

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037290.D
 Acq On : 30 Jul 2021 18:36
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 22:51:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:49:48 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1260061	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3922398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3713827	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2721033	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	218478	1.041 ppbv	96
3) Chlorodifluoromethane	2.98	51	274170	1.114 ppbv	100
4) Chloromethane	3.13	50	95805	1.167 ppbv	91
5) Vinyl Chloride	3.26	62	90652	1.006 ppbv	95
6) Bromomethane	3.47	94	57657	1.075 ppbv	97
7) Chloroethane	3.55	64	31803	0.986 ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	258837	1.154 ppbv	100
9) Propene	3.00	41	97049	1.235 ppbv	97
10) Heptane	8.13	43	214440	1.121 ppbv	99
11) Trichlorofluoromethane	3.95	101	248728	1.074 ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	179249	1.088 ppbv	98
13) Ethanol	3.62	45	12812	1.020 ppbv	86
14) Bromoethene	3.74	108	72691	1.051 ppbv	93
15) Acetone	3.85	43	300369	2.088 ppbv #	81
16) 1,3-Butadiene	3.32	39	87449	1.046 ppbv	98
17) tert-Butyl alcohol	4.29	59	149724	1.140 ppbv	95
18) 1,1-Dichloroethene	4.29	96	78623	1.073 ppbv	93
19) Isopropyl Alcohol	3.97	45	35232	0.411 ppbv #	58
20) Methylene Chloride	4.34	84	94970	1.059 ppbv	87
21) Allyl Chloride	4.41	41	101611	0.949 ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	68528	0.937 ppbv	96
23) Vinyl Acetate	5.07	43	235758	1.182 ppbv	97
24) 1,1-Dichloroethane	5.01	63	168691	1.052 ppbv	98
25) Ethyl Acetate	5.68	43	343783	1.097 ppbv #	98
26) Hexane	5.69	57	183441	1.141 ppbv	92
27) Carbon Disulfide	4.55	76	141650	0.934 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	198364	1.100 ppbv	100
29) Chloroform	5.75	83	266058	1.103 ppbv	100
30) Cyclohexane	7.13	84	74167	0.564 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	150677	1.043 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	257241	1.000 ppbv	98
34) 2-Butanone	5.25	43	65370	0.429 ppbv #	52
35) Carbon Tetrachloride	7.02	117	255047	0.978 ppbv	97
36) Benzene	6.90	78	176389	0.554 ppbv	94
37) 1,2-Dichloroethane	6.31	62	191081	1.048 ppbv	100
38) Trichloroethene	7.84	130	153032	1.007 ppbv	95
39) 1,2-Dichloropropane	7.61	63	127014	1.079 ppbv	99
41) Tetrahydrofuran	6.07	42	57524	0.812 ppbv #	79
42) Bromodichloromethane	7.79	83	244381	0.971 ppbv #	94
43) Methyl Methacrylate	8.02	69	112150	1.025 ppbv	98
44) 2,2,4-Trimethylpentane	7.87	57	596300	1.116 ppbv	99

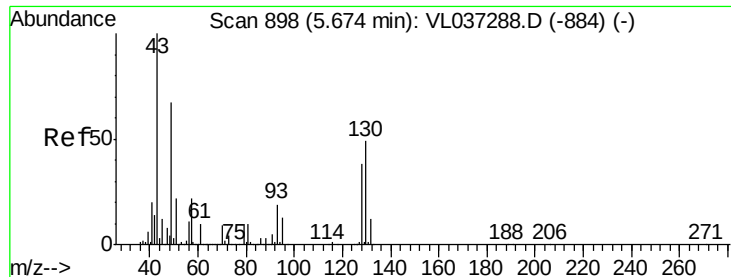
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037290.D
 Acq On : 30 Jul 2021 18:36
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 22:51:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:49:48 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.28	75	67577	0.710	ppbv	92
46) cis-1,3-Dichloropropene	8.71	75	113441	0.868	ppbv	91
47) 1,1,2-Trichloroethane	9.48	97	75311	0.558	ppbv	98
48) Dibromochloromethane	10.30	129	84689	0.399	ppbv #	10
49) Bromoform	13.05	173	144705	0.903	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	216004	1.041	ppbv	94
51) 2-Hexanone	10.16	43	88827	0.881	ppbv #	87
52) Tetrachloroethene	11.23	164	148286	1.001	ppbv	96
53) Toluene	9.81	91	418616	1.099	ppbv	98
54) 1,2-Dibromoethane	10.62	107	204072	1.054	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	173921	1.077	ppbv #	1
57) Chlorobenzene	12.15	112	334808	1.111	ppbv	95
58) Ethyl Benzene	12.72	91	545265	1.071	ppbv	91
59) m/p-Xylene	13.01	91	446488	1.035	ppbv #	24
60) o-Xylene	13.70	91	445423	1.083	ppbv	99
61) Styrene	13.53	104	214192	1.011	ppbv	96
62) Isopropylbenzene	14.67	105	651101	1.110	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	148220	0.537	ppbv #	14
64) n-propylbenzene	15.57	120	162607	1.105	ppbv	82
65) tert-Butylbenzene	16.75	119	608778	1.163	ppbv	97
66) Benzyl Chloride	17.00	91	6817	0.282	ppbv #	1
67) sec-Butylbenzene	17.30	105	797869	1.142	ppbv	98
69) p-Isopropyltoluene	17.67	119	687776	1.165	ppbv	99
70) n-Butylbenzene	18.56	91	625636	1.145	ppbv	99
71) 2-Chlorotoluene	15.46	91	452140	1.101	ppbv	99
72) 4-Ethyltoluene	15.85	105	533946	1.128	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	495089	1.087	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	570005	1.215	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	325260	1.131	ppbv	96
76) 1,4-Dichlorobenzene	17.14	146	294735	1.020	ppbv	91
77) 1,2-Dichlorobenzene	17.82	146	305758	1.096	ppbv	93
78) Hexachloro-1,3-Butadiene	23.38	225	237704	1.014	ppbv	97
79) Naphthalene	22.21	128	436525	1.155	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	107035	1.085	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.94	180	155506	0.702	ppbv #	40

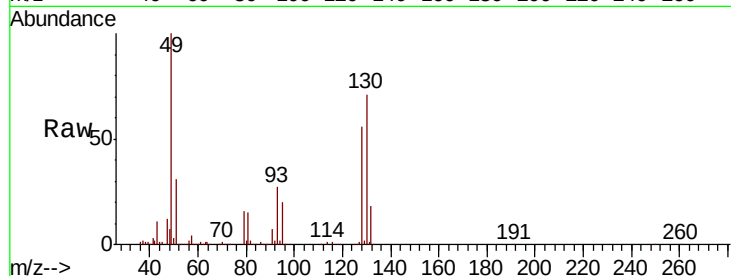
(#) = qualifier out of range (m) = manual integration (+) = signals summed



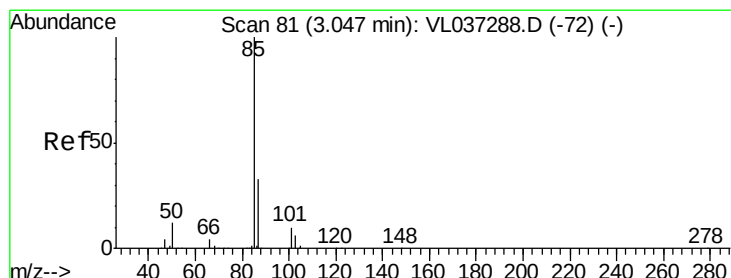
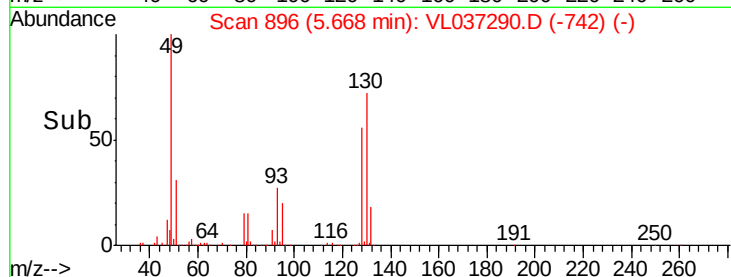
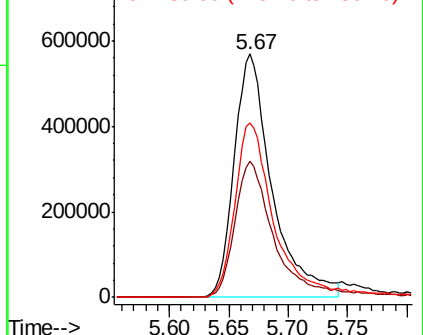
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1260061
Ion Ratio Lower Upper
49 100
128 60.4 30.6 92.0
130 76.7 37.8 113.4

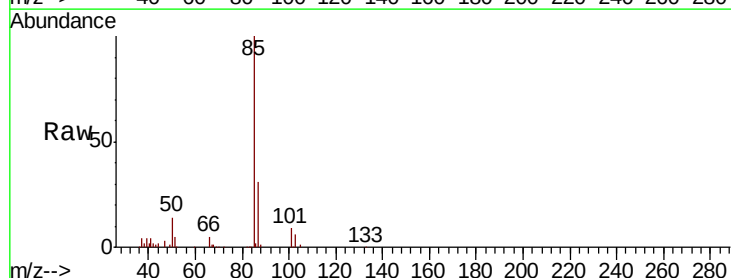


Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0

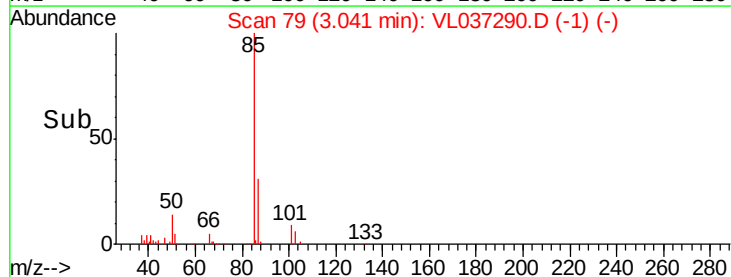
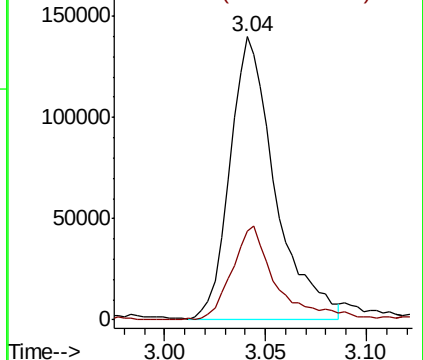


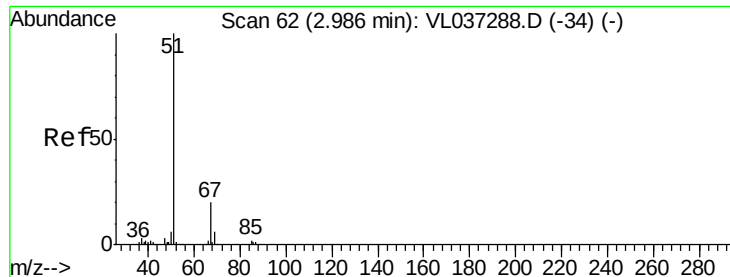
#2
Dichlorodifluoromethane
Concen: 1.041 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion: 85 Resp: 218478
Ion Ratio Lower Upper
85 100
87 30.8 26.6 40.0



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





#3

Chlorodifluoromethane

Concen: 1.114 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

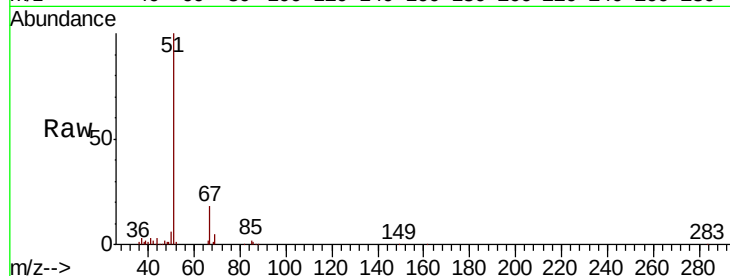
ClientSampleId :

Tot Ion: 51 Resp: 274170

Ion Ratio Lower Upper

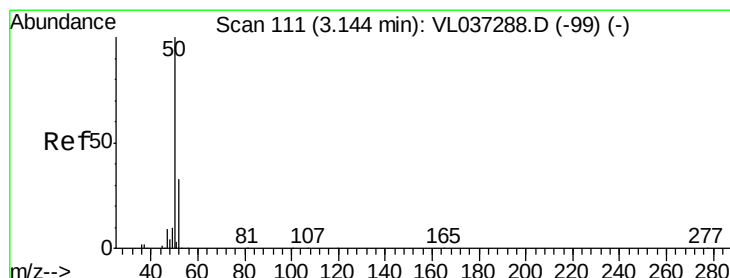
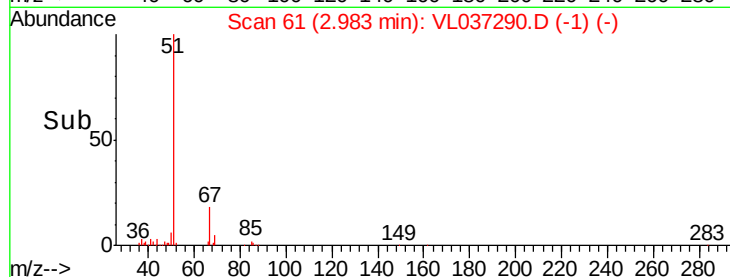
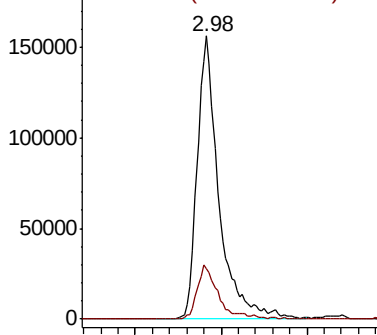
51 100

67 19.2 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.167 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037290.D

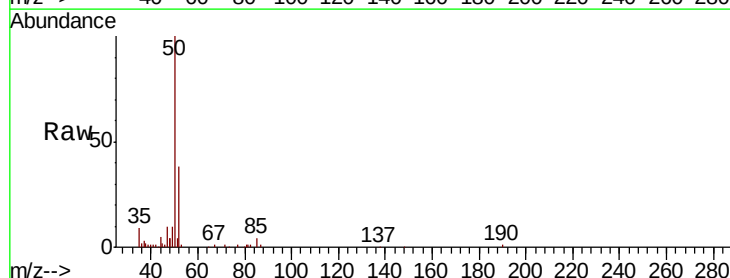
Acq: 30 Jul 2021 18:36

Tgt Ion: 50 Resp: 95805

Ion Ratio Lower Upper

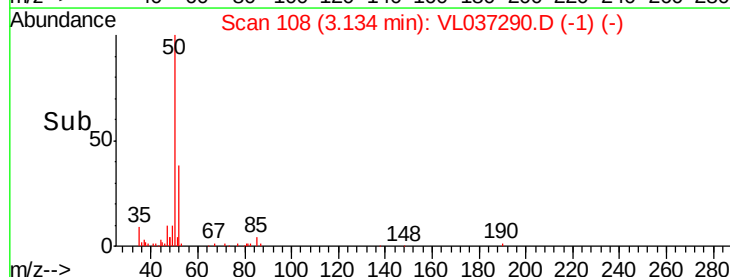
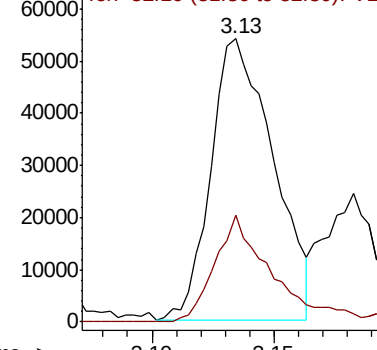
50 100

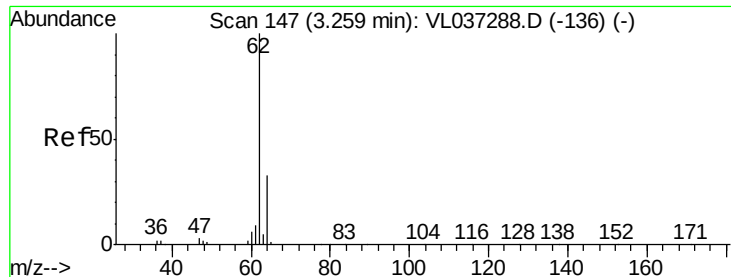
52 37.6 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.006 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

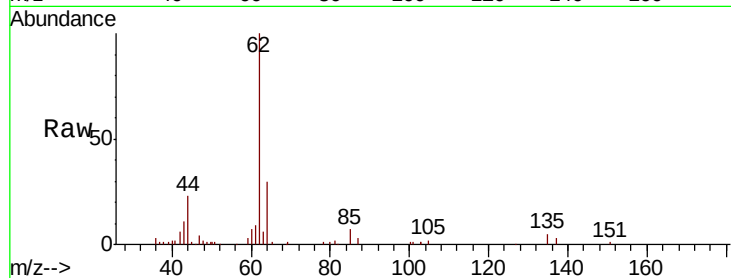
ClientSampleId :

Tot Ion: 62 Resp: 90652

Ion Ratio Lower Upper

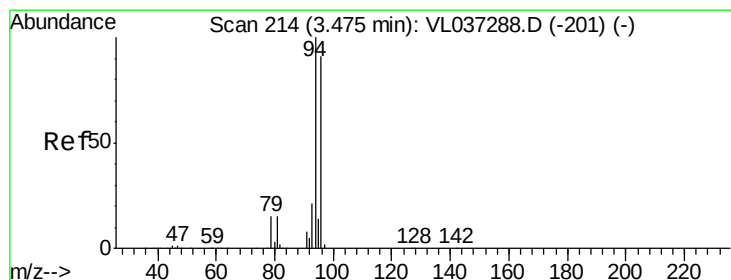
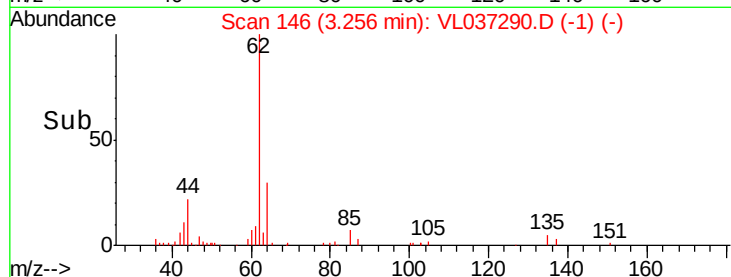
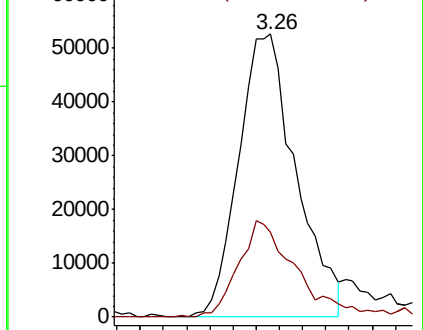
62 100

64 30.0 26.1 39.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.075 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037290.D

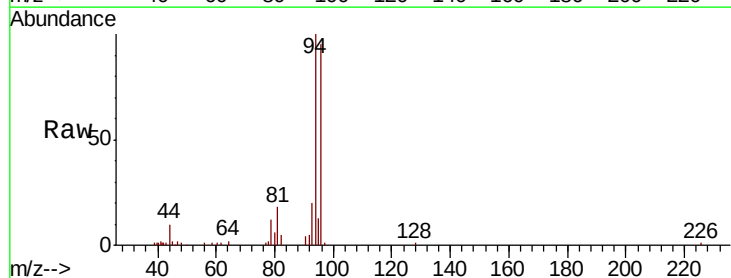
Acq: 30 Jul 2021 18:36

Tgt Ion: 94 Resp: 57657

Ion Ratio Lower Upper

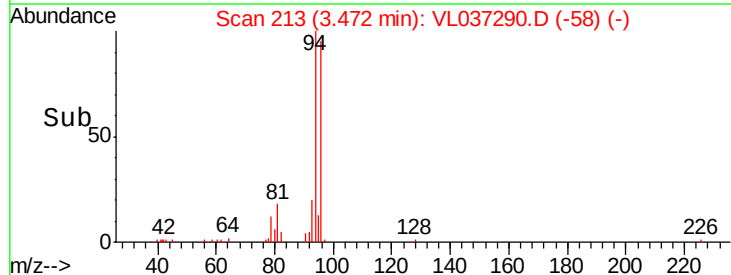
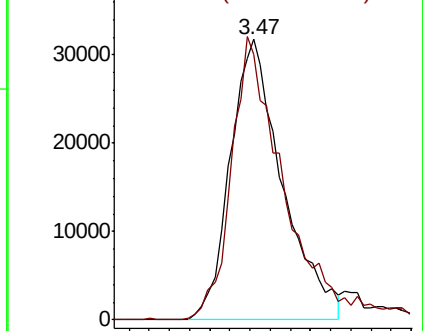
94 100

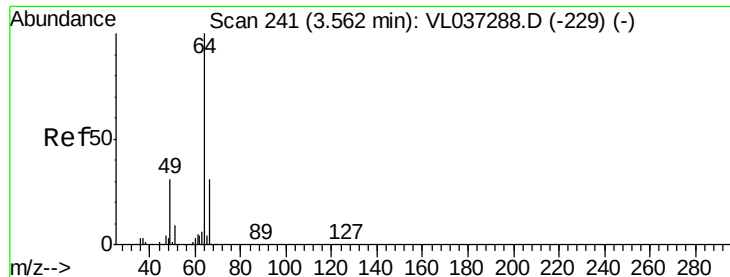
96 94.2 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.986 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

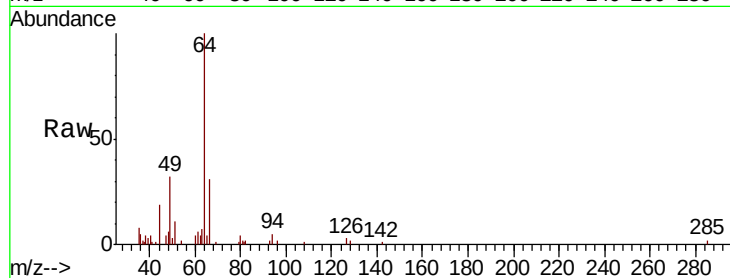
ClientSampleId :

Tot Ion: 64 Resp: 31803

Ion Ratio Lower Upper

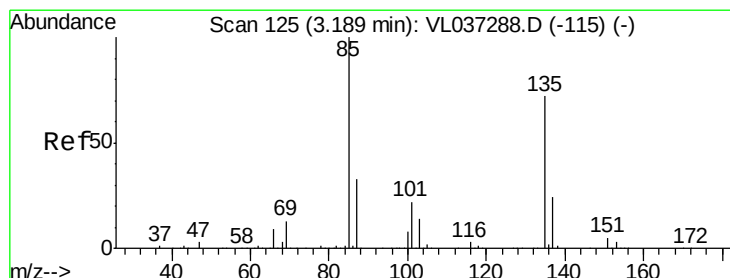
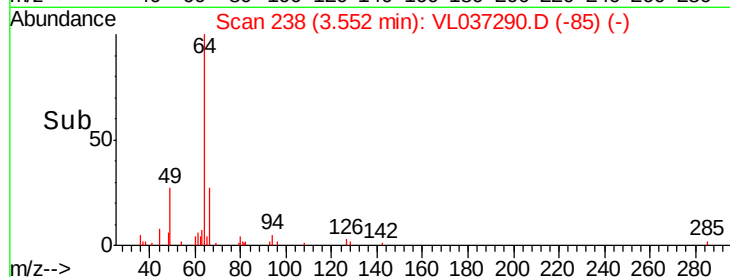
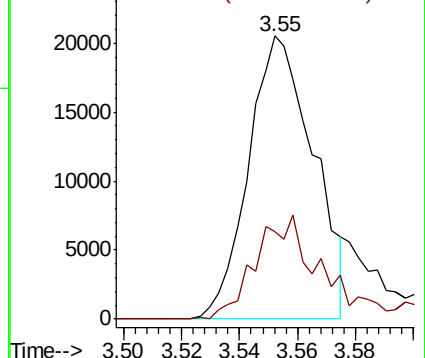
64 100

66 31.0 24.9 37.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.154 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037290.D

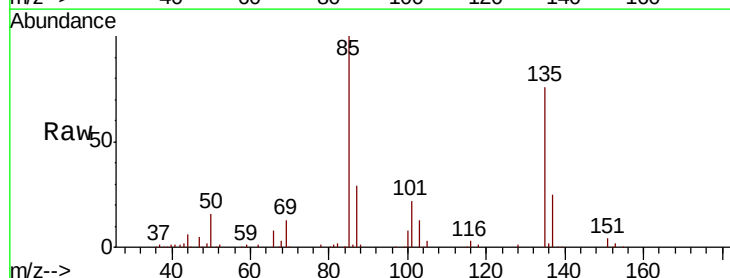
Acq: 30 Jul 2021 18:36

Tgt Ion: 85 Resp: 258837

Ion Ratio Lower Upper

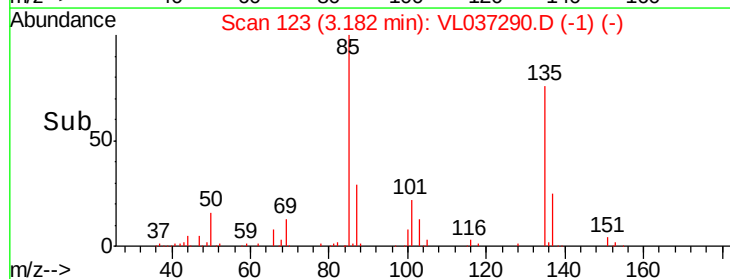
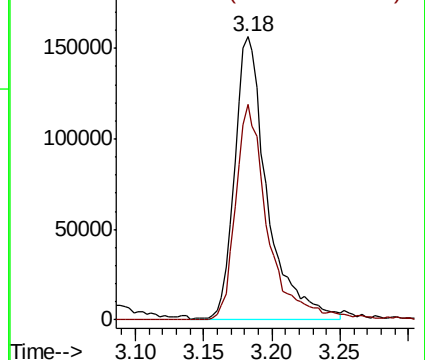
85 100

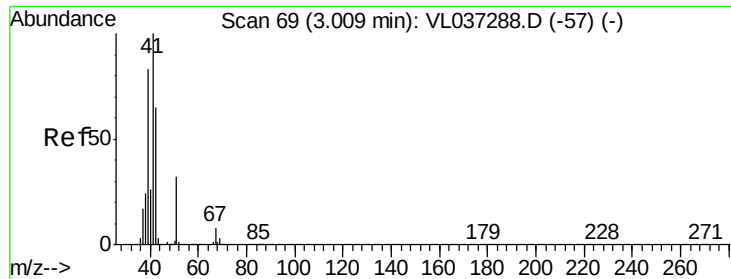
135 76.6 61.0 91.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.235 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

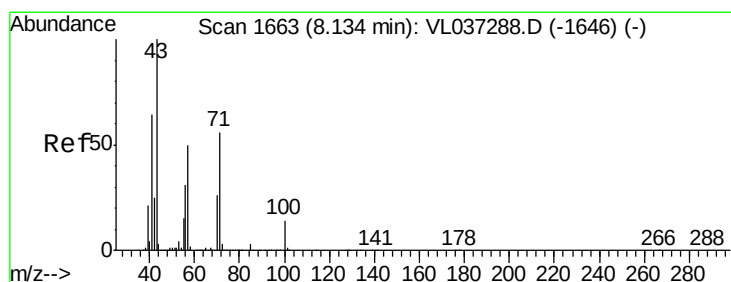
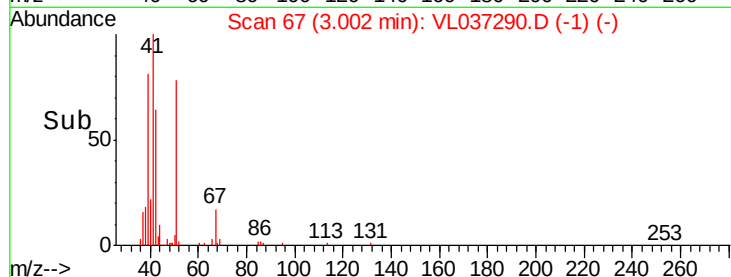
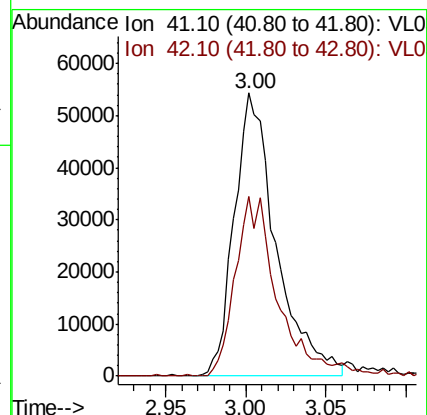
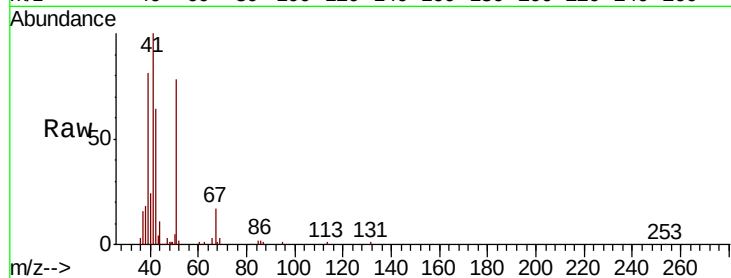
ClientSampleId :

Tot Ion: 41 Resp: 97049

Ion Ratio Lower Upper

41 100

42 65.3 54.0 81.0



#10

Heptane

Concen: 1.121 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL037290.D

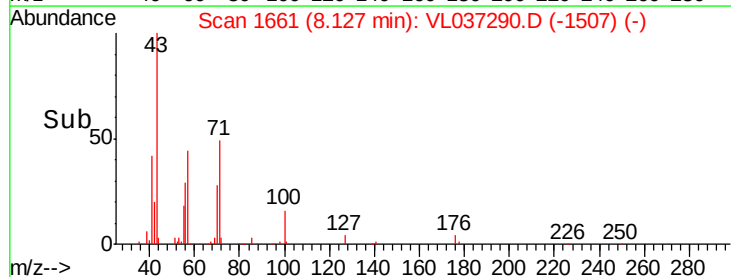
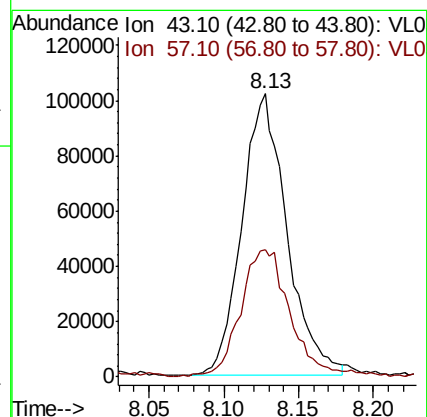
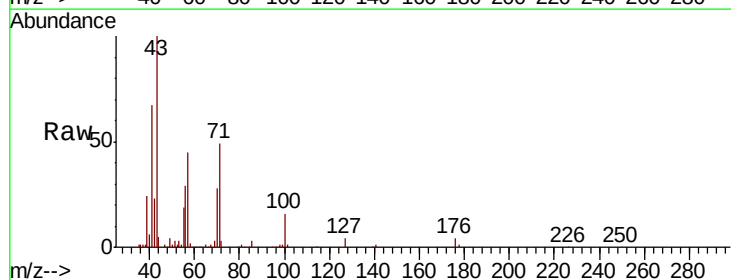
Acq: 30 Jul 2021 18:36

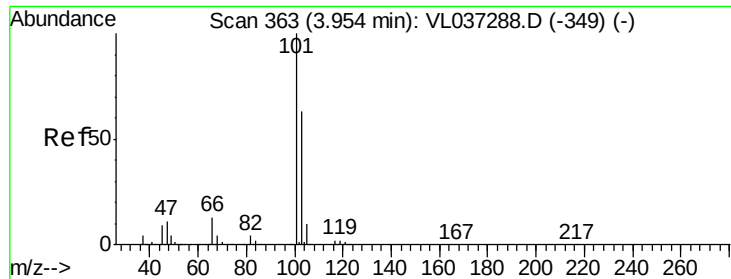
Tgt Ion: 43 Resp: 214440

Ion Ratio Lower Upper

43 100

57 50.6 40.9 61.3

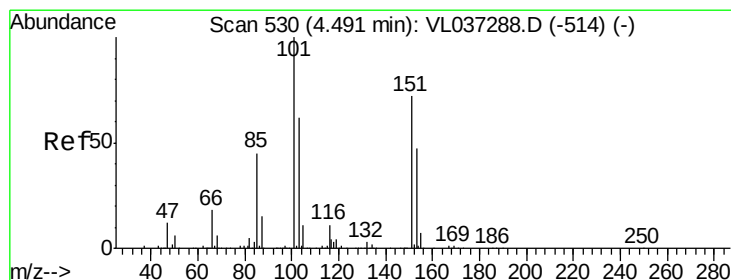
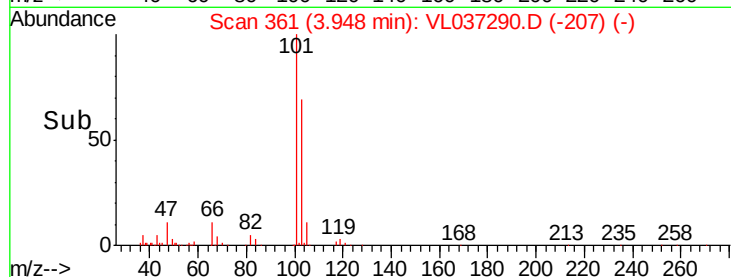
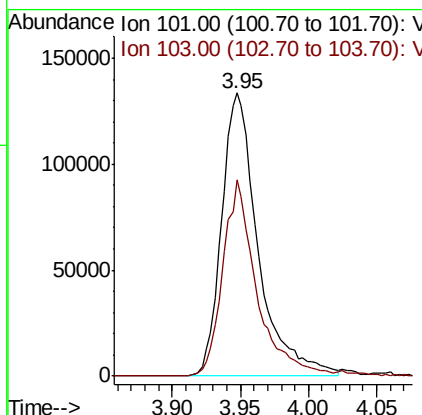
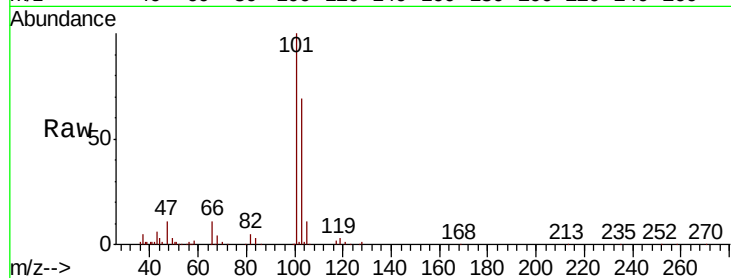




#11
 Trichlorofluoromethane
 Concen: 1.074 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

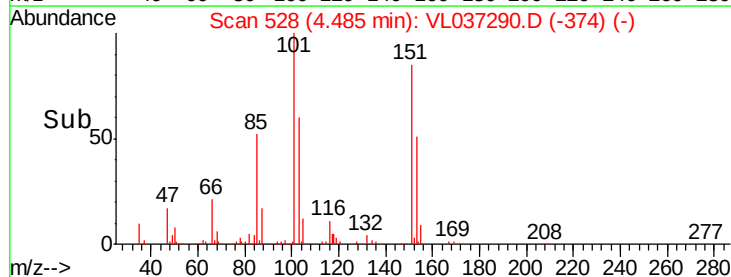
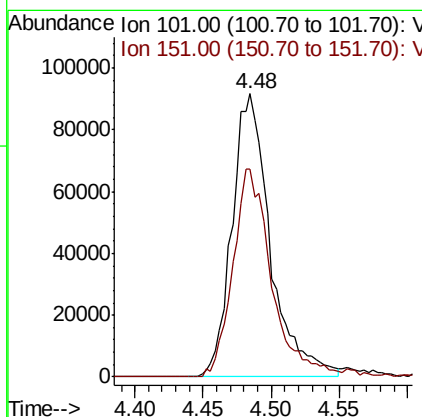
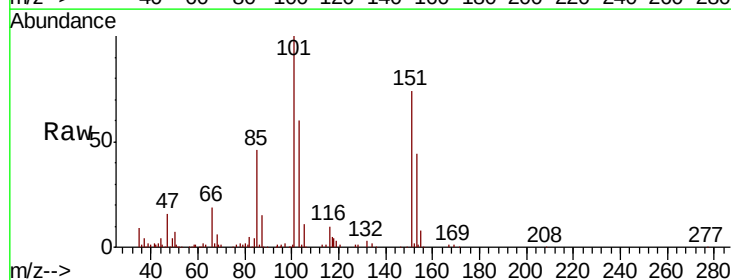
Instrument :
 MSVOA_L
 ClientSampleId :

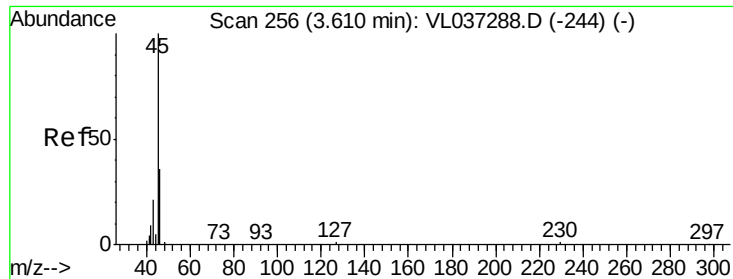
Tot Ion:101 Resp: 248728
 Ion Ratio Lower Upper
 101 100
 103 69.1 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.088 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion:101 Resp: 179249
 Ion Ratio Lower Upper
 101 100
 151 74.9 61.4 92.0

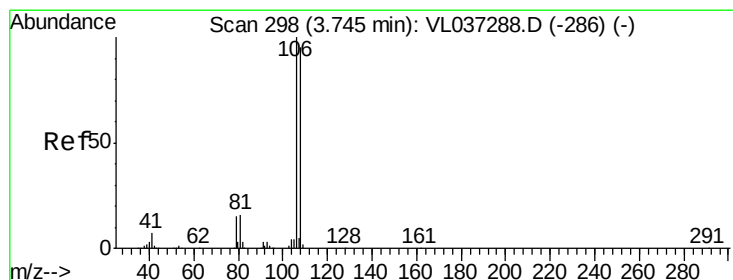
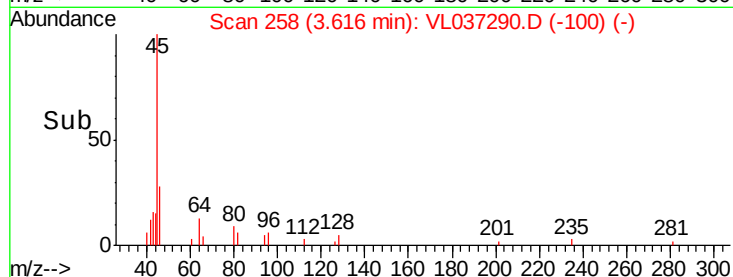
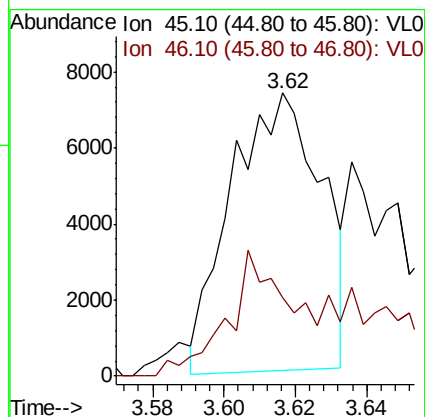
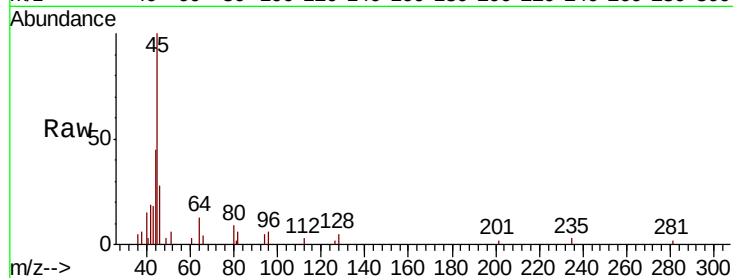




#13
Ethanol
Concen: 1.020 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

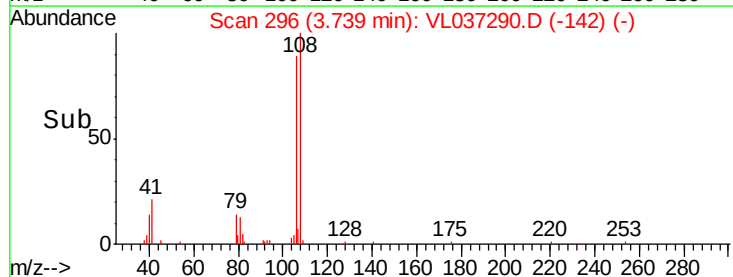
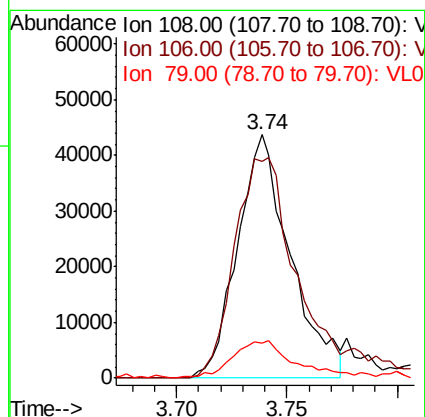
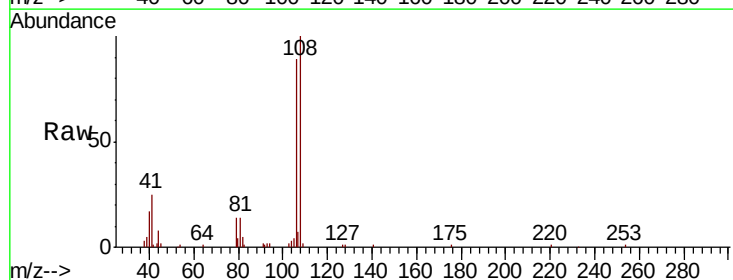
Instrument :
MSVOA_L
ClientSampled :

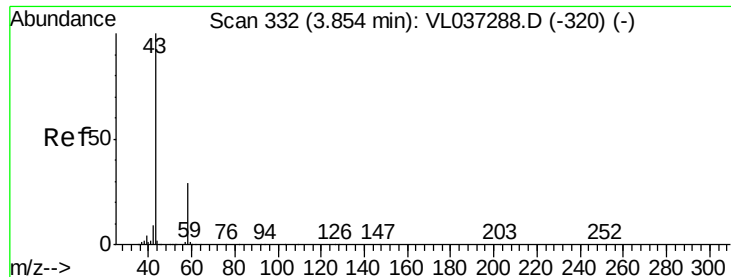
Tot Ion: 45 Resp: 12812
Ion Ratio Lower Upper
45 100
46 31.6 16.2 64.8



#14
Bromoethene
Concen: 1.051 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion: 108 Resp: 72691
Ion Ratio Lower Upper
108 100
106 115.8 86.2 129.2
79 18.4 13.3 19.9





#15

Acetone

Concen: 2.088 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

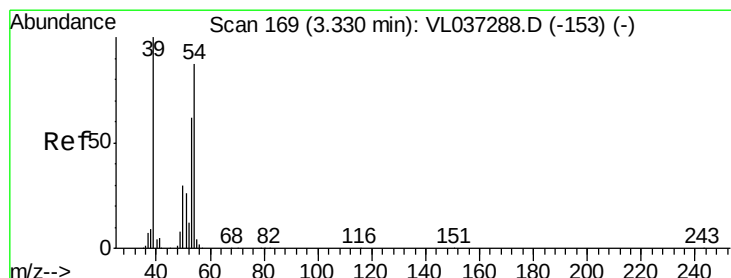
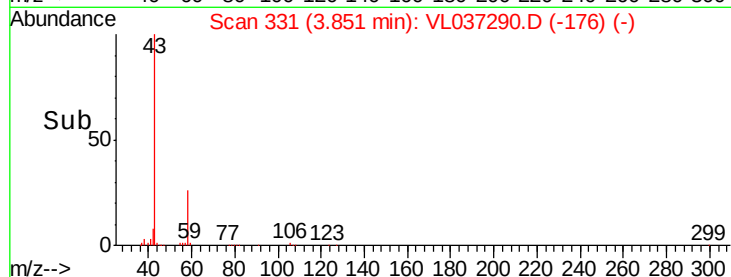
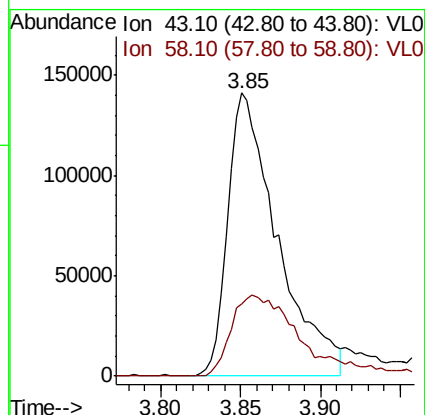
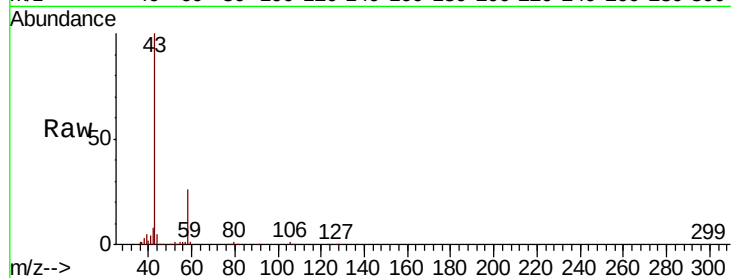
ClientSampleId :

Tot Ion: 43 Resp: 300369

Ion Ratio Lower Upper

43 100

58 40.5 24.2 36.4#



#16

1,3-Butadiene

Concen: 1.046 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL037290.D

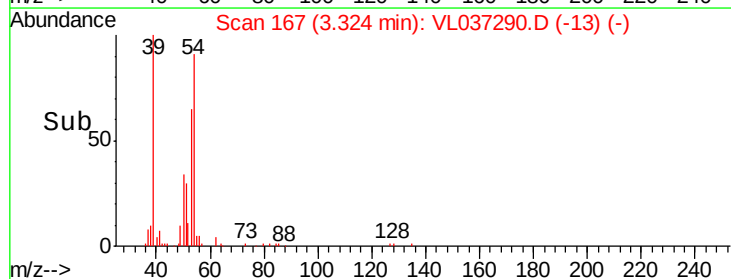
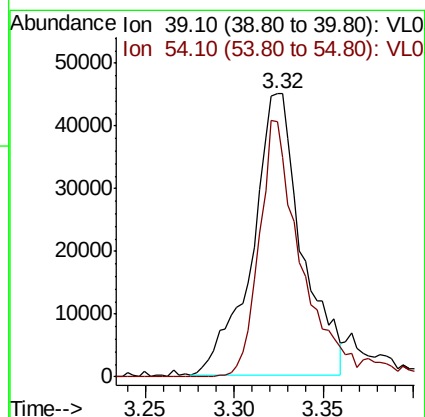
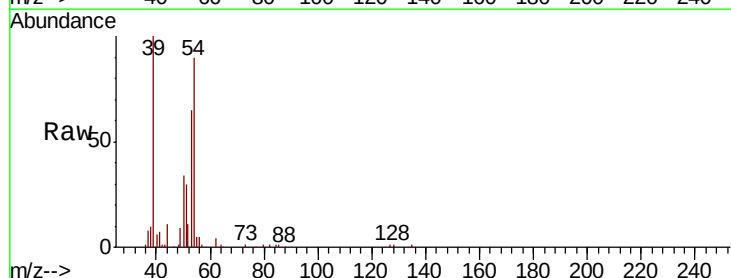
Acq: 30 Jul 2021 18:36

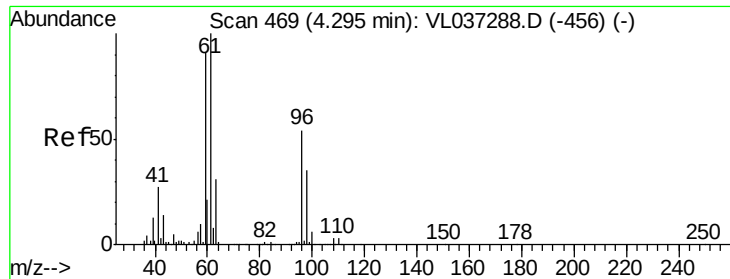
Tgt Ion: 39 Resp: 87449

Ion Ratio Lower Upper

39 100

54 82.0 63.9 95.9

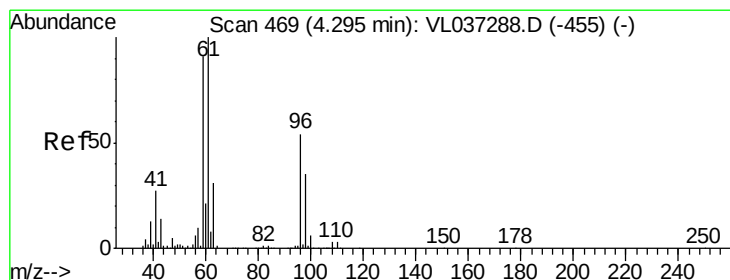
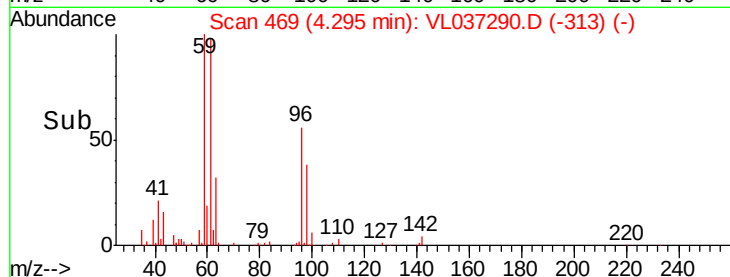
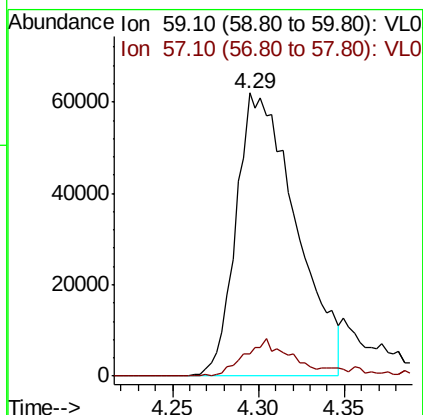
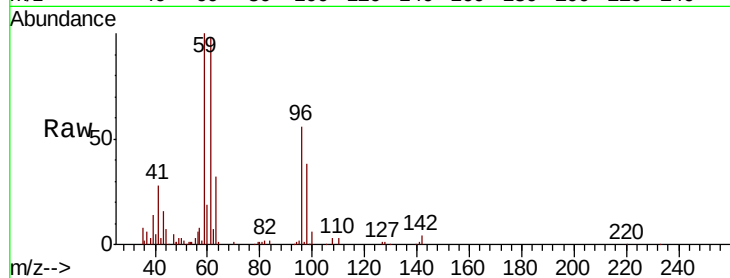




#17
 tert-Butyl alcohol
 Concen: 1.140 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

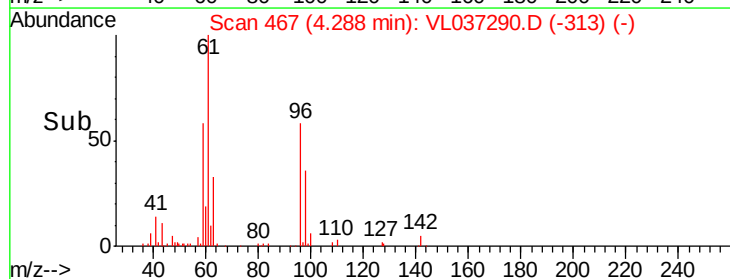
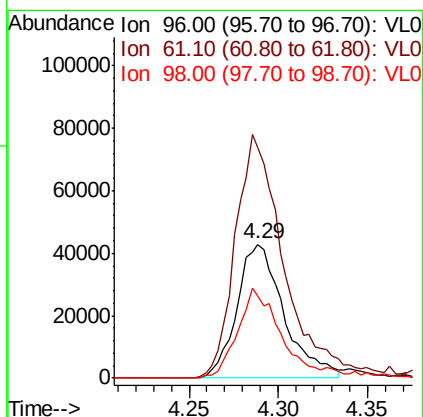
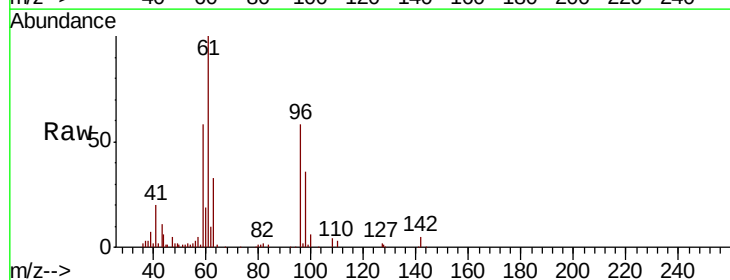
Instrument :
 MSVOA_L
 ClientSampleId :

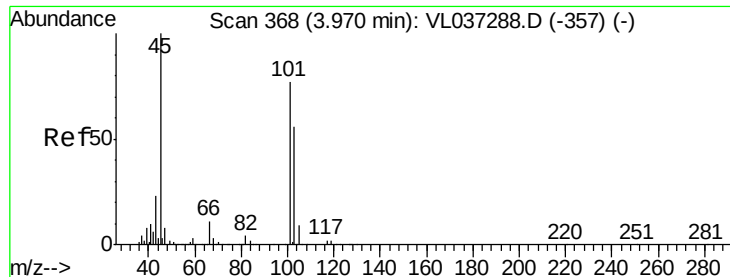
Tot Ion: 59 Resp: 149724
 Ion Ratio Lower Upper
 59 100
 57 12.8 8.6 13.0



#18
 1,1-Dichloroethene
 Concen: 1.073 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion: 96 Resp: 78623
 Ion Ratio Lower Upper
 96 100
 61 173.1 148.3 222.5
 98 61.5 51.4 77.0





#19

Isopropyl Alcohol

Concen: 0.411 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

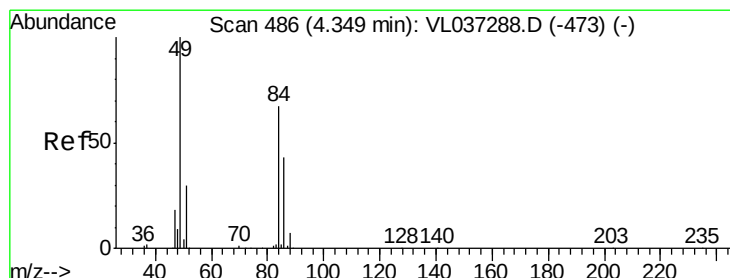
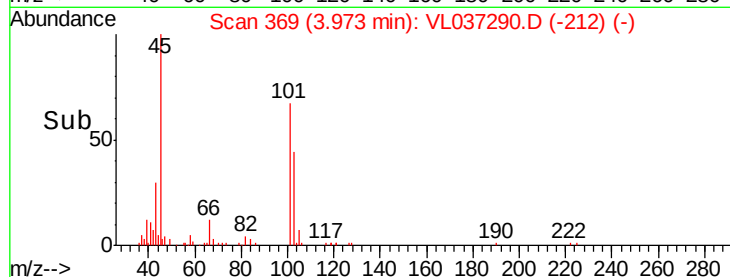
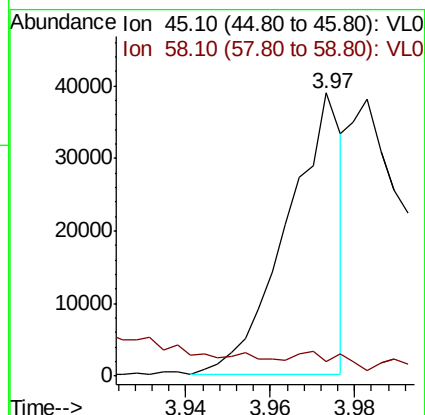
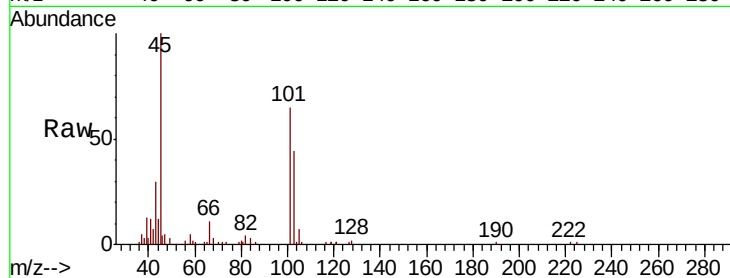
ClientSampled :

Tot Ion: 45 Resp: 35232

Ion Ratio Lower Upper

45 100

58 16.7 2.2 3.2#



#20

Methylene Chloride

Concen: 1.059 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Tgt Ion: 84 Resp: 94970

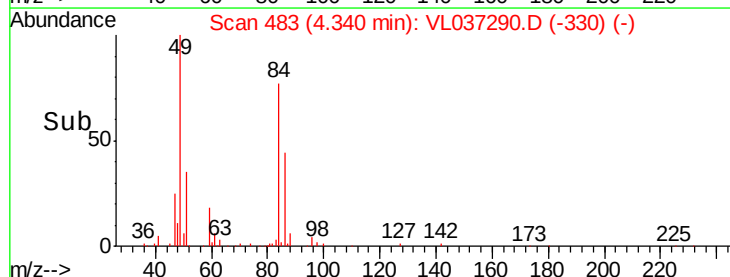
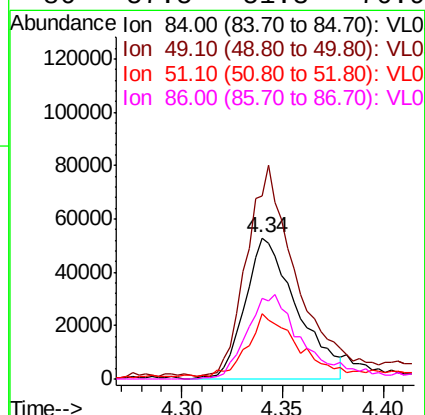
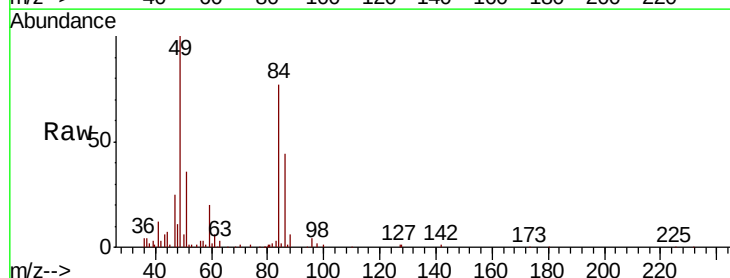
Ion Ratio Lower Upper

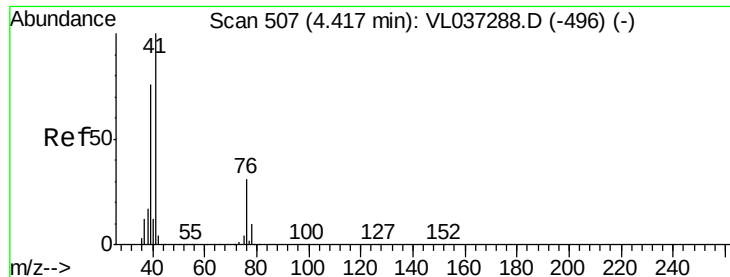
84 100

49 127.0 120.2 180.4

51 43.1 36.5 54.7

86 57.5 51.3 76.9

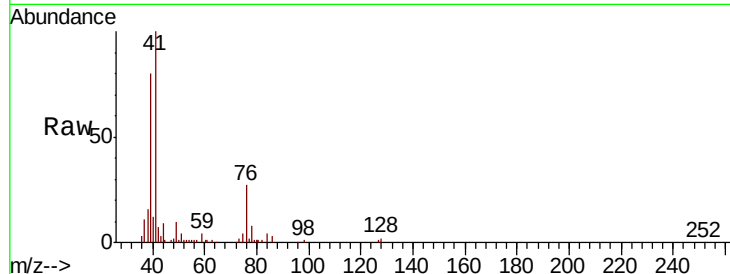




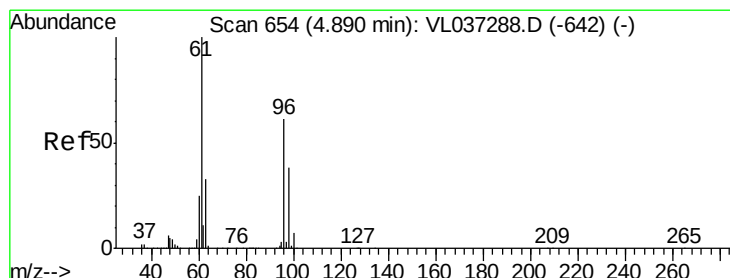
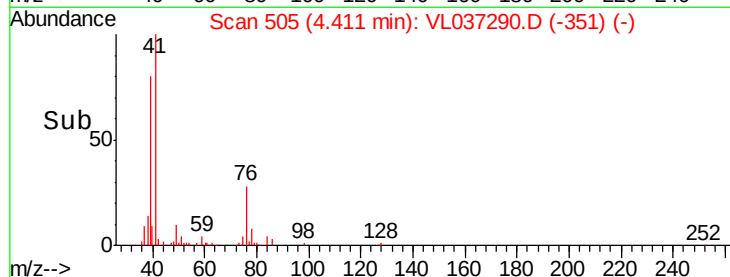
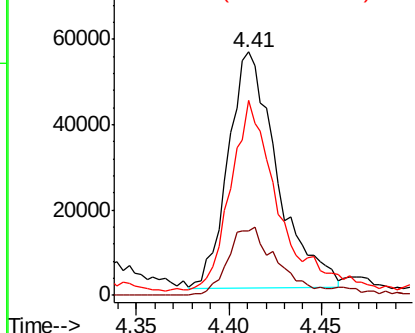
#21
 Allvl Chloride
 Concen: 0.949 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 41 Resp: 101611
 Ion Ratio Lower Upper
 41 100
 76 30.9 24.7 37.1
 39 86.4 64.5 96.7

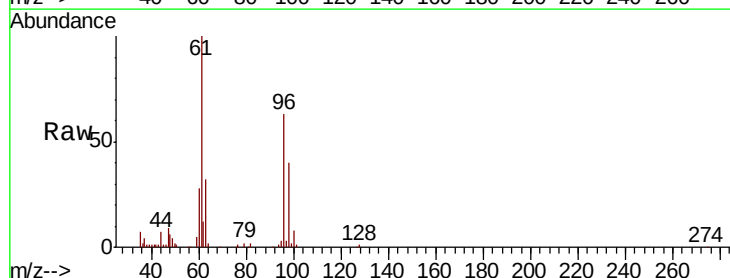


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

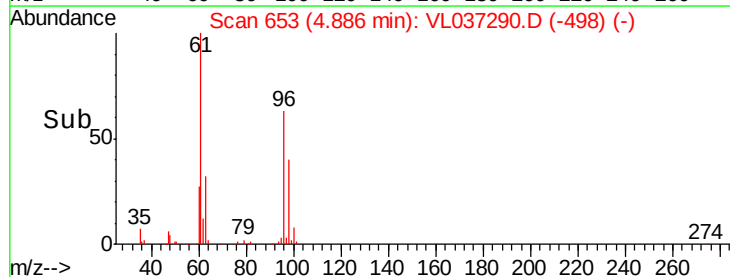
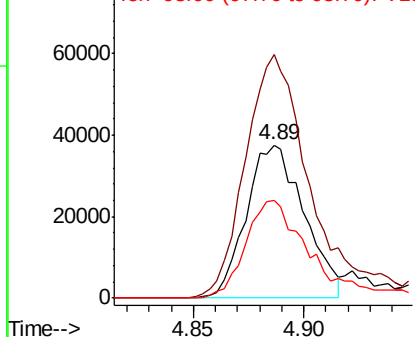


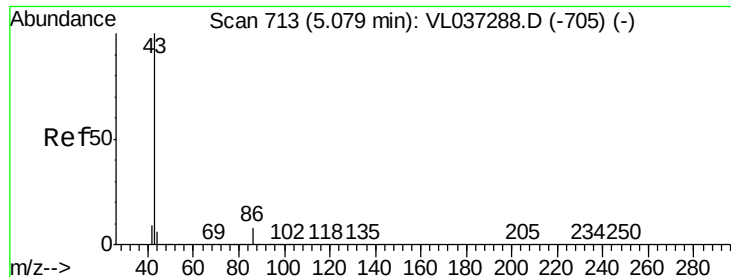
#22
 trans-1,2-Dichloroethene
 Concen: 0.937 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion: 96 Resp: 68528
 Ion Ratio Lower Upper
 96 100
 61 158.5 131.1 196.7
 98 64.1 49.9 74.9



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

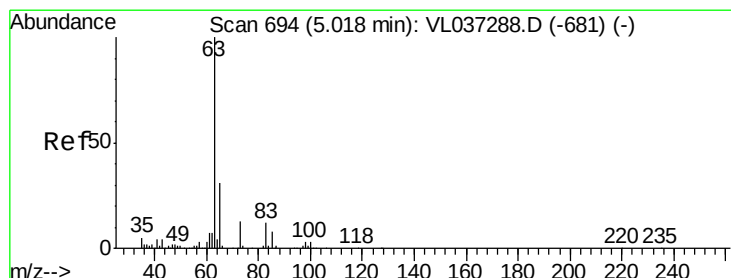
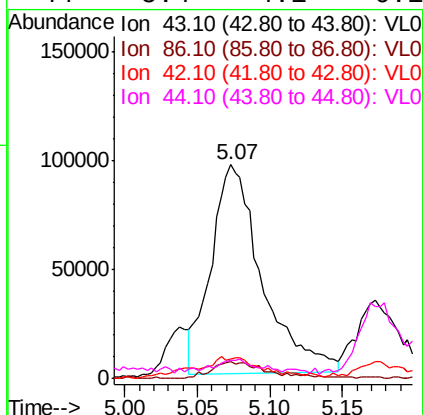
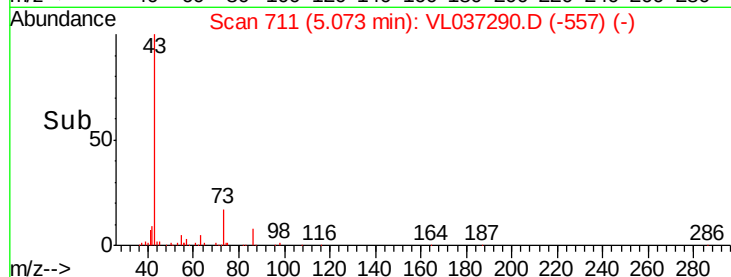
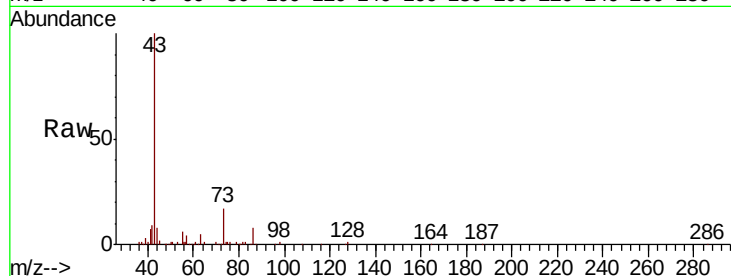




#23
 Vinyl Acetate
 Concen: 1.182 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

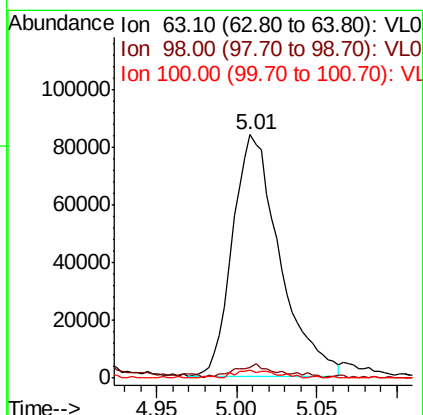
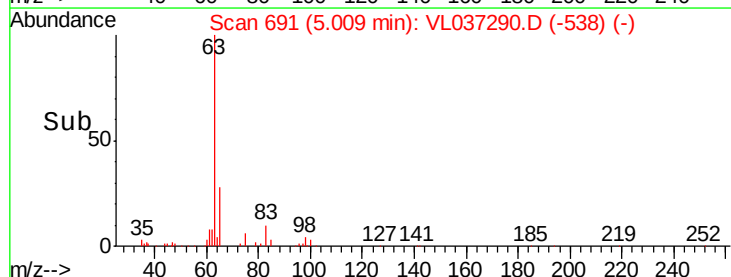
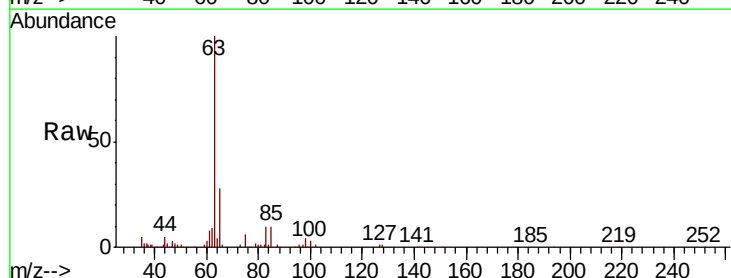
Instrument :
 MSVOA_L
 ClientSampled :

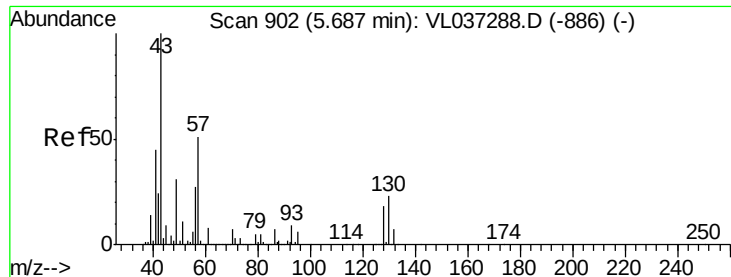
Tot Ion:	43	Resp:	235758
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.7	8.5
42	8.5	8.1	12.1
44	5.4	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 1.052 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion:	63	Resp:	168691
Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.0	5.8
100	3.4	1.4	4.2





#25

Ethyl Acetate

Concen: 1.097 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL037290.D

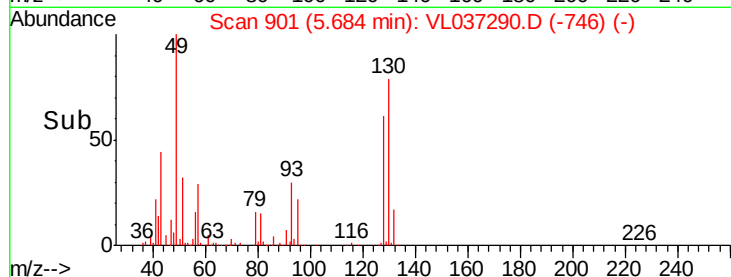
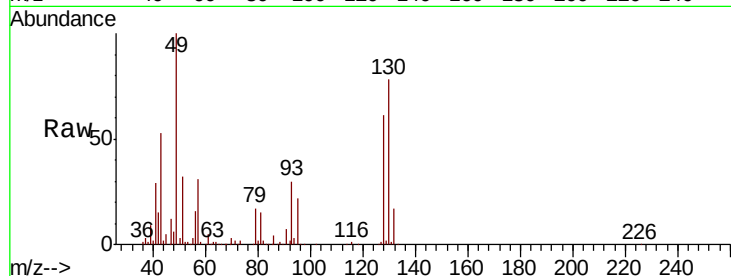
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :

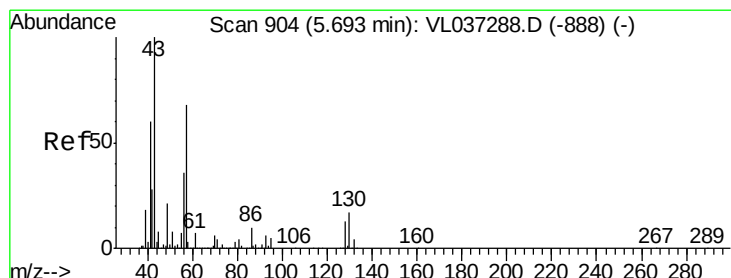
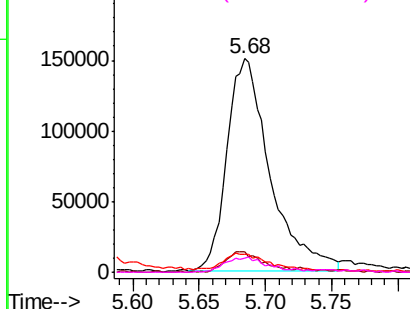
Tot Ion: 43 Resp: 343783

Ion Ratio Lower Upper

43	100		
45	8.9	7.4	11.2
61	9.9	7.8	11.6
70	8.3	5.4	8.2#



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: 1.141 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

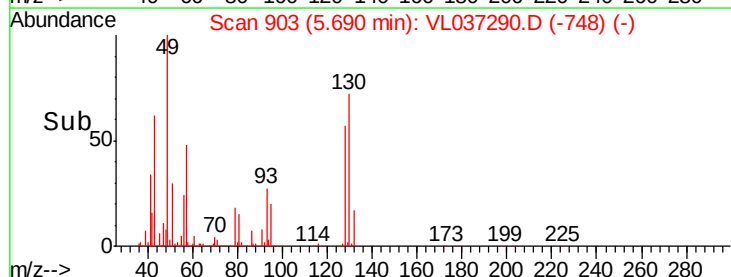
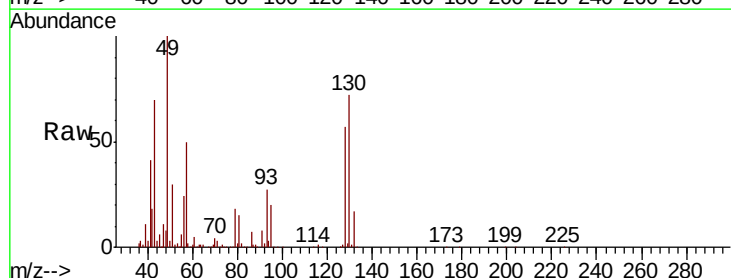
Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

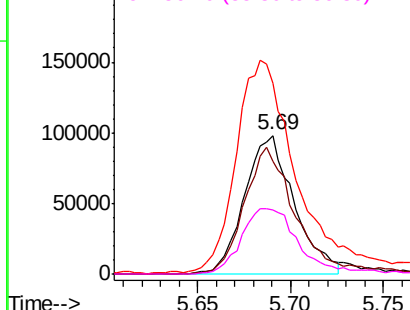
Tgt Ion: 57 Resp: 183441

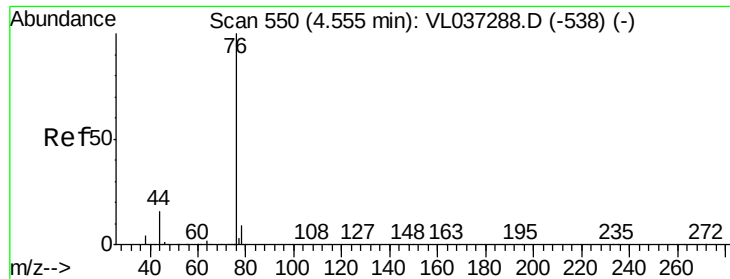
Ion Ratio Lower Upper

57	100		
41	97.7	71.0	106.6
43	205.8	155.0	232.4
56	55.3	42.0	63.0



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





#27

Carbon Disulfide

Concen: 0.934 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

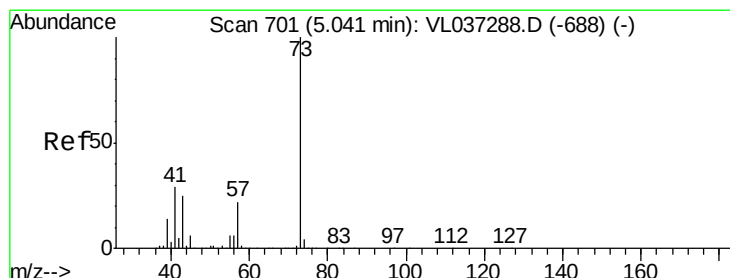
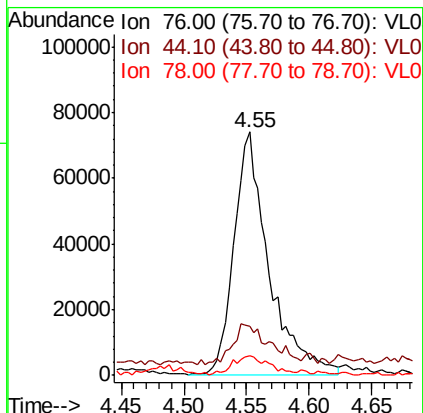
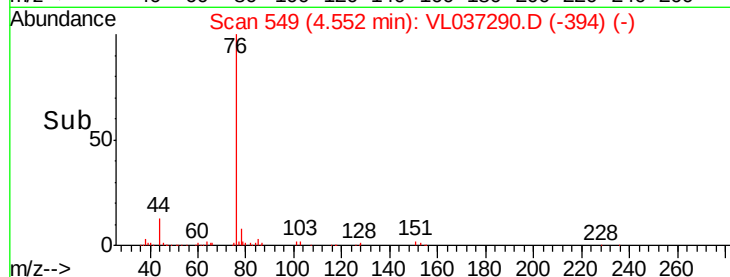
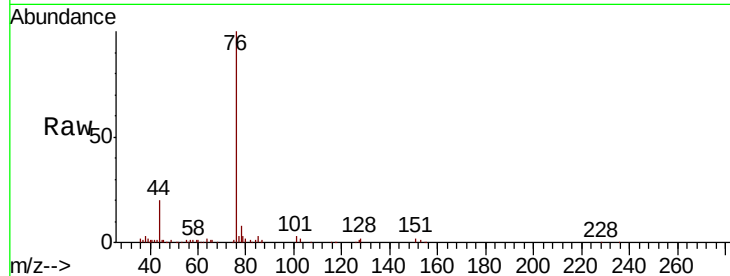
Tot Ion: 76 Resp: 141650

Ion Ratio Lower Upper

76 100

44 17.6 14.1 21.1

78 9.4 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 1.100 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL037290.D

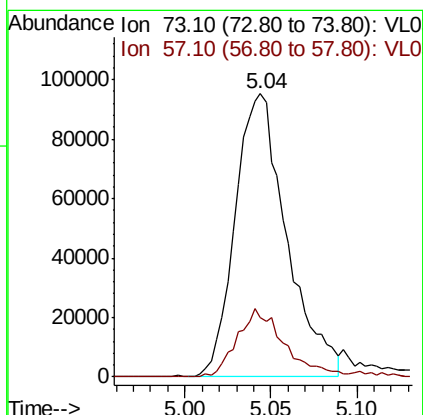
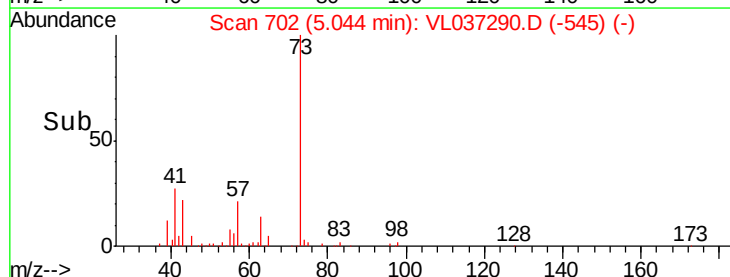
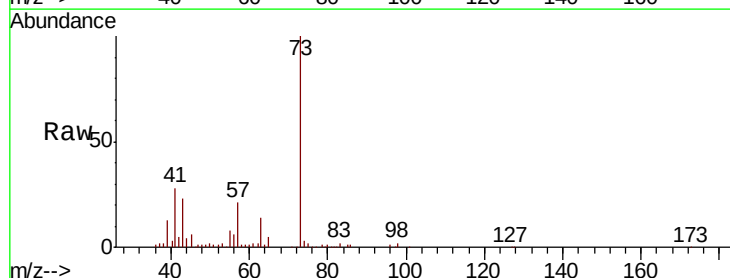
Acq: 30 Jul 2021 18:36

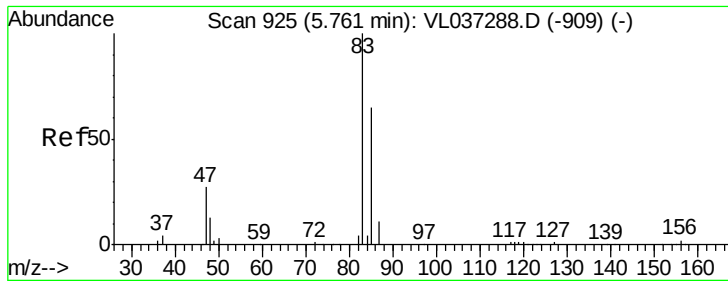
Tgt Ion: 73 Resp: 198364

Ion Ratio Lower Upper

73 100

57 23.6 19.0 28.6

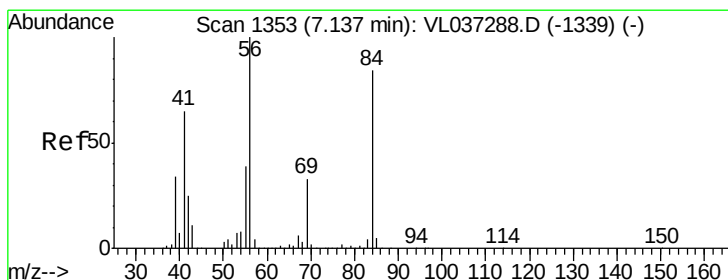
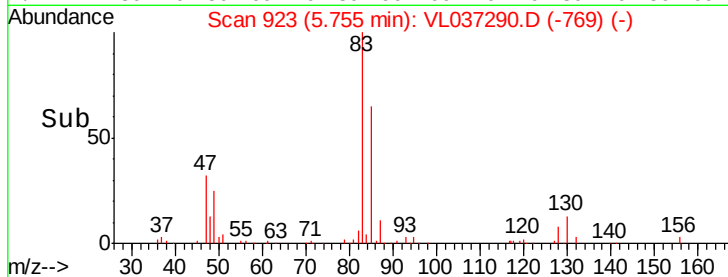
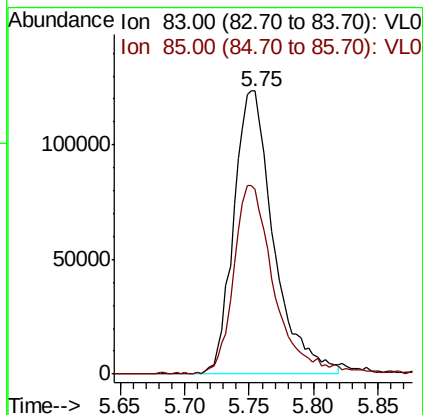
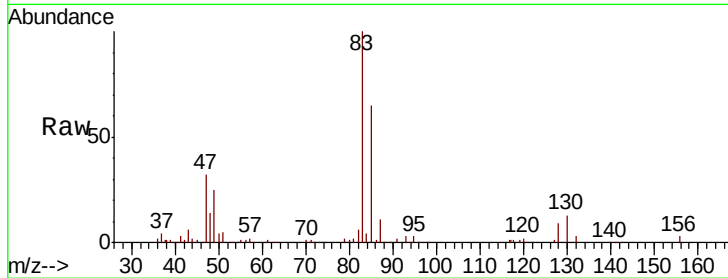




#29
Chloroform
Concen: 1.103 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

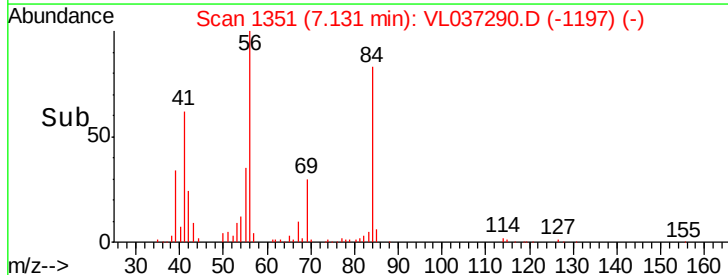
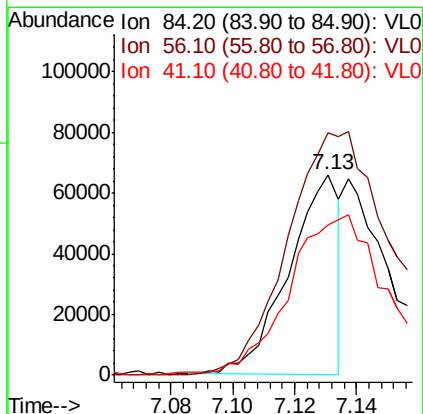
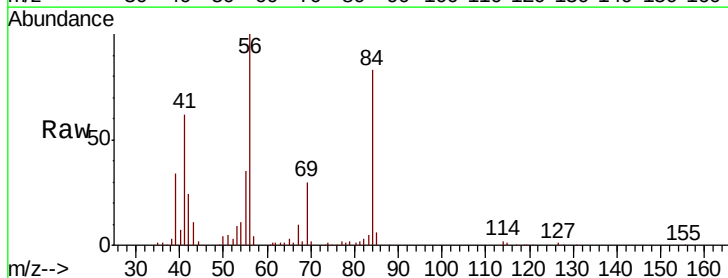
Instrument :
MSVOA_L
ClientSampled :

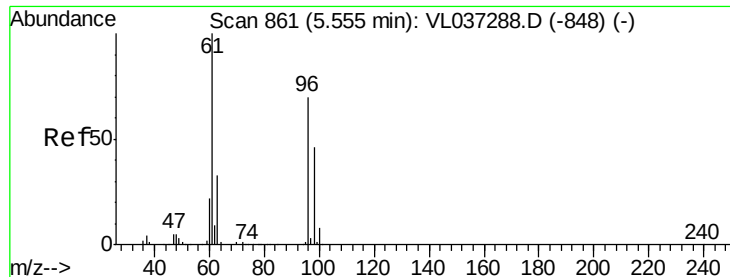
Tot Ion: 83 Resp: 266058
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9



#30
Cyclohexane
Concen: 0.564 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion: 84 Resp: 74167
Ion Ratio Lower Upper
84 100
56 0.0 104.1 156.1#
41 0.0 64.7 97.1#





#31

cis-1,2-Dichloroethene

Concen: 1.043 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

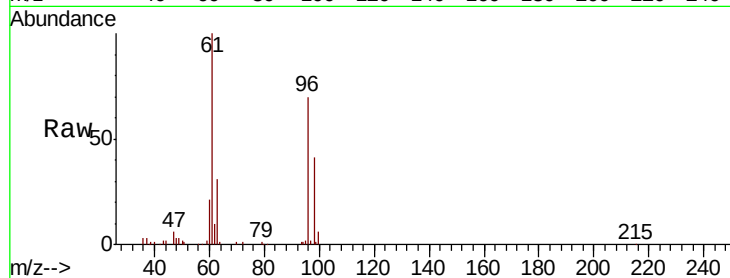
Tot Ion: 61 Resp: 150677

Ion Ratio Lower Upper

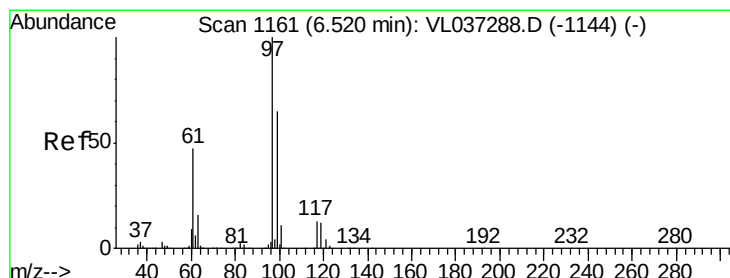
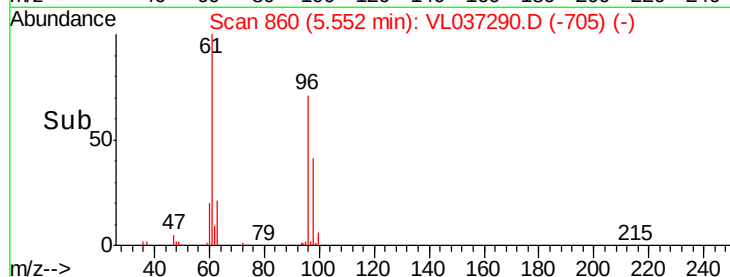
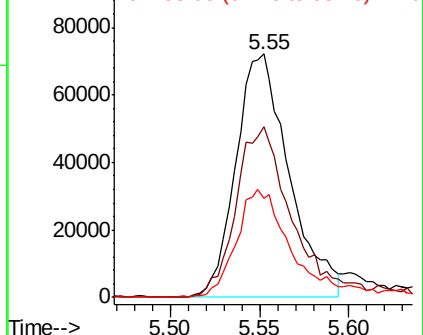
61 100

96 70.0 55.9 83.9

98 40.8 37.1 55.7



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



#32

1,1,1-Trichloroethane

Concen: 1.000 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

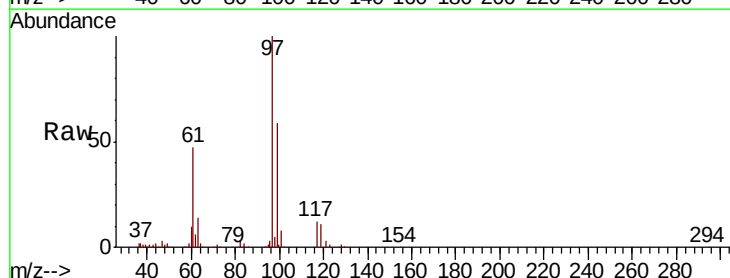
Tgt Ion: 97 Resp: 257241

Ion Ratio Lower Upper

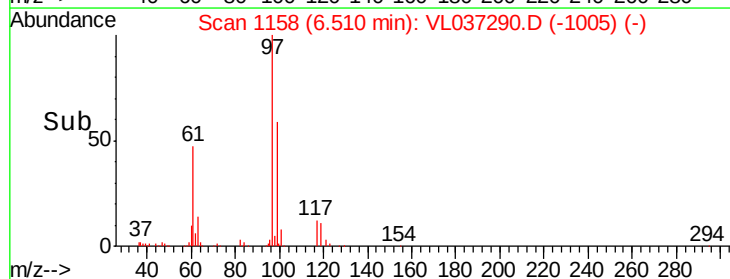
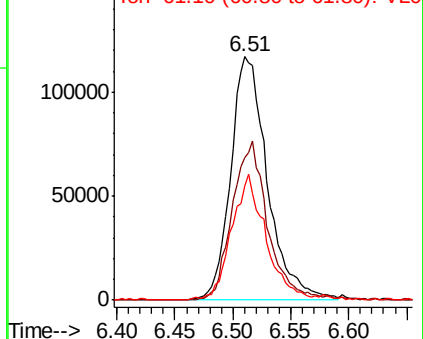
97 100

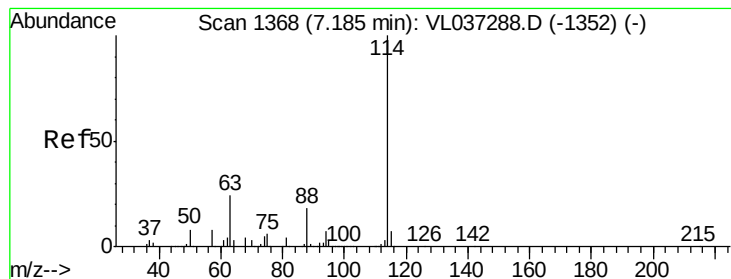
99 63.8 52.5 78.7

61 49.2 38.2 57.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

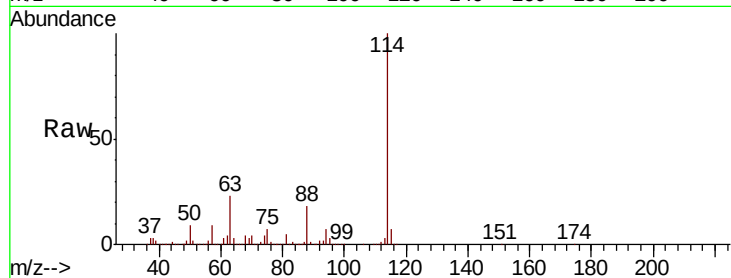
Tot Ion:114 Resp: 3922398

Ion Ratio Lower Upper

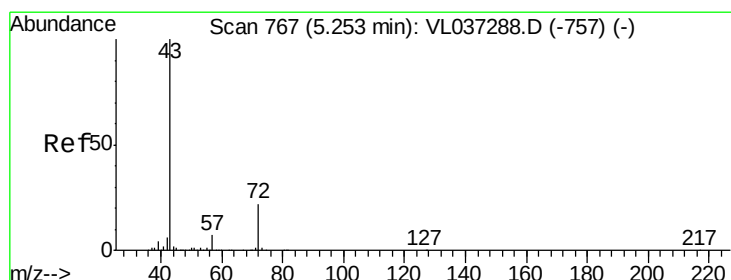
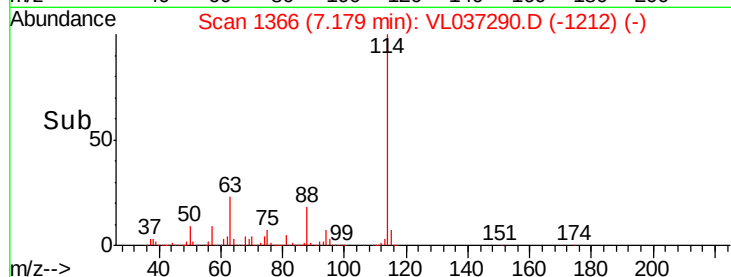
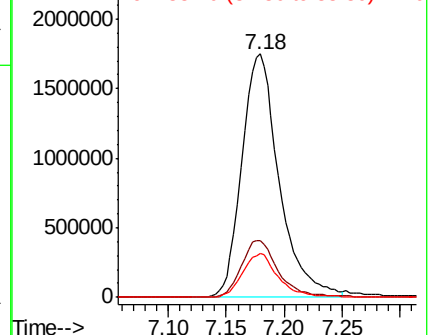
114 100

63 23.6 19.0 28.4

88 17.7 14.0 21.0



Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.429 ppbv

RT: 5.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VL037290.D

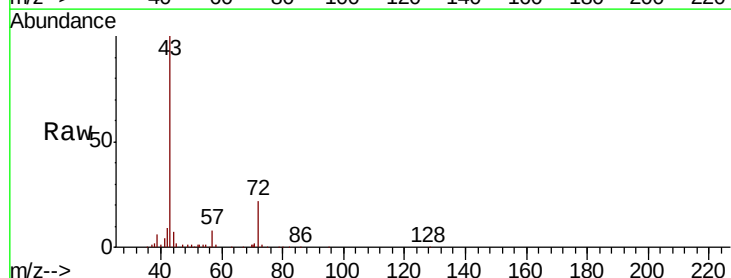
Acq: 30 Jul 2021 18:36

Tgt Ion: 43 Resp: 65370

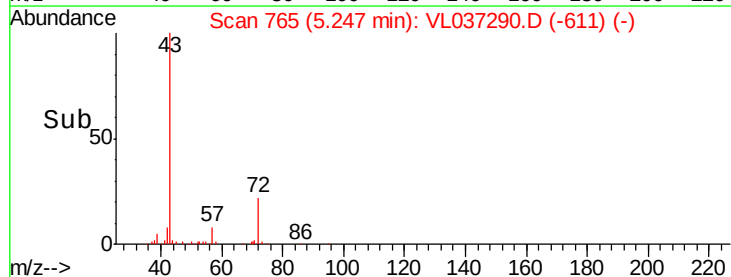
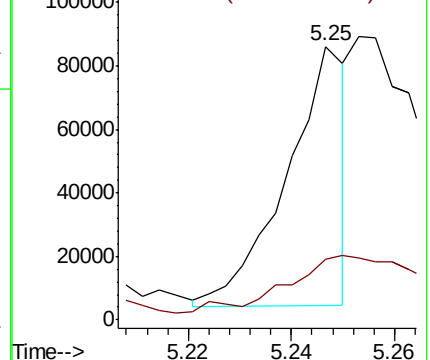
Ion Ratio Lower Upper

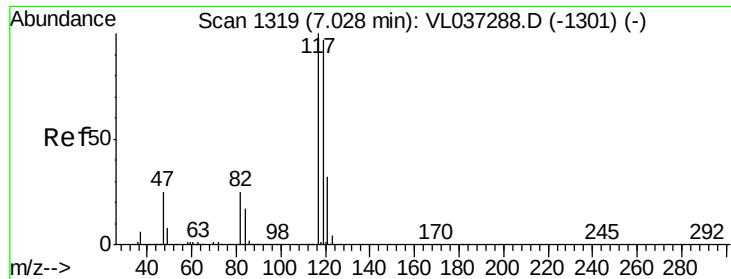
43 100

72 0.0 18.5 27.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.978 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

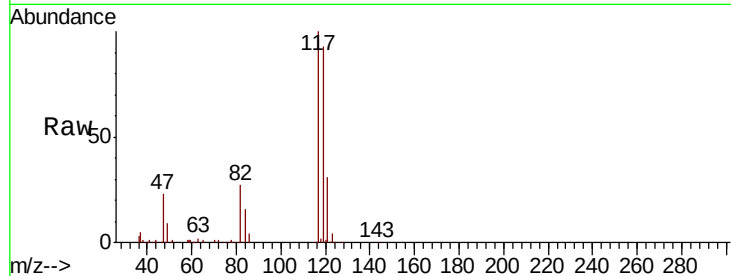
Tot Ion:117 Resp: 255047

Ion Ratio Lower Upper

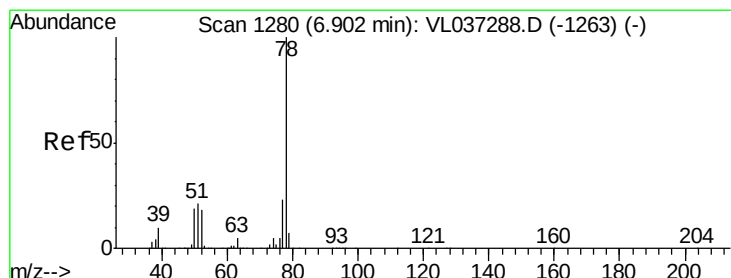
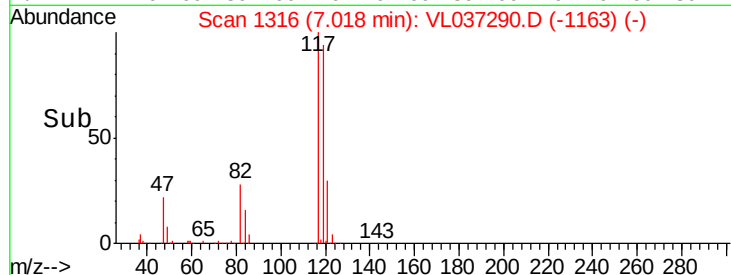
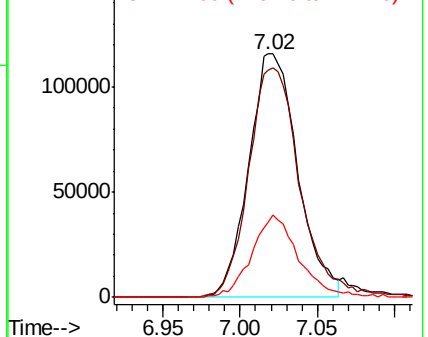
117 100

119 93.4 77.4 116.2

121 30.6 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.554 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

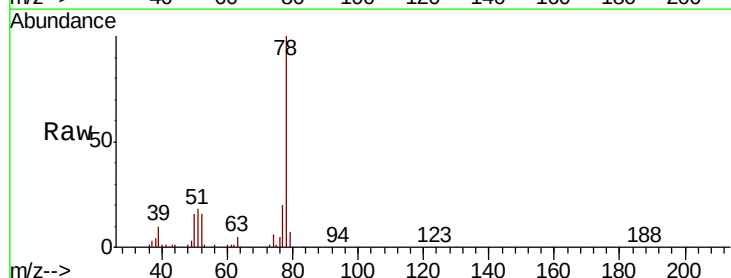
Tgt Ion: 78 Resp: 176389

Ion Ratio Lower Upper

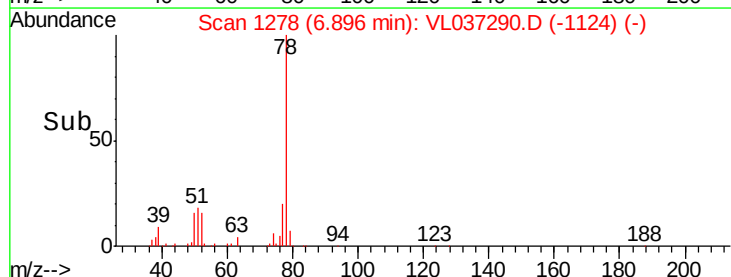
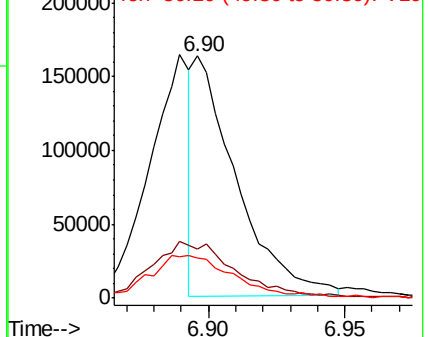
78 100

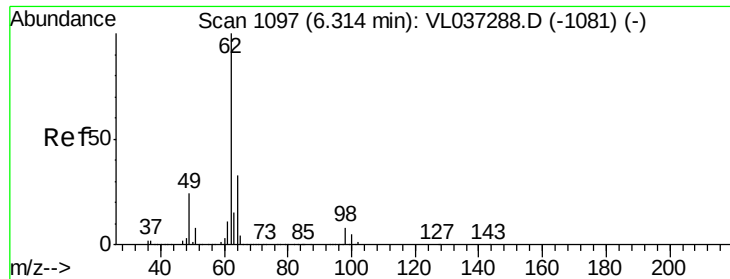
77 20.2 18.3 27.5

50 16.0 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

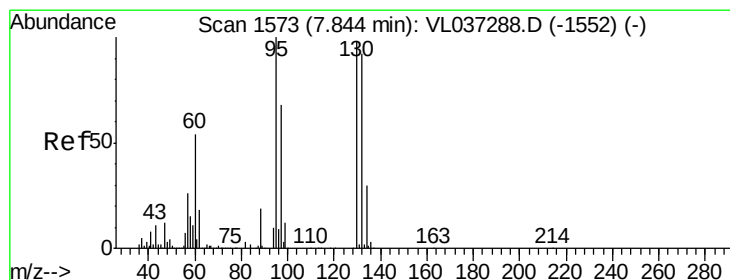
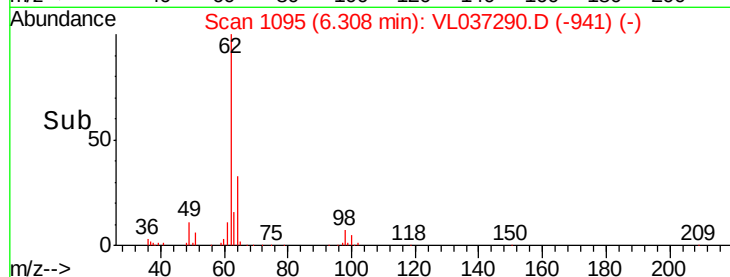
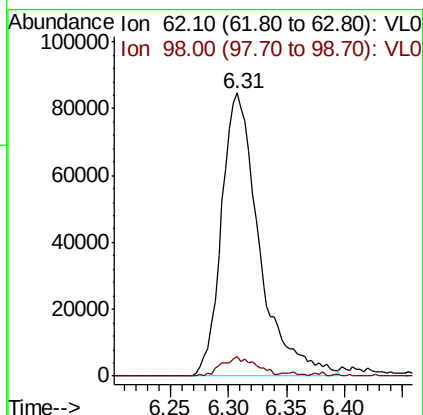
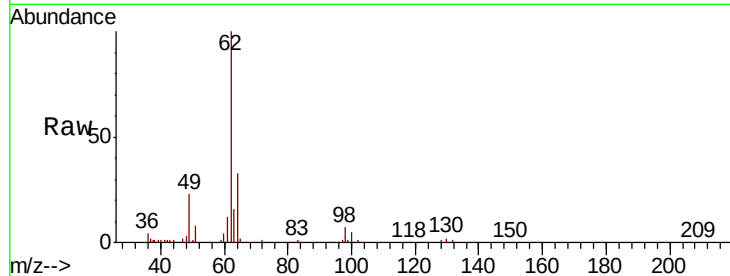




#37
 1,2-Dichloroethane
 Concen: 1.048 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

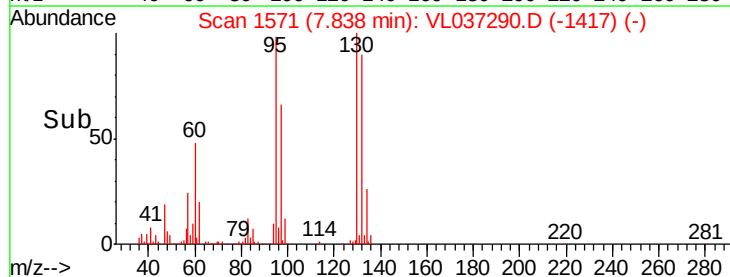
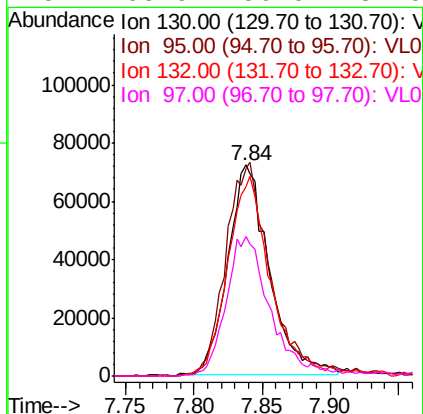
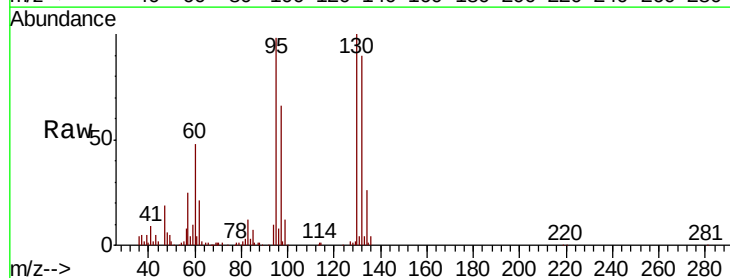
Instrument :
 MSVOA_L
 ClientSampleId :

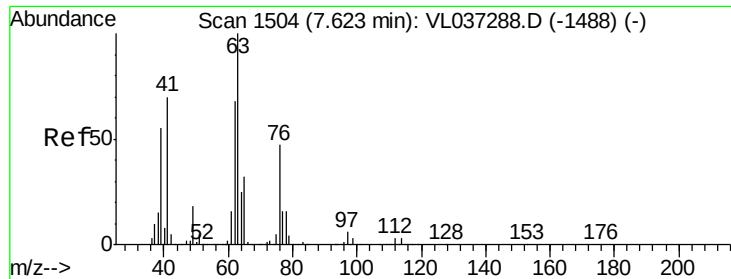
Tot Ion: 62 Resp: 191081
 Ion Ratio Lower Upper
 62 100
 98 7.1 5.8 8.6



#38
 Trichloroethene
 Concen: 1.007 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion: 130 Resp: 153032
 Ion Ratio Lower Upper
 130 100
 95 97.7 82.0 123.0
 132 90.0 75.0 112.6
 97 65.9 56.0 84.0

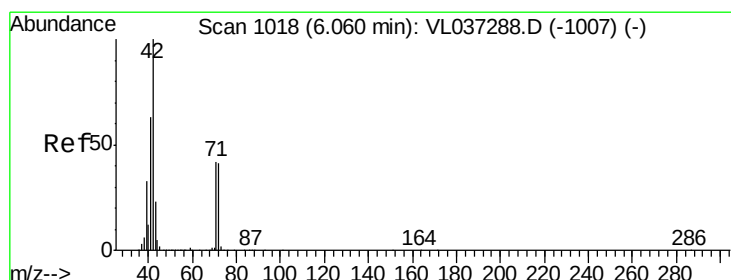
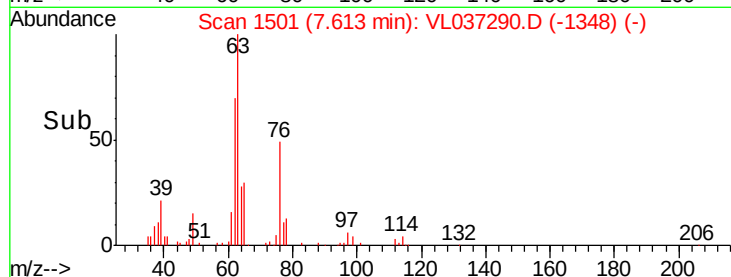
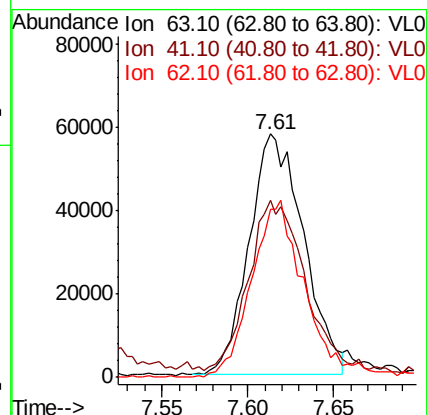
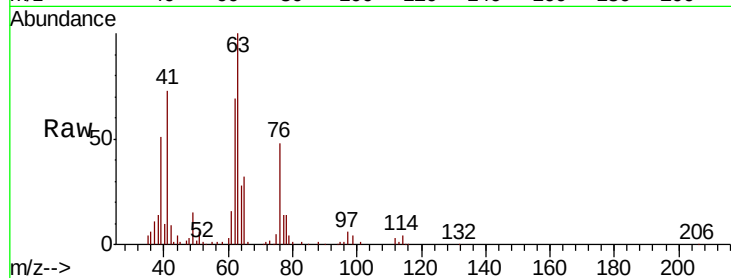




#39
 1,2-Dichloropropane
 Concen: 1.079 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

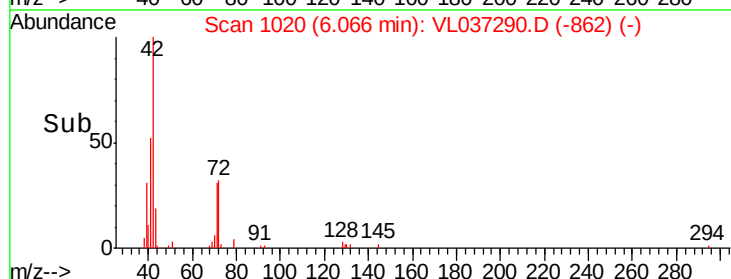
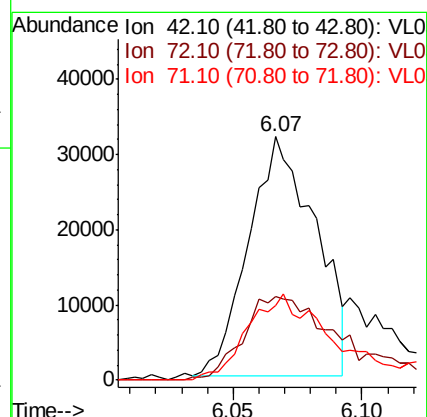
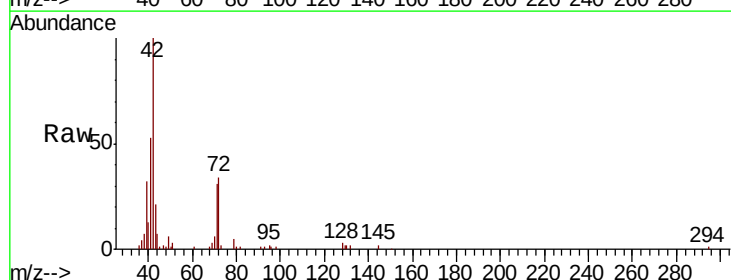
Instrument :
 MSVOA_L
 ClientSampleId :

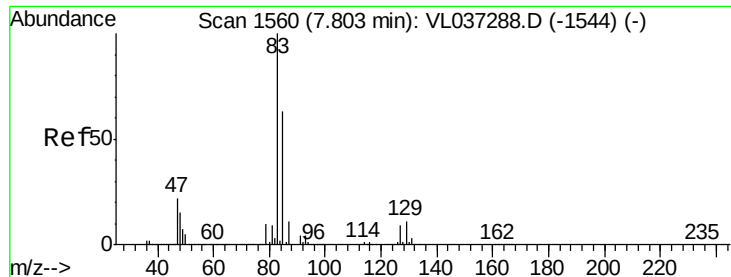
Tot Ion: 63 Resp: 127014
 Ion Ratio Lower Upper
 63 100
 41 70.3 56.4 84.6
 62 70.0 54.6 82.0



#41
 Tetrahydrofuran
 Concen: 0.812 ppbv
 RT: 6.07 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion: 42 Resp: 57524
 Ion Ratio Lower Upper
 42 100
 72 55.8 33.0 49.6#
 71 52.6 32.7 49.1#





#42

Bromodichloromethane

Concen: 0.971 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampled :

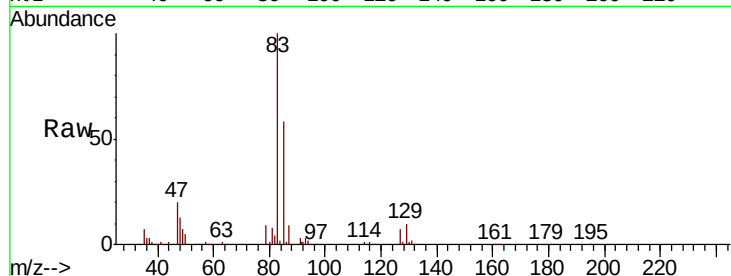
Tot Ion: 83 Resp: 244381

Ion Ratio Lower Upper

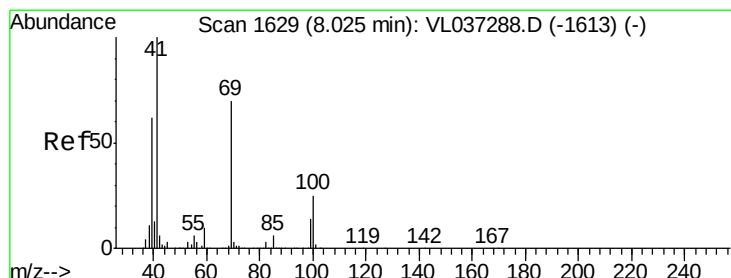
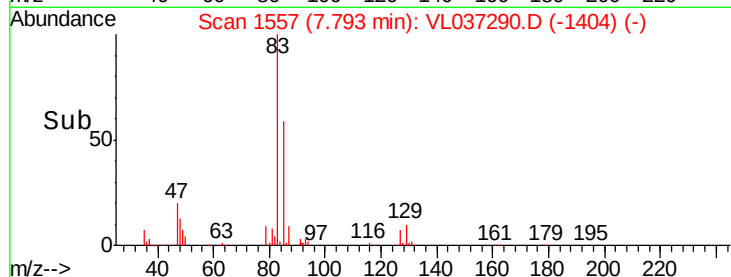
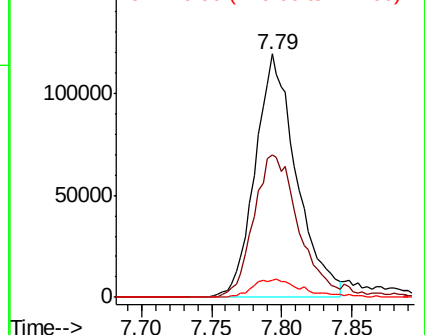
83 100

85 58.5 50.5 75.7

127 6.8 7.0 10.6#



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



#43

Methyl Methacrylate

Concen: 1.025 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

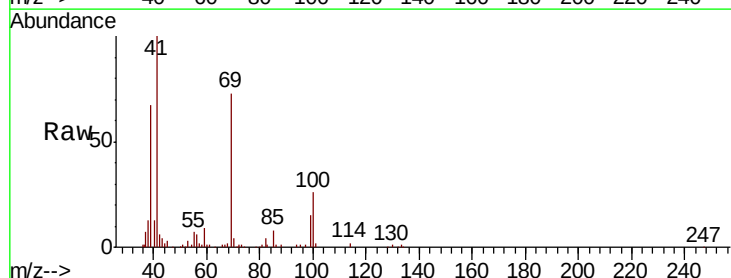
Tgt Ion: 69 Resp: 112150

Ion Ratio Lower Upper

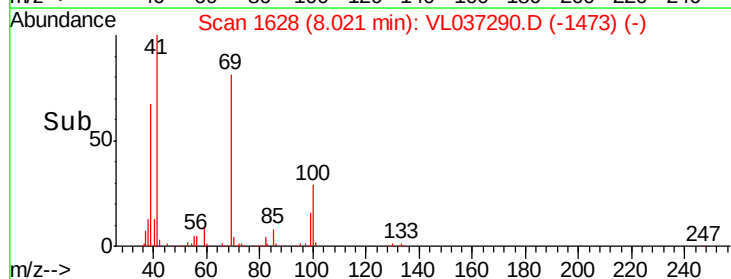
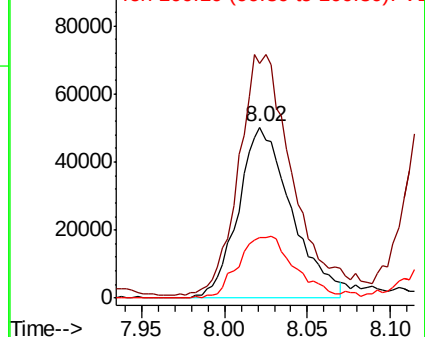
69 100

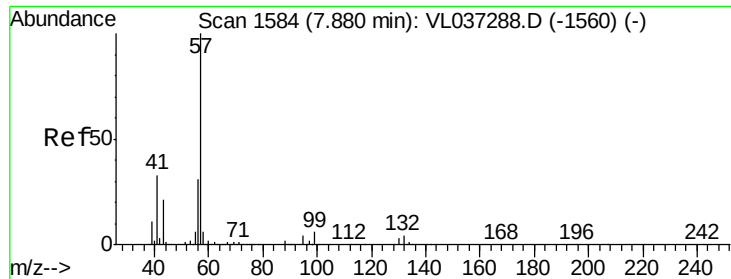
41 146.9 116.5 174.7

100 39.3 28.7 43.1



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

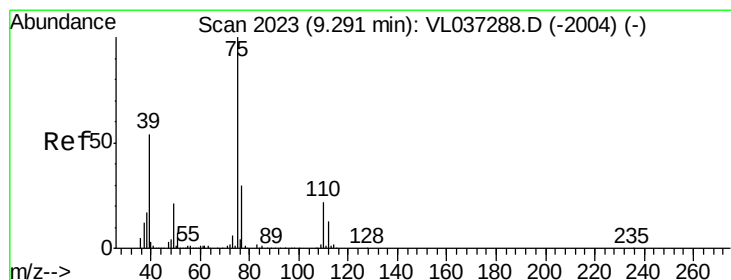
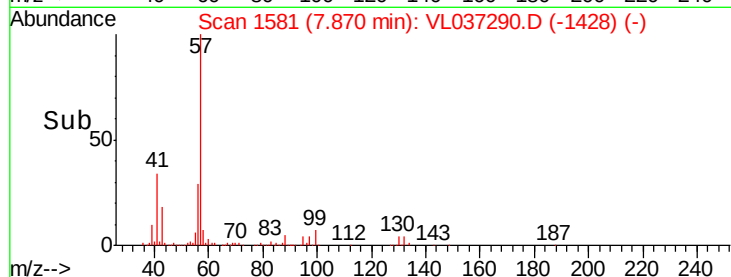
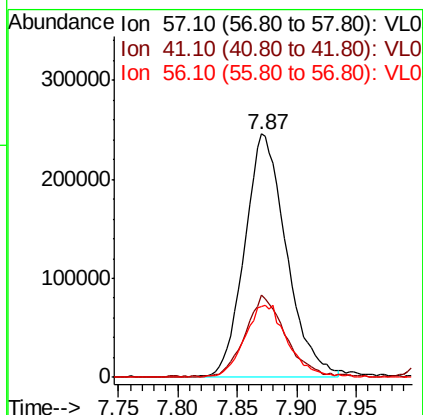
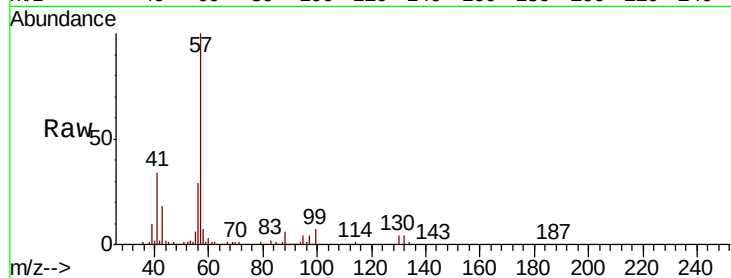




#44
 2,2,4-Trimethylpentane
 Concen: 1.116 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

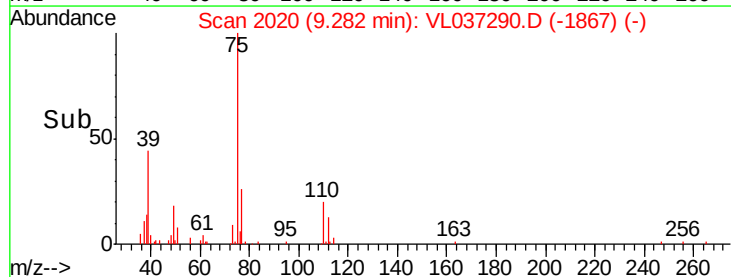
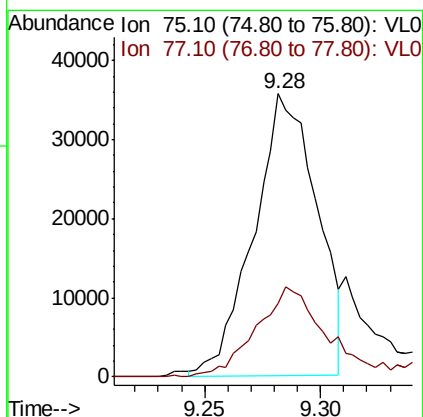
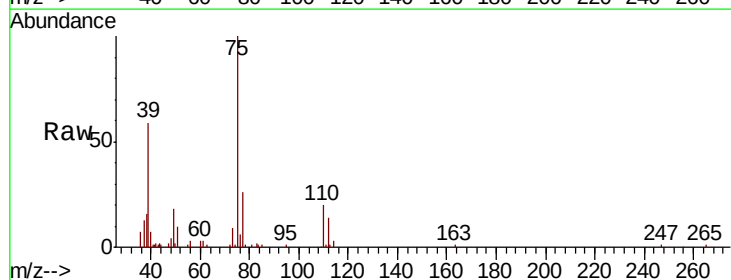
Instrument :
 MSVOA_L
 ClientSampleId :

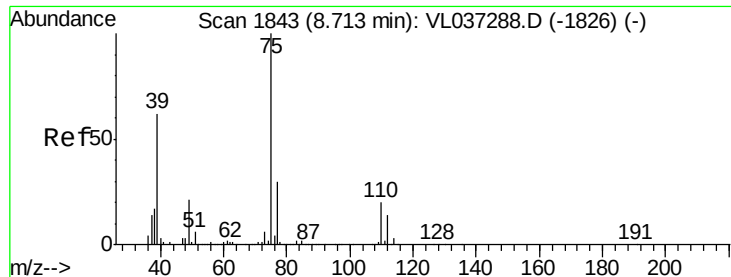
Tot Ion	57	Resp	596300
Ion	Ratio	Lower	Upper
57	100		
41	33.4	26.6	40.0
56	31.0	25.3	37.9



#45
 t-1,3-Dichloropropene
 Concen: 0.710 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	75	Resp	67577
Ion	Ratio	Lower	Upper
75	100		
77	26.0	24.3	36.5



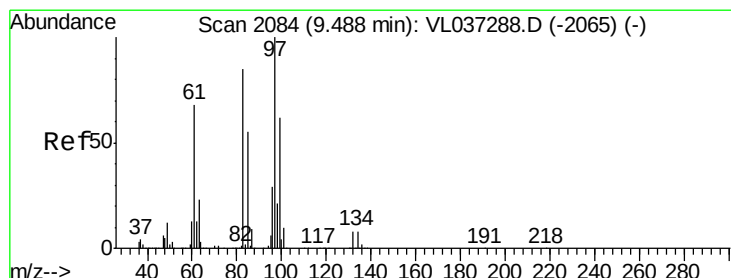
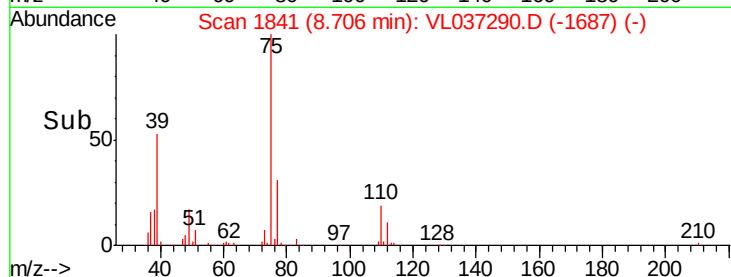
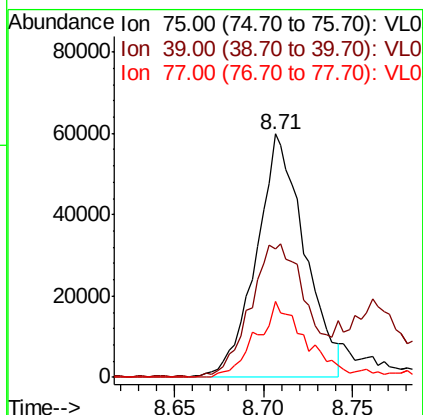
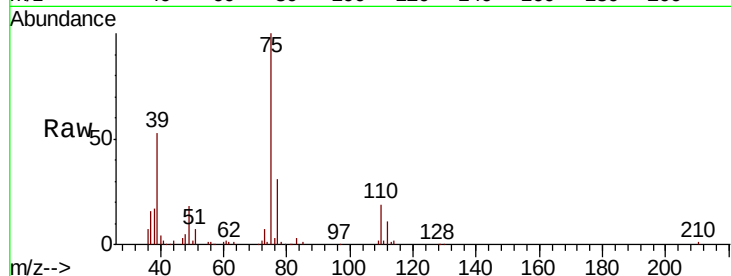


#46

cis-1,3-Dichloropropene
 Concen: 0.868 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Instrument :
 MSVOA_L
 ClientSampleId :

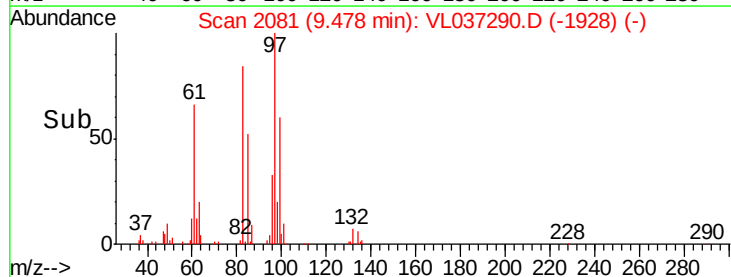
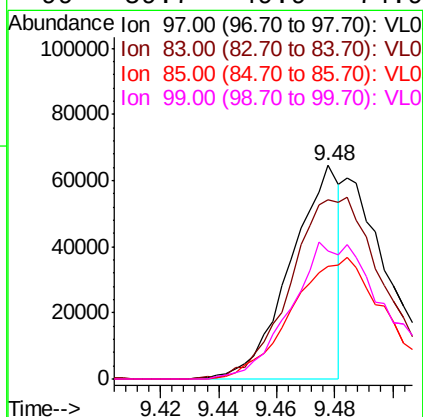
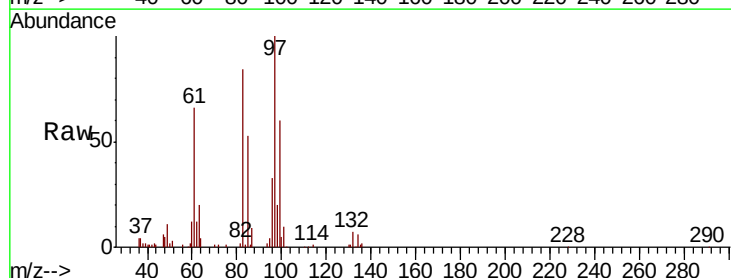
Tot Ion	Ratio	Lower	Upper
75	100		
39	52.4	49.8	74.6
77	31.3	24.3	36.5

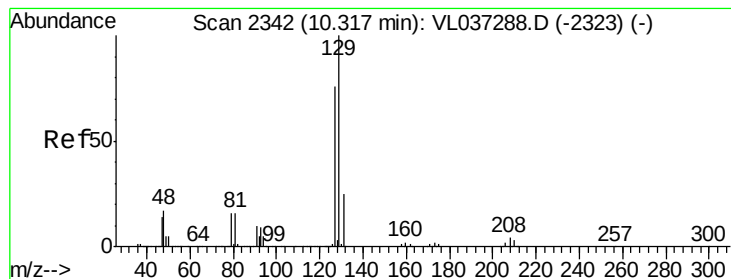


#47

1,1,2-Trichloroethane
 Concen: 0.558 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.7	101.5
85	52.6	43.8	65.6
99	59.7	49.9	74.9





#48

Dibromochloromethane

Concen: 0.399 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

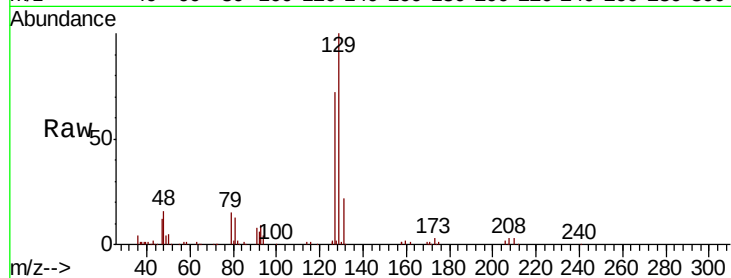
ClientSampled :

Tot Ion:129 Resp: 84689

Ion Ratio Lower Upper

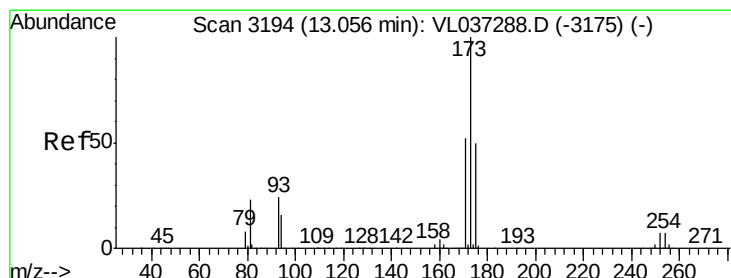
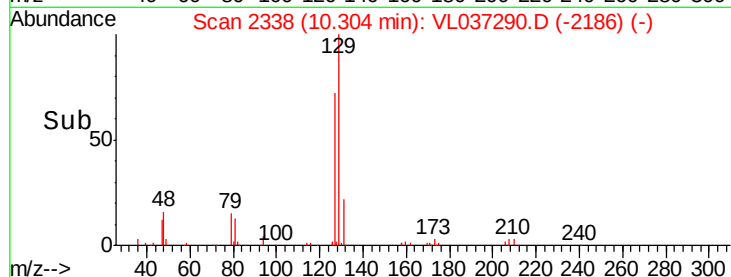
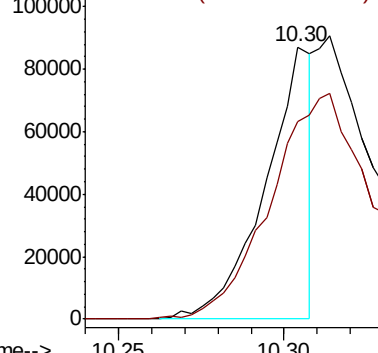
129 100

127 0.0 39.5 118.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.903 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

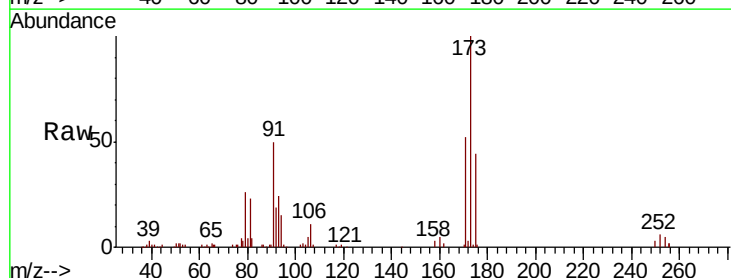
Tgt Ion:173 Resp: 144705

Ion Ratio Lower Upper

173 100

175 51.8 40.4 60.6

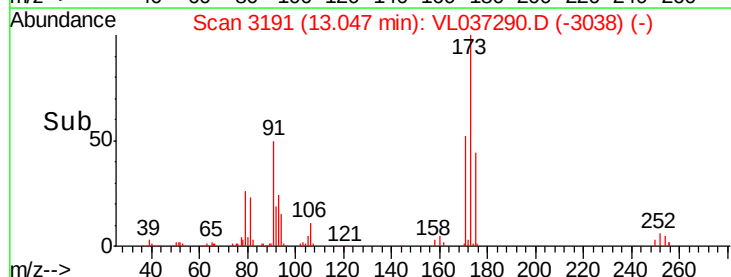
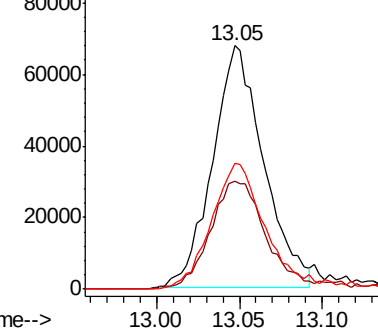
171 57.5 43.3 64.9

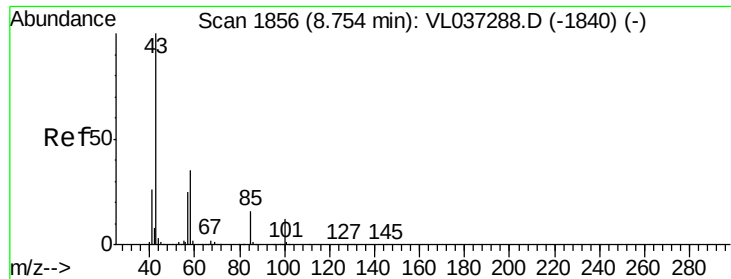


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

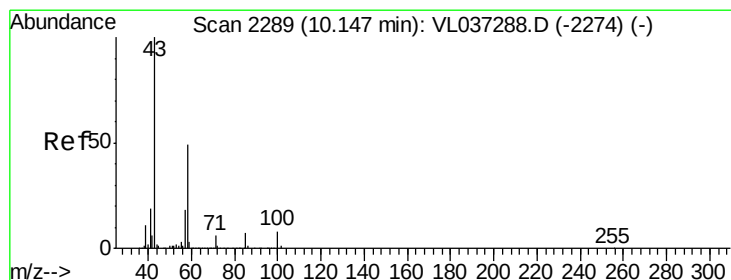
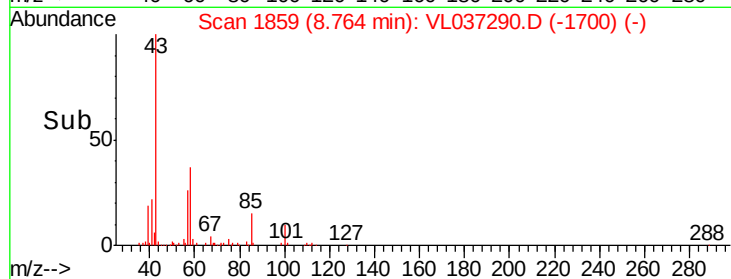
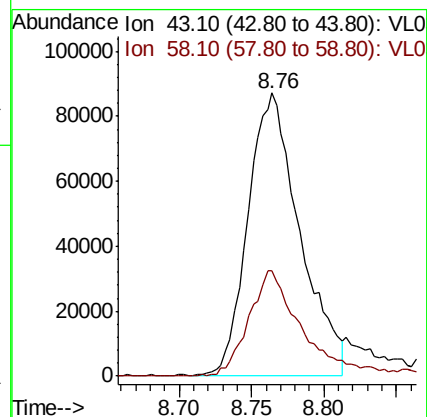
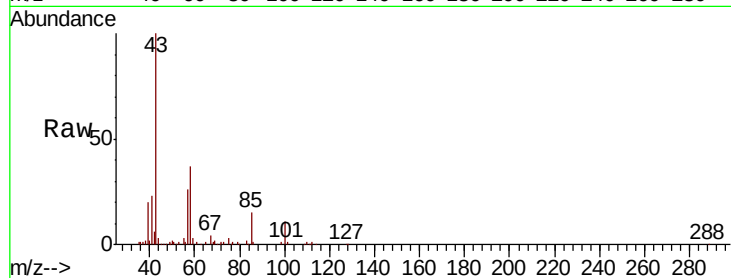




#50
 4-Methyl-2-Pentanone
 Concen: 1.041 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

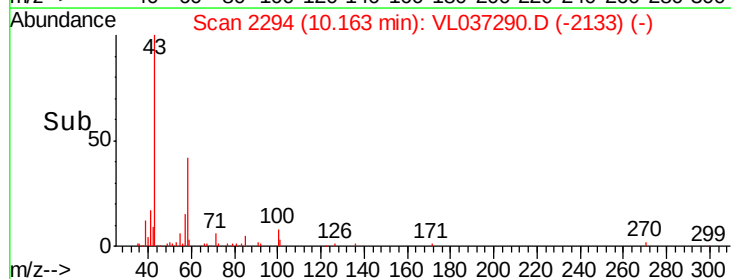
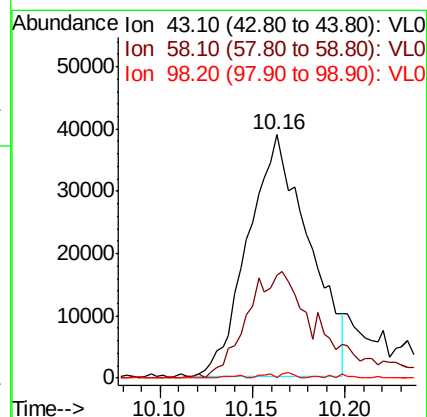
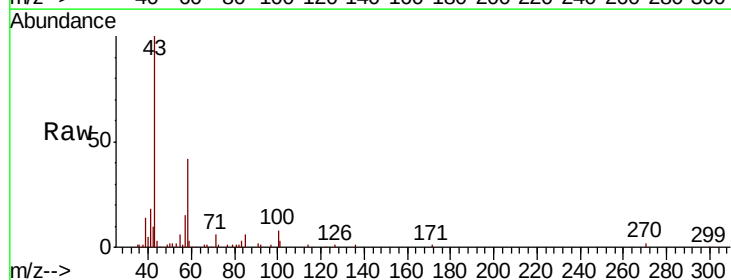
Instrument :
 MSVOA_L
 ClientSampleId :

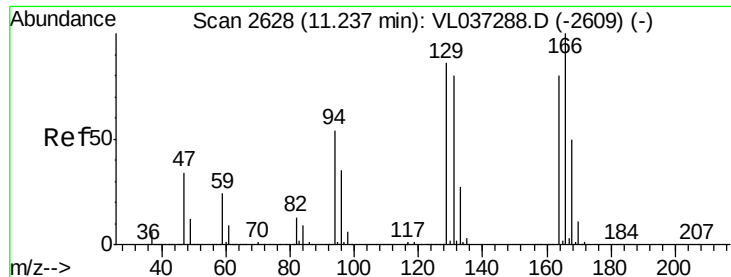
Tot Ion: 43 Resp: 216004
 Ion Ratio Lower Upper
 43 100
 58 40.1 29.2 43.8



#51
 2-Hexanone
 Concen: 0.881 ppbv
 RT: 10.16 min Scan# 2294
 Delta R.T. 0.02 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion: 43 Resp: 88827
 Ion Ratio Lower Upper
 43 100
 58 57.9 39.0 58.4
 98 1.1 0.4 0.6#





#52

Tetrachloroethene

Concen: 1.001 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 148286

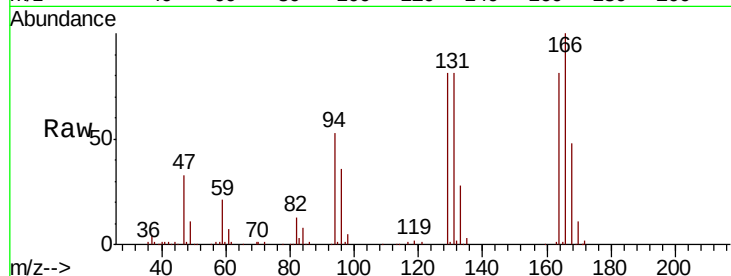
Ion Ratio Lower Upper

164 100

166 122.7 100.4 150.6

129 98.9 86.2 129.4

131 100.3 80.5 120.7

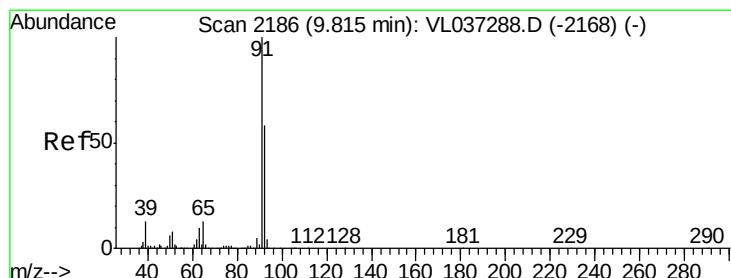
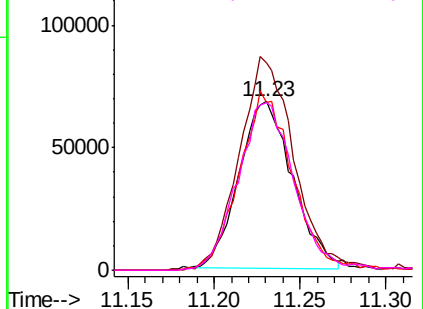
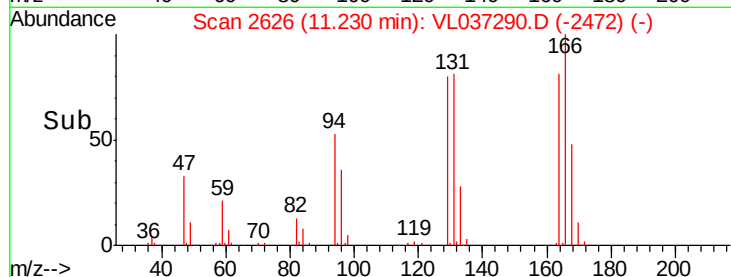


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.099 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037290.D

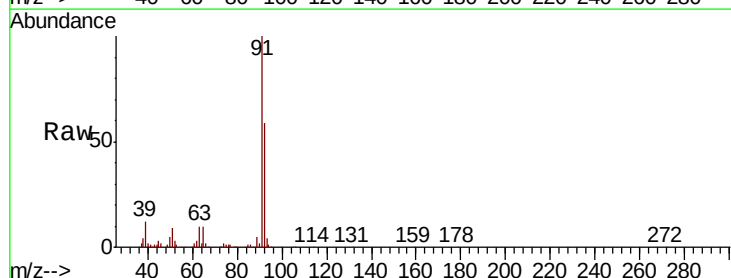
Acq: 30 Jul 2021 18:36

Tgt Ion: 91 Resp: 418616

Ion Ratio Lower Upper

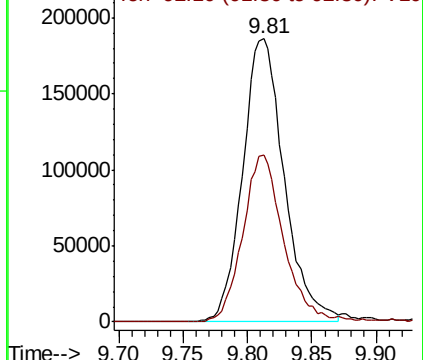
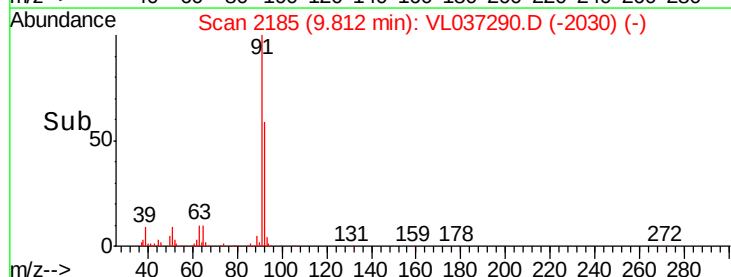
91 100

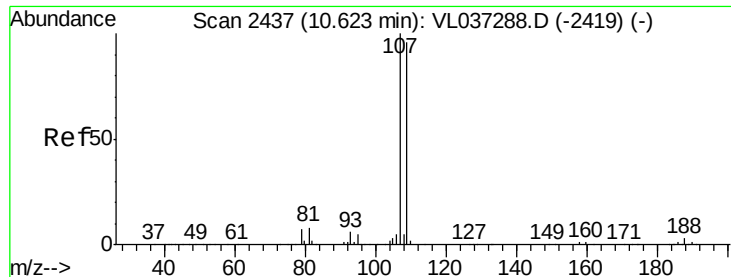
92 58.6 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

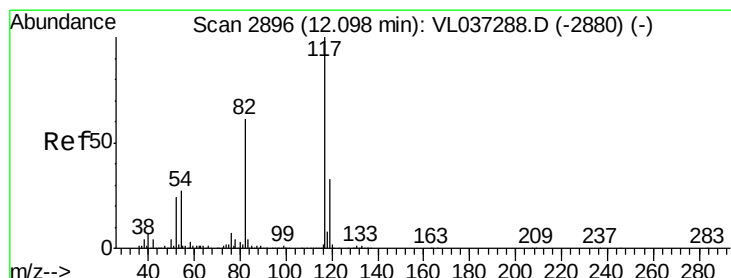
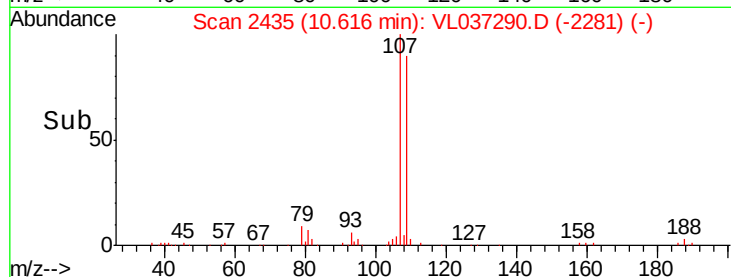
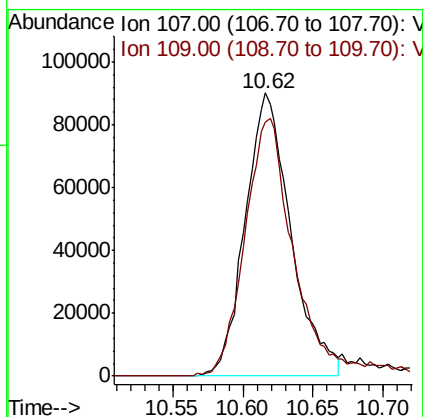
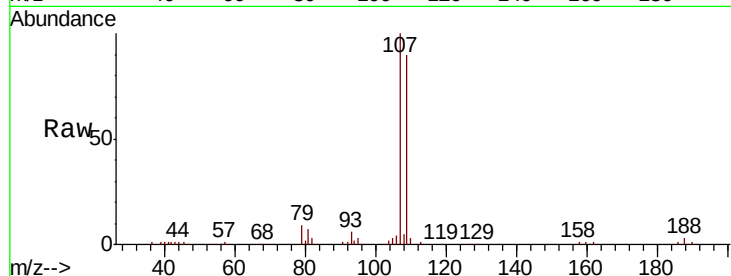




#54
 1,2-Dibromoethane
 Concen: 1.054 ppbv
 RT: 10.62 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

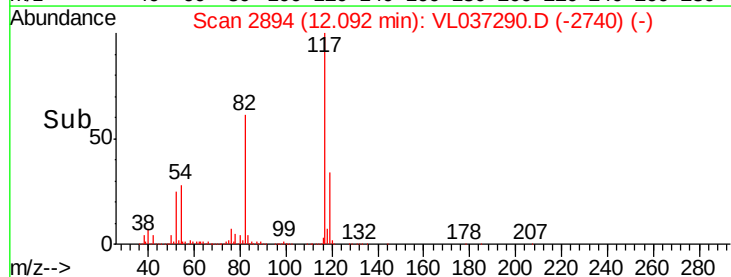
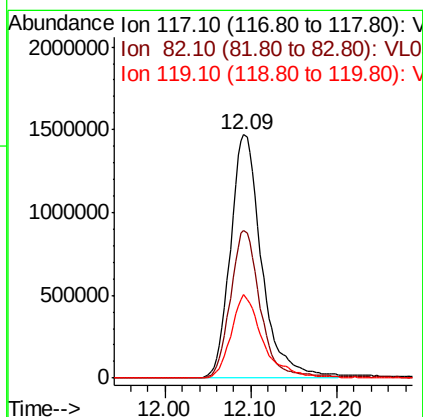
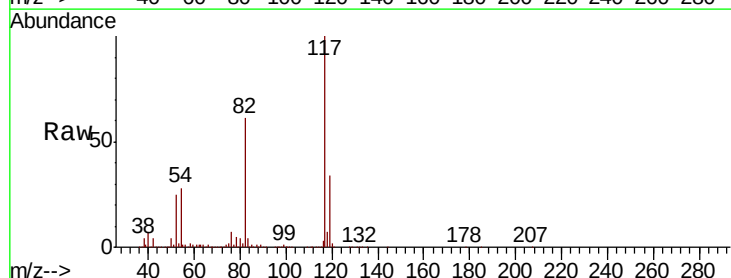
Instrument :
 MSVOA_L
 ClientSampled :

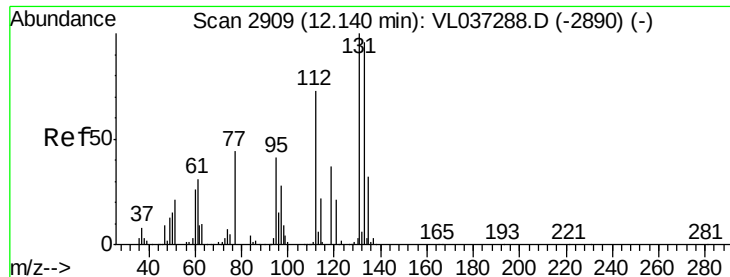
Tot Ion:107 Resp: 204072
 Ion Ratio Lower Upper
 107 100
 109 89.9 77.0 115.4



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion:117 Resp: 3713827
 Ion Ratio Lower Upper
 117 100
 82 59.7 47.2 70.8
 119 35.2 45.8 68.8#





#56

1,1,1,2-Tetrachloroethane

Concen: 1.077 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

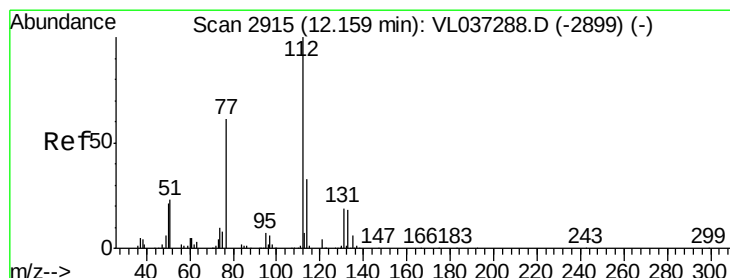
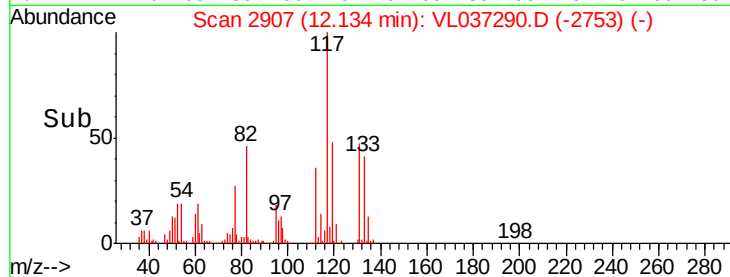
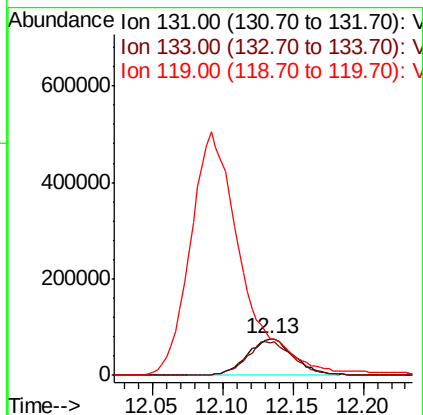
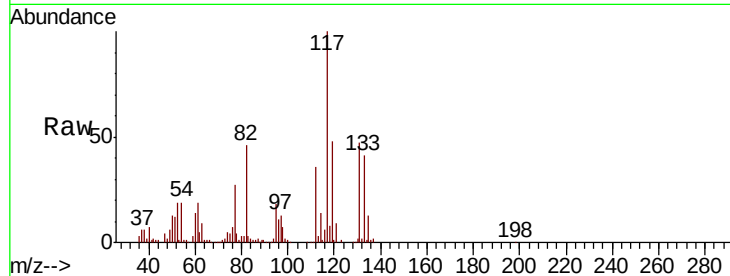
Tot Ion:131 Resp: 173921

Ion Ratio Lower Upper

131 100

133 95.0 77.4 116.2

119 754.6 51.0 76.4#



#57

Chlorobenzene

Concen: 1.111 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

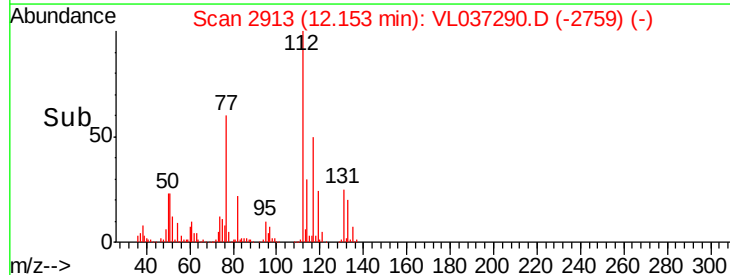
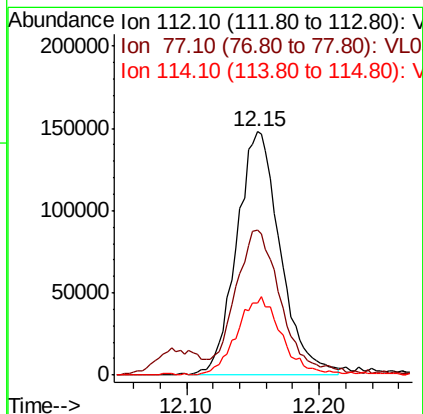
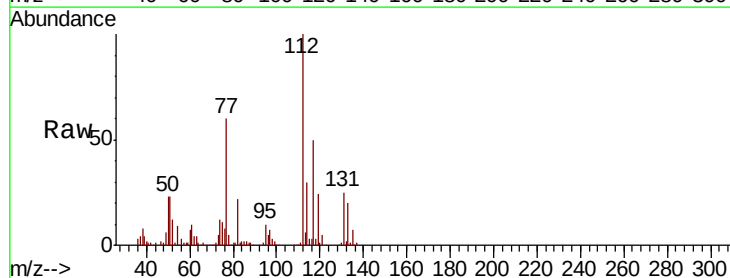
Tgt Ion:112 Resp: 334808

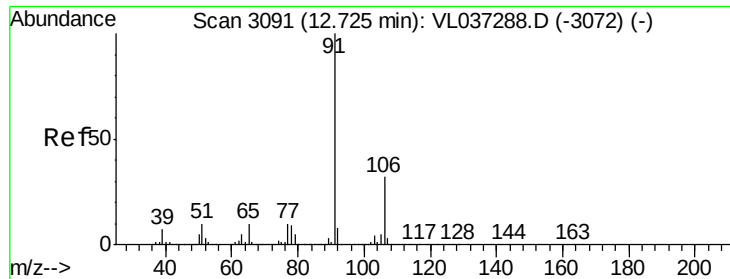
Ion Ratio Lower Upper

112 100

77 57.6 49.0 73.6

114 30.0 29.3 35.9





#58

Ethyl Benzene

Concen: 1.071 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

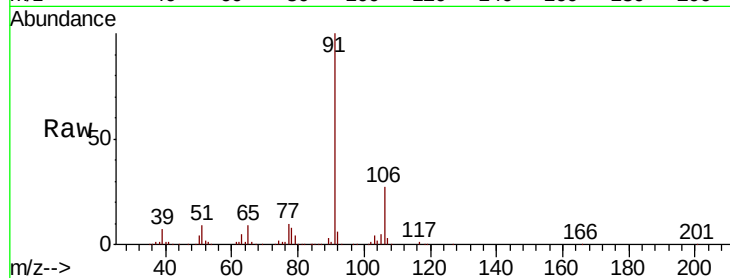
ClientSampleId :

Tot Ion: 91 Resp: 545265

Ion Ratio Lower Upper

91 100

106 26.9 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

250000

200000

150000

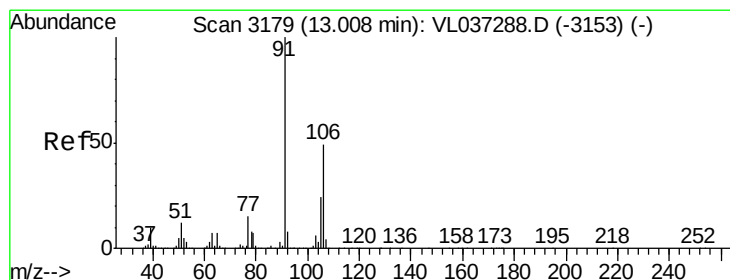
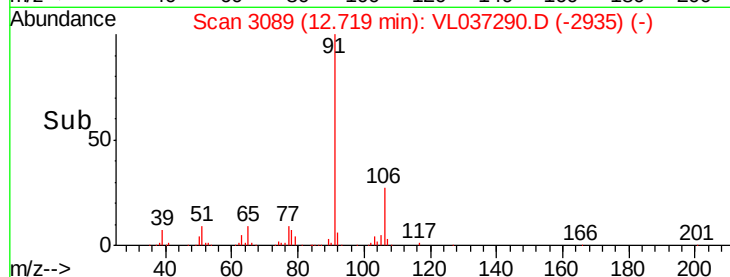
100000

50000

0

12.65 12.70 12.75 12.80

Time-->



#59

m/p-Xylene

Concen: 1.035 ppbv

RT: 13.01 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VL037290.D

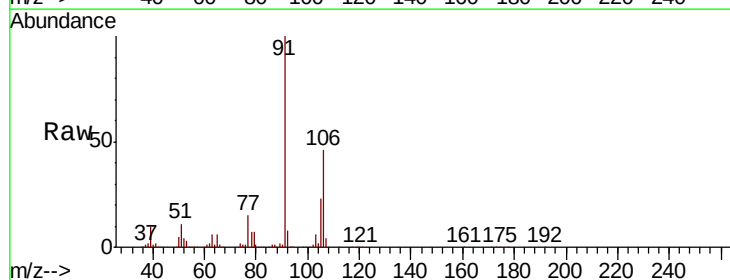
Acq: 30 Jul 2021 18:36

Tgt Ion: 91 Resp: 446488

Ion Ratio Lower Upper

91 100

106 97.4 37.3 55.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

250000

200000

150000

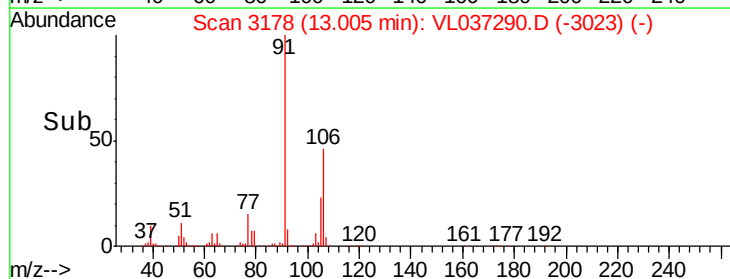
100000

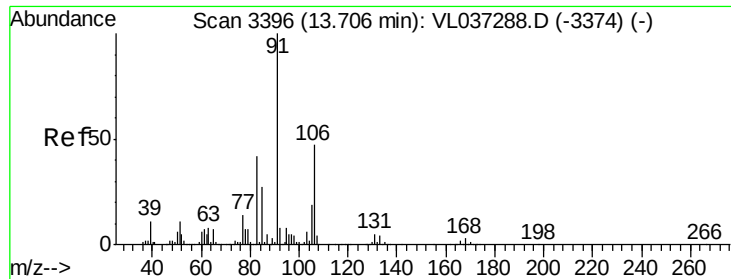
50000

0

12.95 13.00 13.05 13.10

Time-->

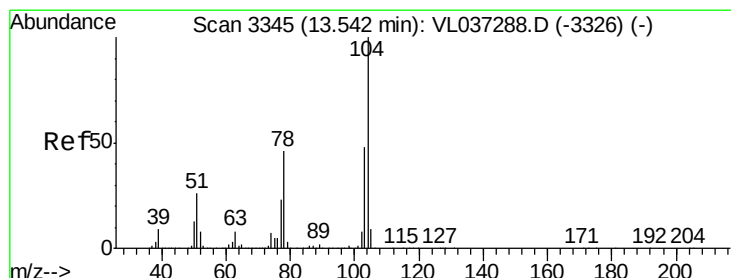
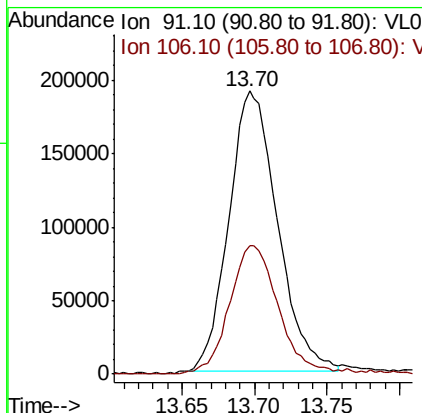
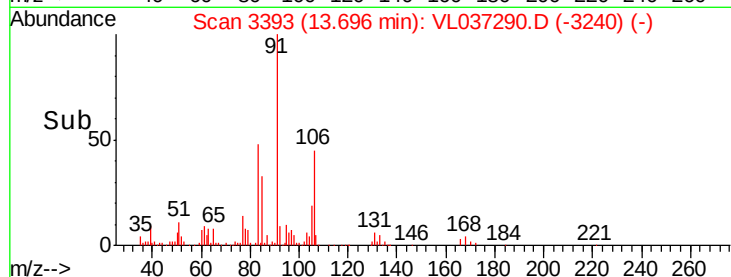
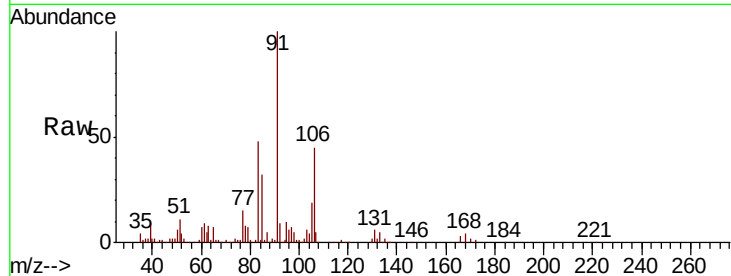




#60
o-Xylene
Concen: 1.083 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

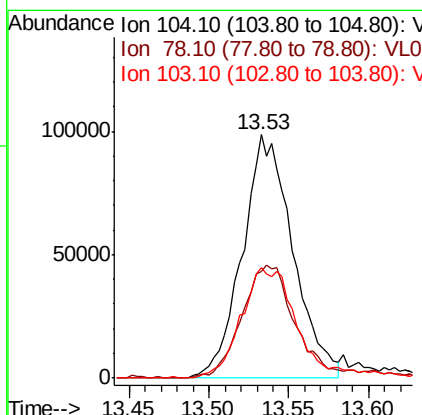
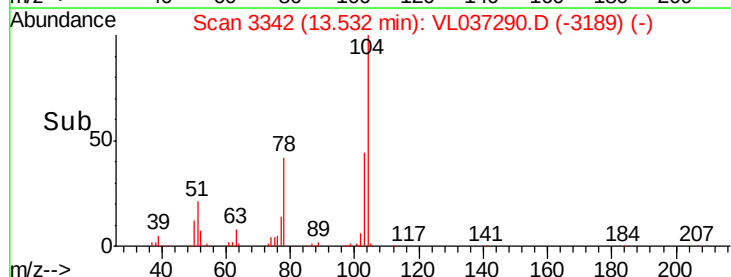
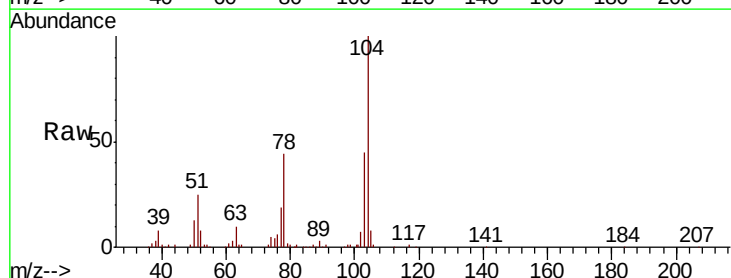
Instrument :
MSVOA_L
ClientSampleId :

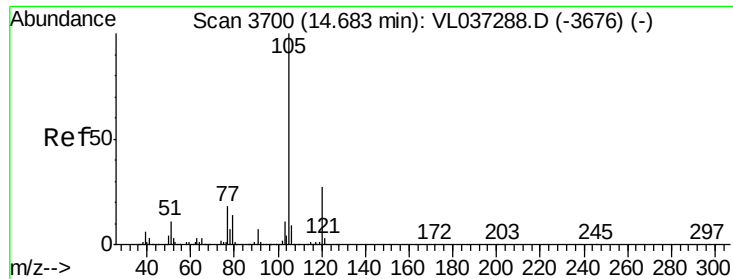
Tot Ion: 91 Resp: 445423
Ion Ratio Lower Upper
91 100
106 47.2 23.4 70.0



#61
Styrene
Concen: 1.011 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion: 104 Resp: 214192
Ion Ratio Lower Upper
104 100
78 50.8 39.0 58.6
103 51.4 38.6 58.0





#62

Isopropylbenzene

Concen: 1.110 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

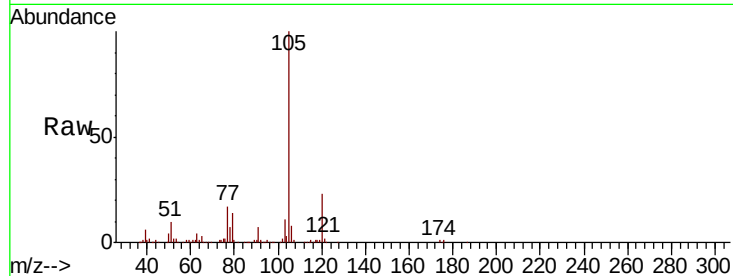
ClientSampleId :

Tot Ion:105 Resp: 651101

Ion Ratio Lower Upper

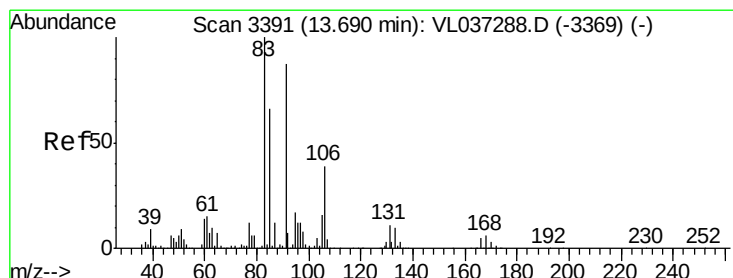
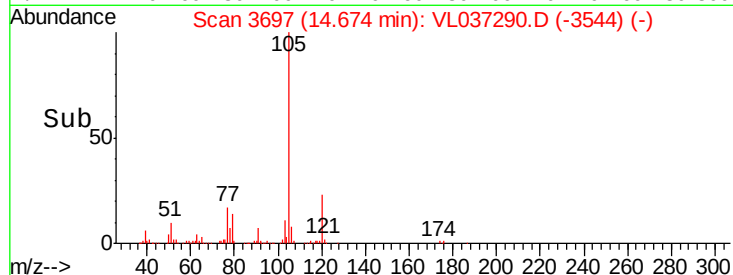
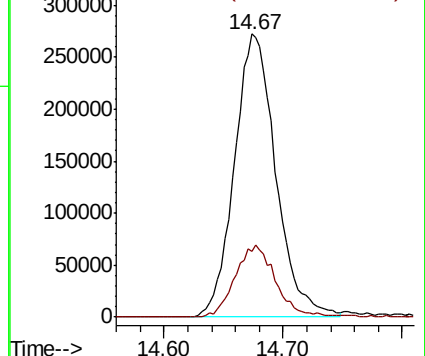
105 100

120 25.4 21.8 32.6



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: 0.537 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

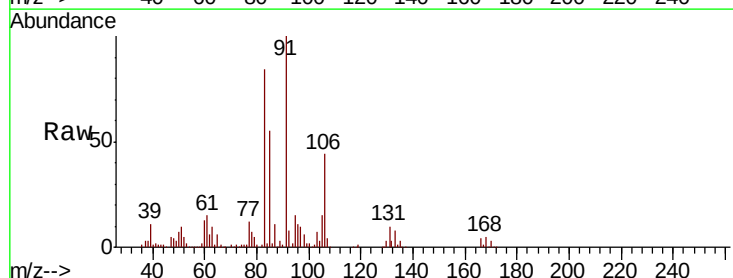
Tgt Ion: 83 Resp: 148220

Ion Ratio Lower Upper

83 100

131 23.1 5.5 16.5#

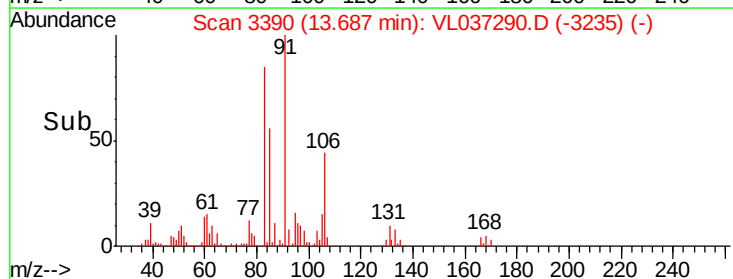
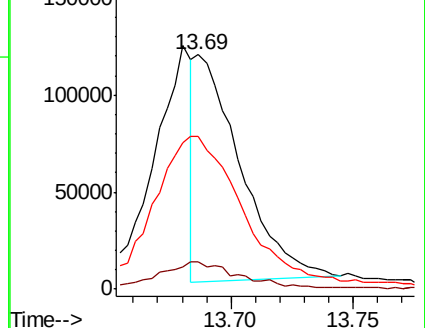
85 143.2 33.6 100.8#

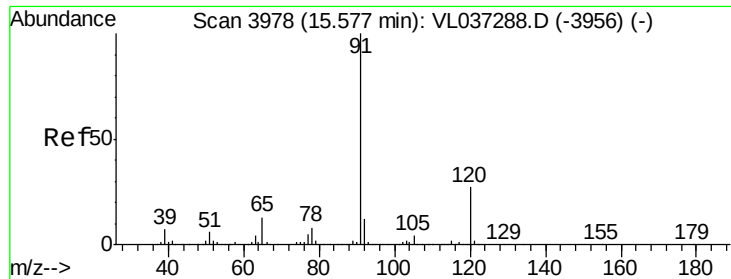


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

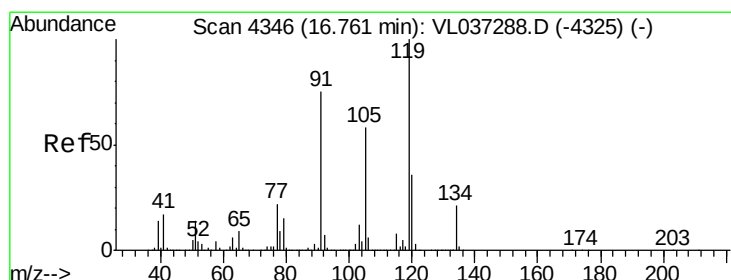
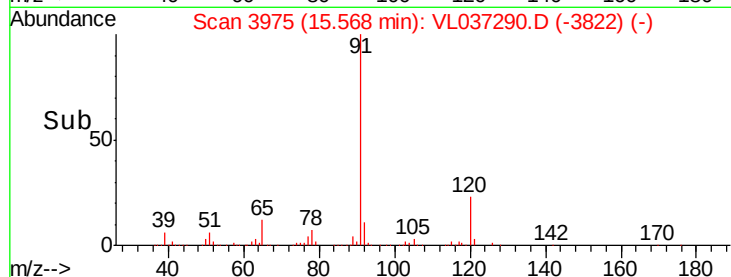
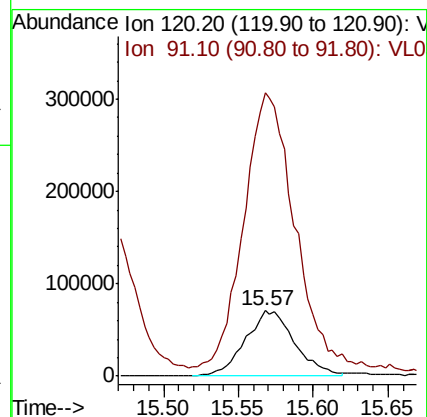
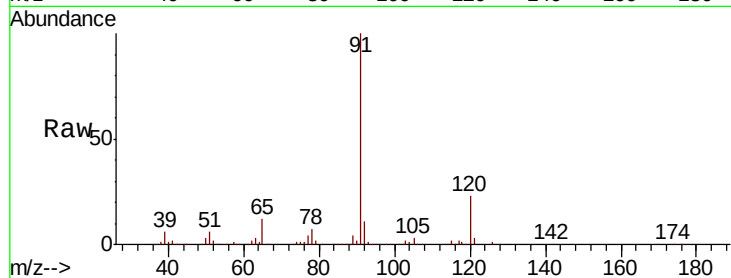




#64
n-propylbenzene
Concen: 1.105 ppbv
RT: 15.57 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

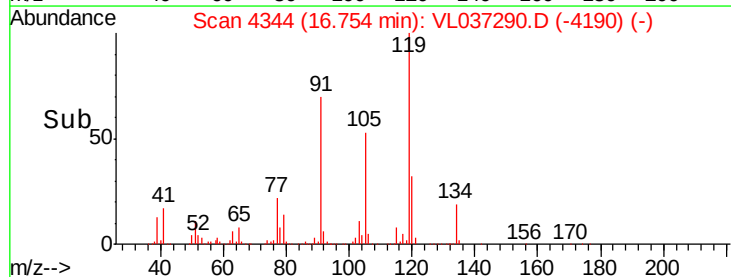
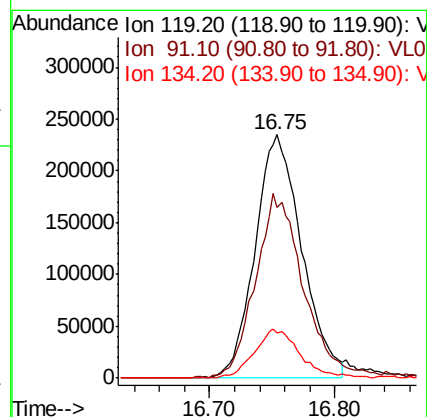
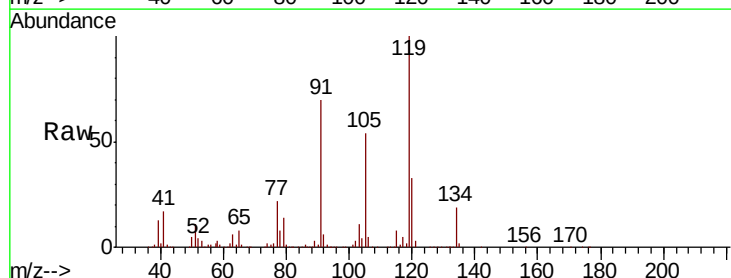
Instrument :
MSVOA_L
ClientSampleId :

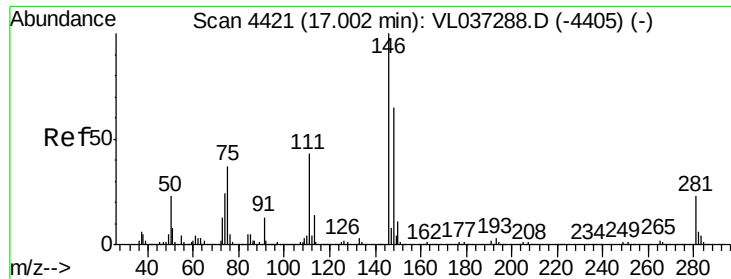
Tot Ion:120 Resp: 162607
Ion Ratio Lower Upper
120 100
91 479.1 347.0 520.4



#65
tert-Butylbenzene
Concen: 1.163 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion:119 Resp: 608778
Ion Ratio Lower Upper
119 100
91 78.8 60.5 90.7
134 20.1 16.2 24.4

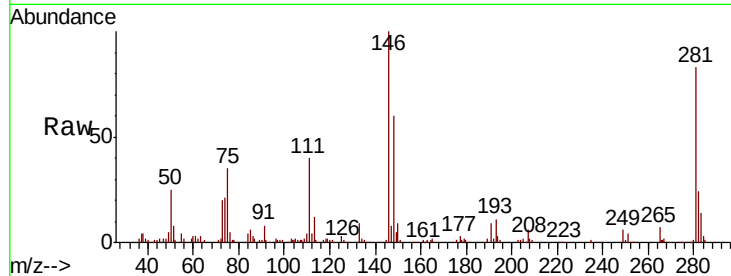




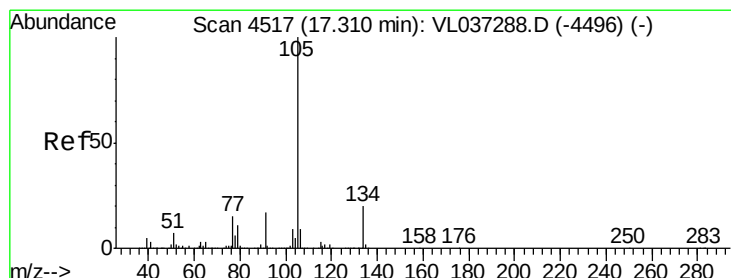
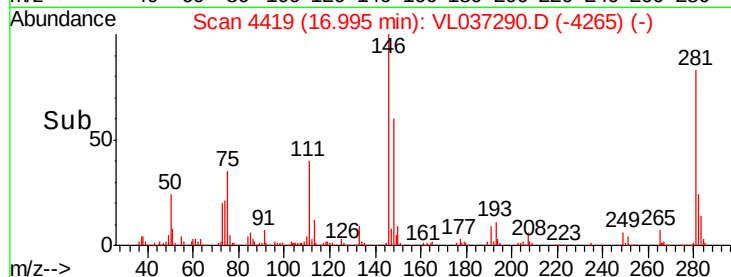
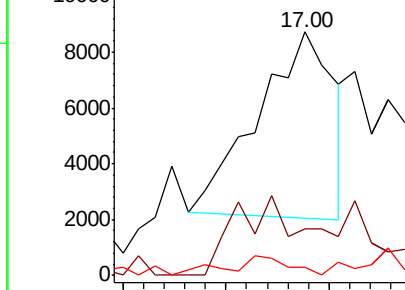
#66
Benzyl Chloride
Concen: 0.282 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 6817
Ion Ratio Lower Upper
91 100
126 77.7 15.4 23.0#
128 18.6 5.0 7.4#

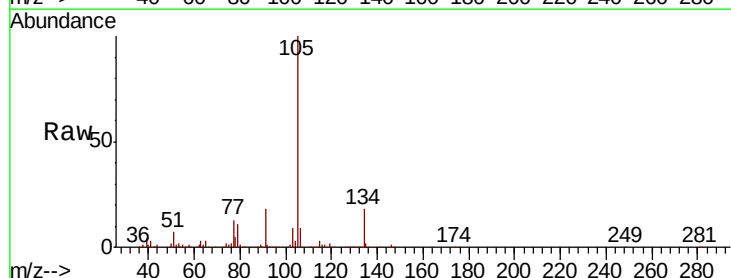


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

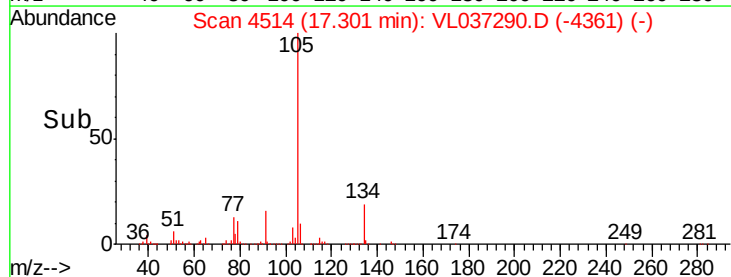
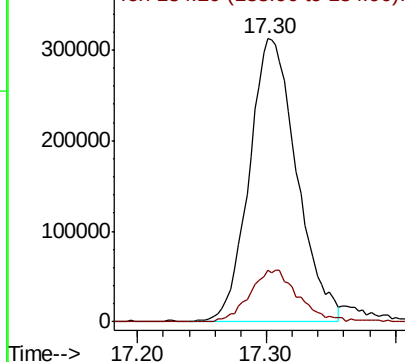


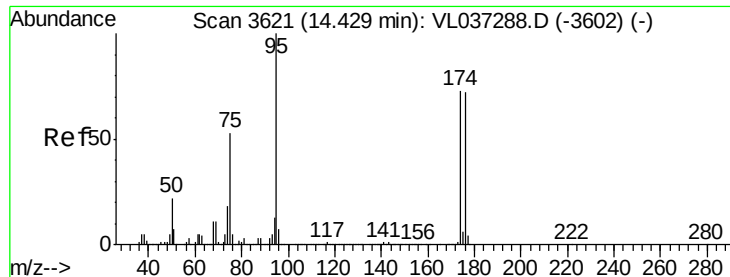
#67
sec-Butylbenzene
Concen: 1.142 ppbv
RT: 17.30 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion:105 Resp: 797869
Ion Ratio Lower Upper
105 100
134 18.7 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

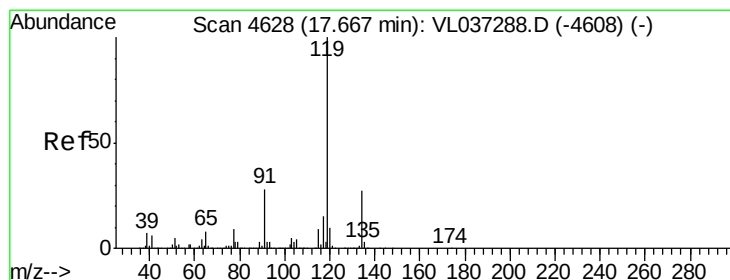
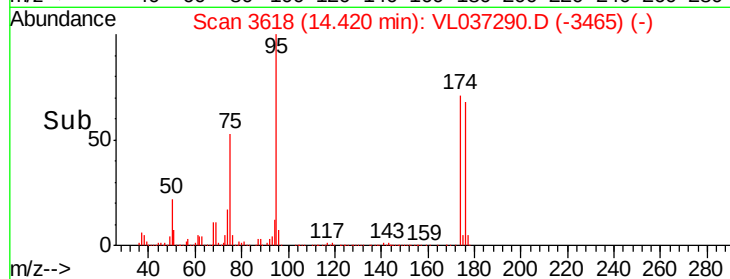
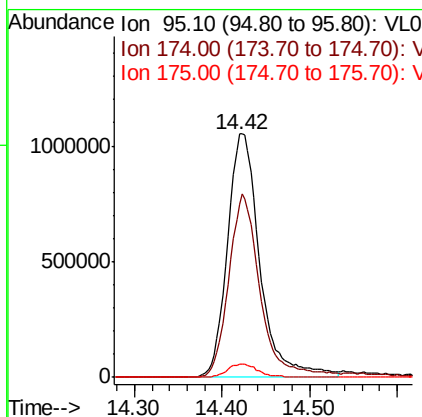
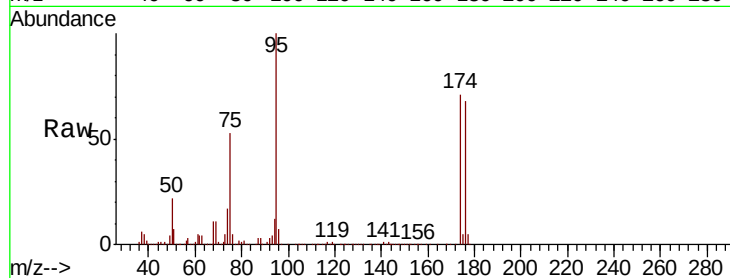




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.770 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

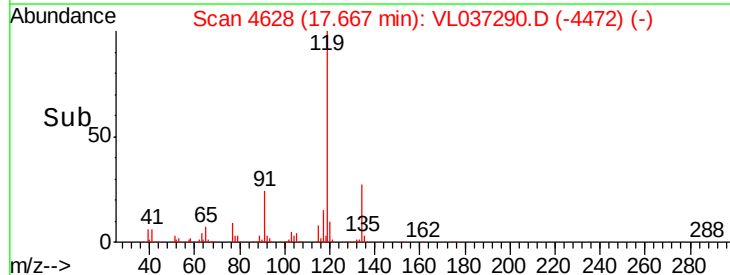
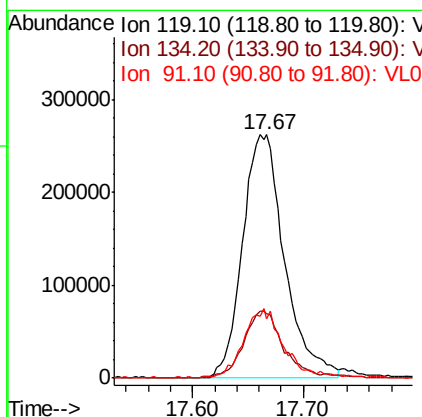
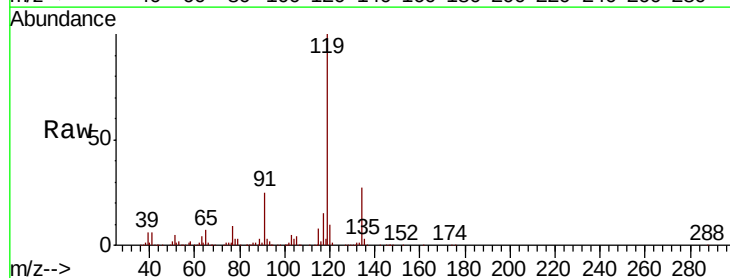
Instrument :
 MSVOA_L
 ClientSampled :

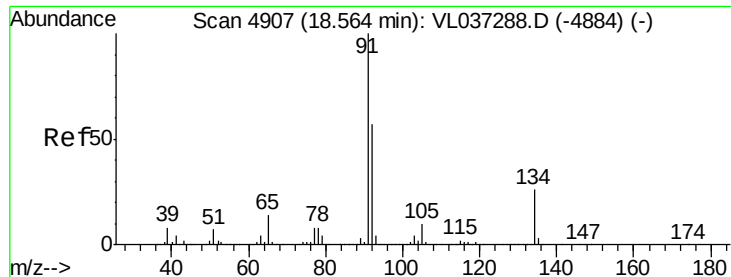
Tot Ion: 95 Resp: 2721033
 Ion Ratio Lower Upper
 95 100
 174 75.1 59.8 89.6
 175 5.5 4.5 6.7



#69
 p-Isopropyltoluene
 Concen: 1.165 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion: 119 Resp: 687776
 Ion Ratio Lower Upper
 119 100
 134 27.0 21.1 31.7
 91 27.3 21.8 32.6





#70

n-Butylbenzene

Concen: 1.145 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

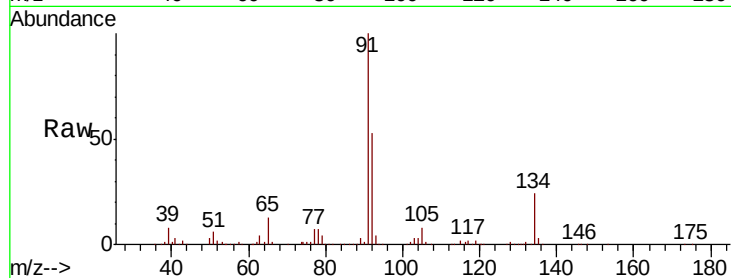
Tot Ion: 91 Resp: 625636

Ion Ratio Lower Upper

91 100

92 53.7 43.6 65.4

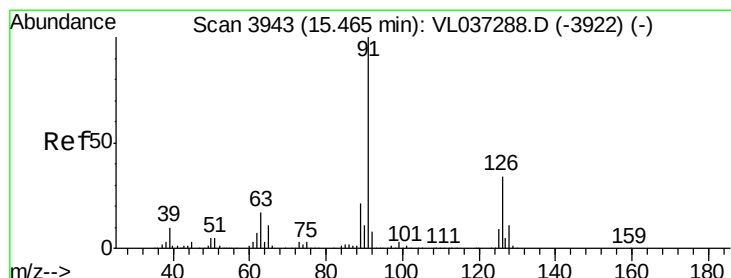
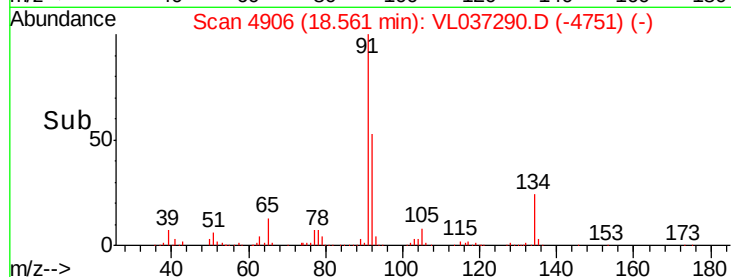
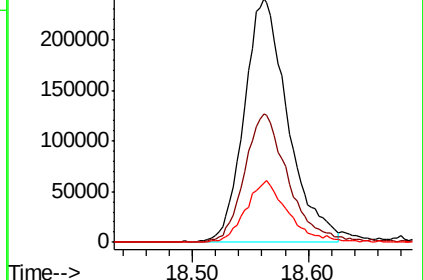
134 24.8 20.3 30.5



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: 1.101 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL037290.D

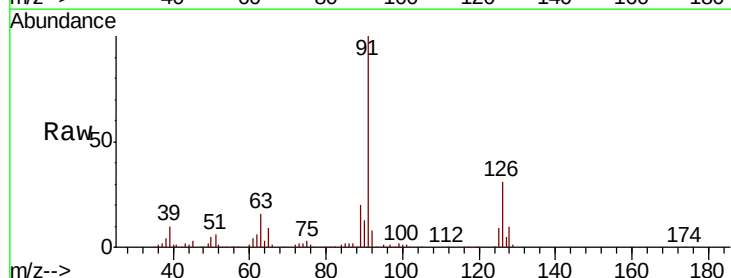
Acq: 30 Jul 2021 18:36

Tgt Ion: 91 Resp: 452140

Ion Ratio Lower Upper

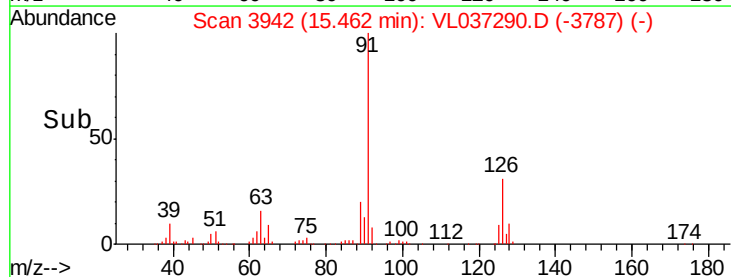
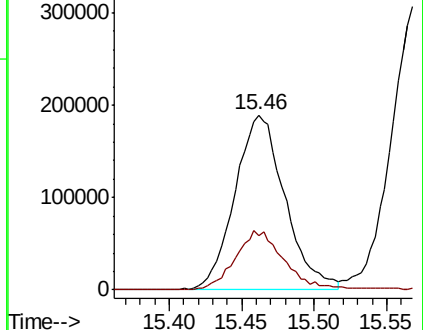
91 100

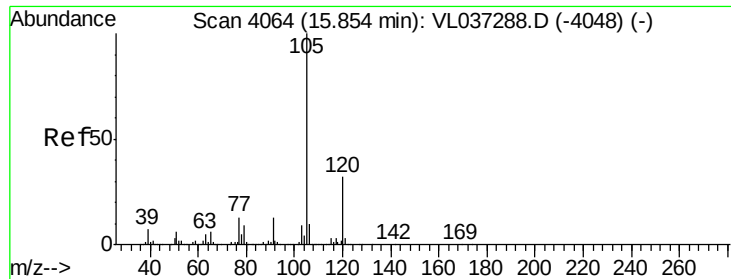
126 34.0 13.8 55.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 1.128 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 533946

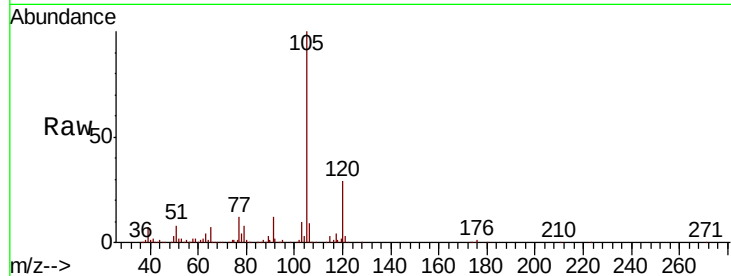
Ion Ratio Lower Upper

105 100

120 30.8 24.3 36.5

91 12.5 9.6 14.4

77 13.2 10.3 15.5

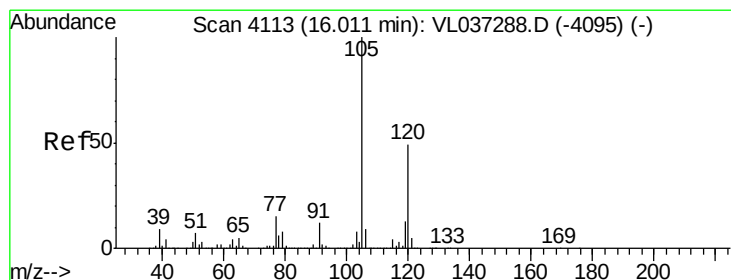
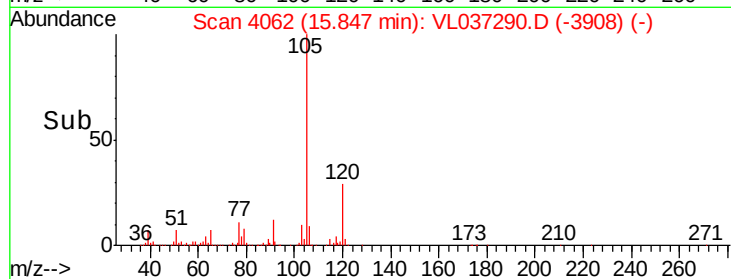
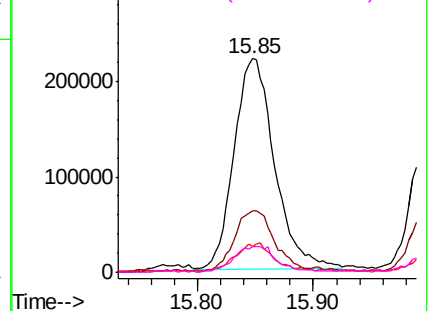


Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.087 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL037290.D

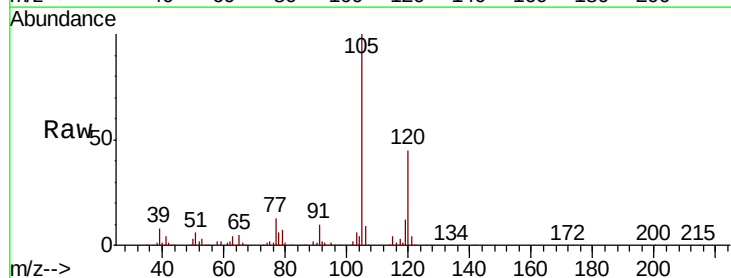
Acq: 30 Jul 2021 18:36

Tgt Ion:105 Resp: 495089

Ion Ratio Lower Upper

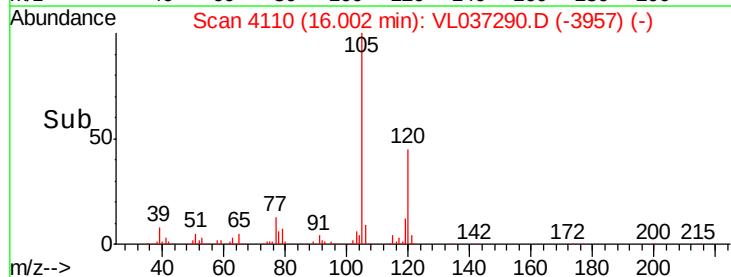
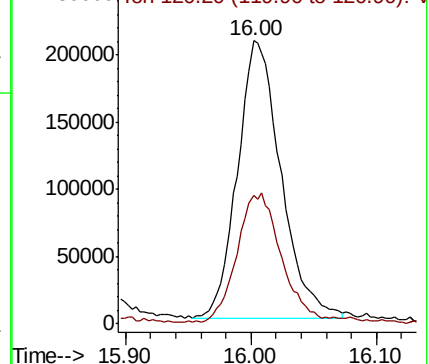
105 100

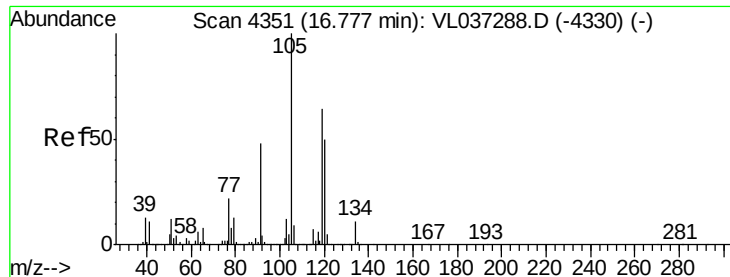
120 45.3 39.0 58.6



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: 1.215 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 570005

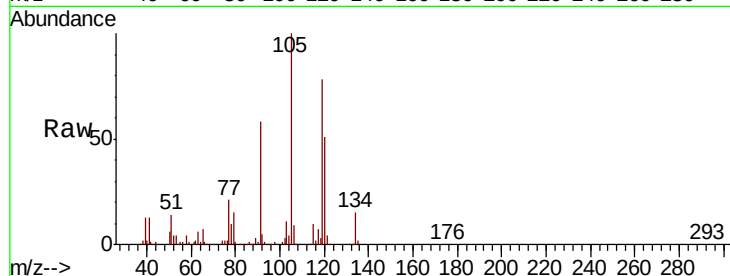
Ion Ratio Lower Upper

105 100

120 49.9 40.2 60.4

91 56.1 39.0 58.6

77 20.3 17.4 26.0

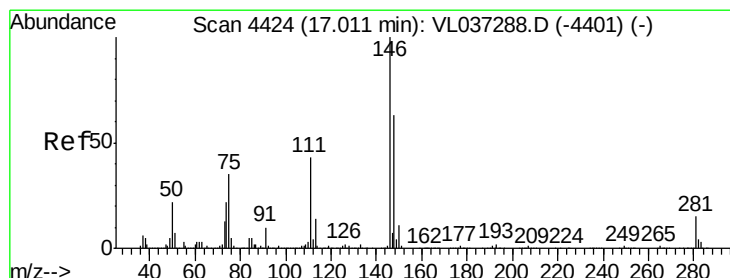
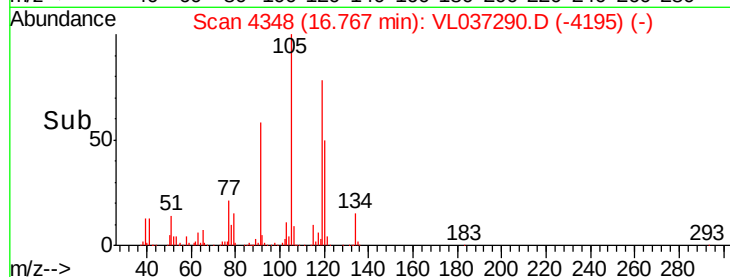
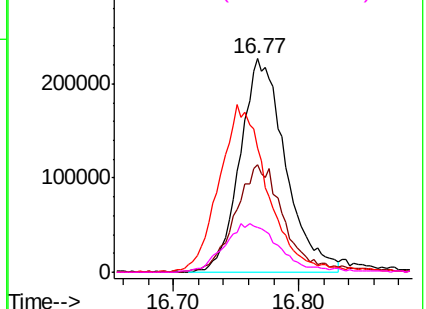


Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.131 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

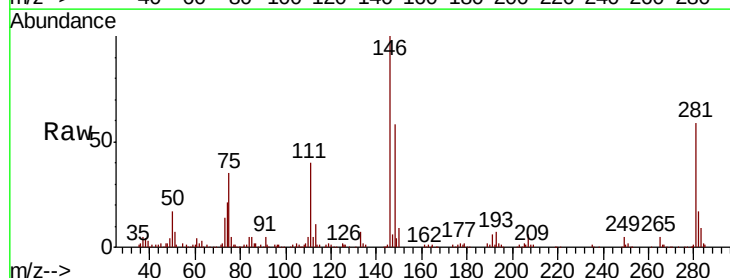
Tgt Ion:146 Resp: 325260

Ion Ratio Lower Upper

146 100

111 46.0 21.7 65.1

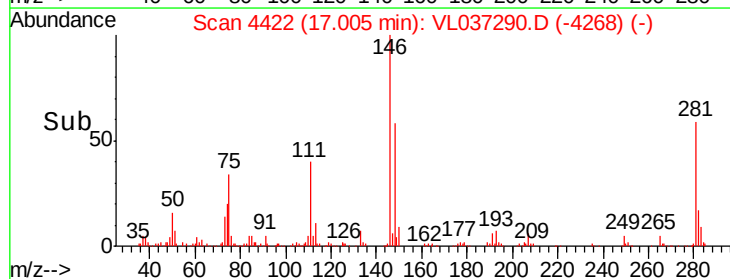
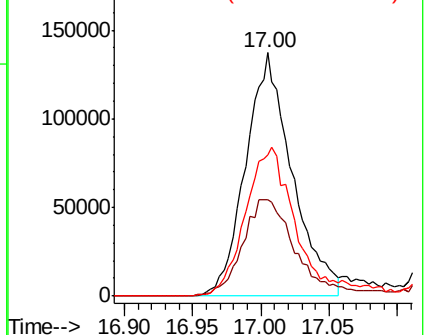
148 68.0 32.3 96.9

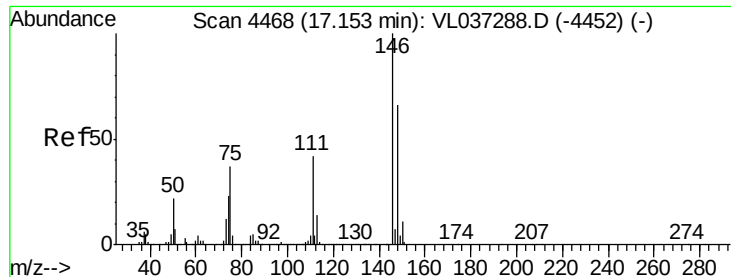


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

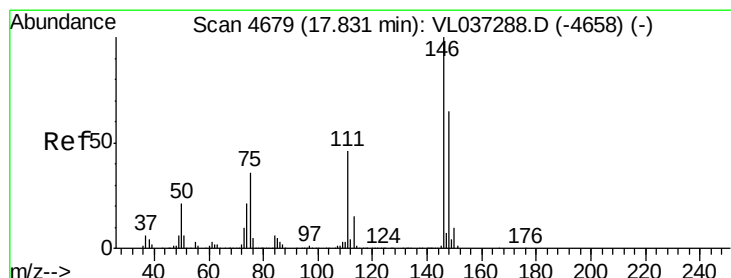
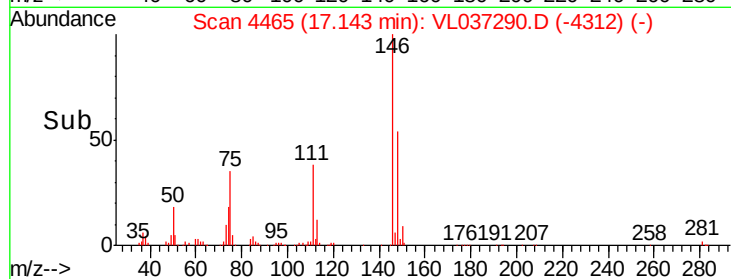
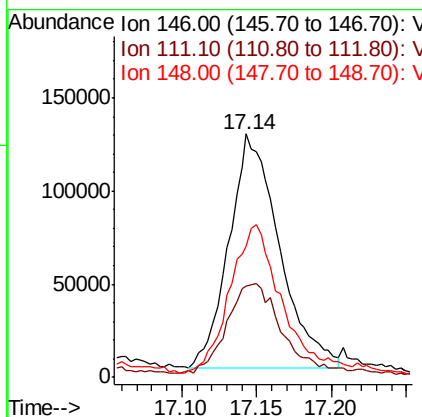
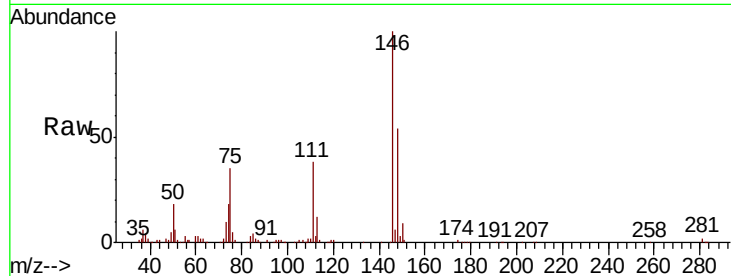




#76
 1,4-Dichlorobenzene
 Concen: 1.020 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

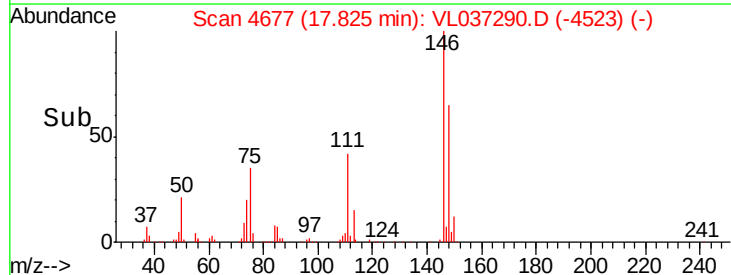
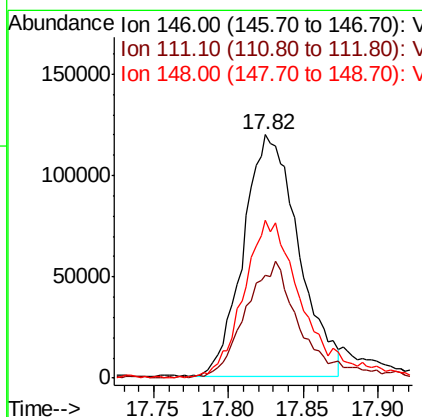
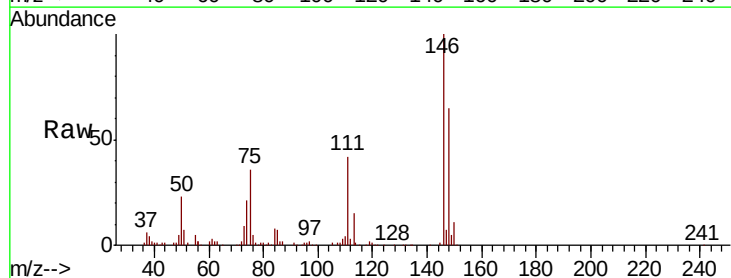
Instrument :
 MSVOA_L
 ClientSampleId :

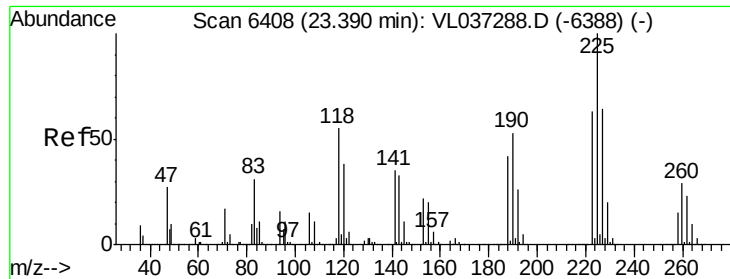
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	21.2	63.6
148	72.5	32.9	98.6



#77
 1,2-Dichlorobenzene
 Concen: 1.096 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.01 min
 Lab File: VL037290.D
 Acq: 30 Jul 2021 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.8	22.6	67.7
148	70.9	32.5	97.4

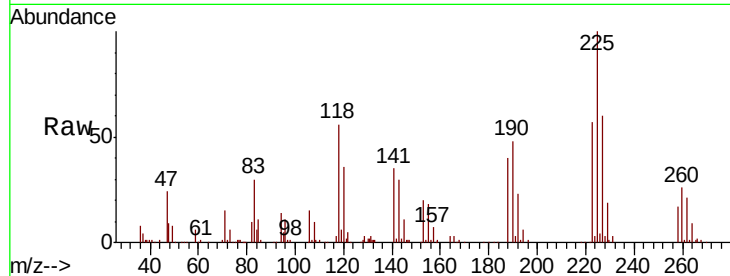




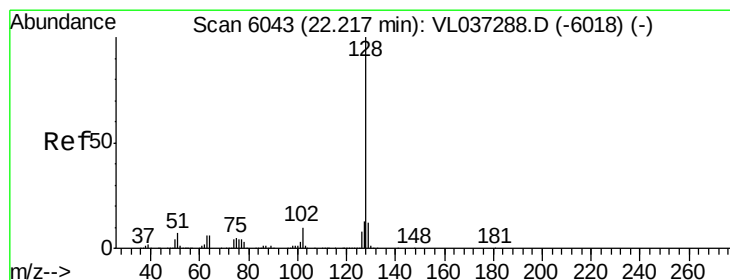
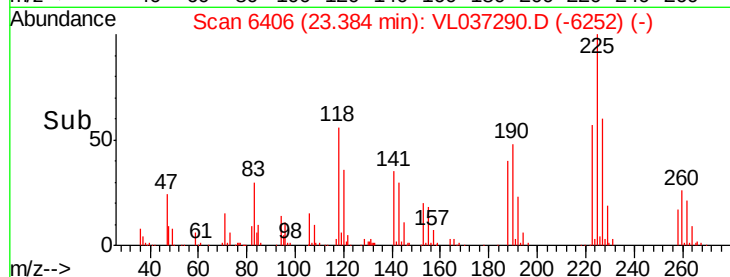
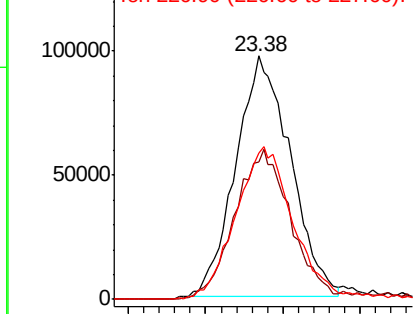
#78
Hexachloro-1,3-Butadiene
Concen: 1.014 ppbv
RT: 23.38 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:225 Resp: 237704
Ion Ratio Lower Upper
225 100
223 66.3 51.7 77.5
227 67.8 51.8 77.8

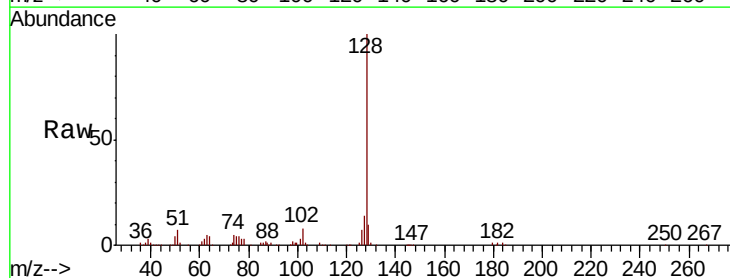


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

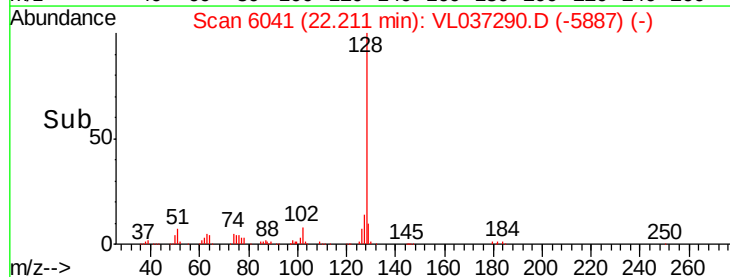
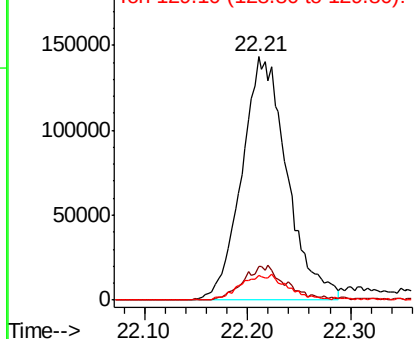


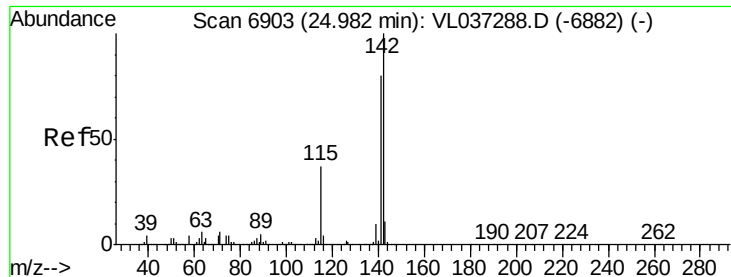
#79
Naphthalene
Concen: 1.155 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. -0.01 min
Lab File: VL037290.D
Acq: 30 Jul 2021 18:36

Tgt Ion:128 Resp: 436525
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 10.3 9.4 14.2



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: 1.085 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

Instrument :

MSVOA_L

ClientSampleId :

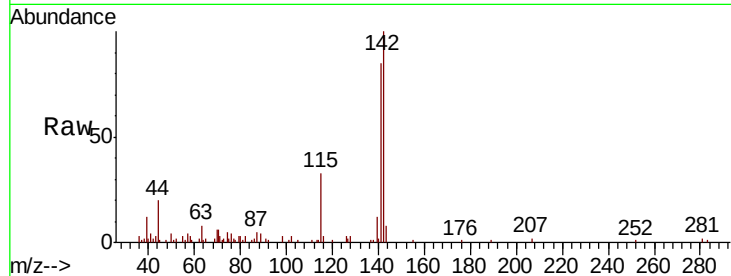
Tot Ion:142 Resp: 107035

Ion Ratio Lower Upper

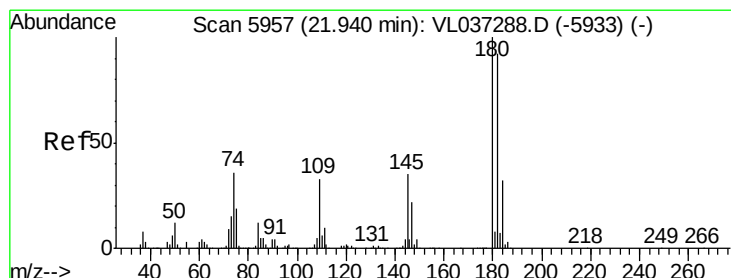
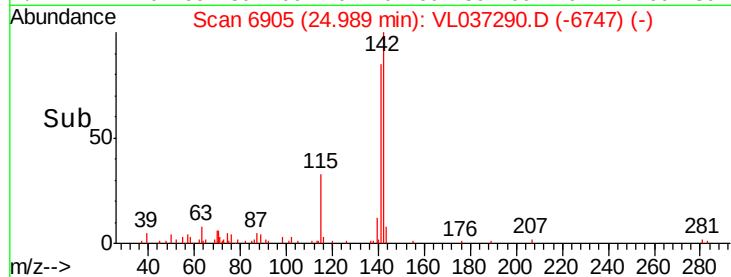
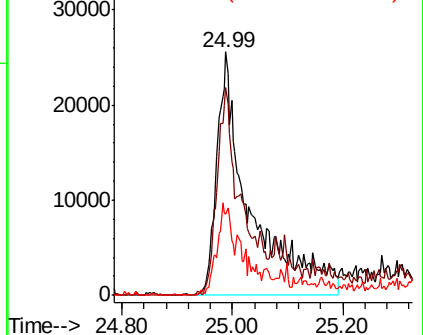
142 100

141 61.6 67.0 100.6#

115 32.3 28.6 42.8



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



#81

1,2,4-Trichlorobenzene

Concen: 0.702 ppbv

RT: 21.94 min Scan# 5956

Delta R.T. -0.00 min

Lab File: VL037290.D

Acq: 30 Jul 2021 18:36

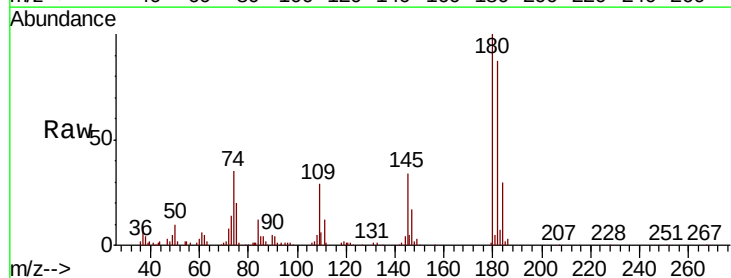
Tgt Ion:180 Resp: 155506

Ion Ratio Lower Upper

180 100

182 169.5 80.8 121.2#

184 51.5 25.4 38.2#



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

