

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037154.D
 Acq On : 15 Jun 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 16 01:43:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1502841	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4572160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5340748	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3261358	8.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2049984	8.565	ppbv 100
3) Chlorodifluoromethane	3.00	51	2811645	9.973	ppbv 100
4) Chloromethane	3.15	50	970298	10.101	ppbv 96
5) Vinyl Chloride	3.27	62	1054386	11.346	ppbv 99
6) Bromomethane	3.48	94	612603	10.363	ppbv 98
7) Chloroethane	3.57	64	387261	10.680	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	2581793	10.096	ppbv 99
9) Propene	3.02	41	886503	9.533	ppbv 97
10) Heptane	8.14	43	2345566	10.581	ppbv 100
11) Trichlorofluoromethane	3.96	101	2752750	10.137	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1951138	10.473	ppbv 99
13) Ethanol	3.62	45	49438	3.848	ppbv # 7
14) Bromoethene	3.75	108	857193	10.634	ppbv 99
15) Acetone	3.86	43	1432315	7.965	ppbv 98
16) 1,3-Butadiene	3.34	39	1033108	10.640	ppbv 99
17) tert-Butyl alcohol	4.30	59	1722963	11.071	ppbv 100
18) 1,1-Dichloroethene	4.30	96	848610	10.097	ppbv 98
19) Isopropyl Alcohol	3.98	45	980839	9.939	ppbv # 98
20) Methylene Chloride	4.35	84	683920	8.726	ppbv 97
21) Allyl Chloride	4.42	41	1263517	10.517	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	877910	10.721	ppbv 93
23) Vinyl Acetate	5.09	43	2632788	11.149	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1915799	10.109	ppbv 99
25) Ethyl Acetate	5.69	43	3645564	10.346	ppbv 99
26) Hexane	5.70	57	1740590	9.932	ppbv 99
27) Carbon Disulfide	4.56	76	2040855	11.487	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	2249287	10.248	ppbv 100
29) Chloroform	5.77	83	2906470	10.274	ppbv 100
30) Cyclohexane	7.14	84	1567450	10.259	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1794956	10.628	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	3018604	11.620	ppbv 100
34) 2-Butanone	5.26	43	1782900	10.383	ppbv 99
35) Carbon Tetrachloride	7.03	117	3244107	11.543	ppbv 98
36) Benzene	6.91	78	3692330	10.177	ppbv 98
37) 1,2-Dichloroethane	6.32	62	2179947	10.348	ppbv 99
38) Trichloroethene	7.85	130	1618020	10.320	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1415291	10.218	ppbv 98
40) 1,4-Dioxane	7.85	88	385370	9.936	ppbv 91
41) Tetrahydrofuran	6.07	42	867729	10.384	ppbv 99
42) Bromodichloromethane	7.81	83	3204610	11.041	ppbv 99
43) Methyl Methacrylate	8.03	69	1357535	10.907	ppbv 98

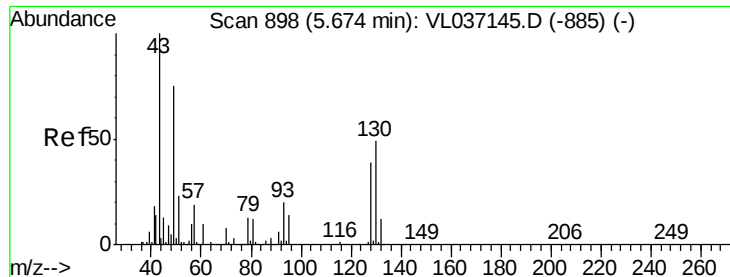
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037154.D
 Acq On : 15 Jun 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: Jun 16 01:43:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6036173	9.940	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1368350	12.199	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1709576	11.423	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1579108	10.051	ppbv	99
48) Dibromochloromethane	10.32	129	2896847	11.429	ppbv	100
49) Bromoform	13.06	173	2414188	12.193	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2683299	10.623	ppbv	99
51) 2-Hexanone	10.16	43	746484	5.921	ppbv #	39
52) Tetrachloroethene	11.24	164	1571119	10.471	ppbv	95
53) Toluene	9.82	91	4477427	10.382	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2375660	10.327	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1966307	8.442	ppbv	97
57) Chlorobenzene	12.17	112	3422305	7.997	ppbv	99
58) Ethyl Benzene	12.73	91	5992053	8.283	ppbv	99
59) m/p-Xylene	13.01	91	5052482	8.218	ppbv #	31
60) o-Xylene	13.71	91	4804592	8.140	ppbv	99
61) Styrene	13.54	104	2837365	9.118	ppbv	99
62) Isopropylbenzene	14.68	105	6723288	7.991	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3268894	8.517	ppbv	100
64) n-propylbenzene	15.58	120	1803061	8.403	ppbv	98
65) tert-Butylbenzene	16.76	119	6128604	8.038	ppbv	100
66) Benzyl Chloride	17.01	91	314436	9.447	ppbv	98
67) sec-Butylbenzene	17.31	105	8129066	8.024	ppbv	100
69) p-Isopropyltoluene	17.67	119	7057447	8.333	ppbv	100
70) n-Butylbenzene	18.57	91	6611801	8.533	ppbv	100
71) 2-Chlorotoluene	15.47	91	4947624	8.244	ppbv	99
72) 4-Ethyltoluene	15.86	105	5929116	8.647	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5355563	8.235	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5521900	8.344	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3352761	8.228	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	3341436	8.257	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3287413	8.182	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2091559	7.344	ppbv	99
79) Naphthalene	22.22	128	4005908	10.057	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1179846	12.243	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1211150	4.780	ppbv #	15

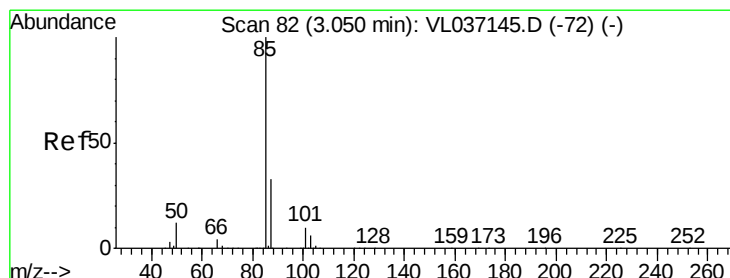
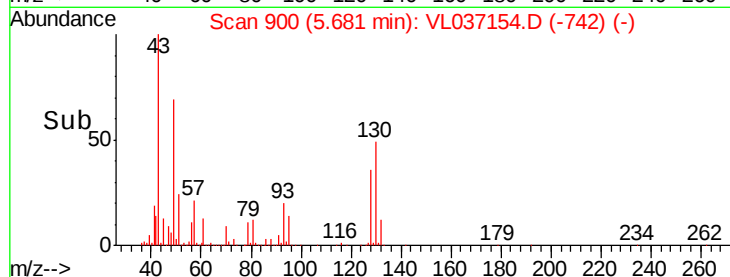
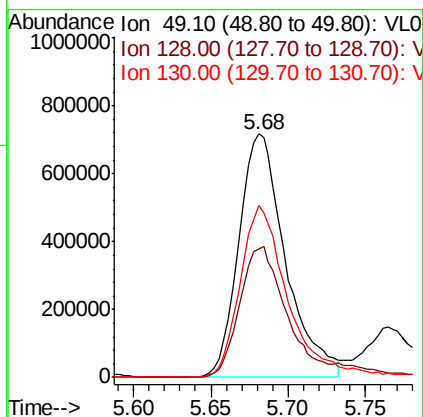
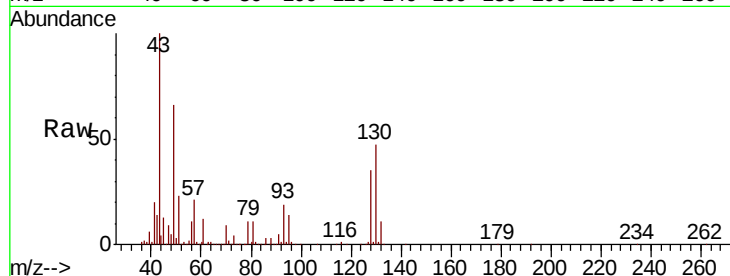
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

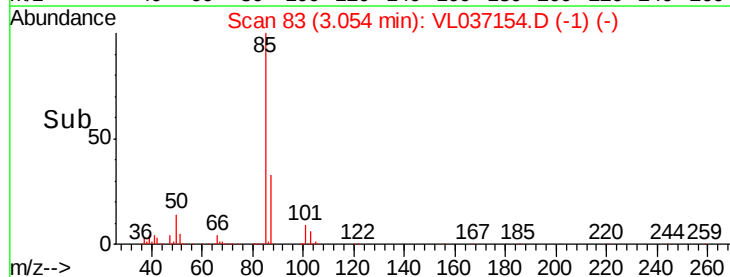
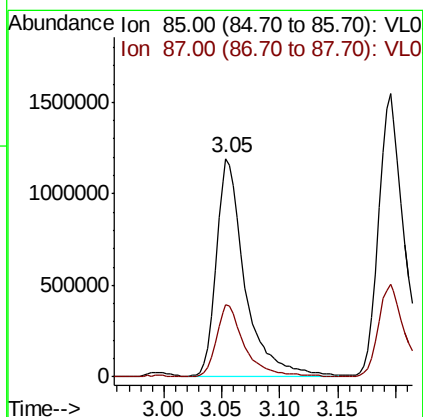
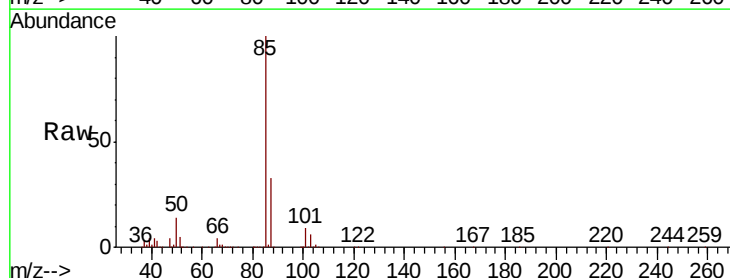
Instrument :
MSVOA_L
ClientSampleId :

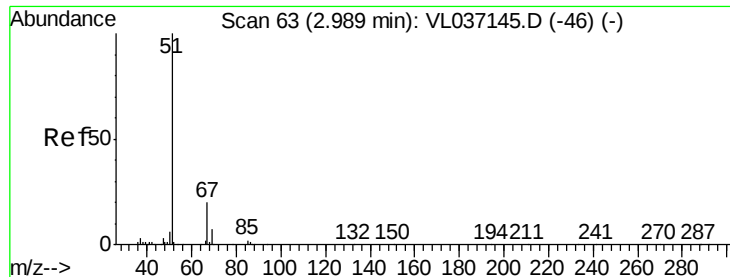
Tot Ion: 49 Resp: 1502841
Ion Ratio Lower Upper
49 100
128 59.1 28.8 86.5
130 73.5 36.0 108.0



#2
Dichlorodifluoromethane
Concen: 8.565 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 85 Resp: 2049984
Ion Ratio Lower Upper
85 100
87 32.7 26.4 39.6





#3

Chlorodifluoromethane

Concen: 9.973 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

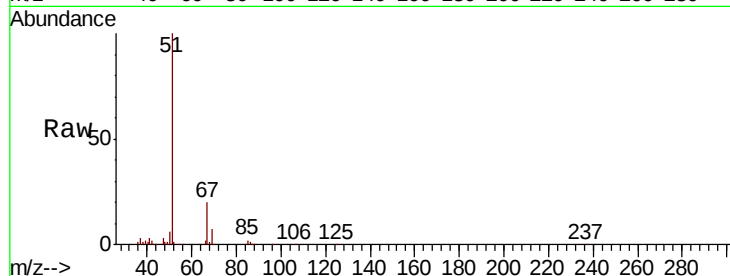
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2811645

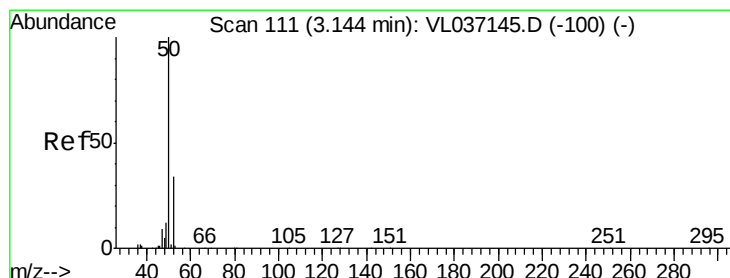
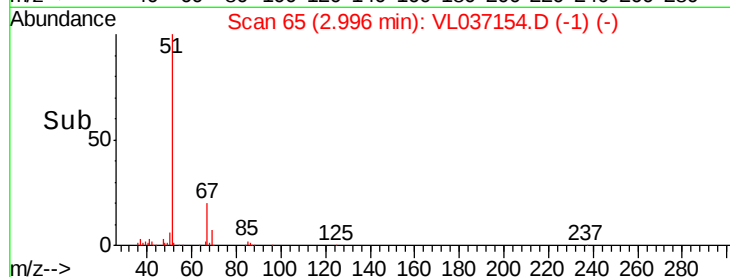
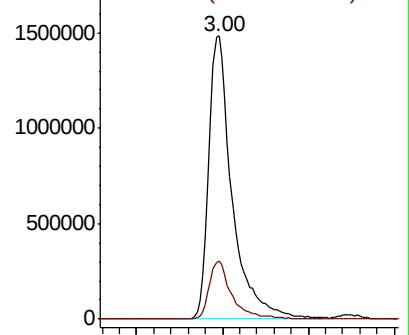
Ion Ratio Lower Upper

51 100

67 19.9 15.9 23.9



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



#4

Chloromethane

Concen: 10.101 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037154.D

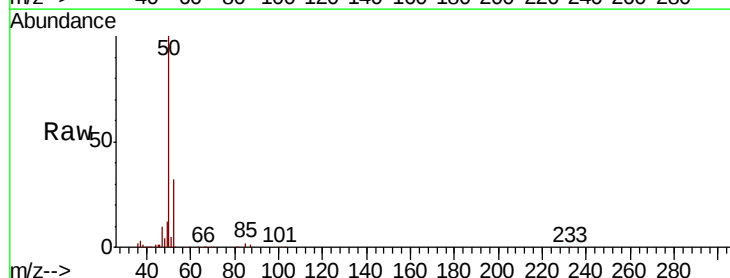
Acq: 15 Jun 2021 9:26

Tgt Ion: 50 Resp: 970298

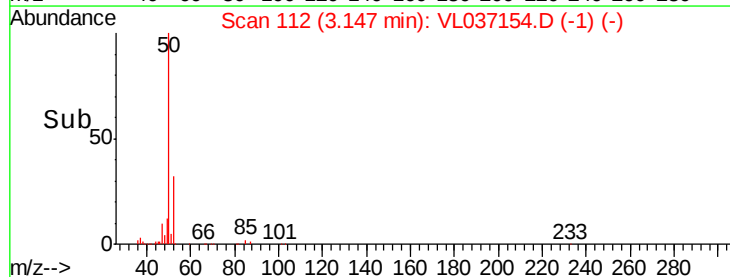
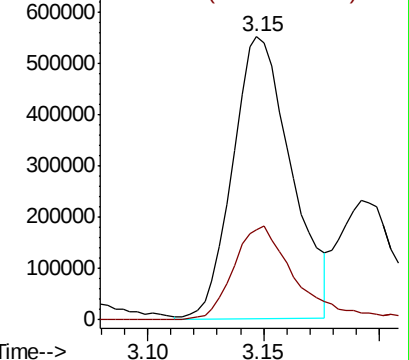
Ion Ratio Lower Upper

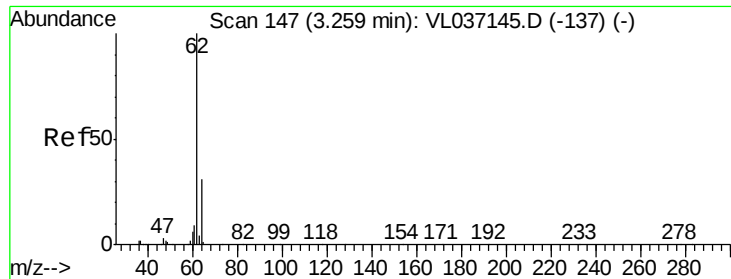
50 100

52 32.3 27.4 41.2



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





#5

Vinyl Chloride

Concen: 11.346 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

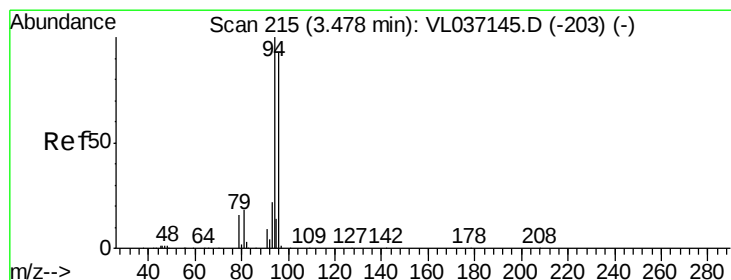
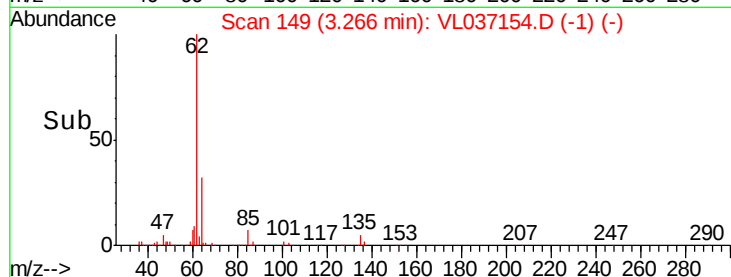
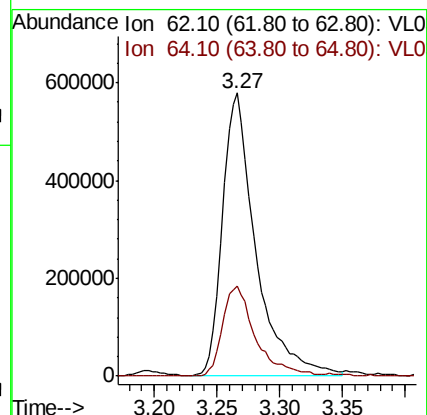
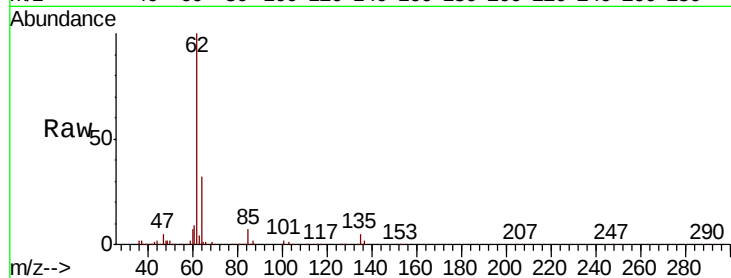
ClientSampled :

Tot Ion: 62 Resp: 1054386

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8



#6

Bromomethane

Concen: 10.363 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037154.D

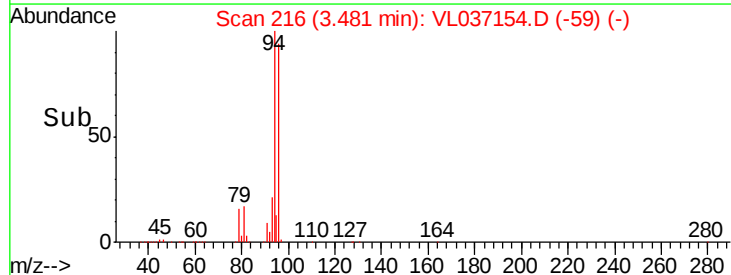
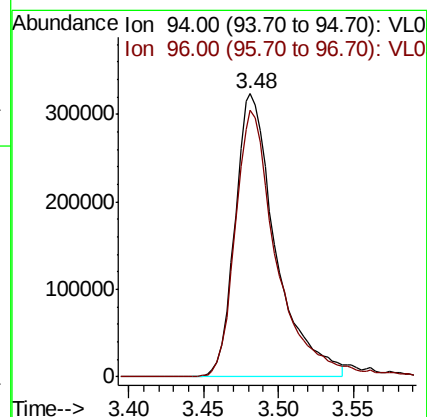
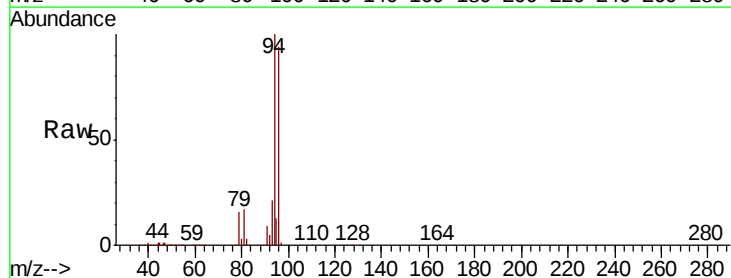
Acq: 15 Jun 2021 9:26

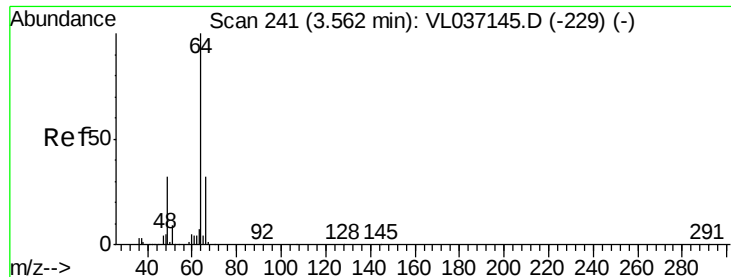
Tgt Ion: 94 Resp: 612603

Ion Ratio Lower Upper

94 100

96 94.3 74.2 111.2

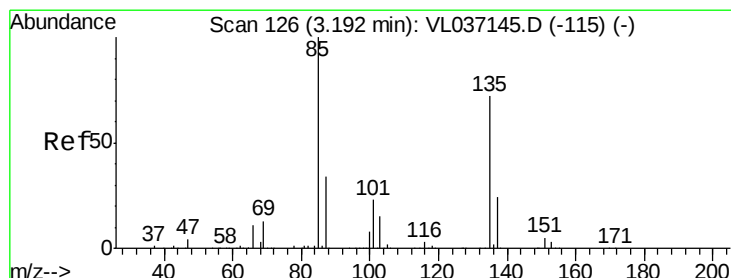
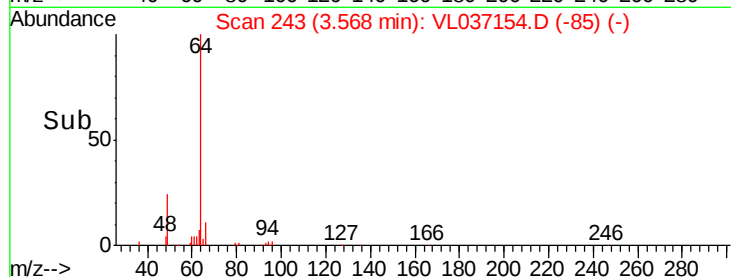
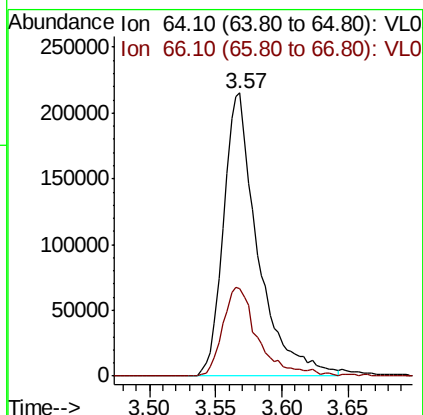
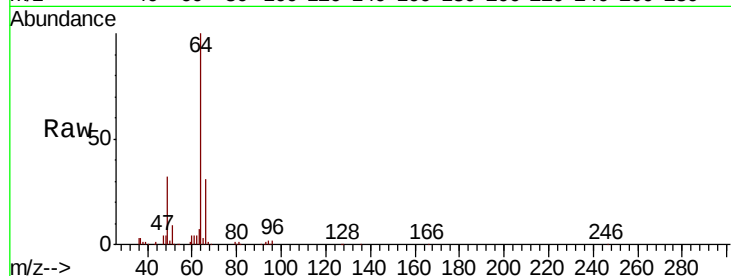




#7
Chloroethane
Concen: 10.680 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

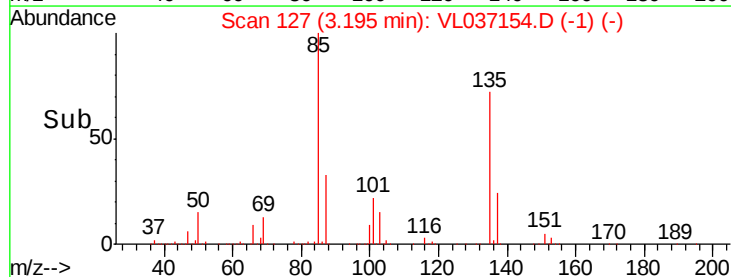
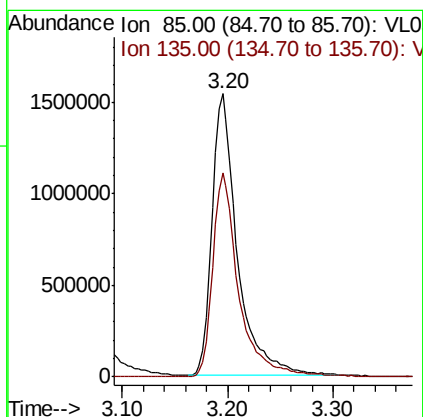
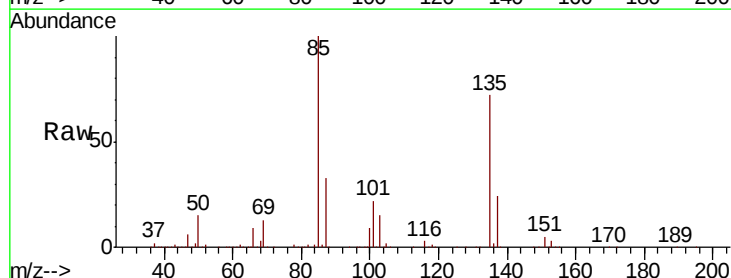
Instrument :
MSVOA_L
ClientSampleId :

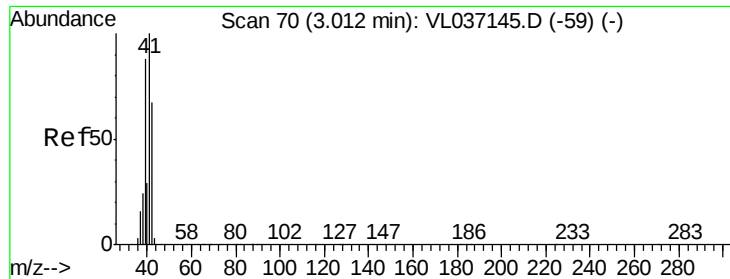
Tot Ion: 64 Resp: 387261
Ion Ratio Lower Upper
64 100
66 31.1 25.3 37.9



#8
Dichlorotetrafluoroethane
Concen: 10.096 ppbv
RT: 3.20 min Scan# 127
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 85 Resp: 2581793
Ion Ratio Lower Upper
85 100
135 74.7 60.3 90.5





#9

Propene

Concen: 9.533 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

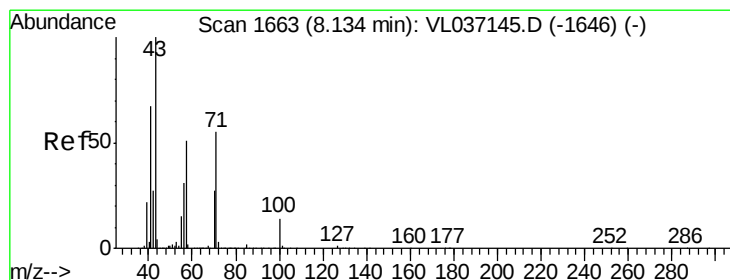
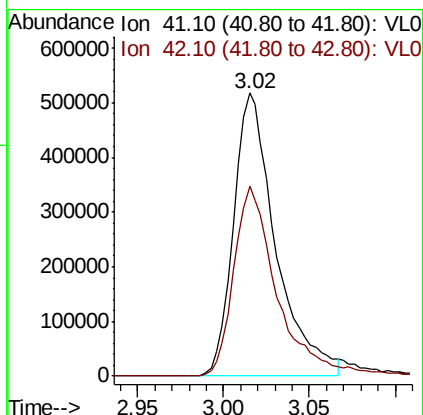
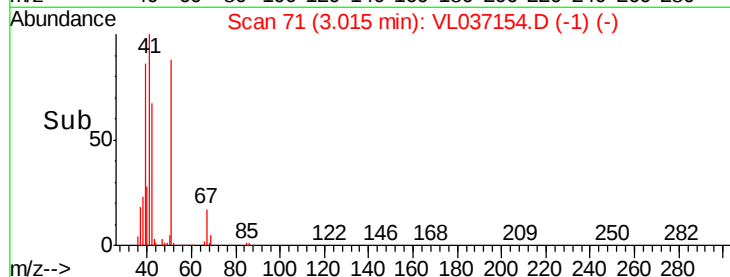
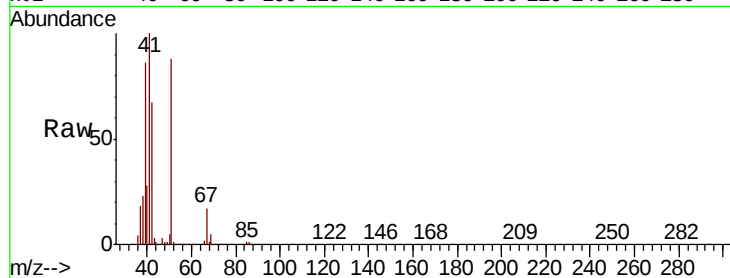
ClientSampleId :

Tot Ion: 41 Resp: 886503

Ion Ratio Lower Upper

41 100

42 70.1 53.8 80.8



#10

Heptane

Concen: 10.581 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL037154.D

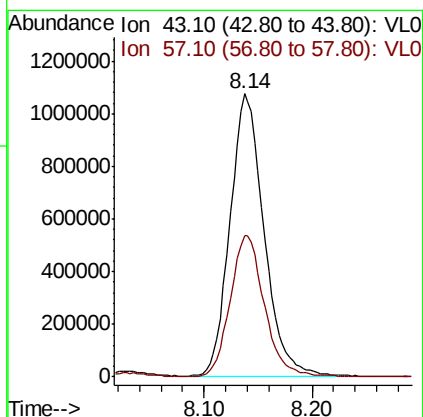
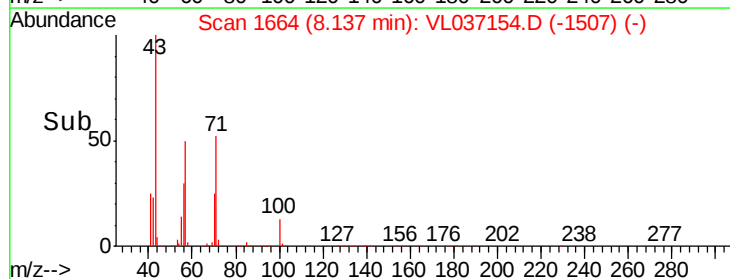
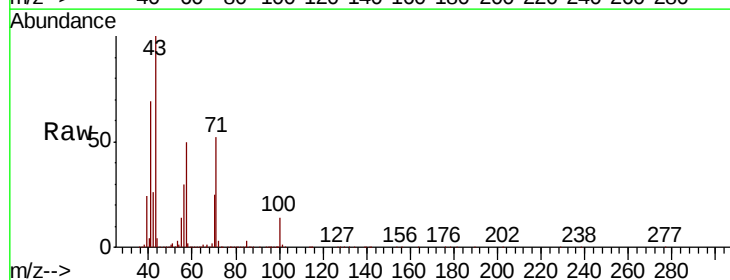
Acq: 15 Jun 2021 9:26

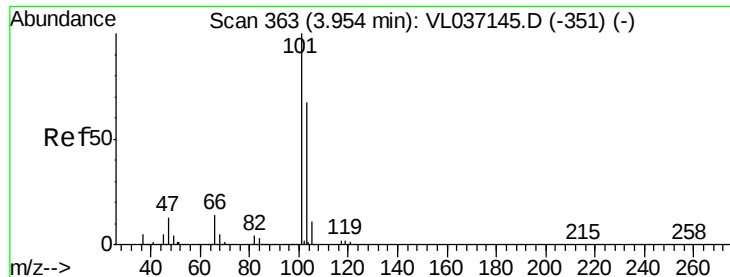
Tgt Ion: 43 Resp: 2345566

Ion Ratio Lower Upper

43 100

57 50.8 40.5 60.7





#11

Trichlorofluoromethane

Concen: 10.137 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

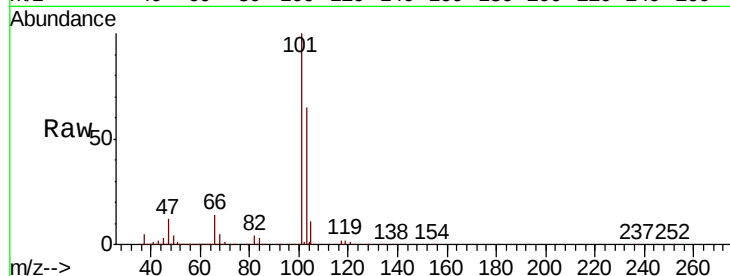
ClientSampleId :

Tot Ion:101 Resp: 2752750

Ion Ratio Lower Upper

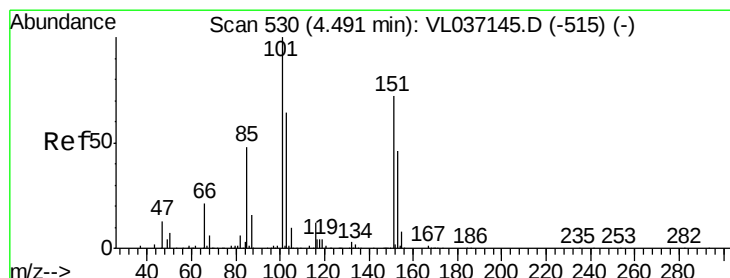
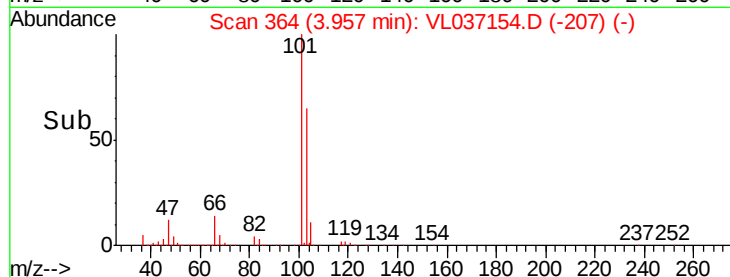
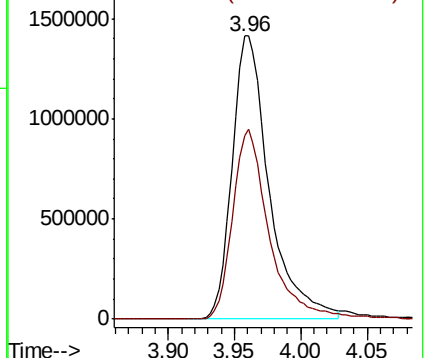
101 100

103 65.1 53.6 80.4



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: 10.473 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037154.D

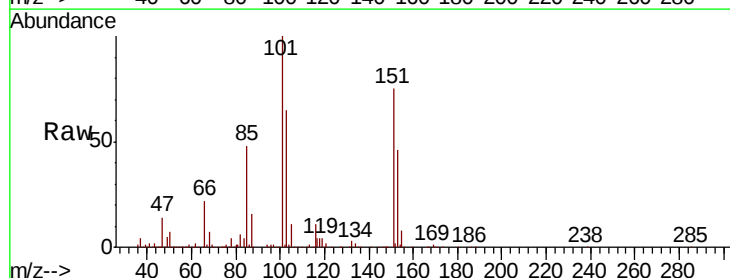
Acq: 15 Jun 2021 9:26

Tgt Ion:101 Resp: 1951138

Ion Ratio Lower Upper

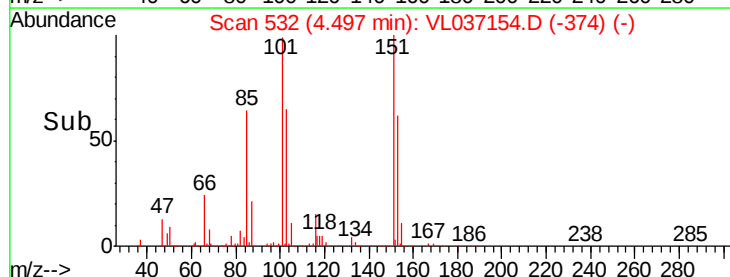
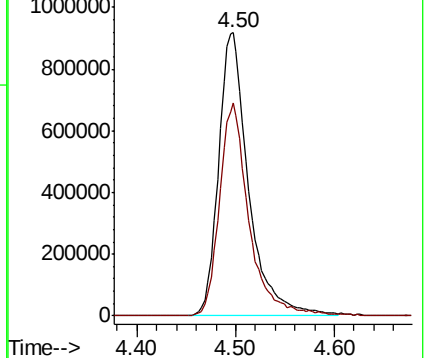
101 100

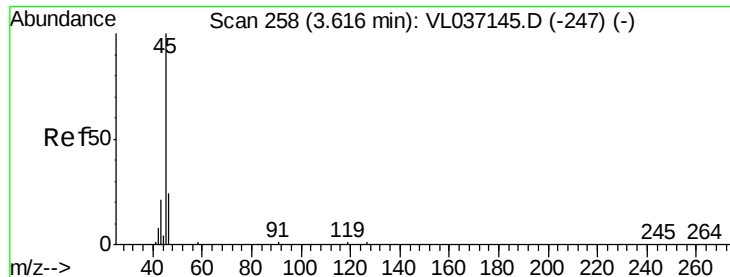
151 74.4 60.5 90.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 3.848 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

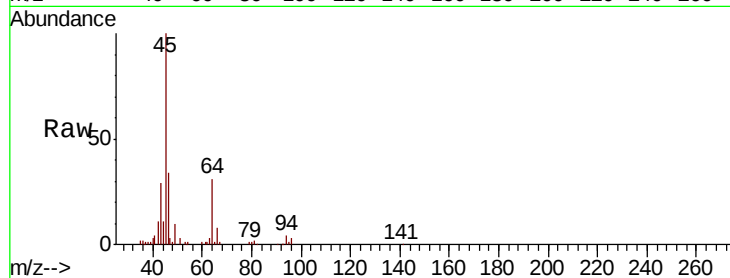
ClientSampled :

Tot Ion: 45 Resp: 49438

Ion Ratio Lower Upper

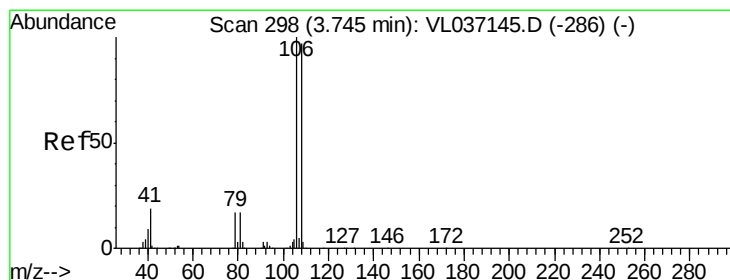
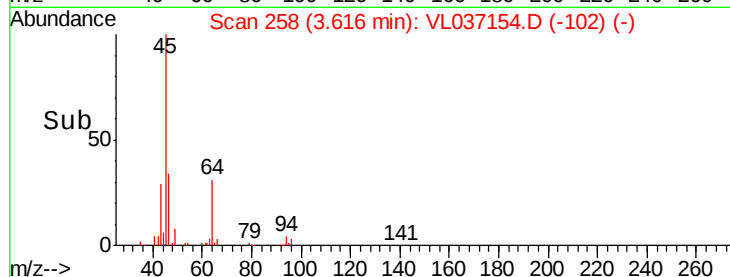
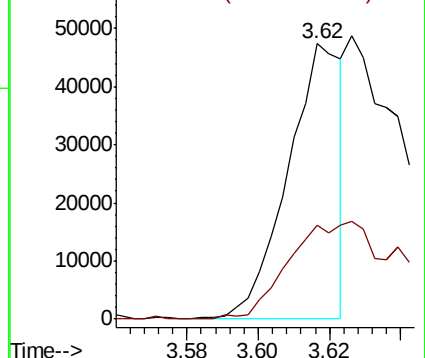
45 100

46 95.4 15.4 61.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.634 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

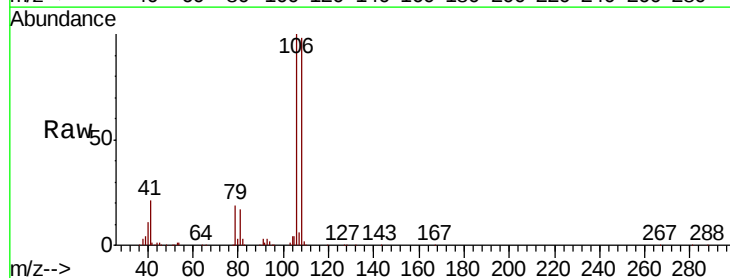
Tgt Ion: 108 Resp: 857193

Ion Ratio Lower Upper

108 100

106 106.9 86.5 129.7

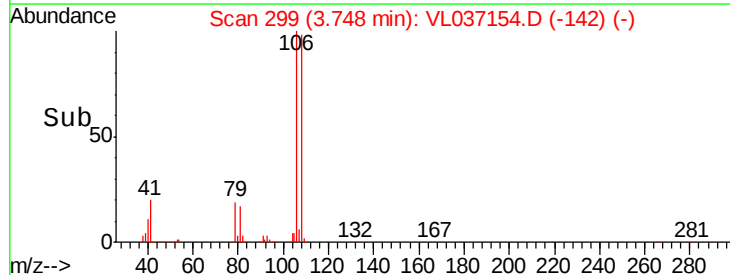
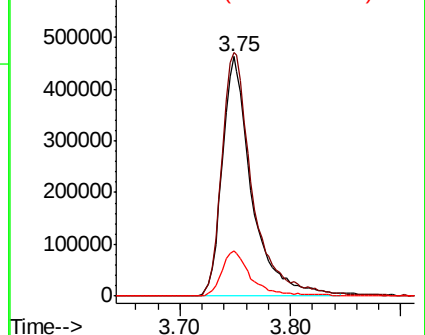
79 19.3 15.4 23.2

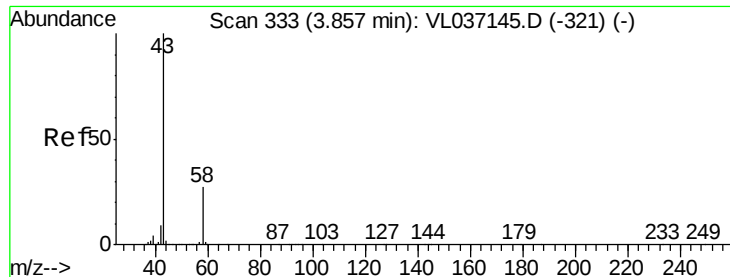


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.965 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

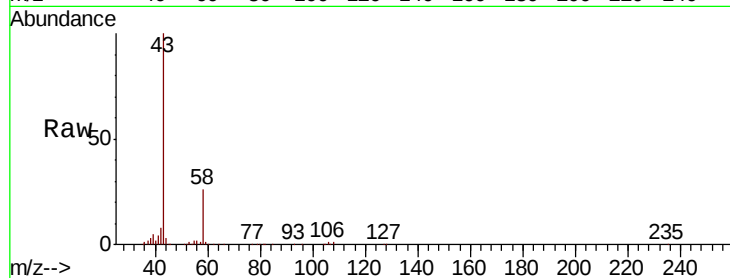
ClientSampleId :

Tot Ion: 43 Resp: 1432315

Ion Ratio Lower Upper

43 100

58 27.7 23.0 34.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

800000

600000

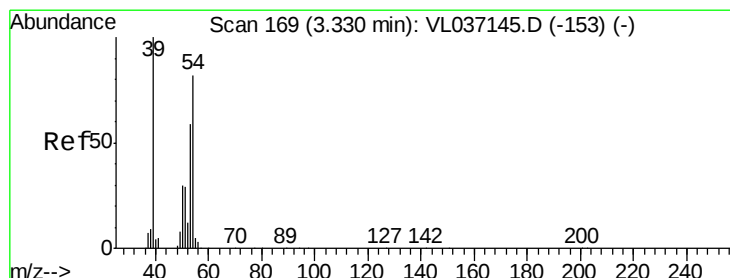
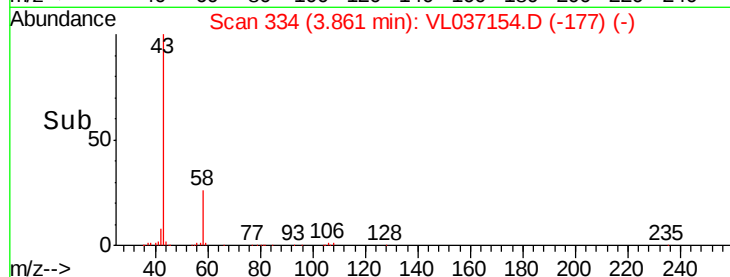
400000

200000

0

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.640 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL037154.D

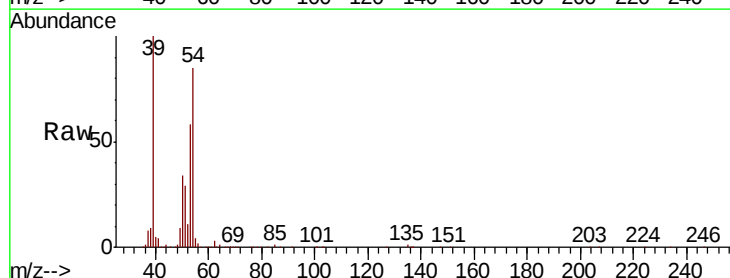
Acq: 15 Jun 2021 9:26

Tgt Ion: 39 Resp: 1033108

Ion Ratio Lower Upper

39 100

54 76.4 61.8 92.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

600000

500000

400000

300000

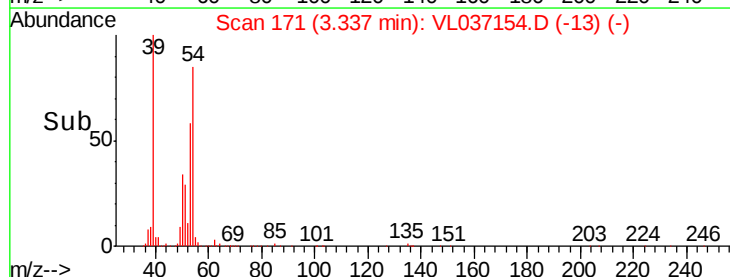
200000

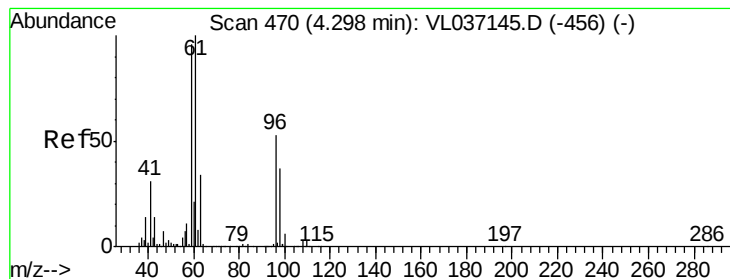
100000

0

3.30 3.40

Time-->





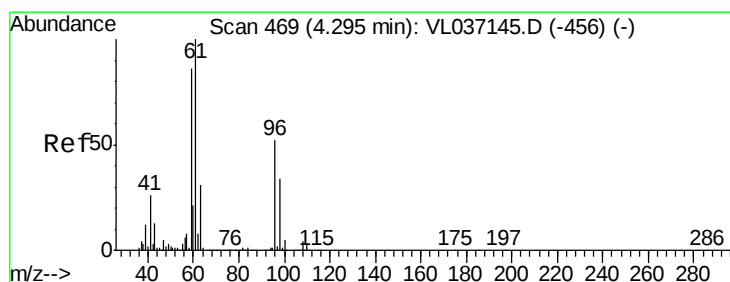
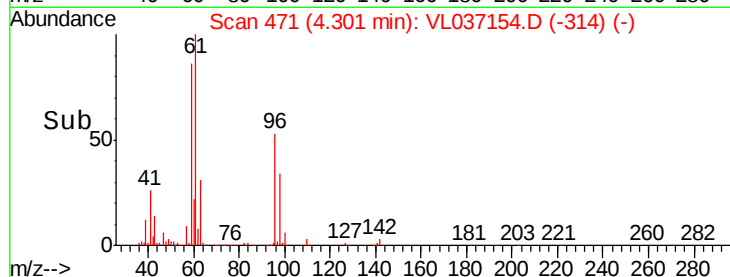
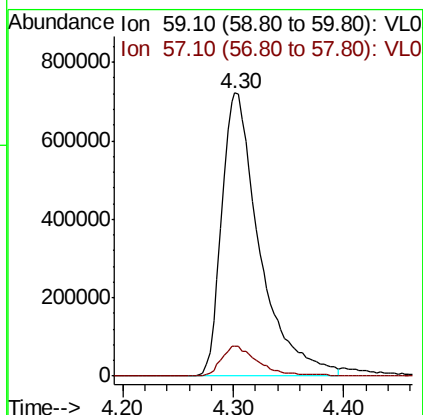
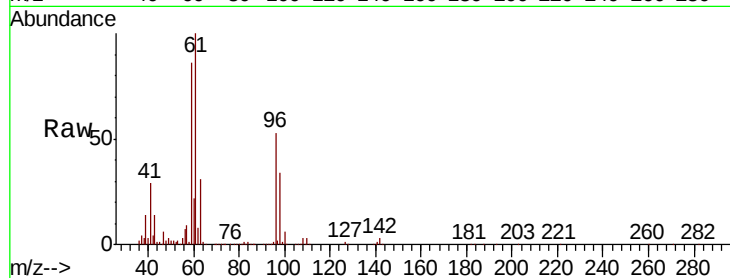
#17

tert-Butyl alcohol
Concen: 11.071 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 59 Resp: 1722963

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

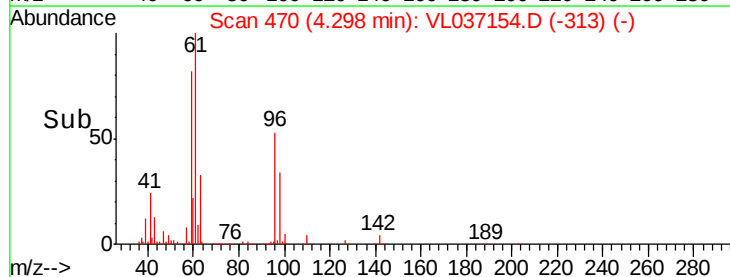
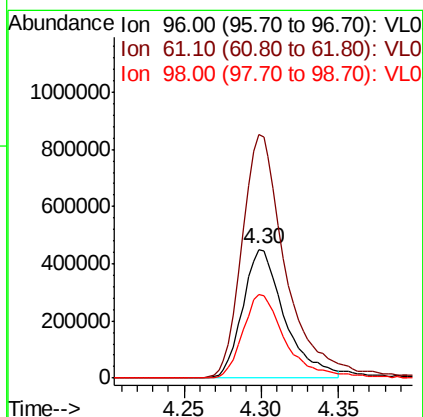
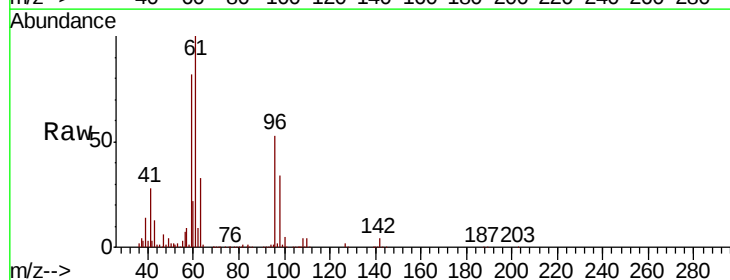


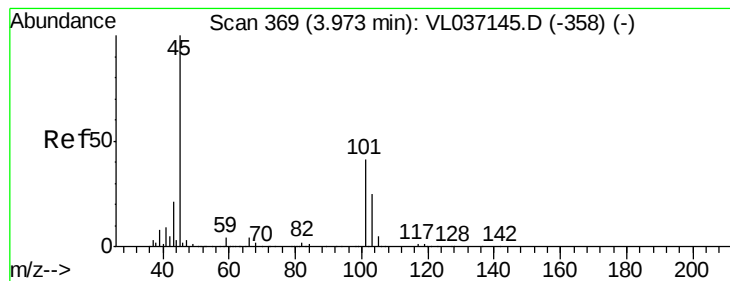
#18

1,1-Dichloroethene
Concen: 10.097 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 96 Resp: 848610

Ion	Ratio	Lower	Upper
96	100		
61	188.7	154.0	231.0
98	64.7	52.3	78.5





#19

Isopropyl Alcohol

Concen: 9.939 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

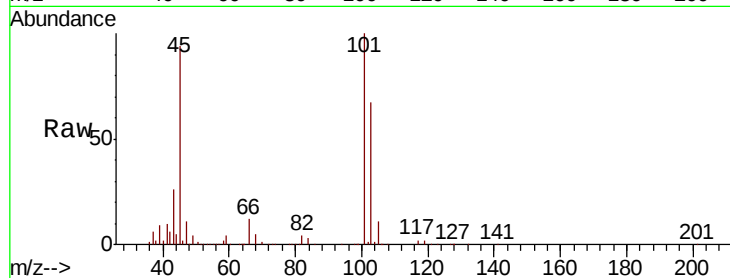
ClientSampleId :

Tot Ion: 45 Resp: 980839

Ion Ratio Lower Upper

45 100

58 2.5 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

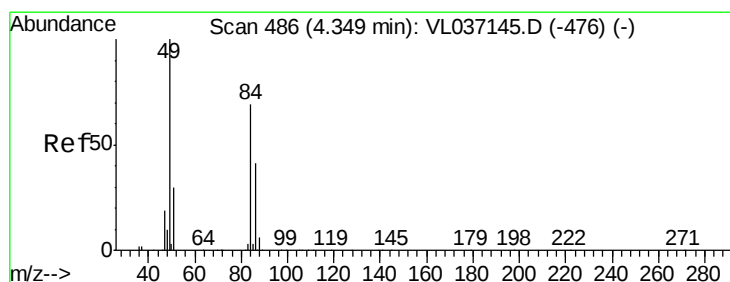
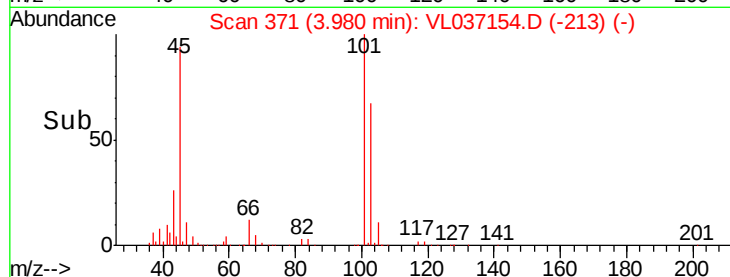
300000

200000

100000

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 8.726 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion: 84 Resp: 683920

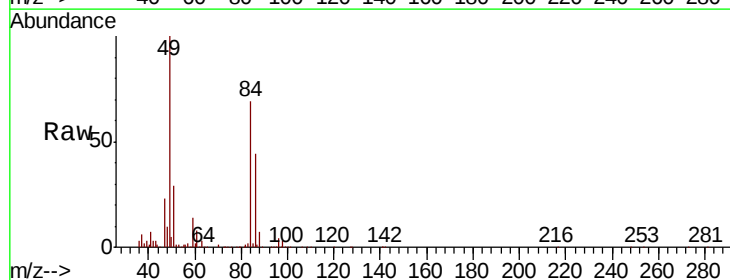
Ion Ratio Lower Upper

84 100

49 142.8 115.3 172.9

51 40.6 34.2 51.4

86 64.7 47.8 71.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

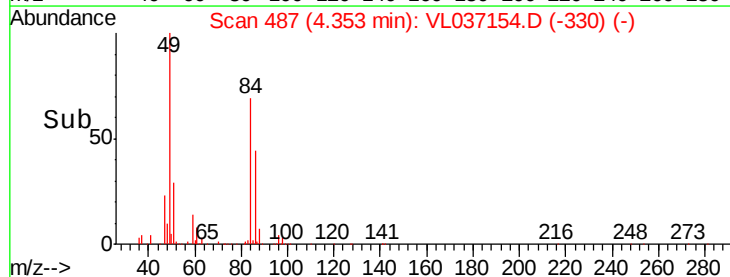
600000

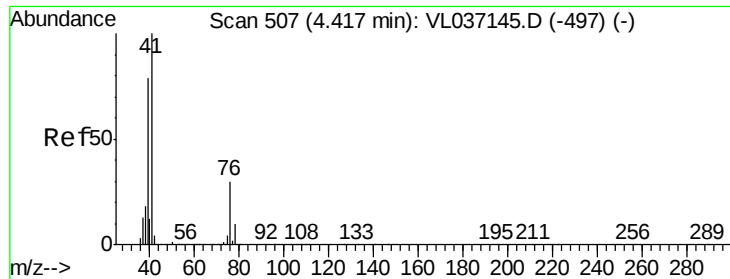
400000

200000

0

Time--> 4.30 4.35 4.40

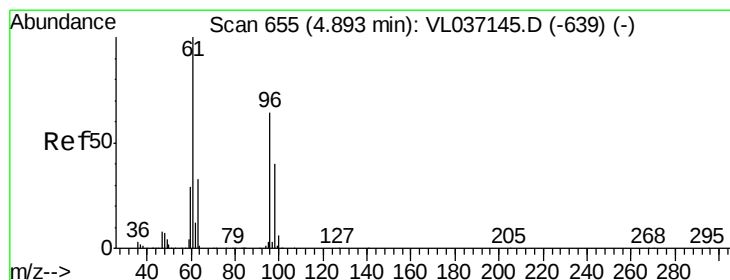
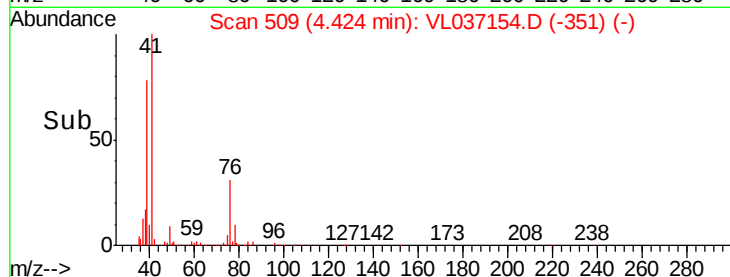
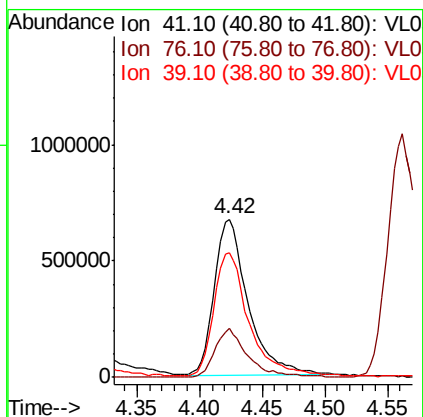
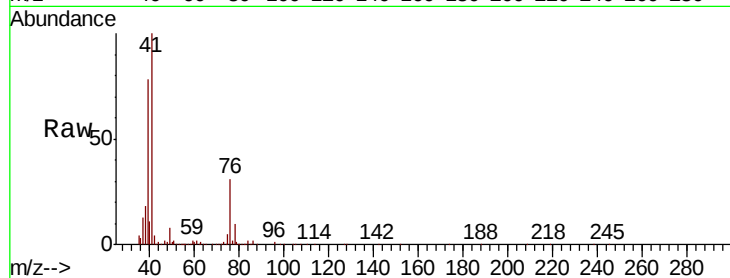




#21
Allvl Chloride
Concen: 10.517 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

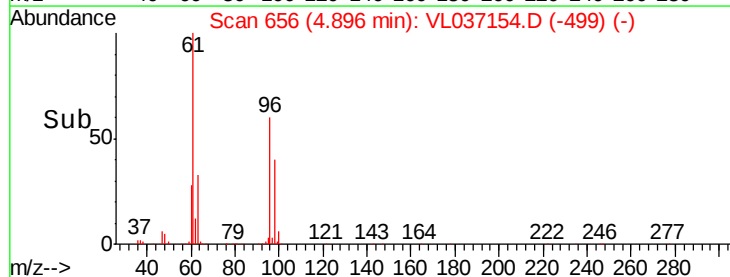
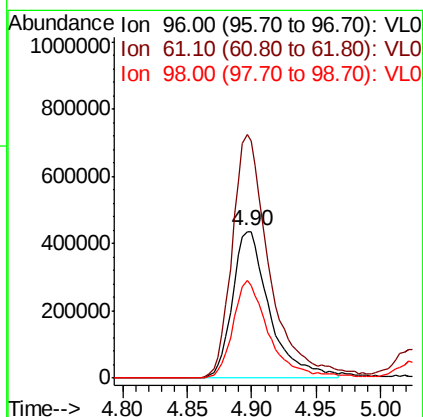
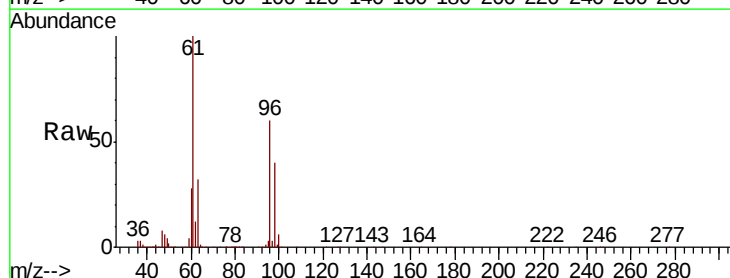
Instrument :
MSVOA_L
ClientSampleId :

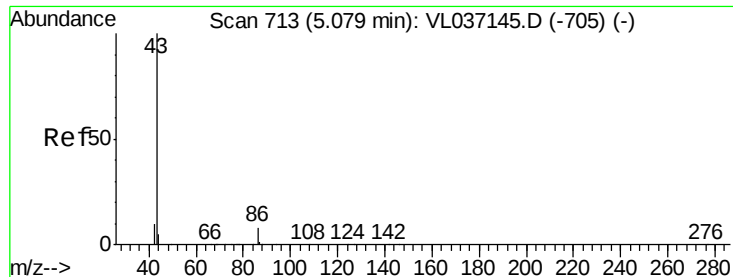
Tot Ion: 41 Resp: 1263517
Ion Ratio Lower Upper
41 100
76 30.7 25.2 37.8
39 82.6 66.2 99.2



#22
trans-1,2-Dichloroethene
Concen: 10.721 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 96 Resp: 877910
Ion Ratio Lower Upper
96 100
61 166.0 125.3 187.9
98 66.8 50.3 75.5



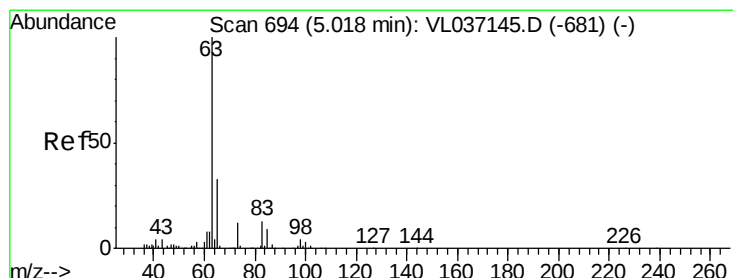
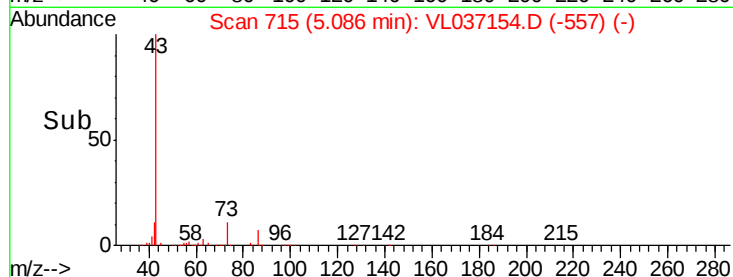
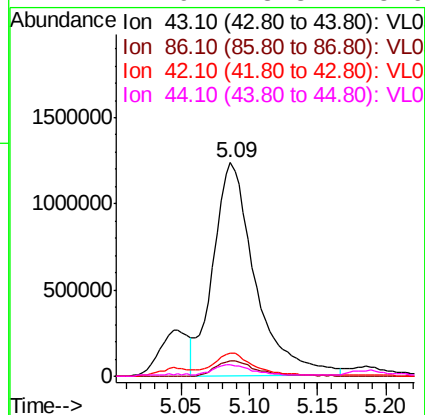
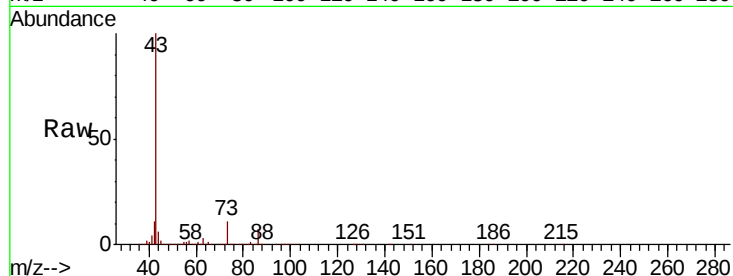


#23
 Vinyl Acetate
 Concen: 11.149 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2632788

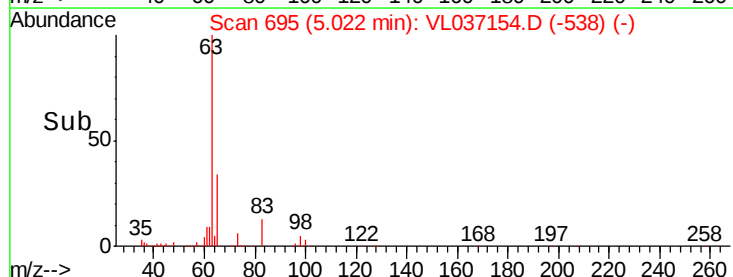
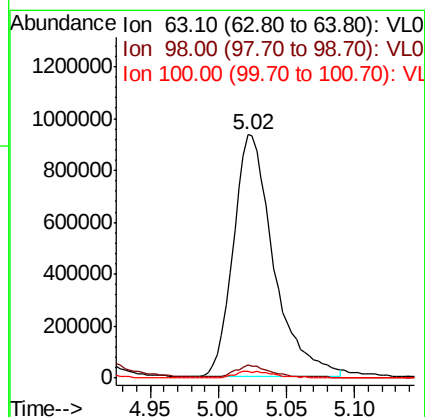
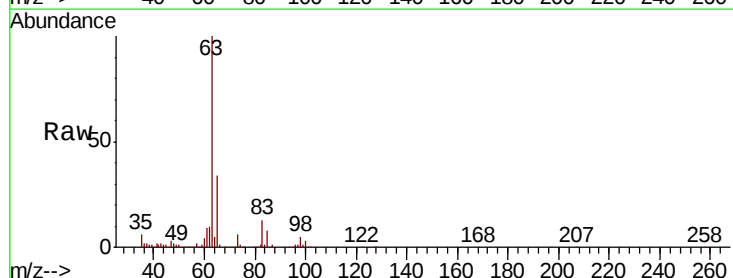
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.4	8.2
42	10.5	8.6	12.8
44	4.9	3.8	5.6

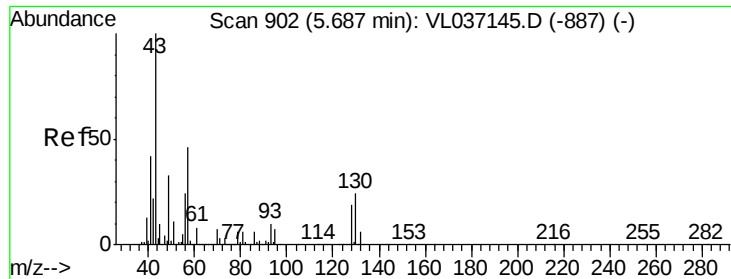


#24
 1,1-Dichloroethane
 Concen: 10.109 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion: 63 Resp: 1915799

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.1
100	2.7	1.6	4.8



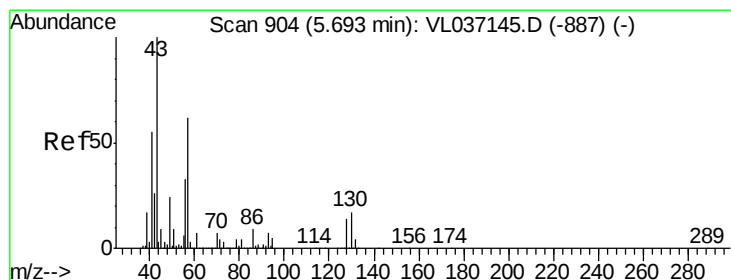
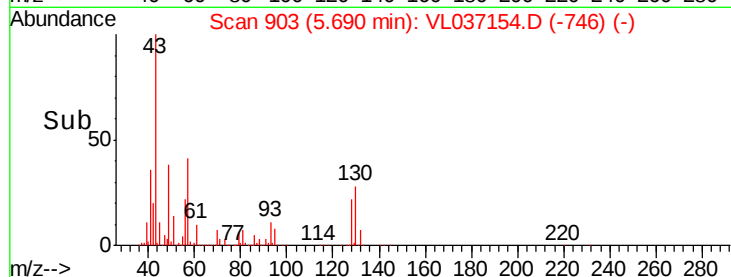
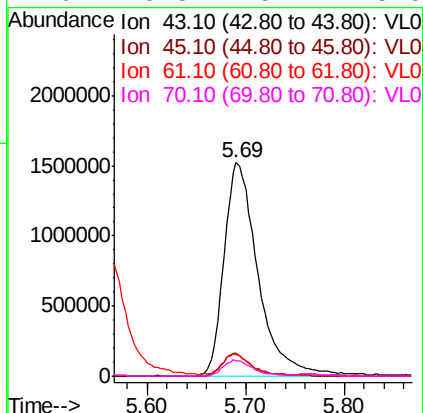
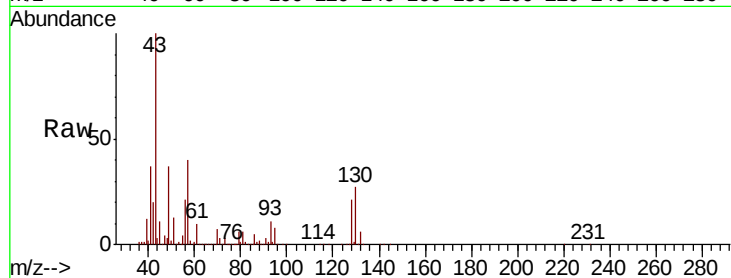


#25
Ethyl Acetate
Concen: 10.346 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3645564

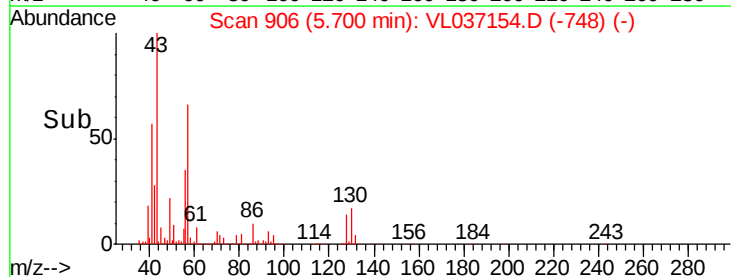
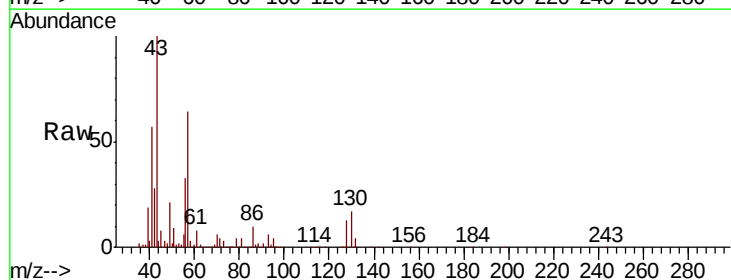
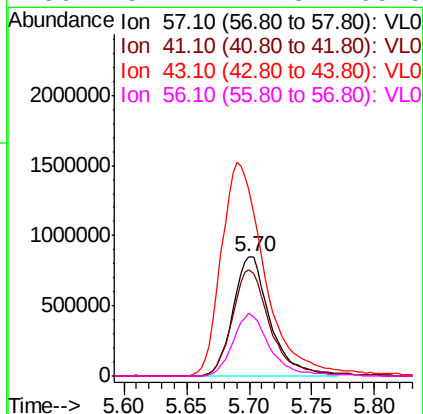
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.7	7.5	11.3
70	6.8	5.7	8.5

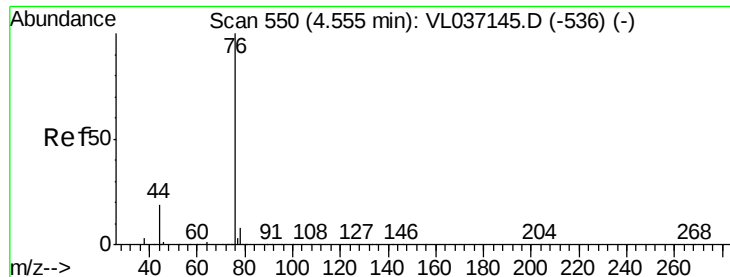


#26
Hexane
Concen: 9.932 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 57 Resp: 1740590

Ion	Ratio	Lower	Upper
57	100		
41	93.0	73.6	110.4
43	212.5	168.8	253.2
56	52.7	42.3	63.5





#27

Carbon Disulfide

Concen: 11.487 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampled :

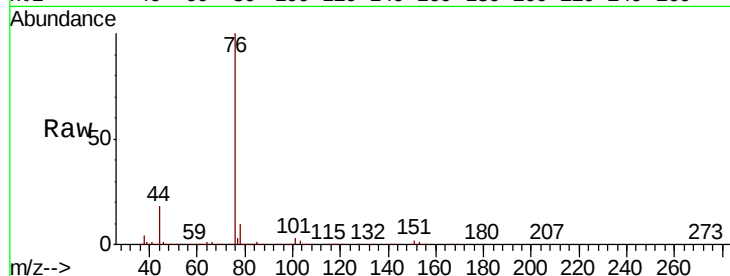
Tot Ion: 76 Resp: 2040855

Ion Ratio Lower Upper

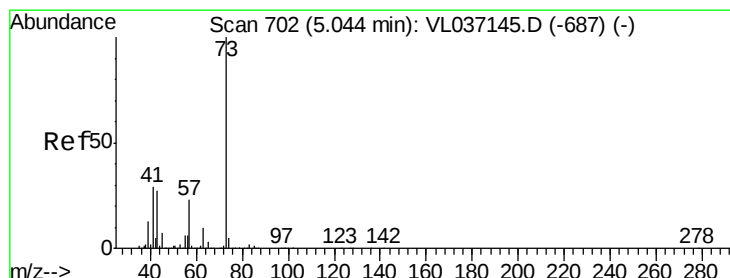
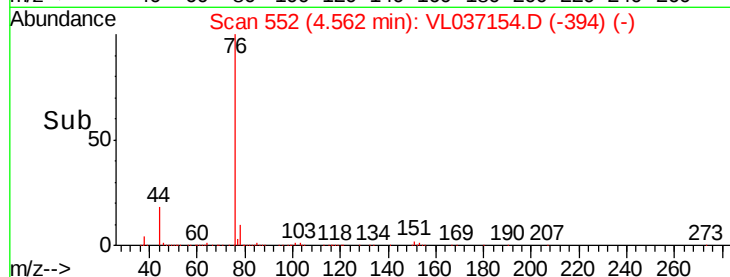
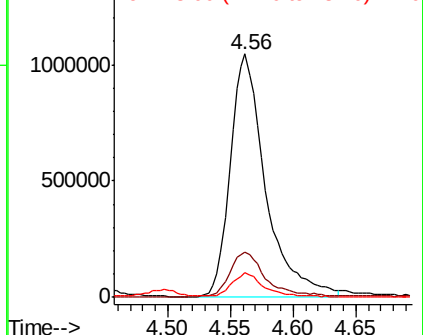
76 100

44 19.4 15.6 23.4

78 9.7 7.6 11.4



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: 10.248 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037154.D

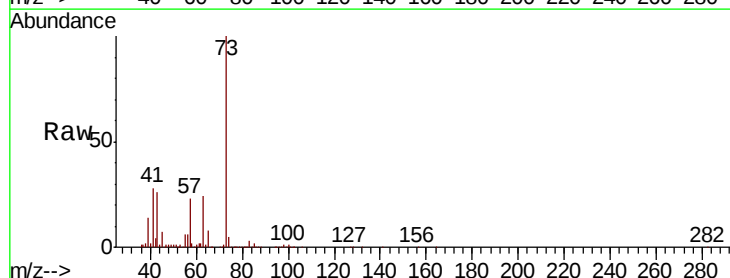
Acq: 15 Jun 2021 9:26

Tgt Ion: 73 Resp: 2249287

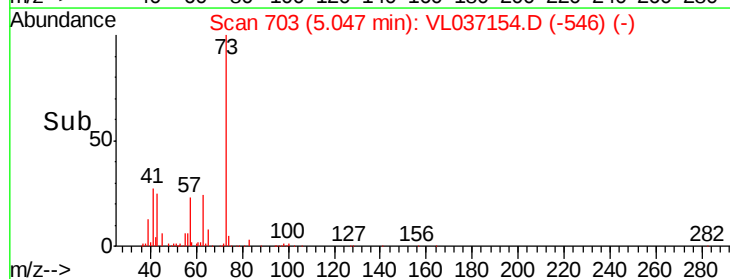
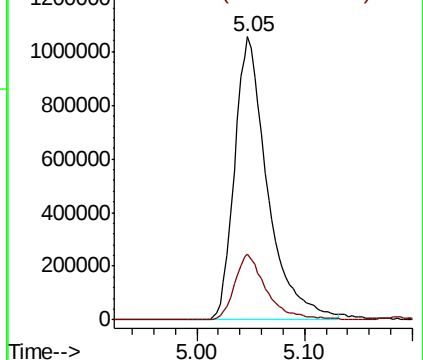
Ion Ratio Lower Upper

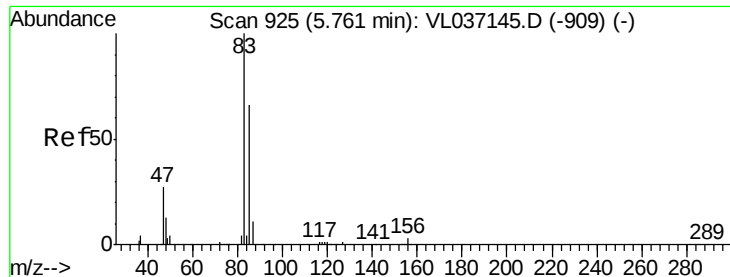
73 100

57 22.6 18.2 27.4



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





#29

Chloroform

Concen: 10.274 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

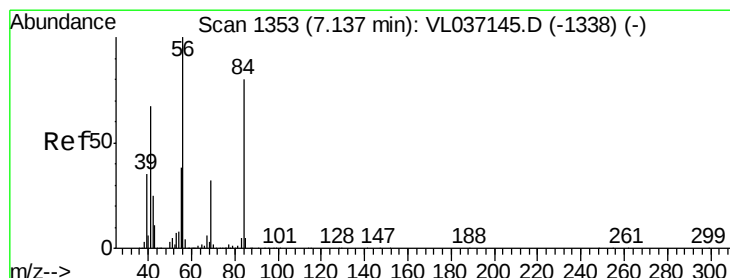
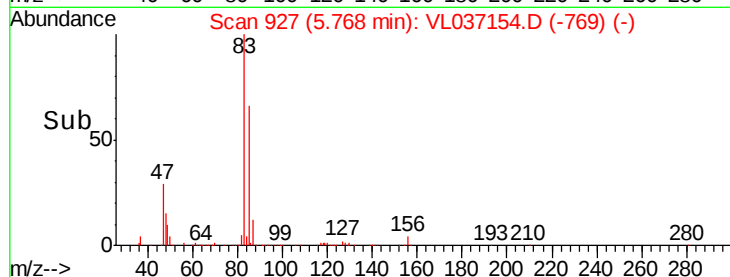
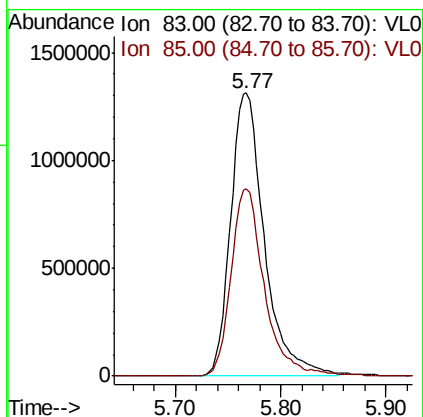
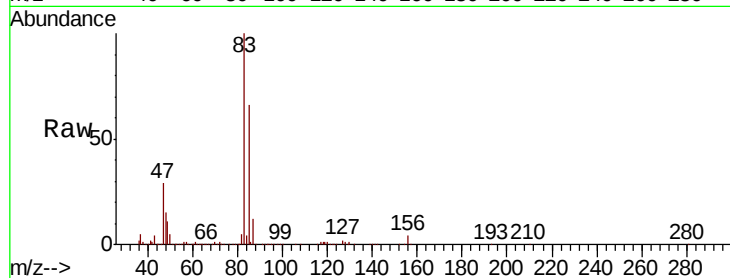
ClientSampleId :

Tot Ion: 83 Resp: 2906470

Ion Ratio Lower Upper

83 100

85 65.8 52.6 78.8



#30

Cyclohexane

Concen: 10.259 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

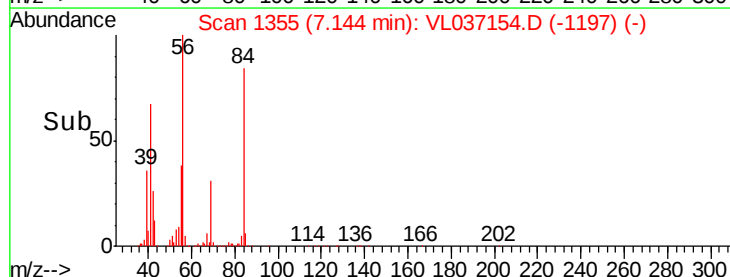
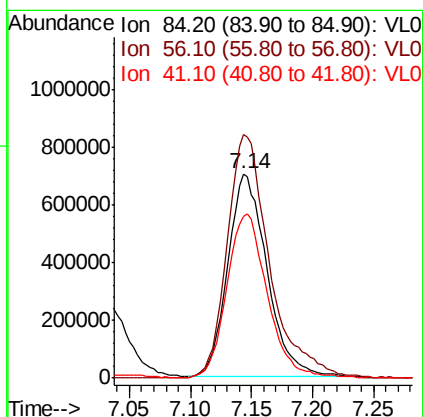
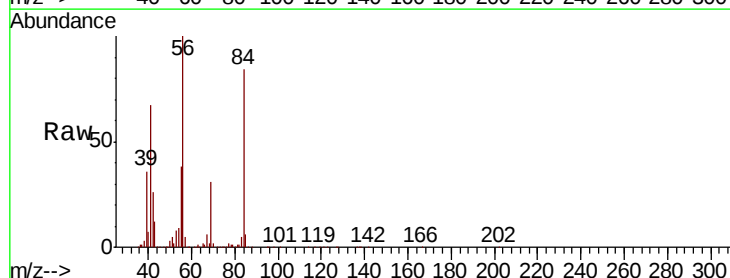
Tgt Ion: 84 Resp: 1567450

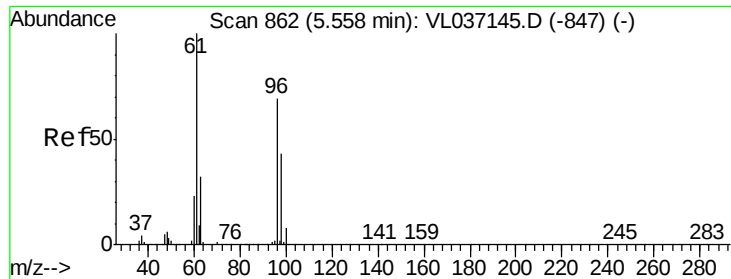
Ion Ratio Lower Upper

84 100

56 131.0 103.9 155.9

41 84.5 66.5 99.7



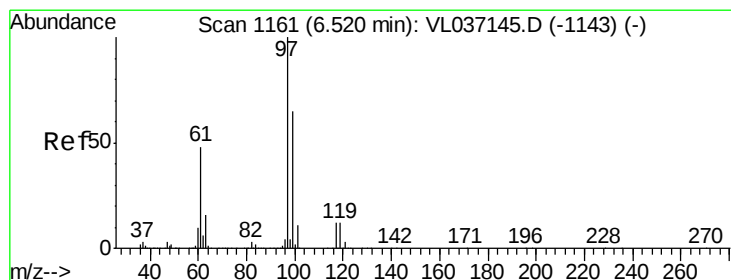
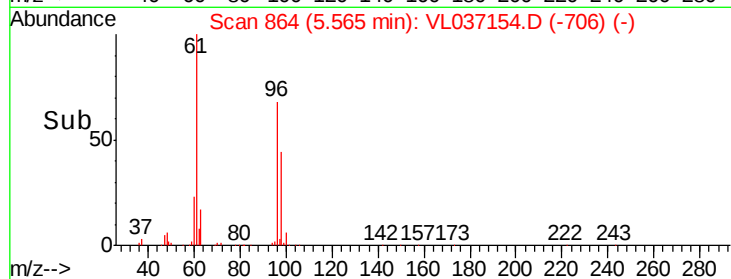
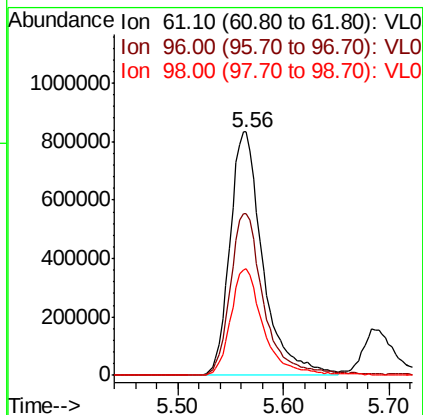
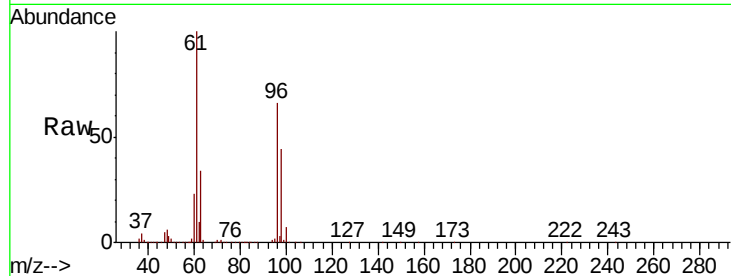


#31

cis-1,2-Dichloroethene
Concen: 10.628 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :

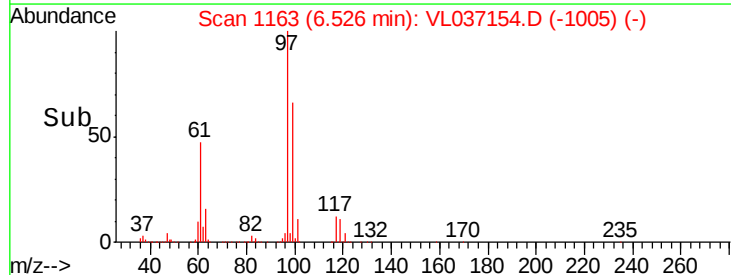
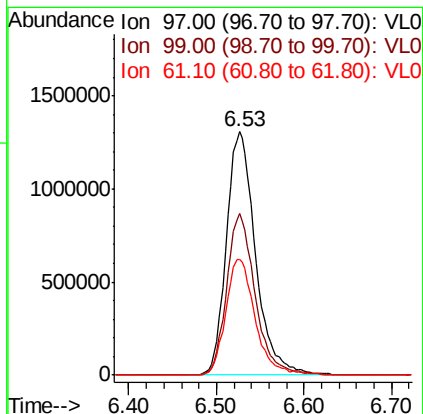
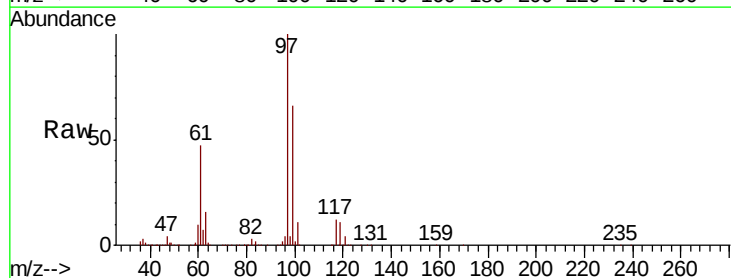
Tot Ion: 61 Resp: 1794956
Ion Ratio Lower Upper
61 100
96 66.5 55.3 82.9
98 43.8 34.7 52.1

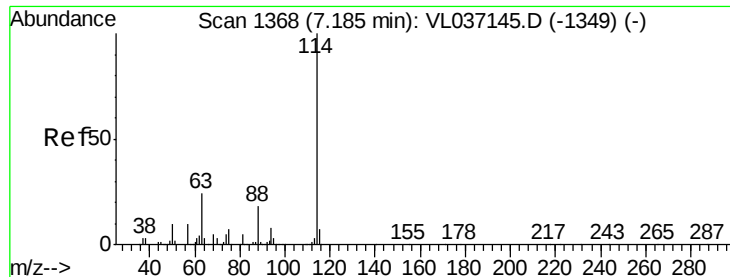


#32

1,1,1-Trichloroethane
Concen: 11.620 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 97 Resp: 3018604
Ion Ratio Lower Upper
97 100
99 65.2 52.4 78.6
61 48.0 38.5 57.7

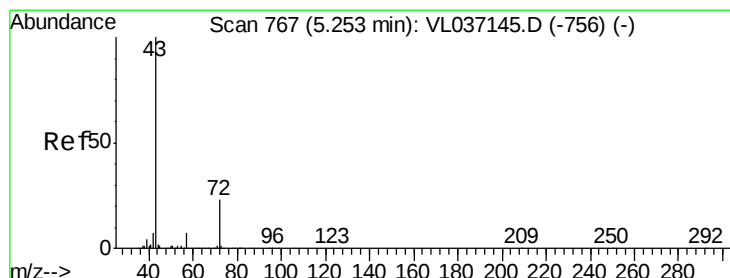
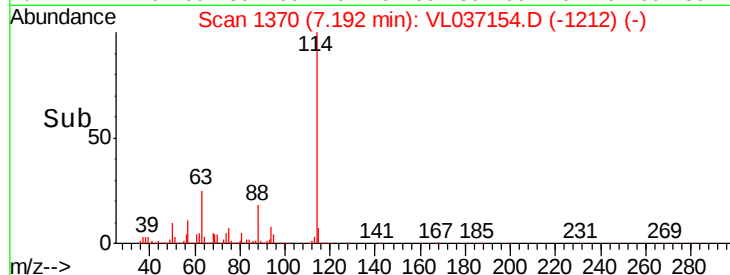
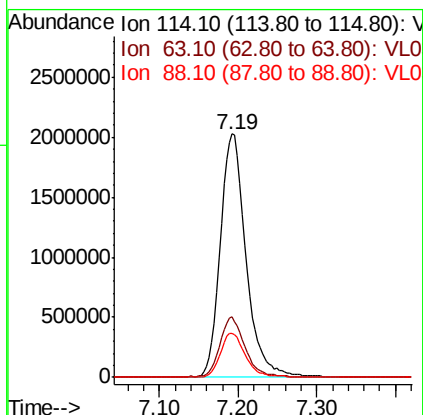
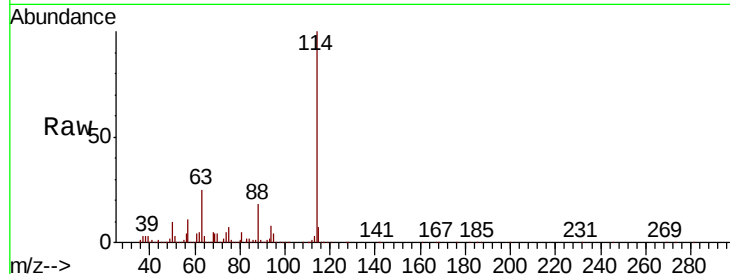




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

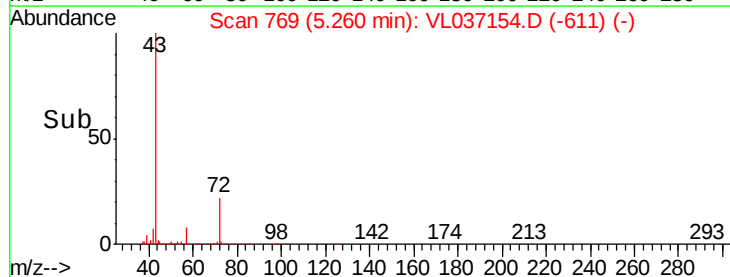
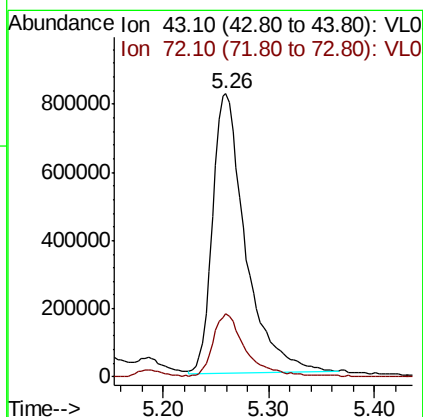
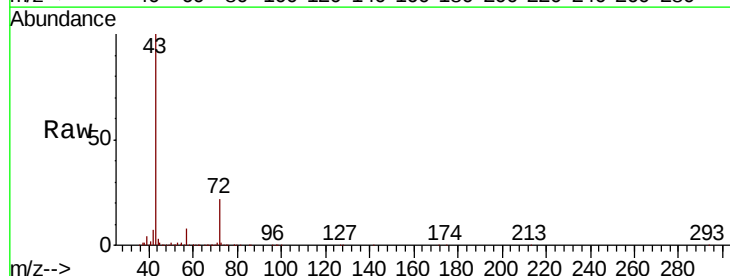
Instrument :
 MSVOA_L
 ClientSampled :

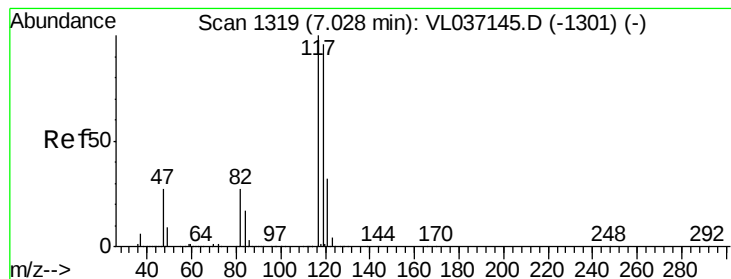
Tot Ion:114 Resp: 4572160
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.8 29.6
 88 17.9 14.3 21.5



#34
 2-Butanone
 Concen: 10.383 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion: 43 Resp: 1782900
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.6 28.0





#35

Carbon Tetrachloride

Concen: 11.543 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

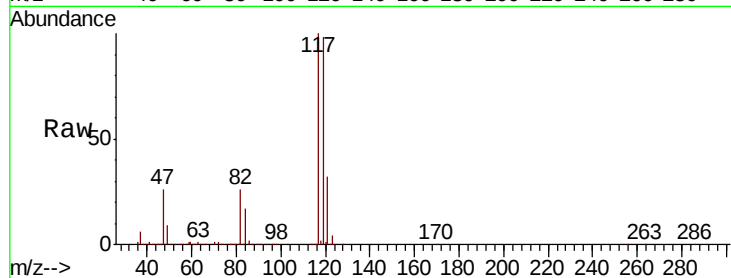
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 3244107

Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.0	115.4
121	32.1	25.4	38.0

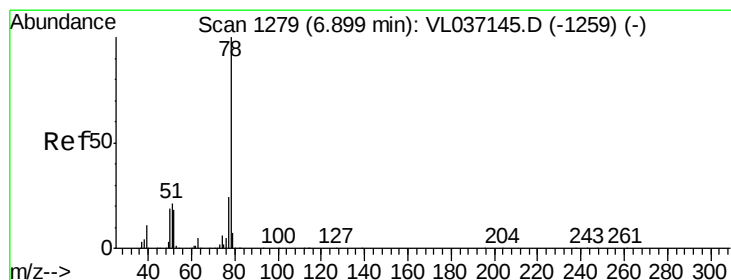
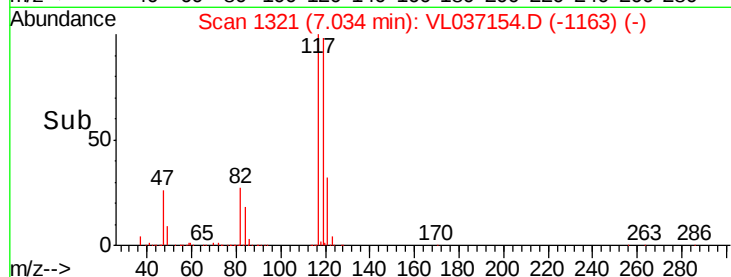
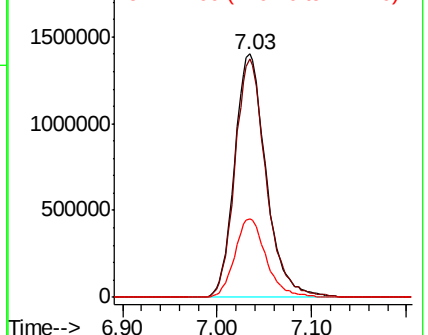


Abundance

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: 10.177 ppbv

RT: 6.91 min Scan# 1281

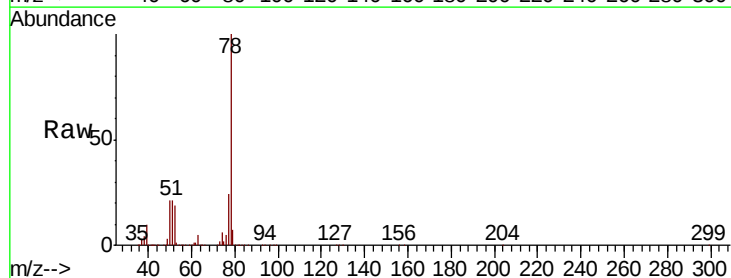
Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion: 78 Resp: 3692330

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3
50	20.6	15.5	23.3

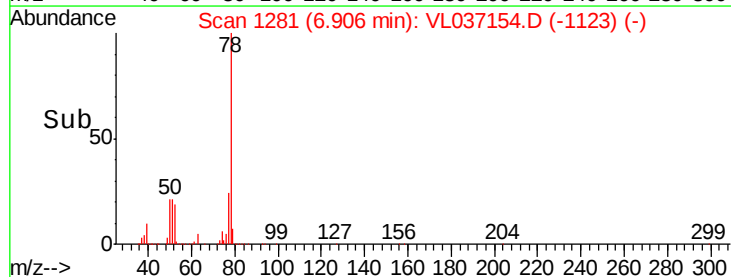
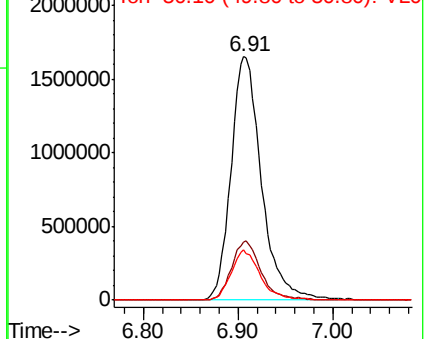


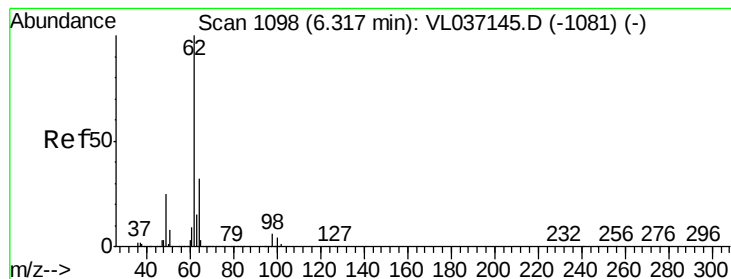
Abundance

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: 10.348 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

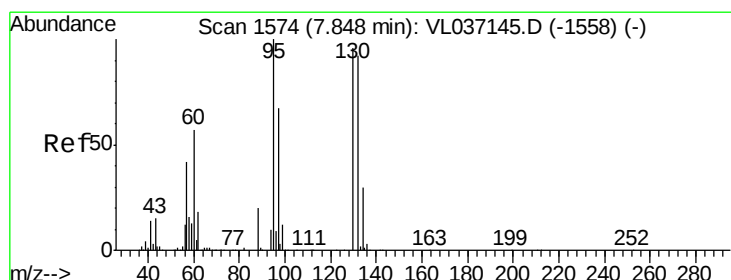
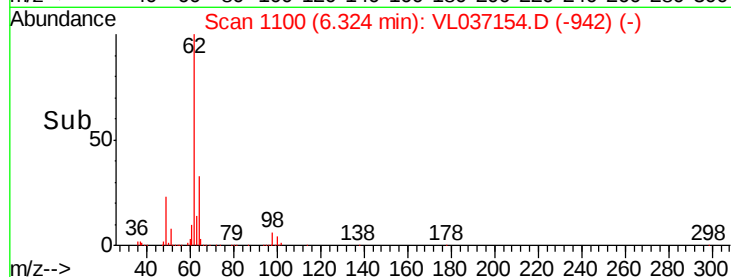
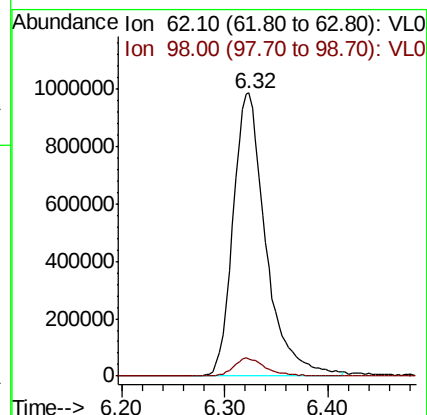
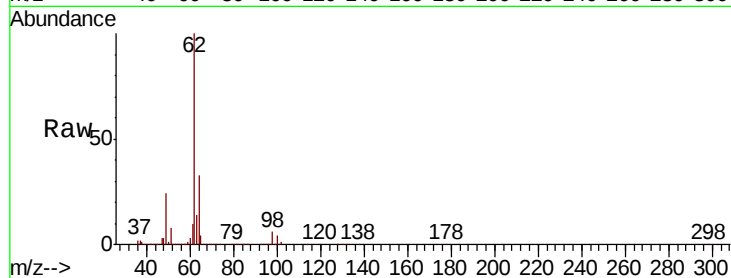
ClientSampled :

Tot Ion: 62 Resp: 2179947

Ion Ratio Lower Upper

62 100

98 6.2 5.1 7.7



#38

Trichloroethene

Concen: 10.320 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion:130 Resp: 1618020

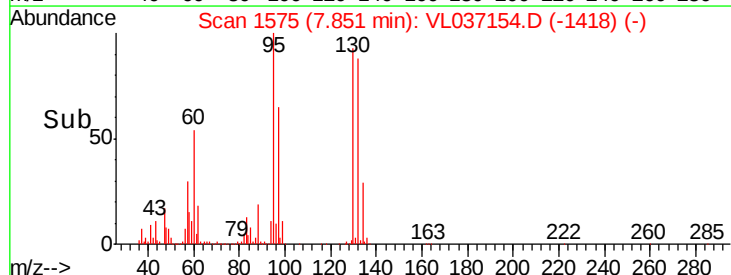
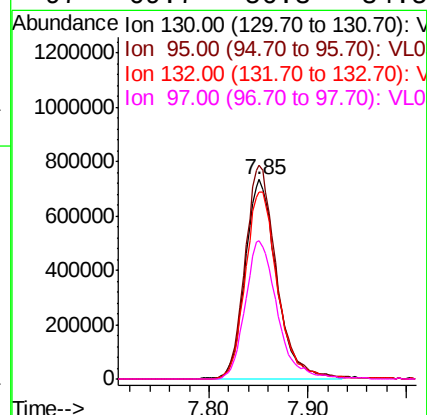
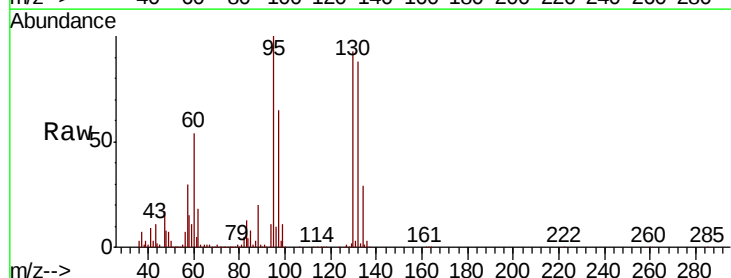
Ion Ratio Lower Upper

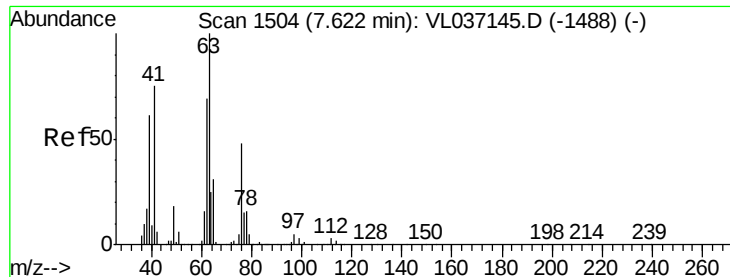
130 100

95 107.2 83.5 125.3

132 94.0 76.8 115.2

97 69.7 56.3 84.5





#39

1,2-Dichloropropane

Concen: 10.218 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

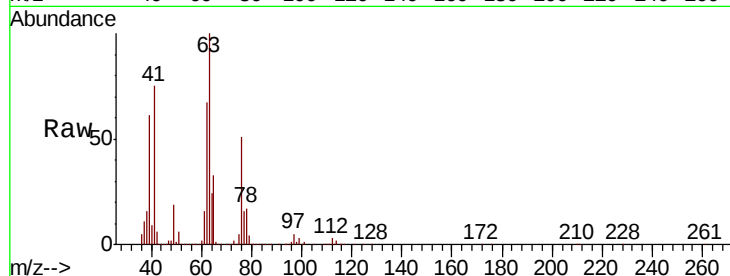
Tot Ion: 63 Resp: 1415291

Ion Ratio Lower Upper

63 100

41 75.1 60.0 90.0

62 66.6 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

800000

600000

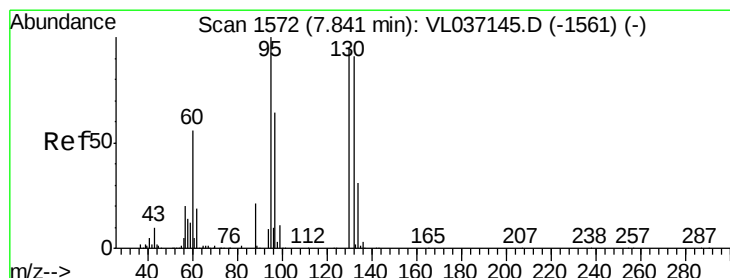
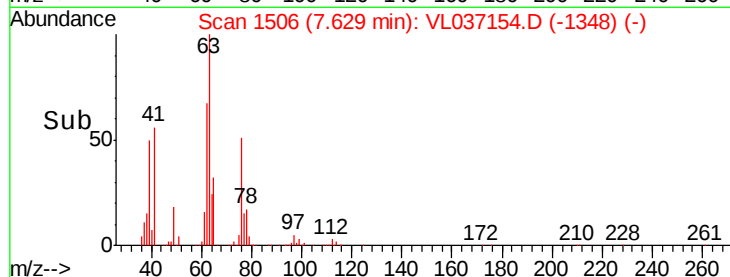
400000

200000

0

7.55 7.60 7.65 7.70

Time-->



#40

1,4-Dioxane

Concen: 9.936 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion: 88 Resp: 385370

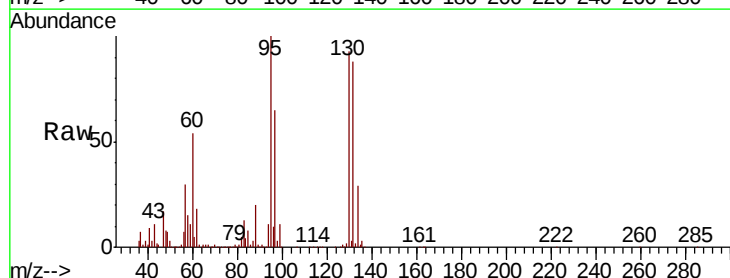
Ion Ratio Lower Upper

88 100

58 152.4 115.6 173.4

43 360.3 278.3 417.5

57 1570.9 1207.4 1811.0



Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

3000000

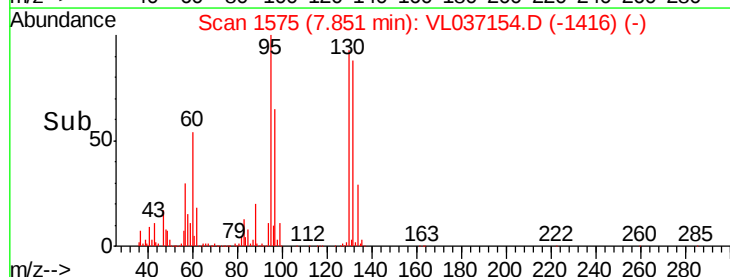
2000000

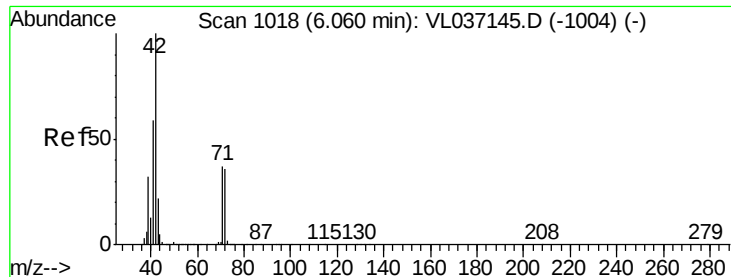
1000000

0

7.80 7.85 7.90 7.95

Time-->

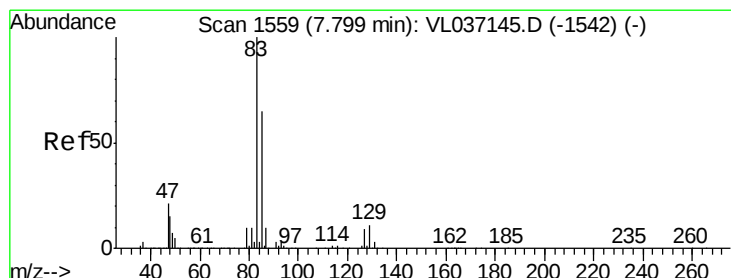
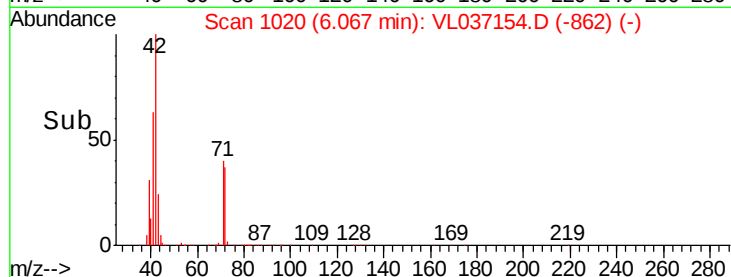
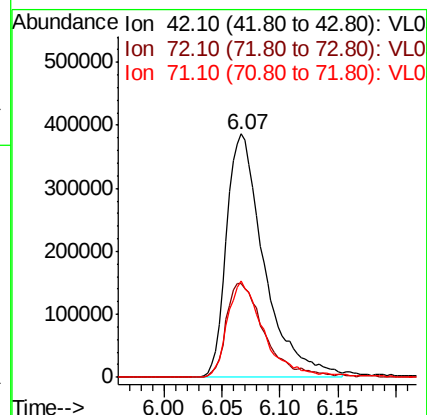
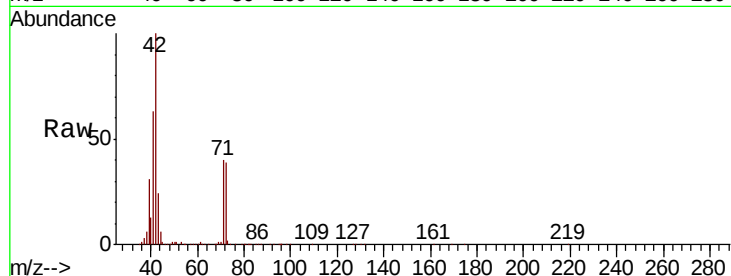




#41
Tetrahydrofuran
Concen: 10.384 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

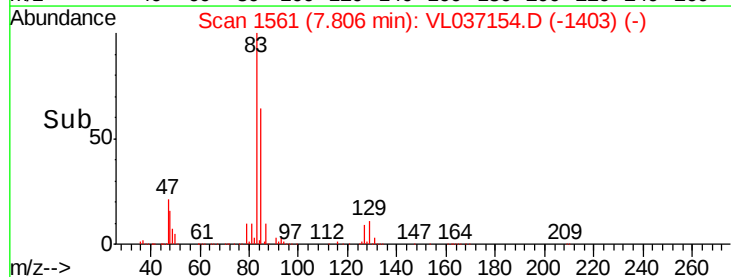
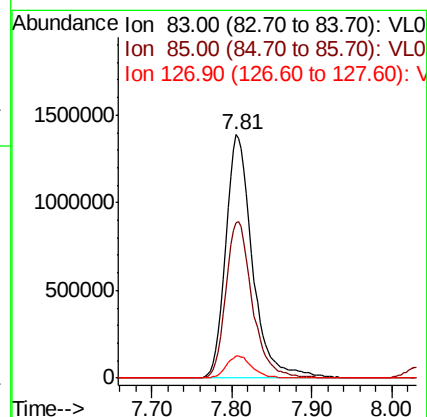
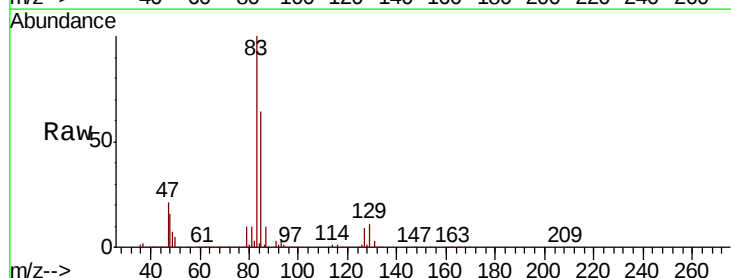
Instrument :
MSVOA_L
ClientSampled :

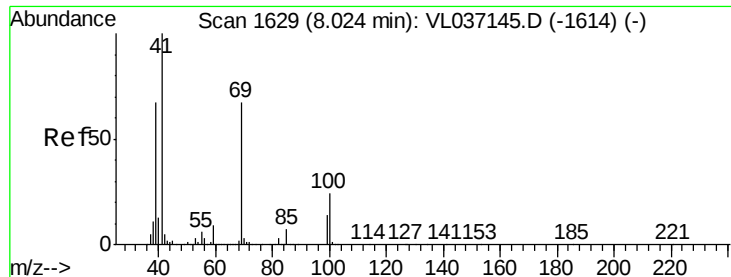
Tot Ion: 42 Resp: 867729
Ion Ratio Lower Upper
42 100
72 40.4 31.7 47.5
71 39.6 31.0 46.6



#42
Bromodichloromethane
Concen: 11.041 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 83 Resp: 3204610
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5
127 8.9 7.4 11.0

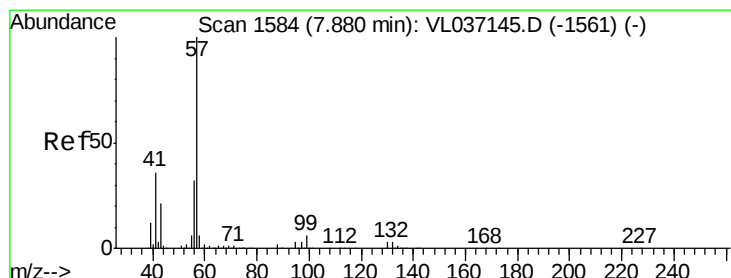
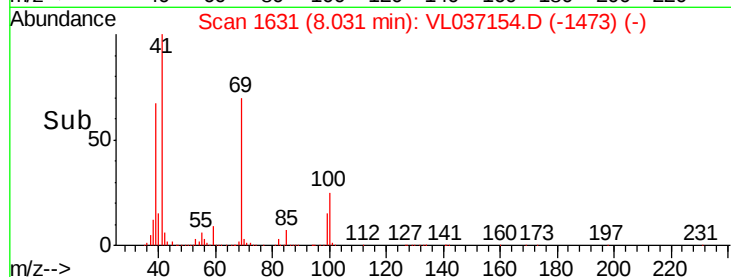
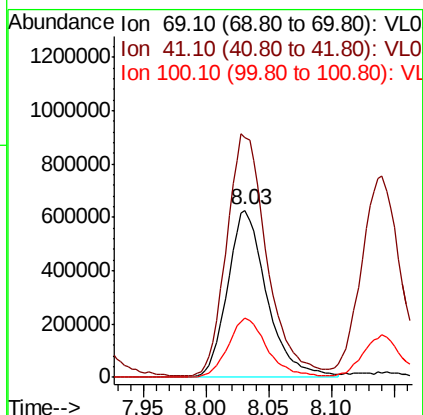
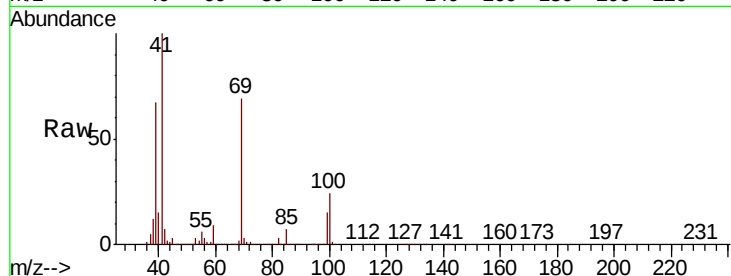




#43
Methyl Methacrylate
Concen: 10.907 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

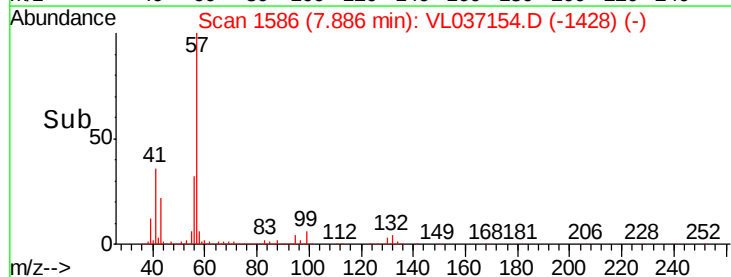
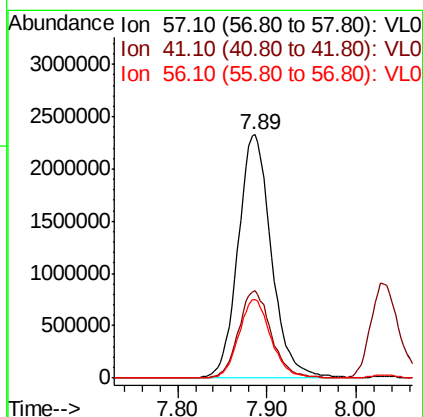
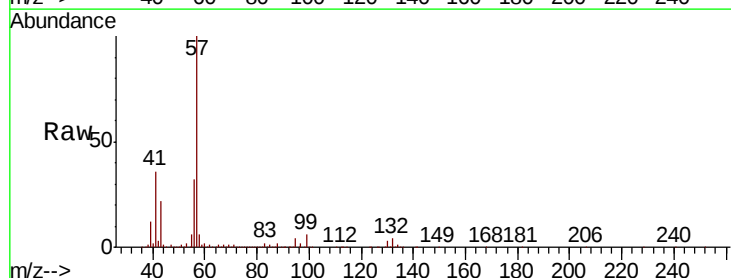
Instrument :
MSVOA_L
ClientSampleId :

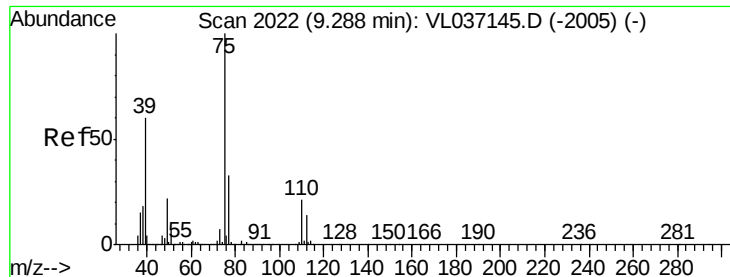
Tot Ion: 69 Resp: 1357535
Ion Ratio Lower Upper
69 100
41 150.0 117.7 176.5
100 35.6 27.9 41.9



#44
2,2,4-Trimethylpentane
Concen: 9.940 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 57 Resp: 6036173
Ion Ratio Lower Upper
57 100
41 35.1 28.1 42.1
56 31.4 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.199 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

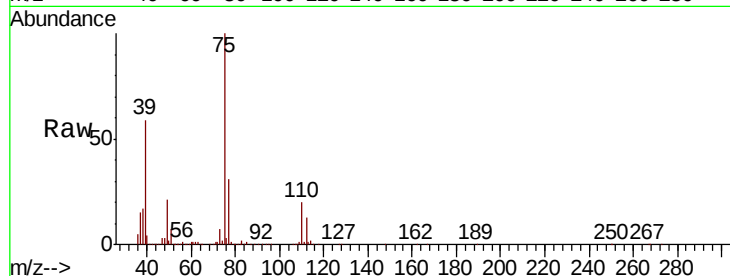
ClientSampleId :

Tot Ion: 75 Resp: 1368350

Ion Ratio Lower Upper

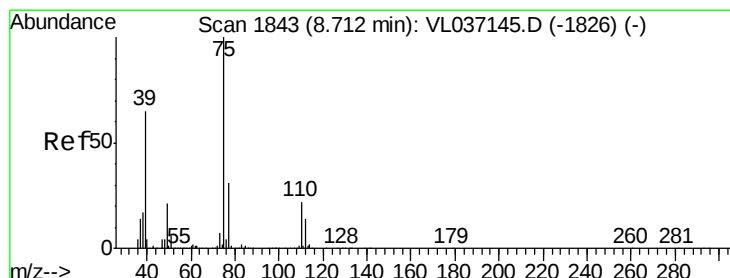
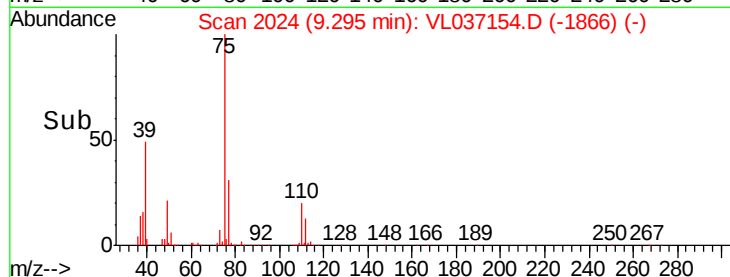
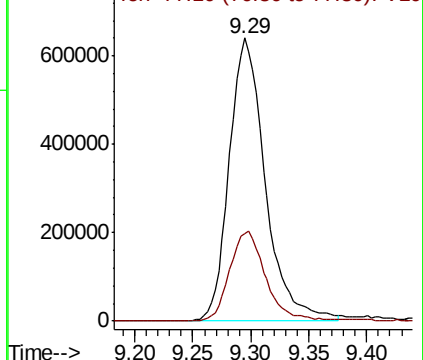
75 100

77 31.1 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.423 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

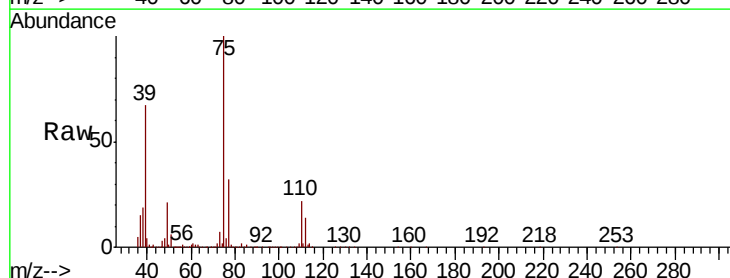
Tgt Ion: 75 Resp: 1709576

Ion Ratio Lower Upper

75 100

39 66.8 52.2 78.4

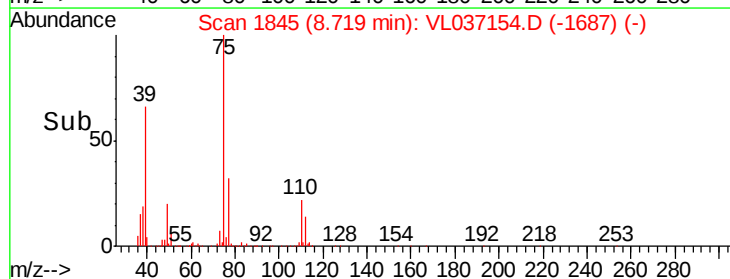
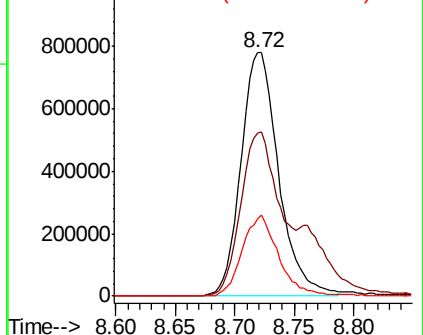
77 31.6 24.5 36.7

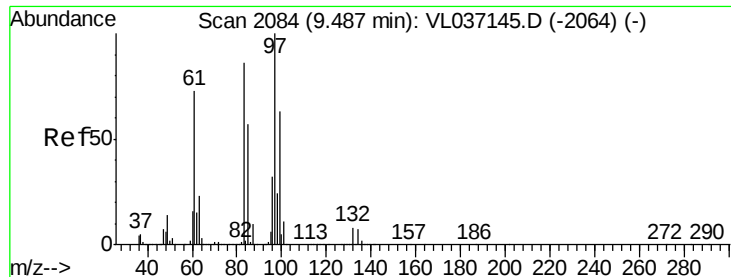


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



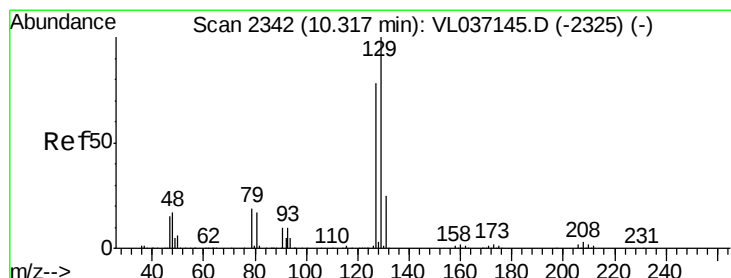
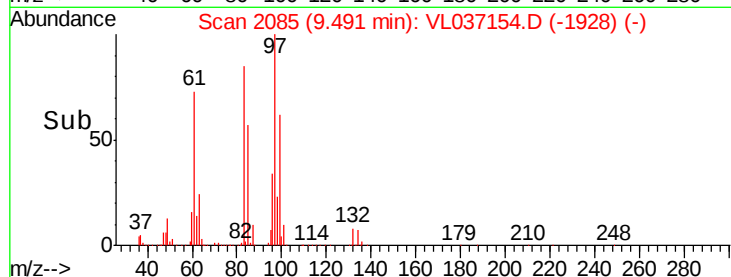
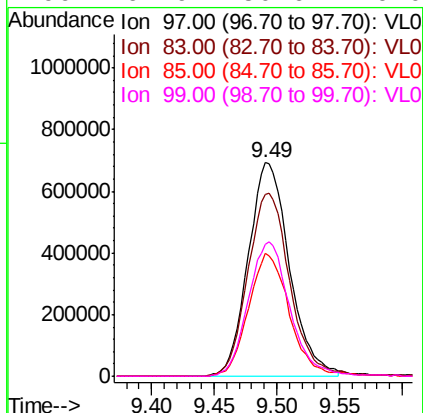
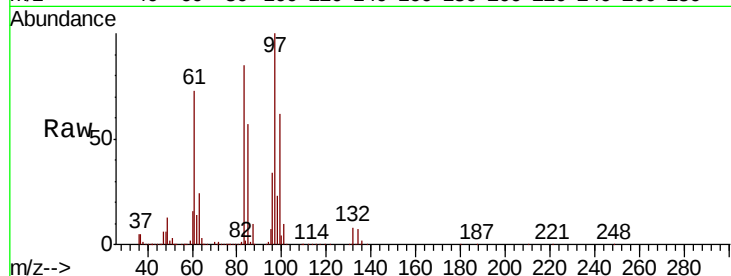


#47
 1,1,2-Trichloroethane
 Concen: 10.051 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1579108

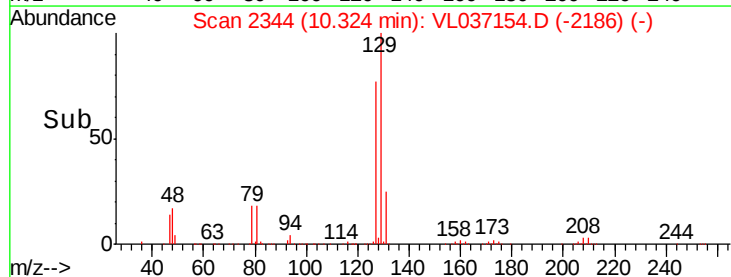
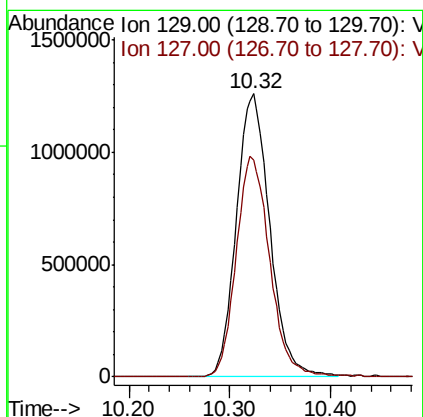
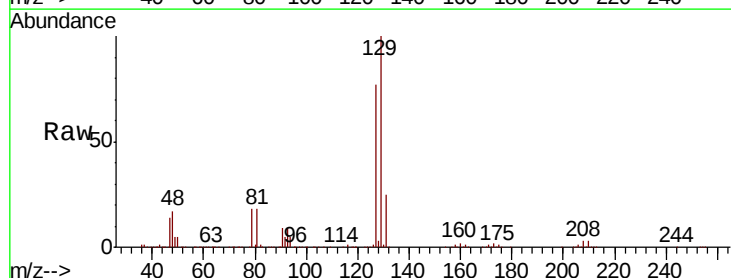
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.0	103.4
85	57.2	45.7	68.5
99	61.9	50.6	76.0

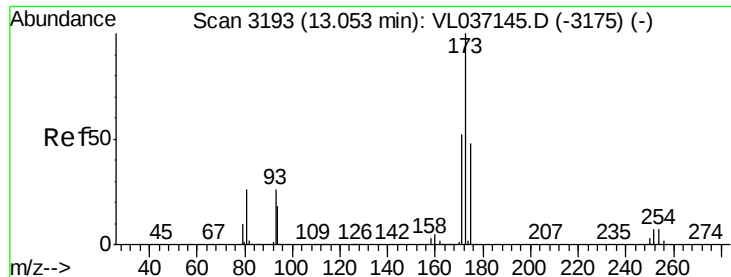


#48
 Dibromochloromethane
 Concen: 11.429 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion: 129 Resp: 2896847

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.4	118.2





#49

Bromoform

Concen: 12.193 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

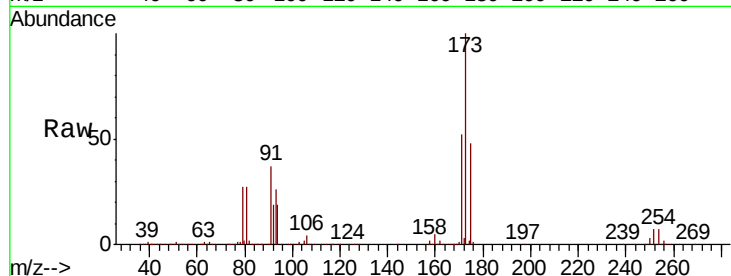
Tot Ion:173 Resp: 2414188

Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.6

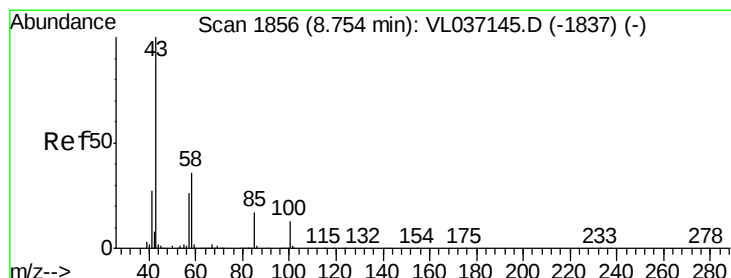
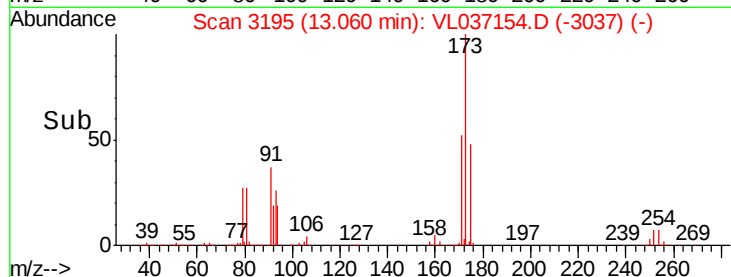
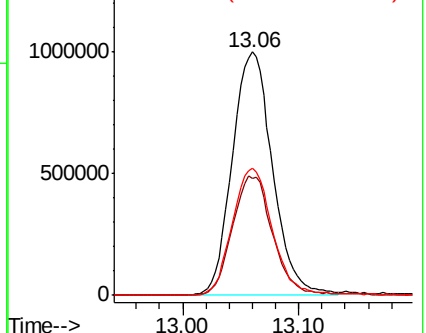
171 52.9 42.5 63.7



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: 10.623 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL037154.D

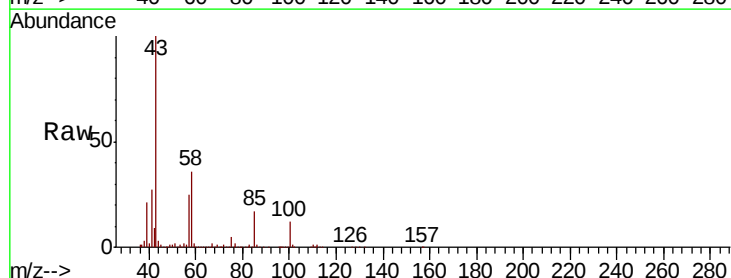
Acq: 15 Jun 2021 9:26

Tgt Ion: 43 Resp: 2683299

Ion Ratio Lower Upper

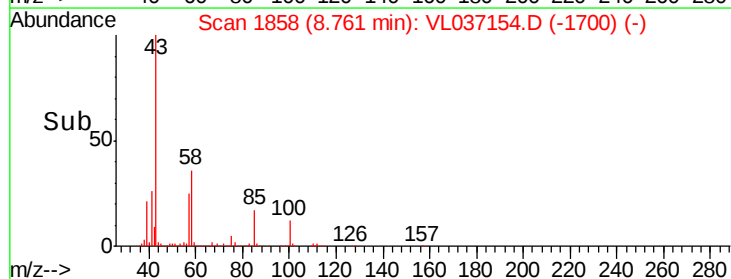
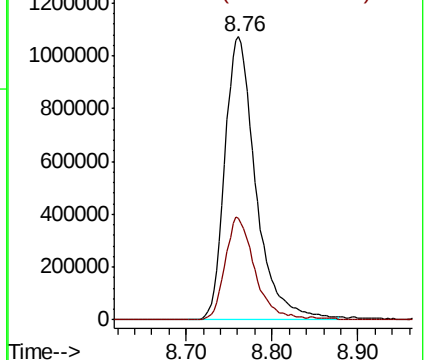
43 100

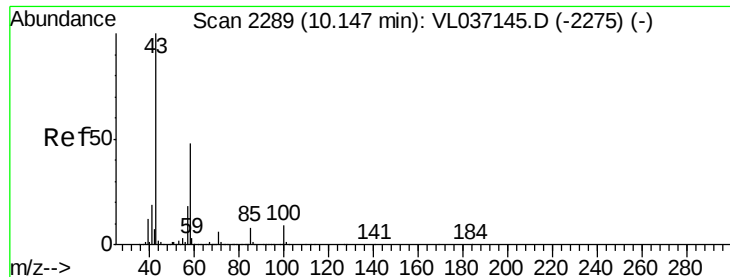
58 35.6 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

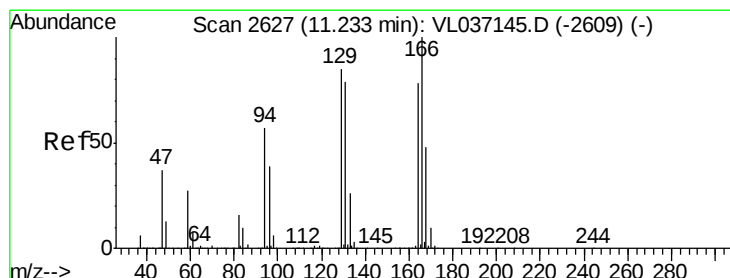
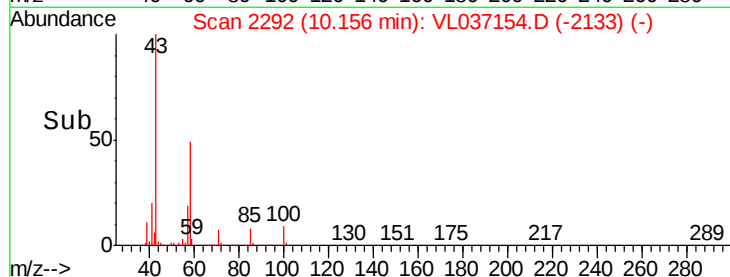
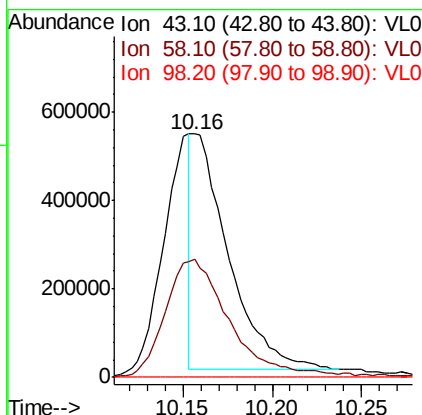
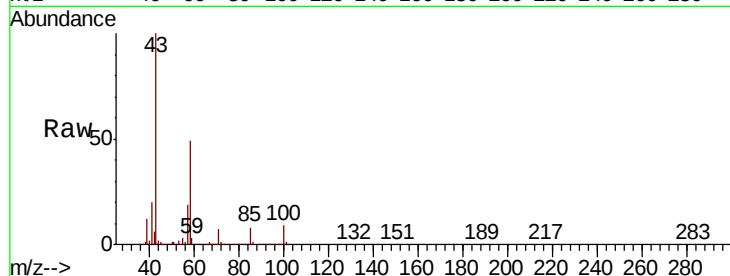




#51
2-Hexanone
Concen: 5.921 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

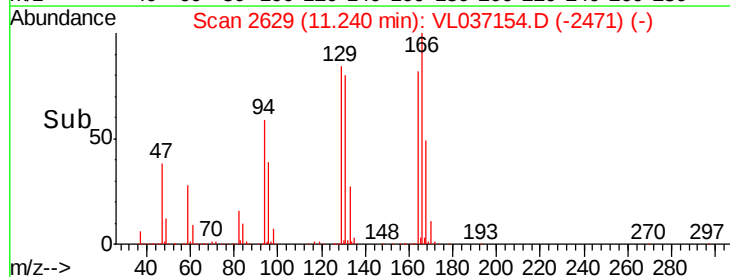
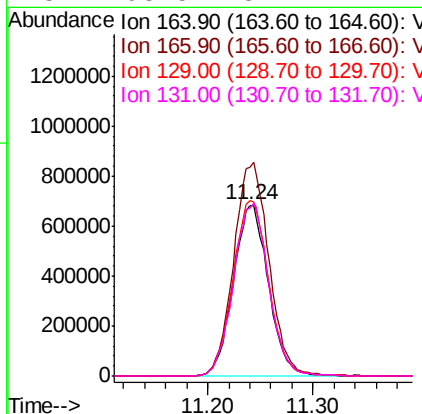
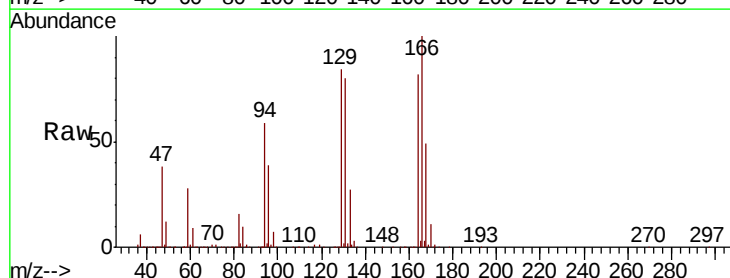
Instrument :
MSVOA_L
ClientSampleId :

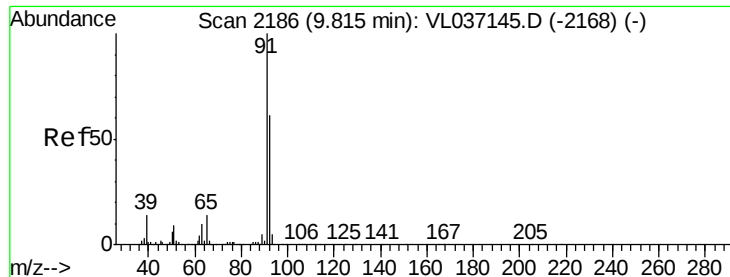
Tot Ion: 43 Resp: 746484
Ion Ratio Lower Upper
43 100
58 92.2 40.1 60.1#
98 0.8 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.471 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 164 Resp: 1571119
Ion Ratio Lower Upper
164 100
166 122.3 102.6 154.0
129 102.7 87.4 131.2
131 98.5 81.4 122.2





#53

Toluene

Concen: 10.382 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

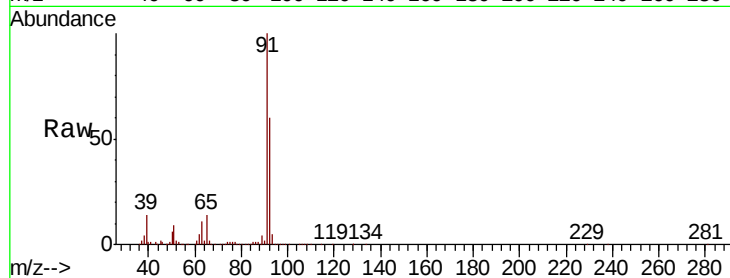
ClientSampled :

Tot Ion: 91 Resp: 4477427

Ion Ratio Lower Upper

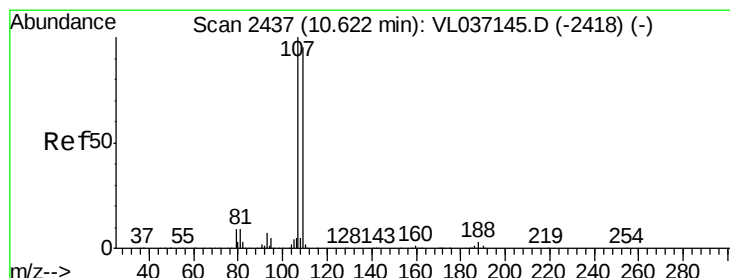
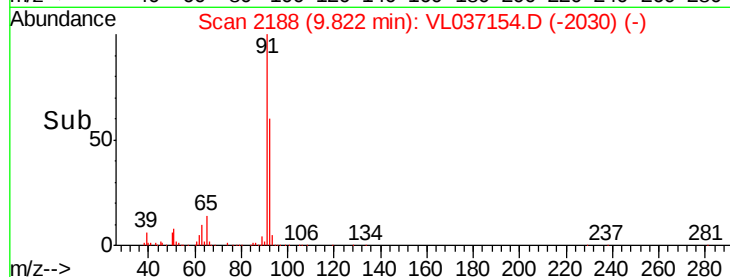
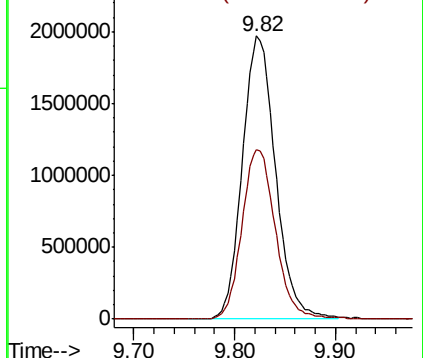
91 100

92 60.6 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.327 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037154.D

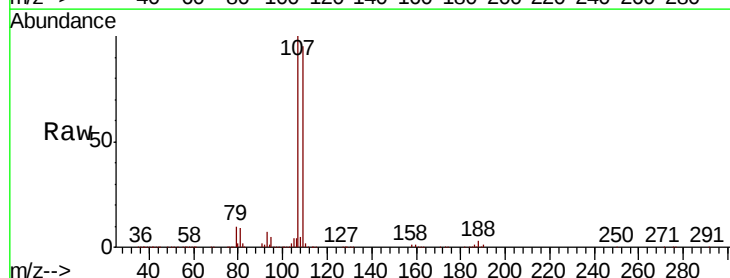
Acq: 15 Jun 2021 9:26

Tgt Ion: 107 Resp: 2375660

Ion Ratio Lower Upper

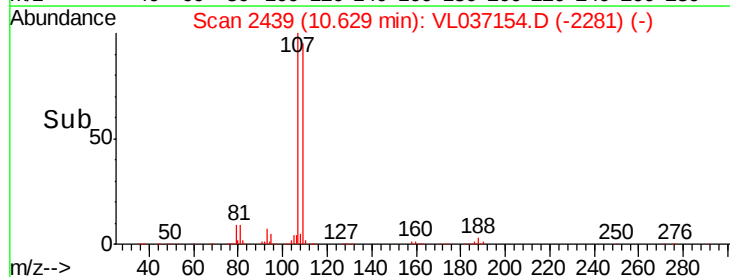
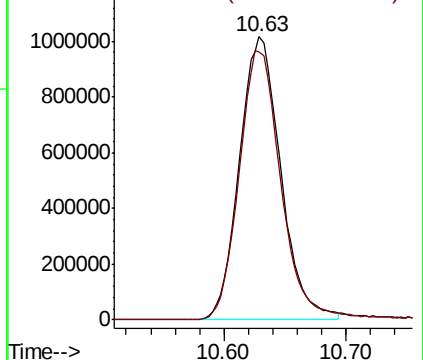
107 100

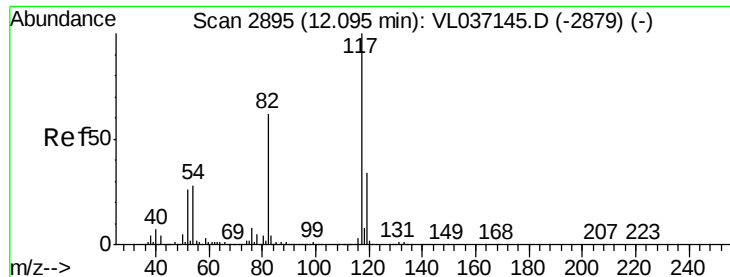
109 94.5 75.6 113.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

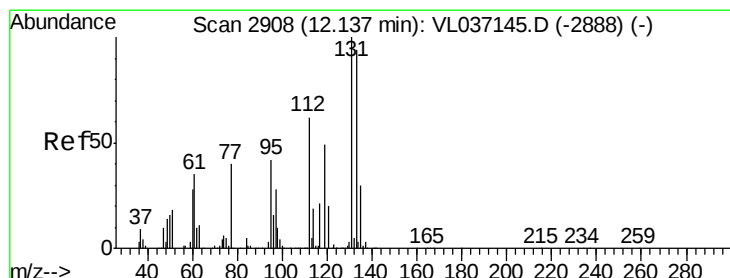
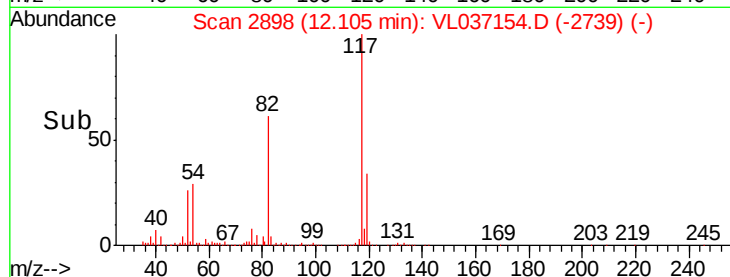
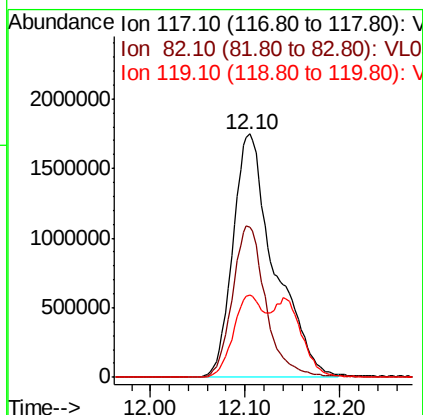
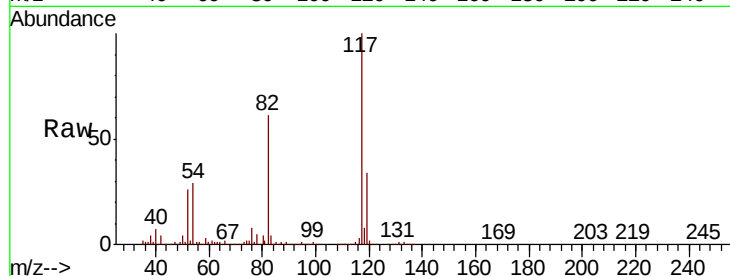




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

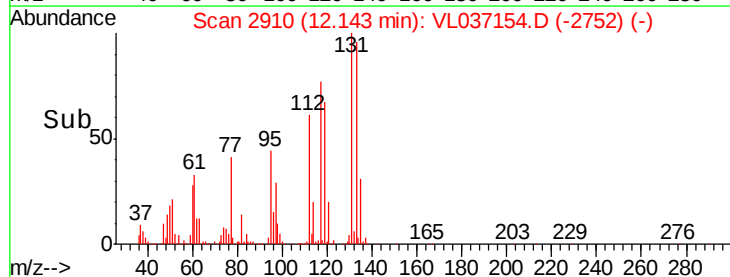
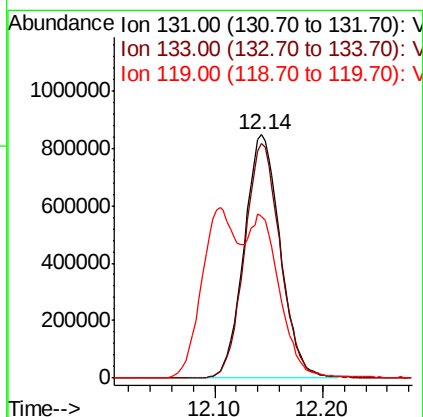
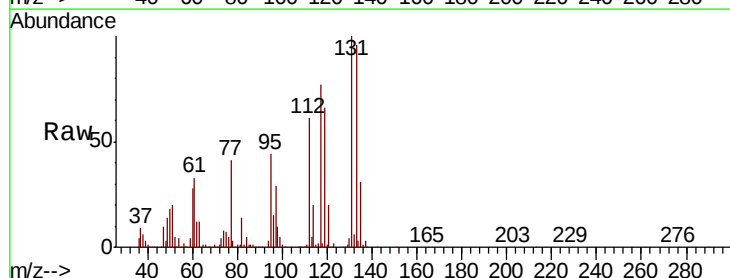
Instrument :
MSVOA_L
ClientSampleId :

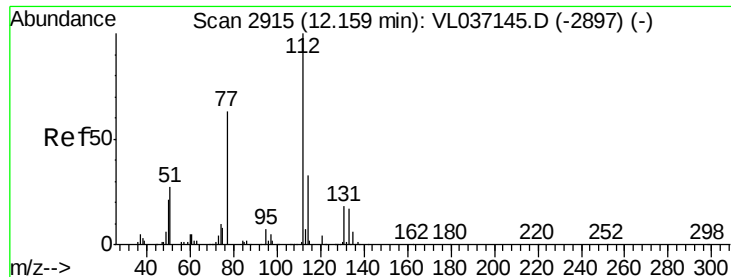
Tot Ion:117 Resp: 5340748
Ion Ratio Lower Upper
117 100
82 50.6 50.6 76.0#
119 26.8 27.1 40.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.442 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion:131 Resp: 1966307
Ion Ratio Lower Upper
131 100
133 96.3 76.7 115.1
119 58.3 50.7 76.1

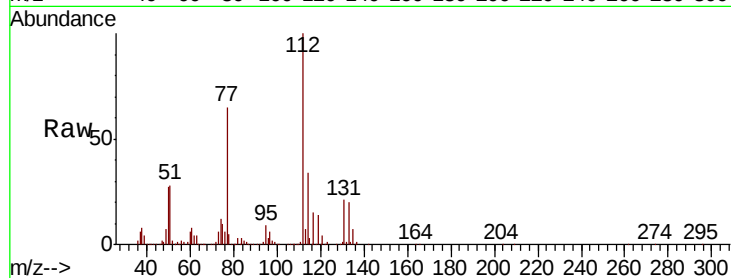




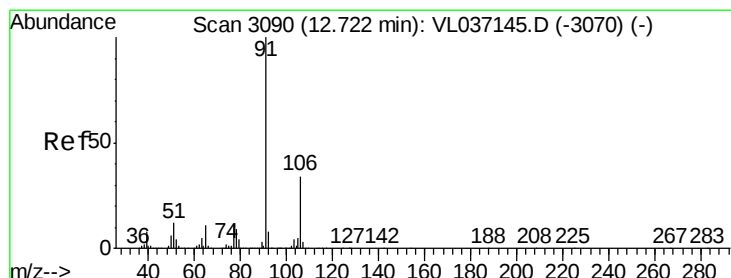
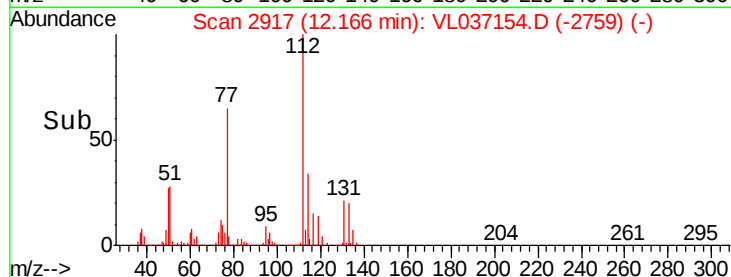
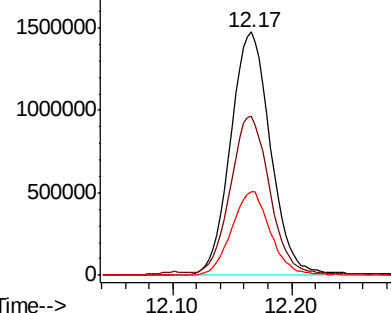
#57
Chlorobenzene
Concen: 7.997 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3422305
Ion Ratio Lower Upper
112 100
77 64.2 51.4 77.2
114 34.1 29.7 36.3

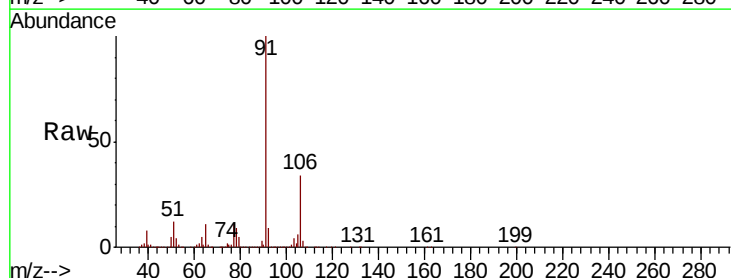


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

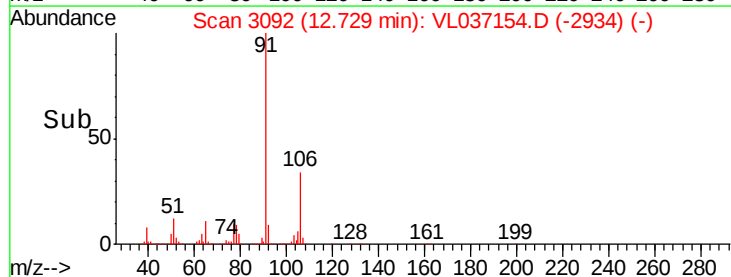
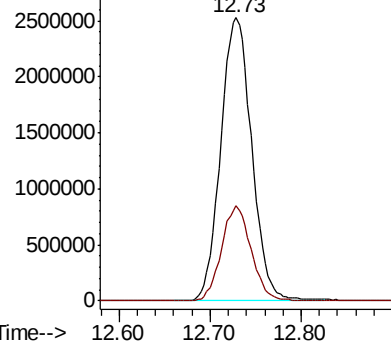


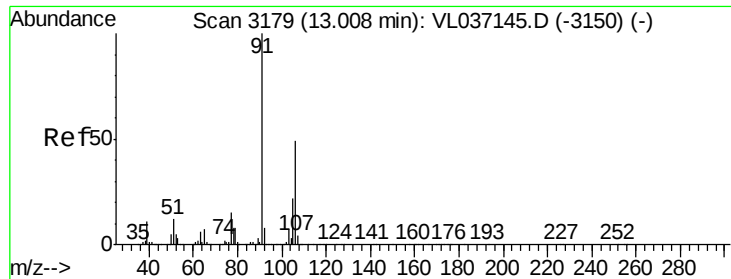
#58
Ethyl Benzene
Concen: 8.283 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 91 Resp: 5992053
Ion Ratio Lower Upper
91 100
106 33.8 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
3000000 Ion 106.10 (105.80 to 106.80): V

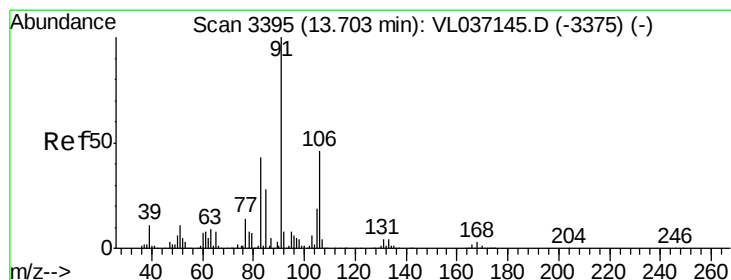
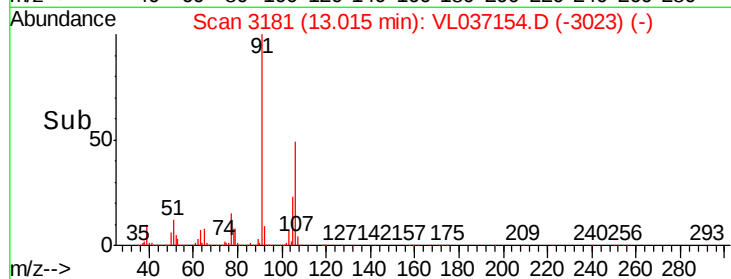
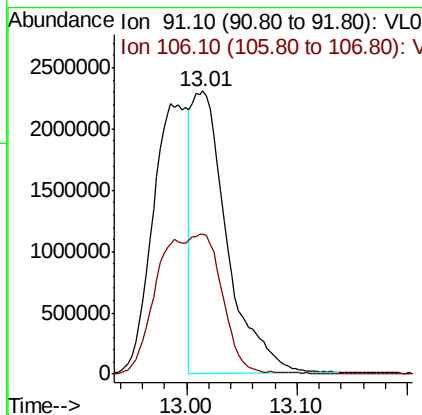
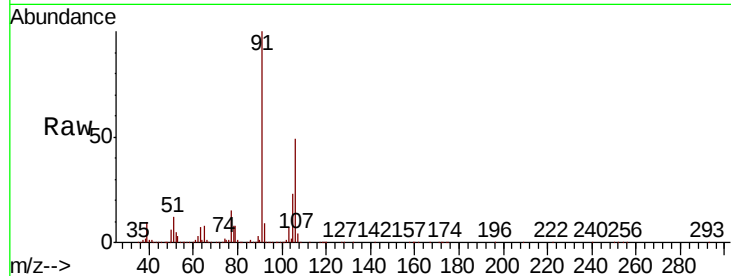




#59
m/p-Xylene
Concen: 8.218 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

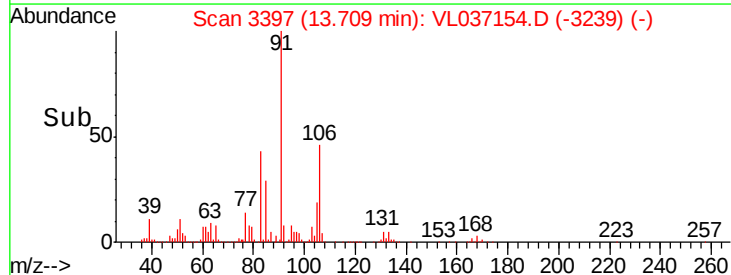
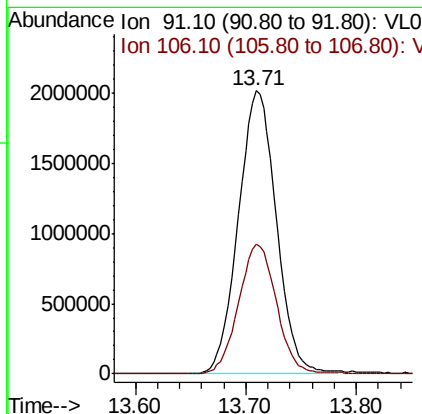
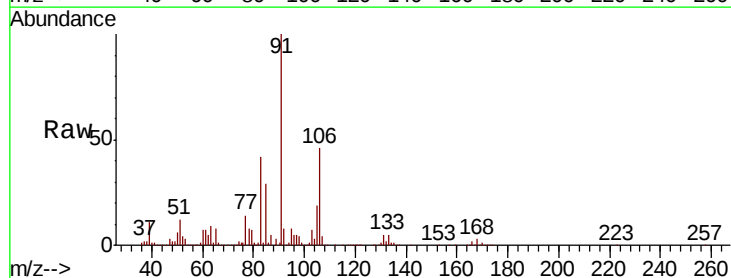
Instrument :
MSVOA_L
ClientSampleId :

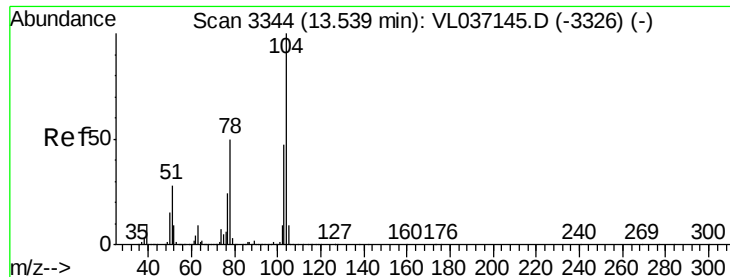
Tot Ion: 91 Resp: 5052482
Ion Ratio Lower Upper
91 100
106 91.7 36.9 55.3#



#60
o-Xylene
Concen: 8.140 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 91 Resp: 4804592
Ion Ratio Lower Upper
91 100
106 45.9 23.1 69.3

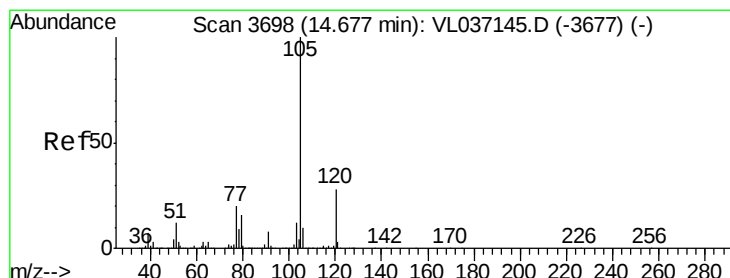
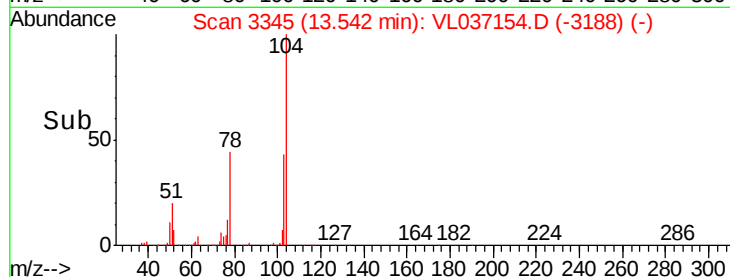
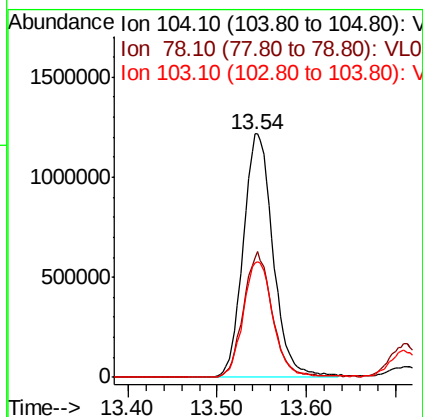
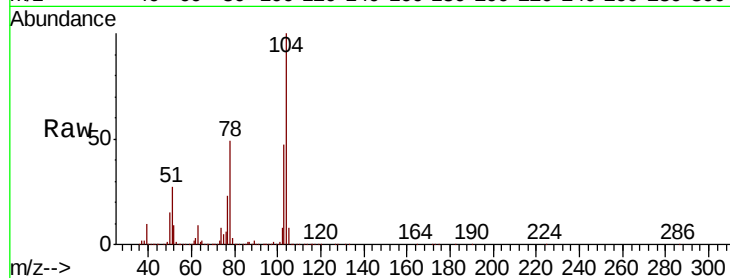




#61
Stvrene
Concen: 9.118 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

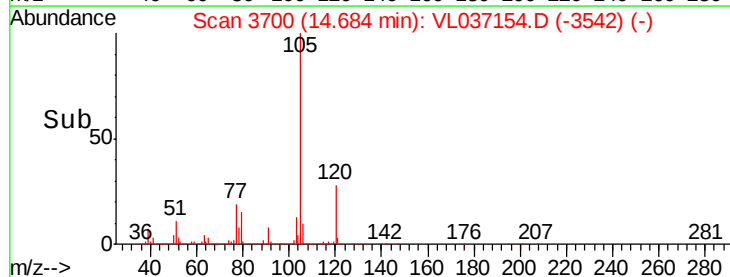
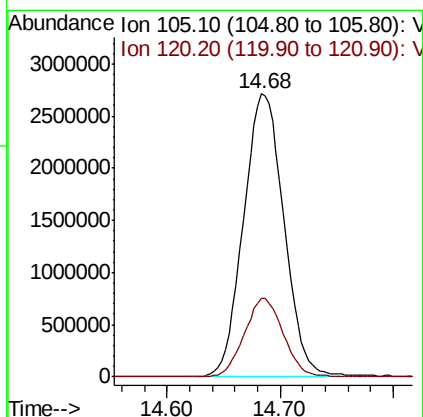
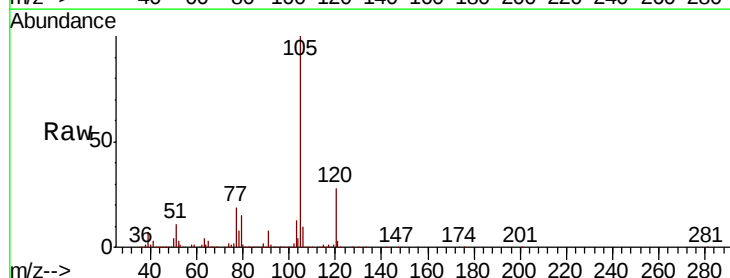
Instrument :
MSVOA_L
ClientSampleId :

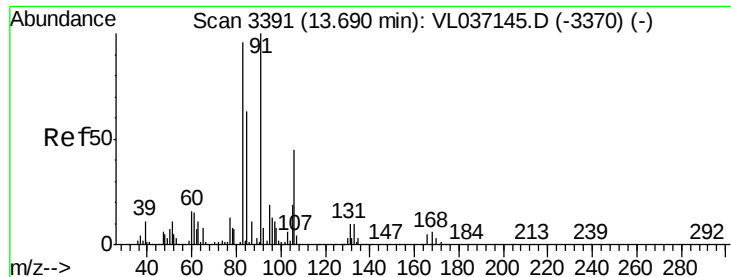
Tot Ion:104 Resp: 2837365
Ion Ratio Lower Upper
104 100
78 50.2 40.9 61.3
103 48.0 38.6 58.0



#62
Isopropylbenzene
Concen: 7.991 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion:105 Resp: 6723288
Ion Ratio Lower Upper
105 100
120 27.0 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.517 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

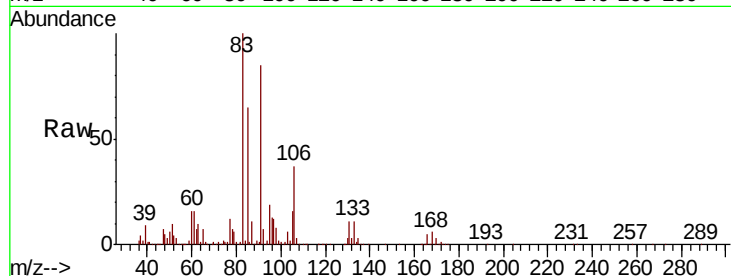
Tot Ion: 83 Resp: 3268894

Ion Ratio Lower Upper

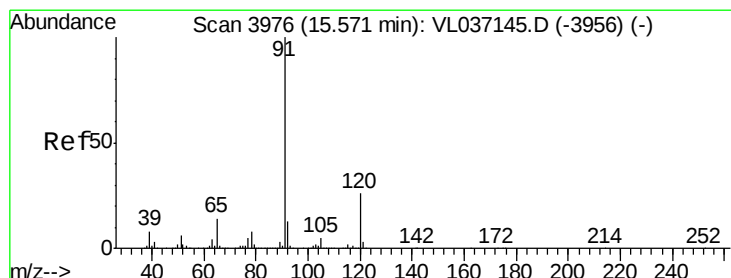
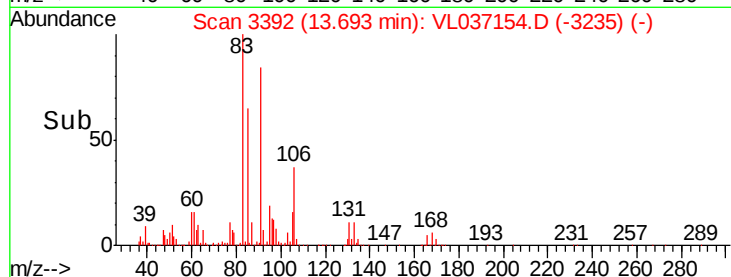
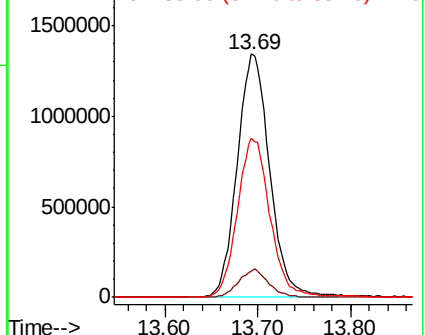
83 100

131 10.9 5.4 16.2

85 66.5 33.3 99.9



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: 8.403 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.01 min

Lab File: VL037154.D

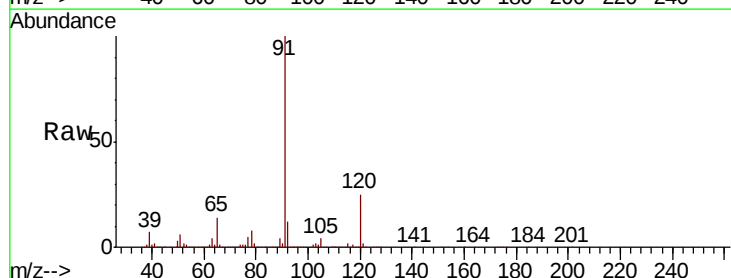
Acq: 15 Jun 2021 9:26

Tgt Ion:120 Resp: 1803061

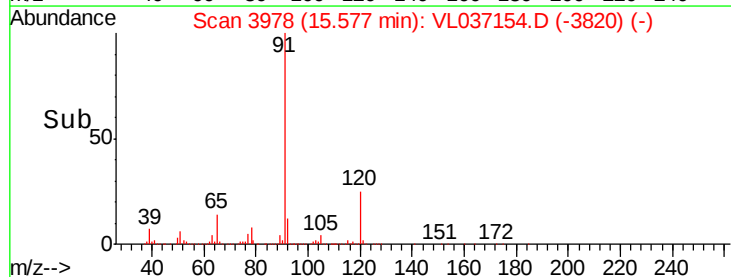
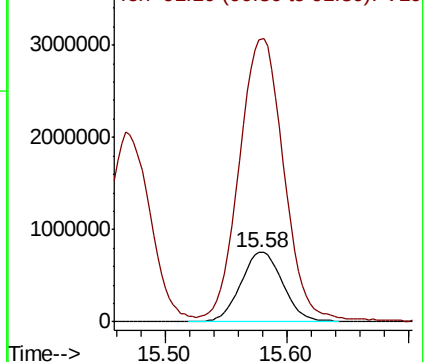
Ion Ratio Lower Upper

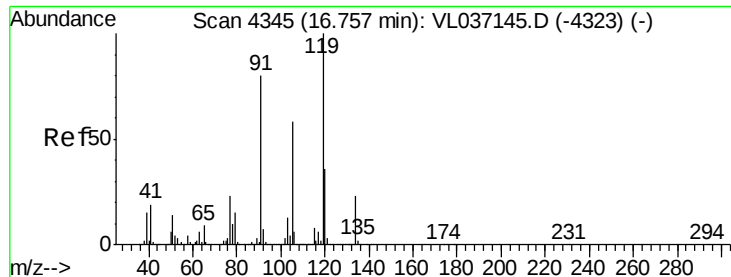
120 100

91 432.8 342.2 513.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.038 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampled :

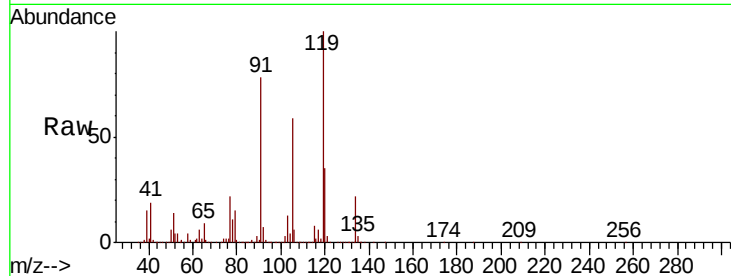
Tot Ion:119 Resp: 6128604

Ion Ratio Lower Upper

119 100

91 78.4 62.8 94.2

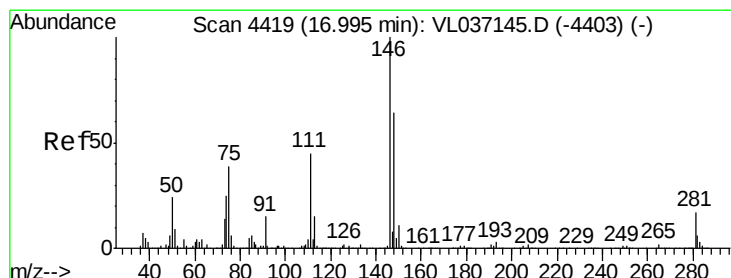
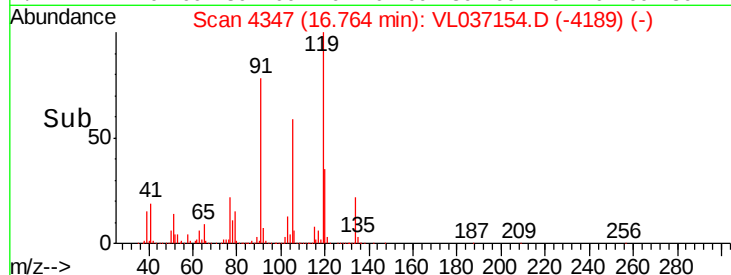
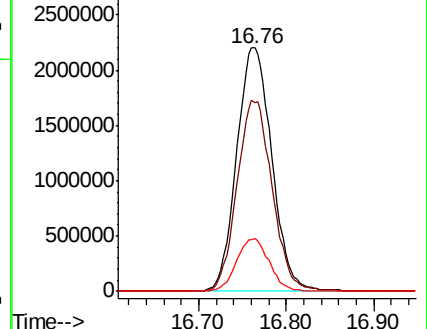
134 20.4 16.5 24.7



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: 9.447 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

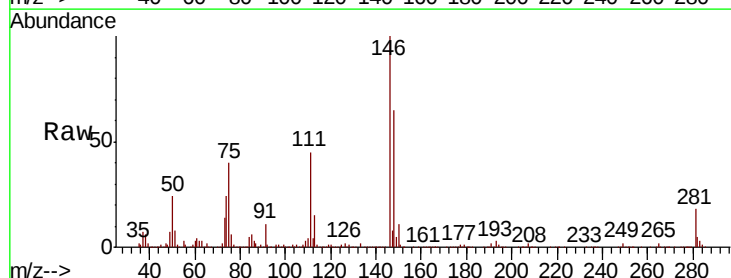
Tgt Ion: 91 Resp: 314436

Ion Ratio Lower Upper

91 100

126 19.3 16.4 24.6

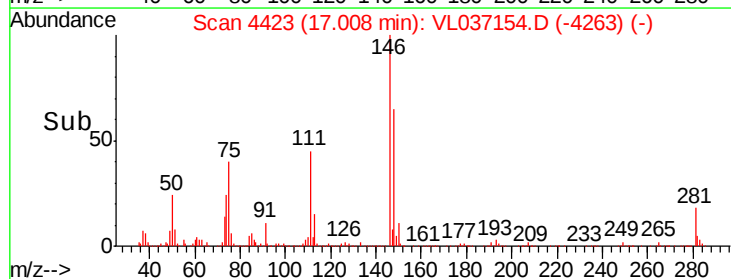
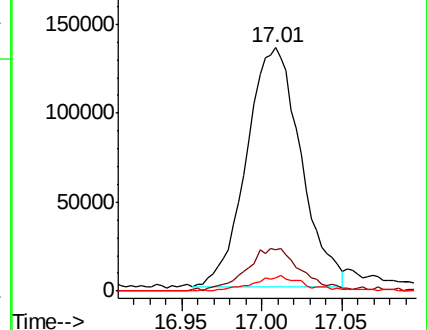
128 6.7 5.7 8.5

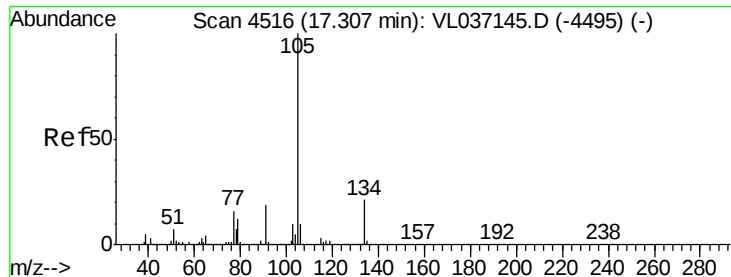


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.024 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

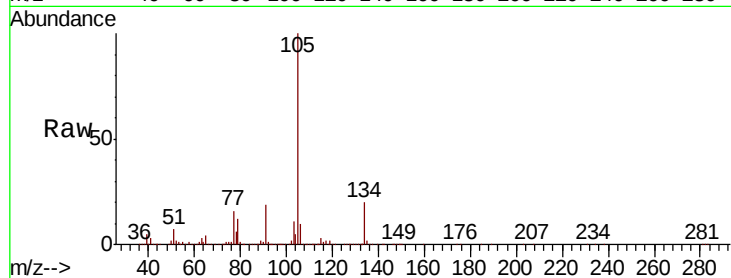
ClientSampleId :

Tot Ion:105 Resp: 8129066

Ion Ratio Lower Upper

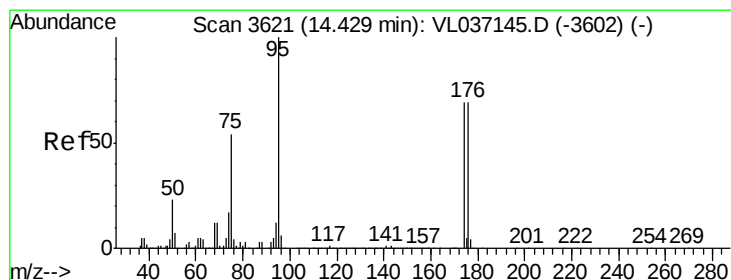
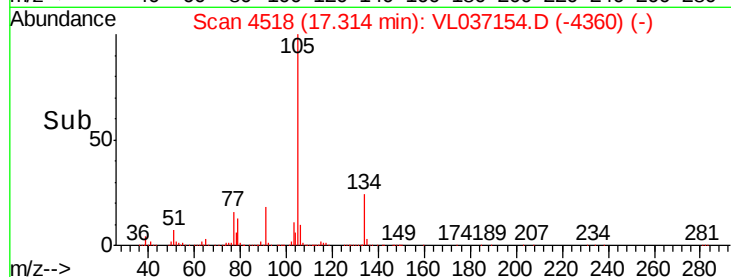
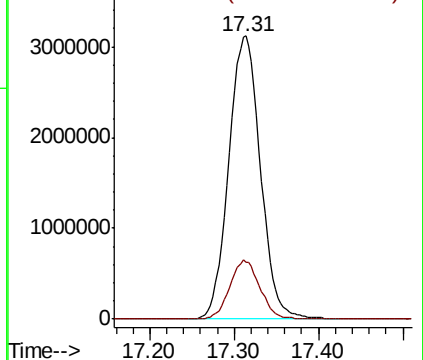
105 100

134 19.8 16.0 24.0



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: 8.291 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

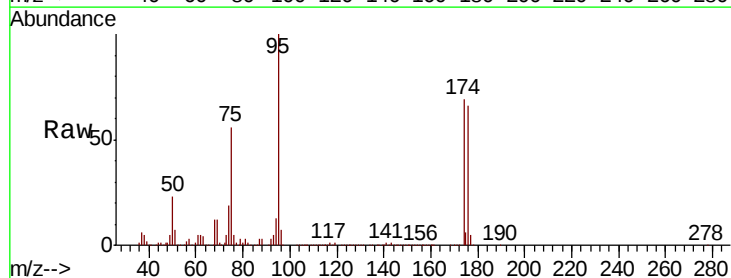
Tgt Ion: 95 Resp: 3261358

Ion Ratio Lower Upper

95 100

174 71.6 57.6 86.4

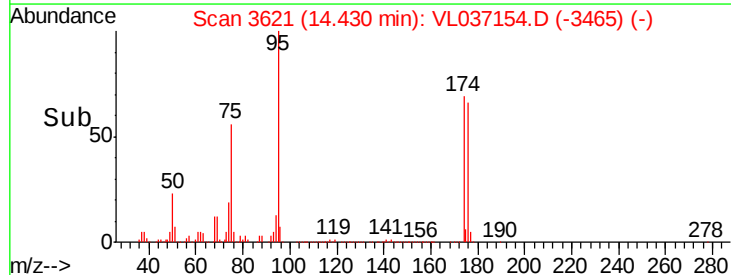
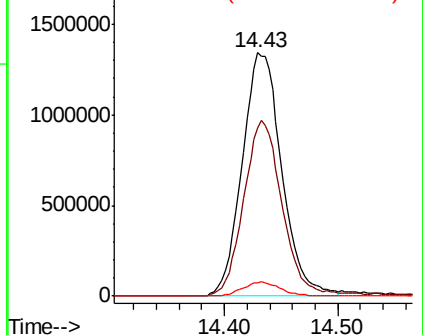
175 5.6 4.4 6.6

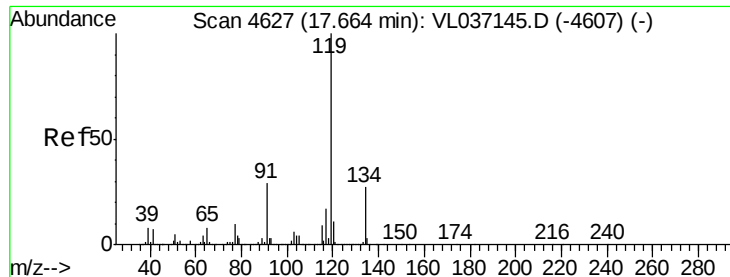


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



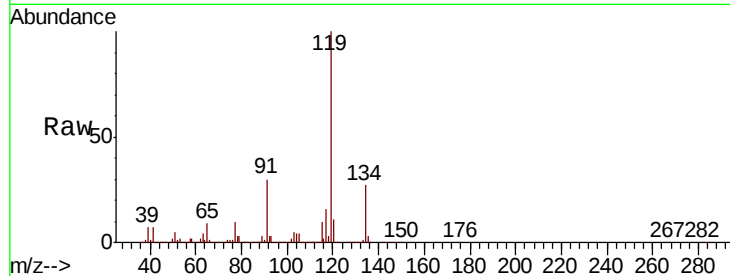


#69
 p-Isopropyltoluene
 Concen: 8.333 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

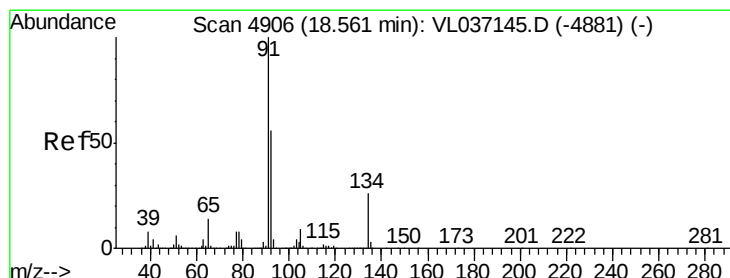
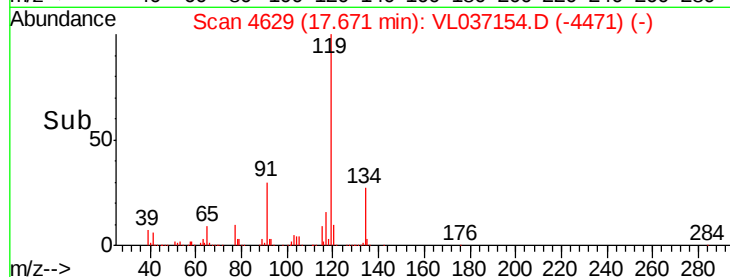
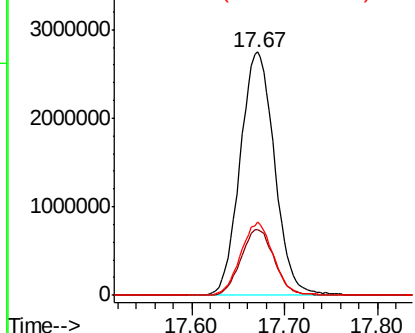
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 7057447

Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	28.7	22.9	34.3



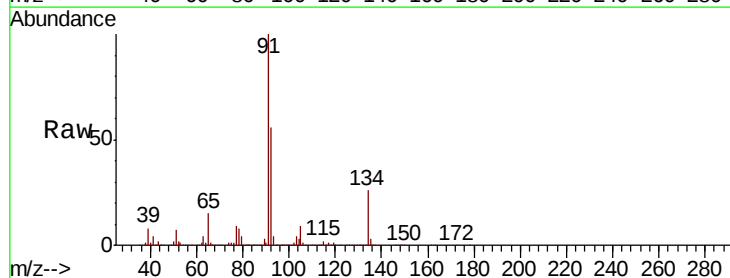
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



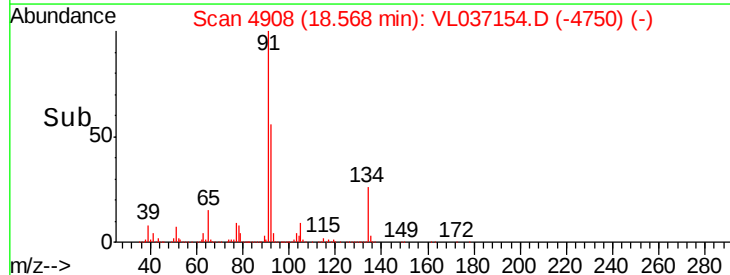
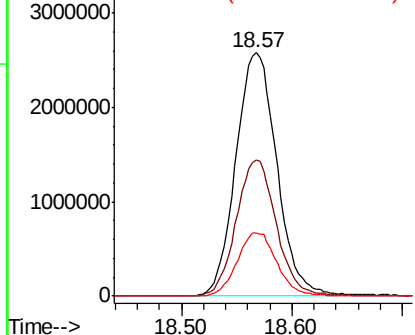
#70
 n-Butylbenzene
 Concen: 8.533 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

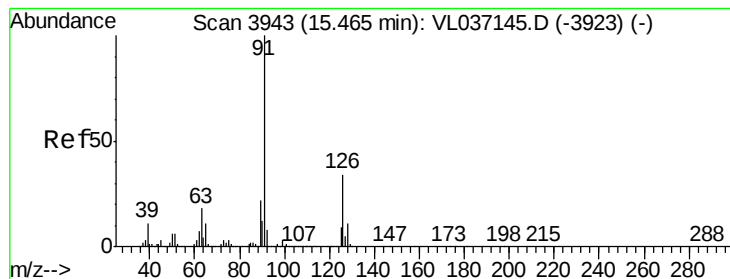
Tgt Ion: 91 Resp: 6611801

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.0	66.0
134	25.5	20.4	30.6



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: 8.244 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

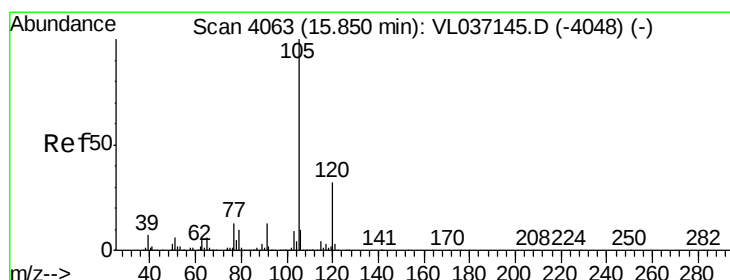
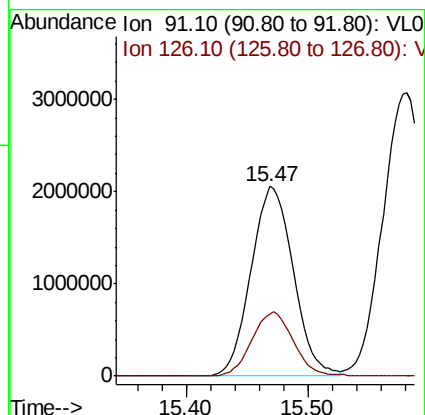
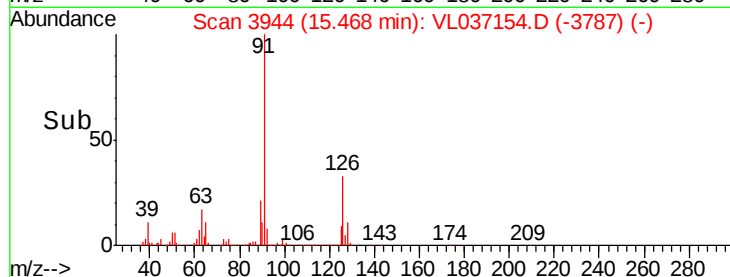
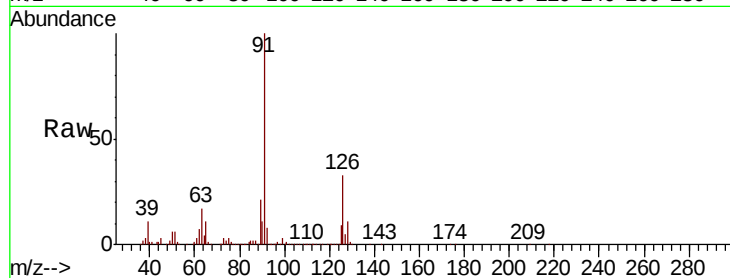
ClientSampleId :

Tot Ion: 91 Resp: 4947624

Ion Ratio Lower Upper

91 100

126 33.8 13.4 53.6



#72

4-Ethyltoluene

Concen: 8.647 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion:105 Resp: 5929116

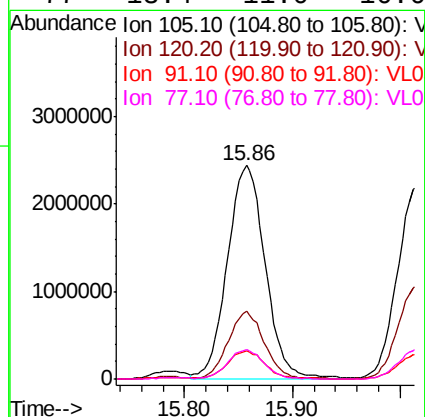
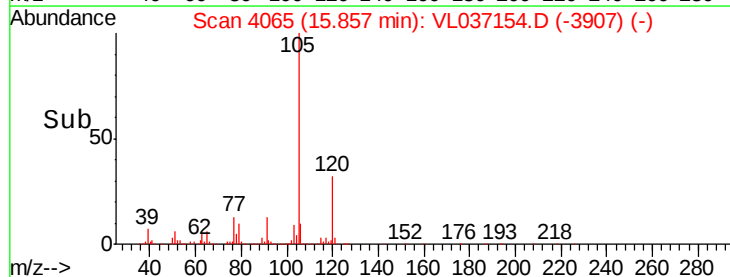
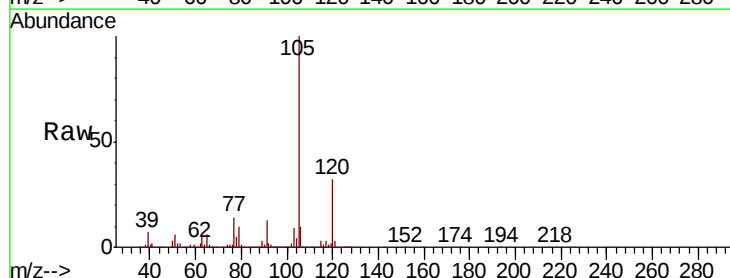
Ion Ratio Lower Upper

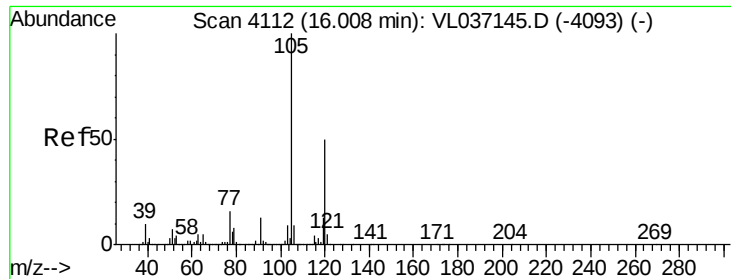
105 100

120 30.7 25.1 37.7

91 12.8 10.3 15.5

77 13.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 8.235 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

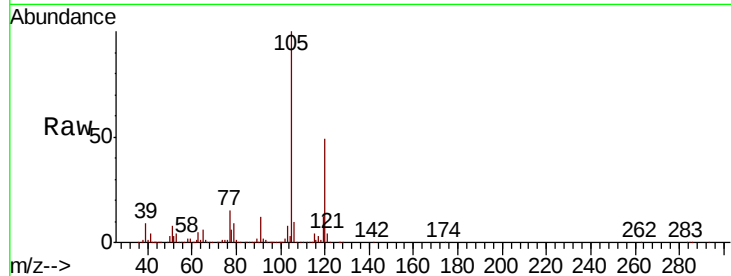
ClientSampleId :

Tot Ion:105 Resp: 5355563

Ion Ratio Lower Upper

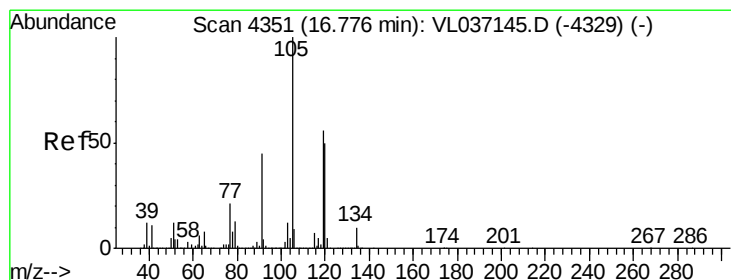
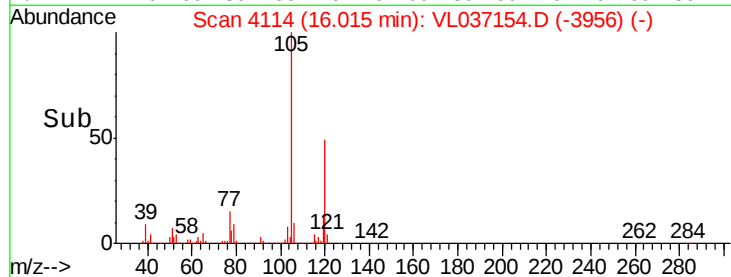
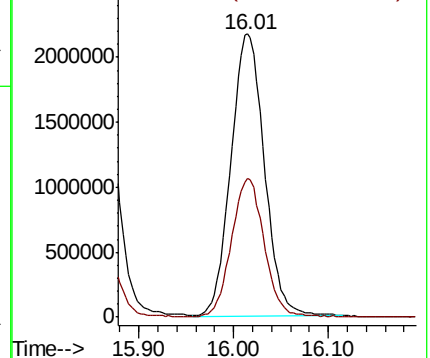
105 100

120 48.8 39.7 59.5



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: 8.344 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion:105 Resp: 5521900

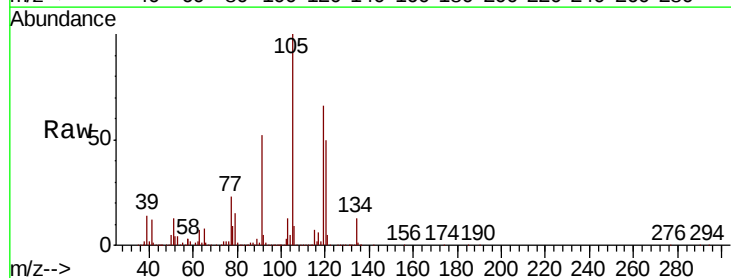
Ion Ratio Lower Upper

105 100

120 50.1 39.7 59.5

91 51.4 35.8 53.8

77 22.5 16.7 25.1

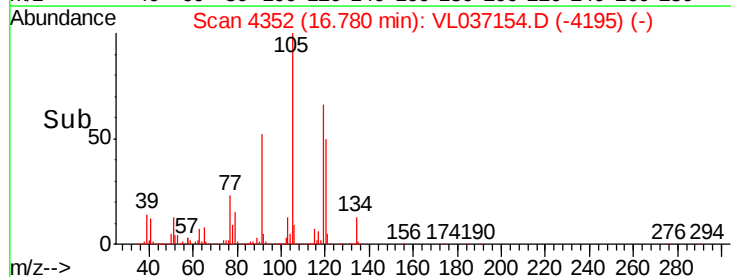
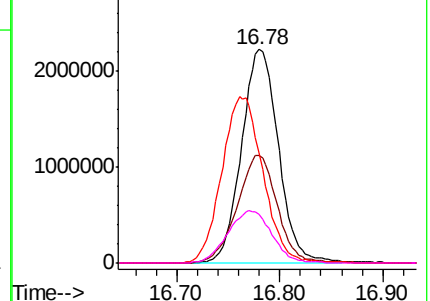


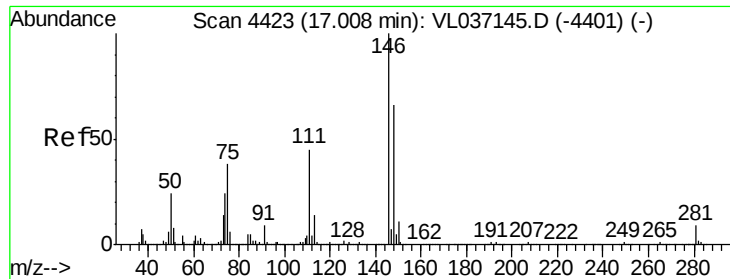
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.228 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

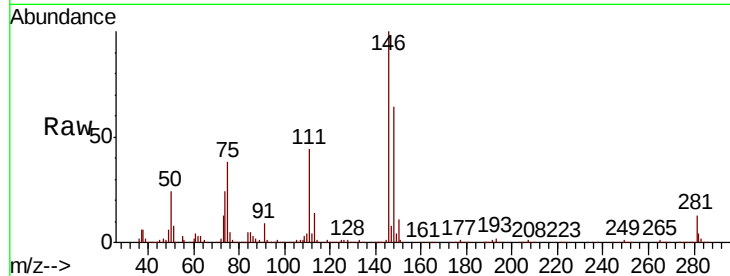
Tot Ion:146 Resp: 3352761

Ion Ratio Lower Upper

146 100

111 45.9 22.4 67.2

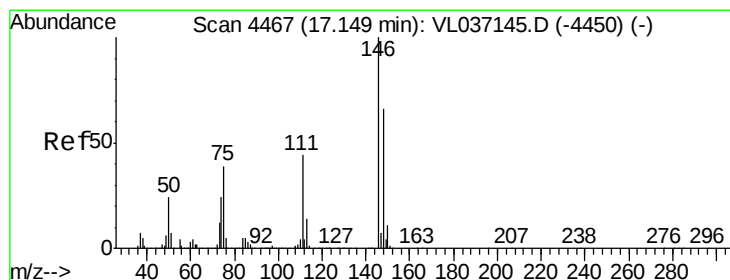
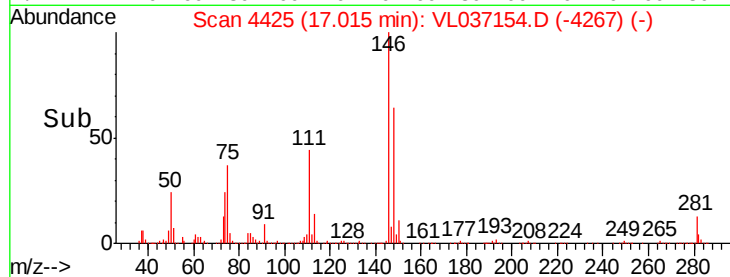
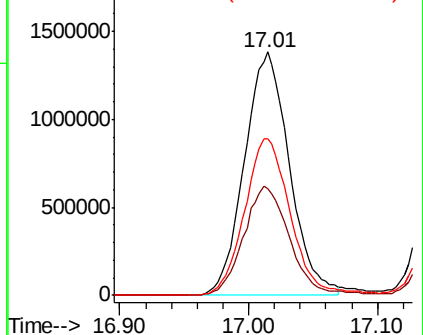
148 65.8 32.3 96.9



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: 8.257 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

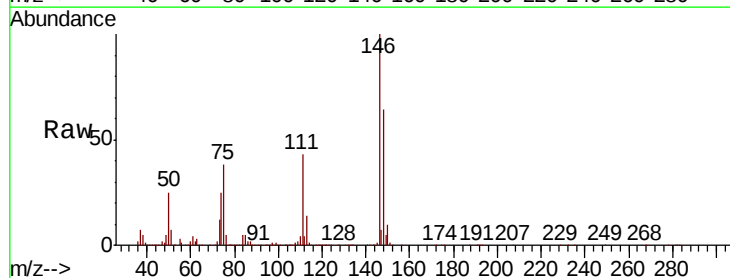
Tgt Ion:146 Resp: 3341436

Ion Ratio Lower Upper

146 100

111 44.1 21.9 65.5

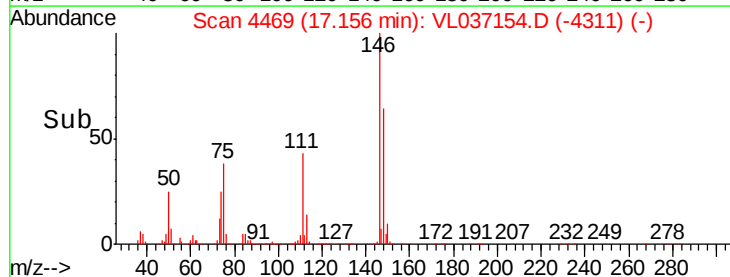
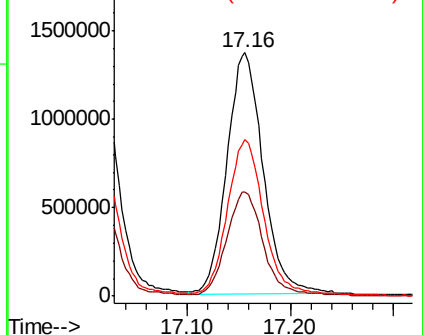
148 66.6 32.4 97.0

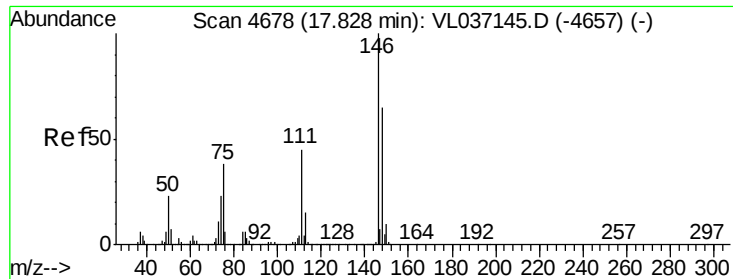


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

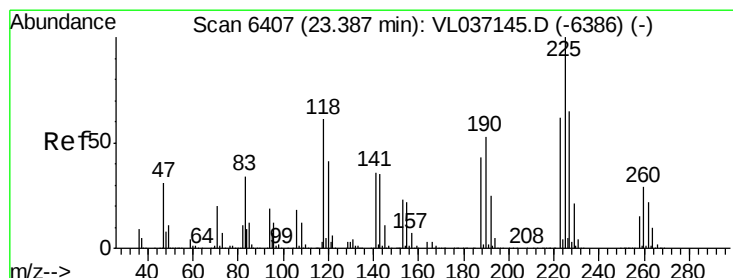
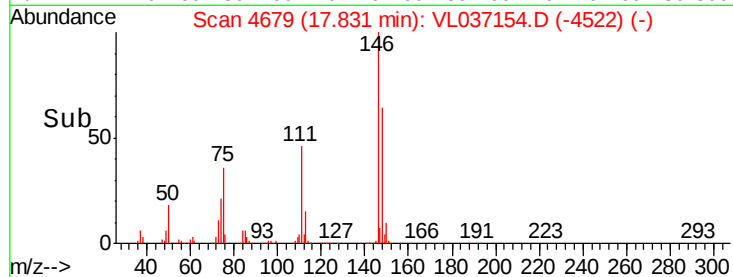
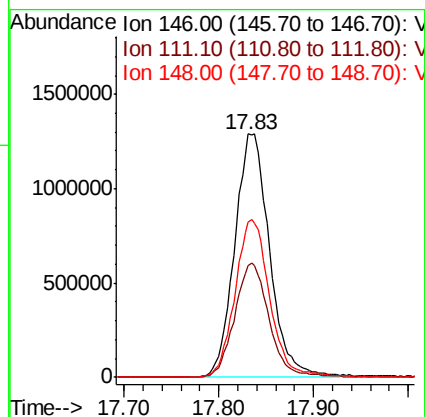
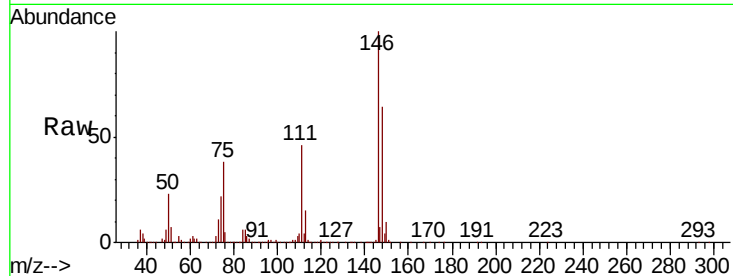




#77
 1,2-Dichlorobenzene
 Concen: 8.182 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.00 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

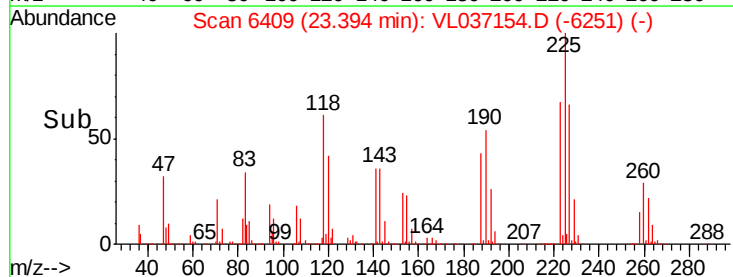
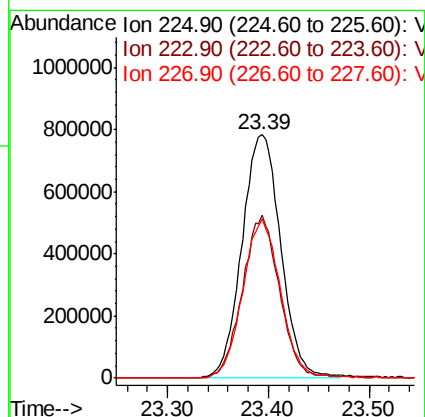
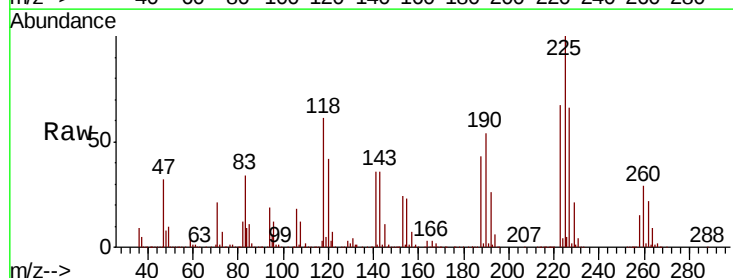
Instrument :
 MSVOA_L
 ClientSampleId :

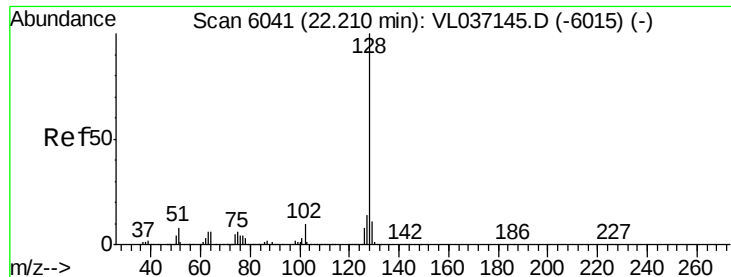
Tot Ion:146 Resp: 3287413
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.1 69.3
 148 64.2 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.344 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion:225 Resp: 2091559
 Ion Ratio Lower Upper
 225 100
 223 64.4 52.2 78.2
 227 64.1 51.5 77.3

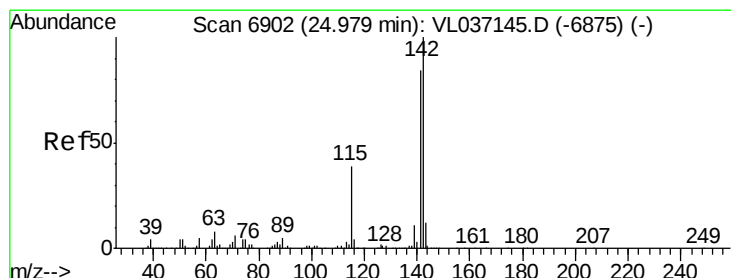
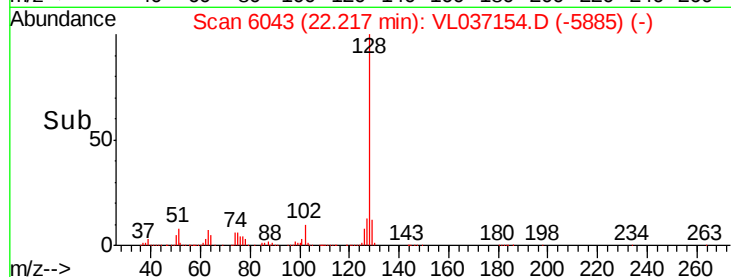
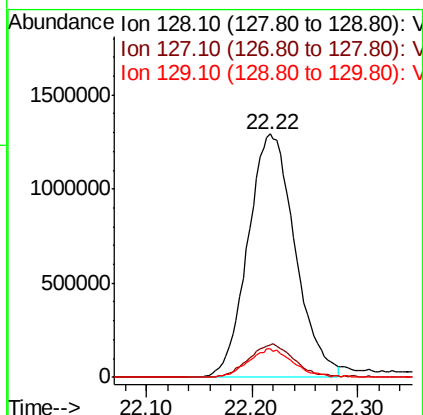
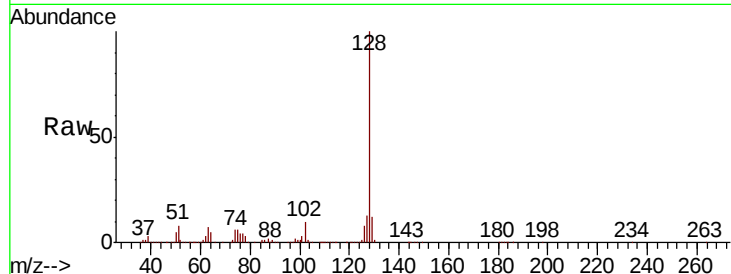




#79
Naphthalene
Concen: 10.057 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

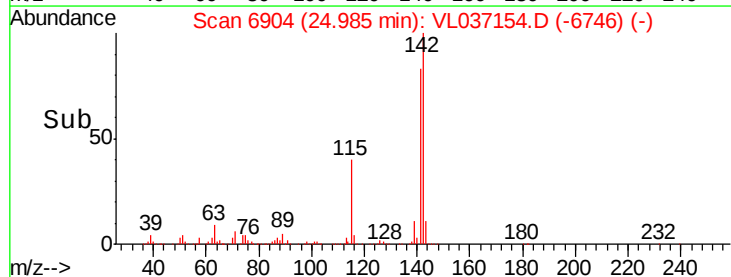
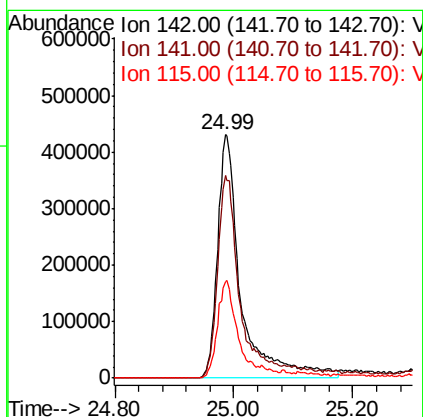
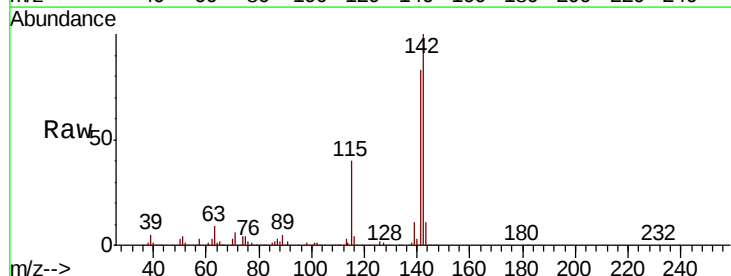
Instrument :
MSVOA_L
ClientSampleId :

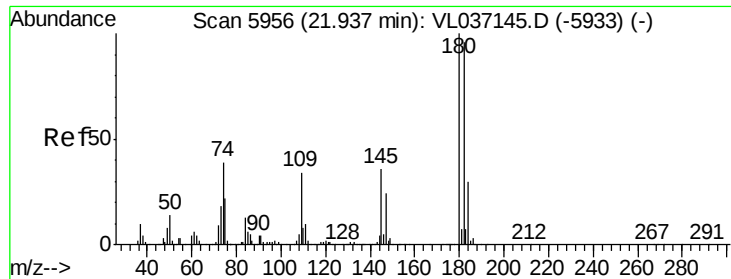
Tot Ion:128 Resp: 4005908
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 11.7 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 12.243 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion:142 Resp: 1179846
Ion Ratio Lower Upper
142 100
141 86.0 66.7 100.1
115 37.5 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 4.780 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1211150

Ion Ratio Lower Upper

180 100

182 195.6 79.8 119.6#

184 59.6 25.1 37.7#

