

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036387.D
 Acq On : 25 Feb 2021 18:53
 Operator : SY/AP
 Sample : M1458-14 0.5 LOQ
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:37:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1549244	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3419415	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3113668	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2588120	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	145509	0.629	ppbv	96
3) Chlorodifluoromethane	2.98	51	124438	0.646	ppbv	98
4) Chloromethane	3.13	50	53738	0.578	ppbv #	86
5) Vinyl Chloride	3.25	62	41641	0.481	ppbv	93
6) Bromomethane	3.46	94	20841	0.405	ppbv	99
7) Chloroethane	3.55	64	17746	0.577	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	133739	0.636	ppbv	95
9) Propene	3.00	41	42559	0.593	ppbv	84
10) Heptane	8.10	43	50176	0.237	ppbv #	28
11) Trichlorofluoromethane	3.94	101	124349	0.549	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	88415	0.630	ppbv	96
13) Ethanol	3.59	45	1379	0.102	ppbv #	32
14) Bromoethene	3.73	108	16671	0.284	ppbv #	1
15) Acetone	3.85	43	124219	0.656	ppbv #	79
16) 1,3-Butadiene	3.31	39	43091	0.476	ppbv	99
17) tert-Butyl alcohol	4.29	59	45381	0.309	ppbv #	59
18) 1,1-Dichloroethene	4.27	96	13440	0.211	ppbv	81
19) Isopropyl Alcohol	3.96	45	48068	0.458	ppbv #	68
20) Methylene Chloride	4.33	84	35632	0.583	ppbv	93
21) Allyl Chloride	4.40	41	51770	0.491	ppbv	91
22) trans-1,2-Dichloroethene	4.87	96	17972	0.310	ppbv	95
23) Vinyl Acetate	5.06	43	104325	0.469	ppbv #	93
24) 1,1-Dichloroethane	5.00	63	92628	0.562	ppbv	99
25) Ethyl Acetate	5.66	43	197345	0.540	ppbv #	97
26) Hexane	5.67	57	74174	0.494	ppbv #	75
27) Carbon Disulfide	4.54	76	41855	0.303	ppbv #	60
28) Methyl tert-Butyl Ether	5.02	73	97559	0.497	ppbv	99
29) Chloroform	5.73	83	144872	0.599	ppbv	94
30) Cyclohexane	7.11	84	37411	0.299	ppbv #	59
31) cis-1,2-Dichloroethene	5.53	61	65431	0.440	ppbv #	89
32) 1,1,1-Trichloroethane	6.49	97	133486	0.590	ppbv	99
34) 2-Butanone	5.24	43	49540	0.218	ppbv #	30
35) Carbon Tetrachloride	7.00	117	129026	0.563	ppbv	91
36) Benzene	6.87	78	147738	0.509	ppbv #	90
37) 1,2-Dichloroethane	6.29	62	100933	0.562	ppbv	98
38) Trichloroethene	7.82	130	35131	0.338	ppbv	98
39) 1,2-Dichloropropane	7.59	63	66467	0.563	ppbv	93
41) Tetrahydrofuran	6.05	42	44576	0.352	ppbv	90
42) Bromodichloromethane	7.78	83	135782	0.565	ppbv #	98
43) Methyl Methacrylate	8.00	69	18749	0.153	ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	291610	0.552	ppbv	93

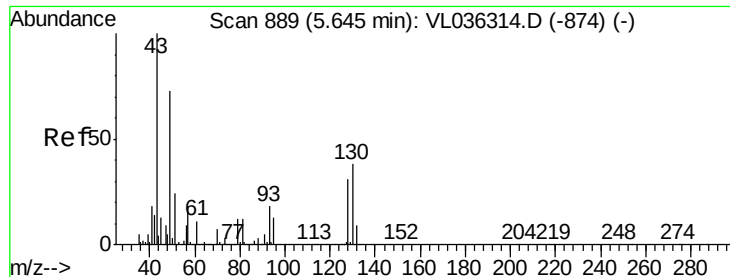
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.27	75	28119	0.238	ppbv	89
47) 1,1,2-Trichloroethane	9.46	97	36573	0.303	ppbv	93
48) Dibromochloromethane	10.28	129	30718	0.170	ppbv #	10
49) Bromoform	13.02	173	52524	0.361	ppbv #	75
50) 4-Methyl-2-Pentanone	8.74	43	125118	0.371	ppbv #	84
51) 2-Hexanone	10.14	43	69416	0.271	ppbv #	77
52) Tetrachloroethene	11.20	164	30474	0.287	ppbv	95
53) Toluene	9.79	91	134404	0.427	ppbv	97
54) 1,2-Dibromoethane	10.60	107	37430	0.214	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.11	131	51454	0.359	ppbv #	1
57) Chlorobenzene	12.13	112	149261	0.620	ppbv	97
58) Ethyl Benzene	12.70	91	196461	0.461	ppbv	92
59) m/p-Xylene	12.98	91	199104	0.532	ppbv #	44
60) o-Xylene	13.67	91	194087	0.542	ppbv	99
61) Styrene	13.51	104	78202	0.352	ppbv	87
62) Isopropylbenzene	14.65	105	302950	0.564	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	168010	0.595	ppbv	96
64) n-propylbenzene	15.54	120	69758	0.528	ppbv	73
65) tert-Butylbenzene	16.73	119	129328	0.282	ppbv #	15
66) Benzyl Chloride	16.98	91	22967	0.184	ppbv #	58
67) sec-Butylbenzene	17.28	105	366453	0.553	ppbv	100
69) p-Isopropyltoluene	17.64	119	254211	0.497	ppbv	96
70) n-Butylbenzene	18.54	91	264550	0.482	ppbv	98
71) 2-Chlorotoluene	15.44	91	208520	0.507	ppbv	100
72) 4-Ethyltoluene	15.83	105	97462	0.245	ppbv #	49
73) 1,3,5-Trimethylbenzene	15.99	105	170620	0.442	ppbv	96
74) 1,2,4-Trimethylbenzene	16.75	105	86344	0.219	ppbv #	88
75) 1,3-Dichlorobenzene	16.98	146	121495	0.568	ppbv	93
76) 1,4-Dichlorobenzene	17.12	146	108419	0.488	ppbv	89
77) 1,2-Dichlorobenzene	17.80	146	42618	0.201	ppbv #	21
78) Hexachloro-1,3-Butadiene	23.37	225	46017	0.265	ppbv #	1
79) Naphthalene	22.19	128	28448	0.122	ppbv #	90
80) Naphthalene,2-methyl-	25.16	142	2251	0.052	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	10390	0.073	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :

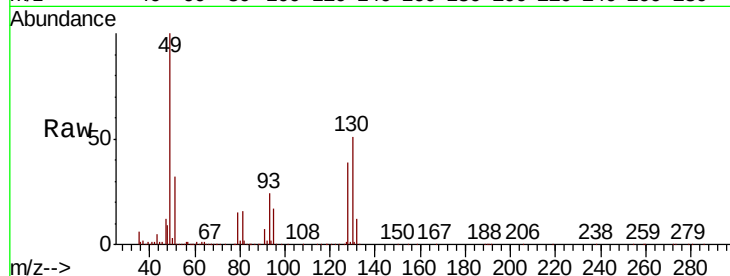
Tot Ion: 49 Resp: 1549244

Ion Ratio Lower Upper

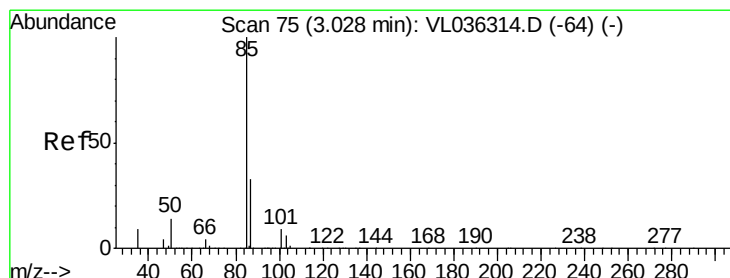
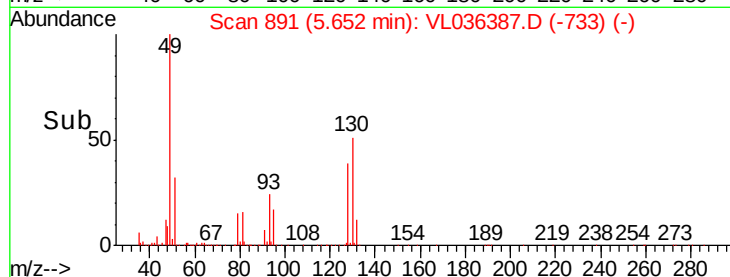
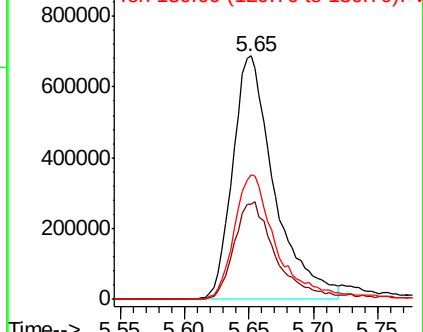
49 100

128 42.2 20.8 62.5

130 53.4 26.7 80.1



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: 0.629 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036387.D

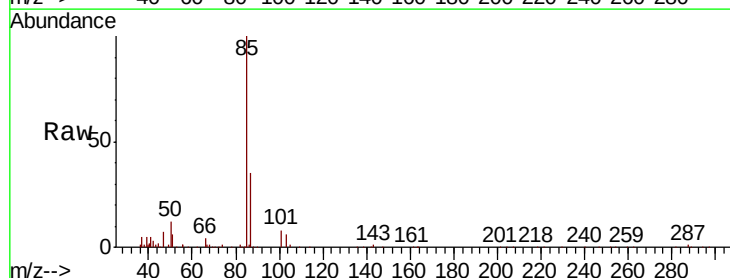
Acq: 25 Feb 2021 18:53

Tgt Ion: 85 Resp: 145509

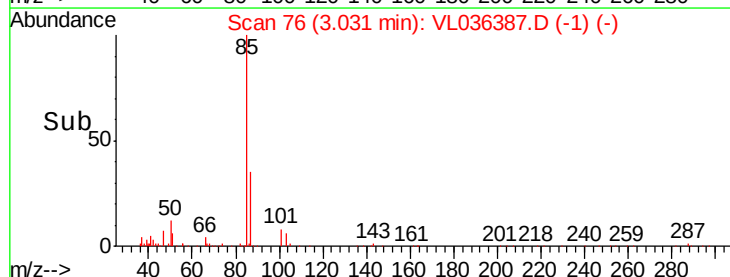
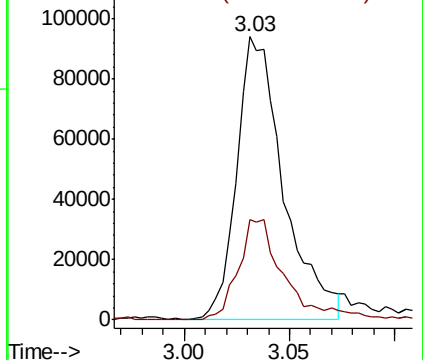
Ion Ratio Lower Upper

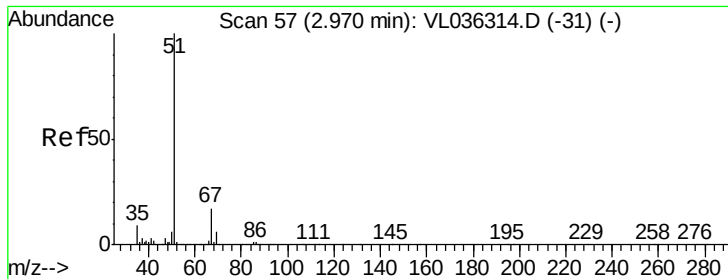
85 100

87 35.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.646 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

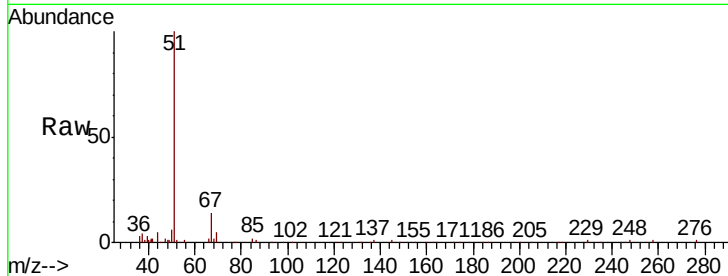
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 124438

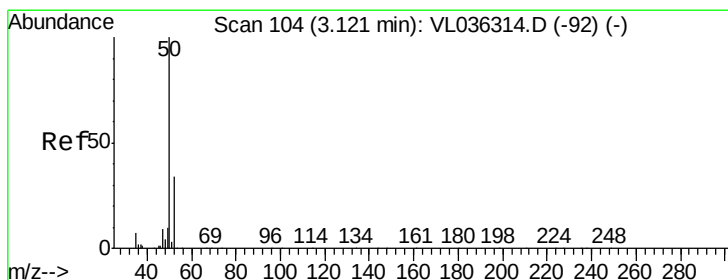
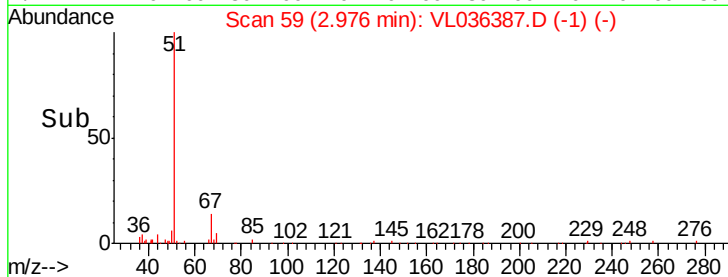
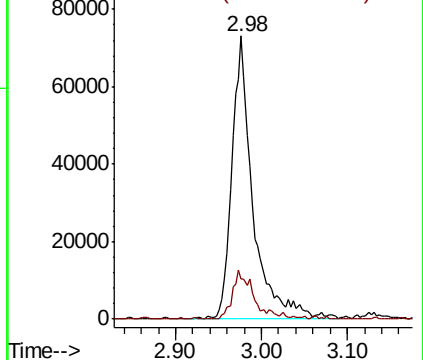
Ion Ratio Lower Upper

51 100

67 17.6 14.7 22.1



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



#4

Chloromethane

Concen: 0.578 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL036387.D

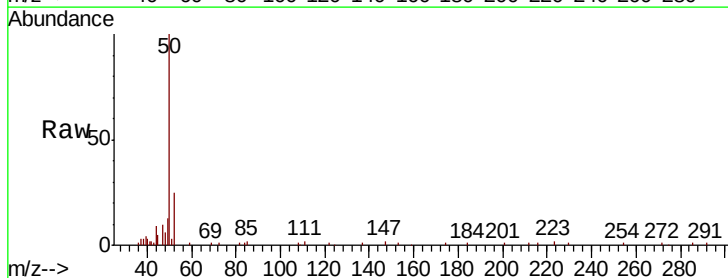
Acq: 25 Feb 2021 18:53

Tgt Ion: 50 Resp: 53738

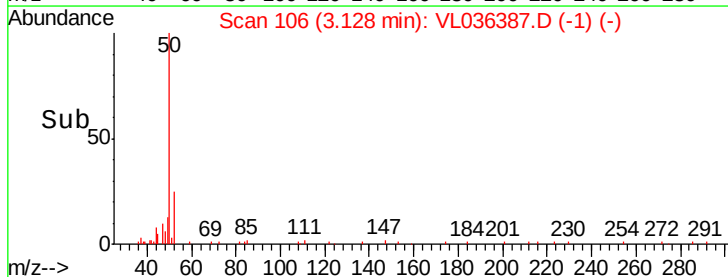
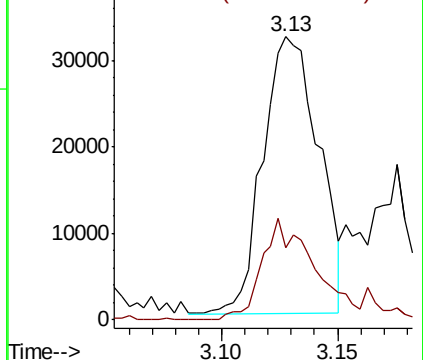
Ion Ratio Lower Upper

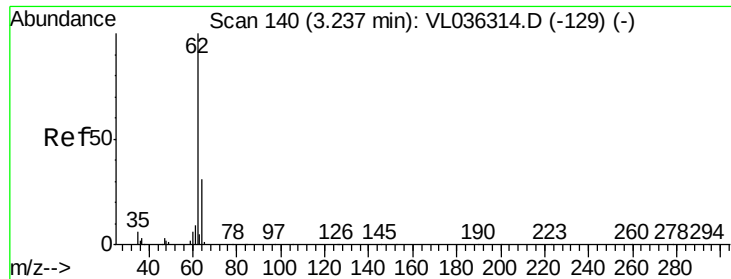
50 100

52 26.0 27.0 40.4#



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





#5

Vinyl Chloride

Concen: 0.481 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

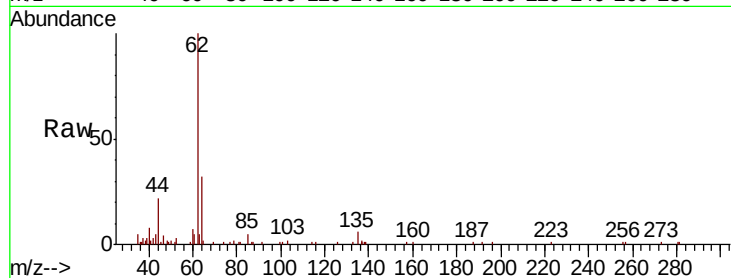
ClientSampleId :

Tot Ion: 62 Resp: 41641

Ion Ratio Lower Upper

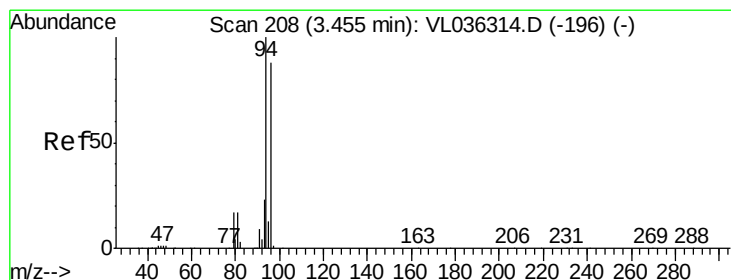
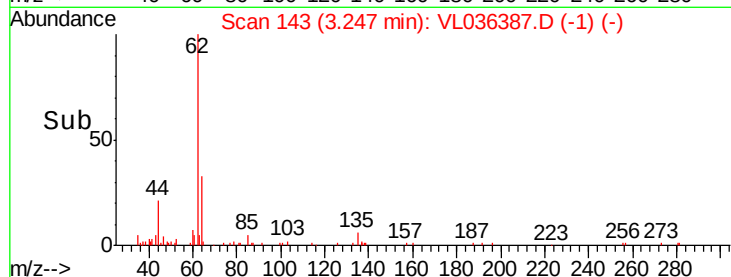
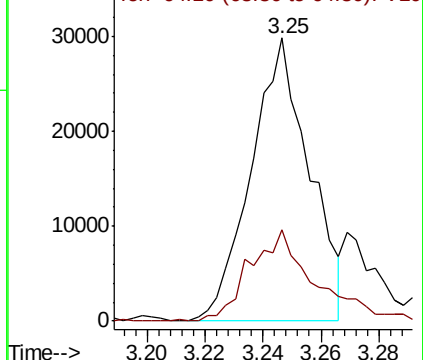
62 100

64 34.4 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.405 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036387.D

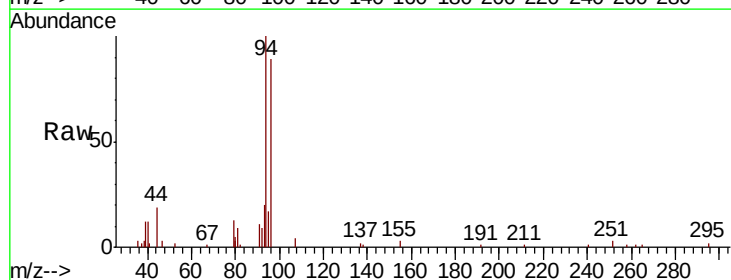
Acq: 25 Feb 2021 18:53

Tgt Ion: 94 Resp: 20841

Ion Ratio Lower Upper

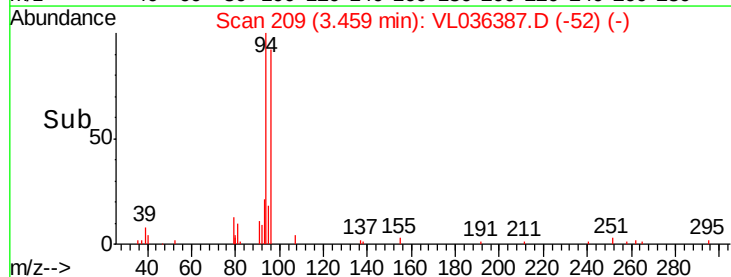
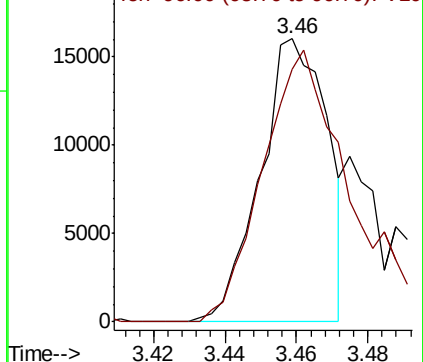
94 100

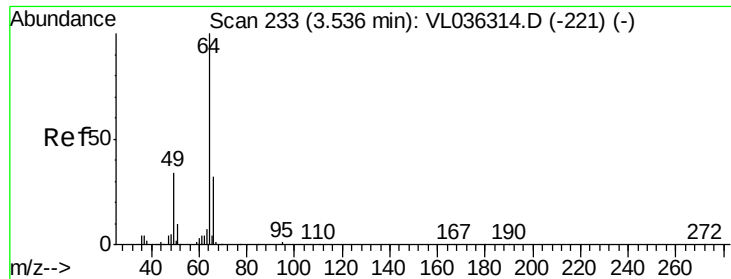
96 89.3 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.577 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

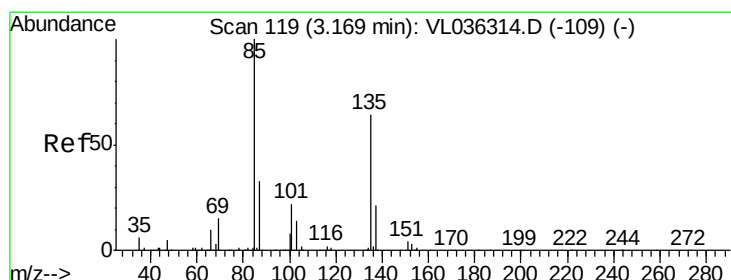
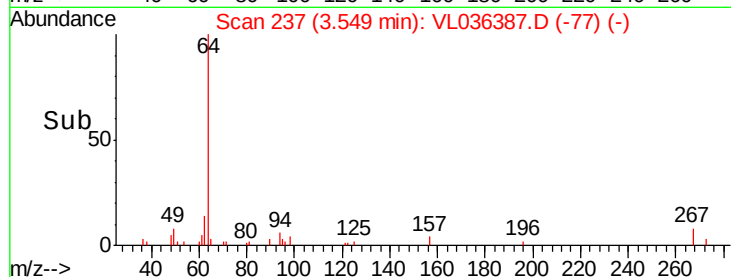
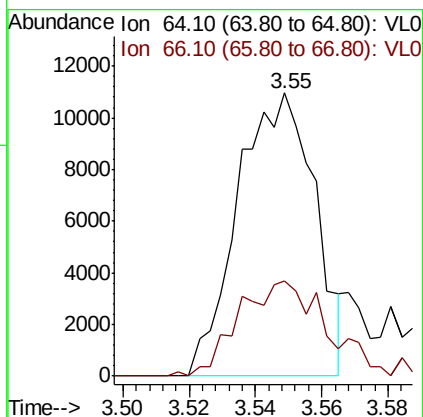
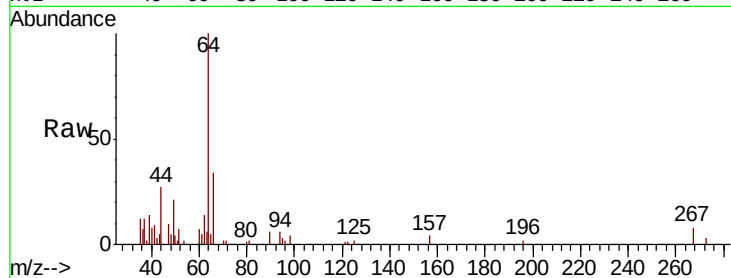
ClientSampleId :

Tot Ion: 64 Resp: 17746

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 0.636 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036387.D

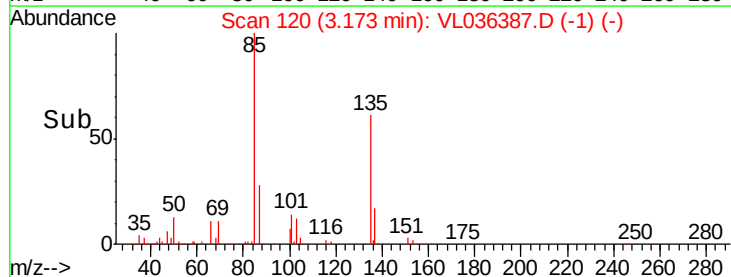
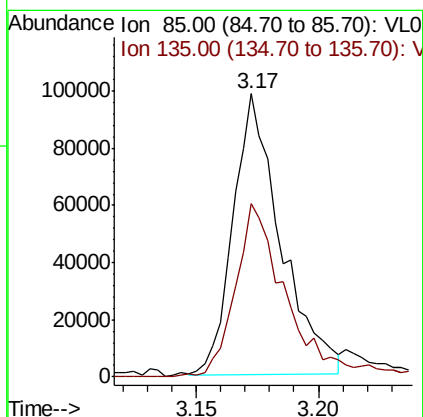
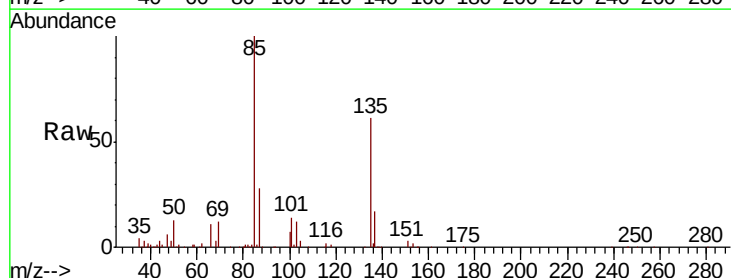
Acq: 25 Feb 2021 18:53

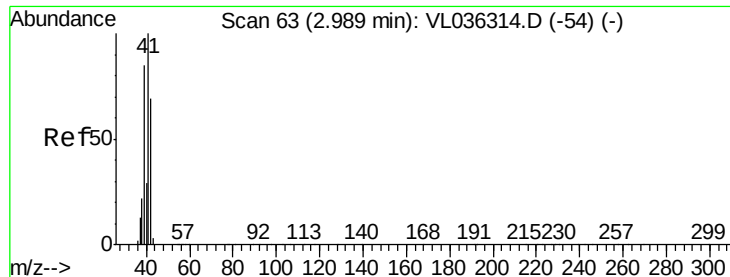
Tgt Ion: 85 Resp: 133739

Ion Ratio Lower Upper

85 100

135 67.7 51.1 76.7





#9

Propene

Concen: 0.593 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

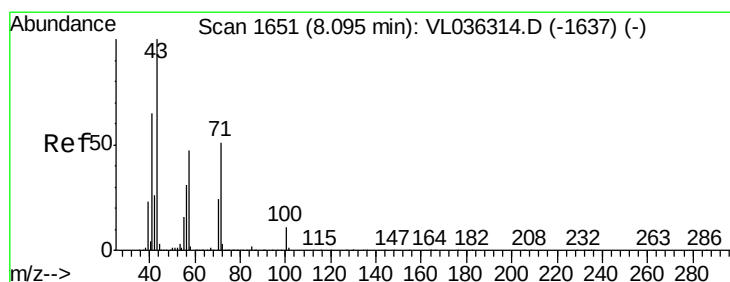
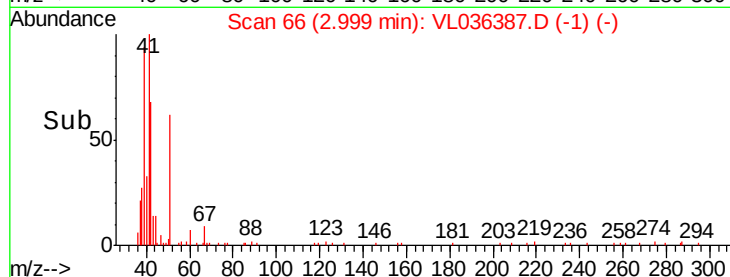
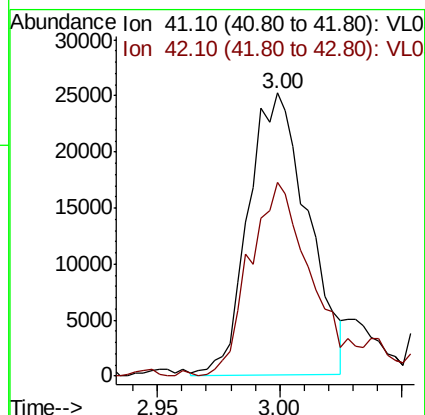
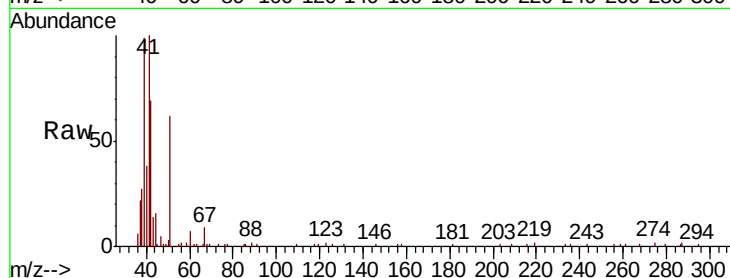
ClientSampled :

Tot Ion: 41 Resp: 42559

Ion Ratio Lower Upper

41 100

42 83.6 56.2 84.2



#10

Heptane

Concen: 0.237 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VL036387.D

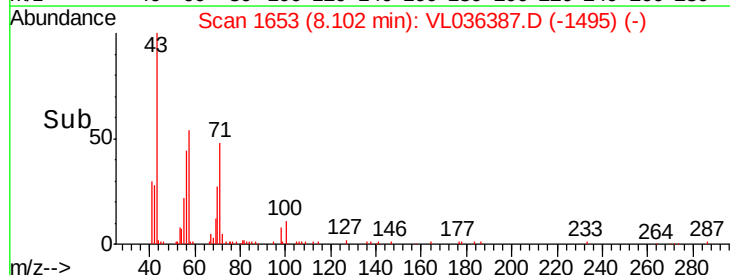
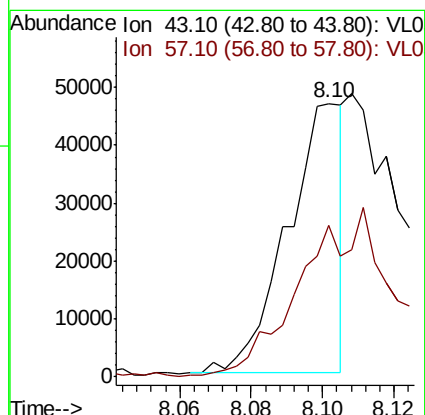
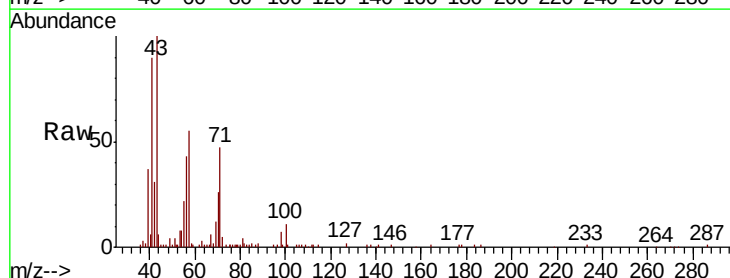
Acq: 25 Feb 2021 18:53

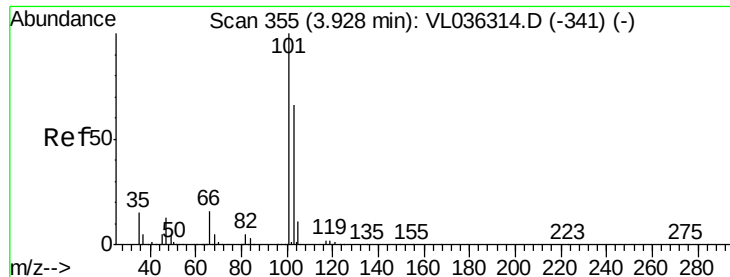
Tgt Ion: 43 Resp: 50176

Ion Ratio Lower Upper

43 100

57 0.0 39.4 59.2#





#11

Trichlorofluoromethane

Concen: 0.549 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

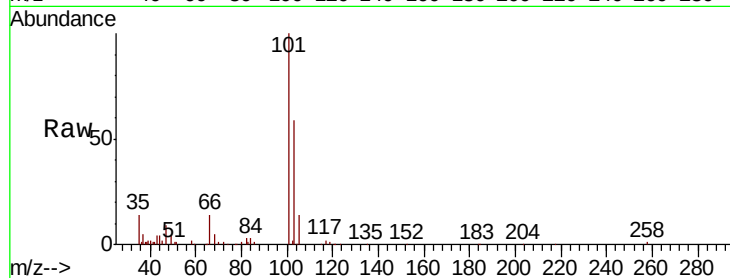
ClientSampleId :

Tot Ion:101 Resp: 124349

Ion Ratio Lower Upper

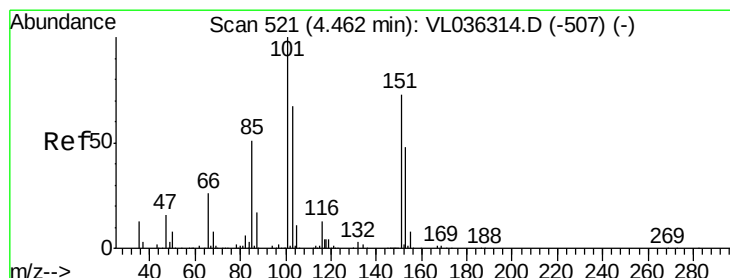
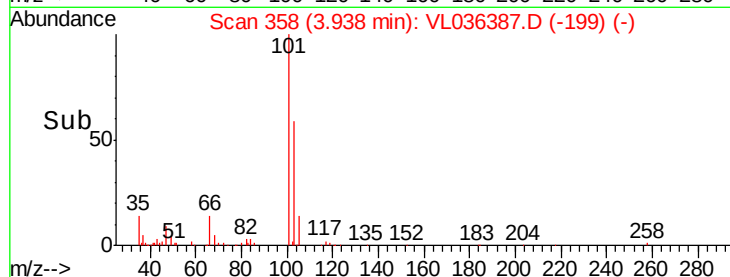
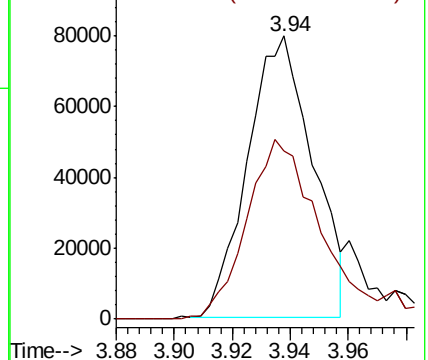
101 100

103 58.6 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.630 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL036387.D

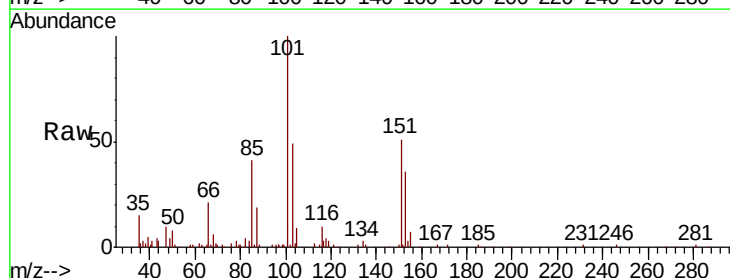
Acq: 25 Feb 2021 18:53

Tgt Ion:101 Resp: 88415

Ion Ratio Lower Upper

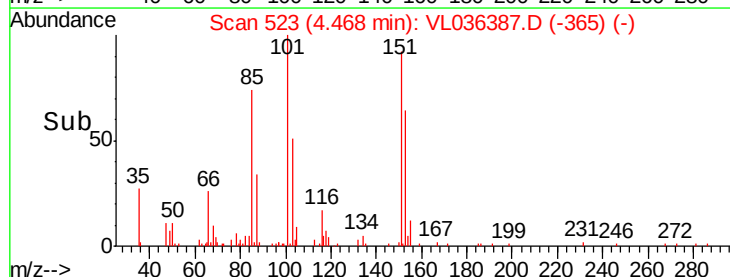
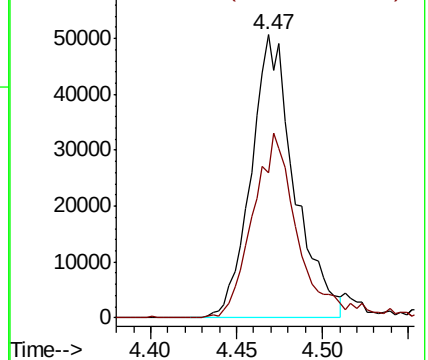
101 100

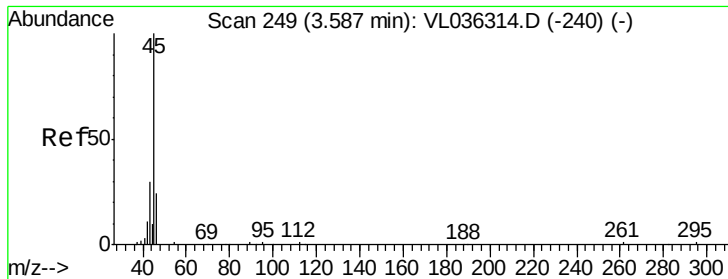
151 69.7 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.102 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

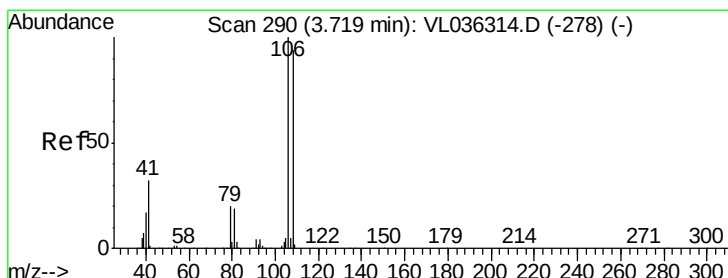
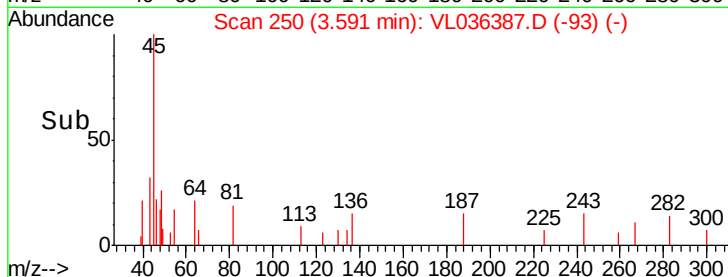
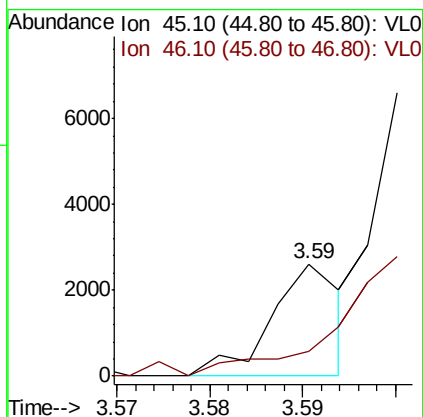
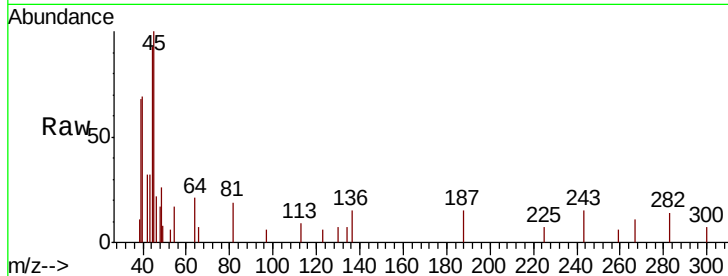
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 45 Resp: 1379

Ion Ratio Lower Upper

45 100

46 0.0 17.7 70.7#



#14

Bromoethene

Concen: 0.284 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

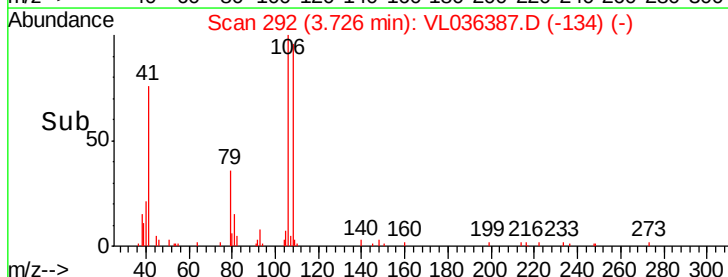
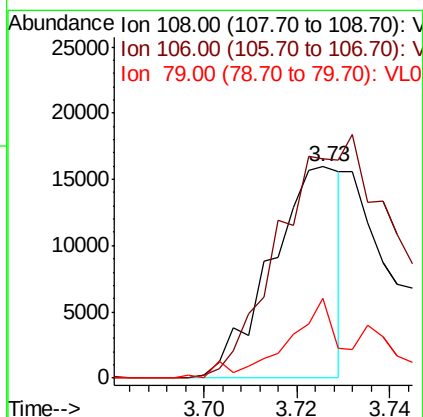
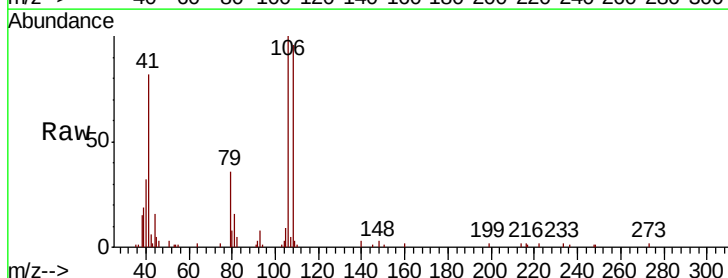
Tgt Ion:108 Resp: 16671

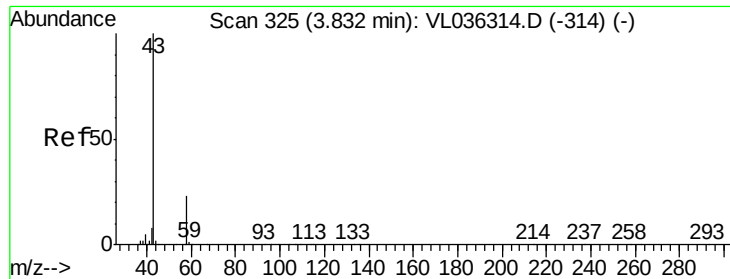
Ion Ratio Lower Upper

108 100

106 228.7 89.8 134.8#

79 54.7 17.1 25.7#

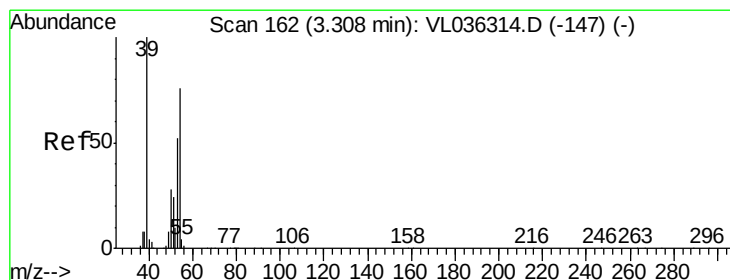
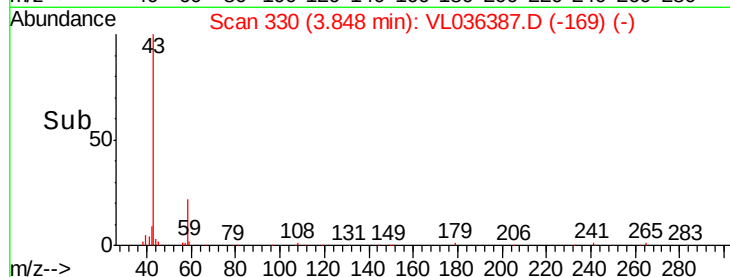
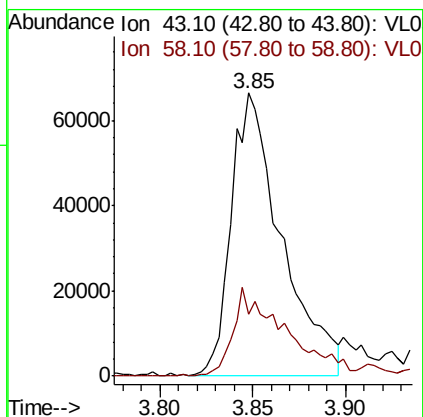
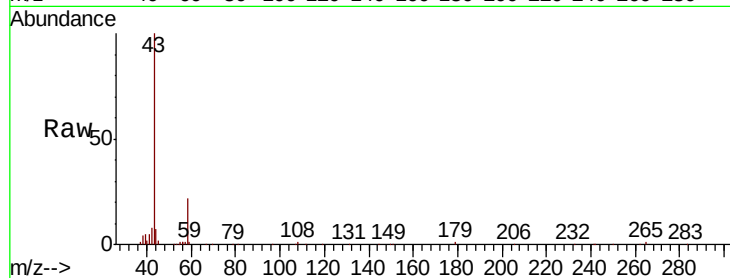




#15
Acetone
Concen: 0.656 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.02 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

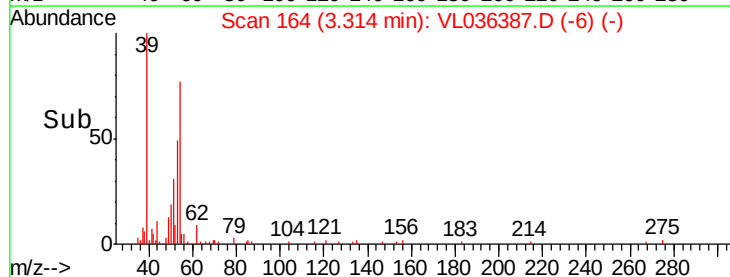
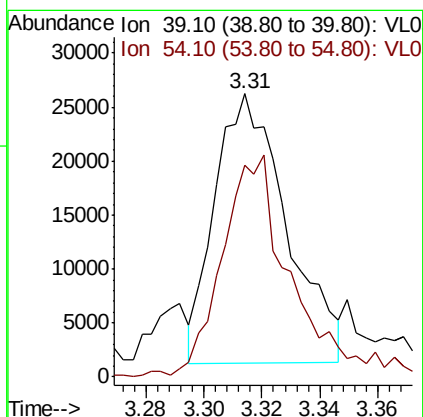
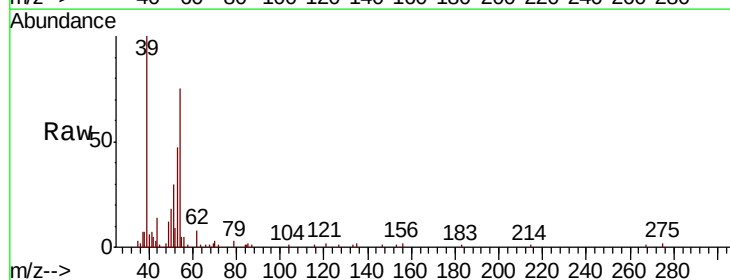
Instrument :
MSVOA_L
ClientSampleId :

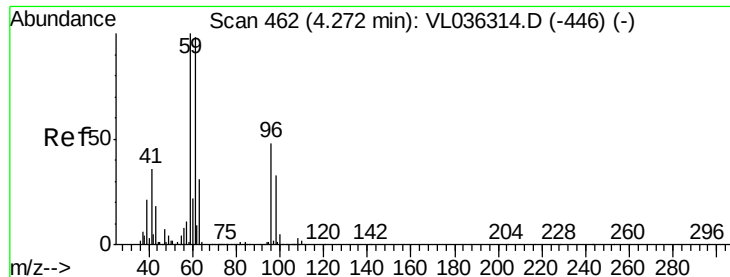
Tot Ion: 43 Resp: 124219
Ion Ratio Lower Upper
43 100
58 35.8 20.3 30.5#



#16
1,3-Butadiene
Concen: 0.476 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 39 Resp: 43091
Ion Ratio Lower Upper
39 100
54 81.2 64.4 96.6



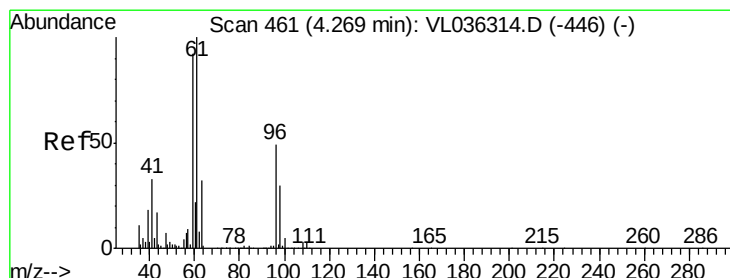
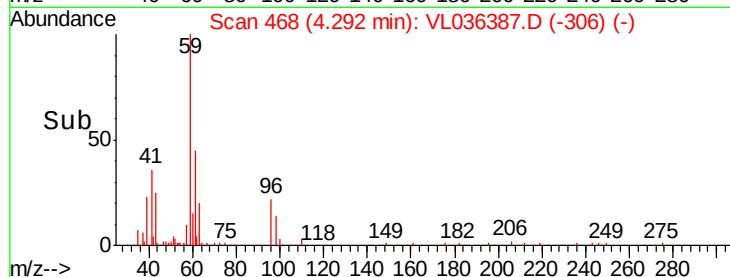
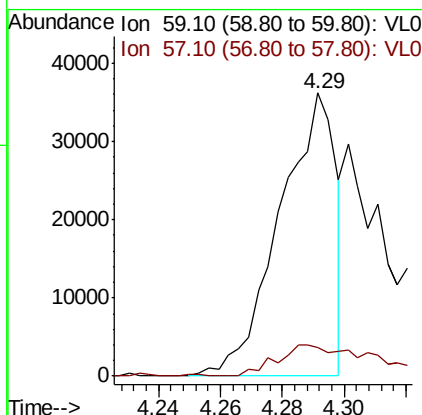
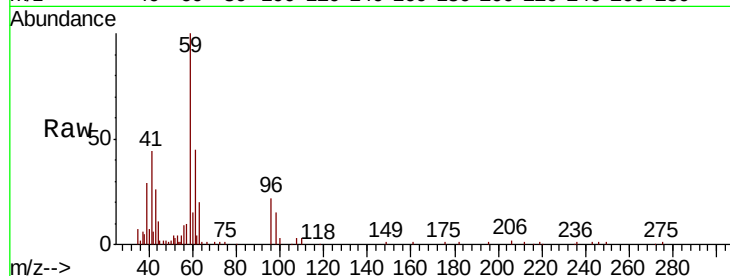


#17

tert-Butyl alcohol
Concen: 0.309 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampled :

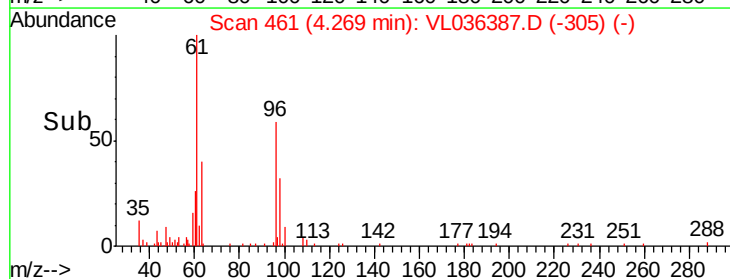
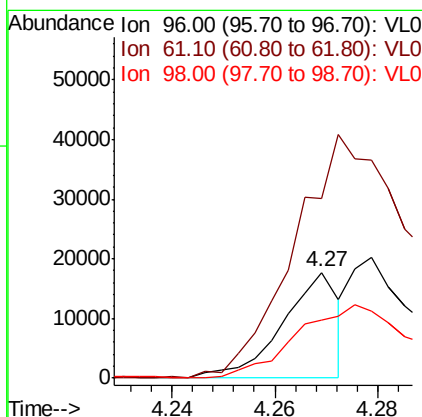
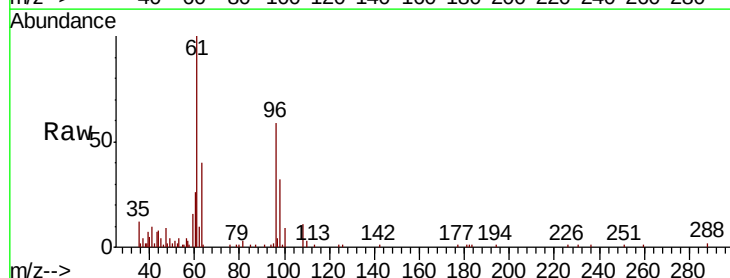
Tot Ion: 59 Resp: 45381
Ion Ratio Lower Upper
59 100
57 26.8 9.0 13.4#

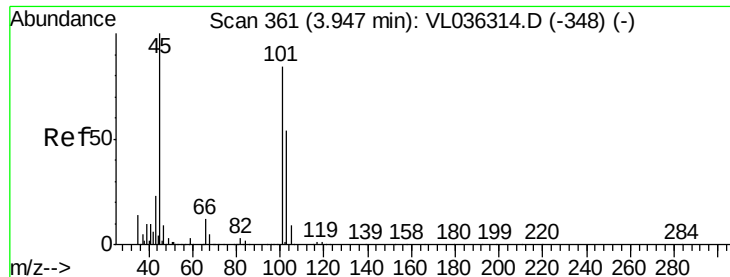


#18

1,1-Dichloroethene
Concen: 0.211 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 96 Resp: 13440
Ion Ratio Lower Upper
96 100
61 168.9 162.5 243.7
98 54.6 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.458 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

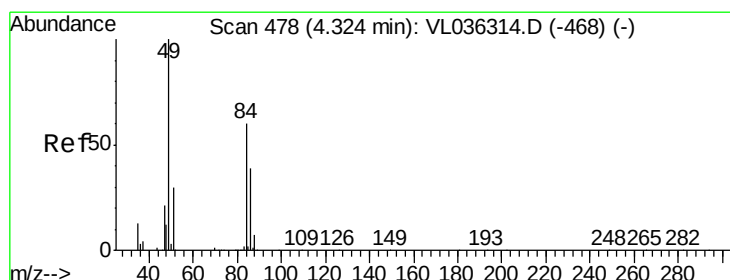
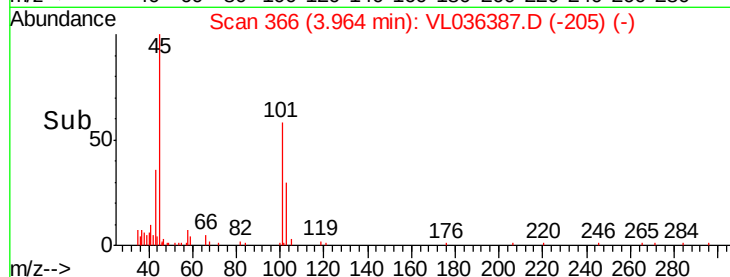
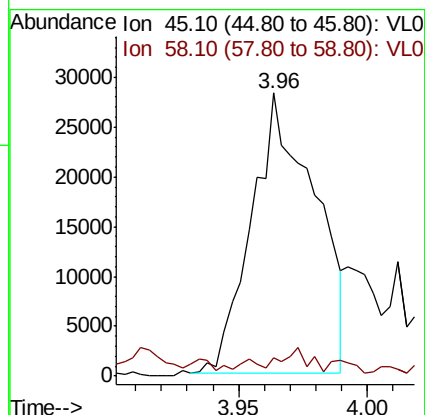
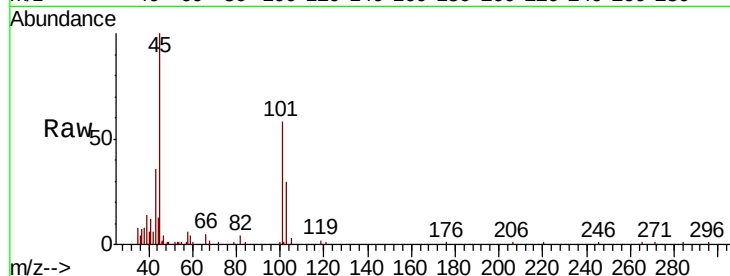
ClientSampleId :

Tot Ion: 45 Resp: 48068

Ion Ratio Lower Upper

45 100

58 13.5 1.9 2.9#



#20

Methylene Chloride

Concen: 0.583 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion: 84 Resp: 35632

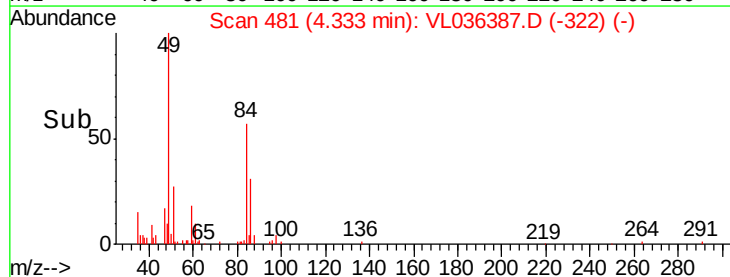
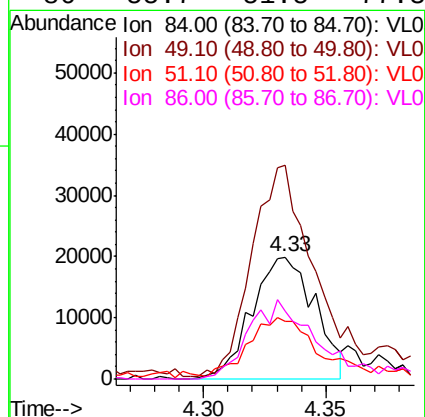
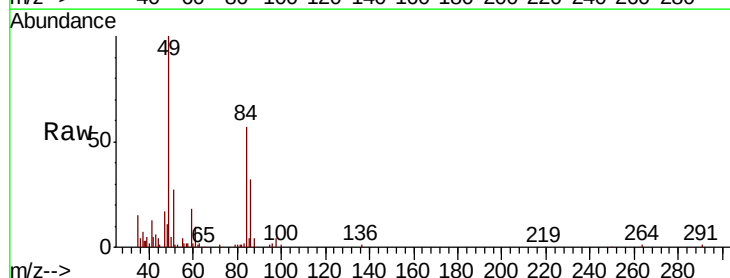
Ion Ratio Lower Upper

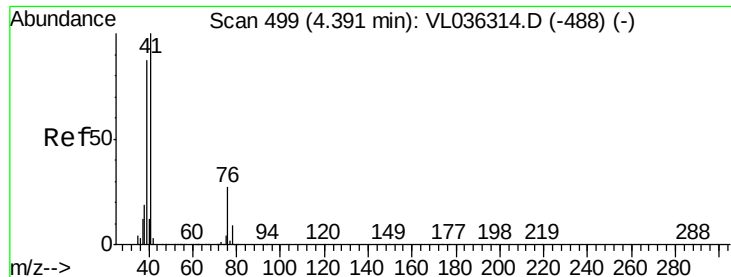
84 100

49 172.8 133.8 200.8

51 43.7 41.4 62.0

86 55.7 51.5 77.3

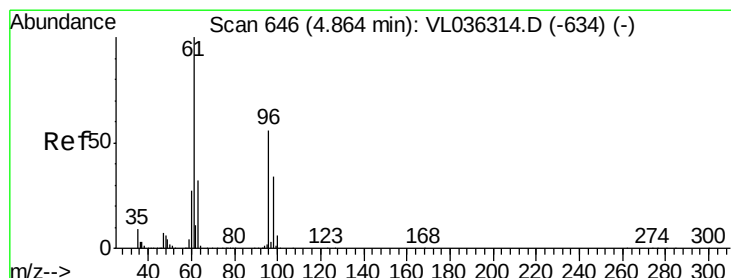
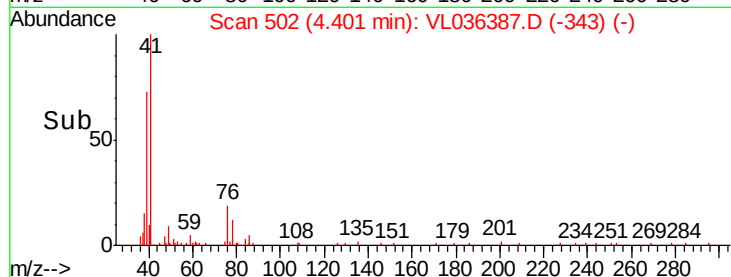
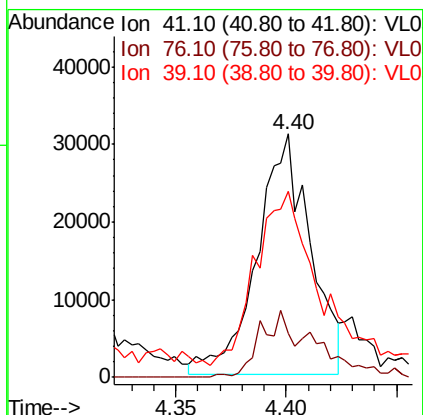
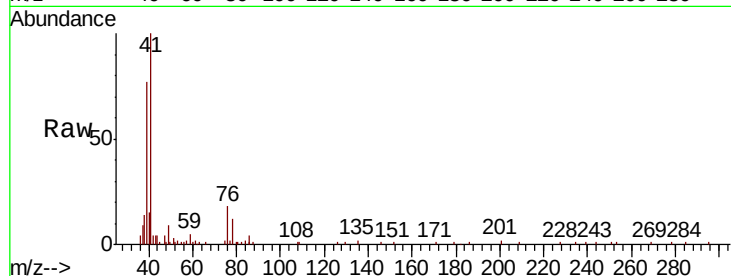




#21
Allvl Chloride
Concen: 0.491 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

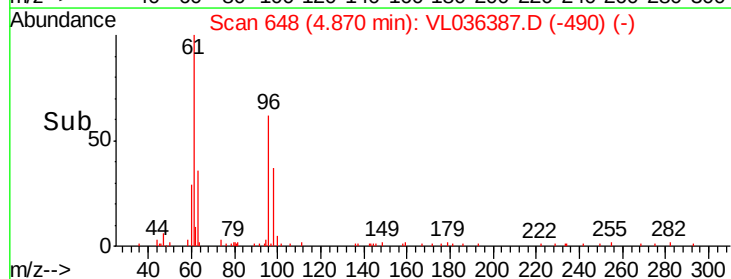
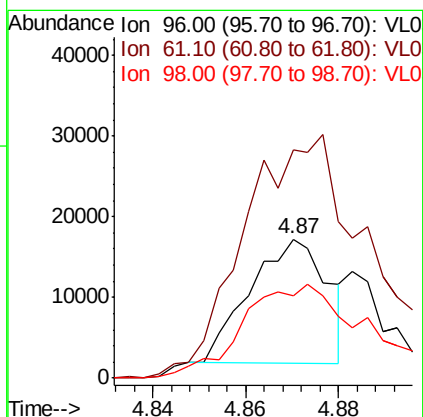
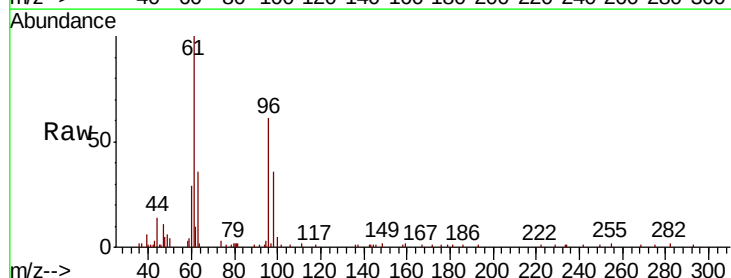
Instrument :
MSVOA_L
ClientSampleId :

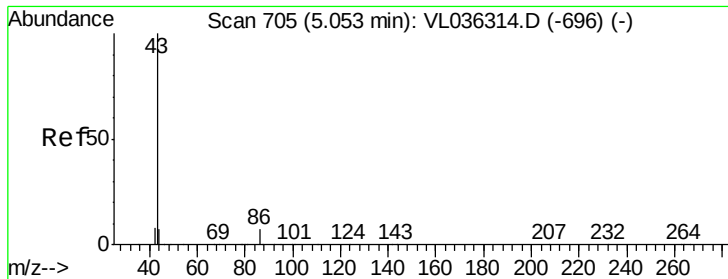
Tot Ion: 41 Resp: 51770
Ion Ratio Lower Upper
41 100
76 28.9 22.0 33.0
39 98.2 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 0.310 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 96 Resp: 17972
Ion Ratio Lower Upper
96 100
61 172.4 143.7 215.5
98 57.7 48.5 72.7

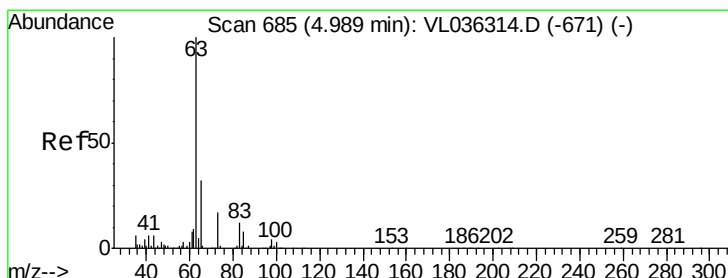
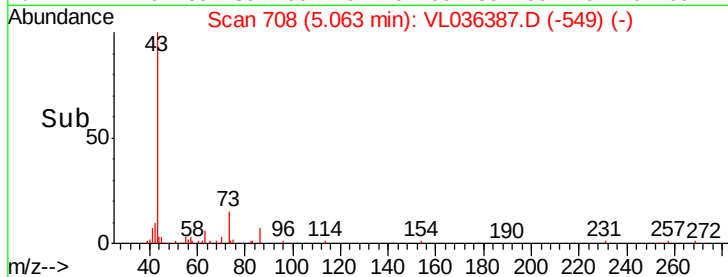
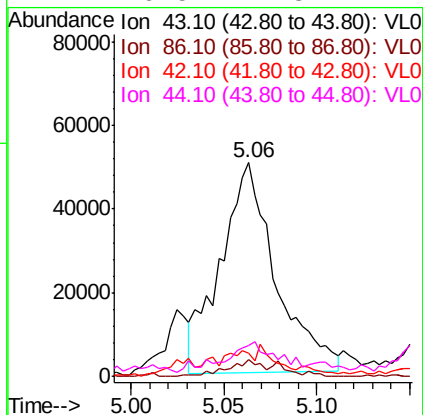
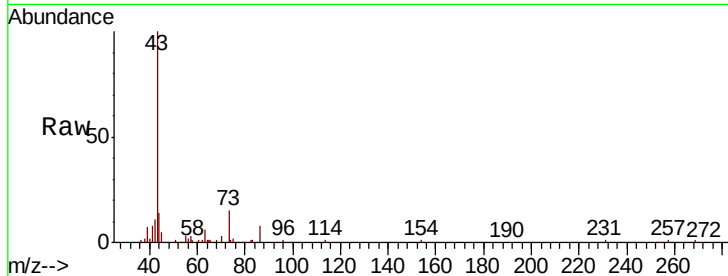




#23
 Vinyl Acetate
 Concen: 0.469 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

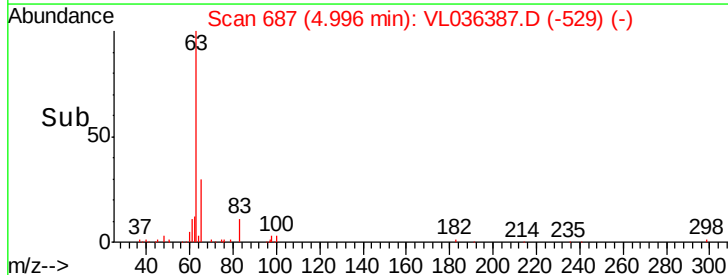
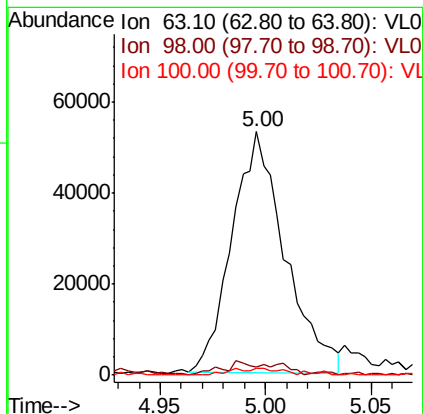
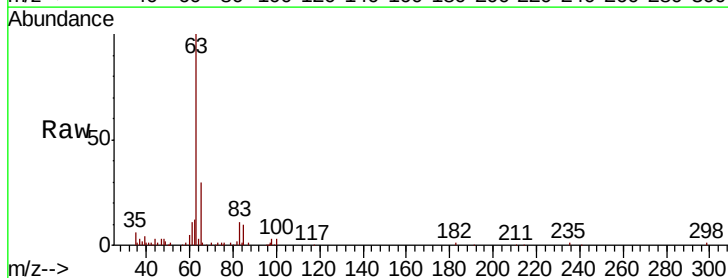
Instrument :
 MSVOA_L
 ClientSampleId :

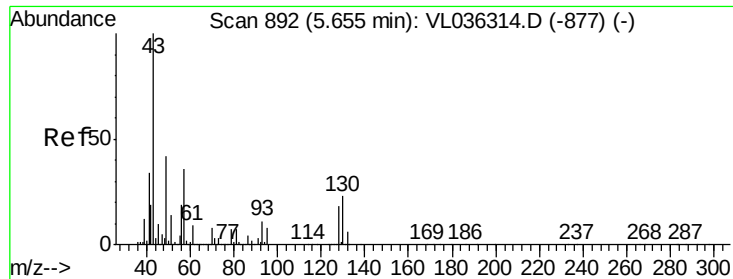
Tot Ion:	43	Resp:	104325
Ion	Ratio	Lower	Upper
43	100		
86	8.4	4.8	7.2#
42	10.3	7.4	11.0
44	10.5	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.562 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion:	63	Resp:	92628
Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.0	6.0
100	3.0	1.5	4.4

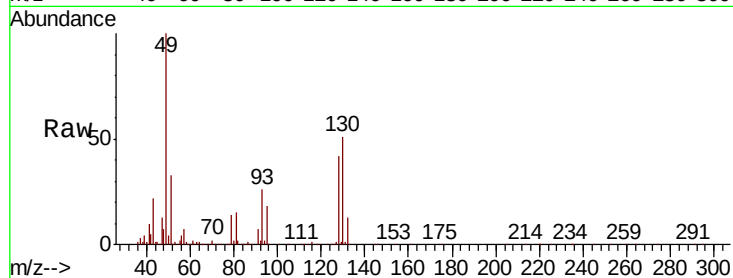




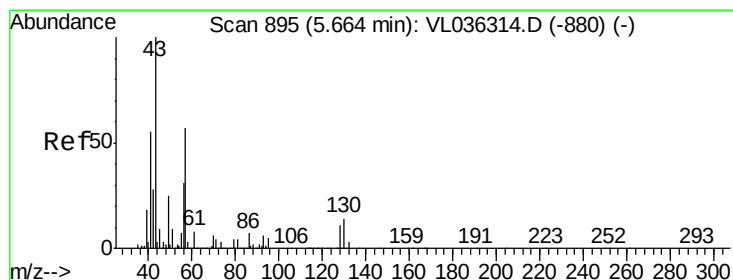
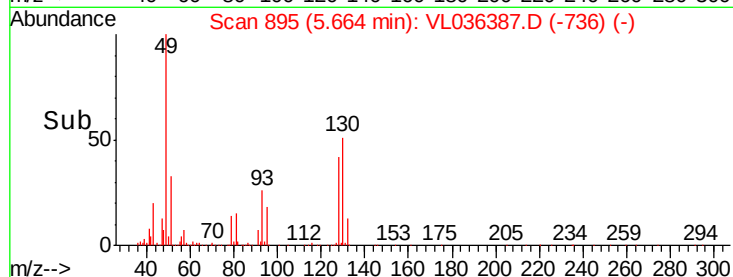
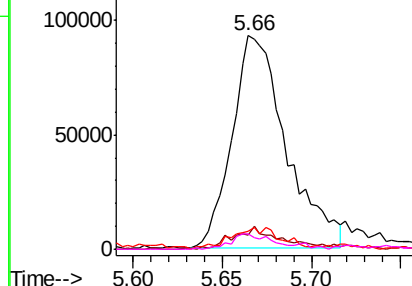
#25
Ethyl Acetate
Concen: 0.540 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	197345
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.3	12.5
61	11.0	7.3	10.9#
70	6.2	5.4	8.0

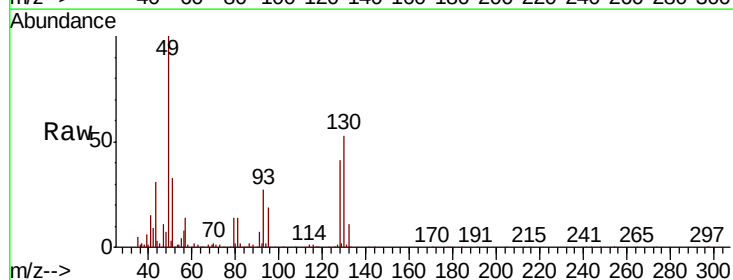


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

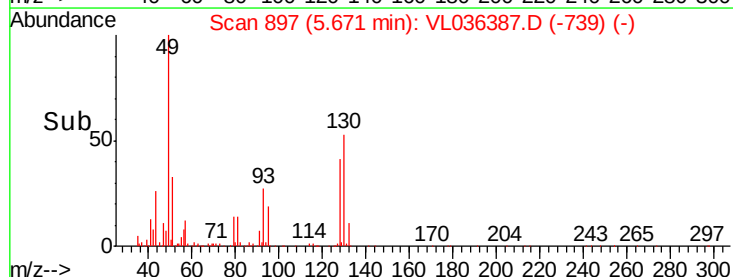
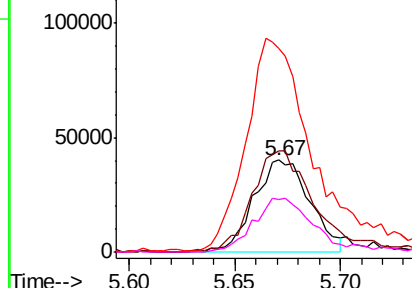


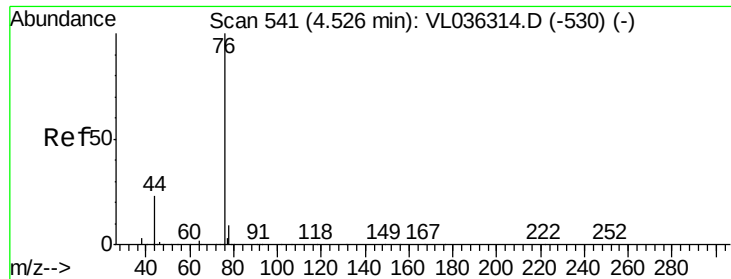
#26
Hexane
Concen: 0.494 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion:	57	Resp:	74174
Ion	Ratio	Lower	Upper
57	100		
41	130.2	81.7	122.5#
43	295.0	199.1	298.7
56	65.8	44.0	66.0



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: 0.303 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

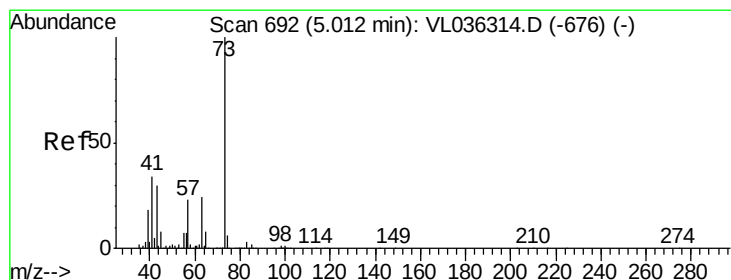
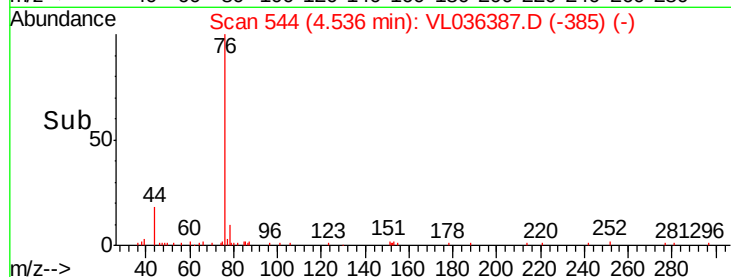
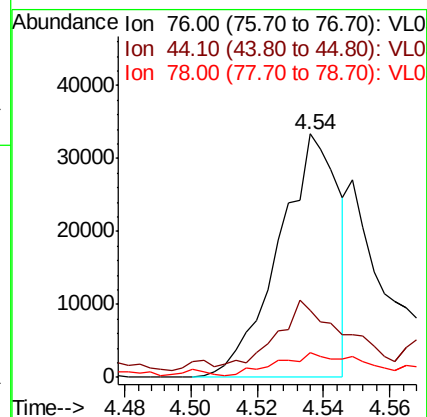
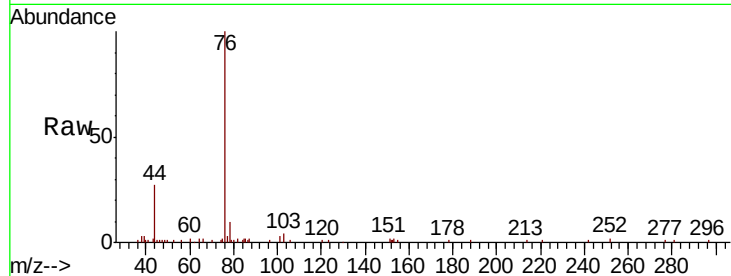
Tot Ion: 76 Resp: 41855

Ion Ratio Lower Upper

76 100

44 45.7 18.4 27.6#

78 19.3 8.0 12.0#



#28

Methyl tert-Butyl Ether

Concen: 0.497 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL036387.D

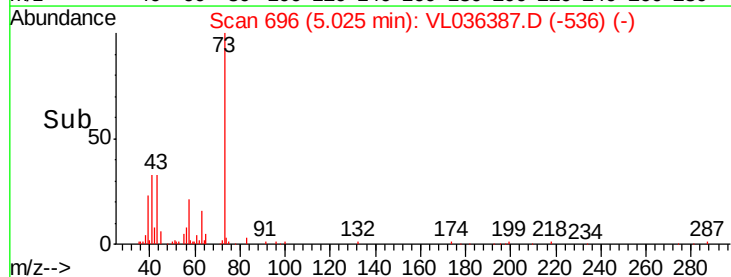
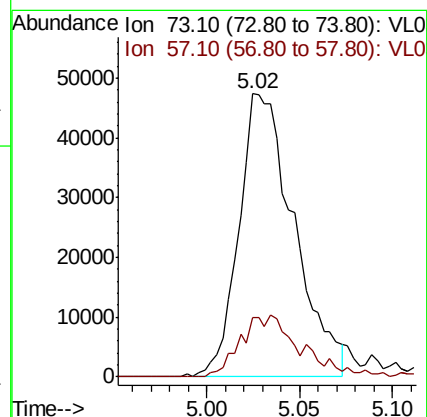
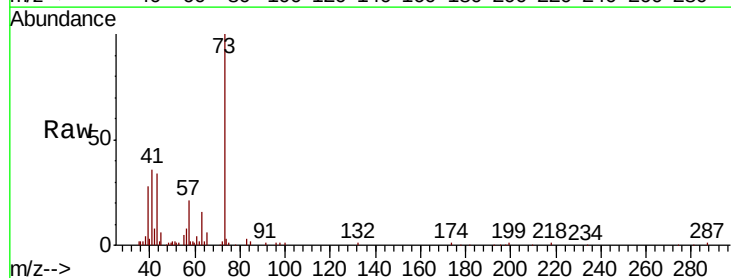
Acq: 25 Feb 2021 18:53

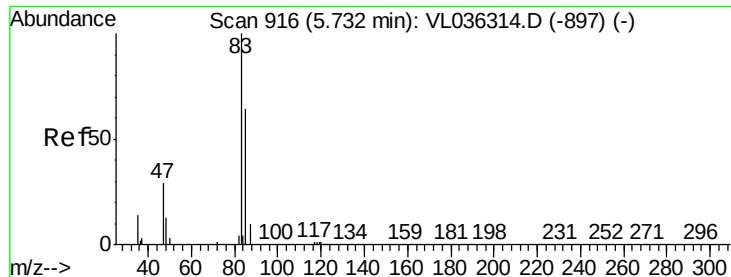
Tgt Ion: 73 Resp: 97559

Ion Ratio Lower Upper

73 100

57 24.6 19.2 28.8

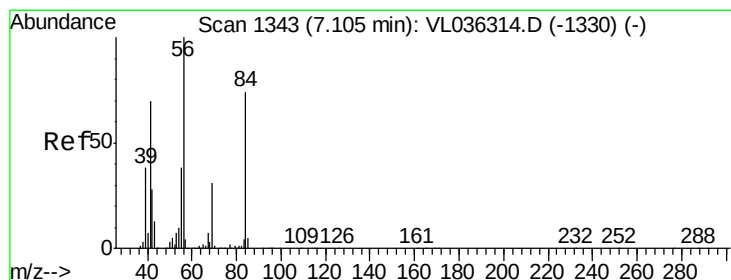
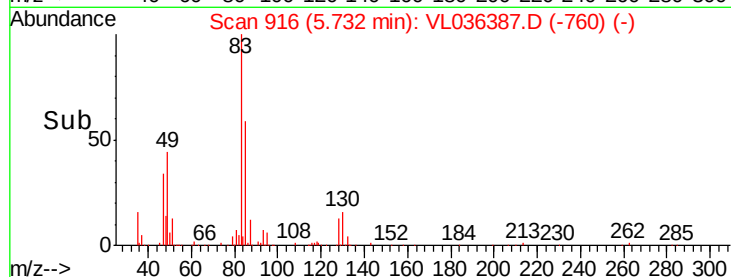
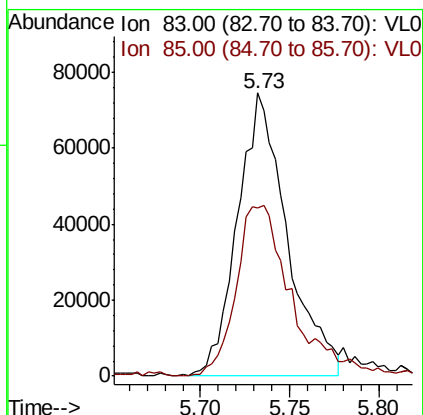
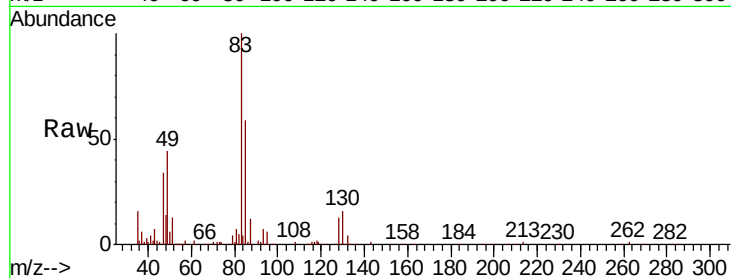




#29
Chloroform
Concen: 0.599 ppbv
RT: 5.73 min Scan# 916
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

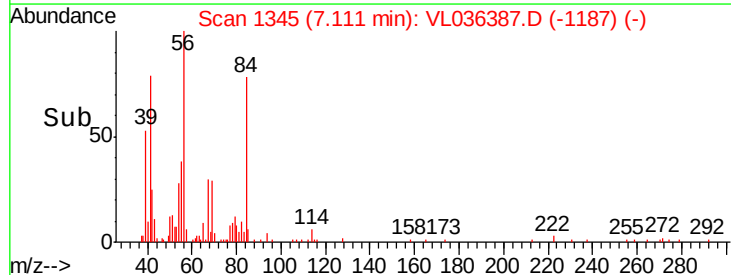
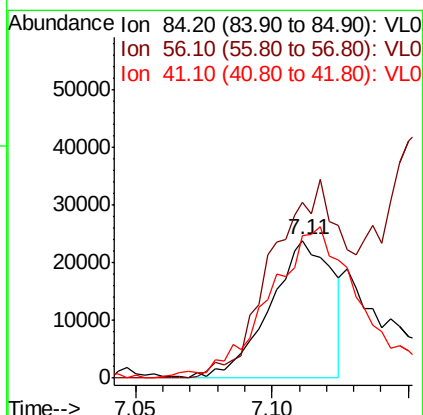
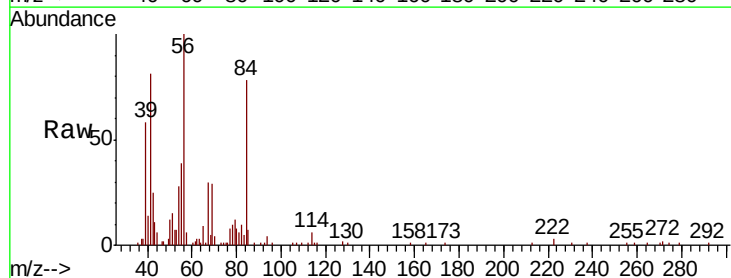
Instrument :
MSVOA_L
ClientSampleId :

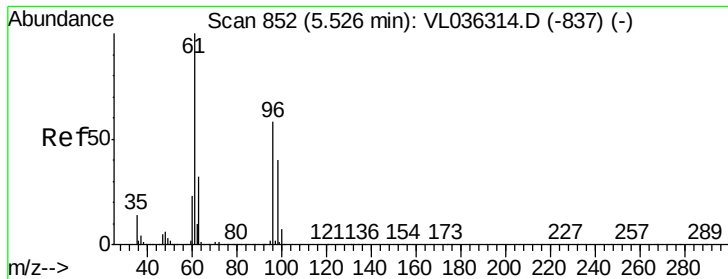
Tot Ion: 83 Resp: 144872
Ion Ratio Lower Upper
83 100
85 59.2 51.4 77.2



#30
Cyclohexane
Concen: 0.299 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 84 Resp: 37411
Ion Ratio Lower Upper
84 100
56 179.5 120.2 180.4
41 166.6 79.7 119.5#



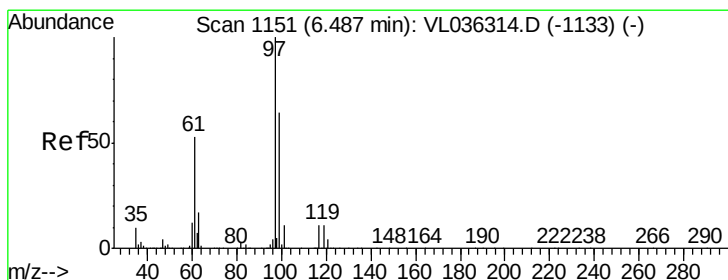
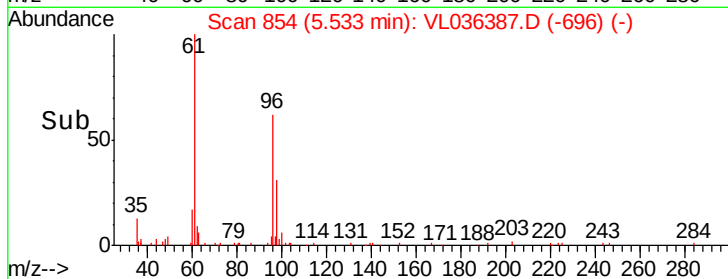
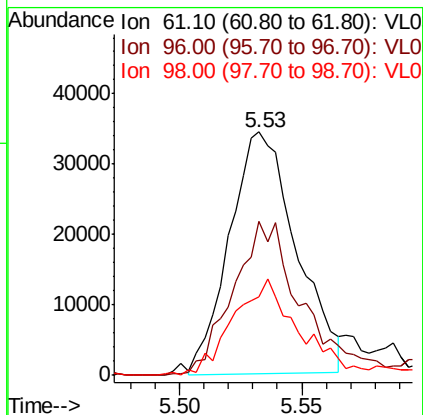
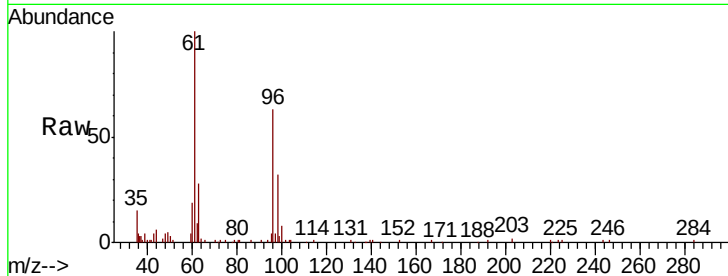


#31

cis-1,2-Dichloroethene
 Concen: 0.440 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :

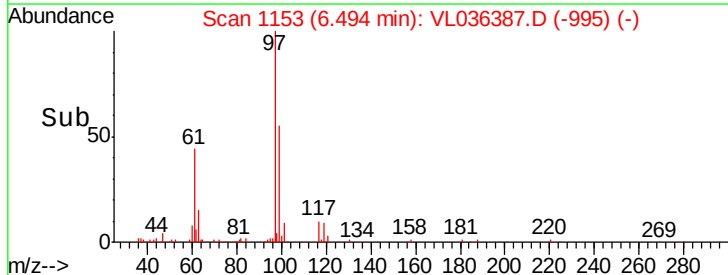
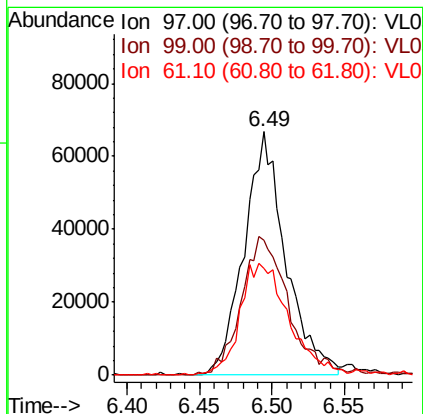
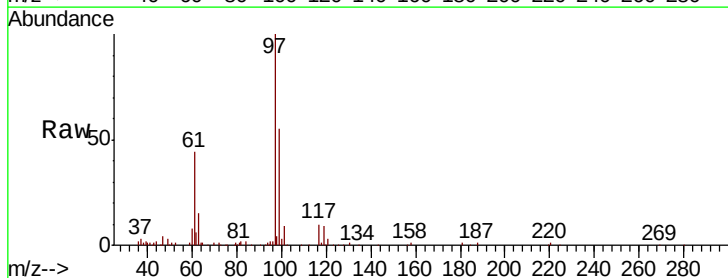
Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	46.0	69.0
98	30.7	31.9	47.9#

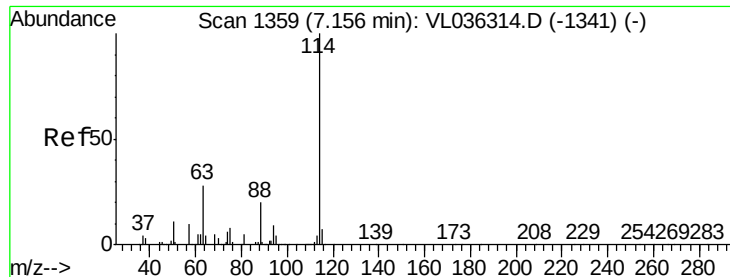


#32

1,1,1-Trichloroethane
 Concen: 0.590 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.4
61	55.3	43.3	64.9

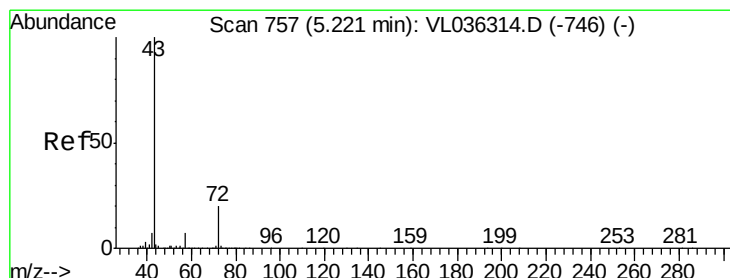
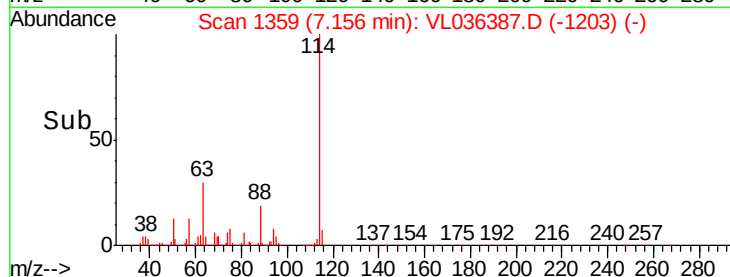
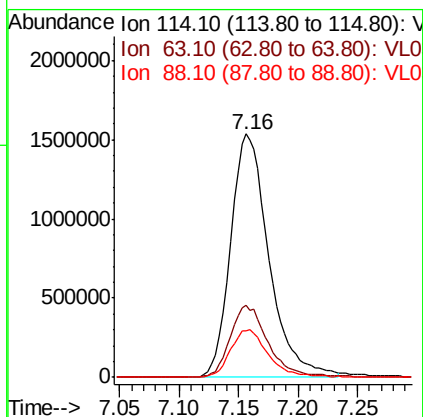
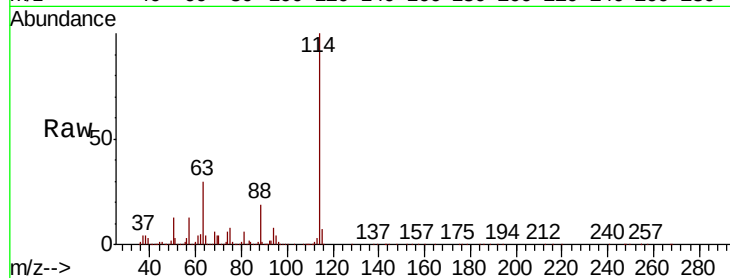




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

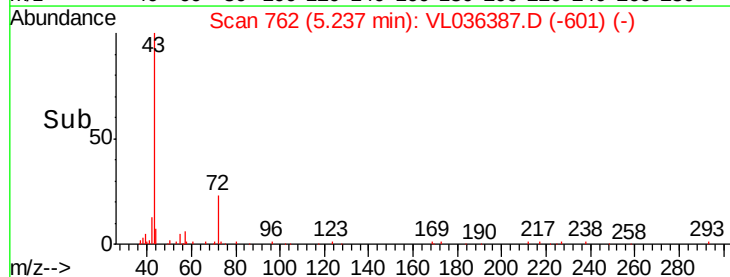
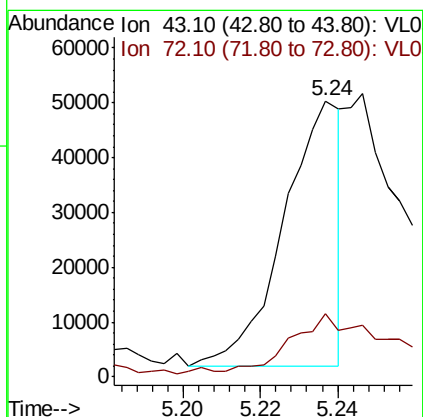
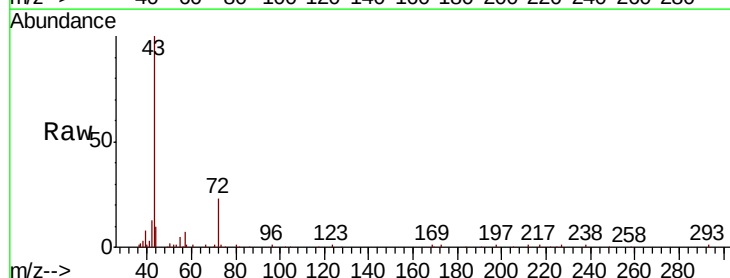
Instrument :
 MSVOA_L
 ClientSampleId :

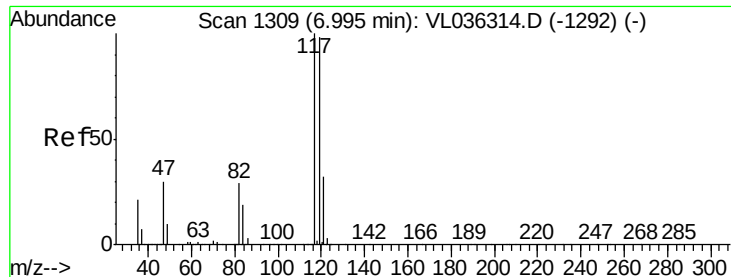
Tot Ion:114 Resp: 3419415
 Ion Ratio Lower Upper
 114 100
 63 29.7 24.1 36.1
 88 19.8 16.0 24.0



#34
 2-Butanone
 Concen: 0.218 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion: 43 Resp: 49540
 Ion Ratio Lower Upper
 43 100
 72 53.6 16.7 25.1#





#35

Carbon Tetrachloride

Concen: 0.563 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

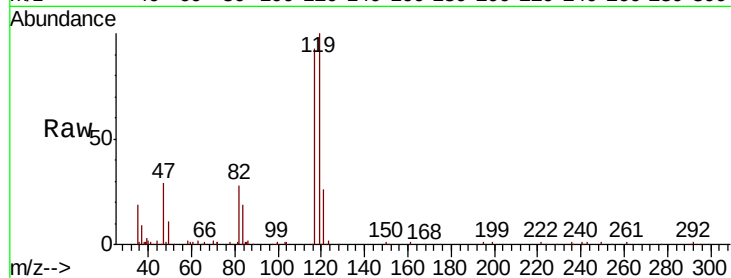
Tot Ion:117 Resp: 129026

Ion Ratio Lower Upper

117 100

119 106.5 78.1 117.1

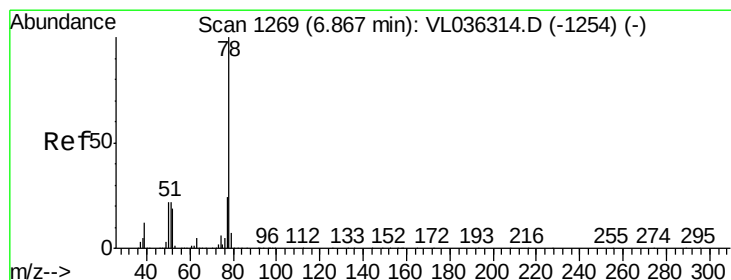
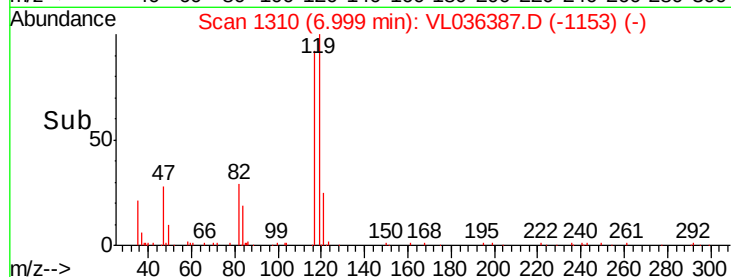
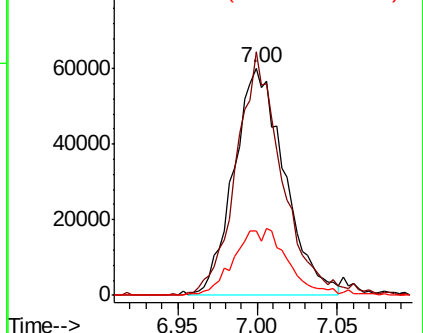
121 27.6 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.509 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

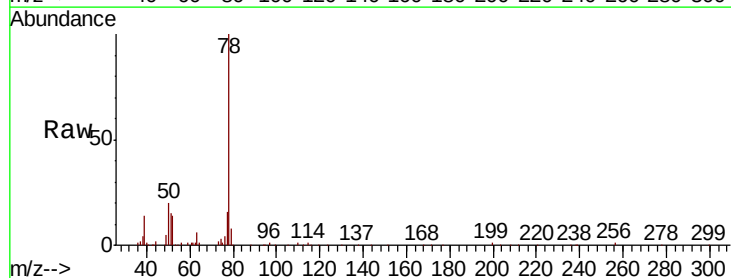
Tgt Ion: 78 Resp: 147738

Ion Ratio Lower Upper

78 100

77 15.7 18.9 28.3#

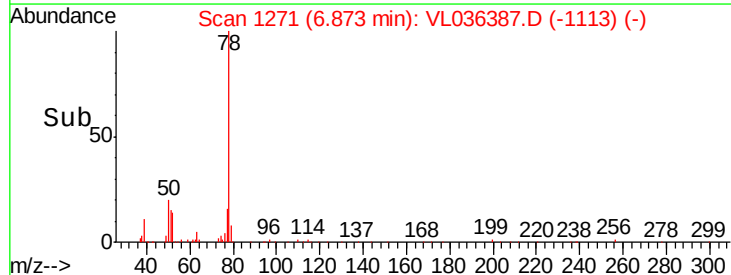
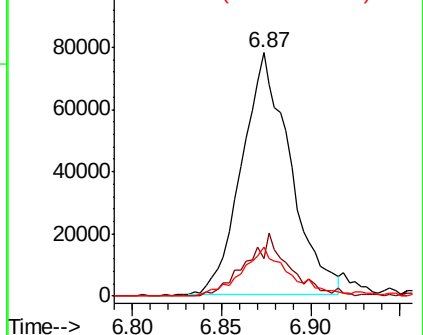
50 20.4 17.3 25.9

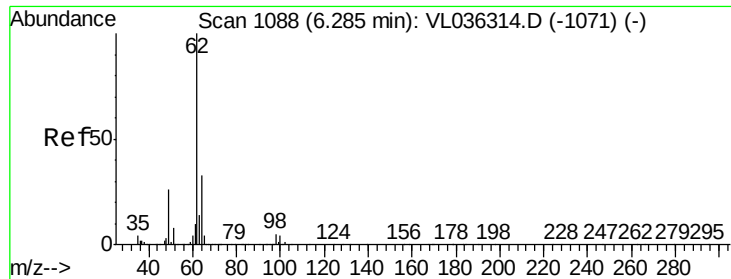


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

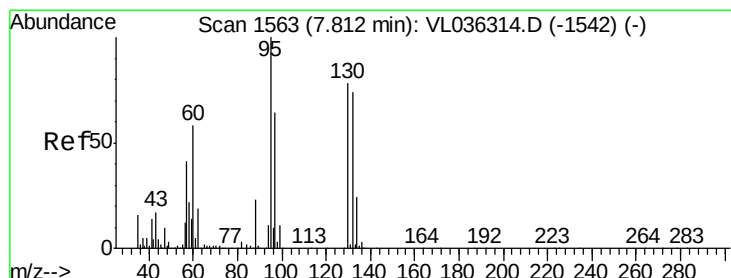
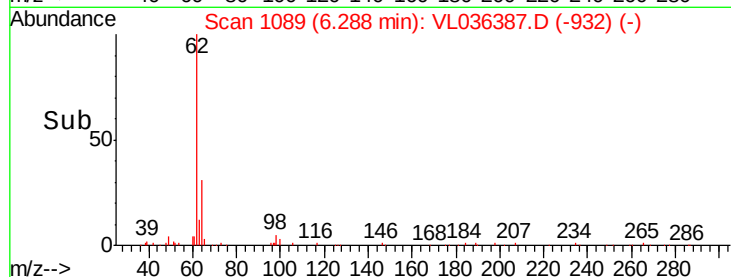
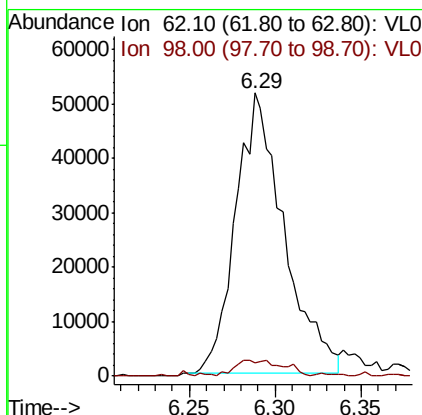
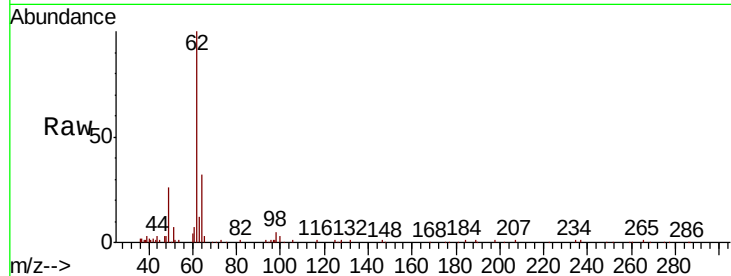




#37
 1,2-Dichloroethane
 Concen: 0.562 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

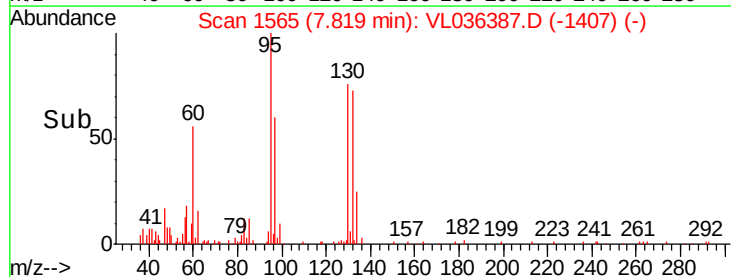
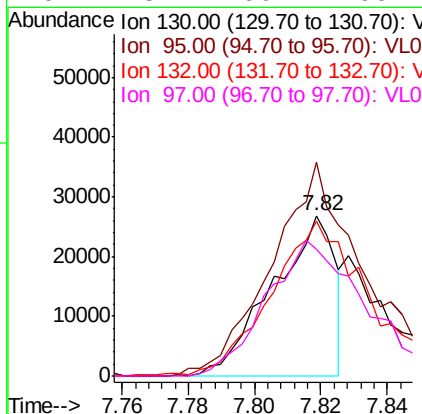
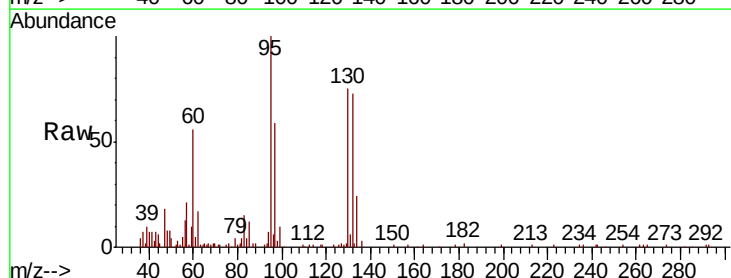
Instrument :
 MSVOA_L
 ClientSampleId :

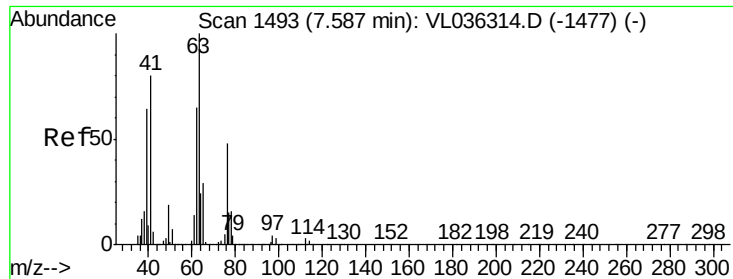
Tot Ion: 62 Resp: 100933
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.5 6.7



#38
 Trichloroethene
 Concen: 0.338 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion: 130 Resp: 35131
 Ion Ratio Lower Upper
 130 100
 95 128.0 102.8 154.2
 132 96.1 75.7 113.5
 97 78.4 66.2 99.2

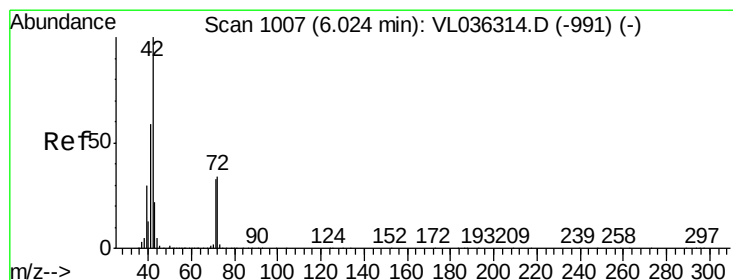
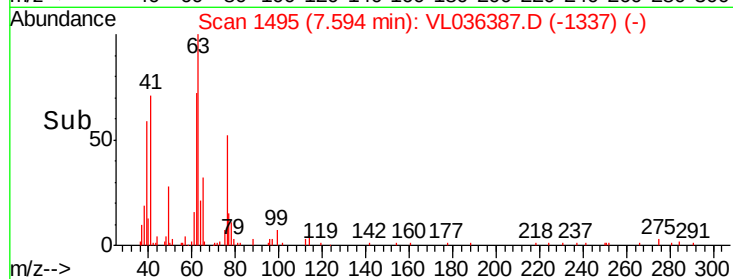
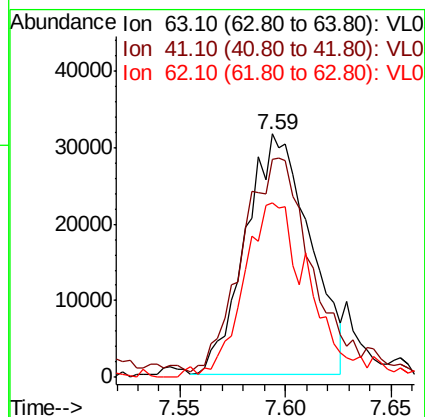
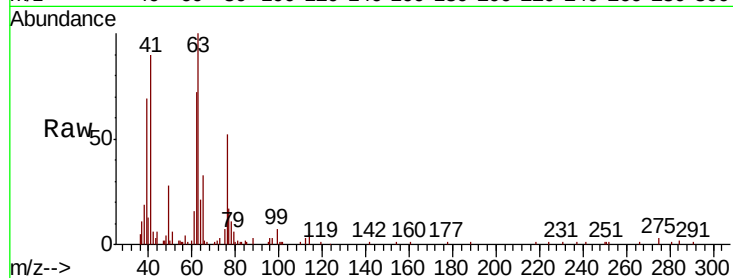




#39
 1,2-Dichloropropane
 Concen: 0.563 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

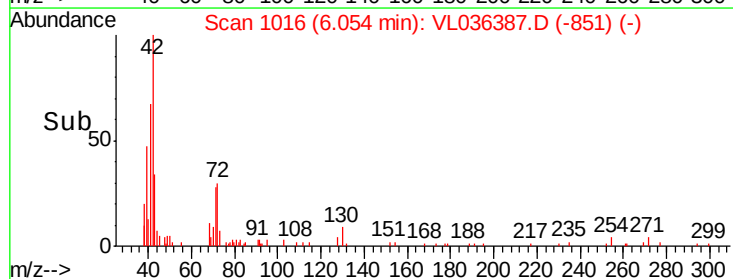
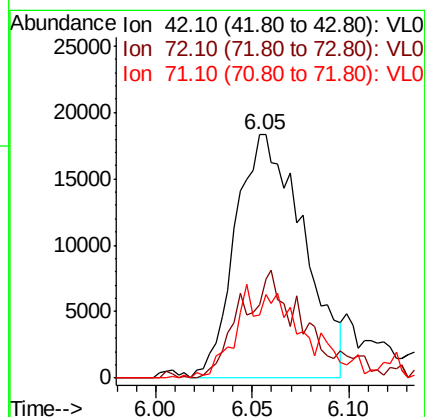
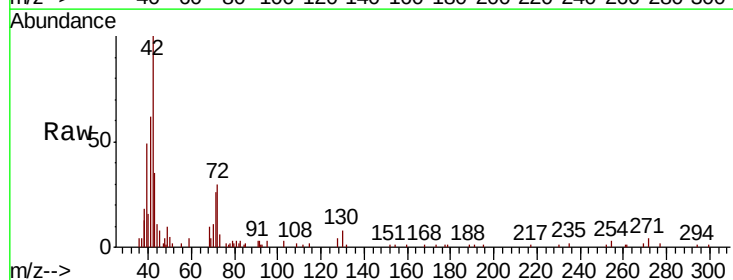
Instrument :
 MSVOA_L
 ClientSampleId :

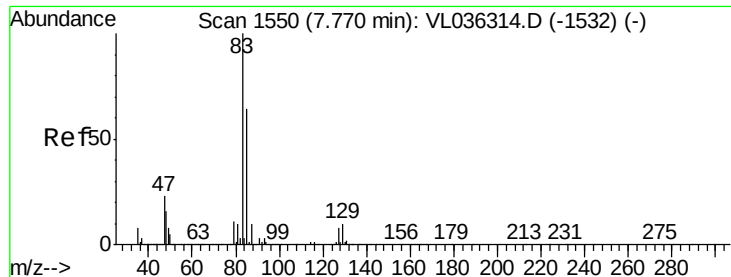
Tot Ion	Ratio	Lower	Upper
63	100		
41	88.5	63.8	95.6
62	68.5	52.3	78.5



#41
 Tetrahydrofuran
 Concen: 0.352 ppbv
 RT: 6.05 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.5	29.3	43.9
71	39.1	27.8	41.8





#42

Bromodichloromethane

Concen: 0.565 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :

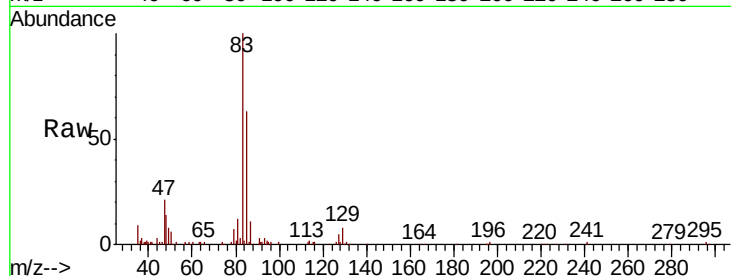
Tot Ion: 83 Resp: 135782

Ion Ratio Lower Upper

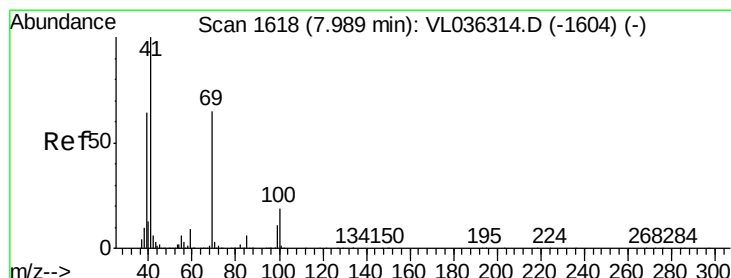
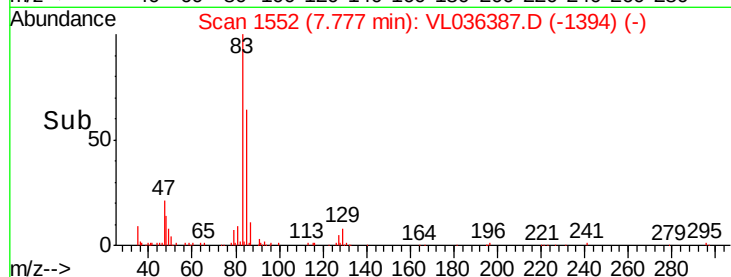
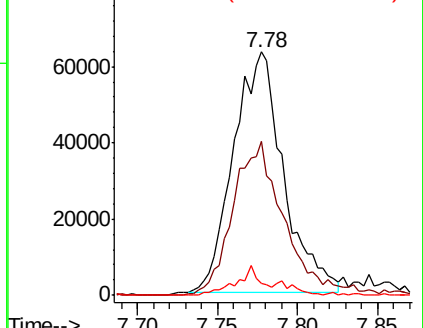
83 100

85 63.4 51.1 76.7

127 4.9 6.3 9.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.153 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

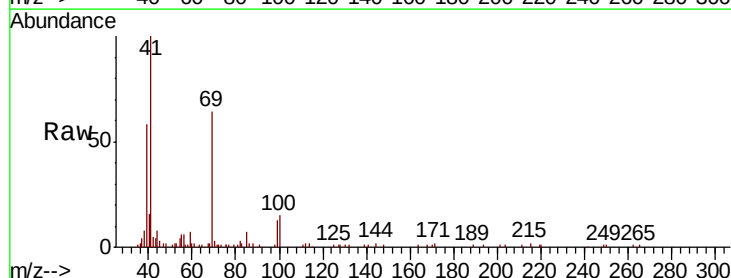
Tgt Ion: 69 Resp: 18749

Ion Ratio Lower Upper

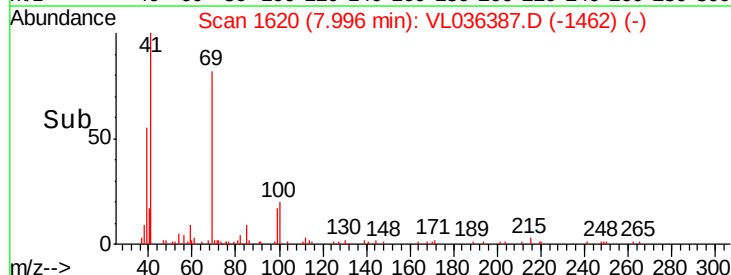
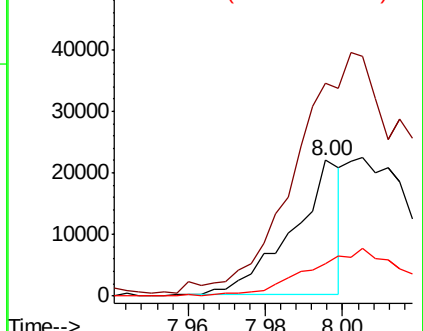
69 100

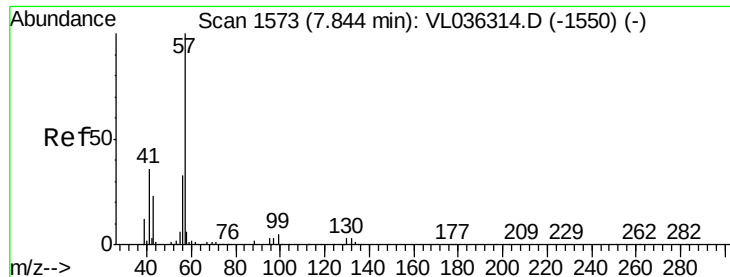
41 0.0 126.5 189.7#

100 0.0 23.1 34.7#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.552 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

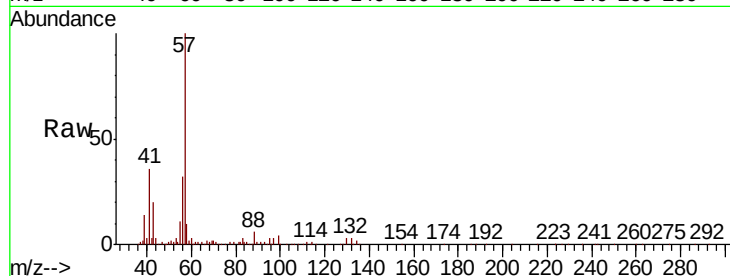
Tot Ion: 57 Resp: 291610

Ion Ratio Lower Upper

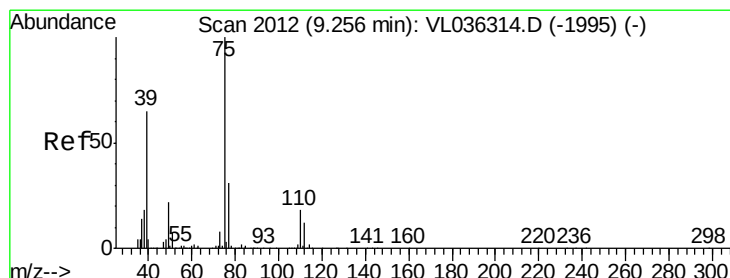
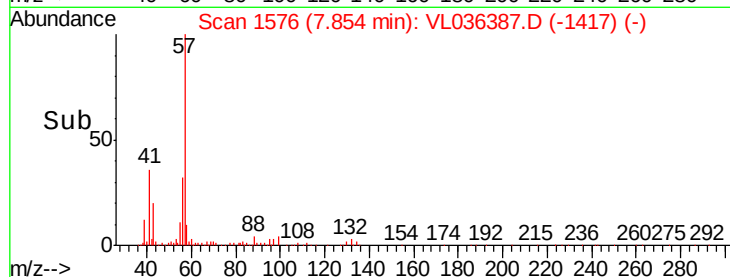
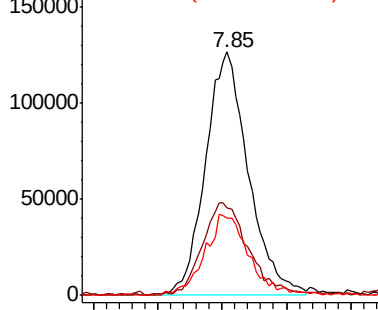
57 100

41 41.7 28.8 43.2

56 34.8 25.8 38.6



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



#45

t-1,3-Dichloropropene

Concen: 0.238 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL036387.D

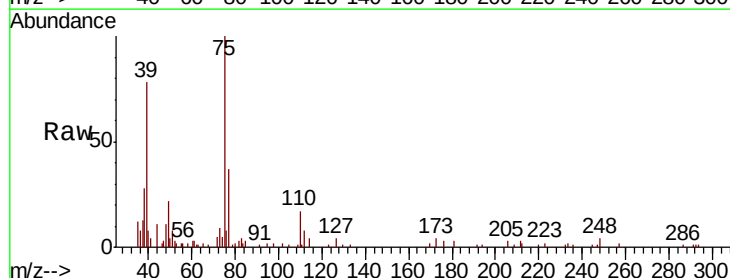
Acq: 25 Feb 2021 18:53

Tgt Ion: 75 Resp: 28119

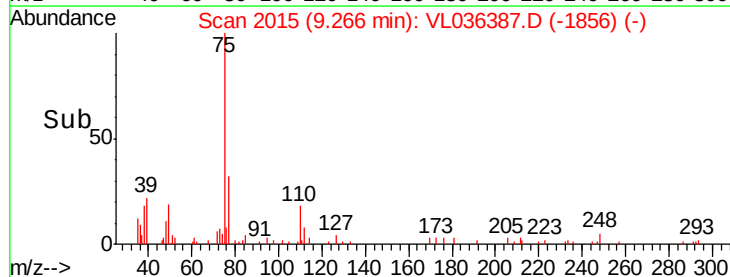
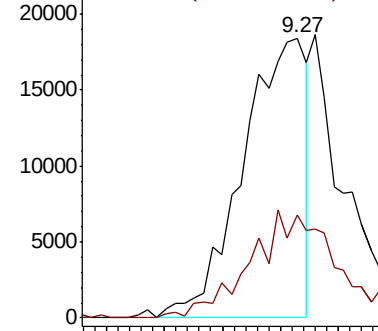
Ion Ratio Lower Upper

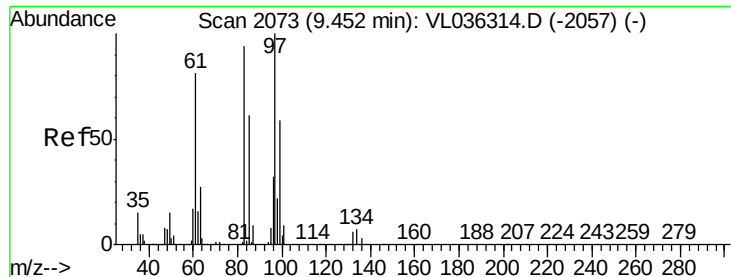
75 100

77 36.6 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

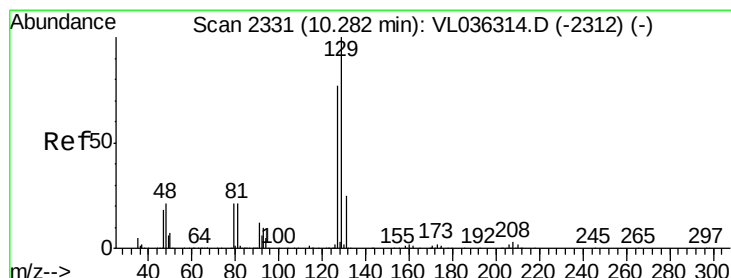
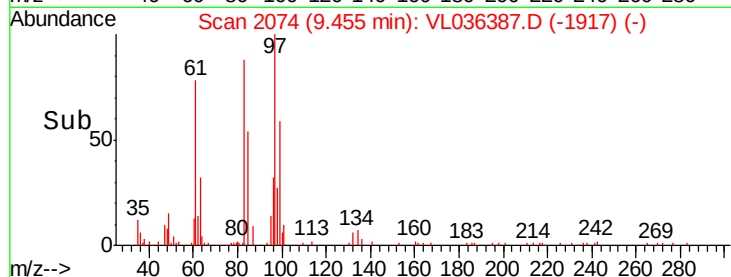
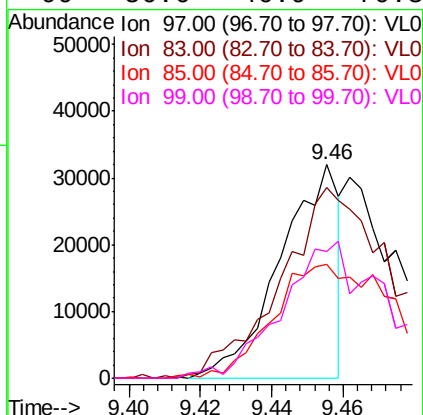
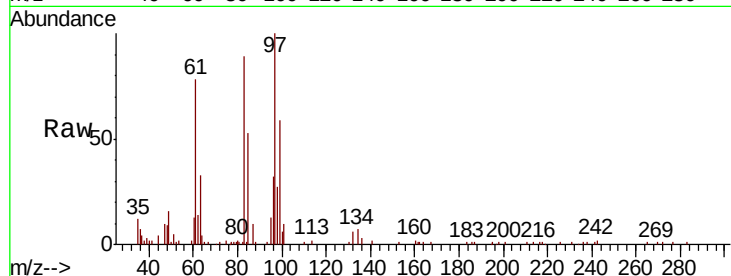




#47
 1,1,2-Trichloroethane
 Concen: 0.303 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

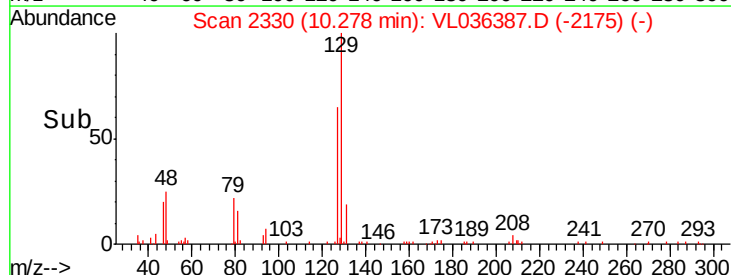
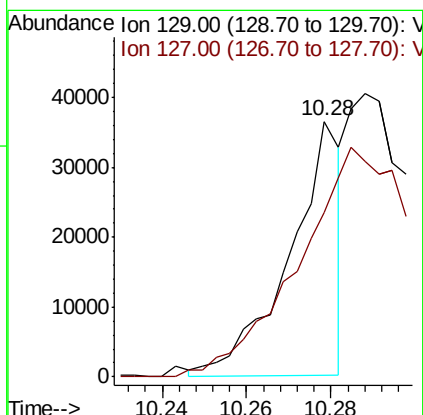
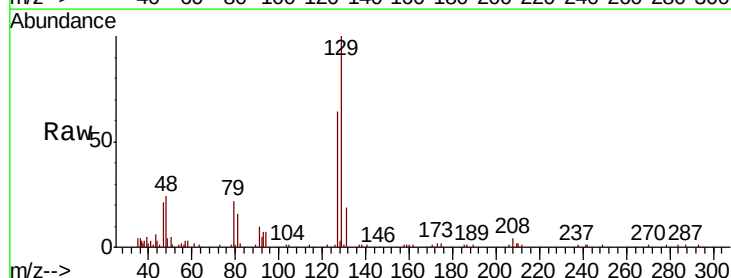
Instrument :
 MSVOA_L
 ClientSampled :

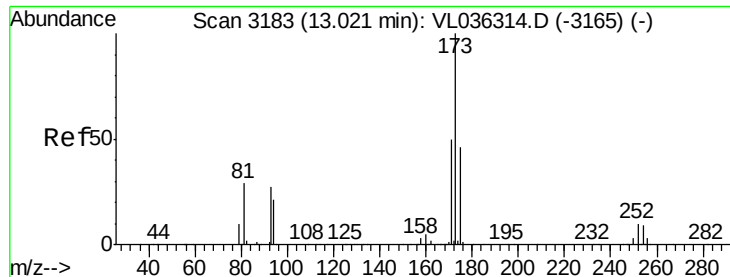
Tot Ion: 97 Resp: 36573
 Ion Ratio Lower Upper
 97 100
 83 87.7 75.4 113.0
 85 51.0 48.9 73.3
 99 56.6 46.9 70.3



#48
 Dibromochloromethane
 Concen: 0.170 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion:129 Resp: 30718
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#





#49

Bromoform

Concen: 0.361 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

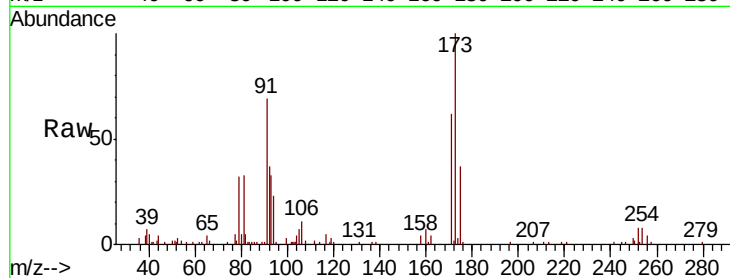
Tot Ion:173 Resp: 52524

Ion Ratio Lower Upper

173 100

175 65.7 40.2 60.2#

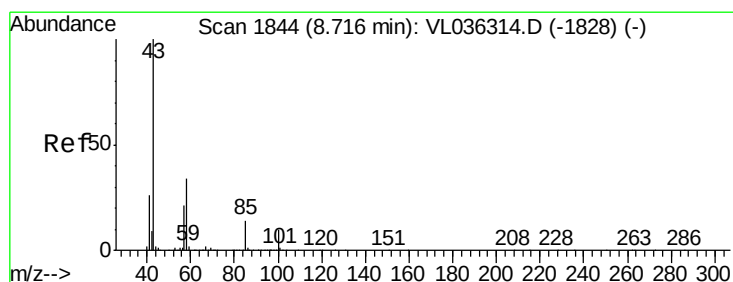
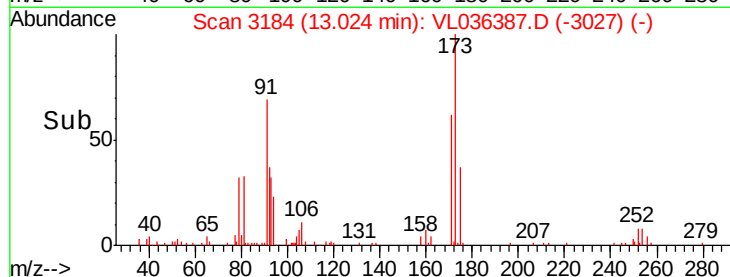
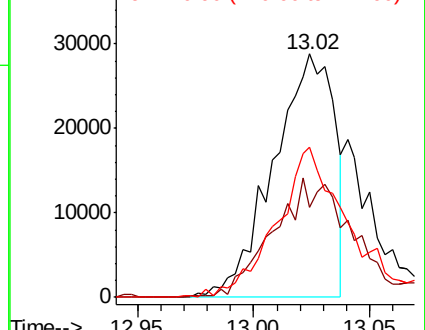
171 74.5 43.4 65.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.371 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.03 min

Lab File: VL036387.D

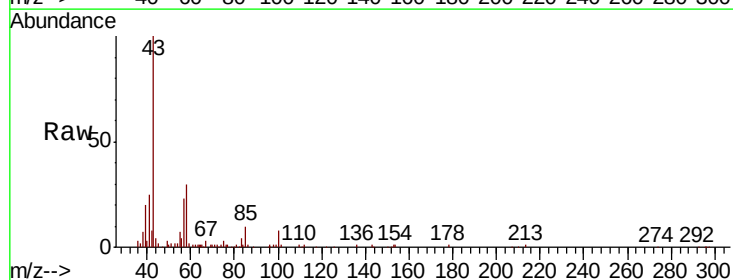
Acq: 25 Feb 2021 18:53

Tgt Ion: 43 Resp: 125118

Ion Ratio Lower Upper

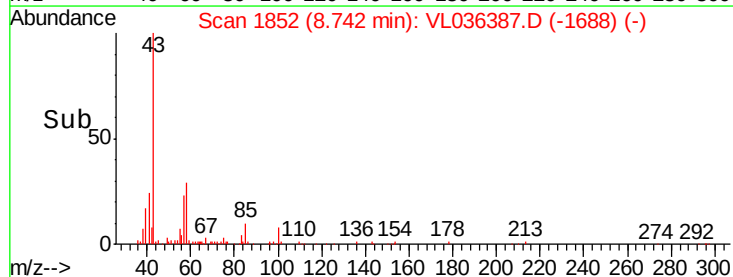
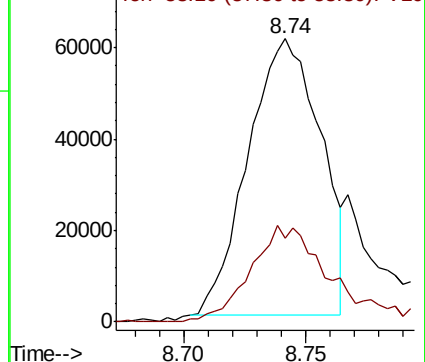
43 100

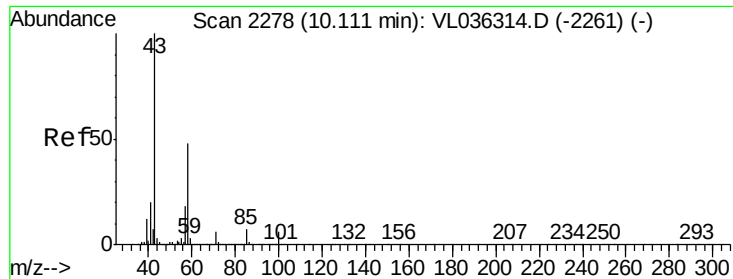
58 44.0 27.8 41.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

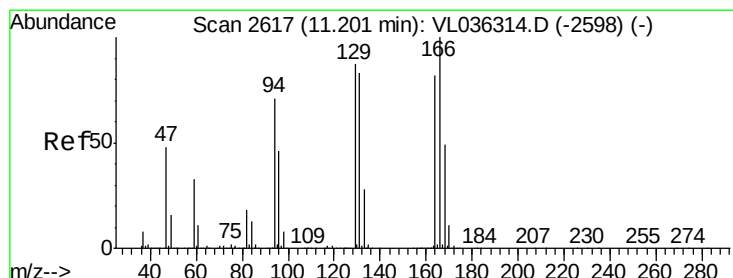
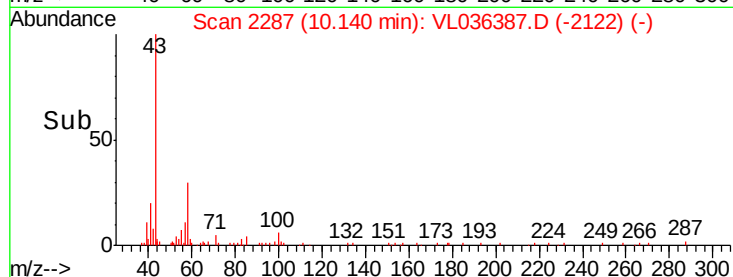
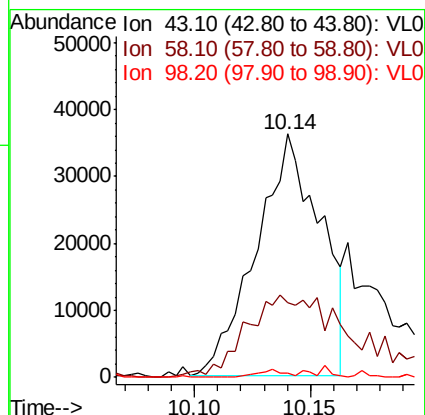
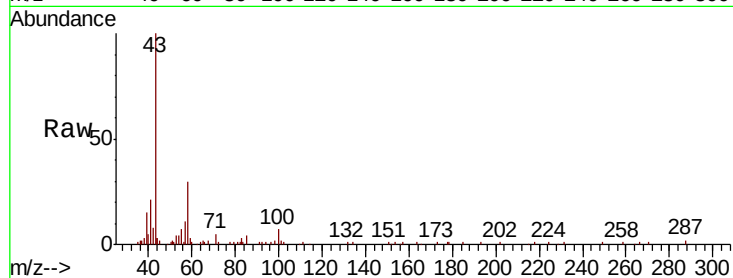




#51
2-Hexanone
Concen: 0.271 ppbv
RT: 10.14 min Scan# 2278
Delta R.T. 0.03 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

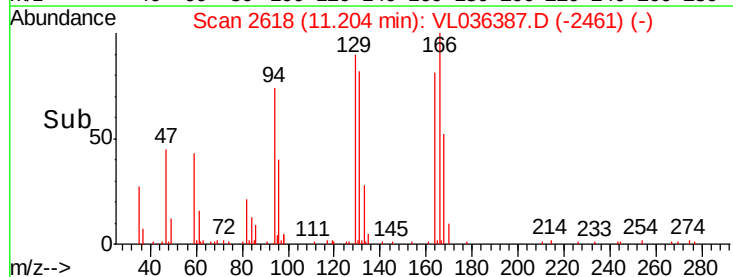
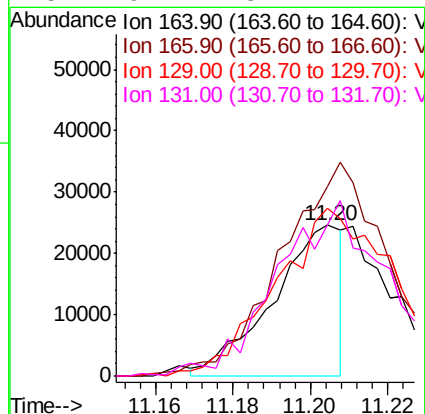
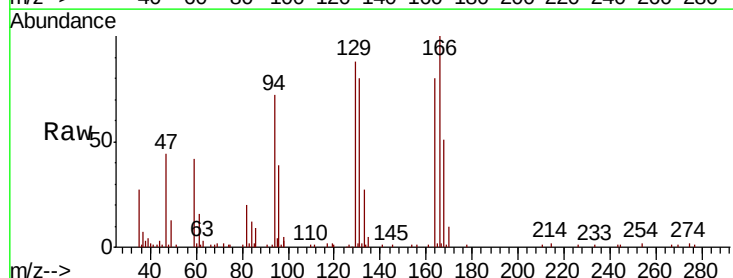
Instrument :
MSVOA_L
ClientSampleId :

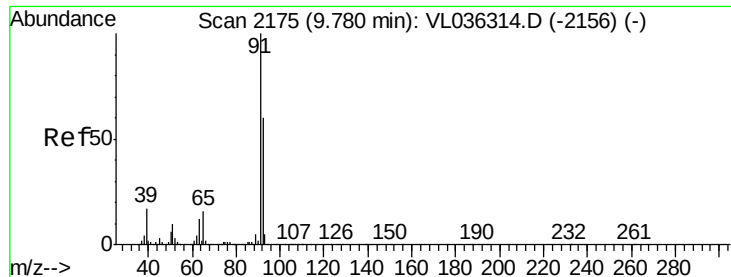
Tot Ion: 43 Resp: 69416
Ion Ratio Lower Upper
43 100
58 64.2 38.7 58.1#
98 2.7 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.287 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 164 Resp: 30474
Ion Ratio Lower Upper
164 100
166 124.4 97.8 146.8
129 114.1 84.9 127.3
131 97.1 81.4 122.2





#53

Toluene

Concen: 0.427 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

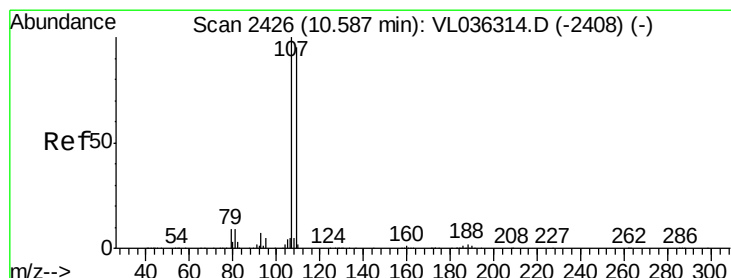
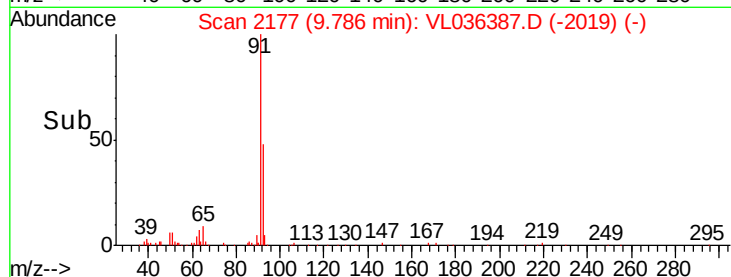
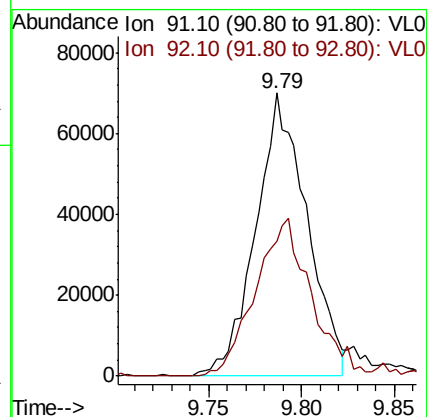
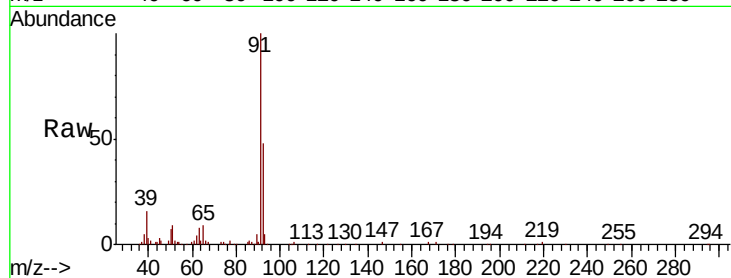
ClientSampleId :

Tot Ion: 91 Resp: 134404

Ion Ratio Lower Upper

91 100

92 63.3 48.6 72.8



#54

1,2-Dibromoethane

Concen: 0.214 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL036387.D

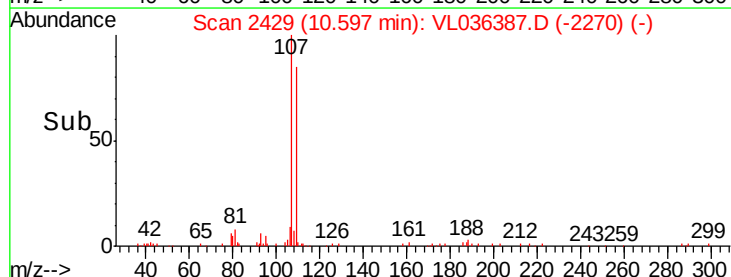
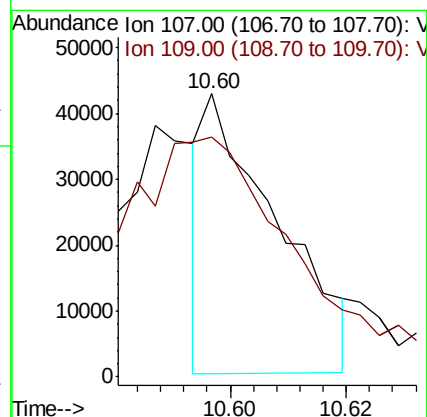
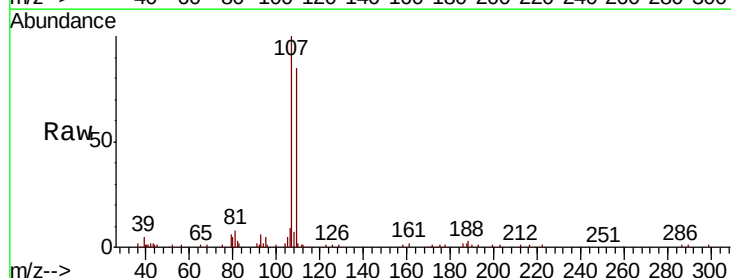
Acq: 25 Feb 2021 18:53

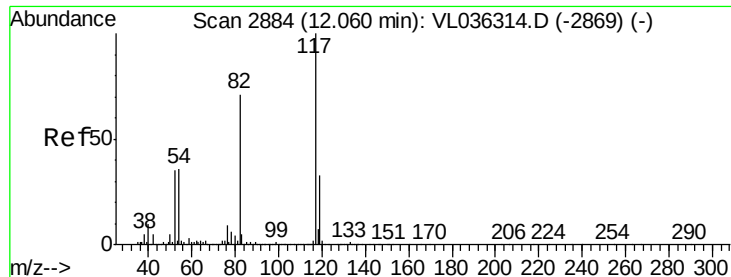
Tgt Ion: 107 Resp: 37430

Ion Ratio Lower Upper

107 100

109 83.9 76.0 114.0

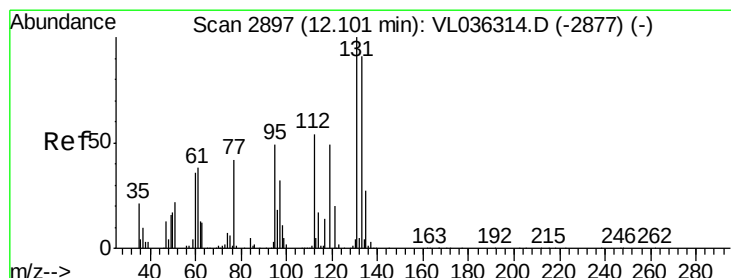
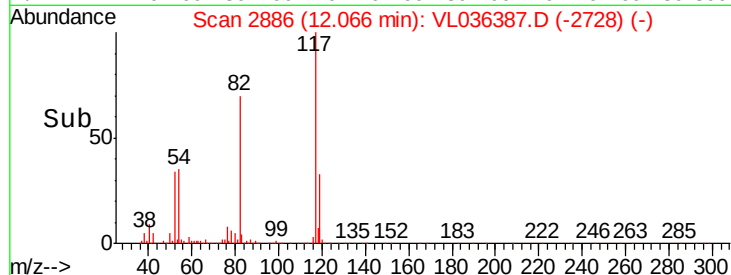
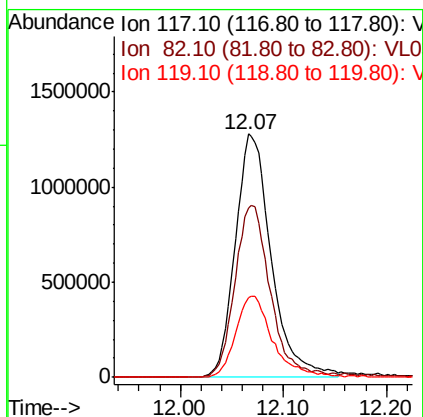
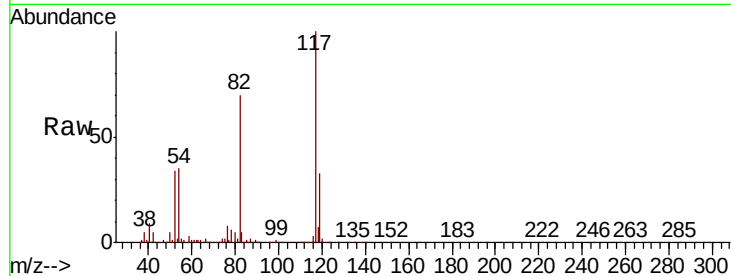




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

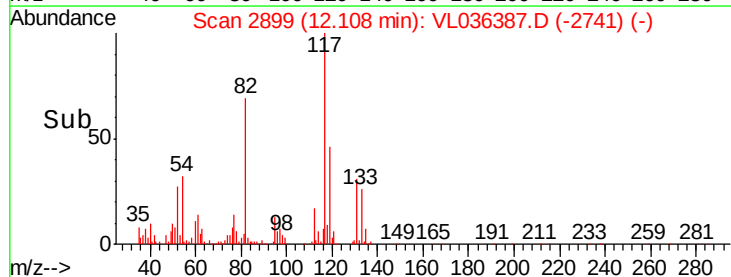
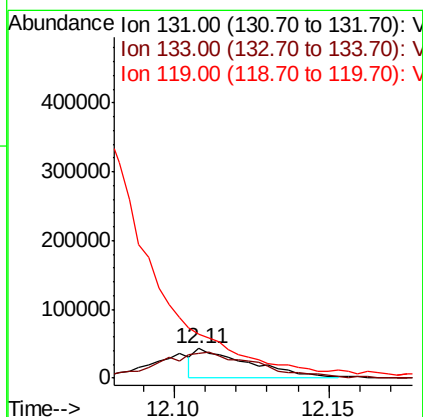
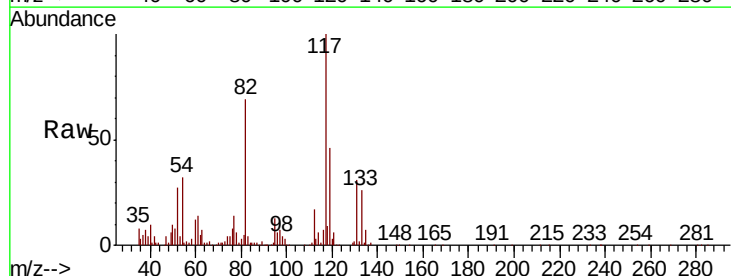
Instrument :
MSVOA_L
ClientSampleId :

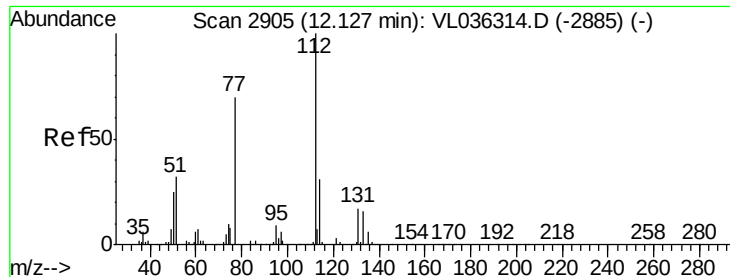
Tot Ion:117 Resp: 3113668
Ion Ratio Lower Upper
117 100
82 72.0 59.1 88.7
119 35.1 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.359 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion:131 Resp: 51454
Ion Ratio Lower Upper
131 100
133 169.0 76.0 114.0#
119 0.0 115.1 172.7#

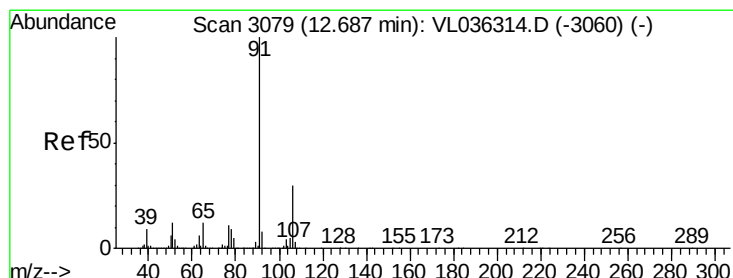
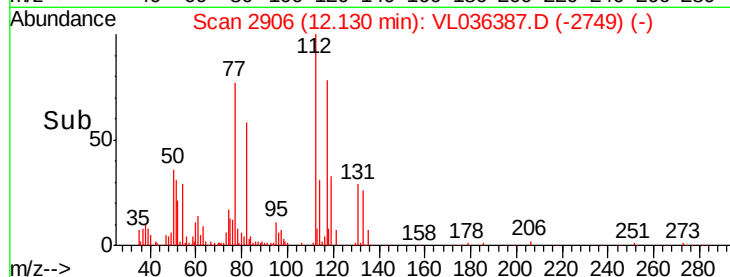
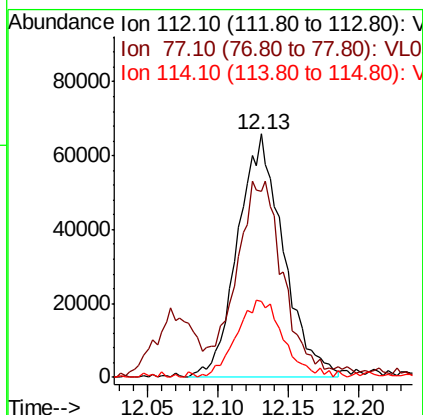
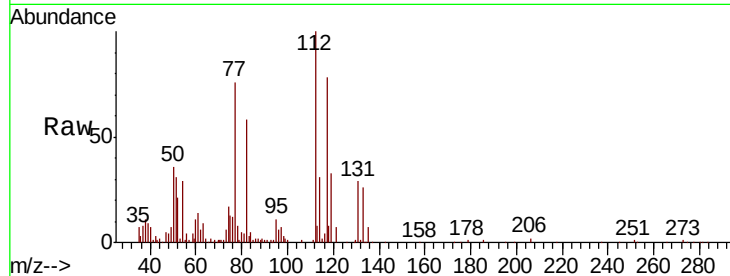




#57
Chlorobenzene
Concen: 0.620 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

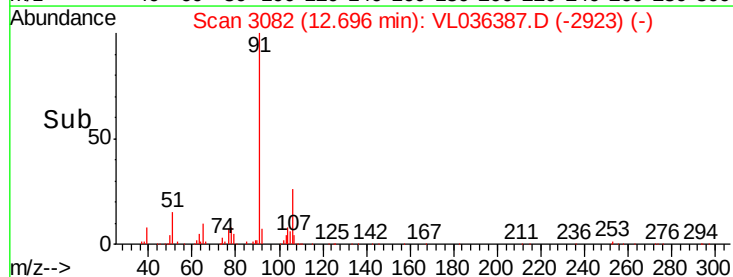
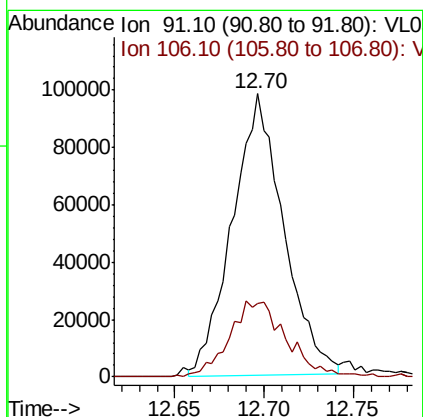
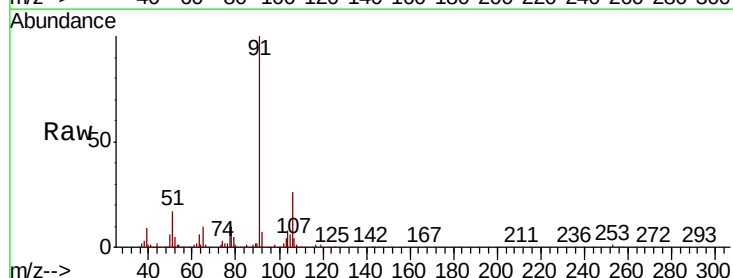
Instrument :
MSVOA_L
ClientSampled :

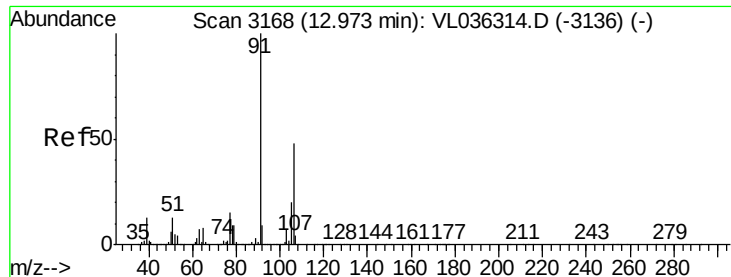
Tot Ion: 112 Resp: 149261
Ion Ratio Lower Upper
112 100
77 72.0 56.1 84.1
114 28.9 28.3 34.5



#58
Ethyl Benzene
Concen: 0.461 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 91 Resp: 196461
Ion Ratio Lower Upper
91 100
106 25.6 23.8 35.6

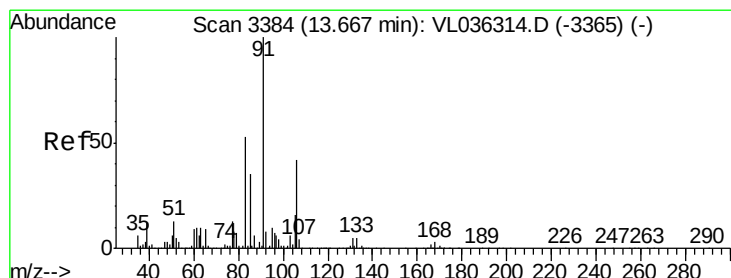
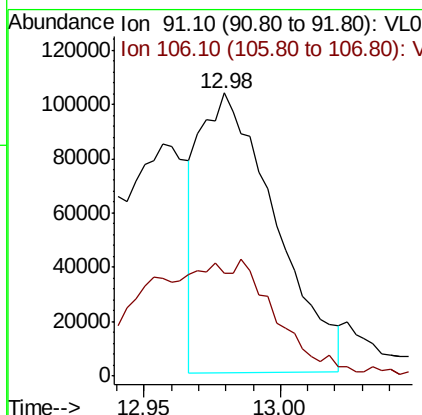
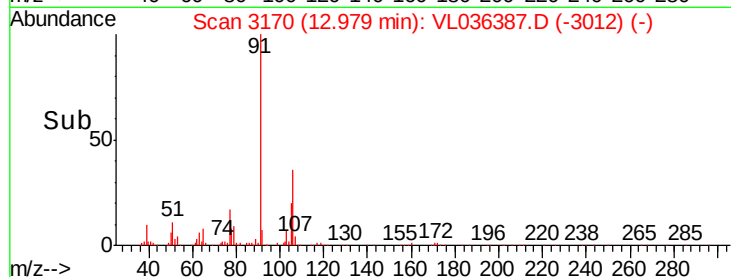
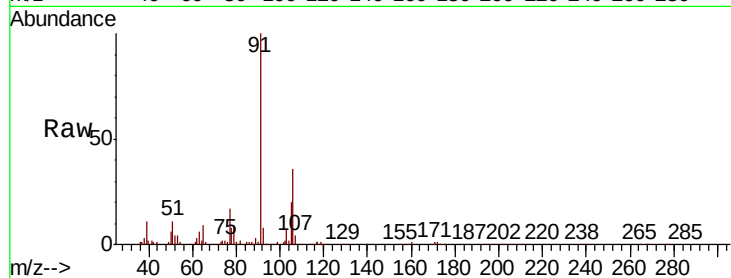




#59
m/p-Xylene
Concen: 0.532 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

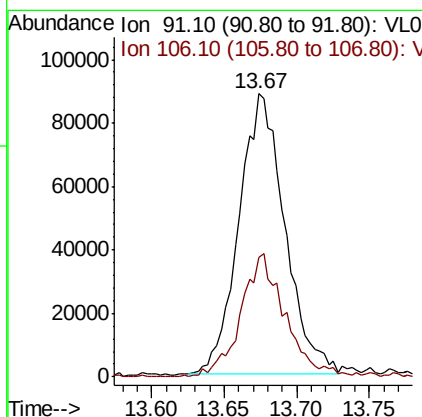
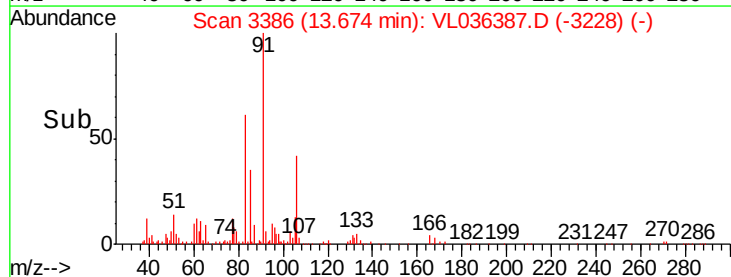
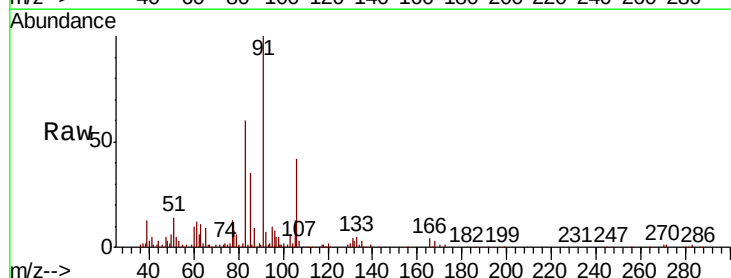
Instrument :
MSVOA_L
ClientSampled :

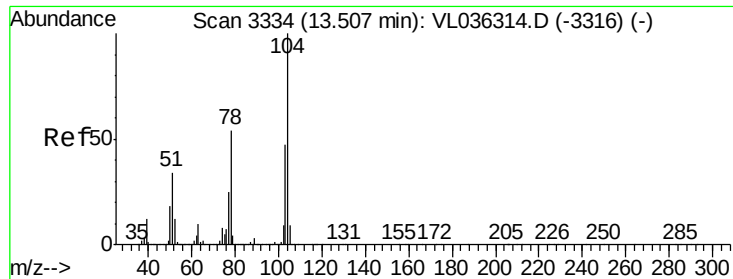
Tot Ion: 91 Resp: 199104
Ion Ratio Lower Upper
91 100
106 78.6 34.2 51.2#



#60
o-Xylene
Concen: 0.542 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 91 Resp: 194087
Ion Ratio Lower Upper
91 100
106 43.5 22.0 66.0

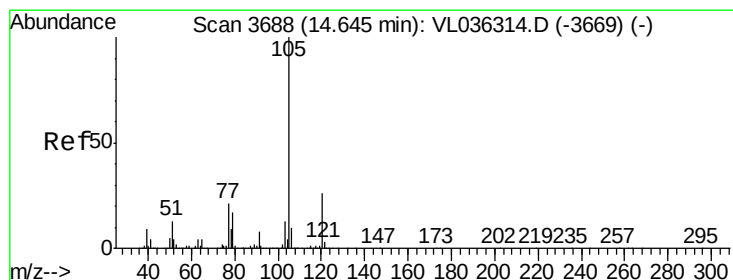
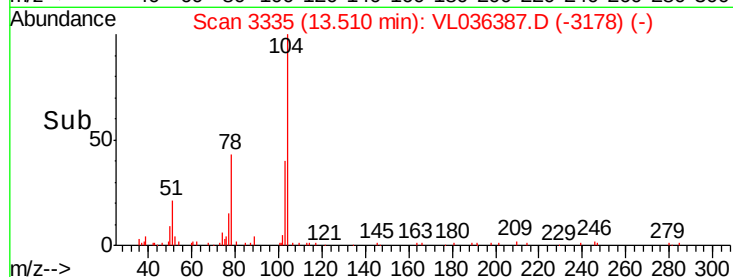
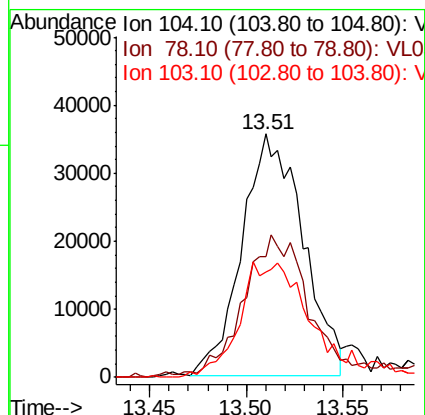
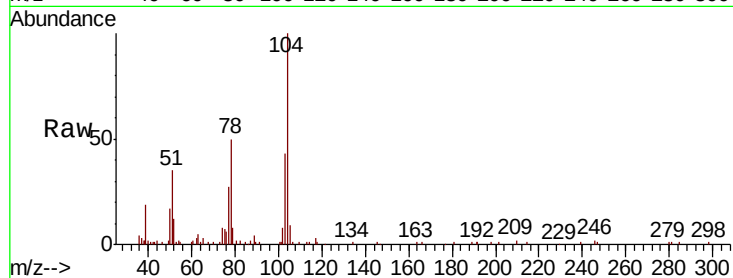




#61
Stvrene
Concen: 0.352 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

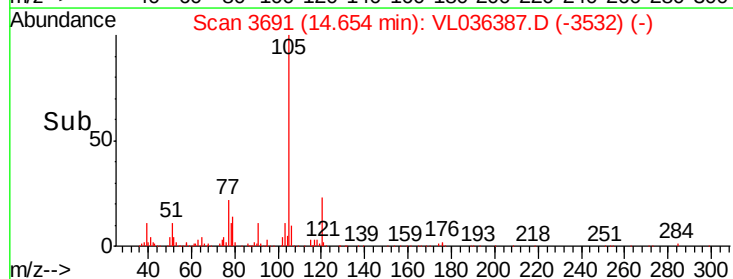
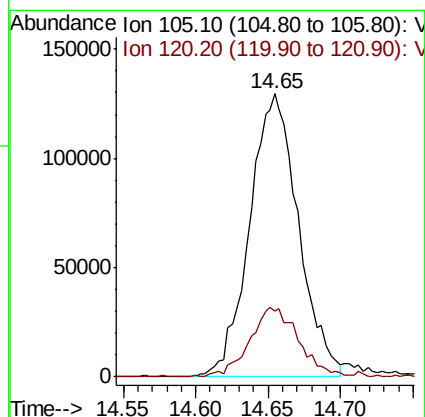
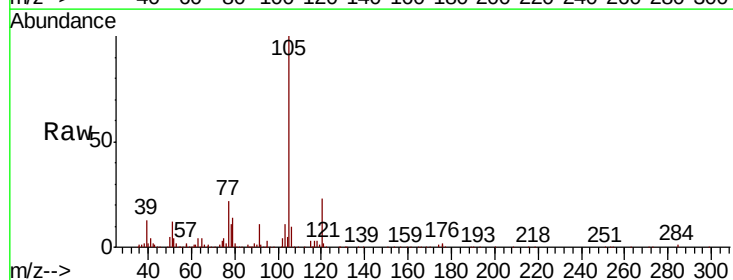
Instrument :
MSVOA_L
ClientSampleId :

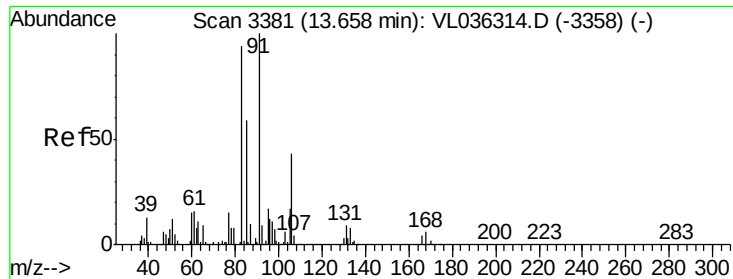
Tot Ion:104 Resp: 78202
Ion Ratio Lower Upper
104 100
78 67.9 46.2 69.2
103 56.6 38.3 57.5



#62
Isopropylbenzene
Concen: 0.564 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion:105 Resp: 302950
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.595 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

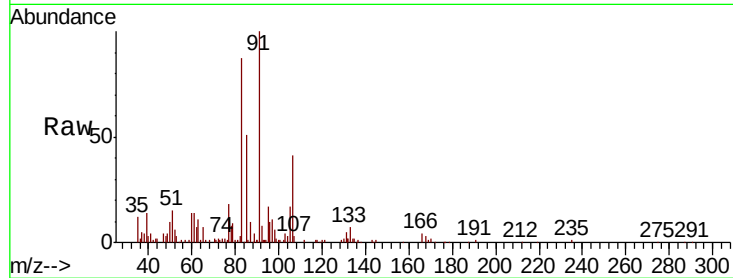
Tot Ion: 83 Resp: 168010

Ion Ratio Lower Upper

83 100

131 8.5 4.7 14.0

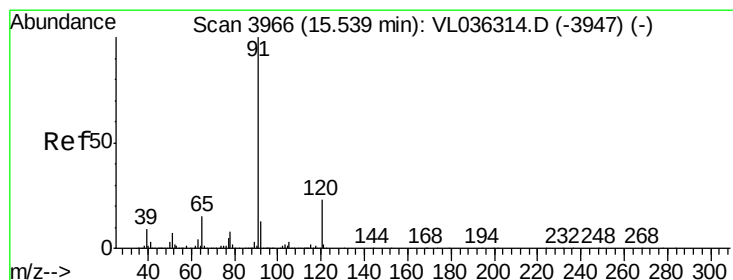
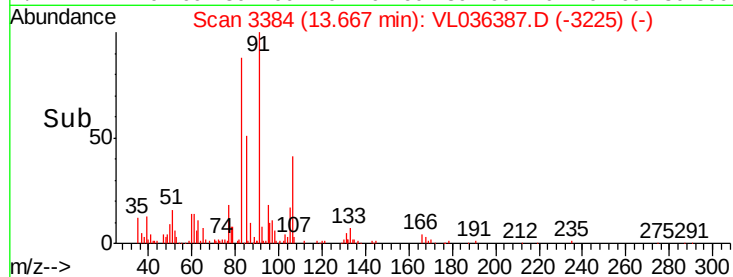
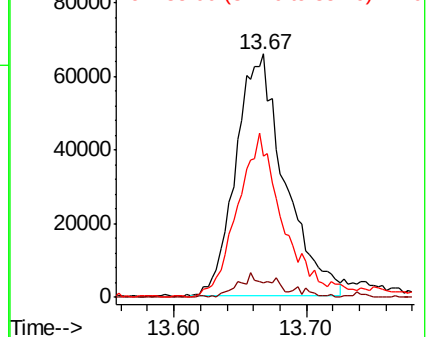
85 69.5 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.528 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL036387.D

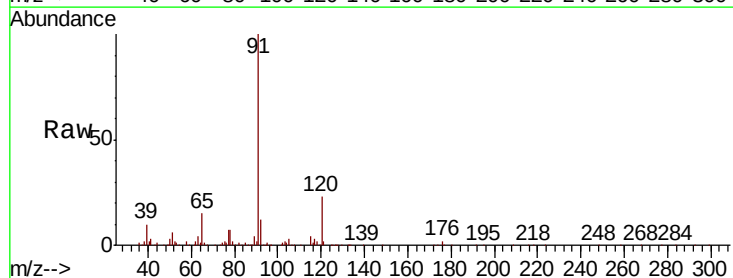
Acq: 25 Feb 2021 18:53

Tgt Ion:120 Resp: 69758

Ion Ratio Lower Upper

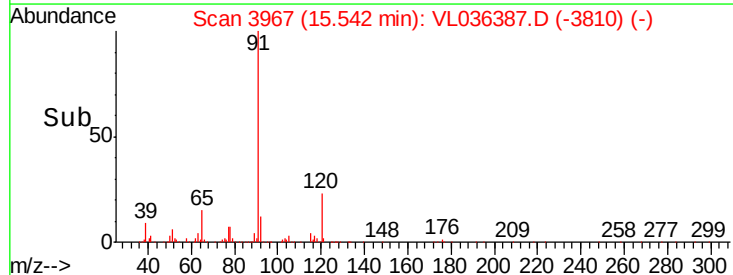
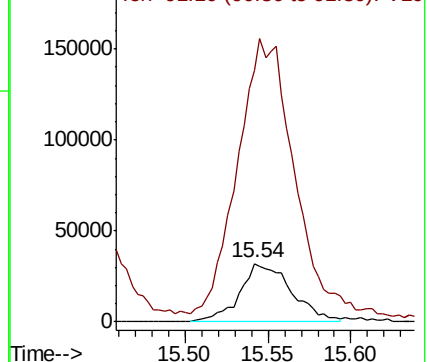
120 100

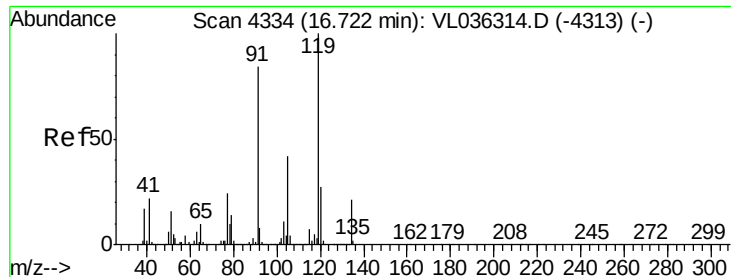
91 557.0 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.282 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

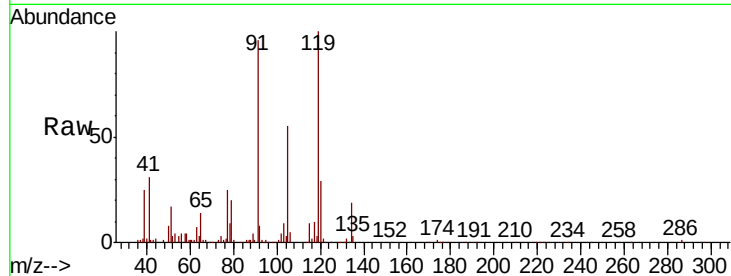
Tot Ion: 119 Resp: 129328

Ion Ratio Lower Upper

119 100

91 0.0 70.5 105.7#

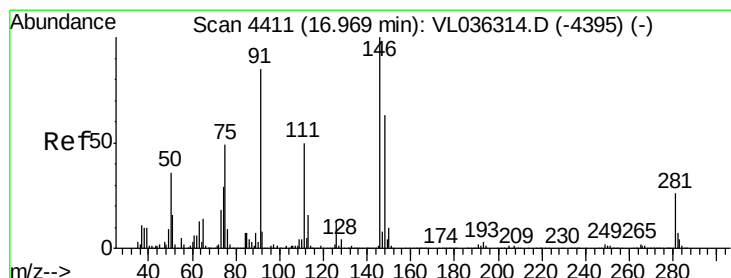
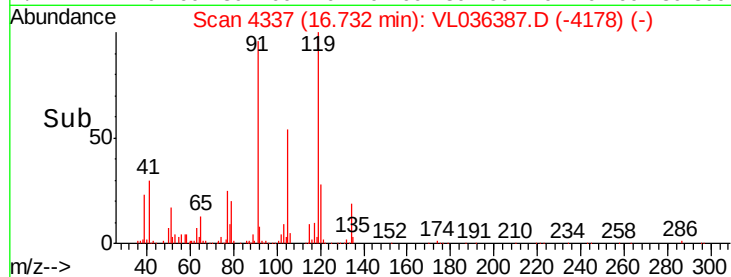
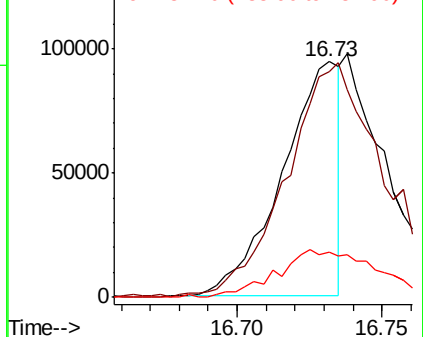
134 37.9 15.8 23.8#



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



#66

Benzyl Chloride

Concen: 0.184 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

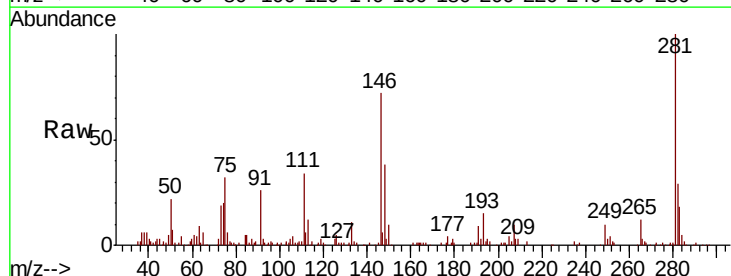
Tgt Ion: 91 Resp: 22967

Ion Ratio Lower Upper

91 100

126 37.8 12.9 19.3#

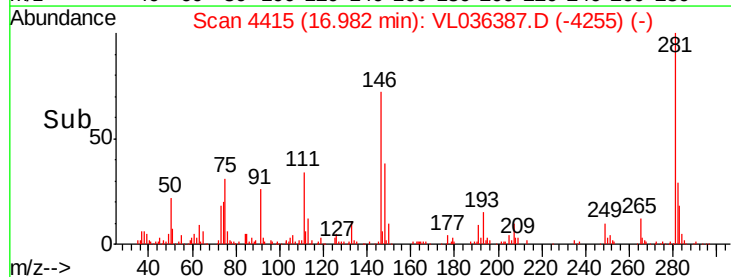
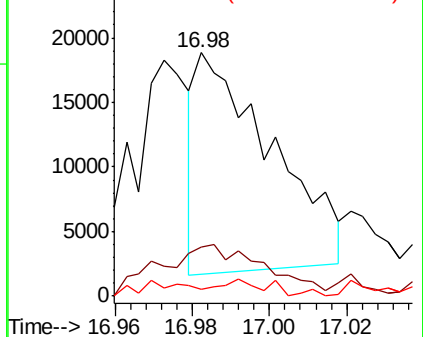
128 10.6 4.2 6.2#

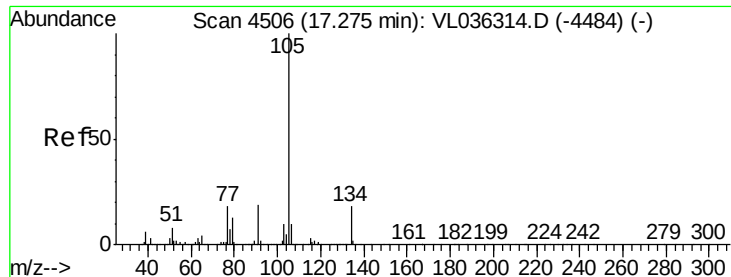


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.553 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

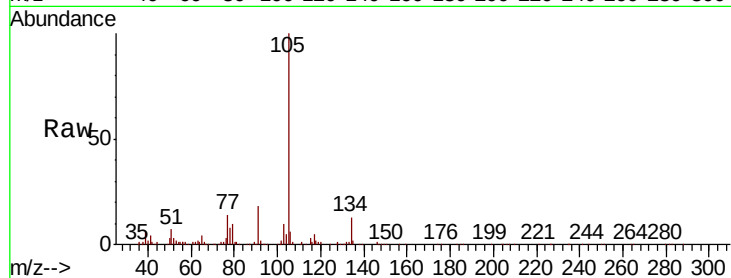
ClientSampleId :

Tot Ion: 105 Resp: 366453

Ion Ratio Lower Upper

105 100

134 17.9 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

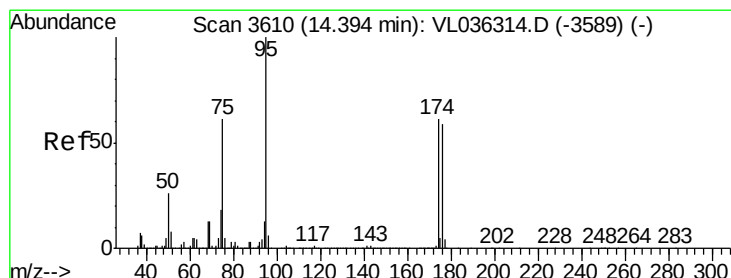
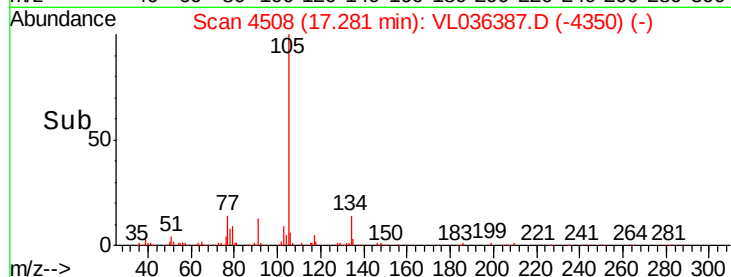
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.103 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

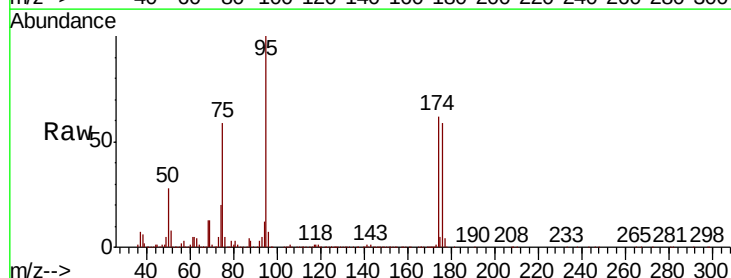
Tgt Ion: 95 Resp: 2588120

Ion Ratio Lower Upper

95 100

174 62.7 49.8 74.6

175 4.7 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

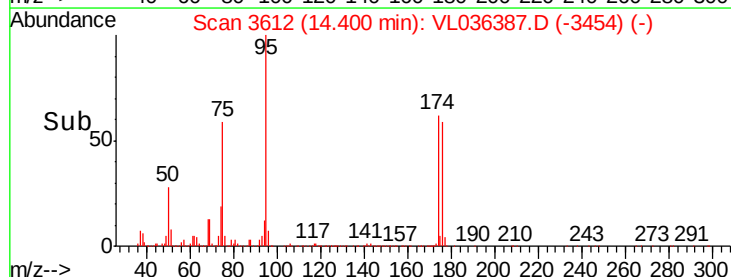
14.40

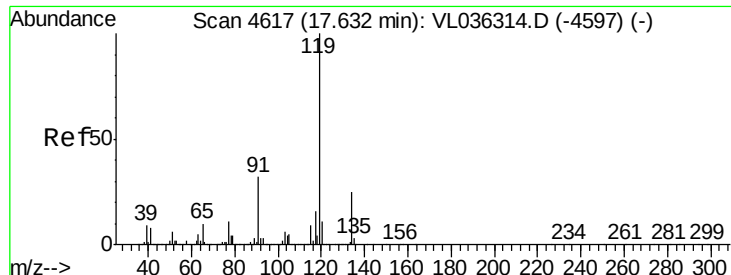
1000000

500000

0

Time-->

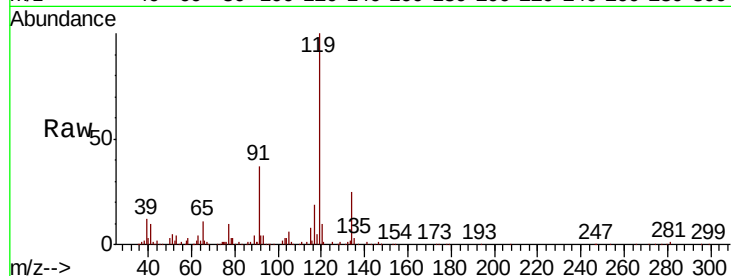




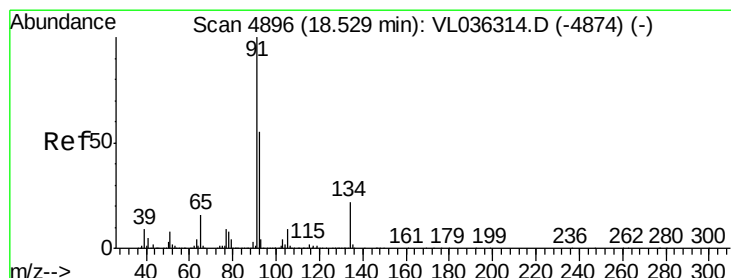
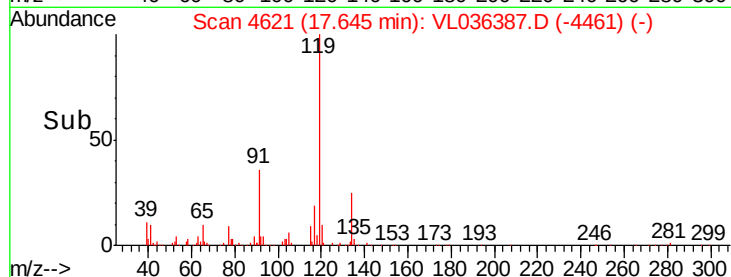
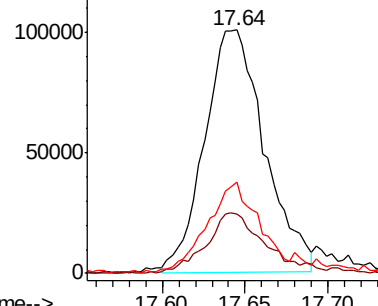
#69
 p-Isopropyltoluene
 Concen: 0.497 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.1	30.1
91	35.5	25.8	38.6

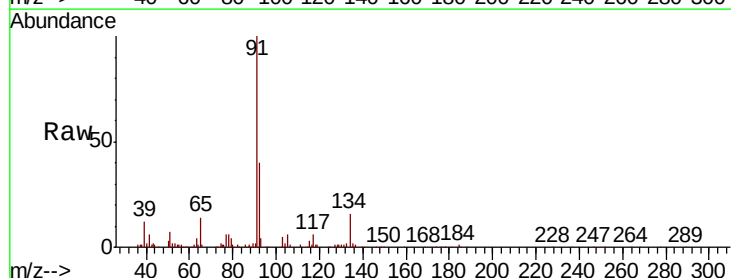


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

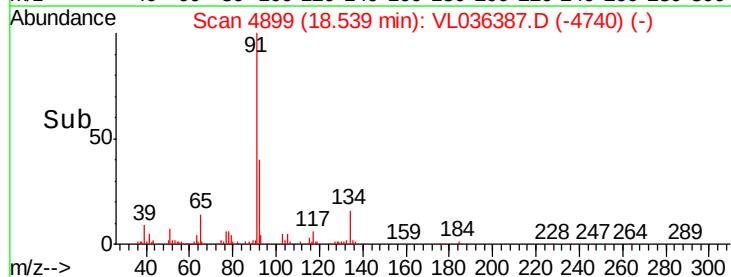
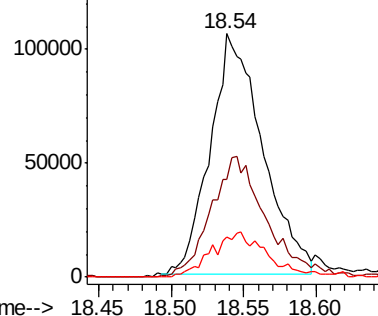


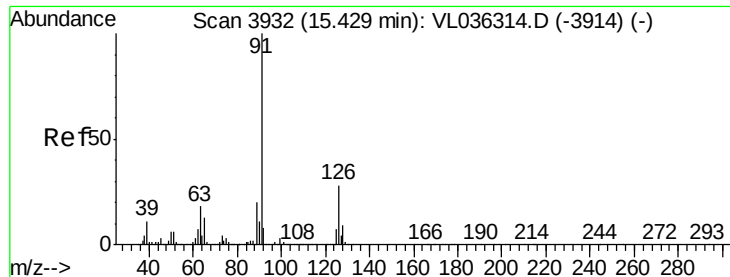
#70
 n-Butylbenzene
 Concen: 0.482 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.7	65.5
134	20.7	17.4	26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

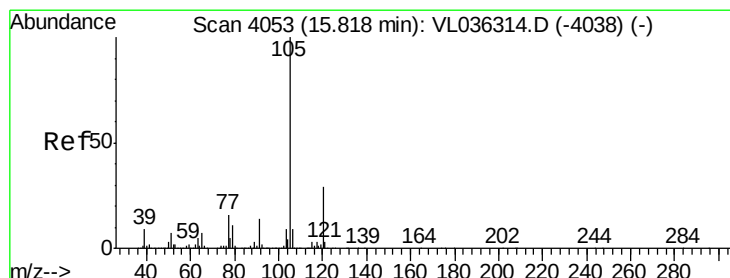
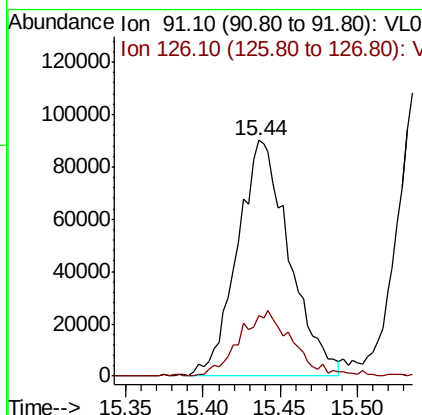
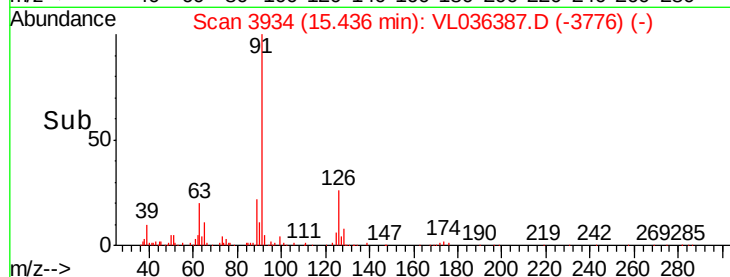
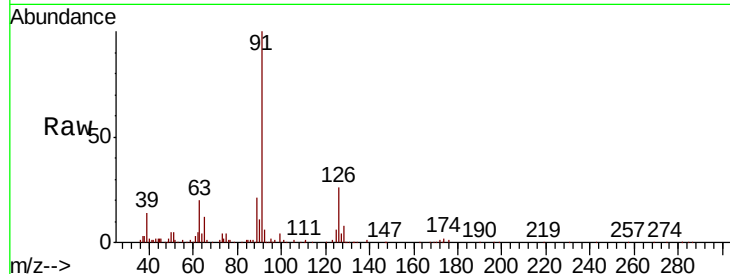




#71
 2-Chlorotoluene
 Concen: 0.507 ppbv
 RT: 15.44 min Scan# 3934
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

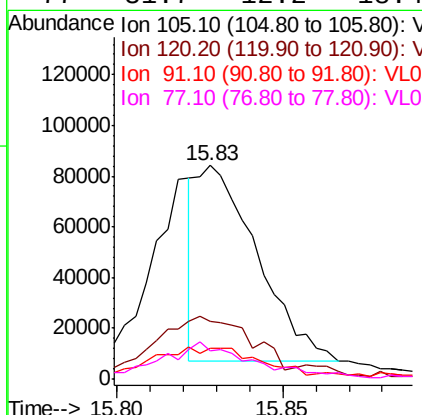
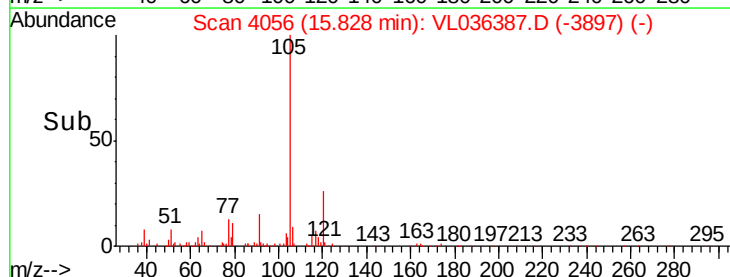
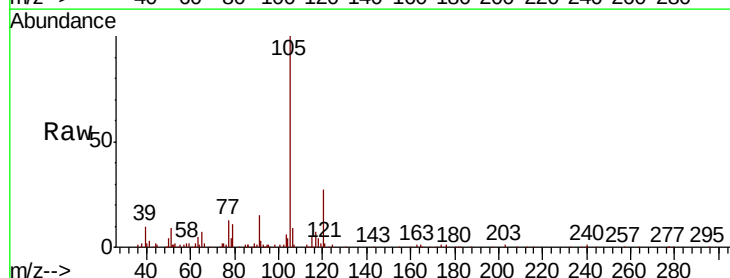
Instrument :
 MSVOA_L
 ClientSampleId :

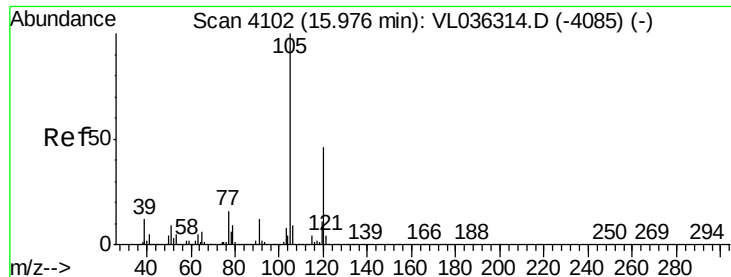
Tot Ion: 91 Resp: 208520
 Ion Ratio Lower Upper
 91 100
 126 29.0 11.5 46.1



#72
 4-Ethyltoluene
 Concen: 0.245 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion: 105 Resp: 97462
 Ion Ratio Lower Upper
 105 100
 120 59.9 23.2 34.8#
 91 33.6 11.0 16.4#
 77 31.7 12.2 18.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.442 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

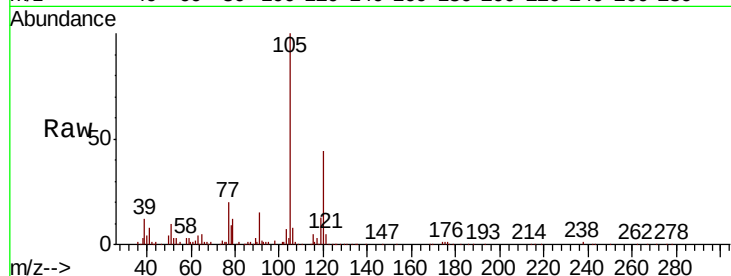
ClientSampleId :

Tot Ion:105 Resp: 170620

Ion Ratio Lower Upper

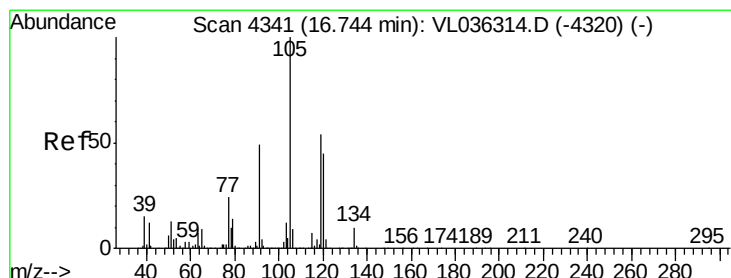
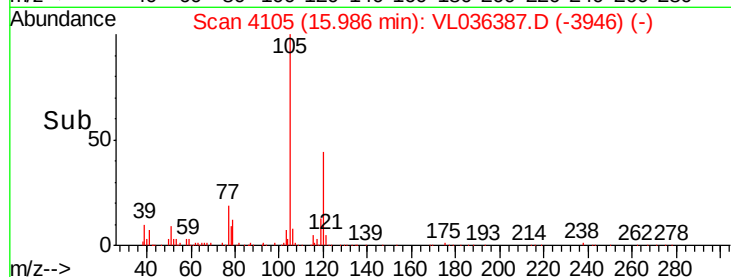
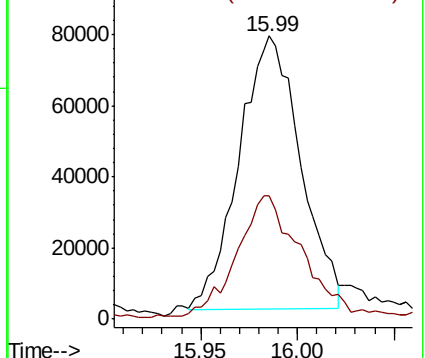
105 100

120 43.3 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.219 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion:105 Resp: 86344

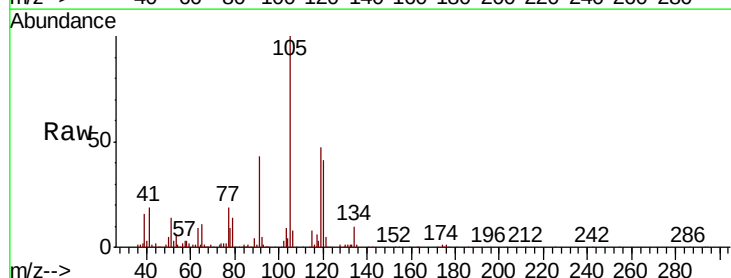
Ion Ratio Lower Upper

105 100

120 39.1 35.8 53.6

91 40.6 39.8 59.6

77 16.8 19.1 28.7#

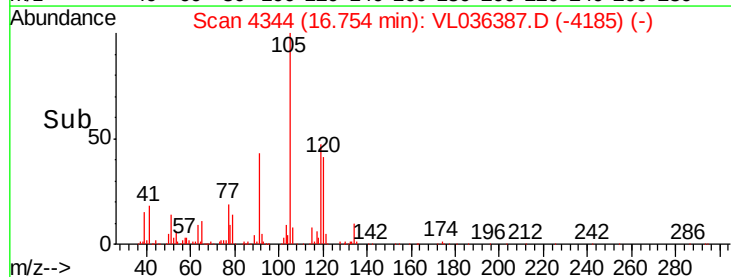
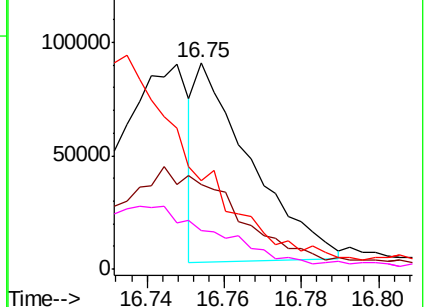


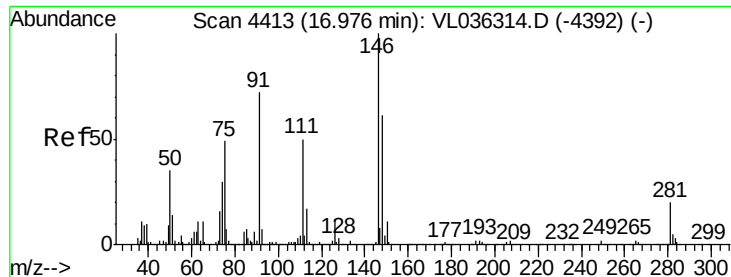
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

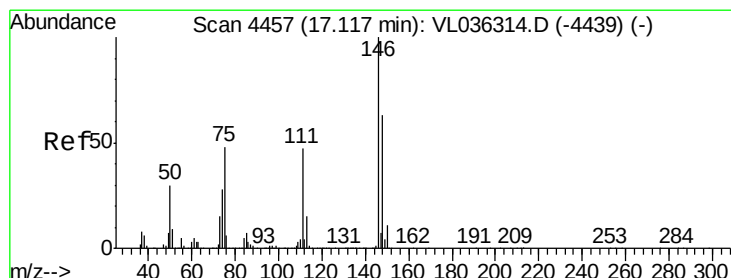
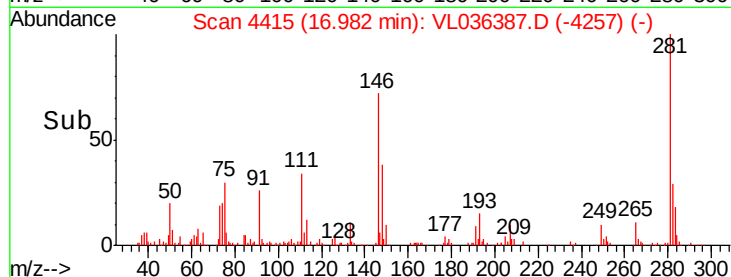
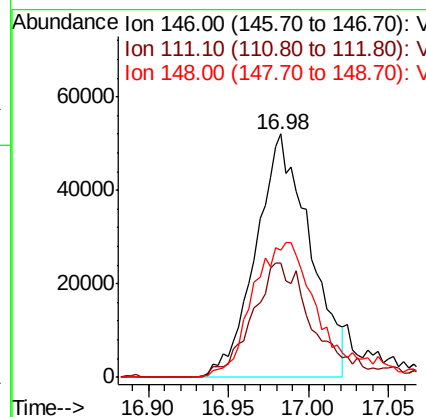
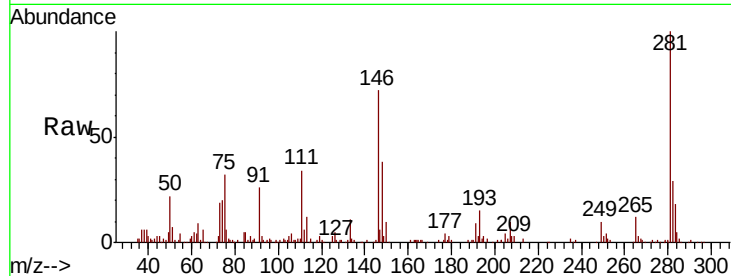




#75
 1,3-Dichlorobenzene
 Concen: 0.568 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

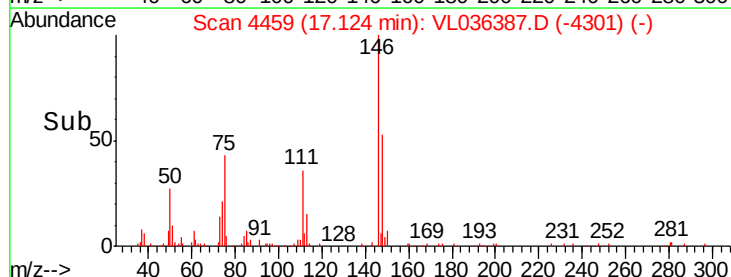
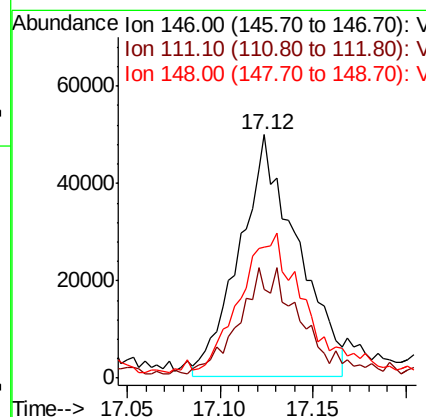
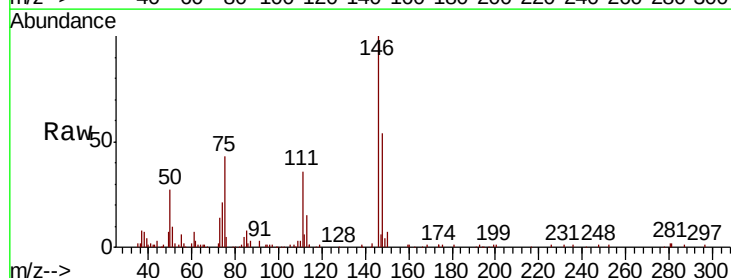
Instrument :
 MSVOA_L
 ClientSampleId :

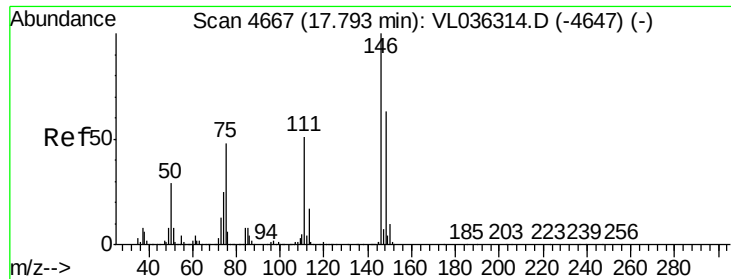
Tot Ion	Ratio	Lower	Upper
146	100		
111	55.1	24.9	74.6
148	69.4	31.9	95.9



#76
 1,4-Dichlorobenzene
 Concen: 0.488 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.9	23.6	71.0
148	71.4	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 0.201 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampled :

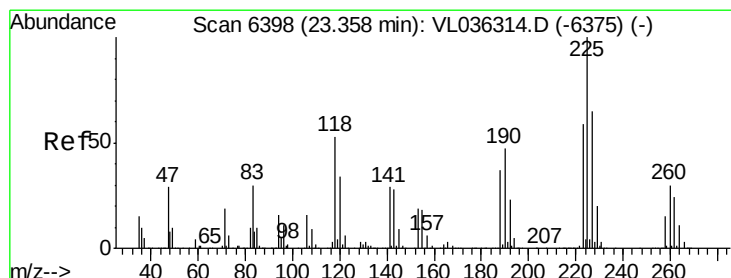
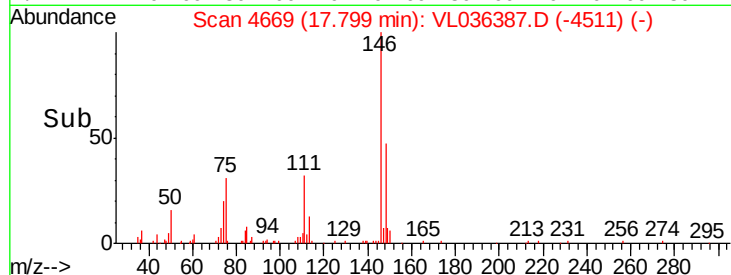
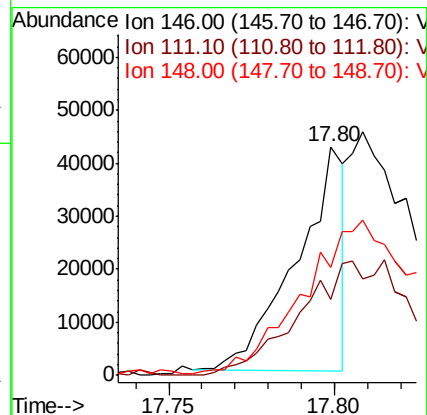
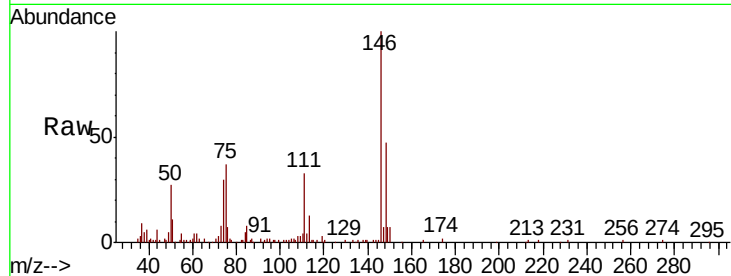
Tot Ion:146 Resp: 42618

Ion Ratio Lower Upper

146 100

111 0.0 25.9 77.8#

148 0.0 32.5 97.4#



#78

Hexachloro-1,3-Butadiene

Concen: 0.265 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

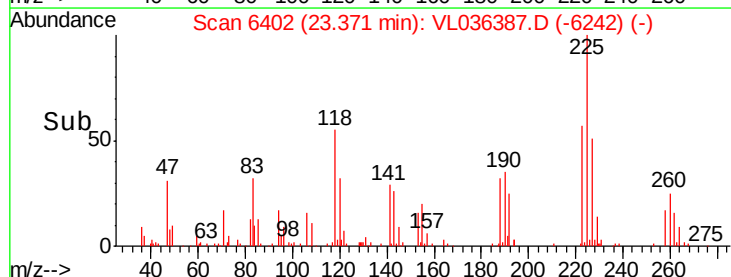
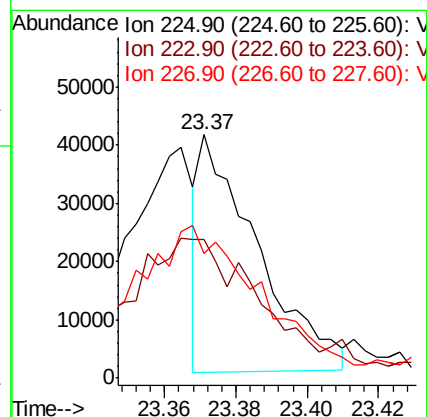
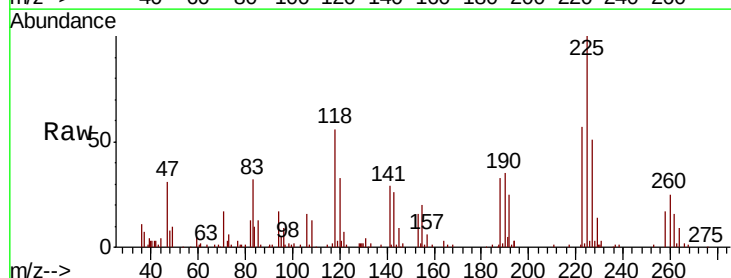
Tgt Ion:225 Resp: 46017

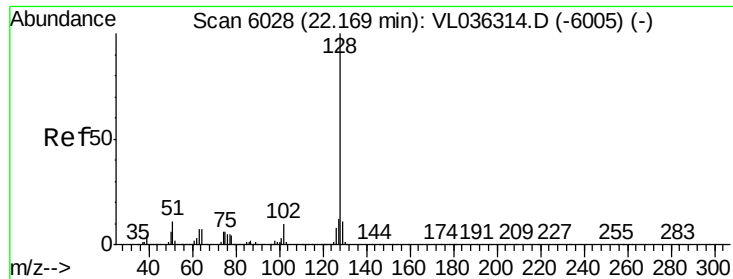
Ion Ratio Lower Upper

225 100

223 0.0 50.8 76.2#

227 160.6 52.2 78.2#





#79

Naphthalene

Concen: 0.122 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampled :

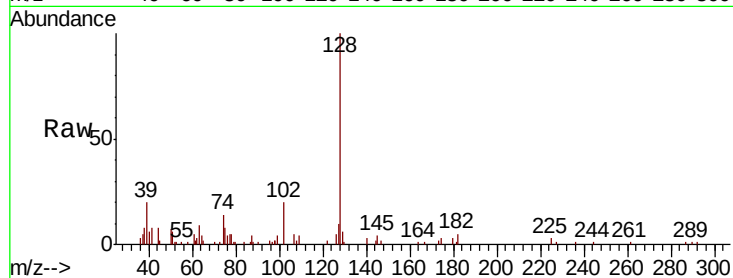
Tot Ion:128 Resp: 28448

Ion Ratio Lower Upper

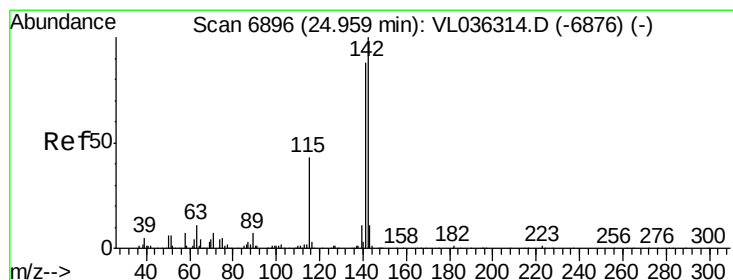
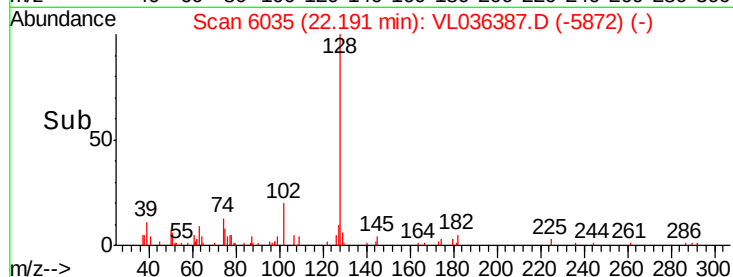
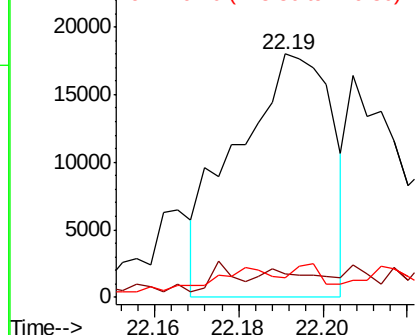
128 100

127 11.0 9.6 14.4

129 4.0 8.5 12.7#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.052 ppbv

RT: 25.16 min Scan# 6959

Delta R.T. 0.20 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

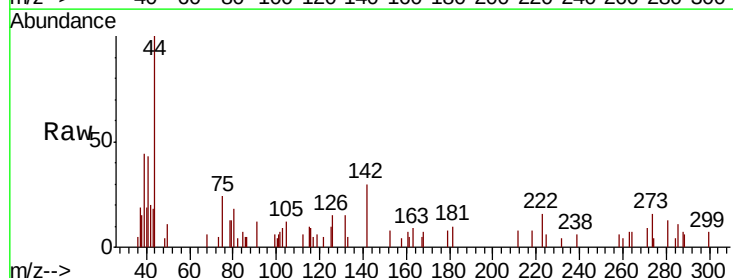
Tgt Ion:142 Resp: 2251

Ion Ratio Lower Upper

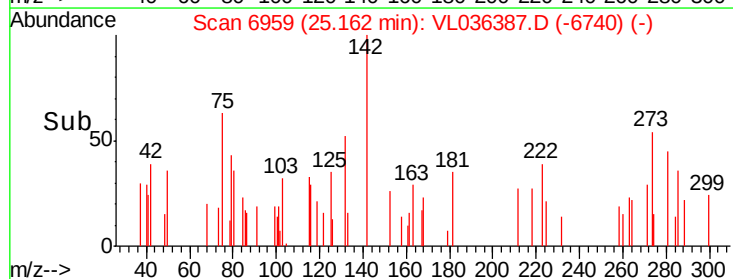
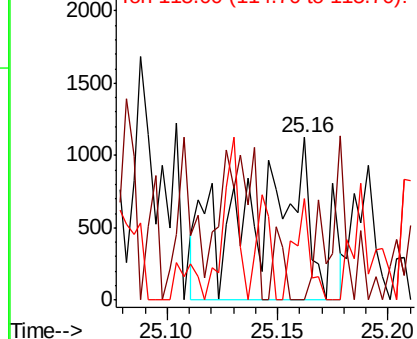
142 100

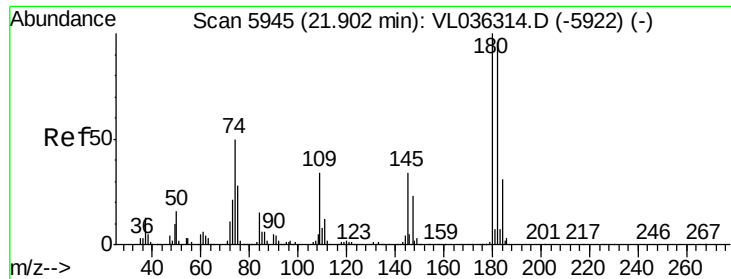
141 78.4 64.4 96.6

115 44.1 34.6 51.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

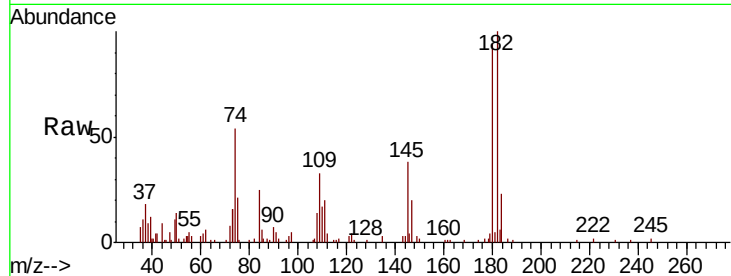




#81
 1,2,4-Trichlorobenzene
 Concen: 0.073 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.2	120.4#
184	158.1	25.0	37.6#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

