

Data File : VL037167.D

Acq On : 16 Jun 2021 11:19

Operator : SY/AP

Sample : VSTDIC0.5

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Jun 16 11:51:36 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 11:33:05 2021

QLast Update : Wed Jun 16 11:33:05 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1487231	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4412580	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4007988	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2993828	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	164165	0.693	ppbv	96
3) Chlorodifluoromethane	2.99	51	158305	0.567	ppbv	99
4) Chloromethane	3.14	50	52391	0.551	ppbv	97
5) Vinyl Chloride	3.26	62	52484	0.571	ppbv	97
6) Bromomethane	3.48	94	18127	0.310	ppbv	90
7) Chloroethane	3.56	64	9932	0.277	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	150018	0.593	ppbv	99
9) Propene	3.01	41	47546	0.517	ppbv	86
10) Heptane	8.13	43	112271	0.512	ppbv	97
11) Trichlorofluoromethane	3.95	101	150471	0.560	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	105717	0.573	ppbv	100
13) Ethanol	3.63	45	3676	0.289	ppbv #	7
14) Bromoethene	3.74	108	40850	0.512	ppbv #	94
15) Acetone	3.87	43	40181	0.226	ppbv #	45
16) 1,3-Butadiene	3.33	39	40965	0.426	ppbv #	77
18) 1,1-Dichloroethene	4.29	96	46128	0.555	ppbv	90
20) Methylene Chloride	4.35	84	61013	0.787	ppbv	96
21) Allyl Chloride	4.42	41	54543	0.459	ppbv #	84
22) trans-1,2-Dichloroethene	4.89	96	34340	0.424	ppbv	83
23) Vinyl Acetate	5.09	43	73721	0.315	ppbv #	96
24) 1,1-Dichloroethane	5.01	63	102716	0.548	ppbv	99
25) Ethyl Acetate	5.69	43	181861	0.522	ppbv #	98
26) Hexane	5.69	57	101671	0.586	ppbv	94
27) Carbon Disulfide	4.56	76	69491	0.395	ppbv #	88
28) Methyl tert-Butyl Ether	5.05	73	52168	0.240	ppbv #	53
29) Chloroform	5.75	83	145410	0.519	ppbv	97
30) Cyclohexane	7.14	84	72591	0.480	ppbv	93
31) cis-1,2-Dichloroethene	5.56	61	83191	0.498	ppbv	90
32) 1,1,1-Trichloroethane	6.52	97	138531	0.539	ppbv	94
34) 2-Butanone	5.27	43	76762	0.463	ppbv #	87
35) Carbon Tetrachloride	7.02	117	143077	0.527	ppbv	93
36) Benzene	6.89	78	188086	0.537	ppbv	95
37) 1,2-Dichloroethane	6.31	62	103366	0.508	ppbv	97
38) Trichloroethene	7.84	130	73519	0.486	ppbv	95
39) 1,2-Dichloropropane	7.62	63	60237	0.451	ppbv	87
41) Tetrahydrofuran	6.08	42	10387	0.129	ppbv #	35
42) Bromodichloromethane	7.79	83	60518	0.216	ppbv	96
43) Methyl Methacrylate	8.03	69	51291	0.427	ppbv	85
44) 2,2,4-Trimethylpentane	7.88	57	311457	0.531	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	10847	0.100	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	24855	0.172	ppbv	93

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Sample : VSTDIC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

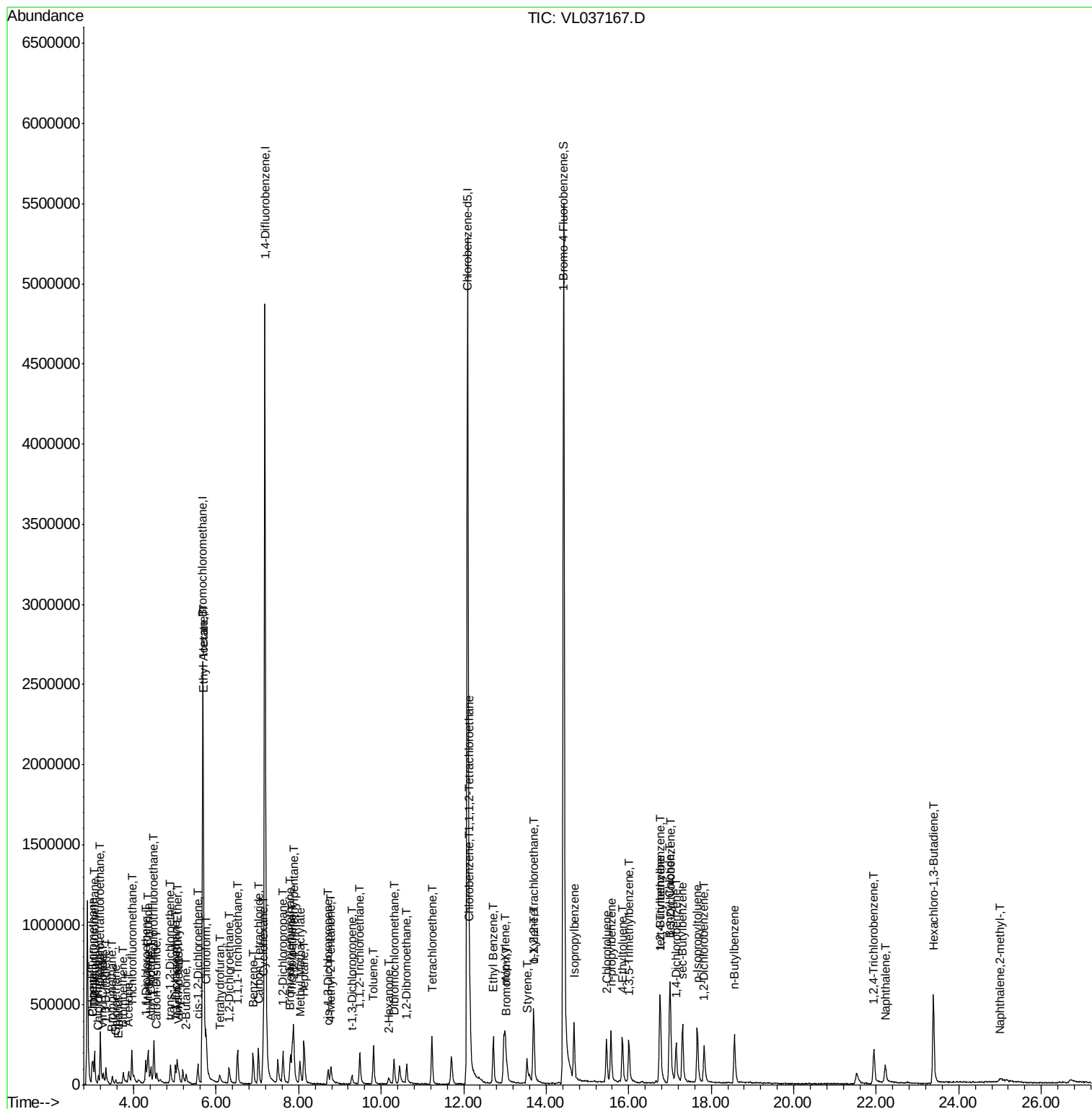
Quant Time: Jun 16 11:51:36 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 11:33:05 2021
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration

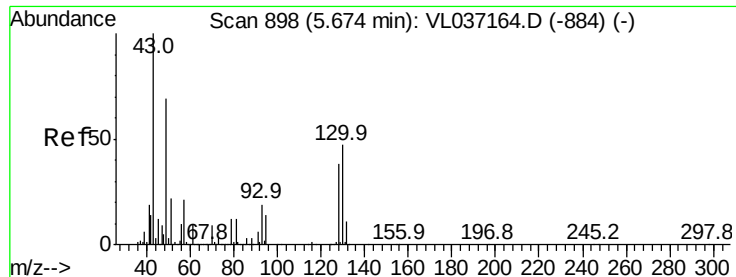
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.48	97	40159	0.265	ppbv	96
48) Dibromochloromethane	10.31	129	99454	0.407	ppbv	92
49) Bromoform	13.05	173	57264	0.300	ppbv #	86
50) 4-Methyl-2-Pentanone	8.78	43	47789	0.196	ppbv #	20
51) 2-Hexanone	10.18	43	35575	0.292	ppbv #	72
52) Tetrachloroethene	11.23	164	52686	0.364	ppbv	94
53) Toluene	9.81	91	216200	0.519	ppbv	99
54) 1,2-Dibromoethane	10.62	107	59658	0.269	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	85397	0.489	ppbv #	1
57) Chlorobenzene	12.15	112	169958	0.529	ppbv #	90
58) Ethyl Benzene	12.72	91	274713	0.506	ppbv	90
59) m/p-Xylene	13.01	91	134772	0.292	ppbv #	30
60) o-Xylene	13.70	91	224863	0.508	ppbv	99
61) Styrene	13.53	104	97641	0.418	ppbv	90
62) Isopropylbenzene	14.68	105	340628	0.539	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	146305	0.508	ppbv	94
64) n-propylbenzene	15.57	120	74840	0.465	ppbv	66
65) tert-Butylbenzene	16.75	119	279804	0.489	ppbv	90
66) Benzyl Chloride	16.99	91	3042	0.122	ppbv #	1
67) sec-Butylbenzene	17.31	105	393606	0.518	ppbv	98
69) p-Isopropyltoluene	17.66	119	305714	0.481	ppbv	98
70) n-Butylbenzene	18.56	91	147855	0.254	ppbv #	46
71) 2-Chlorotoluene	15.46	91	131667	0.292	ppbv #	61
72) 4-Ethyltoluene	15.85	105	246776	0.480	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	120614	0.247	ppbv	87
74) 1,2,4-Trimethylbenzene	16.77	105	126205	0.254	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	87655	0.287	ppbv #	35
76) 1,4-Dichlorobenzene	17.14	146	58660	0.193	ppbv #	22
77) 1,2-Dichlorobenzene	17.83	146	143032	0.474	ppbv	95
78) Hexachloro-1,3-Butadiene	23.38	225	75077	0.351	ppbv #	18
79) Naphthalene	22.22	128	141306	0.473	ppbv	96
80) Naphthalene,2-methyl-	25.01	142	11995	0.166	ppbv #	76
81) 1,2,4-Trichlorobenzene	21.94	180	103674	0.545	ppbv	95

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

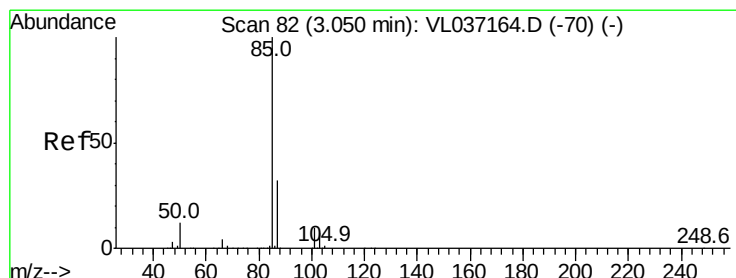
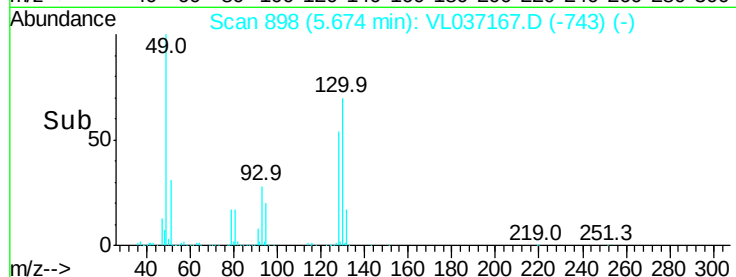
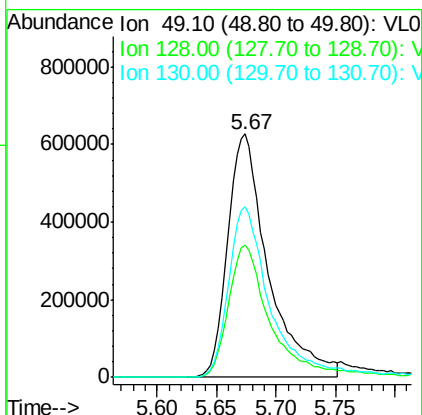
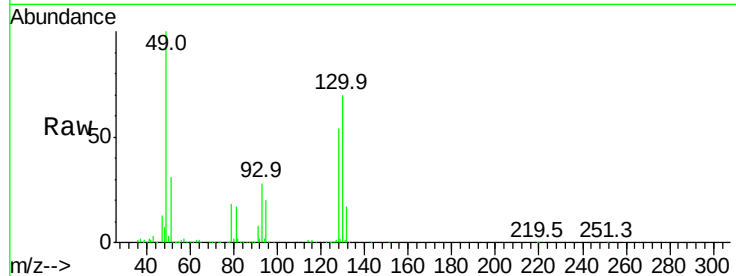




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

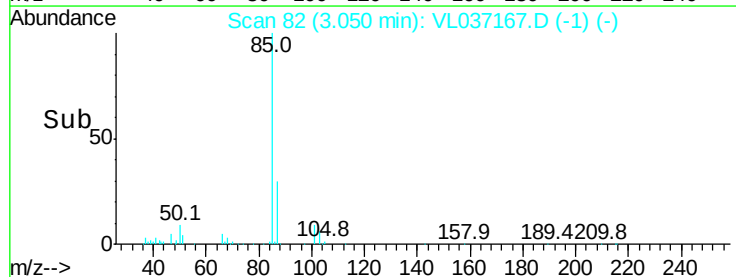
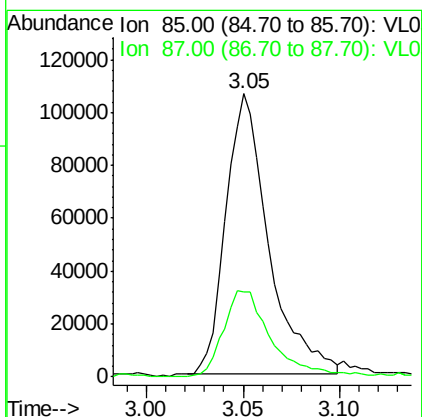
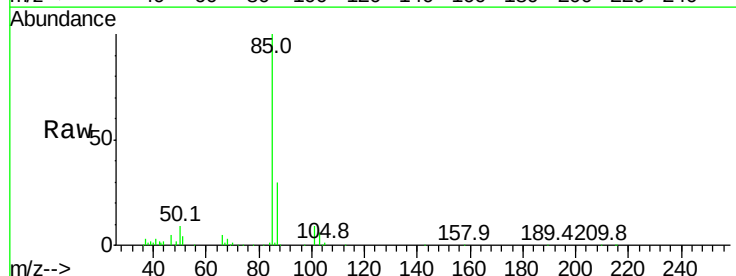
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

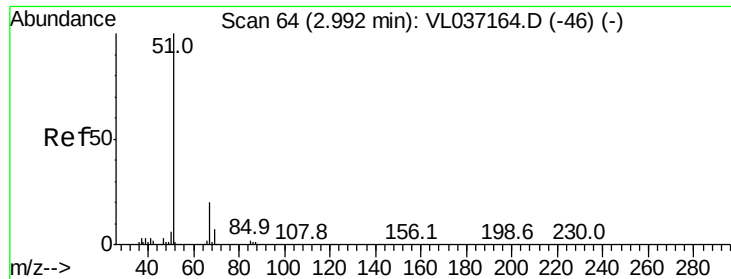
Tgt Ion: 49 Resp: 1487231
 Ion Ratio Lower Upper
 49 100
 128 58.5 29.3 88.0
 130 73.9 35.9 107.8



#2
 Dichlorodifluoromethane
 Concen: 0.693 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 85 Resp: 164165
 Ion Ratio Lower Upper
 85 100
 87 29.9 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.567 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

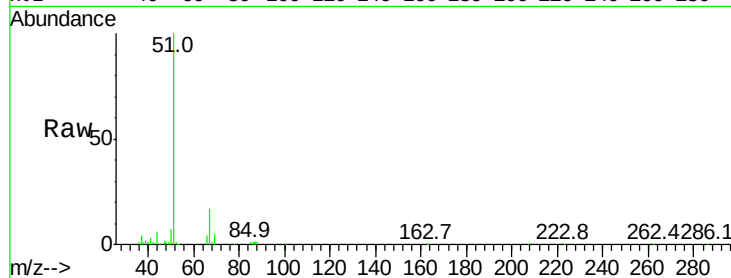
BFB

Tgt Ion: 51 Resp: 158305

Ion Ratio Lower Upper

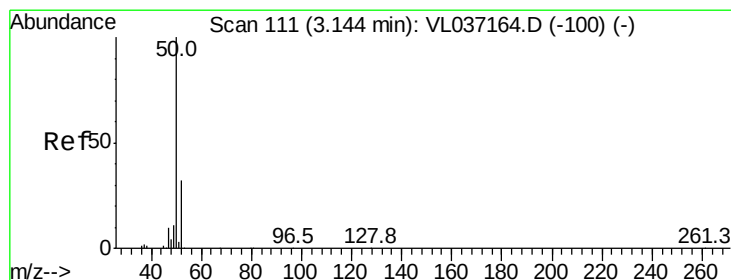
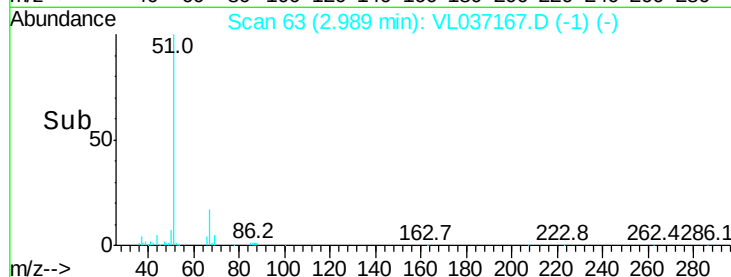
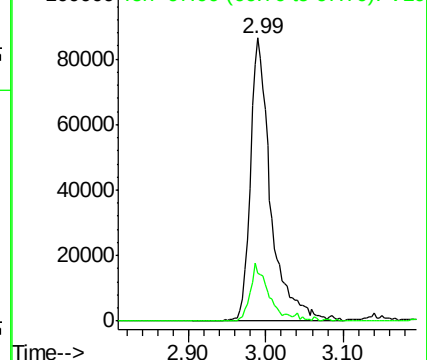
51 100

67 19.0 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.551 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL037167.D

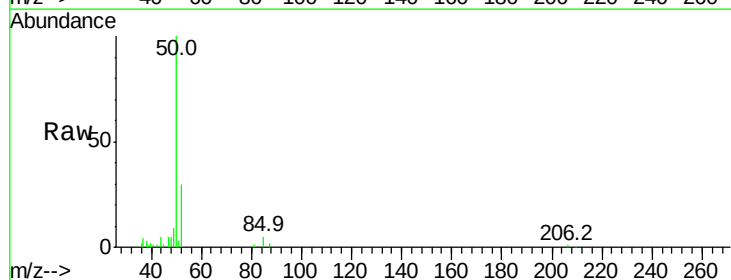
Acq: 16 Jun 2021 11:19

Tgt Ion: 50 Resp: 52391

Ion Ratio Lower Upper

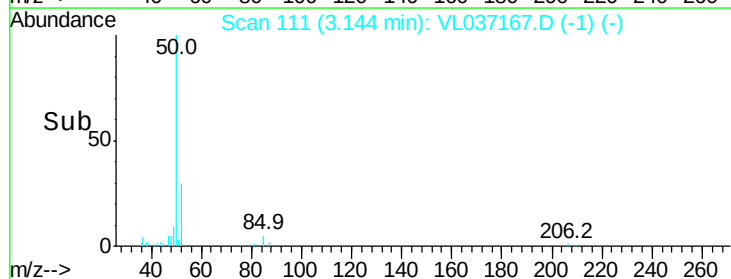
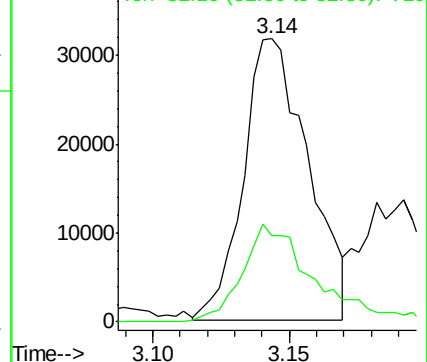
50 100

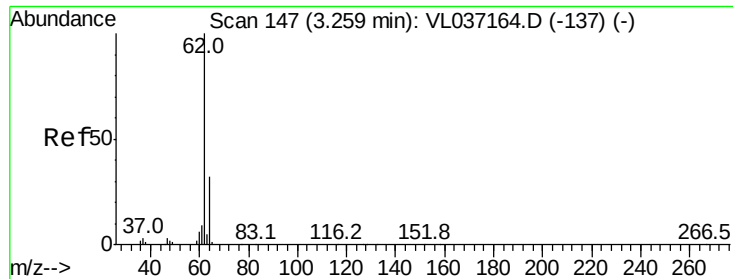
52 30.3 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.571 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

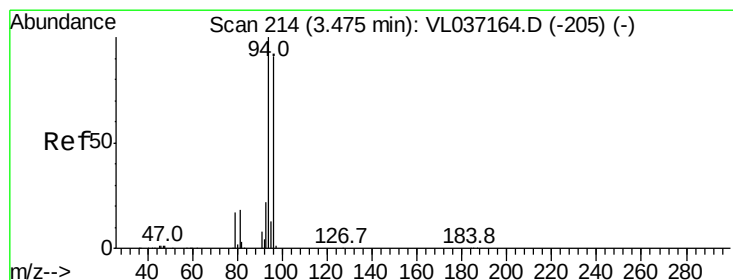
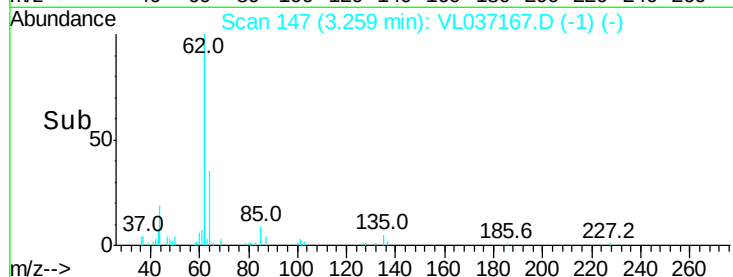
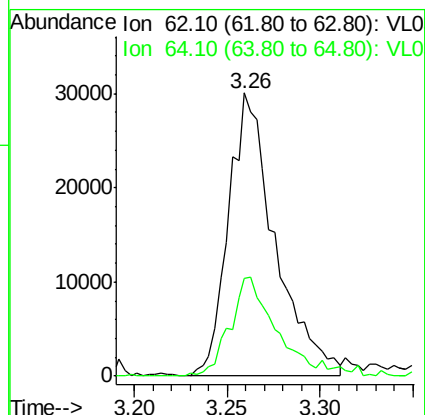
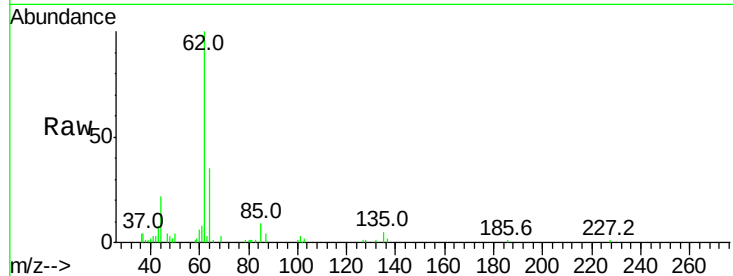
BFB

Tgt Ion: 62 Resp: 52484

Ion Ratio Lower Upper

62 100

64 33.8 25.6 38.4



#6

Bromomethane

Concen: 0.310 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037167.D

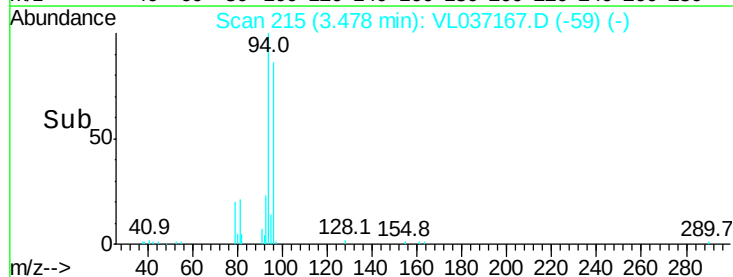
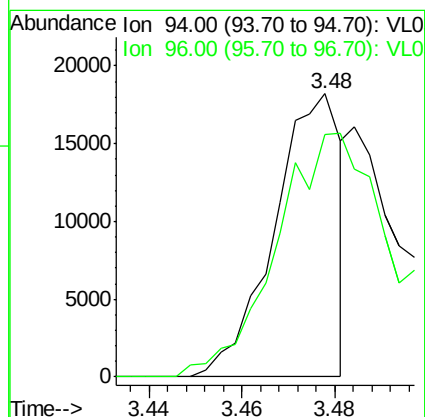
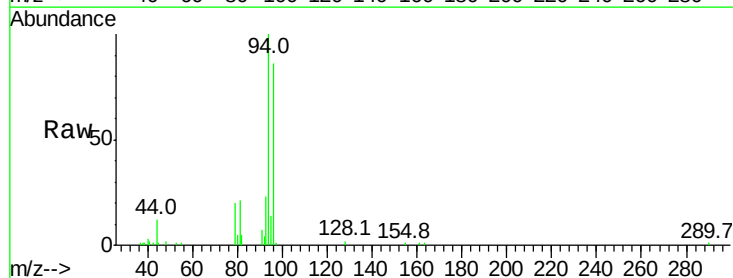
Acq: 16 Jun 2021 11:19

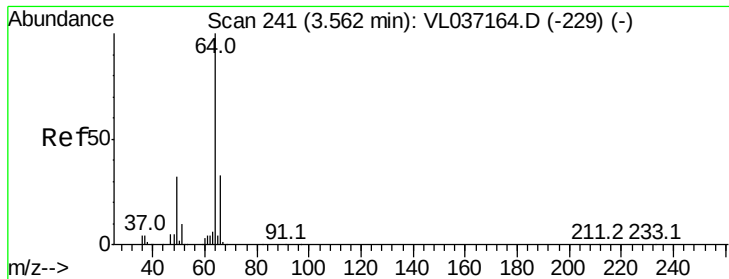
Tgt Ion: 94 Resp: 18127

Ion Ratio Lower Upper

94 100

96 81.4 72.6 108.8





#7

Chloroethane

Concen: 0.277 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

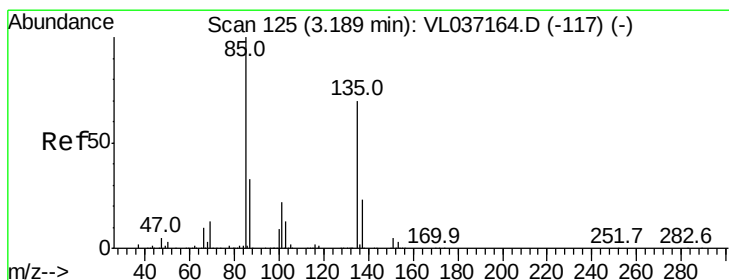
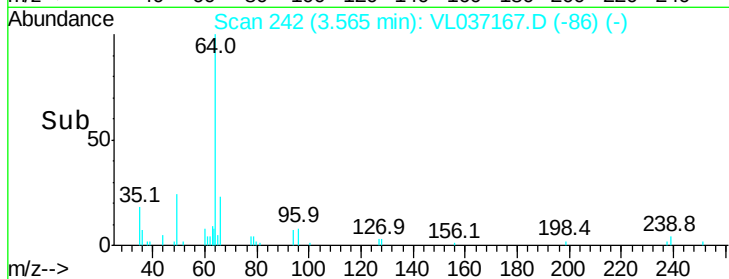
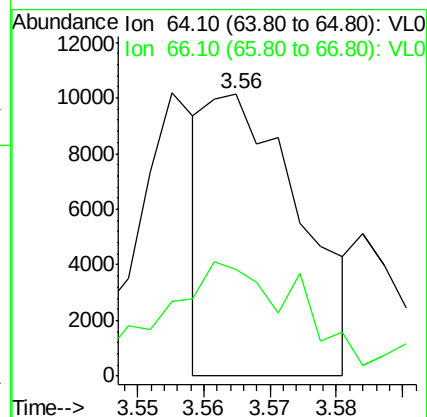
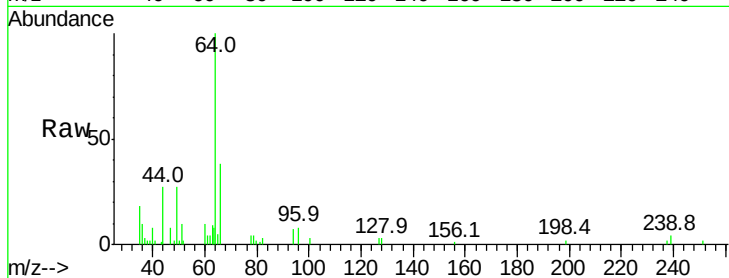
BFB

Tgt Ion: 64 Resp: 9932

Ion Ratio Lower Upper

64 100

66 37.6 26.2 39.4



#8

Dichlorotetrafluoroethane

Concen: 0.593 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037167.D

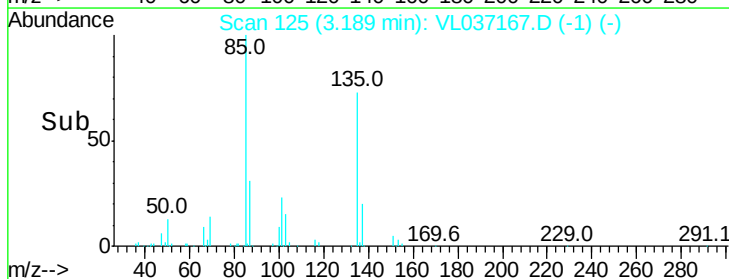
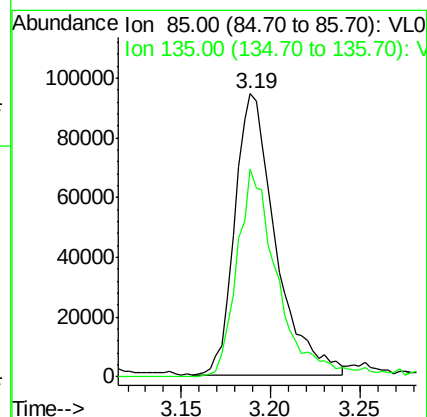
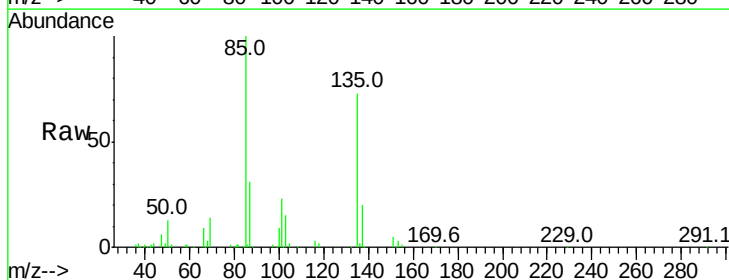
Acq: 16 Jun 2021 11:19

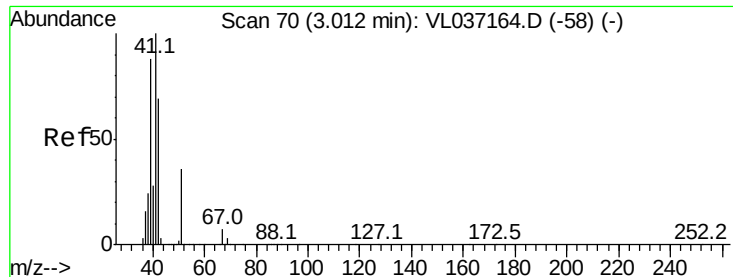
Tgt Ion: 85 Resp: 150018

Ion Ratio Lower Upper

85 100

135 76.0 60.4 90.6





#9

Propene

Concen: 0.517 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

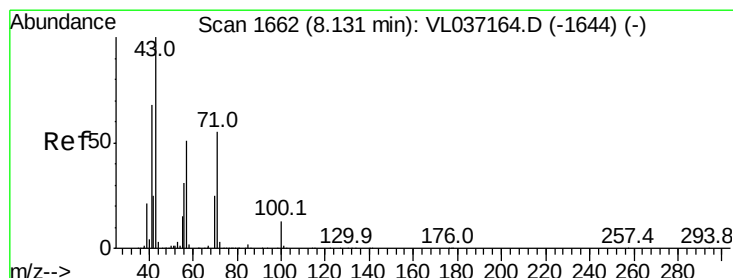
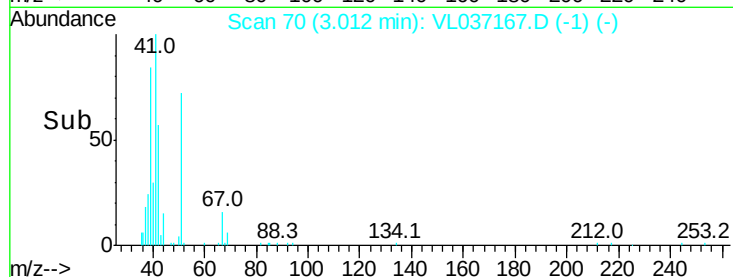
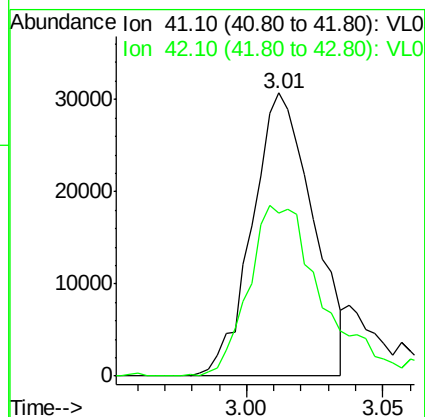
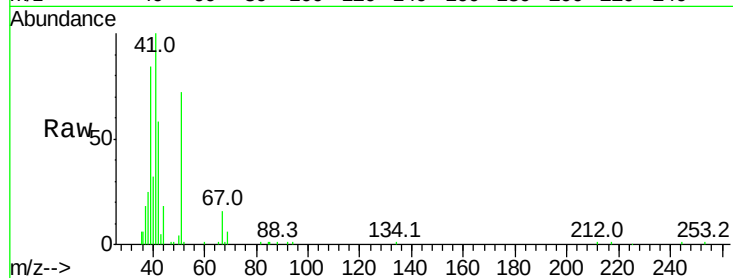
BFB

Tgt Ion: 41 Resp: 47546

Ion Ratio Lower Upper

41 100

42 79.3 54.5 81.7



#10

Heptane

Concen: 0.512 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL037167.D

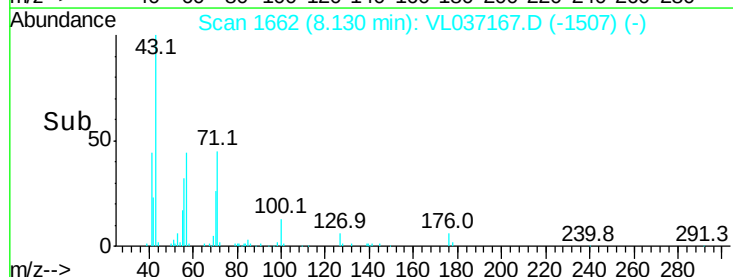
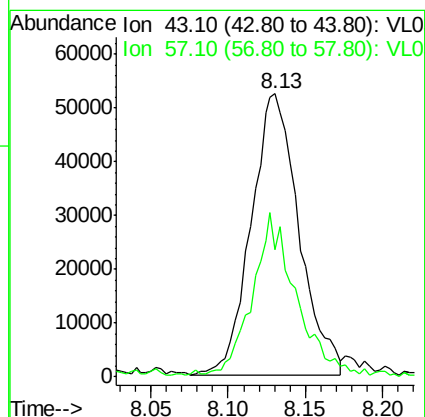
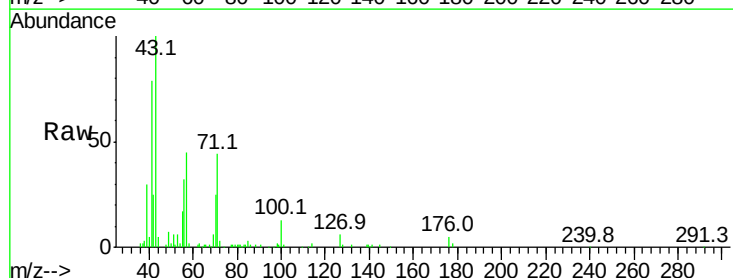
Acq: 16 Jun 2021 11:19

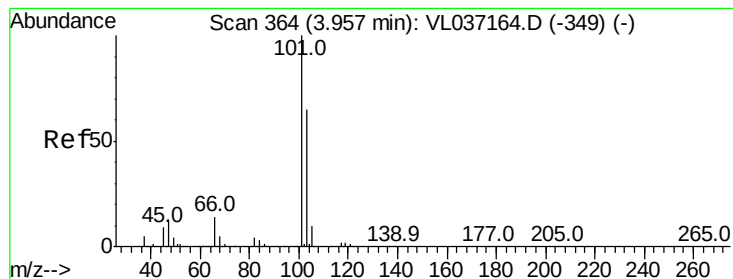
Tgt Ion: 43 Resp: 112271

Ion Ratio Lower Upper

43 100

57 52.6 40.6 61.0





#11

Trichlorofluoromethane

Concen: 0.560 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

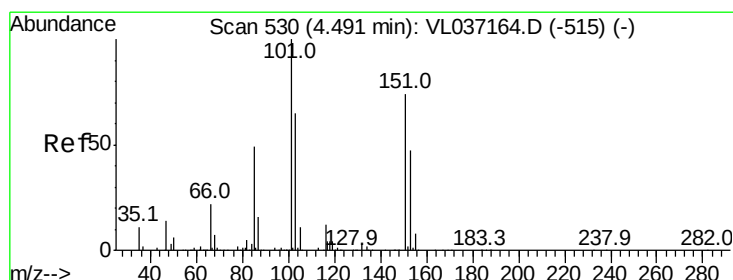
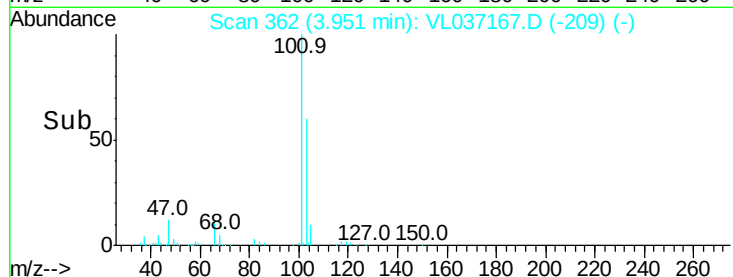
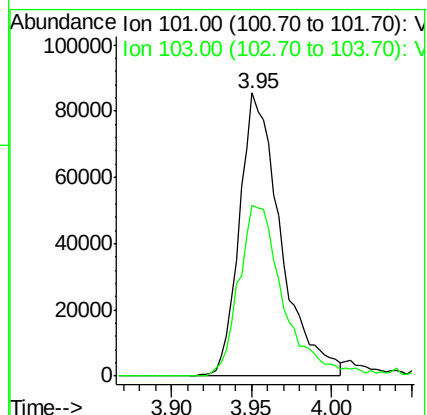
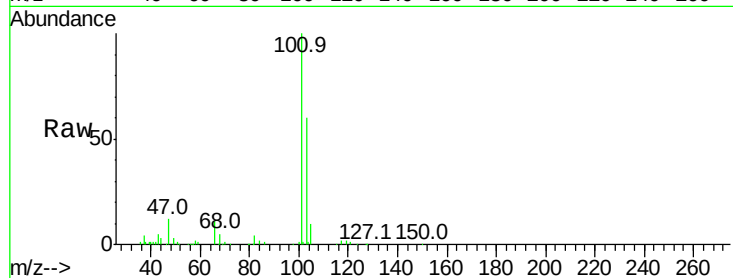
BFB

Tgt Ion:101 Resp: 150471

Ion Ratio Lower Upper

101 100

103 59.9 52.2 78.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.573 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL037167.D

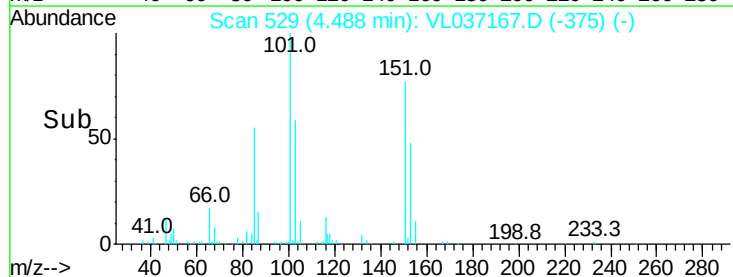
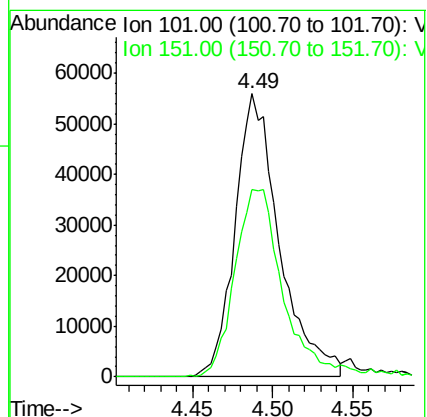
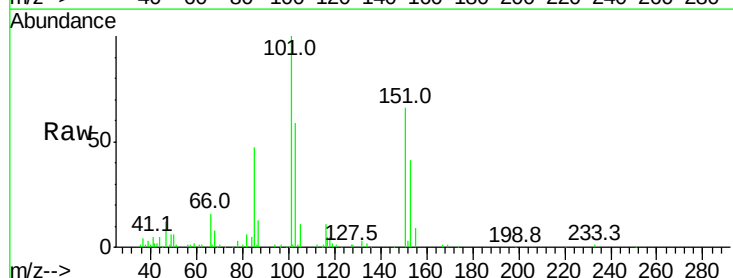
Acq: 16 Jun 2021 11:19

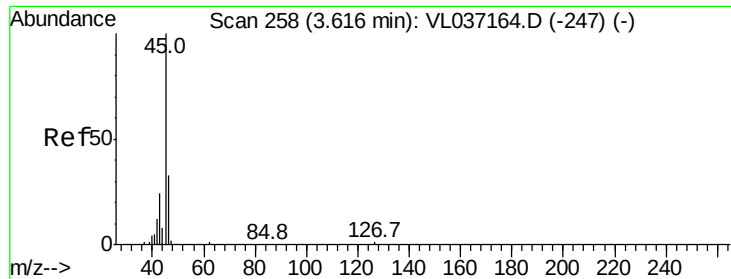
Tgt Ion:101 Resp: 105717

Ion Ratio Lower Upper

101 100

151 73.9 59.1 88.7

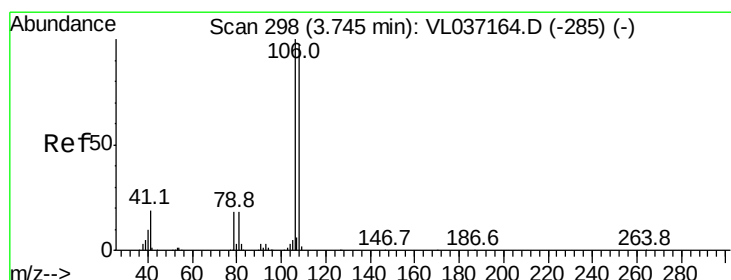
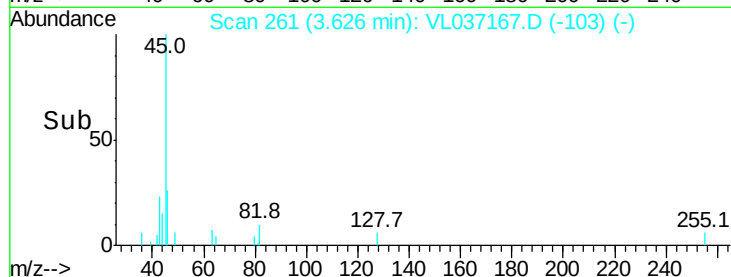
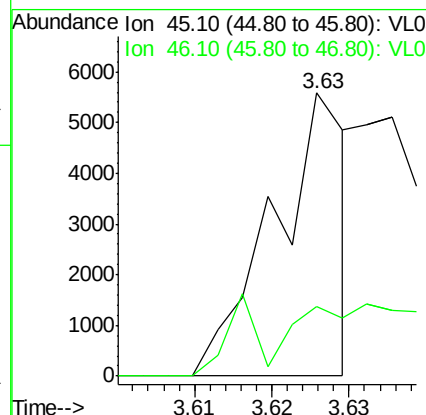
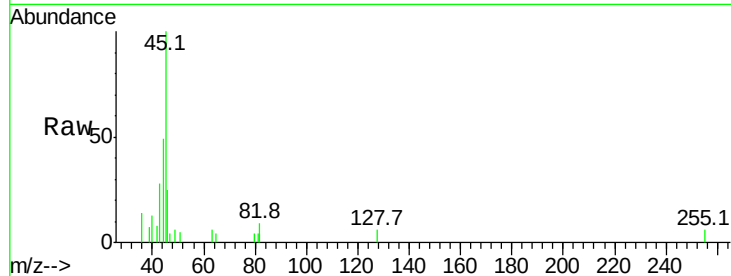




#13
Ethanol
Concen: 0.289 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

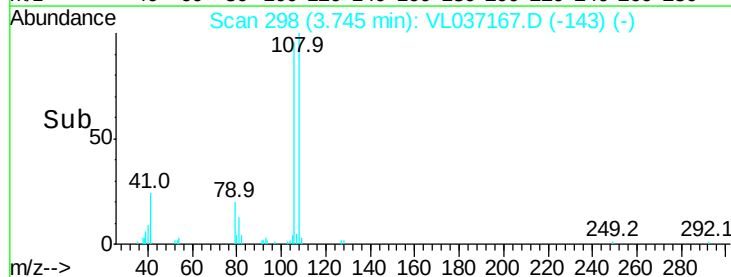
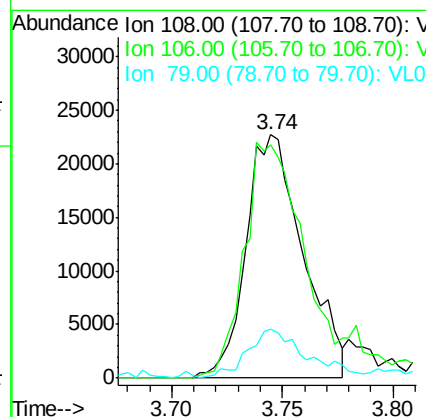
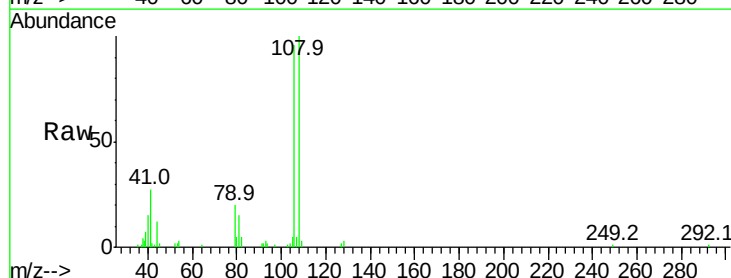
Instrument :
MSVOA_L
ClientSampleId :
BFB

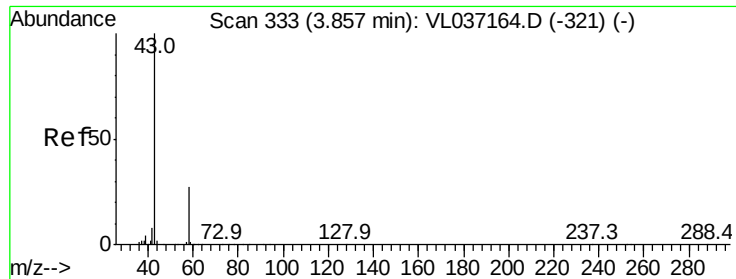
Tgt Ion: 45 Resp: 3676
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#



#14
Bromoethene
Concen: 0.512 ppbv
RT: 3.74 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion: 108 Resp: 40850
Ion Ratio Lower Upper
108 100
106 114.3 86.8 130.2
79 24.4 15.6 23.4#





#15

Acetone

Concen: 0.226 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

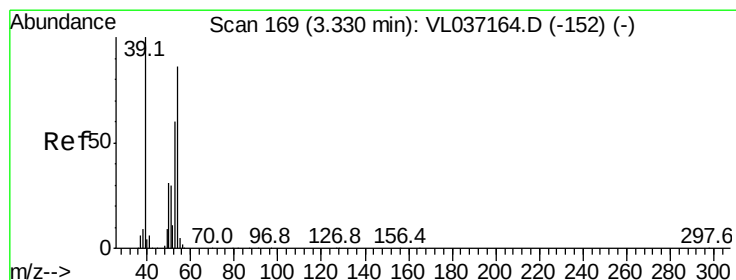
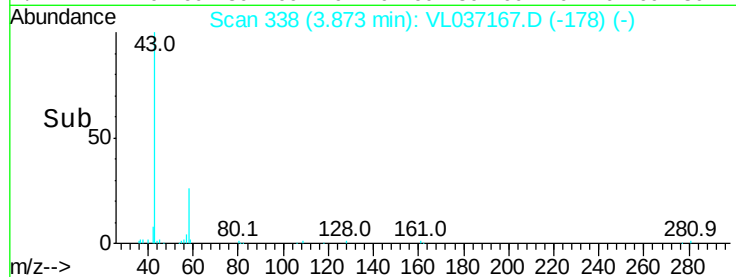
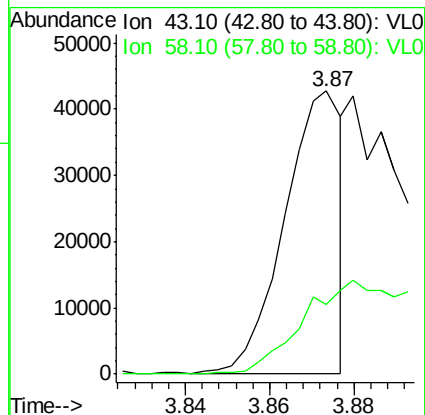
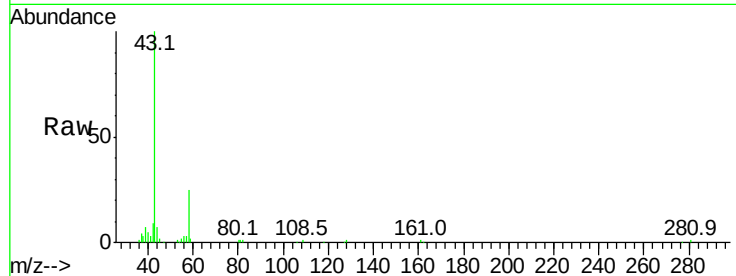
BFB

Tgt Ion: 43 Resp: 40181

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#16

1,3-Butadiene

Concen: 0.426 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL037167.D

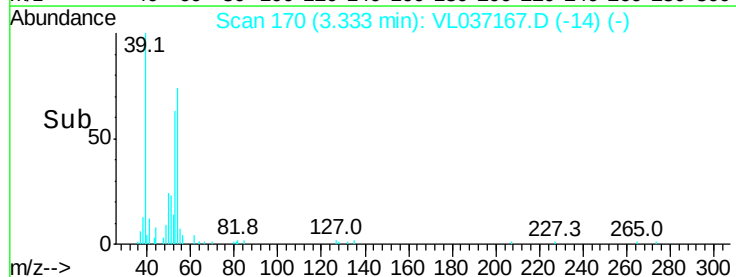
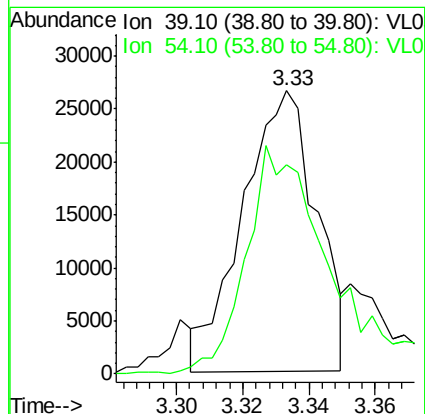
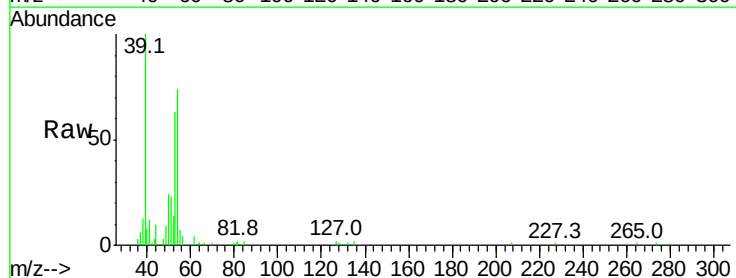
Acq: 16 Jun 2021 11:19

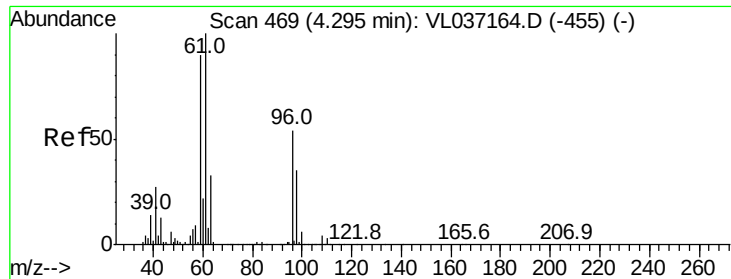
Tgt Ion: 39 Resp: 40965

Ion Ratio Lower Upper

39 100

54 96.5 61.2 91.8#

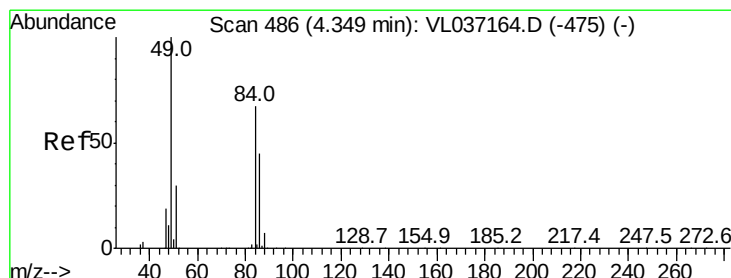
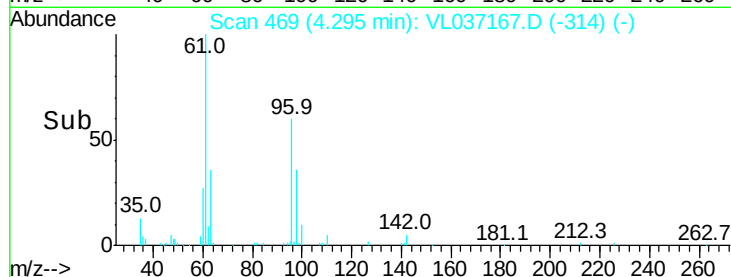
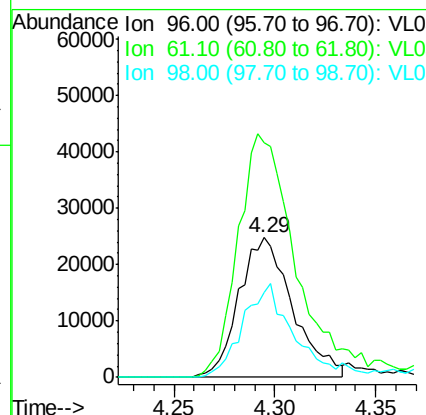
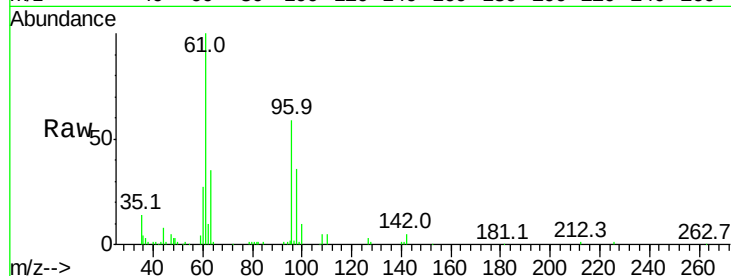




#18
 1,1-Dichloroethene
 Concen: 0.555 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

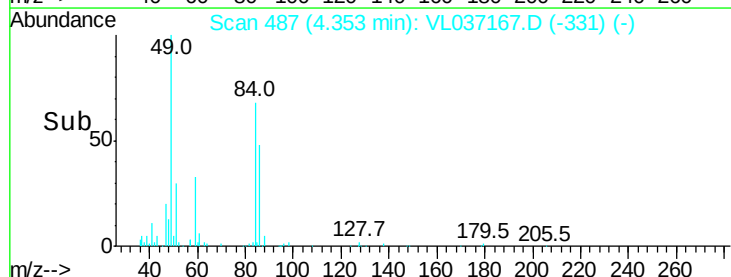
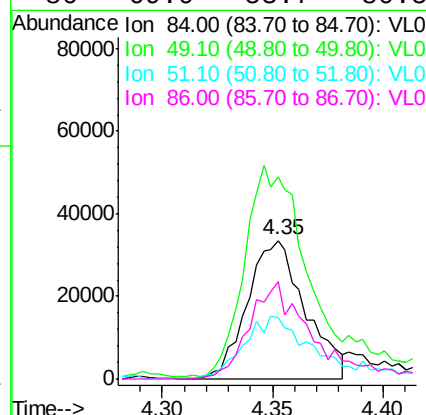
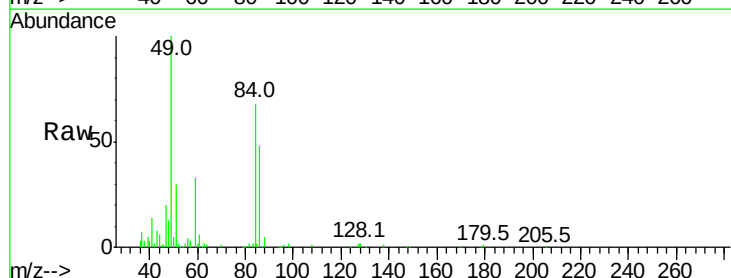
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

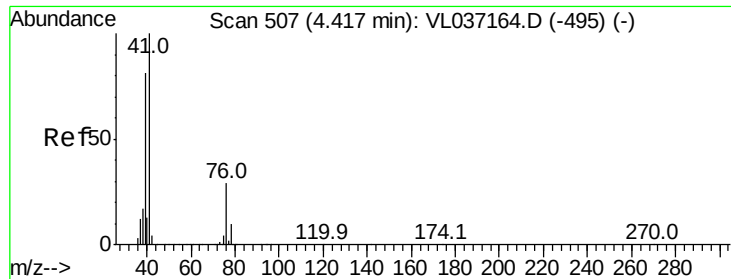
Tgt Ion: 96 Resp: 46128
 Ion Ratio Lower Upper
 96 100
 61 168.6 148.6 222.8
 98 60.6 51.9 77.9



#20
 Methylene Chloride
 Concen: 0.787 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 84 Resp: 61013
 Ion Ratio Lower Upper
 84 100
 49 143.4 119.7 179.5
 51 43.2 36.1 54.1
 86 69.9 53.7 80.5

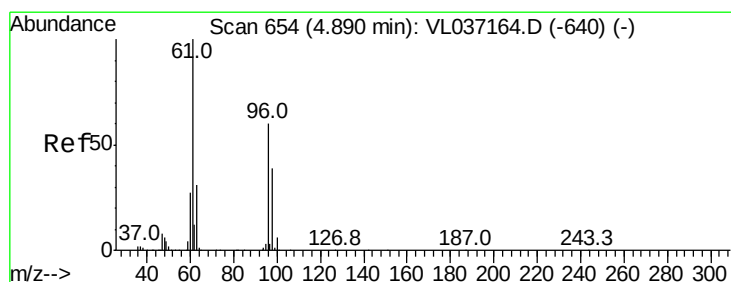
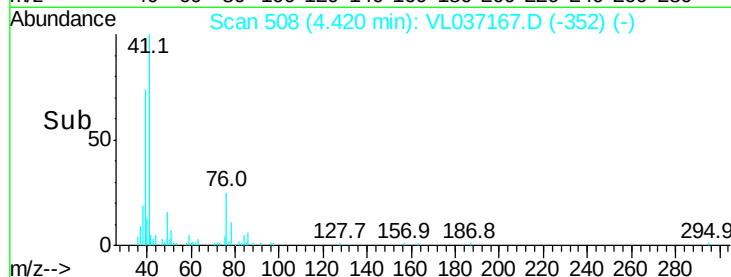
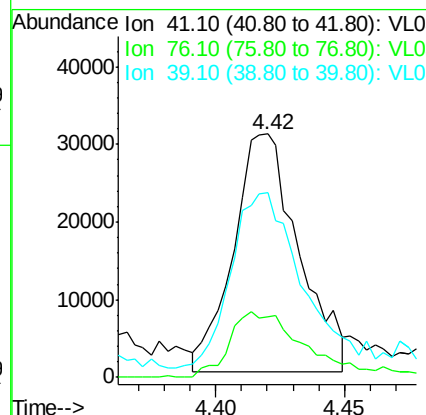
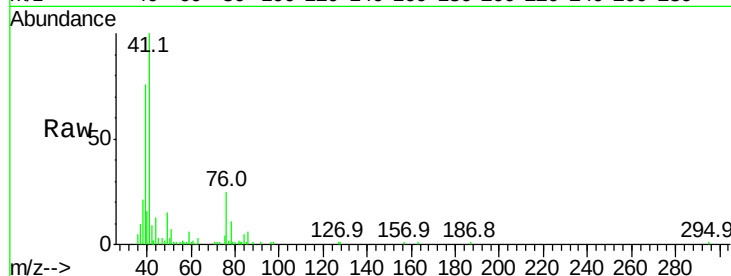




#21
 Allyl Chloride
 Concen: 0.459 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

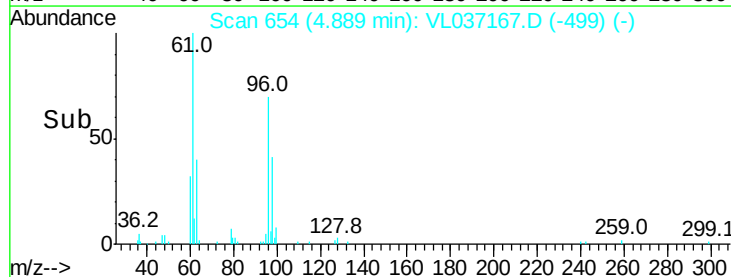
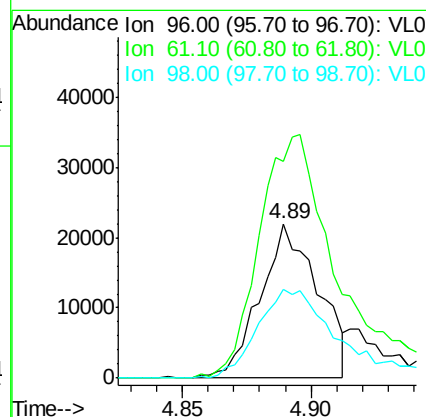
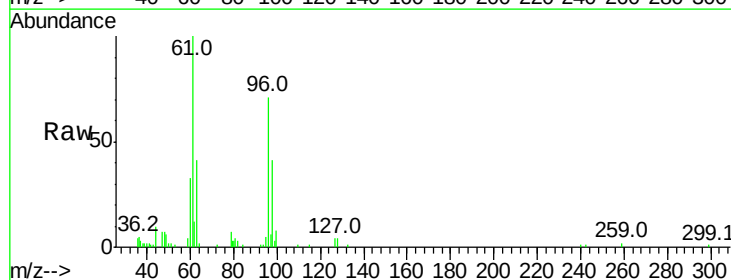
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

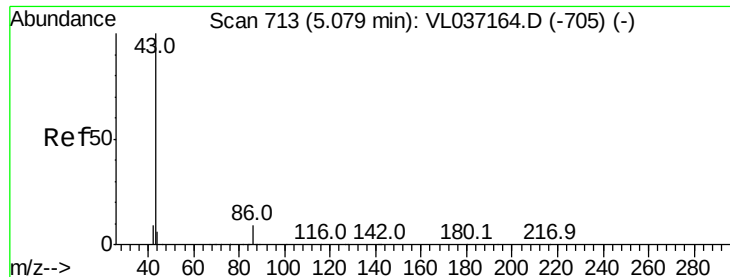
Tgt Ion: 41 Resp: 54543
 Ion Ratio Lower Upper
 41 100
 76 33.0 24.6 37.0
 39 99.9 65.4 98.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.424 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 96 Resp: 34340
 Ion Ratio Lower Upper
 96 100
 61 140.7 133.9 200.9
 98 57.9 52.9 79.3





#23

Vinyl Acetate

Concen: 0.315 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

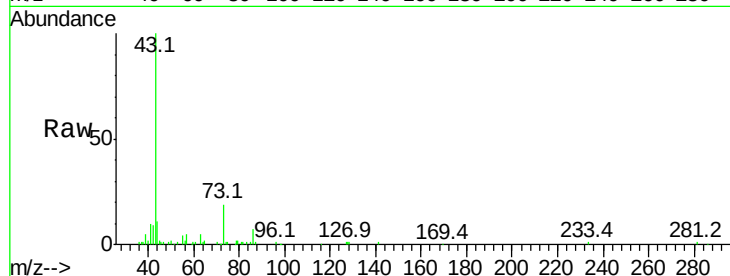
ClientSampleId :

BFB

Tgt Ion: 43 Resp: 73721

Ion Ratio Lower Upper

43	100		
86	5.9	5.8	8.8
42	9.1	8.2	12.2
44	7.6	4.2	6.4#

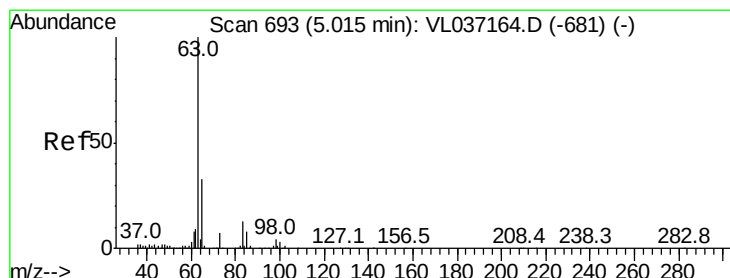
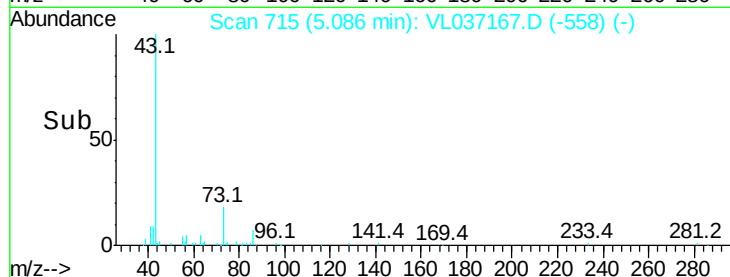
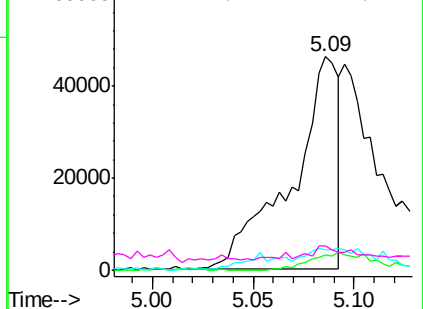


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.548 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

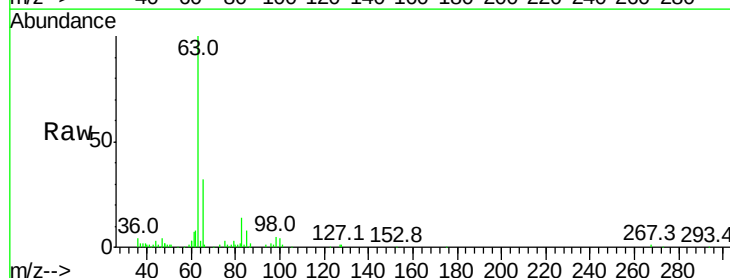
Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion: 63 Resp: 102716

Ion Ratio Lower Upper

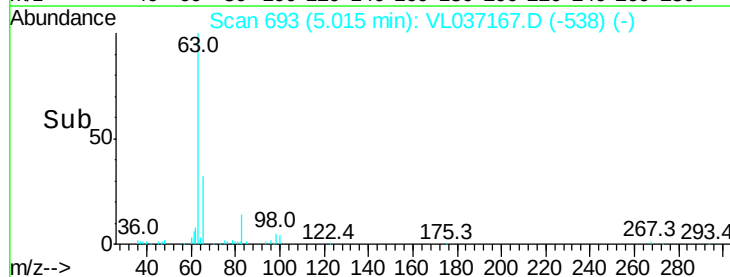
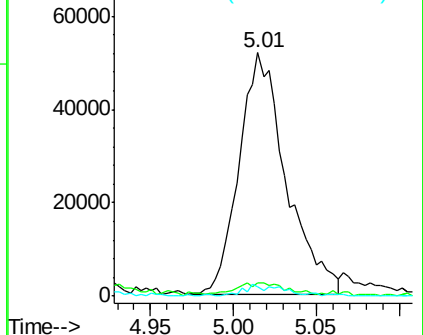
63	100		
98	4.7	2.1	6.5
100	3.2	1.4	4.0

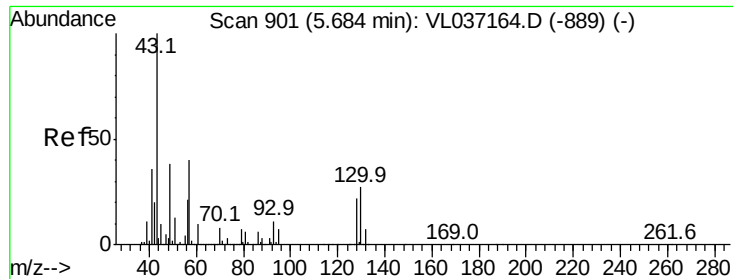


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

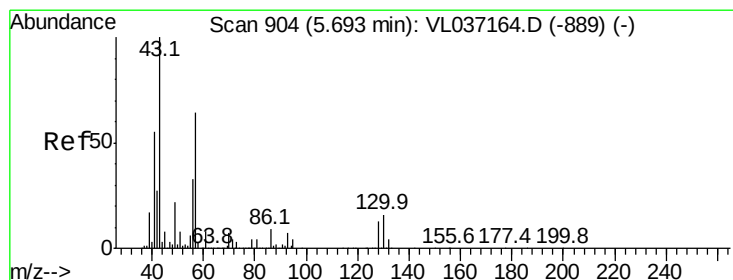
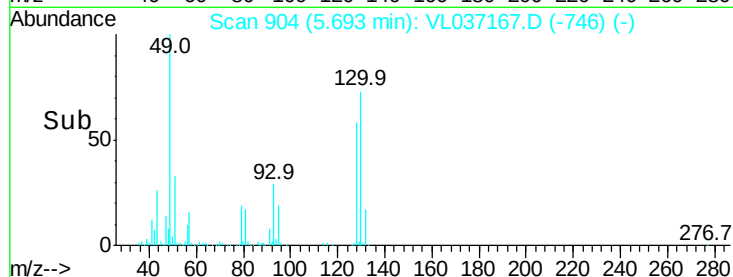
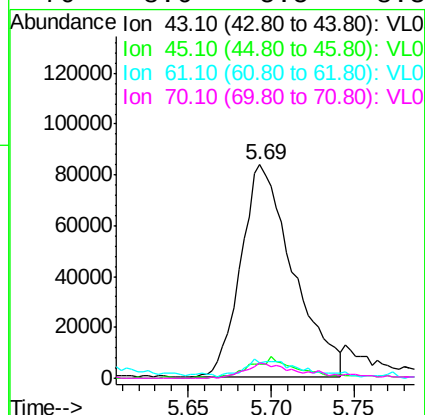
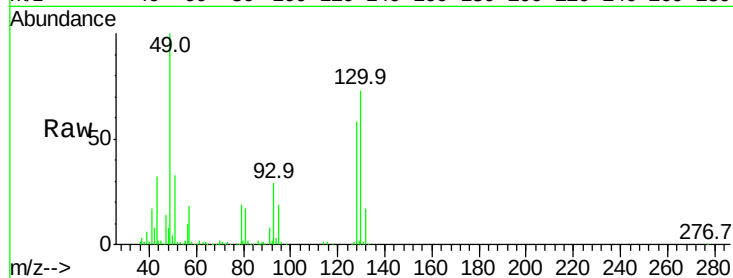




#25
Ethyl Acetate
Concen: 0.522 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

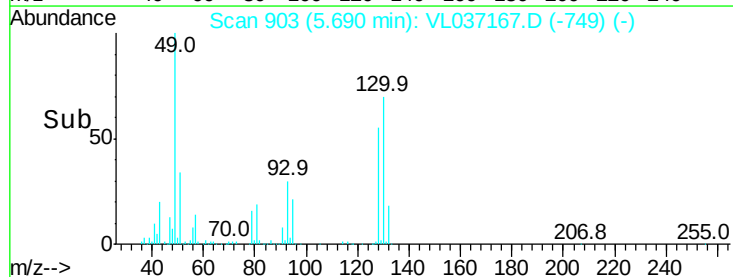
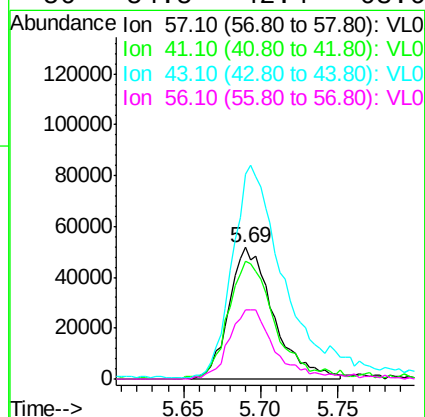
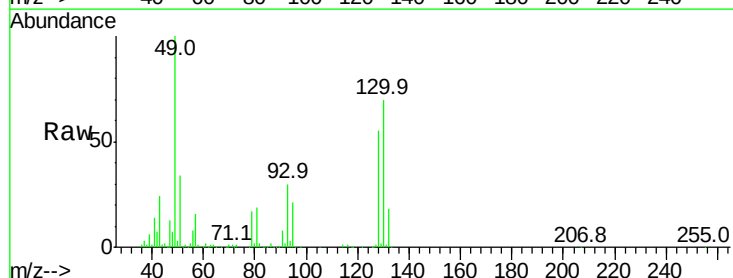
Instrument :
MSVOA_L
ClientSampleId :
BFB

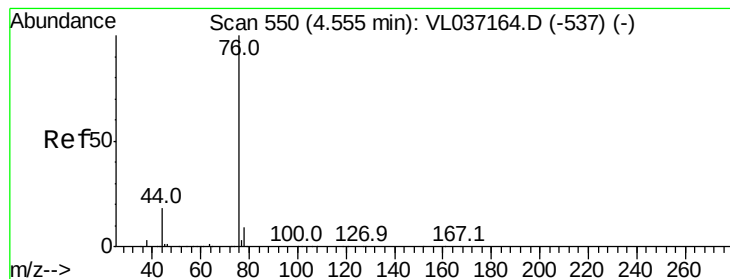
Tgt Ion:	43	Resp:	181861
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	10.5	8.1	12.1
70	8.6	5.5	8.3#



#26
Hexane
Concen: 0.586 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion:	57	Resp:	101671
Ion	Ratio	Lower	Upper
57	100		
41	99.2	73.5	110.3
43	203.9	170.7	256.1
56	54.5	42.4	63.6





#27

Carbon Disulfide

Concen: 0.395 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

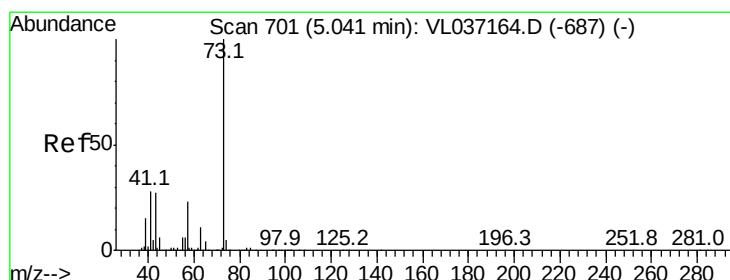
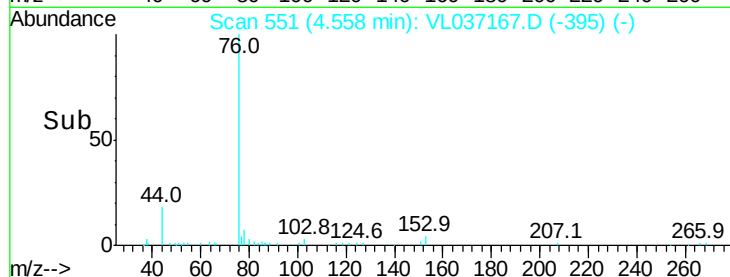
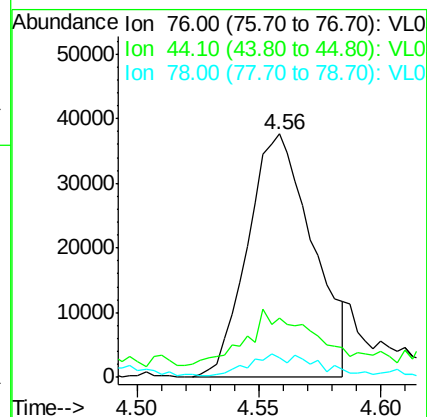
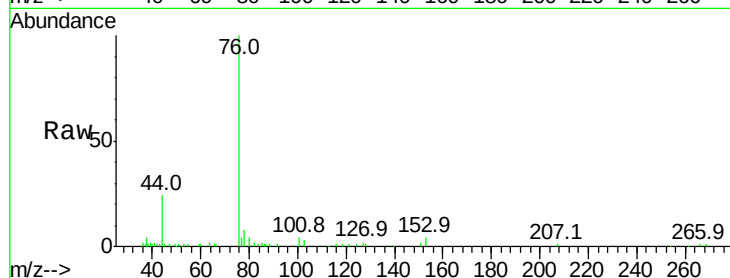
Tgt Ion: 76 Resp: 69491

Ion Ratio Lower Upper

76 100

44 26.3 15.4 23.2#

78 11.9 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 0.240 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.01 min

Lab File: VL037167.D

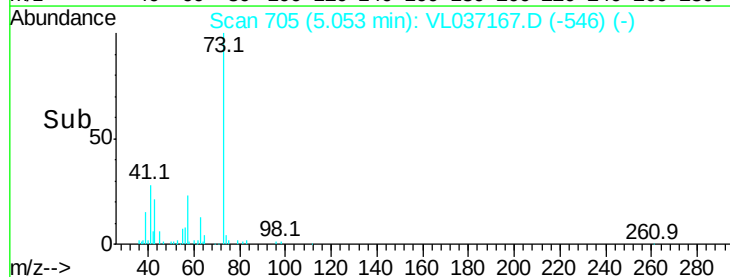
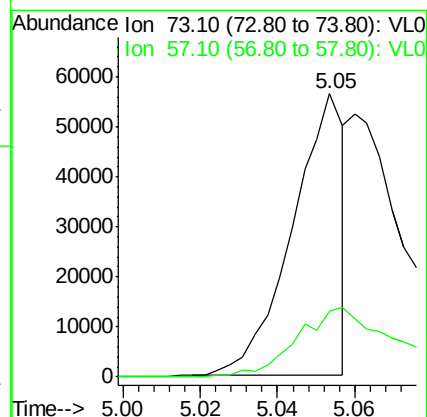
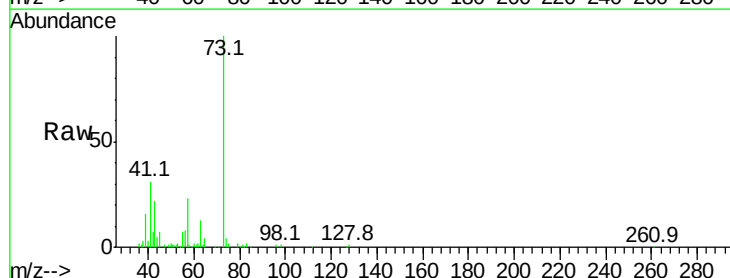
Acq: 16 Jun 2021 11:19

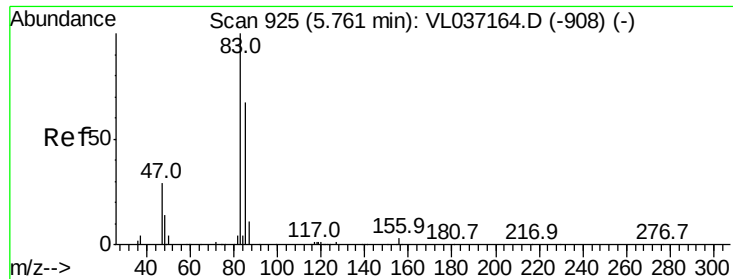
Tgt Ion: 73 Resp: 52168

Ion Ratio Lower Upper

73 100

57 0.0 18.0 27.0#

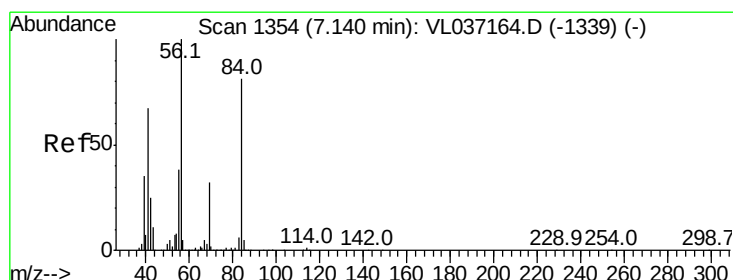
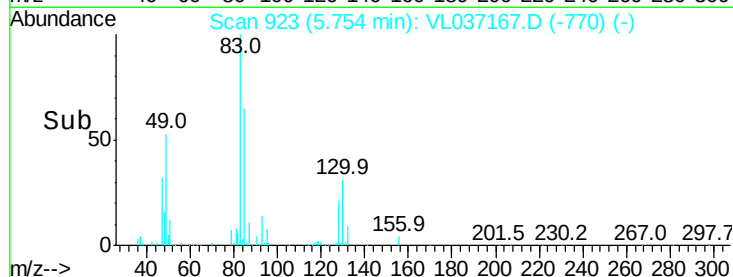
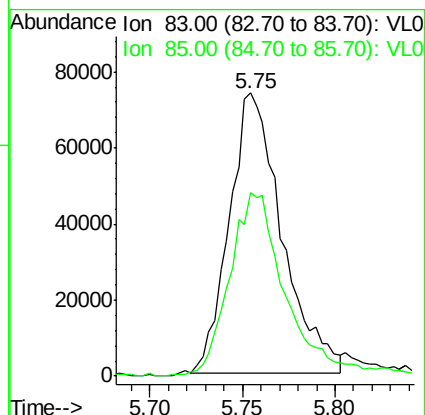
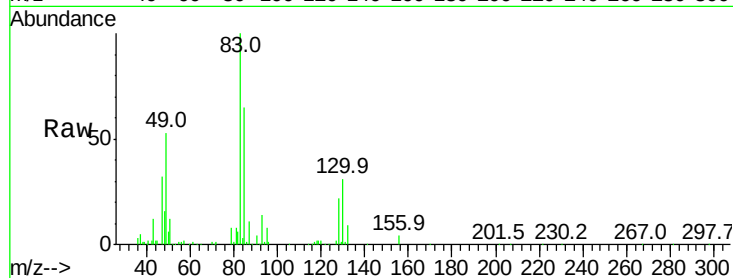




#29
Chloroform
Concen: 0.519 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

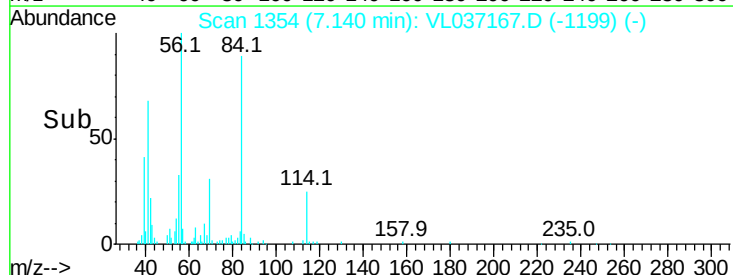
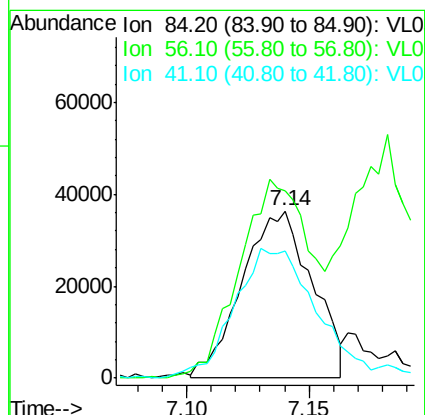
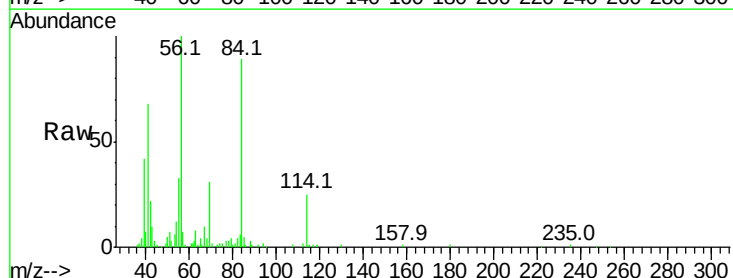
Instrument :
MSVOA_L
ClientSampleId :
BFB

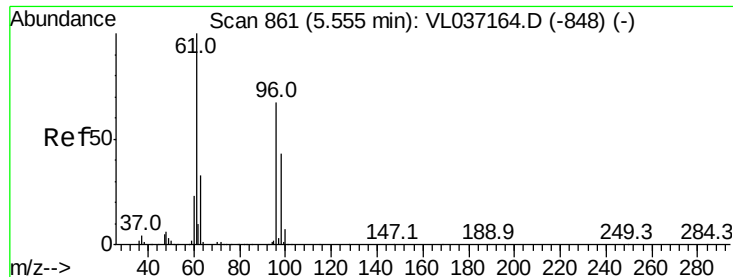
Tgt Ion: 83 Resp: 145410
Ion Ratio Lower Upper
83 100
85 64.2 53.6 80.4



#30
Cyclohexane
Concen: 0.480 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion: 84 Resp: 72591
Ion Ratio Lower Upper
84 100
56 126.6 107.7 161.5
41 93.6 69.0 103.6



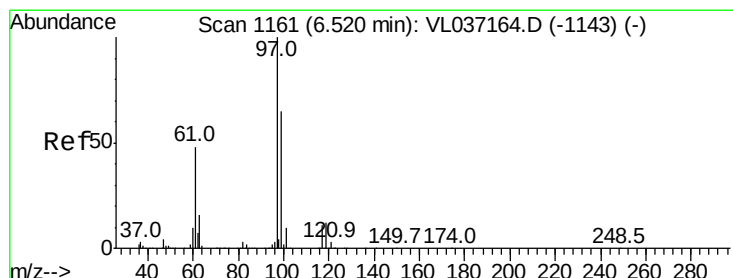
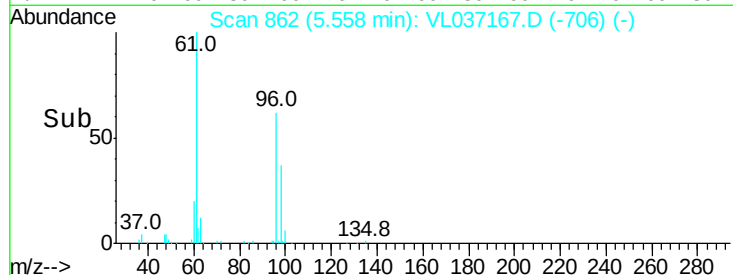
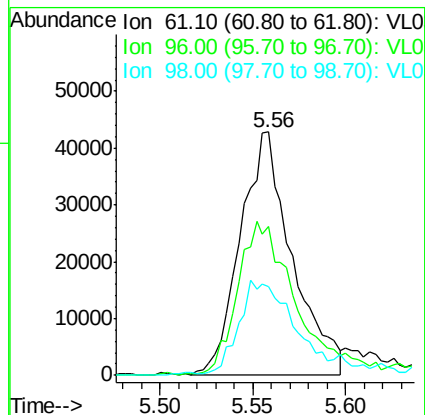
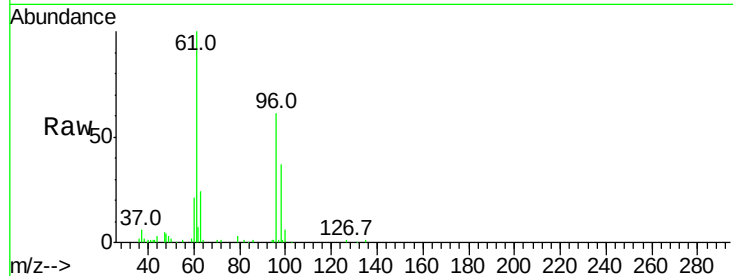


#31

cis-1,2-Dichloroethene
 Concen: 0.498 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

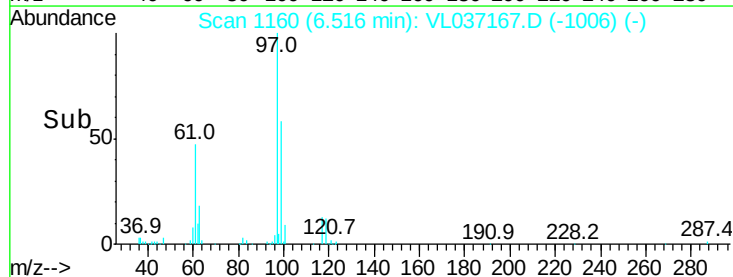
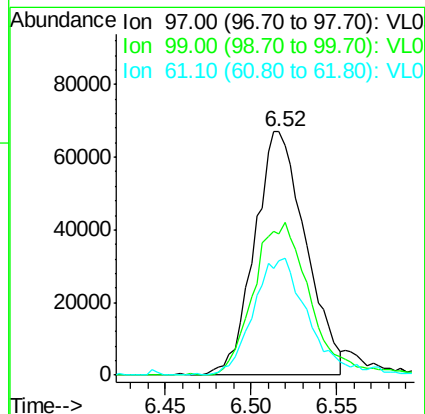
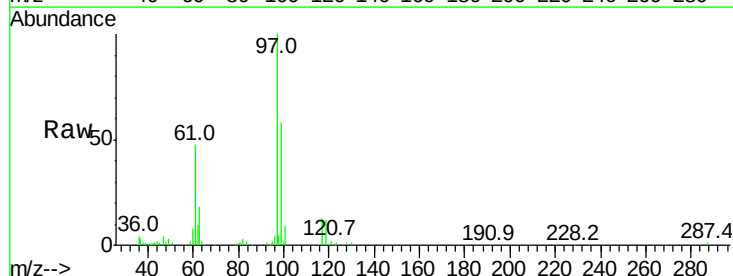
Tgt Ion: 61 Resp: 83191
 Ion Ratio Lower Upper
 61 100
 96 60.5 53.6 80.4
 98 35.7 34.7 52.1

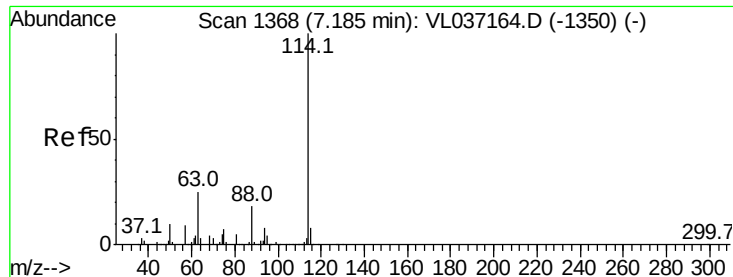


#32

1,1,1-Trichloroethane
 Concen: 0.539 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 97 Resp: 138531
 Ion Ratio Lower Upper
 97 100
 99 69.9 52.2 78.4
 61 52.1 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

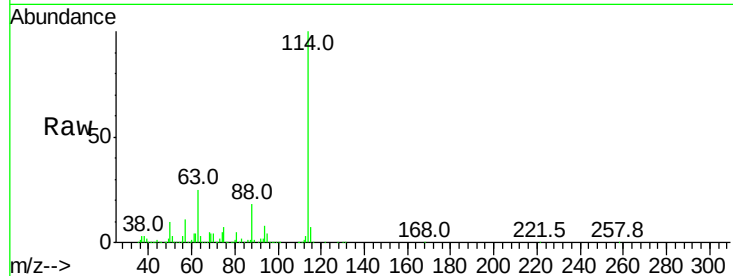
Tgt Ion:114 Resp: 4412580

Ion Ratio Lower Upper

114 100

63 24.7 19.6 29.4

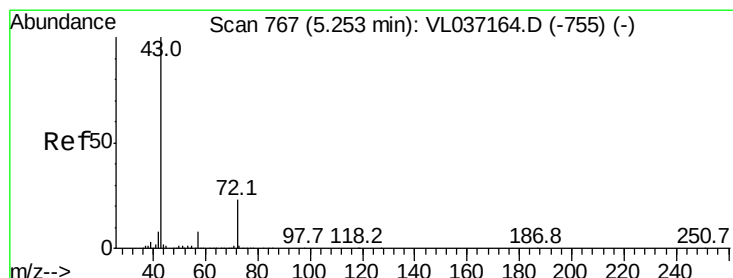
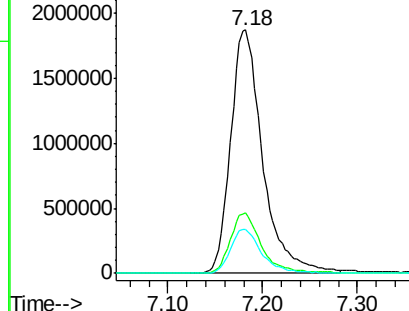
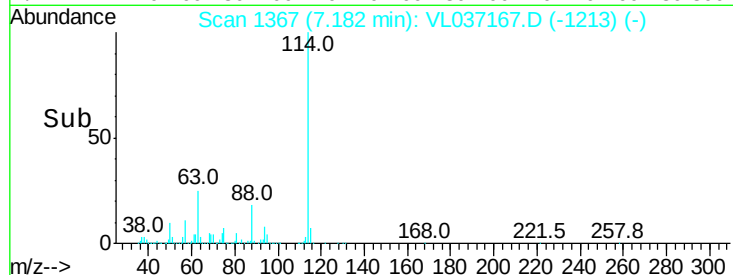
88 18.1 14.2 21.2



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: 0.463 ppbv

RT: 5.27 min Scan# 773

Delta R.T. 0.02 min

Lab File: VL037167.D

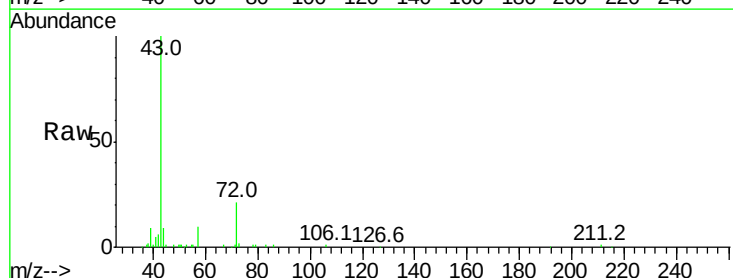
Acq: 16 Jun 2021 11:19

Tgt Ion: 43 Resp: 76762

Ion Ratio Lower Upper

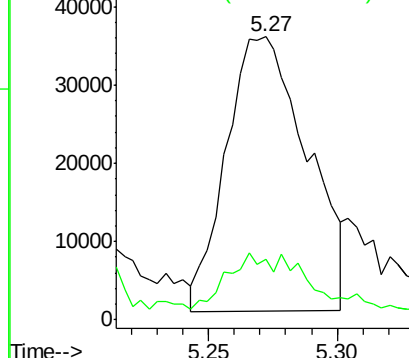
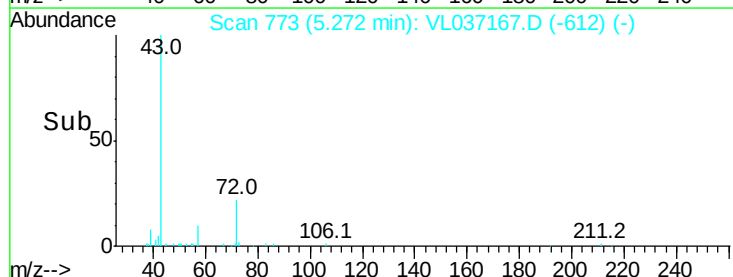
43 100

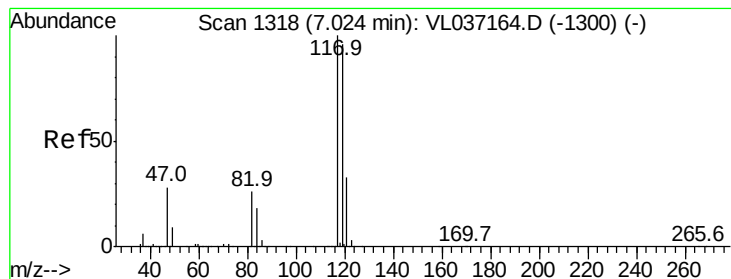
72 30.1 18.9 28.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.527 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

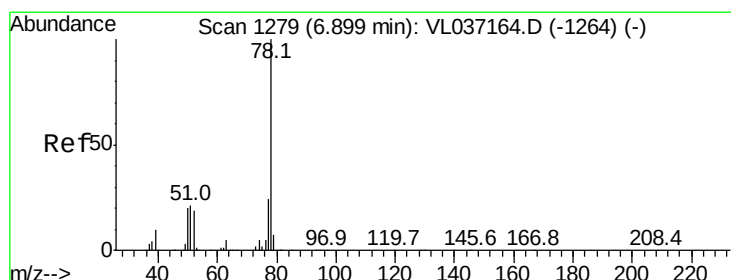
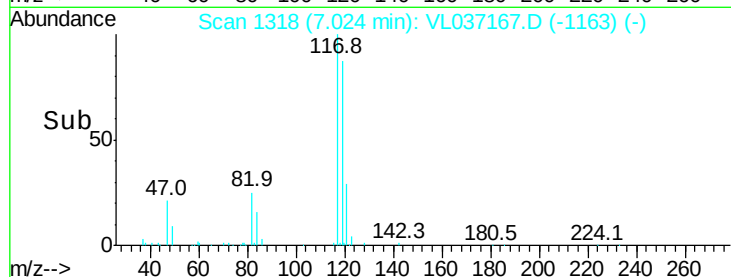
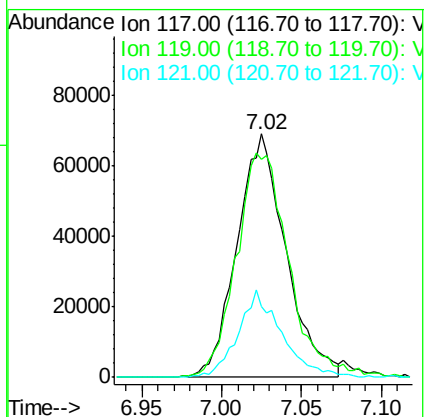
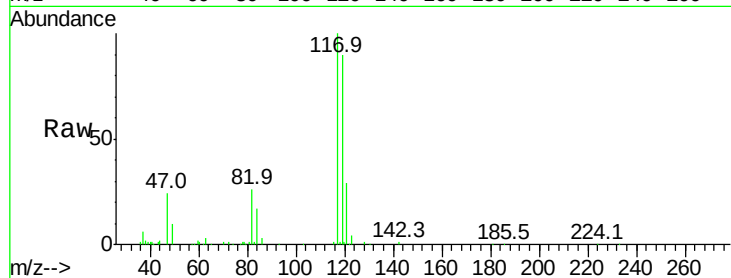
Tgt Ion:117 Resp: 143077

Ion Ratio Lower Upper

117 100

119 89.2 76.6 114.8

121 29.2 26.4 39.6



#36

Benzene

Concen: 0.537 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

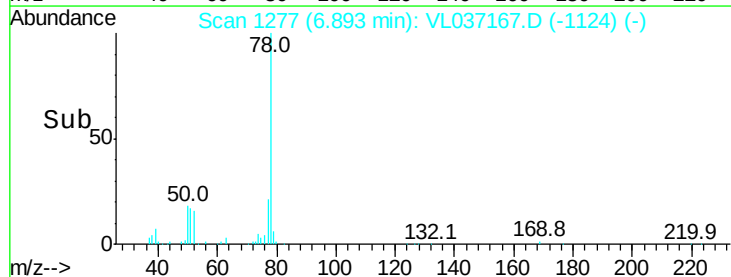
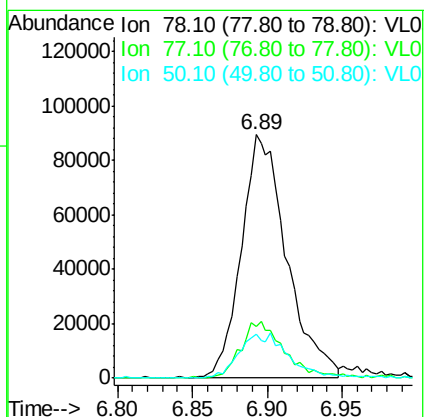
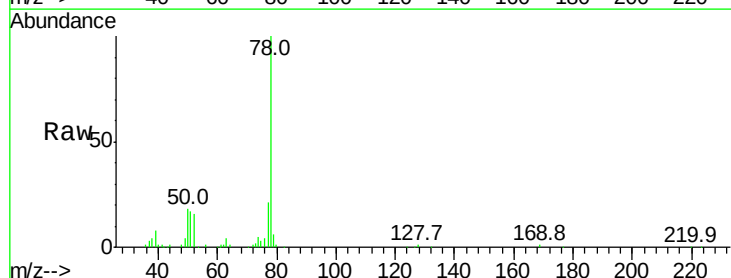
Tgt Ion: 78 Resp: 188086

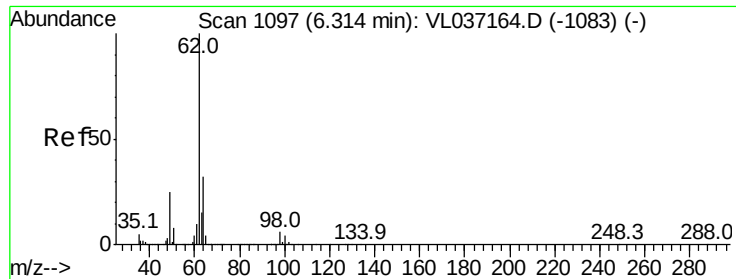
Ion Ratio Lower Upper

78 100

77 21.1 19.0 28.6

50 18.0 15.7 23.5

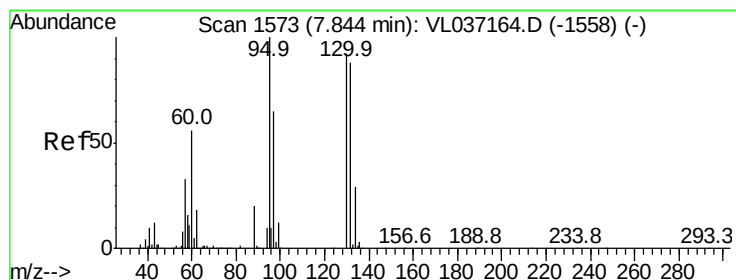
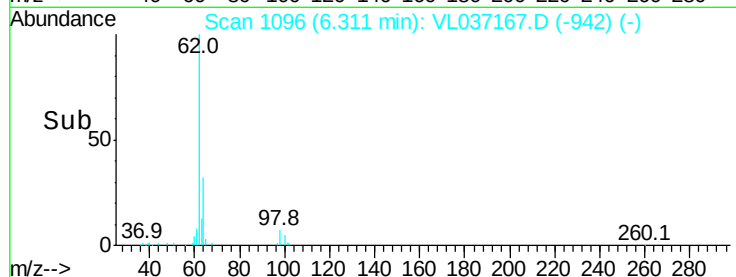
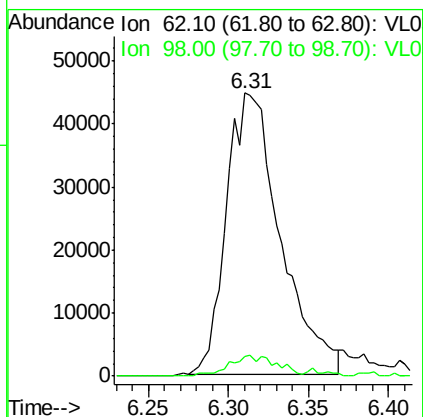
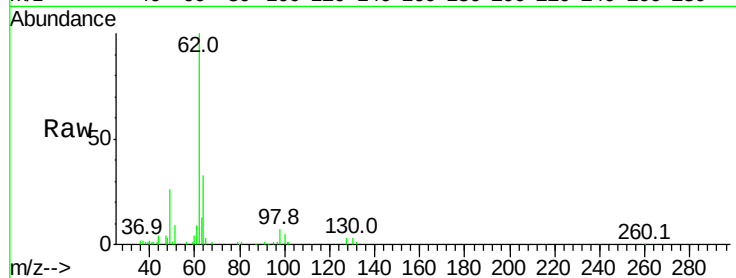




#37
 1,2-Dichloroethane
 Concen: 0.508 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

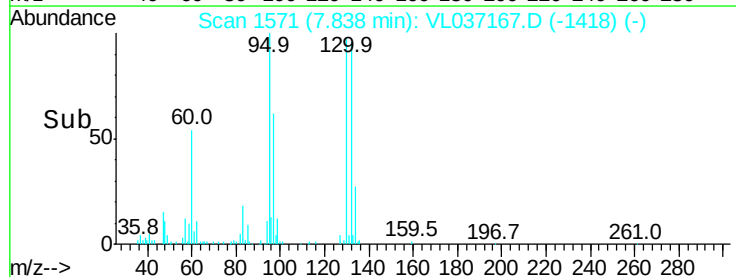
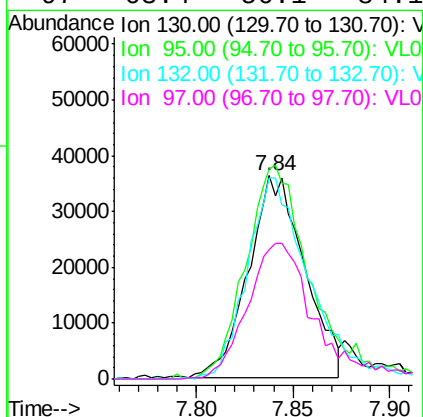
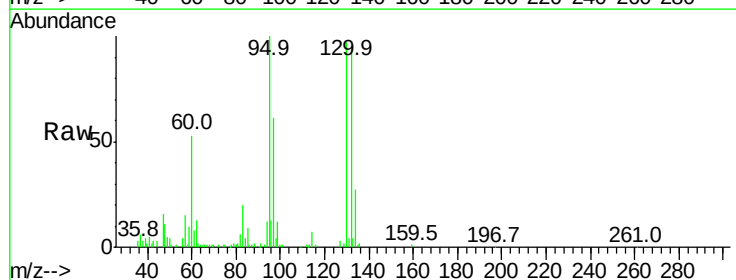
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

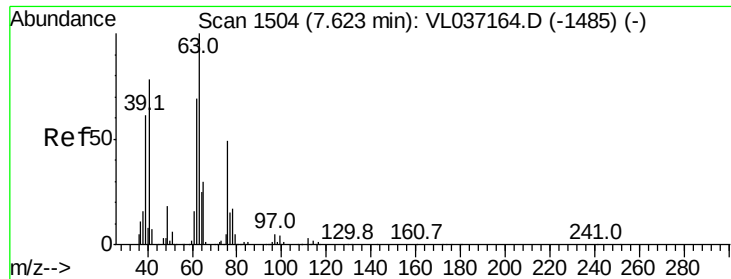
Tgt Ion: 62 Resp: 103366
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.0 7.6



#38
 Trichloroethene
 Concen: 0.486 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 130 Resp: 73519
 Ion Ratio Lower Upper
 130 100
 95 103.6 86.6 129.8
 132 98.5 76.6 114.8
 97 63.4 56.1 84.1

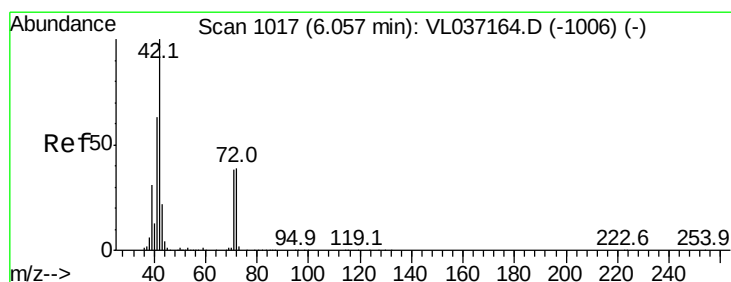
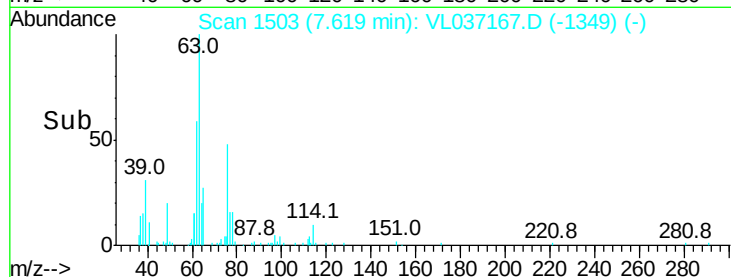
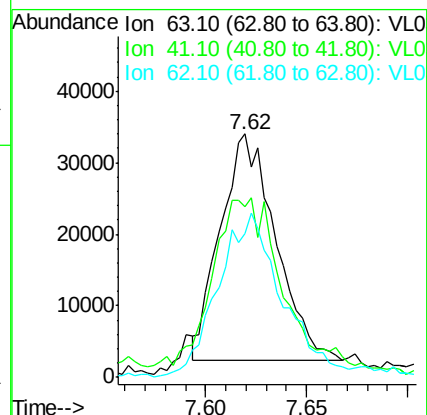
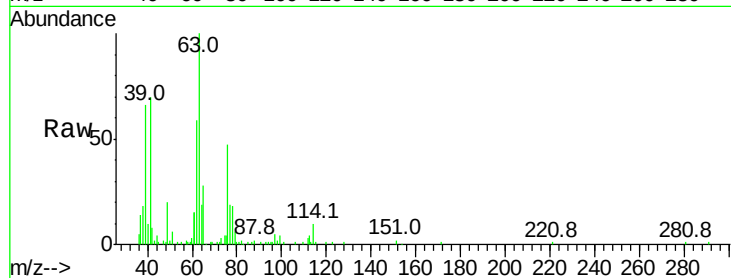




#39
 1,2-Dichloropropane
 Concen: 0.451 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

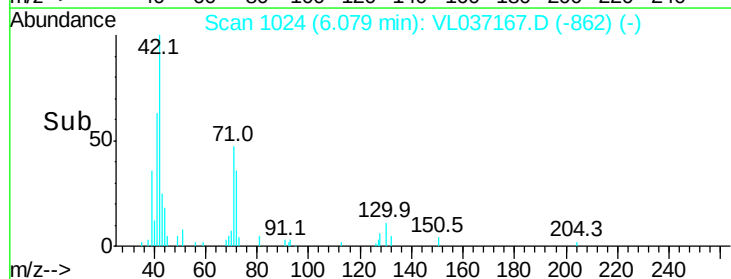
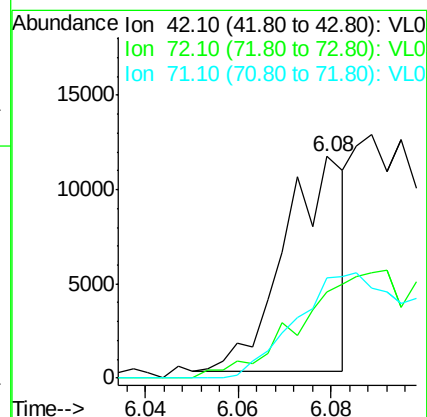
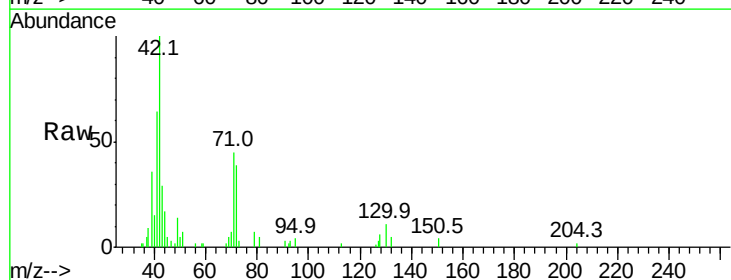
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

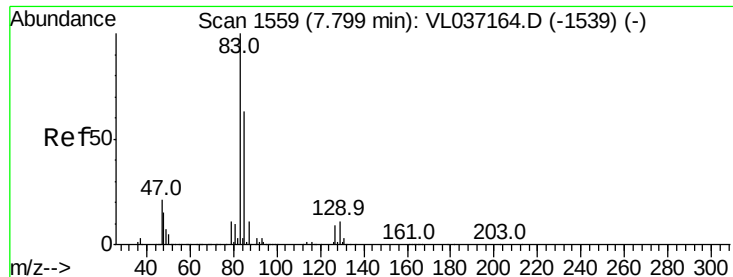
Tgt Ion:	63	Resp:	60237
Ion	Ratio	Lower	Upper
63	100		
41	66.3	62.0	93.0
62	58.7	54.9	82.3



#41
 Tetrahydrofuran
 Concen: 0.129 ppbv
 RT: 6.08 min Scan# 1024
 Delta R.T. 0.02 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion:	42	Resp:	10387
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.0	49.4#
71	0.0	31.0	46.6#





#42

Bromodichloromethane

Concen: 0.216 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

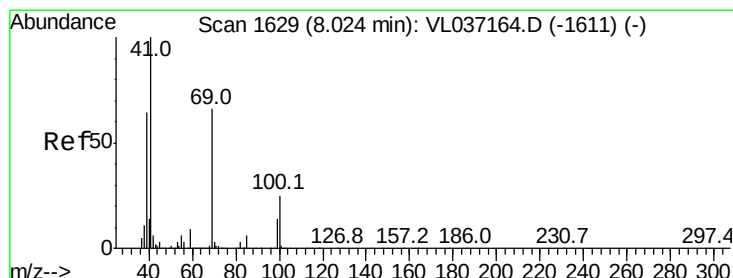
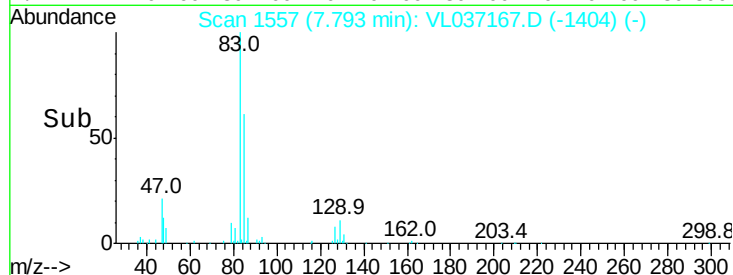
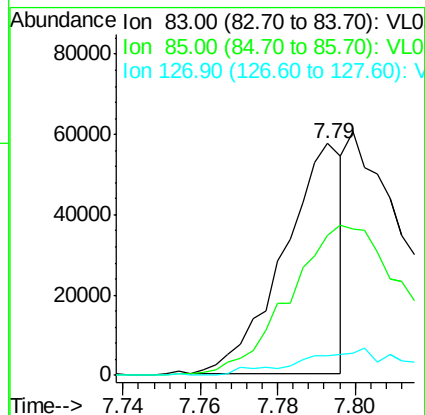
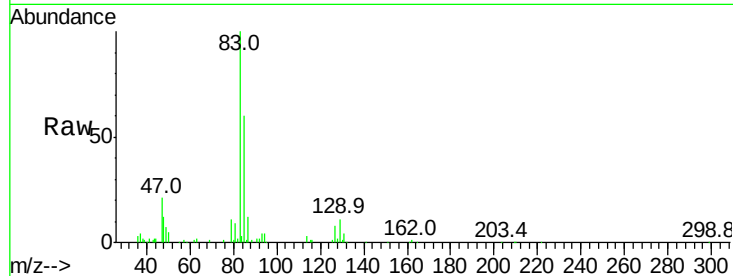
Tgt Ion: 83 Resp: 60518

Ion Ratio Lower Upper

83 100

85 59.9 50.8 76.2

127 8.0 7.0 10.6



#43

Methyl Methacrylate

Concen: 0.427 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

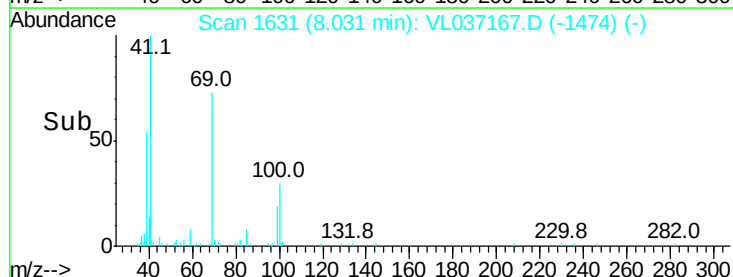
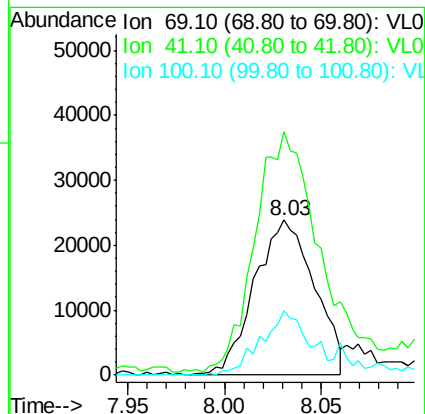
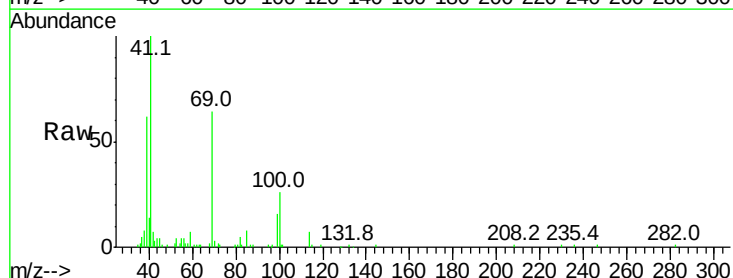
Tgt Ion: 69 Resp: 51291

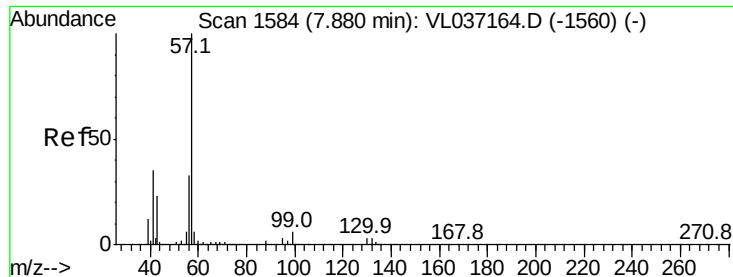
Ion Ratio Lower Upper

69 100

41 170.0 119.4 179.0

100 41.6 28.6 43.0





#44

2,2,4-Trimethylpentane

Concen: 0.531 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

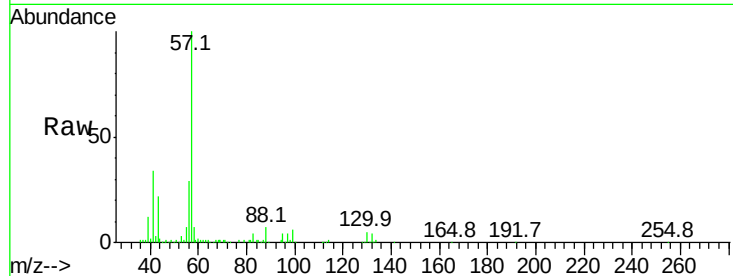
Tgt Ion: 57 Resp: 311457

Ion Ratio Lower Upper

57 100

41 36.6 27.6 41.4

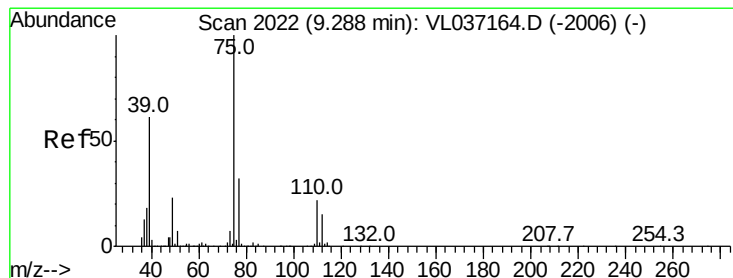
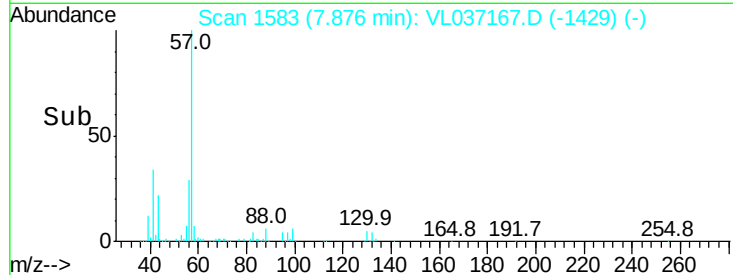
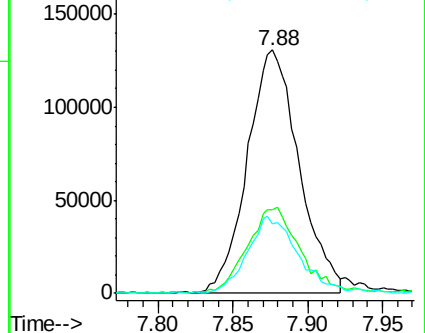
56 32.0 25.3 37.9



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.100 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.00 min

Lab File: VL037167.D

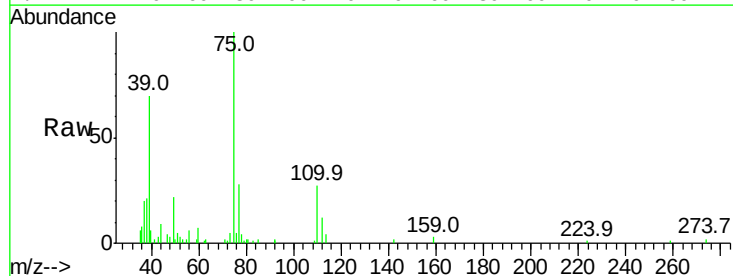
Acq: 16 Jun 2021 11:19

Tgt Ion: 75 Resp: 10847

Ion Ratio Lower Upper

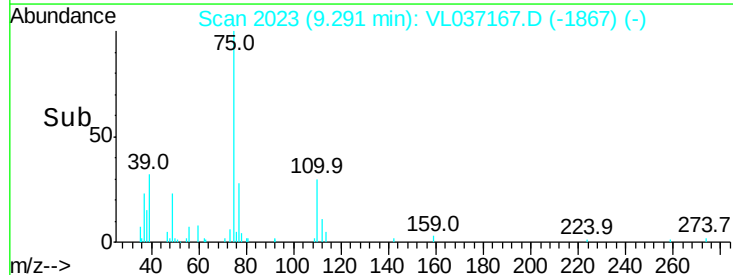
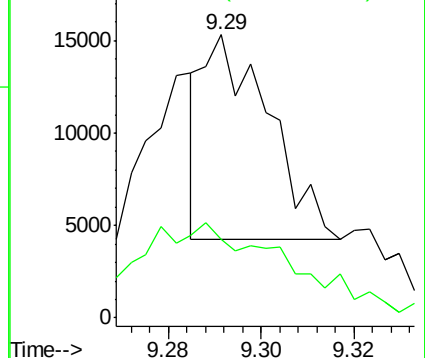
75 100

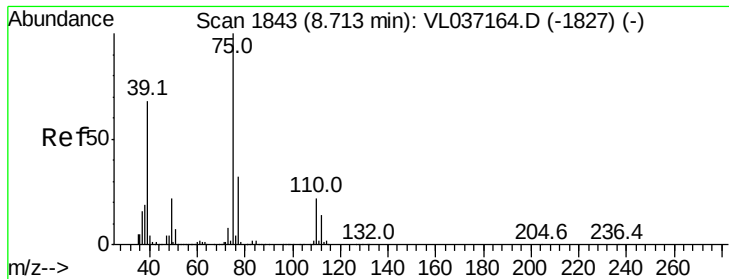
77 31.4 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



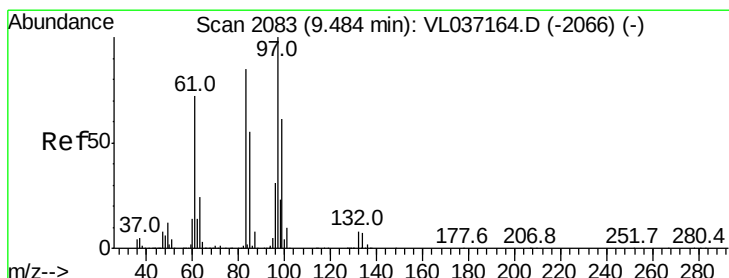
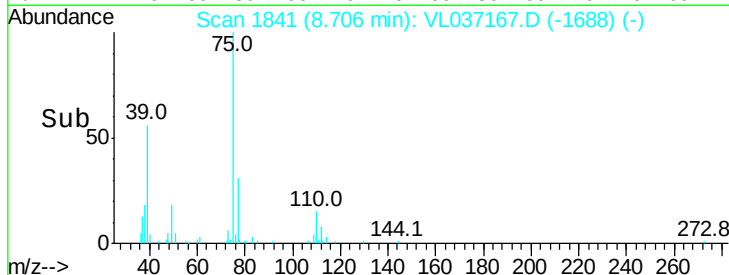
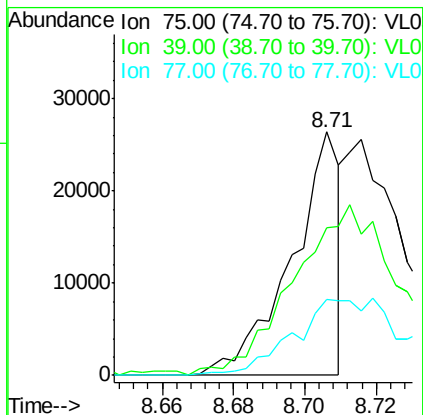
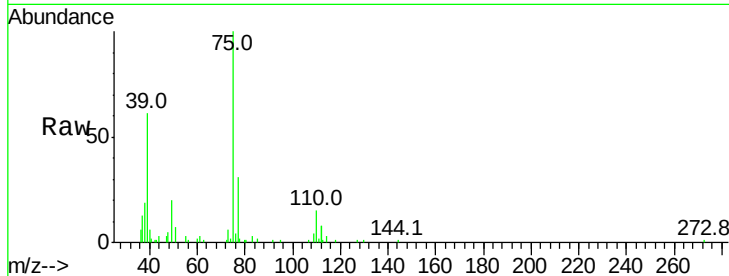


#46

cis-1,3-Dichloropropene
 Concen: 0.172 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

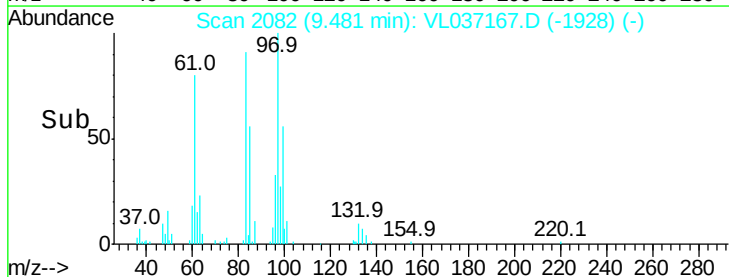
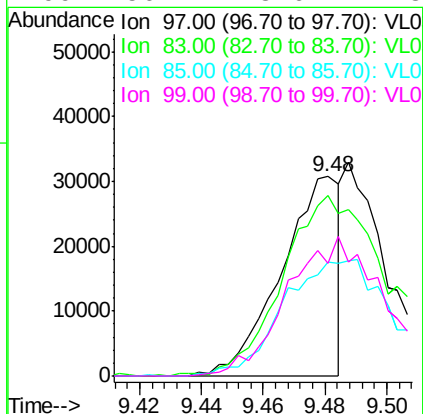
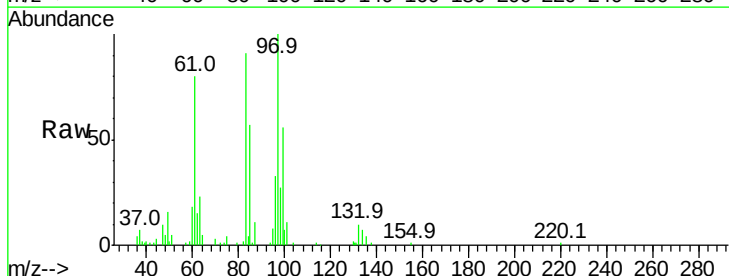
Tgt Ion: 75 Resp: 24855
 Ion Ratio Lower Upper
 75 100
 39 60.6 54.7 82.1
 77 31.3 25.8 38.8

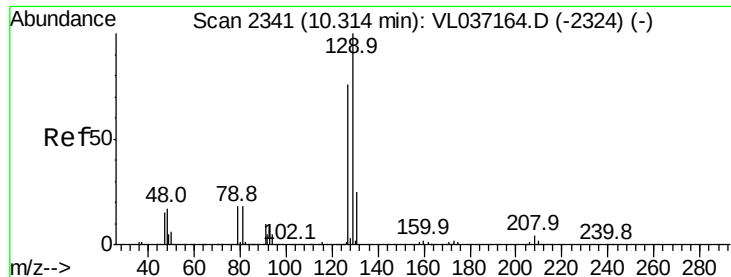


#47

1,1,2-Trichloroethane
 Concen: 0.265 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 97 Resp: 40159
 Ion Ratio Lower Upper
 97 100
 83 89.1 68.3 102.5
 85 57.1 44.1 66.1
 99 56.2 48.6 72.8





#48

Dibromochloromethane

Concen: 0.407 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

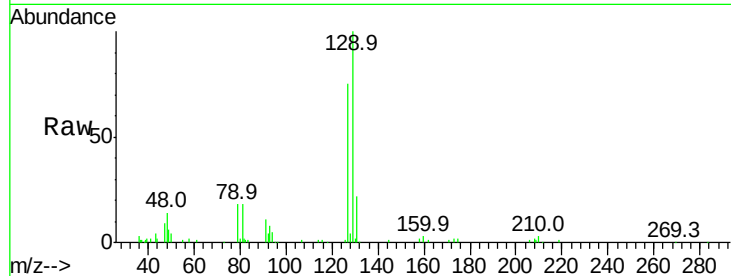
BFB

Tgt Ion:129 Resp: 99454

Ion Ratio Lower Upper

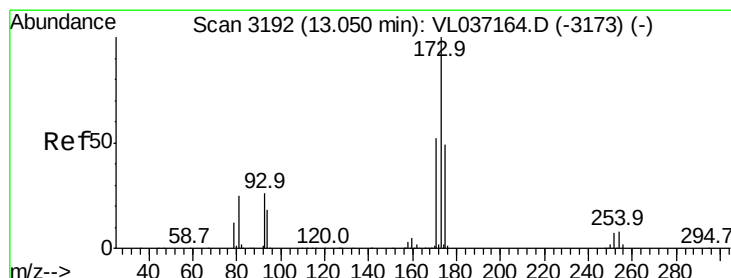
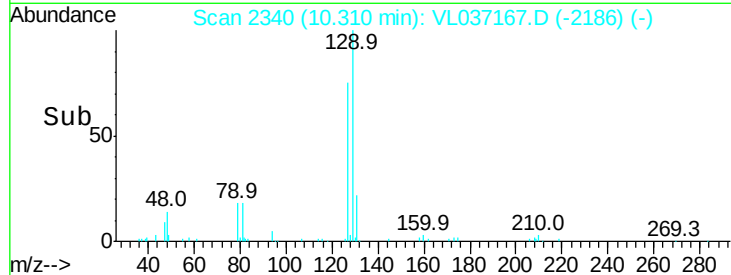
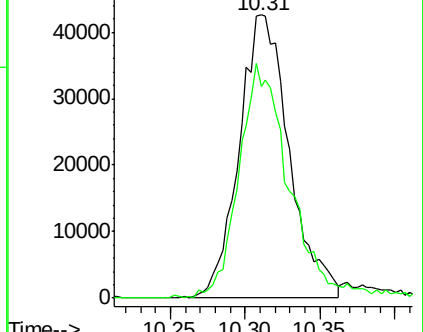
129 100

127 85.0 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.300 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

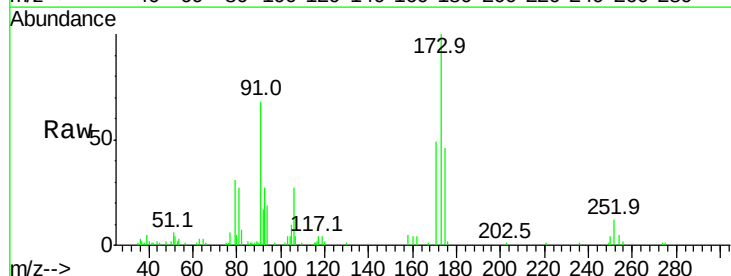
Tgt Ion:173 Resp: 57264

Ion Ratio Lower Upper

173 100

175 58.3 40.2 60.4

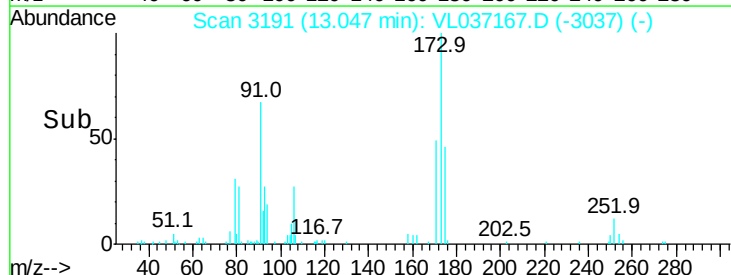
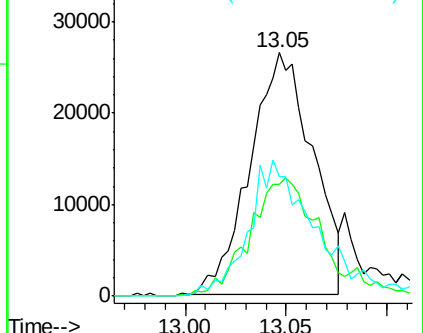
171 63.8 41.8 62.8#

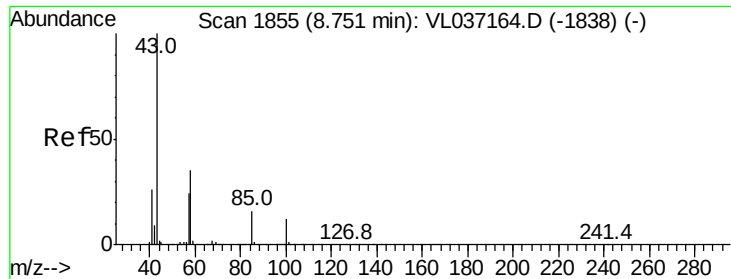


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

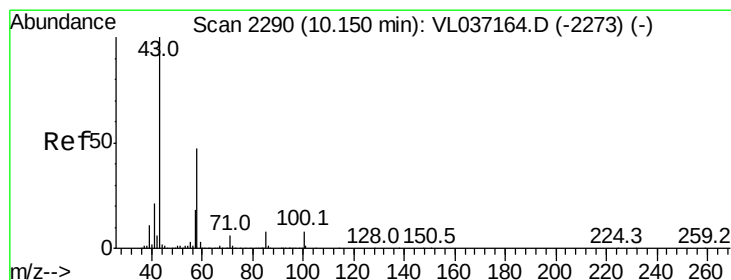
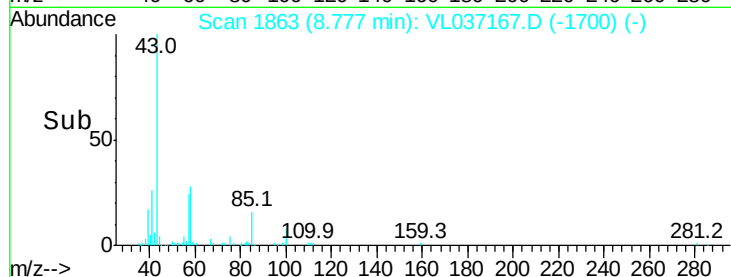
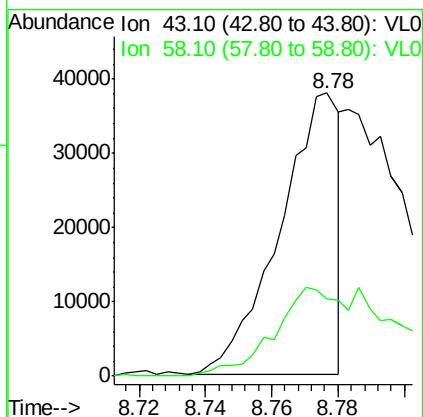
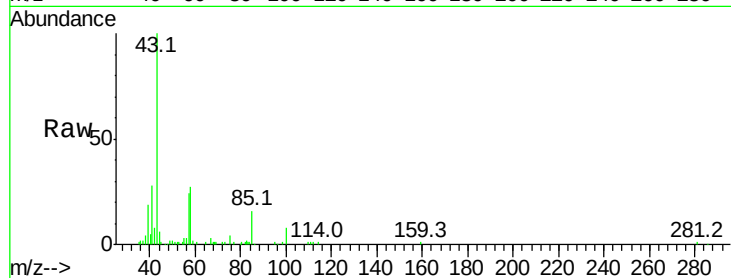




#50
 4-Methyl-2-Pentanone
 Concen: 0.196 ppbv
 RT: 8.78 min Scan# 1863
 Delta R.T. 0.03 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

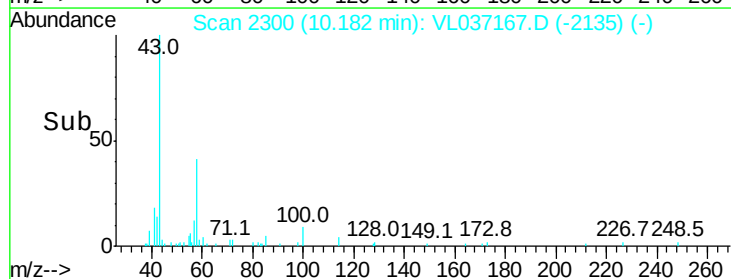
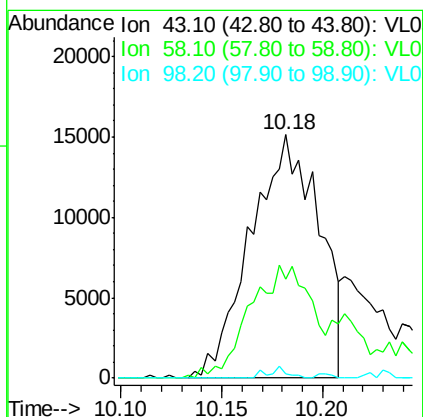
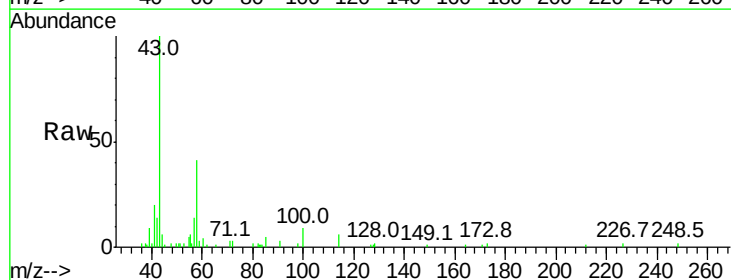
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

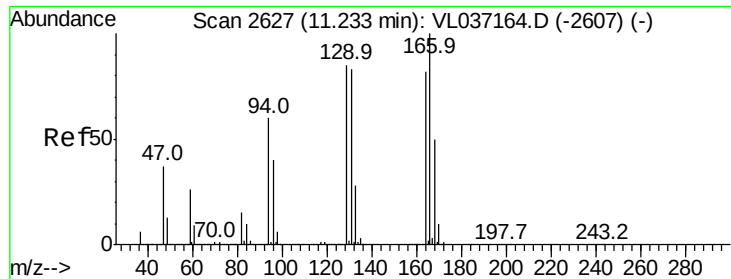
Tgt Ion: 43 Resp: 47789
 Ion Ratio Lower Upper
 43 100
 58 82.3 28.4 42.6#



#51
 2-Hexanone
 Concen: 0.292 ppbv
 RT: 10.18 min Scan# 2300
 Delta R.T. 0.03 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 43 Resp: 35575
 Ion Ratio Lower Upper
 43 100
 58 66.9 38.4 57.6#
 98 1.2 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.364 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion:164 Resp: 52686

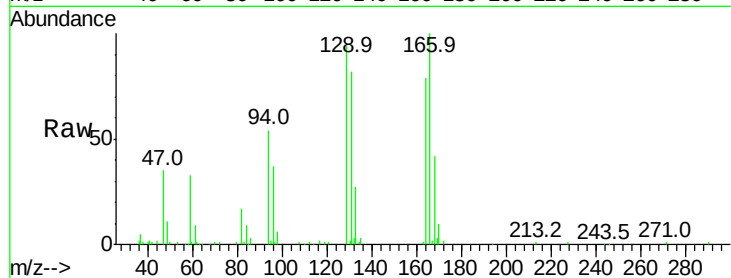
Ion Ratio Lower Upper

164 100

166 126.4 97.6 146.4

129 115.9 82.9 124.3

131 103.0 80.6 120.8

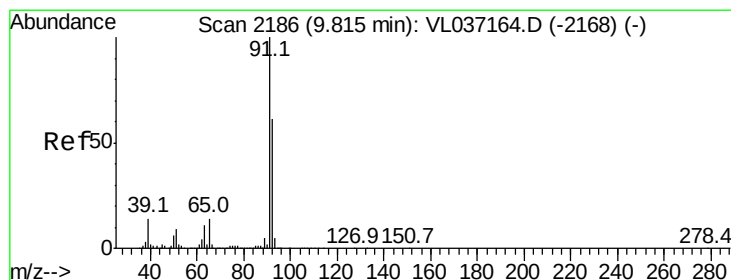
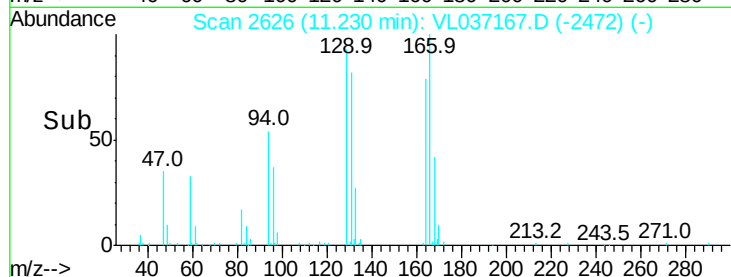
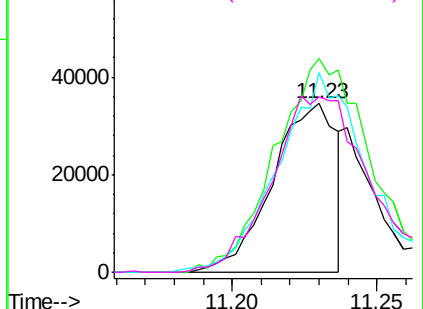


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.519 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037167.D

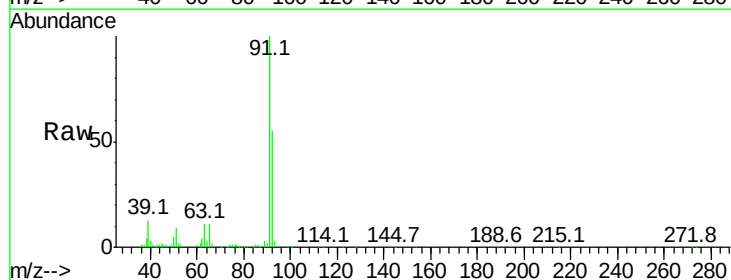
Acq: 16 Jun 2021 11:19

Tgt Ion: 91 Resp: 216200

Ion Ratio Lower Upper

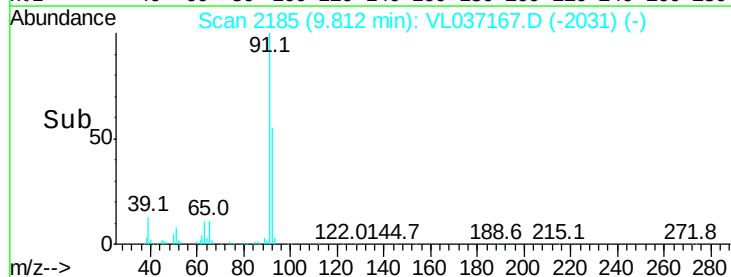
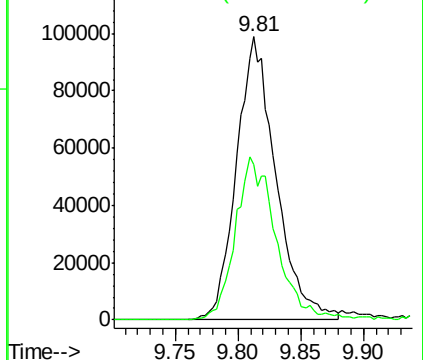
91 100

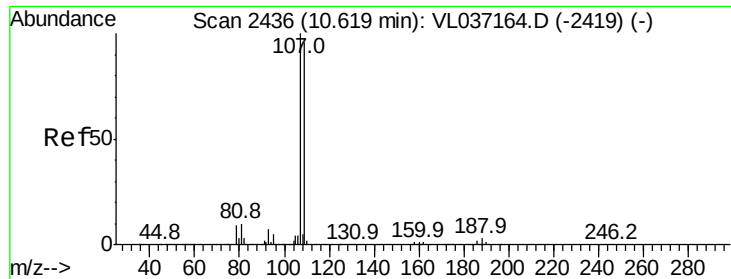
92 59.6 48.3 72.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.269 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

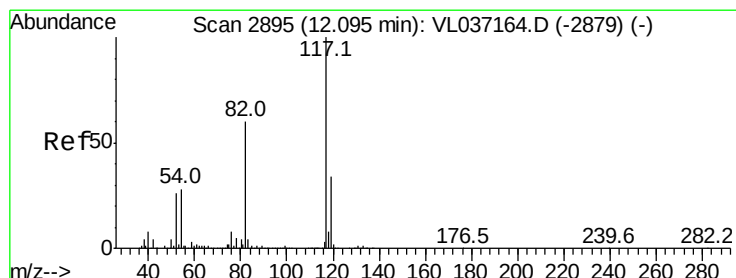
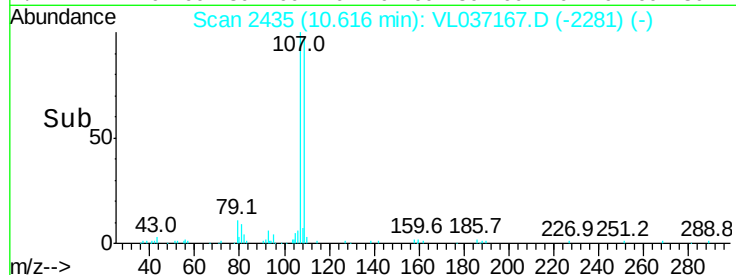
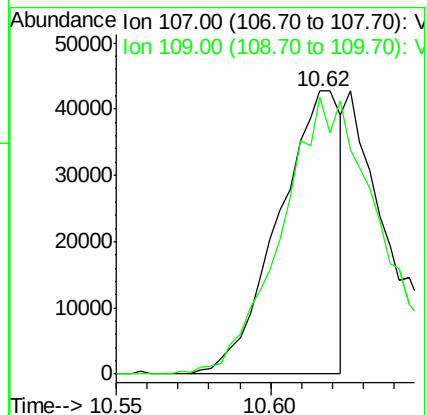
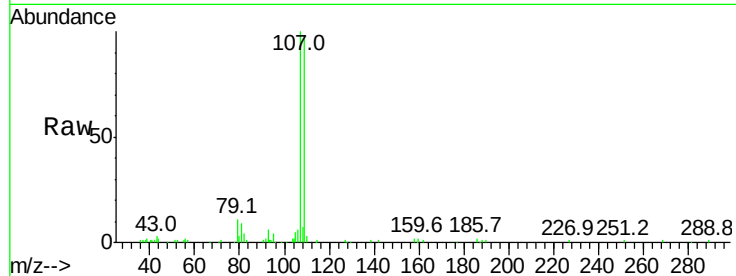
BFB

Tgt Ion:107 Resp: 59658

Ion Ratio Lower Upper

107 100

109 97.2 77.0 115.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

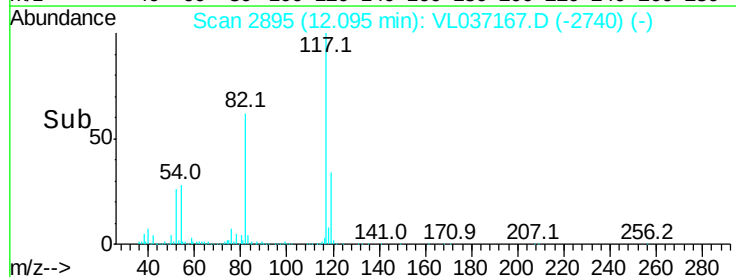
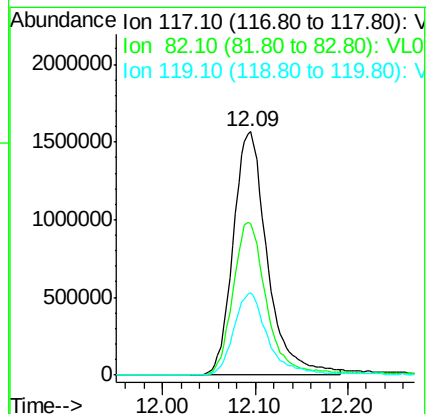
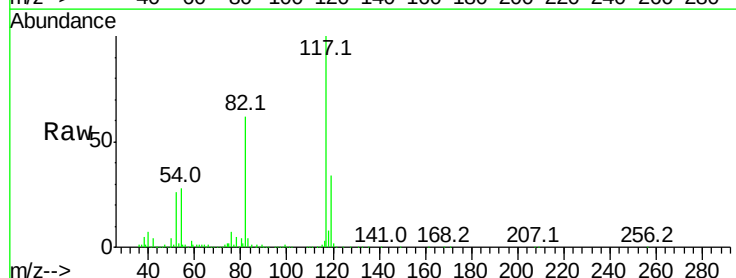
Tgt Ion:117 Resp: 4007988

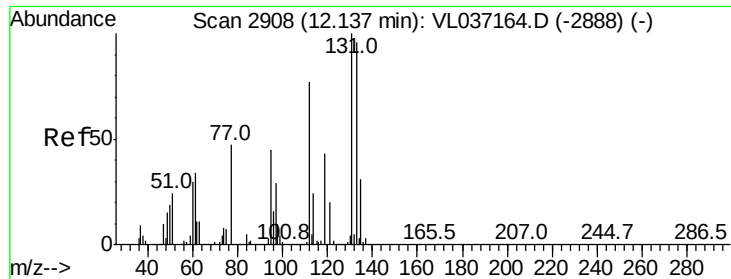
Ion Ratio Lower Upper

117 100

82 63.4 51.7 77.5

119 34.4 47.6 71.4#

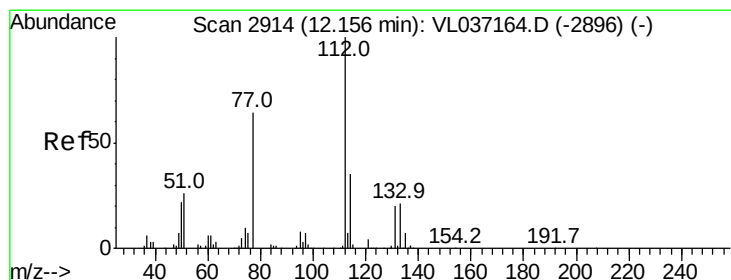
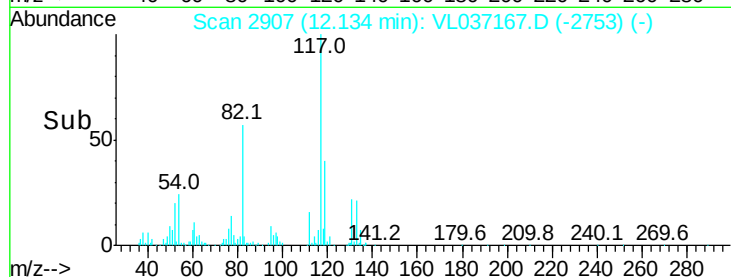
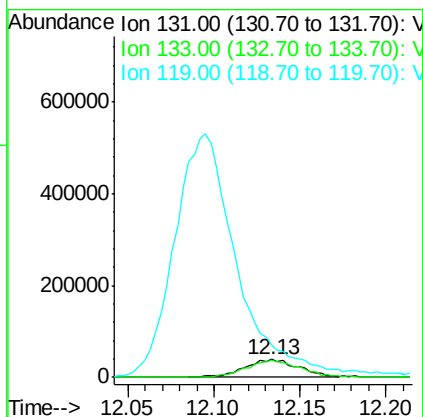
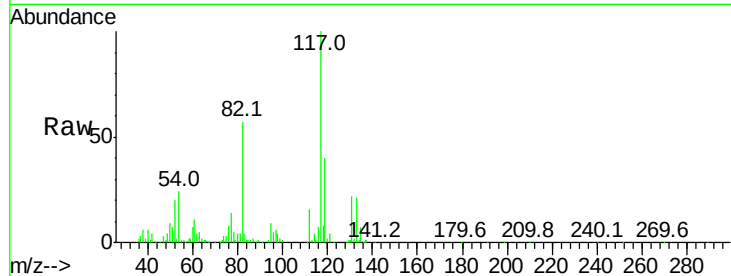




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.489 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

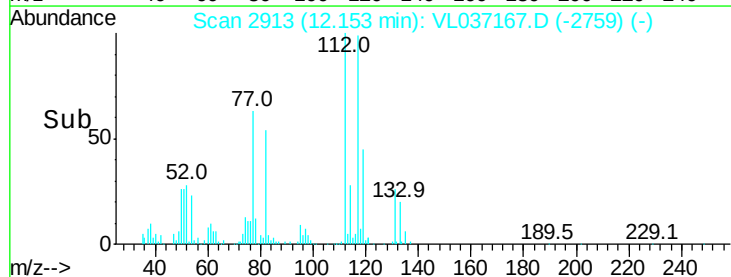
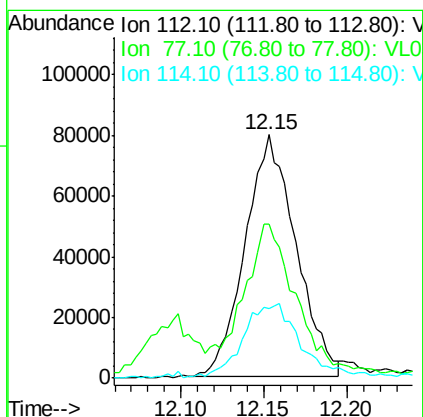
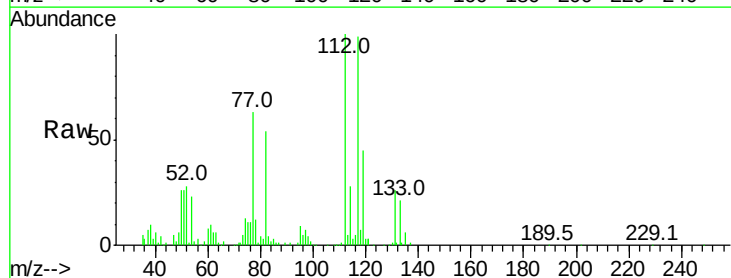
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

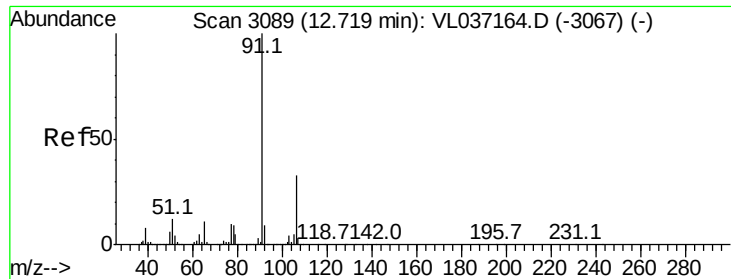
Tgt Ion:131 Resp: 85397
 Ion Ratio Lower Upper
 131 100
 133 98.9 76.5 114.7
 119 1615.3 48.6 72.8#



#57
 Chlorobenzene
 Concen: 0.529 ppbv
 RT: 12.15 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion:112 Resp: 169958
 Ion Ratio Lower Upper
 112 100
 77 57.7 52.2 78.4
 114 27.8 31.1 38.1#





#58

Ethyl Benzene

Concen: 0.506 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampled :

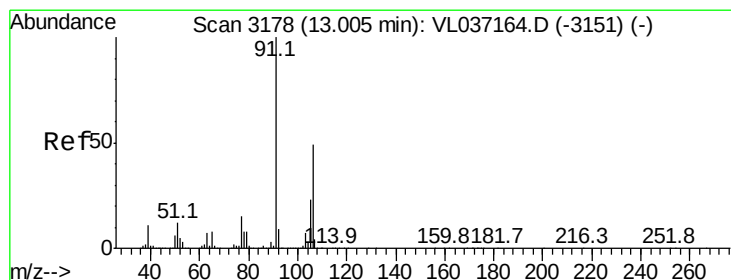
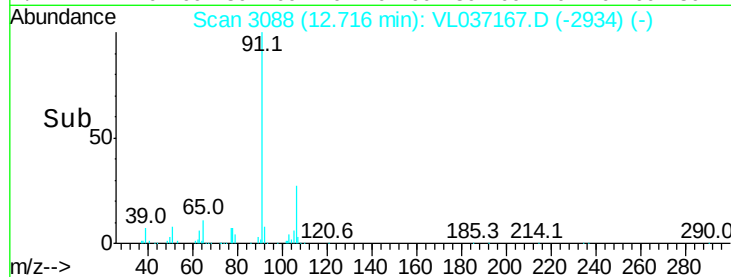
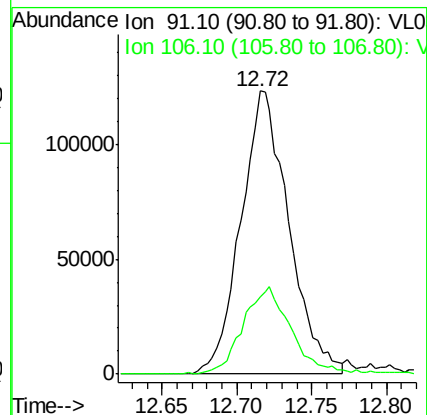
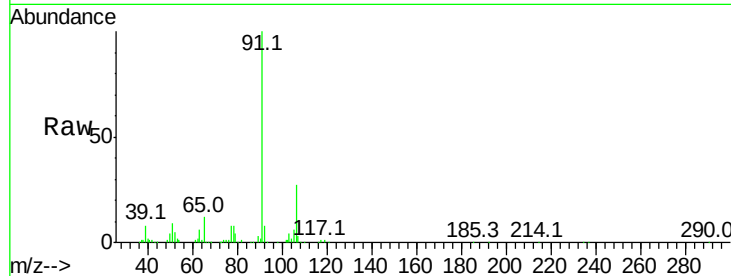
BFB

Tgt Ion: 91 Resp: 274713

Ion Ratio Lower Upper

91 100

106 27.4 26.3 39.5



#59

m/p-Xylene

Concen: 0.292 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VL037167.D

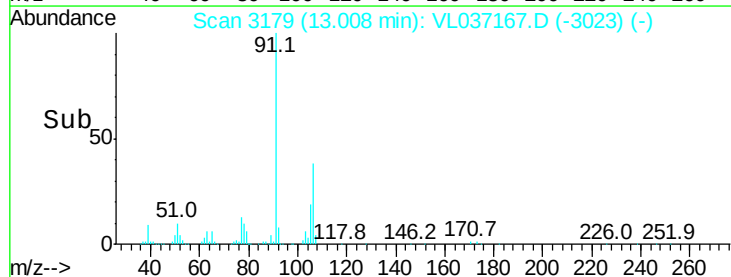
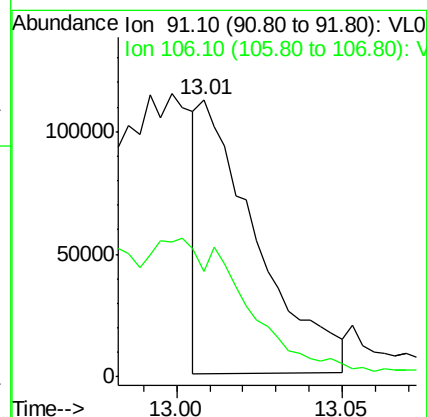
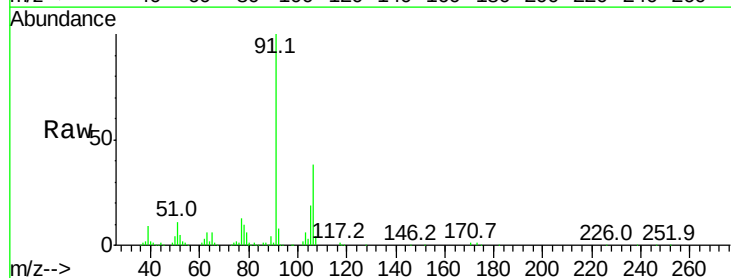
Acq: 16 Jun 2021 11:19

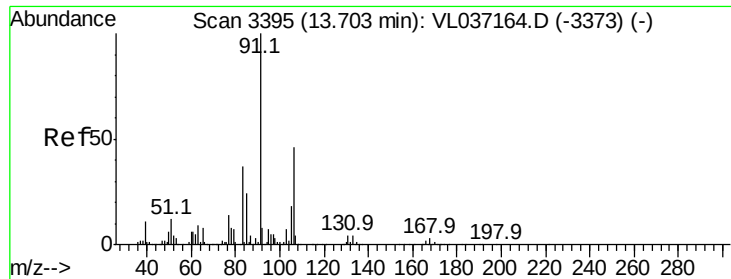
Tgt Ion: 91 Resp: 134772

Ion Ratio Lower Upper

91 100

106 0.0 37.0 55.4#

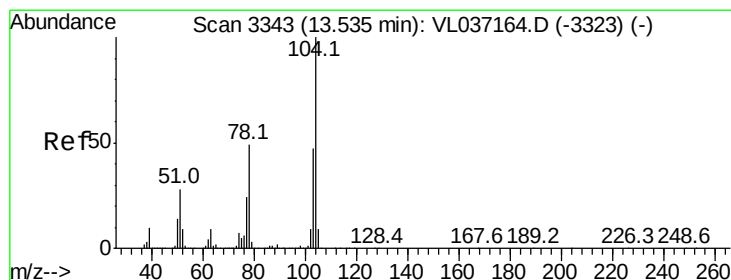
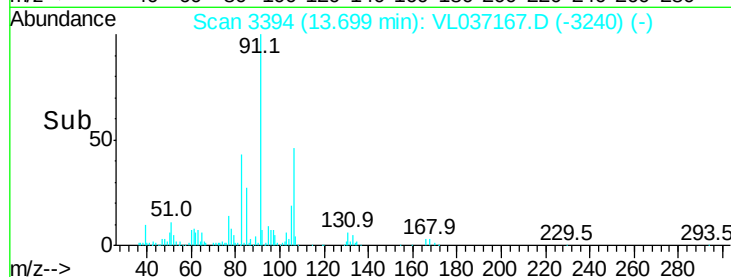
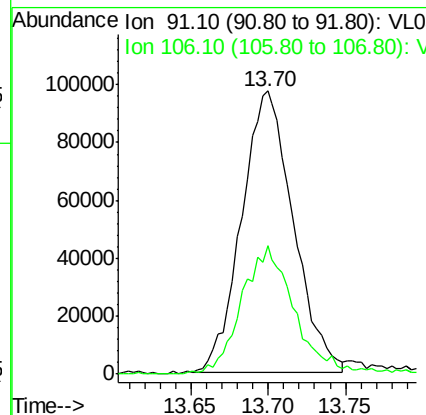
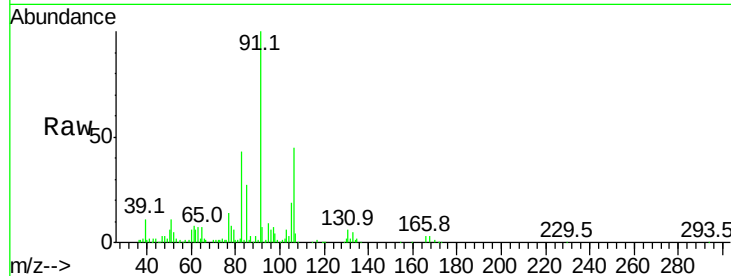




#60
o-Xylene
Concen: 0.508 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

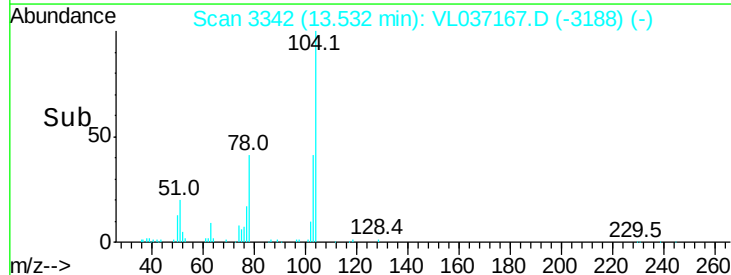
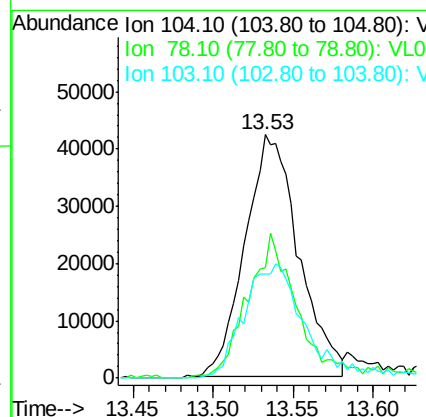
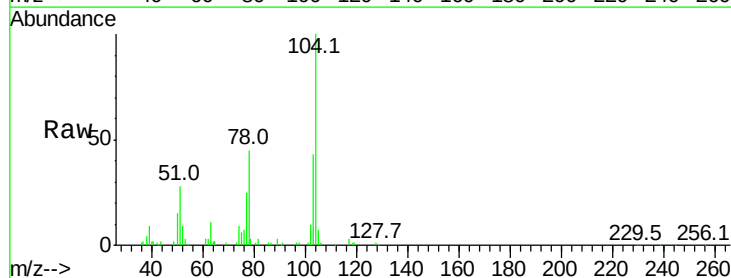
Instrument :
MSVOA_L
ClientSampled :
BFB

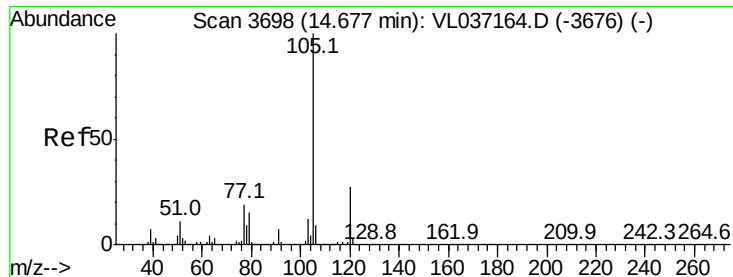
Tgt Ion: 91 Resp: 224863
Ion Ratio Lower Upper
91 100
106 46.9 23.0 69.0



#61
Styrene
Concen: 0.418 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion: 104 Resp: 97641
Ion Ratio Lower Upper
104 100
78 54.5 39.7 59.5
103 55.1 37.6 56.4





#62

Isopropylbenzene

Concen: 0.539 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

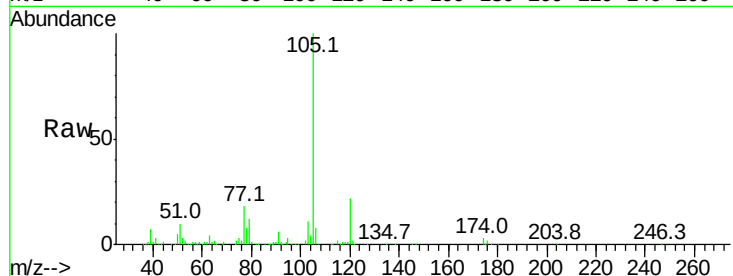
BFB

Tgt Ion: 105 Resp: 340628

Ion Ratio Lower Upper

105 100

120 25.7 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.68

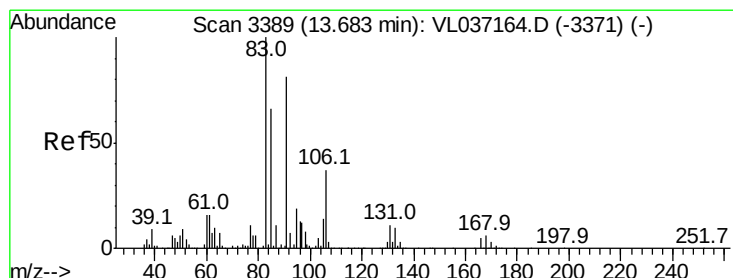
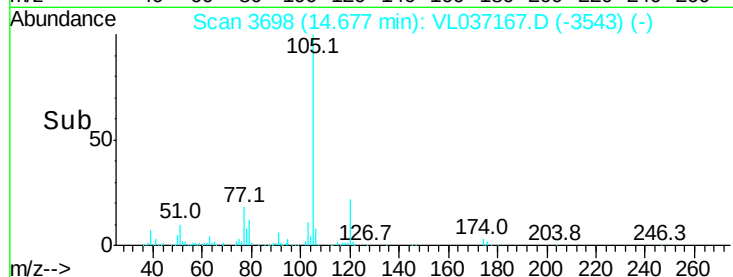
150000

100000

50000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.508 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

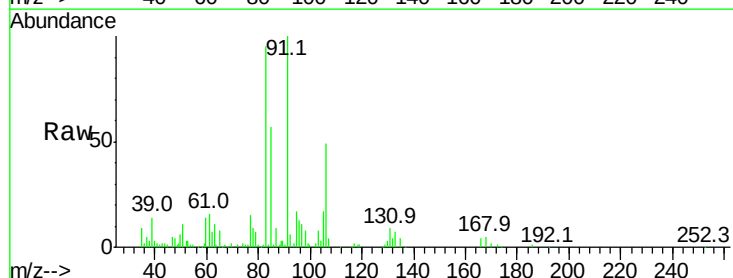
Tgt Ion: 83 Resp: 146305

Ion Ratio Lower Upper

83 100

131 12.3 5.4 16.2

85 71.6 33.1 99.2



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

13.69

80000

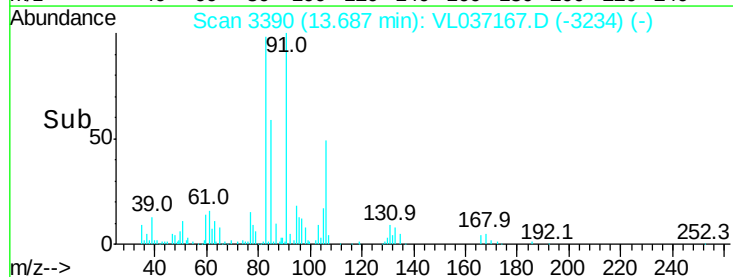
60000

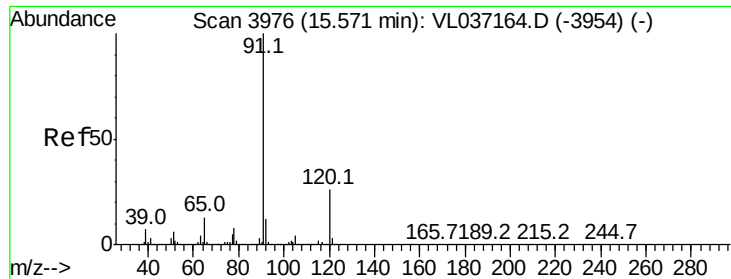
40000

20000

0

Time-->

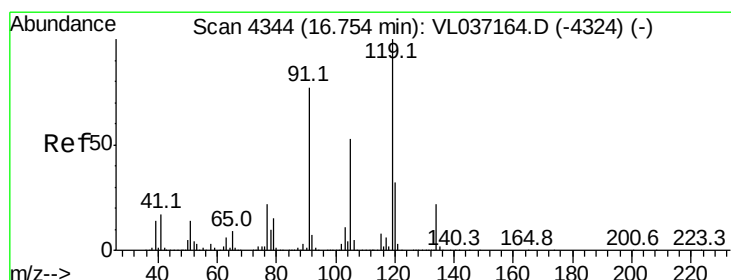
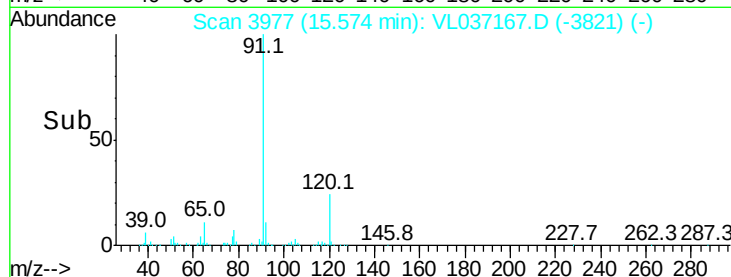
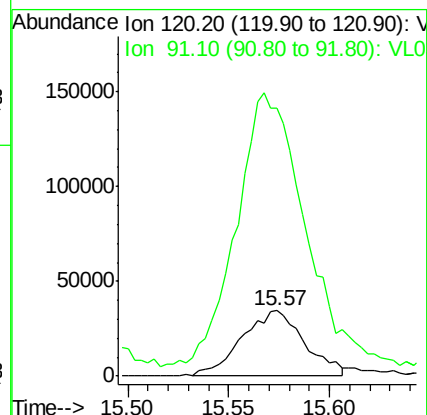
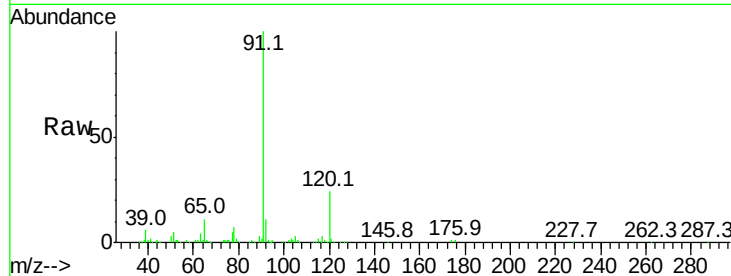




#64
n-propylbenzene
Concen: 0.465 ppbv
RT: 15.57 min Scan# 3977
Delta R.T. 0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

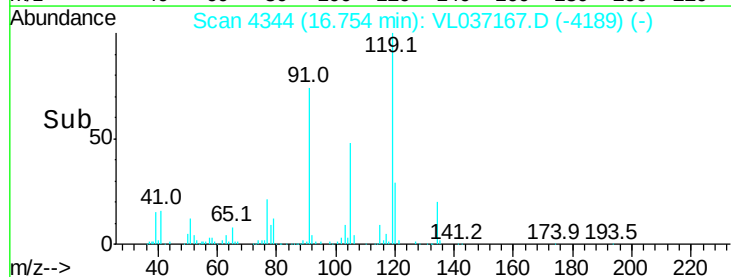
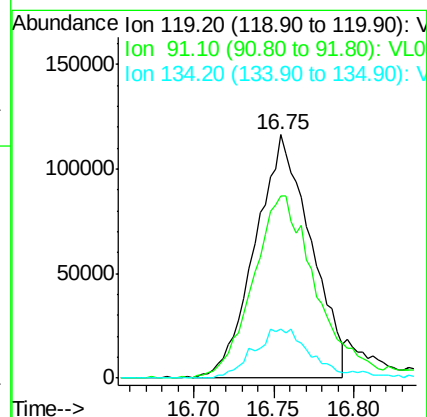
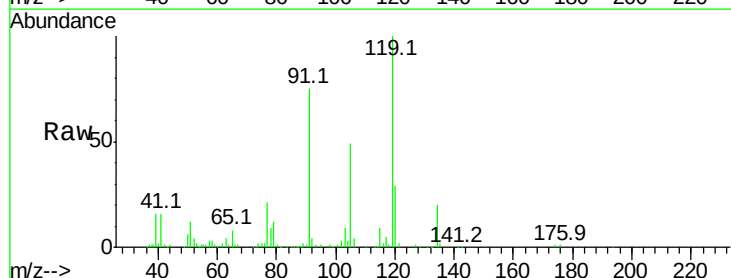
Instrument :
MSVOA_L
ClientSampleId :
BFB

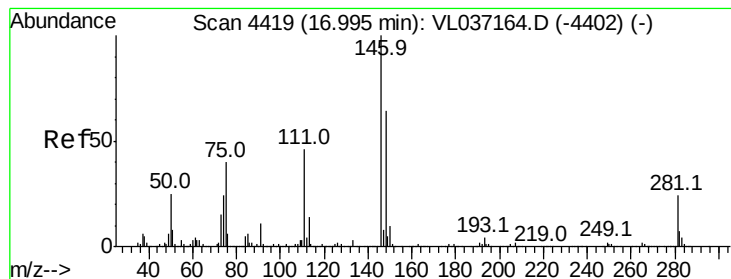
Tgt Ion:120 Resp: 74840
Ion Ratio Lower Upper
120 100
91 513.2 343.3 514.9



#65
tert-Butylbenzene
Concen: 0.489 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion:119 Resp: 279804
Ion Ratio Lower Upper
119 100
91 88.4 62.6 93.8
134 21.8 16.2 24.4





#66

Benzyl Chloride

Concen: 0.122 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

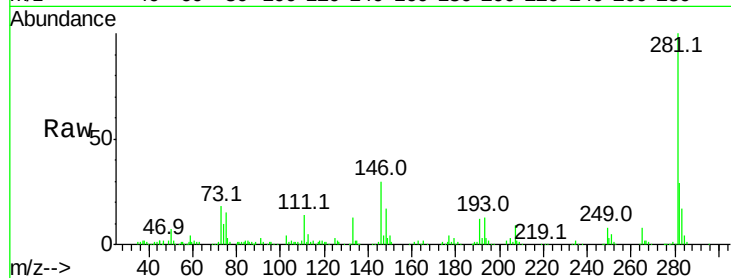
Tgt Ion: 91 Resp: 3042

Ion Ratio Lower Upper

91 100

126 151.9 15.5 23.3#

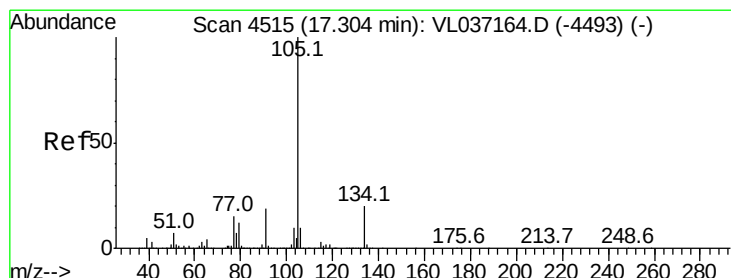
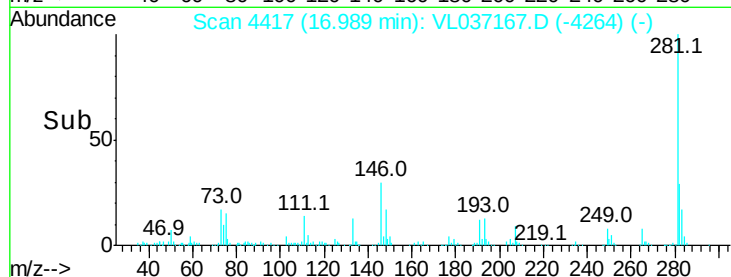
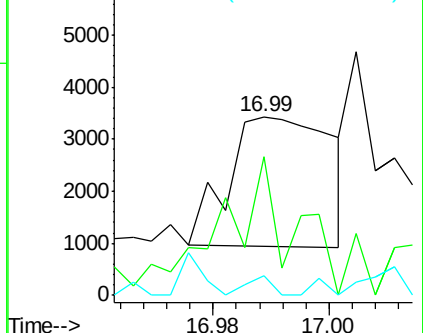
128 14.3 5.7 8.5#



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: 0.518 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL037167.D

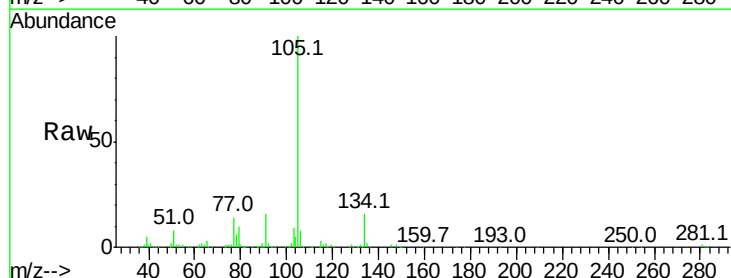
Acq: 16 Jun 2021 11:19

Tgt Ion: 105 Resp: 393606

Ion Ratio Lower Upper

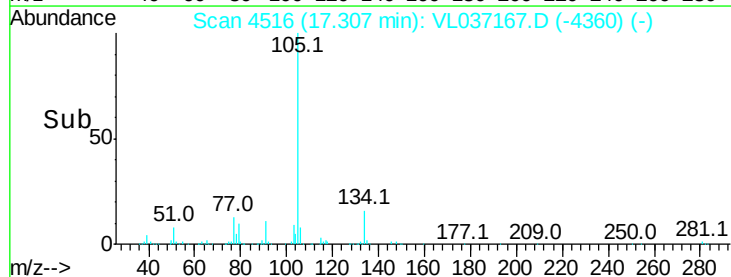
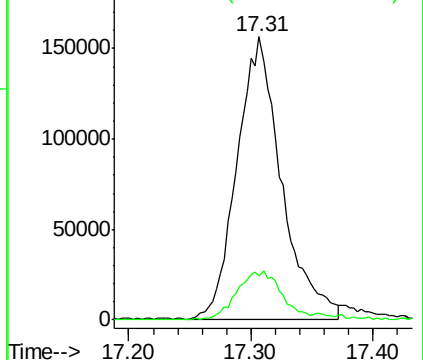
105 100

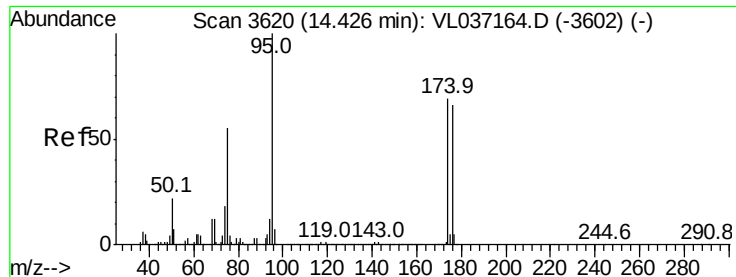
134 18.9 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

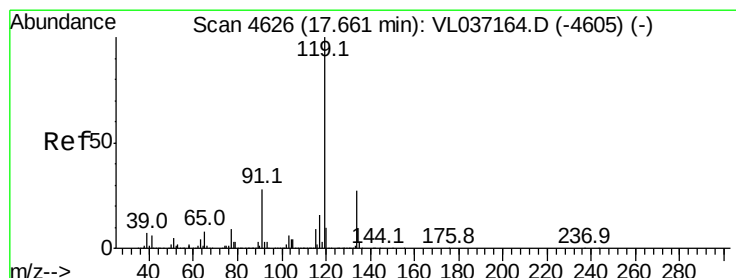
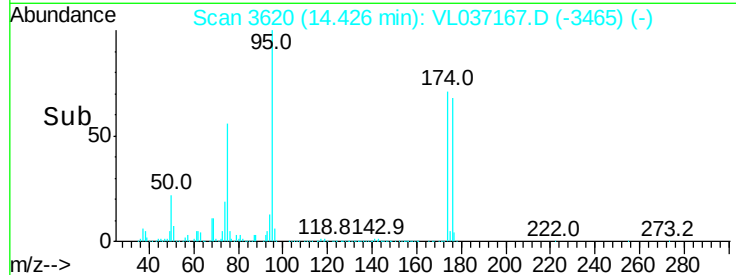
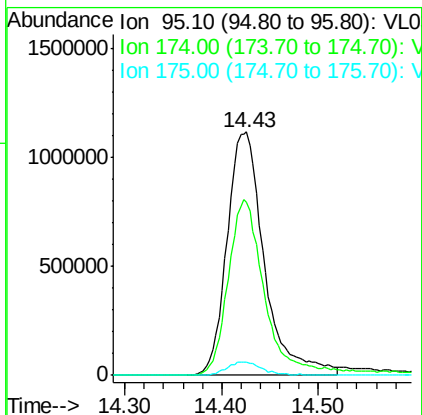
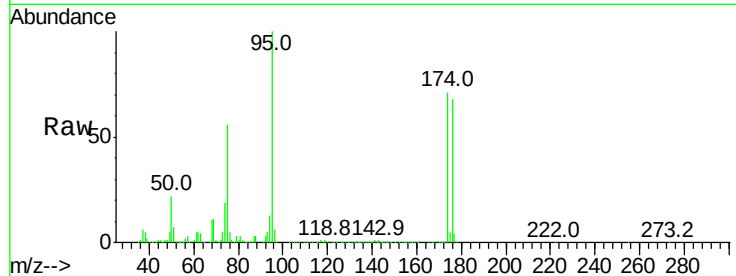




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.141 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

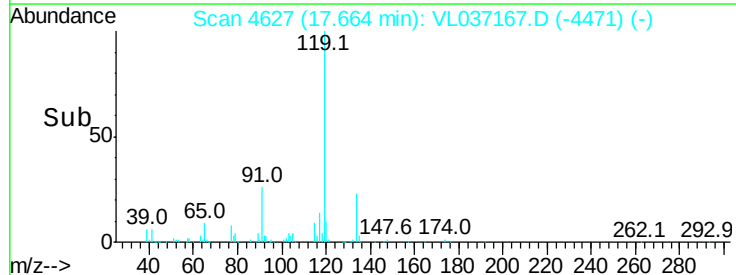
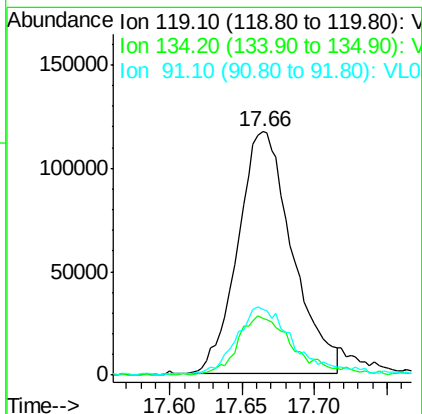
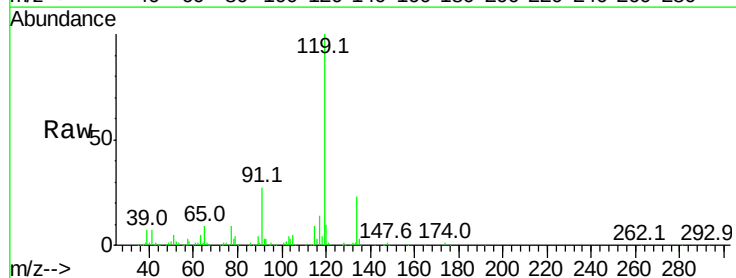
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

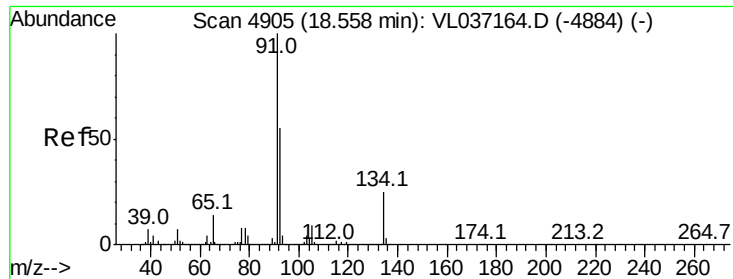
Tgt Ion: 95 Resp: 2993828
 Ion Ratio Lower Upper
 95 100
 174 73.4 57.0 85.4
 175 5.5 4.4 6.6



#69
 p-Isopropyltoluene
 Concen: 0.481 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 119 Resp: 305714
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.9 31.3
 91 30.1 22.6 34.0

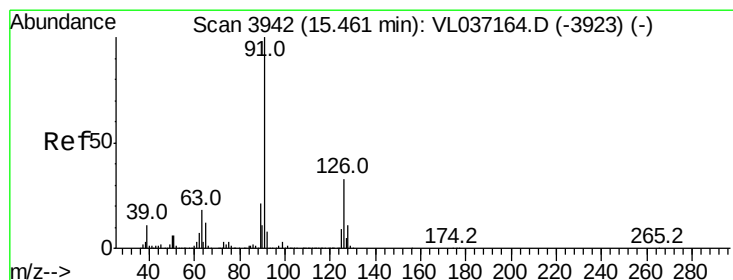
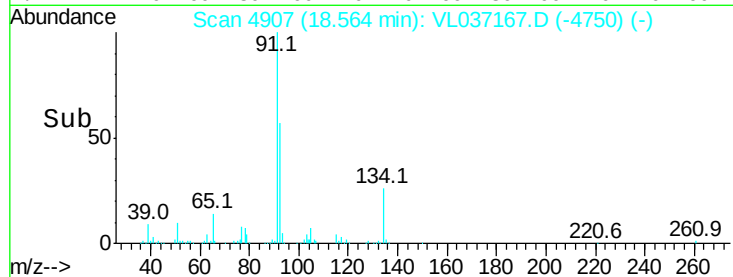
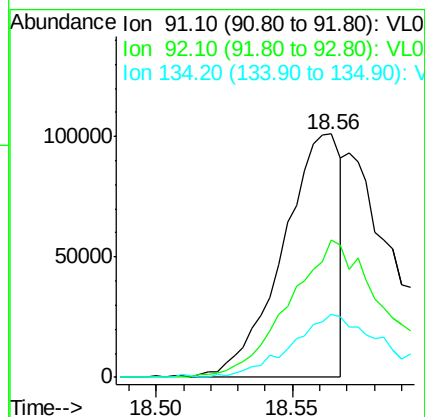
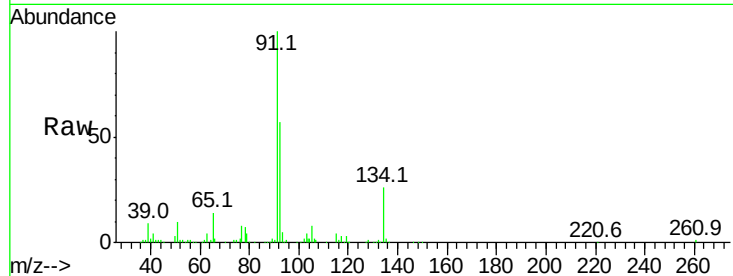




#70
n-Butylbenzene
Concen: 0.254 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. 0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

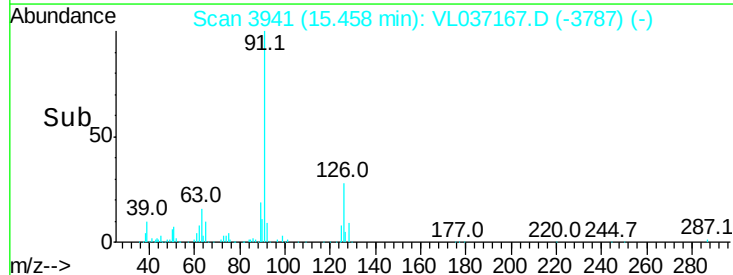
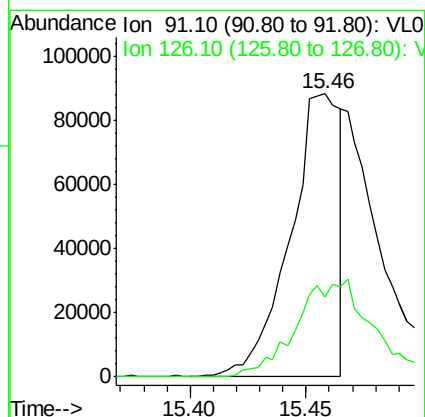
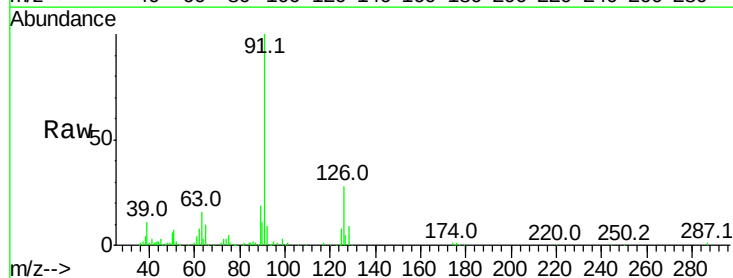
Instrument :
MSVOA_L
ClientSampleId :
BFB

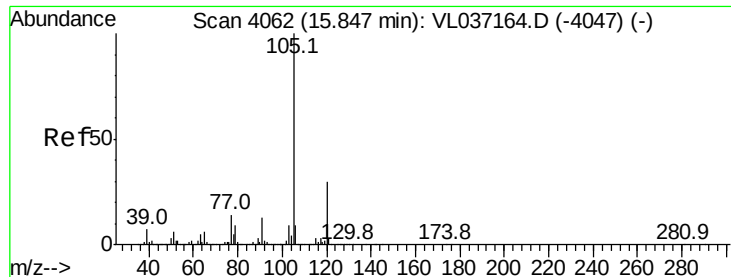
Tgt Ion: 91 Resp: 147855
Ion Ratio Lower Upper
91 100
92 98.5 44.0 66.0#
134 45.9 20.2 30.4#



#71
2-Chlorotoluene
Concen: 0.292 ppbv
RT: 15.46 min Scan# 3941
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion: 91 Resp: 131667
Ion Ratio Lower Upper
91 100
126 56.2 13.5 54.1#





#72

4-Ethyltoluene

Concen: 0.480 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion:105 Resp: 246776

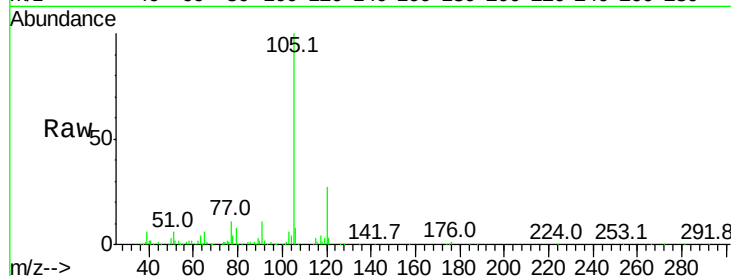
Ion Ratio Lower Upper

105 100

120 31.4 24.7 37.1

91 12.9 10.2 15.4

77 14.3 11.0 16.6

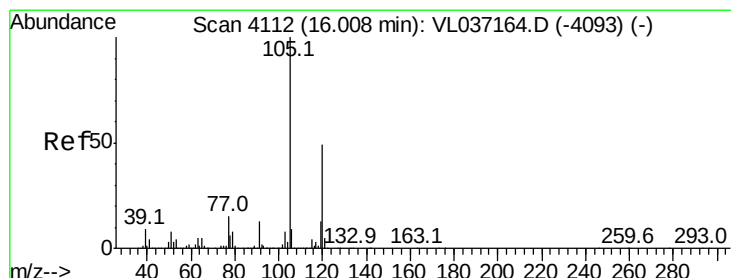
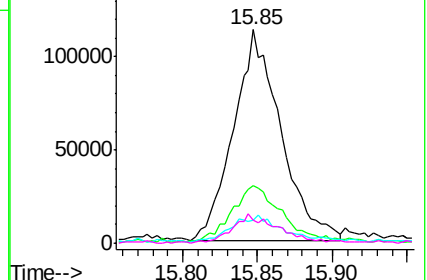
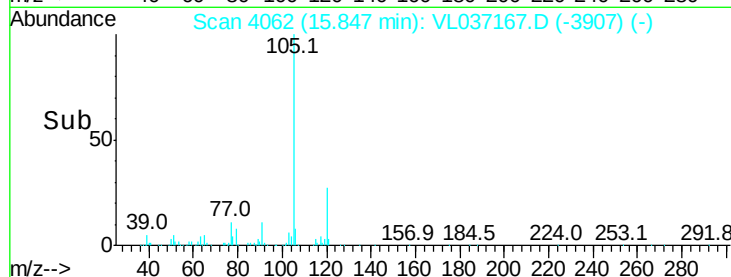


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.247 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL037167.D

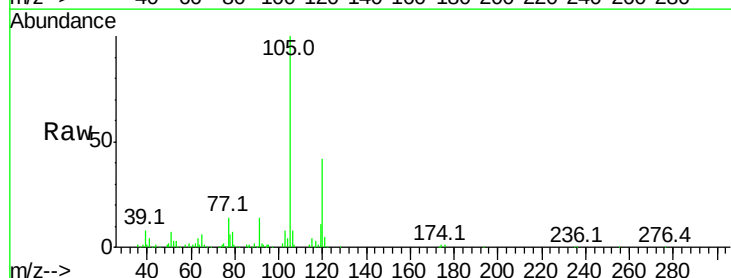
Acq: 16 Jun 2021 11:19

Tgt Ion:105 Resp: 120614

Ion Ratio Lower Upper

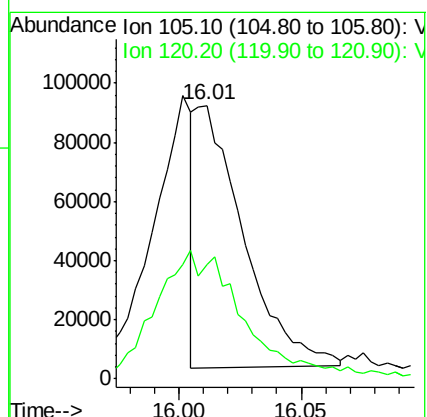
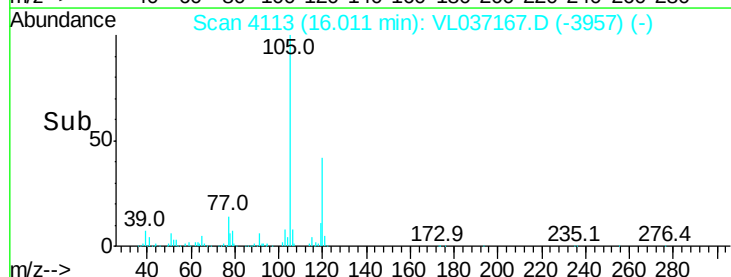
105 100

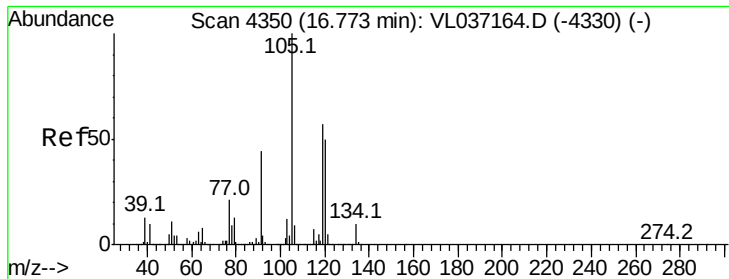
120 40.5 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.254 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion:105 Resp: 126205

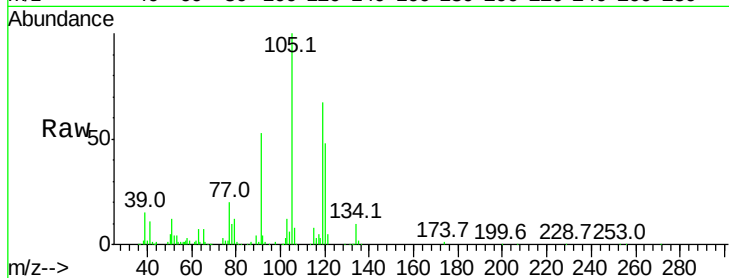
Ion Ratio Lower Upper

105 100

120 45.2 39.8 59.8

91 54.8 37.0 55.4

77 19.9 17.0 25.4

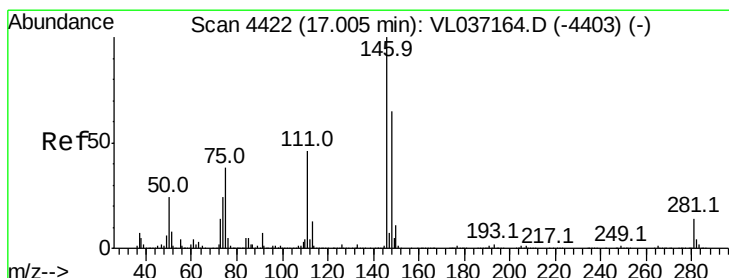
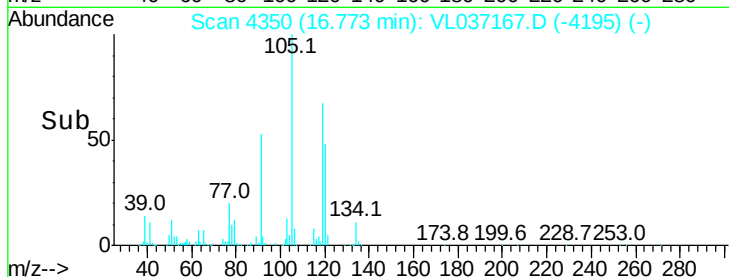
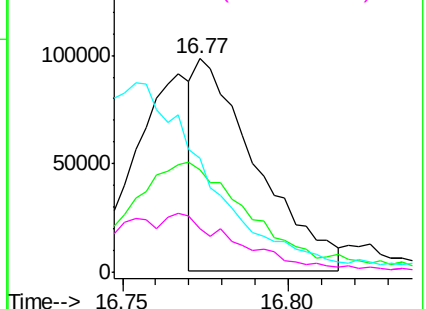


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.287 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

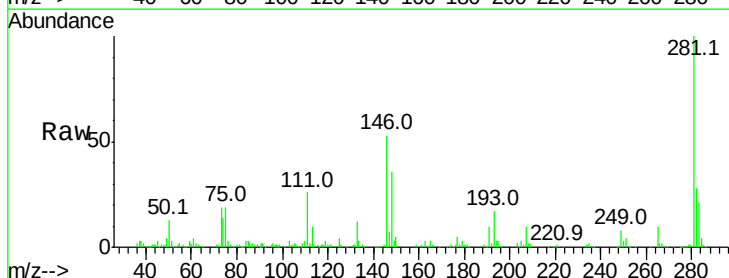
Tgt Ion:146 Resp: 87655

Ion Ratio Lower Upper

146 100

111 82.8 22.2 66.6#

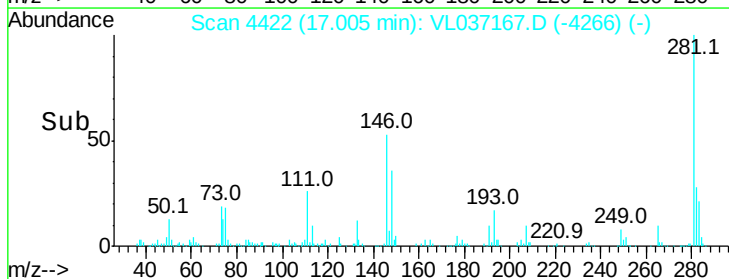
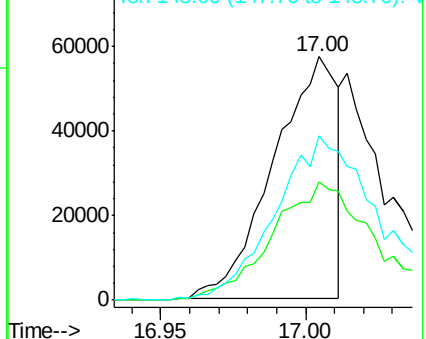
148 119.0 32.4 97.2#

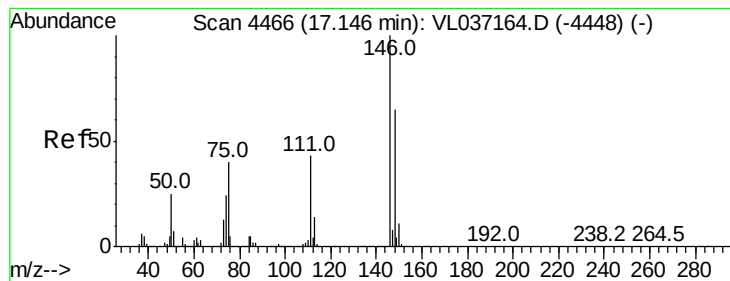


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.193 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampled :

BFB

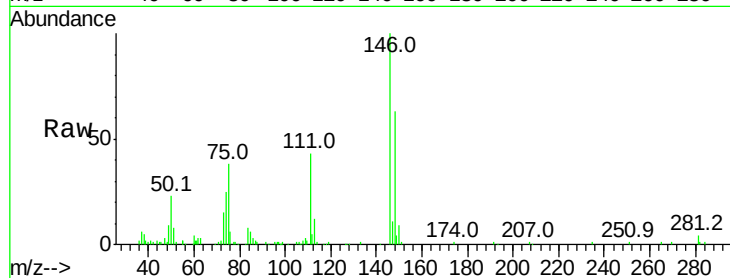
Tgt Ion:146 Resp: 58660

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.0#

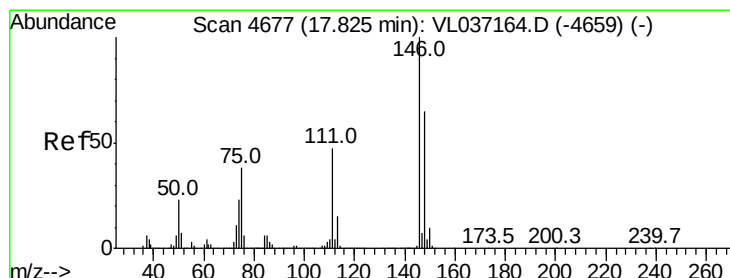
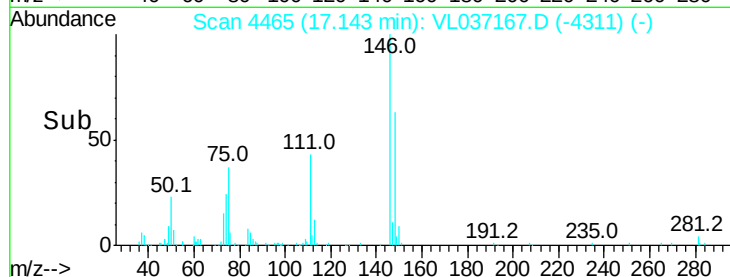
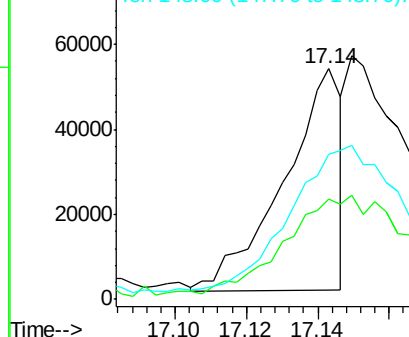
148 0.0 33.7 101.1#



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: 0.474 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

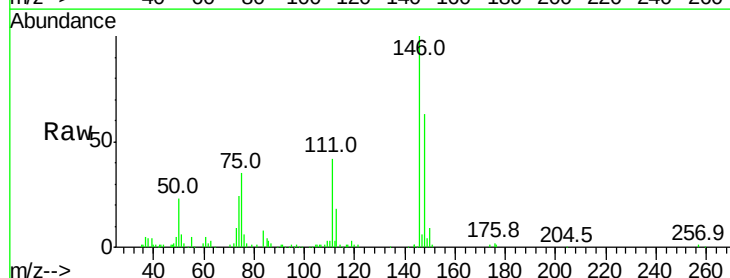
Tgt Ion:146 Resp: 143032

Ion Ratio Lower Upper

146 100

111 50.9 23.3 69.8

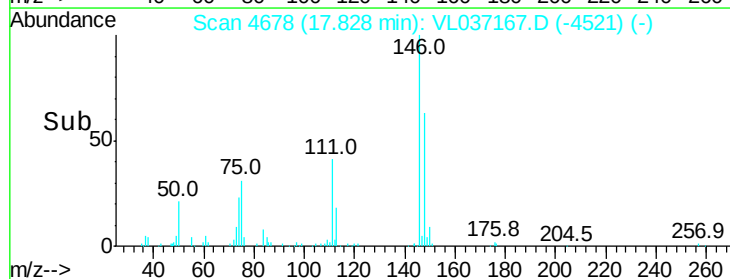
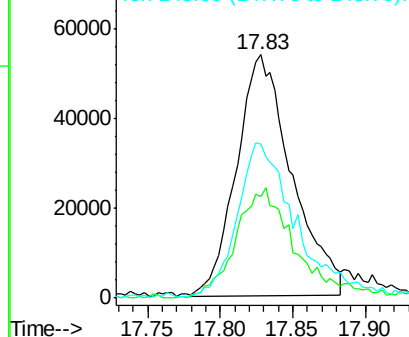
148 67.5 32.4 97.0

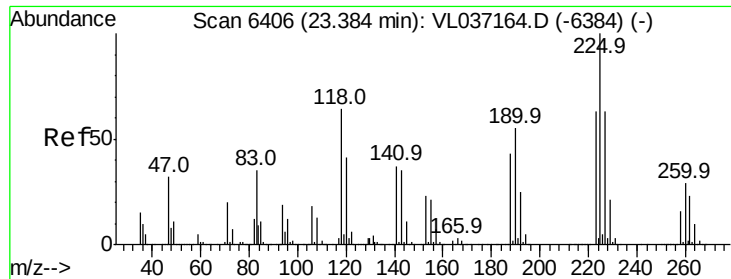


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.351 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

BFB

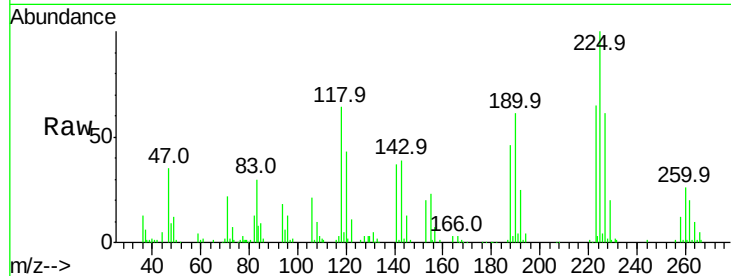
Tgt Ion:225 Resp: 75077

Ion Ratio Lower Upper

225 100

223 0.0 51.8 77.8#

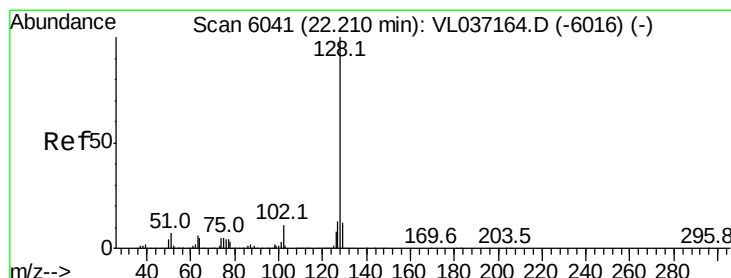
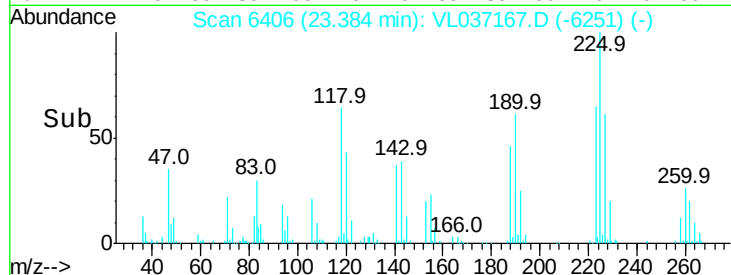
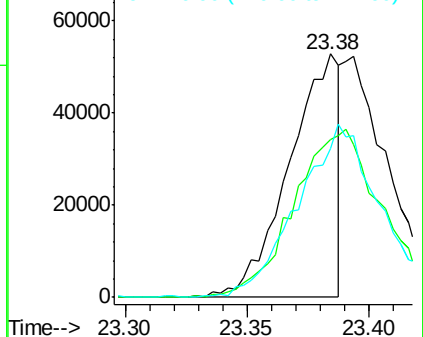
227 0.0 51.4 77.0#



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: 0.473 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

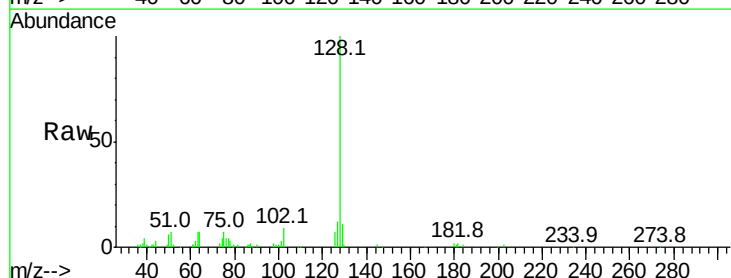
Tgt Ion:128 Resp: 141306

Ion Ratio Lower Upper

128 100

127 11.5 10.7 16.1

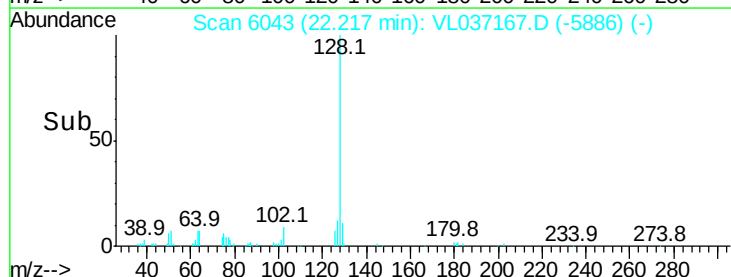
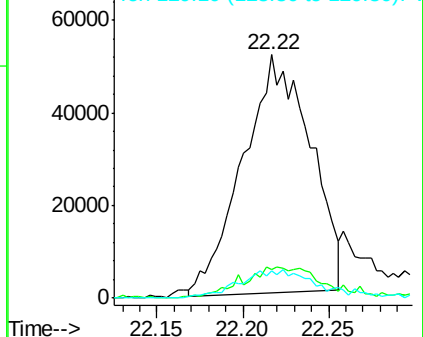
129 10.6 9.3 13.9

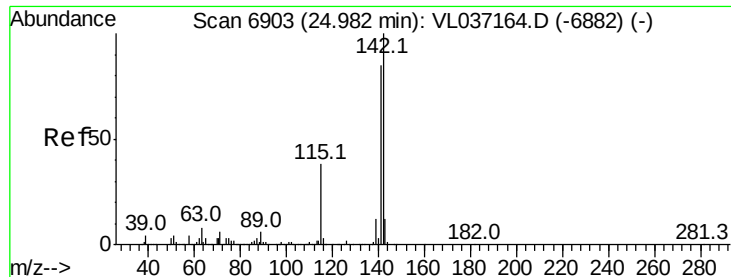


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

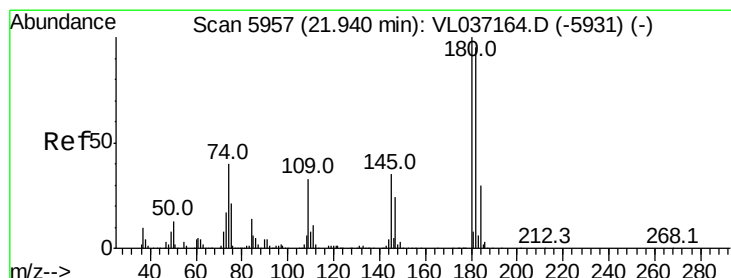
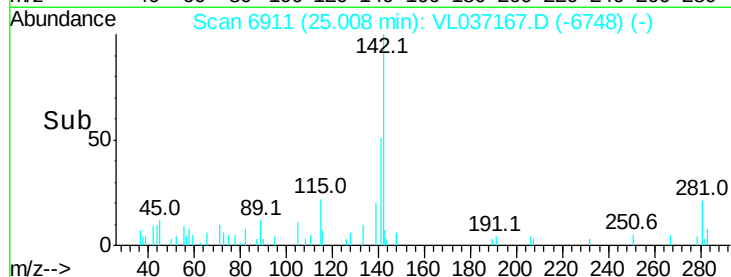
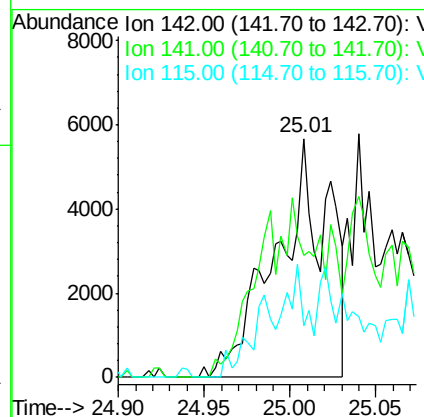
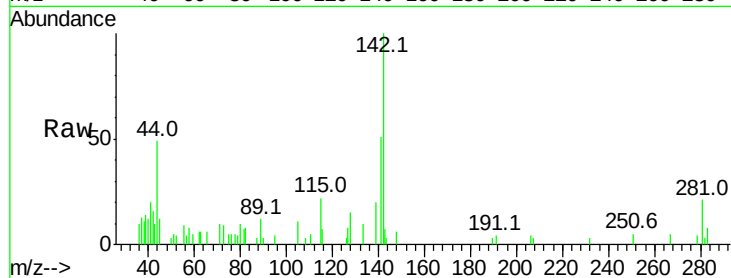




#80
 Naphthalene, 2-methyl-
 Concen: 0.166 ppbv
 RT: 25.01 min Scan# 6911
 Delta R.T. 0.03 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	63.7	95.5
115	63.4	30.6	45.8#



#81
 1,2,4-Trichlorobenzene
 Concen: 0.545 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	79.3	118.9
184	34.3	24.7	37.1

