

Data File : VL034024.D
Acq On : 11 Jul 2019 19:24
Operator : SY/AP
Sample : K3747-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVS-2

Quant Time: Jul 12 07:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1428143	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	3783514	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.19	117	3751578	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2086805	6.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	65.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	29154	0.099	ppbv	98
3) Chlorodifluoromethane	3.00	51	39929	0.226	ppbv	99
4) Chloromethane	3.15	50	13154	0.130	ppbv #	77
9) Propene	3.02	41	13008	0.201	ppbv #	39
10) Heptane	8.20	43	105355	0.649	ppbv #	82
11) Trichlorofluoromethane	3.98	101	50628	0.153	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.52	101	7170	0.031	ppbv #	51
13) Ethanol	3.63	45	205718	10.207	ppbv	97
15) Acetone	3.88	43	1129099	4.702	ppbv	96
16) 1,3-Butadiene	3.32	39	95529	1.127	ppbv #	13
17) tert-Butyl alcohol	4.34	59	107199	0.560	ppbv #	92
19) Isopropyl Alcohol	4.01	45	108545	0.673	ppbv #	1
20) Methylene Chloride	4.38	84	70964	0.678	ppbv #	86
21) Allyl Chloride	4.34	41	40884	0.273	ppbv #	68
22) trans-1,2-Dichloroethene	4.93	96	5104	0.051	ppbv #	33
23) Vinyl Acetate	5.12	43	257957	1.076	ppbv #	93
25) Ethyl Acetate	5.74	43	179211	0.546	ppbv #	84
26) Hexane	5.74	57	217108	1.445	ppbv #	44
27) Carbon Disulfide	4.59	76	54599	0.214	ppbv #	55
29) Chloroform	5.81	83	223343	0.791	ppbv	88
30) Cyclohexane	7.19	84	4596	0.040	ppbv #	1
31) cis-1,2-Dichloroethene	5.60	61	198592	1.368	ppbv	96
34) 2-Butanone	5.30	43	195765	0.978	ppbv	98
36) Benzene	6.96	78	213366	0.721	ppbv #	93
38) Trichloroethene	7.92	130	399129	3.030	ppbv	95
39) 1,2-Dichloropropane	7.25	63	931540	8.462	ppbv #	25
41) Tetrahydrofuran	6.11	42	4934	0.050	ppbv #	30
43) Methyl Methacrylate	8.09	69	5612	0.050	ppbv #	1
44) 2,2,4-Trimethylpentane	7.95	57	34114	0.067	ppbv #	1
50) 4-Methyl-2-Pentanone	8.82	43	10429	0.035	ppbv #	37
52) Tetrachloroethene	11.33	164	41298	0.324	ppbv	88
53) Toluene	9.90	91	4167731	12.298	ppbv	100
58) Ethyl Benzene	12.82	91	961196	2.131	ppbv	94
59) m/p-Xylene	13.10	91	822256	2.013	ppbv #	31
60) o-Xylene	13.80	91	892939	2.185	ppbv	97
62) Isopropylbenzene	14.78	105	49045	0.078	ppbv	99
64) n-propylbenzene	15.67	120	42614	0.262	ppbv #	1
65) tert-Butylbenzene	16.88	119	182633	0.342	ppbv #	67
67) sec-Butylbenzene	17.41	105	26645	0.036	ppbv	94
69) p-Isopropyltoluene	17.76	119	30452	0.049	ppbv #	47
71) 2-Chlorotoluene	15.67	91	161133	0.350	ppbv #	44

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071119\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

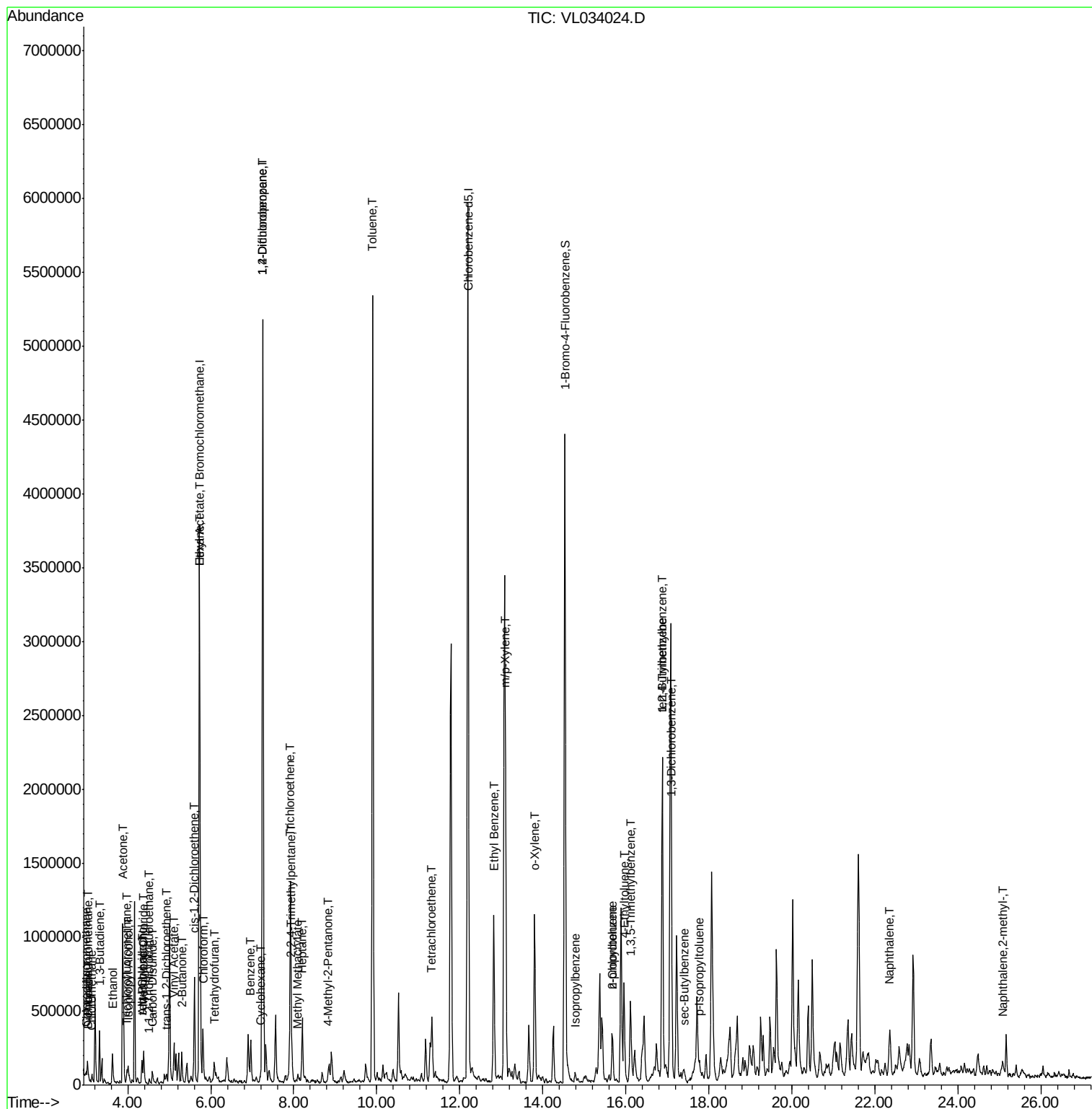
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.95	105	510548	0.973	ppbv	98
73) 1,3,5-Trimethylbenzene	16.11	105	369263	0.756	ppbv	98
74) 1,2,4-Trimethylbenzene	16.88	105	1682493	3.111	ppbv #	75
75) 1,3-Dichlorobenzene	17.11	146	24798	0.072	ppbv #	10
79) Naphthalene	22.36	128	267903	0.589	ppbv	95
80) Naphthalene,2-methyl-	25.08	142	39576	0.239	ppbv #	80

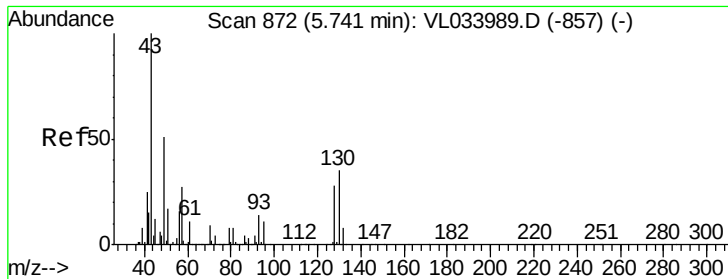
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 867

Delta R.T. -0.02 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

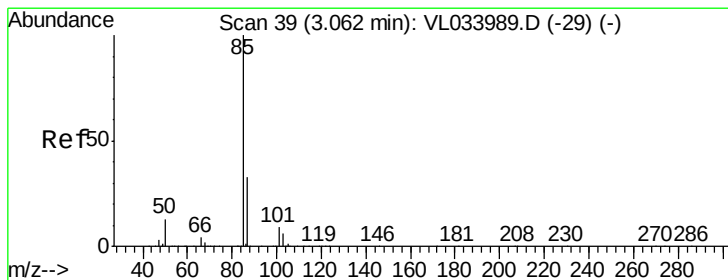
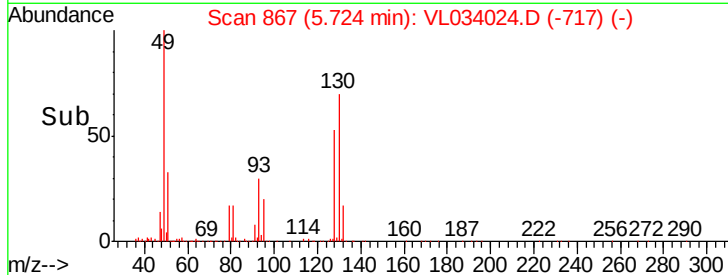
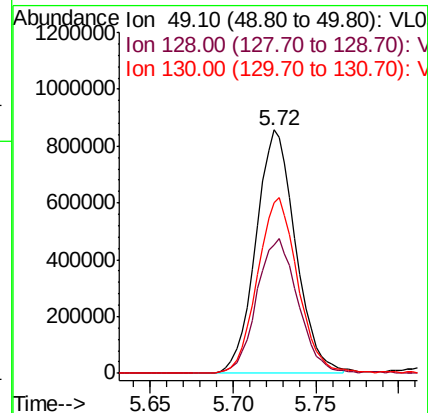
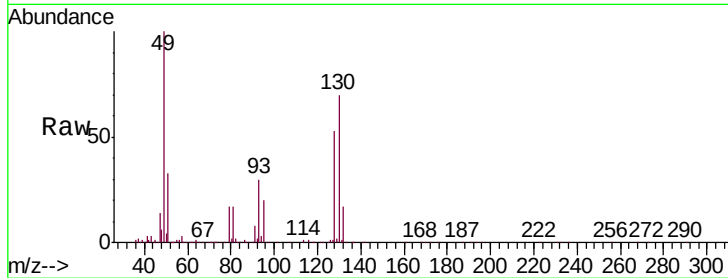
Tgt Ion: 49 Resp: 1428143

Ion Ratio Lower Upper

49 100

128 58.2 27.9 83.6

130 74.0 35.8 107.4



#2

Dichlorodifluoromethane

Concen: 0.099 ppbv

RT: 3.06 min Scan# 38

Delta R.T. -0.00 min

Lab File: VL034024.D

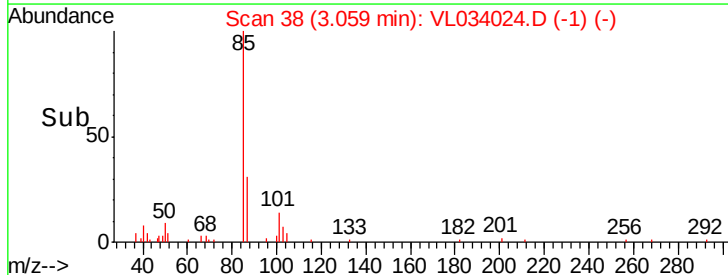
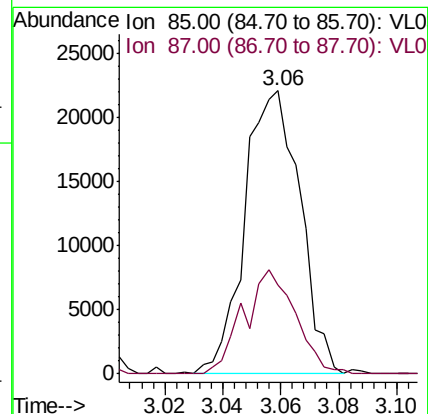
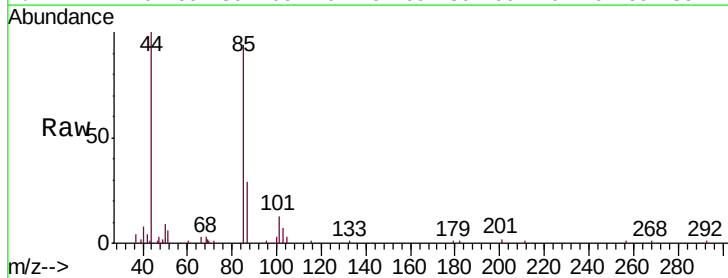
Acq: 11 Jul 2019 19:24

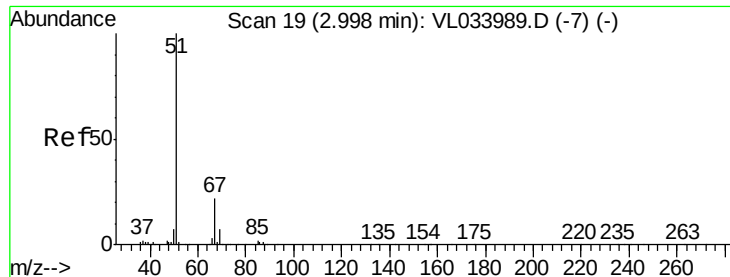
Tgt Ion: 85 Resp: 29154

Ion Ratio Lower Upper

85 100

87 31.3 26.0 39.0

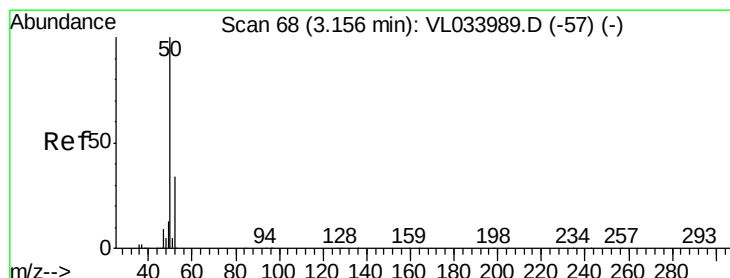
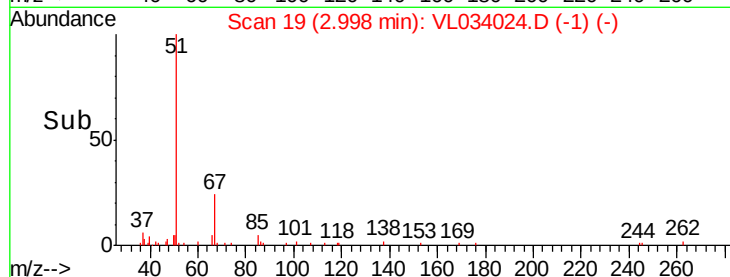
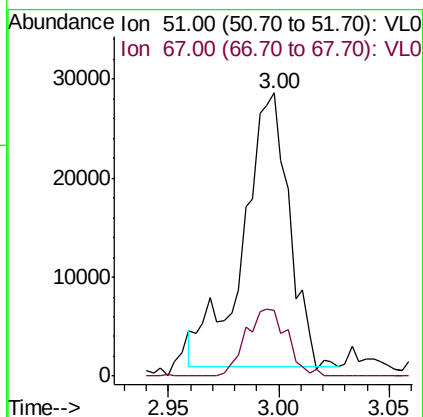
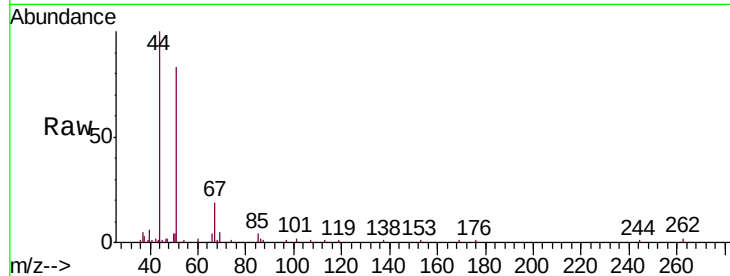




#3
Chlorodifluoromethane
Concen: 0.226 ppbv
RT: 3.00 min Scan# 19
Delta R.T. -0.00 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

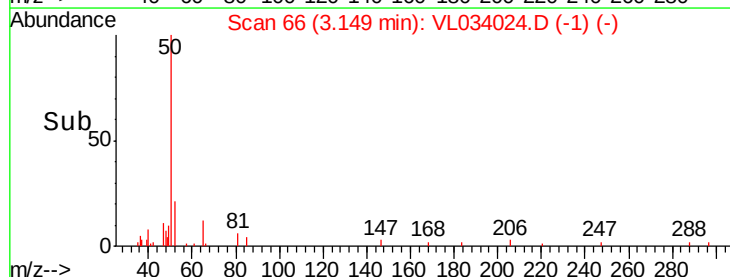
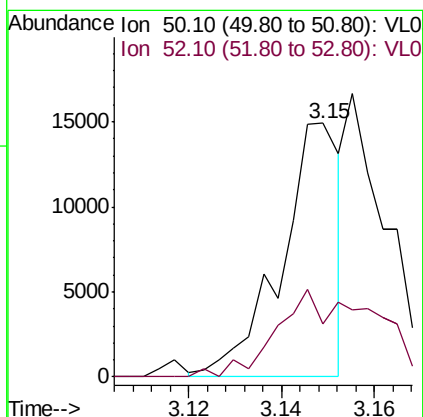
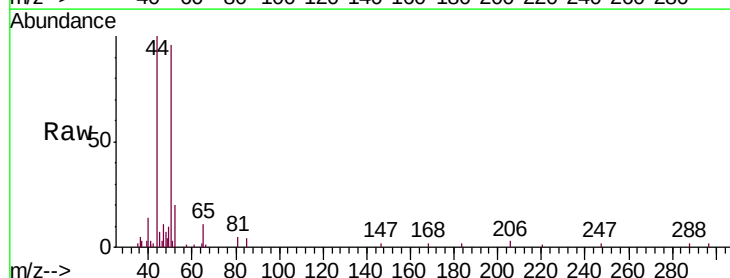
Instrument :
MSVOA_L
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SVS-2

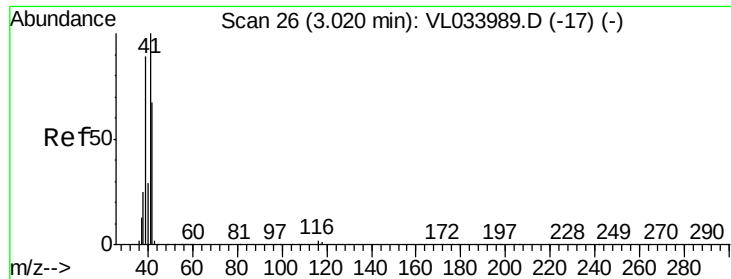
Tgt Ion: 51 Resp: 39929
Ion Ratio Lower Upper
51 100
67 22.1 17.3 25.9



#4
Chloromethane
Concen: 0.130 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

Tgt Ion: 50 Resp: 13154
Ion Ratio Lower Upper
50 100
52 21.0 27.4 41.0#





#9

Propene

Concen: 0.201 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

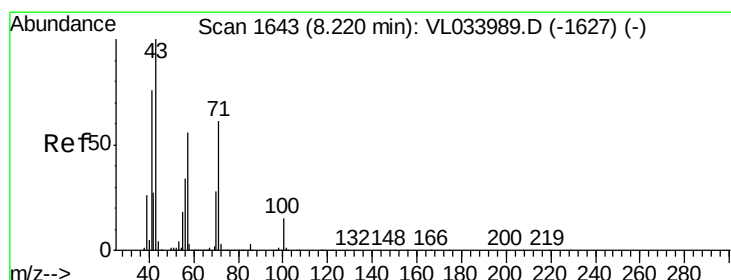
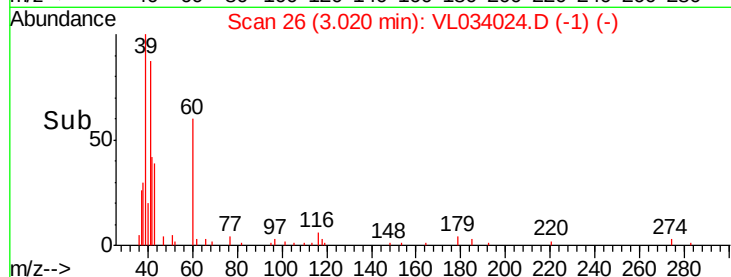
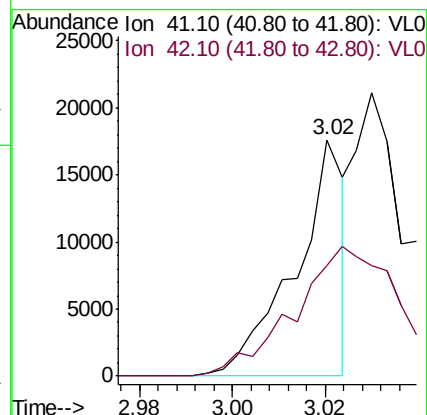
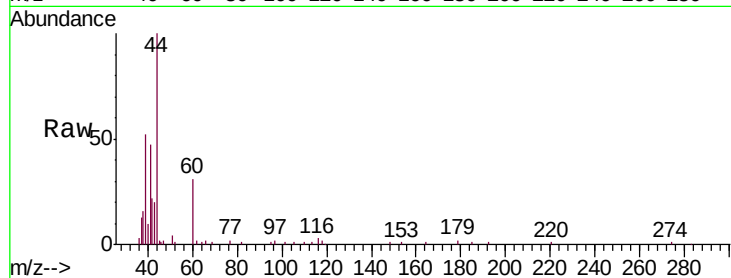
SVS-2

Tgt Ion: 41 Resp: 13008

Ion Ratio Lower Upper

41 100

42 122.0 57.1 85.7#



#10

Heptane

Concen: 0.649 ppbv

RT: 8.20 min Scan# 1638

Delta R.T. -0.02 min

Lab File: VL034024.D

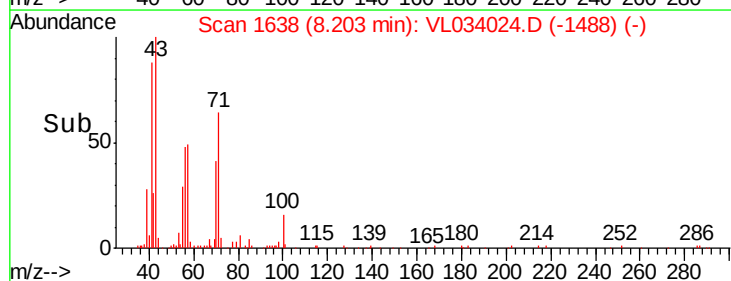
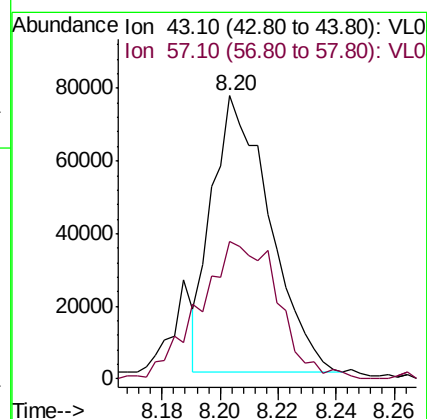
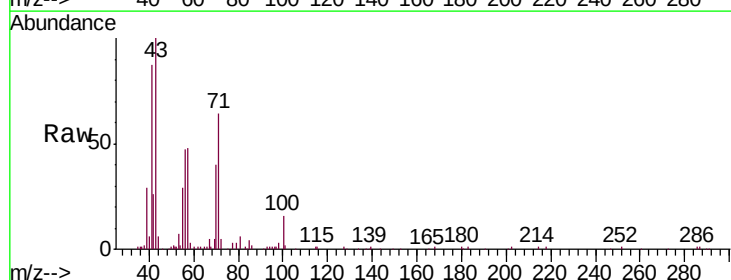
Acq: 11 Jul 2019 19:24

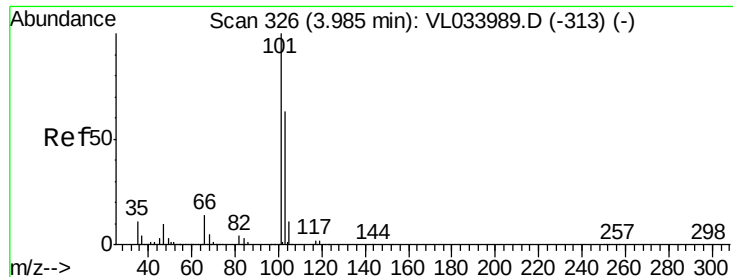
Tgt Ion: 43 Resp: 105355

Ion Ratio Lower Upper

43 100

57 68.6 44.6 66.8#

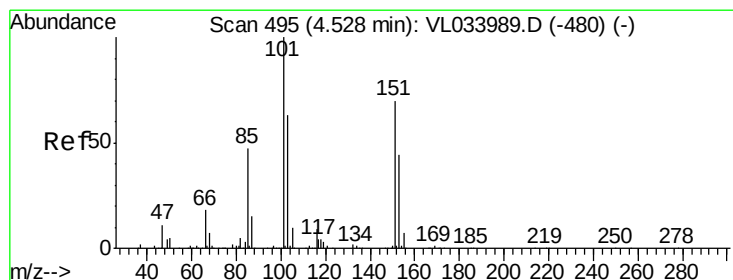
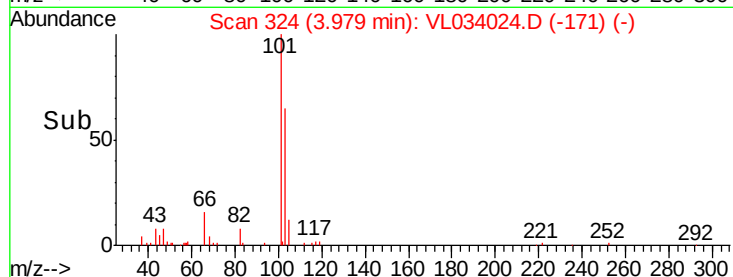
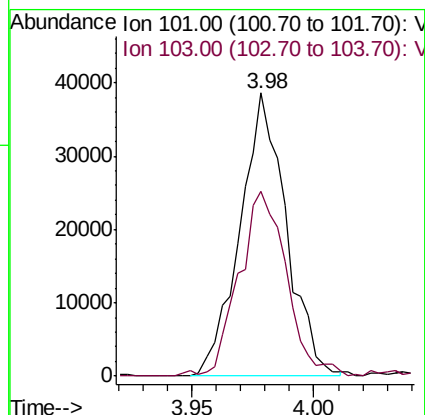
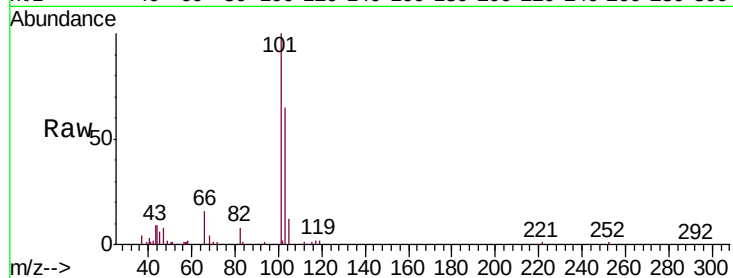




#11
 Trichlorofluoromethane
 Concen: 0.153 ppbv
 RT: 3.98 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

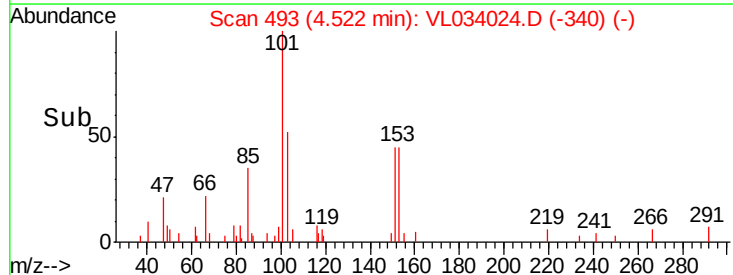
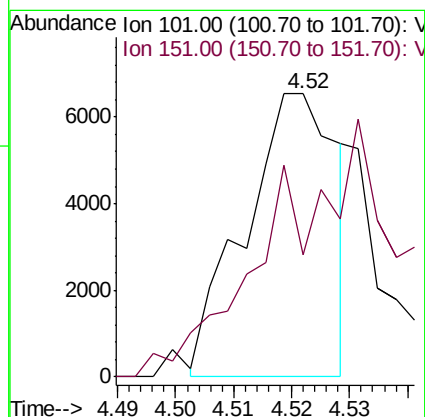
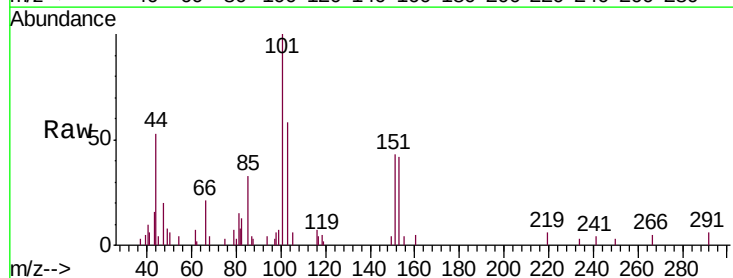
Instrument :
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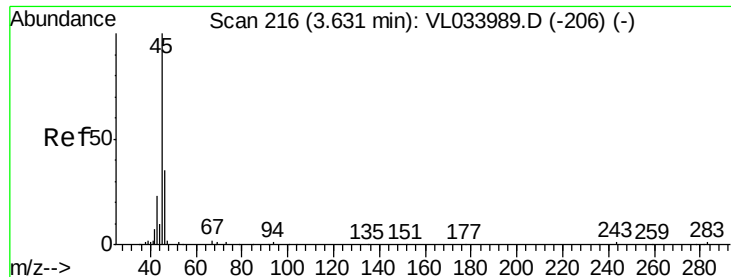
Tgt Ion:101 Resp: 50628
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.8 76.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.031 ppbv
 RT: 4.52 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

Tgt Ion:101 Resp: 7170
 Ion Ratio Lower Upper
 101 100
 151 115.4 59.0 88.4#

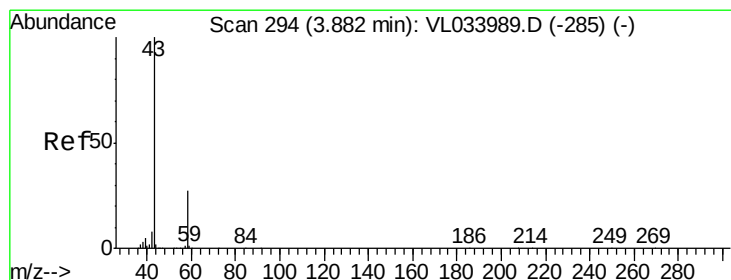
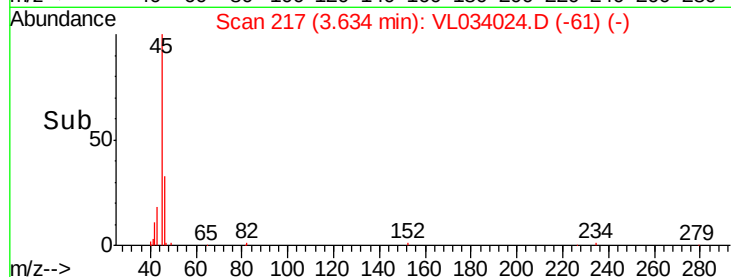
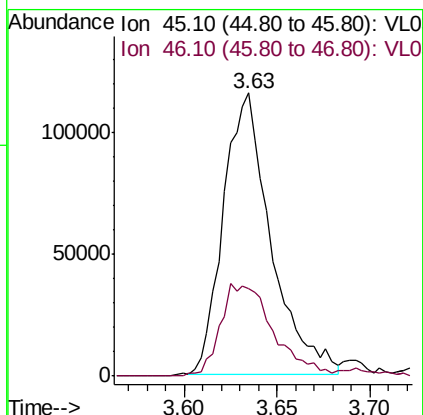
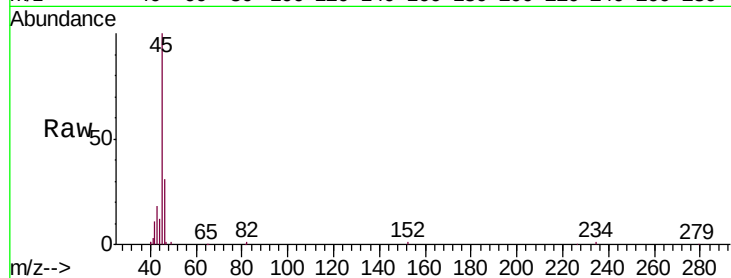




#13
Ethanol
Concen: 10.207 ppbv
RT: 3.63 min Scan# 217
Delta R.T. 0.00 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

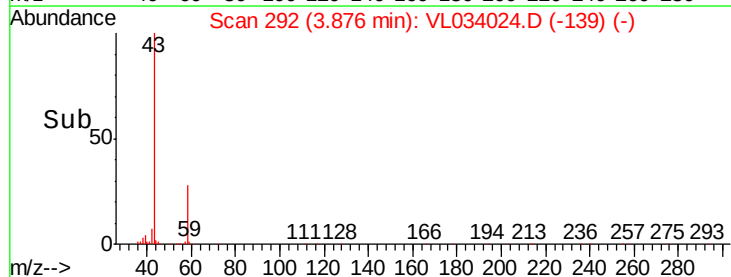
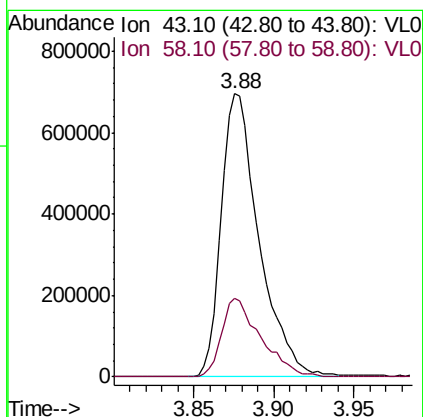
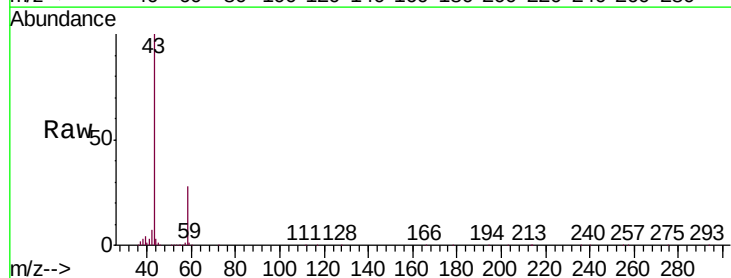
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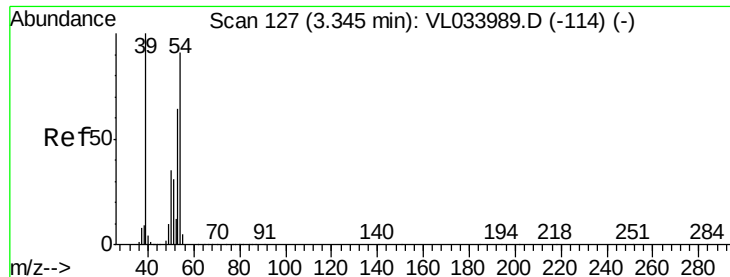
Tgt Ion: 45 Resp: 205718
Ion Ratio Lower Upper
45 100
46 38.3 16.2 64.6



#15
Acetone
Concen: 4.702 ppbv
RT: 3.88 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

Tgt Ion: 43 Resp: 1129099
Ion Ratio Lower Upper
43 100
58 28.8 21.4 32.0

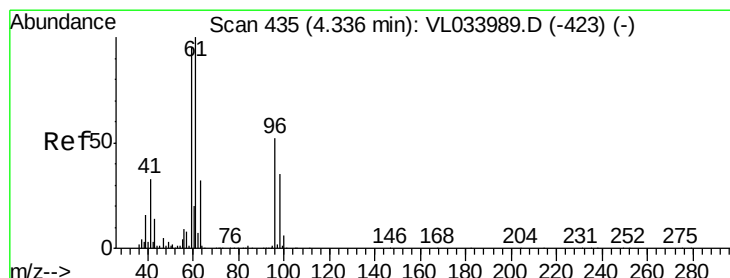
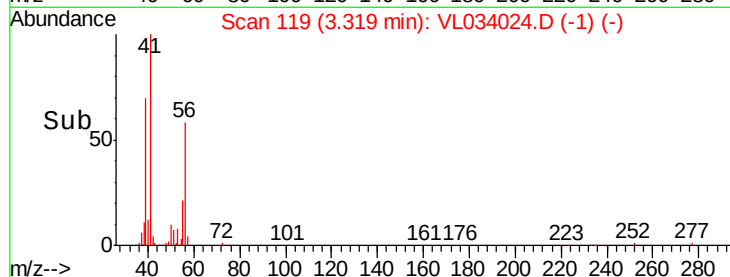
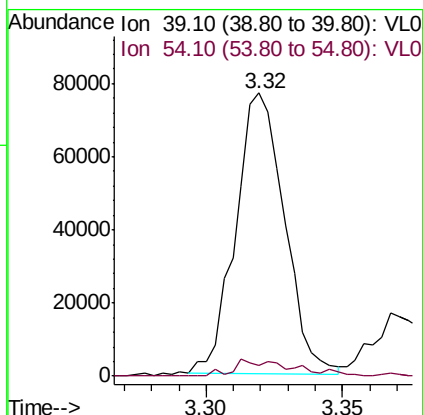
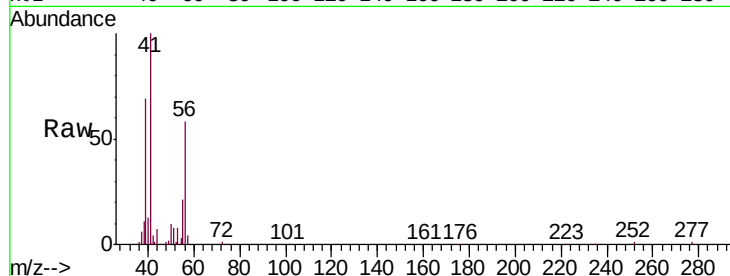




#16
 1,3-Butadiene
 Concen: 1.127 ppbv
 RT: 3.32 min Scan# 119
 Delta R.T. -0.03 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

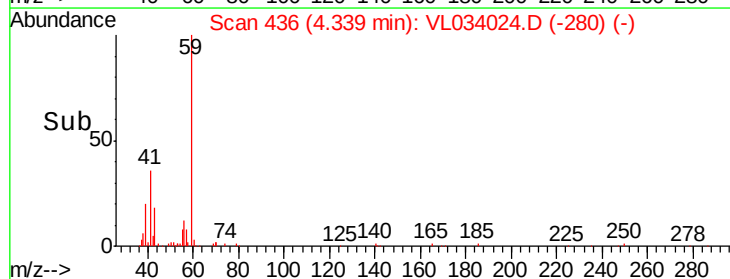
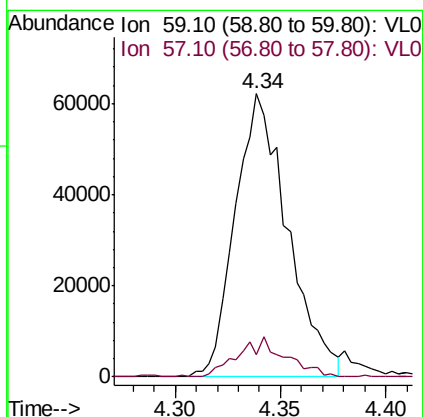
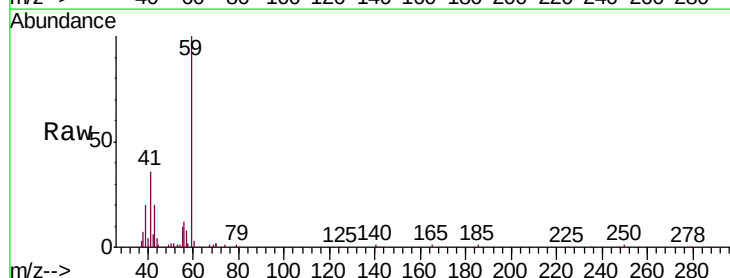
Instrument :
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 SVS-2

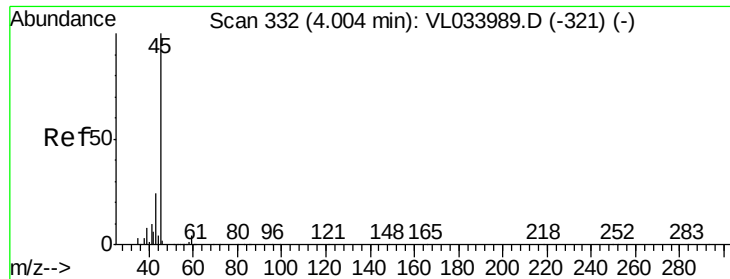
Tgt Ion: 39 Resp: 95529
 Ion Ratio Lower Upper
 39 100
 54 7.8 71.4 107.2#



#17
 tert-Butyl alcohol
 Concen: 0.560 ppbv
 RT: 4.34 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

Tgt Ion: 59 Resp: 107199
 Ion Ratio Lower Upper
 59 100
 57 13.0 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 0.673 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

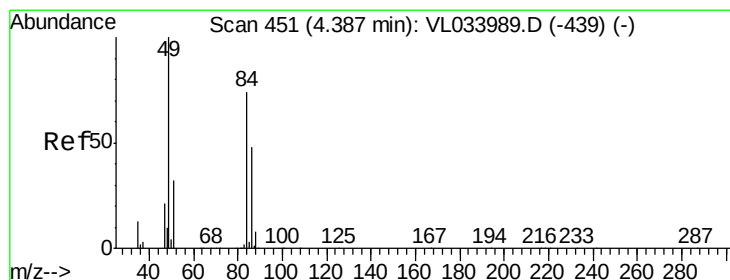
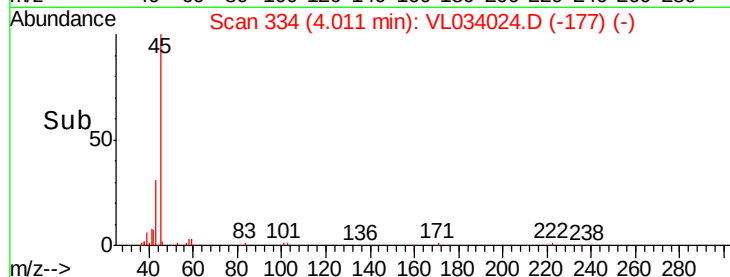
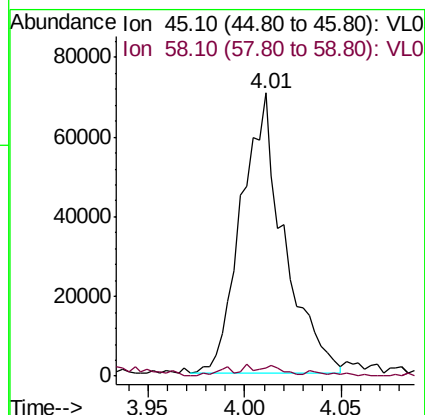
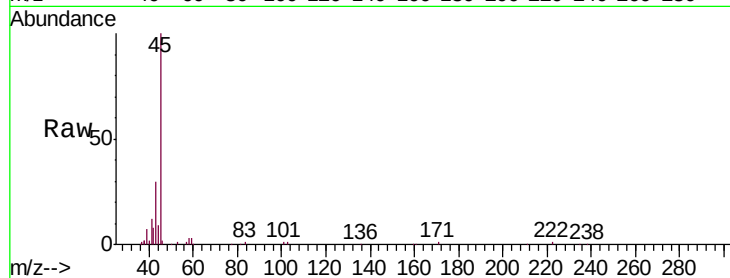
SVS-2

Tgt Ion: 45 Resp: 108545

Ion Ratio Lower Upper

45 100

58 300.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.678 ppbv

RT: 4.38 min Scan# 450

Delta R.T. -0.00 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Tgt Ion: 84 Resp: 70964

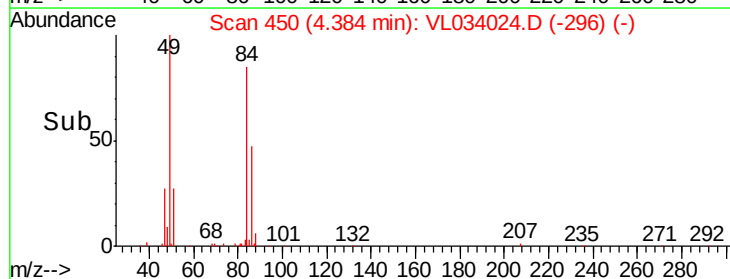
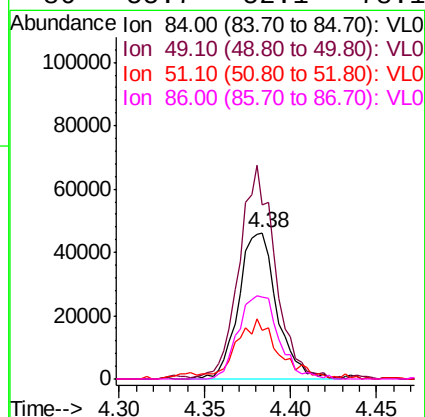
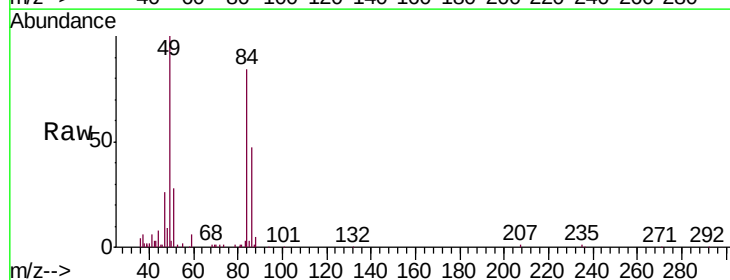
Ion Ratio Lower Upper

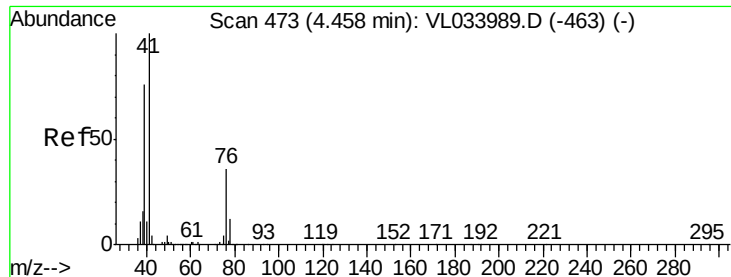
84 100

49 117.7 107.6 161.4

51 32.1 35.0 52.6#

86 55.7 52.1 78.1





#21

Allyl Chloride

Concen: 0.273 ppbv

RT: 4.34 min Scan# 437

Delta R.T. -0.12 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

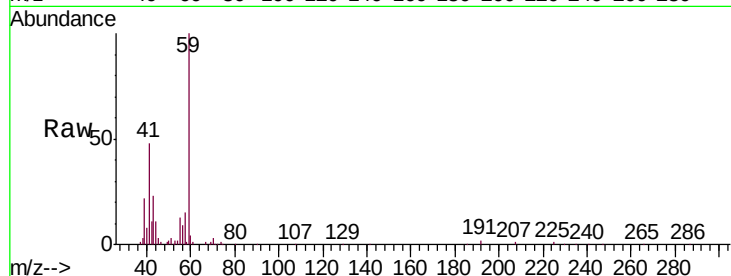
Tgt Ion: 41 Resp: 40884

Ion Ratio Lower Upper

41 100

76 0.0 26.8 40.2#

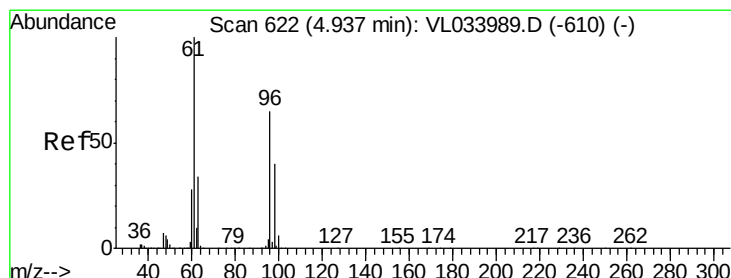
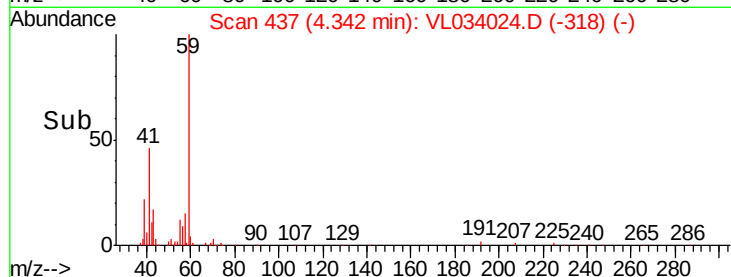
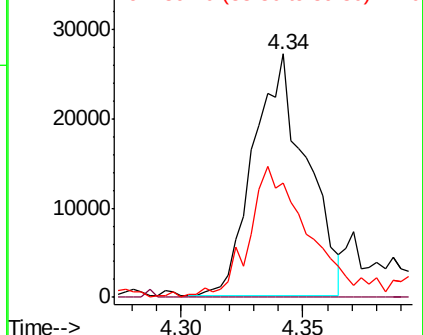
39 60.4 63.1 94.7#



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



#22

trans-1,2-Dichloroethene

Concen: 0.051 ppbv

RT: 4.93 min Scan# 619

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

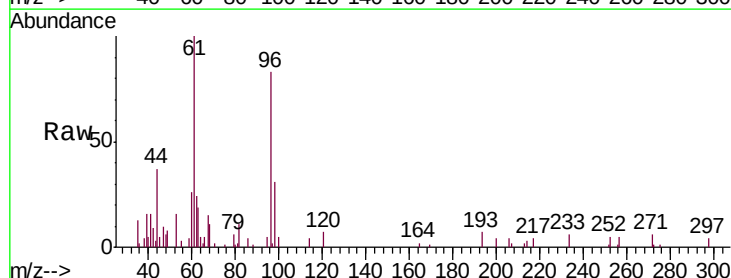
Tgt Ion: 96 Resp: 5104

Ion Ratio Lower Upper

96 100

61 64.8 122.9 184.3#

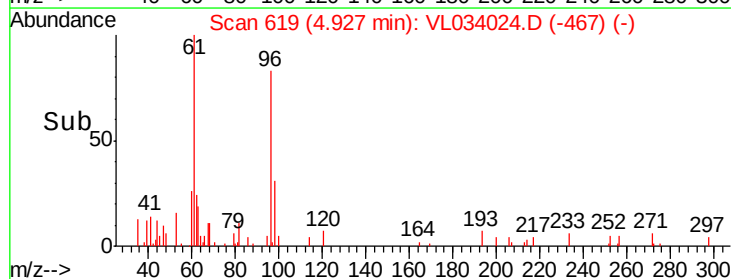
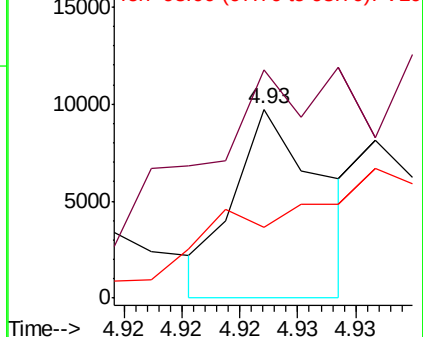
98 14.7 49.6 74.4#

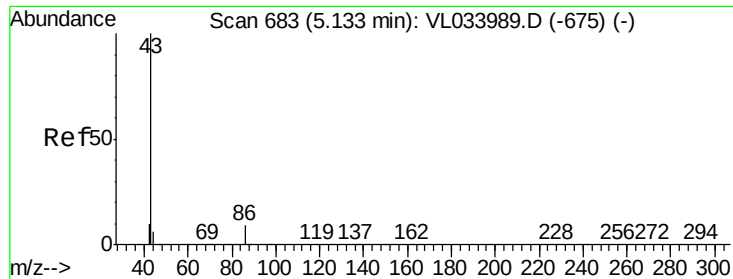


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

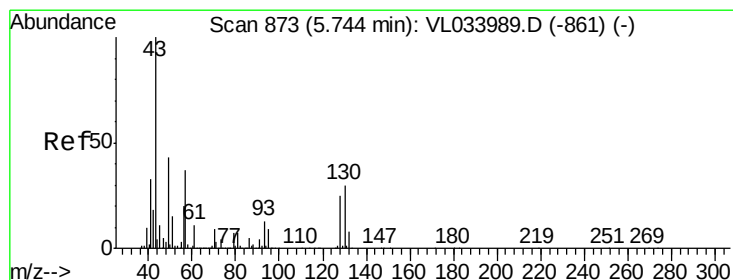
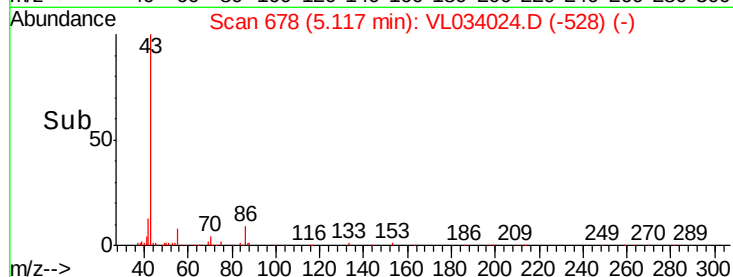
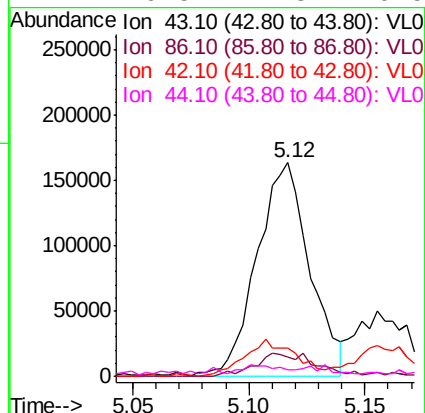
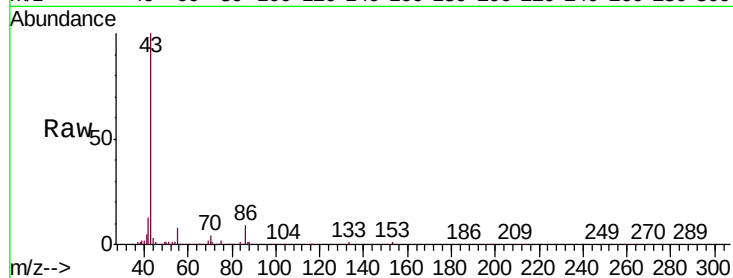




#23
 Vinyl Acetate
 Concen: 1.076 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

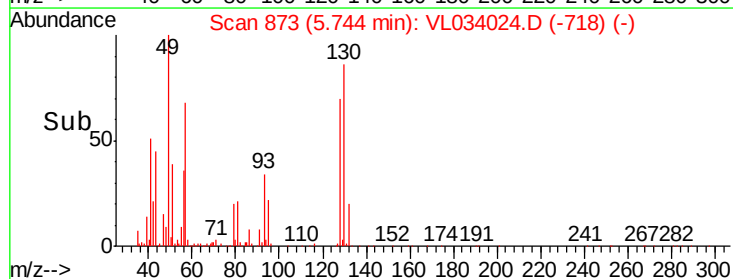
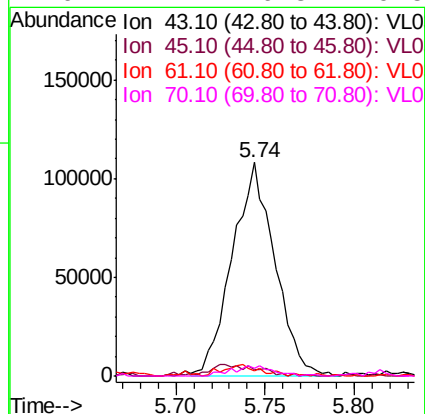
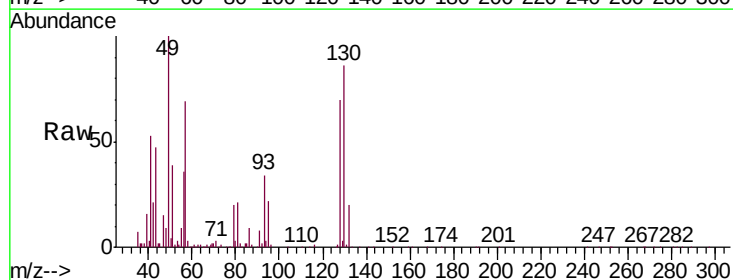
Instrument :
 MSVOA_L
 ClientSampleID :
 SVS-2

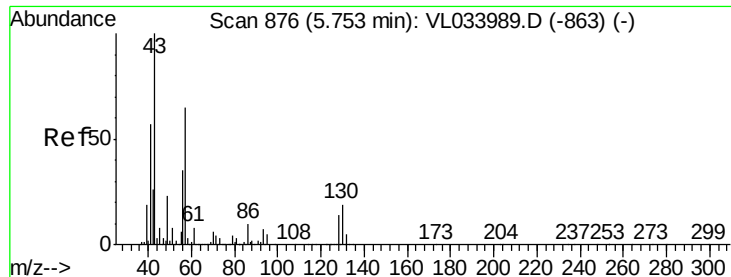
Tgt Ion:	43	Resp:	257957
Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.6	9.8
42	12.7	8.3	12.5#
44	0.5	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 0.546 ppbv
 RT: 5.74 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

Tgt Ion:	43	Resp:	179211
Ion	Ratio	Lower	Upper
43	100		
45	6.6	8.1	12.1#
61	0.0	8.1	12.1#
70	4.7	6.3	9.5#





#26

Hexane

Concen: 1.445 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

Tgt Ion: 57 Resp: 217108

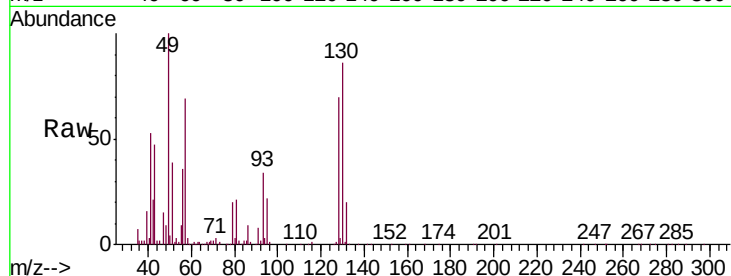
Ion Ratio Lower Upper

57 100

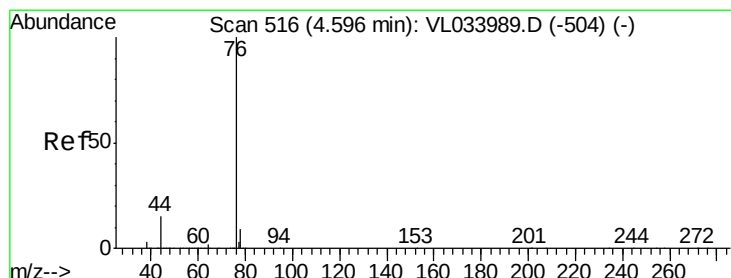
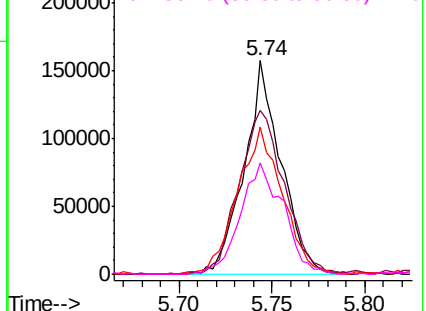
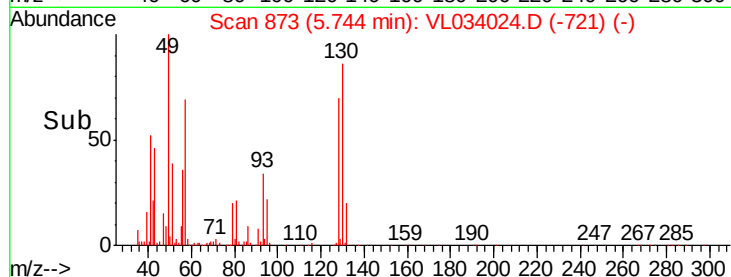
41 96.1 70.6 105.8

43 84.0 177.6 266.4#

56 60.6 42.6 64.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.214 ppbv

RT: 4.59 min Scan# 515

Delta R.T. -0.00 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

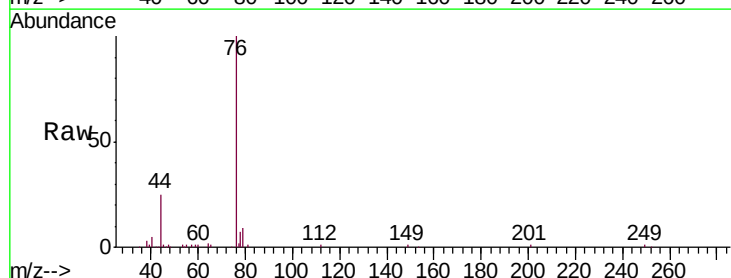
Tgt Ion: 76 Resp: 54599

Ion Ratio Lower Upper

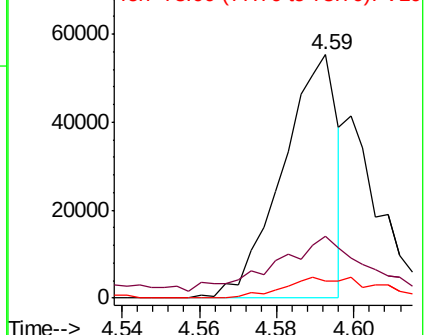
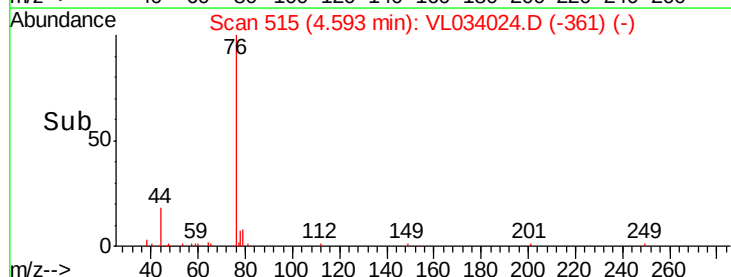
76 100

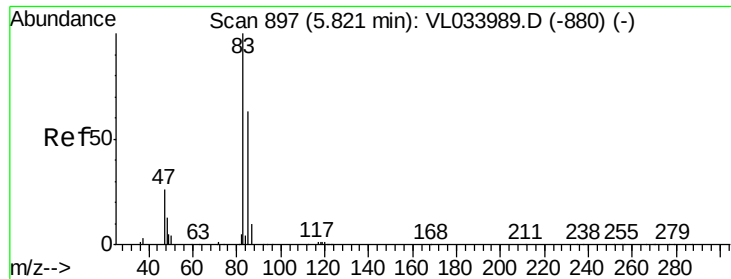
44 41.4 12.6 18.8#

78 14.9 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.791 ppbv

RT: 5.81 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

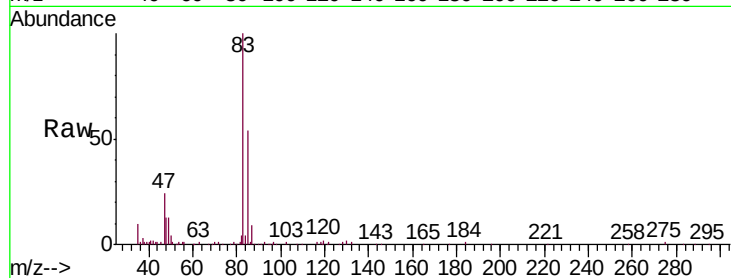
SVS-2

Tgt Ion: 83 Resp: 223343

Ion Ratio Lower Upper

83 100

85 54.1 50.6 75.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

150000

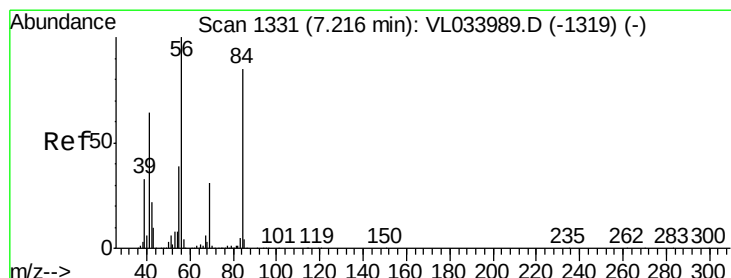
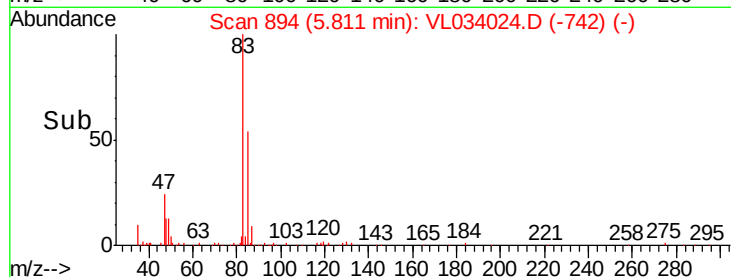
100000

50000

0

5.75 5.80 5.85

Time-->



#30

Cyclohexane

Concen: 0.040 ppbv

RT: 7.19 min Scan# 1324

Delta R.T. -0.02 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

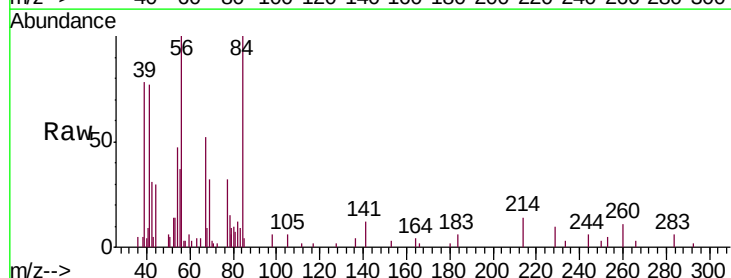
Tgt Ion: 84 Resp: 4596

Ion Ratio Lower Upper

84 100

56 0.0 103.7 155.5#

41 0.0 62.6 94.0#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

15000

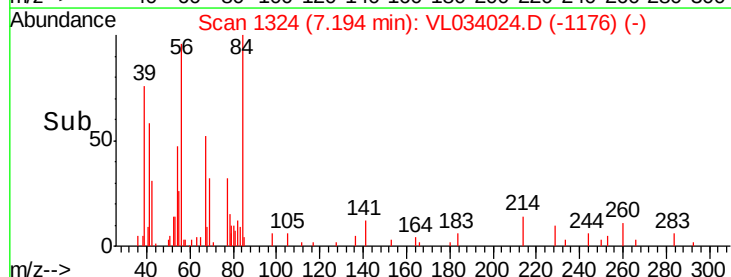
10000

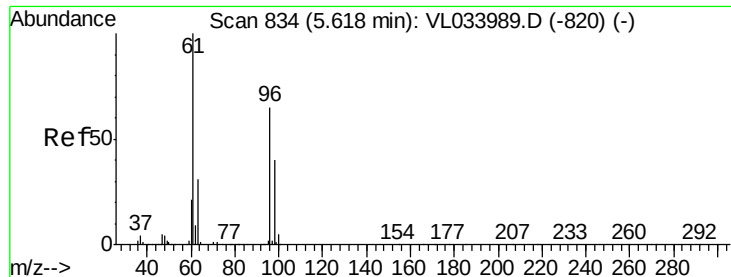
5000

0

7.18 7.19 7.20 7.20

Time-->





#31

cis-1,2-Dichloroethene

Concen: 1.368 ppbv

RT: 5.60 min Scan# 829

Delta R.T. -0.02 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

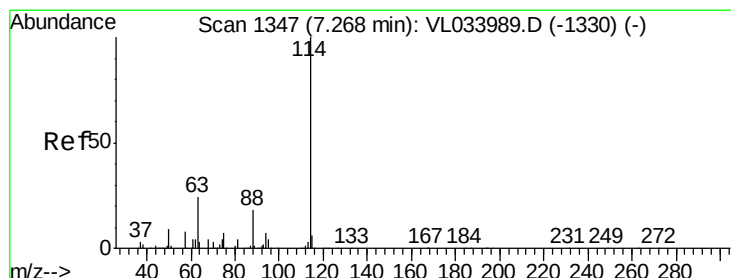
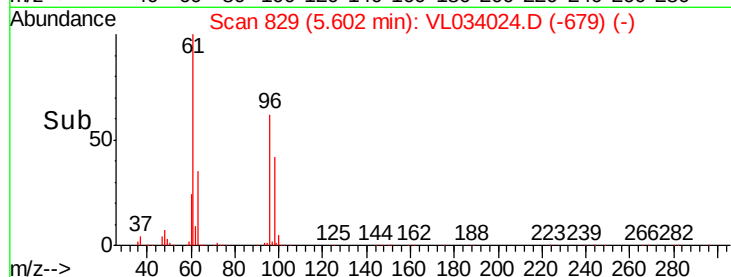
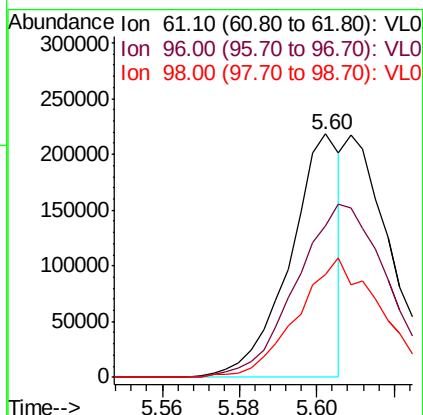
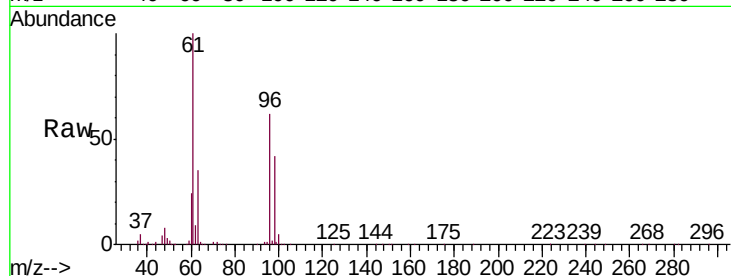
Tgt Ion: 61 Resp: 198592

Ion Ratio Lower Upper

61 100

96 61.9 51.8 77.6

98 42.4 32.1 48.1



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

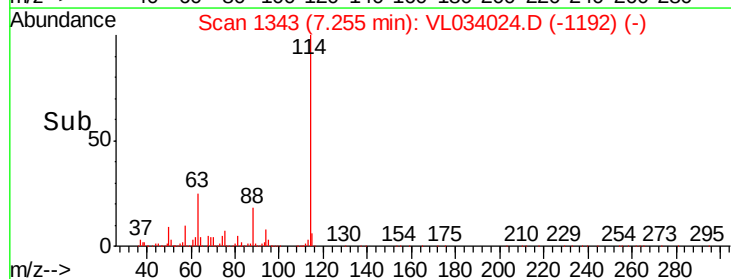
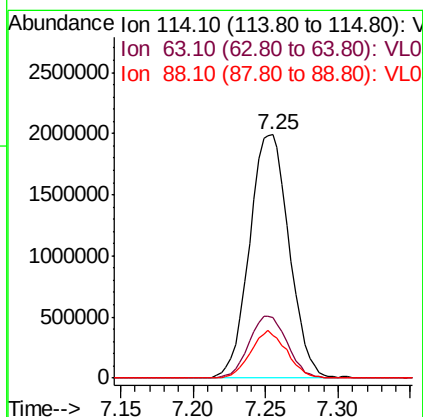
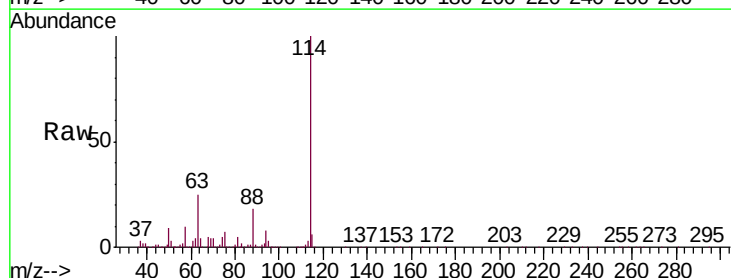
Tgt Ion: 114 Resp: 3783514

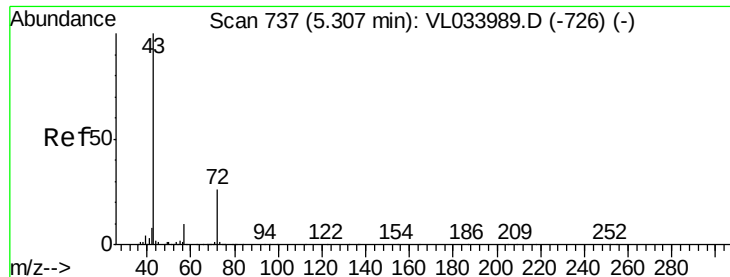
Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.2

88 17.9 14.1 21.1

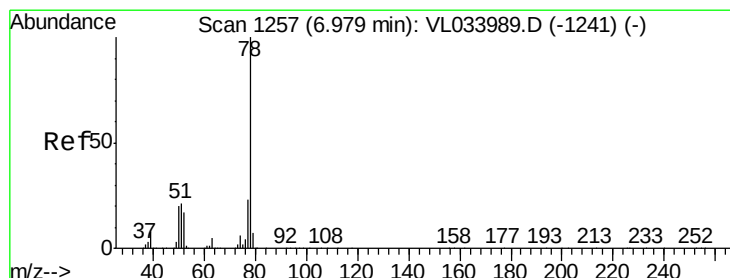
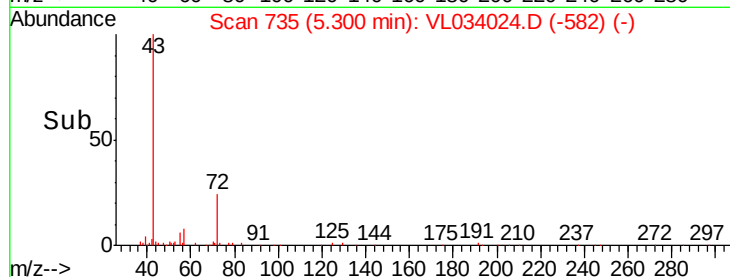
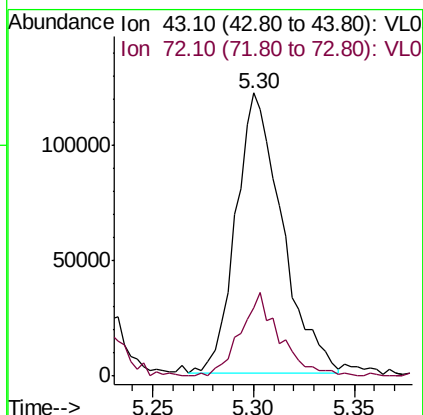
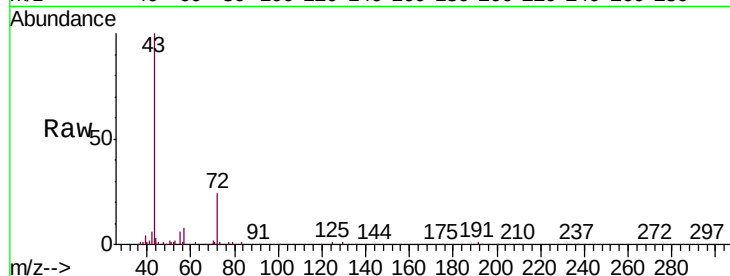




#34
2-Butanone
Concen: 0.978 ppbv
RT: 5.30 min Scan# 735
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

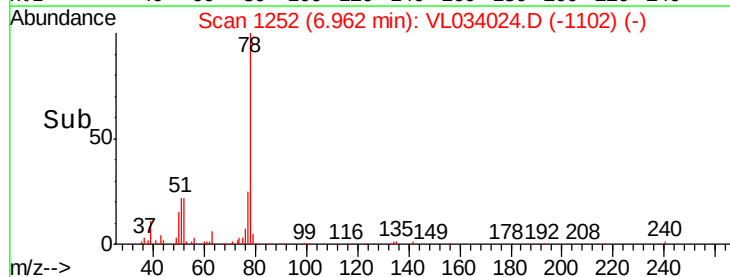
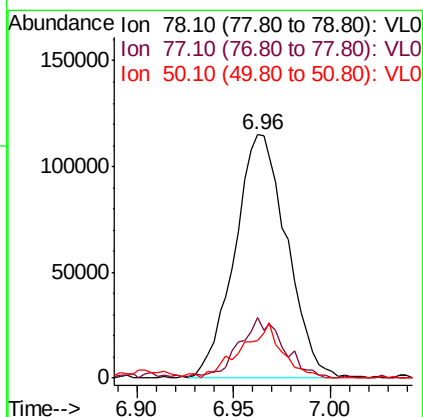
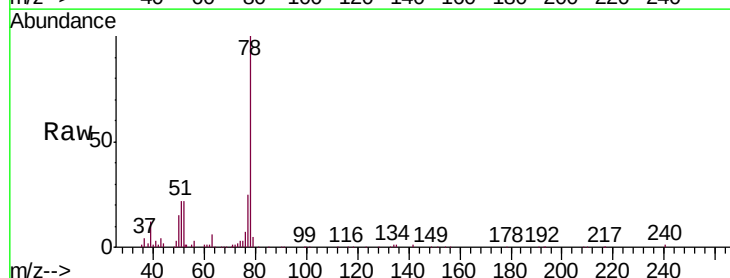
Instrument :
MSVOA_L
ClientSampleId :
SVS-2

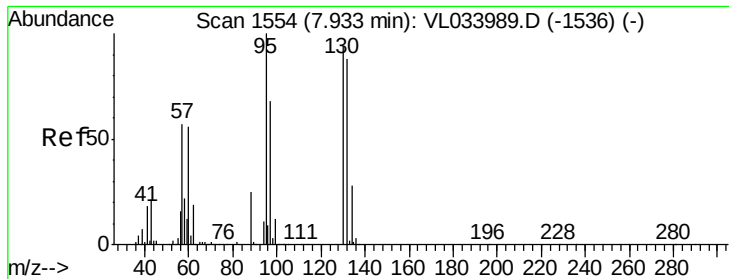
Tgt Ion: 43 Resp: 195765
Ion Ratio Lower Upper
43 100
72 25.7 19.9 29.9



#36
Benzene
Concen: 0.721 ppbv
RT: 6.96 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

Tgt Ion: 78 Resp: 213366
Ion Ratio Lower Upper
78 100
77 25.1 18.7 28.1
50 15.1 16.2 24.2#





#38

Trichloroethene

Concen: 3.030 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

Tgt Ion:130 Resp: 399129

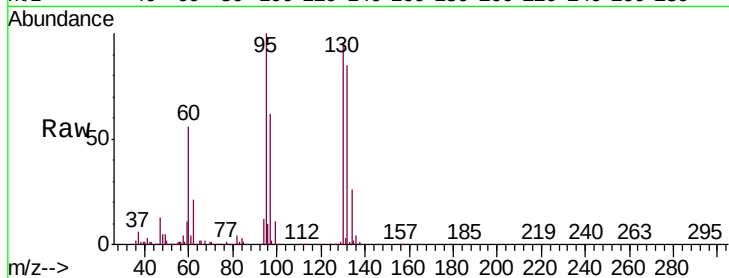
Ion Ratio Lower Upper

130 100

95 104.2 85.5 128.3

132 88.7 75.1 112.7

97 64.3 58.1 87.1

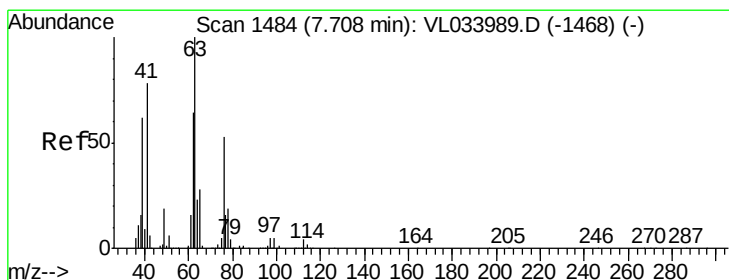
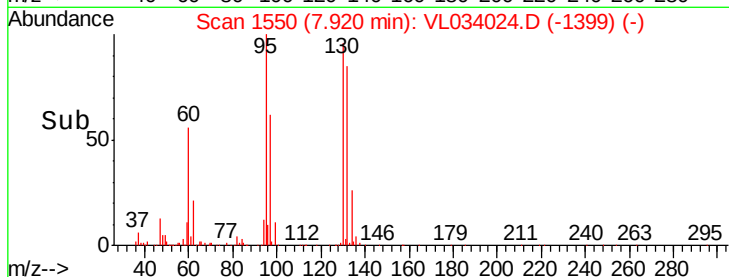
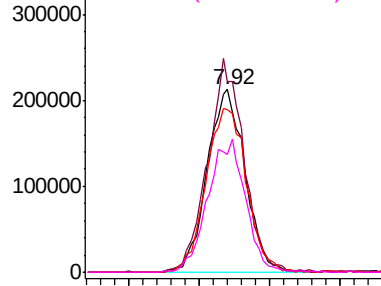


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.462 ppbv

RT: 7.25 min Scan# 1342

Delta R.T. -0.46 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

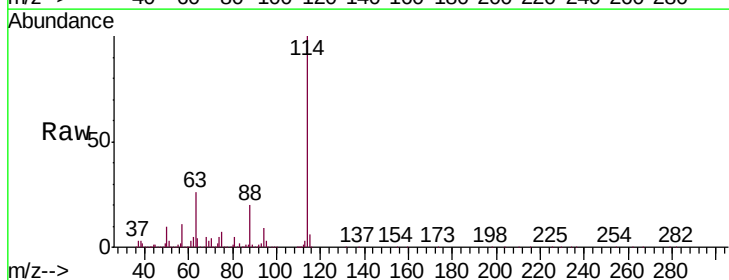
Tgt Ion: 63 Resp: 931540

Ion Ratio Lower Upper

63 100

41 0.0 62.3 93.5#

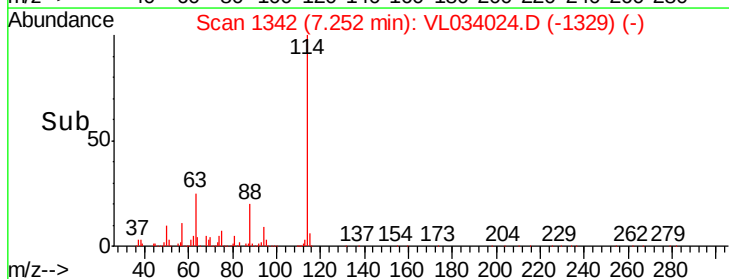
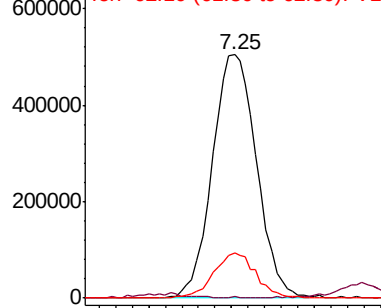
62 18.9 51.4 77.2#

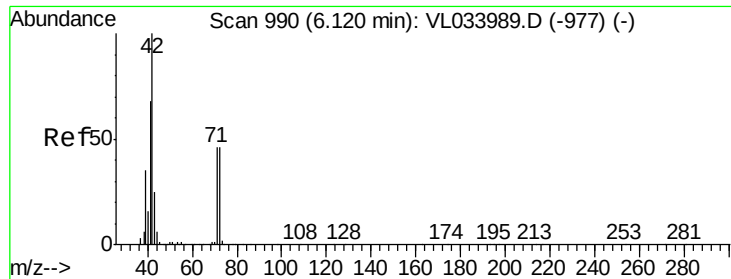


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.050 ppbv

RT: 6.11 min Scan# 986

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

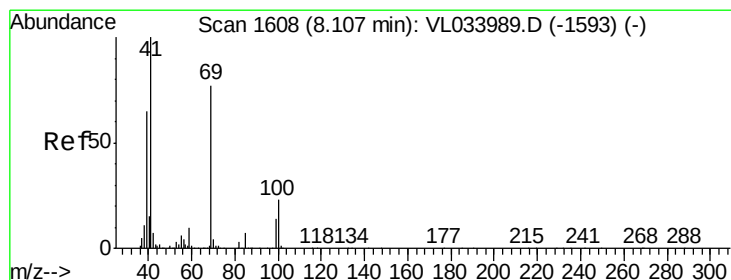
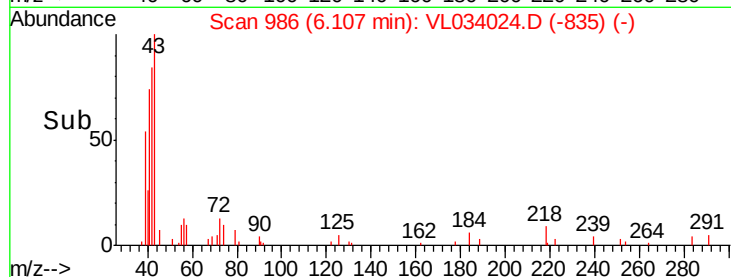
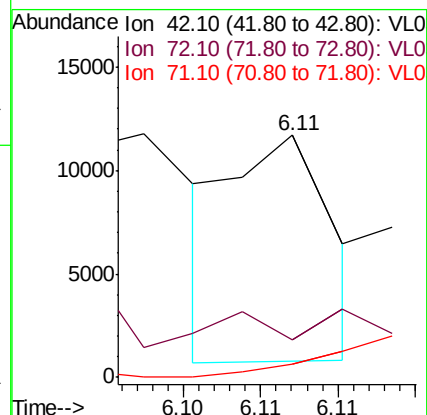
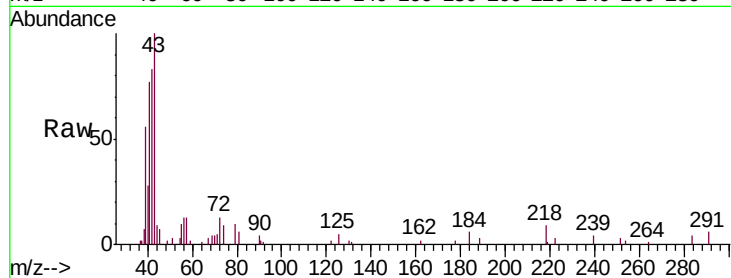
Tgt Ion: 42 Resp: 4934

Ion Ratio Lower Upper

42 100

72 0.0 37.3 55.9#

71 0.0 36.2 54.2#



#43

Methyl Methacrylate

Concen: 0.050 ppbv

RT: 8.09 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

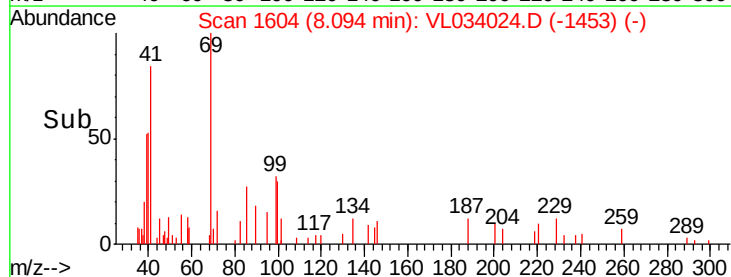
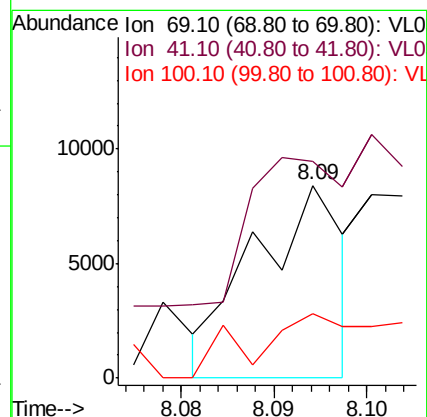
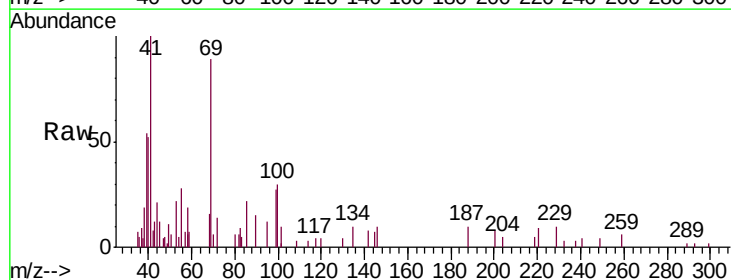
Tgt Ion: 69 Resp: 5612

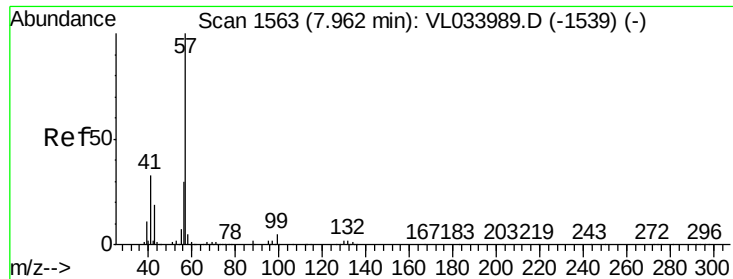
Ion Ratio Lower Upper

69 100

41 0.0 109.1 163.7#

100 102.0 25.3 37.9#

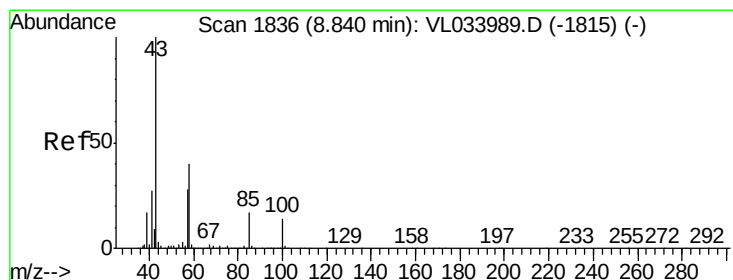
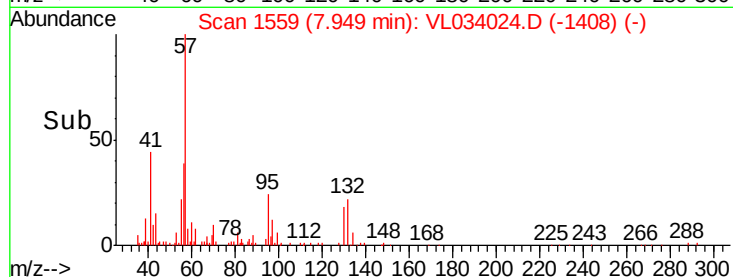
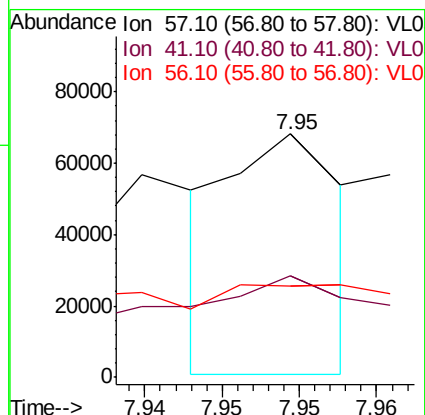
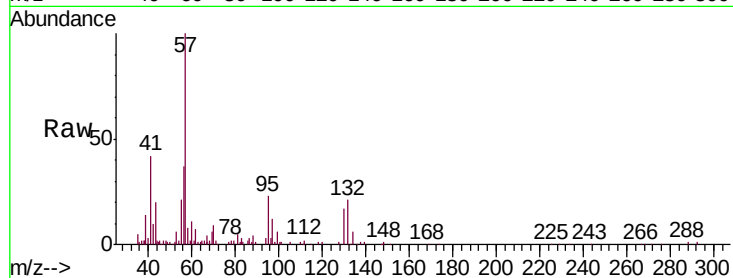




#44
 2,2,4-Trimethylpentane
 Concen: 0.067 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

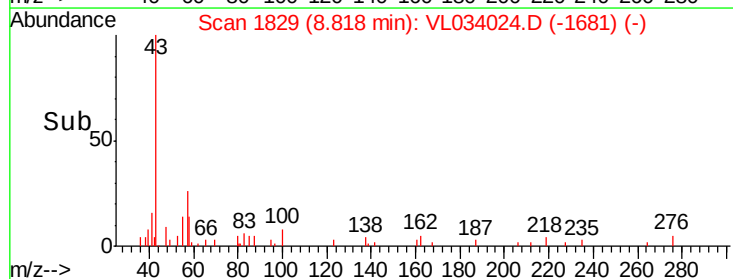
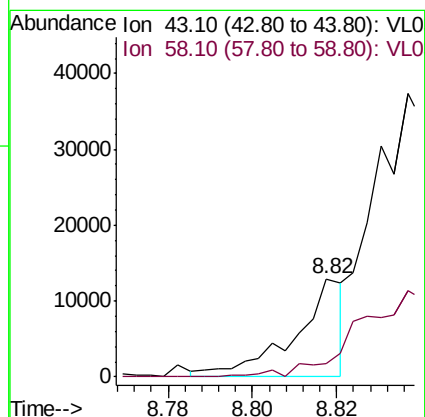
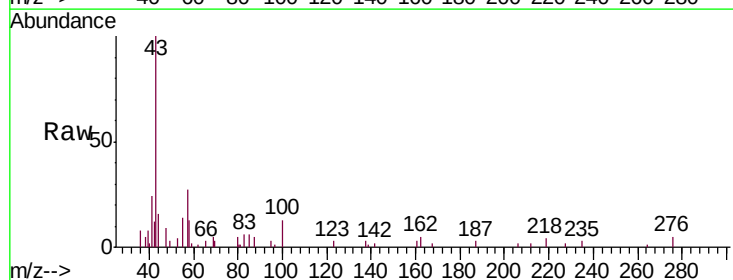
Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-2

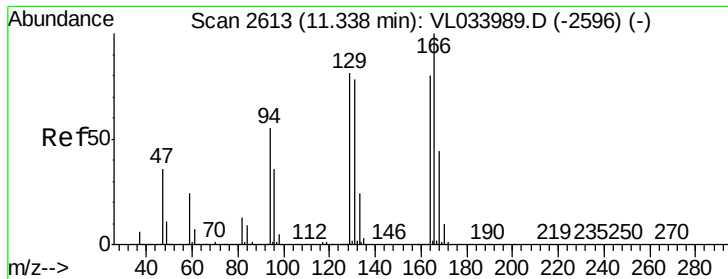
Tgt Ion: 57 Resp: 34114
 Ion Ratio Lower Upper
 57 100
 41 174.9 26.1 39.1#
 56 179.3 24.4 36.6#



#50
 4-Methyl-2-Pentanone
 Concen: 0.035 ppbv
 RT: 8.82 min Scan# 1829
 Delta R.T. -0.02 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

Tgt Ion: 43 Resp: 10429
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.3 45.5#





#52

Tetrachloroethene

Concen: 0.324 ppbv

RT: 11.33 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

SVS-2

Tgt Ion:164 Resp: 41298

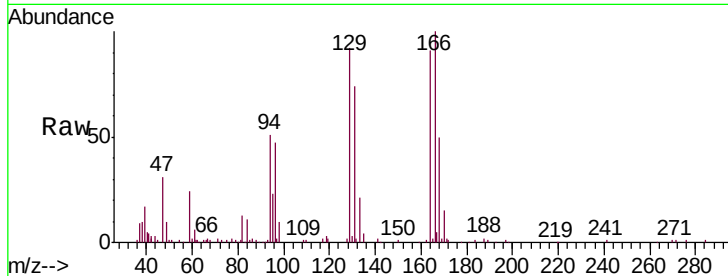
Ion Ratio Lower Upper

164 100

166 109.3 100.2 150.2

129 99.7 81.0 121.6

131 78.5 78.3 117.5

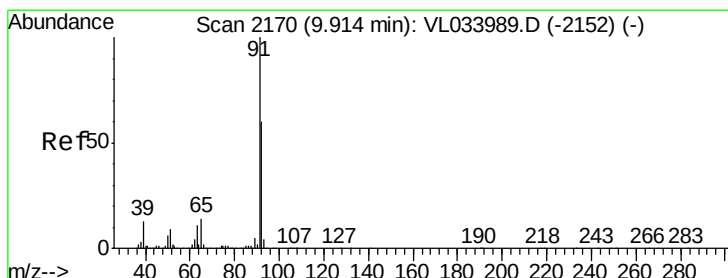
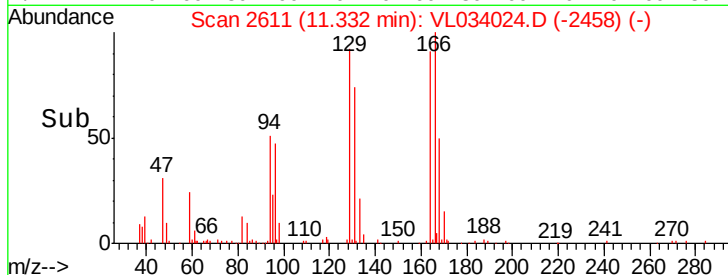
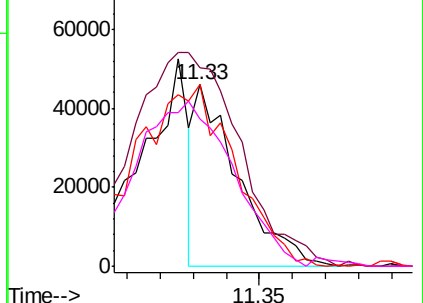


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.298 ppbv

RT: 9.90 min Scan# 2166

Delta R.T. -0.01 min

Lab File: VL034024.D

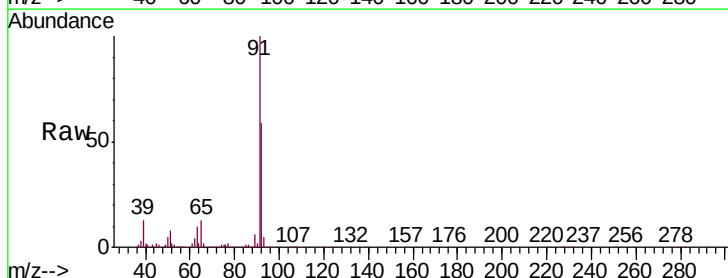
Acq: 11 Jul 2019 19:24

Tgt Ion: 91 Resp: 4167731

Ion Ratio Lower Upper

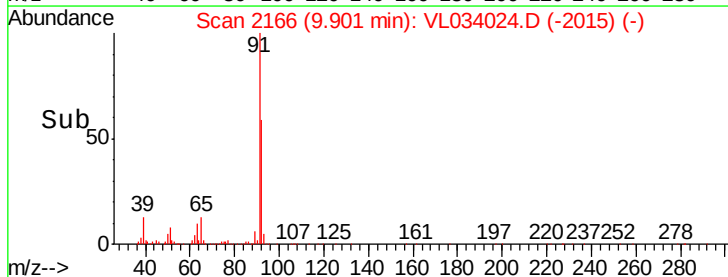
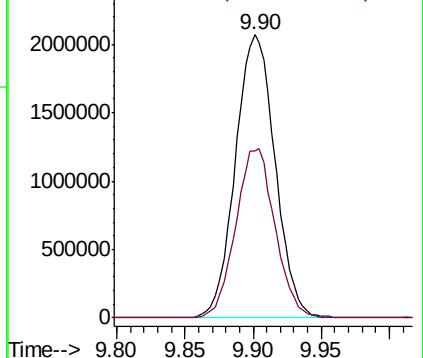
91 100

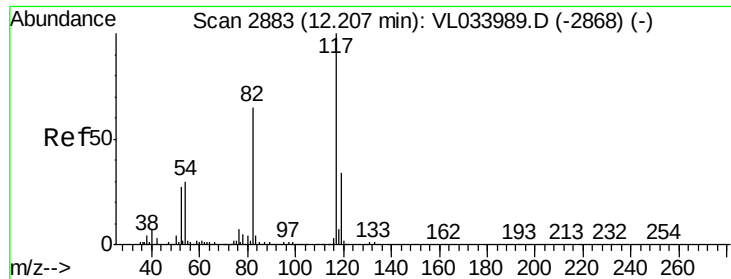
92 59.7 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

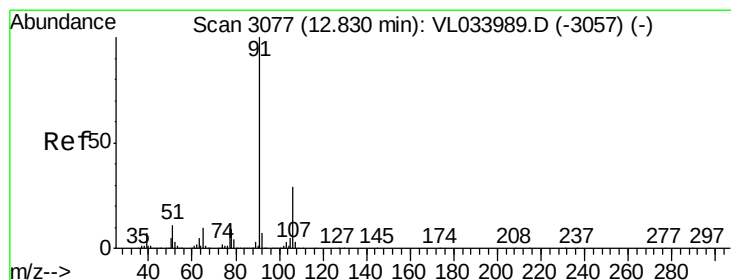
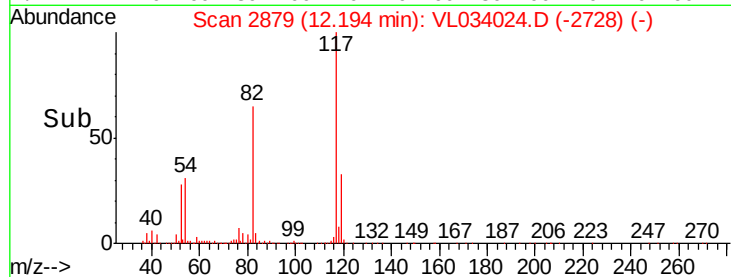
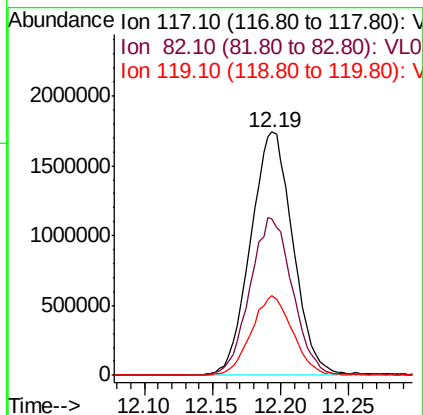
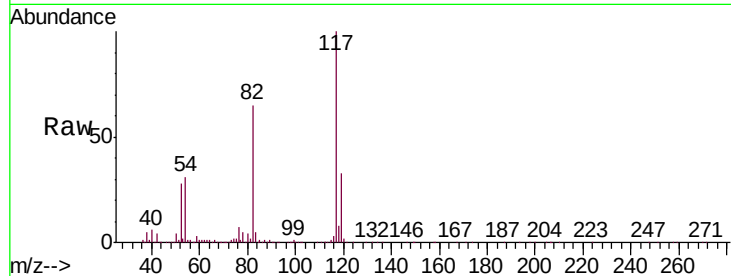




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2879
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

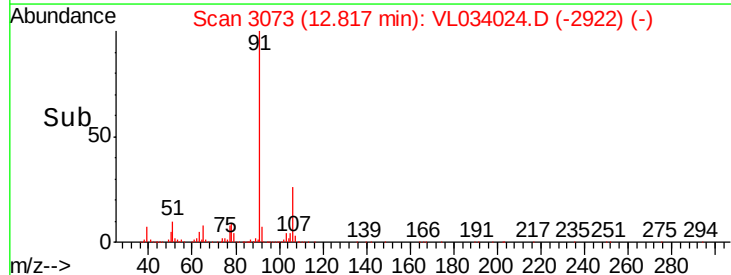
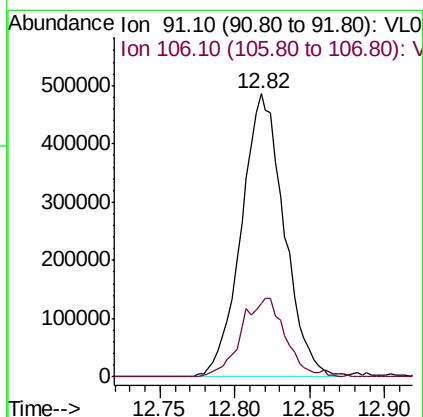
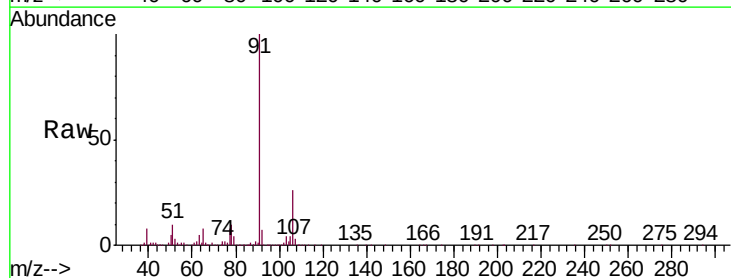
Instrument :
MSVOA_L
ClientSampleId :
SVS-2

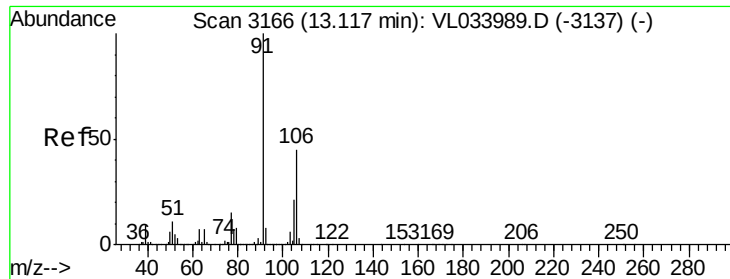
Tgt Ion: 117 Resp: 3751578
Ion Ratio Lower Upper
117 100
82 65.2 50.8 76.2
119 32.2 24.0 36.0



#58
Ethyl Benzene
Concen: 2.131 ppbv
RT: 12.82 min Scan# 3073
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

Tgt Ion: 91 Resp: 961196
Ion Ratio Lower Upper
91 100
106 26.1 23.3 34.9

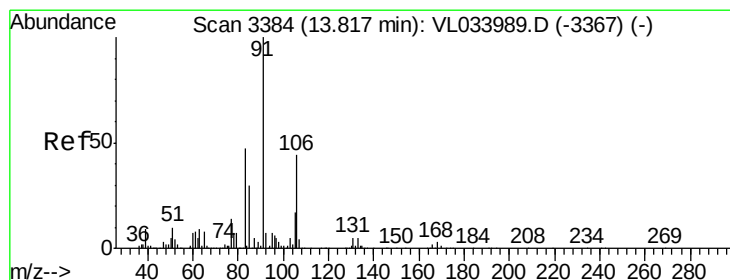
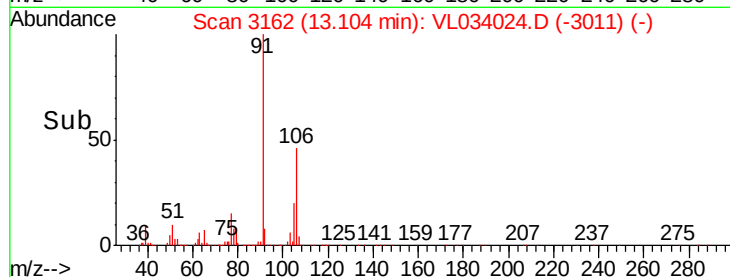
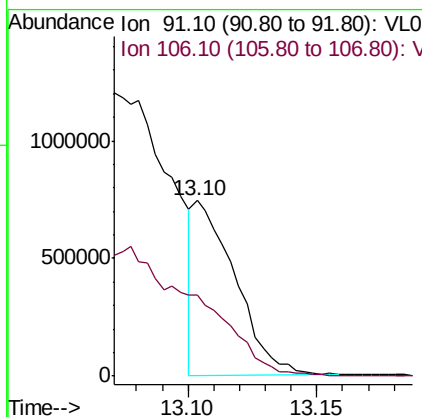
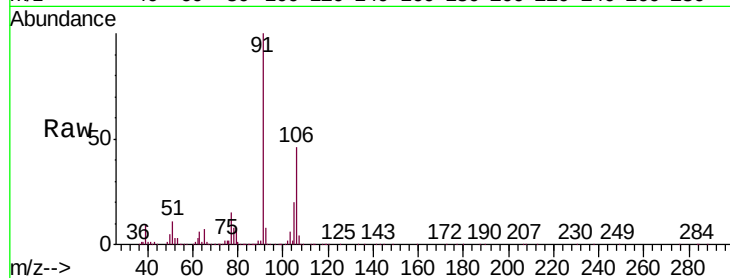




#59
m/p-Xylene
Concen: 2.013 ppbv
RT: 13.10 min Scan# 3162
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

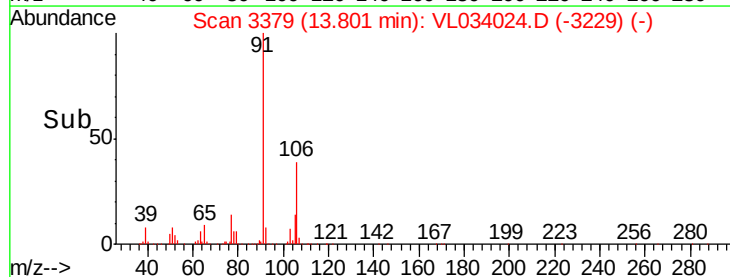
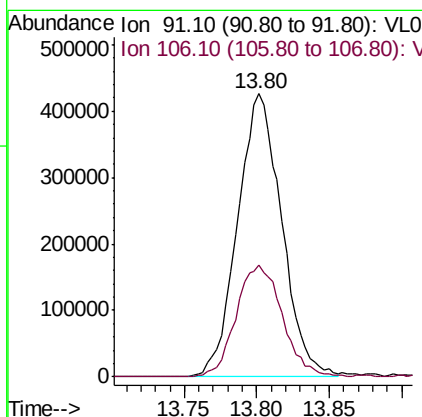
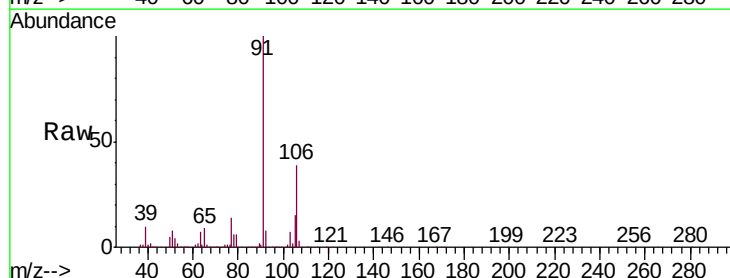
Instrument :
MSVOA_L
ClientSampleId :
SVS-2

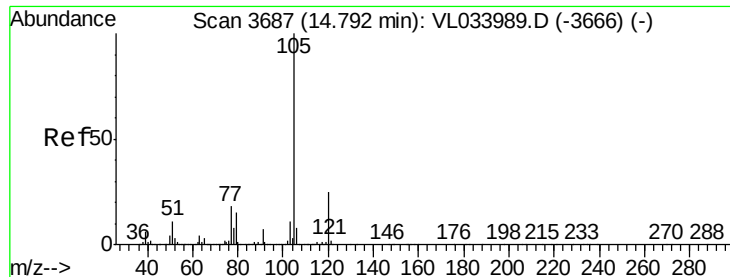
Tgt Ion: 91 Resp: 822256
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#



#60
o-Xylene
Concen: 2.185 ppbv
RT: 13.80 min Scan# 3379
Delta R.T. -0.02 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

Tgt Ion: 91 Resp: 892939
Ion Ratio Lower Upper
91 100
106 42.0 21.9 65.7





#62

Isopropylbenzene

Concen: 0.078 ppbv

RT: 14.78 min Scan# 3684

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

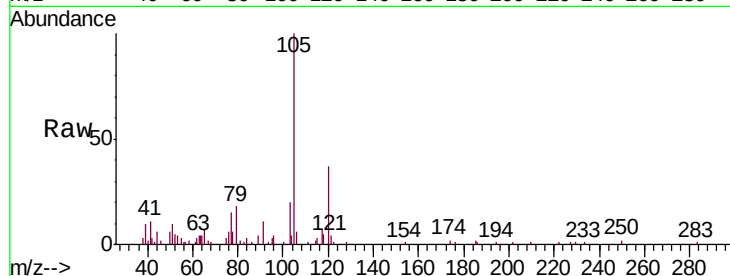
SVS-2

Tgt Ion:105 Resp: 49045

Ion Ratio Lower Upper

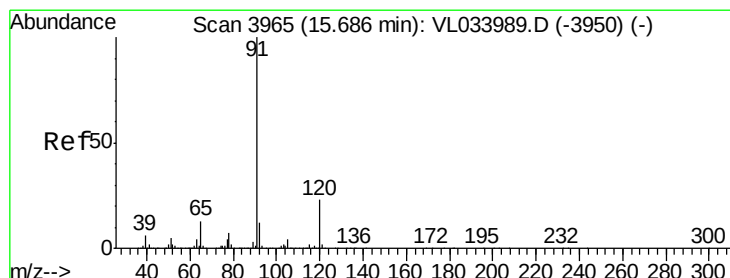
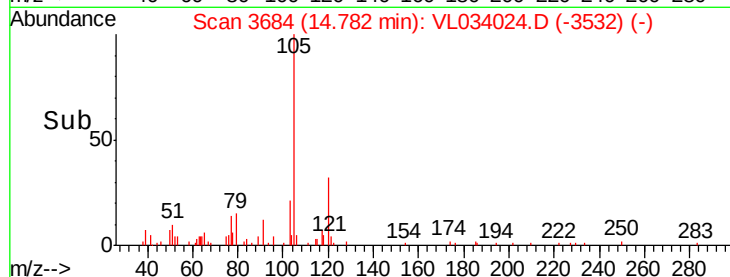
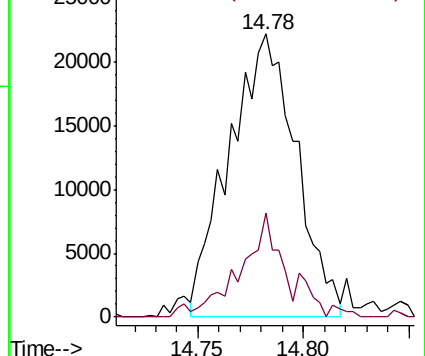
105 100

120 25.8 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.262 ppbv

RT: 15.67 min Scan# 3961

Delta R.T. -0.01 min

Lab File: VL034024.D

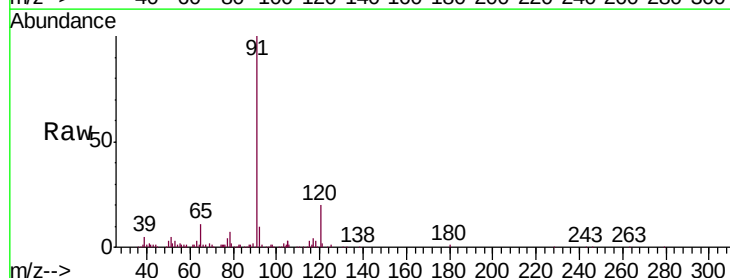
Acq: 11 Jul 2019 19:24

Tgt Ion:120 Resp: 42614

Ion Ratio Lower Upper

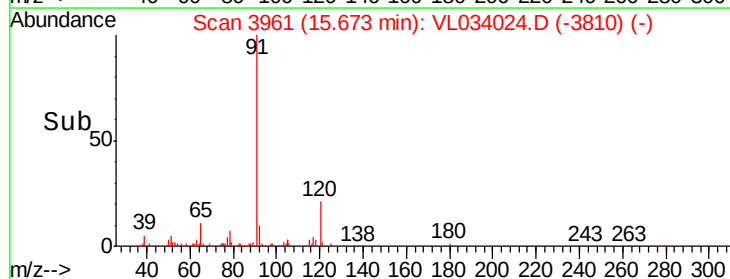
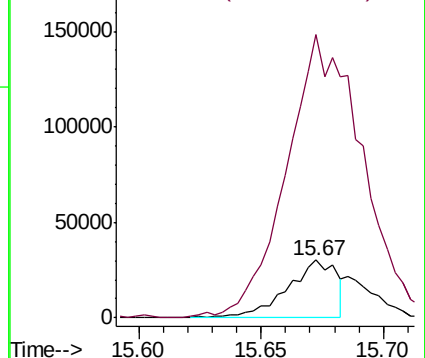
120 100

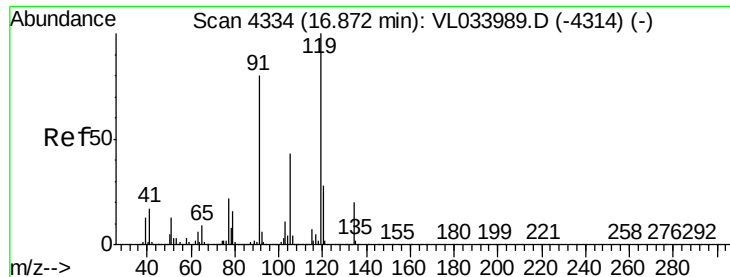
91 757.8 386.6 579.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.342 ppbv

RT: 16.88 min Scan# 4336

Delta R.T. 0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleID :

SVS-2

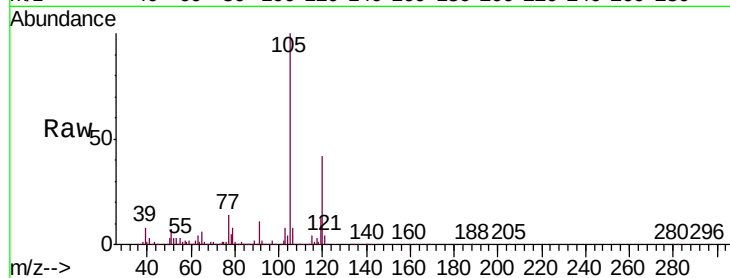
Tgt Ion:119 Resp: 182633

Ion Ratio Lower Upper

119 100

91 111.4 67.0 100.6#

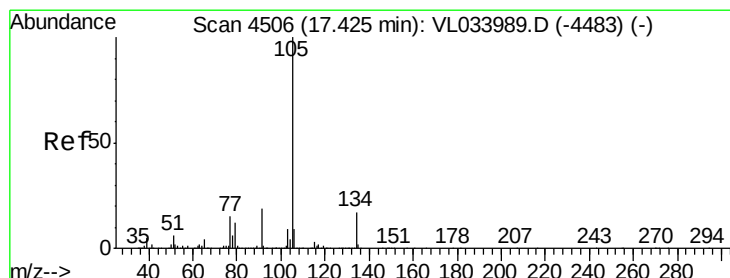
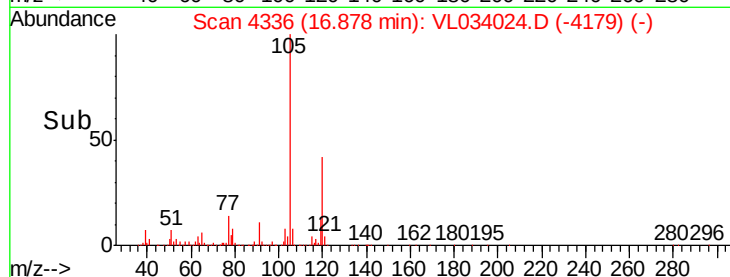
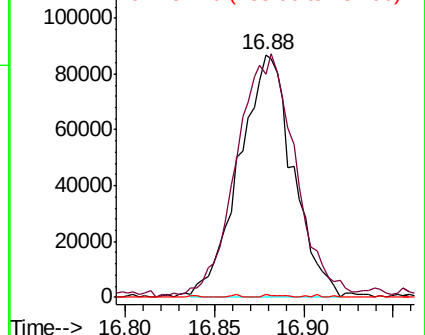
134 0.9 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#67

sec-Butylbenzene

Concen: 0.036 ppbv

RT: 17.41 min Scan# 4502

Delta R.T. -0.01 min

Lab File: VL034024.D

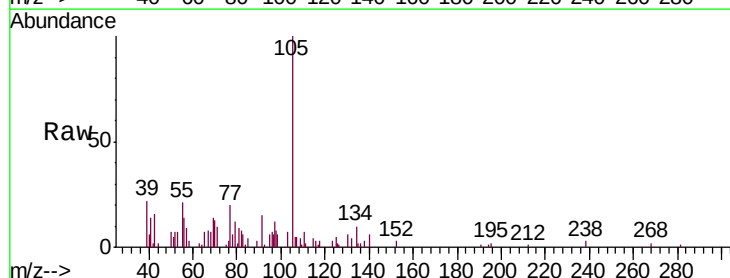
Acq: 11 Jul 2019 19:24

Tgt Ion:105 Resp: 26645

Ion Ratio Lower Upper

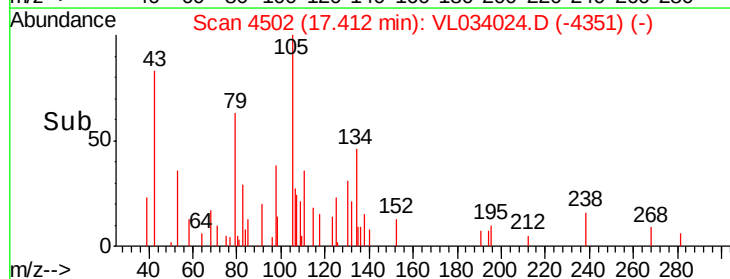
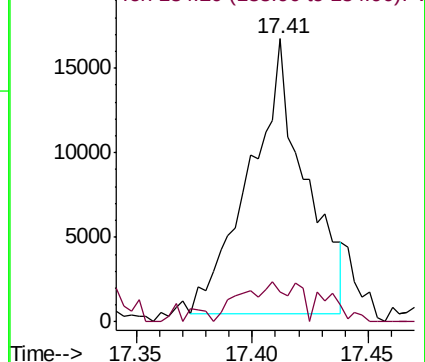
105 100

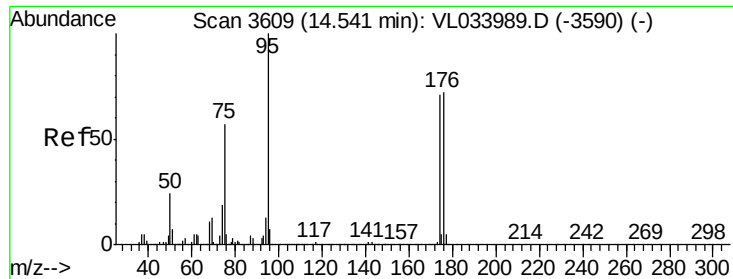
134 21.1 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

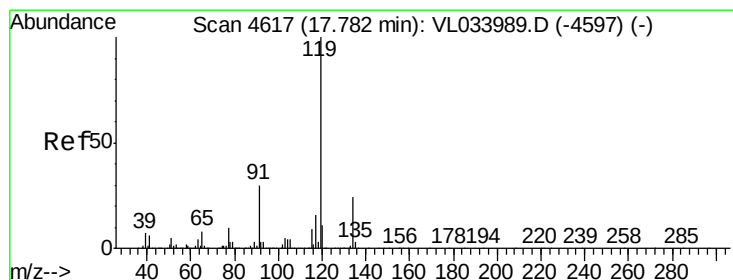
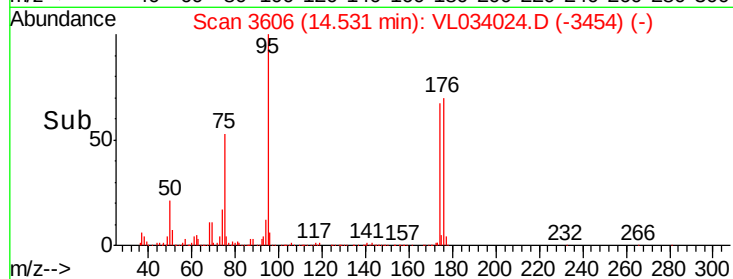
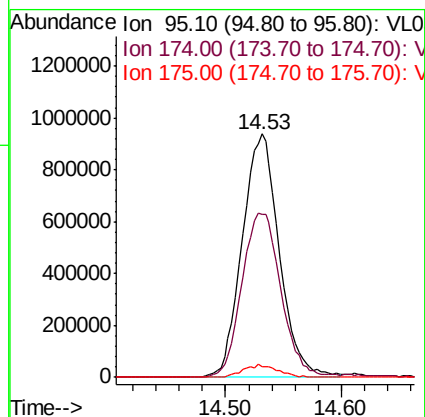
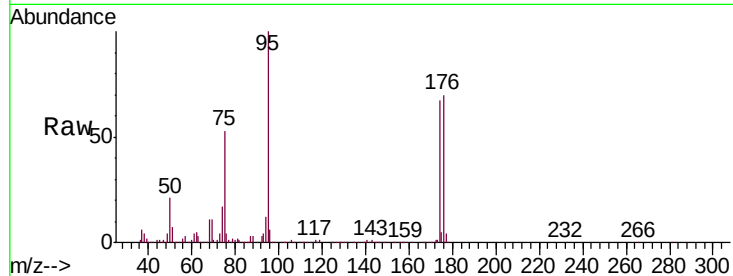




#68
1-Bromo-4-Fluorobenzene
Concen: 6.522 ppbv
RT: 14.53 min Scan# 3606
Delta R.T. -0.01 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

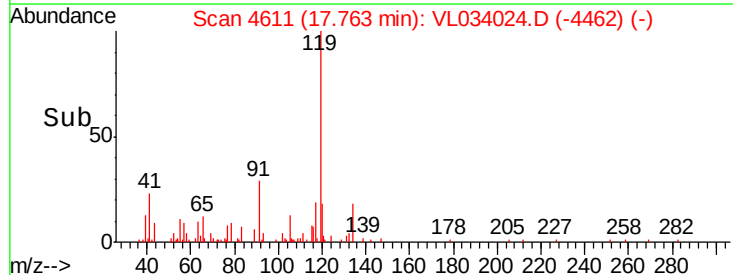
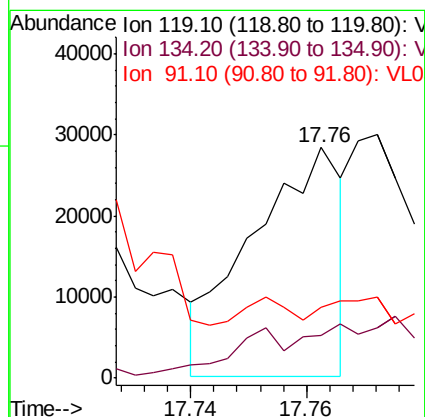
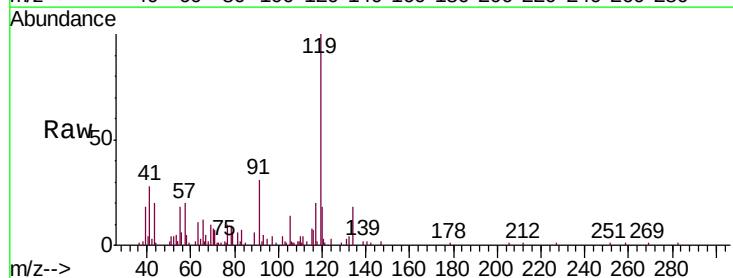
Instrument :
MSVOA_L
ClientSampleId :
SVS-2

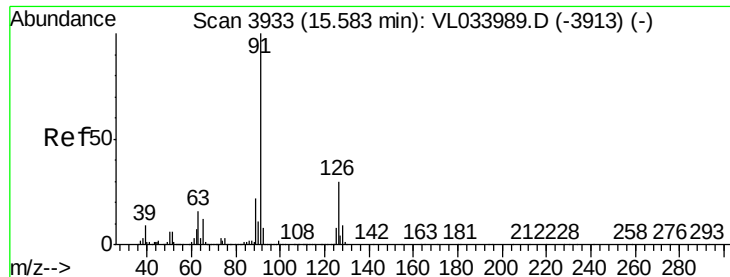
Tgt Ion: 95 Resp: 2086805
Ion Ratio Lower Upper
95 100
174 72.7 60.5 90.7
175 4.9 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.049 ppbv
RT: 17.76 min Scan# 4611
Delta R.T. -0.02 min
Lab File: VL034024.D
Acq: 11 Jul 2019 19:24

Tgt Ion: 119 Resp: 30452
Ion Ratio Lower Upper
119 100
134 0.0 20.1 30.1#
91 0.0 23.6 35.4#

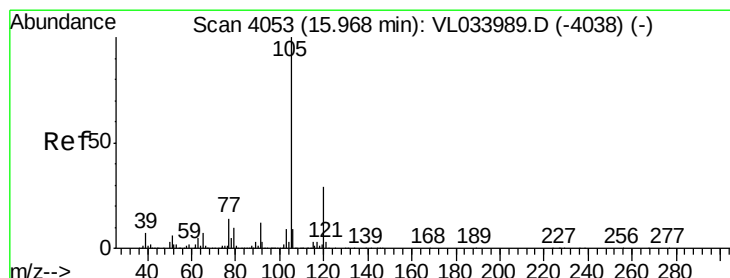
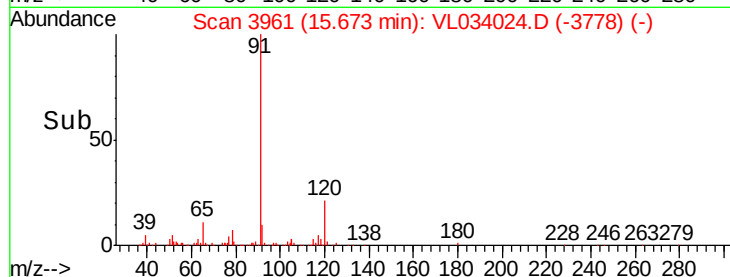
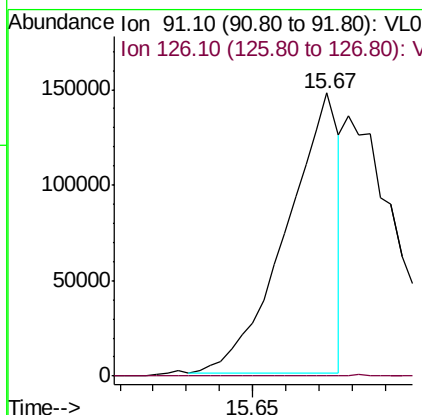
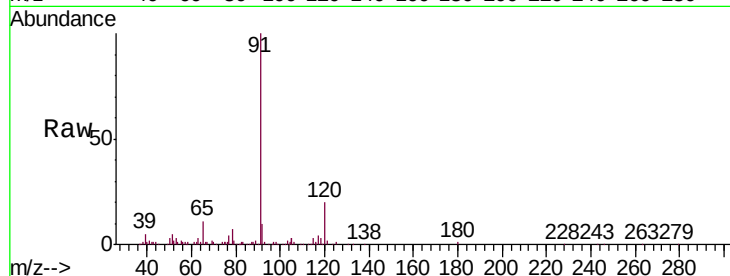




#71
 2-Chlorotoluene
 Concen: 0.350 ppbv
 RT: 15.67 min Scan# 3961
 Delta R.T. 0.09 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

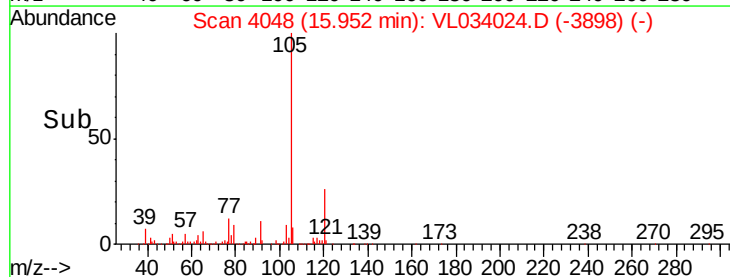
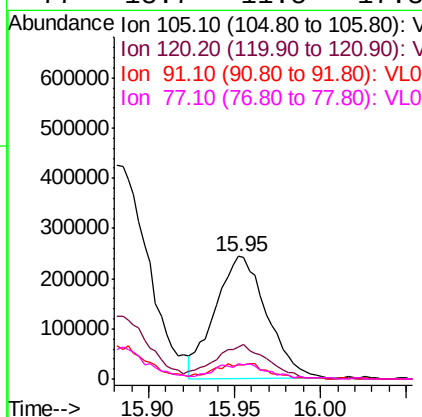
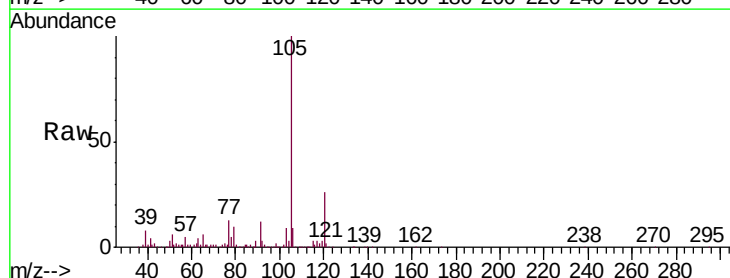
Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-2

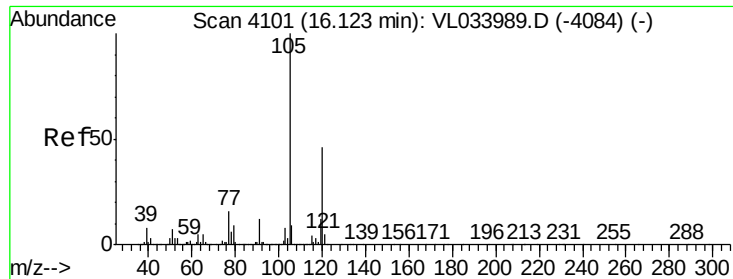
Tgt Ion: 91 Resp: 161133
 Ion Ratio Lower Upper
 91 100
 126 0.1 12.3 49.3#



#72
 4-Ethyltoluene
 Concen: 0.973 ppbv
 RT: 15.95 min Scan# 4048
 Delta R.T. -0.02 min
 Lab File: VL034024.D
 Acq: 11 Jul 2019 19:24

Tgt Ion: 105 Resp: 510548
 Ion Ratio Lower Upper
 105 100
 120 28.8 24.1 36.1
 91 13.9 10.6 16.0
 77 13.7 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 0.756 ppbv

RT: 16.11 min Scan# 4098

Delta R.T. -0.01 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

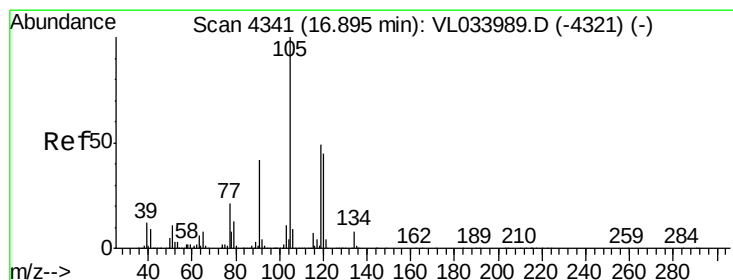
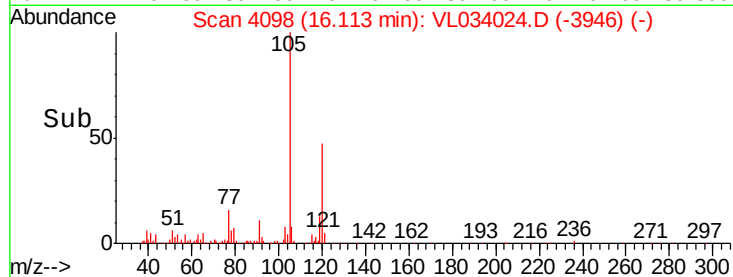
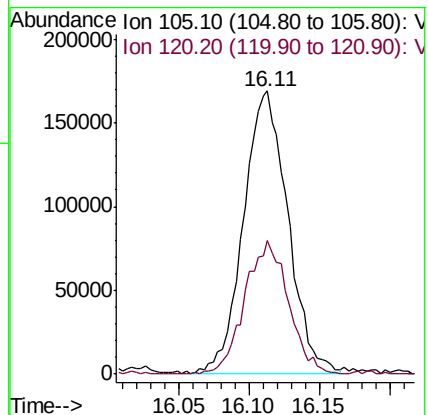
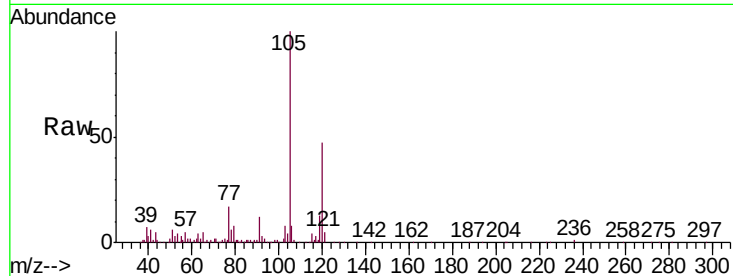
SVS-2

Tgt Ion:105 Resp: 369263

Ion Ratio Lower Upper

105 100

120 47.1 36.4 54.6



#74

1,2,4-Trimethylbenzene

Concen: 3.111 ppbv

RT: 16.88 min Scan# 4336

Delta R.T. -0.02 min

Lab File: VL034024.D

Acq: 11 Jul 2019 19:24

Tgt Ion:105 Resp: 1682493

Ion Ratio Lower Upper

105 100

120 41.6 36.2 54.2

91 10.5 34.3 51.5#

77 13.6 17.1 25.7#

