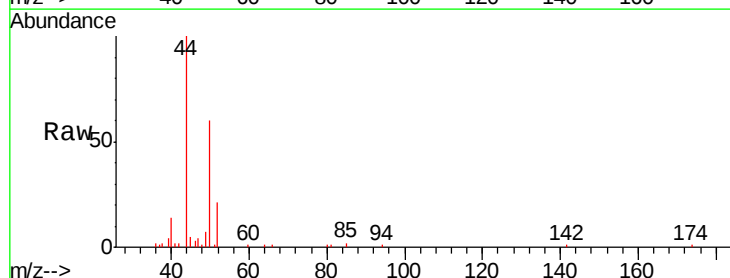
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

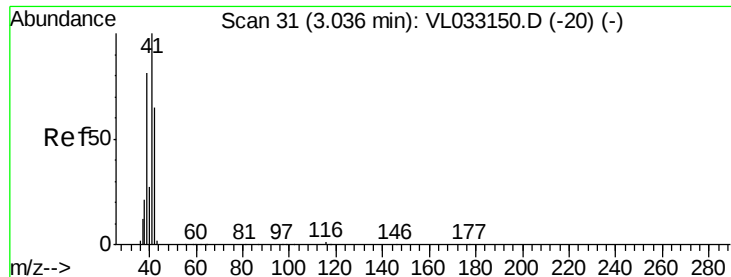
Tgt Ion: 51 Resp: 82535
Ion Ratio Lower Upper
51 100
67 6.5 13.4 20.2#



#4
Chloromethane
Concen: 0.111 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion: 50 Resp: 8801
Ion Ratio Lower Upper
50 100
52 34.6 25.7 38.5





#9

Propene

Concen: 2.110 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.21 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

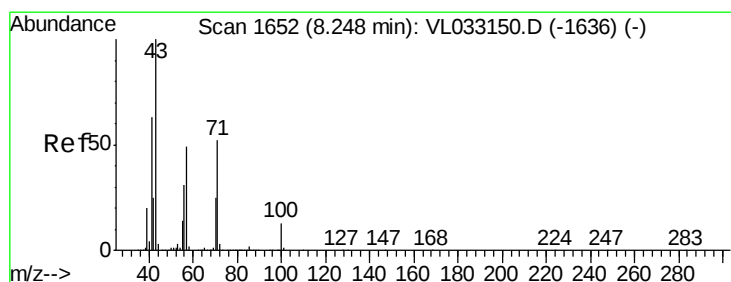
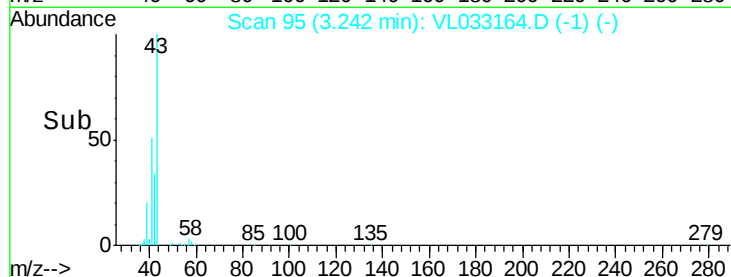
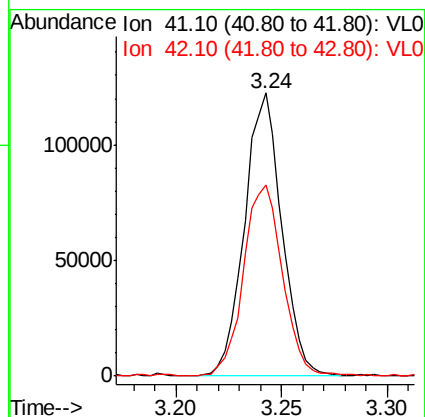
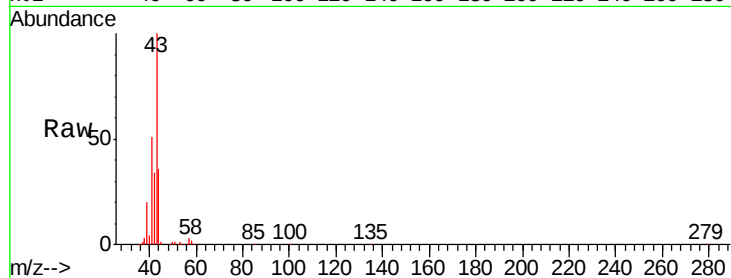
SSA1DUP

Tgt Ion: 41 Resp: 149215

Ion Ratio Lower Upper

41 100

42 71.0 55.1 82.7



#10

Heptane

Concen: 0.545 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VL033164.D

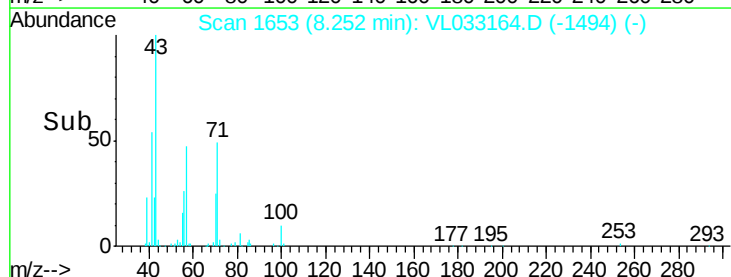
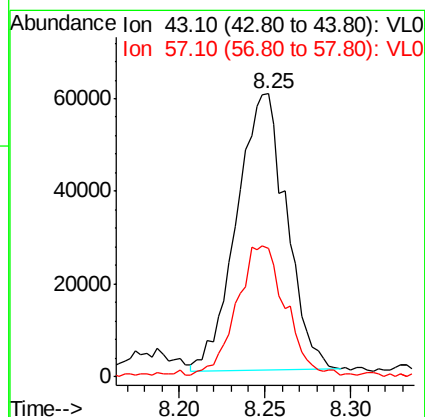
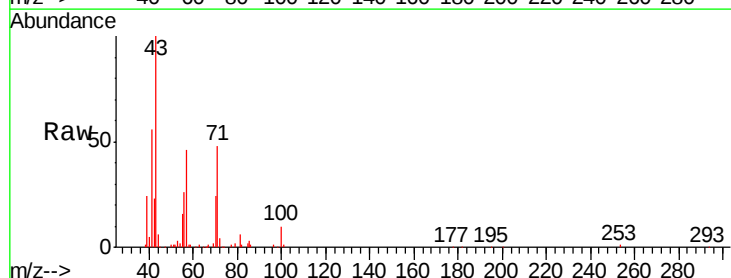
Acq: 4 Feb 2019 21:14

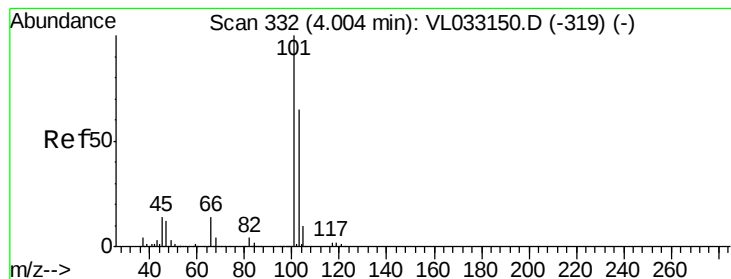
Tgt Ion: 43 Resp: 120140

Ion Ratio Lower Upper

43 100

57 47.3 39.3 58.9





#11

Trichlorofluoromethane

Concen: 0.235 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

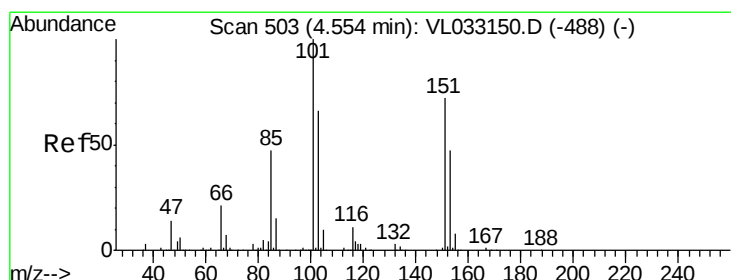
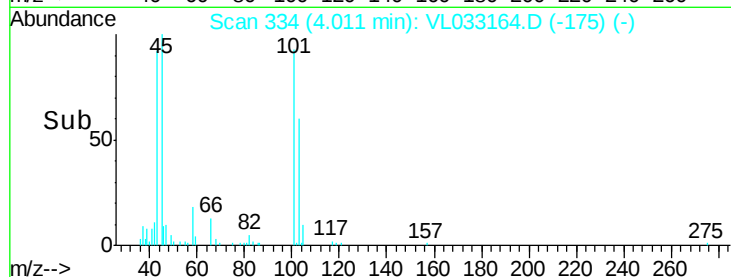
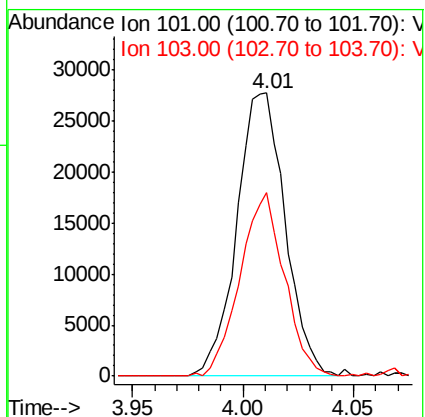
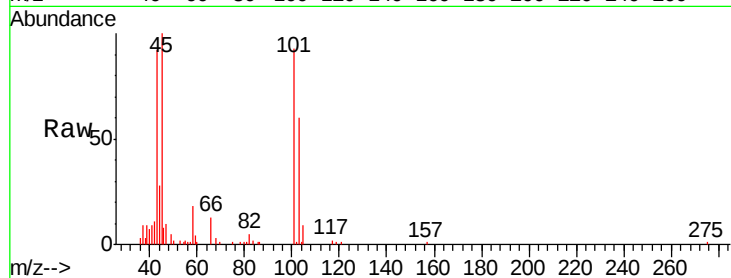
SSA1DUP

Tgt Ion:101 Resp: 42278

Ion Ratio Lower Upper

101 100

103 64.8 51.3 76.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.01 min

Lab File: VL033164.D

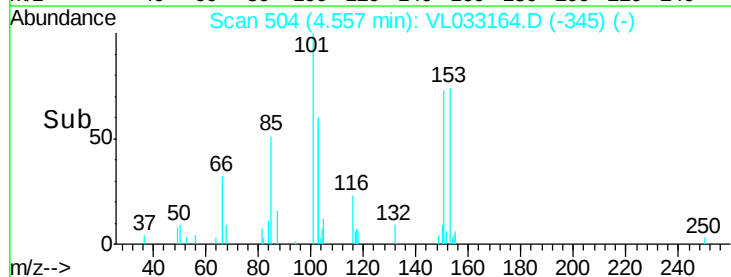
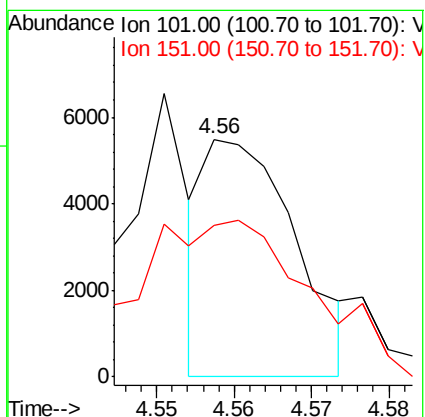
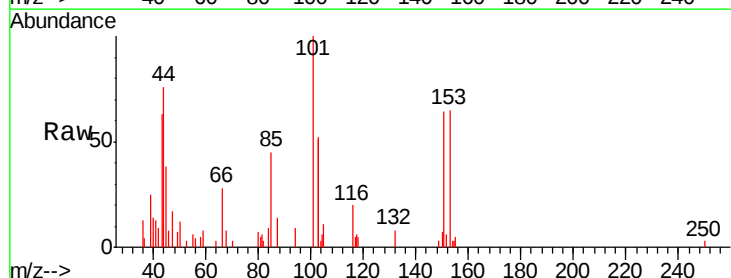
Acq: 4 Feb 2019 21:14

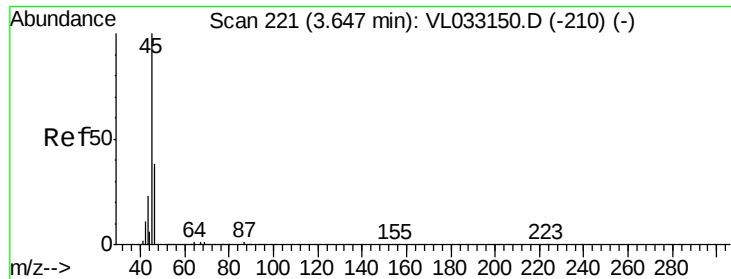
Tgt Ion:101 Resp: 4487

Ion Ratio Lower Upper

101 100

151 134.6 57.9 86.9#





#13

Ethanol

Concen: 80.089 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.02 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

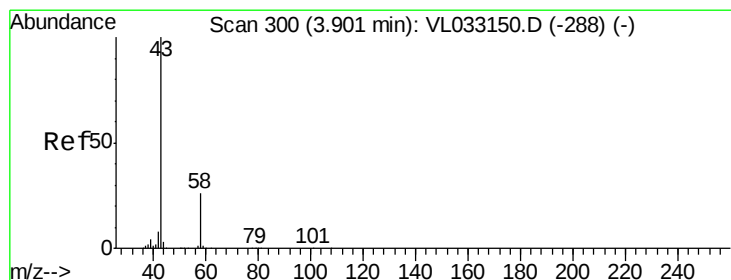
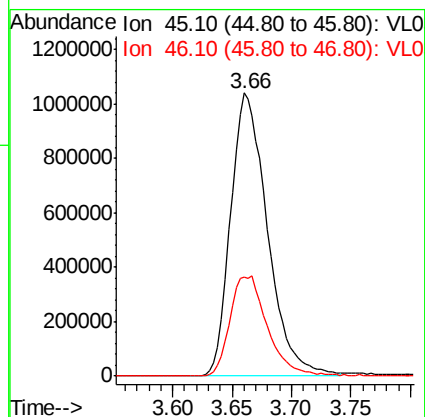
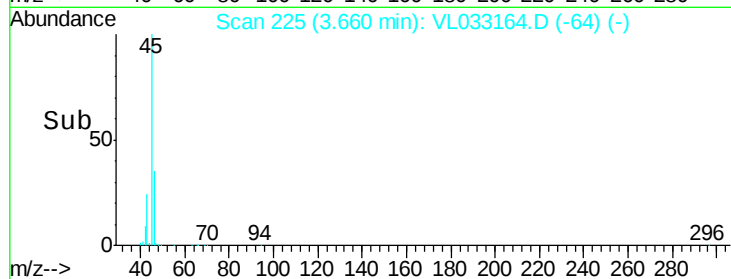
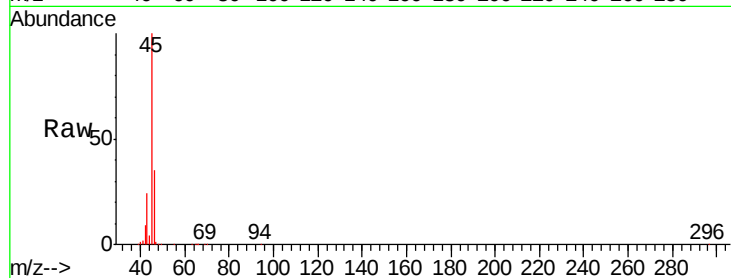
SSA1DUP

Tgt Ion: 45 Resp: 2232567

Ion Ratio Lower Upper

45 100

46 36.0 14.0 56.2



#15

Acetone

Concen: 94.309 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033164.D

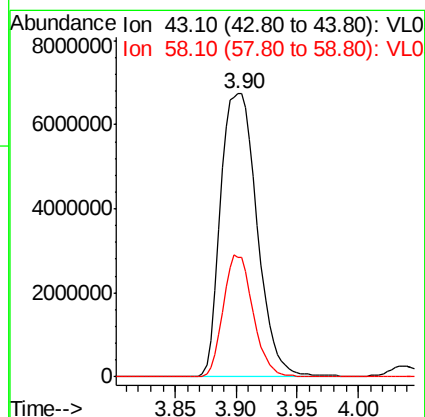
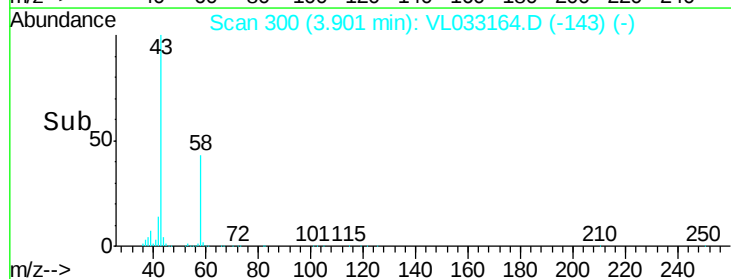
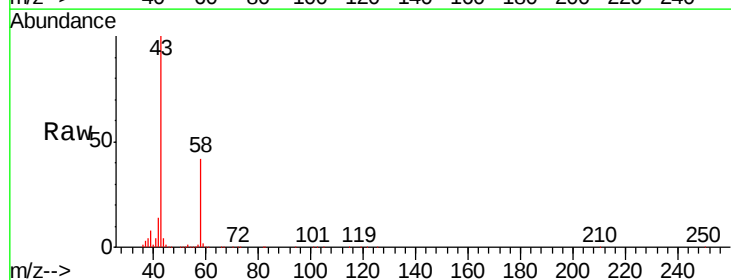
Acq: 4 Feb 2019 21:14

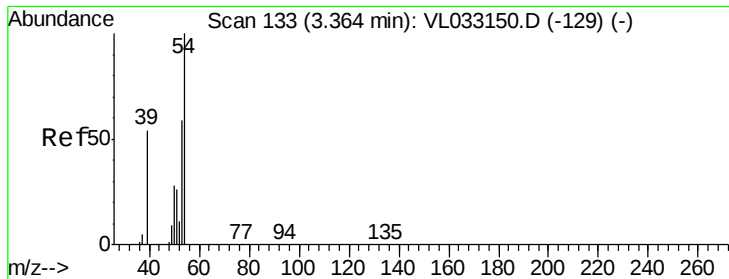
Tgt Ion: 43 Resp: 14187942

Ion Ratio Lower Upper

43 100

58 35.4 21.8 32.6#

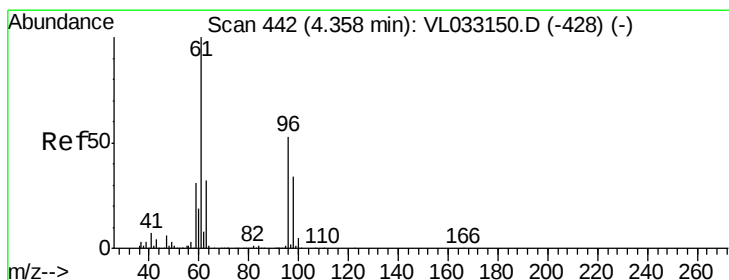
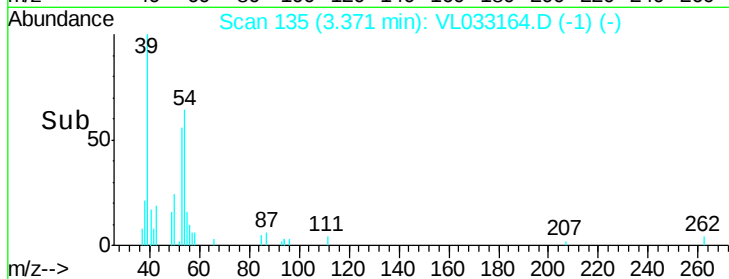
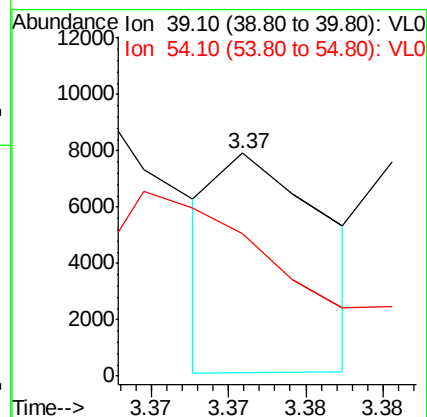
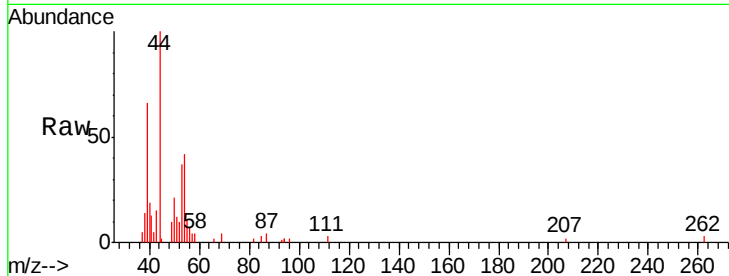




#16
1,3-Butadiene
Concen: 0.061 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

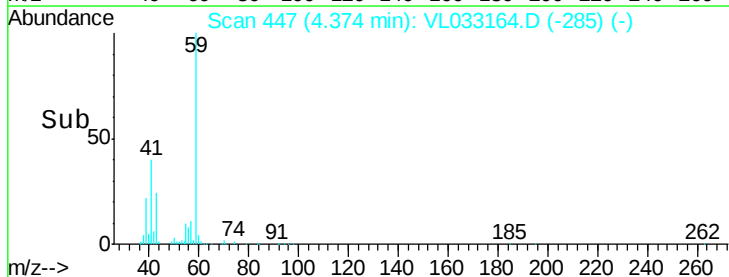
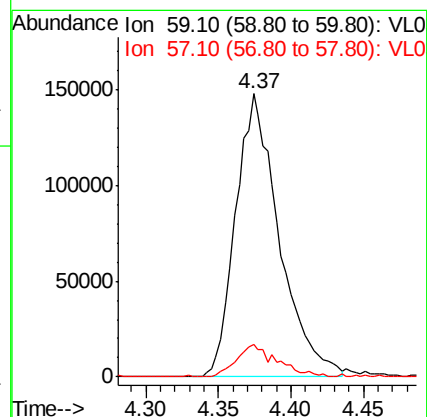
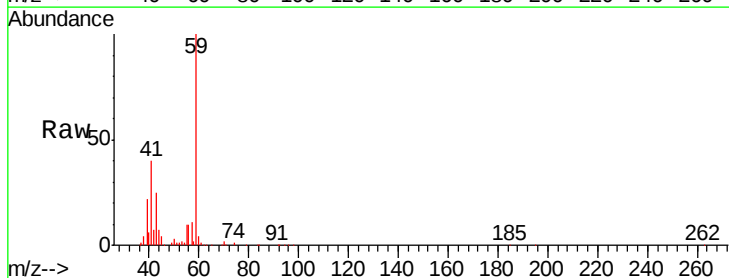
Instrument :
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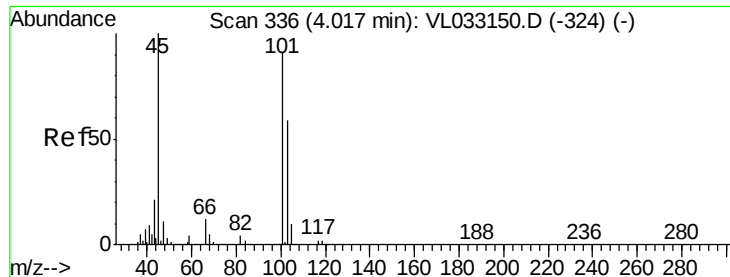
Tgt Ion: 39 Resp: 3720
Ion Ratio Lower Upper
39 100
54 262.7 75.0 112.6#



#17
tert-Butyl alcohol
Concen: 9.299 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion: 59 Resp: 308967
Ion Ratio Lower Upper
59 100
57 10.7 8.0 12.0





#19

Isopropyl Alcohol

Concen: 19.719 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.03 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

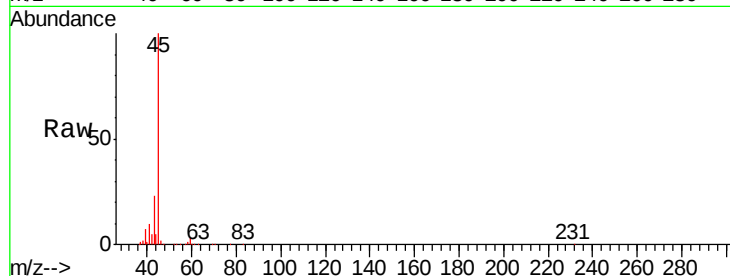
SSA1DUP

Tgt Ion: 45 Resp: 2107120

Ion Ratio Lower Upper

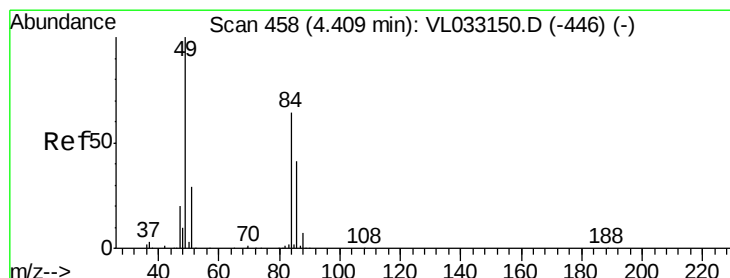
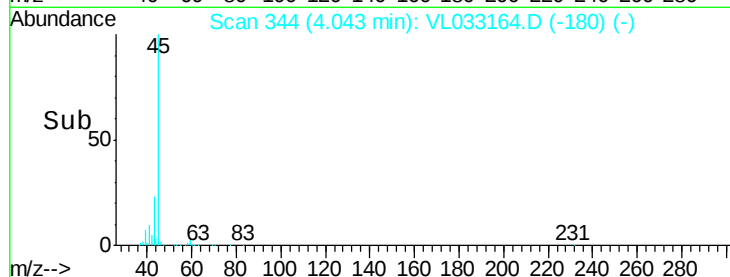
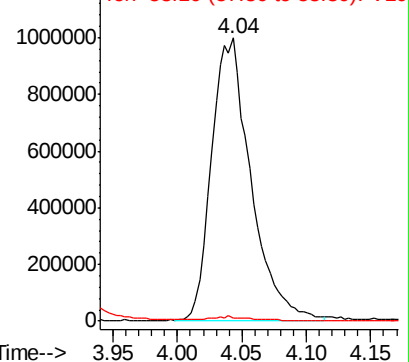
45 100

58 0.0 25.1 37.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.714 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.02 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Tgt Ion: 84 Resp: 140681

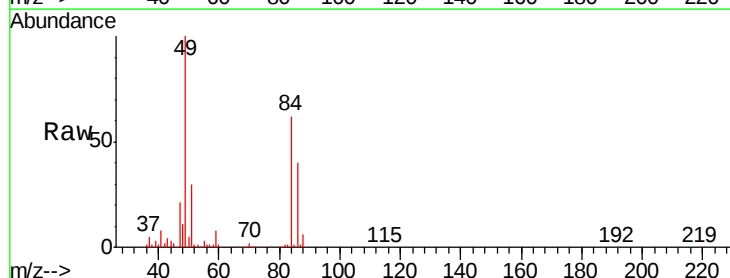
Ion Ratio Lower Upper

84 100

49 159.7 121.1 181.7

51 47.5 37.5 56.3

86 64.3 51.0 76.4

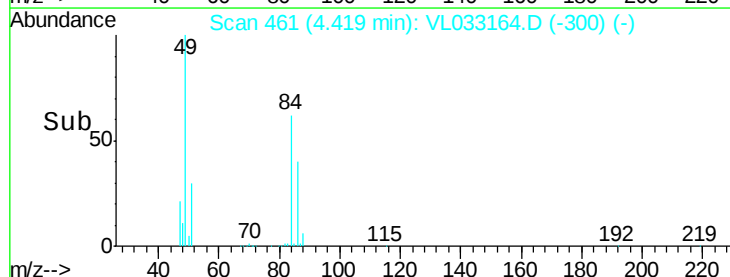
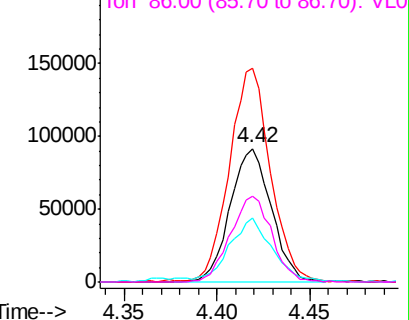


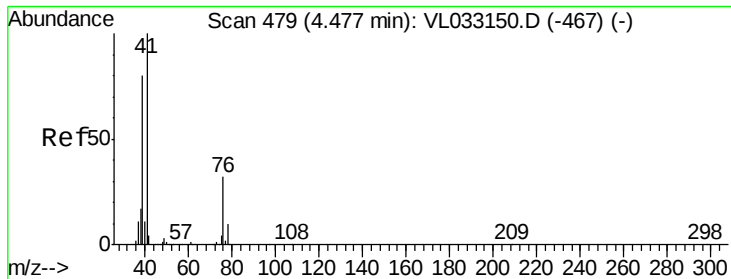
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.079 ppbv

RT: 4.44 min Scan# 466

Delta R.T. -0.04 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

SSA1DUP

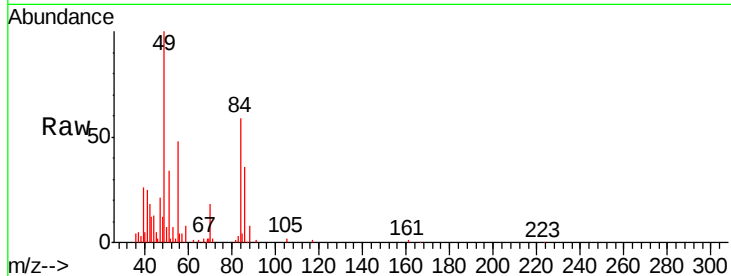
Tgt Ion: 41 Resp: 7188

Ion Ratio Lower Upper

41 100

76 0.0 23.2 34.8#

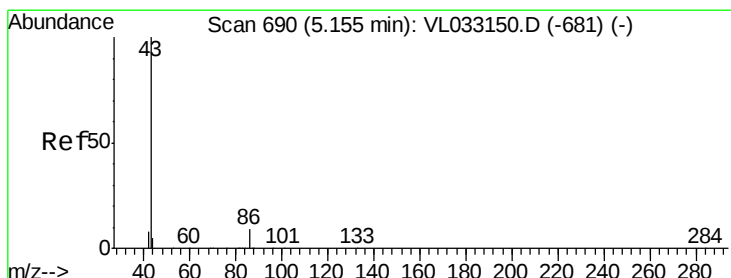
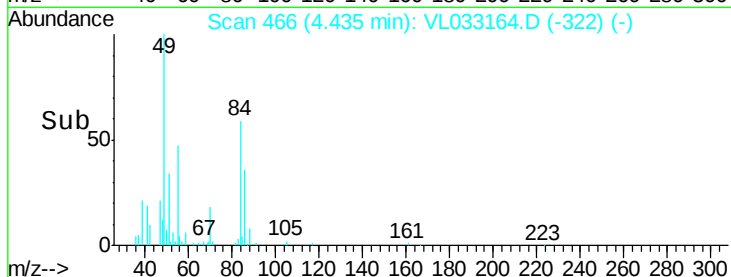
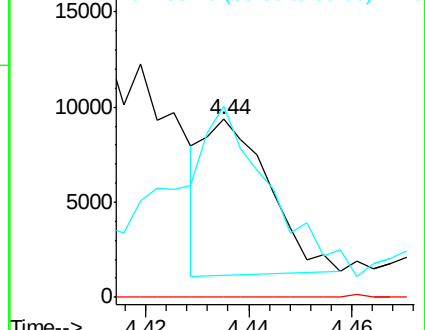
39 147.9 61.8 92.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.344 ppbv

RT: 5.19 min Scan# 701

Delta R.T. 0.04 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Tgt Ion: 43 Resp: 84221

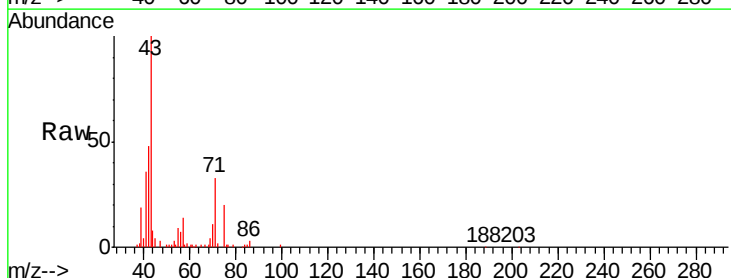
Ion Ratio Lower Upper

43 100

86 3.0 6.2 9.4#

42 48.8 7.7 11.5#

44 4.0 3.8 5.8

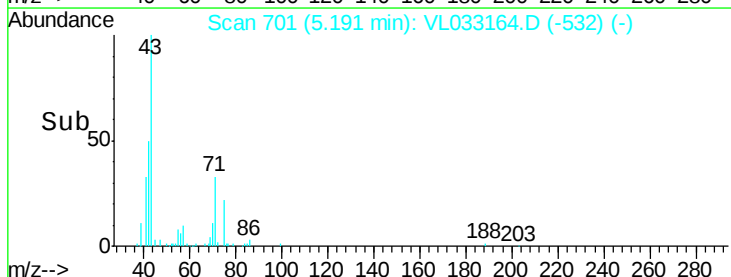
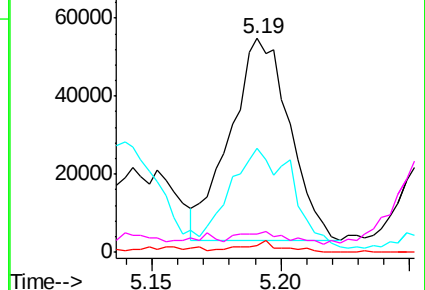


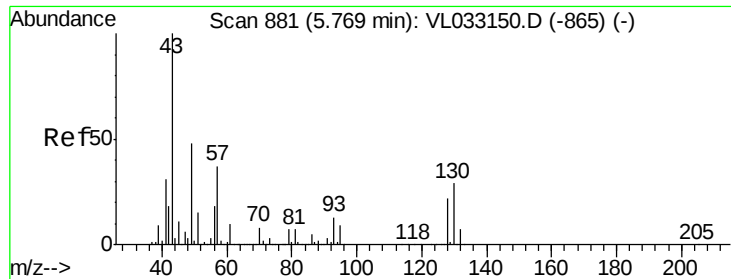
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

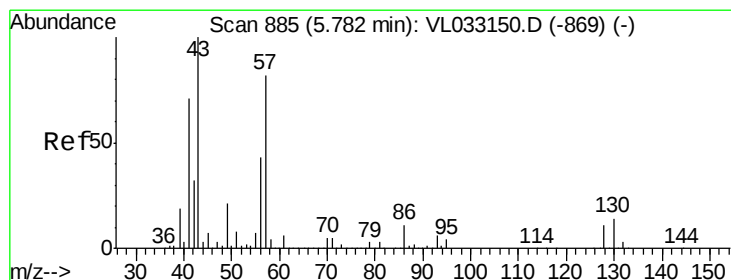
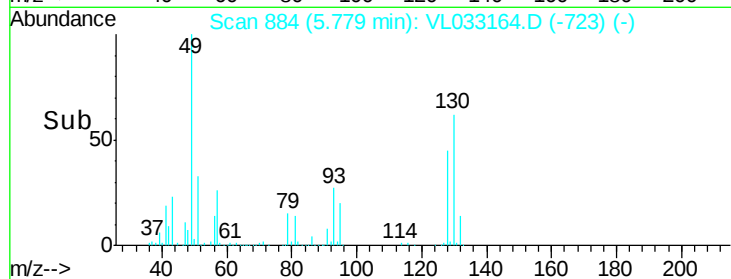
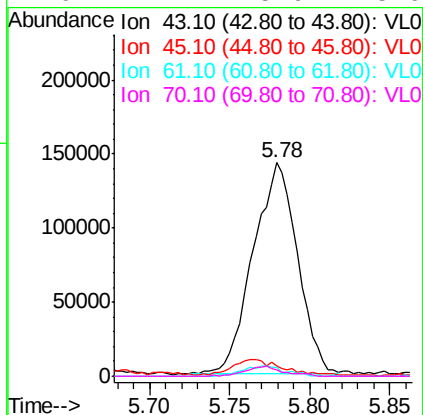
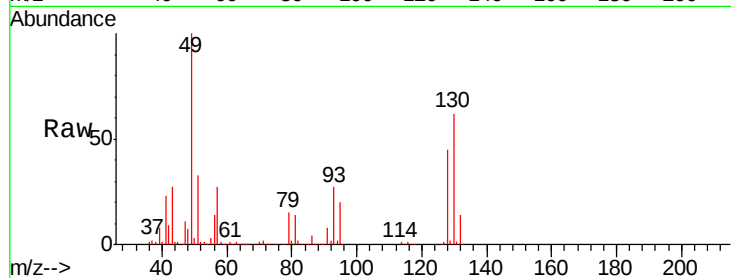




#25
Ethyl Acetate
Concen: 0.871 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.02 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

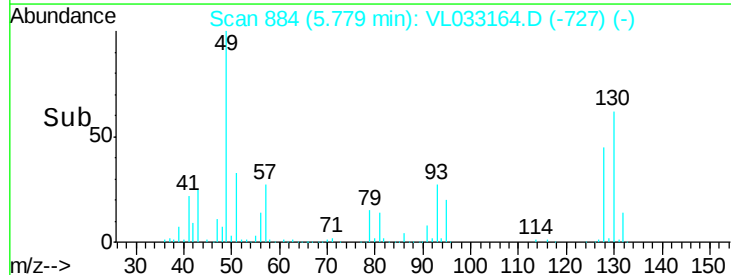
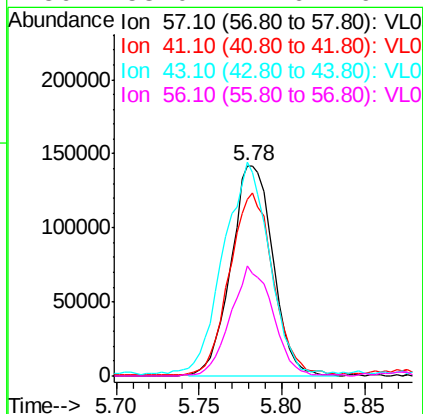
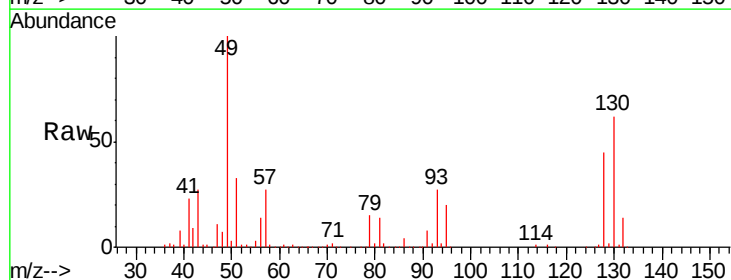
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

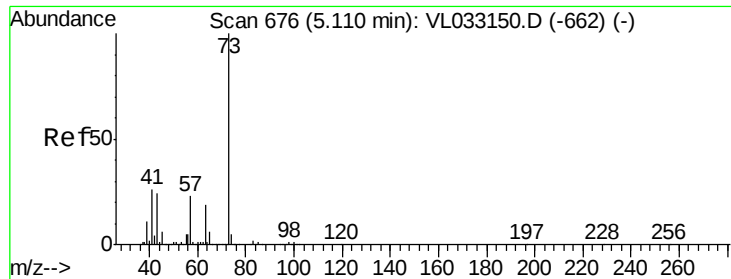
Tgt Ion:	43	Resp:	270883
Ion	Ratio	Lower	Upper
43	100		
45	9.1	8.0	12.0
61	4.8	7.4	11.2#
70	4.2	5.9	8.9#



#26
Hexane
Concen: 1.704 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion:	57	Resp:	247863
Ion	Ratio	Lower	Upper
57	100		
41	91.1	69.5	104.3
43	109.0	175.5	263.3#
56	53.0	41.6	62.4

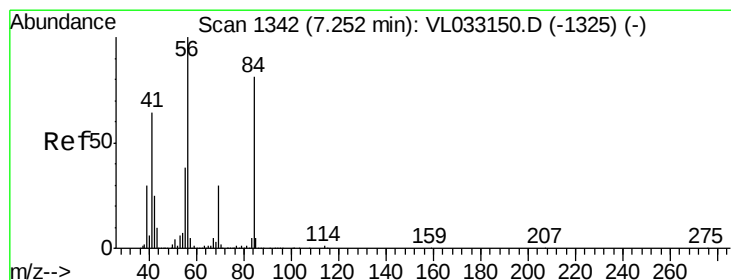
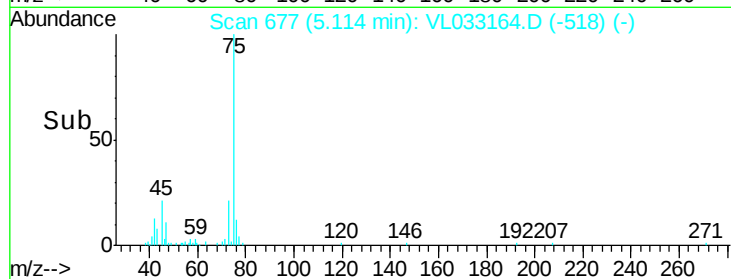
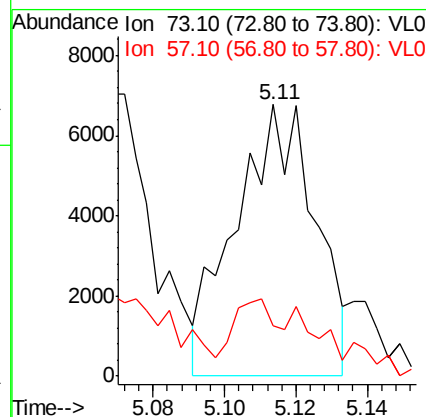
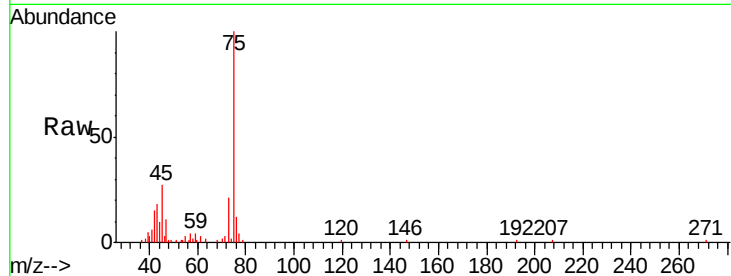




#28
Methyl tert-Butyl Ether
Concen: 0.049 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

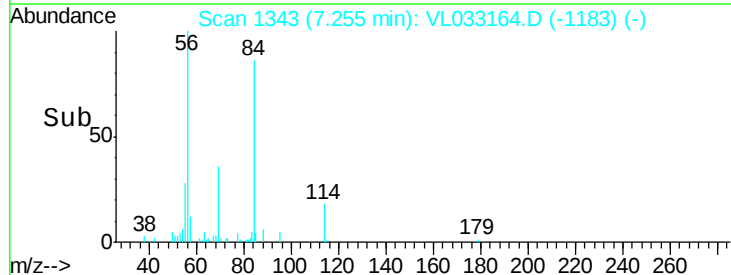
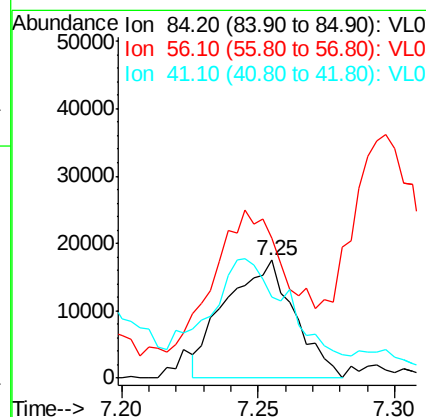
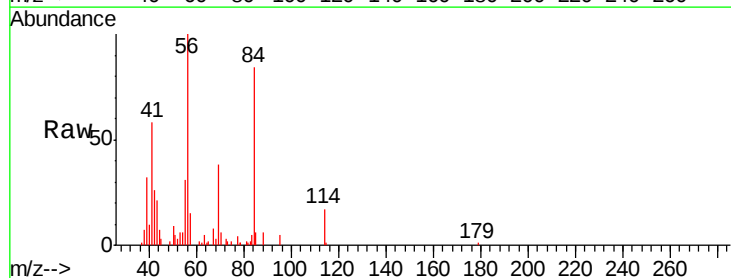
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

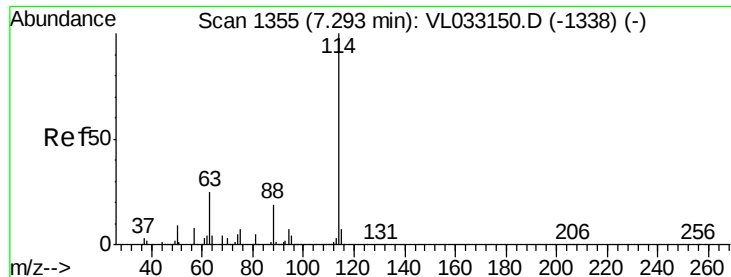
Tgt Ion: 73 Resp: 10399
Ion Ratio Lower Upper
73 100
57 0.0 18.3 27.5#



#30
Cyclohexane
Concen: 0.219 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion: 84 Resp: 30613
Ion Ratio Lower Upper
84 100
56 0.0 109.0 163.4#
41 0.0 65.3 97.9#

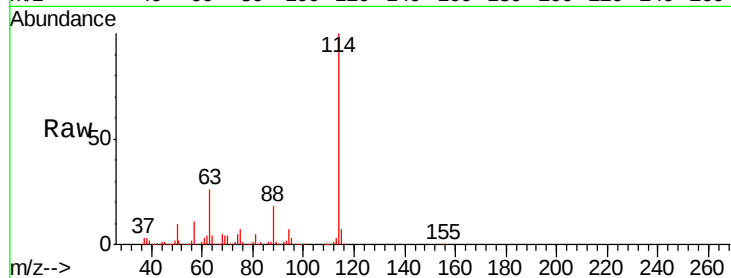




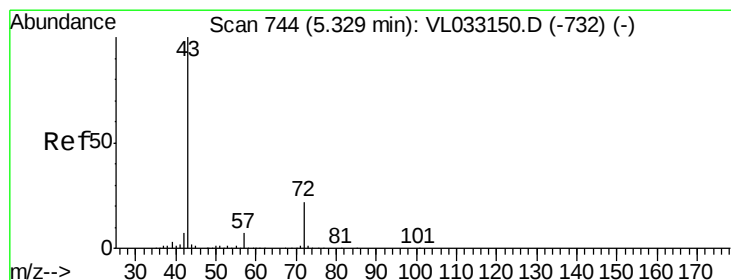
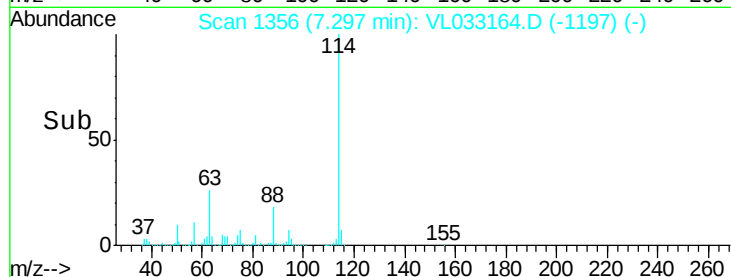
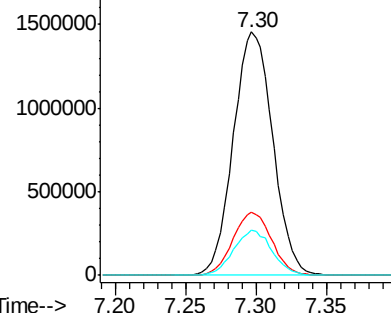
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.01 min
 Lab File: VL033164.D
 Acq: 4 Feb 2019 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA1DUP

Tgt Ion:114 Resp: 2856009
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.0 30.0
 88 18.2 14.4 21.6

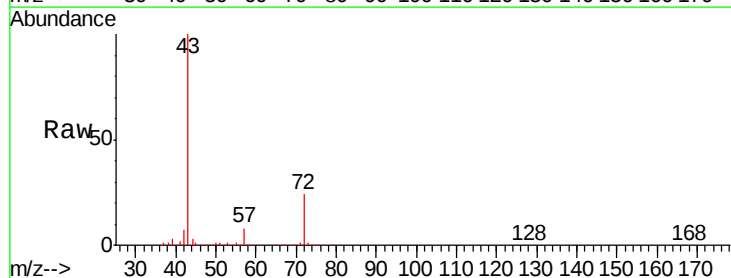


Abundance Ion 114.10 (113.80 to 114.80): V
 2000000
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

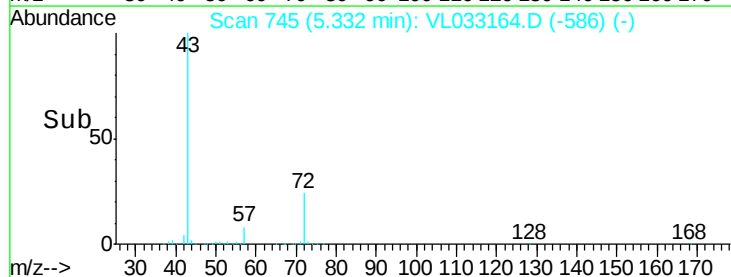
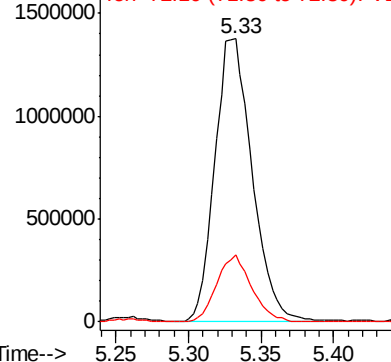


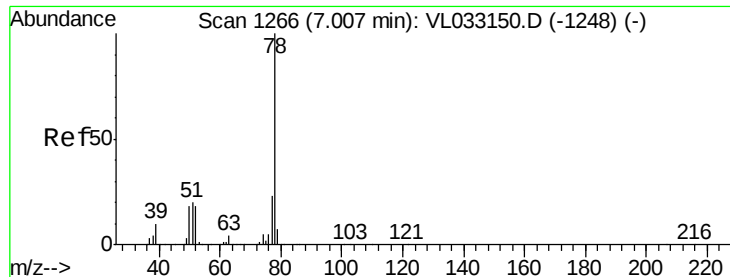
#34
 2-Butanone
 Concen: 13.686 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033164.D
 Acq: 4 Feb 2019 21:14

Tgt Ion: 43 Resp: 2458387
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1500000
 Ion 72.10 (71.80 to 72.80): VL0

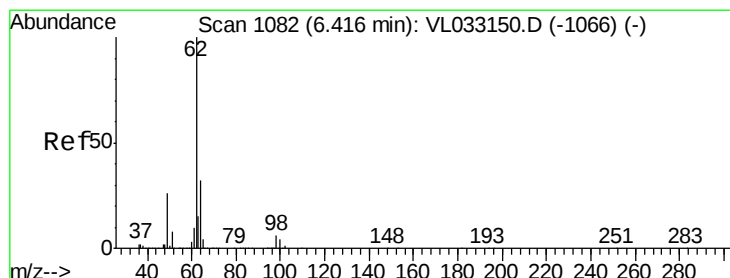
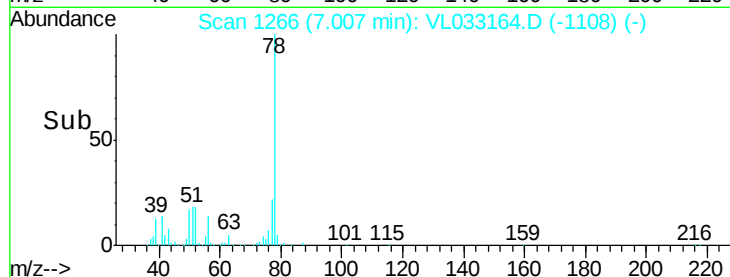
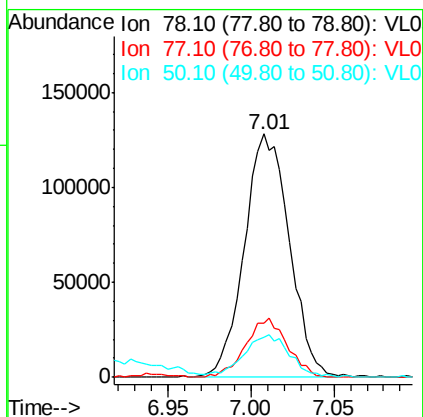
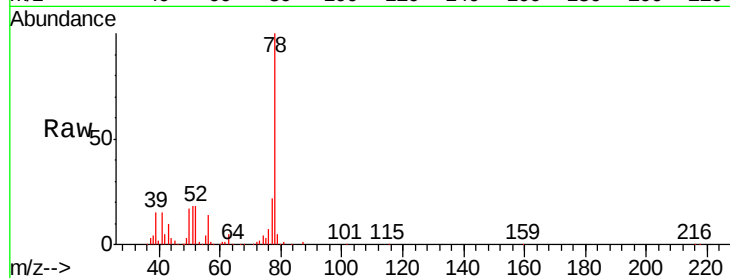




#36
Benzene
Concen: 0.837 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

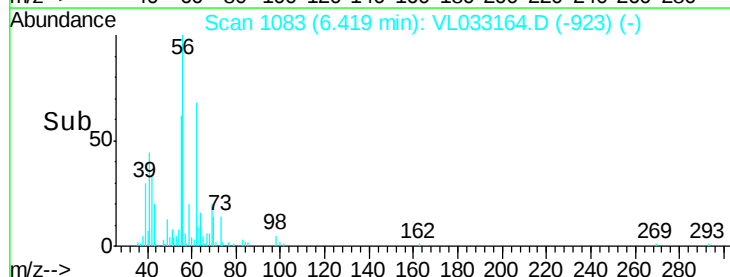
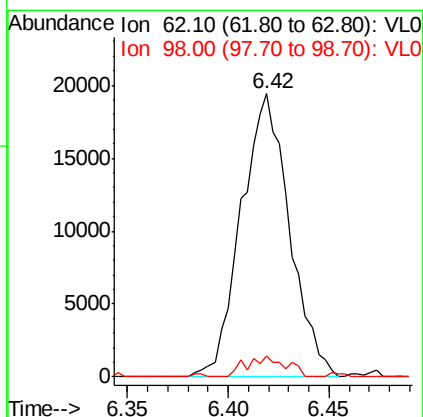
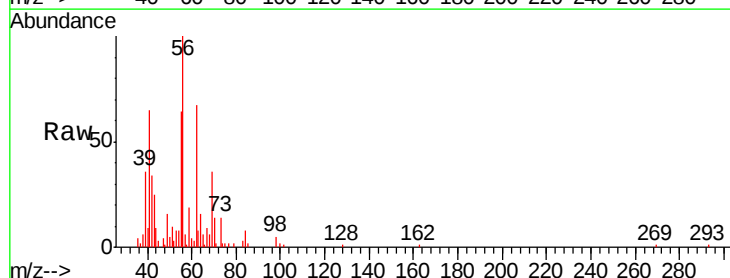
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

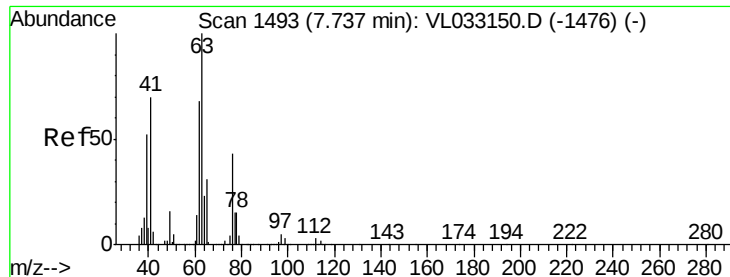
Tgt Ion: 78 Resp: 241713
Ion Ratio Lower Upper
78 100
77 22.1 17.8 26.6
50 15.9 14.7 22.1



#37
1,2-Dichloroethane
Concen: 0.221 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion: 62 Resp: 32554
Ion Ratio Lower Upper
62 100
98 6.6 5.3 7.9





#39

1,2-Dichloropropane

Concen: 6.579 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.43 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

SSA1DUP

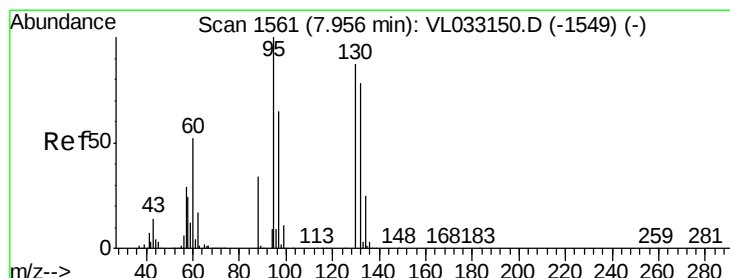
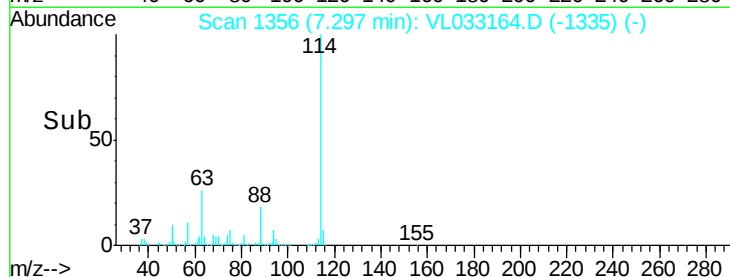
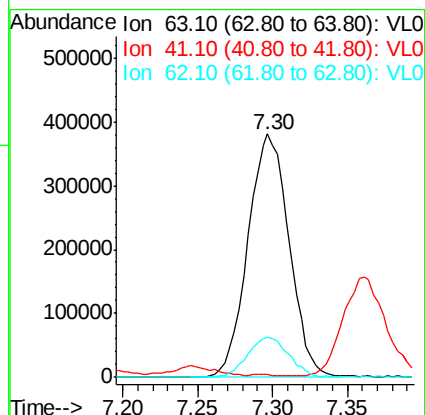
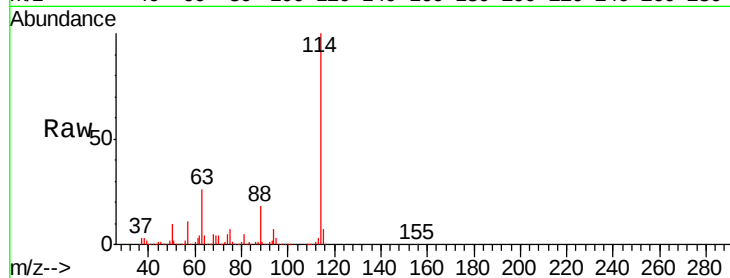
Tgt Ion: 63 Resp: 728602

Ion Ratio Lower Upper

63 100

41 0.0 53.2 79.8#

62 16.5 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.089 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.02 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Tgt Ion: 88 Resp: 3858

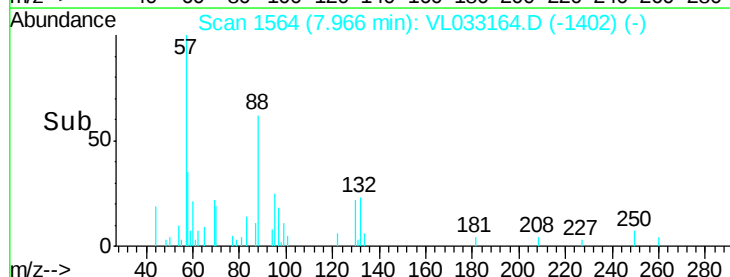
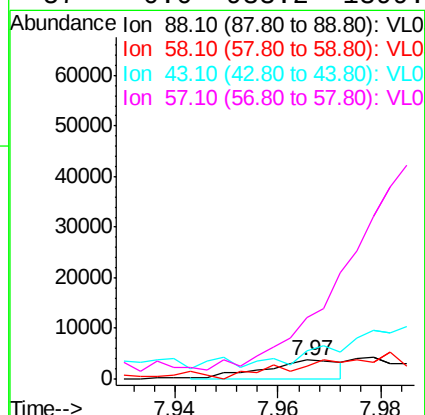
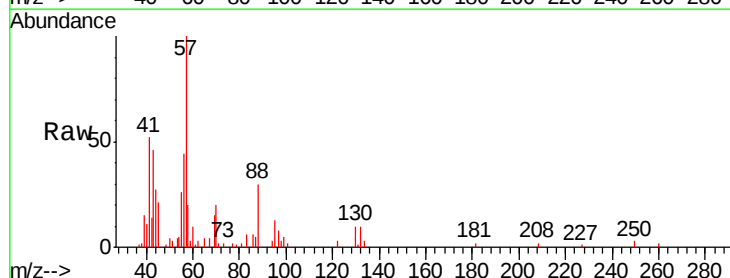
Ion Ratio Lower Upper

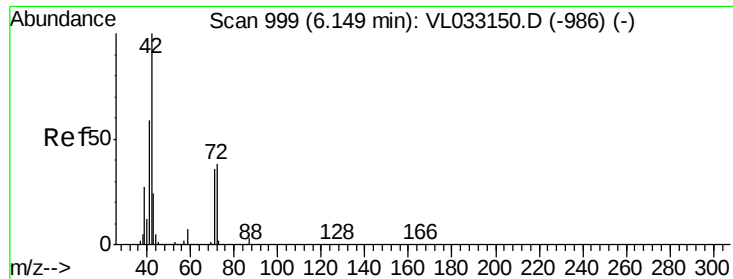
88 100

58 0.0 103.4 155.2#

43 0.0 210.8 316.2#

57 0.0 933.2 1399.8#

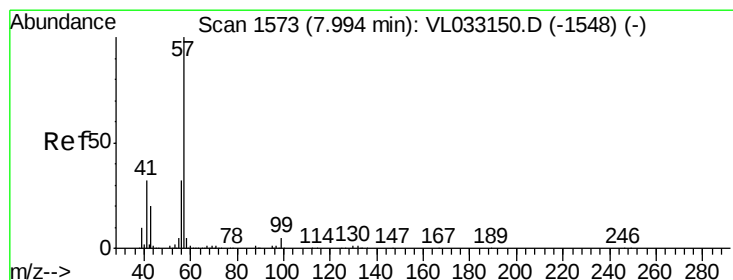
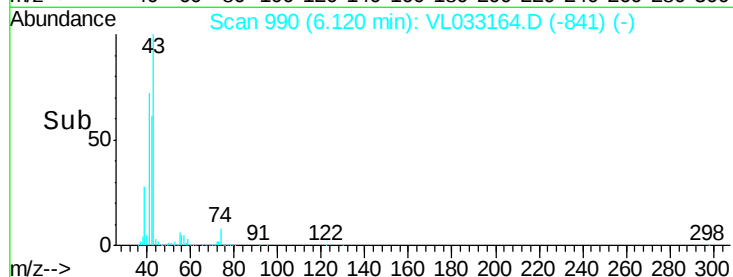
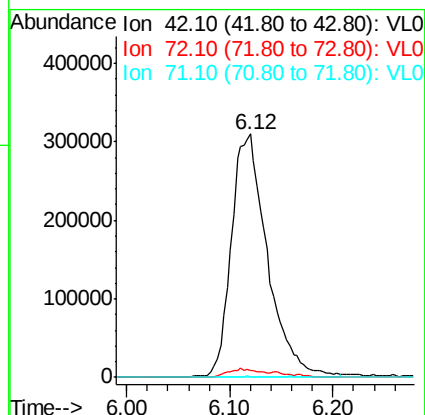
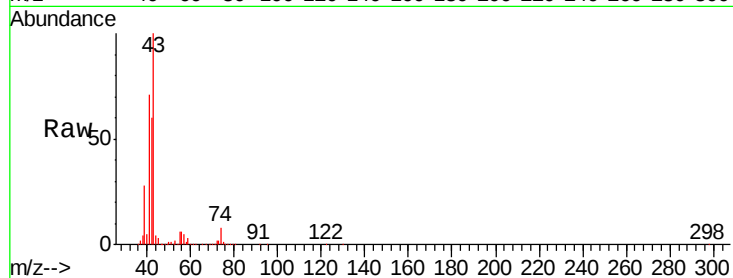




#41
Tetrahydrofuran
Concen: 6.732 ppbv
RT: 6.12 min Scan# 990
Delta R.T. -0.02 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

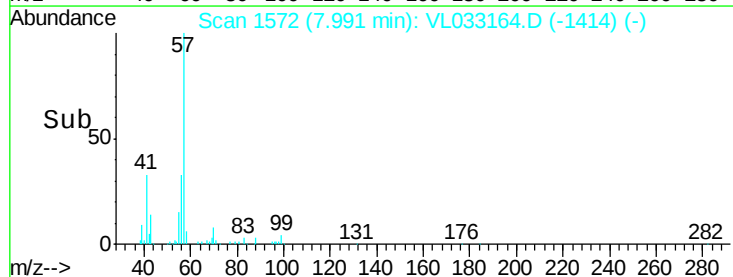
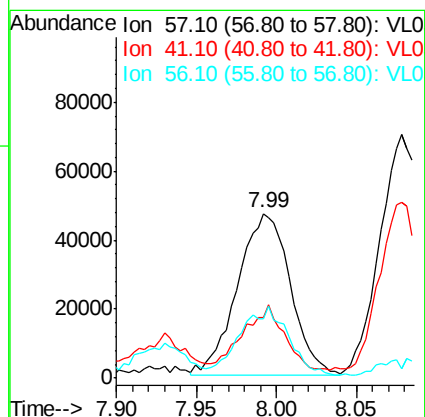
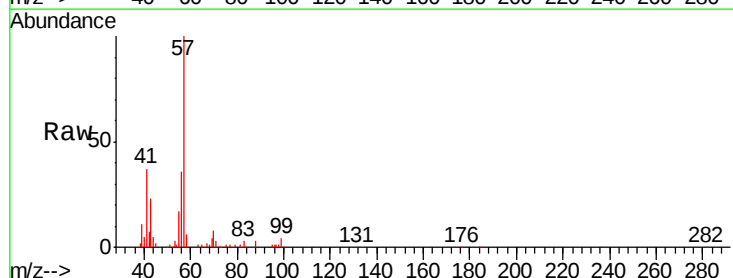
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

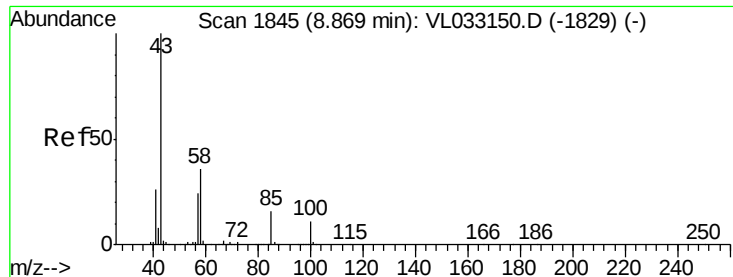
Tgt Ion	Ratio	Lower	Upper
42	100		
72	4.6	30.2	45.4#
71	0.2	28.8	43.2#



#44
2,2,4-Trimethylpentane
Concen: 0.221 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.9	24.6	36.8#
56	39.9	24.9	37.3#

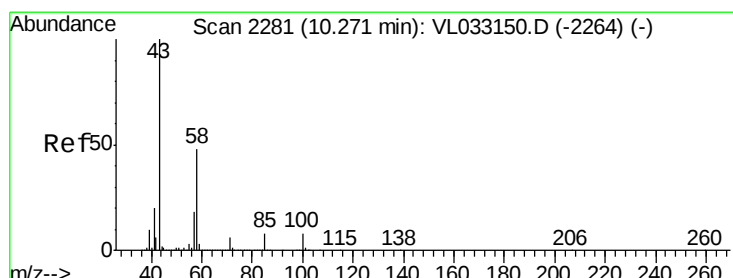
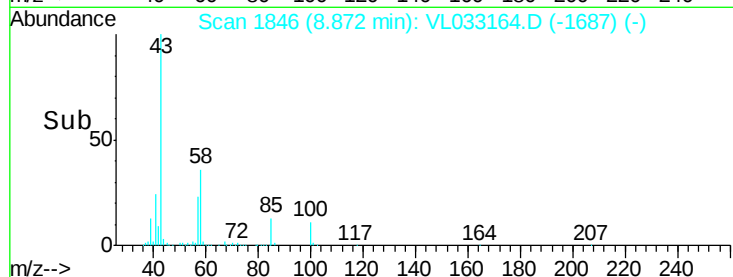
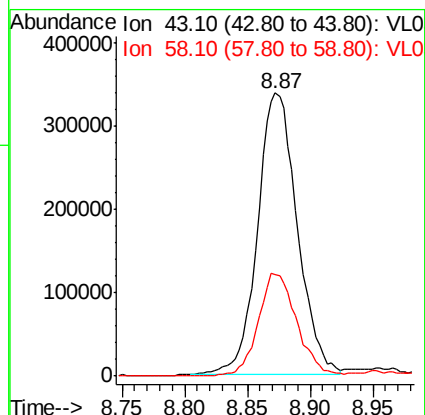
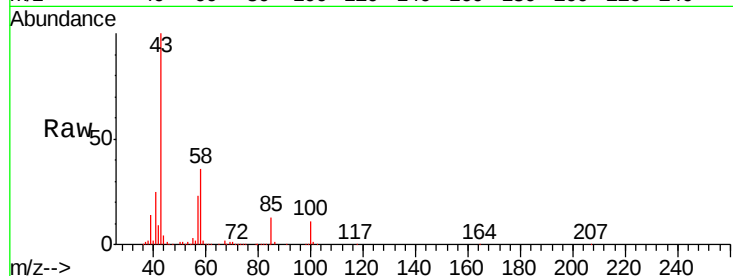




#50
 4-Methyl-2-Pentanone
 Concen: 2.298 ppbv
 RT: 8.87 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: VL033164.D
 Acq: 4 Feb 2019 21:14

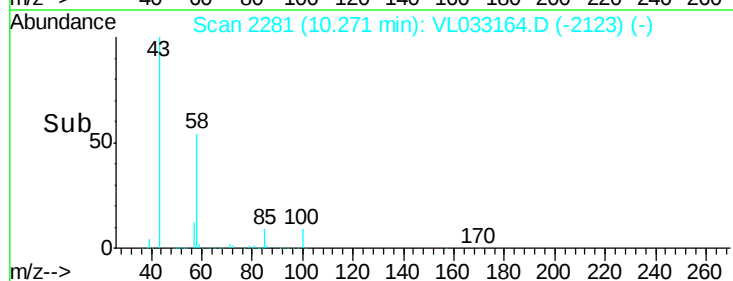
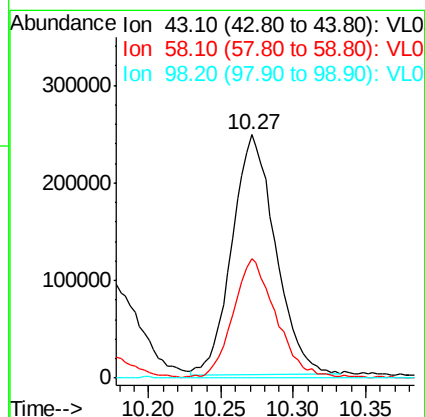
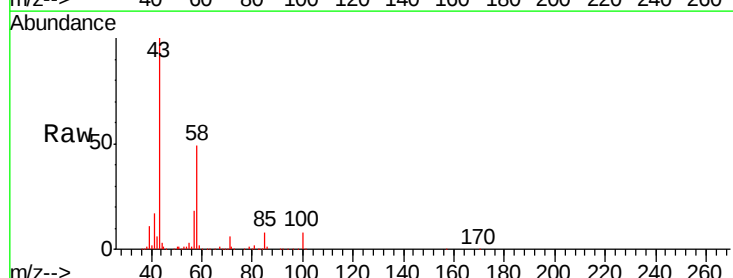
Instrument :
 MSVOA_L
 ClientSampleId :
 SSA1DUP

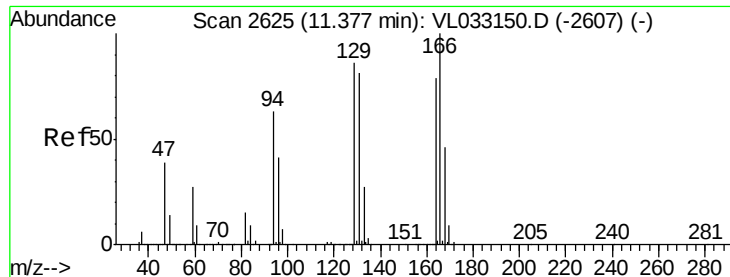
Tgt Ion: 43 Resp: 747315
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.7 43.1



#51
 2-Hexanone
 Concen: 1.873 ppbv
 RT: 10.27 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: VL033164.D
 Acq: 4 Feb 2019 21:14

Tgt Ion: 43 Resp: 510640
 Ion Ratio Lower Upper
 43 100
 58 49.8 39.4 59.2
 98 0.2 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.362 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. 0.01 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

SSA1DUP

Tgt Ion:164 Resp: 36275

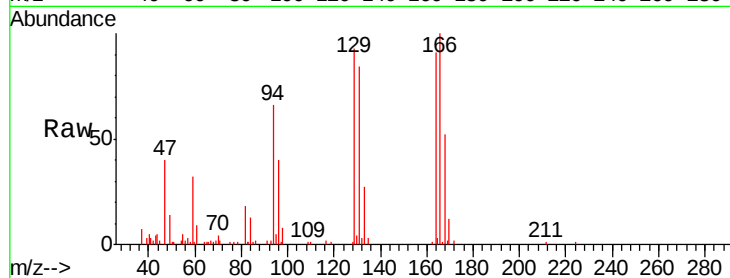
Ion Ratio Lower Upper

164 100

166 106.9 98.6 148.0

129 100.6 86.3 129.5

131 90.7 83.7 125.5

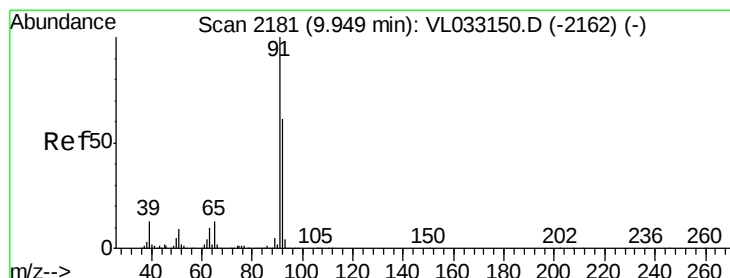
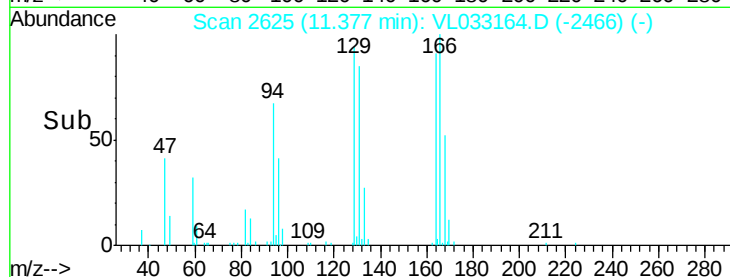
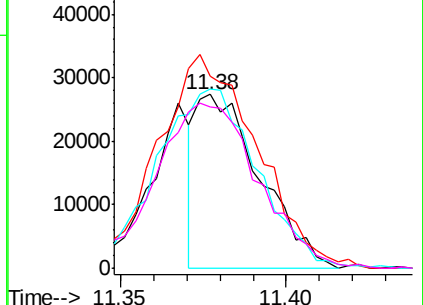


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 7.031 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.01 min

Lab File: VL033164.D

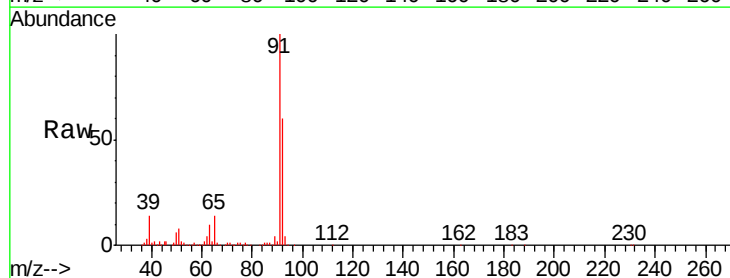
Acq: 4 Feb 2019 21:14

Tgt Ion: 91 Resp: 2410860

Ion Ratio Lower Upper

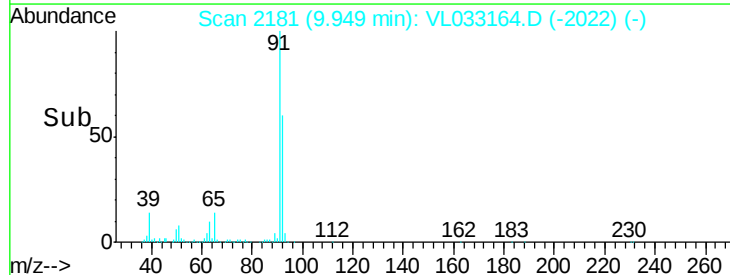
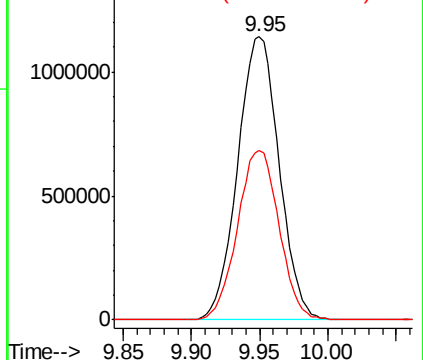
91 100

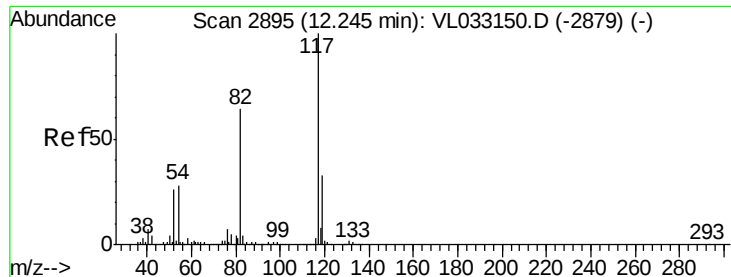
92 60.1 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

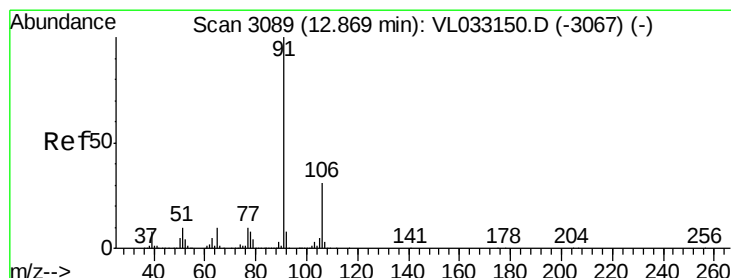
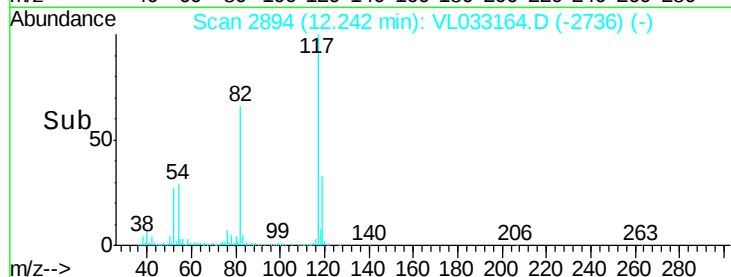
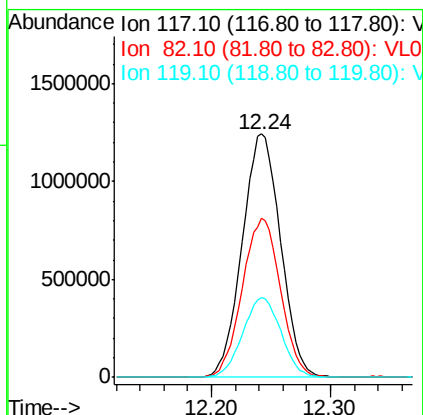
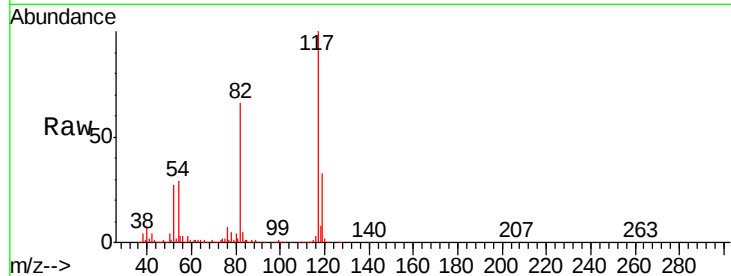




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

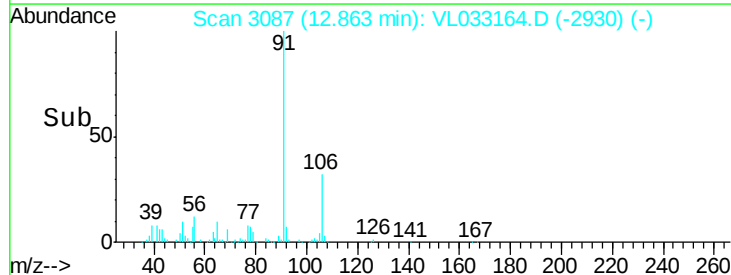
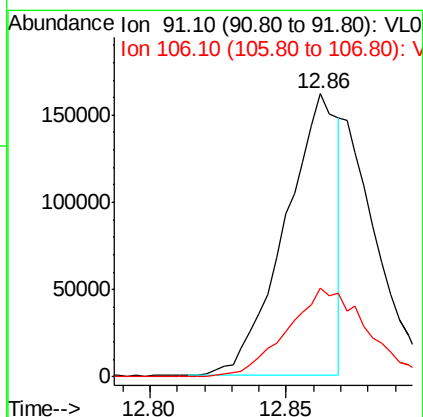
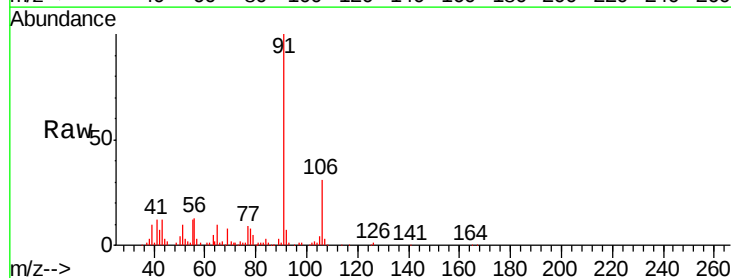
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

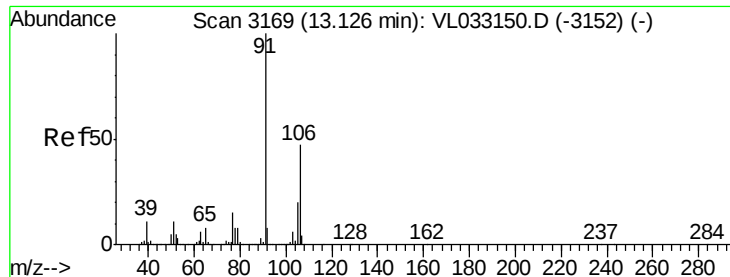
Tgt Ion:117 Resp: 2779004
Ion Ratio Lower Upper
117 100
82 65.0 49.3 73.9
119 32.5 27.1 40.7



#58
Ethyl Benzene
Concen: 0.496 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion: 91 Resp: 216979
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1

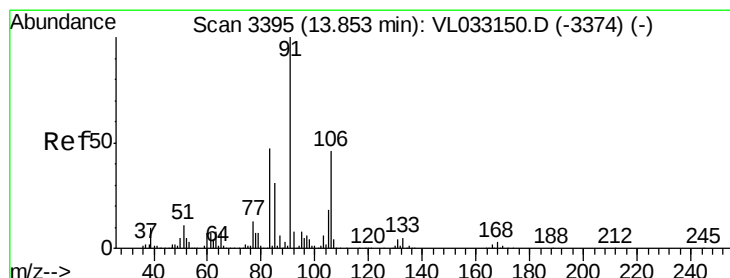
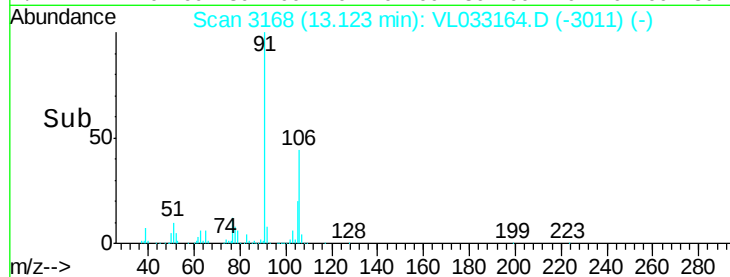
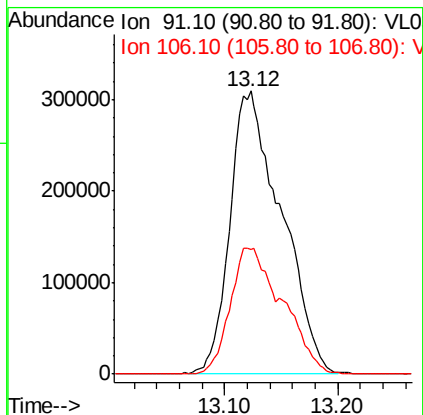
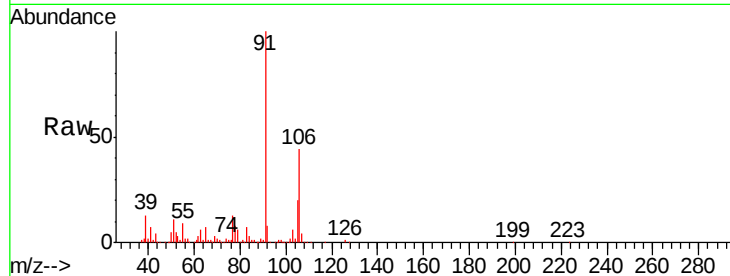




#59
m/p-Xylene
Concen: 2.706 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

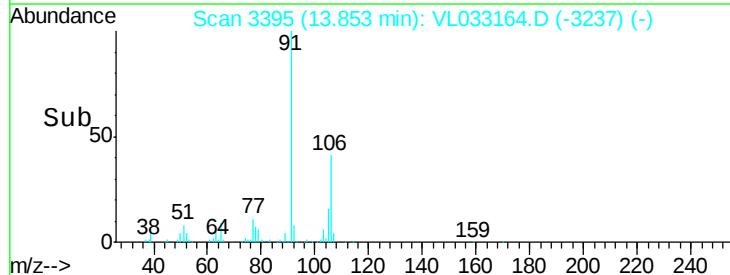
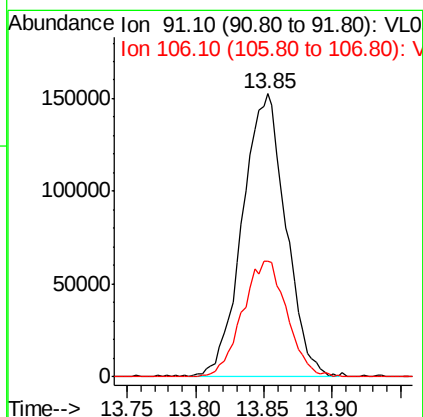
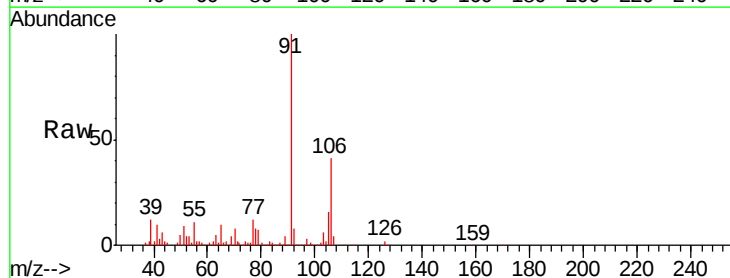
Instrument :
MSVOA_L
ClientSampleId :
SSA1DUP

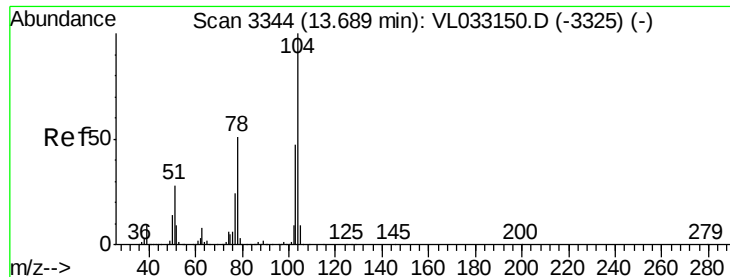
Tgt Ion: 91 Resp: 968928
Ion Ratio Lower Upper
91 100
106 45.8 37.6 56.4



#60
o-Xylene
Concen: 1.010 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL033164.D
Acq: 4 Feb 2019 21:14

Tgt Ion: 91 Resp: 333748
Ion Ratio Lower Upper
91 100
106 42.5 23.2 69.5





#61

Styrene

Concen: 0.400 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. 0.01 min

Lab File: VL033164.D

Acq: 4 Feb 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

SSA1DUP

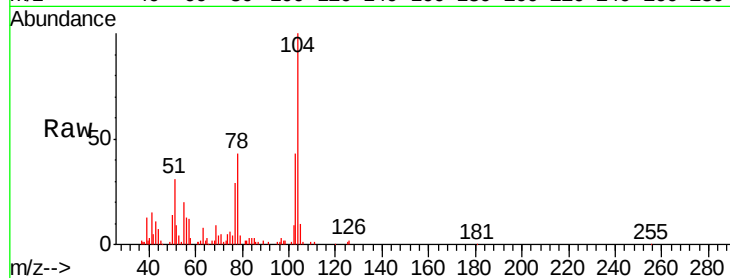
Tgt Ion:104 Resp: 105679

Ion Ratio Lower Upper

104 100

78 54.0 39.7 59.5

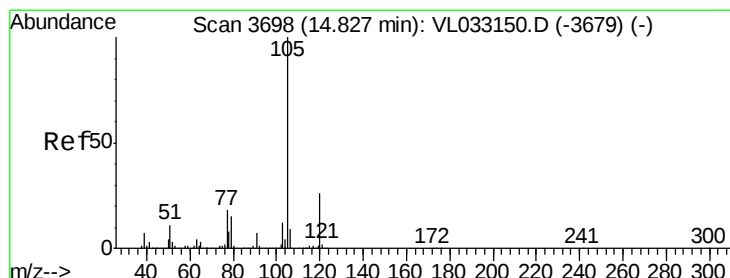
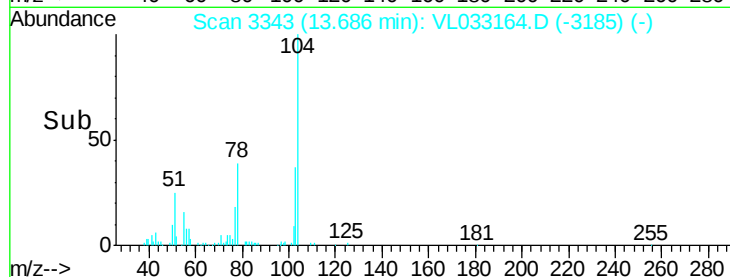
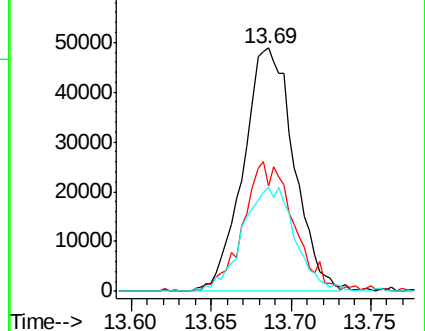
103 44.5 37.7 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 5.479 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL033164.D

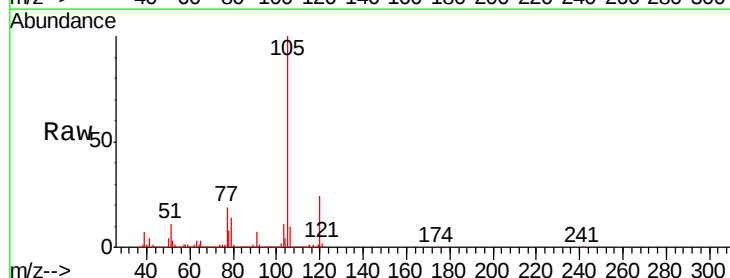
Acq: 4 Feb 2019 21:14

Tgt Ion:105 Resp: 2584027

Ion Ratio Lower Upper

105 100

120 25.3 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

