

Data File : VL034857.D
Acq On : 10 Mar 2020 3:06
Operator : SY/AP
Sample : L1161-14 0.03 LOQ
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:10:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	874738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1971055	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1913874	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1538065	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

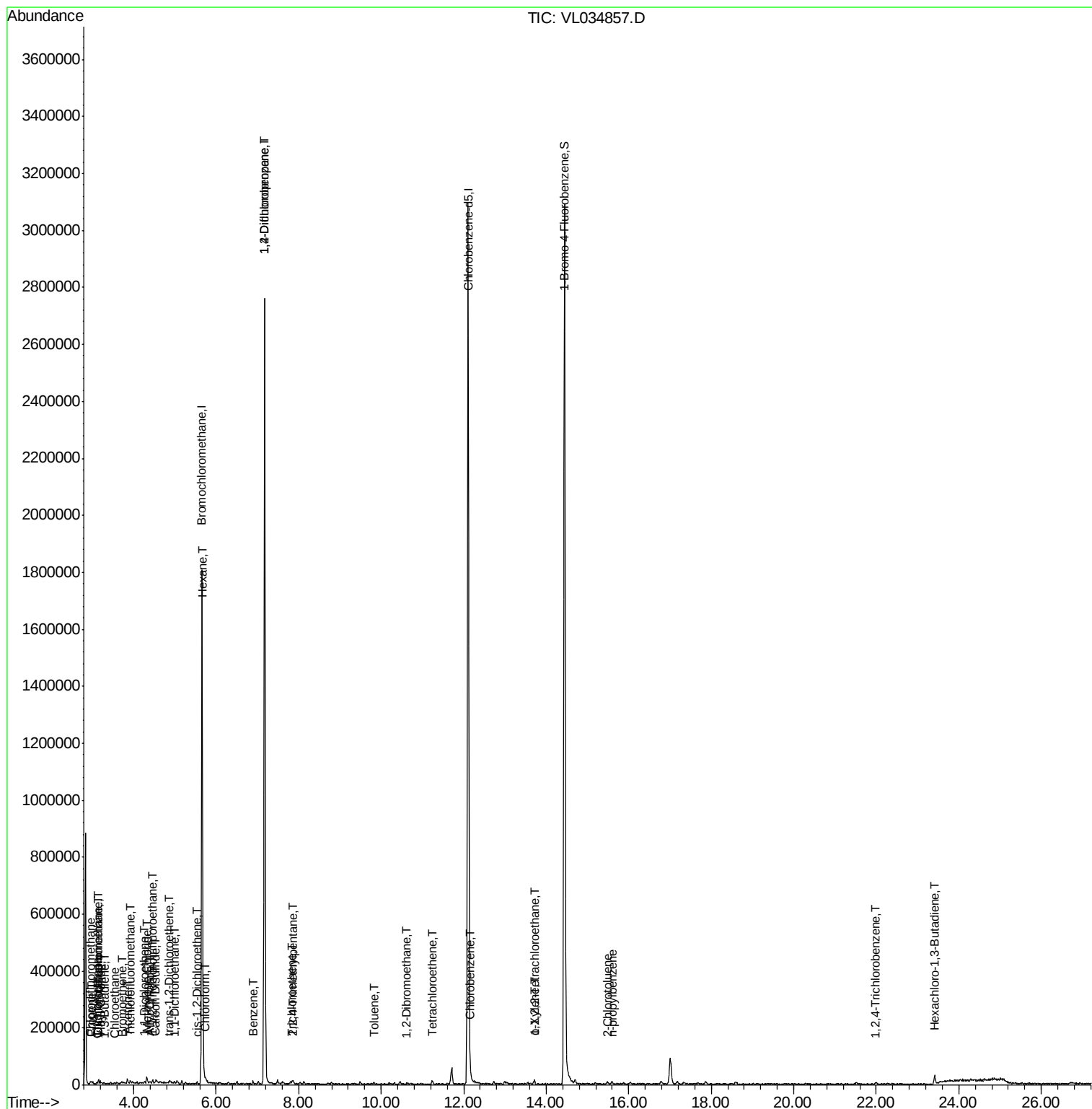
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.14	85	2657	0.022	ppbv	95
3) Chlorodifluoromethane	2.95	51	3800	0.039	ppbv	95
4) Chloromethane	3.10	50	985	0.018	ppbv #	41
5) Vinyl Chloride	3.21	62	1232	0.023	ppbv #	80
7) Chloroethane	3.52	64	336	0.018	ppbv #	44
8) Dichlorotetrafluoroethane	3.14	85	2657	0.021	ppbv #	16
9) Propene	2.96	41	1021	0.022	ppbv #	15
11) Trichlorofluoromethane	3.92	101	1885	0.015	ppbv #	73
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2669	0.030	ppbv	97
14) Bromoethene	3.70	108	471	0.012	ppbv #	6
15) Acetone	3.84	43	5875	0.052	ppbv #	49
16) 1,3-Butadiene	3.29	39	1606	0.031	ppbv #	80
18) 1,1-Dichloroethene	4.26	96	636	0.016	ppbv #	29
20) Methylene Chloride	4.32	84	4492	0.125	ppbv #	73
21) Allyl Chloride	4.38	41	2367	0.033	ppbv #	55
22) trans-1,2-Dichloroethene	4.86	96	565	0.014	ppbv #	7
24) 1,1-Dichloroethane	5.00	63	3735	0.033	ppbv #	88
26) Hexane	5.67	57	1771	0.020	ppbv #	1
27) Carbon Disulfide	4.53	76	1300	0.013	ppbv #	62
29) Chloroform	5.74	83	2147	0.016	ppbv #	16
31) cis-1,2-Dichloroethene	5.53	61	958	0.011	ppbv #	49
36) Benzene	6.89	78	2875	0.016	ppbv #	68
38) Trichloroethene	7.83	130	1285	0.019	ppbv #	25
39) 1,2-Dichloropropane	7.17	63	506907	7.282	ppbv #	23
44) 2,2,4-Trimethylpentane	7.87	57	5589	0.019	ppbv #	62
52) Tetrachloroethene	11.24	164	745	0.011	ppbv #	5
53) Toluene	9.82	91	2877	0.014	ppbv #	34
54) 1,2-Dibromoethane	10.63	107	2059	0.019	ppbv #	36
57) Chlorobenzene	12.17	112	2114	0.014	ppbv #	57
60) o-Xylene	13.72	91	3102	0.015	ppbv #	26
63) 1,1,2,2-Tetrachloroethane	13.70	83	1579	0.011	ppbv #	1
64) n-propylbenzene	15.59	120	925	0.011	ppbv #	1
71) 2-Chlorotoluene	15.49	91	2625	0.011	ppbv #	44
78) Hexachloro-1,3-Butadiene	23.41	225	1566	0.013	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.98	180	1317	0.011	ppbv #	12

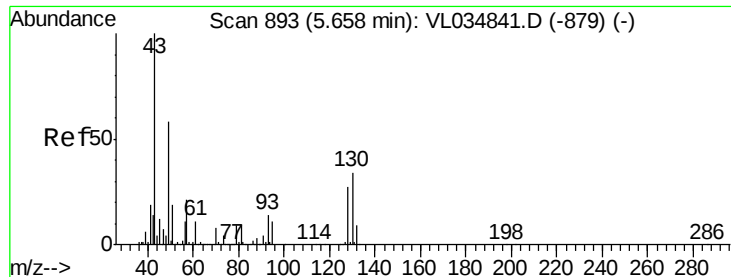
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

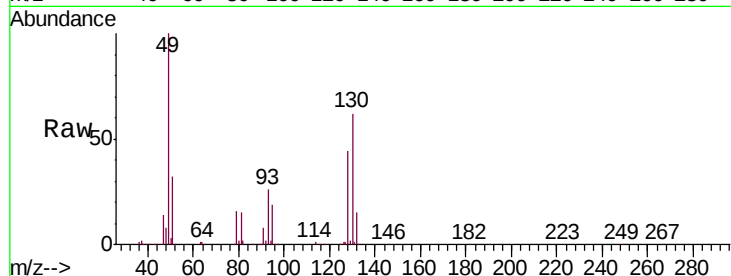
Tgt Ion: 49 Resp: 874738

Ion Ratio Lower Upper

49 100

128 47.5 23.4 70.3

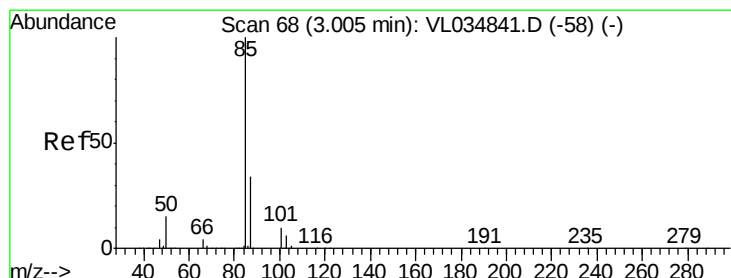
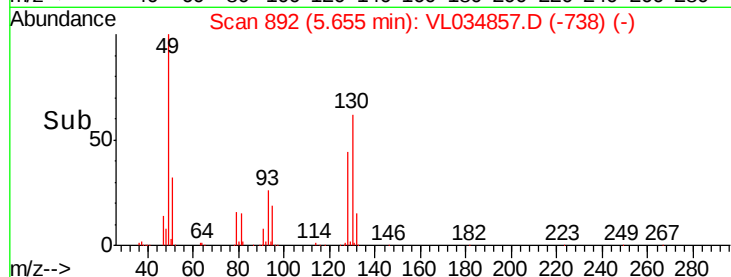
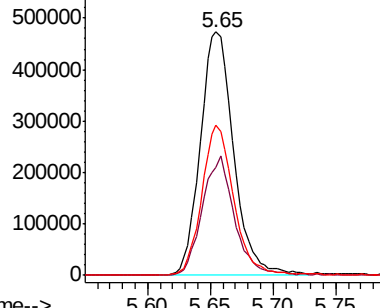
130 59.9 30.0 90.0



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: 0.022 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.14 min

Lab File: VL034857.D

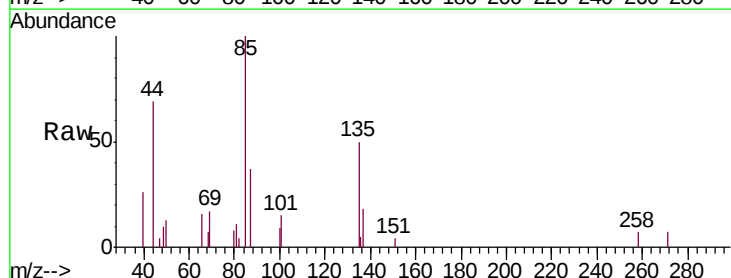
Acq: 10 Mar 2020 3:06

Tgt Ion: 85 Resp: 2657

Ion Ratio Lower Upper

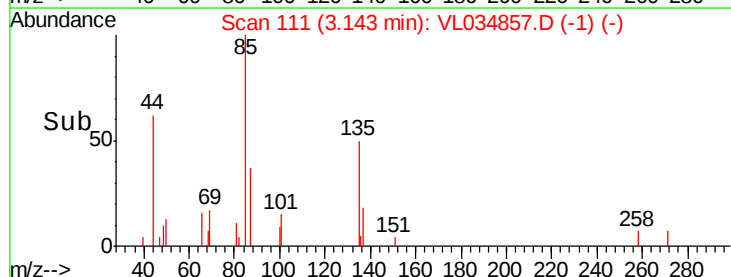
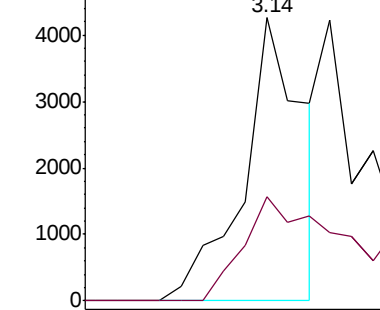
85 100

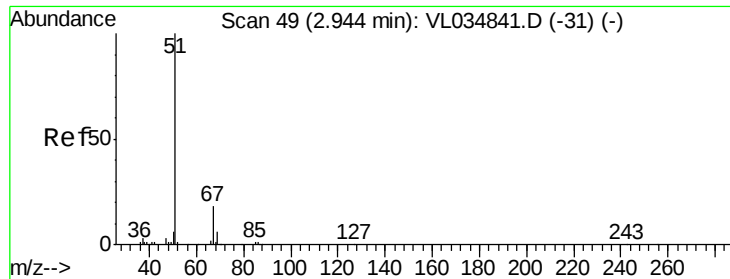
87 36.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

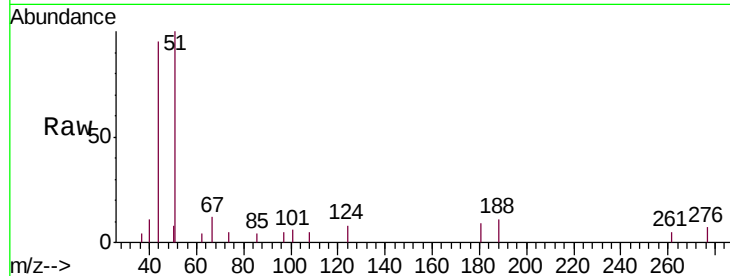
Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 51 Resp: 3800

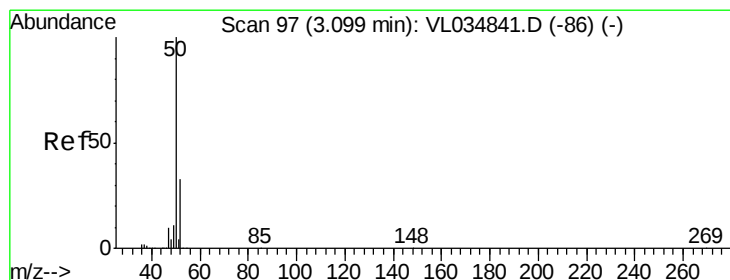
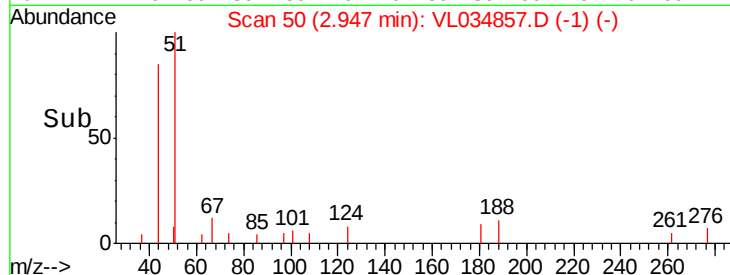
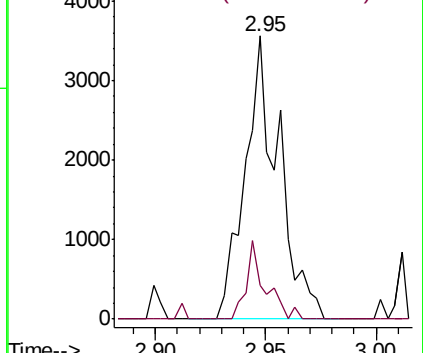
Ion Ratio Lower Upper

51 100

67 15.5 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.018 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034857.D

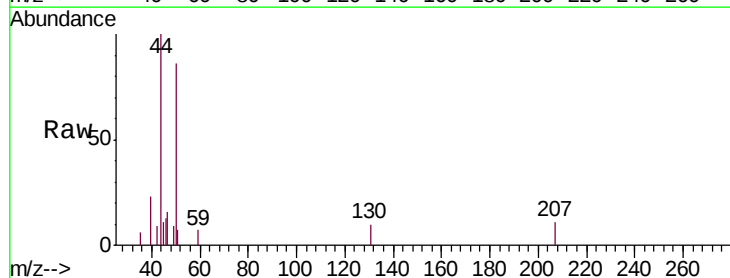
Acq: 10 Mar 2020 3:06

Tgt Ion: 50 Resp: 985

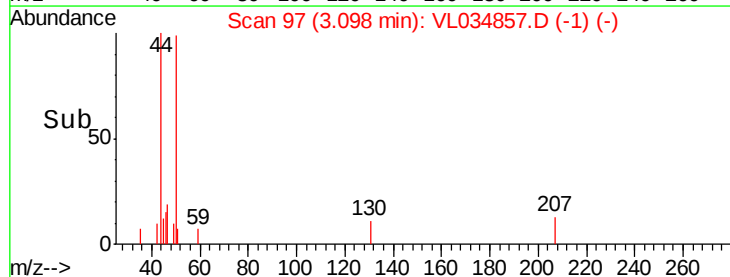
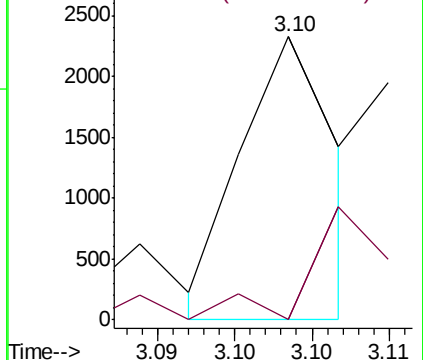
Ion Ratio Lower Upper

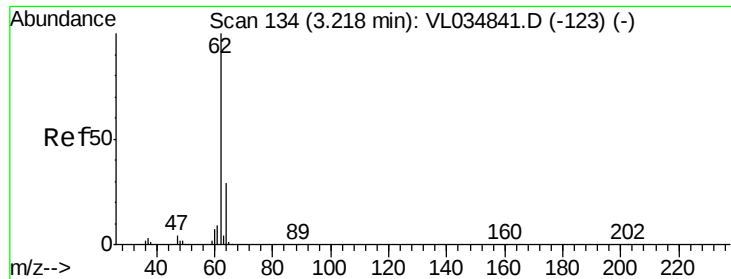
50 100

52 0.0 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.023 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

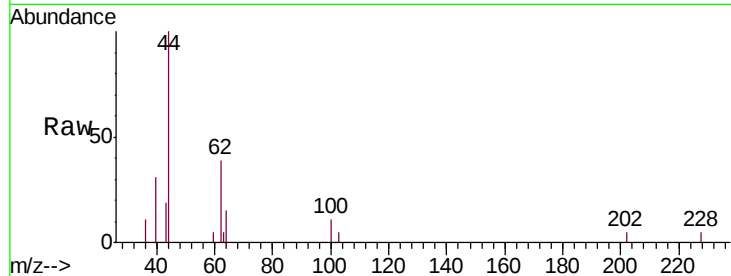
ClientSampleId :

Tgt Ion: 62 Resp: 1232

Ion Ratio Lower Upper

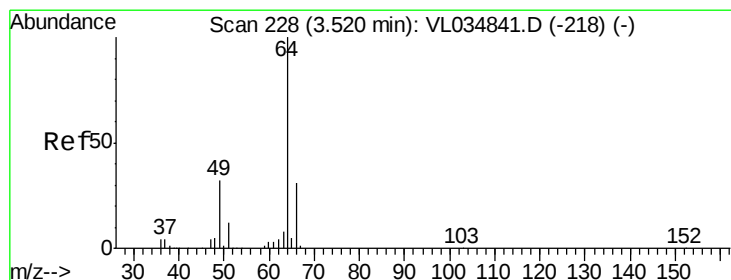
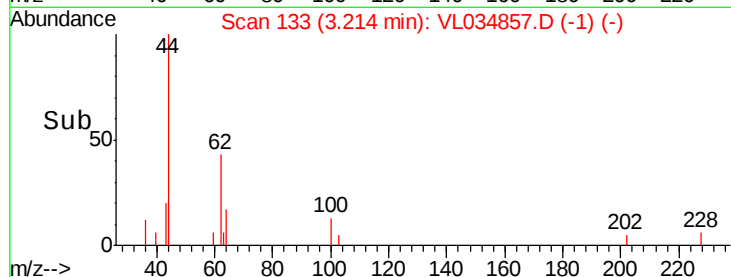
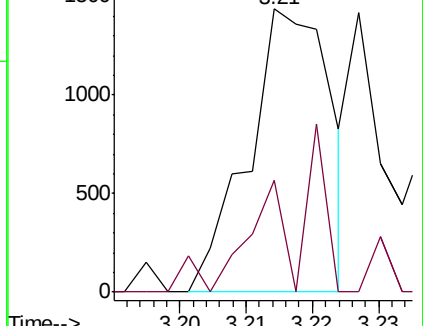
62 100

64 39.4 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.018 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034857.D

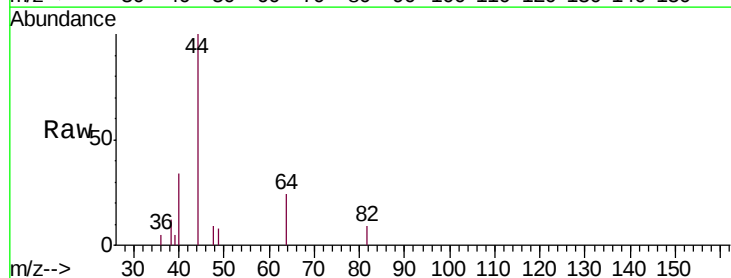
Acq: 10 Mar 2020 3:06

Tgt Ion: 64 Resp: 336

Ion Ratio Lower Upper

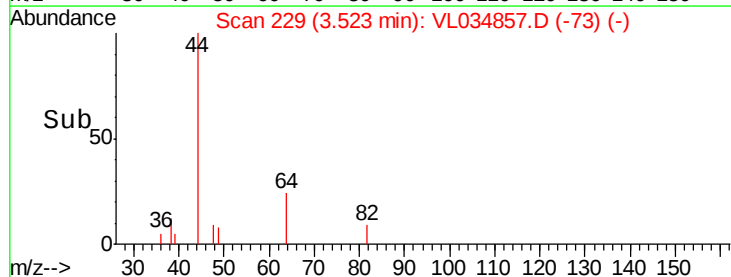
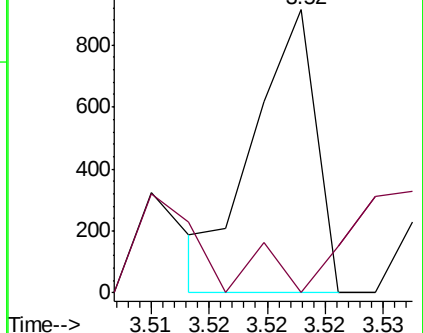
64 100

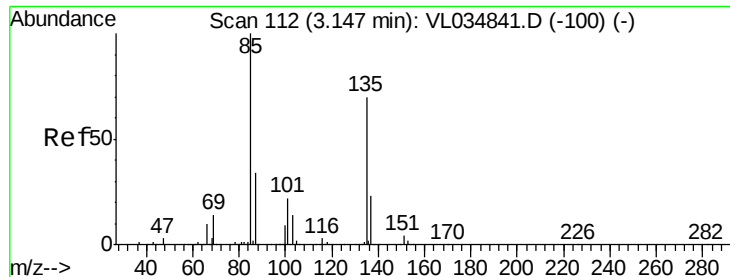
66 0.0 24.8 37.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.021 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

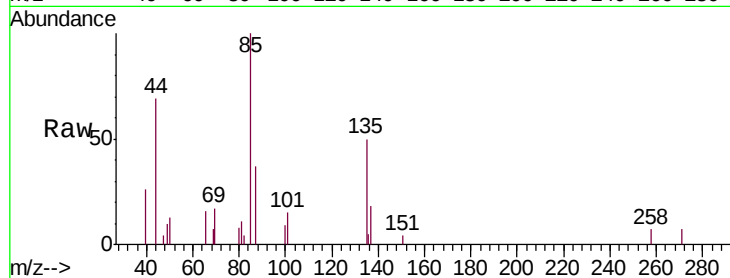
ClientSampled :

Tgt Ion: 85 Resp: 2657

Ion Ratio Lower Upper

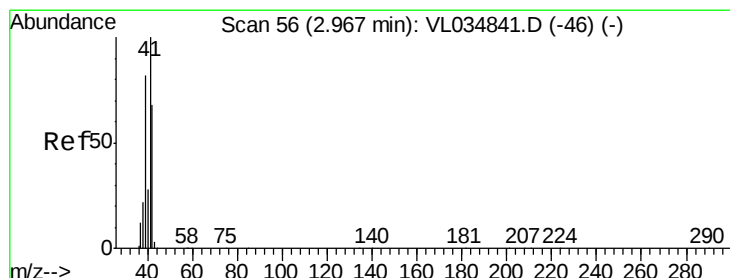
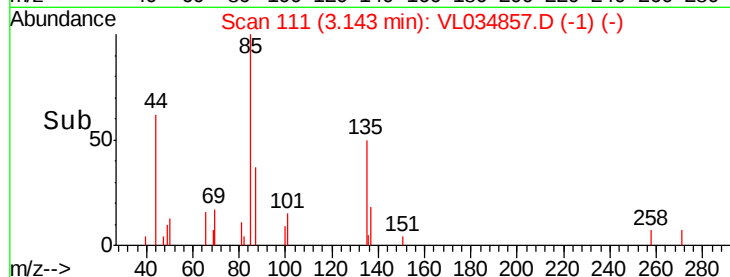
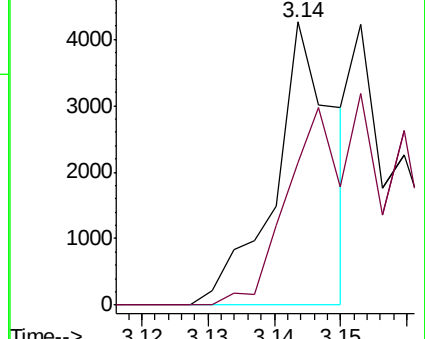
85 100

135 0.0 54.3 81.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 0.022 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034857.D

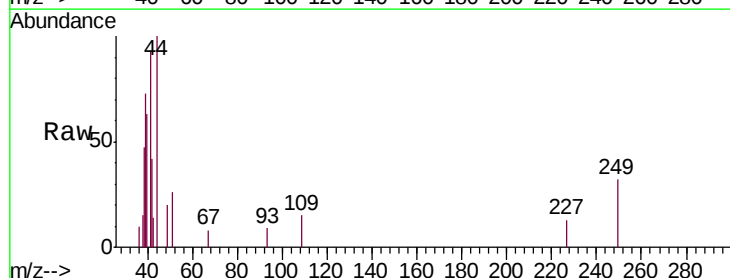
Acq: 10 Mar 2020 3:06

Tgt Ion: 41 Resp: 1021

Ion Ratio Lower Upper

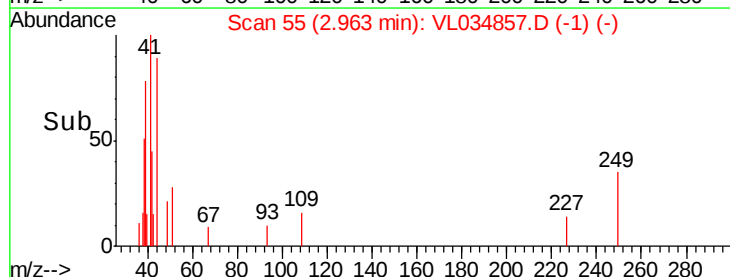
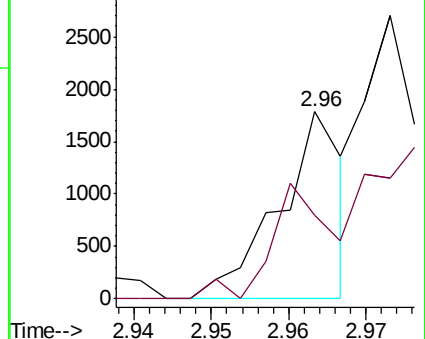
41 100

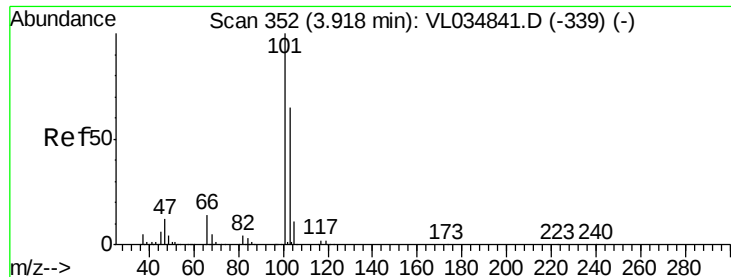
42 0.0 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.015 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

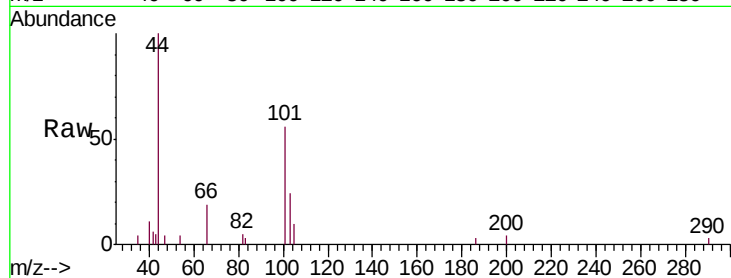
ClientSampleId :

Tgt Ion:101 Resp: 1885

Ion Ratio Lower Upper

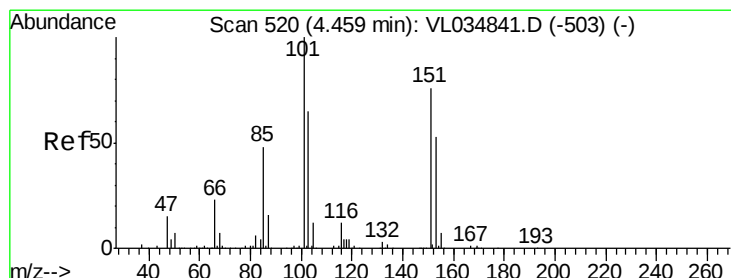
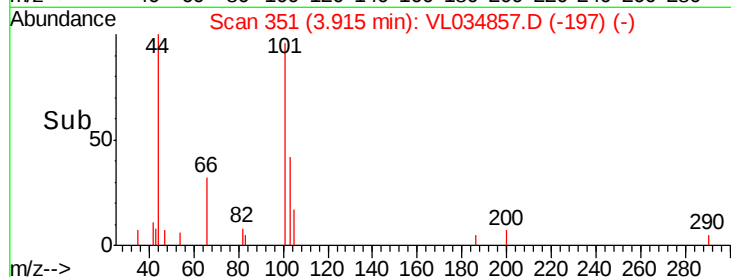
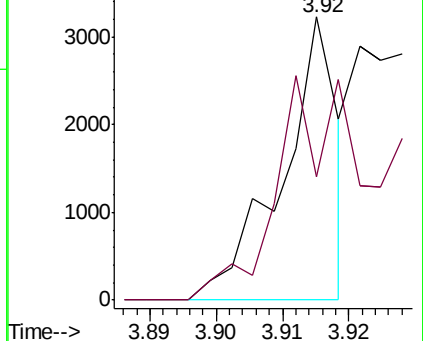
101 100

103 43.5 51.8 77.8#



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: 0.030 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL034857.D

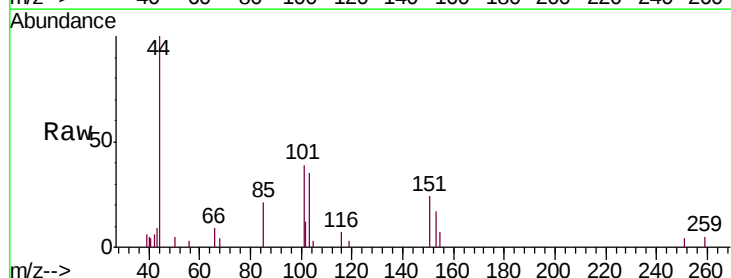
Acq: 10 Mar 2020 3:06

Tgt Ion:101 Resp: 2669

Ion Ratio Lower Upper

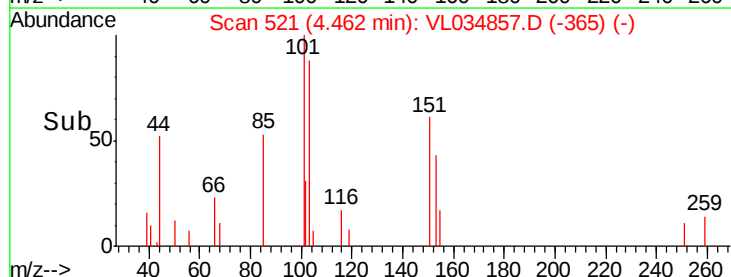
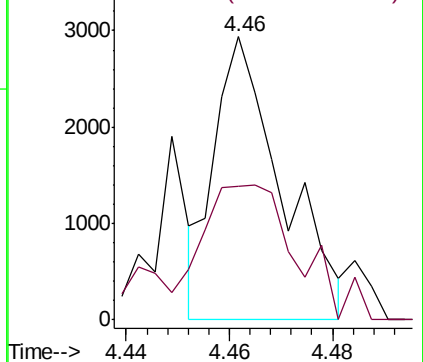
101 100

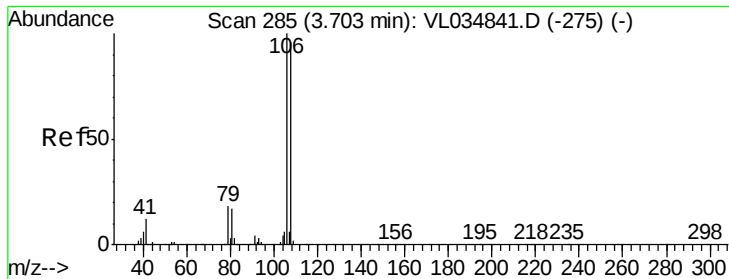
151 78.9 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#14

Bromoethene

Concen: 0.012 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.00 min

Lab File: VL034857.D

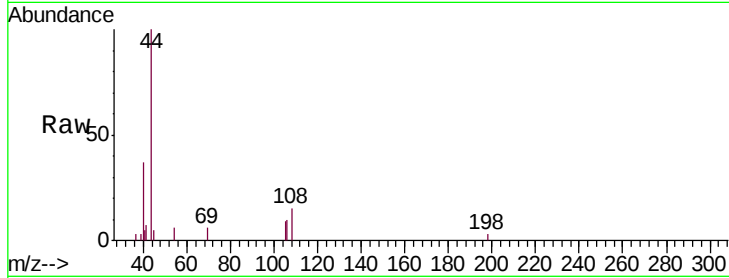
Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

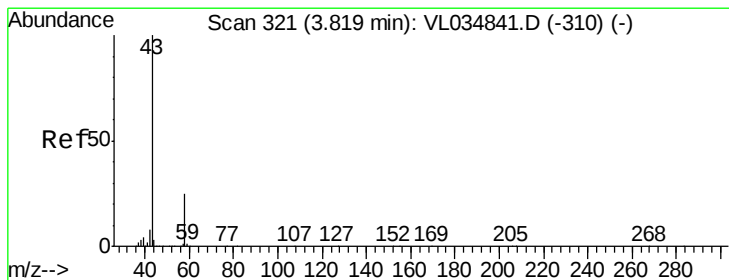
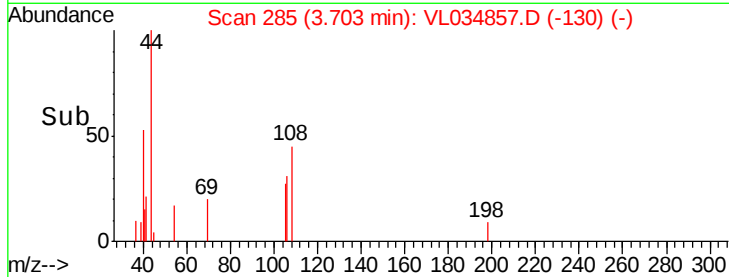
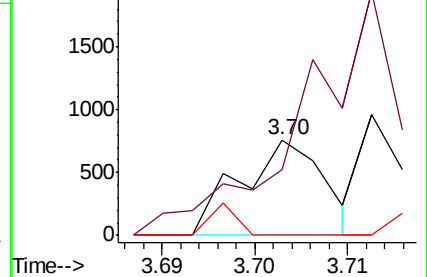
Tgt Ion:	108	Resp:	471
Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.1	127.7#
79	0.0	14.7	22.1#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): V



#15

Acetone

Concen: 0.052 ppbv

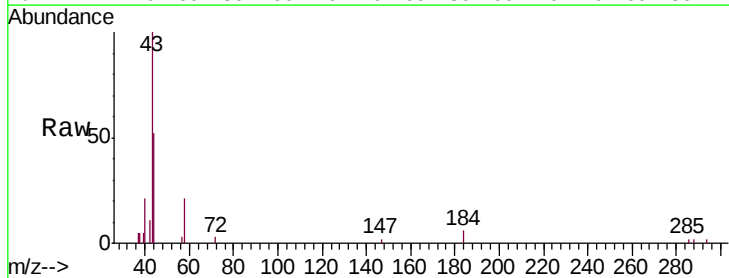
RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

Lab File: VL034857.D

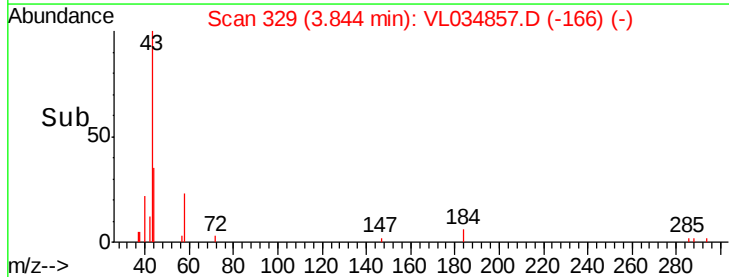
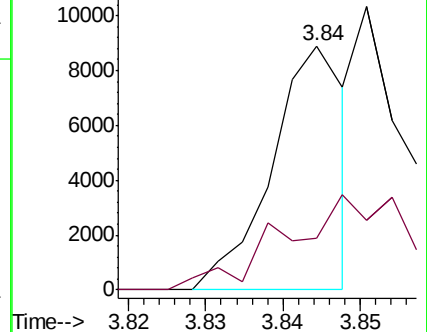
Acq: 10 Mar 2020 3:06

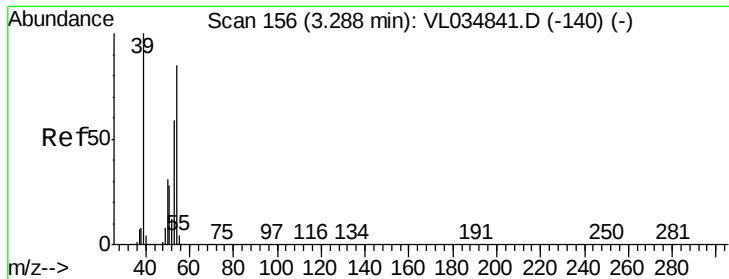
Tgt Ion:	43	Resp:	5875
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.0	31.6#



Abundance Ion 43.10 (42.80 to 43.80): V

Ion 58.10 (57.80 to 58.80): V

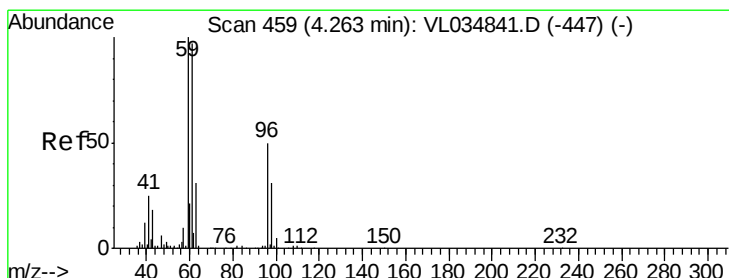
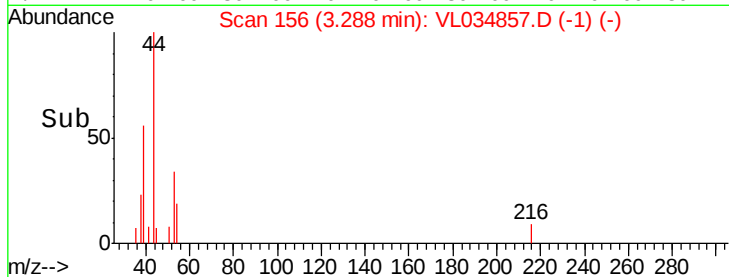
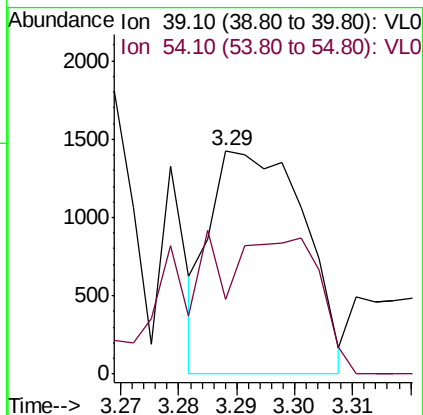
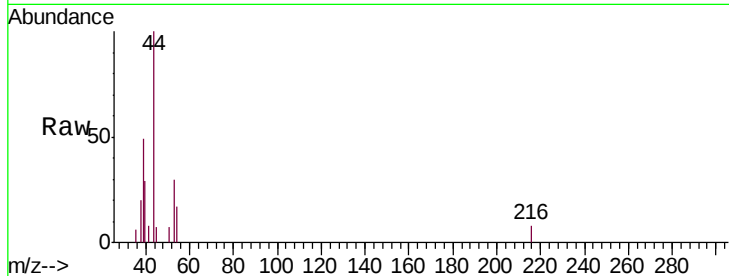




#16
 1,3-Butadiene
 Concen: 0.031 ppbv
 RT: 3.29 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

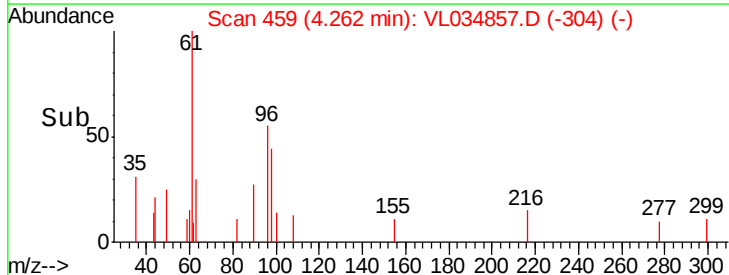
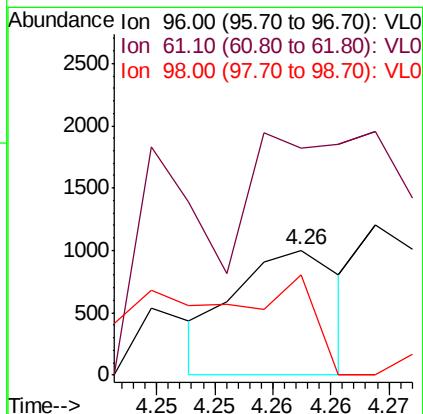
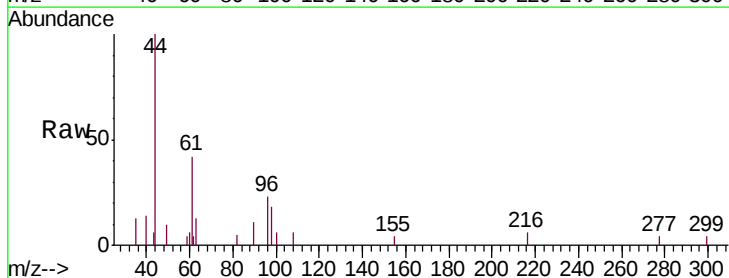
Instrument :
 MSVOA_L
 ClientSampleId :

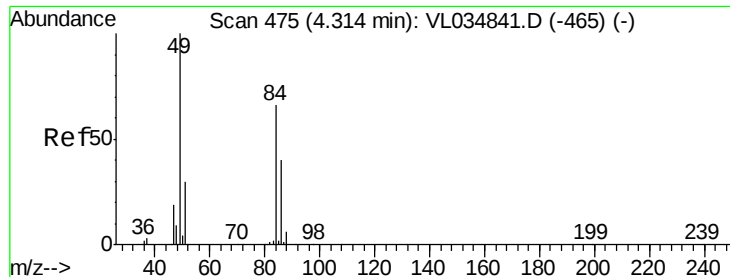
Tgt Ion: 39 Resp: 1606
 Ion Ratio Lower Upper
 39 100
 54 99.4 65.0 97.6#



#18
 1,1-Dichloroethene
 Concen: 0.016 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion: 96 Resp: 636
 Ion Ratio Lower Upper
 96 100
 61 105.3 157.3 235.9#
 98 141.5 50.2 75.4#

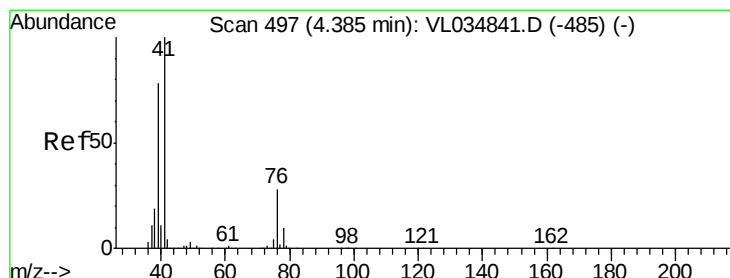
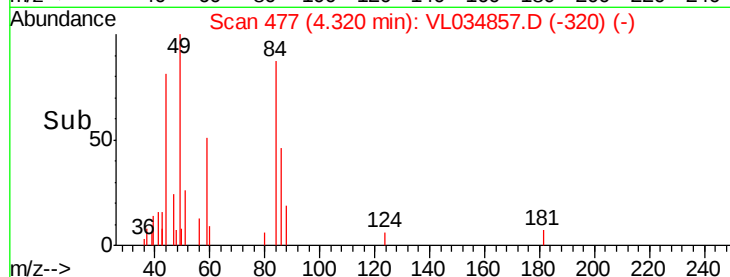
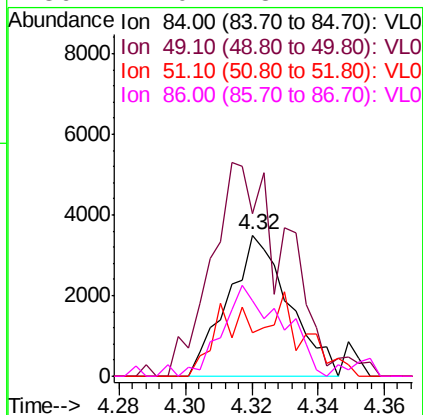
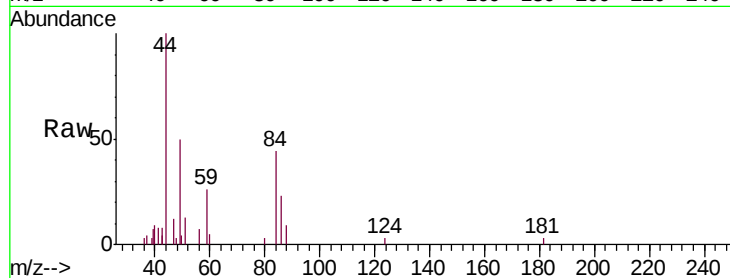




#20
Methylene Chloride
Concen: 0.125 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

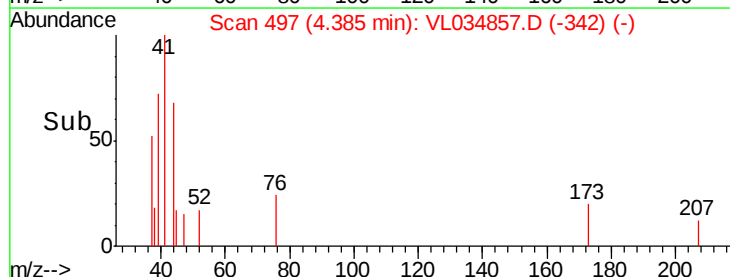
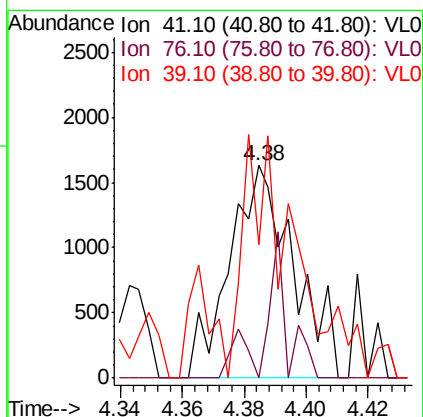
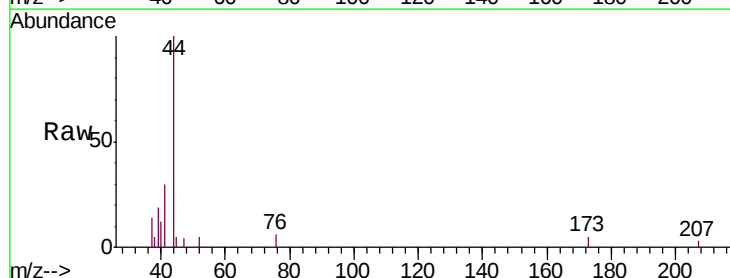
Instrument :
MSVOA_L
ClientSampled :

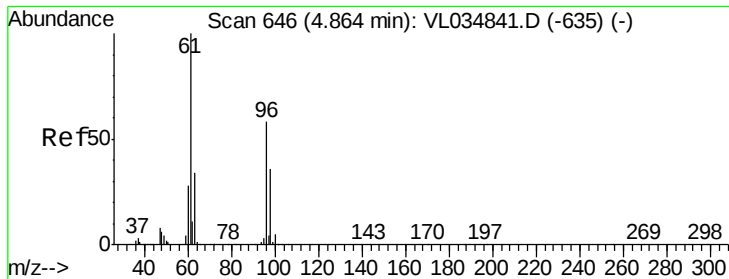
Tgt Ion: 84 Resp: 4492
Ion Ratio Lower Upper
84 100
49 111.3 121.5 182.3#
51 30.4 36.6 55.0#
86 47.0 48.2 72.2#



#21
Allyl Chloride
Concen: 0.033 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 41 Resp: 2367
Ion Ratio Lower Upper
41 100
76 18.8 22.2 33.2#
39 126.2 62.6 93.8#





#22

trans-1,2-Dichloroethene

Concen: 0.014 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampled :

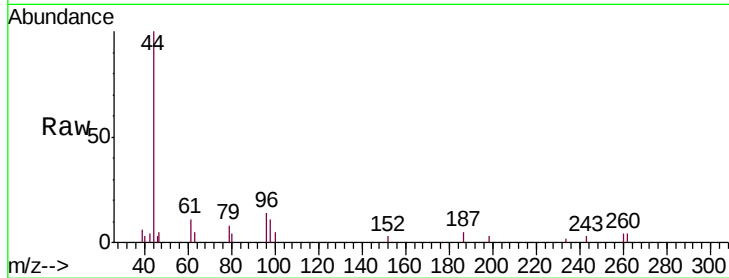
Tgt Ion: 96 Resp: 565

Ion Ratio Lower Upper

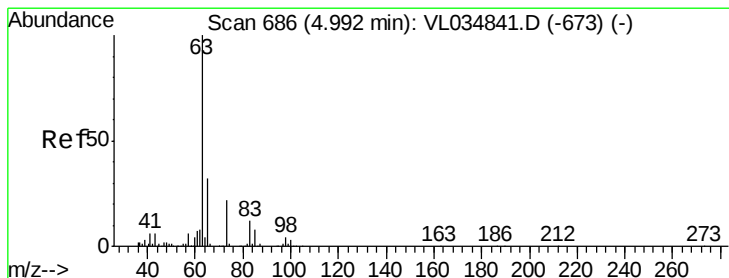
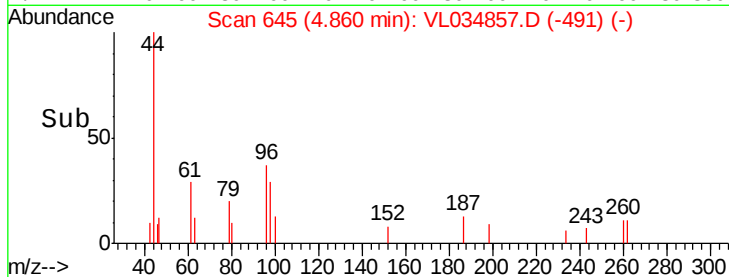
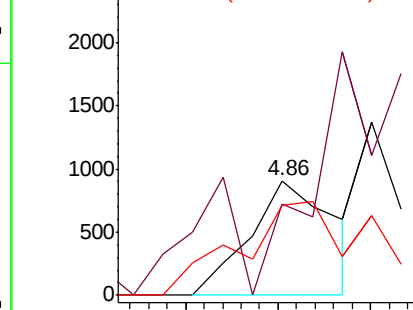
96 100

61 5.3 139.0 208.6#

98 50.6 50.3 75.5



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



#24

1,1-Dichloroethane

Concen: 0.033 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

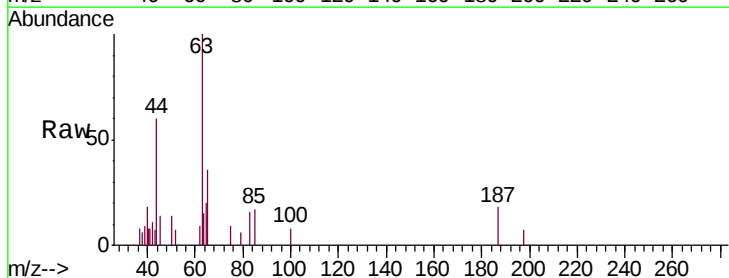
Tgt Ion: 63 Resp: 3735

Ion Ratio Lower Upper

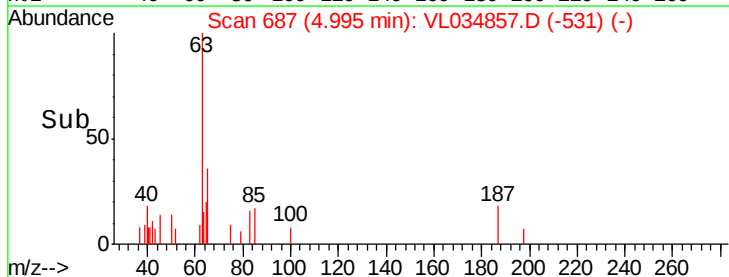
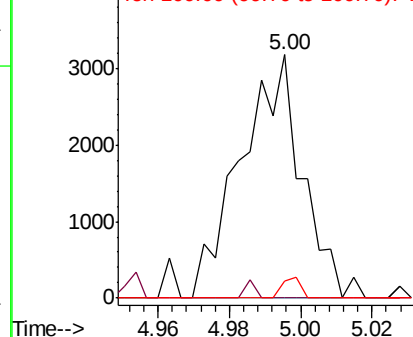
63 100

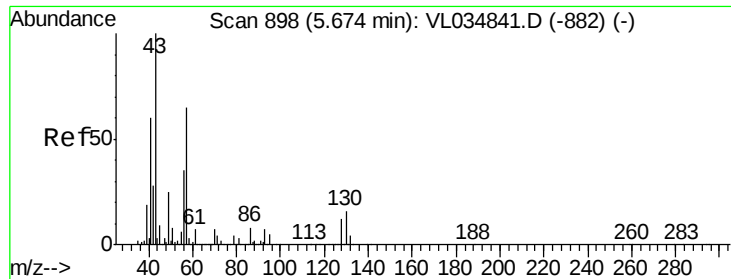
98 0.0 2.0 5.8#

100 7.1 1.4 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#26

Hexane

Concen: 0.020 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 57 Resp: 1771

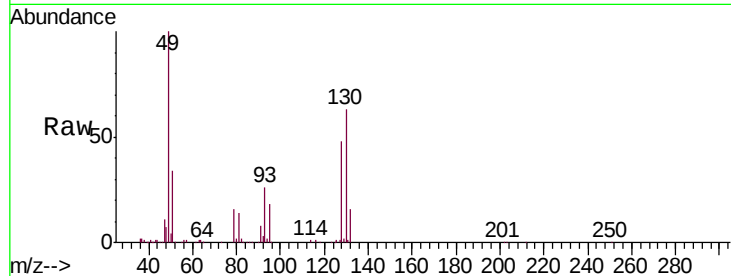
Ion Ratio Lower Upper

57 100

41 174.6 72.6 109.0#

43 0.0 183.8 275.6#

56 109.9 41.9 62.9#

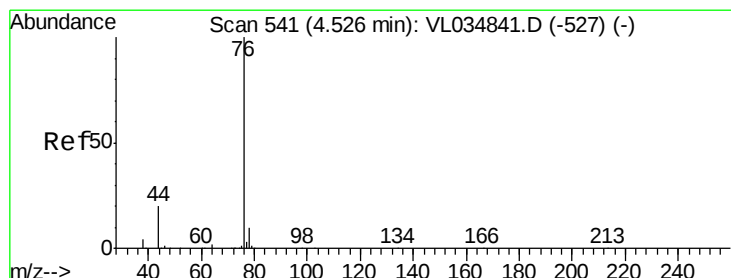
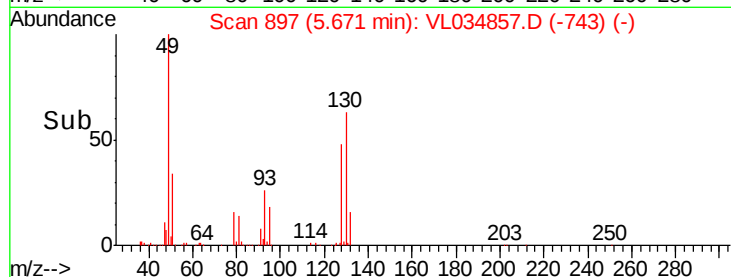
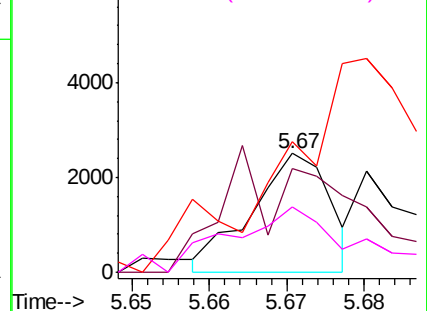


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.013 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

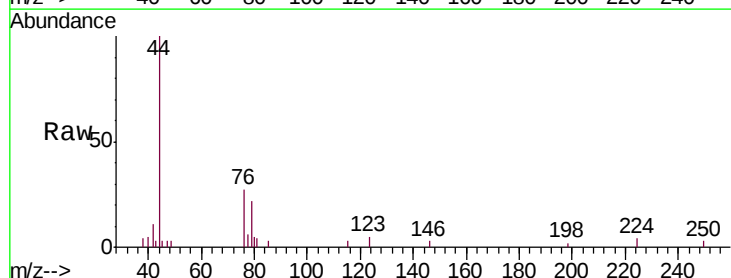
Tgt Ion: 76 Resp: 1300

Ion Ratio Lower Upper

76 100

44 0.0 16.2 24.2#

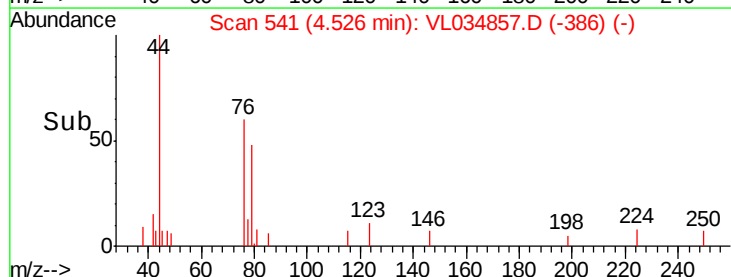
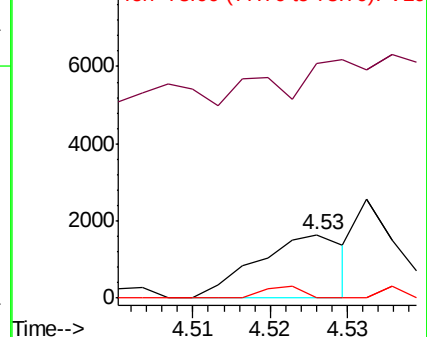
78 0.0 7.8 11.6#

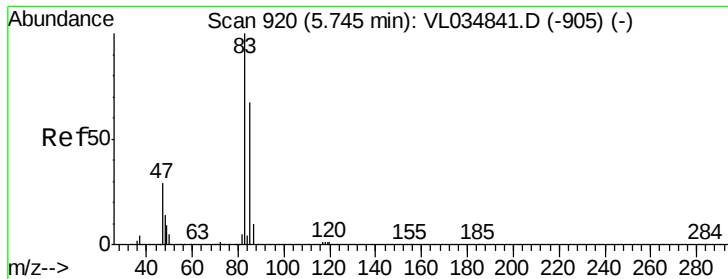


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

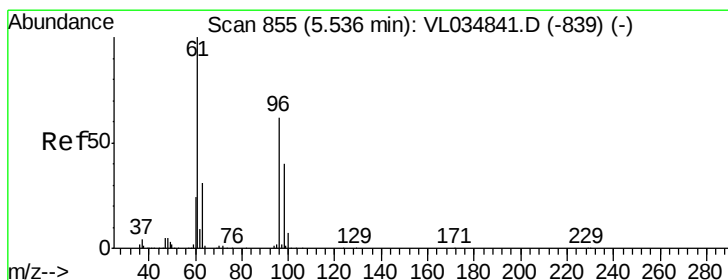
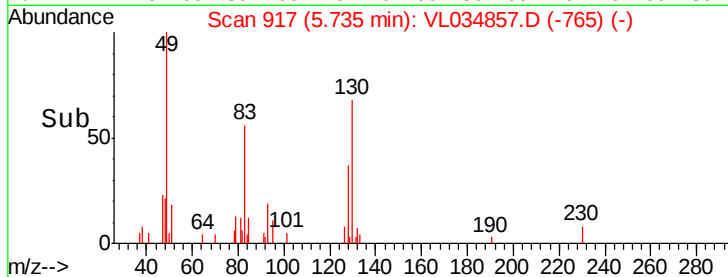
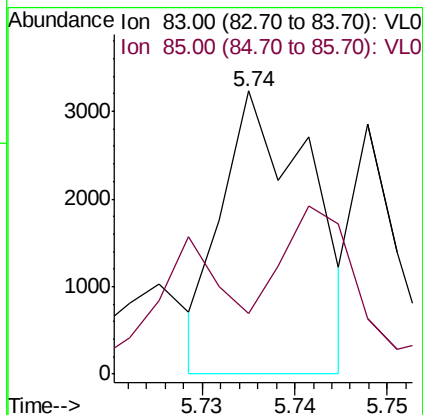
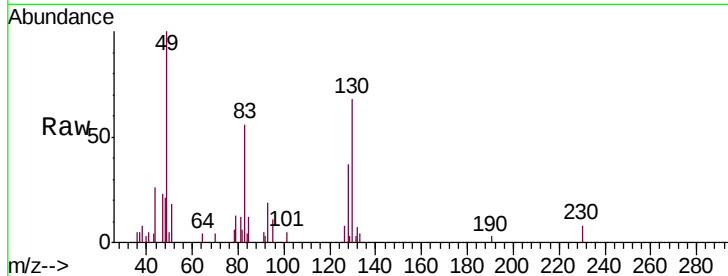




#29
Chloroform
Concen: 0.016 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

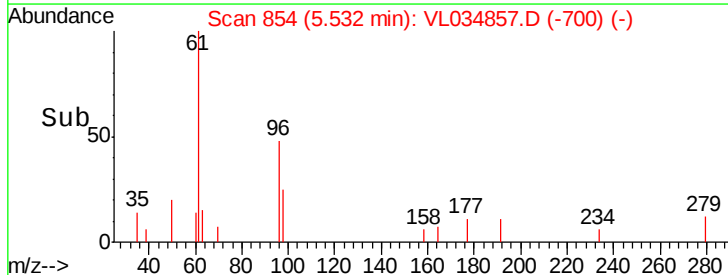
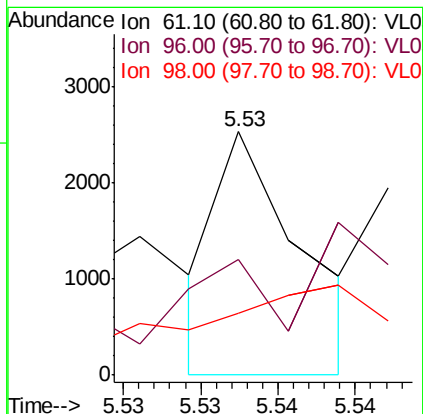
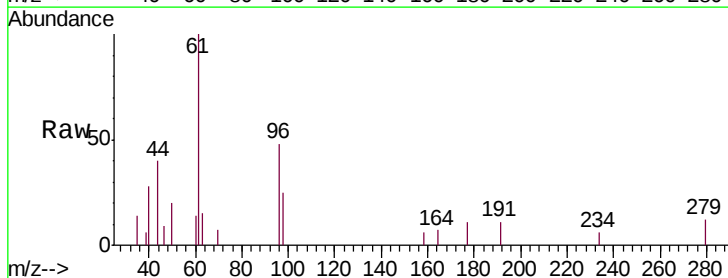
Instrument :
MSVOA_L
ClientSampleId :

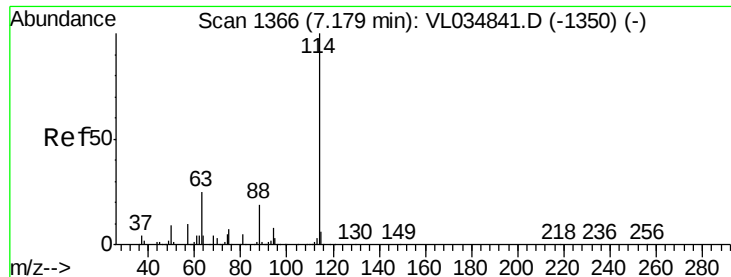
Tgt Ion: 83 Resp: 2147
Ion Ratio Lower Upper
83 100
85 0.0 53.8 80.6#



#31
cis-1,2-Dichloroethene
Concen: 0.011 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 61 Resp: 958
Ion Ratio Lower Upper
61 100
96 20.7 49.8 74.8#
98 11.7 32.2 48.4#

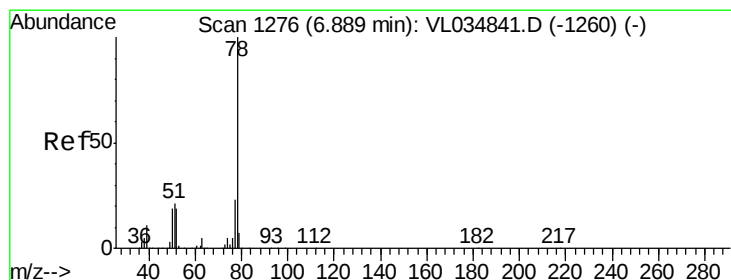
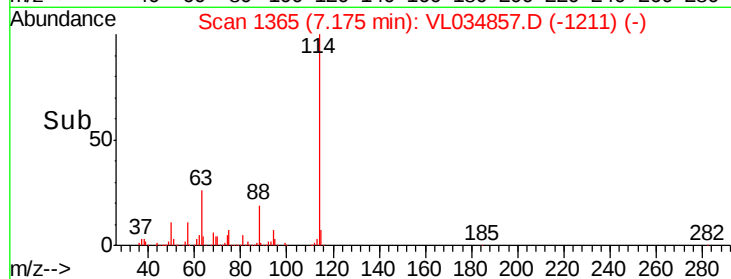
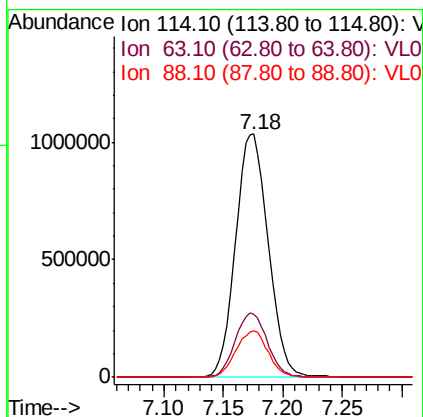
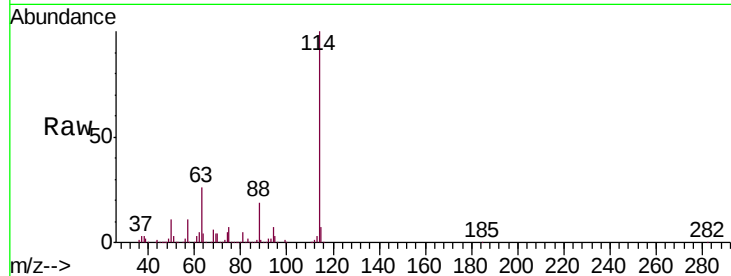




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

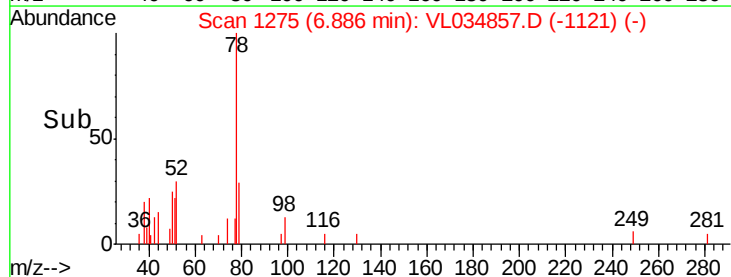
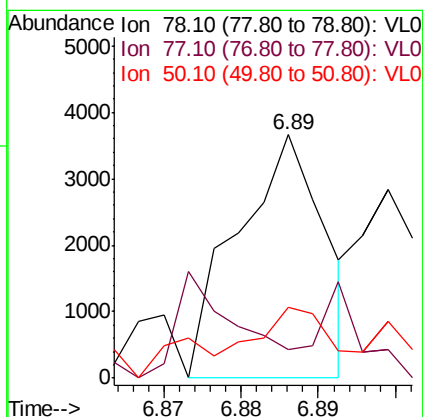
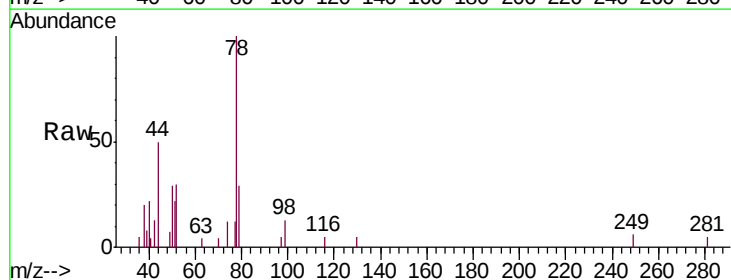
Instrument :
 MSVOA_L
 ClientSampleId :

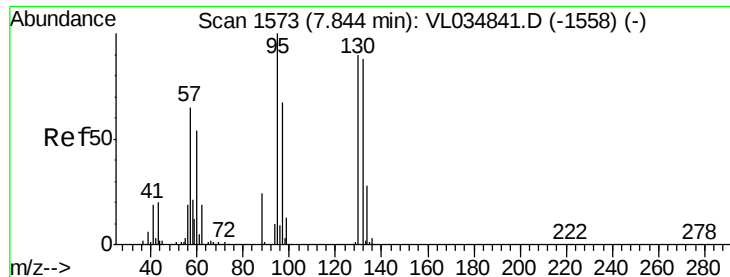
Tgt Ion: 114 Resp: 1971055
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.6 31.0
 88 18.9 15.0 22.6



#36
 Benzene
 Concen: 0.016 ppbv
 RT: 6.89 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion: 78 Resp: 2875
 Ion Ratio Lower Upper
 78 100
 77 0.0 18.2 27.2#
 50 12.8 15.2 22.8#





#38

Trichloroethene

Concen: 0.019 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 1285

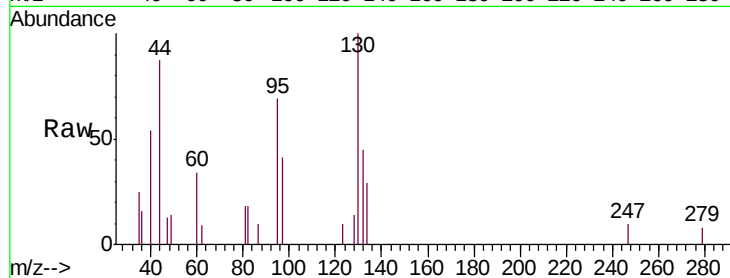
Ion Ratio Lower Upper

130 100

95 30.3 88.5 132.7#

132 29.8 78.0 117.0#

97 3.6 59.3 88.9#

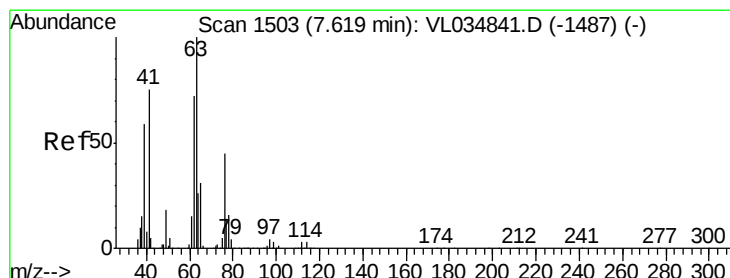
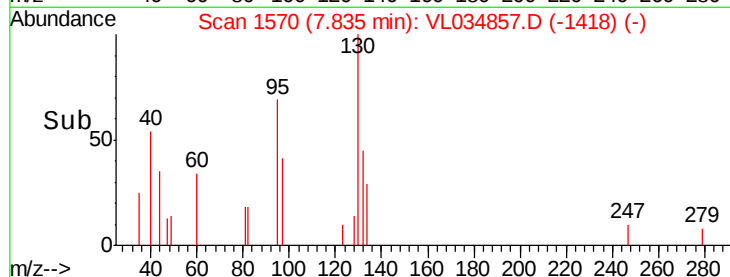
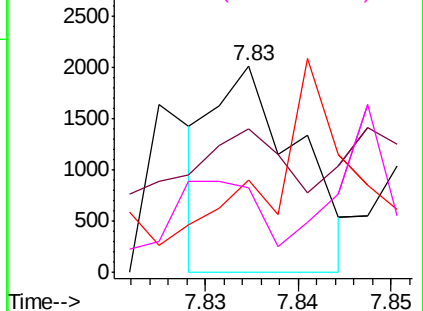


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.282 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

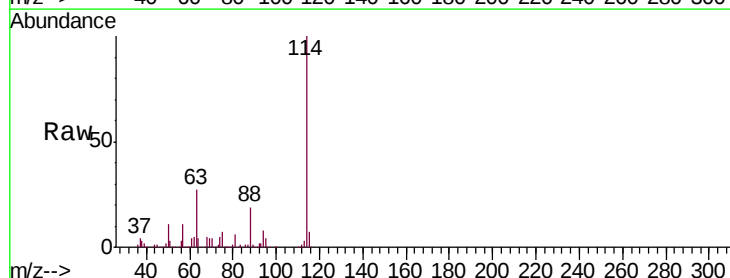
Tgt Ion: 63 Resp: 506907

Ion Ratio Lower Upper

63 100

41 0.0 59.8 89.8#

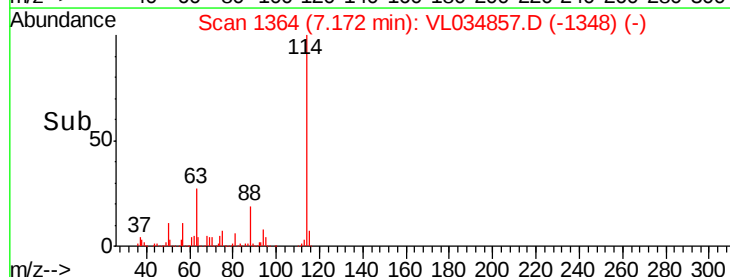
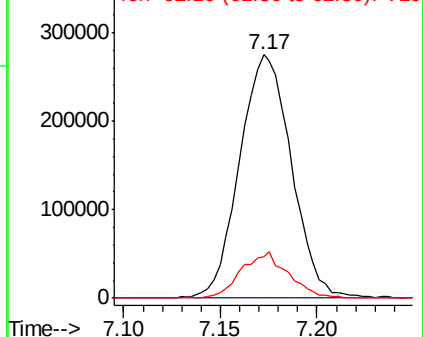
62 16.7 57.6 86.4#

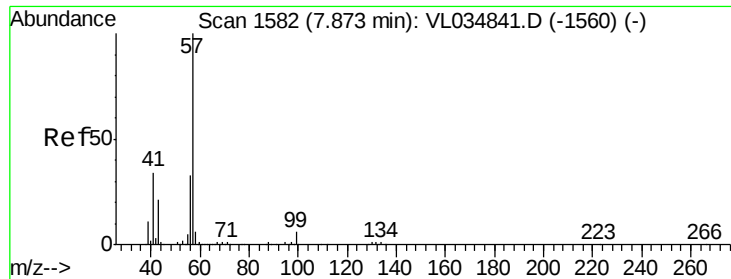


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

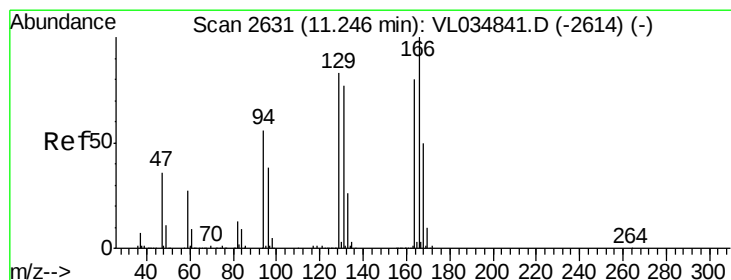
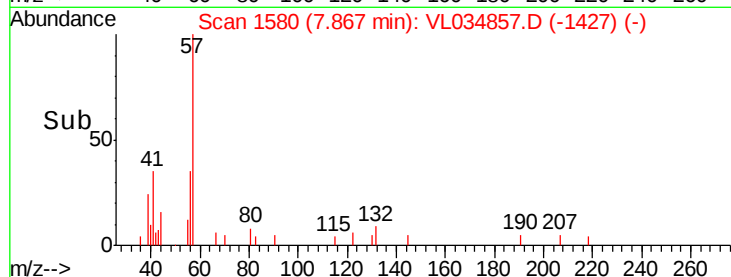
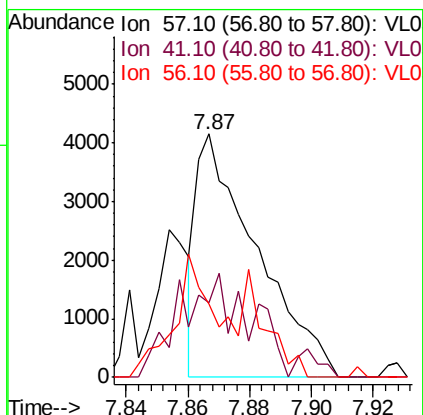
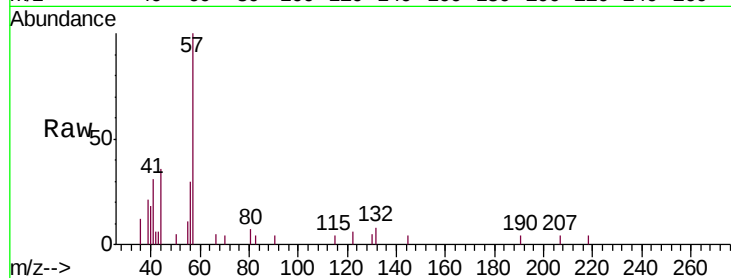




#44
 2,2,4-Trimethylpentane
 Concen: 0.019 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

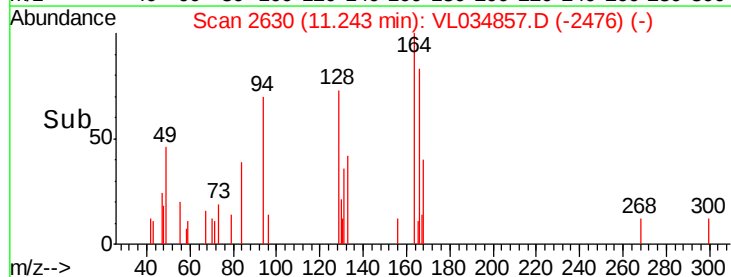
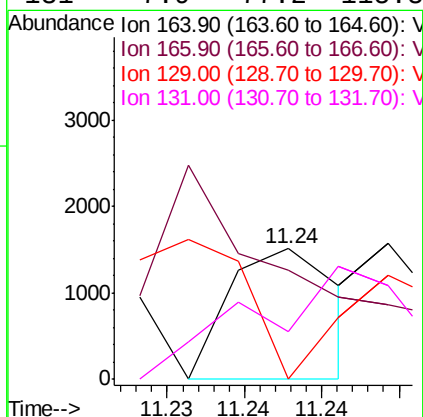
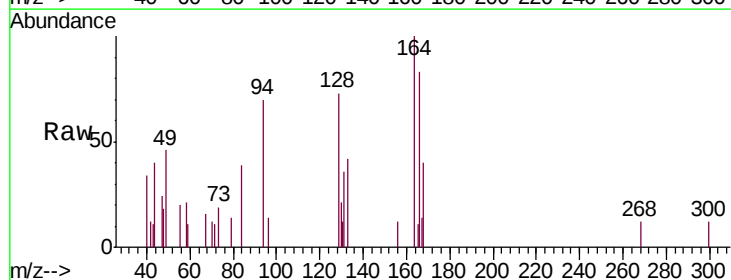
Instrument :
 MSVOA_L
 ClientSampled :

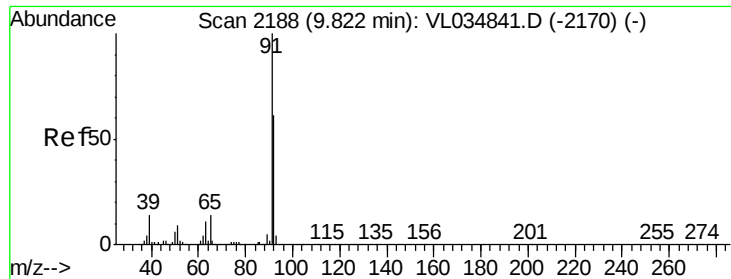
Tgt Ion: 57 Resp: 5589
 Ion Ratio Lower Upper
 57 100
 41 54.1 26.2 39.4#
 56 52.4 25.0 37.4#



#52
 Tetrachloroethene
 Concen: 0.011 ppbv
 RT: 11.24 min Scan# 2630
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion: 164 Resp: 745
 Ion Ratio Lower Upper
 164 100
 166 20.2 100.0 150.0#
 129 0.0 83.1 124.7#
 131 7.9 77.2 115.8#





#53

Toluene

Concen: 0.014 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

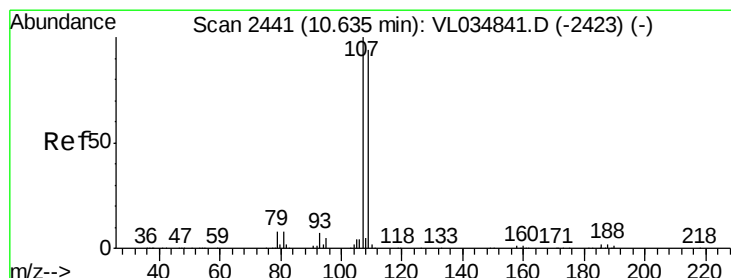
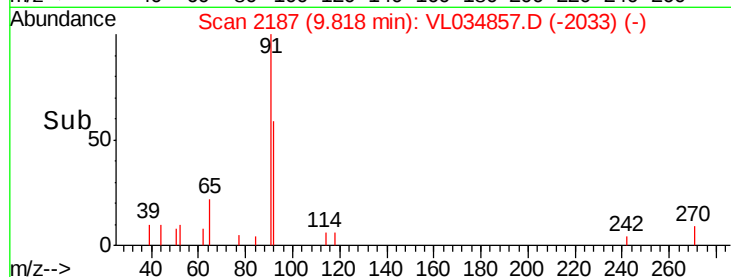
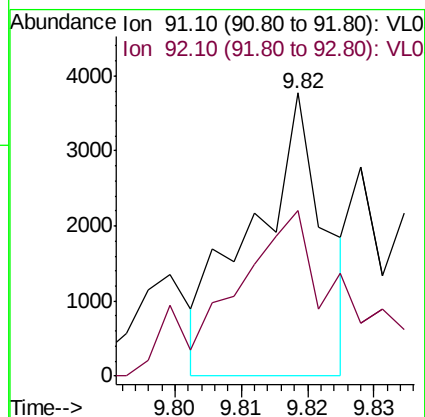
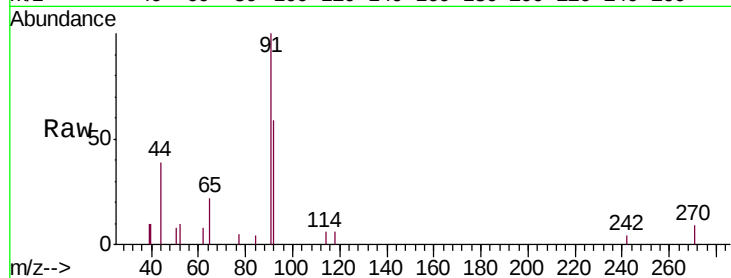
ClientSampled :

Tgt Ion: 91 Resp: 2877

Ion Ratio Lower Upper

91 100

92 110.8 48.6 72.8#



#54

1,2-Dibromoethane

Concen: 0.019 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034857.D

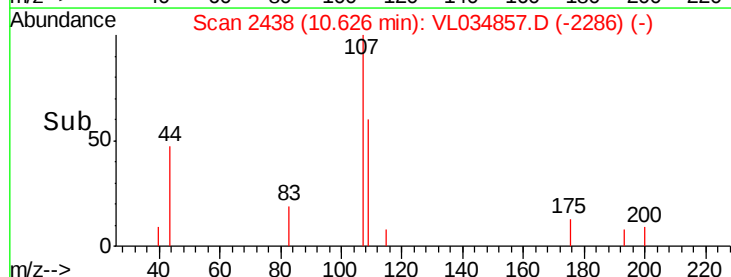
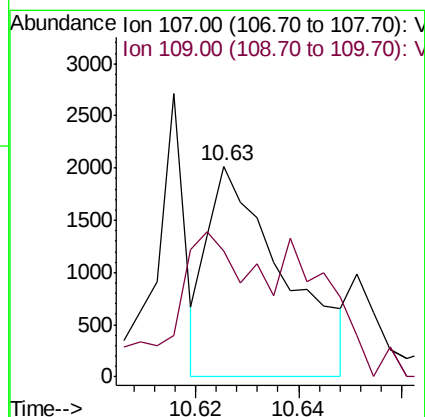
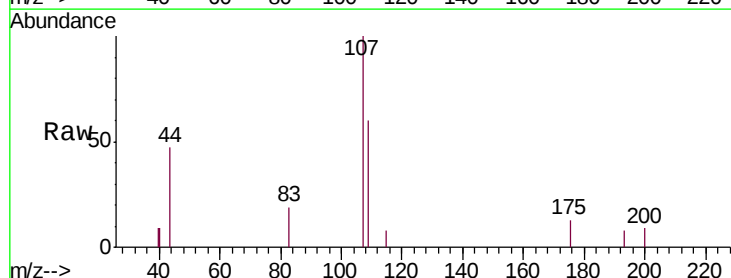
Acq: 10 Mar 2020 3:06

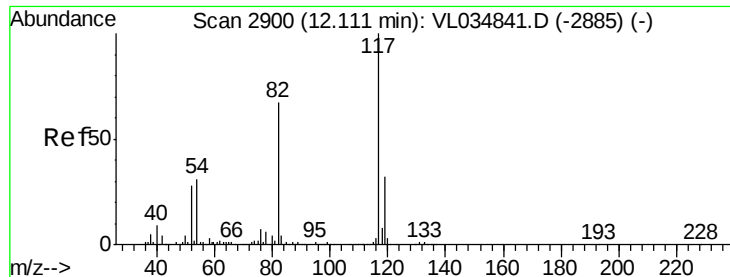
Tgt Ion: 107 Resp: 2059

Ion Ratio Lower Upper

107 100

109 32.4 74.9 112.3#

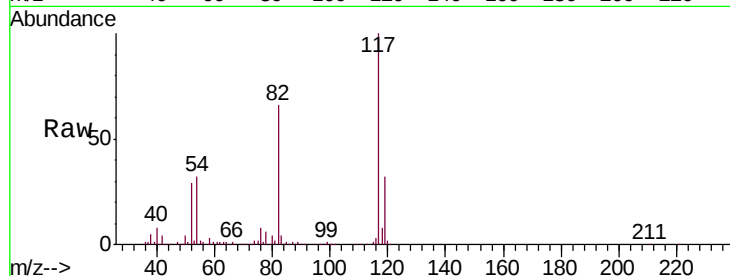




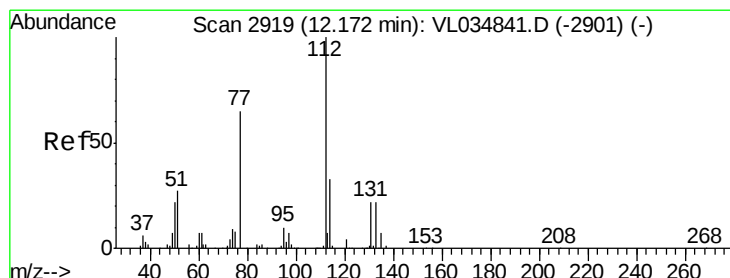
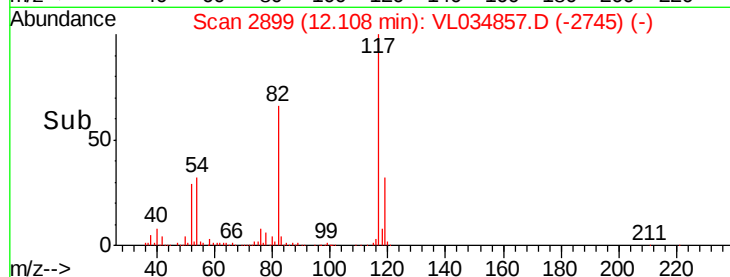
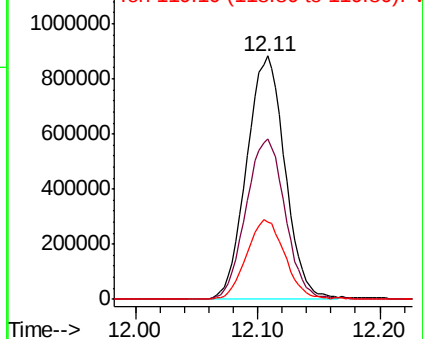
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion:117 Resp: 1913874
Ion Ratio Lower Upper
117 100
82 67.8 51.1 76.7
119 32.9 27.3 40.9

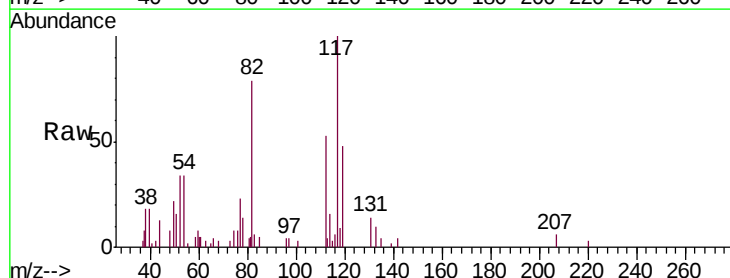


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

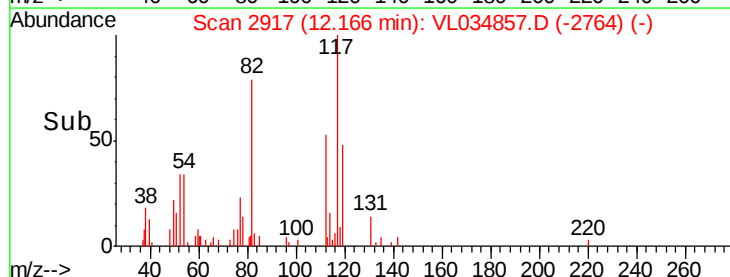
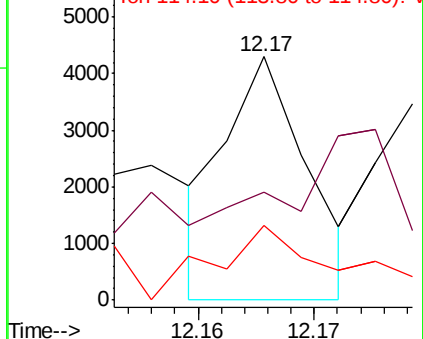


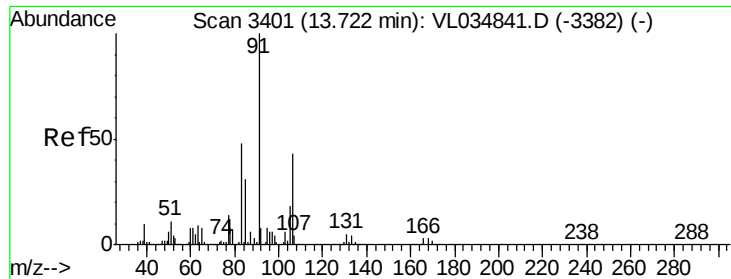
#57
Chlorobenzene
Concen: 0.014 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion:112 Resp: 2114
Ion Ratio Lower Upper
112 100
77 19.8 53.0 79.6#
114 26.3 29.5 36.1#



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





#60

o-Xylene

Concen: 0.015 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

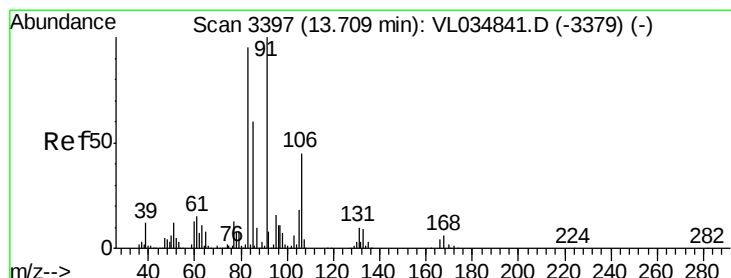
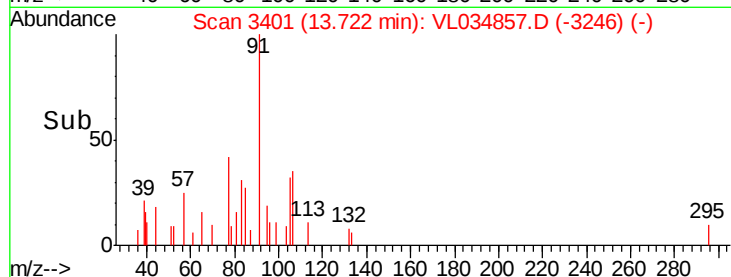
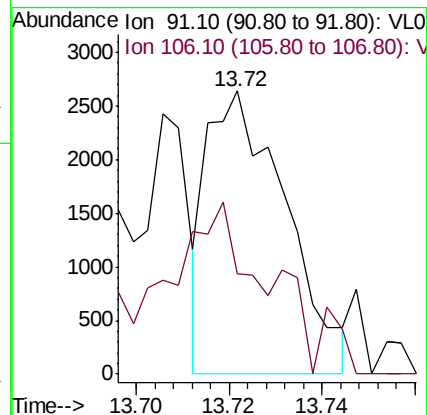
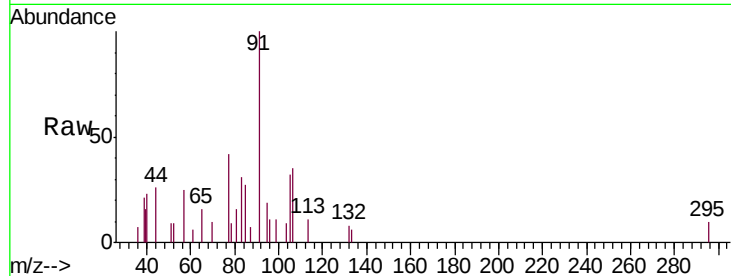
ClientSampleId :

Tgt Ion: 91 Resp: 3102

Ion Ratio Lower Upper

91 100

106 93.4 22.5 67.5#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.011 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

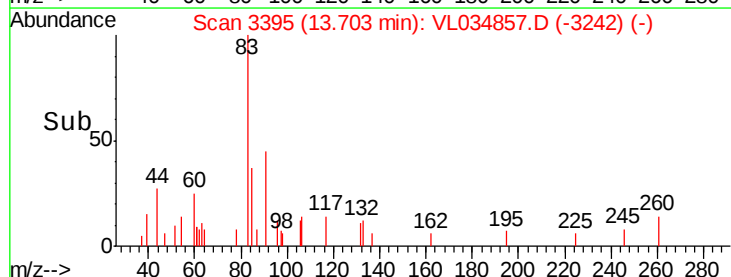
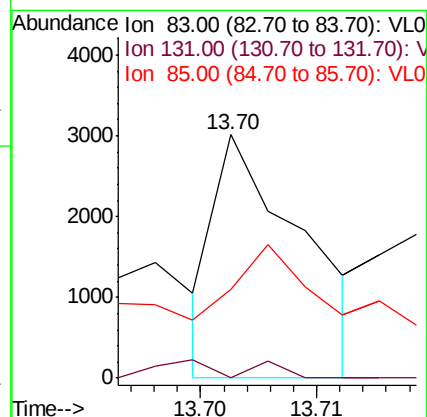
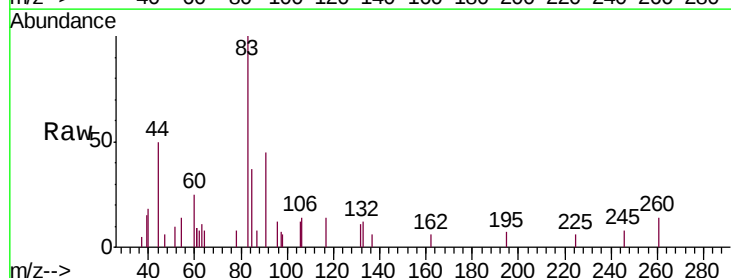
Tgt Ion: 83 Resp: 1579

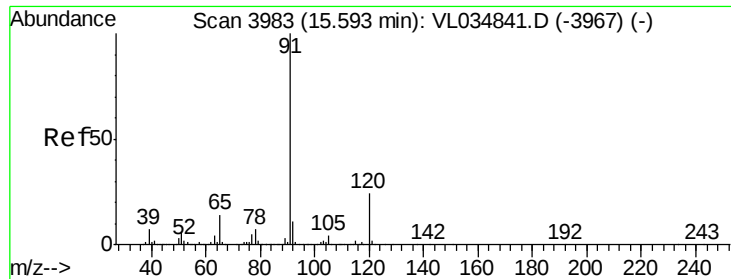
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 169.3 32.4 97.2#

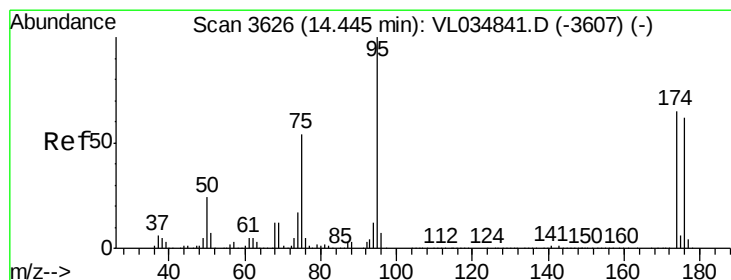
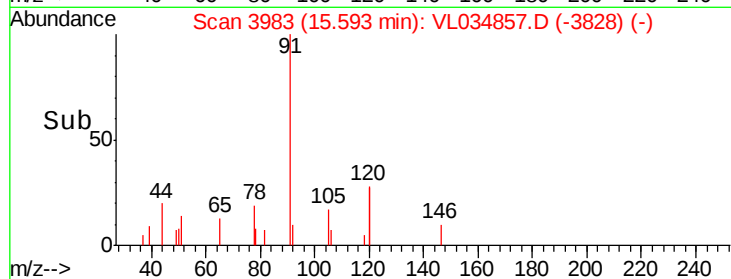
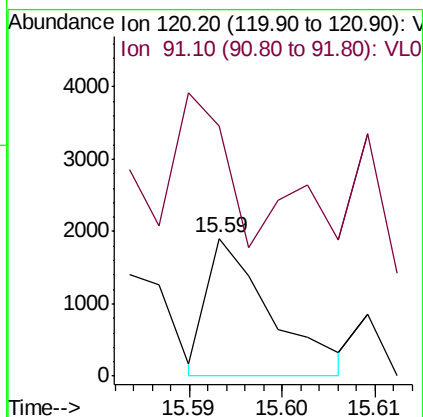
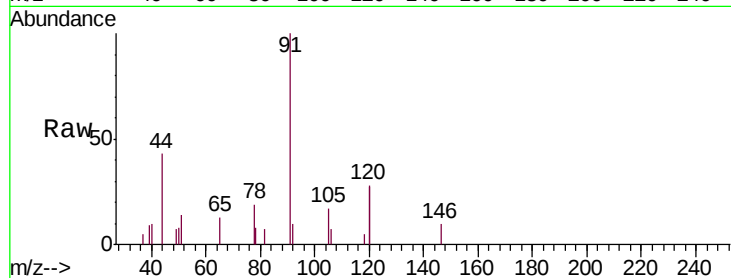




#64
n-propylbenzene
Concen: 0.011 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

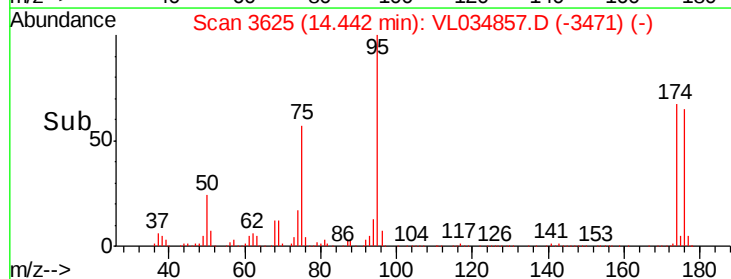
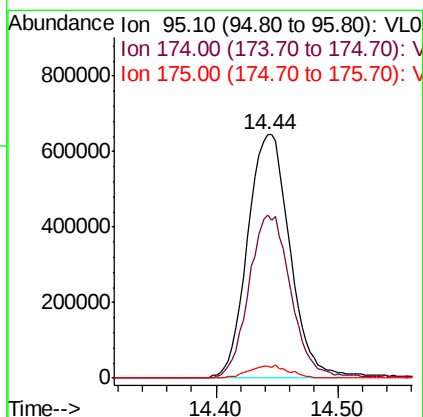
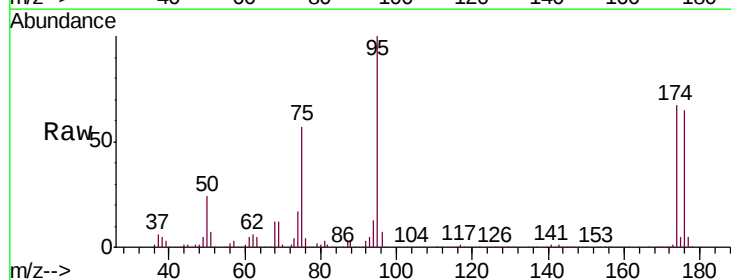
Instrument :
MSVOA_L
ClientSampleId :

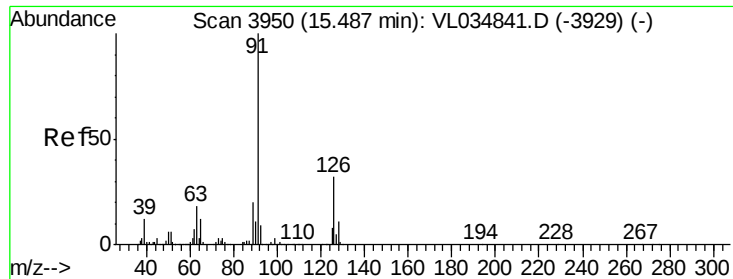
Tgt Ion:120 Resp: 925
Ion Ratio Lower Upper
120 100
91 967.1 360.9 541.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.305 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 95 Resp: 1538065
Ion Ratio Lower Upper
95 100
174 68.3 55.2 82.8
175 5.0 4.3 6.5

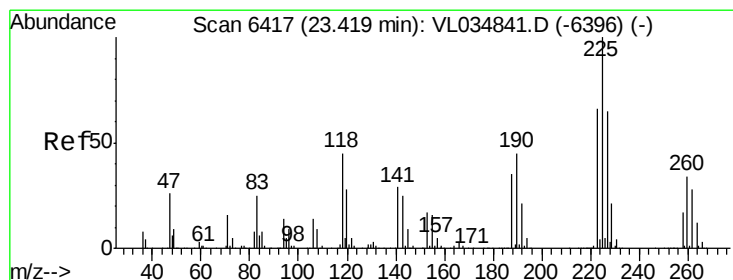
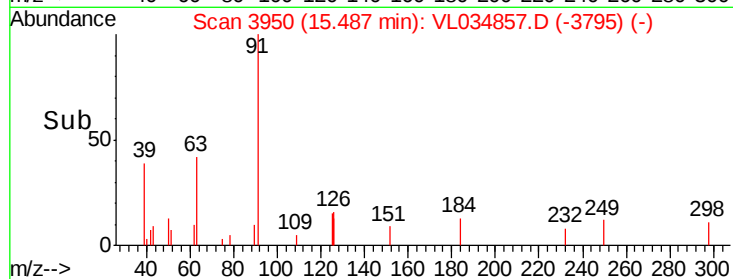
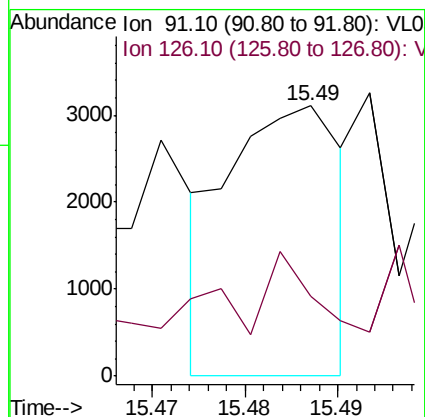
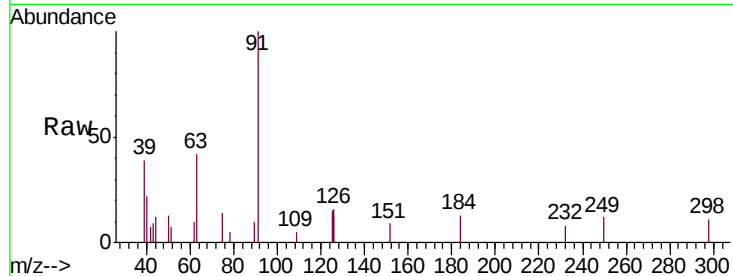




#71
2-Chlorotoluene
Concen: 0.011 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

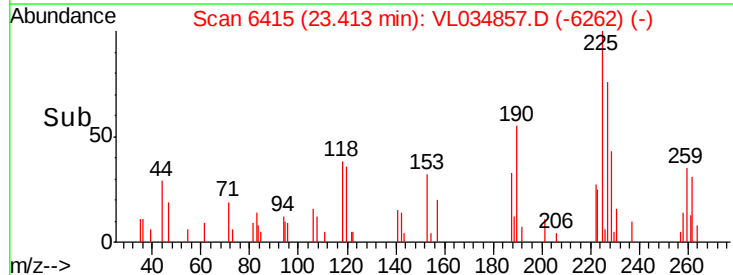
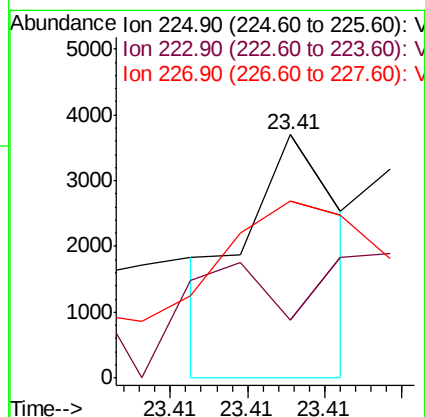
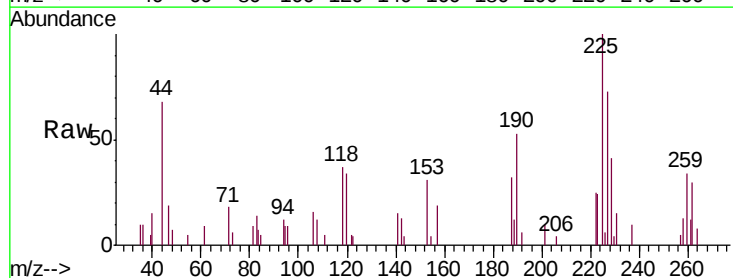
Instrument :
MSVOA_L
ClientSampleId :

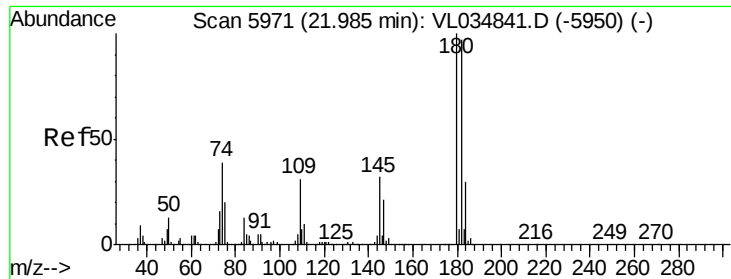
Tgt Ion: 91 Resp: 2625
Ion Ratio Lower Upper
91 100
126 0.0 12.3 49.1#



#78
Hexachloro-1,3-Butadiene
Concen: 0.013 ppbv
RT: 23.41 min Scan# 6415
Delta R.T. -0.01 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 225 Resp: 1566
Ion Ratio Lower Upper
225 100
223 0.0 51.1 76.7#
227 290.4 51.8 77.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.011 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:180 Resp: 1317
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.6 115.0#
 184 0.0 25.0 37.4#

