

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036561.D
 Acq On : 30 Mar 2021 7:47
 Operator : SY/AP
 Sample : VL0330ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 08:29:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1425509	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3380801	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3924967	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2703594	8.64	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1963569	8.445 ppbv	94
3) Chlorodifluoromethane	2.97	51	2491628	9.355 ppbv	100
4) Chloromethane	3.12	50	855365	9.092 ppbv	99
5) Vinyl Chloride	3.24	62	844203	8.727 ppbv	100
6) Bromomethane	3.45	94	471276	8.849 ppbv	98
7) Chloroethane	3.54	64	296289	8.914 ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2021897	9.111 ppbv	98
9) Propene	2.99	41	750432	8.838 ppbv	100
10) Heptane	8.09	43	2005894	9.274 ppbv	99
11) Trichlorofluoromethane	3.93	101	2173843	9.174 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1392258	9.190 ppbv	98
13) Ethanol	3.58	45	65229	6.451 ppbv	96
14) Bromoethene	3.72	108	576842	9.159 ppbv	99
15) Acetone	3.83	43	1229965	8.766 ppbv	97
16) 1,3-Butadiene	3.31	39	901151	9.226 ppbv	97
17) tert-Butyl alcohol	4.27	59	976382	7.994 ppbv	99
18) 1,1-Dichloroethene	4.27	96	585366	8.687 ppbv	93
19) Isopropyl Alcohol	3.95	45	529569	6.861 ppbv	# 97
20) Methylene Chloride	4.32	84	540825	8.233 ppbv	96
21) Allyl Chloride	4.39	41	960472	8.588 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	576255	9.224 ppbv	95
23) Vinyl Acetate	5.05	43	2114378	8.810 ppbv	98
24) 1,1-Dichloroethane	4.99	63	1555111	8.890 ppbv	98
25) Ethyl Acetate	5.65	43	2918360	8.749 ppbv	99
26) Hexane	5.66	57	1406943	9.089 ppbv	97
27) Carbon Disulfide	4.53	76	1546496	10.142 ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1491359	8.170 ppbv	99
29) Chloroform	5.73	83	2234371	9.026 ppbv	100
30) Cyclohexane	7.10	84	1166300	9.290 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1332379	8.899 ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2228940	8.934 ppbv	98
34) 2-Butanone	5.22	43	1383524	8.384 ppbv	100
35) Carbon Tetrachloride	6.99	117	2339731	9.010 ppbv	98
36) Benzene	6.86	78	2867176	9.196 ppbv	99
37) 1,2-Dichloroethane	6.28	62	1666139	9.079 ppbv	99
38) Trichloroethene	7.81	130	1048438	8.640 ppbv	98
39) 1,2-Dichloropropane	7.58	63	1153050	9.116 ppbv	97
40) 1,4-Dioxane	7.81	88	44981	1.528 ppbv	# 1
41) Tetrahydrofuran	6.03	42	549862	7.226 ppbv	94
42) Bromodichloromethane	7.76	83	2379880	9.534 ppbv	99
43) Methyl Methacrylate	7.99	69	1096258	10.470 ppbv	97

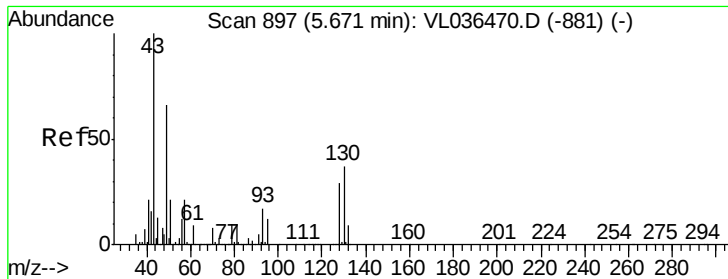
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036561.D
 Acq On : 30 Mar 2021 7:47
 Operator : SY/AP
 Sample : VL0330ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 08:29:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4931335	8.986	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	961689	8.044	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1243257	8.135	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1169758	9.131	ppbv	98
48) Dibromochloromethane	10.28	129	1929918	9.882	ppbv	100
49) Bromoform	13.01	173	1584863	10.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2117231	8.867	ppbv	98
51) 2-Hexanone	10.11	43	1148360	9.530	ppbv #	98
52) Tetrachloroethene	11.20	164	974526	8.488	ppbv	97
53) Toluene	9.78	91	3208059	9.662	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1677527	9.272	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	720472	4.058	ppbv #	20
57) Chlorobenzene	12.12	112	2370342	7.098	ppbv	99
58) Ethyl Benzene	12.68	91	4372821	7.658	ppbv	98
59) m/p-Xylene	12.97	91	4300053	8.634	ppbv #	51
60) o-Xylene	13.66	91	3537272	7.345	ppbv	100
61) Styrene	13.50	104	1895455	7.823	ppbv	99
62) Isopropylbenzene	14.64	105	4855333	7.487	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2544715	6.927	ppbv	99
64) n-propylbenzene	15.54	120	1274161	8.036	ppbv	98
65) tert-Butylbenzene	16.72	119	4192993	7.456	ppbv	99
66) Benzyl Chloride	16.96	91	497890	8.010	ppbv	99
67) sec-Butylbenzene	17.27	105	5933668	7.475	ppbv	100
69) p-Isopropyltoluene	17.63	119	4857669	7.836	ppbv	100
70) n-Butylbenzene	18.52	91	5070252	7.889	ppbv	99
71) 2-Chlorotoluene	15.43	91	3791795	7.803	ppbv	99
72) 4-Ethyltoluene	15.81	105	4127779	7.822	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3681360	7.475	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3853855	7.312	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2246100	7.571	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2139659	7.264	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2128065	7.631	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1637213	6.555	ppbv	99
79) Naphthalene	22.17	128	2477372	8.055	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	332924	5.489	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	1508449	7.944	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampled :

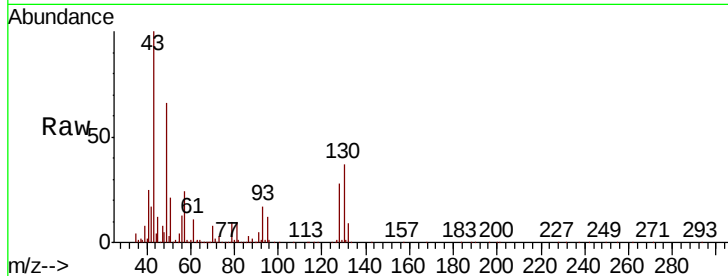
Tot Ion: 49 Resp: 1425509

Ion Ratio Lower Upper

49 100

128 46.5 23.5 70.6

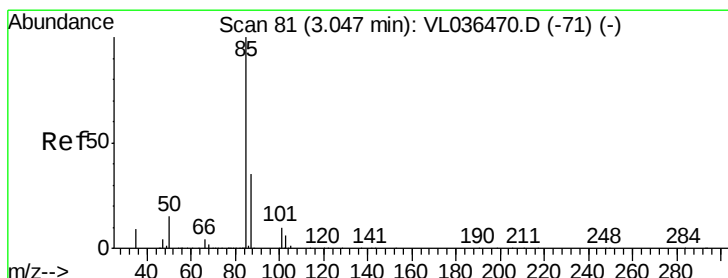
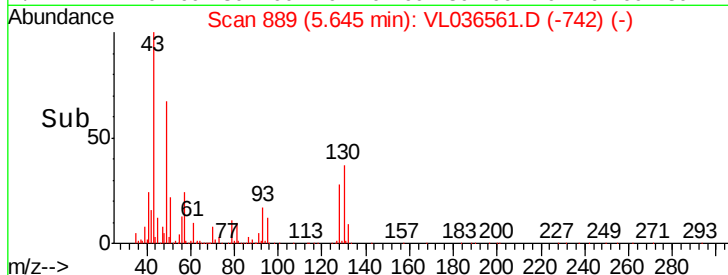
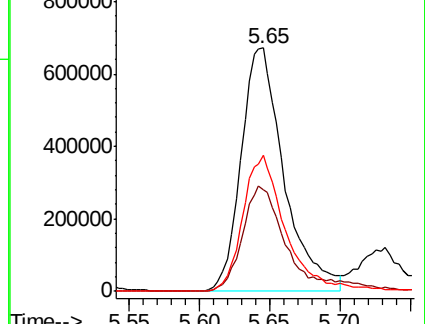
130 56.8 29.1 87.4



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: 8.445 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL036561.D

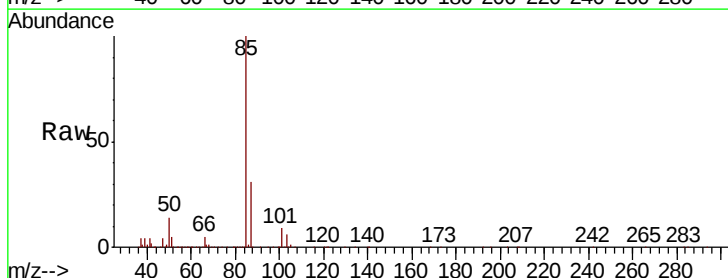
Acq: 30 Mar 2021 7:47

Tgt Ion: 85 Resp: 1963569

Ion Ratio Lower Upper

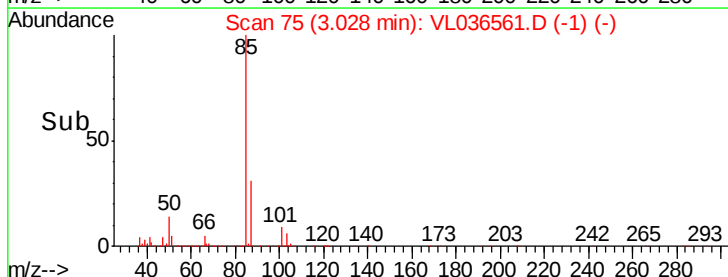
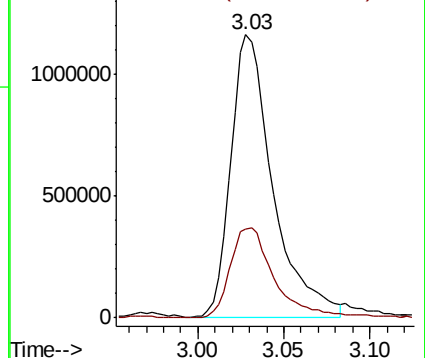
85 100

87 31.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.355 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

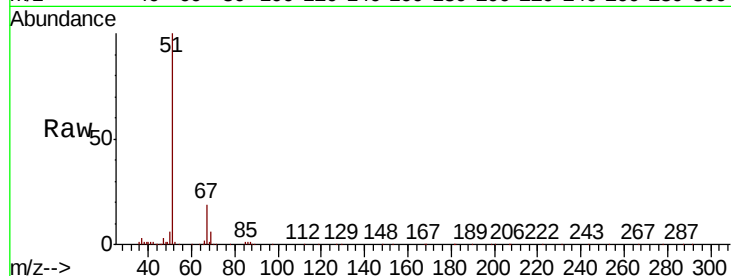
ClientSampleId :

Tot Ion: 51 Resp: 2491628

Ion Ratio Lower Upper

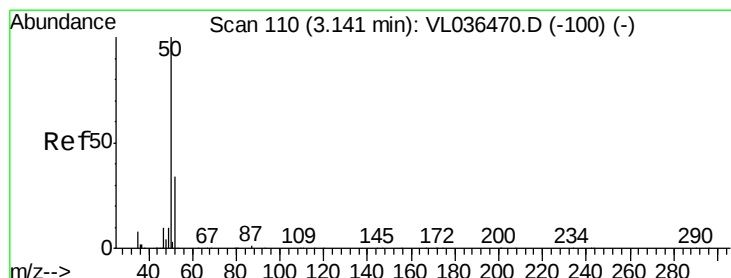
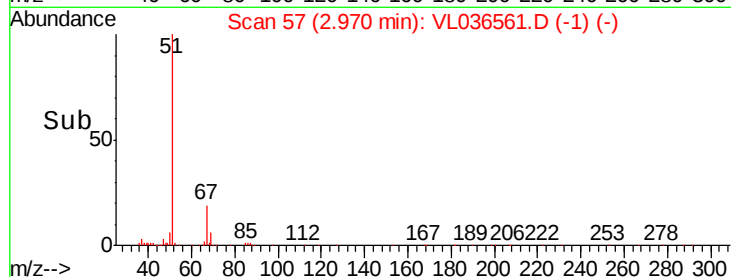
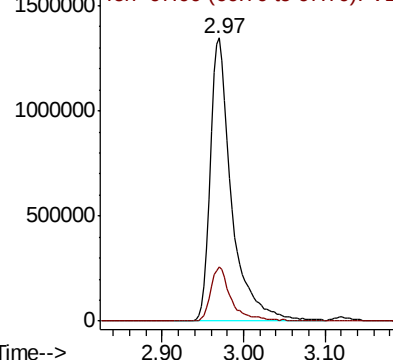
51 100

67 18.6 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: 9.092 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL036561.D

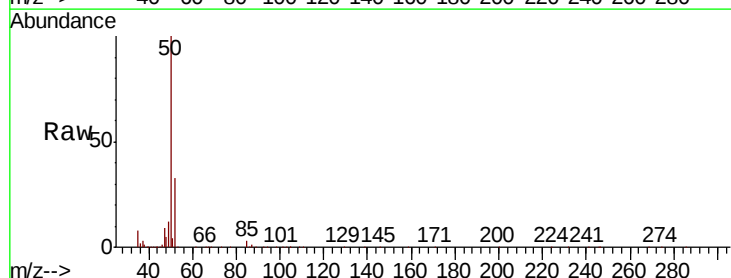
Acq: 30 Mar 2021 7:47

Tgt Ion: 50 Resp: 855365

Ion Ratio Lower Upper

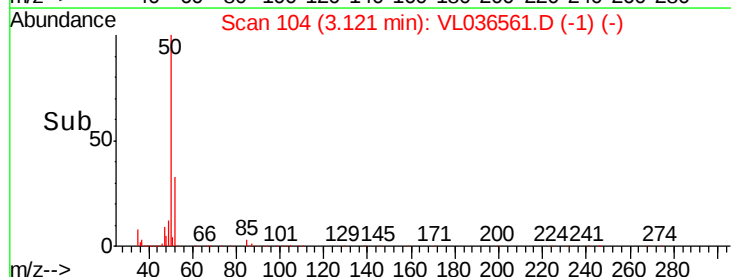
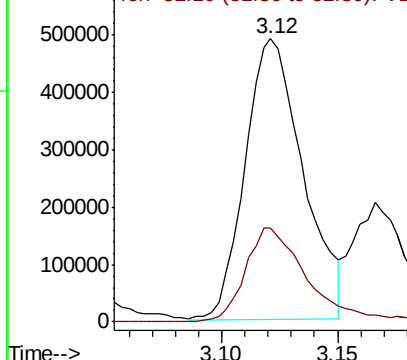
50 100

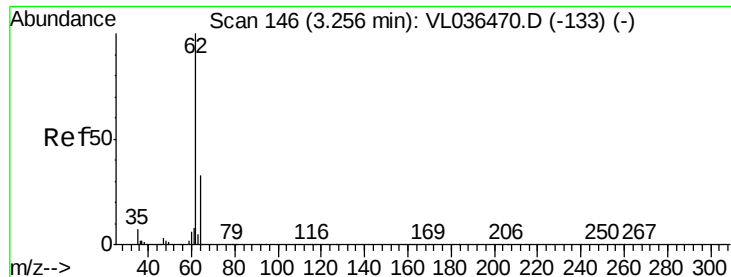
52 33.4 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.727 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

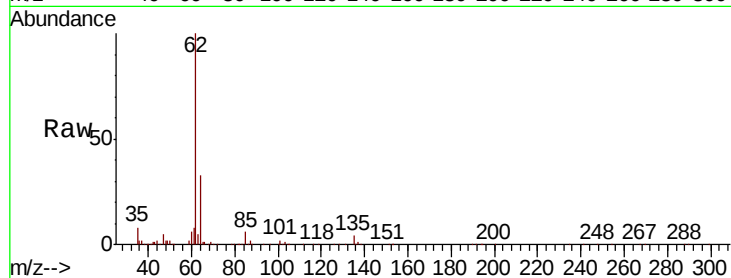
ClientSampleId :

Tot Ion: 62 Resp: 844203

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

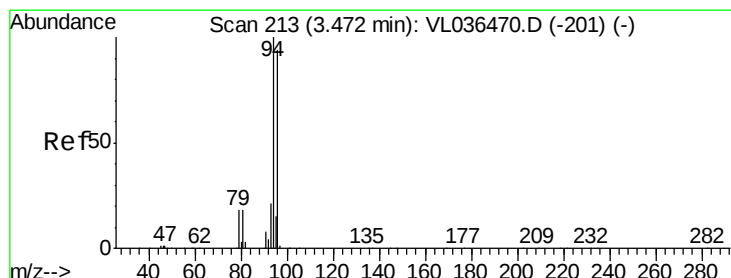
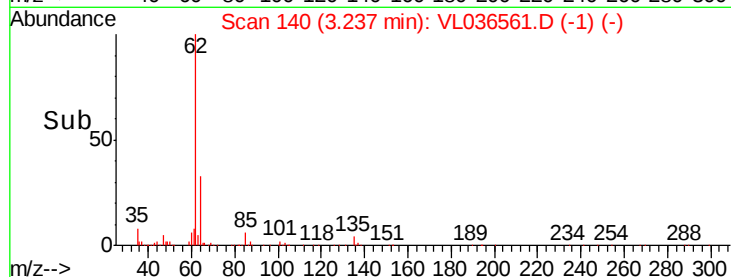
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.849 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL036561.D

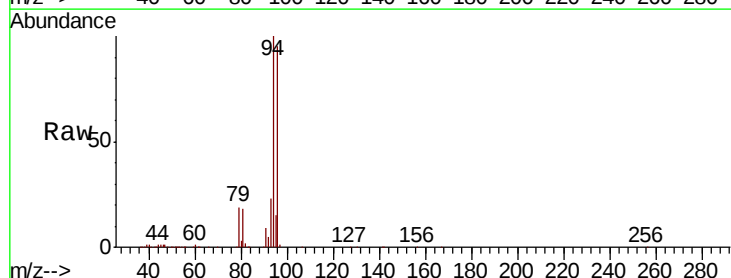
Acq: 30 Mar 2021 7:47

Tgt Ion: 94 Resp: 471276

Ion Ratio Lower Upper

94 100

96 95.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

300000

250000

200000

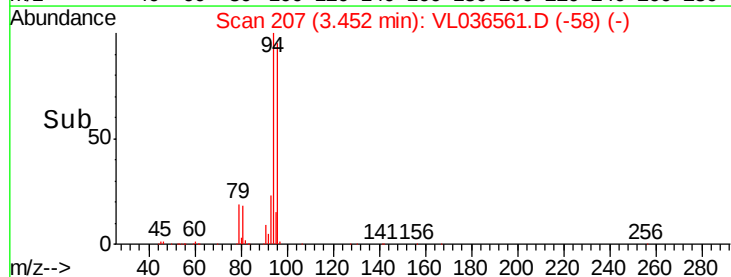
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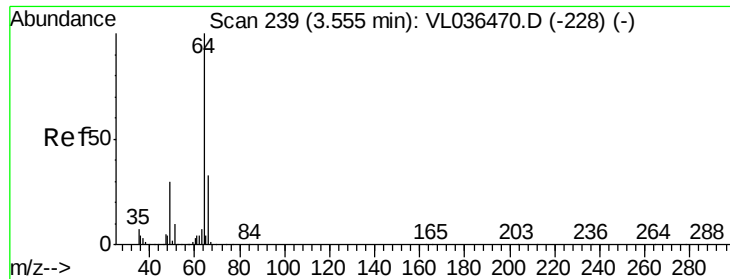
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.914 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

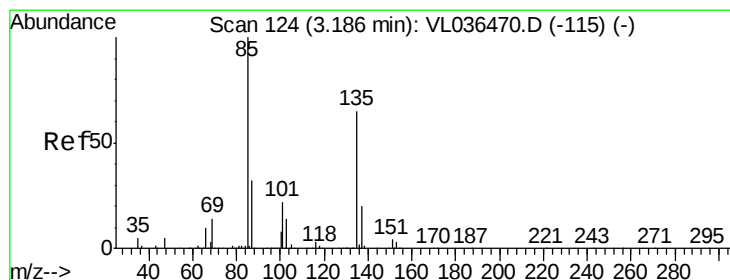
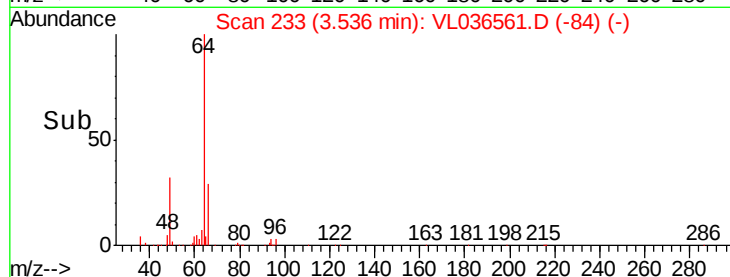
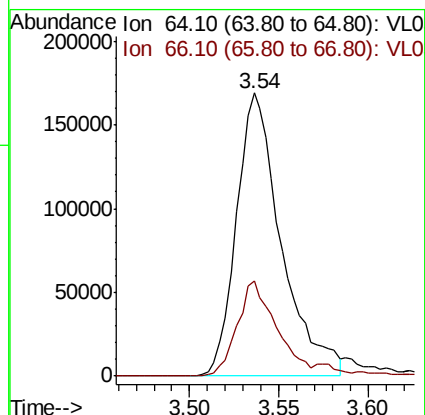
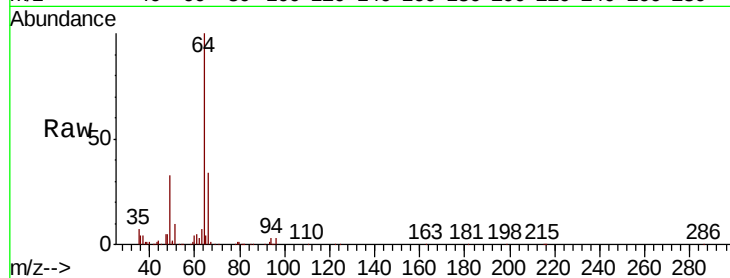
ClientSampleId :

Tot Ion: 64 Resp: 296289

Ion Ratio Lower Upper

64 100

66 33.5 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.111 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL036561.D

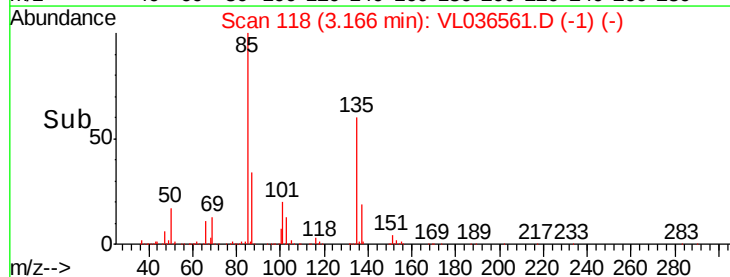
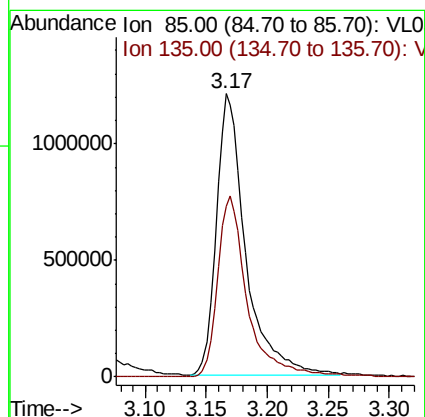
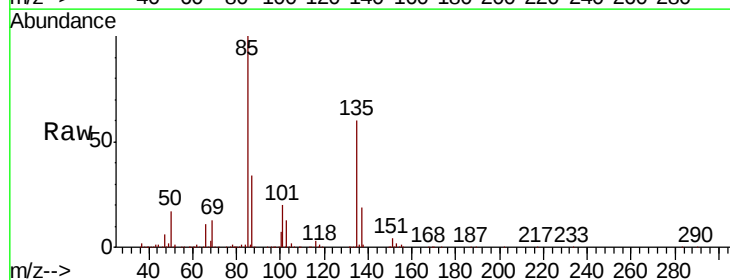
Acq: 30 Mar 2021 7:47

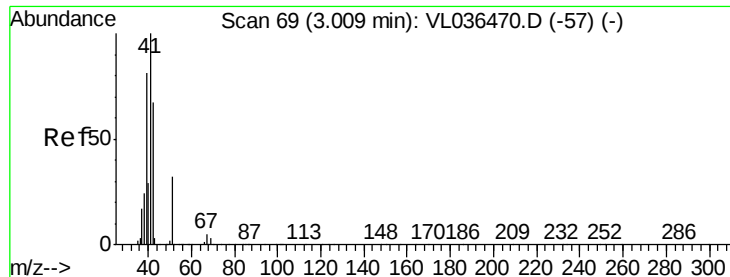
Tgt Ion: 85 Resp: 2021897

Ion Ratio Lower Upper

85 100

135 66.7 54.3 81.5





#9

Propene

Concen: 8.838 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

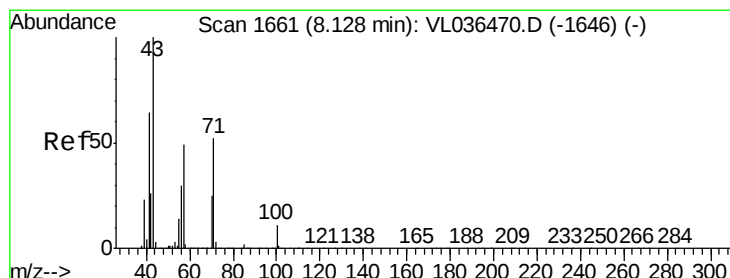
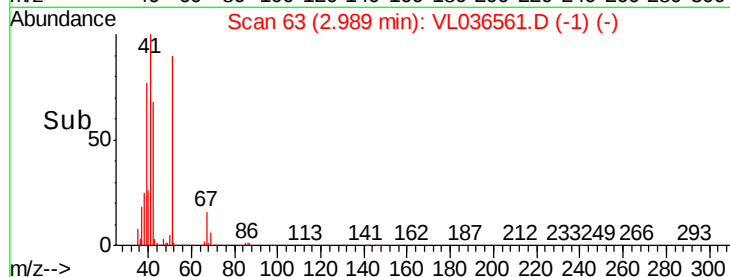
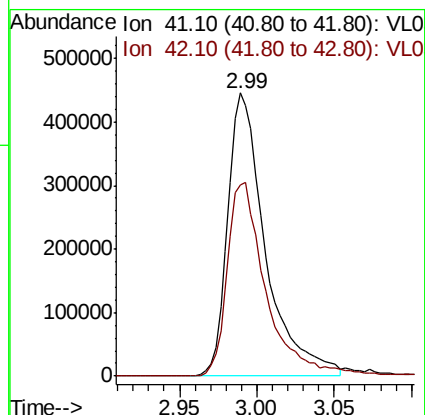
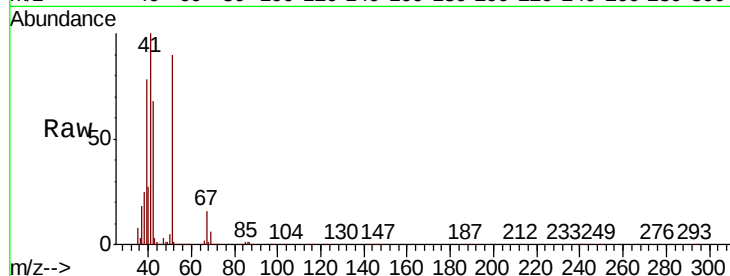
ClientSampleId :

Tot Ion: 41 Resp: 750432

Ion Ratio Lower Upper

41 100

42 71.3 57.0 85.4



#10

Heptane

Concen: 9.274 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL036561.D

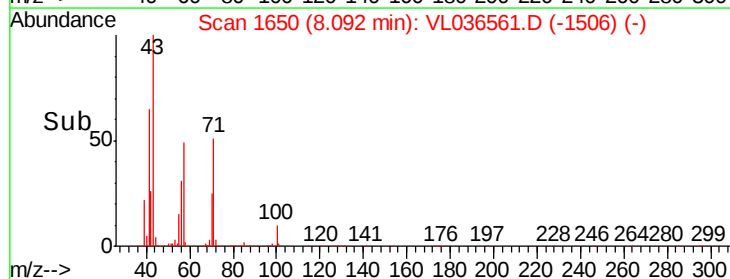
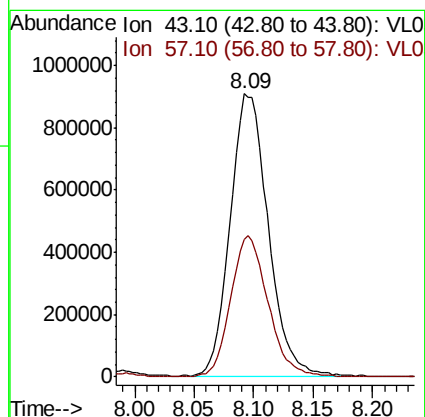
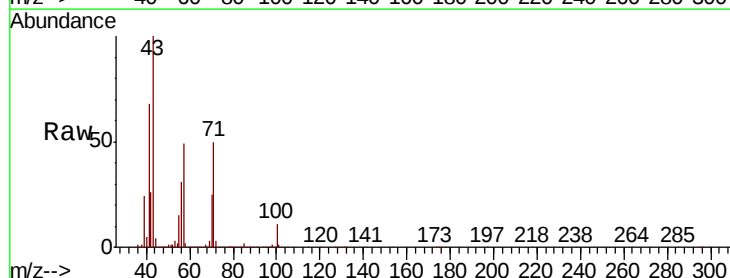
Acq: 30 Mar 2021 7:47

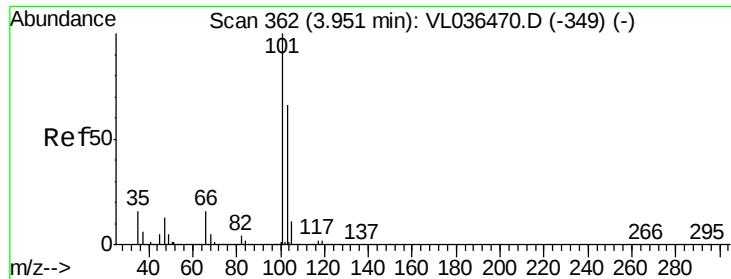
Tgt Ion: 43 Resp: 2005894

Ion Ratio Lower Upper

43 100

57 49.5 39.0 58.6

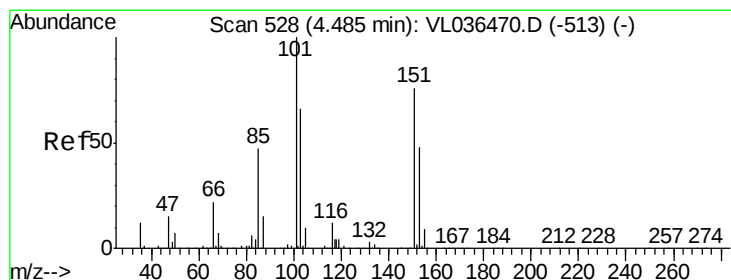
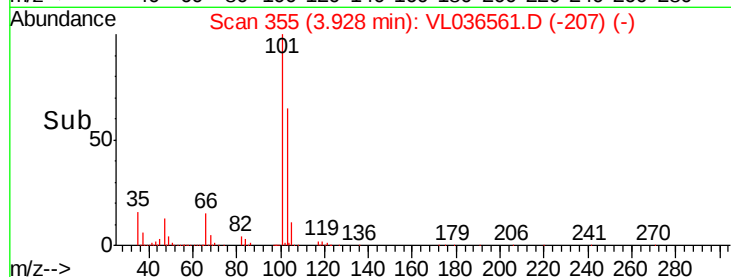
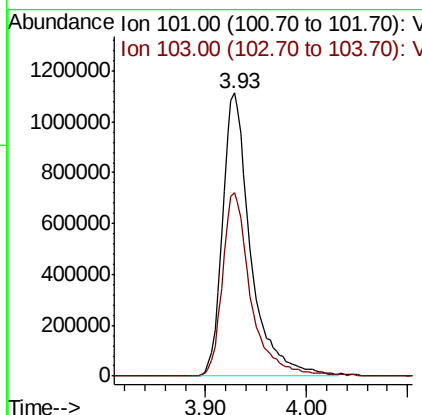
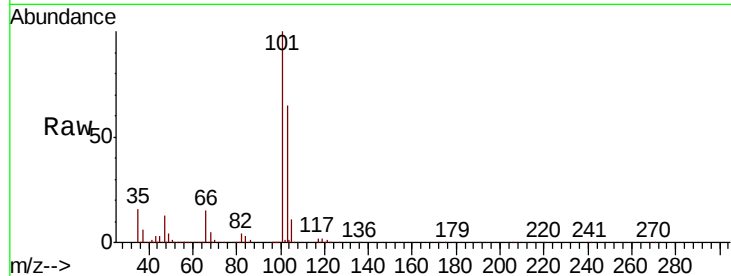




#11
 Trichlorofluoromethane
 Concen: 9.174 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

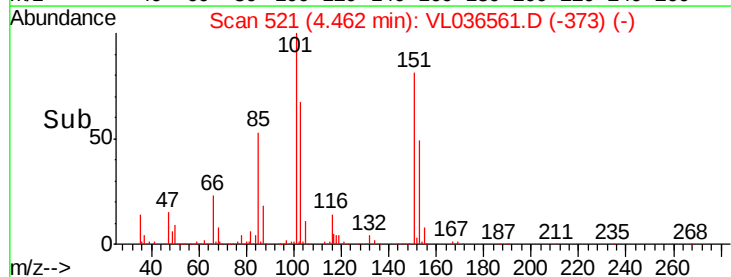
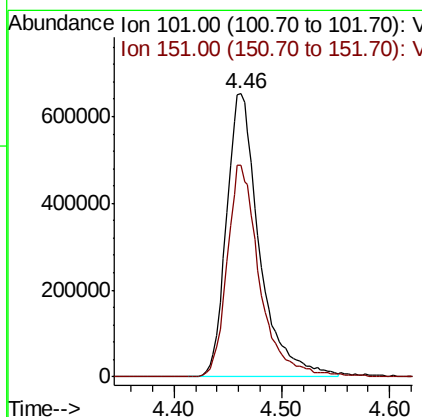
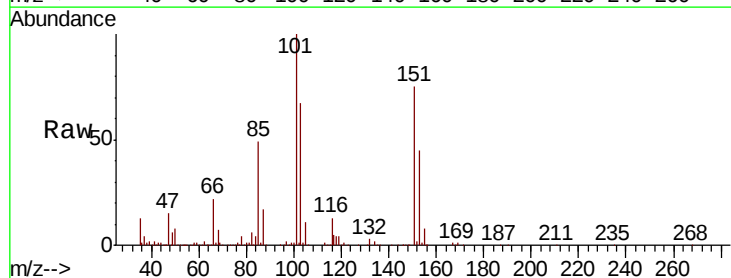
Instrument :
 MSVOA_L
 ClientSampleId :

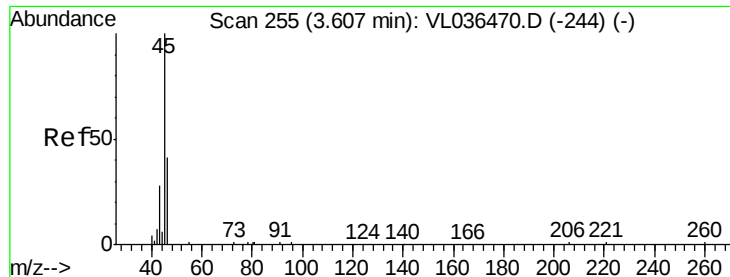
Tot Ion:101 Resp: 2173843
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.190 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:101 Resp: 1392258
 Ion Ratio Lower Upper
 101 100
 151 74.1 60.9 91.3





#13

Ethanol

Concen: 6.451 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

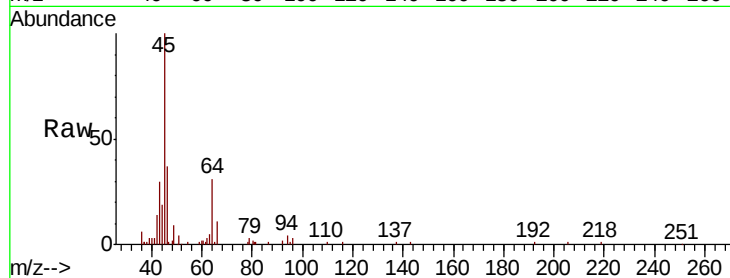
ClientSampleId :

Tot Ion: 45 Resp: 65229

Ion Ratio Lower Upper

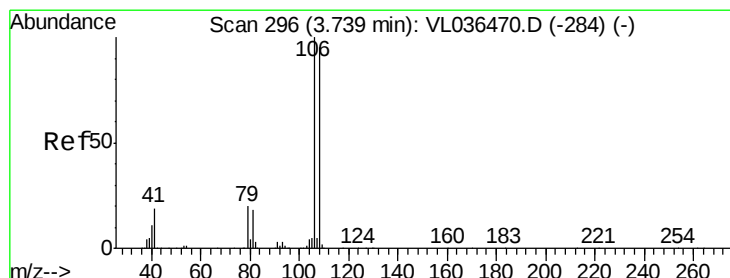
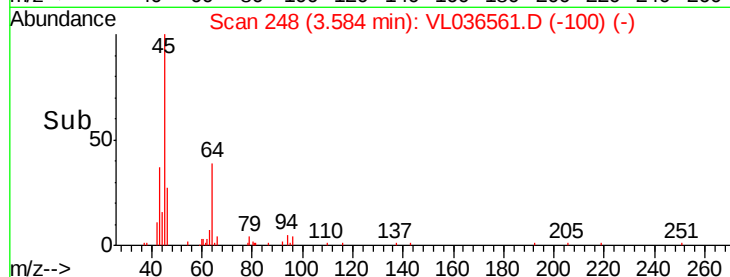
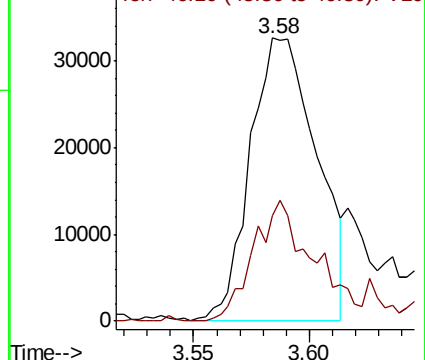
45 100

46 43.7 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.159 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

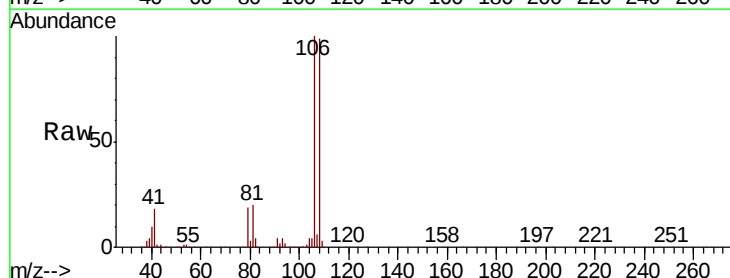
Tgt Ion: 108 Resp: 576842

Ion Ratio Lower Upper

108 100

106 110.2 89.0 133.6

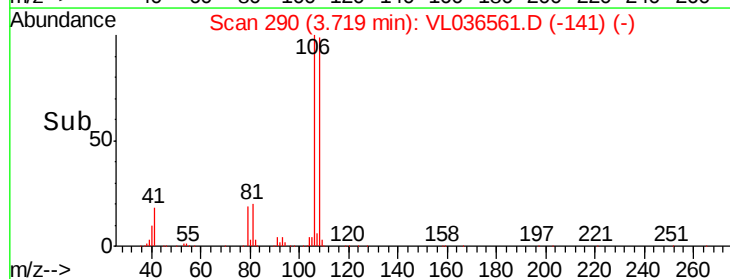
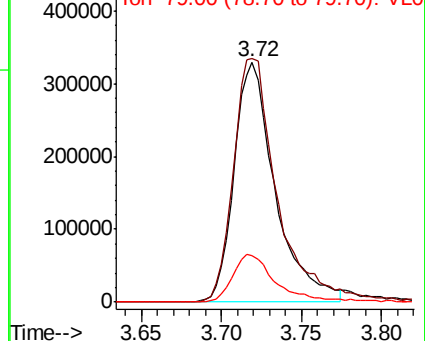
79 21.4 16.6 25.0

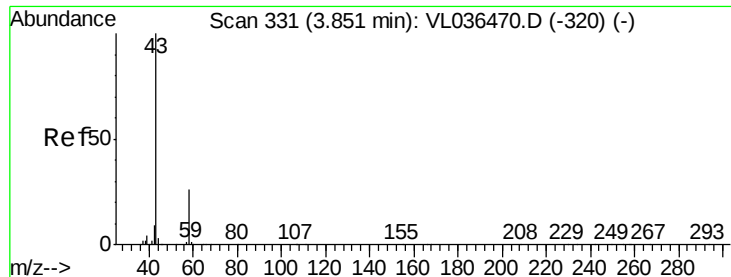


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.766 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

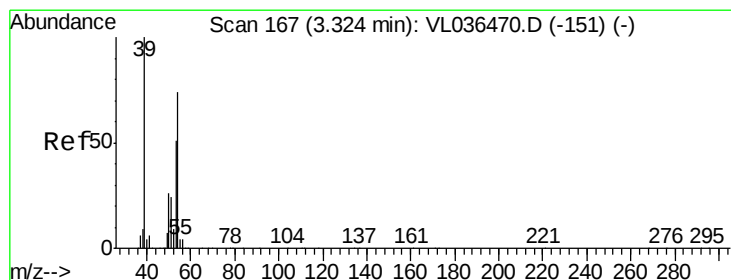
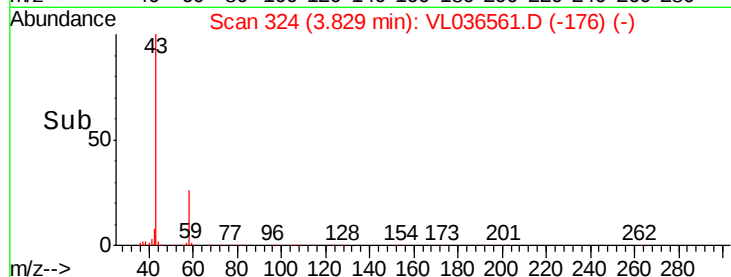
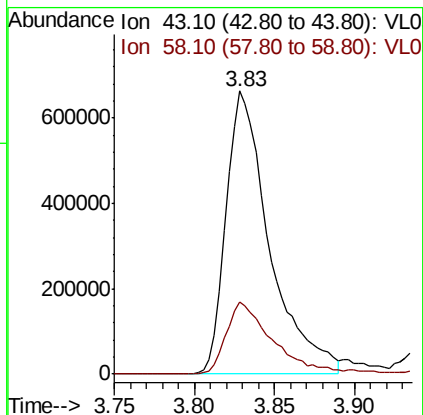
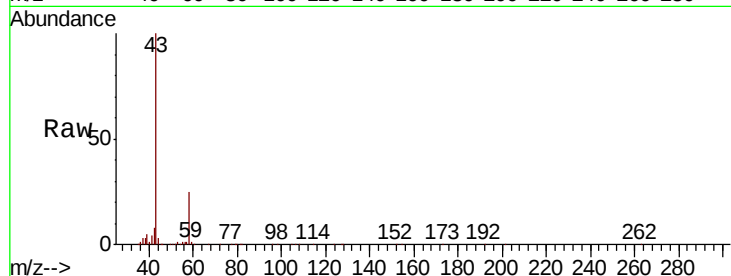
ClientSampleId :

Tot Ion: 43 Resp: 1229965

Ion Ratio Lower Upper

43 100

58 27.9 21.2 31.8



#16

1,3-Butadiene

Concen: 9.226 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL036561.D

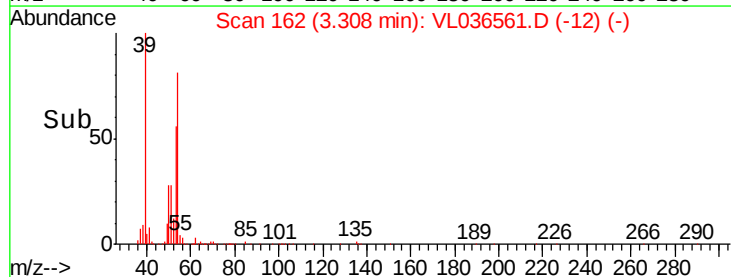
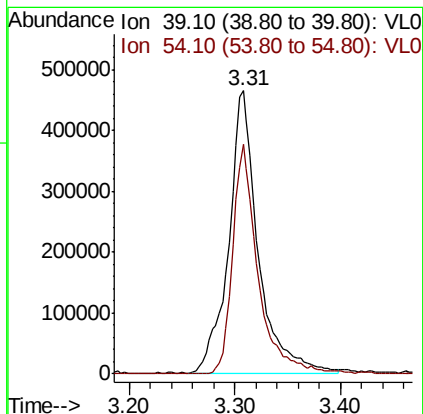
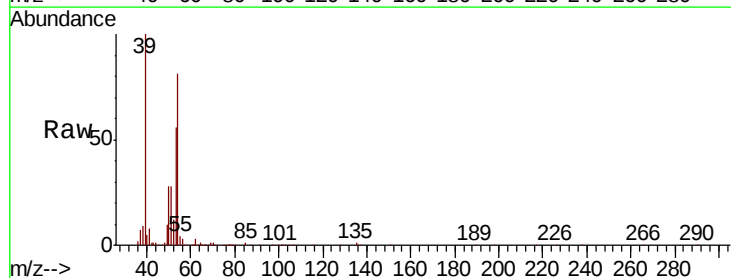
Acq: 30 Mar 2021 7:47

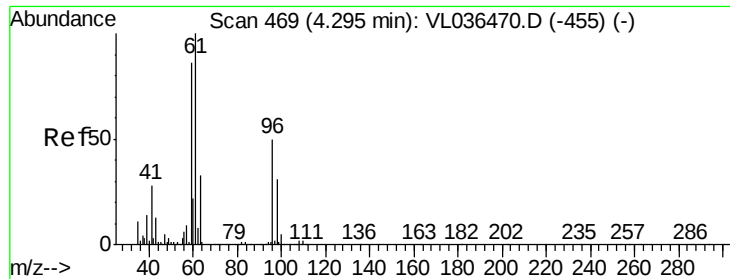
Tgt Ion: 39 Resp: 901151

Ion Ratio Lower Upper

39 100

54 70.6 58.8 88.2

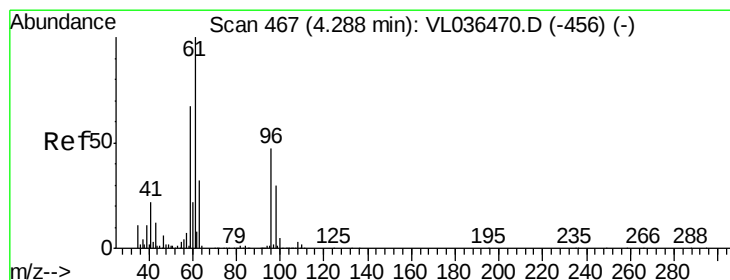
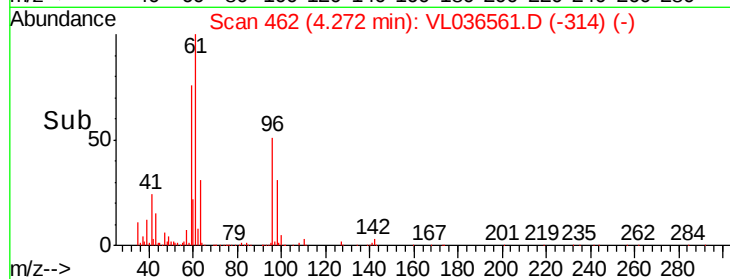
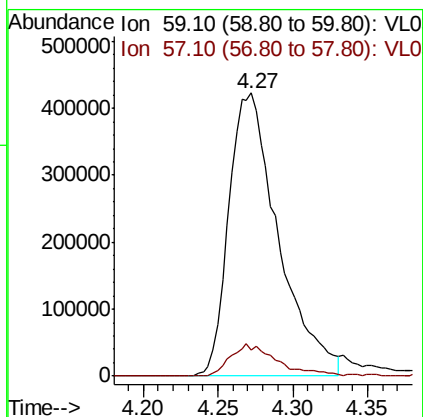
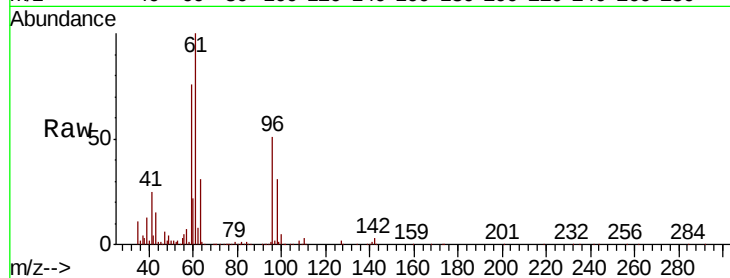




#17
tert-Butyl alcohol
Concen: 7.994 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

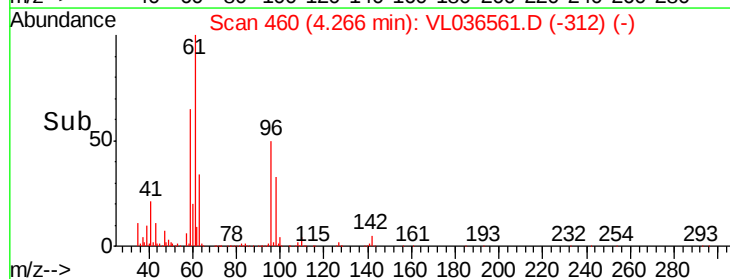
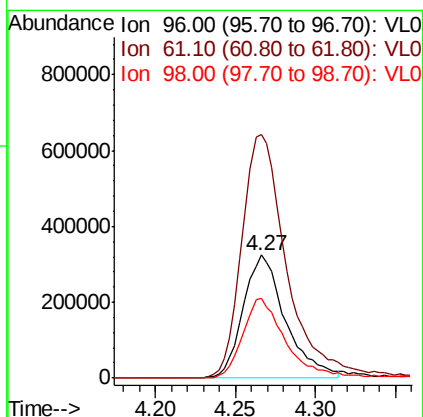
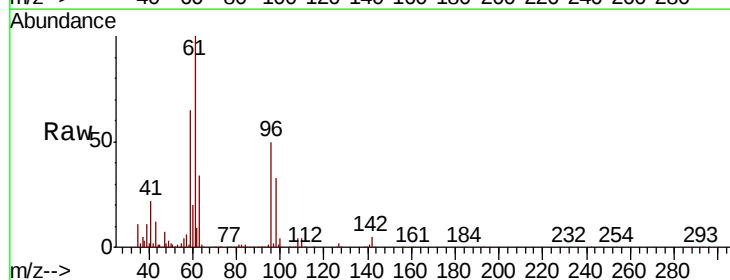
Instrument :
MSVOA_L
ClientSampled :

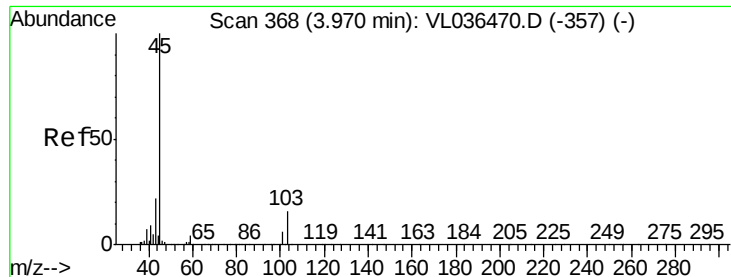
Tot Ion: 59 Resp: 976382
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8



#18
1,1-Dichloroethene
Concen: 8.687 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 96 Resp: 585366
Ion Ratio Lower Upper
96 100
61 198.1 168.6 253.0
98 65.0 50.8 76.2





#19

Isopropyl Alcohol

Concen: 6.861 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

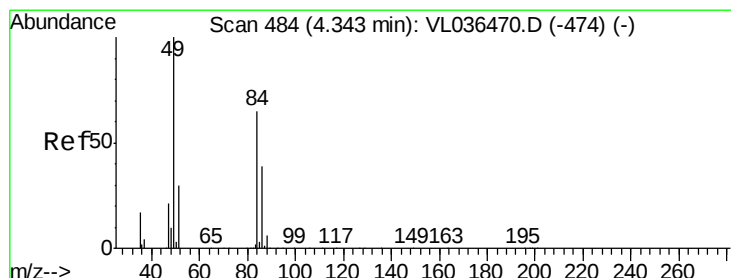
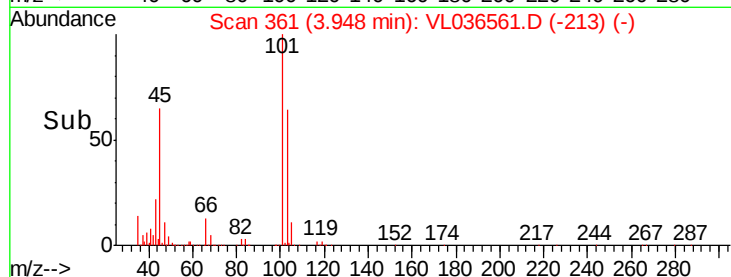
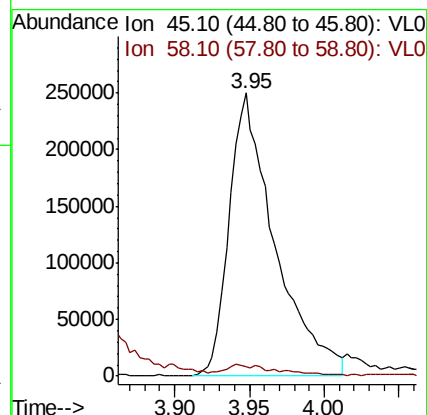
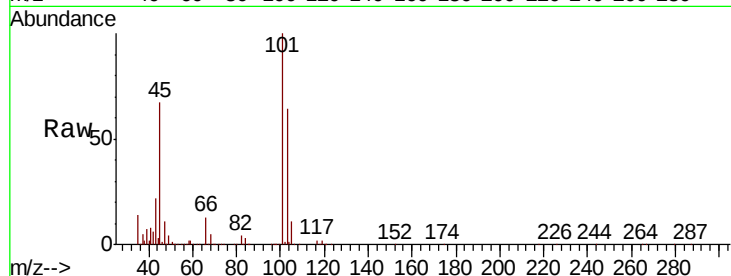
ClientSampleId :

Tot Ion: 45 Resp: 529569

Ion Ratio Lower Upper

45 100

58 4.5 2.9 4.3#



#20

Methylene Chloride

Concen: 8.233 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion: 84 Resp: 540825

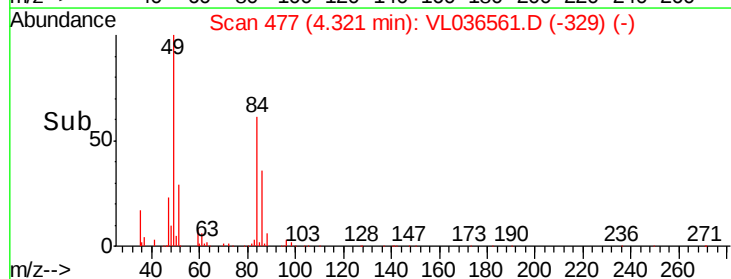
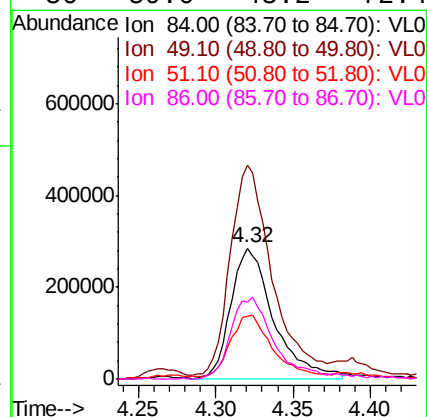
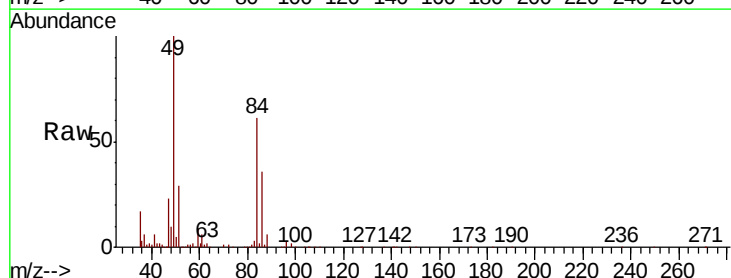
Ion Ratio Lower Upper

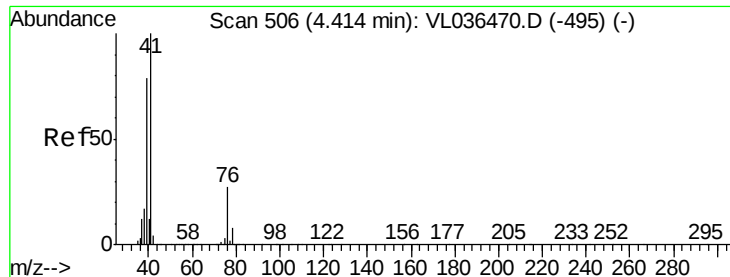
84 100

49 161.2 122.9 184.3

51 45.6 36.9 55.3

86 59.0 48.2 72.4

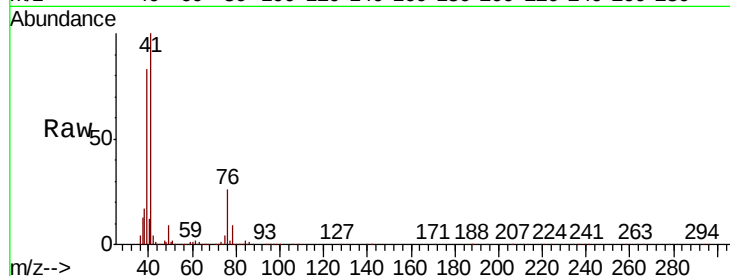




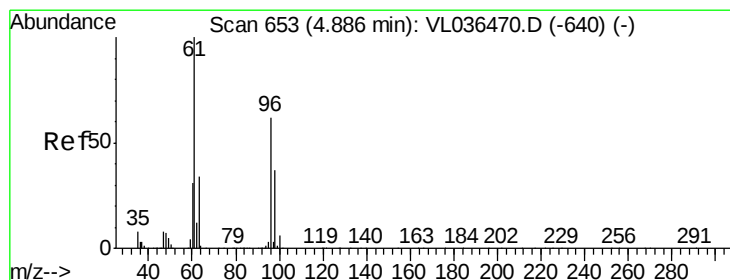
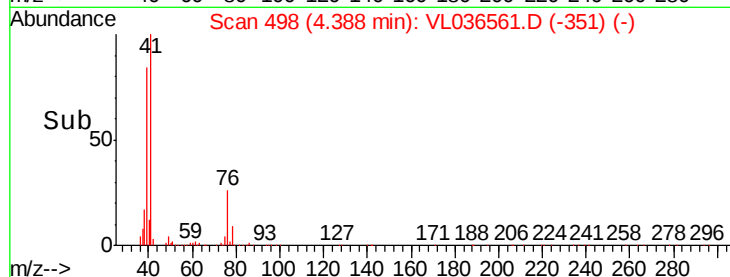
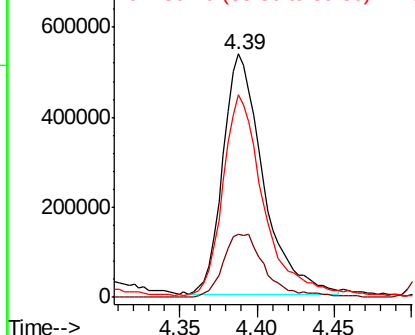
#21
Allvl Chloride
Concen: 8.588 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.9	34.3
39	86.2	67.3	100.9

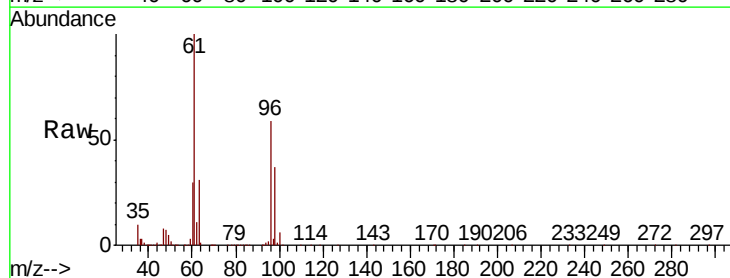


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

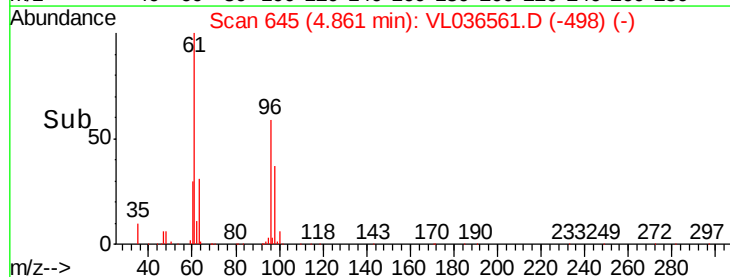
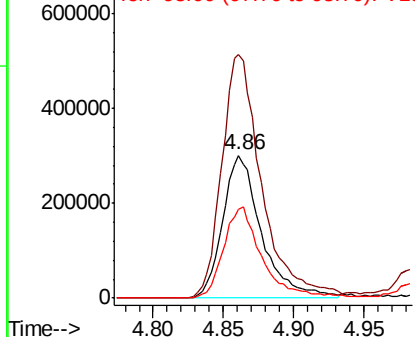


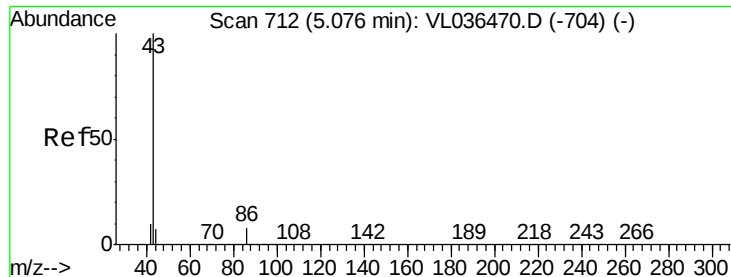
#22
trans-1,2-Dichloroethene
Concen: 9.224 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.8	129.4	194.0
98	62.6	48.2	72.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.810 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.03 min

Lab File: VL036561.D

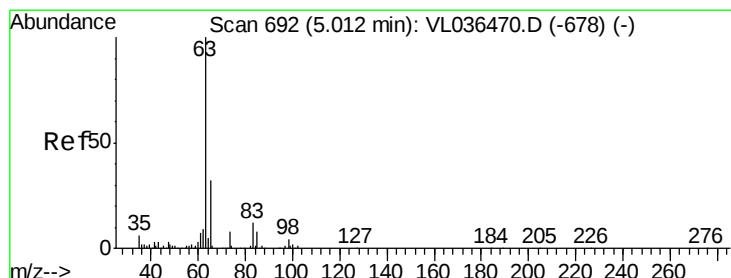
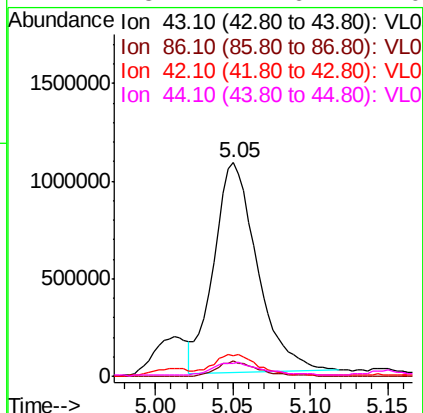
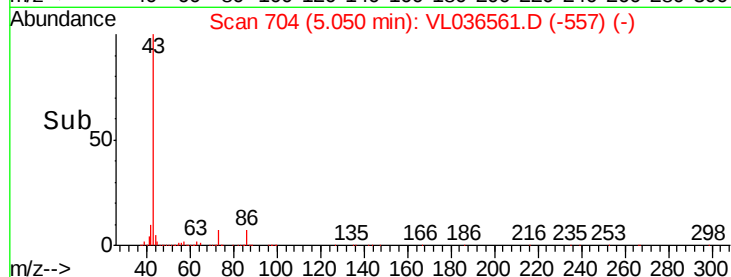
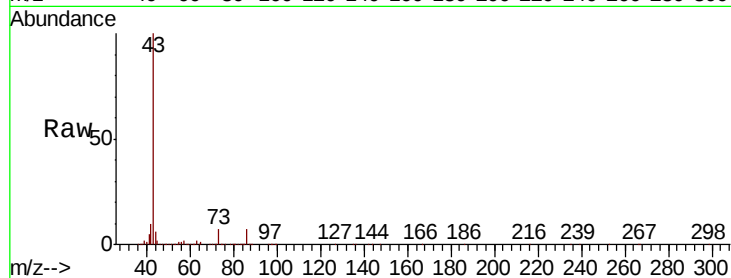
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2114378

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.4	8.0
42	9.5	8.5	12.7
44	5.7	4.6	7.0

43	100		
86	7.4	5.4	8.0
42	9.5	8.5	12.7
44	5.7	4.6	7.0



#24

1,1-Dichloroethane

Concen: 8.890 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

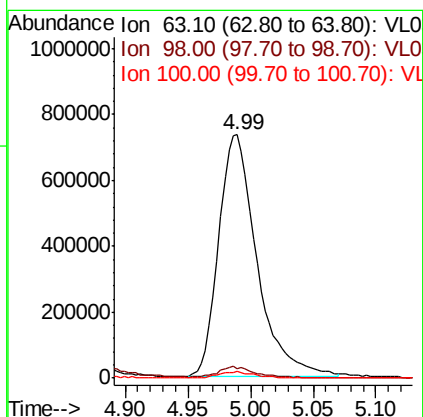
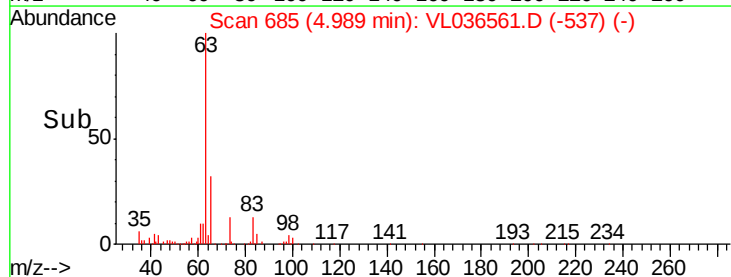
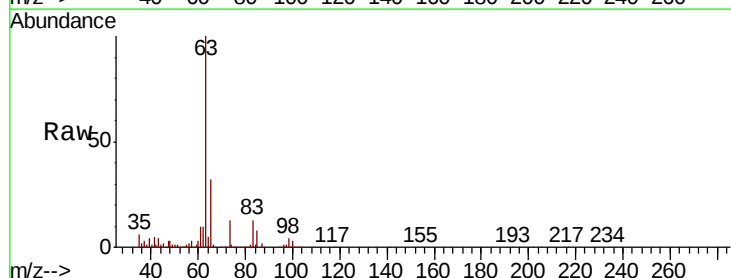
Lab File: VL036561.D

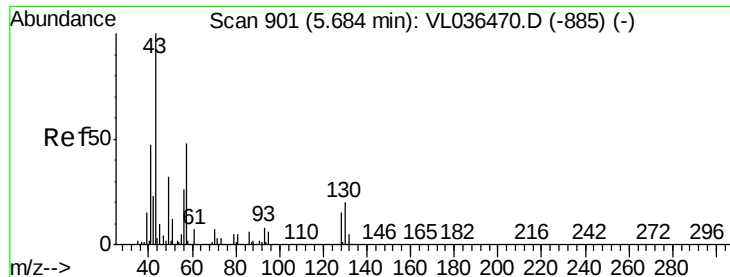
Acq: 30 Mar 2021 7:47

Tgt Ion: 63 Resp: 1555111

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.2
100	2.6	0.9	2.8

63	100		
98	3.6	2.1	6.2
100	2.6	0.9	2.8



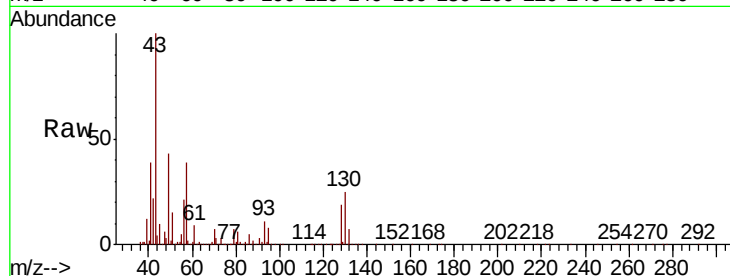


#25
Ethyl Acetate
Concen: 8.749 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2918360

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.9	11.9
61	8.6	7.4	11.2
70	6.2	5.1	7.7



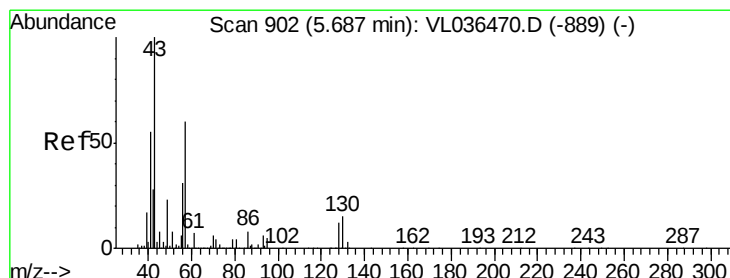
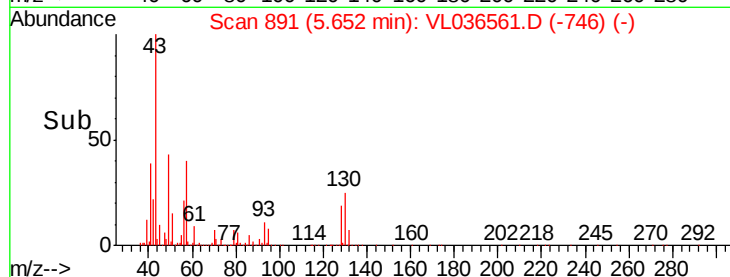
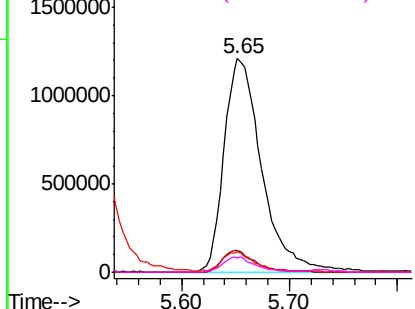
Abundance

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

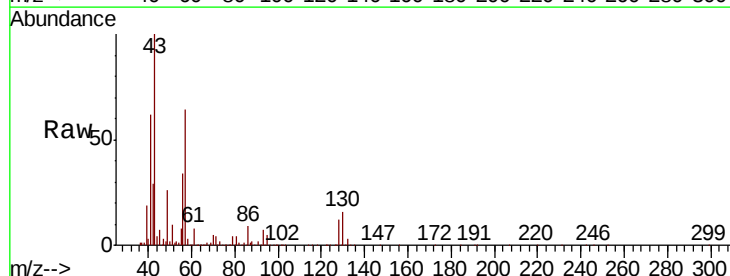
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.089 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 57 Resp: 1406943

Ion	Ratio	Lower	Upper
57	100		
41	98.4	77.2	115.8
43	210.6	173.8	260.6
56	55.7	43.8	65.6



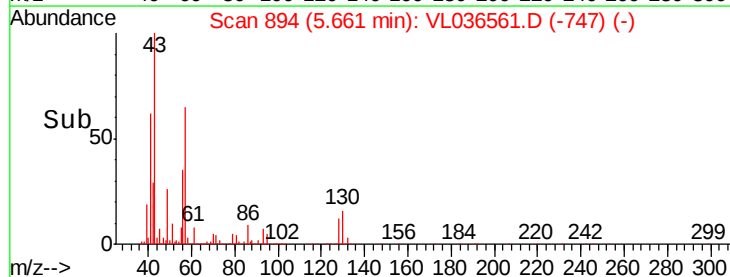
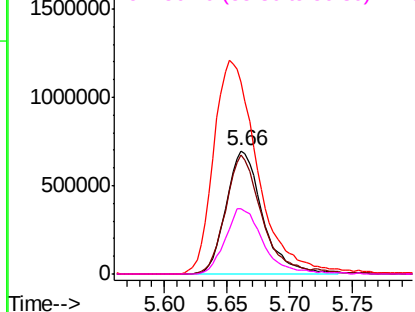
Abundance

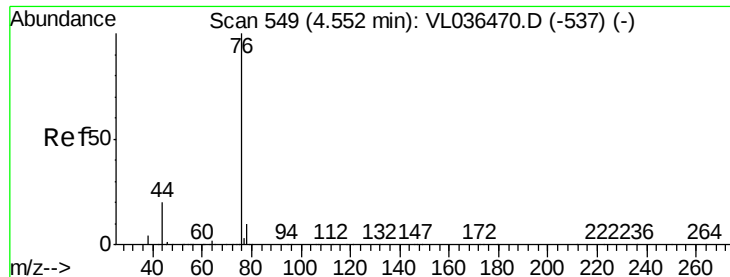
Ion 57.10 (56.80 to 57.80): VL0

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: 10.142 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

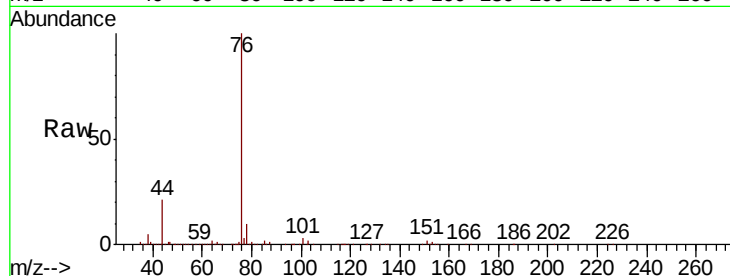
Tot Ion: 76 Resp: 1546496

Ion Ratio Lower Upper

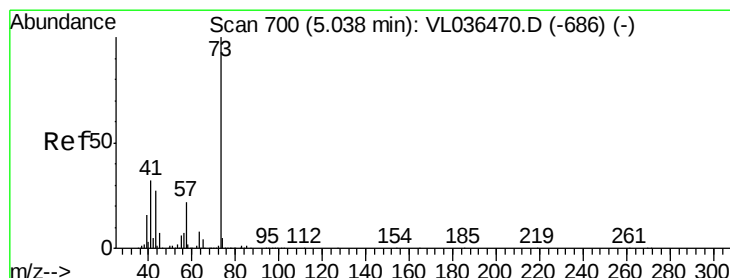
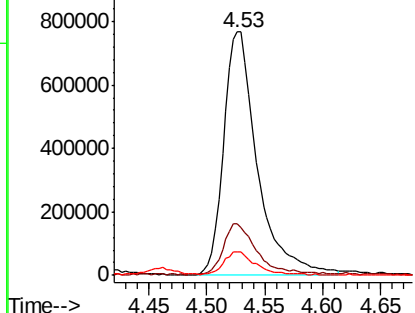
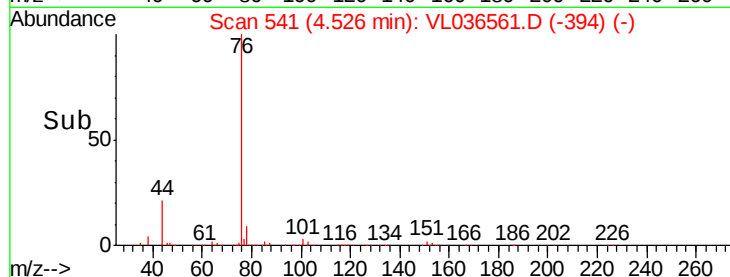
76 100

44 20.9 17.5 26.3

78 9.8 8.6 13.0



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



#28

Methyl tert-Butyl Ether

Concen: 8.170 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.03 min

Lab File: VL036561.D

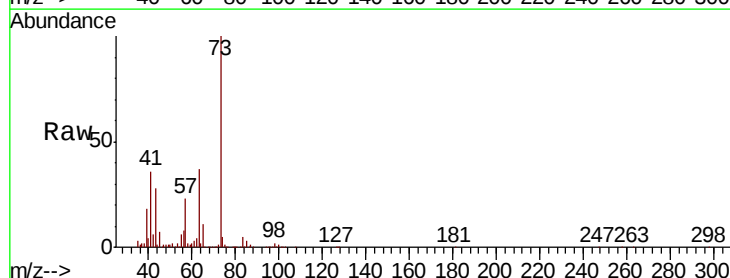
Acq: 30 Mar 2021 7:47

Tgt Ion: 73 Resp: 1491359

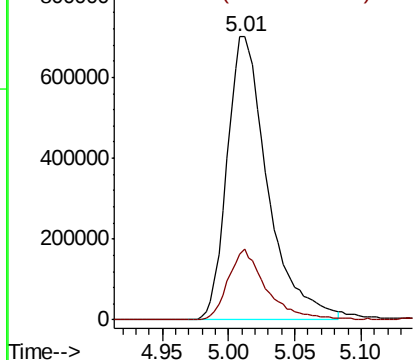
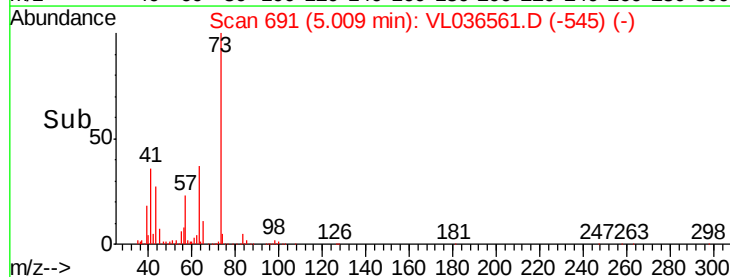
Ion Ratio Lower Upper

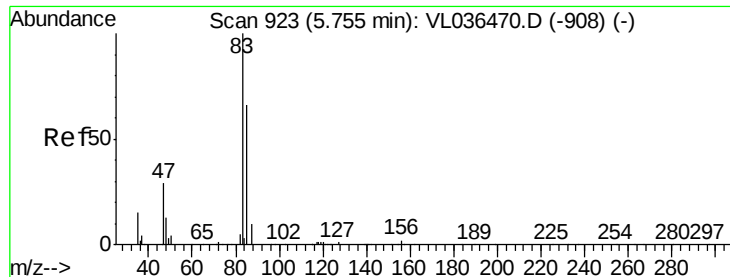
73 100

57 23.8 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.026 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

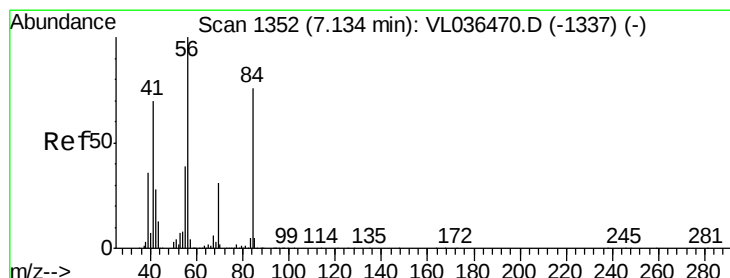
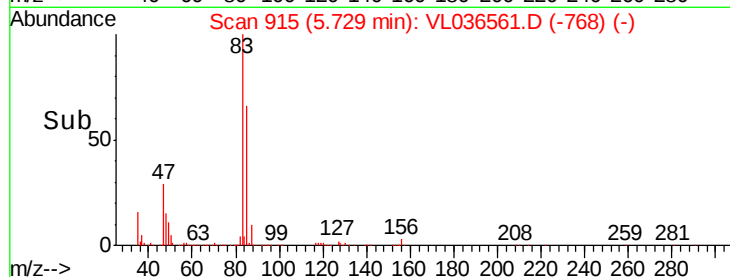
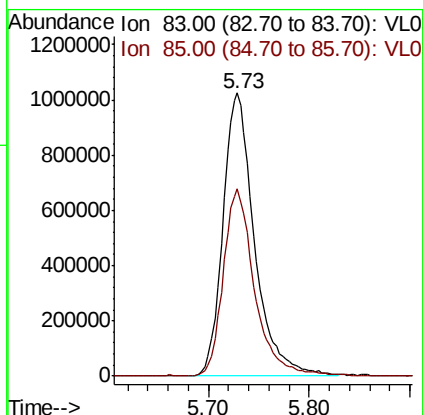
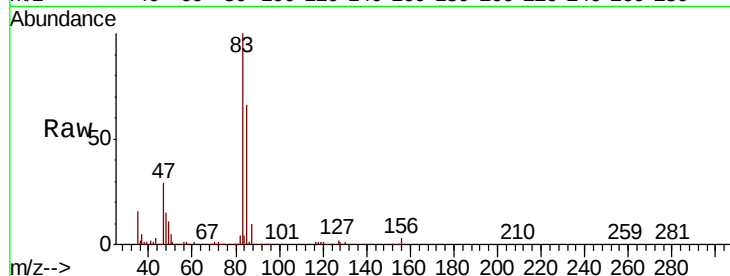
ClientSampleId :

Tot Ion: 83 Resp: 2234371

Ion Ratio Lower Upper

83 100

85 66.1 52.6 78.8



#30

Cyclohexane

Concen: 9.290 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

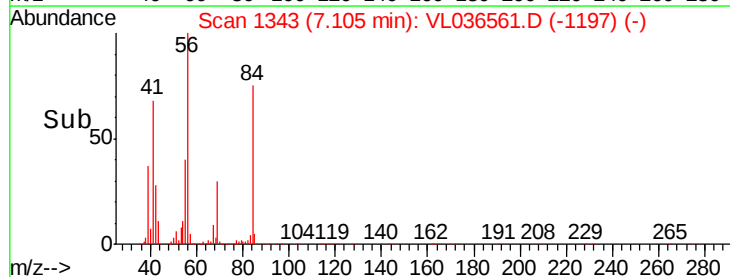
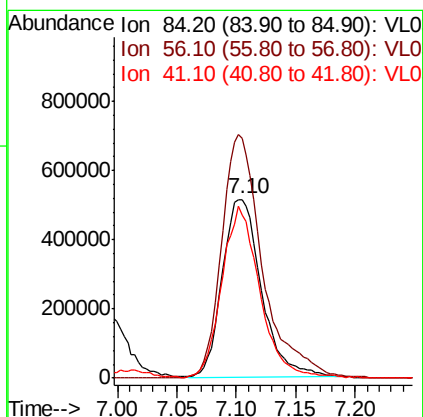
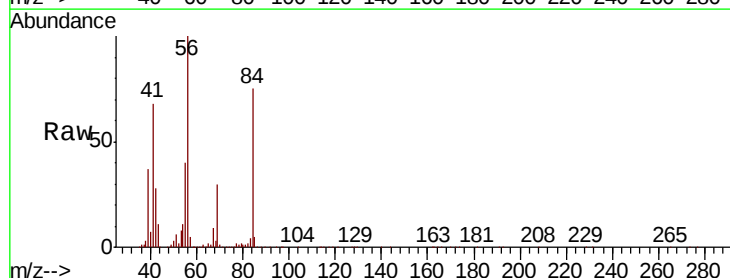
Tgt Ion: 84 Resp: 1166300

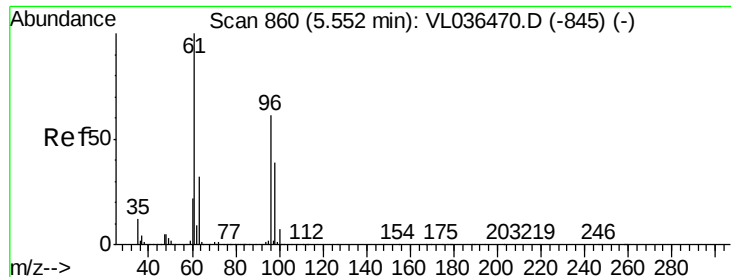
Ion Ratio Lower Upper

84 100

56 144.6 114.6 171.8

41 94.4 75.3 112.9

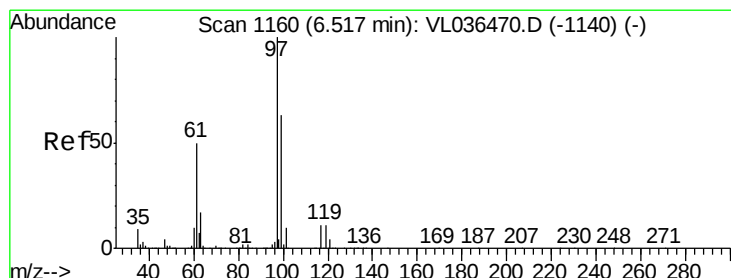
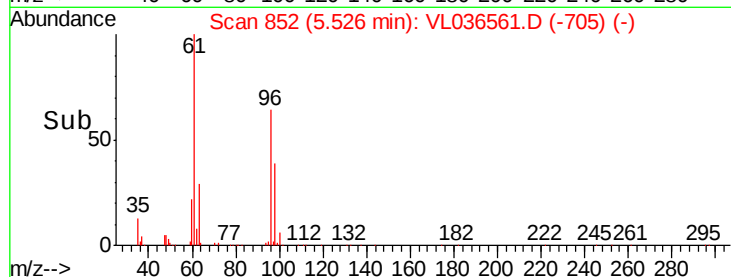
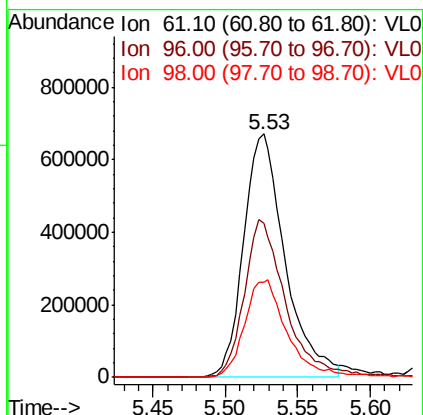
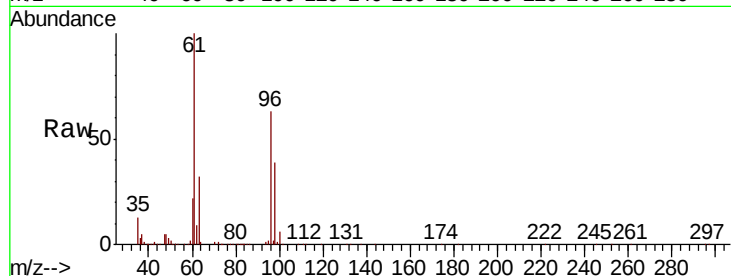




#31
 cis-1,2-Dichloroethene
 Concen: 8.899 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

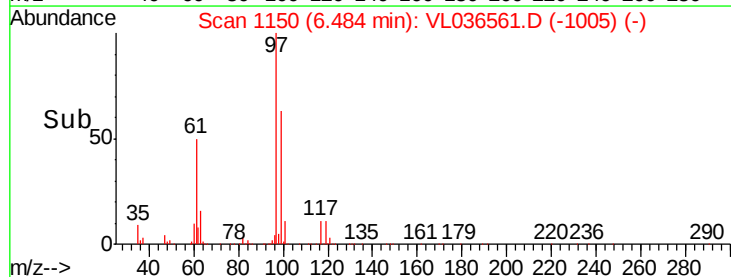
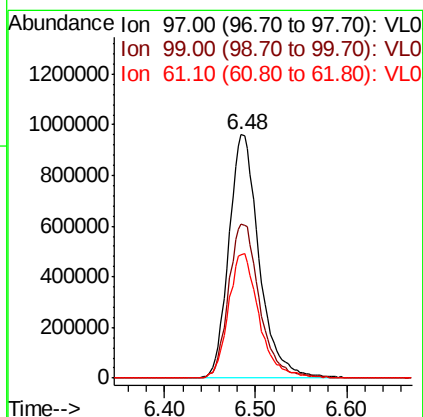
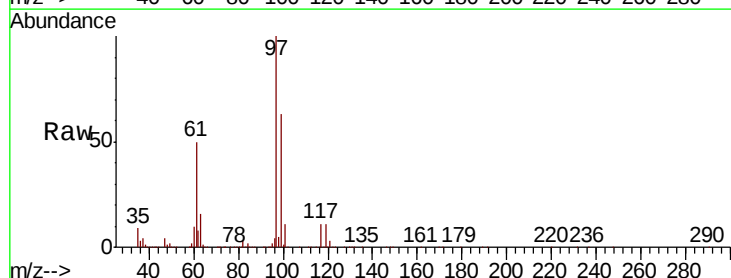
Instrument :
 MSVOA_L
 ClientSampleId :

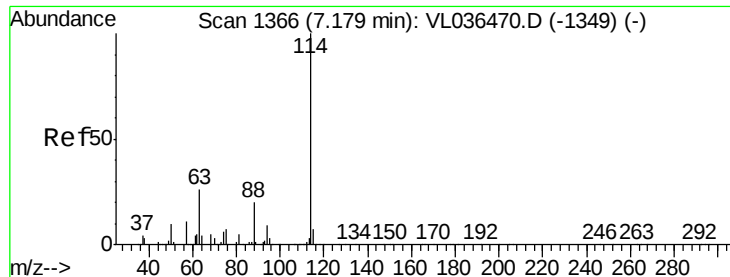
Tot Ion: 61 Resp: 1332379
 Ion Ratio Lower Upper
 61 100
 96 63.5 48.7 73.1
 98 39.0 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 8.934 ppbv
 RT: 6.48 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion: 97 Resp: 2228940
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.4 77.0
 61 52.2 40.6 60.8



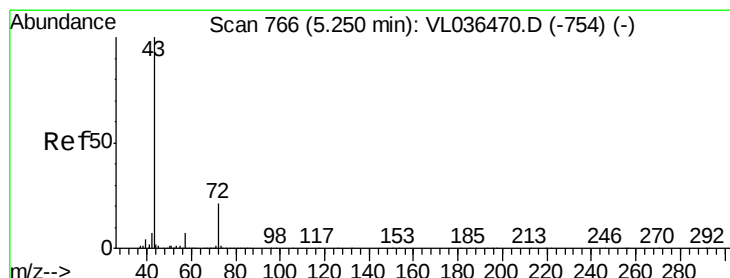
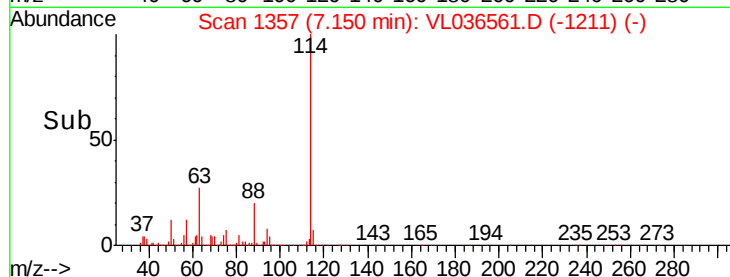
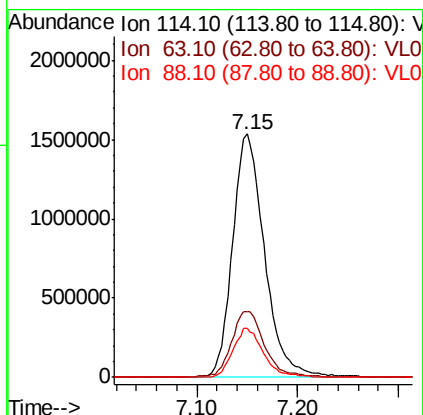
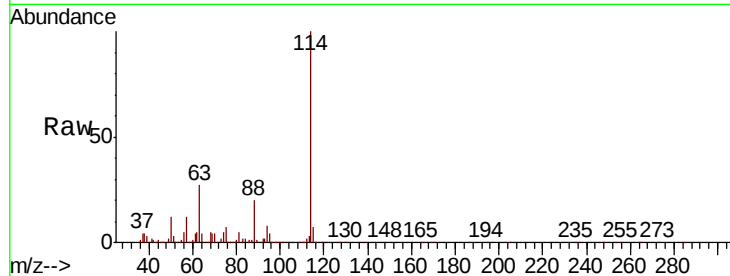


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3380801

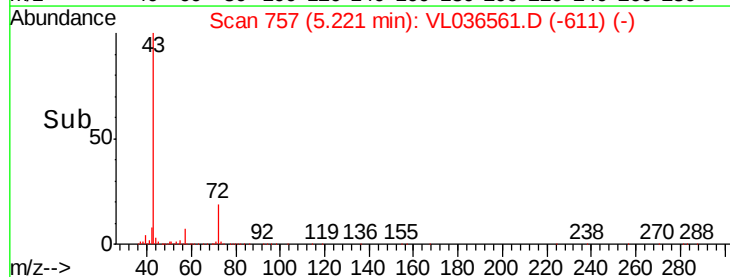
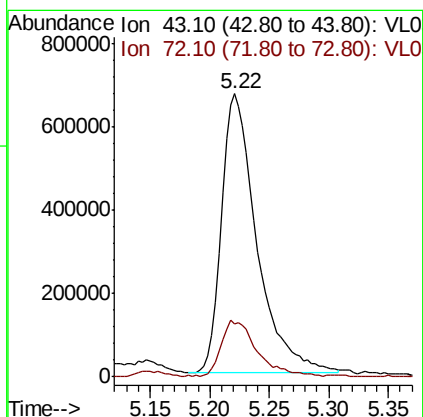
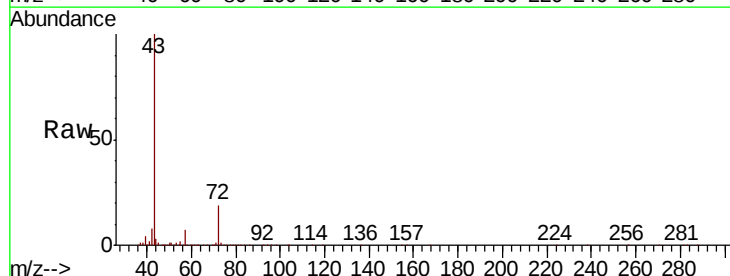
Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.5	15.4	23.0

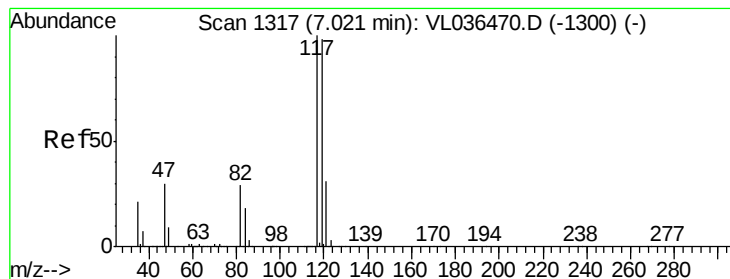


#34
 2-Butanone
 Concen: 8.384 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion: 43 Resp: 1383524

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.010 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

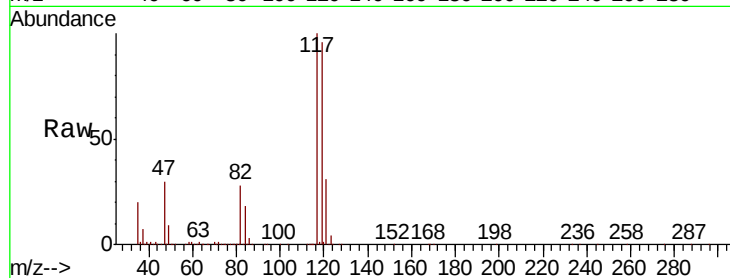
Tot Ion:117 Resp: 2339731

Ion Ratio Lower Upper

117 100

119 95.8 78.2 117.2

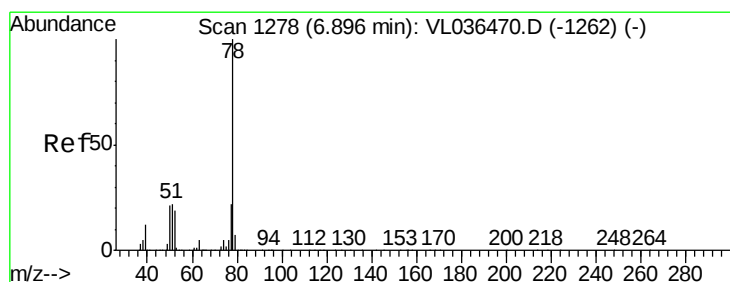
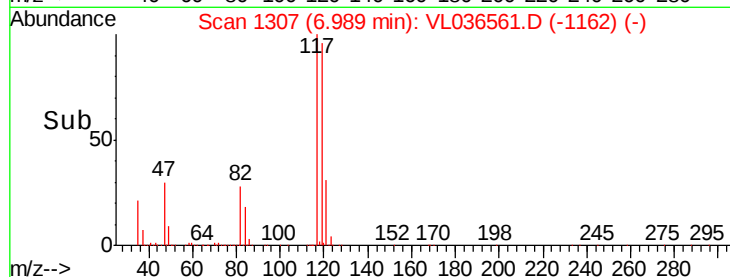
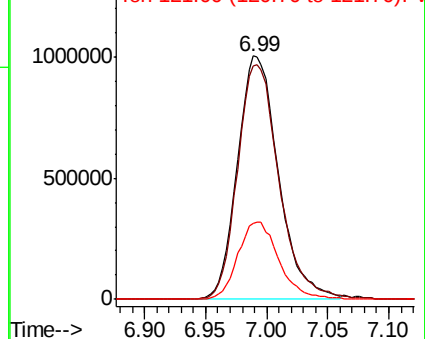
121 31.4 24.5 36.7



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: 9.196 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

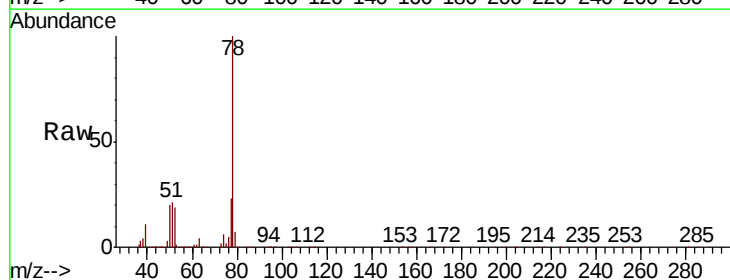
Tgt Ion: 78 Resp: 2867176

Ion Ratio Lower Upper

78 100

77 22.8 18.0 27.0

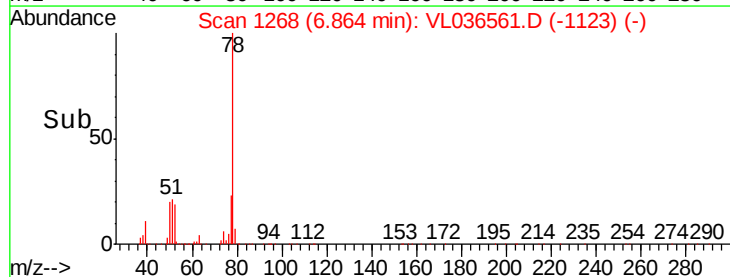
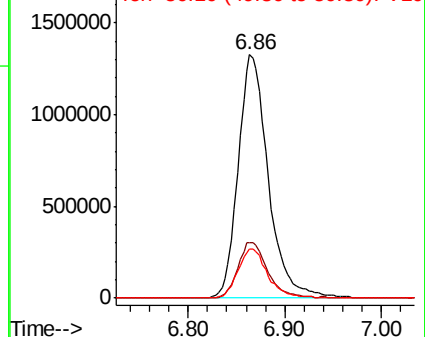
50 20.2 16.5 24.7

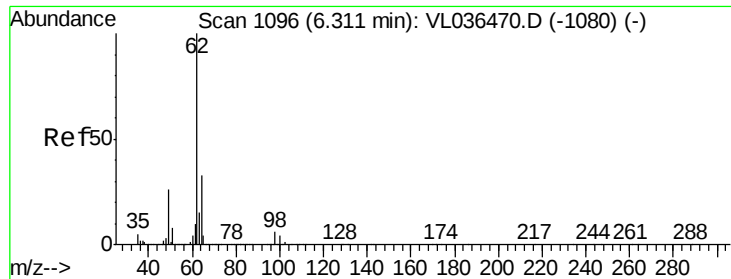


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

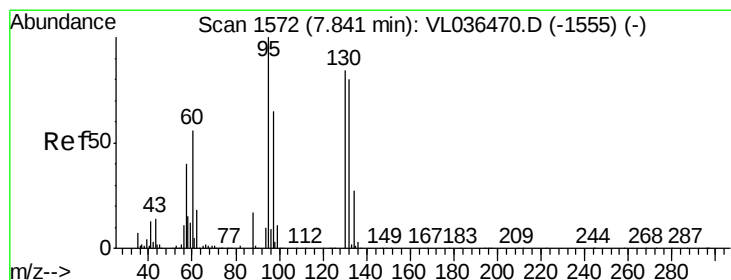
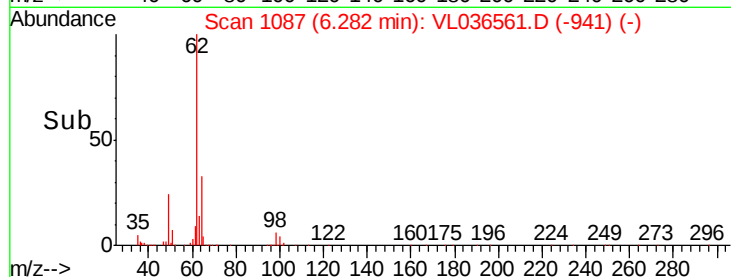
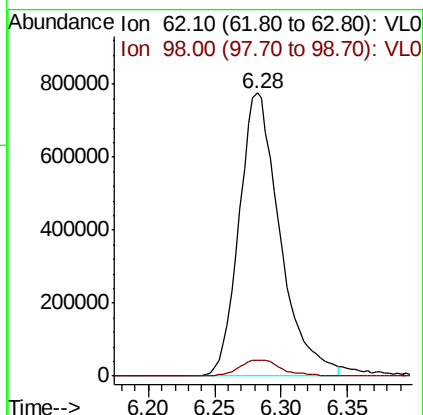
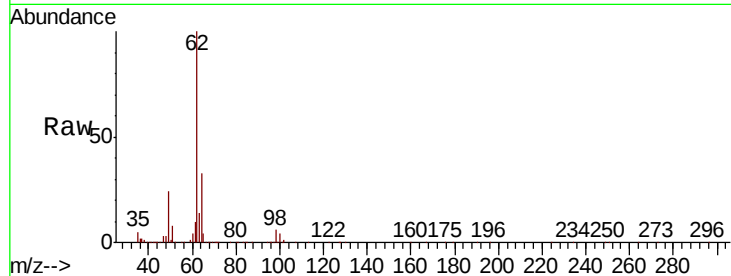




#37
 1,2-Dichloroethane
 Concen: 9.079 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

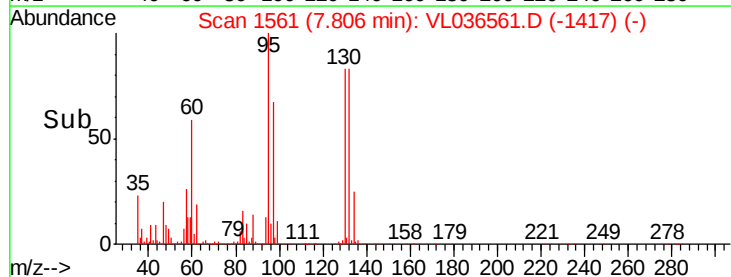
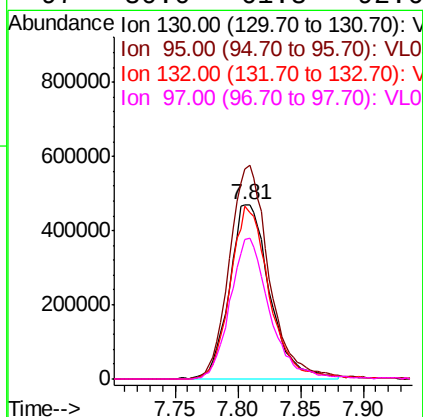
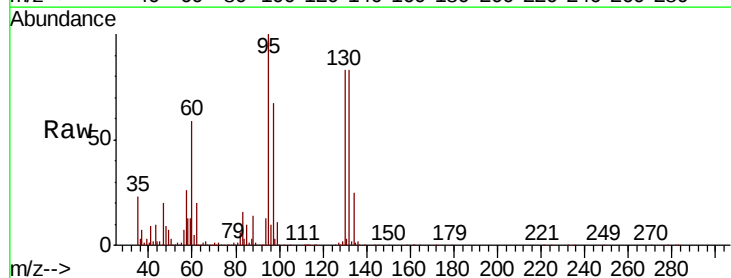
Instrument :
 MSVOA_L
 ClientSampleId :

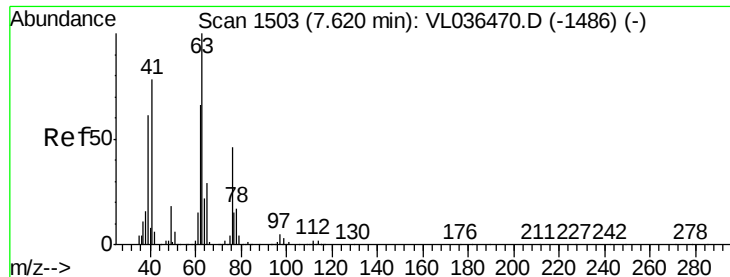
Tot Ion: 62 Resp: 1666139
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.9 7.3



#38
 Trichloroethene
 Concen: 8.640 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:130 Resp: 1048438
 Ion Ratio Lower Upper
 130 100
 95 119.9 95.7 143.5
 132 99.1 76.2 114.4
 97 80.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.116 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :

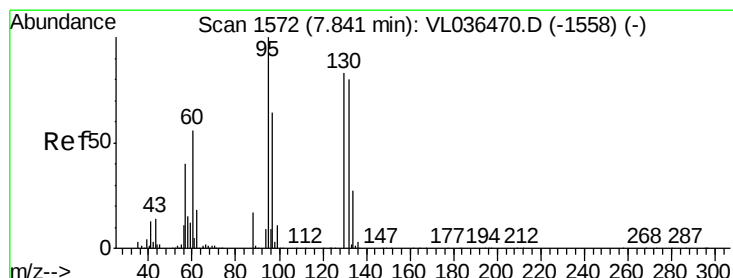
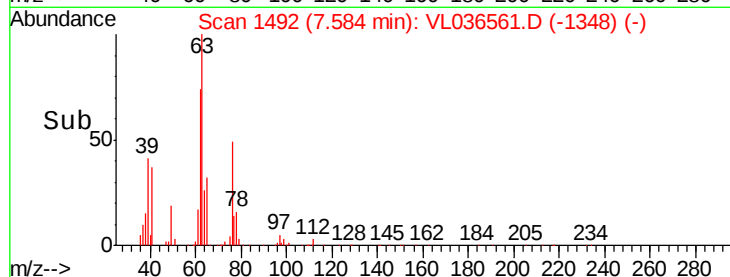
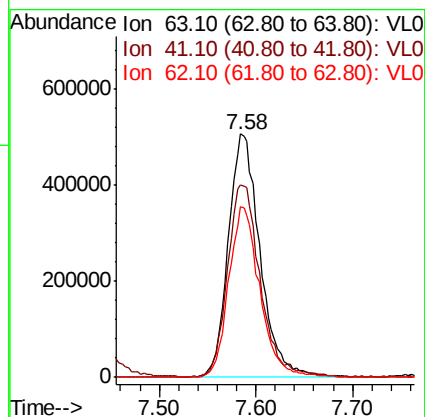
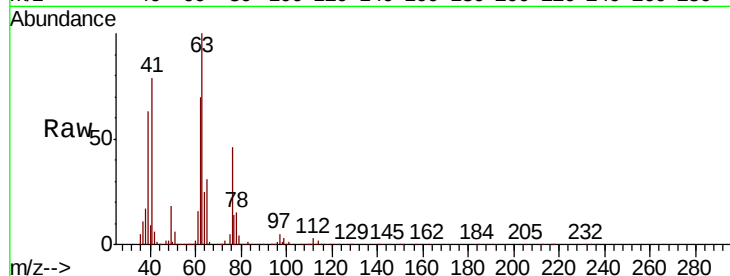
Tot Ion: 63 Resp: 1153050

Ion Ratio Lower Upper

63 100

41 78.6 62.4 93.6

62 70.0 52.8 79.2



#40

1,4-Dioxane

Concen: 1.528 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion: 88 Resp: 44981

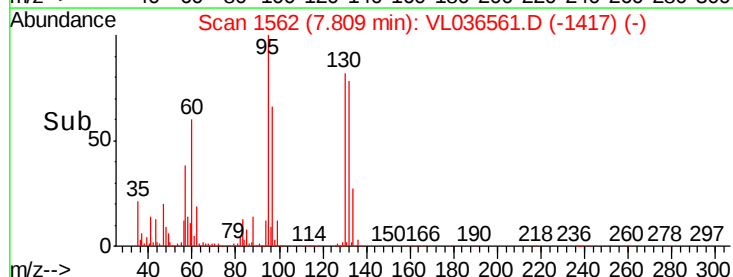
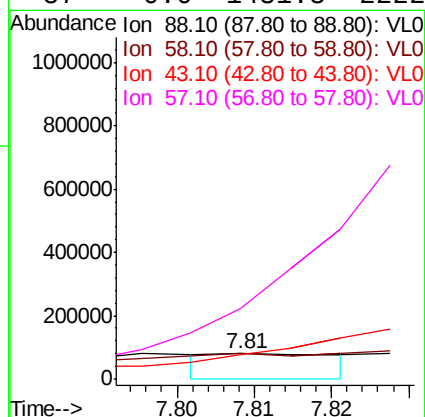
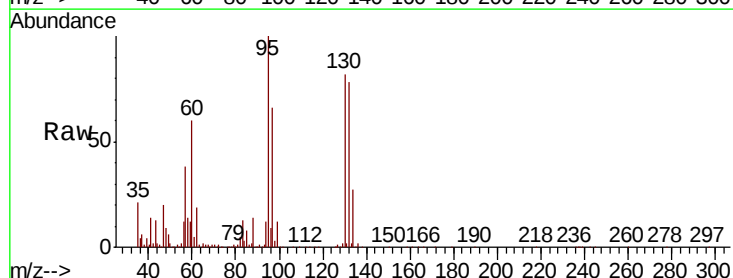
Ion Ratio Lower Upper

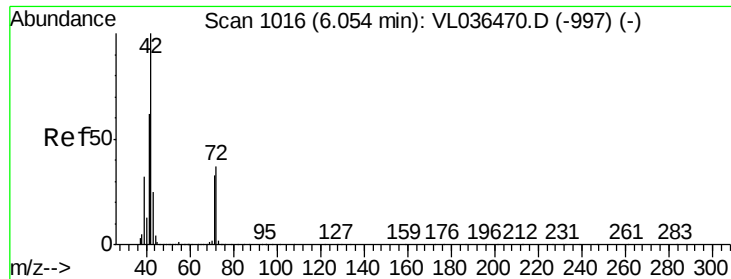
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

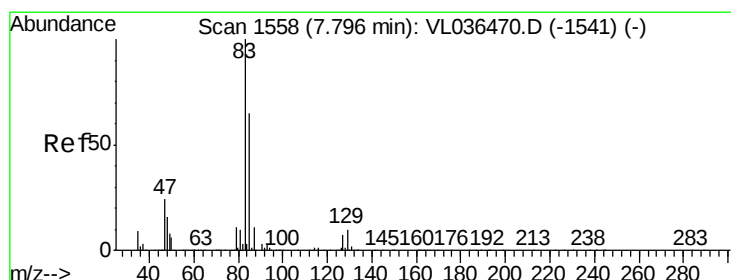
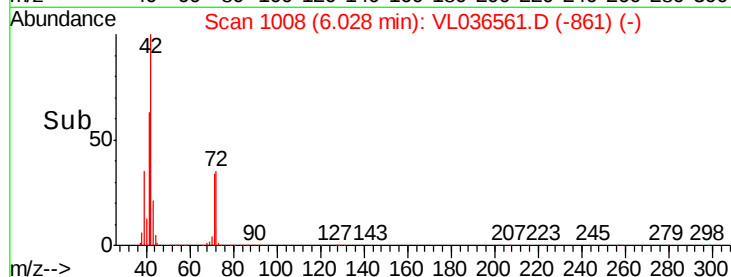
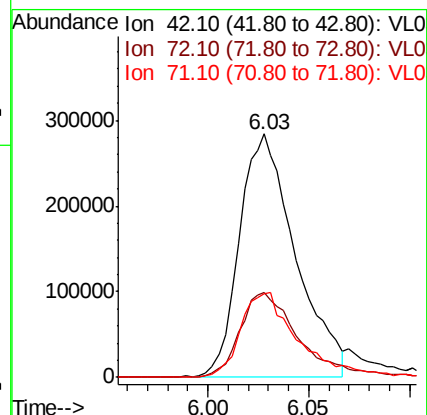
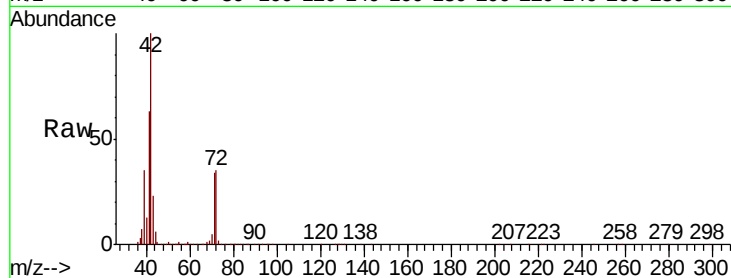




#41
Tetrahydrofuran
Concen: 7.226 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

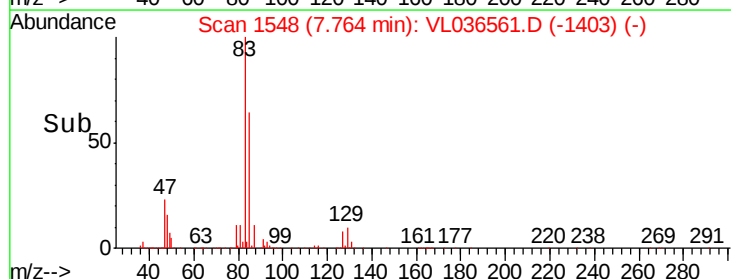
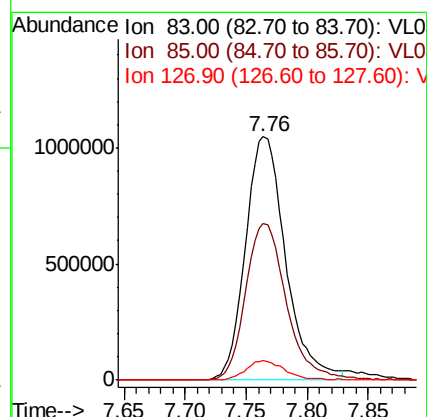
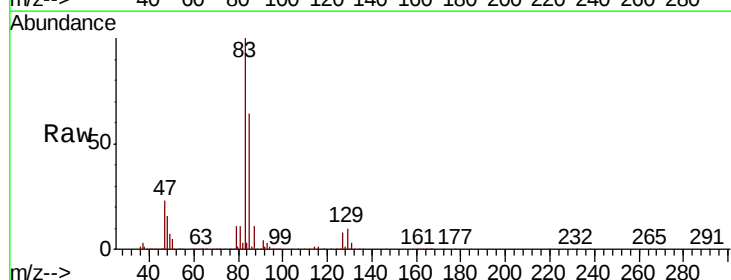
Instrument :
MSVOA_L
ClientSampleId :

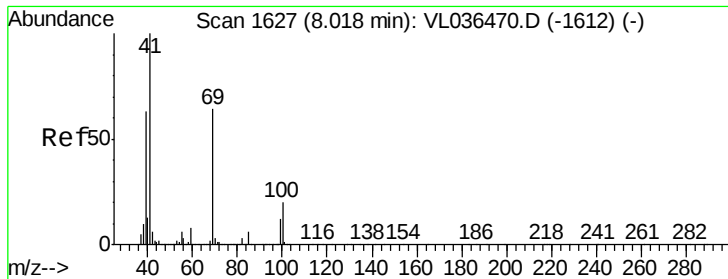
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	27.6	41.4
71	36.7	27.0	40.4



#42
Bromodichloromethane
Concen: 9.534 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6
127	8.0	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.470 ppbv

RT: 7.99 min Scan# 1618

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampled :

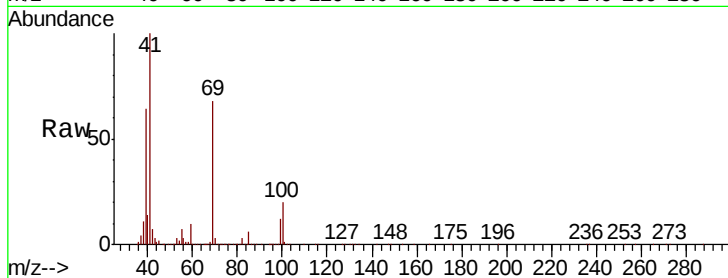
Tot Ion: 69 Resp: 1096258

Ion Ratio Lower Upper

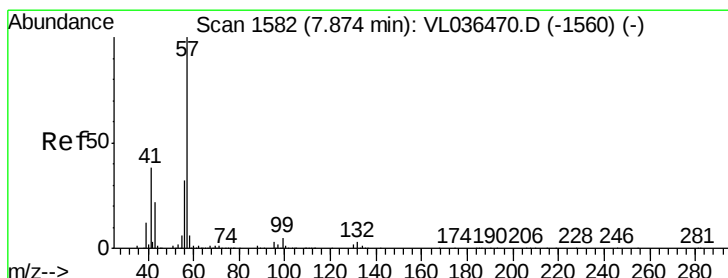
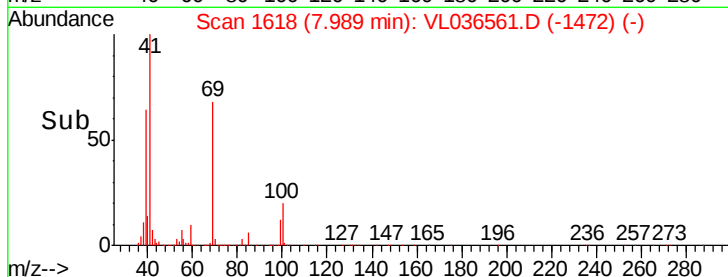
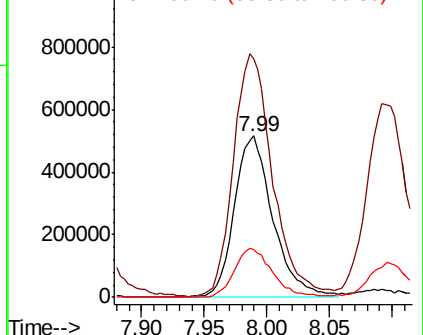
69 100

41 153.8 126.8 190.2

100 30.1 24.9 37.3



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: 8.986 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

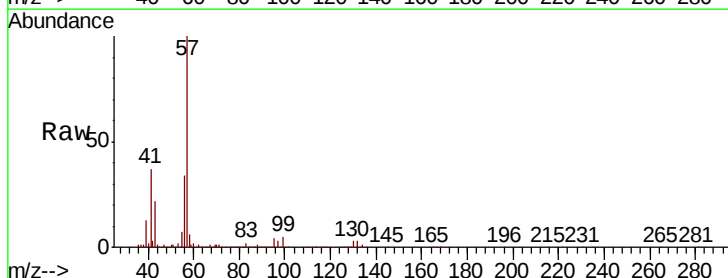
Tgt Ion: 57 Resp: 4931335

Ion Ratio Lower Upper

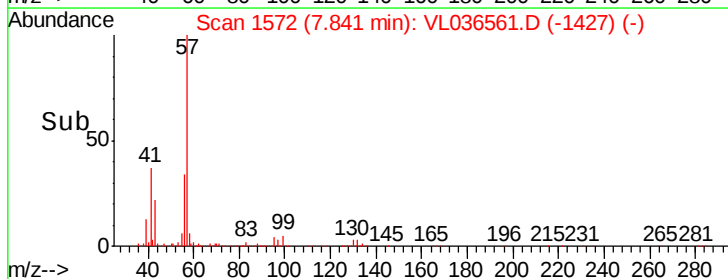
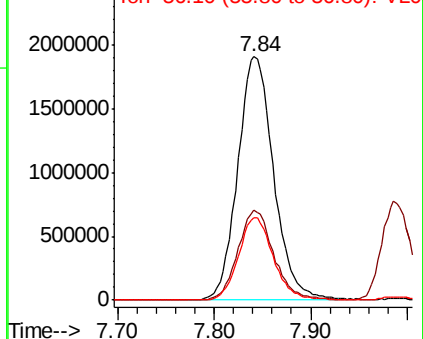
57 100

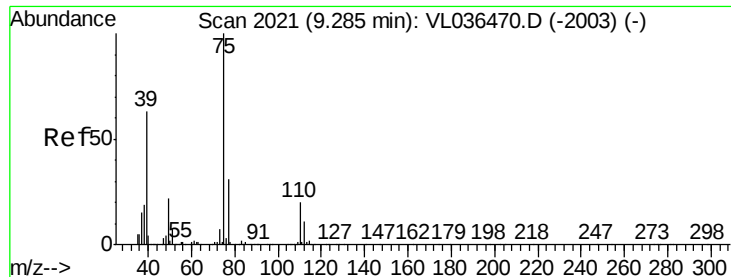
41 36.5 28.8 43.2

56 33.0 26.1 39.1



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

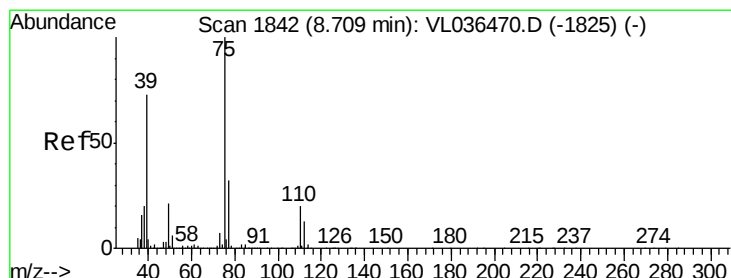
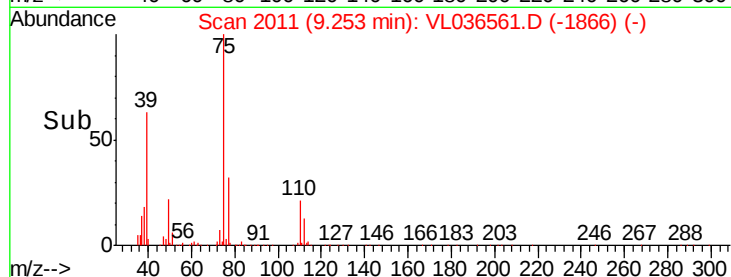
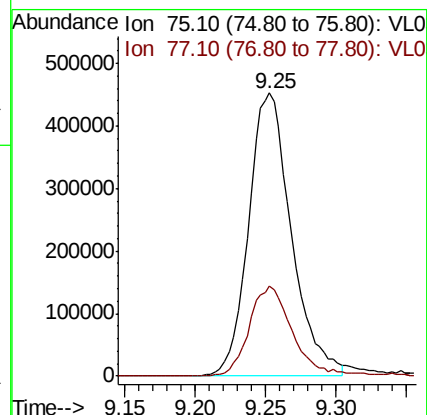
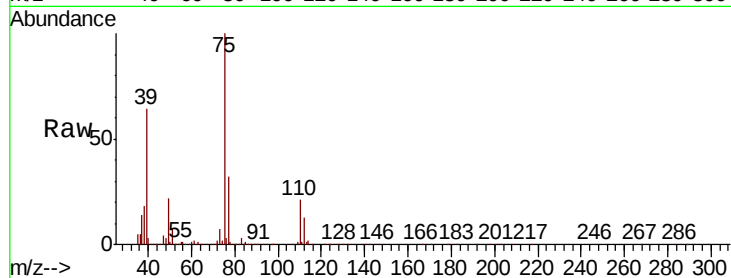




#45
t-1,3-Dichloropropene
Concen: 8.044 ppbv
RT: 9.25 min Scan# 2011
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

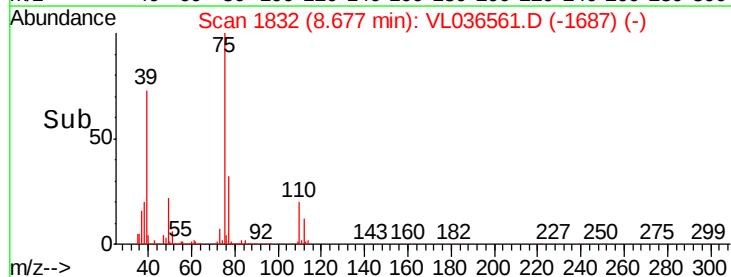
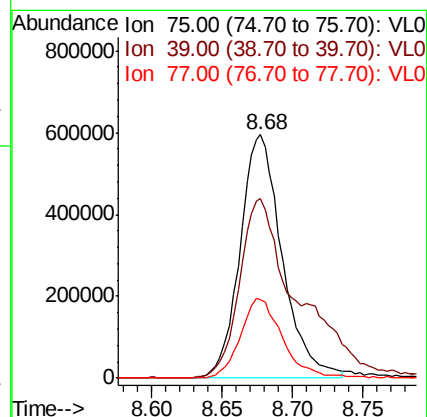
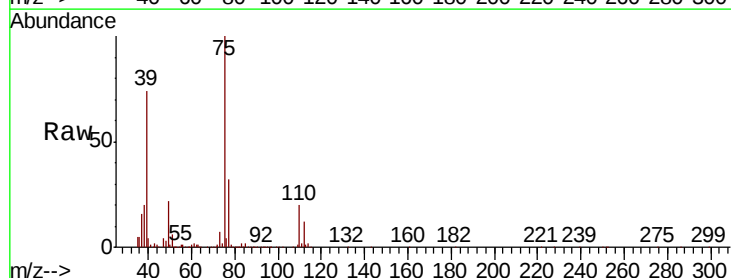
Instrument :
MSVOA_L
ClientSampled :

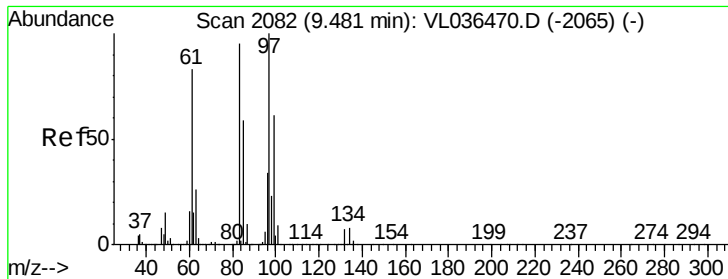
Tot Ion: 75 Resp: 961689
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 8.135 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 75 Resp: 1243257
Ion Ratio Lower Upper
75 100
39 73.6 58.2 87.2
77 32.0 25.2 37.8



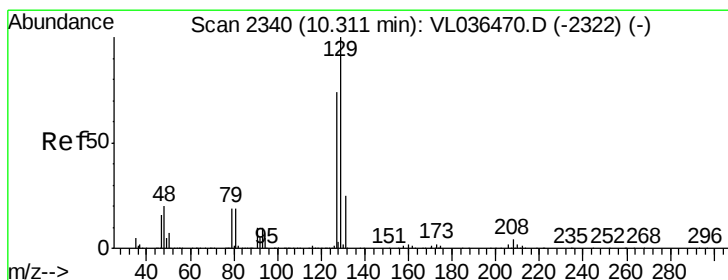
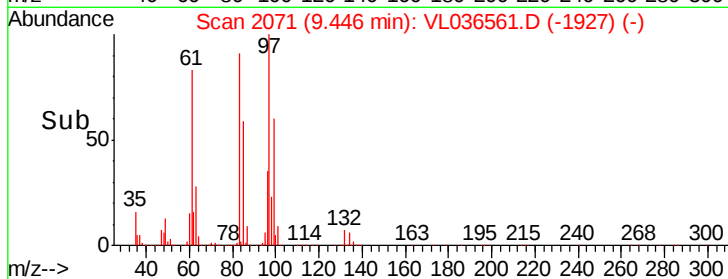
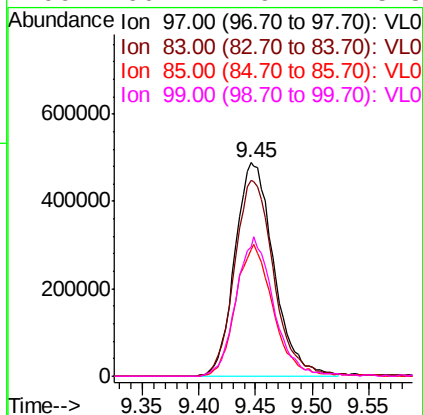
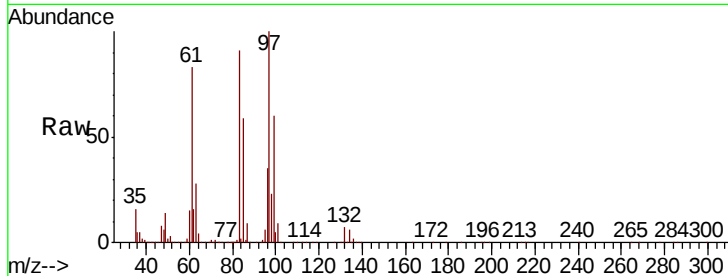


#47
 1,1,2-Trichloroethane
 Concen: 9.131 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1169758

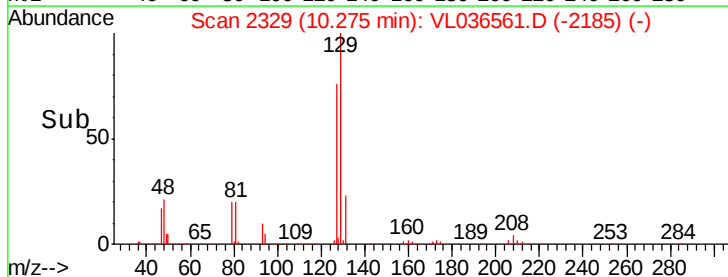
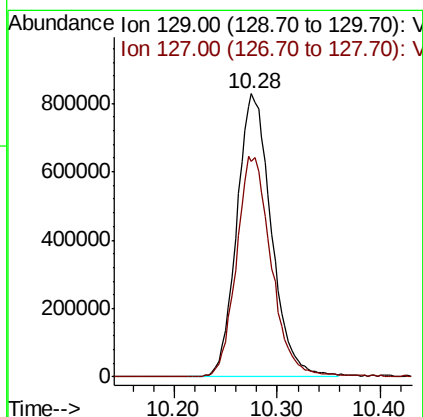
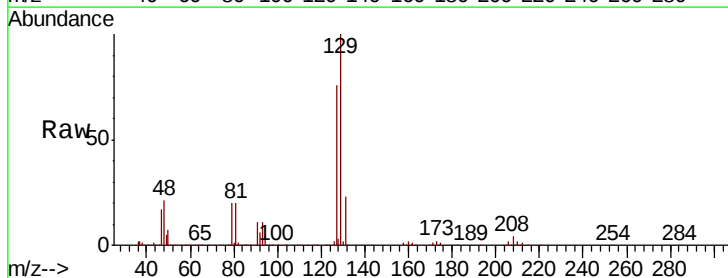
Ion	Ratio	Lower	Upper
97	100		
83	91.3	75.8	113.8
85	59.3	47.1	70.7
99	60.4	49.2	73.8

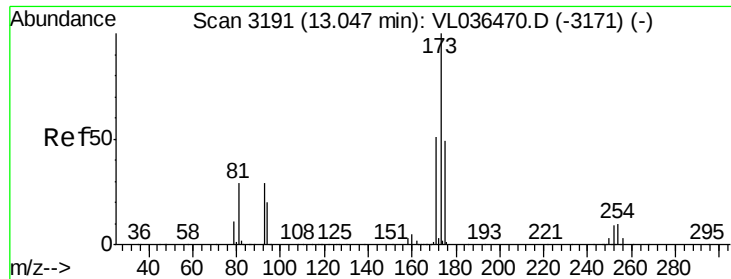


#48
 Dibromochloromethane
 Concen: 9.882 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion: 129 Resp: 1929918

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 10.072 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampled :

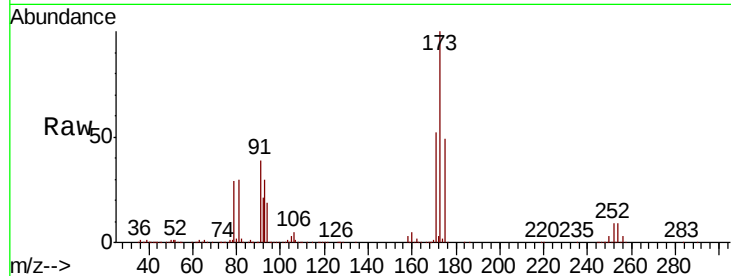
Tot Ion:173 Resp: 1584863

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

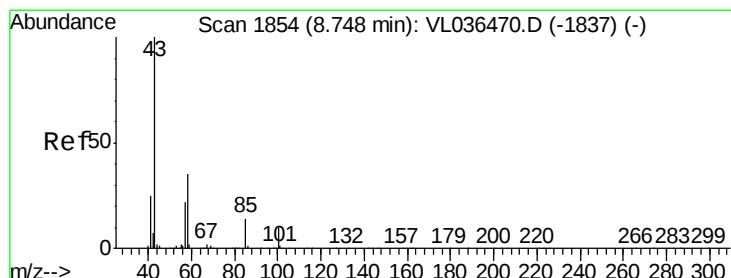
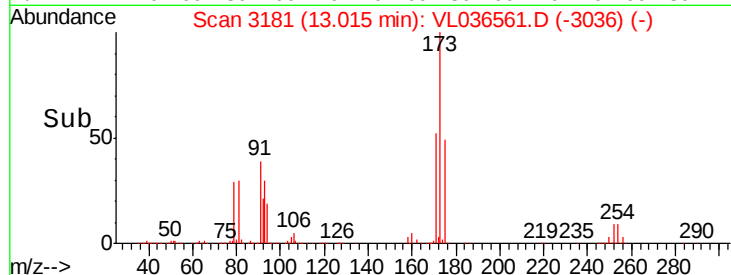
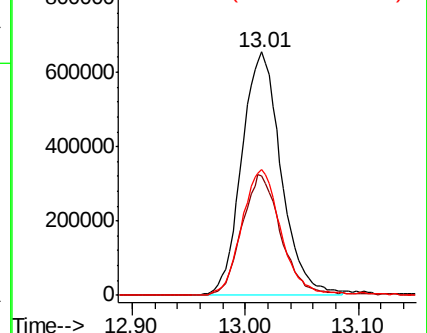
171 52.3 41.4 62.0



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: 8.867 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.03 min

Lab File: VL036561.D

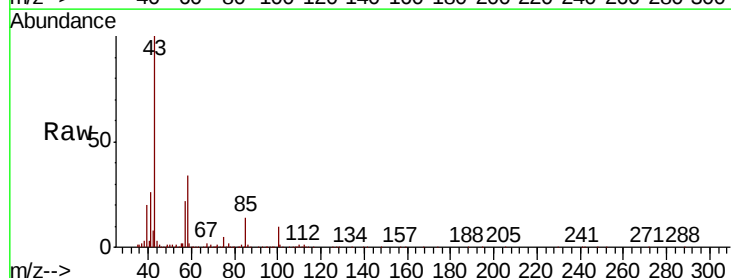
Acq: 30 Mar 2021 7:47

Tgt Ion: 43 Resp: 2117231

Ion Ratio Lower Upper

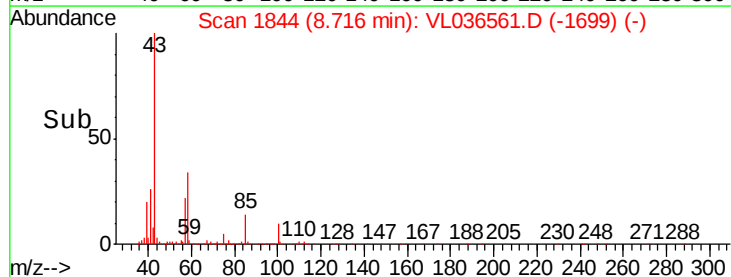
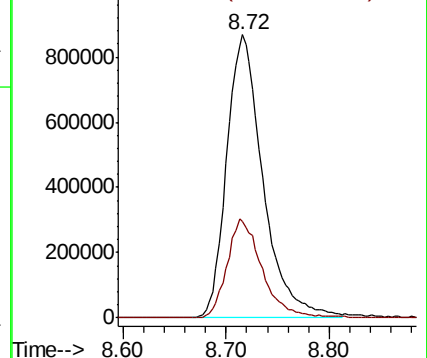
43 100

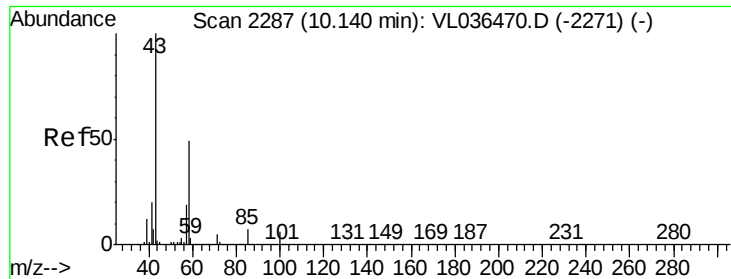
58 34.2 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

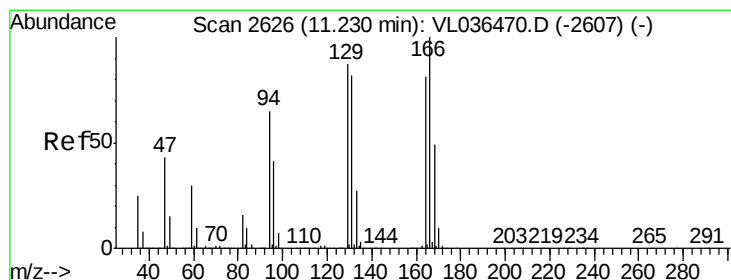
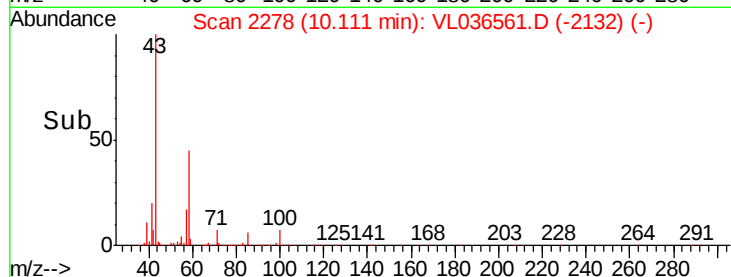
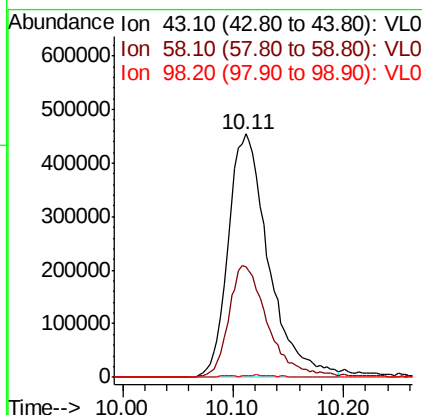
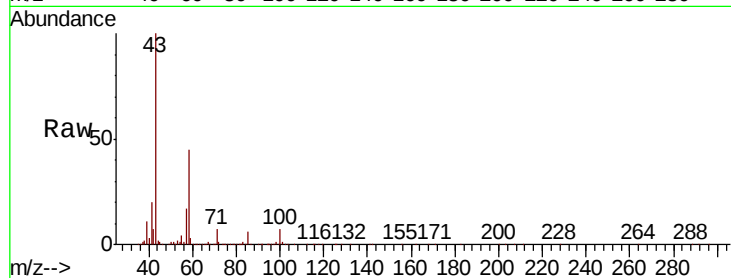




#51
2-Hexanone
Concen: 9.530 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

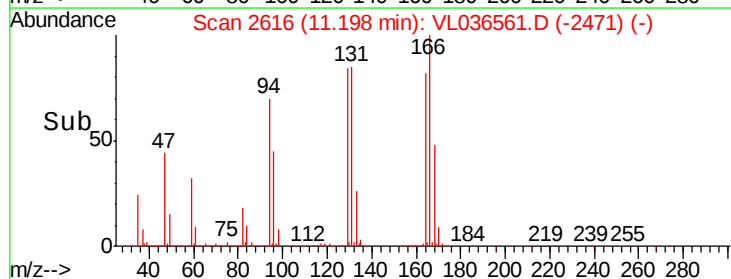
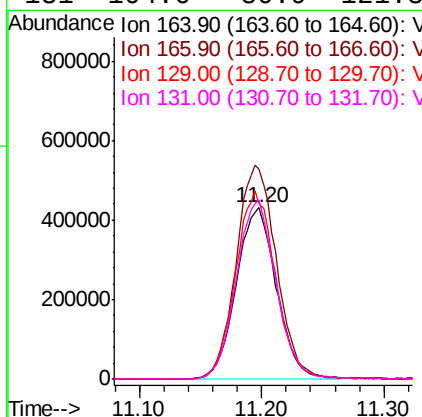
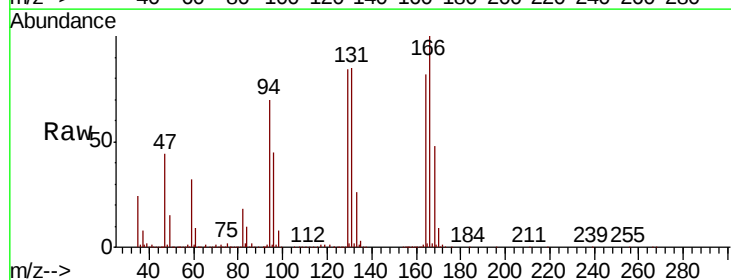
Instrument :
MSVOA_L
ClientSampleId :

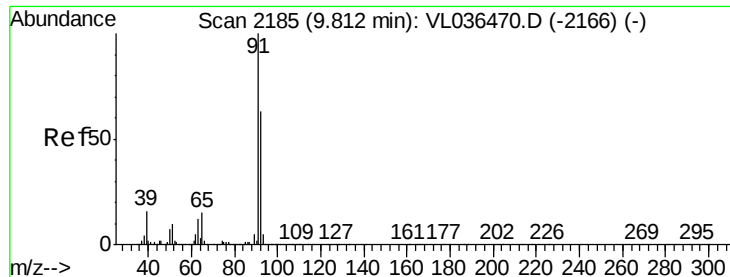
Tot Ion: 43 Resp: 1148360
Ion Ratio Lower Upper
43 100
58 45.6 37.7 56.5
98 1.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.488 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 164 Resp: 974526
Ion Ratio Lower Upper
164 100
166 122.5 98.3 147.5
129 102.5 85.8 128.8
131 104.6 80.9 121.3





#53

Toluene

Concen: 9.662 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

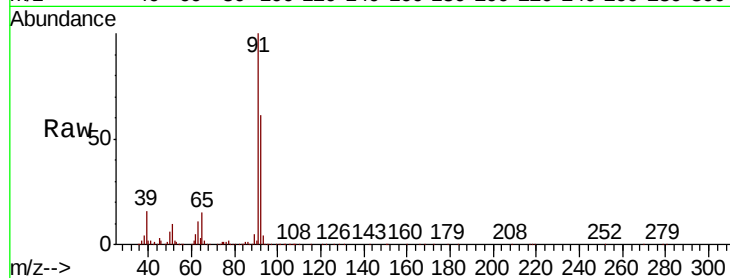
ClientSampleId :

Tot Ion: 91 Resp: 3208059

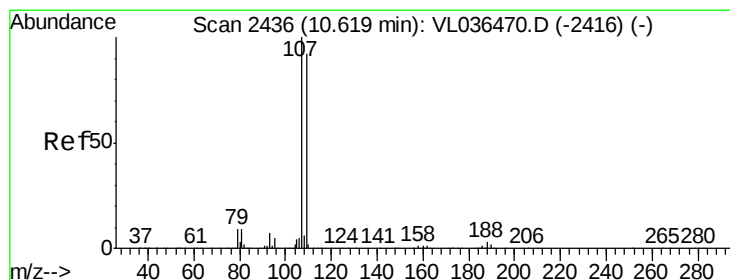
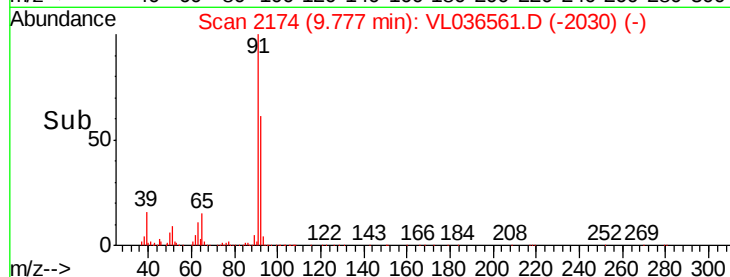
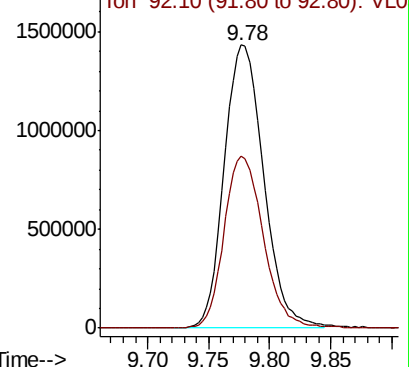
Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.272 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL036561.D

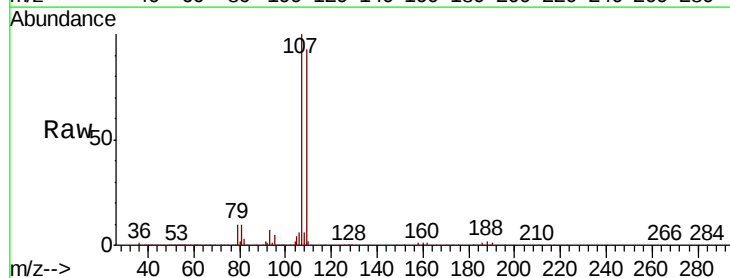
Acq: 30 Mar 2021 7:47

Tgt Ion: 107 Resp: 1677527

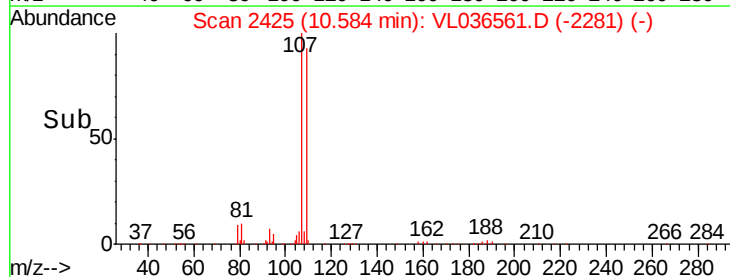
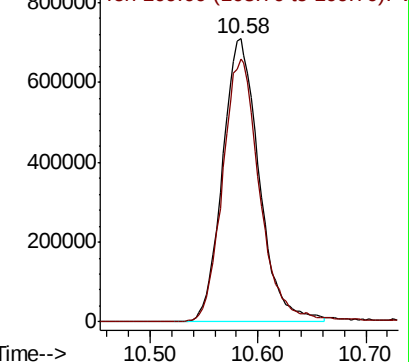
Ion Ratio Lower Upper

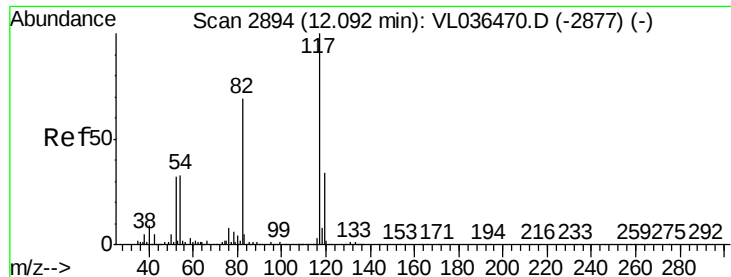
107 100

109 92.8 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

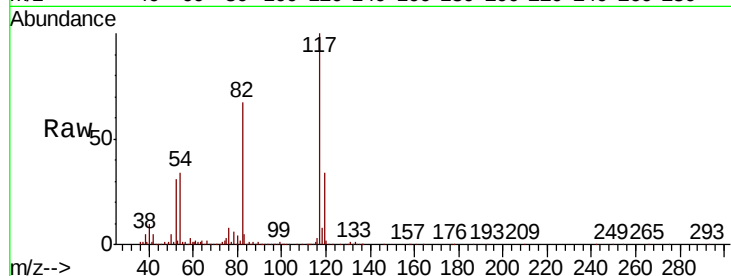
Tot Ion:117 Resp: 3924967

Ion Ratio Lower Upper

117 100

82 56.6 57.4 86.0#

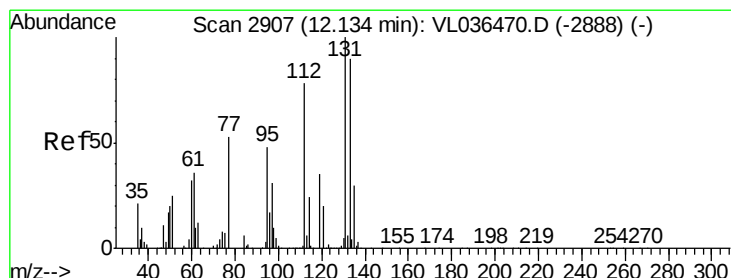
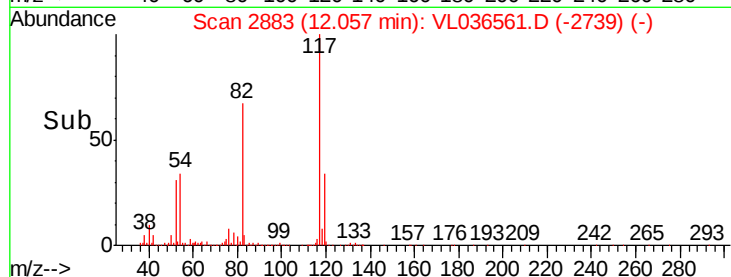
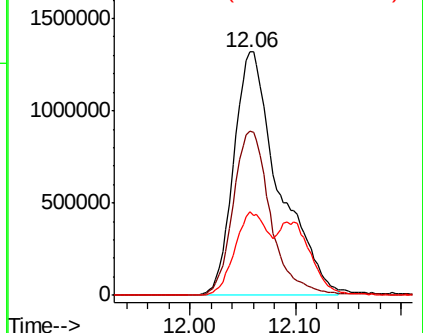
119 48.1 47.4 71.0



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



#56

1,1,1,2-Tetrachloroethane

Concen: 4.058 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

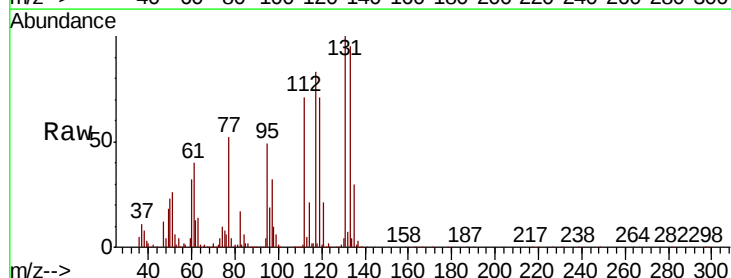
Tgt Ion:131 Resp: 720472

Ion Ratio Lower Upper

131 100

133 180.3 75.8 113.6#

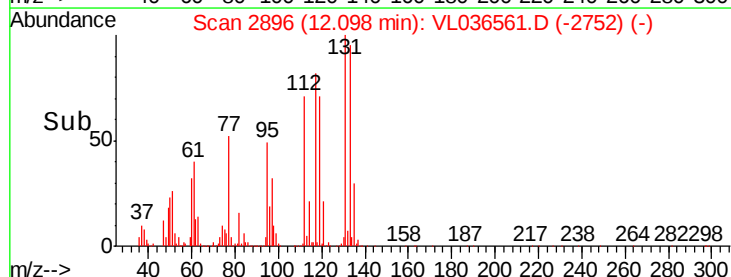
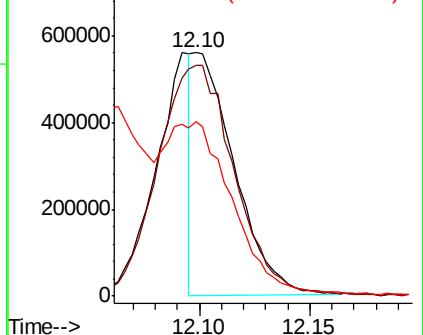
119 111.2 48.7 73.1#

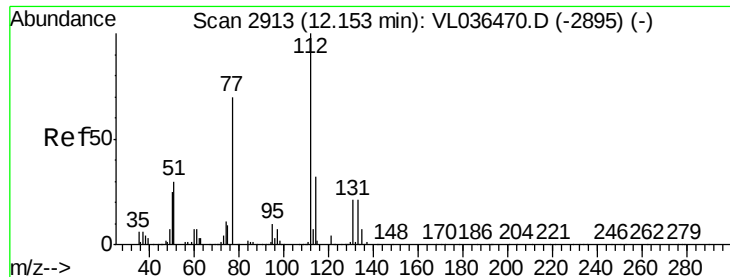


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

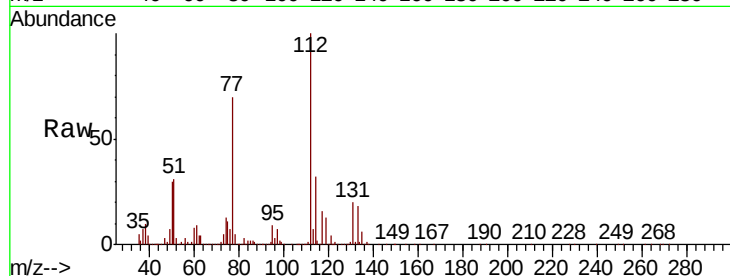




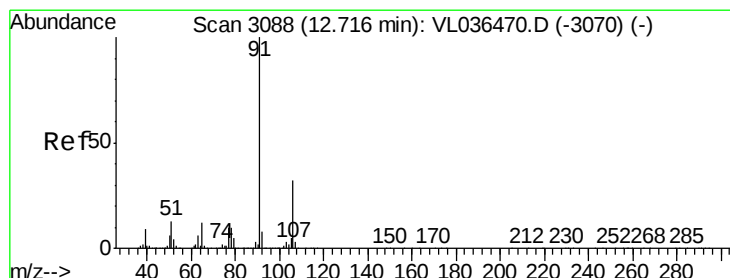
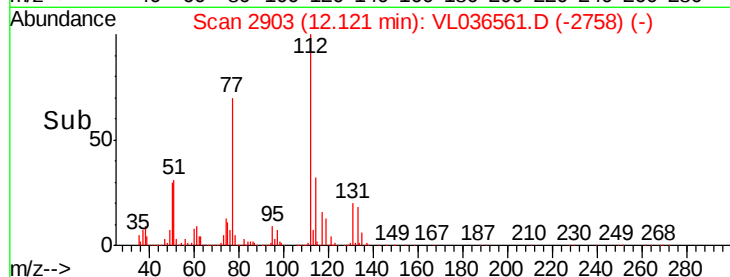
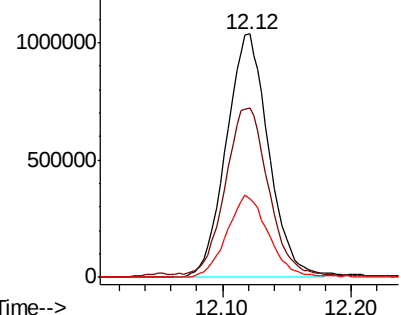
#57
Chlorobenzene
Concen: 7.098 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2370342
Ion Ratio Lower Upper
112 100
77 68.8 56.0 84.0
114 32.3 29.0 35.4

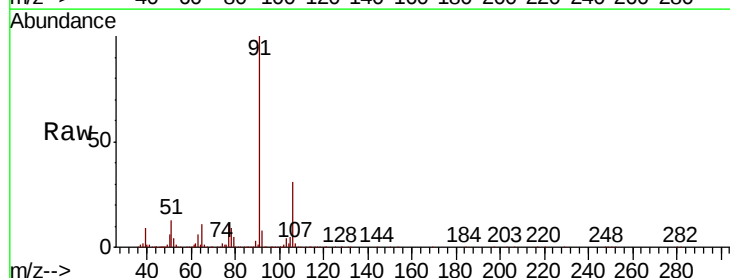


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

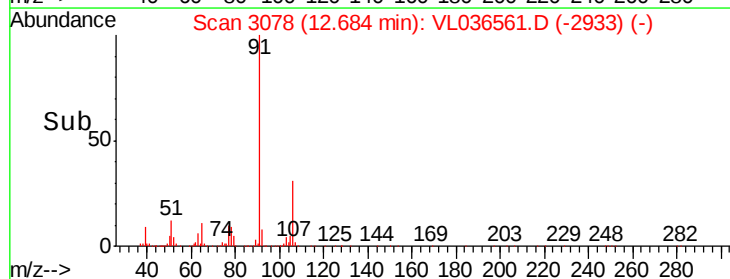
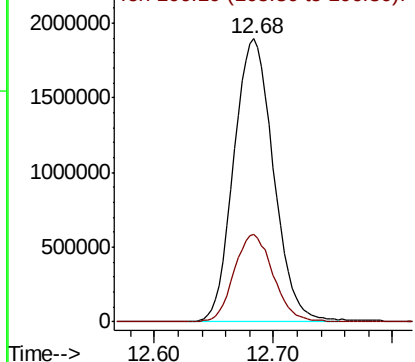


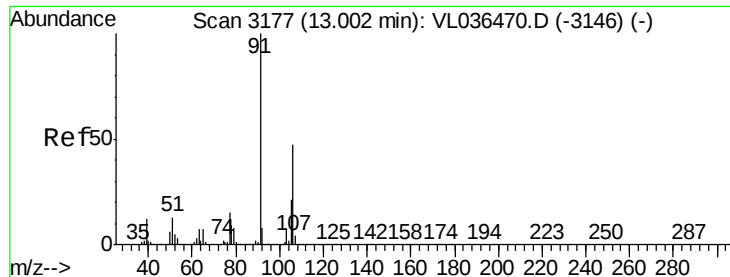
#58
Ethyl Benzene
Concen: 7.658 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.03 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 91 Resp: 4372821
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

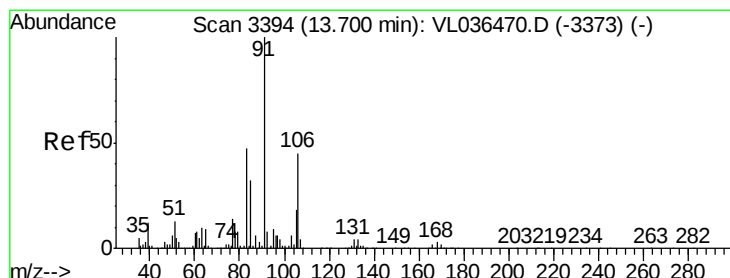
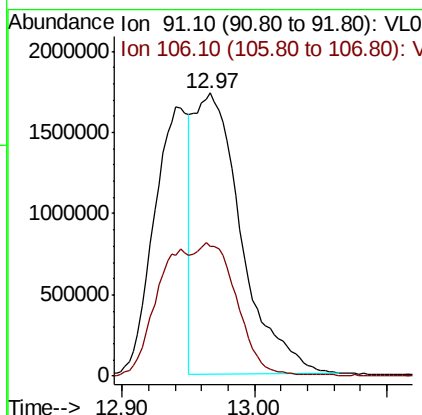
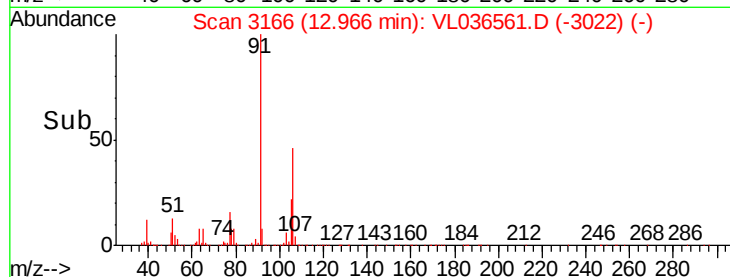
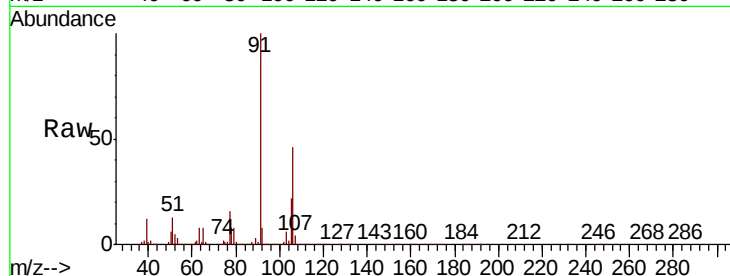




#59
m/p-Xylene
Concen: 8.634 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

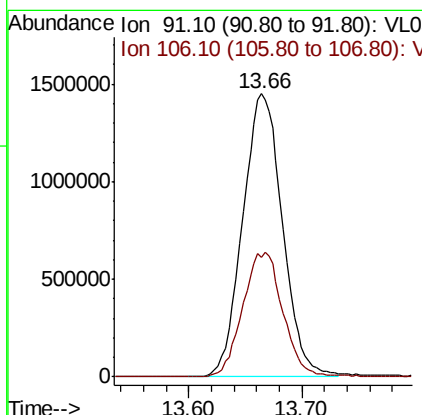
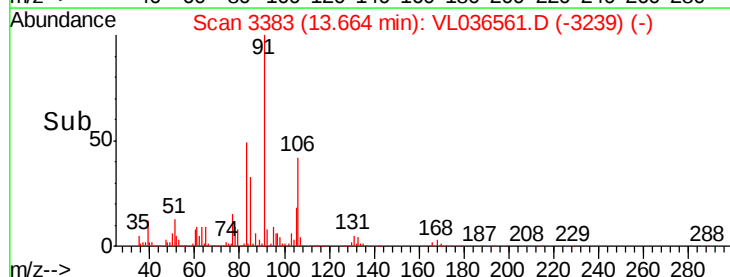
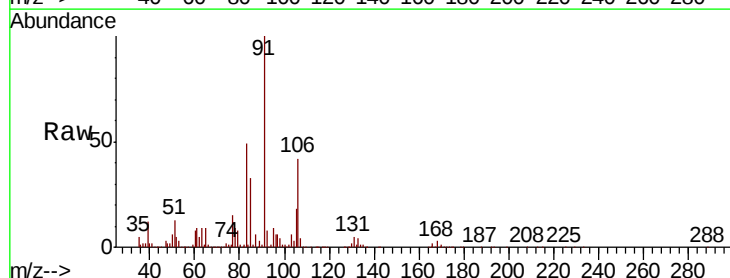
Instrument :
MSVOA_L
ClientSampleId :

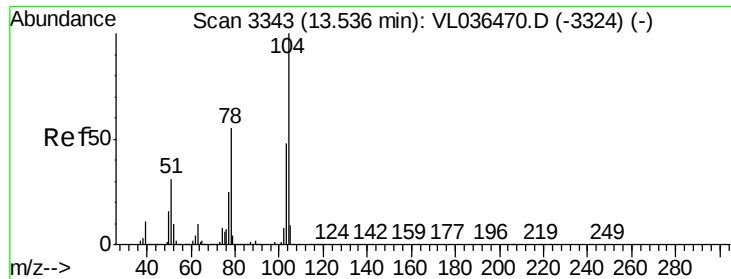
Tot Ion: 91 Resp: 4300053
Ion Ratio Lower Upper
91 100
106 75.7 35.3 52.9#



#60
o-Xylene
Concen: 7.345 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL036561.D
Acq: 30 Mar 2021 7:47

Tgt Ion: 91 Resp: 3537272
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





#61

Stvrene

Concen: 7.823 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

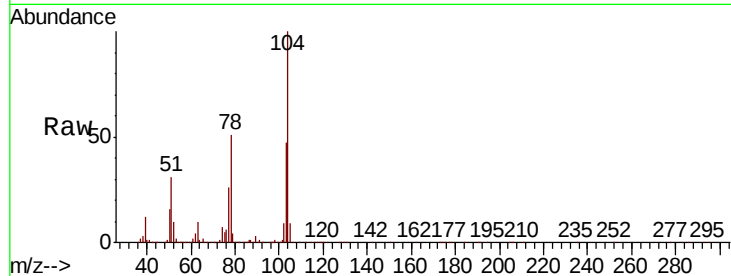
Tot Ion:104 Resp: 1895455

Ion Ratio Lower Upper

104 100

78 54.4 43.8 65.8

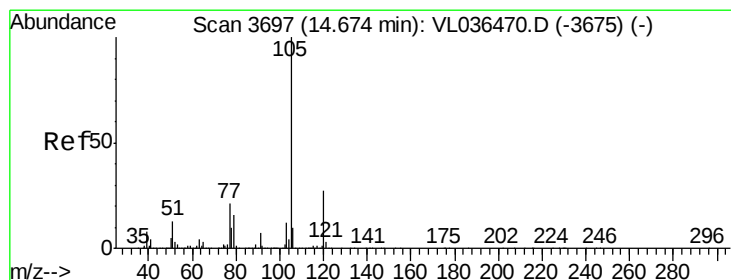
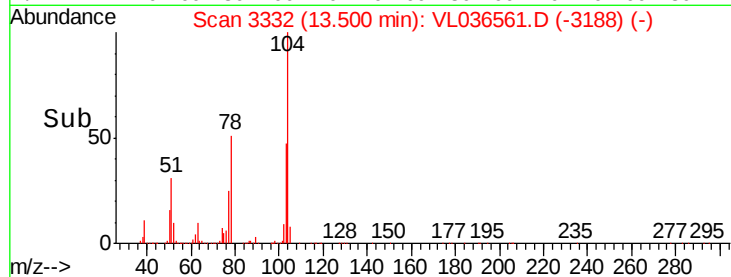
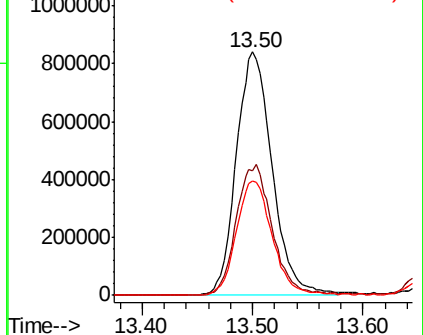
103 47.1 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.487 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.03 min

Lab File: VL036561.D

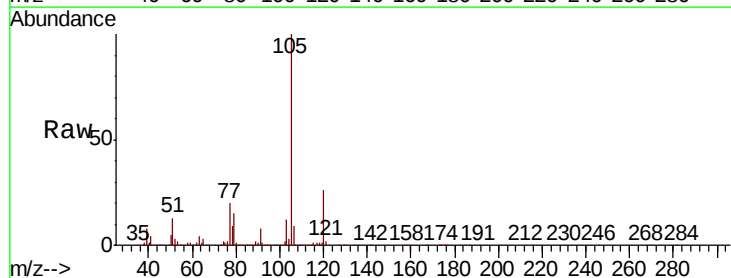
Acq: 30 Mar 2021 7:47

Tgt Ion:105 Resp: 4855333

Ion Ratio Lower Upper

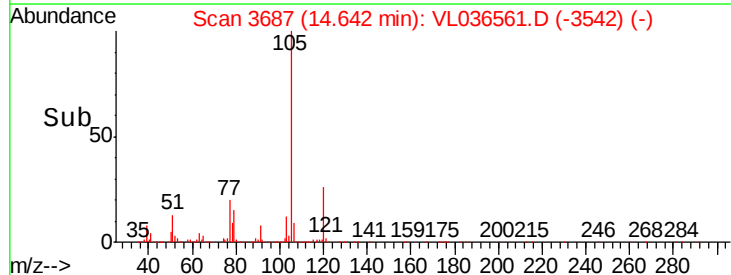
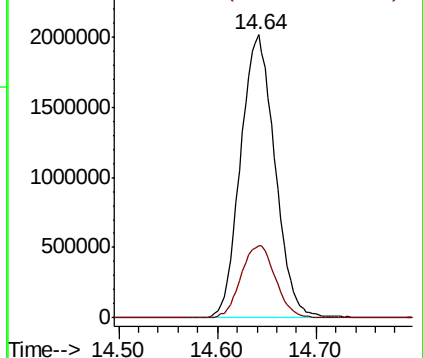
105 100

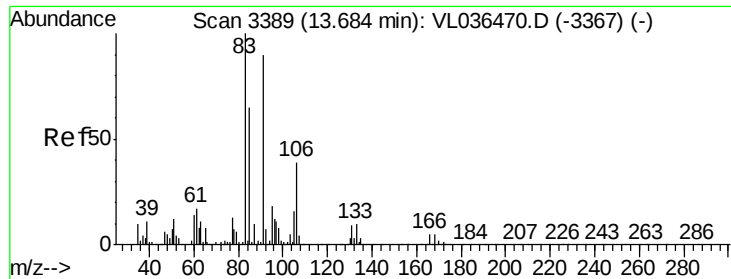
120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.927 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

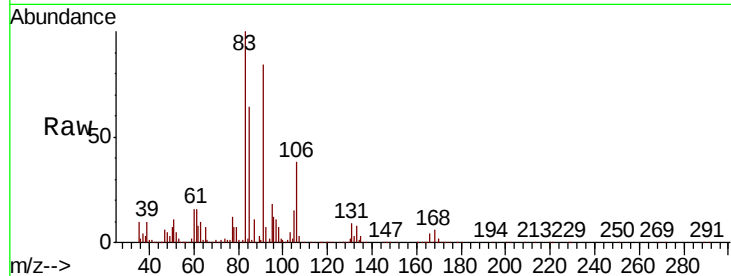
Tot Ion: 83 Resp: 2544715

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	67.1	33.1	99.3

83 100

131 9.1 4.7 14.0

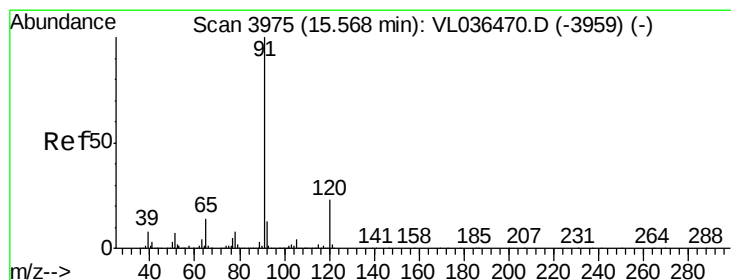
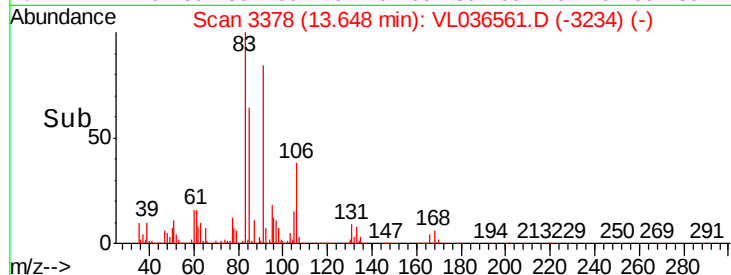
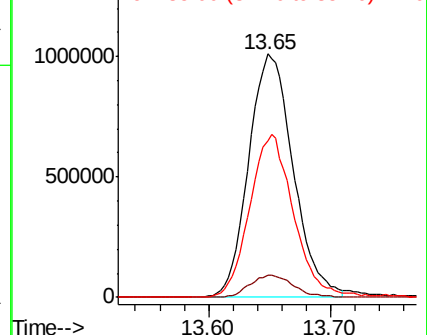
85 67.1 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.036 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.03 min

Lab File: VL036561.D

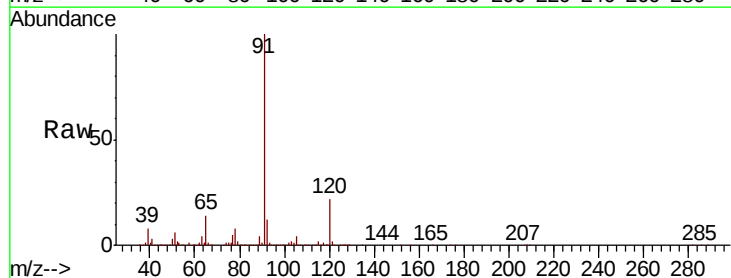
Acq: 30 Mar 2021 7:47

Tgt Ion:120 Resp: 1274161

Ion	Ratio	Lower	Upper
120	100		
91	478.2	377.4	566.2

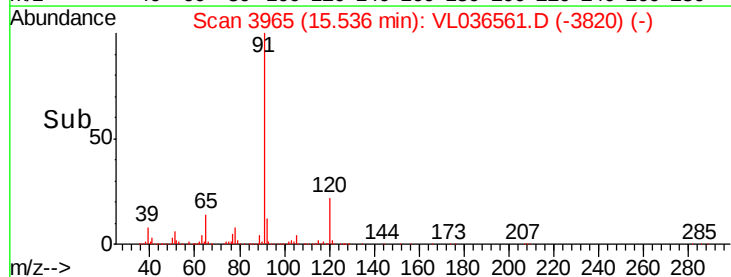
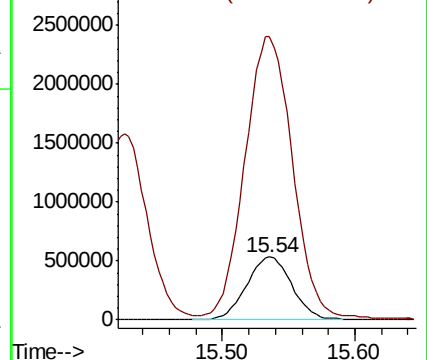
120 100

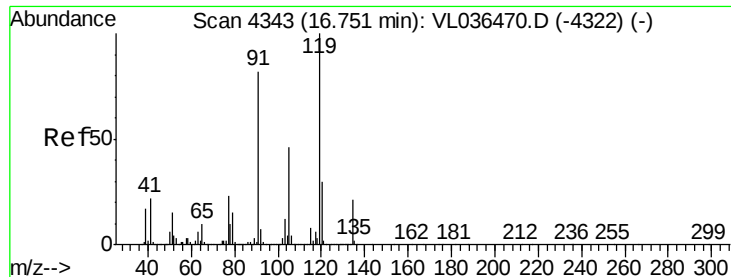
91 478.2 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.456 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

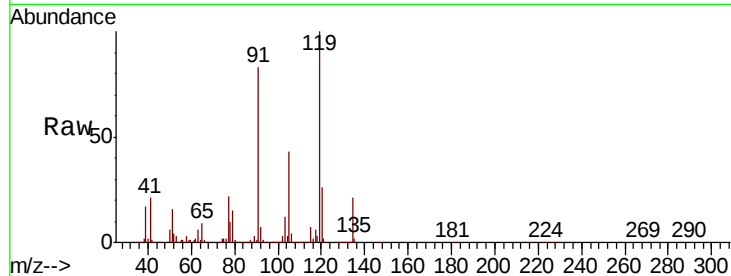
Tot Ion:119 Resp: 4192993

Ion Ratio Lower Upper

119 100

91 85.1 67.5 101.3

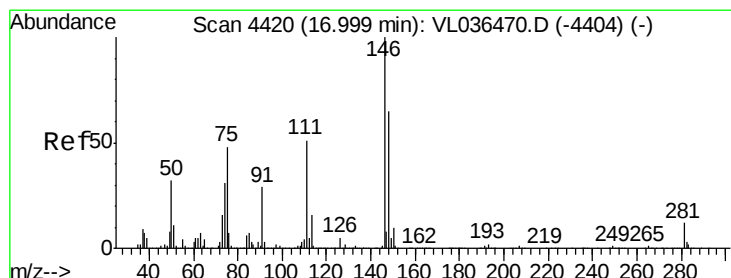
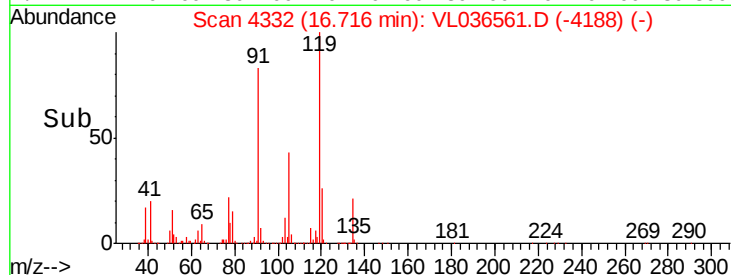
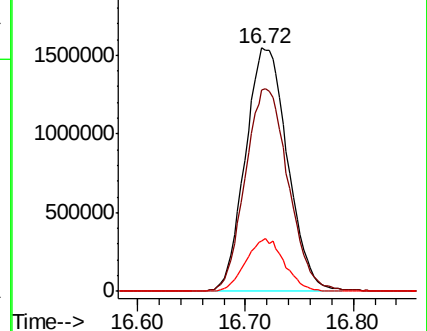
134 19.9 15.8 23.8



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: 8.010 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

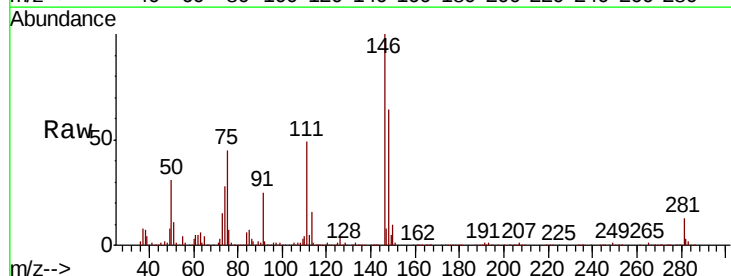
Tgt Ion: 91 Resp: 497890

Ion Ratio Lower Upper

91 100

126 16.6 13.5 20.3

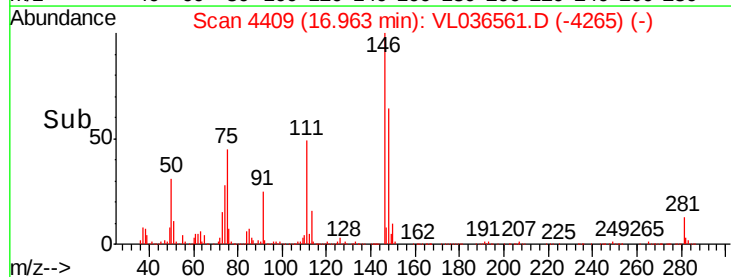
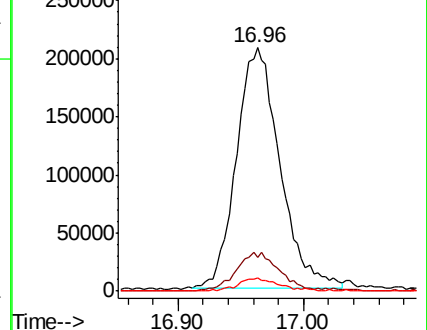
128 5.4 4.2 6.4

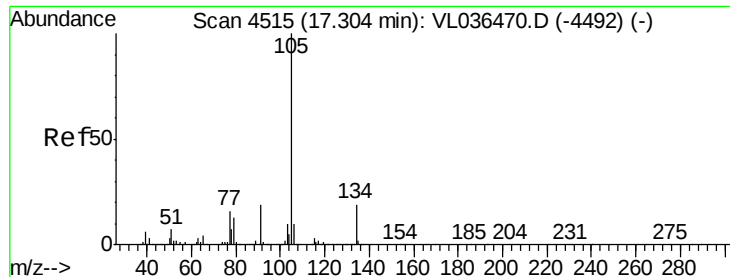


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.475 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

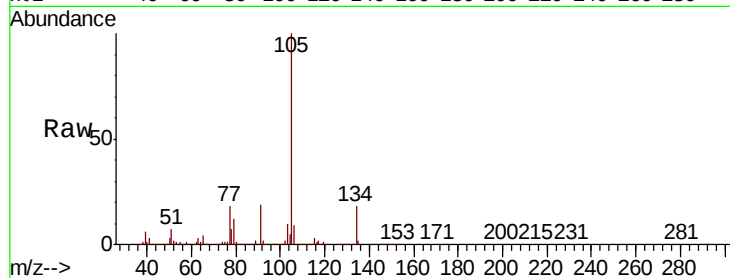
ClientSampleId :

Tot Ion:105 Resp: 5933668

Ion Ratio Lower Upper

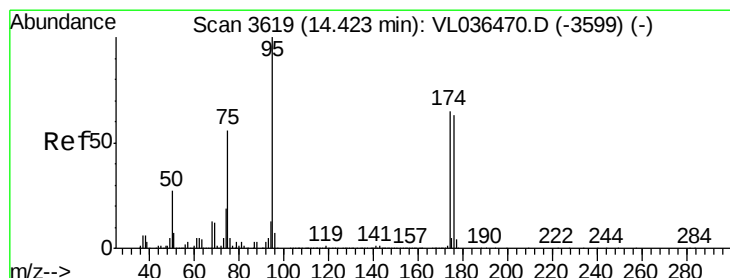
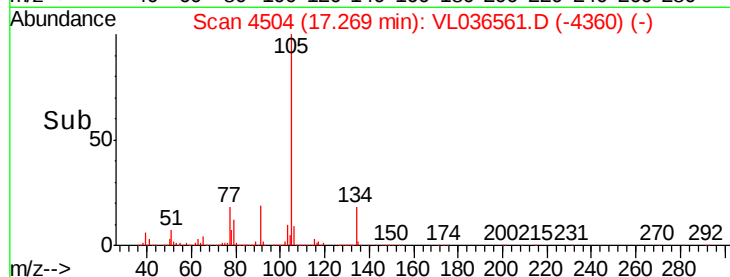
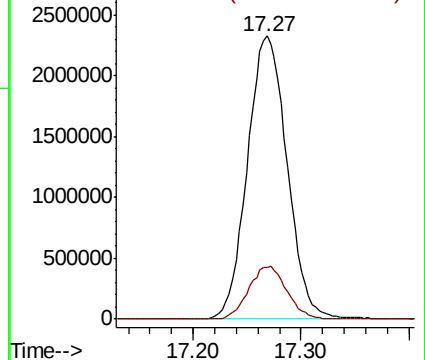
105 100

134 18.2 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.643 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

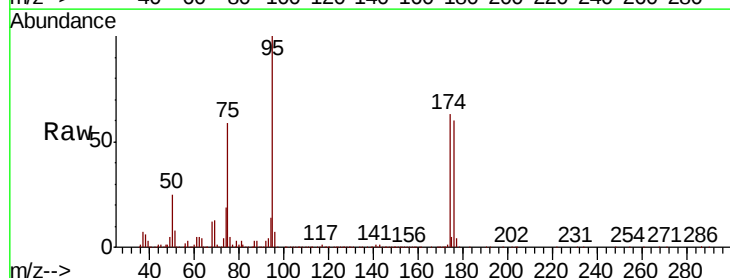
Tgt Ion: 95 Resp: 2703594

Ion Ratio Lower Upper

95 100

174 63.1 51.0 76.6

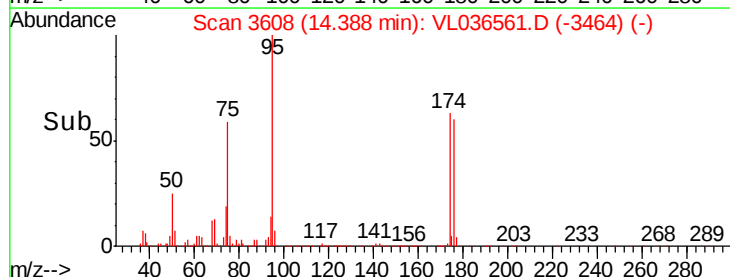
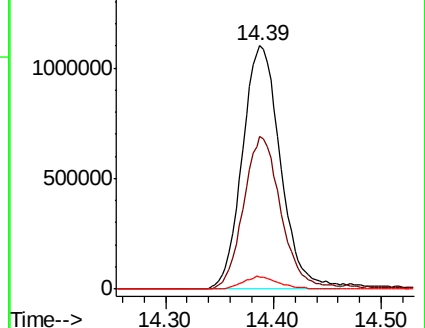
175 4.9 3.9 5.9

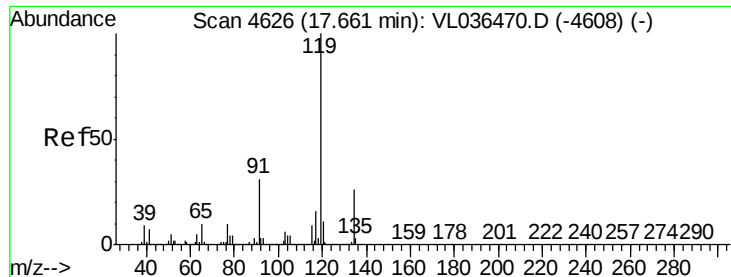


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.836 ppbv

RT: 17.63 min Scan# 4615

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampled :

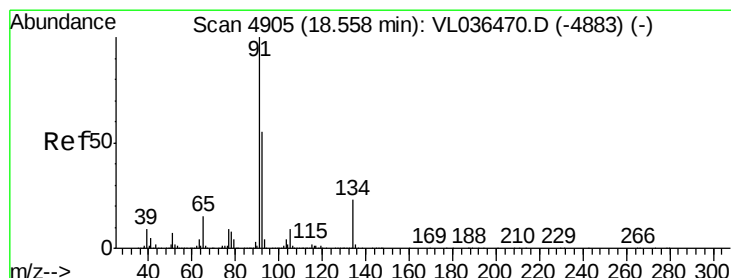
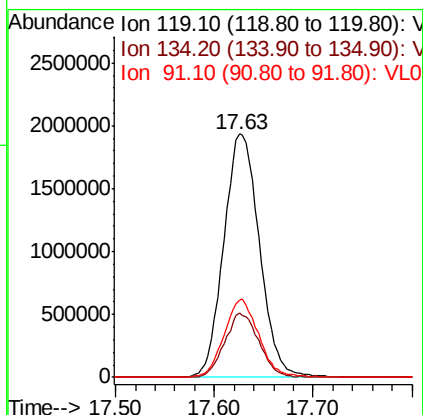
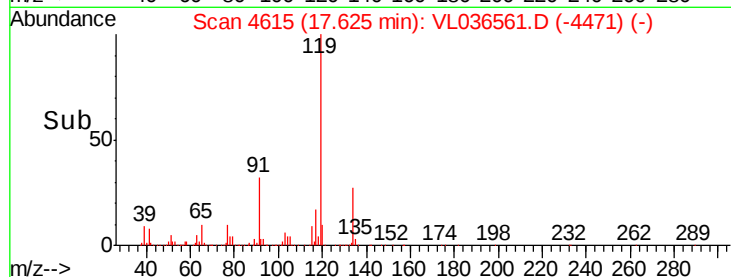
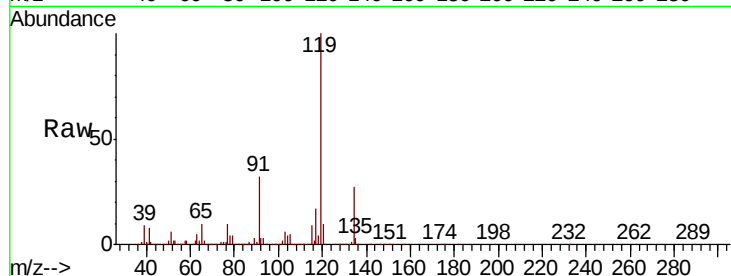
Tot Ion: 119 Resp: 4857669

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 31.3 25.0 37.6



#70

n-Butylbenzene

Concen: 7.889 ppbv

RT: 18.52 min Scan# 4894

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

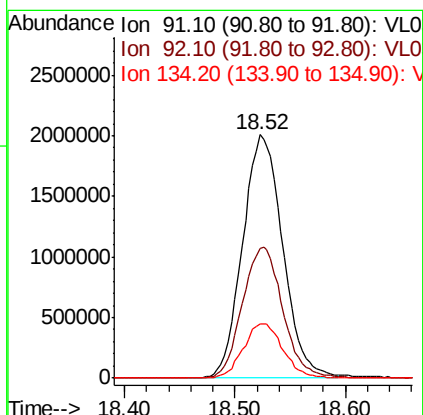
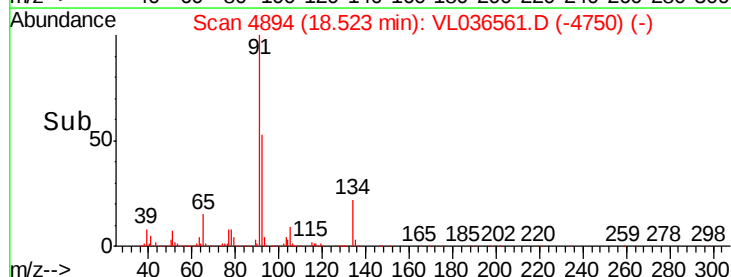
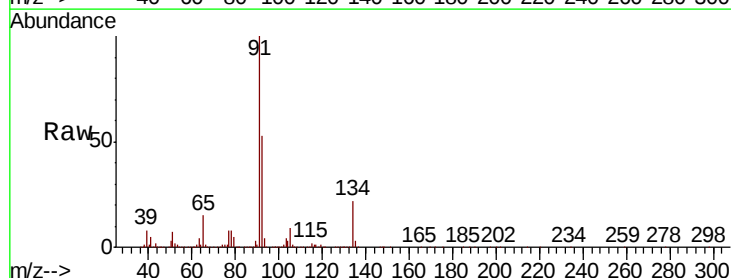
Tgt Ion: 91 Resp: 5070252

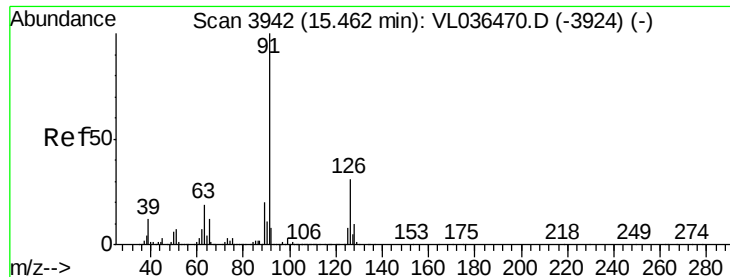
Ion Ratio Lower Upper

91 100

92 54.4 43.8 65.8

134 22.2 18.0 27.0





#71

2-Chlorotoluene

Concen: 7.803 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

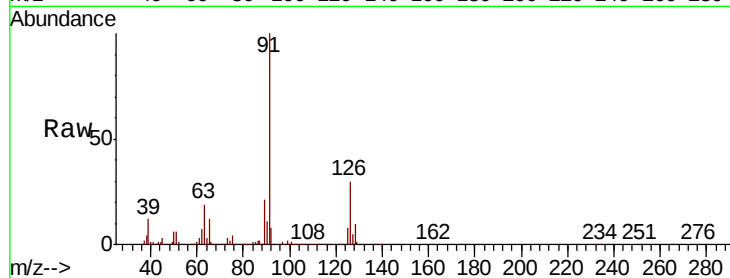
ClientSampleId :

Tot Ion: 91 Resp: 3791795

Ion Ratio Lower Upper

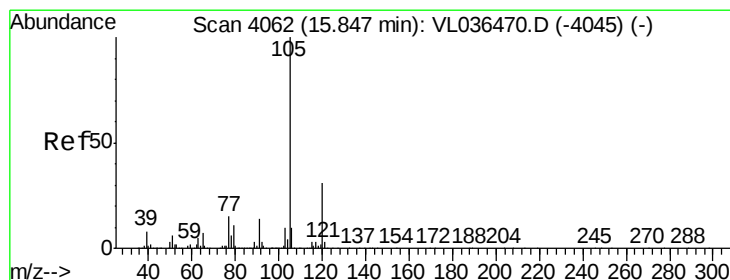
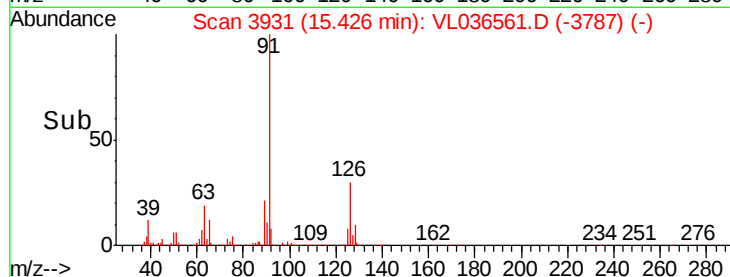
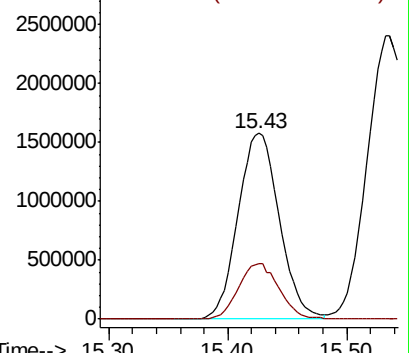
91 100

126 29.6 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.822 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Tgt Ion:105 Resp: 4127779

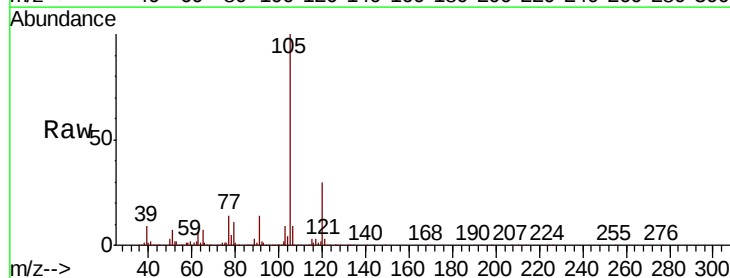
Ion Ratio Lower Upper

105 100

120 30.4 24.0 36.0

91 13.8 11.0 16.4

77 15.6 11.7 17.5

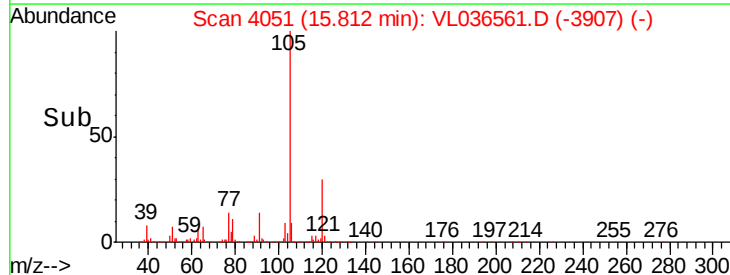
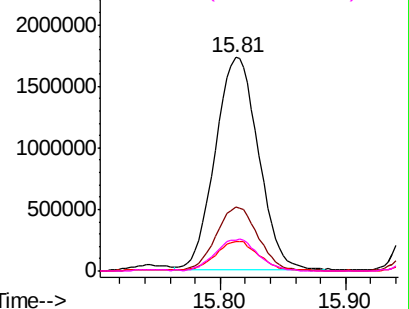


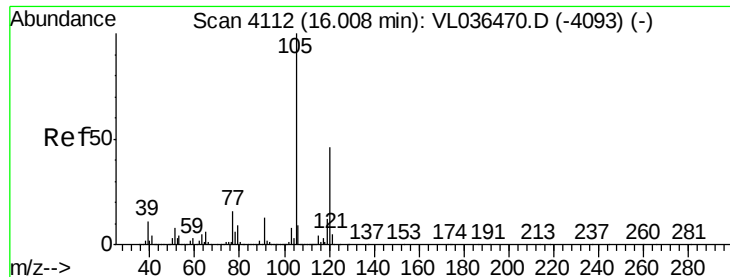
Abundance Ion 105.10 (104.80 to 105.80): V

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

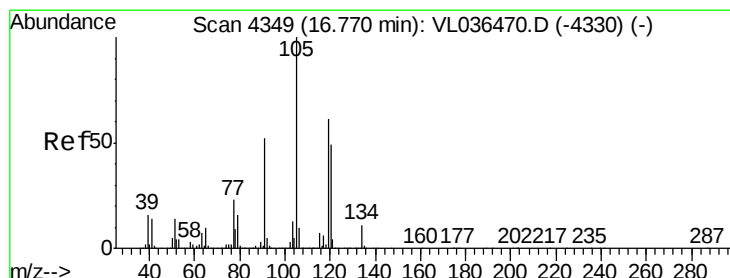
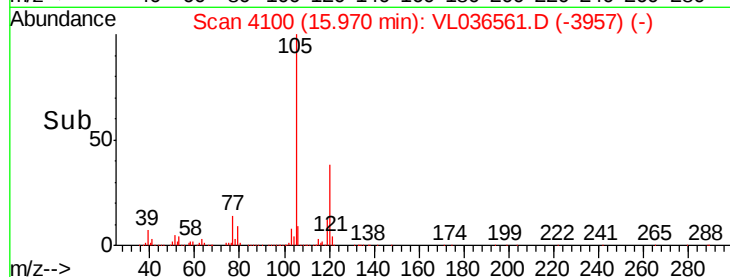
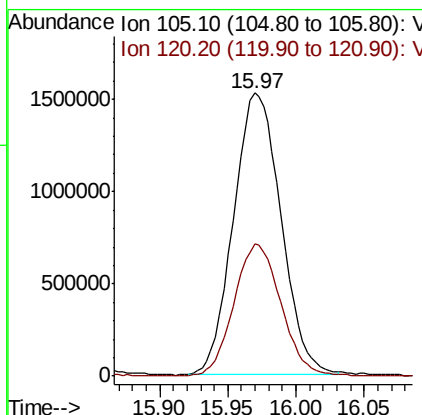
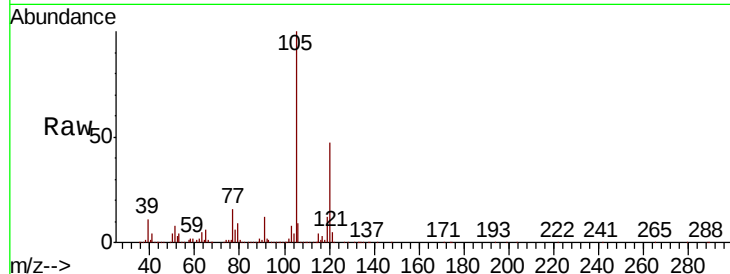




#73
 1,3,5-Trimethylbenzene
 Concen: 7.475 ppbv
 RT: 15.97 min Scan# 4100
 Delta R.T. -0.04 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

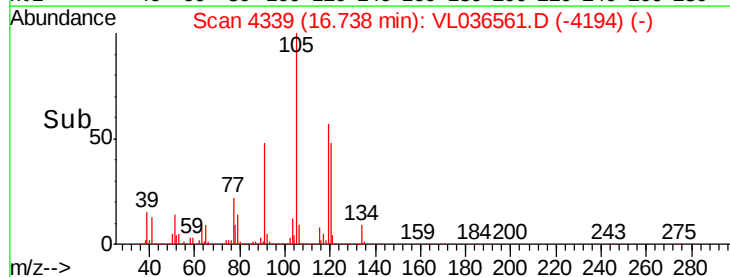
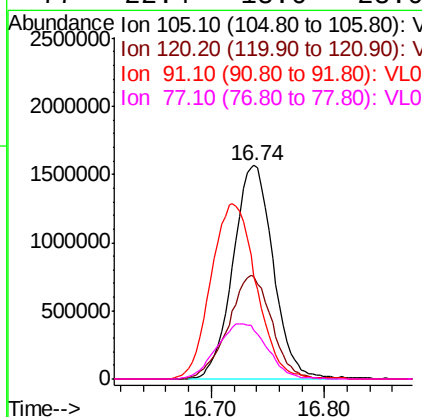
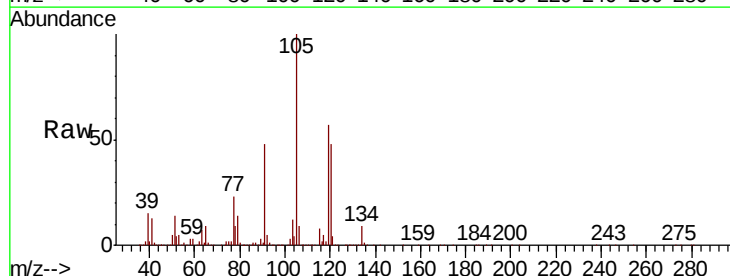
Instrument :
 MSVOA_L
 ClientSampleId :

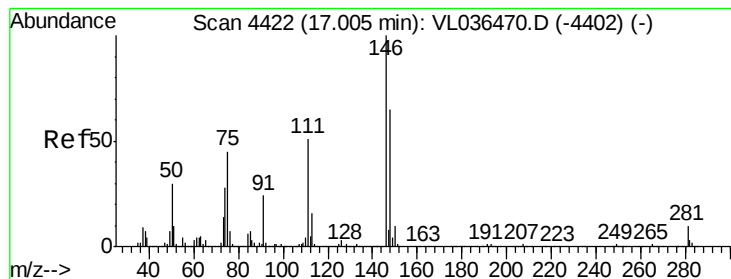
Tot Ion:105 Resp: 3681360
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 7.312 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:105 Resp: 3853855
 Ion Ratio Lower Upper
 105 100
 120 47.9 39.2 58.8
 91 47.8 42.6 64.0
 77 22.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 7.571 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampled :

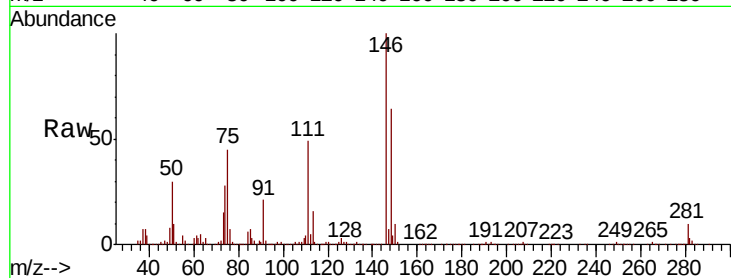
Tot Ion:146 Resp: 2246100

Ion Ratio Lower Upper

146 100

111 48.7 24.5 73.5

148 64.0 32.3 96.9

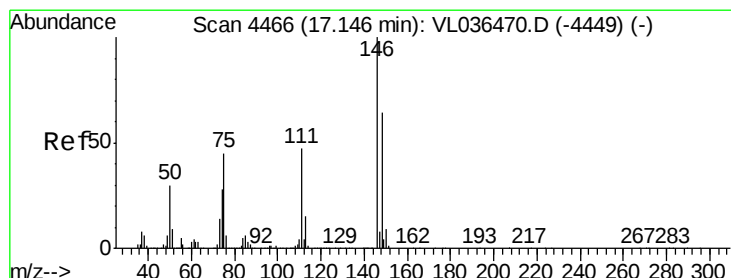
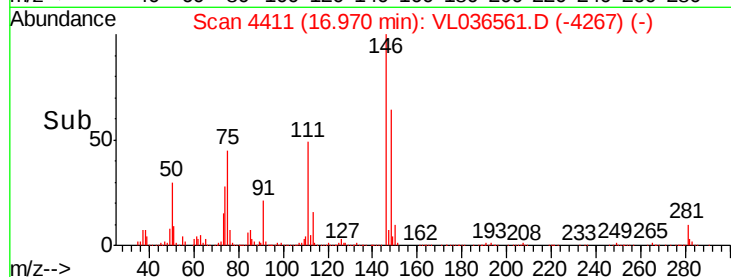
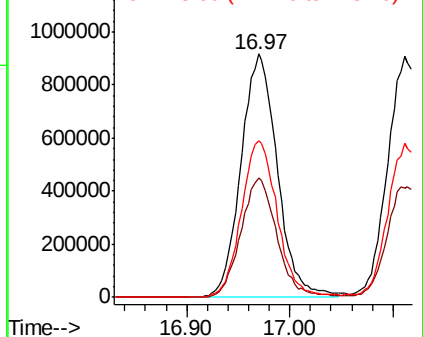


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.264 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

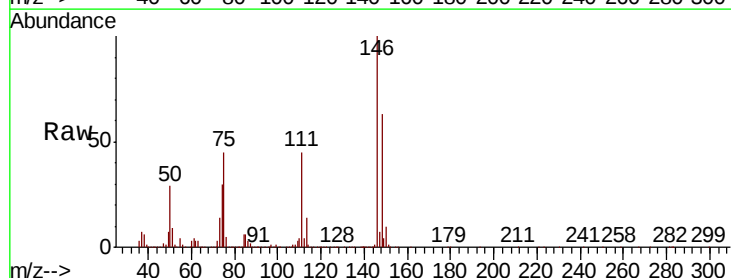
Tgt Ion:146 Resp: 2139659

Ion Ratio Lower Upper

146 100

111 49.4 24.3 72.8

148 66.1 33.0 98.9

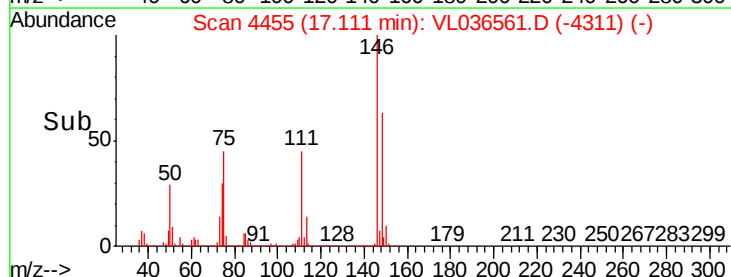
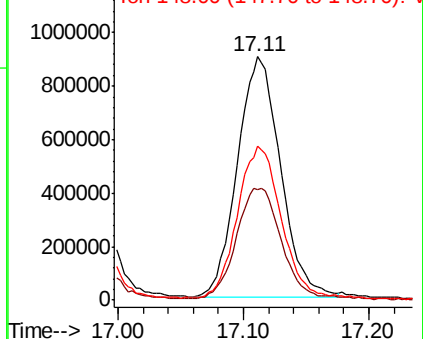


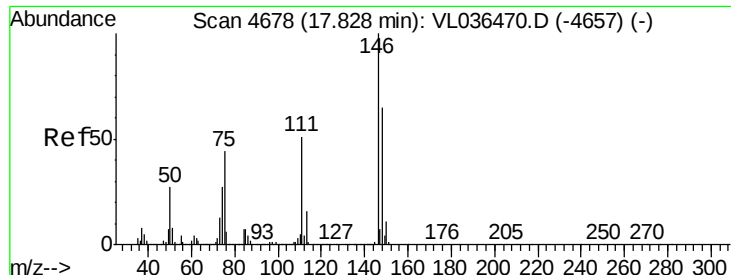
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

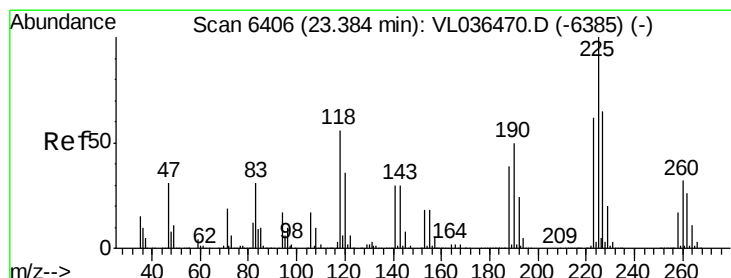
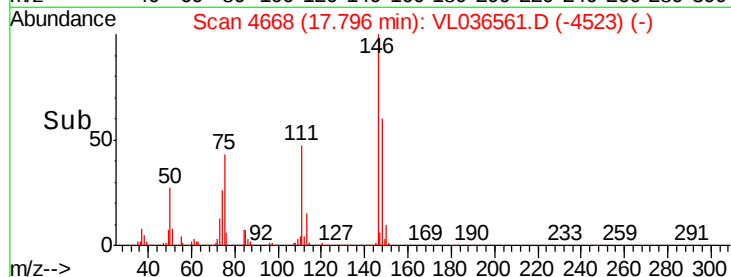
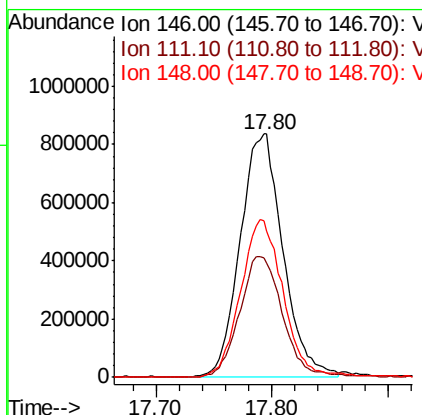
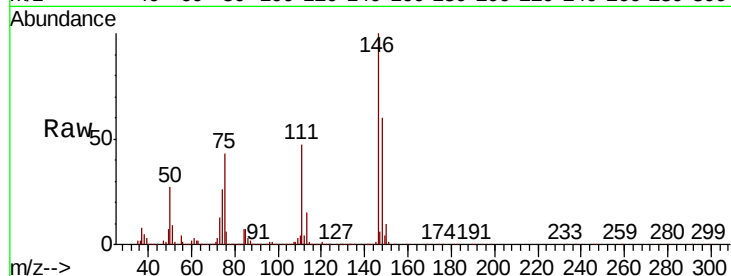




#77
 1,2-Dichlorobenzene
 Concen: 7.631 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

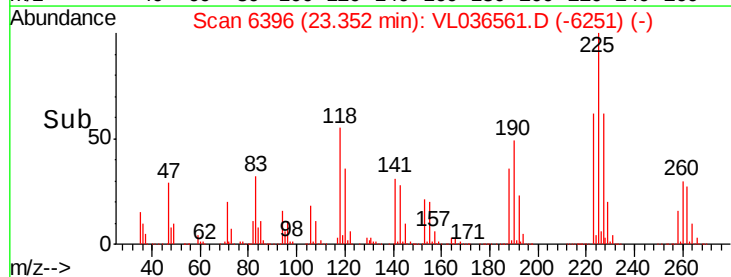
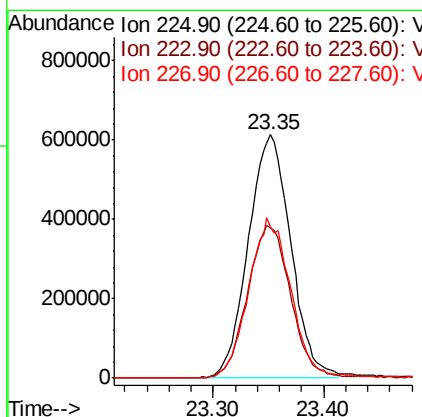
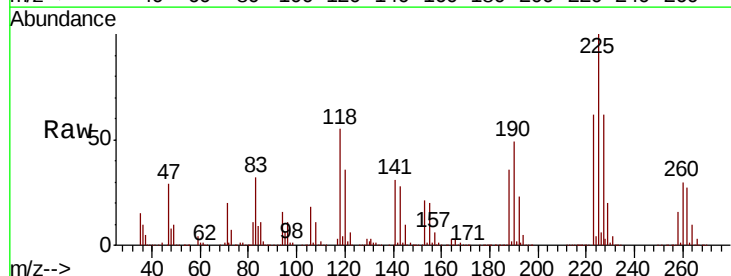
Instrument :
 MSVOA_L
 ClientSampleId :

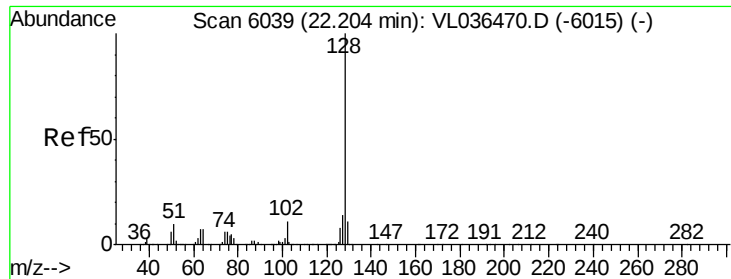
Tot Ion:146 Resp: 2128065
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.5 76.5
 148 65.0 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.555 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.03 min
 Lab File: VL036561.D
 Acq: 30 Mar 2021 7:47

Tgt Ion:225 Resp: 1637213
 Ion Ratio Lower Upper
 225 100
 223 64.3 50.6 75.8
 227 65.6 52.2 78.2





#79

Naphthalene

Concen: 8.055 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampled :

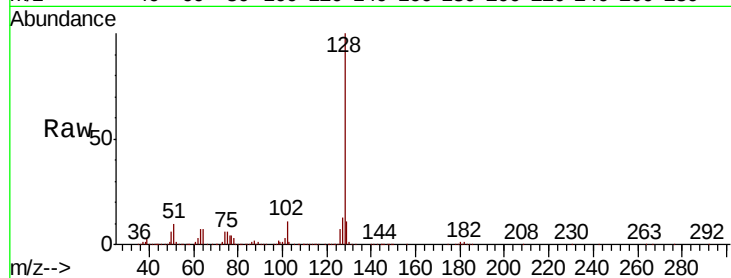
Tot Ion:128 Resp: 2477372

Ion Ratio Lower Upper

128 100

127 12.6 10.9 16.3

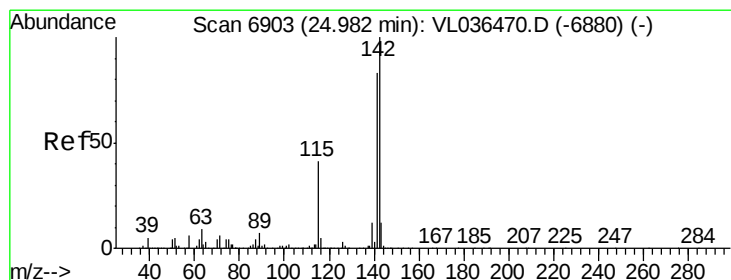
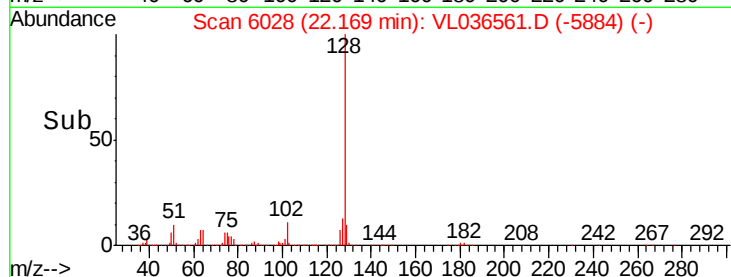
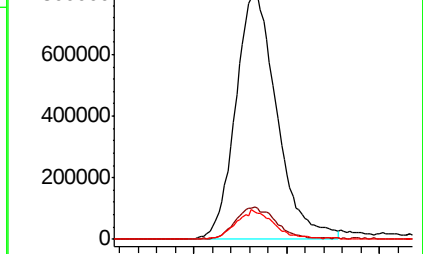
129 10.5 9.0 13.4



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: 5.489 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.03 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

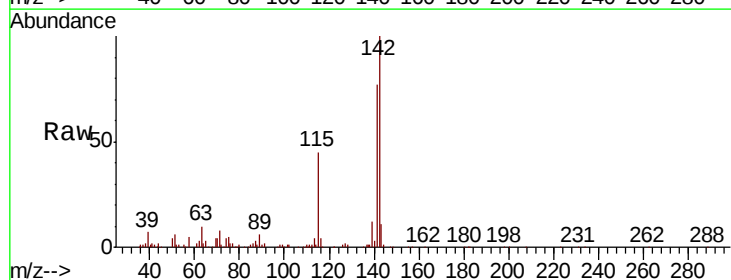
Tgt Ion:142 Resp: 332924

Ion Ratio Lower Upper

142 100

141 94.2 67.8 101.8

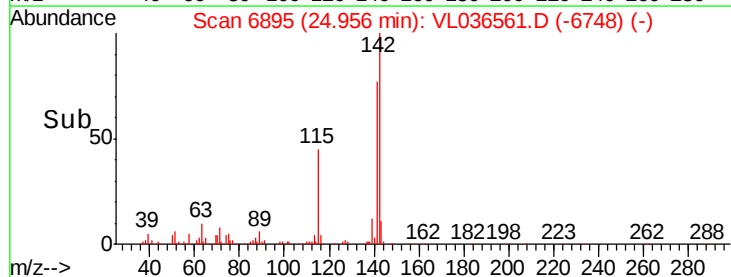
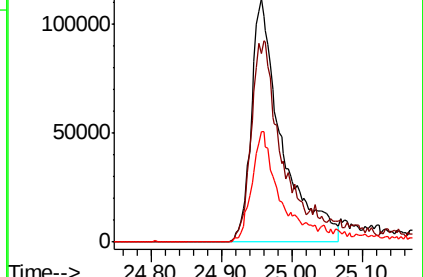
115 41.7 34.0 51.0

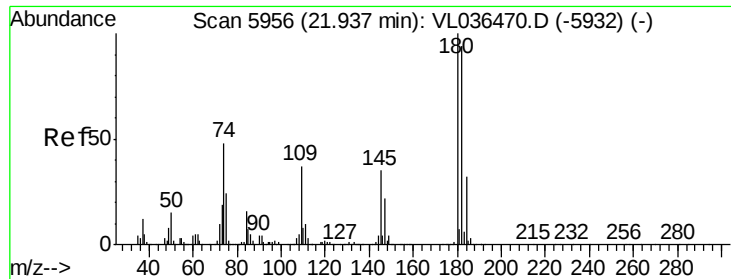


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.944 ppbv

RT: 21.90 min Scan# 5943

Delta R.T. -0.04 min

Lab File: VL036561.D

Acq: 30 Mar 2021 7:47

Instrument :

MSVOA_L

ClientSampleId :

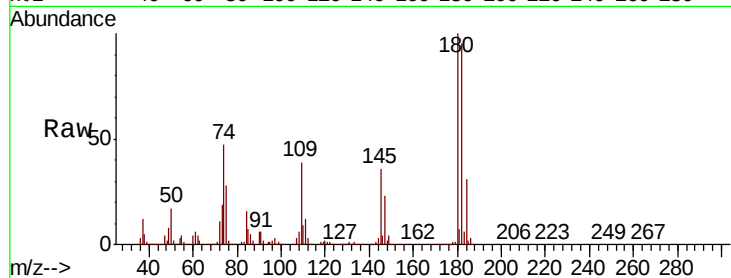
Tot Ion:180 Resp: 1508449

Ion Ratio Lower Upper

180 100

182 100.5 80.8 121.2

184 31.3 25.0 37.4



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

