

Data File : VL036095.D
Acq On : 8 Dec 2020 10:57
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Dec 08 12:11:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1233154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2662664	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3127207	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2134964	8.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1301082	9.054	ppbv	97
3) Chlorodifluoromethane	2.99	51	1491852	10.603	ppbv	100
4) Chloromethane	3.14	50	710605	10.287	ppbv	99
5) Vinyl Chloride	3.26	62	702167	9.137	ppbv	93
6) Bromomethane	3.48	94	384402	9.694	ppbv	86
7) Chloroethane	3.56	64	252154	9.632	ppbv #	88
8) Dichlorotetrafluoroethane	3.19	85	1615948	10.118	ppbv	91
9) Propene	3.01	41	692473	9.825	ppbv	99
10) Heptane	8.14	43	1783212	9.906	ppbv	100
11) Trichlorofluoromethane	3.96	101	1686401	9.981	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1072222	9.344	ppbv	96
13) Ethanol	3.62	45	106505	10.962	ppbv	96
14) Bromoethene	3.75	108	463908	9.855	ppbv	96
15) Acetone	3.86	43	1433855	9.675	ppbv	99
16) 1,3-Butadiene	3.33	39	720522	9.653	ppbv	99
17) tert-Butyl alcohol	4.30	59	1135868	7.912	ppbv	100
18) 1,1-Dichloroethene	4.29	96	471376	9.252	ppbv	97
19) Isopropyl Alcohol	3.98	45	847119	9.352	ppbv #	100
20) Methylene Chloride	4.35	84	432509	7.122	ppbv	98
21) Allyl Chloride	4.42	41	855634	8.683	ppbv	93
22) trans-1,2-Dichloroethene	4.90	96	477890	9.369	ppbv	98
23) Vinyl Acetate	5.09	43	1918590	9.723	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1325545	9.551	ppbv	98
25) Ethyl Acetate	5.69	43	2936083	9.916	ppbv	99
26) Hexane	5.70	57	1210906	9.087	ppbv	99
27) Carbon Disulfide	4.56	76	1177327	8.890	ppbv	96
28) Methyl tert-Butyl Ether	5.04	73	1701243	8.980	ppbv	99
29) Chloroform	5.77	83	1815367	10.374	ppbv	98
30) Cyclohexane	7.14	84	961525	9.823	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1258251	10.388	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	1756239	9.726	ppbv	99
34) 2-Butanone	5.26	43	1855909	10.508	ppbv	100
35) Carbon Tetrachloride	7.03	117	1687405	10.867	ppbv	97
36) Benzene	6.91	78	2480560	10.993	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1522851	11.646	ppbv	99
38) Trichloroethene	7.85	130	747309	8.859	ppbv	89
39) 1,2-Dichloropropane	7.63	63	992556	11.138	ppbv	94
40) 1,4-Dioxane	7.84	88	184933	6.598	ppbv #	81
41) Tetrahydrofuran	6.06	42	1106784	10.548	ppbv	98
42) Bromodichloromethane	7.81	83	1975472	11.338	ppbv	99
43) Methyl Methacrylate	8.03	69	1108446	11.450	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4360334	10.670	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1155095	11.614	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1417552	11.372	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	934900	10.905	ppbv	99
48) Dibromochloromethane	10.33	129	1431251	11.055	ppbv	98
49) Bromoform	13.06	173	1165788	11.440	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2905111	11.029	ppbv	99
51) 2-Hexanone	10.15	43	2361529	11.470	ppbv #	100
52) Tetrachloroethene	11.25	164	738759	9.044	ppbv	97
53) Toluene	9.83	91	2756117	10.877	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1383029	10.762	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1083103	8.353	ppbv	95
57) Chlorobenzene	12.17	112	1845199	8.405	ppbv	96
58) Ethyl Benzene	12.74	91	3744504	8.737	ppbv	99
59) m/p-Xylene	13.02	91	2446045	6.777	ppbv #	1
60) o-Xylene	13.72	91	2954718	8.688	ppbv	98
61) Styrene	13.55	104	2043889	9.361	ppbv	97
62) Isopropylbenzene	14.69	105	4264525	8.459	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1995056	8.711	ppbv	100
64) n-propylbenzene	15.59	120	1051369	8.669	ppbv	88
65) tert-Butylbenzene	16.77	119	3507875	8.501	ppbv	95
66) Benzyl Chloride	17.02	91	1080864	10.520	ppbv	97
67) sec-Butylbenzene	17.32	105	5125932	8.876	ppbv	98
69) p-Isopropyltoluene	17.68	119	4062807	8.845	ppbv	98
70) n-Butylbenzene	18.57	91	4449505	9.801	ppbv	98
71) 2-Chlorotoluene	15.48	91	3481018	9.135	ppbv	96
72) 4-Ethyltoluene	15.86	105	3344916	9.080	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3145950	8.941	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	3158661	8.943	ppbv #	90
75) 1,3-Dichlorobenzene	17.02	146	1562348	8.837	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1564041	8.689	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	1526725	9.044	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	915200	6.765	ppbv	100
79) Naphthalene	22.23	128	1657986	9.235	ppbv #	95
80) Naphthalene,2-methyl-	25.00	142	658250	16.397	ppbv	94
81) 1,2,4-Trichlorobenzene	21.96	180	943590	7.867	ppbv #	100

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

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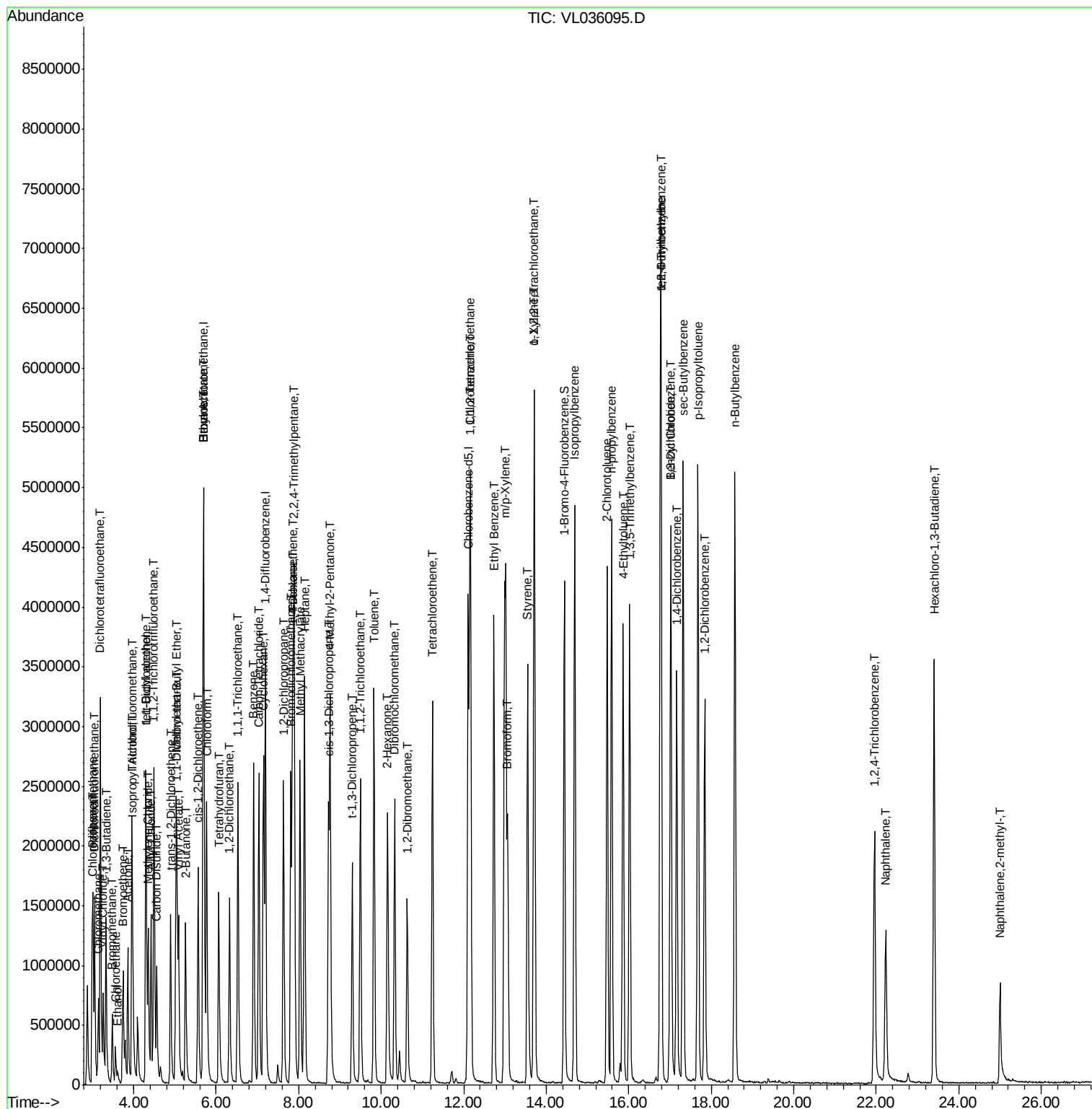
Quant Time: Dec 08 12:11:56 2020

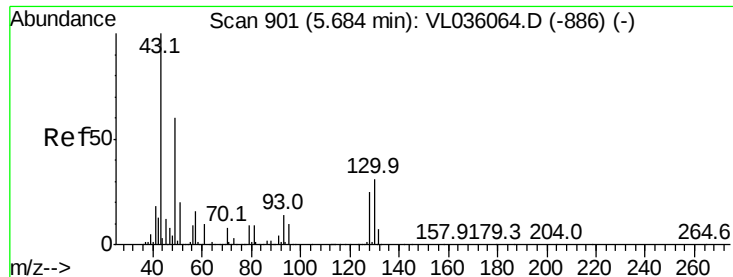
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL120720AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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Acq: 8 Dec 2020 10:57

Instrument :

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ClientSampleId :

BFB

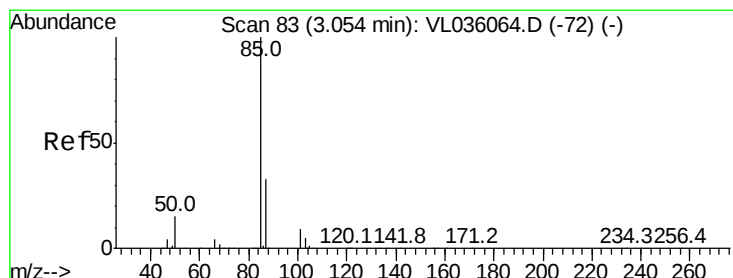
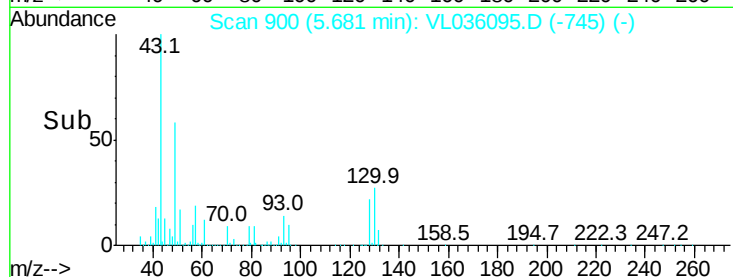
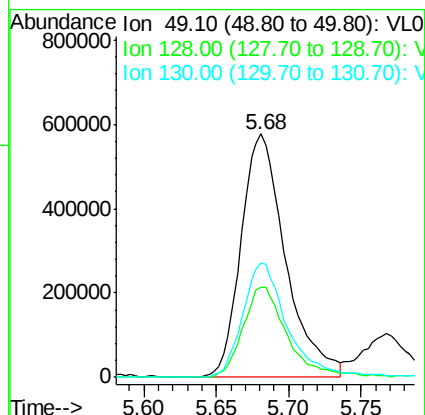
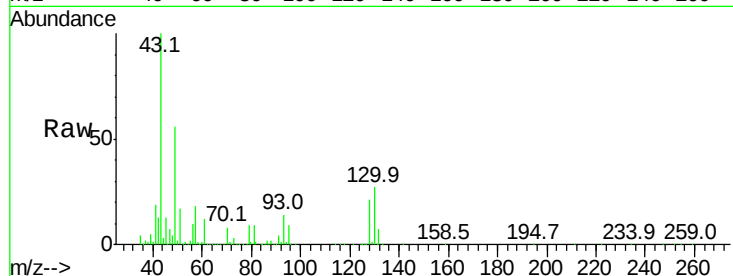
Tgt Ion: 49 Resp: 1233154

Ion Ratio Lower Upper

49 100

128 37.9 21.1 63.1

130 48.1 27.1 81.3



#2

Dichlorodifluoromethane

Concen: 9.054 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036095.D

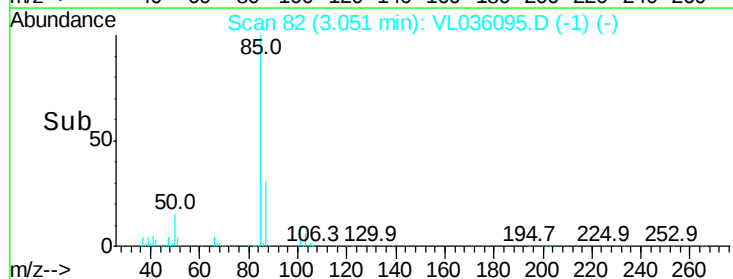
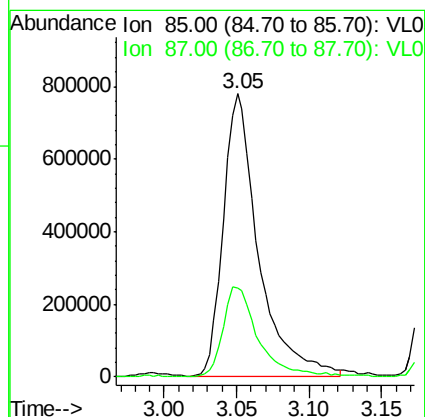
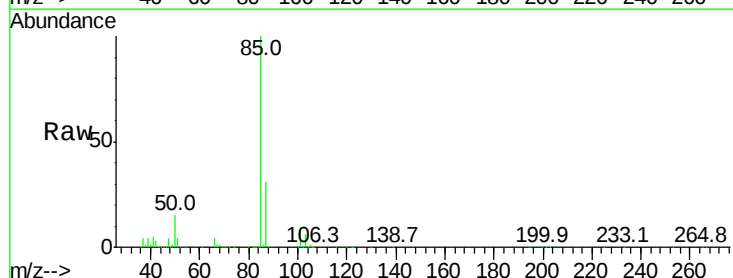
Acq: 8 Dec 2020 10:57

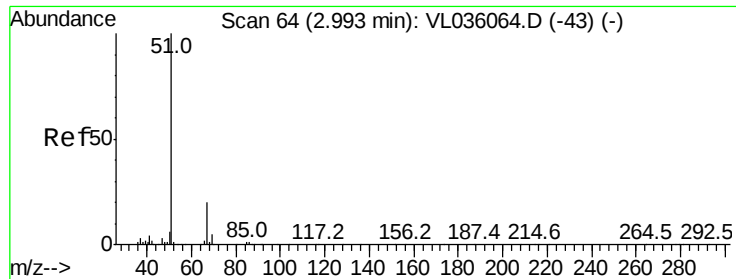
Tgt Ion: 85 Resp: 1301082

Ion Ratio Lower Upper

85 100

87 31.4 26.5 39.7





#3

Chlorodifluoromethane

Concen: 10.603 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

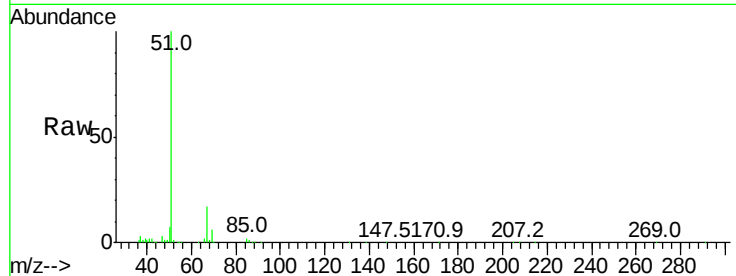
BFB

Tgt Ion: 51 Resp: 1491852

Ion Ratio Lower Upper

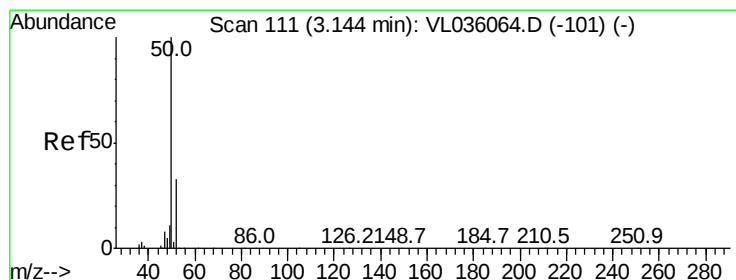
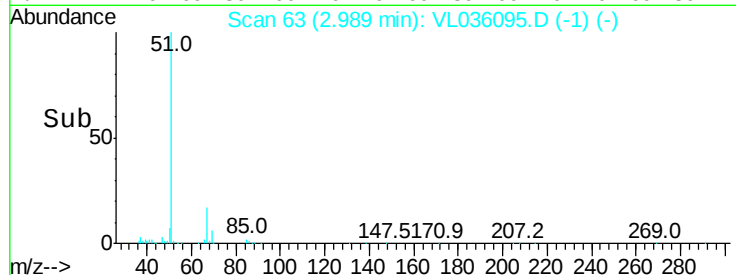
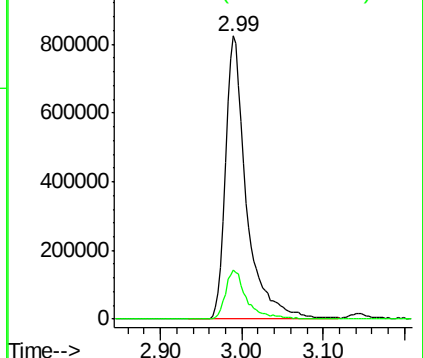
51 100

67 17.7 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.287 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036095.D

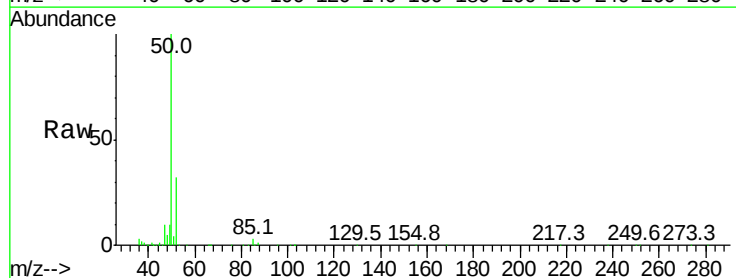
Acq: 8 Dec 2020 10:57

Tgt Ion: 50 Resp: 710605

Ion Ratio Lower Upper

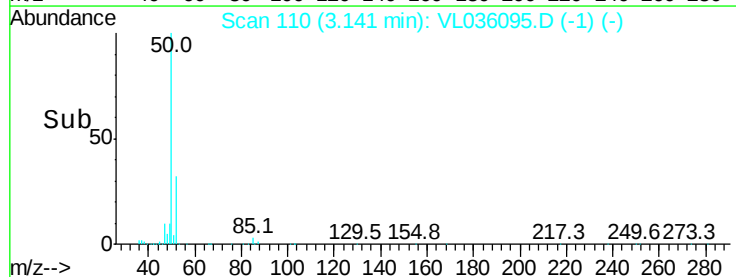
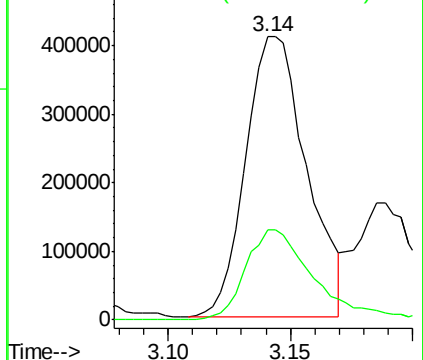
50 100

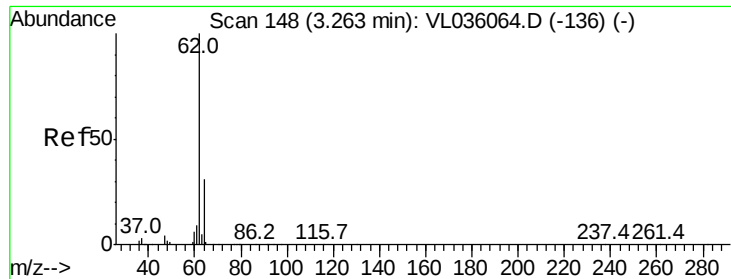
52 31.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.137 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

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ClientSampleId :

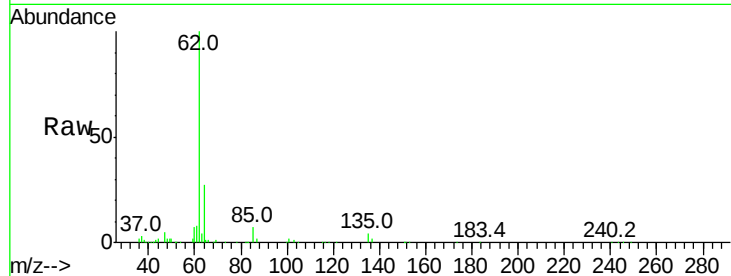
BFB

Tgt Ion: 62 Resp: 702167

Ion Ratio Lower Upper

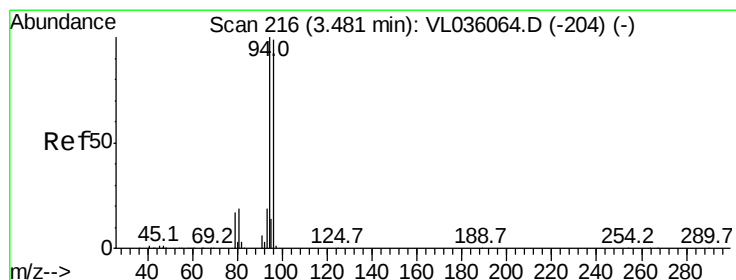
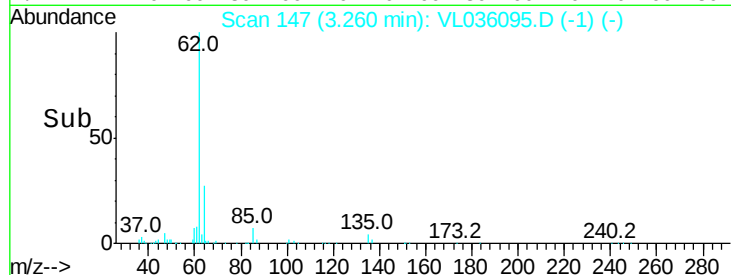
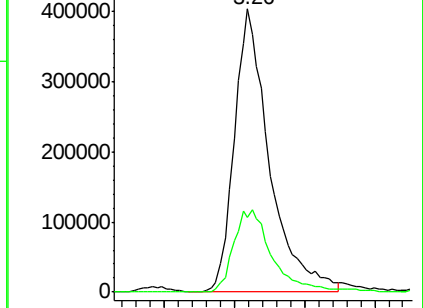
62 100

64 26.5 24.5 36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.694 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL036095.D

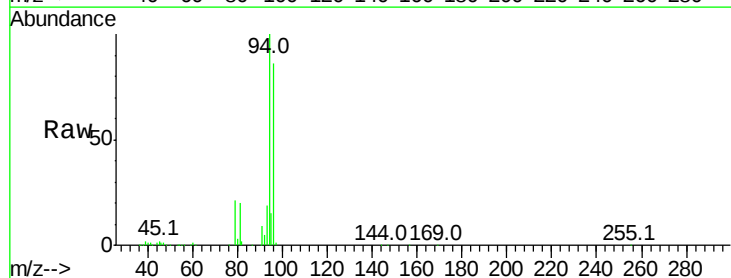
Acq: 8 Dec 2020 10:57

Tgt Ion: 94 Resp: 384402

Ion Ratio Lower Upper

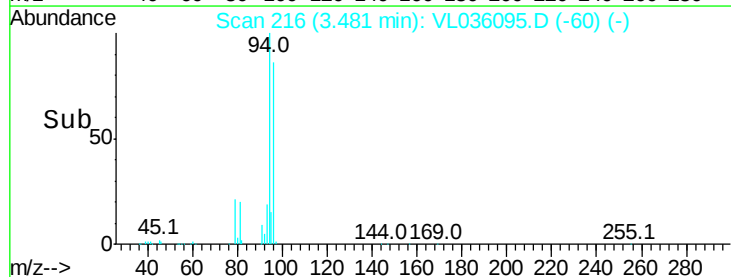
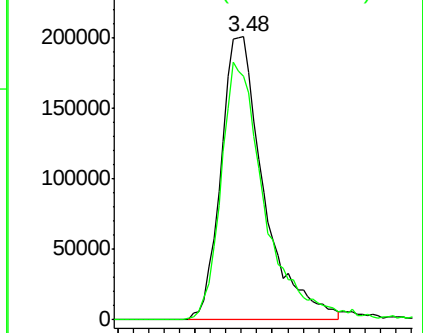
94 100

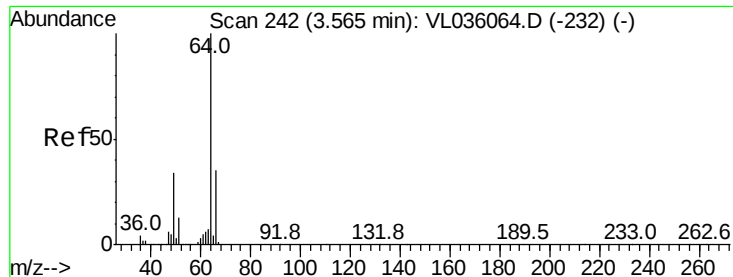
96 85.7 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.632 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL036095.D

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MSVOA_L

ClientSampleId :

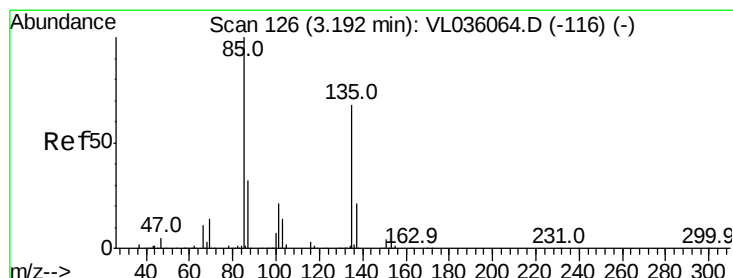
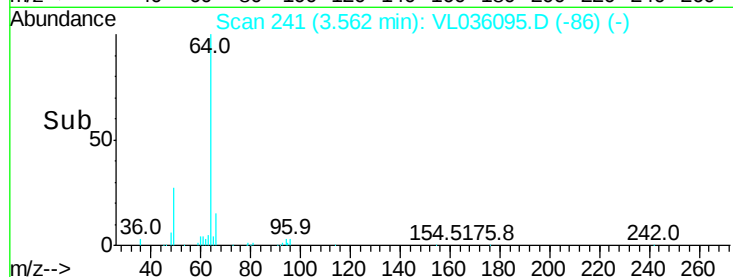
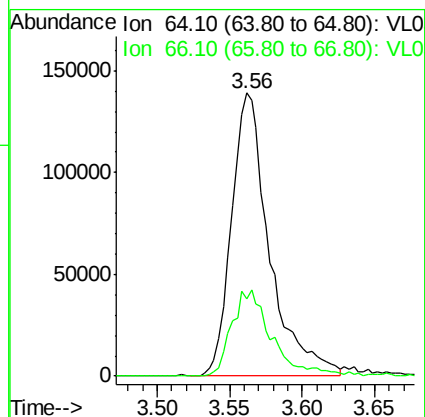
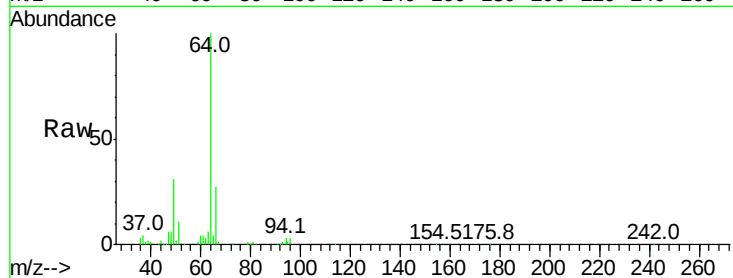
BFB

Tgt Ion: 64 Resp: 252154

Ion Ratio Lower Upper

64 100

66 27.5 27.7 41.5#



#8

Dichlorotetrafluoroethane

Concen: 10.118 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL036095.D

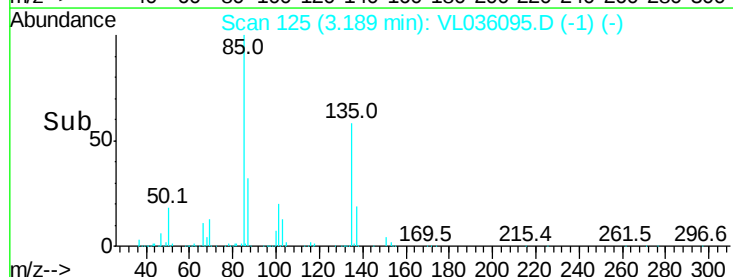
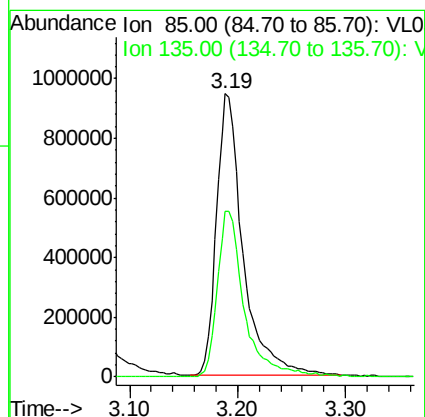
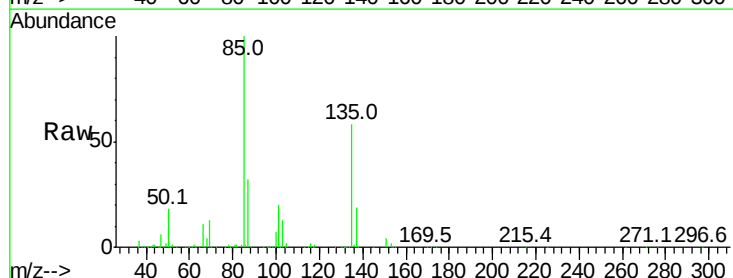
Acq: 8 Dec 2020 10:57

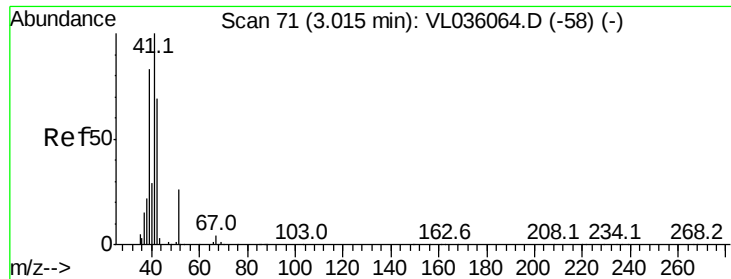
Tgt Ion: 85 Resp: 1615948

Ion Ratio Lower Upper

85 100

135 60.3 53.8 80.8





#9

Propene

Concen: 9.825 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampled :

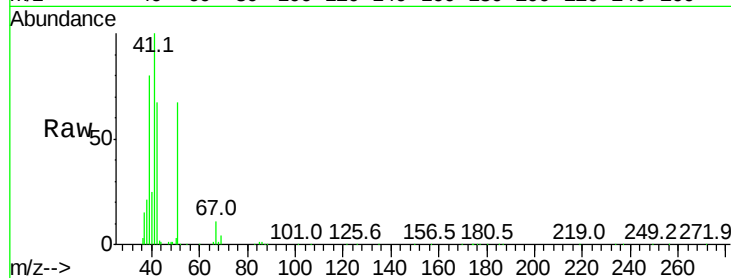
BFB

Tgt Ion: 41 Resp: 692473

Ion Ratio Lower Upper

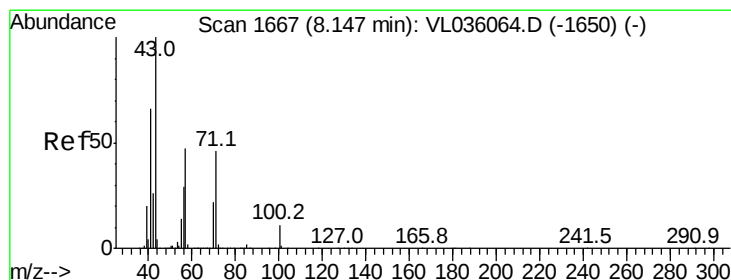
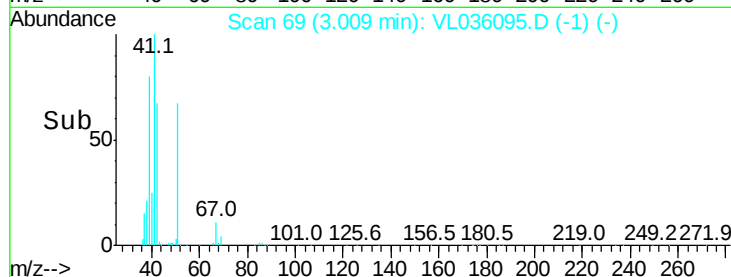
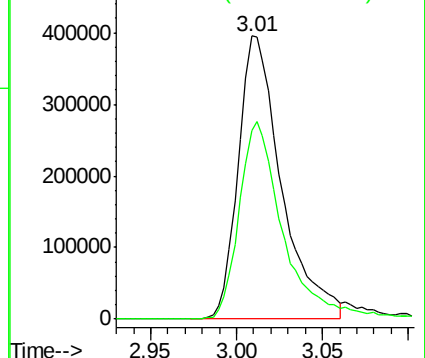
41 100

42 71.9 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.906 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036095.D

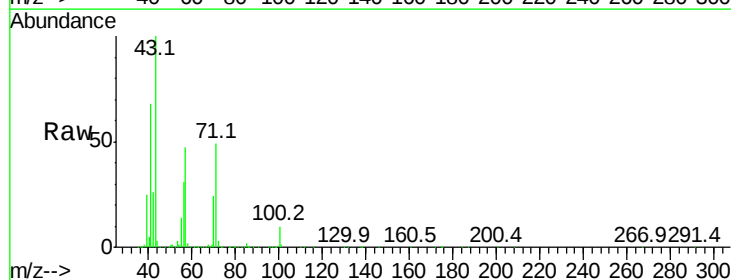
Acq: 8 Dec 2020 10:57

Tgt Ion: 43 Resp: 1783212

Ion Ratio Lower Upper

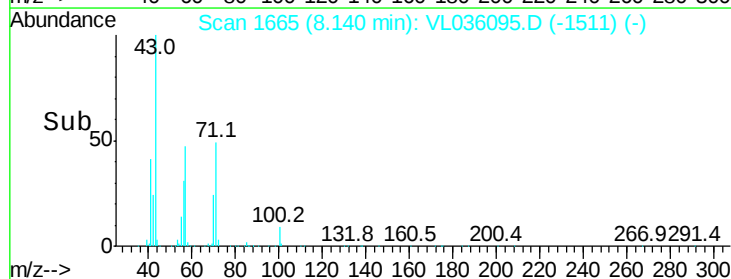
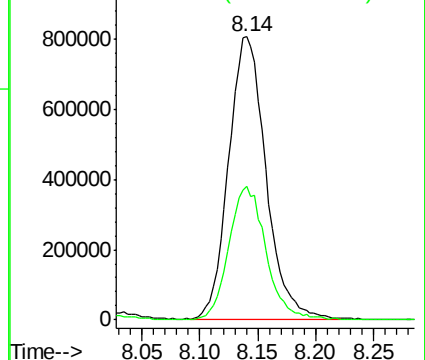
43 100

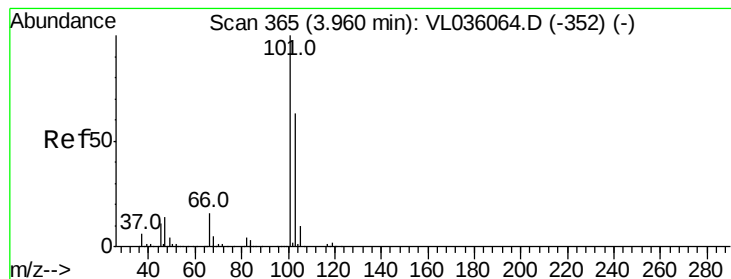
57 47.4 37.9 56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.981 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

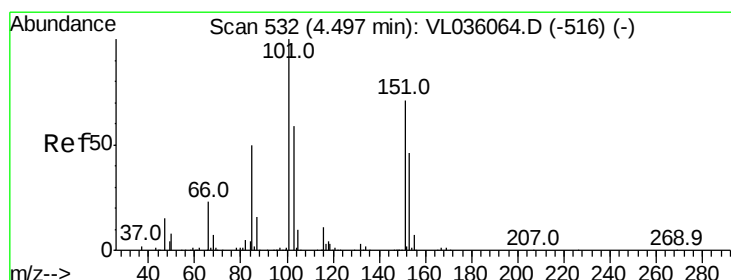
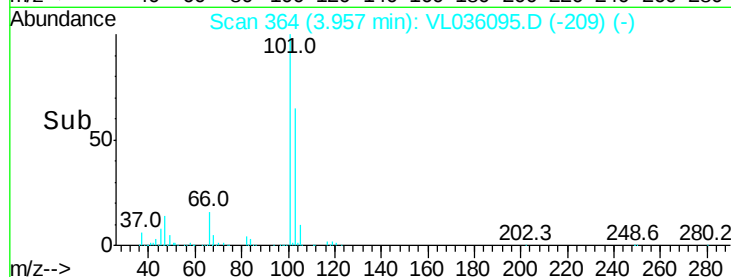
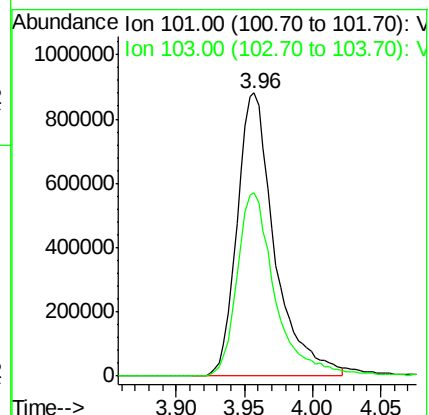
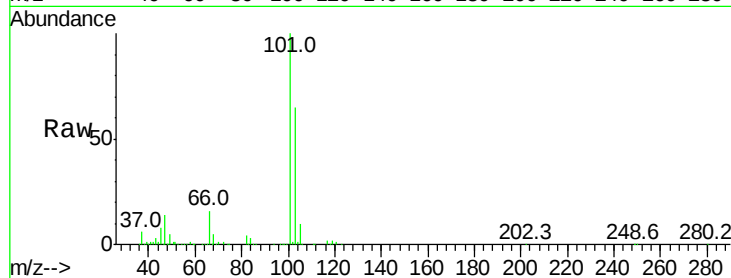
BFB

Tgt Ion:101 Resp: 1686401

Ion Ratio Lower Upper

101 100

103 64.8 50.3 75.5



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.344 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL036095.D

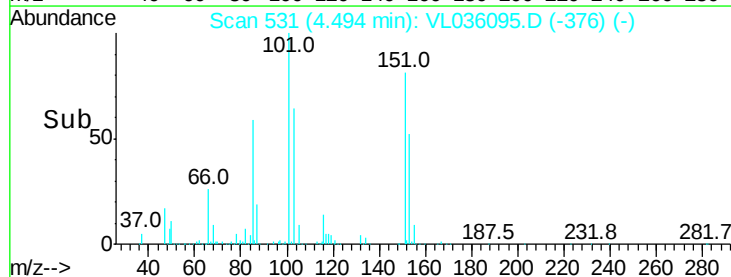
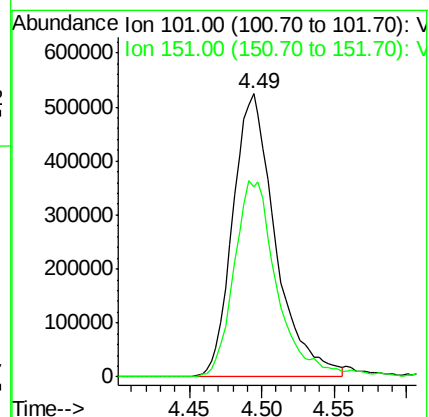
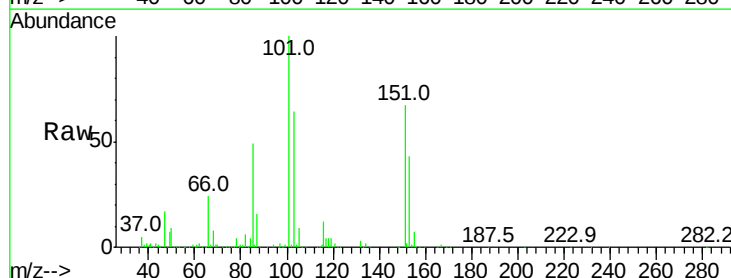
Acq: 8 Dec 2020 10:57

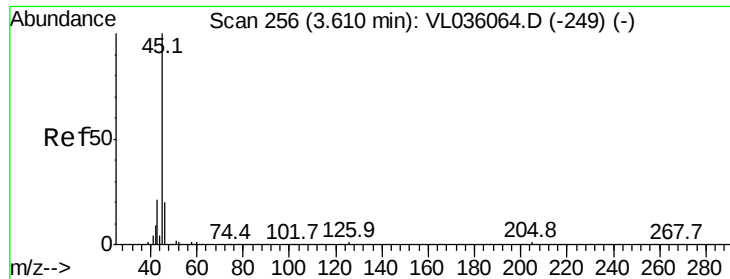
Tgt Ion:101 Resp: 1072222

Ion Ratio Lower Upper

101 100

151 70.7 59.3 88.9





#13

Ethanol

Concen: 10.962 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampled :

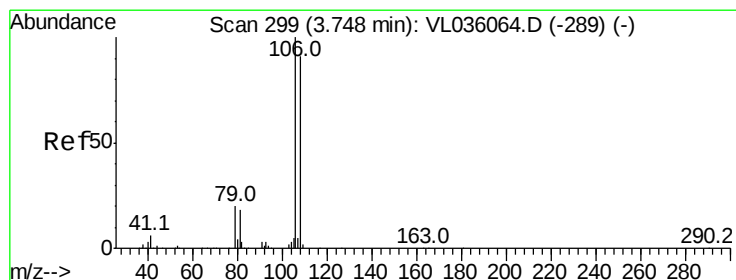
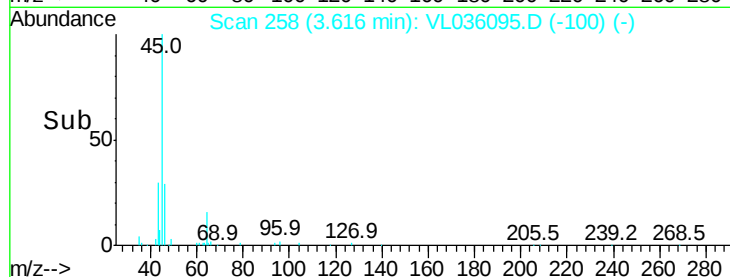
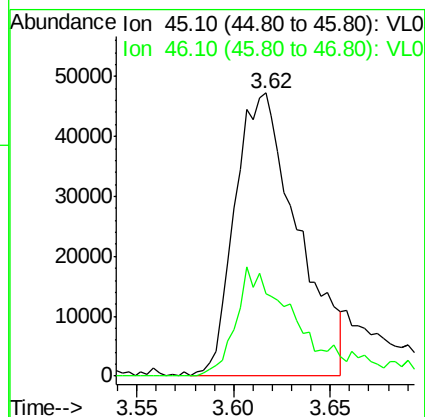
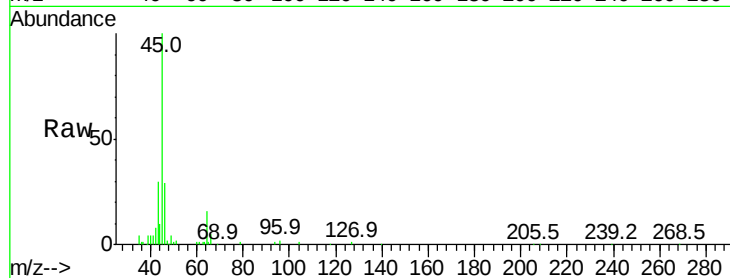
BFB

Tgt Ion: 45 Resp: 106505

Ion Ratio Lower Upper

45 100

46 44.5 19.0 75.8



#14

Bromoethene

Concen: 9.855 ppbv

RT: 3.75 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

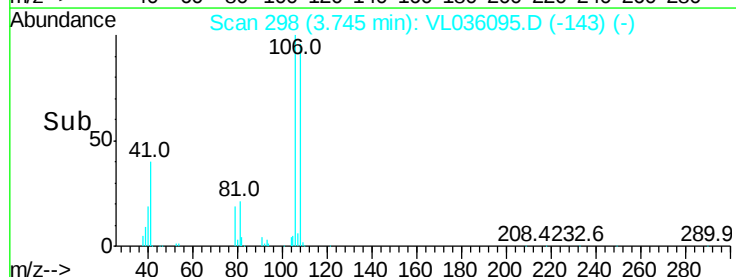
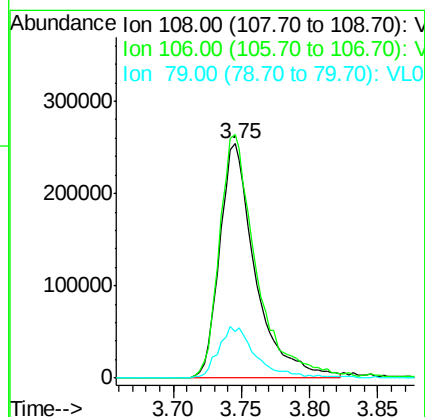
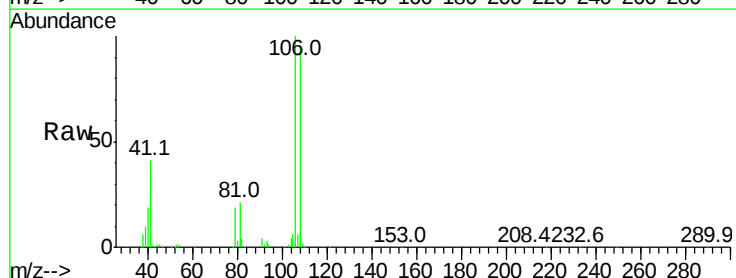
Tgt Ion: 108 Resp: 463908

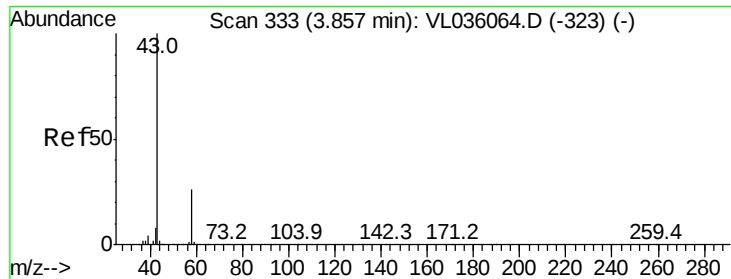
Ion Ratio Lower Upper

108 100

106 108.8 91.0 136.4

79 24.0 19.3 28.9

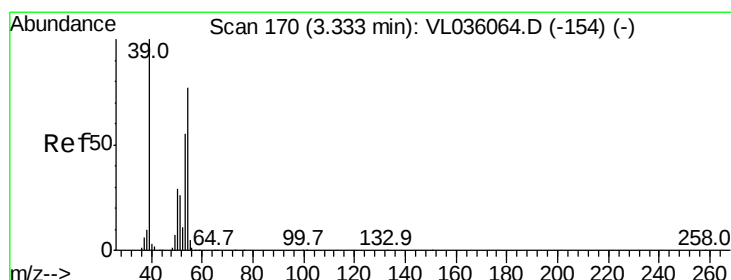
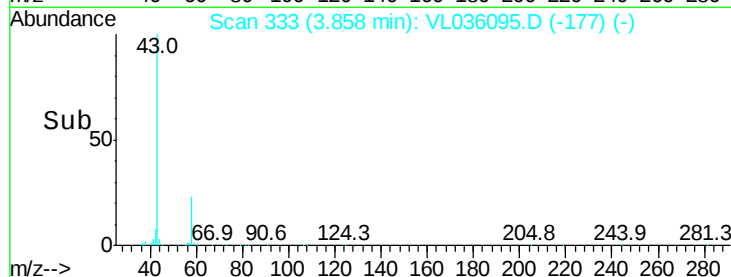
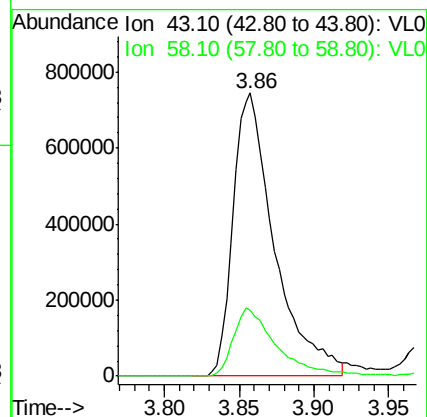
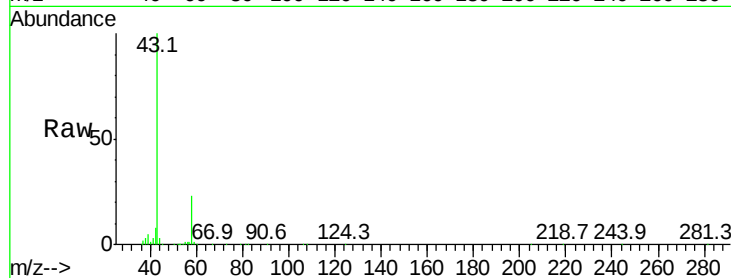




#15
Acetone
Concen: 9.675 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

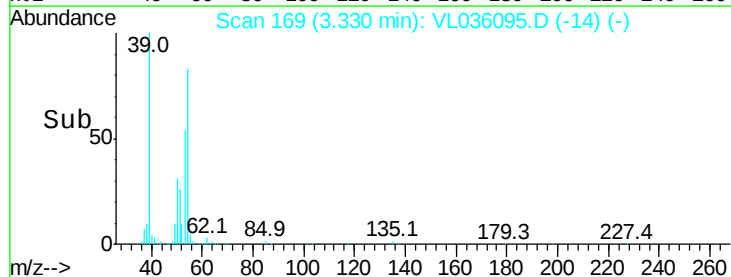
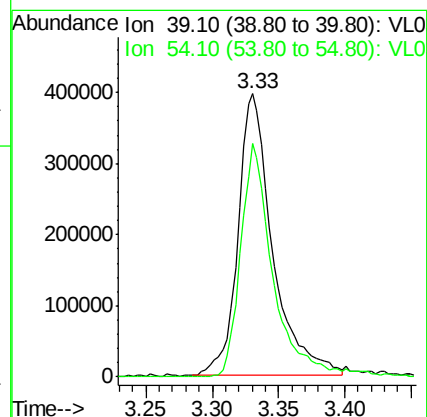
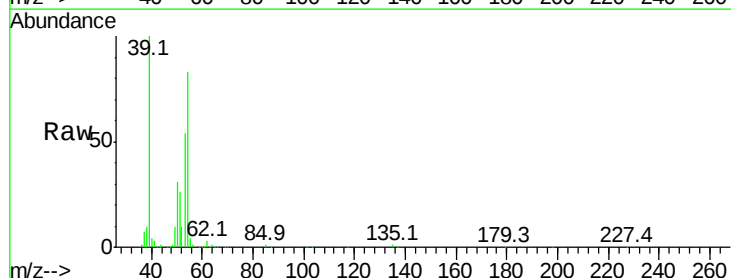
Instrument :
MSVOA_L
ClientSampleId :
BFB

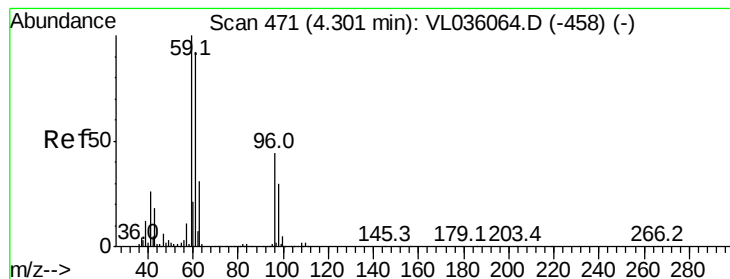
Tgt Ion: 43 Resp: 1433855
Ion Ratio Lower Upper
43 100
58 25.5 20.9 31.3



#16
1,3-Butadiene
Concen: 9.653 ppbv
RT: 3.33 min Scan# 169
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 39 Resp: 720522
Ion Ratio Lower Upper
39 100
54 78.8 62.1 93.1





#17

tert-Butyl alcohol

Concen: 7.912 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

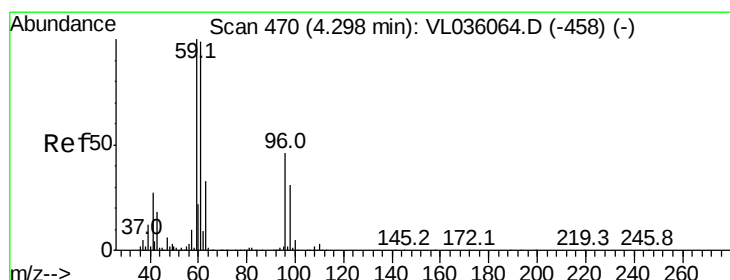
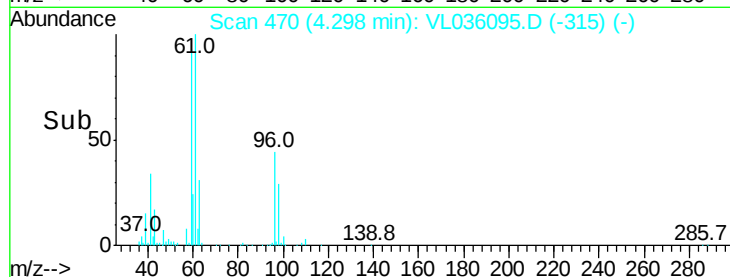
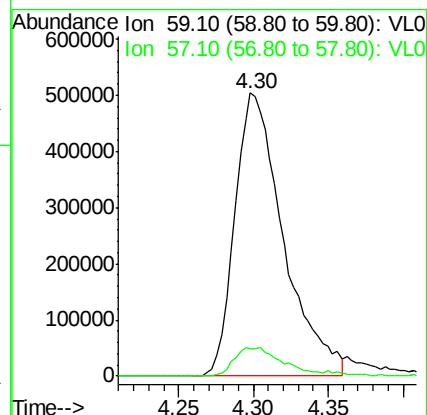
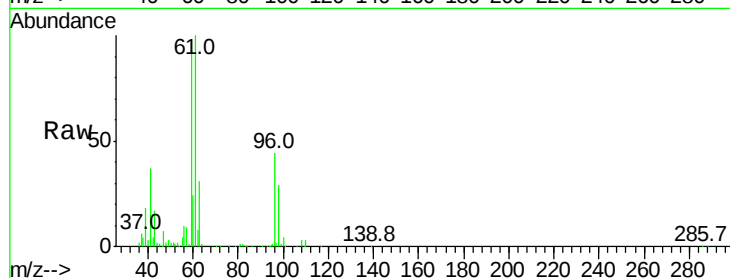
BFB

Tgt Ion: 59 Resp: 1135868

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.252 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

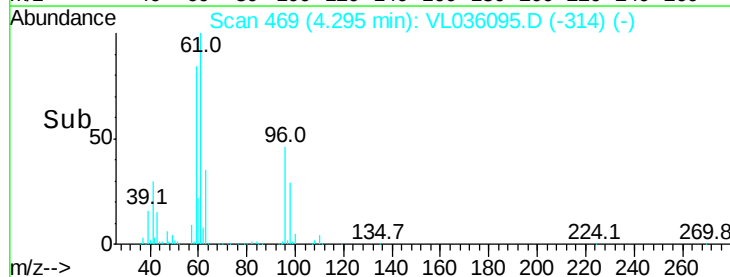
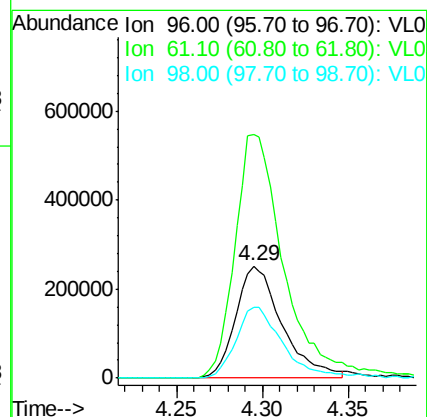
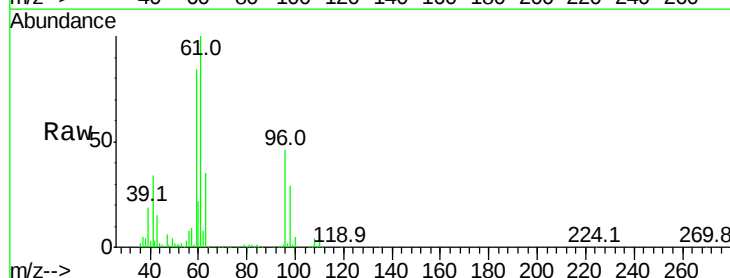
Tgt Ion: 96 Resp: 471376

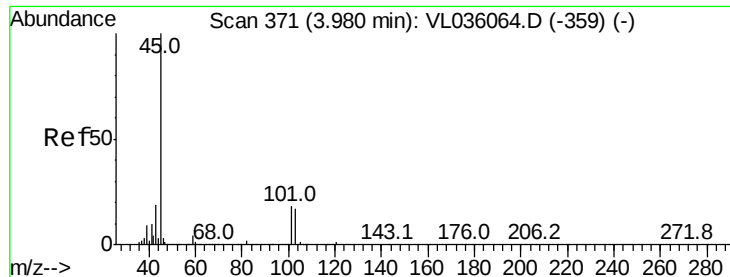
Ion Ratio Lower Upper

96 100

61 217.4 171.4 257.2

98 63.0 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.352 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

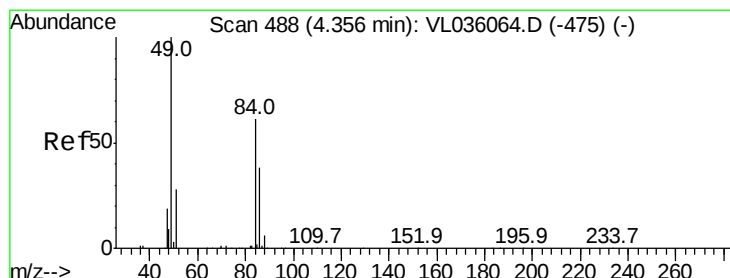
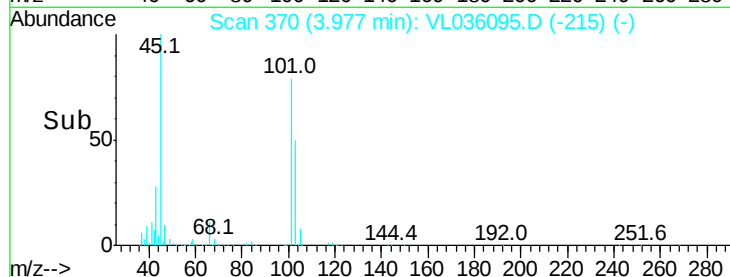
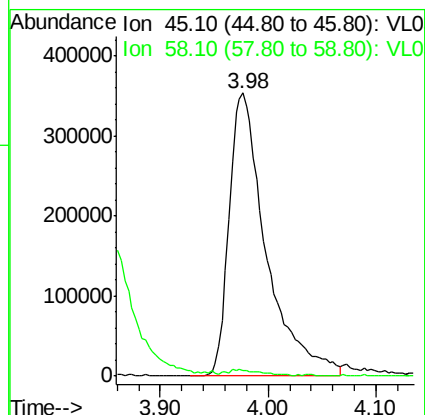
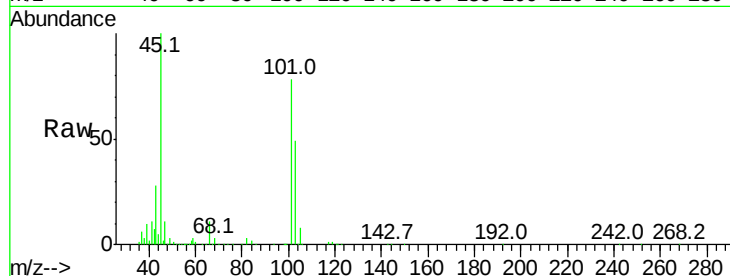
BFB

Tgt Ion: 45 Resp: 847119

Ion Ratio Lower Upper

45 100

58 2.6 0.0 0.0#



#20

Methylene Chloride

Concen: 7.122 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 84 Resp: 432509

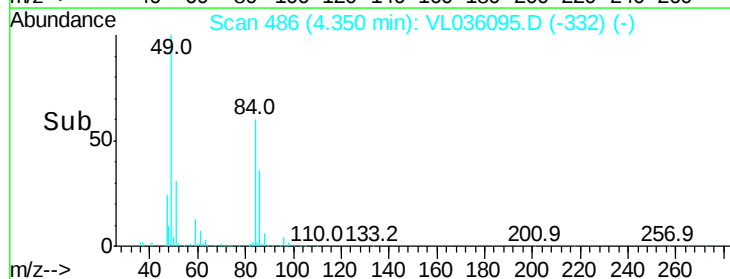
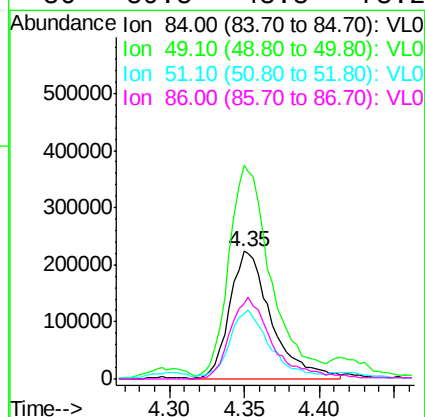
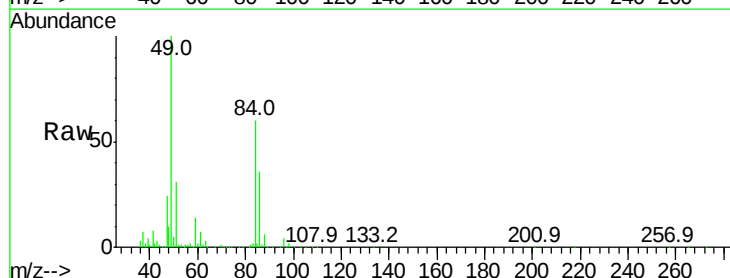
Ion Ratio Lower Upper

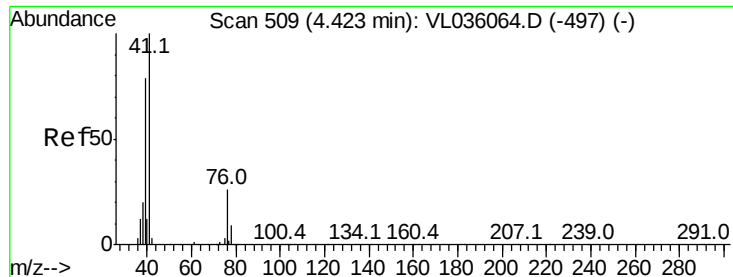
84 100

49 163.5 133.0 199.4

51 48.4 38.9 58.3

86 59.5 48.8 73.2





#21

Allyl Chloride

Concen: 8.683 ppbv

RT: 4.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

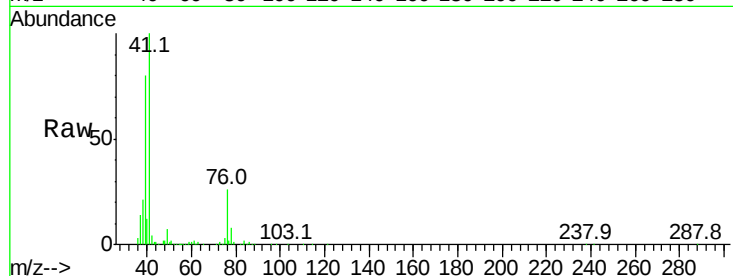
Tgt Ion: 41 Resp: 855634

Ion Ratio Lower Upper

41 100

76 26.9 21.0 31.4

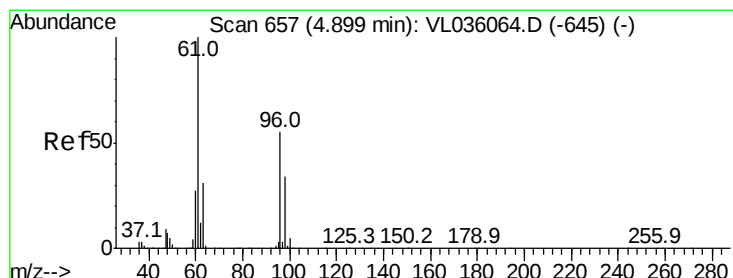
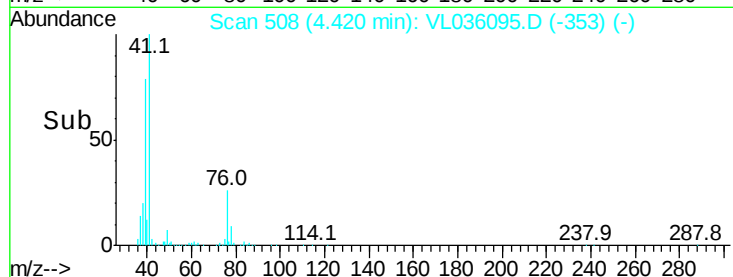
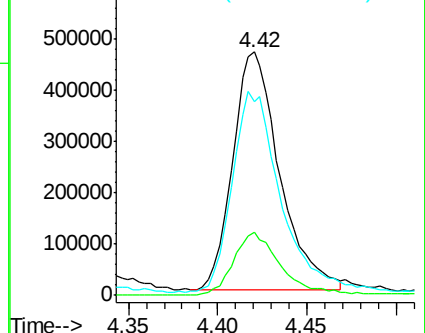
39 90.4 66.0 99.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.369 ppbv

RT: 4.90 min Scan# 656

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

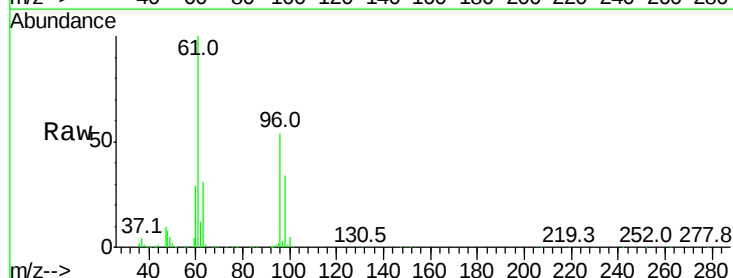
Tgt Ion: 96 Resp: 477890

Ion Ratio Lower Upper

96 100

61 185.0 145.7 218.5

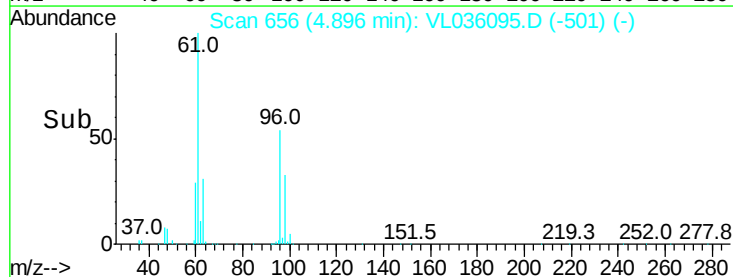
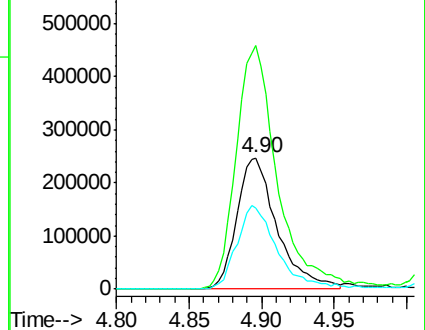
98 62.1 49.2 73.8

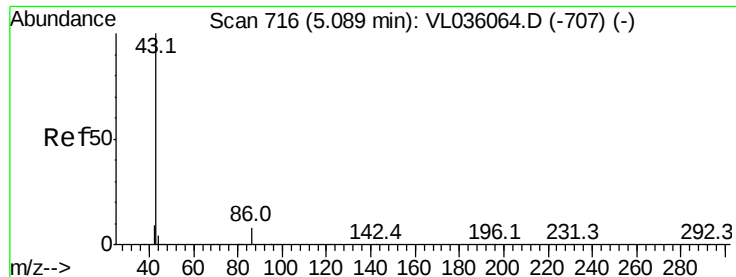


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.723 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

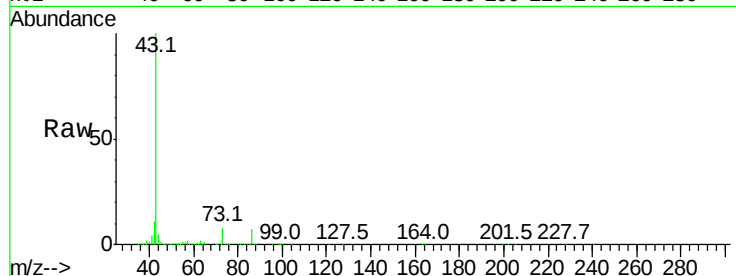
ClientSampleId :

BFB

Tgt Ion: 43 Resp: 1918590

Ion Ratio Lower Upper

43	100		
86	7.0	5.0	7.4
42	10.7	7.8	11.6
44	4.8	3.2	4.8#

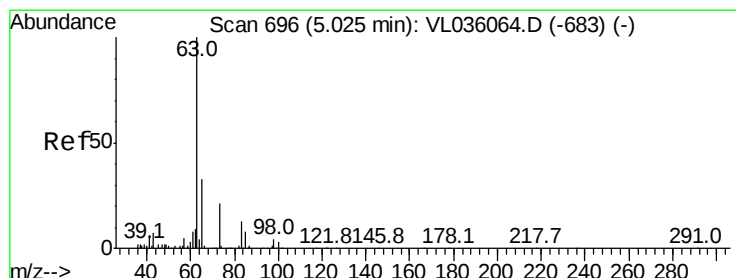
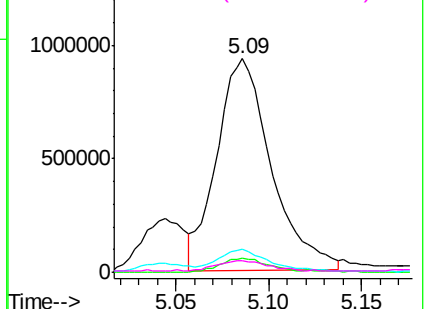
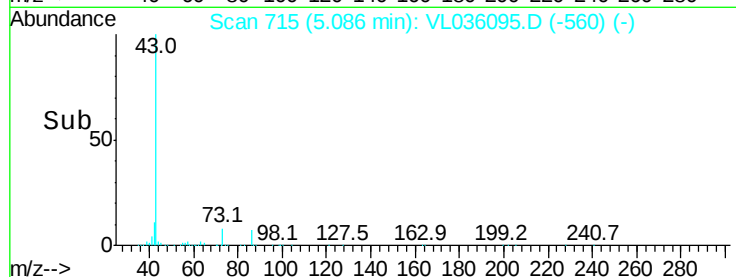


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.551 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

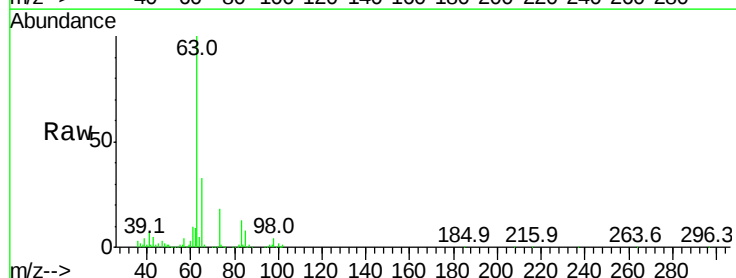
Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 63 Resp: 1325545

Ion Ratio Lower Upper

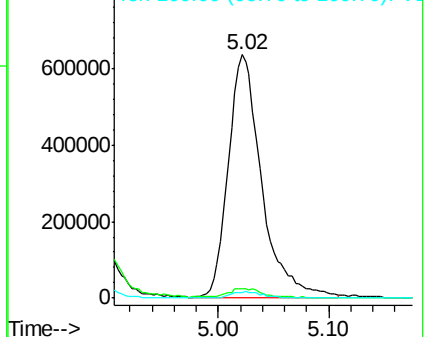
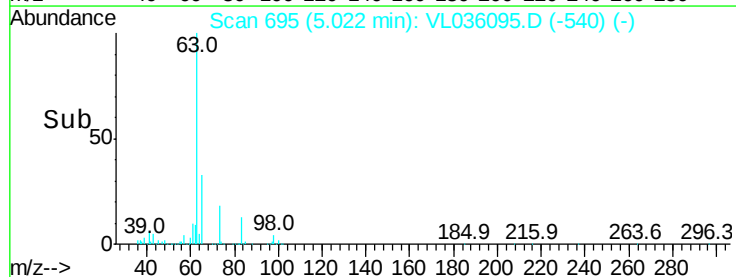
63	100		
98	3.8	2.2	6.6
100	2.0	1.5	4.4

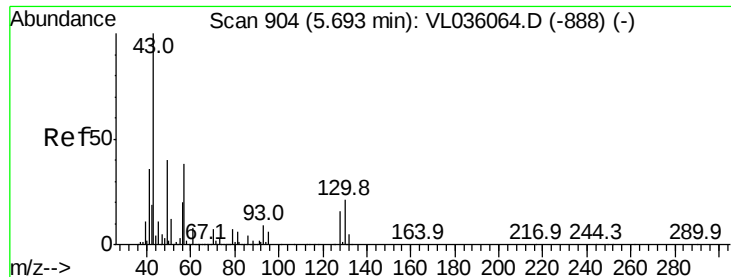


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.916 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 2936083

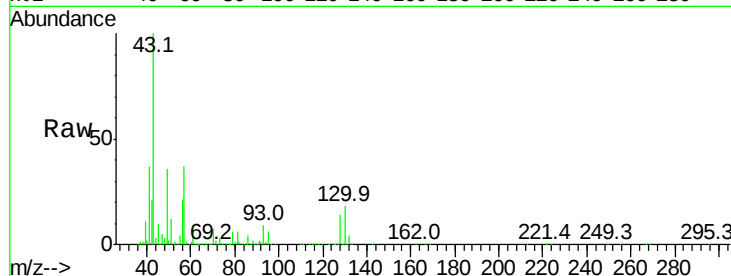
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.5	7.4	11.2
70	6.9	5.4	8.0

43 100

45 10.1 8.2 12.4

61 9.5 7.4 11.2

70 6.9 5.4 8.0

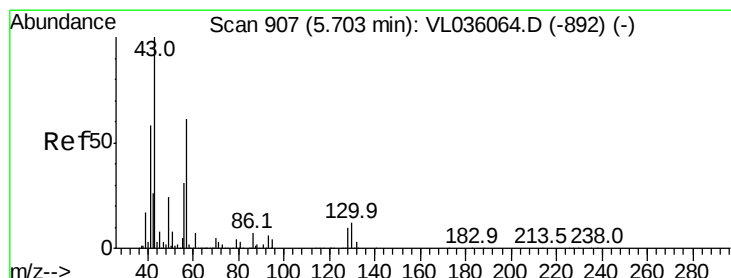
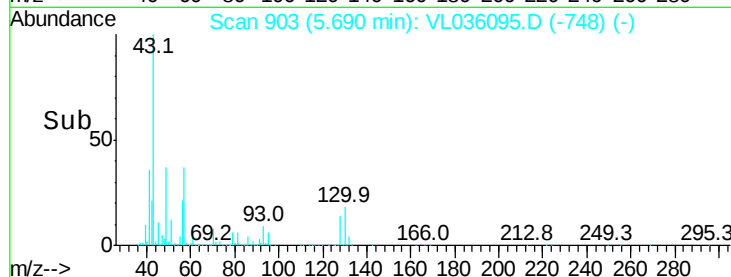
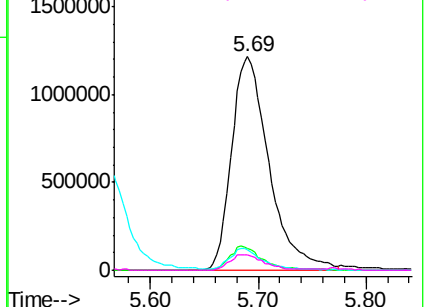


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.087 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 57 Resp: 1210906

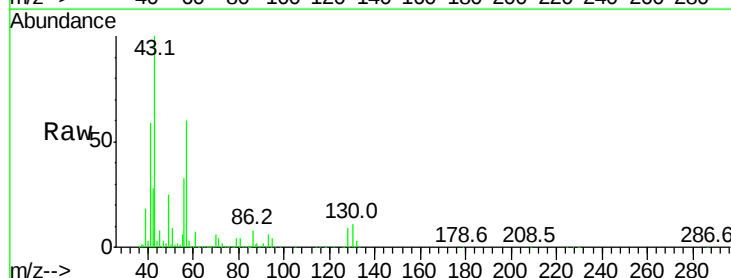
Ion	Ratio	Lower	Upper
57	100		
41	102.8	82.9	124.3
43	247.6	199.9	299.9
56	53.7	43.1	64.7

57 100

41 102.8 82.9 124.3

43 247.6 199.9 299.9

56 53.7 43.1 64.7

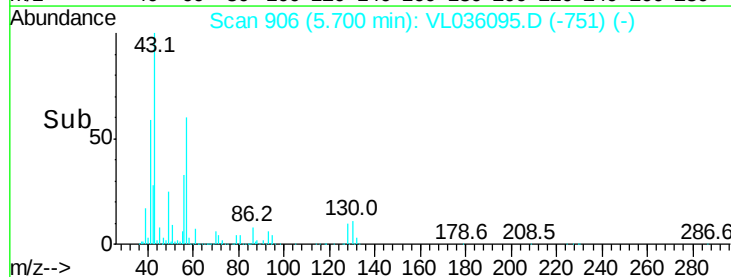
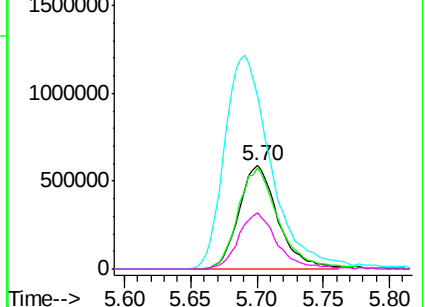


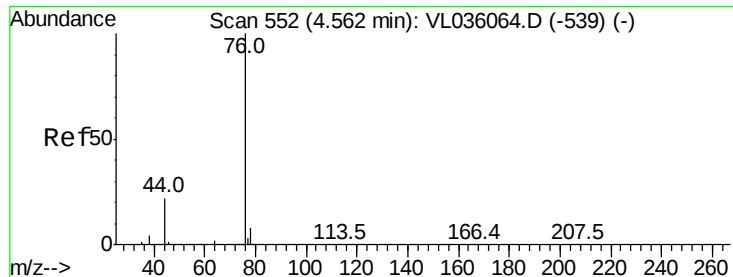
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 8.890 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

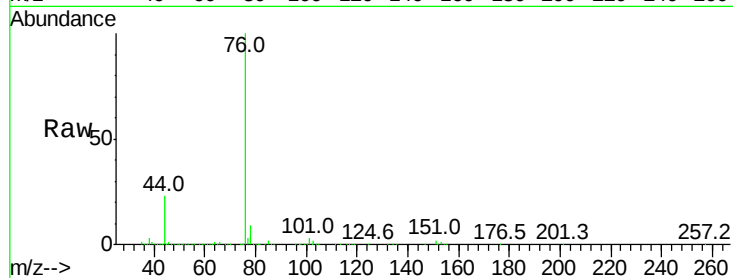
Tgt Ion: 76 Resp: 1177327

Ion Ratio Lower Upper

76 100

44 24.8 17.9 26.9

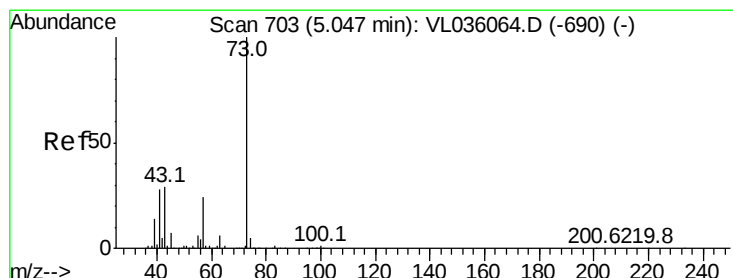
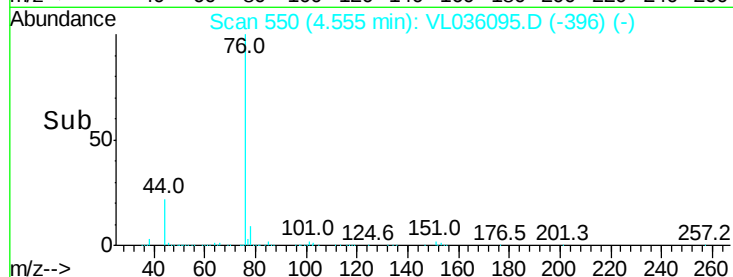
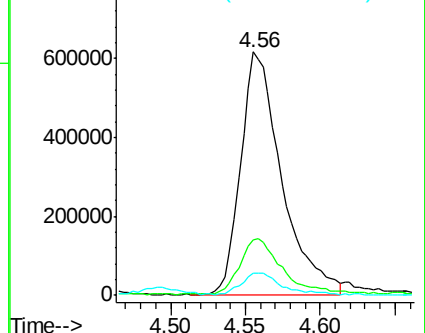
78 9.5 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.980 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036095.D

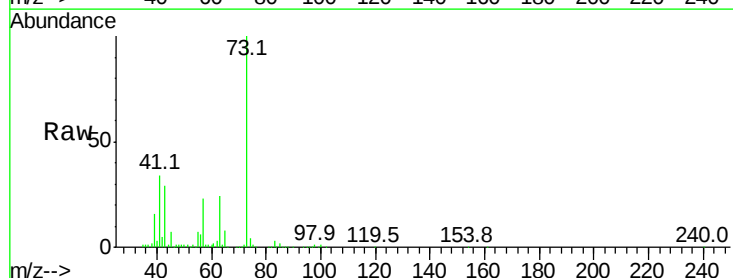
Acq: 8 Dec 2020 10:57

Tgt Ion: 73 Resp: 1701243

Ion Ratio Lower Upper

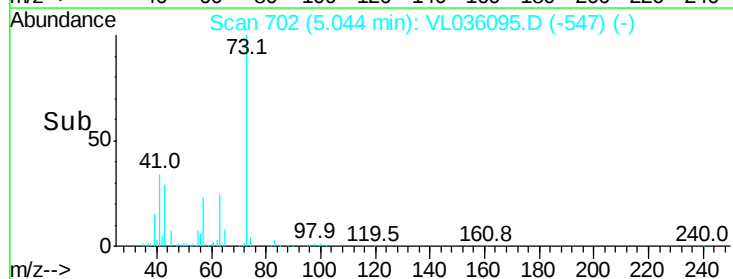
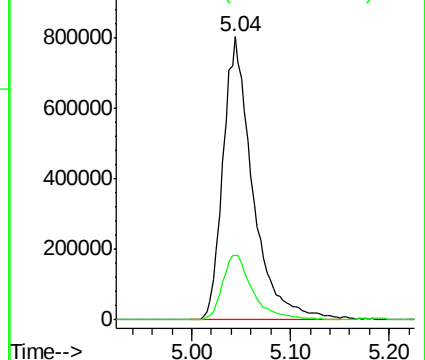
73 100

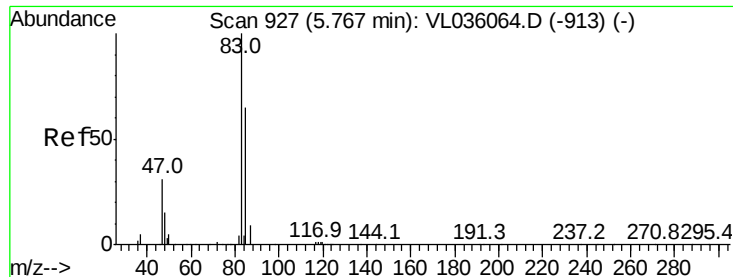
57 23.5 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.374 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

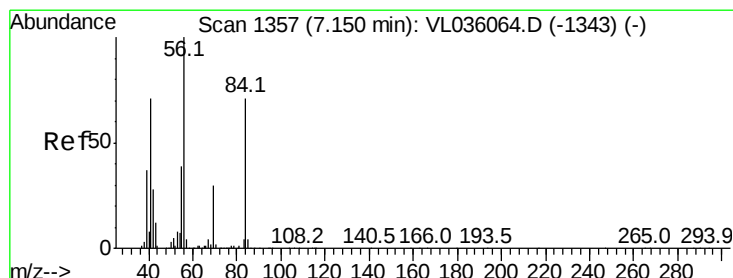
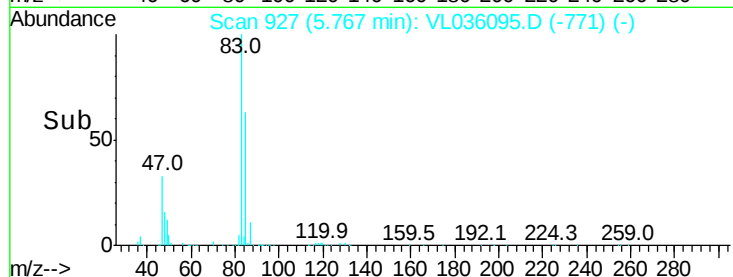
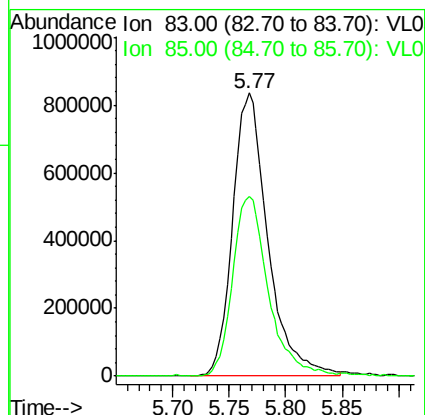
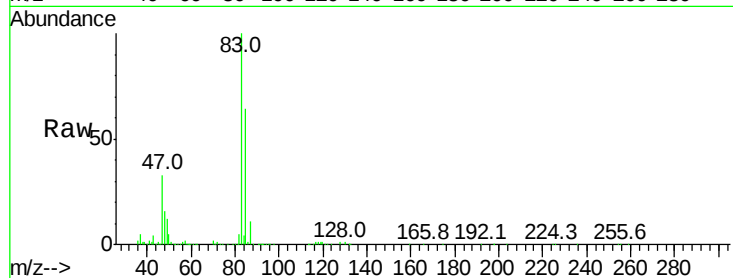
BFB

Tgt Ion: 83 Resp: 1815367

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6



#30

Cyclohexane

Concen: 9.823 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

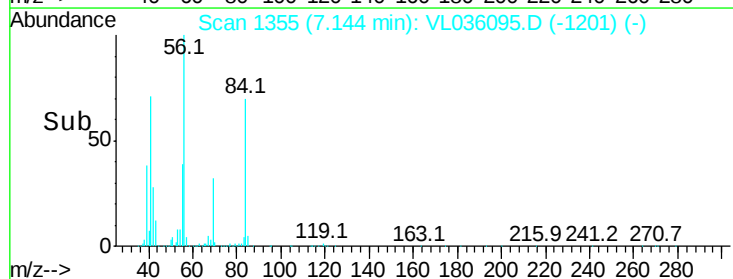
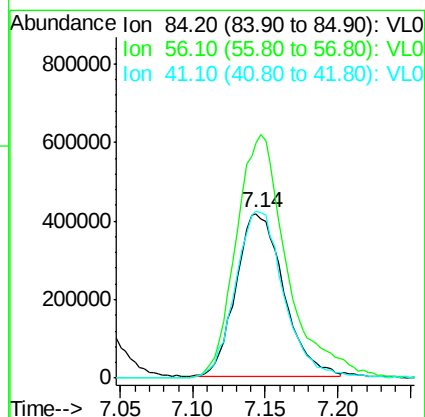
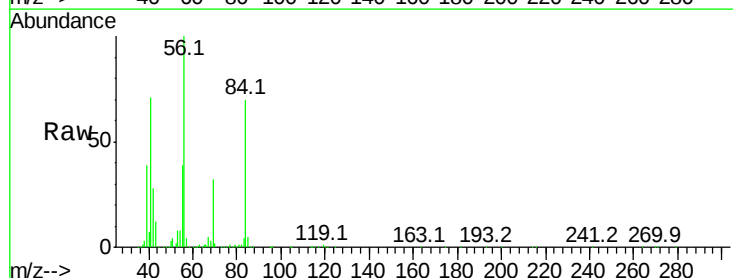
Tgt Ion: 84 Resp: 961525

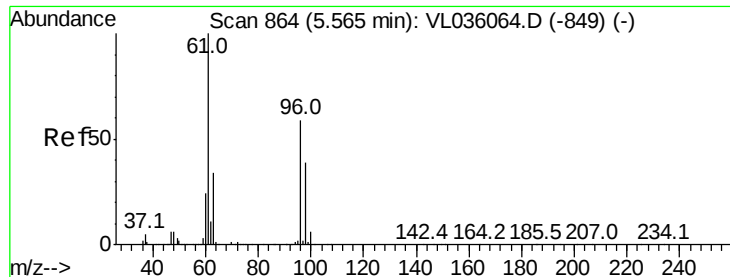
Ion Ratio Lower Upper

84 100

56 159.3 128.0 192.0

41 103.5 81.3 121.9



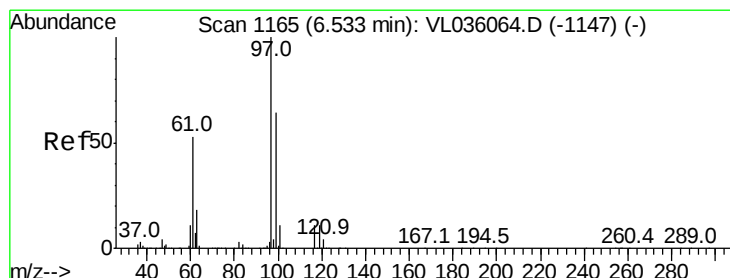
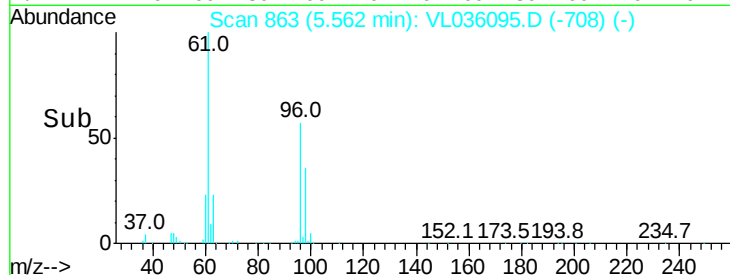
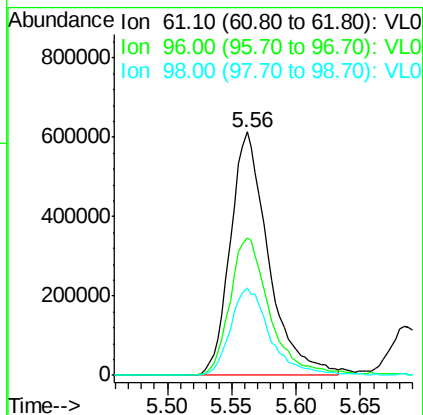
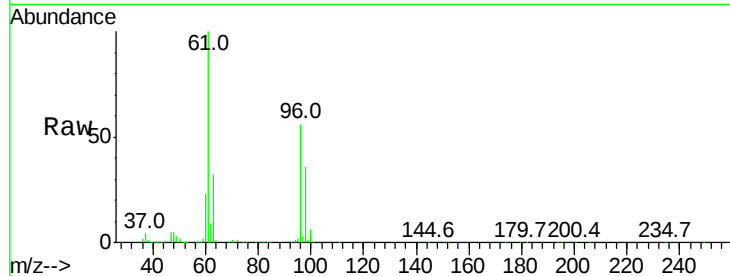


#31

cis-1,2-Dichloroethene
 Concen: 10.388 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

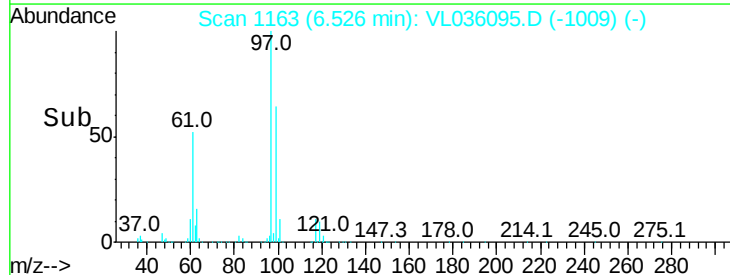
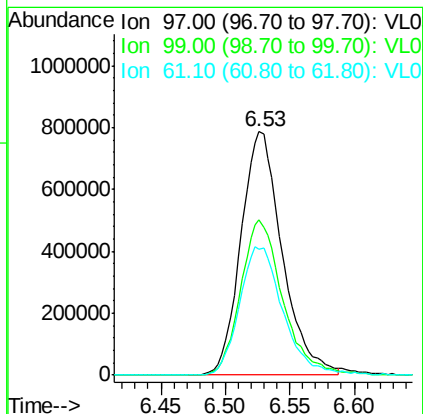
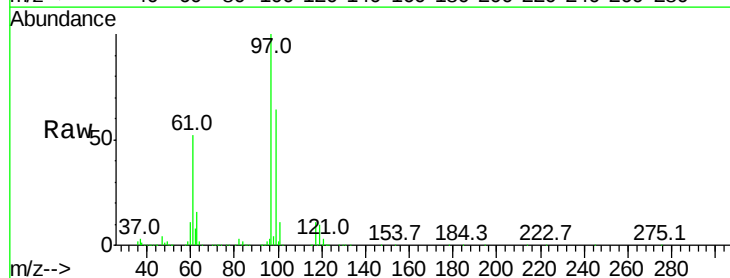
Tgt Ion: 61 Resp: 1258251
 Ion Ratio Lower Upper
 61 100
 96 56.2 47.3 70.9
 98 35.8 31.4 47.0

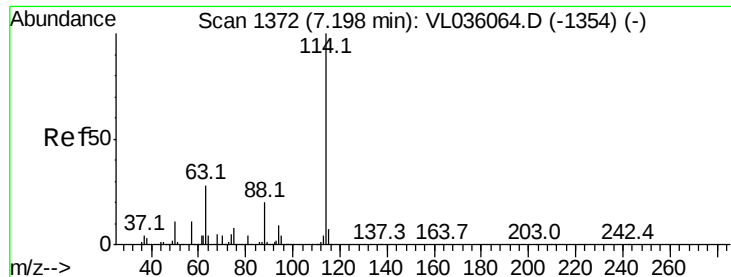


#32

1,1,1-Trichloroethane
 Concen: 9.726 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion: 97 Resp: 1756239
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.4 78.6
 61 55.8 43.4 65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.01 min

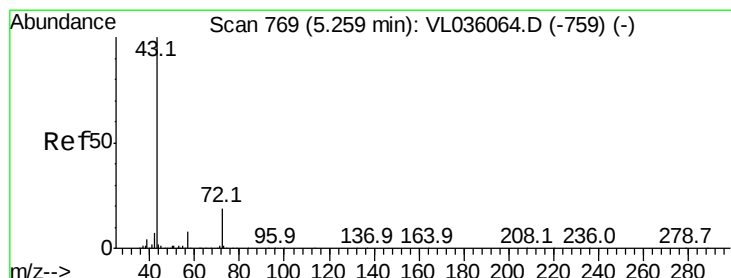
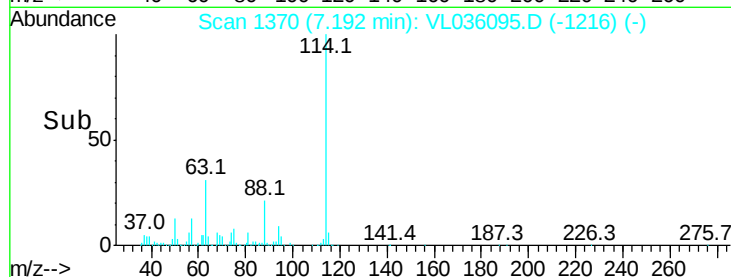
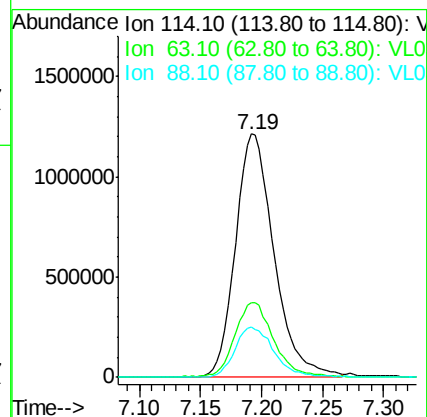
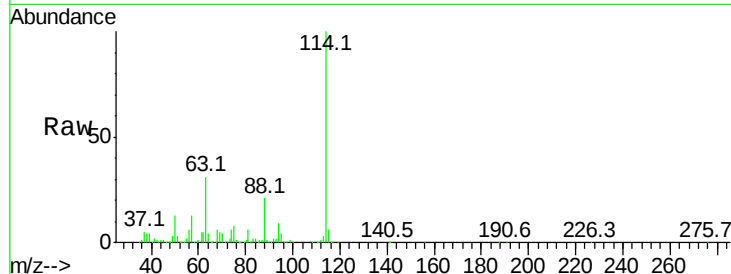
Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:114 Resp: 2662664

Ion	Ratio	Lower	Upper
114	100		
63	31.8	23.6	35.4
88	21.2	15.8	23.6



#34

2-Butanone

Concen: 10.508 ppbv

RT: 5.26 min Scan# 768

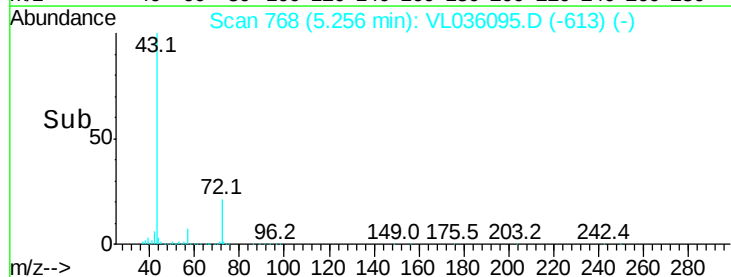
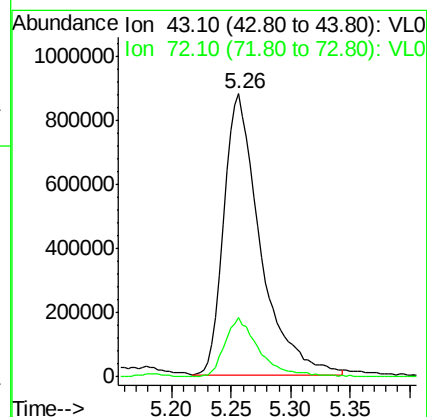
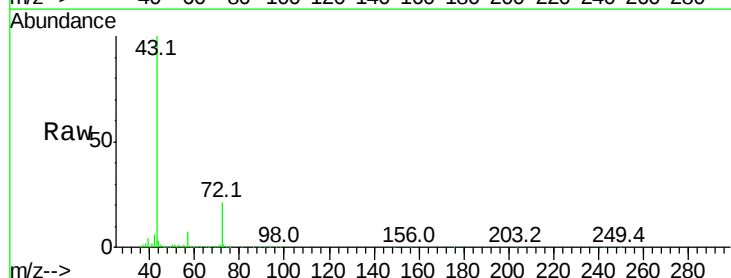
Delta R.T. -0.00 min

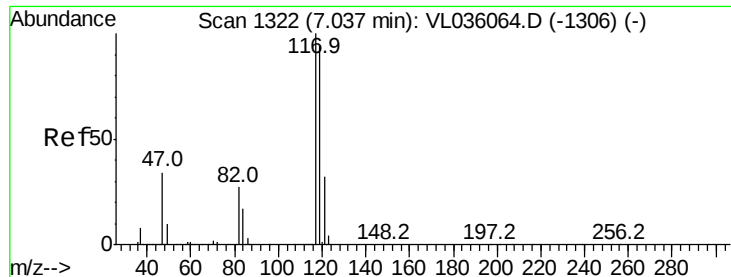
Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 43 Resp: 1855909

Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.5	24.7





#35

Carbon Tetrachloride

Concen: 10.867 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

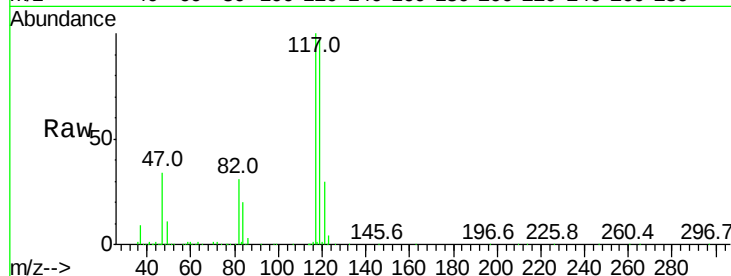
Tgt Ion:117 Resp: 1687405

Ion Ratio Lower Upper

117 100

119 96.9 75.1 112.7

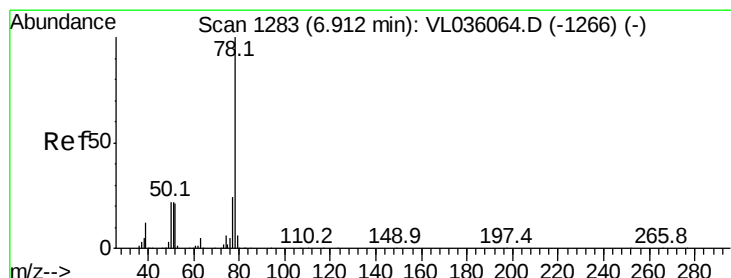
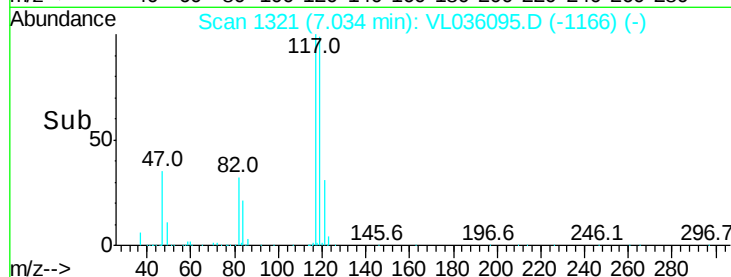
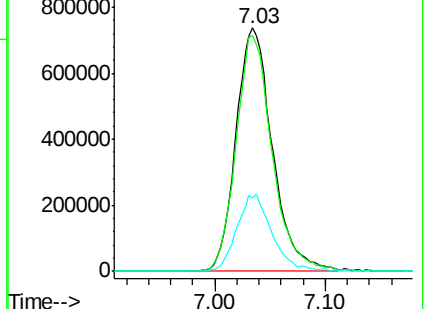
121 30.0 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.993 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

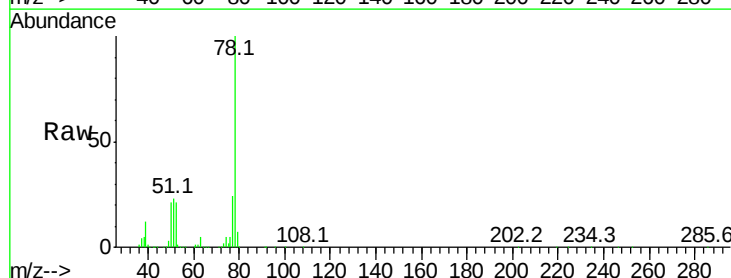
Tgt Ion: 78 Resp: 2480560

Ion Ratio Lower Upper

78 100

77 23.5 19.4 29.2

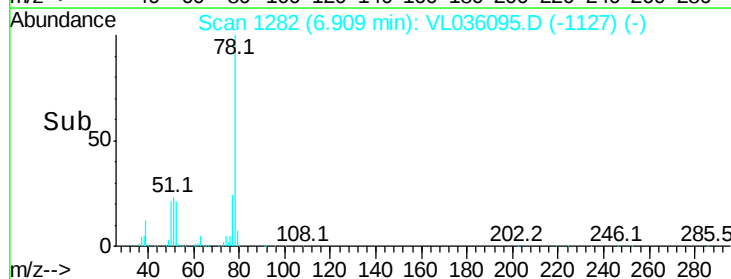
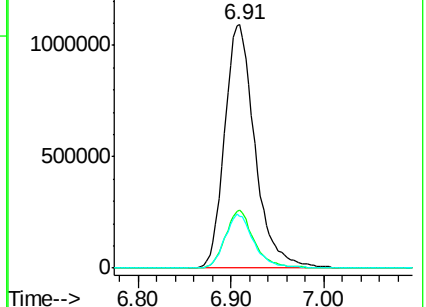
50 20.9 17.8 26.8

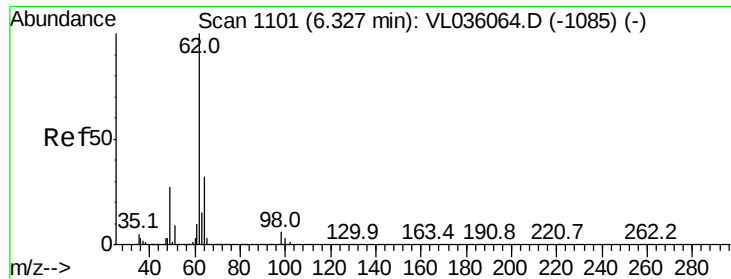


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.646 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

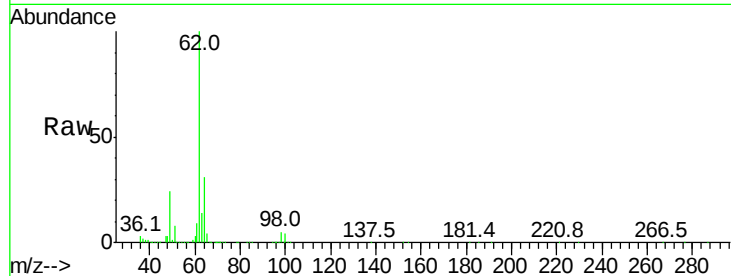
BFB

Tgt Ion: 62 Resp: 1522851

Ion Ratio Lower Upper

62 100

98 5.3 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

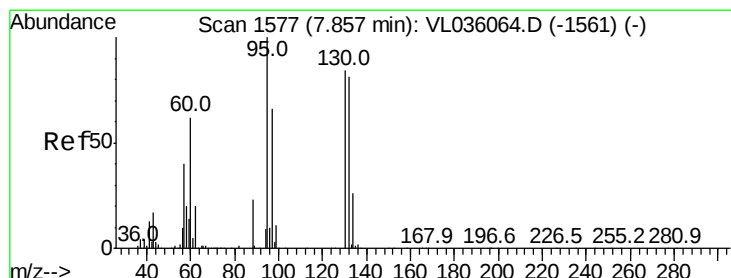
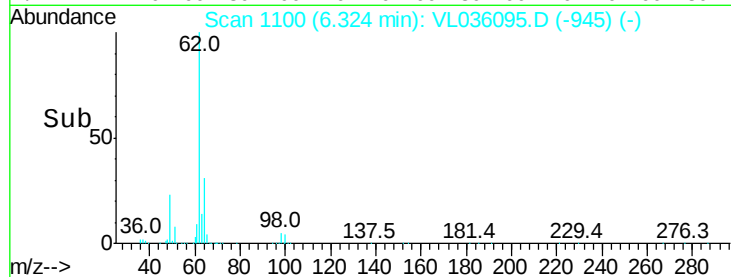
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.859 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 130 Resp: 747309

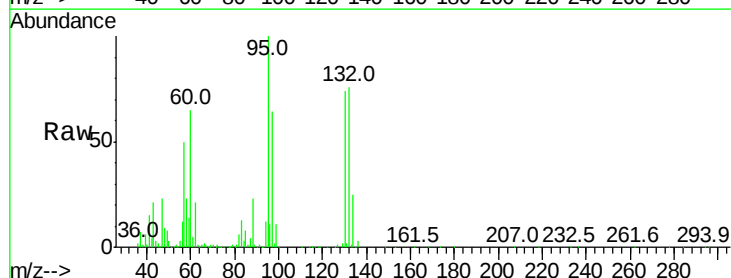
Ion Ratio Lower Upper

130 100

95 135.3 95.2 142.8

132 103.4 76.9 115.3

97 86.9 62.3 93.5



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

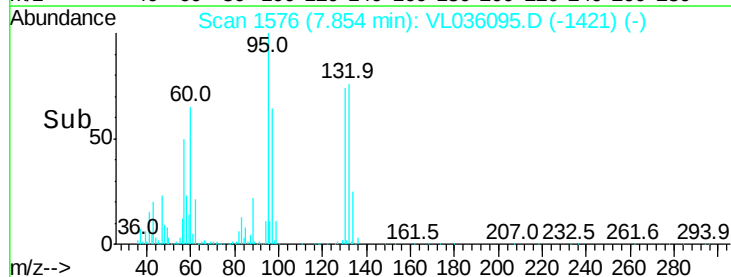
600000

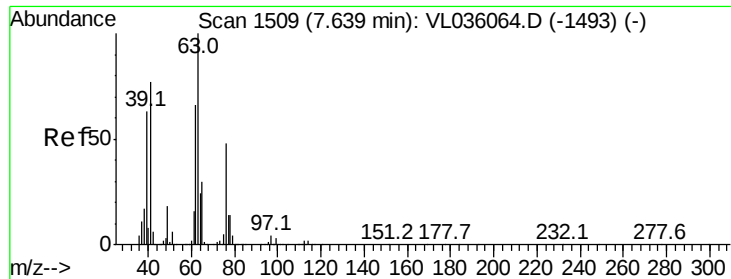
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 11.138 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampled :

BFB

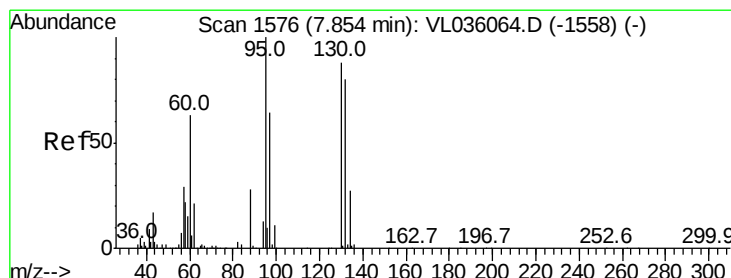
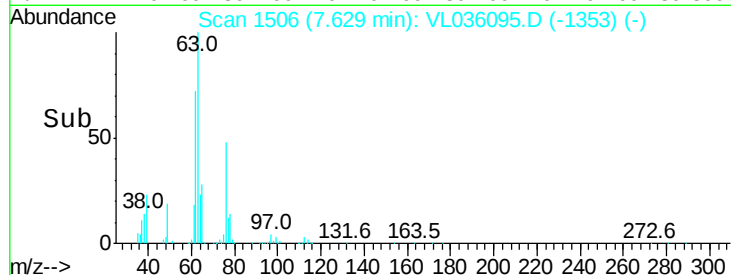
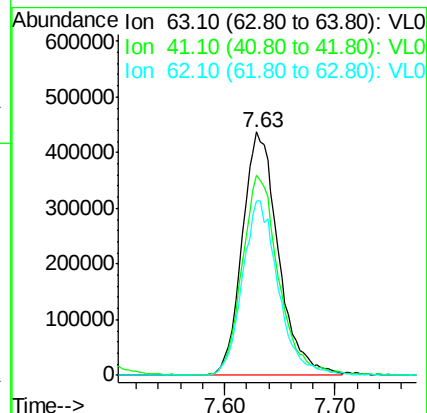
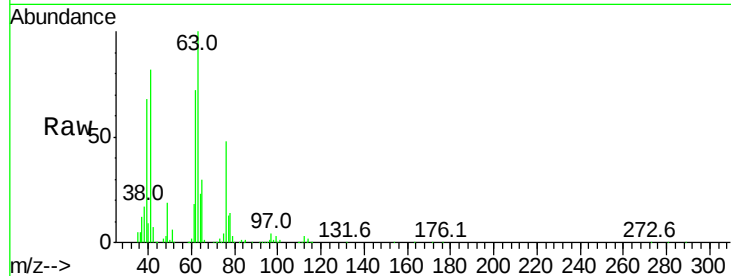
Tgt Ion: 63 Resp: 992556

Ion Ratio Lower Upper

63 100

41 81.7 61.9 92.9

62 71.5 52.5 78.7



#40

1,4-Dioxane

Concen: 6.598 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 88 Resp: 184933

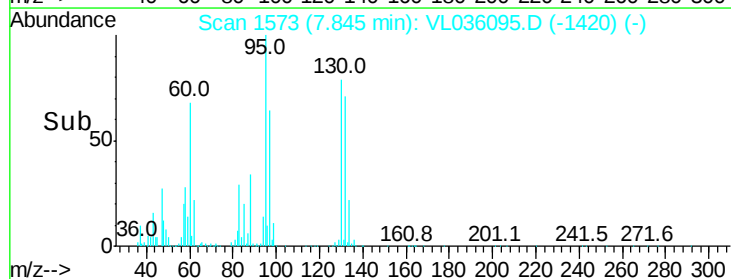
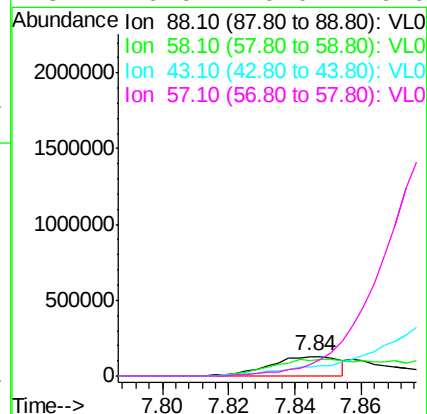
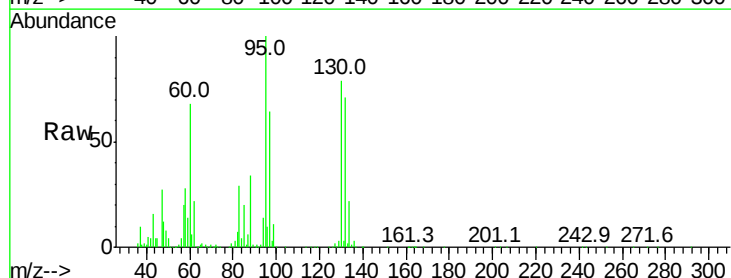
Ion Ratio Lower Upper

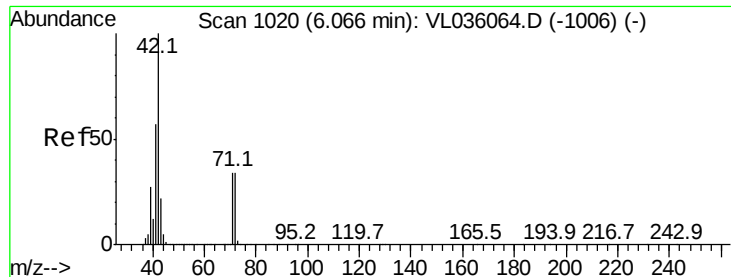
88 100

58 128.8 122.6 184.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.548 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

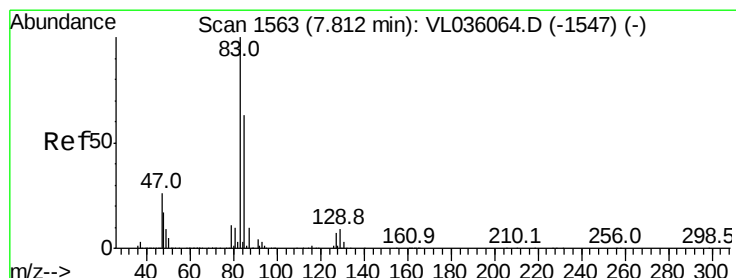
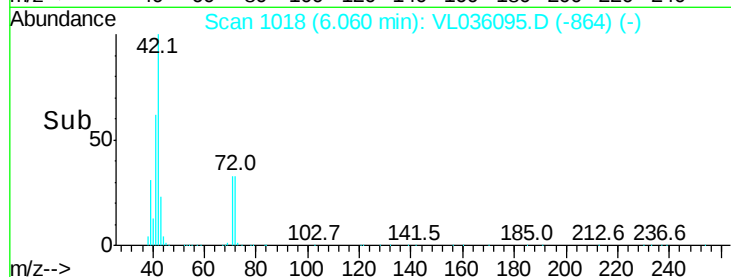
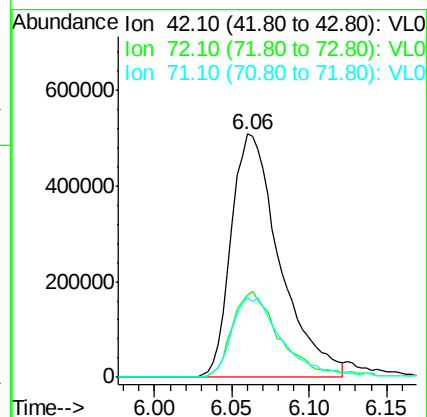
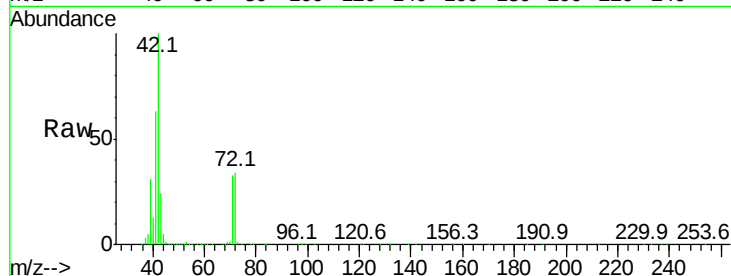
Tgt Ion: 42 Resp: 1106784

Ion Ratio Lower Upper

42 100

72 36.5 28.3 42.5

71 35.0 27.3 40.9



#42

Bromodichloromethane

Concen: 11.338 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

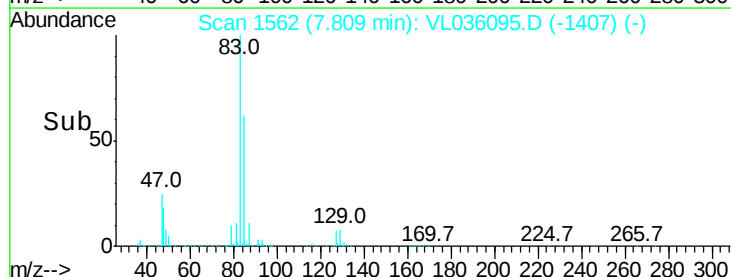
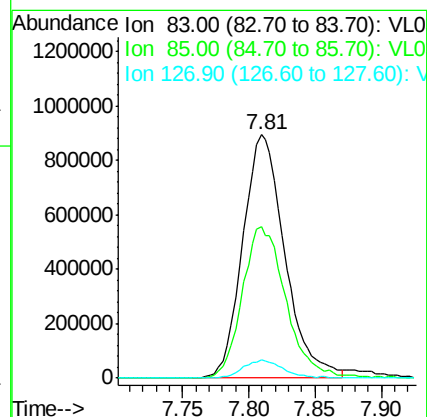
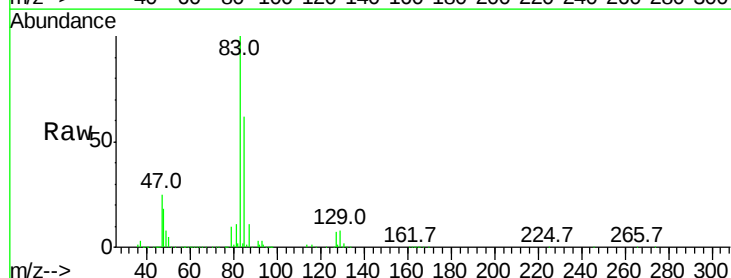
Tgt Ion: 83 Resp: 1975472

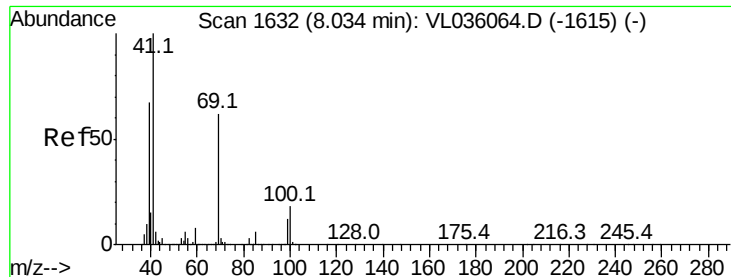
Ion Ratio Lower Upper

83 100

85 62.0 50.2 75.2

127 7.4 5.5 8.3

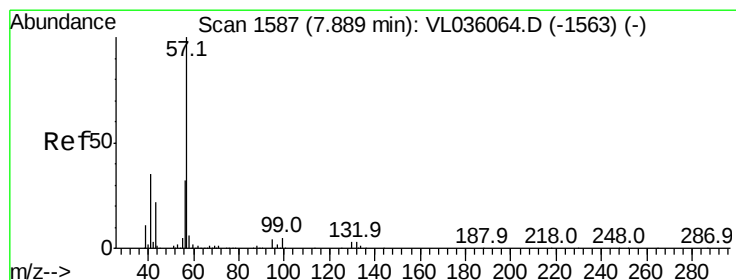
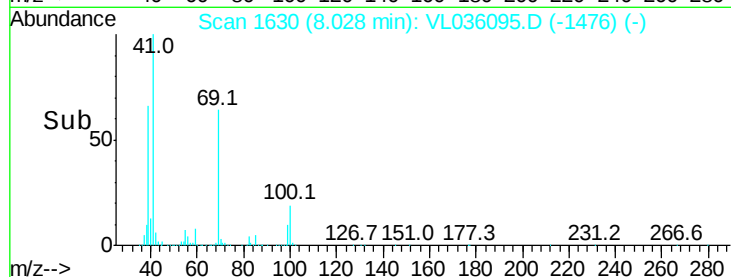
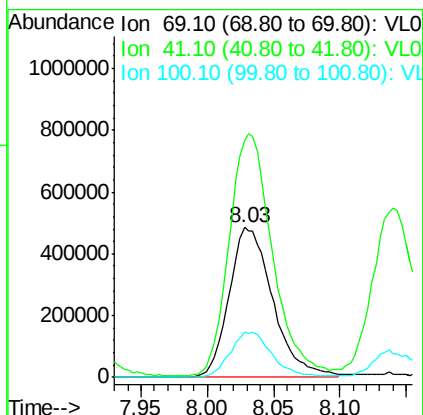
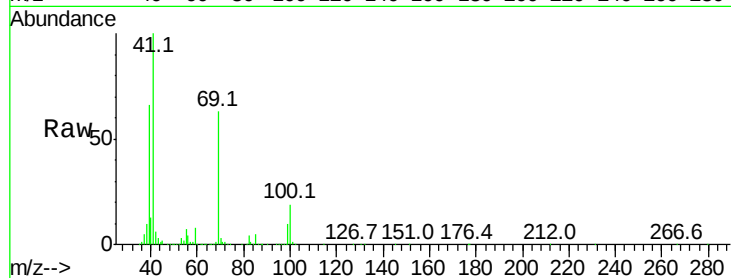




#43
Methyl Methacrylate
Concen: 11.450 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

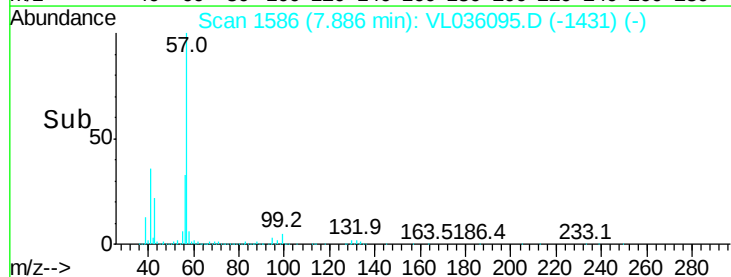
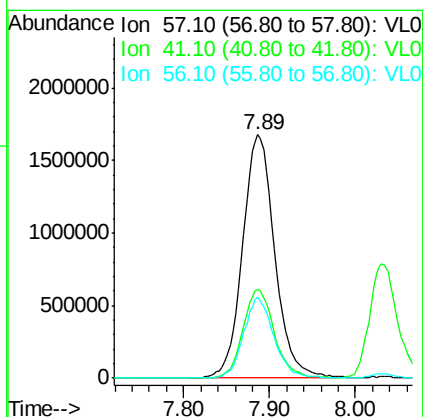
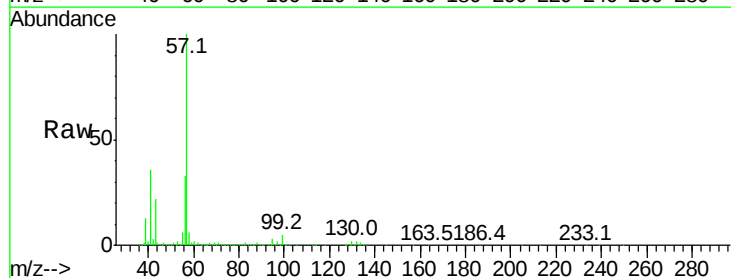
Instrument :
MSVOA_L
ClientSampleId :
BFB

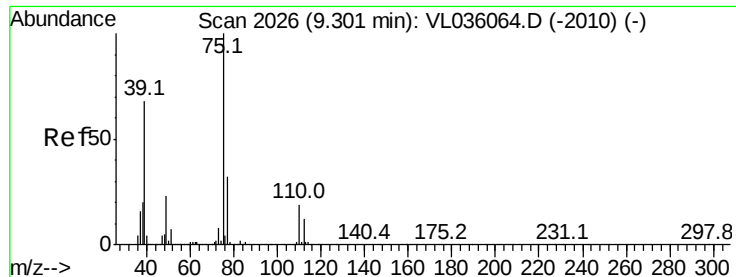
Tgt Ion: 69 Resp: 1108446
Ion Ratio Lower Upper
69 100
41 162.3 133.0 199.6
100 29.3 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.670 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 57 Resp: 4360334
Ion Ratio Lower Upper
57 100
41 35.3 28.9 43.3
56 31.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.614 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

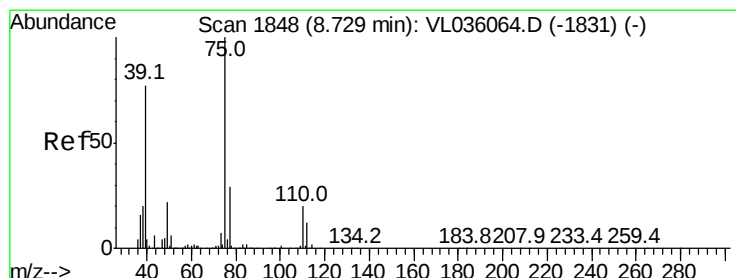
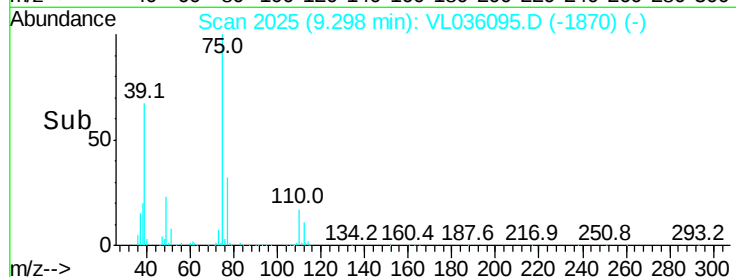
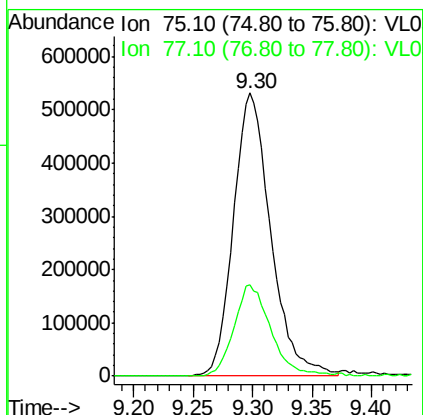
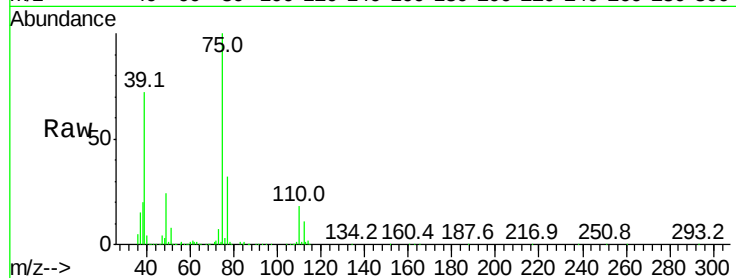
BFB

Tgt Ion: 75 Resp: 1155095

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 11.372 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

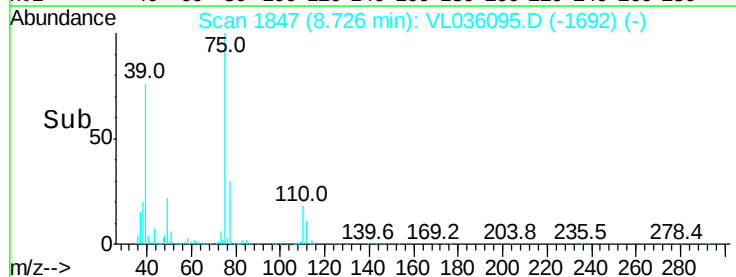
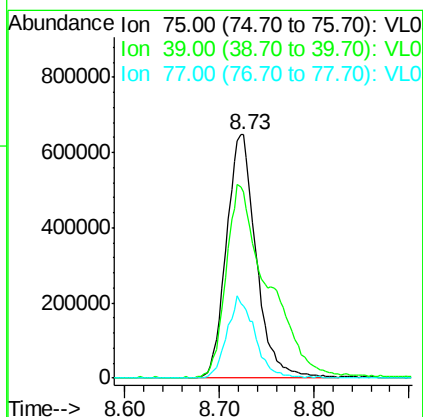
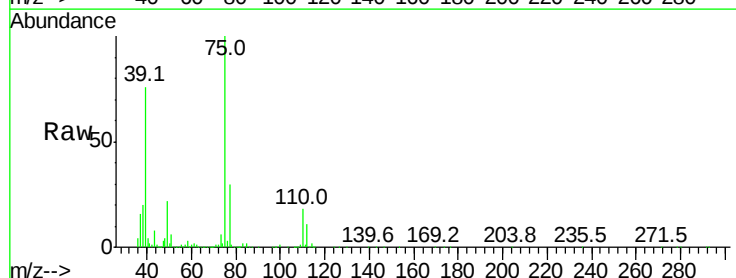
Tgt Ion: 75 Resp: 1417552

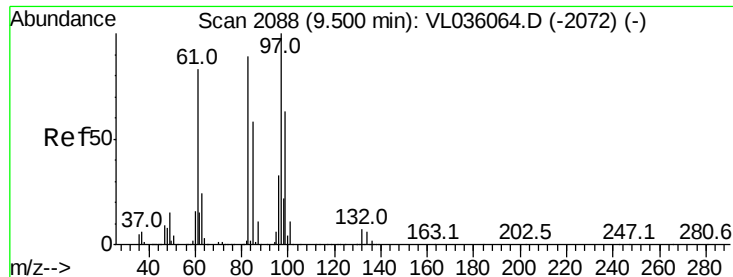
Ion Ratio Lower Upper

75 100

39 76.0 61.6 92.4

77 29.9 23.0 34.6

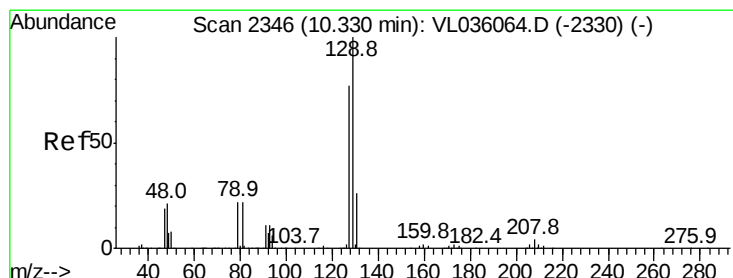
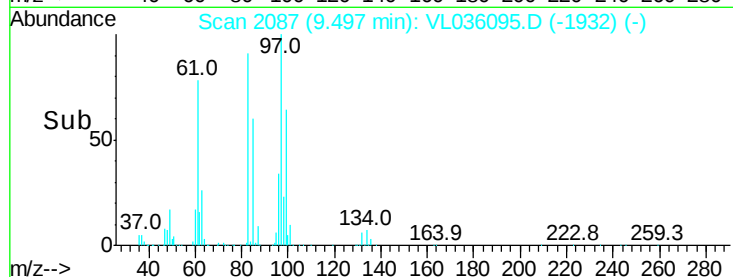
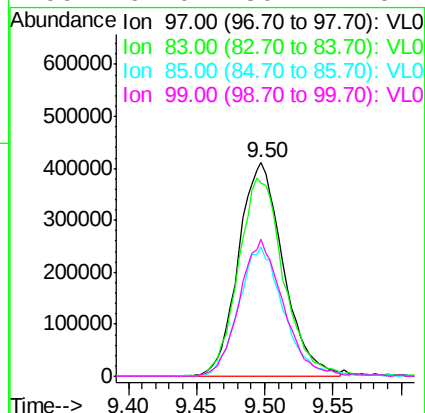
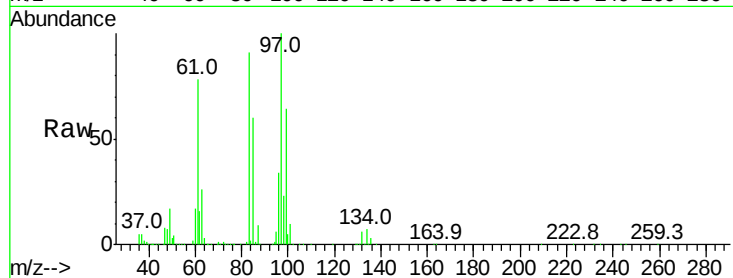




#47
 1,1,2-Trichloroethane
 Concen: 10.905 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

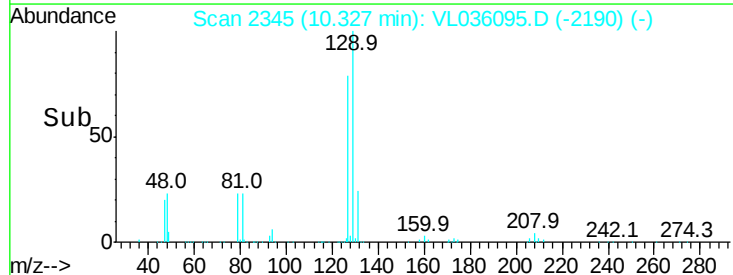
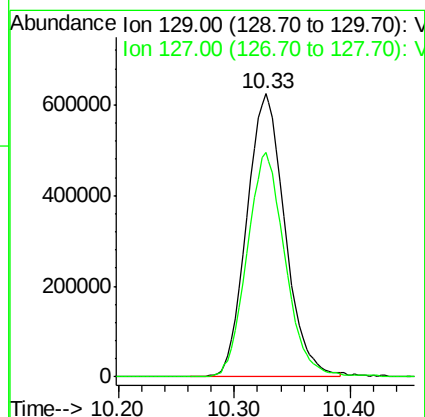
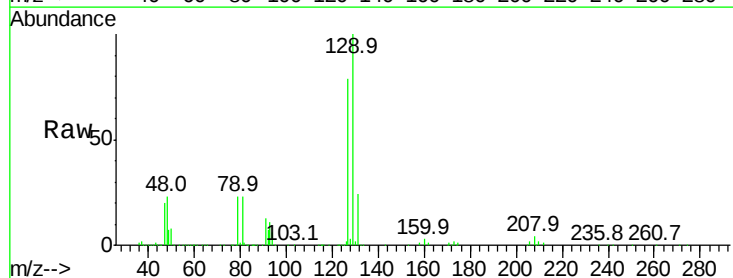
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

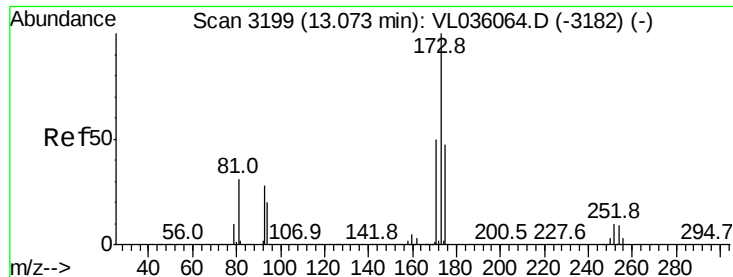
Tgt Ion:	97	Resp:	934900
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.4	107.2
85	60.3	46.6	70.0
99	64.0	50.7	76.1



#48
 Dibromochloromethane
 Concen: 11.055 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion:	129	Resp:	1431251
Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.0	117.0





#49

Bromoform

Concen: 11.440 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

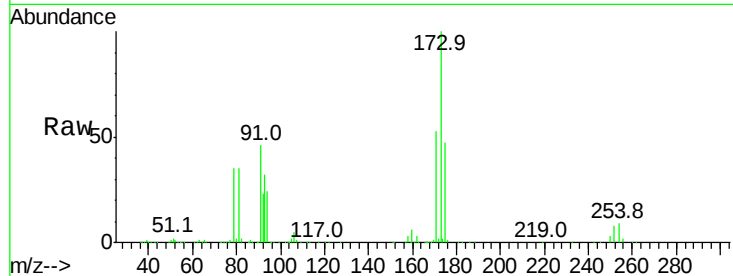
Tgt Ion:173 Resp: 1165788

Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.6

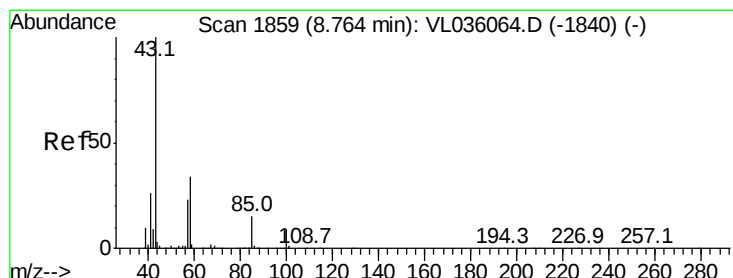
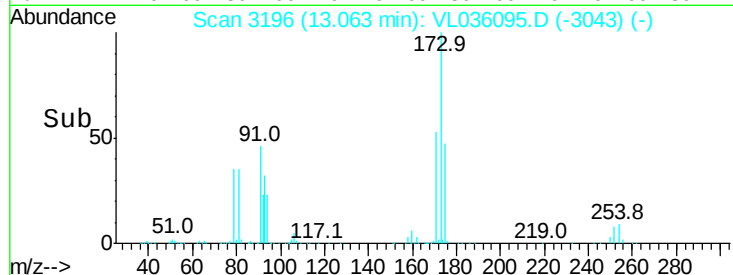
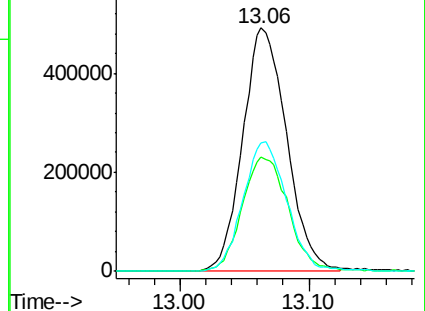
171 53.4 42.5 63.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.029 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VL036095.D

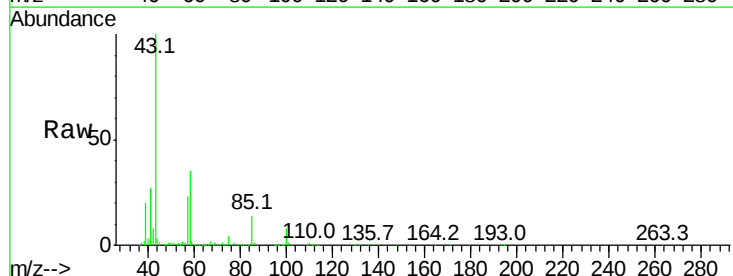
Acq: 8 Dec 2020 10:57

Tgt Ion: 43 Resp: 2905111

Ion Ratio Lower Upper

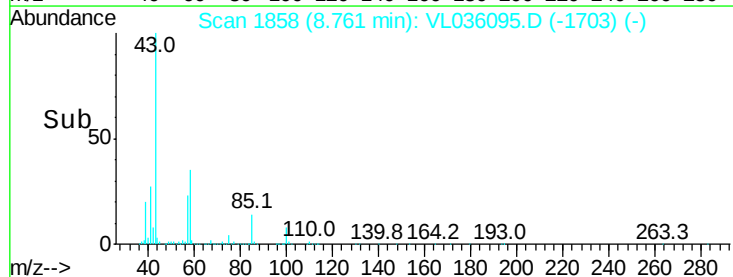
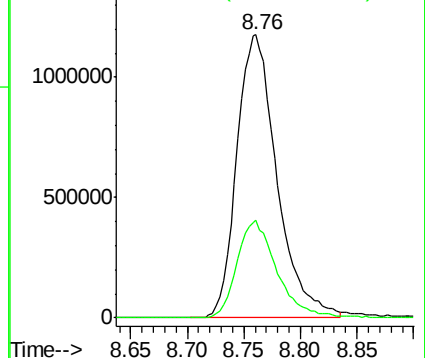
43 100

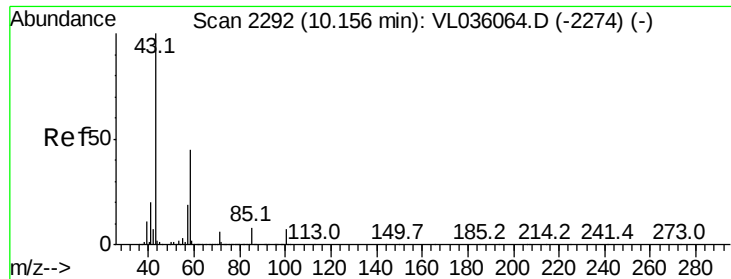
58 34.6 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.470 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

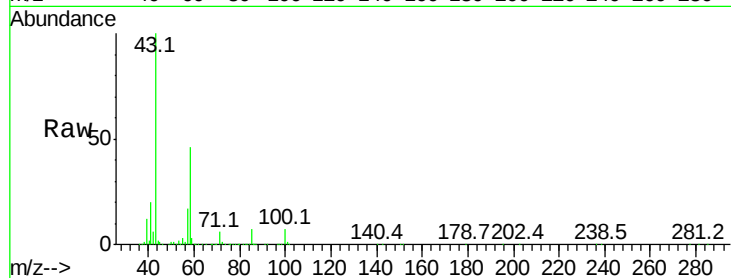
Tgt Ion: 43 Resp: 2361529

Ion Ratio Lower Upper

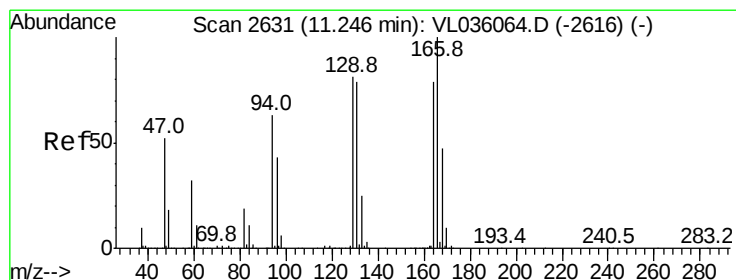
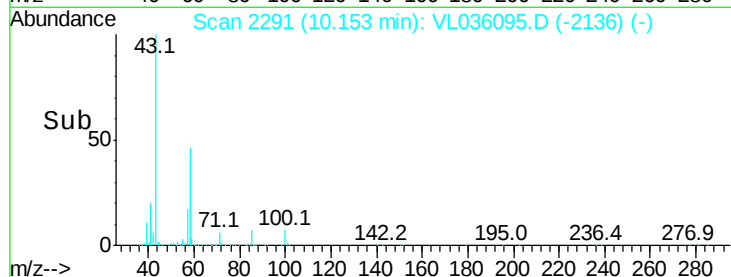
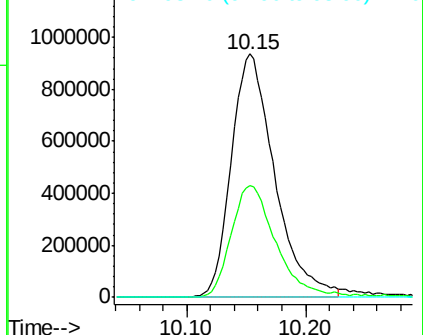
43 100

58 48.2 38.7 58.1

98 0.1 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.044 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 164 Resp: 738759

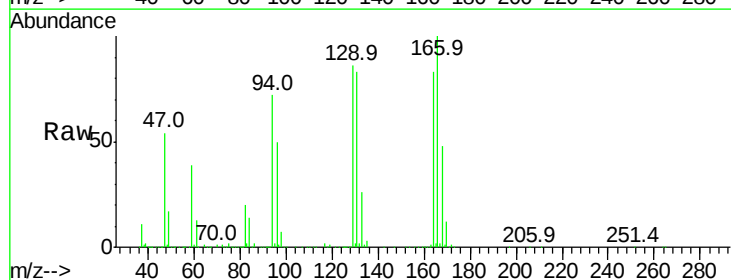
Ion Ratio Lower Upper

164 100

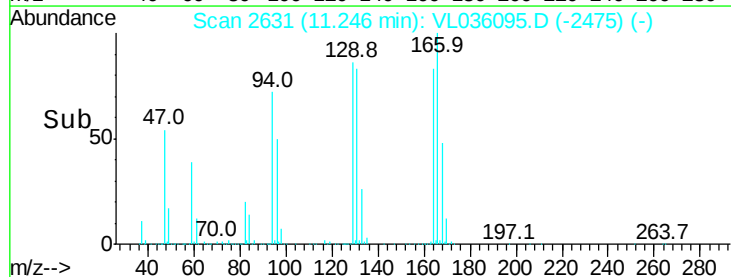
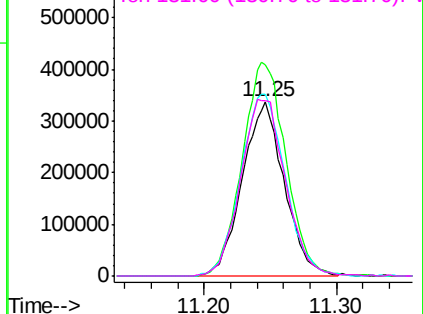
166 121.1 101.9 152.9

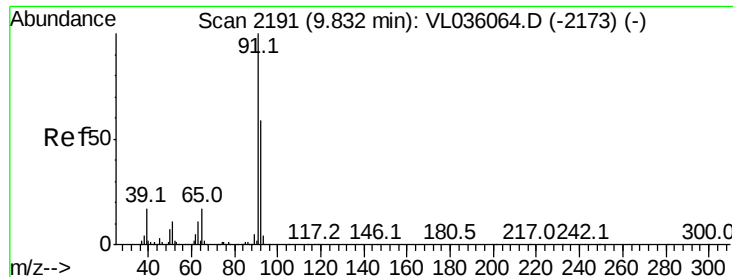
129 103.8 82.1 123.1

131 100.8 80.8 121.2



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: 10.877 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

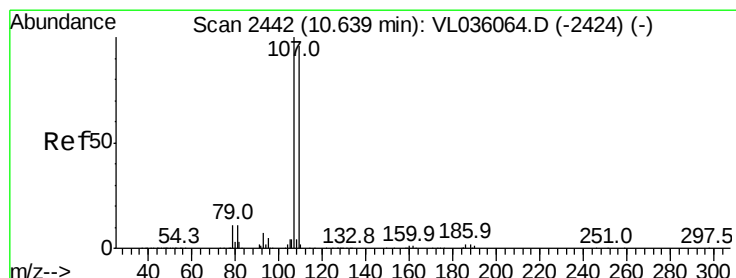
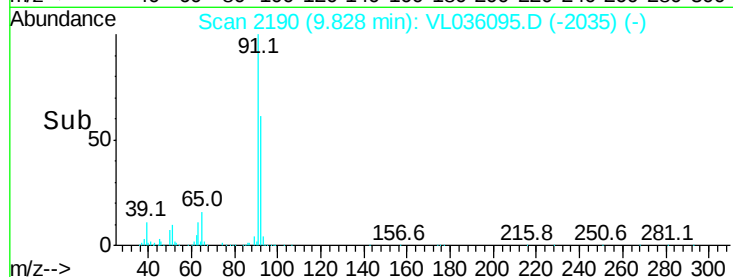
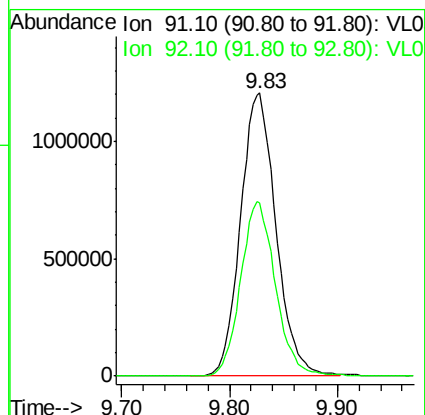
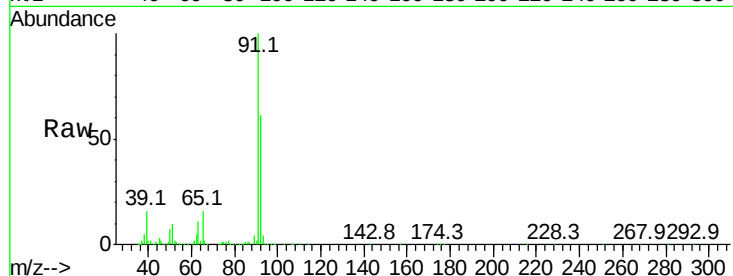
BFB

Tgt Ion: 91 Resp: 2756117

Ion Ratio Lower Upper

91 100

92 60.7 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.762 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL036095.D

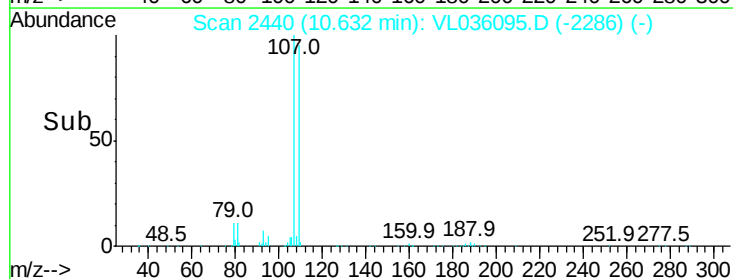
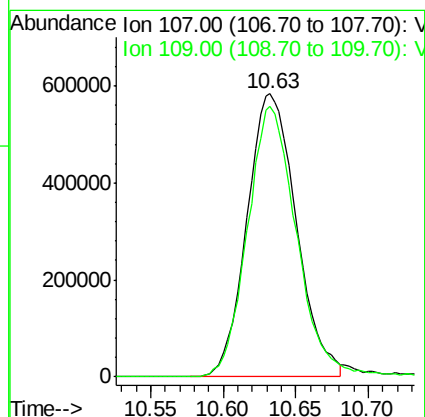
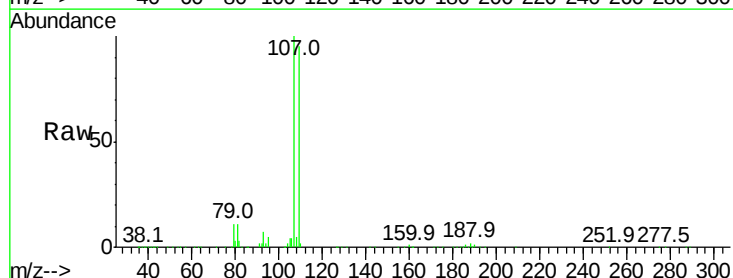
Acq: 8 Dec 2020 10:57

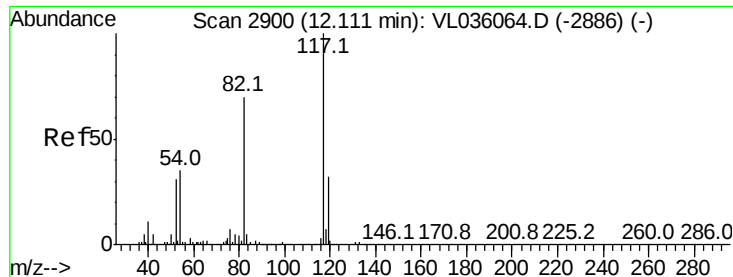
Tgt Ion: 107 Resp: 1383029

Ion Ratio Lower Upper

107 100

109 95.3 76.6 115.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

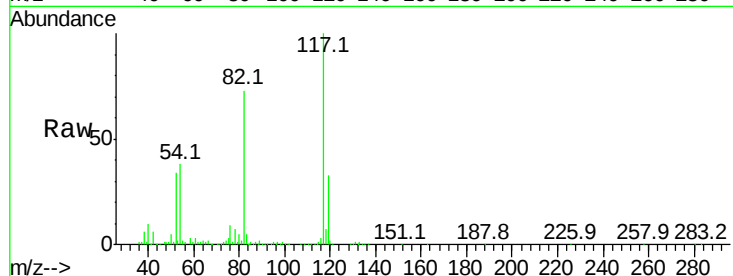
Tgt Ion:117 Resp: 3127207

Ion Ratio Lower Upper

117 100

82 61.3 0.0 0.0#

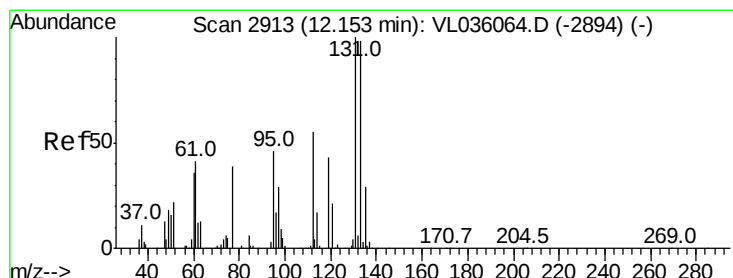
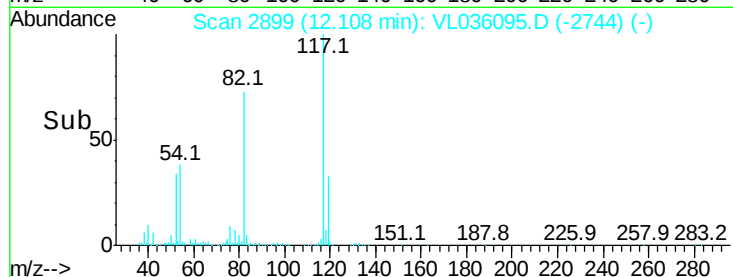
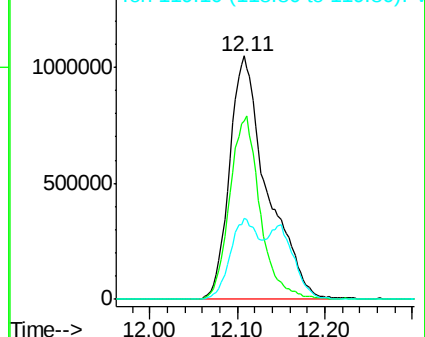
119 25.9 0.0 0.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.353 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

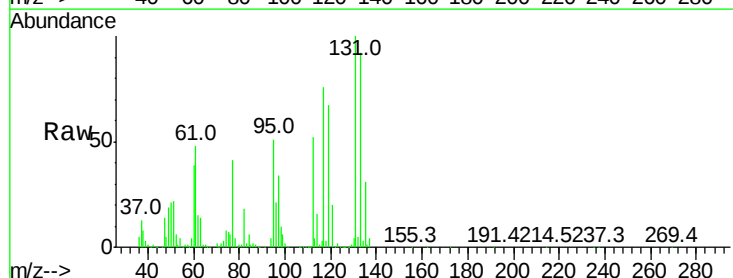
Tgt Ion:131 Resp: 1083103

Ion Ratio Lower Upper

131 100

133 95.1 77.7 116.5

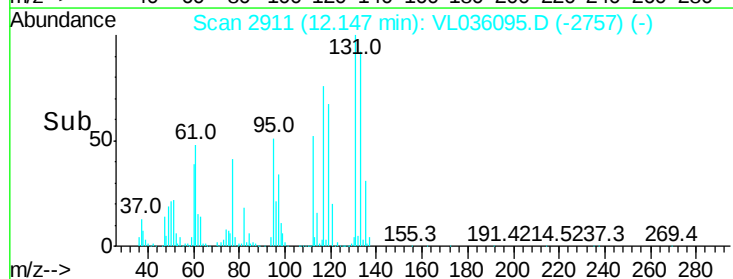
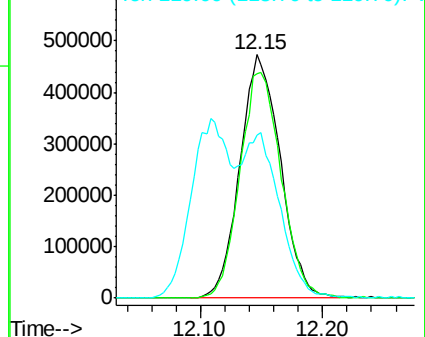
119 56.7 51.6 77.4

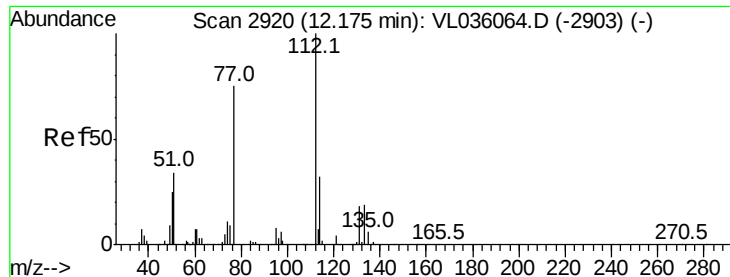


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.405 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampled :

BFB

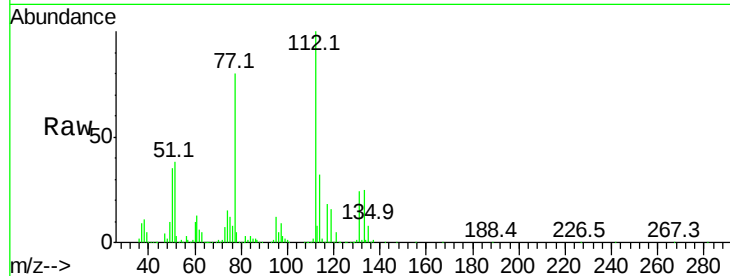
Tgt Ion: 112 Resp: 1845199

Ion Ratio Lower Upper

112 100

77 79.6 60.5 90.7

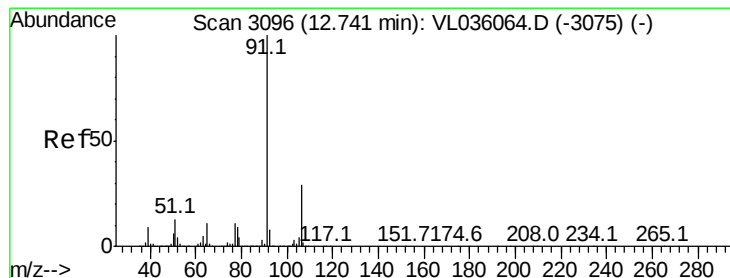
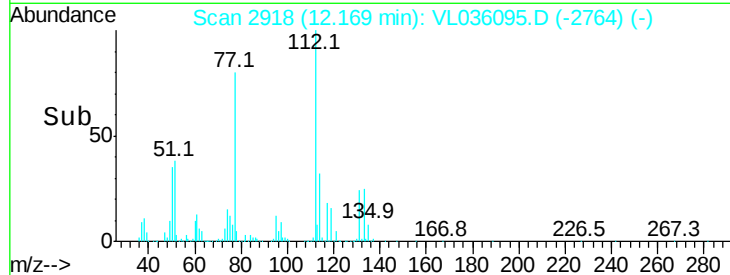
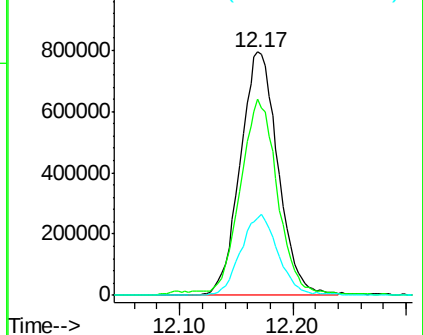
114 31.7 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.737 ppbv

RT: 12.74 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL036095.D

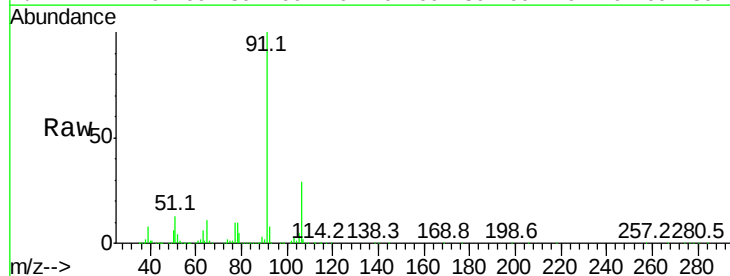
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 3744504

Ion Ratio Lower Upper

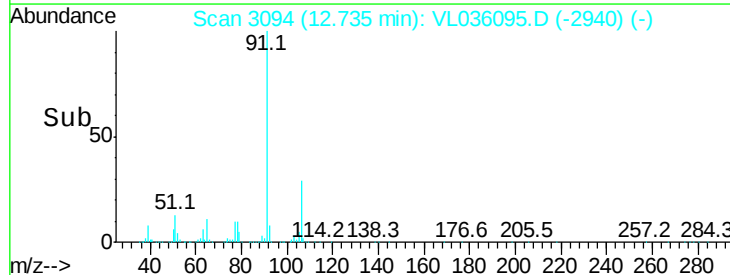
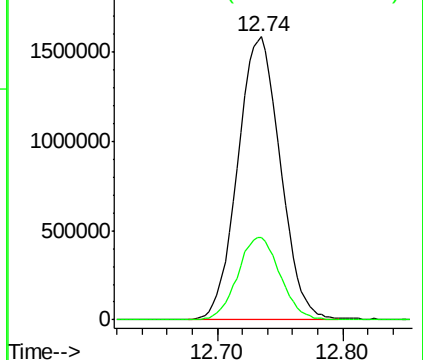
91 100

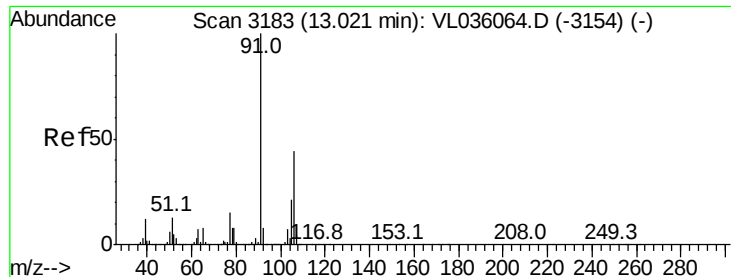
106 29.3 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

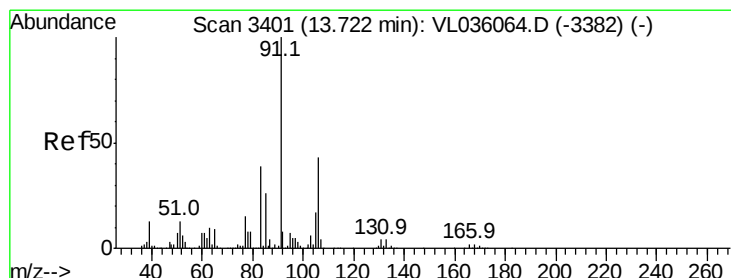
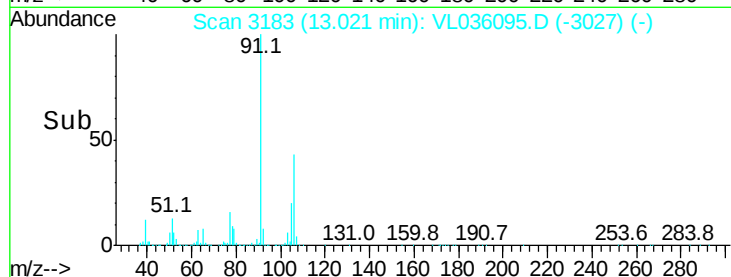
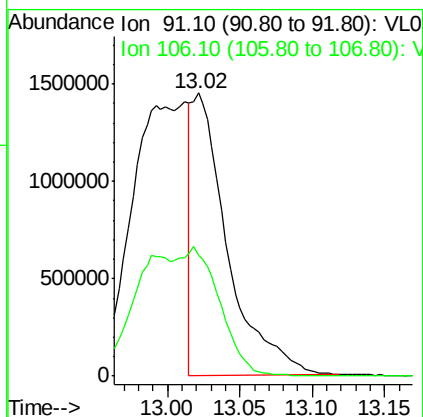
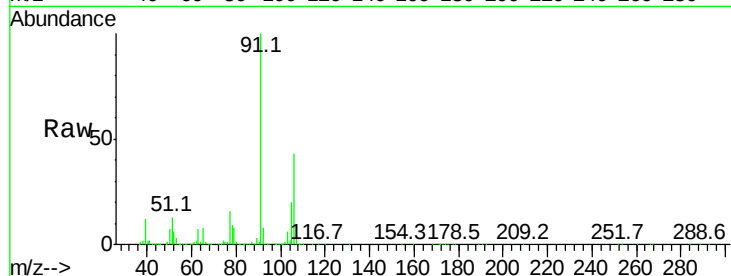




#59
m/p-Xylene
Concen: 6.777 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

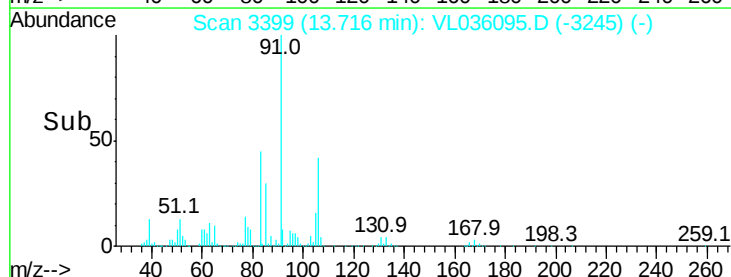
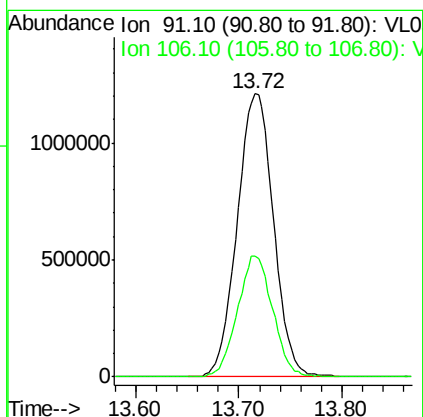
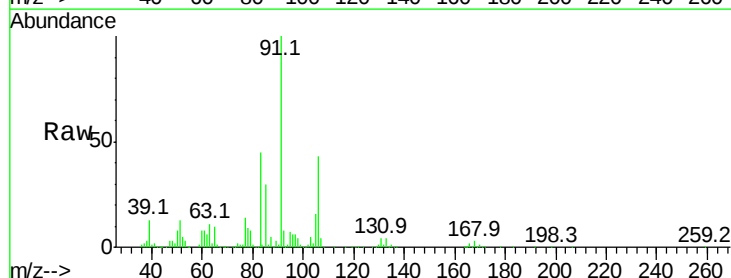
Instrument :
MSVOA_L
ClientSampleId :
BFB

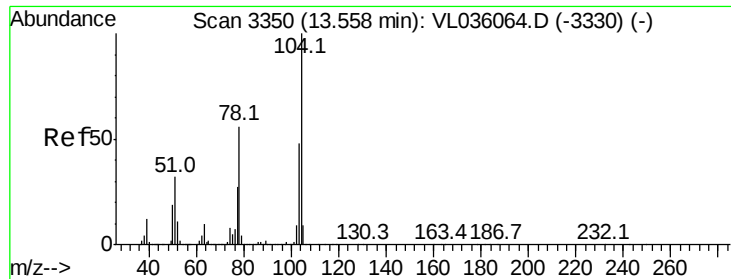
Tgt Ion: 91 Resp: 2446045
Ion Ratio Lower Upper
91 100
106 105.1 33.6 50.4#



#60
o-Xylene
Concen: 8.688 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 2954718
Ion Ratio Lower Upper
91 100
106 41.8 21.6 64.6





#61

Styrene

Concen: 9.361 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampled :

BFB

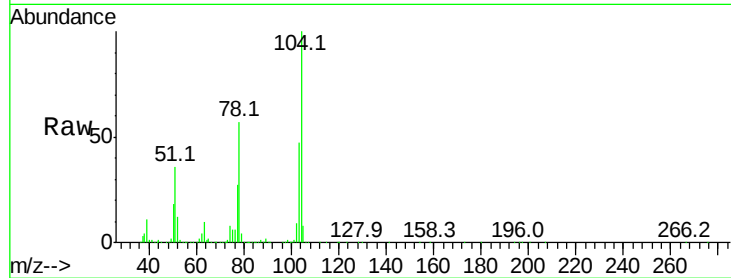
Tgt Ion:104 Resp: 2043889

Ion Ratio Lower Upper

104 100

78 60.3 45.8 68.8

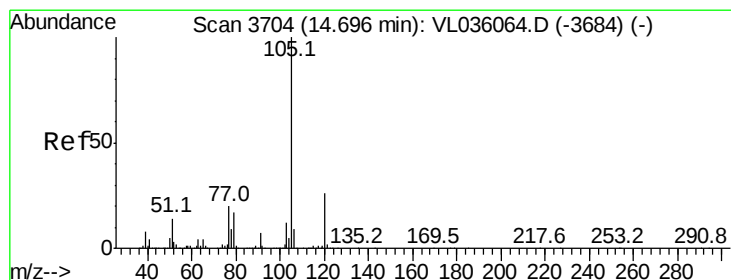
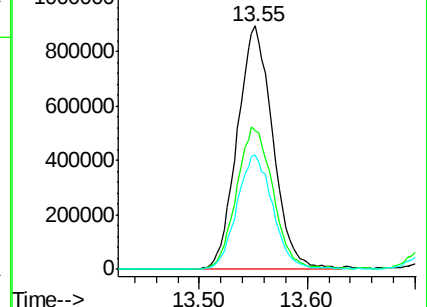
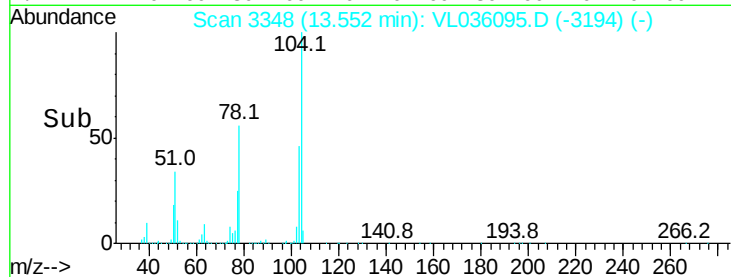
103 47.5 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.459 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL036095.D

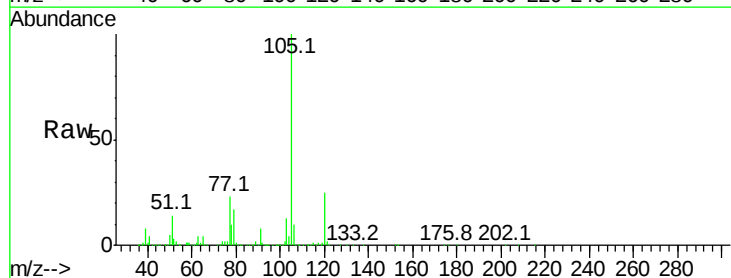
Acq: 8 Dec 2020 10:57

Tgt Ion:105 Resp: 4264525

Ion Ratio Lower Upper

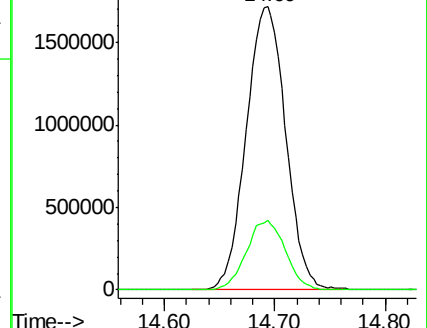
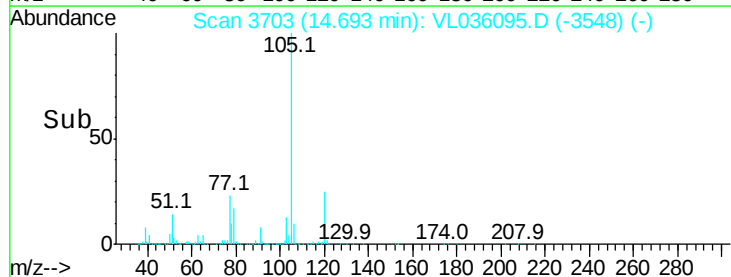
105 100

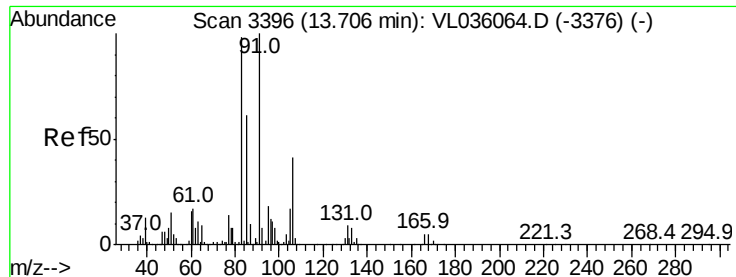
120 24.3 20.1 30.1



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: 8.711 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

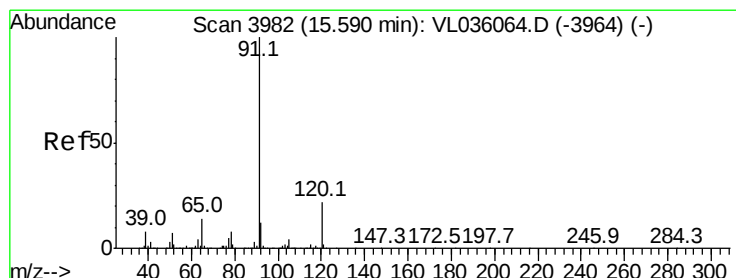
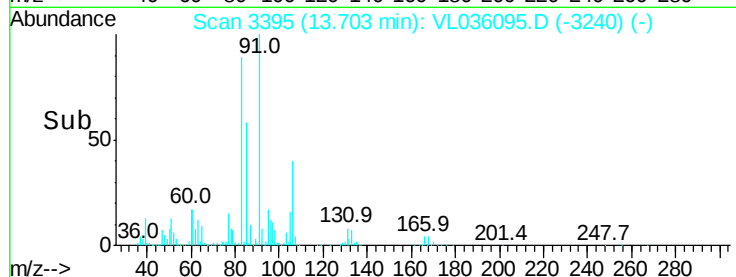
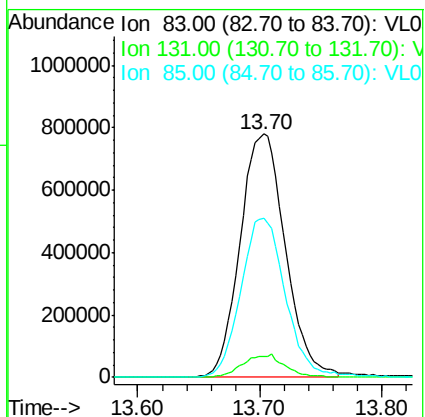
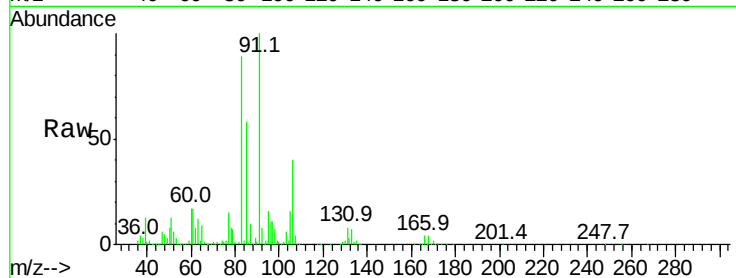
Tgt Ion: 83 Resp: 1995056

Ion Ratio Lower Upper

83 100

131 8.8 4.6 13.8

85 65.0 32.5 97.5



#64

n-propylbenzene

Concen: 8.669 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.00 min

Lab File: VL036095.D

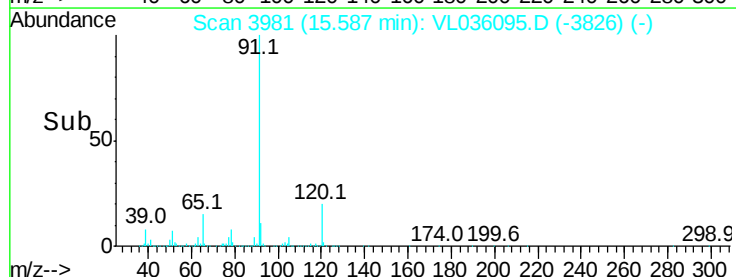
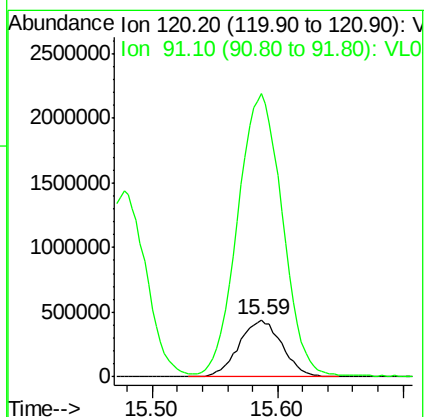
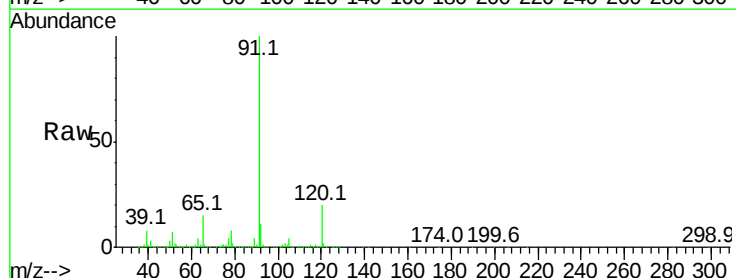
Acq: 8 Dec 2020 10:57

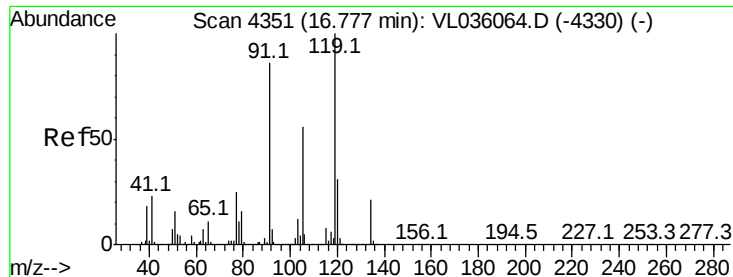
Tgt Ion: 120 Resp: 1051369

Ion Ratio Lower Upper

120 100

91 519.2 388.9 583.3

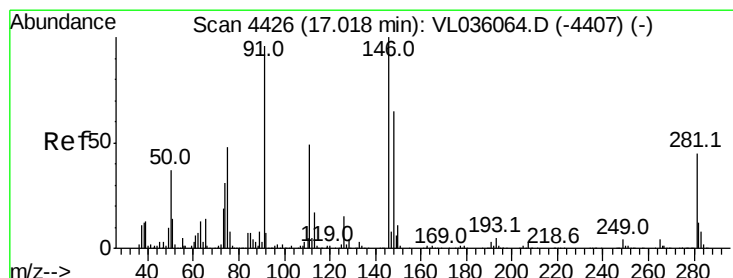
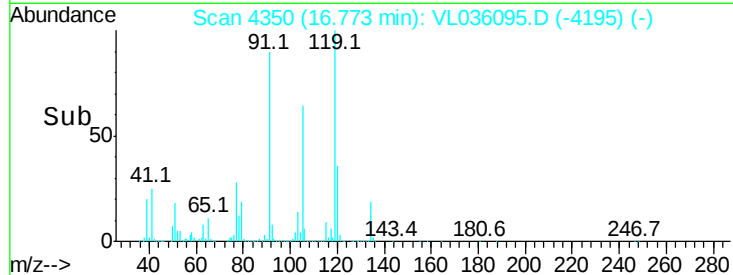
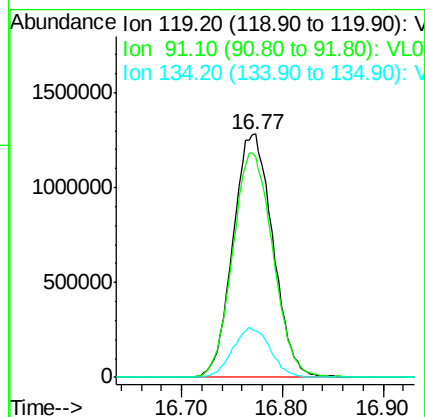
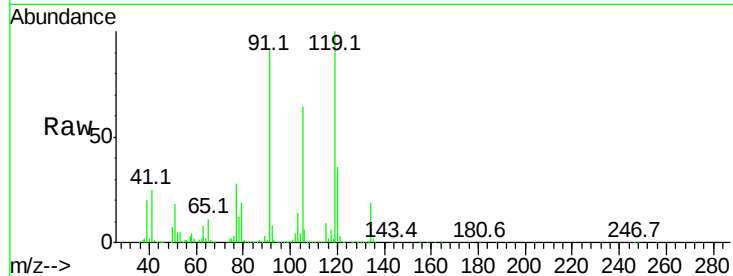




#65
tert-Butylbenzene
Concen: 8.501 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

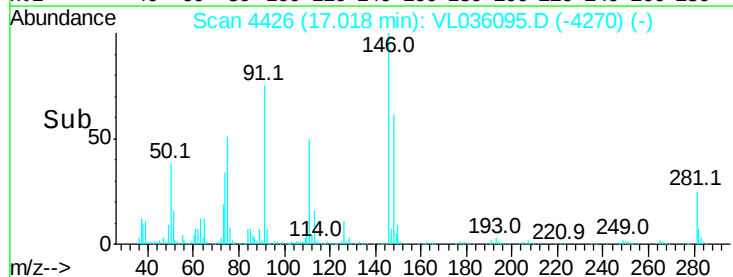
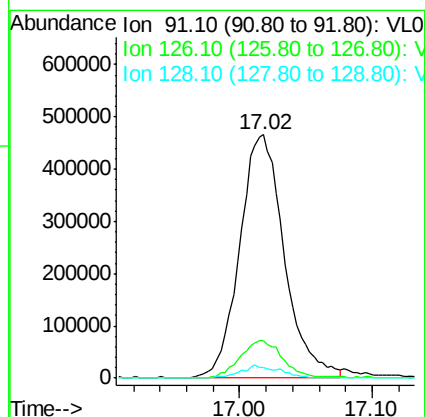
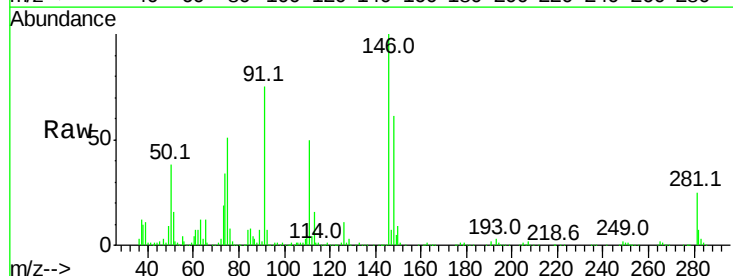
Instrument :
MSVOA_L
ClientSampleId :
BFB

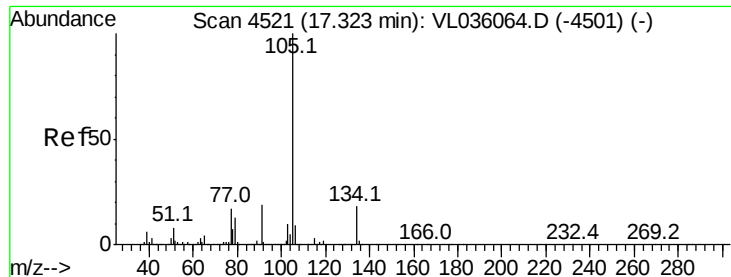
Tgt Ion: 119 Resp: 3507875
Ion Ratio Lower Upper
119 100
91 93.6 70.2 105.2
134 19.4 15.8 23.6



#66
Benzyl Chloride
Concen: 10.520 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 1080864
Ion Ratio Lower Upper
91 100
126 15.5 13.5 20.3
128 4.8 4.4 6.6

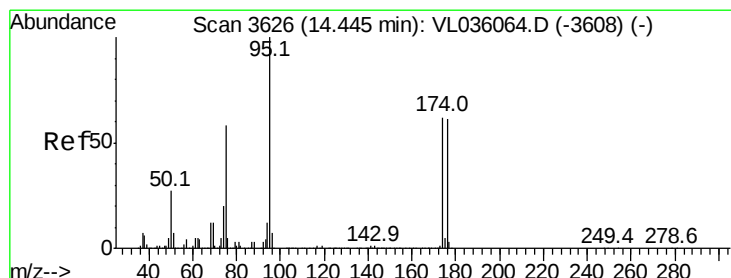
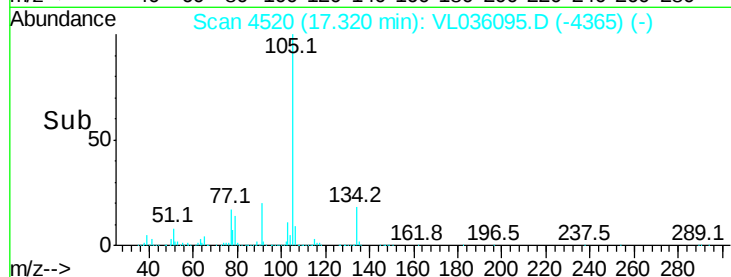
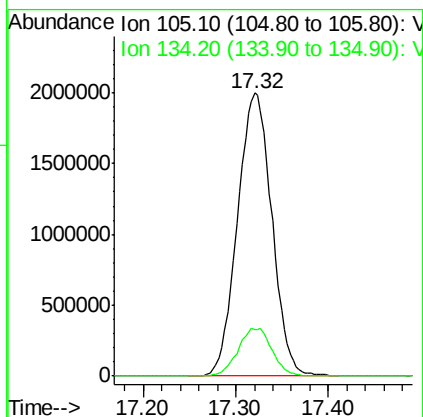
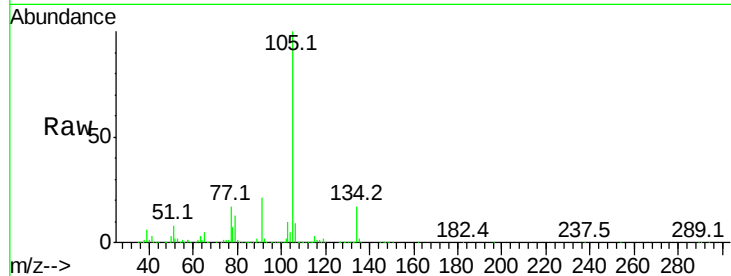




#67
 sec-Butylbenzene
 Concen: 8.876 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

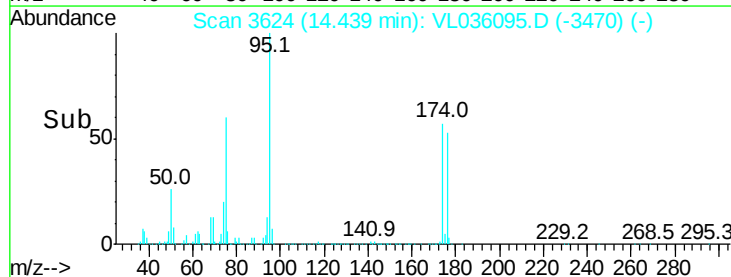
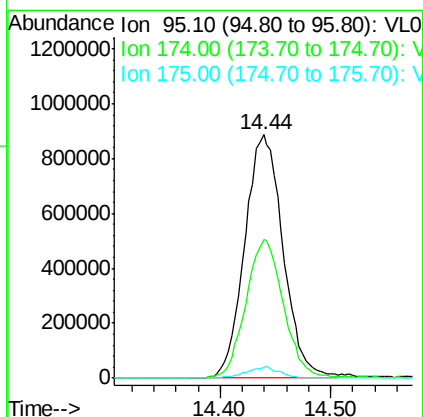
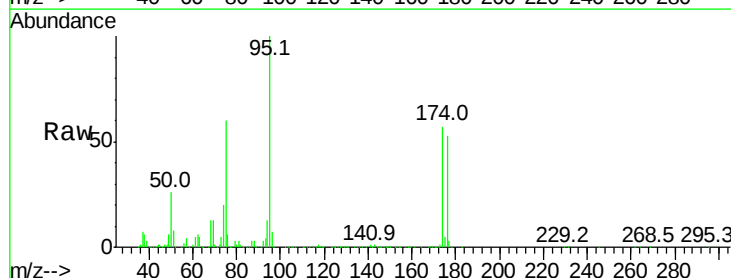
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

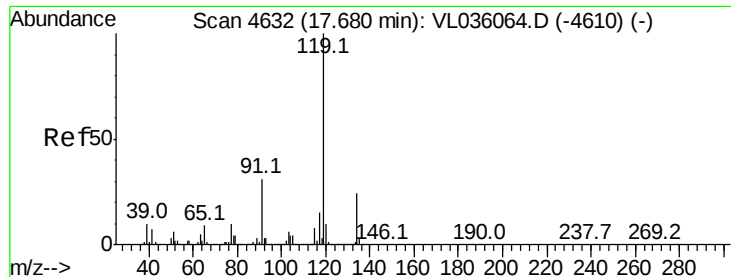
Tgt Ion: 105 Resp: 5125932
 Ion Ratio Lower Upper
 105 100
 134 16.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.598 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion: 95 Resp: 2134964
 Ion Ratio Lower Upper
 95 100
 174 56.7 50.7 76.1
 175 4.1 4.0 6.0

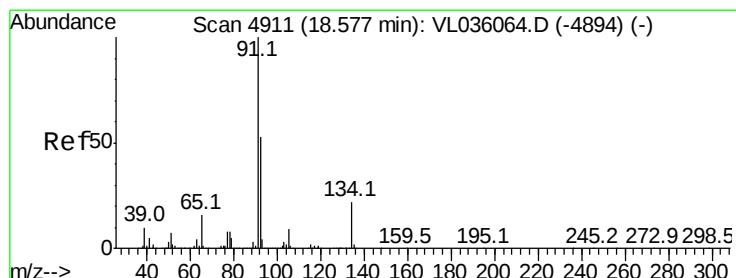
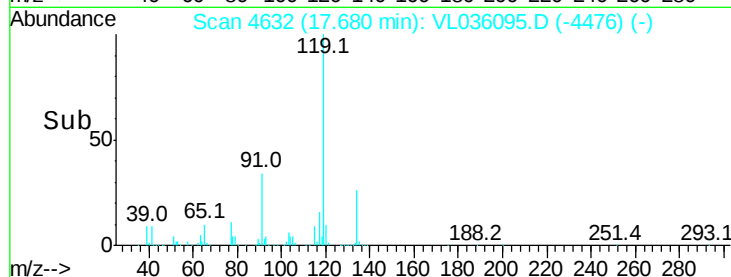
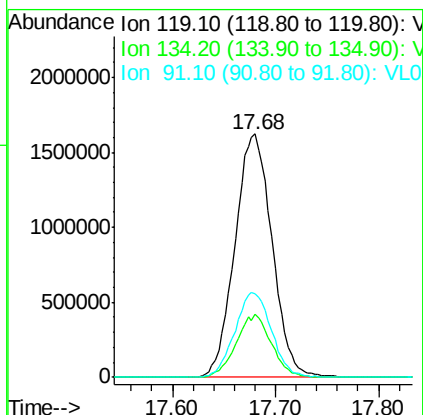
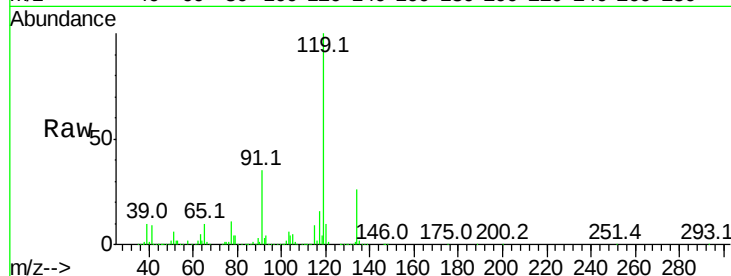




#69
p-Isopropyltoluene
Concen: 8.845 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

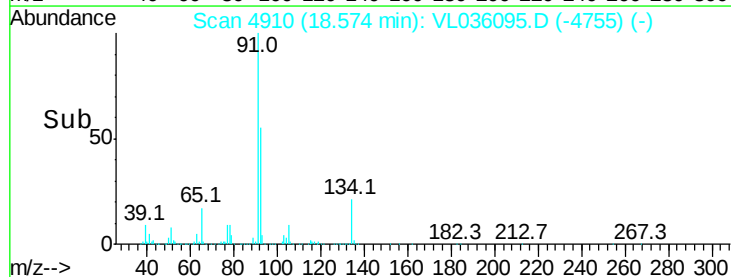
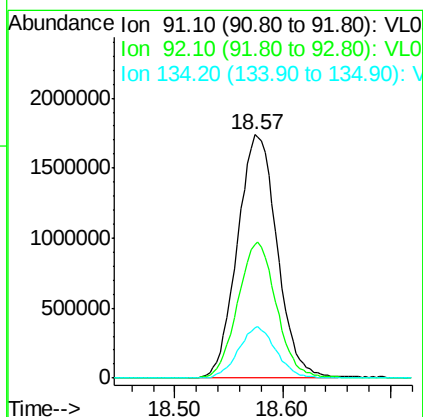
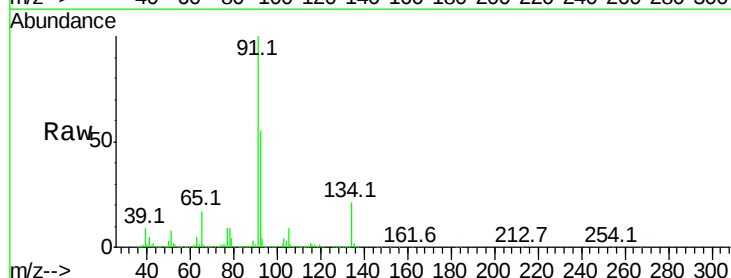
Instrument :
MSVOA_L
ClientSampled :
BFB

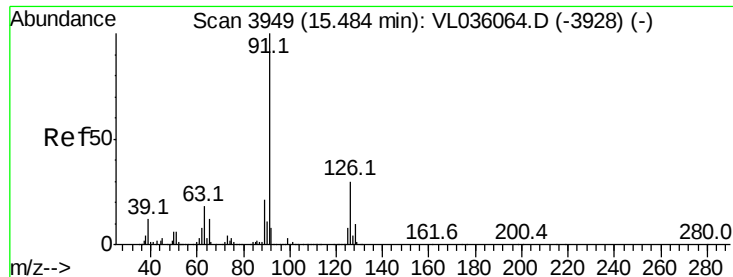
Tgt Ion: 119 Resp: 4062807
Ion Ratio Lower Upper
119 100
134 24.5 19.8 29.6
91 34.3 25.8 38.6



#70
n-Butylbenzene
Concen: 9.801 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 4449505
Ion Ratio Lower Upper
91 100
92 55.0 43.3 64.9
134 19.9 17.1 25.7





#71

2-Chlorotoluene

Concen: 9.135 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

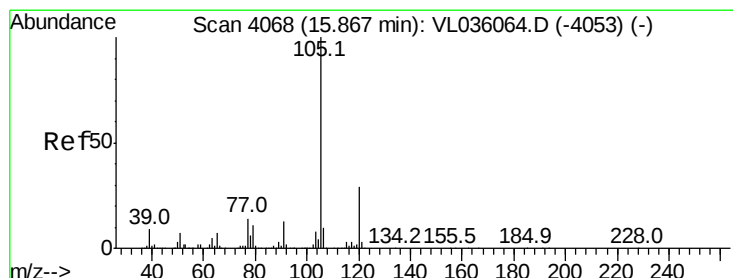
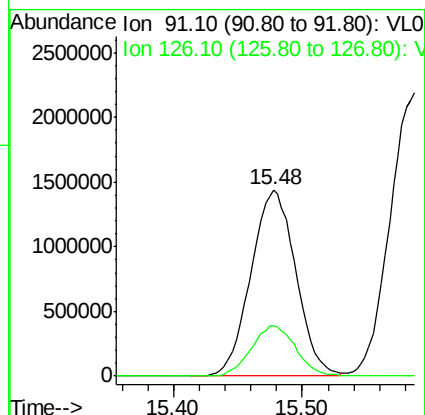
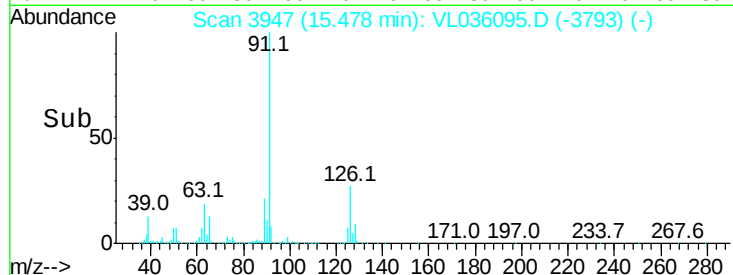
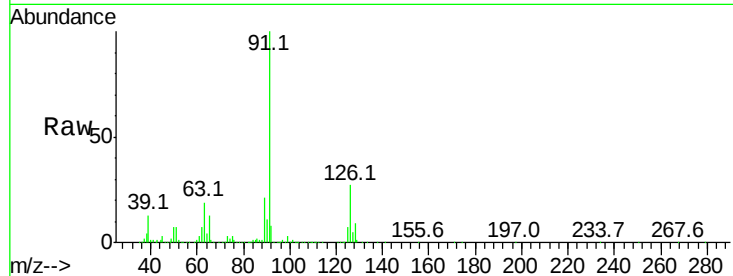
BFB

Tgt Ion: 91 Resp: 3481018

Ion Ratio Lower Upper

91 100

126 27.1 11.6 46.4



#72

4-Ethyltoluene

Concen: 9.080 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 105 Resp: 3344916

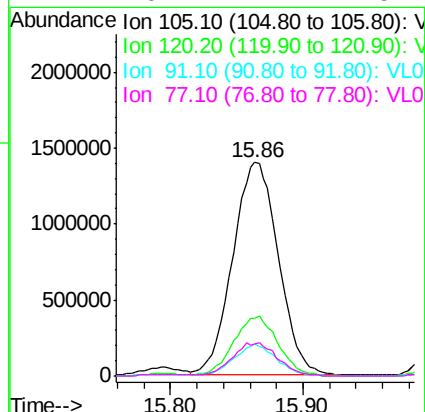
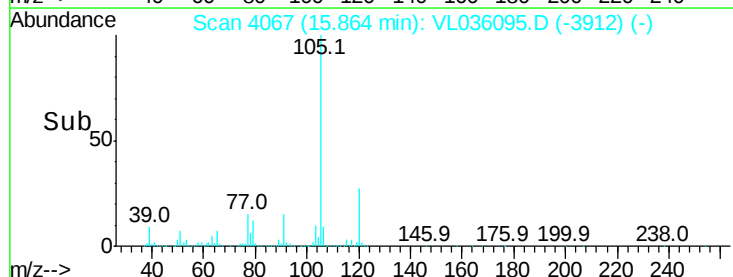
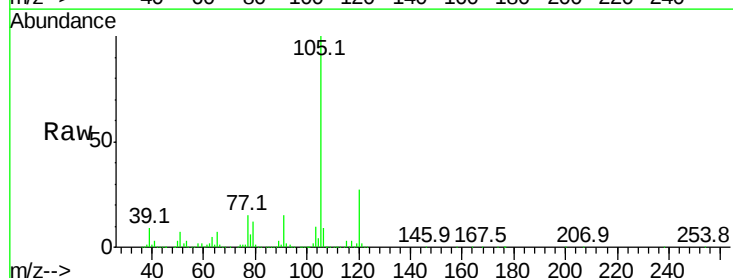
Ion Ratio Lower Upper

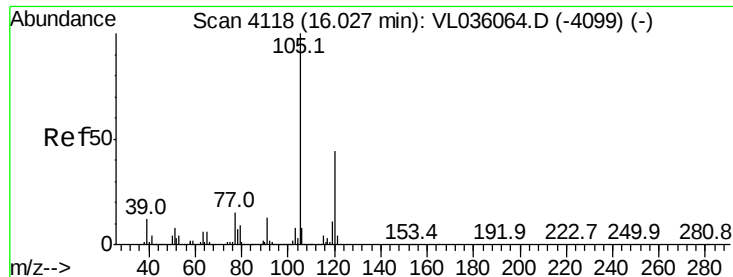
105 100

120 27.6 23.6 35.4

91 14.0 11.4 17.0

77 16.2 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 8.941 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampled :

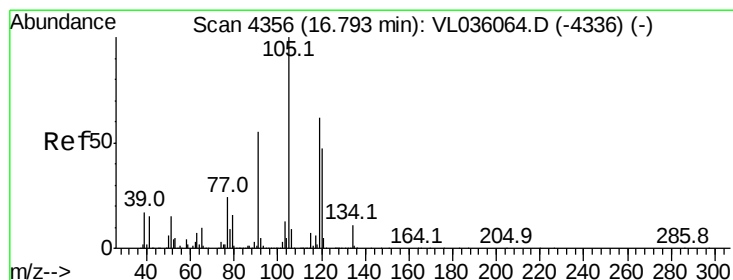
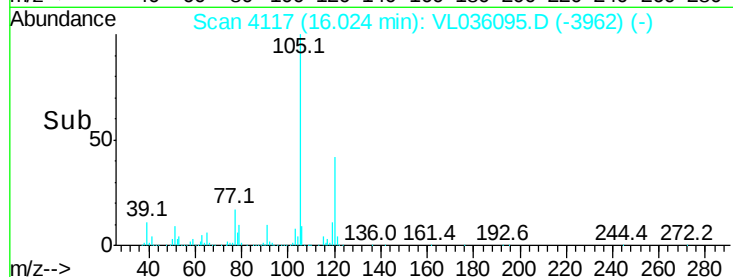
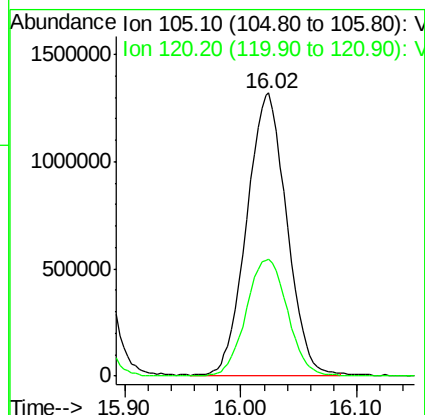
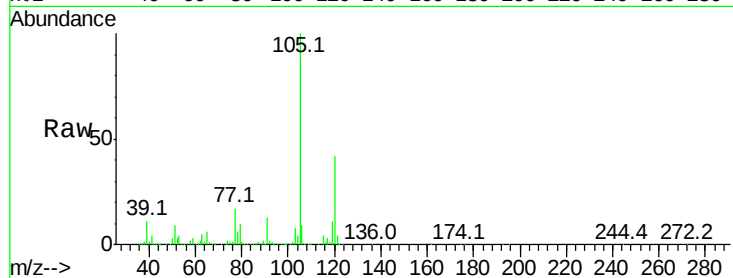
BFB

Tgt Ion:105 Resp: 3145950

Ion Ratio Lower Upper

105 100

120 41.5 35.4 53.2



#74

1,2,4-Trimethylbenzene

Concen: 8.943 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion:105 Resp: 3158661

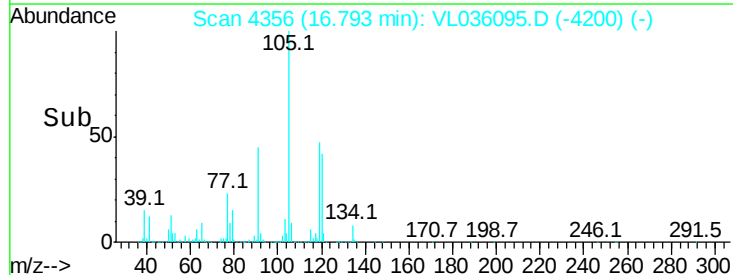
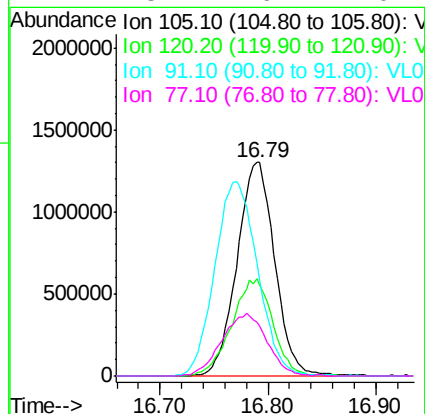
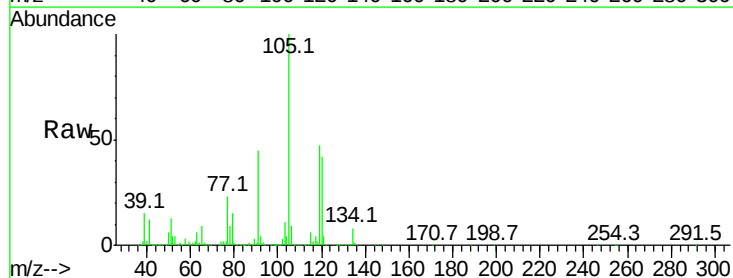
Ion Ratio Lower Upper

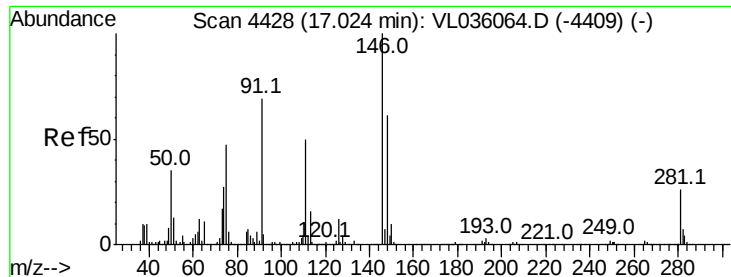
105 100

120 42.2 37.4 56.0

91 44.6 45.6 68.4#

77 23.1 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 8.837 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

BFB

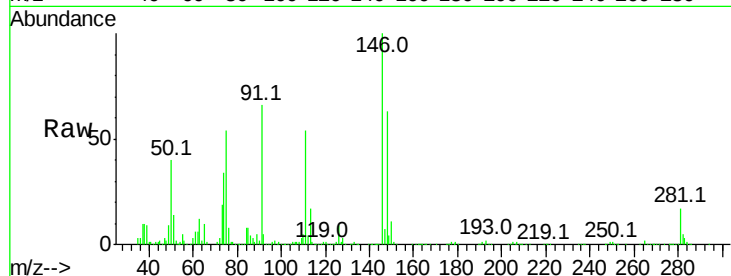
Tgt Ion:146 Resp: 1562348

Ion Ratio Lower Upper

146 100

111 52.7 25.1 75.3

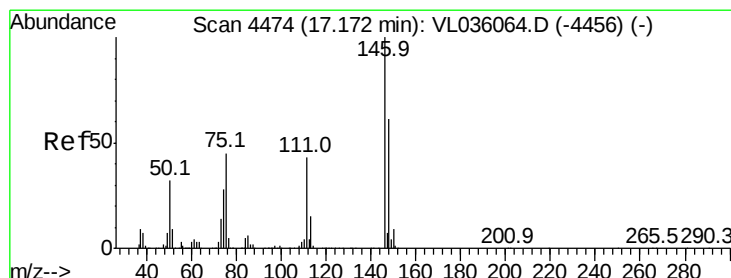
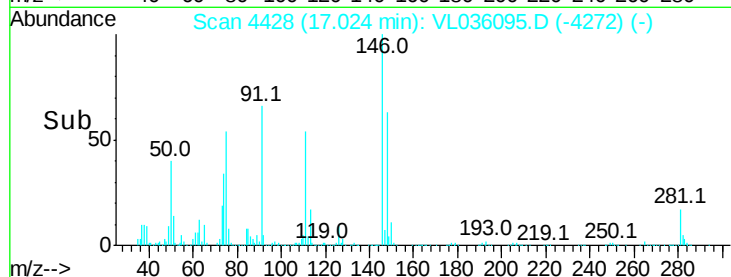
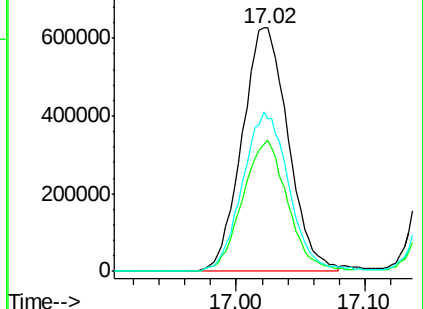
148 65.5 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.689 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

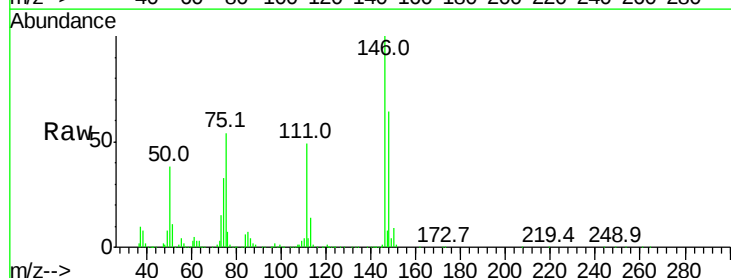
Tgt Ion:146 Resp: 1564041

Ion Ratio Lower Upper

146 100

111 52.7 24.3 72.8

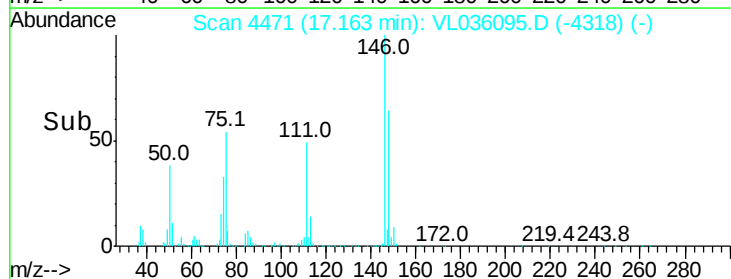
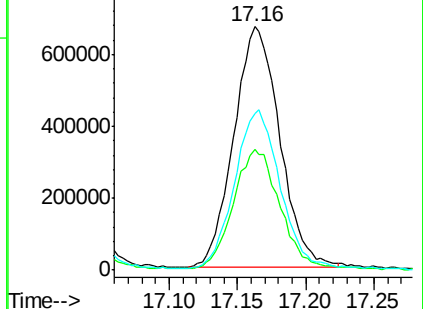
148 67.8 32.8 98.3

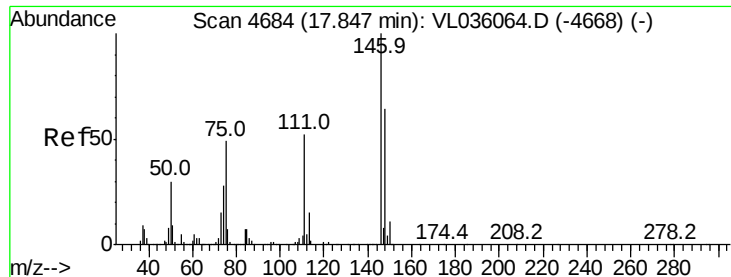


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

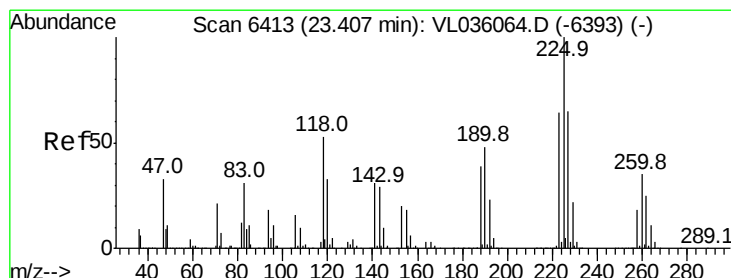
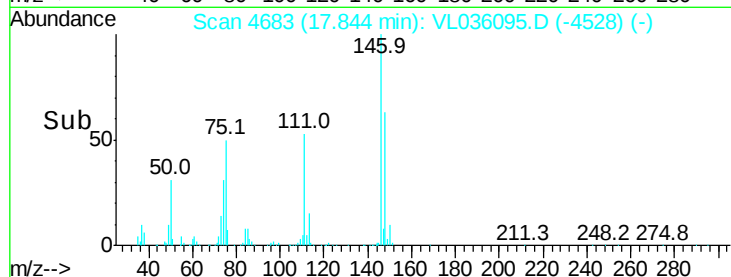
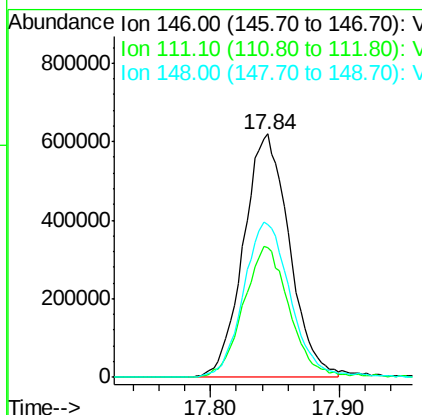
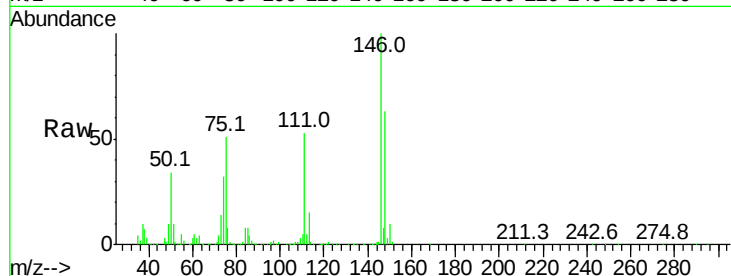




#77
 1,2-Dichlorobenzene
 Concen: 9.044 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

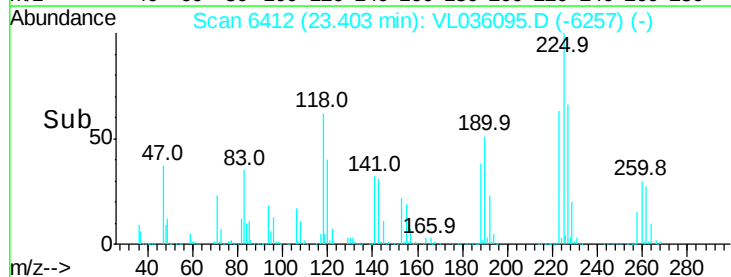
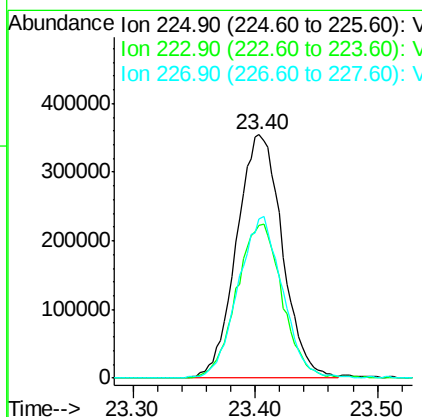
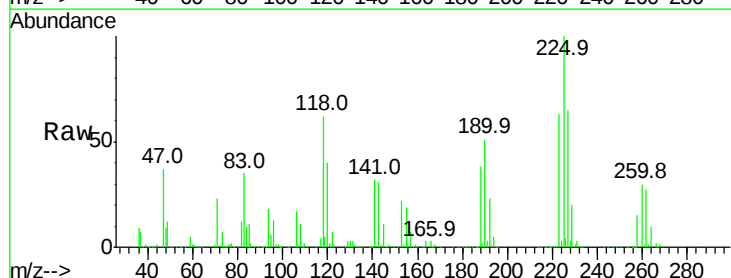
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

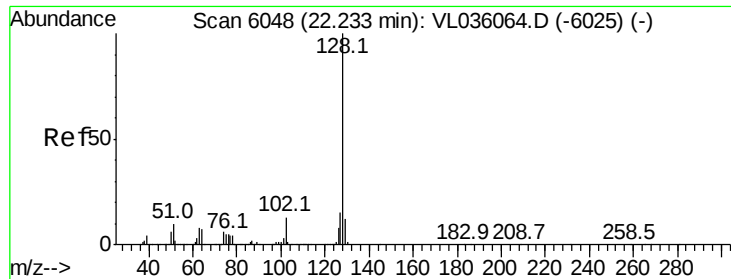
Tgt Ion:146 Resp: 1526725
 Ion Ratio Lower Upper
 146 100
 111 54.4 26.1 78.2
 148 65.7 33.1 99.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.765 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion:225 Resp: 915200
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.1 76.7
 227 64.8 51.7 77.5

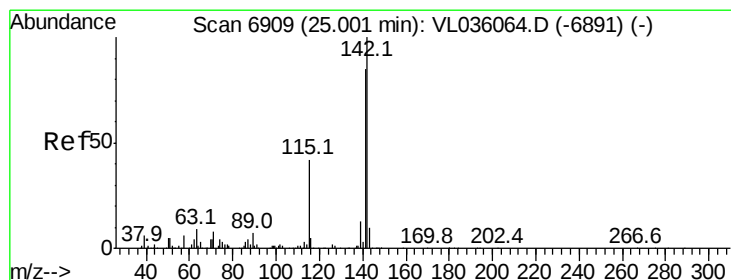
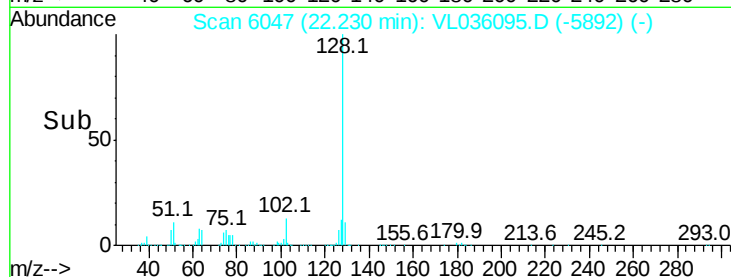
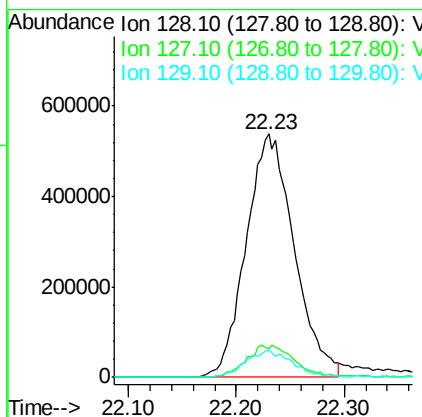
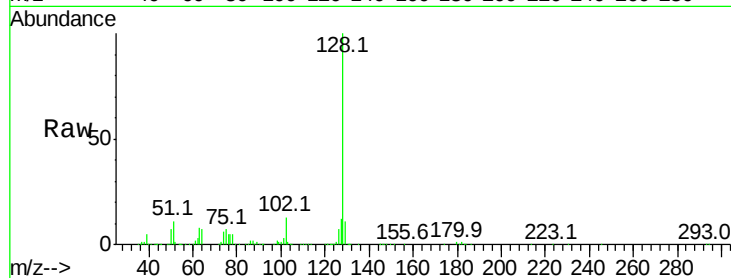




#79
Naphthalene
Concen: 9.235 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

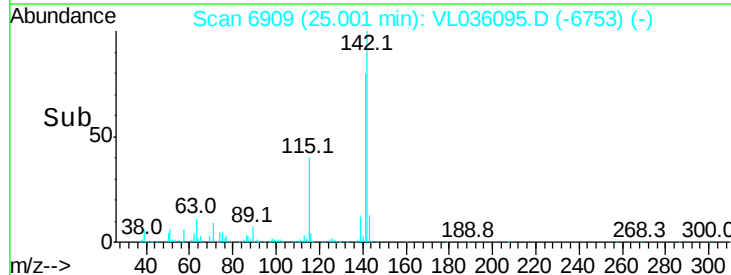
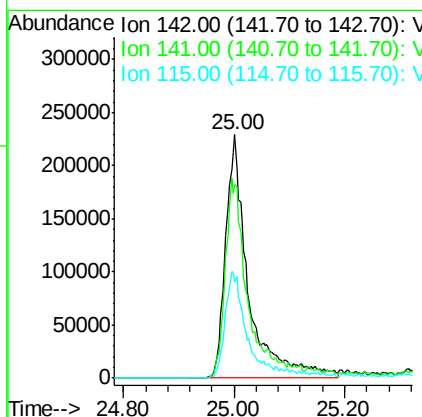
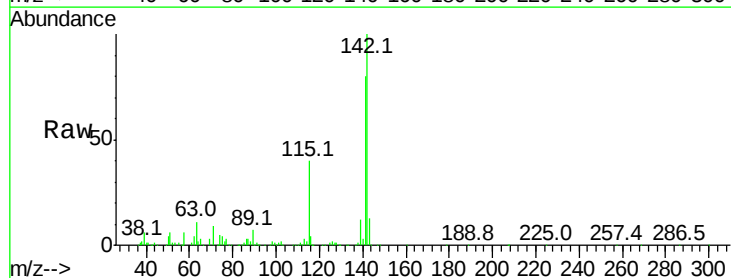
Instrument :
MSVOA_L
ClientSampled :
BFB

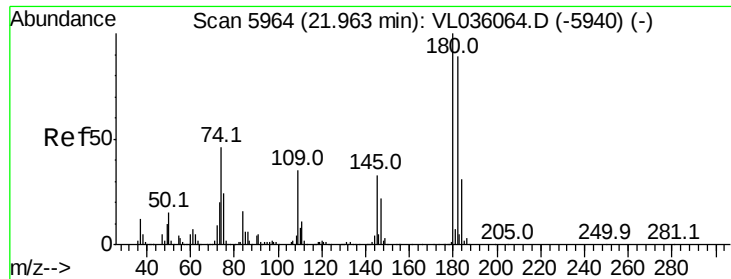
Tgt Ion:128 Resp: 1657986
Ion Ratio Lower Upper
128 100
127 11.6 11.7 17.5#
129 11.1 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 16.397 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion:142 Resp: 658250
Ion Ratio Lower Upper
142 100
141 86.3 64.3 96.5
115 45.1 33.9 50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 7.867 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	0.0	0.0#
184	32.3	0.0	0.0#

