

Data File : VL035103.D
Acq On : 19 Jun 2020 20:26
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Jun 20 02:12:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368056	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3226825	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3388099	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2594463	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	1595348	8.636	ppbv	98
3) Chlorodifluoromethane	2.93	51	1380397	9.134	ppbv	99
4) Chloromethane	3.09	50	819033	9.668	ppbv	98
5) Vinyl Chloride	3.21	62	782639	9.715	ppbv	98
6) Bromomethane	3.43	94	462324	9.241	ppbv	97
7) Chloroethane	3.51	64	284387	9.361	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1737017	8.770	ppbv	99
9) Propene	2.96	41	627575	10.487	ppbv	99
10) Heptane	8.12	43	1602158	10.331	ppbv	100
11) Trichlorofluoromethane	3.91	101	1731898	8.776	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1219411	8.936	ppbv	98
13) Ethanol	3.56	45	157384	6.962	ppbv	94
14) Bromoethene	3.70	108	566196	9.625	ppbv	100
15) Acetone	3.81	43	1366641	8.263	ppbv	100
16) 1,3-Butadiene	3.28	39	721158	9.941	ppbv	99
17) tert-Butyl alcohol	4.26	59	1404602	9.582	ppbv	99
18) 1,1-Dichloroethene	4.25	96	576740	9.371	ppbv	98
19) Isopropyl Alcohol	3.93	45	1007981	9.386	ppbv	99
20) Methylene Chloride	4.31	84	508466	7.596	ppbv	92
21) Allyl Chloride	4.38	41	960134	9.767	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	559677	9.719	ppbv	95
23) Vinyl Acetate	5.05	43	2140436	10.661	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1579354	9.331	ppbv	100
25) Ethyl Acetate	5.66	43	2801942	9.387	ppbv	100
26) Hexane	5.67	57	1247971	9.273	ppbv	99
27) Carbon Disulfide	4.52	76	1455217	10.449	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1893155	10.012	ppbv	99
29) Chloroform	5.74	83	1906929	9.054	ppbv	100
30) Cyclohexane	7.12	84	1057734	10.951	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1277054	10.294	ppbv	92
32) 1,1,1-Trichloroethane	6.50	97	1829326	9.365	ppbv	100
34) 2-Butanone	5.22	43	1840215	9.931	ppbv	99
35) Carbon Tetrachloride	7.01	117	1868922	9.657	ppbv	99
36) Benzene	6.89	78	2498509	9.999	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1479904	9.371	ppbv	99
38) Trichloroethene	7.84	130	958133	9.872	ppbv	99
39) 1,2-Dichloropropane	7.61	63	984786	10.077	ppbv	98
40) 1,4-Dioxane	7.82	88	365670	9.486	ppbv #	95
41) Tetrahydrofuran	6.03	42	1037890	10.966	ppbv	98
42) Bromodichloromethane	7.79	83	2029408	9.923	ppbv	97
43) Methyl Methacrylate	8.01	69	1135551	10.737	ppbv	98

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Quant Time: Jun 20 02:12:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4238034	9.718	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1253884	12.182	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1475740	11.541	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	1025573	9.615	ppbv	97
48) Dibromochloromethane	10.32	129	1674146	10.529	ppbv	99
49) Bromoform	13.07	173	1440644	10.665	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2687162	10.206	ppbv	99
51) 2-Hexanone	10.14	43	2190156	10.622	ppbv	100
52) Tetrachloroethene	11.24	164	877497	9.967	ppbv	92
53) Toluene	9.82	91	2859775	10.730	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1563588	9.901	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1265934	9.130	ppbv #	59
57) Chlorobenzene	12.17	112	2153447	8.638	ppbv	99
58) Ethyl Benzene	12.73	91	3790026	9.956	ppbv	98
59) m/p-Xylene	13.02	91	3350863	9.932	ppbv #	41
60) o-Xylene	13.72	91	3081087	9.173	ppbv	100
61) Styrene	13.55	104	2244293	10.619	ppbv	98
62) Isopropylbenzene	14.69	105	4515619	9.010	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2160994	7.944	ppbv	99
64) n-propylbenzene	15.59	120	1186466	9.276	ppbv	97
65) tert-Butylbenzene	16.78	119	3854437	8.981	ppbv	99
66) Benzyl Chloride	17.02	91	1451344	10.947	ppbv	99
67) sec-Butylbenzene	17.33	105	5497652	8.937	ppbv	100
69) p-Isopropyltoluene	17.68	119	4503808	9.179	ppbv	100
70) n-Butylbenzene	18.59	91	4704278	8.901	ppbv	100
71) 2-Chlorotoluene	15.48	91	3498609	9.235	ppbv	100
72) 4-Ethyltoluene	15.87	105	3604572	9.647	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3333687	9.439	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3421449	8.680	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1945936	8.272	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1975186	8.777	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1852669	8.607	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1536200	7.940	ppbv	99
79) Naphthalene	22.25	128	3384802	9.794	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1658984	12.555	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1785876	8.958	ppbv	99

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

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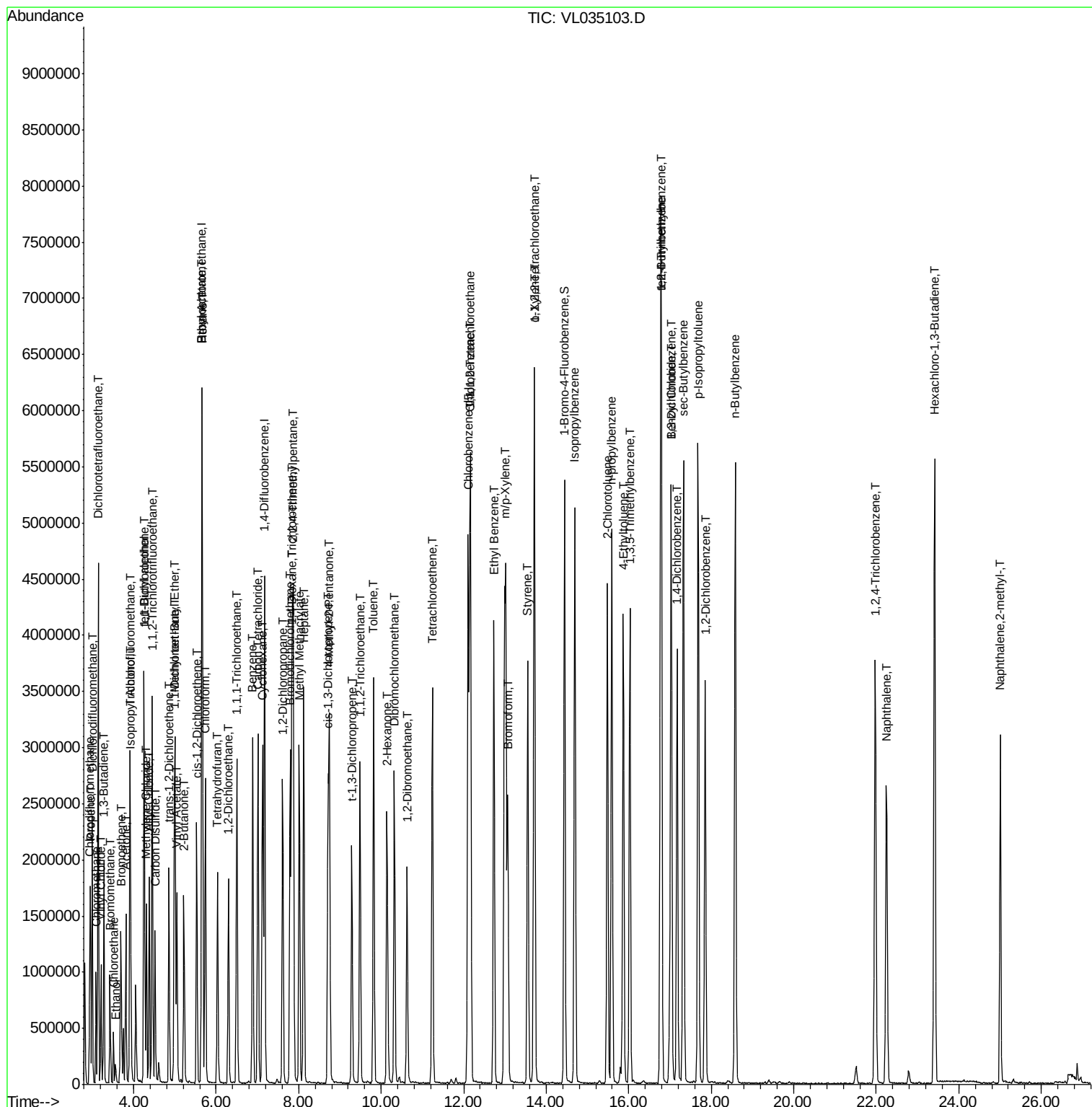
Quant Time: Jun 20 02:12:38 2020

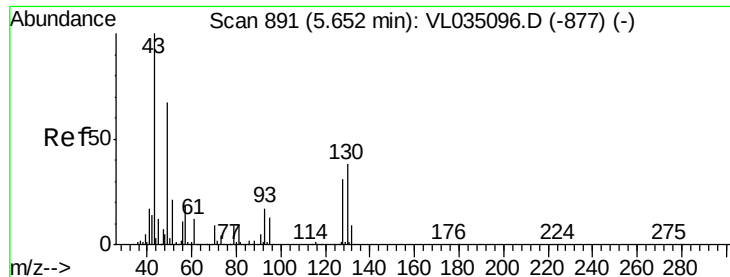
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL061920AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LSat Jun 20 02:10:36 2020

QLast Update : Sat Jun 20 02:10:36 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

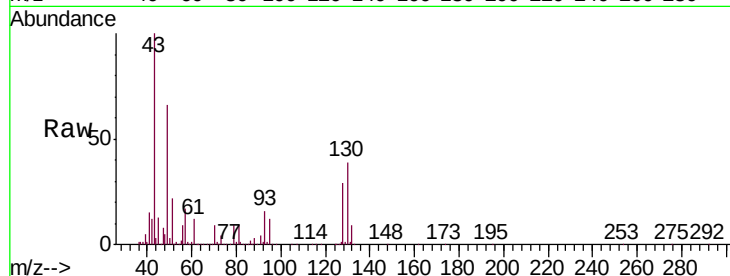
Tgt Ion: 49 Resp: 1368056

Ion Ratio Lower Upper

49 100

128 45.8 22.9 68.5

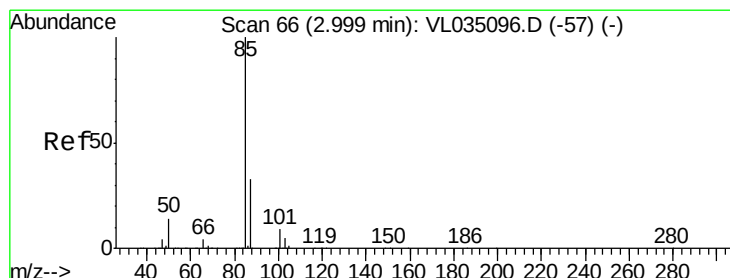
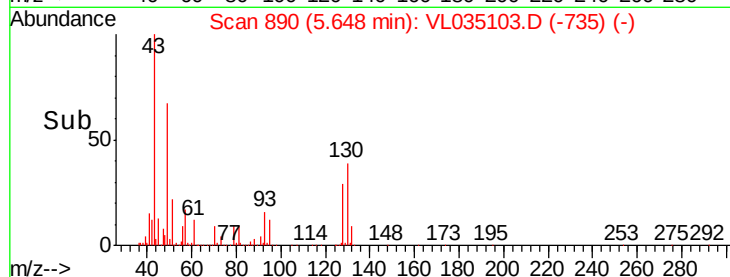
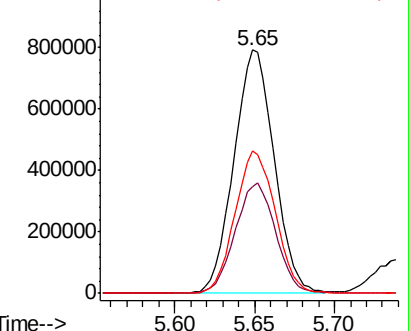
130 58.7 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.636 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035103.D

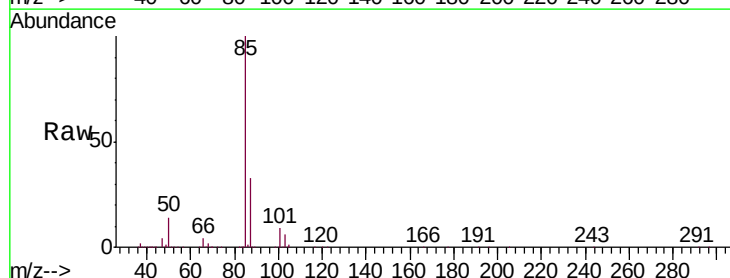
Acq: 19 Jun 2020 20:26

Tgt Ion: 85 Resp: 1595348

Ion Ratio Lower Upper

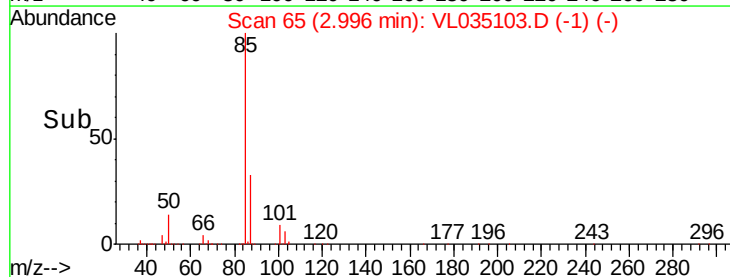
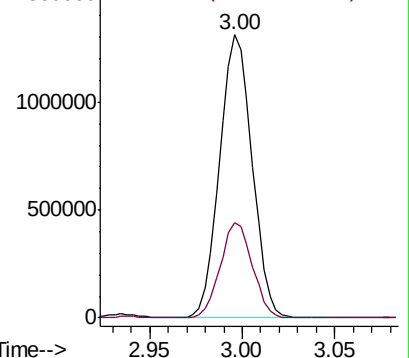
85 100

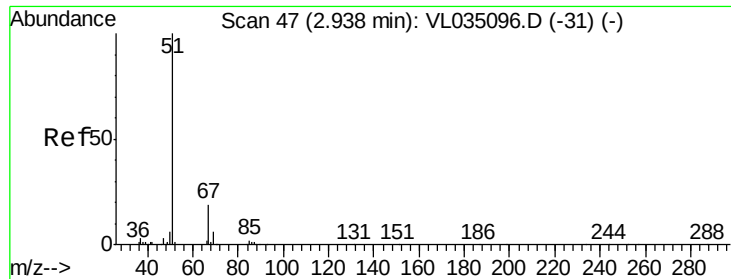
87 33.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.134 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

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ClientSampleId :

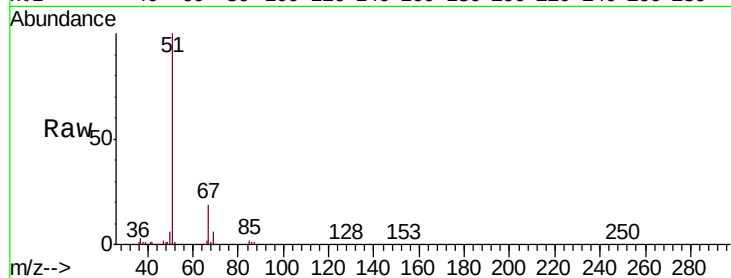
BFB

Tgt Ion: 51 Resp: 1380397

Ion Ratio Lower Upper

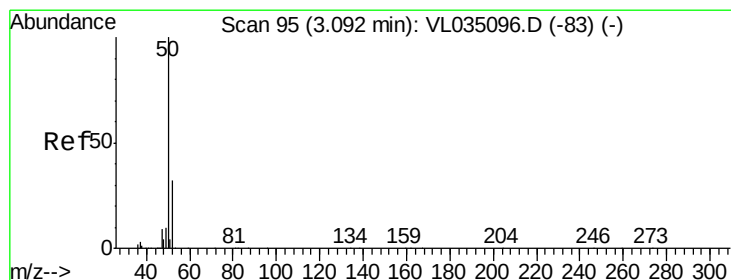
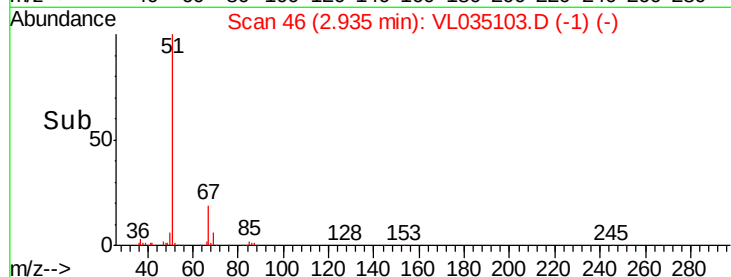
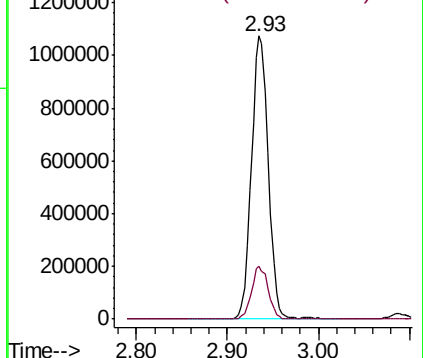
51 100

67 18.4 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.668 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.00 min

Lab File: VL035103.D

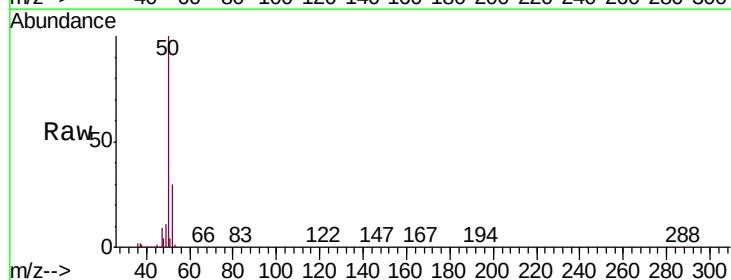
Acq: 19 Jun 2020 20:26

Tgt Ion: 50 Resp: 819033

Ion Ratio Lower Upper

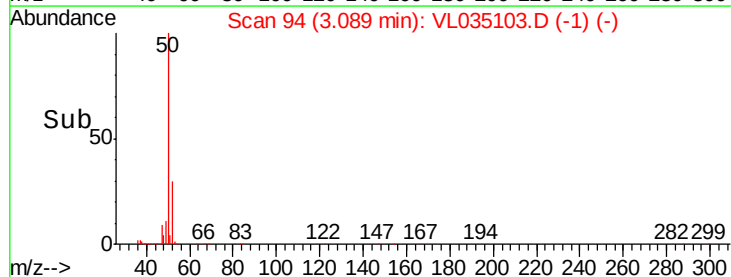
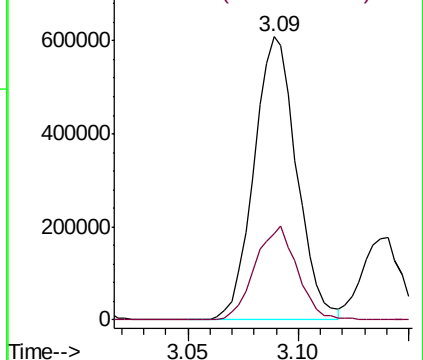
50 100

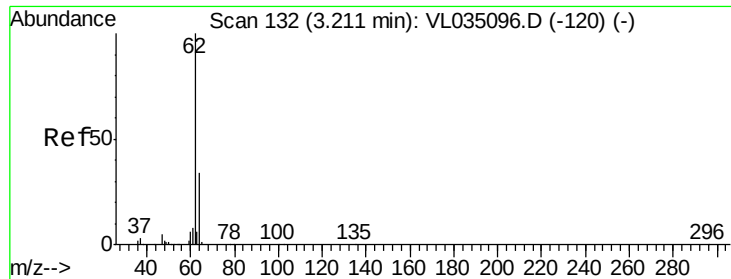
52 30.4 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.715 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

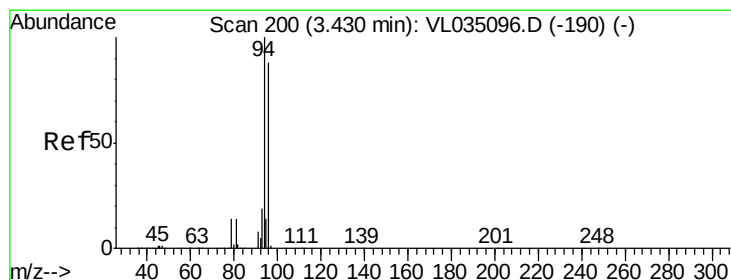
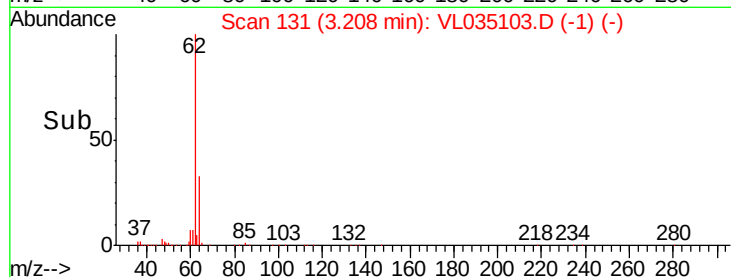
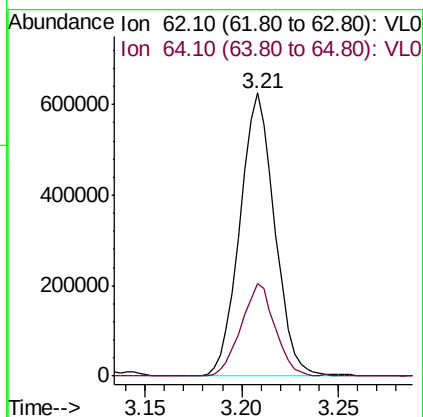
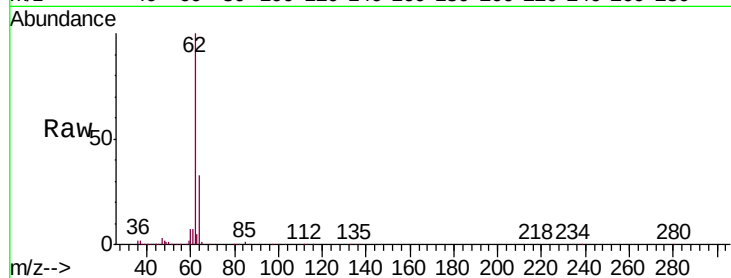
BFB

Tgt Ion: 62 Resp: 782639

Ion Ratio Lower Upper

62 100

64 32.7 27.0 40.4



#6

Bromomethane

Concen: 9.241 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035103.D

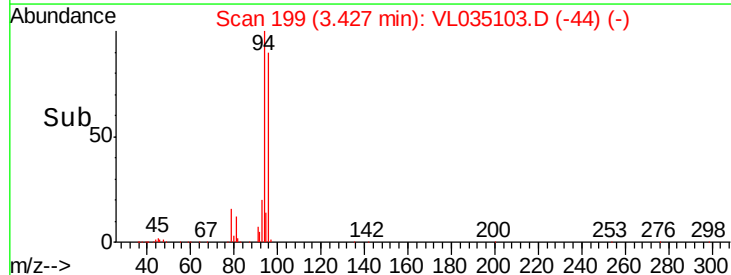
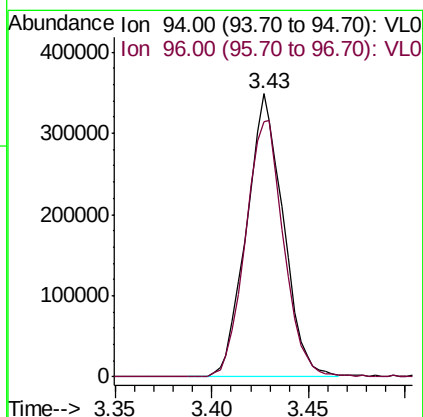
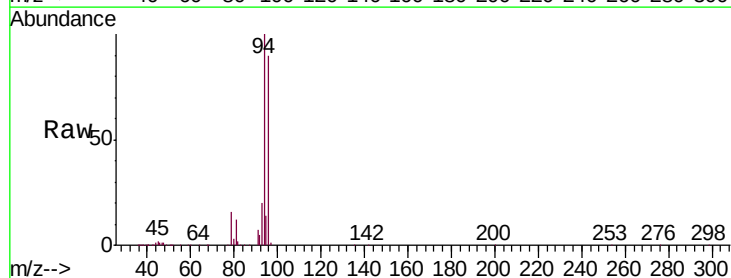
Acq: 19 Jun 2020 20:26

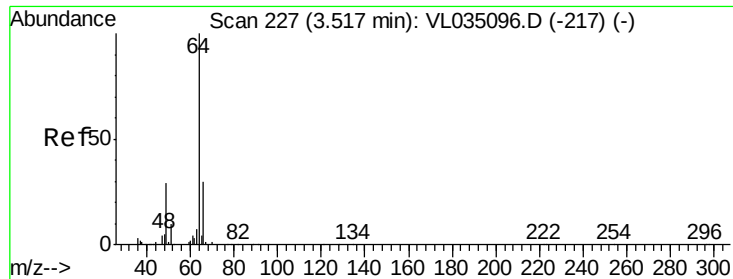
Tgt Ion: 94 Resp: 462324

Ion Ratio Lower Upper

94 100

96 90.3 70.2 105.2





#7

Chloroethane

Concen: 9.361 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

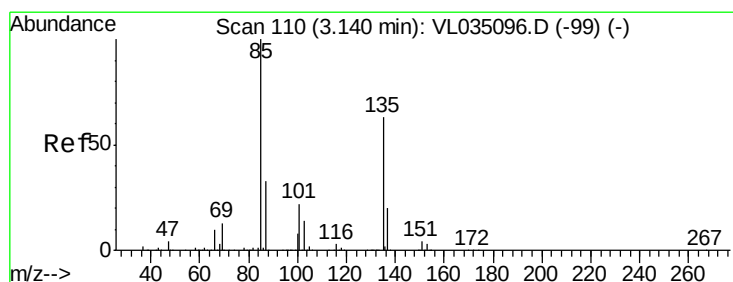
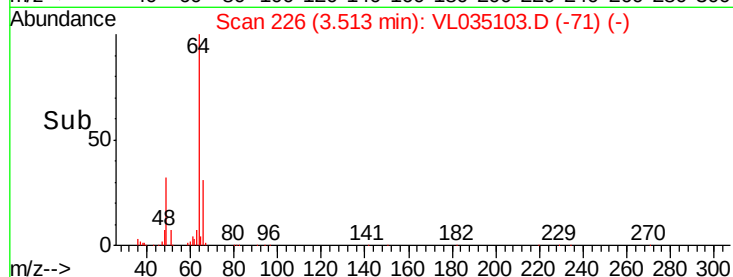
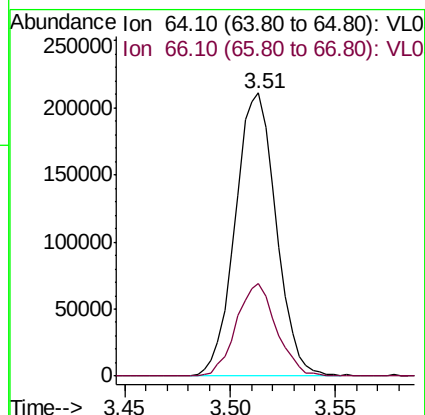
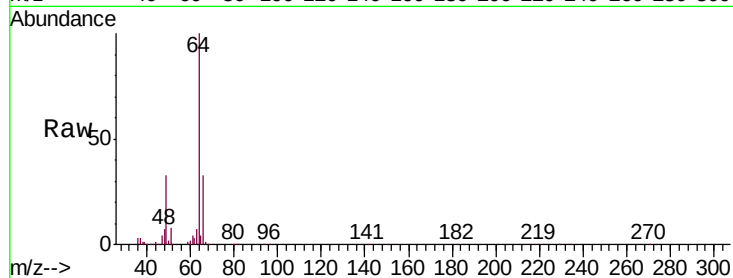
BFB

Tgt Ion: 64 Resp: 284387

Ion Ratio Lower Upper

64 100

66 32.9 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 8.770 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035103.D

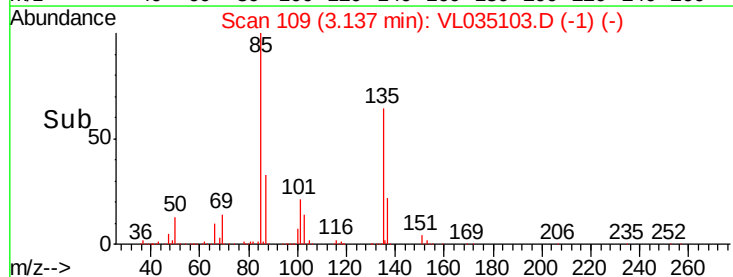
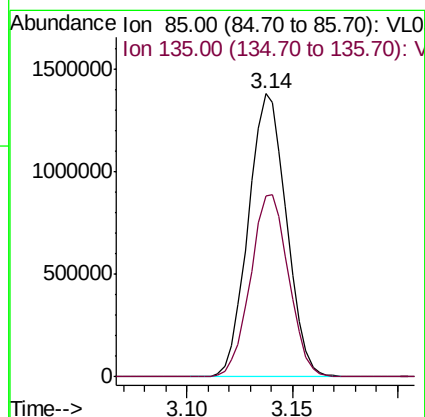
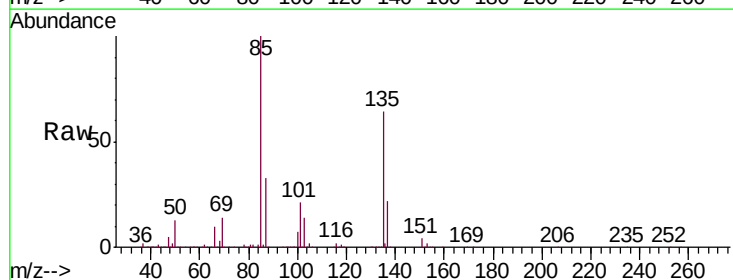
Acq: 19 Jun 2020 20:26

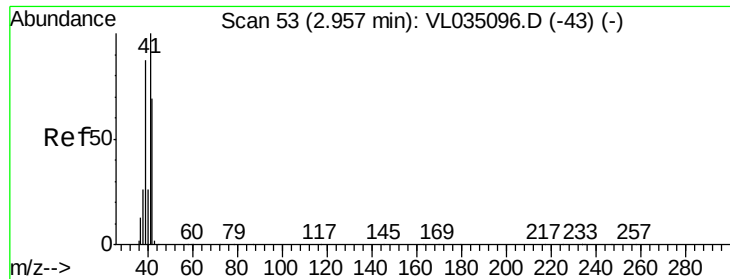
Tgt Ion: 85 Resp: 1737017

Ion Ratio Lower Upper

85 100

135 64.7 51.0 76.6





#9

Propene

Concen: 10.487 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035103.D

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Instrument :

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ClientSampleId :

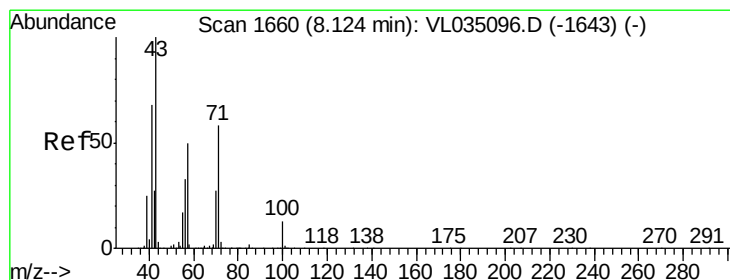
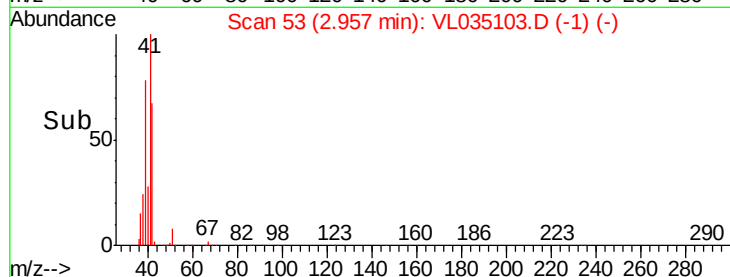
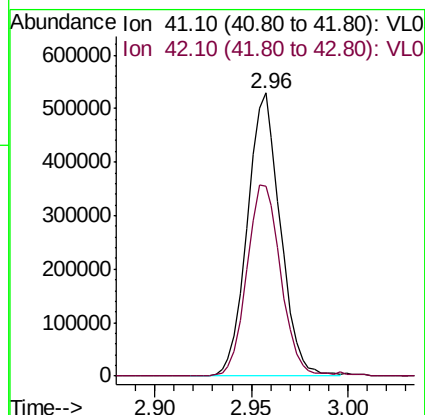
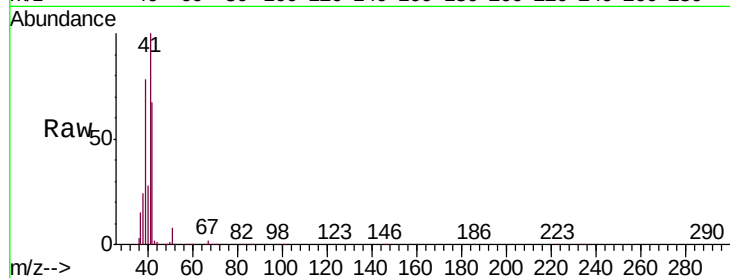
BFB

Tgt Ion: 41 Resp: 627575

Ion Ratio Lower Upper

41 100

42 70.7 55.8 83.6



#10

Heptane

Concen: 10.331 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035103.D

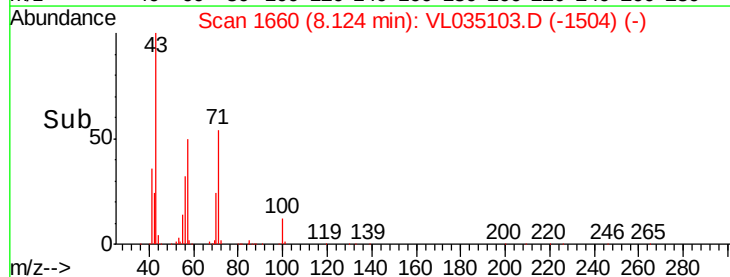
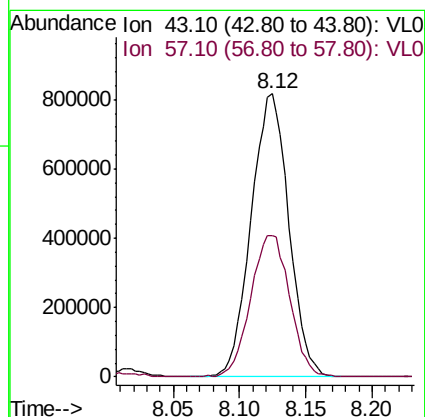
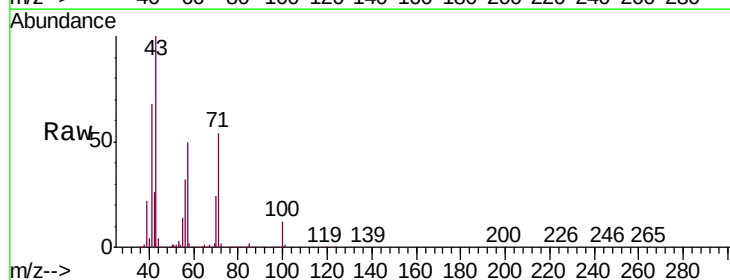
Acq: 19 Jun 2020 20:26

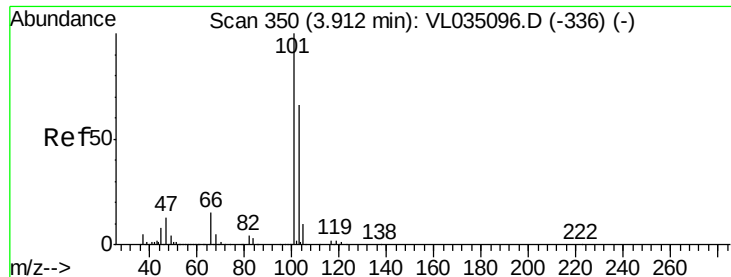
Tgt Ion: 43 Resp: 1602158

Ion Ratio Lower Upper

43 100

57 52.5 41.9 62.9

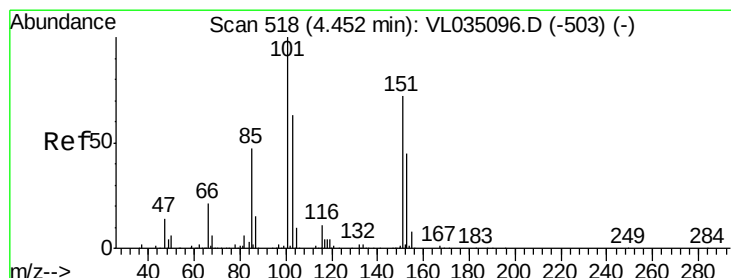
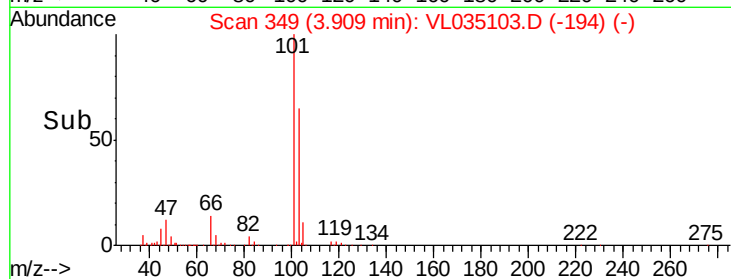
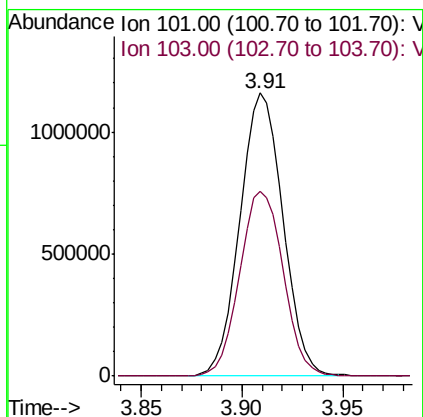
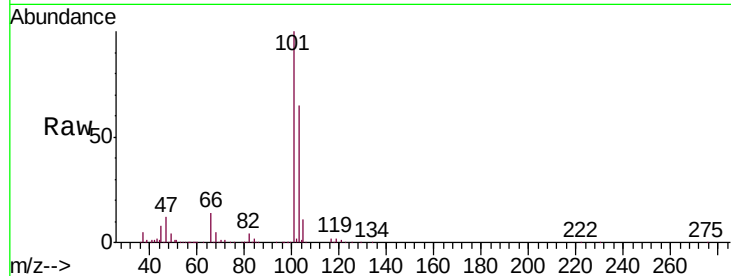




#11
 Trichlorofluoromethane
 Concen: 8.776 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

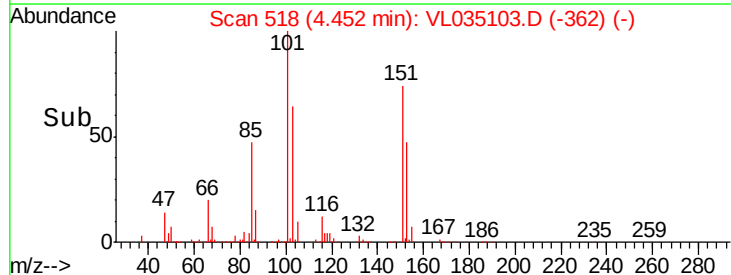
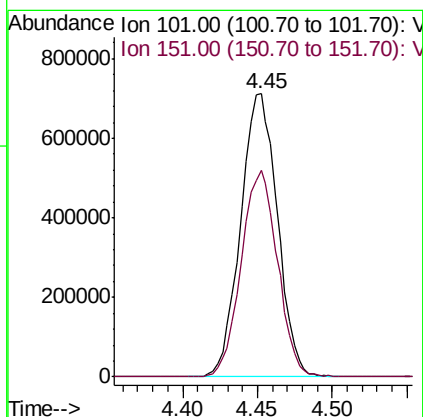
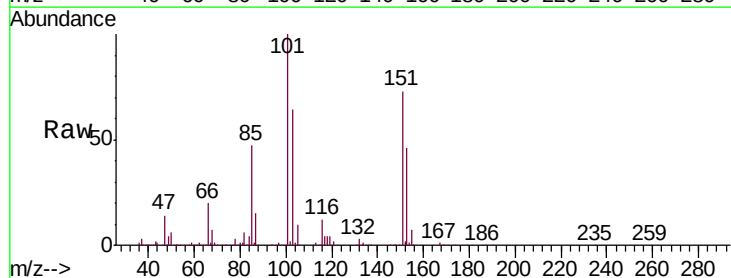
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

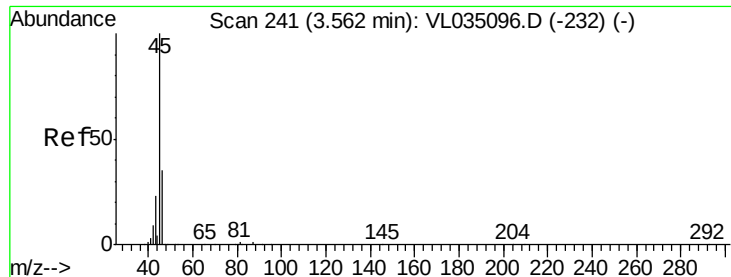
Tgt Ion:101 Resp: 1731898
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.936 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion:101 Resp: 1219411
 Ion Ratio Lower Upper
 101 100
 151 72.2 56.6 85.0

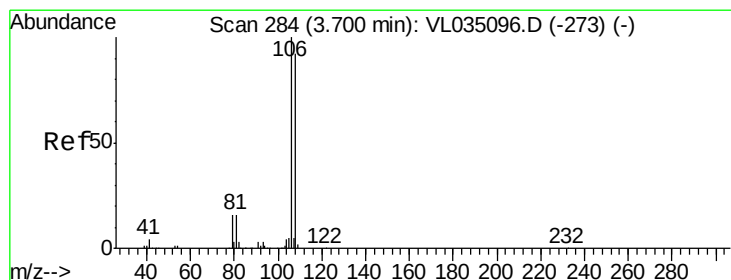
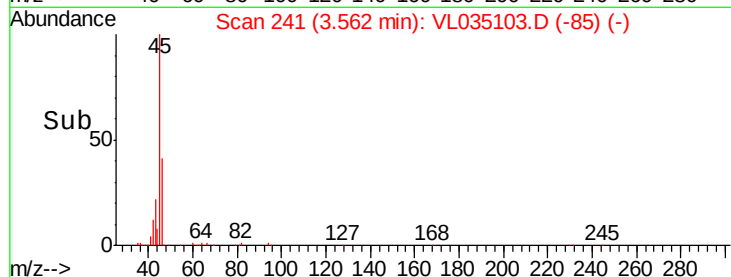
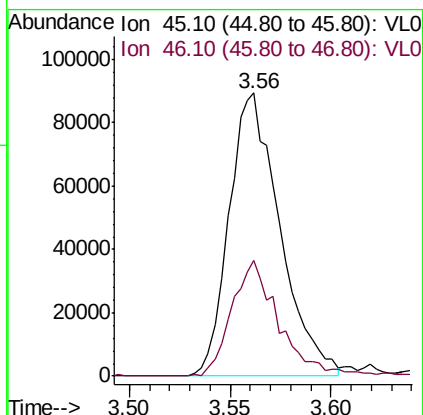
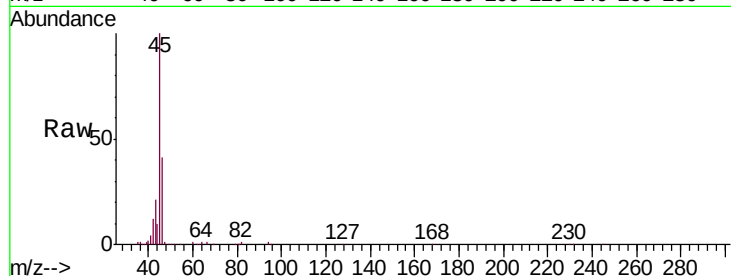




#13
Ethanol
Concen: 6.962 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

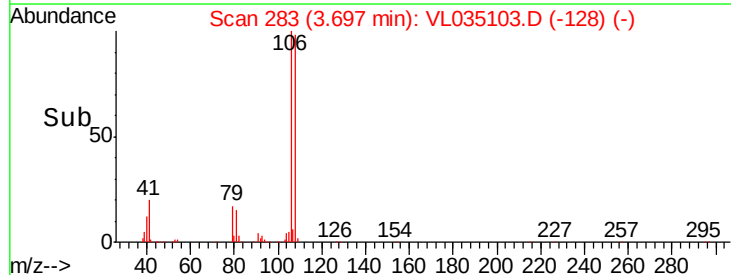
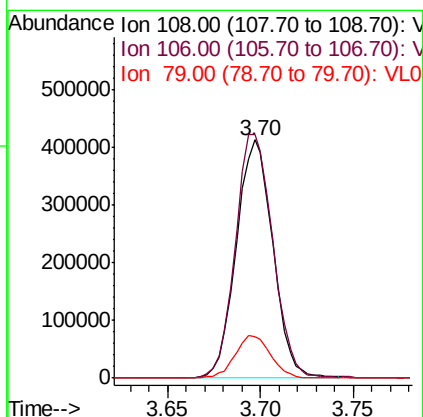
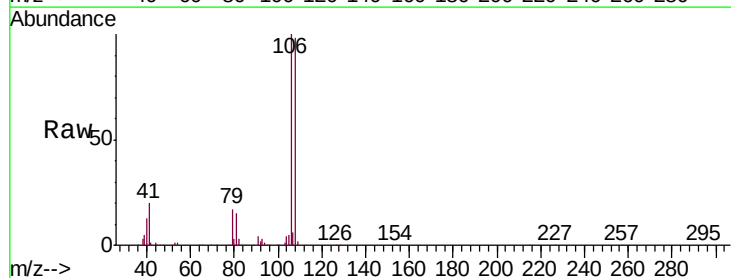
Instrument :
MSVOA_L
ClientSampleId :
BFB

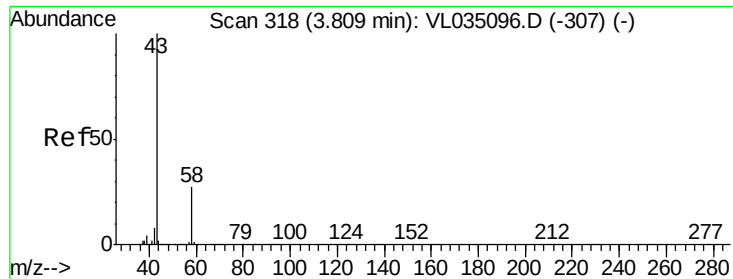
Tgt Ion: 45 Resp: 157384
Ion Ratio Lower Upper
45 100
46 38.9 14.2 57.0



#14
Bromoethene
Concen: 9.625 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 108 Resp: 566196
Ion Ratio Lower Upper
108 100
106 105.5 84.4 126.6
79 17.7 14.2 21.2

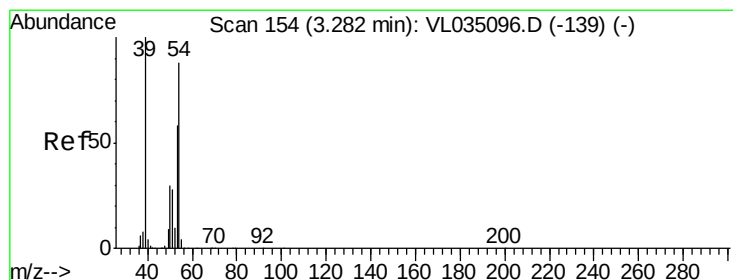
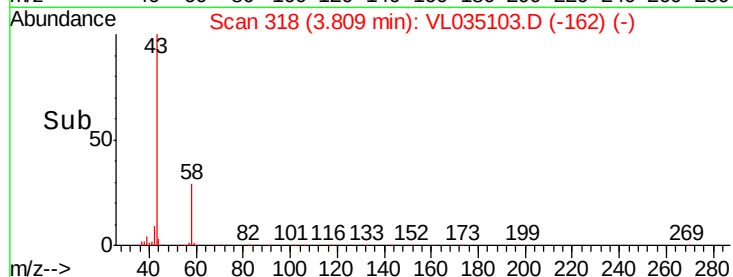
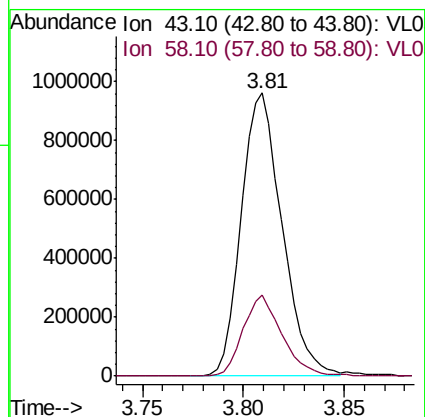
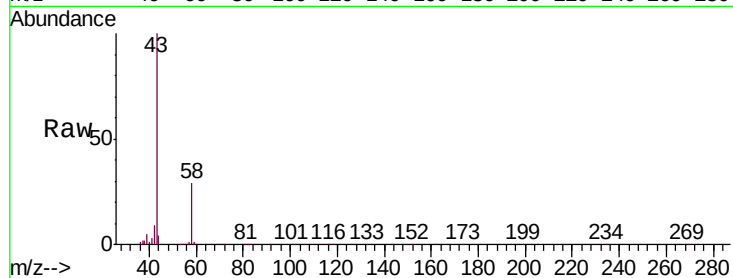




#15
Acetone
Concen: 8.263 ppbv
RT: 3.81 min Scan# 318
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

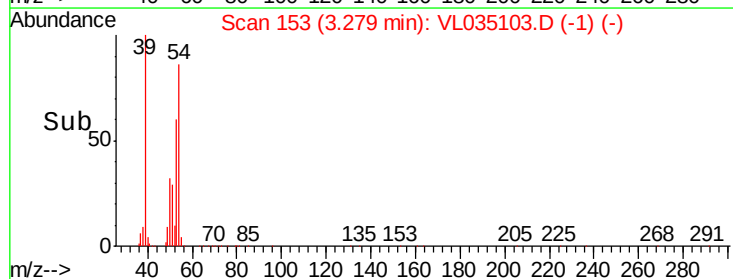
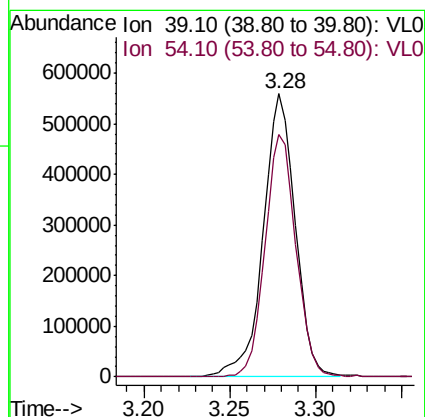
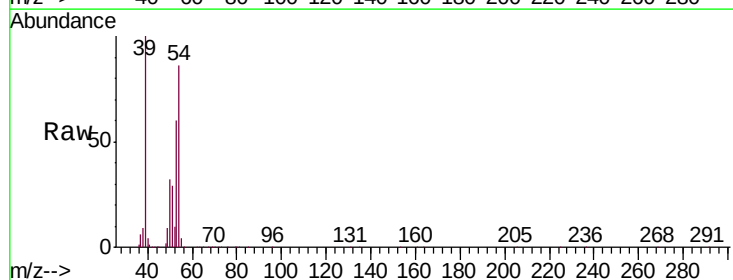
Instrument :
MSVOA_L
ClientSampleId :
BFB

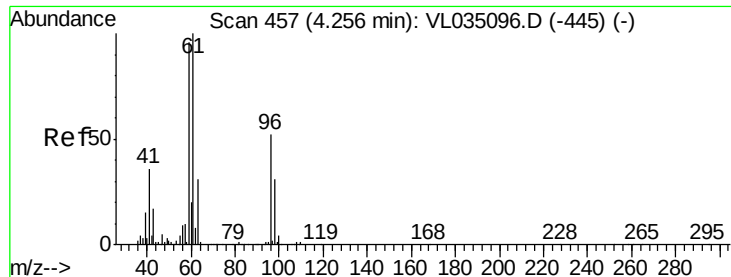
Tgt Ion: 43 Resp: 1366641
Ion Ratio Lower Upper
43 100
58 27.4 21.8 32.6



#16
1,3-Butadiene
Concen: 9.941 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 39 Resp: 721158
Ion Ratio Lower Upper
39 100
54 83.1 67.0 100.4



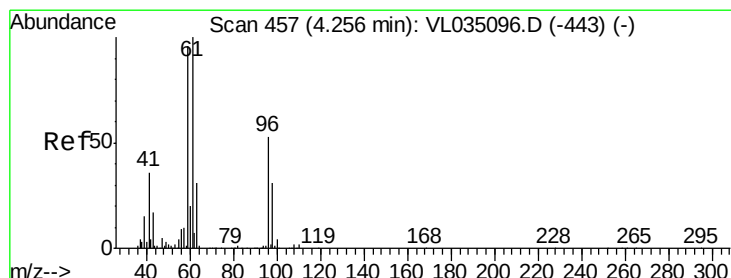
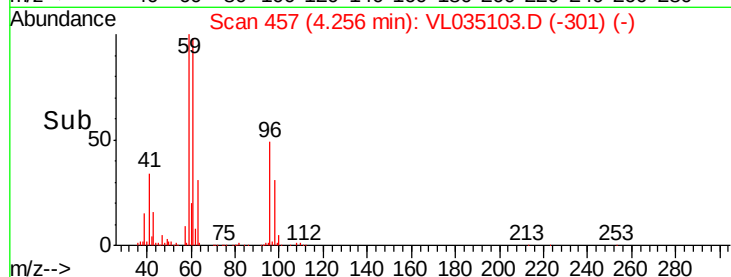
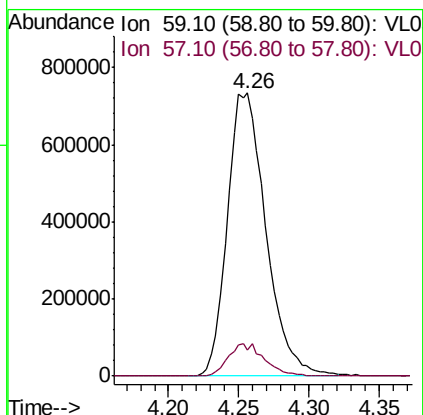
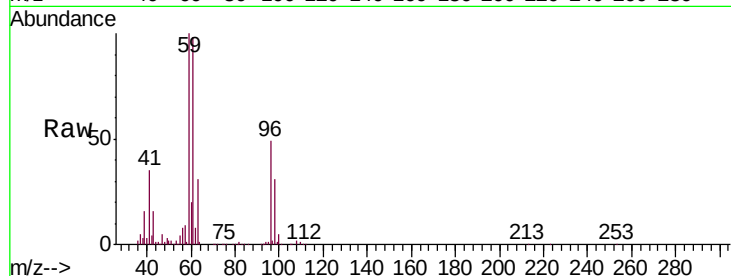


#17

tert-Butyl alcohol
Concen: 9.582 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

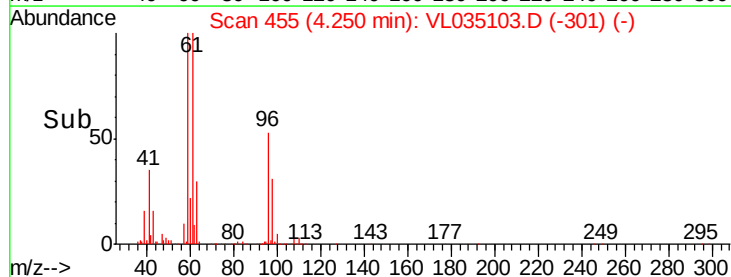
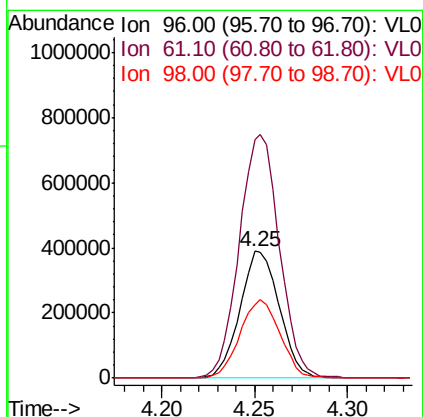
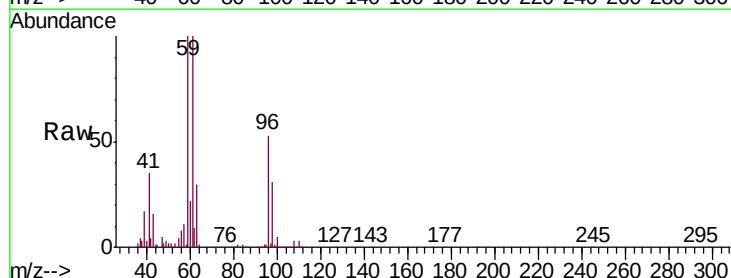
Tgt Ion: 59 Resp: 1404602
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

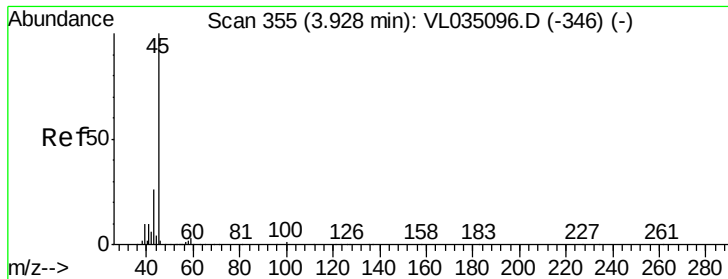


#18

1,1-Dichloroethene
Concen: 9.371 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 96 Resp: 576740
Ion Ratio Lower Upper
96 100
61 188.3 152.2 228.4
98 57.8 47.7 71.5

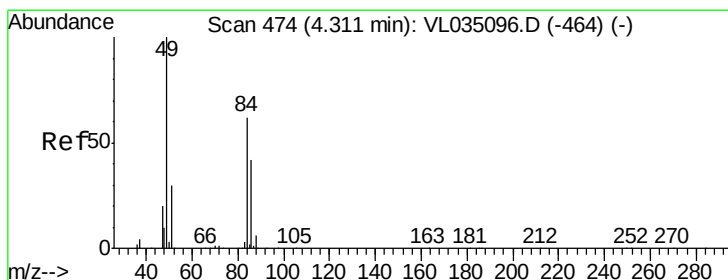
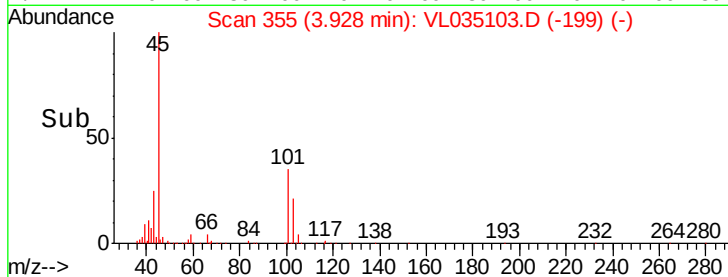
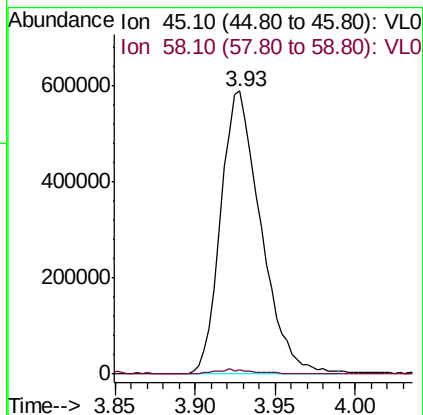
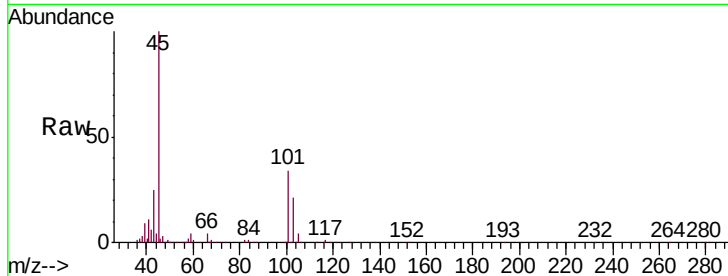




#19
Isopropyl Alcohol
Concen: 9.386 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

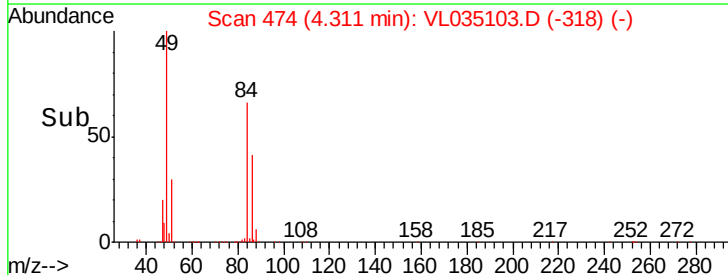
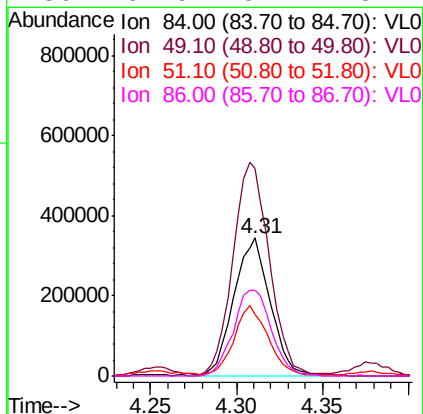
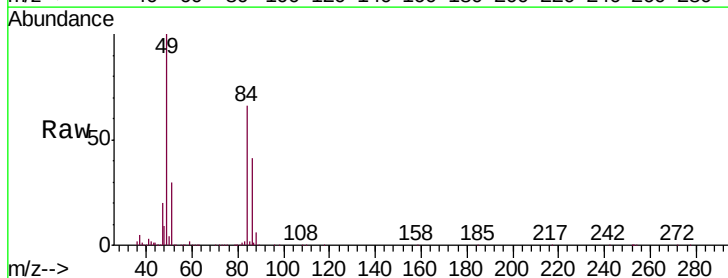
Instrument :
MSVOA_L
ClientSampleId :
BFB

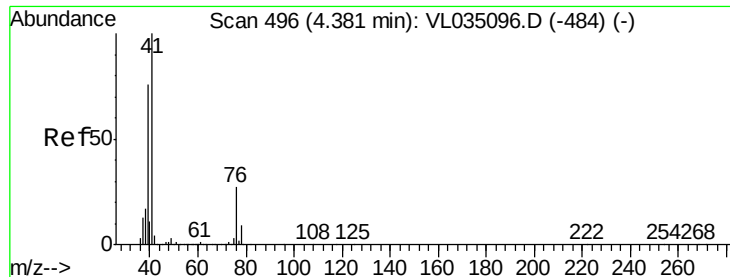
Tgt Ion: 45 Resp: 1007981
Ion Ratio Lower Upper
45 100
58 2.0 1.8 2.8



#20
Methylene Chloride
Concen: 7.596 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 84 Resp: 508466
Ion Ratio Lower Upper
84 100
49 148.2 128.8 193.2
51 44.0 38.7 58.1
86 61.9 54.1 81.1

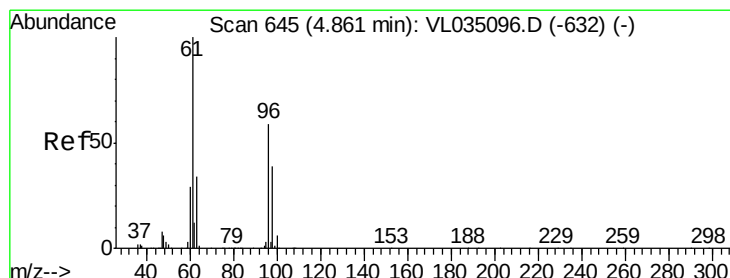
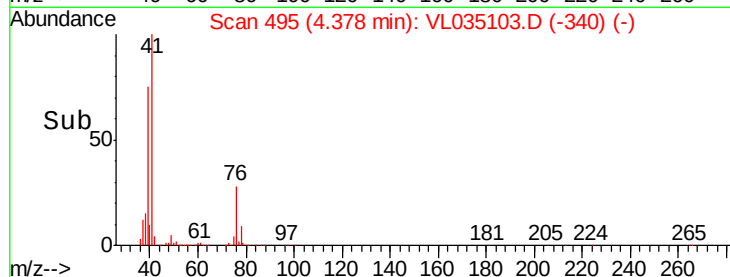
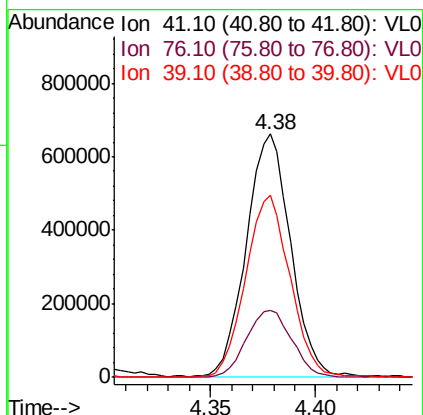
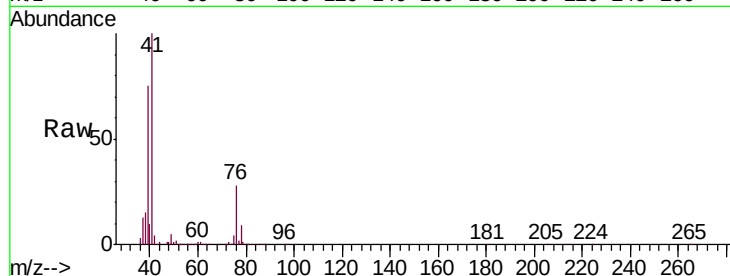




#21
 Allyl Chloride
 Concen: 9.767 ppbv
 RT: 4.38 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

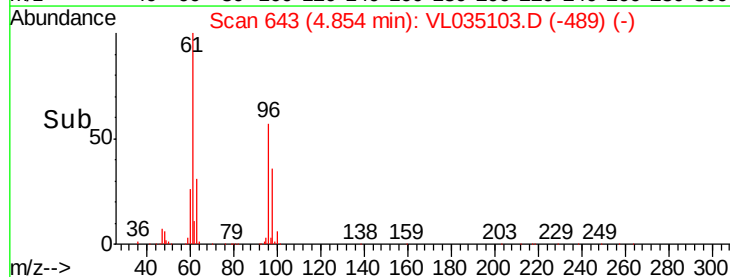
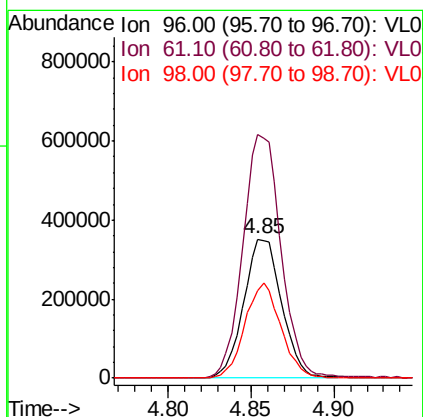
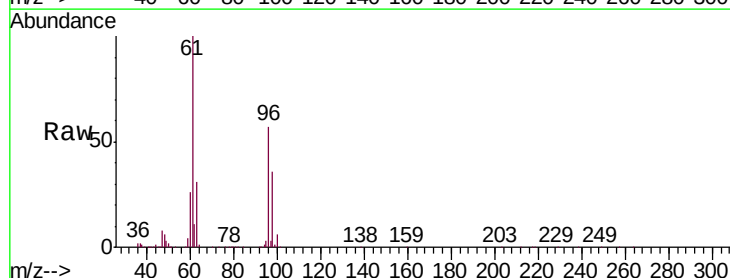
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

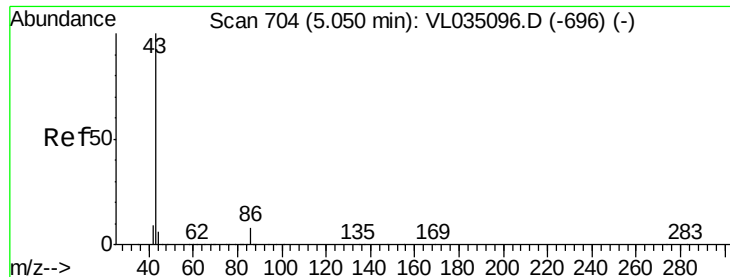
Tgt Ion: 41 Resp: 960134
 Ion Ratio Lower Upper
 41 100
 76 28.7 22.6 34.0
 39 75.7 61.6 92.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.719 ppbv
 RT: 4.85 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion: 96 Resp: 559677
 Ion Ratio Lower Upper
 96 100
 61 175.6 134.5 201.7
 98 63.0 52.6 79.0





#23

Vinyl Acetate

Concen: 10.661 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 2140436

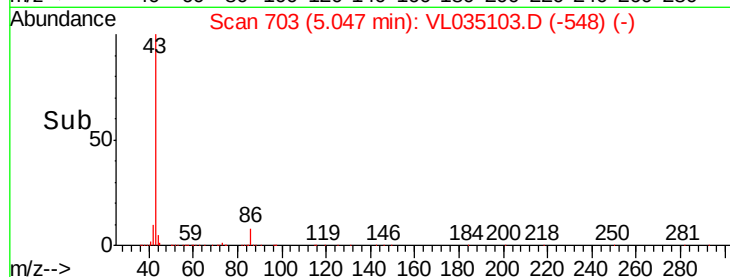
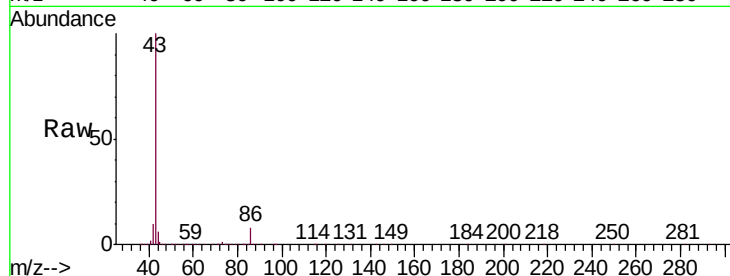
Ion Ratio Lower Upper

43 100

86 7.6 6.2 9.2

42 9.8 8.1 12.1

44 5.3 4.6 7.0

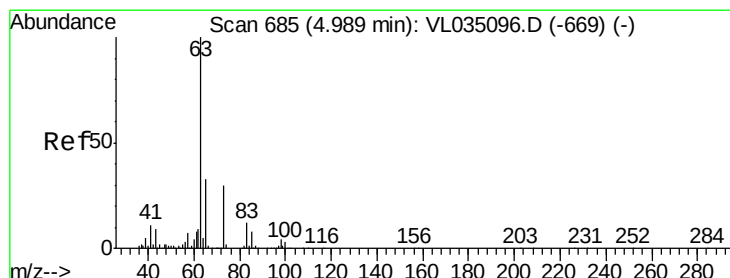
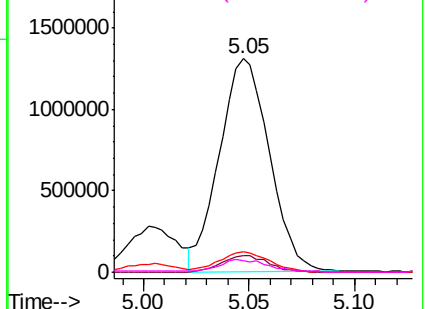


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.331 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

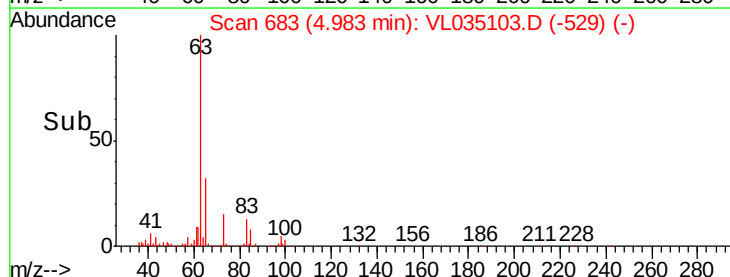
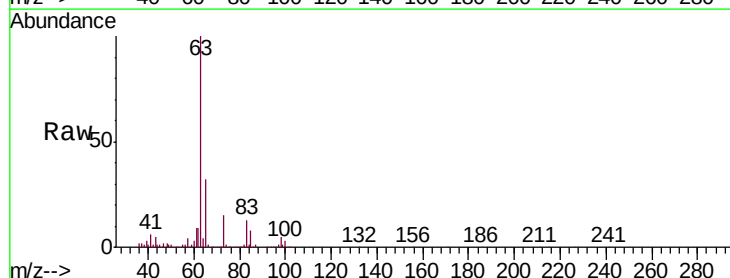
Tgt Ion: 63 Resp: 1579354

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

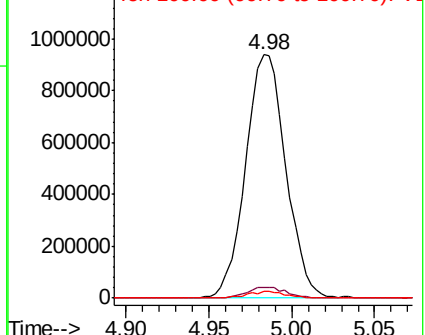
100 2.5 1.4 4.0

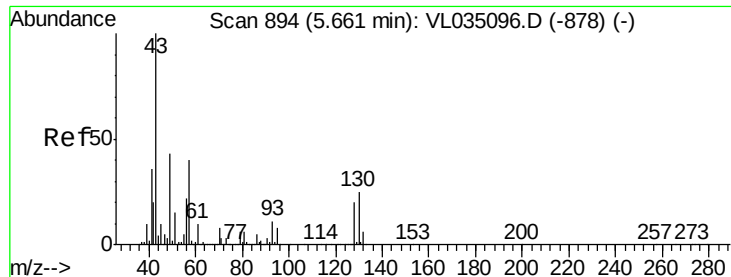


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

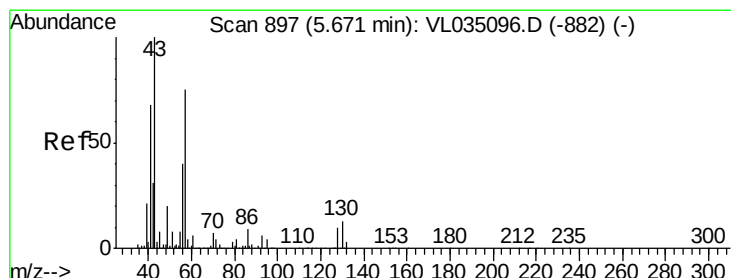
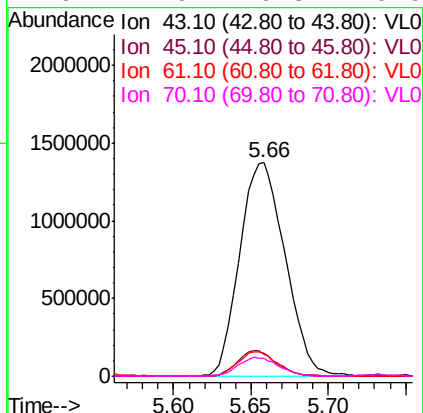
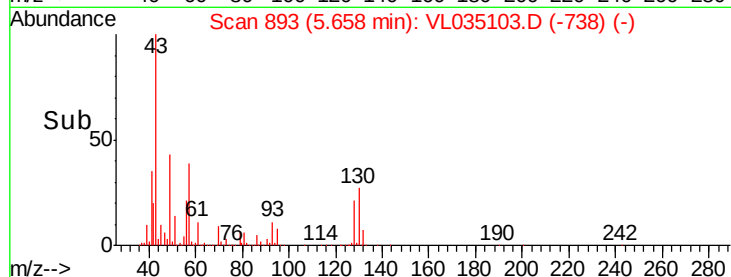
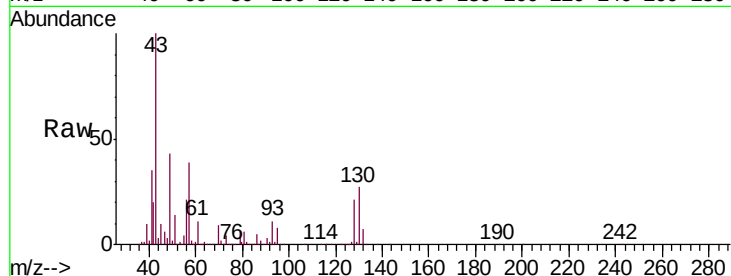




#25
Ethyl Acetate
Concen: 9.387 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

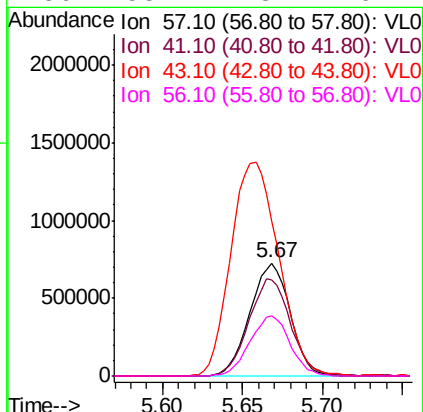
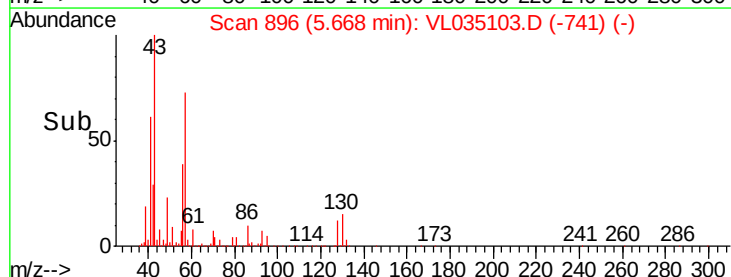
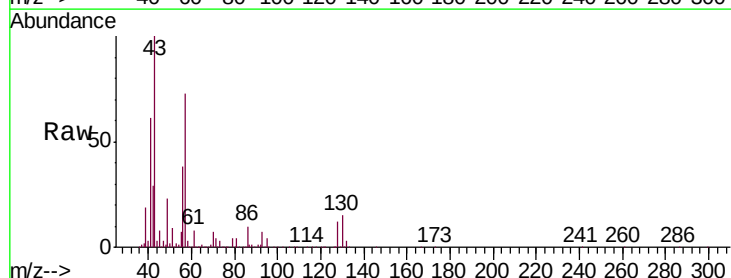
Instrument :
MSVOA_L
ClientSampleId :
BFB

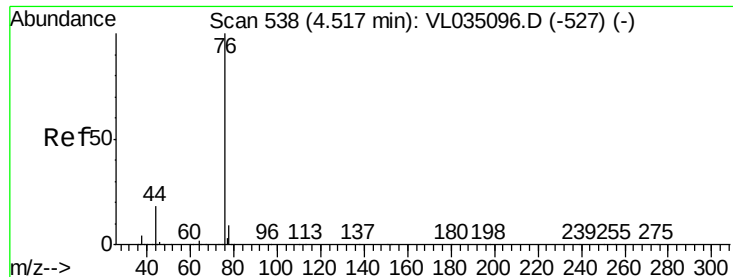
Tgt Ion:	43	Resp:	2801942
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	10.1	8.0	12.0
70	7.9	6.3	9.5



#26
Hexane
Concen: 9.273 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion:	57	Resp:	1247971
Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.9	109.3
43	225.7	181.3	271.9
56	53.4	43.1	64.7





#27

Carbon Disulfide

Concen: 10.449 ppbv

RT: 4.52 min Scan# 538

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

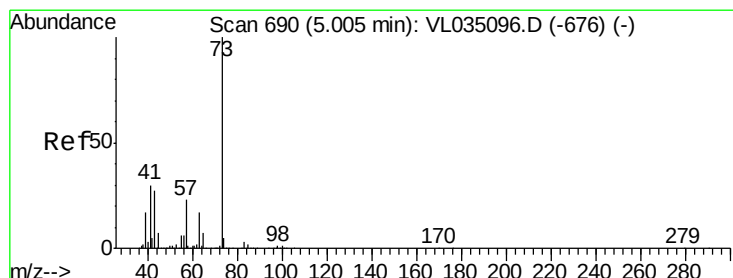
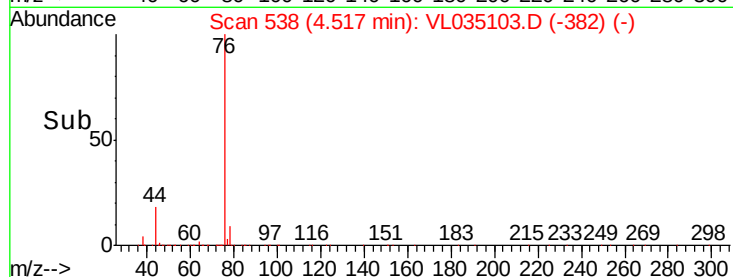
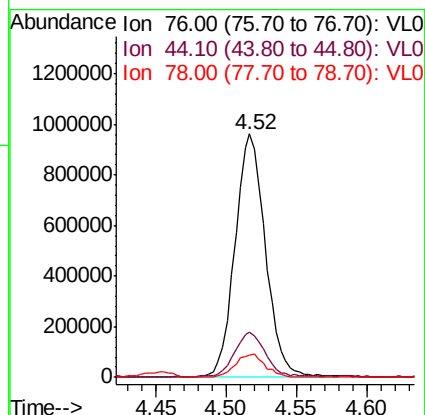
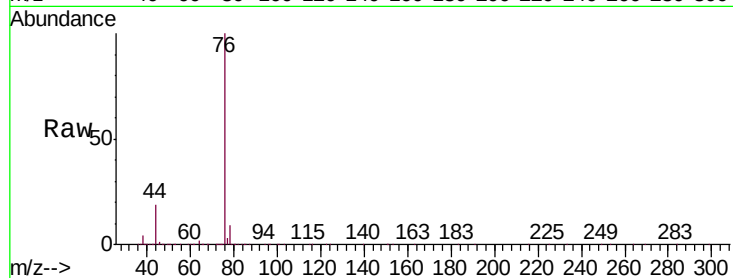
Tgt Ion: 76 Resp: 1455217

Ion Ratio Lower Upper

76 100

44 18.7 15.8 23.8

78 9.5 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 10.012 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035103.D

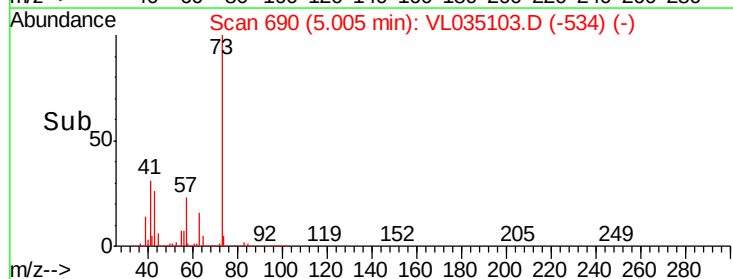
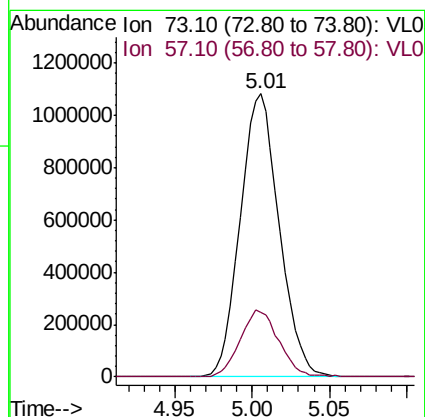
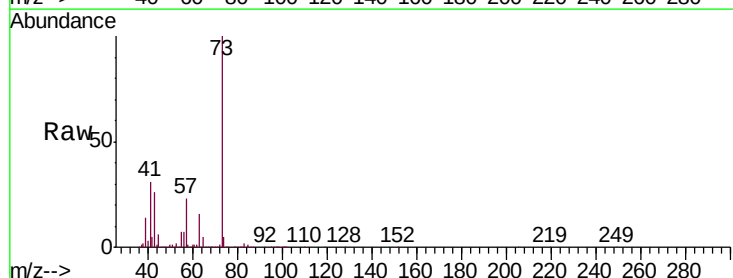
Acq: 19 Jun 2020 20:26

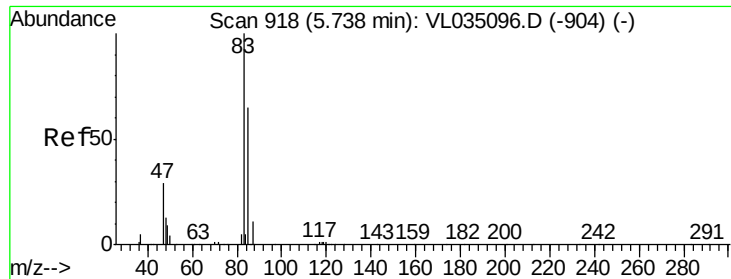
Tgt Ion: 73 Resp: 1893155

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7

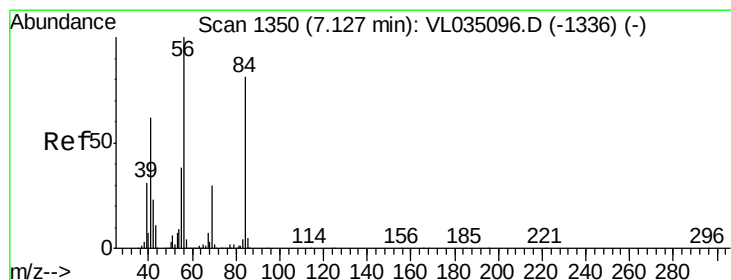
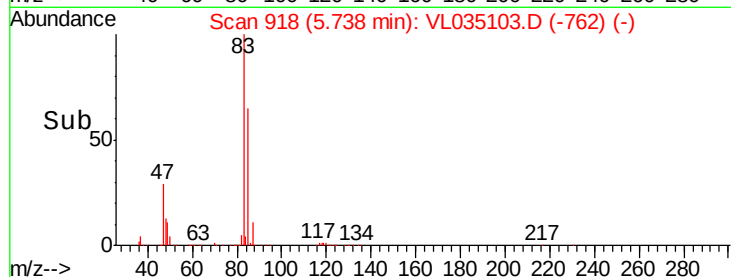
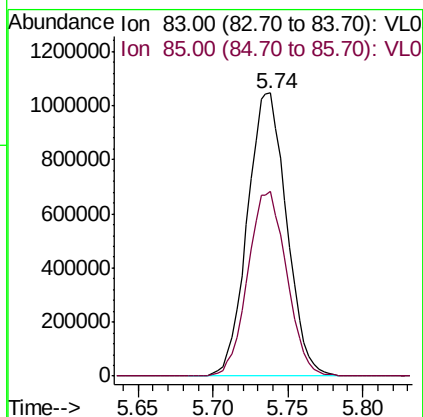
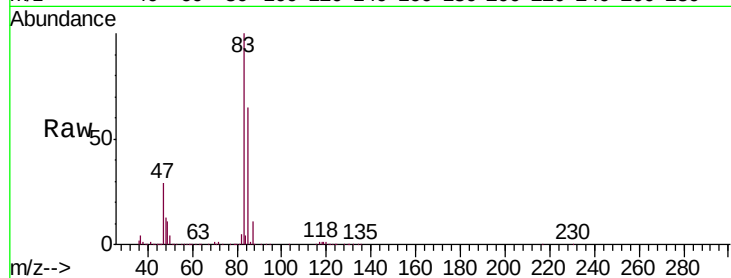




#29
Chloroform
Concen: 9.054 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

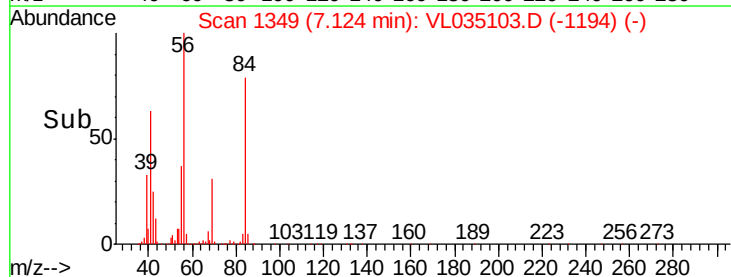
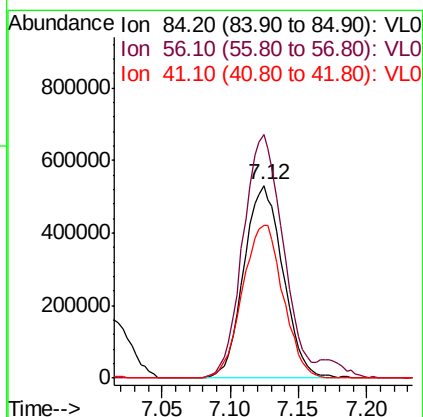
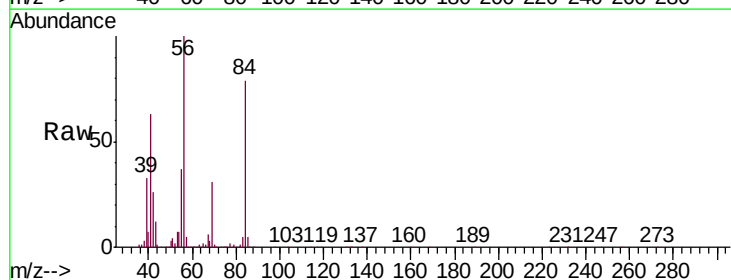
Instrument :
MSVOA_L
ClientSampleId :
BFB

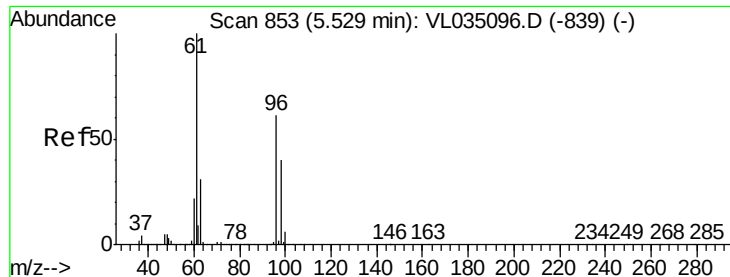
Tgt Ion: 83 Resp: 1906929
Ion Ratio Lower Upper
83 100
85 65.4 52.1 78.1



#30
Cyclohexane
Concen: 10.951 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 84 Resp: 1057734
Ion Ratio Lower Upper
84 100
56 135.7 108.0 162.0
41 82.3 65.6 98.4



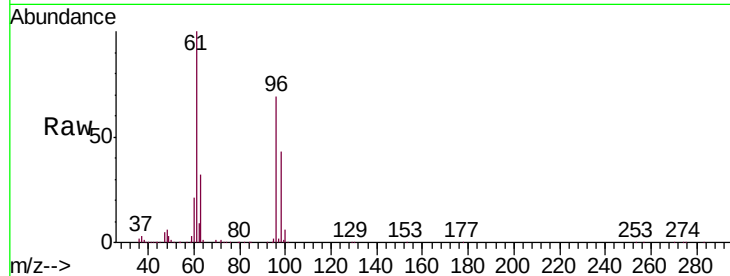


#31

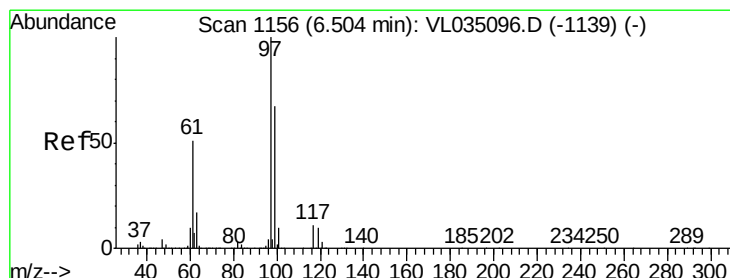
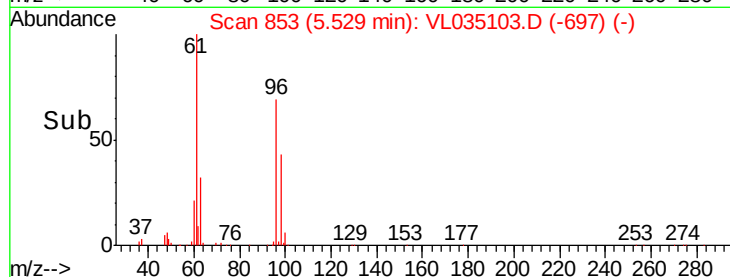
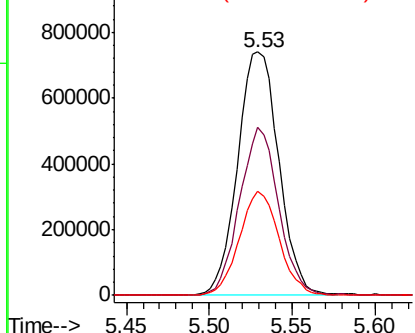
cis-1,2-Dichloroethene
 Concen: 10.294 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 61 Resp: 1277054
 Ion Ratio Lower Upper
 61 100
 96 69.0 48.8 73.2
 98 42.7 31.9 47.9



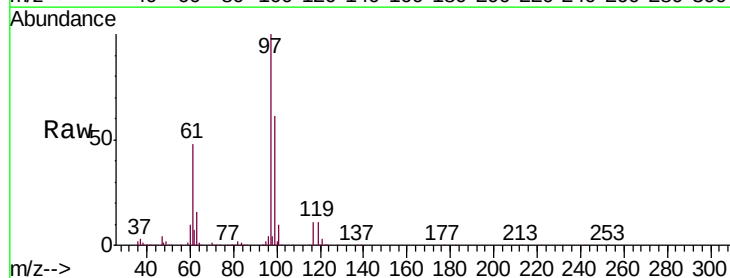
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



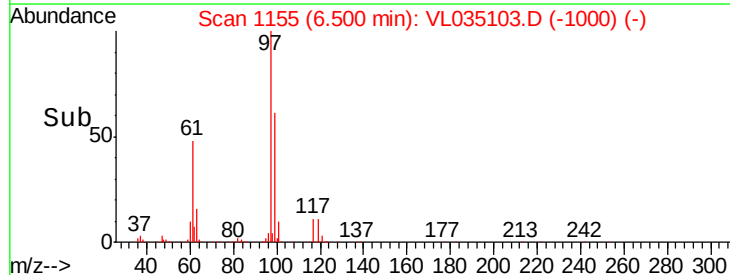
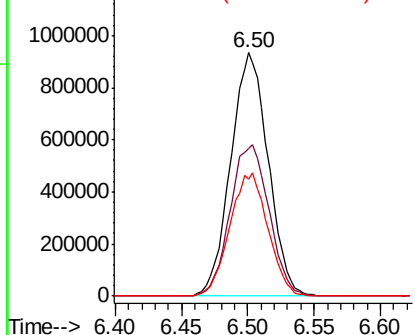
#32

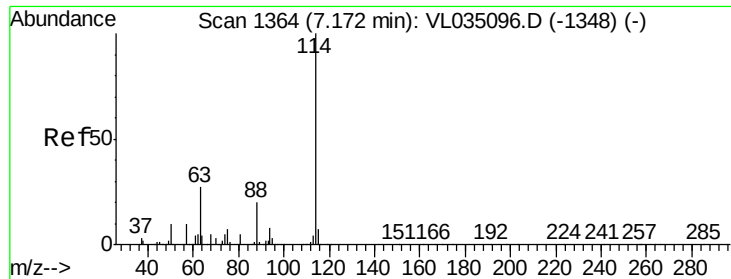
1,1,1-Trichloroethane
 Concen: 9.365 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion: 97 Resp: 1829326
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 51.8 41.0 61.6



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

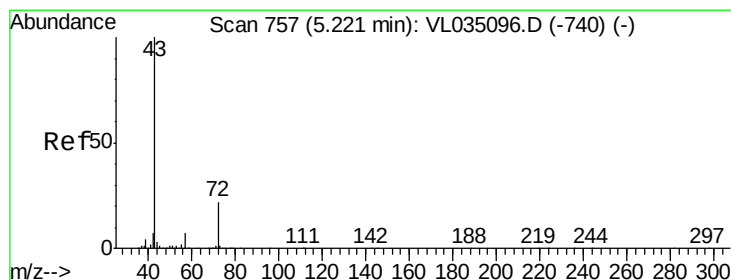
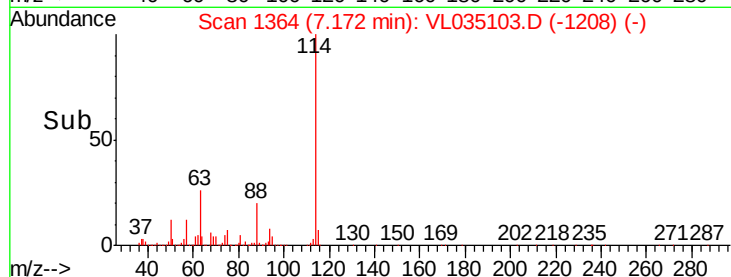
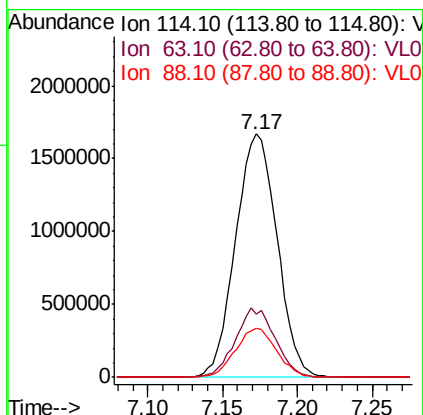
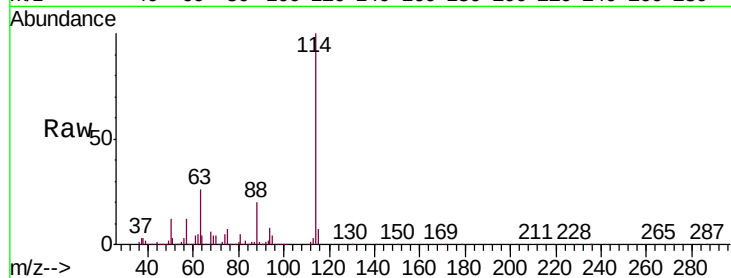




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

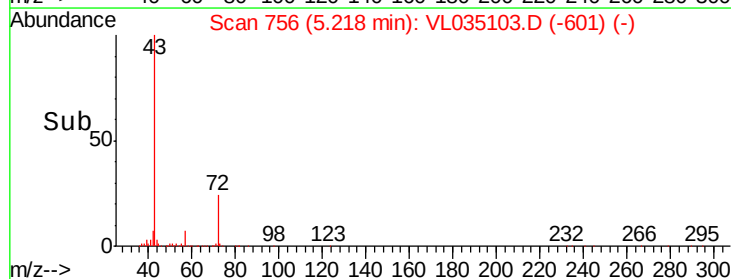
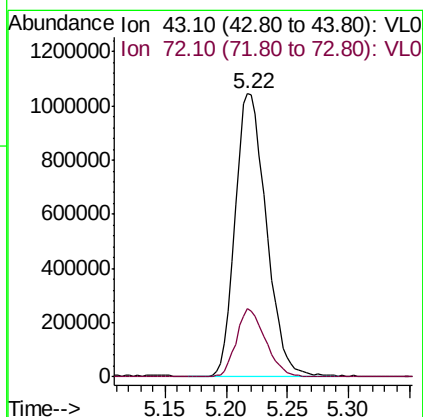
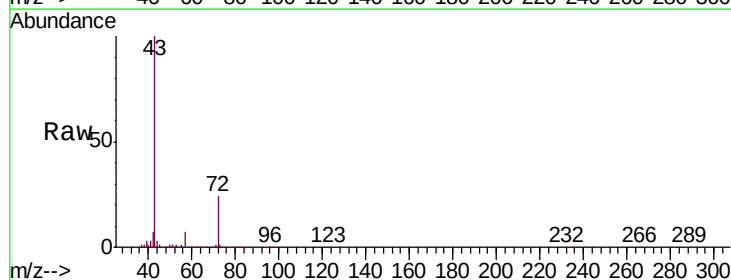
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

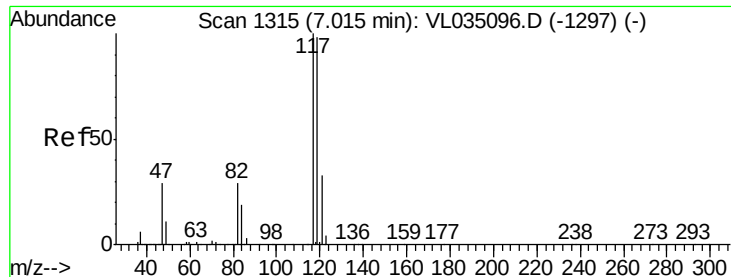
Tgt Ion:114 Resp: 3226825
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.9 32.9
 88 19.8 15.6 23.4



#34
 2-Butanone
 Concen: 9.931 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion: 43 Resp: 1840215
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.3 27.5





#35

Carbon Tetrachloride

Concen: 9.657 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

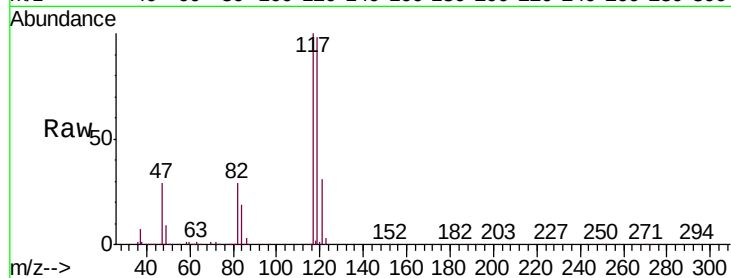
Tgt Ion:117 Resp: 1868922

Ion Ratio Lower Upper

117 100

119 98.2 78.3 117.5

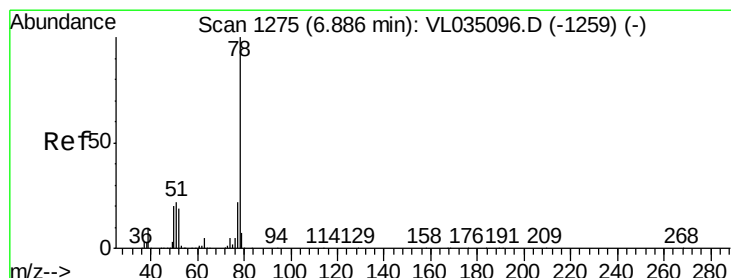
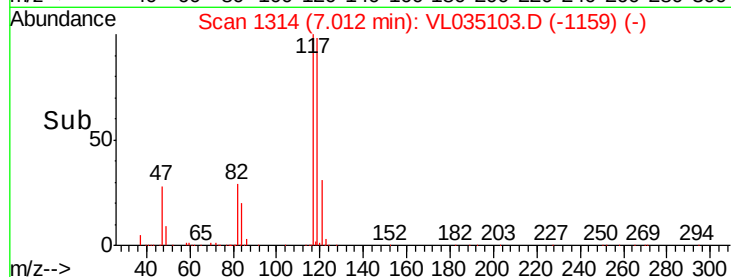
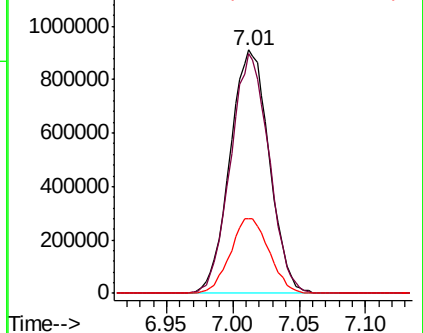
121 30.7 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.999 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

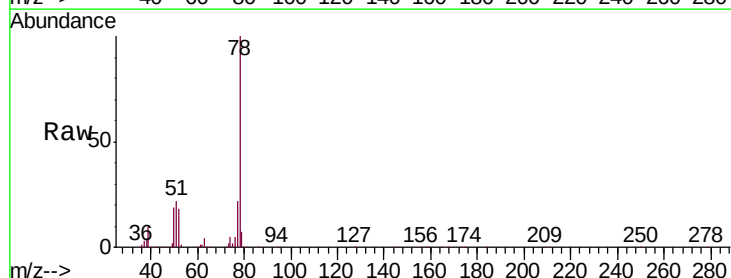
Tgt Ion: 78 Resp: 2498509

Ion Ratio Lower Upper

78 100

77 22.2 17.8 26.6

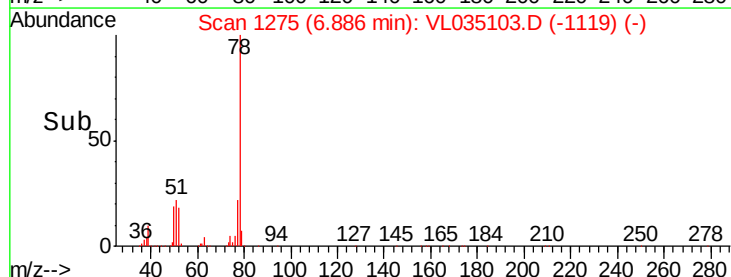
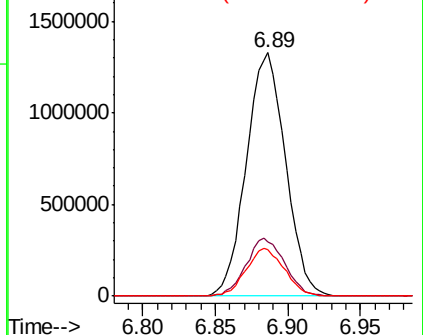
50 19.3 16.2 24.2

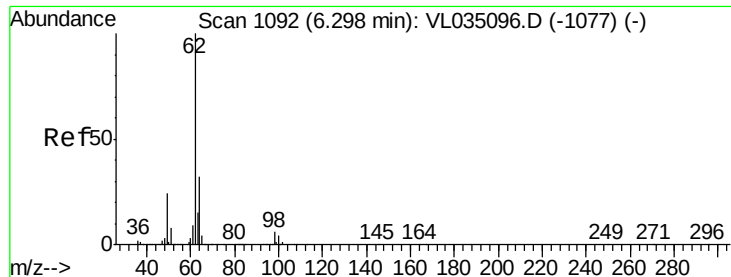


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

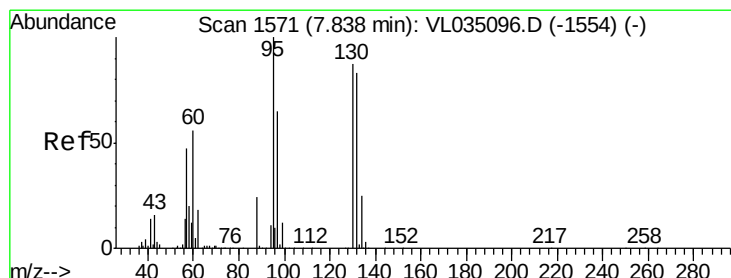
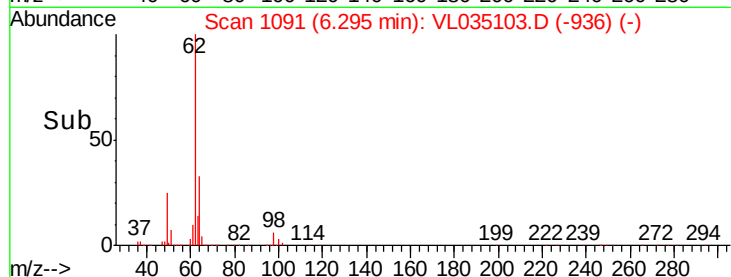
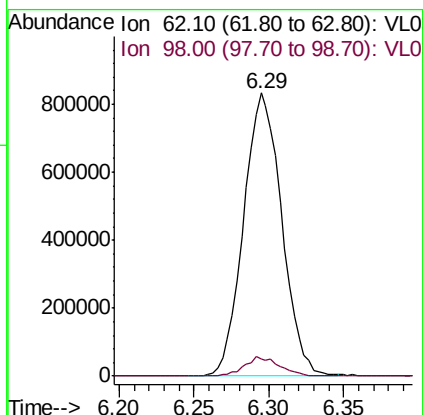
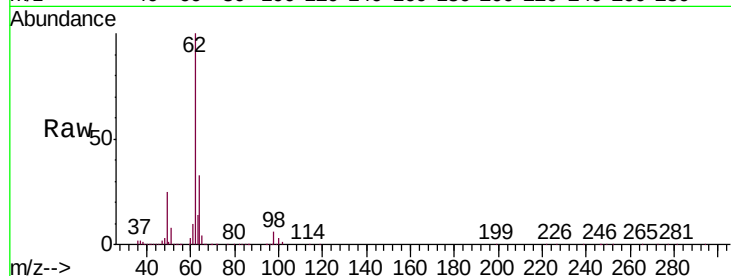




#37
 1,2-Dichloroethane
 Concen: 9.371 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

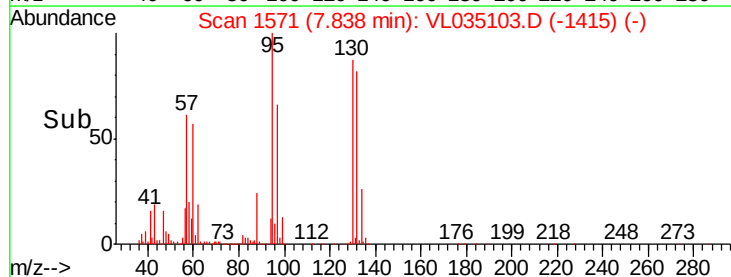
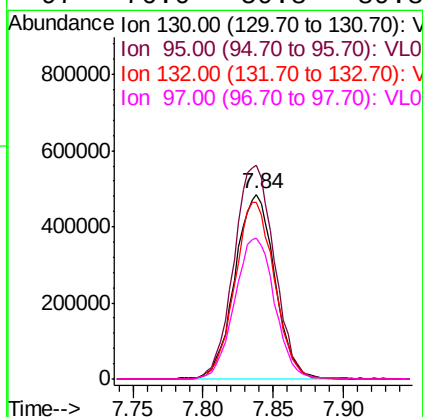
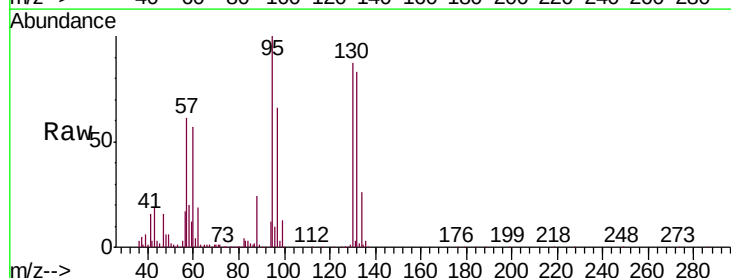
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

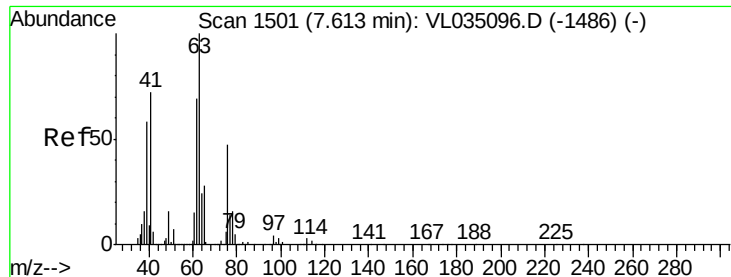
Tgt Ion: 62 Resp: 1479904
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.8 7.2



#38
 Trichloroethene
 Concen: 9.872 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion: 130 Resp: 958133
 Ion Ratio Lower Upper
 130 100
 95 115.4 91.4 137.2
 132 95.1 75.8 113.6
 97 76.0 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.077 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

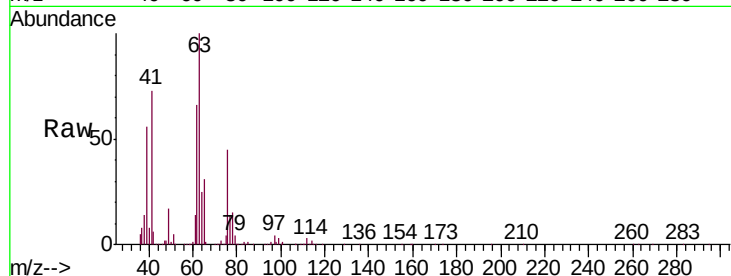
Tgt Ion: 63 Resp: 984786

Ion Ratio Lower Upper

63 100

41 72.9 58.0 87.0

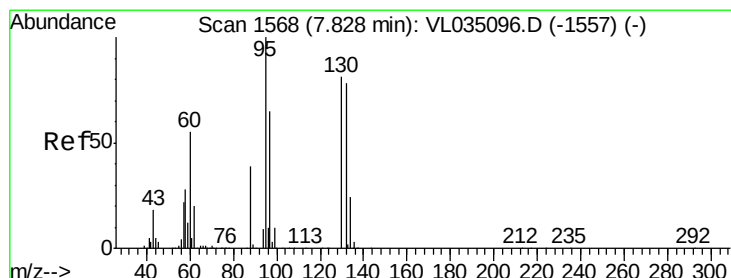
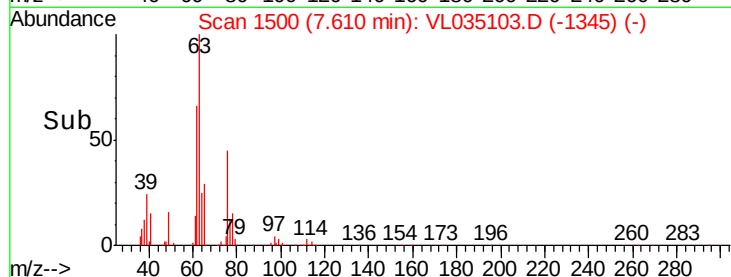
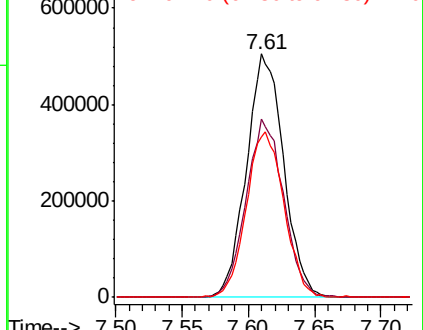
62 65.7 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.486 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion: 88 Resp: 365670

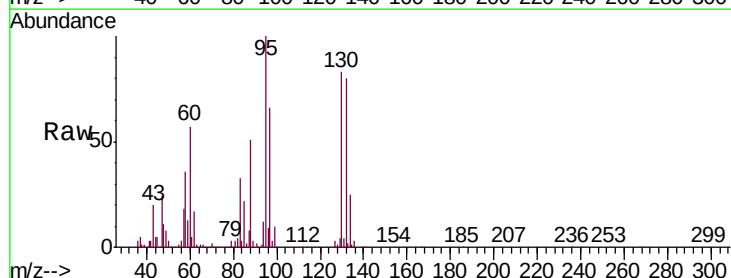
Ion Ratio Lower Upper

88 100

58 132.3 110.2 165.4

43 263.0 0.0 0.0#

57 1161.9 0.0 0.0#

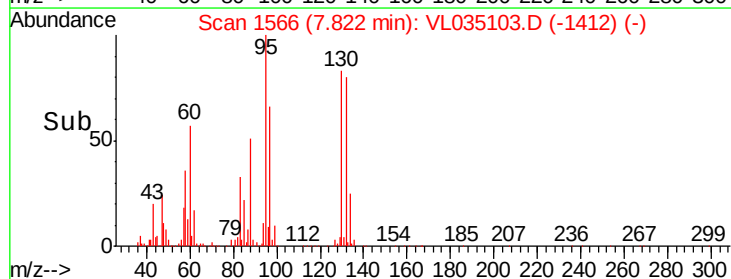
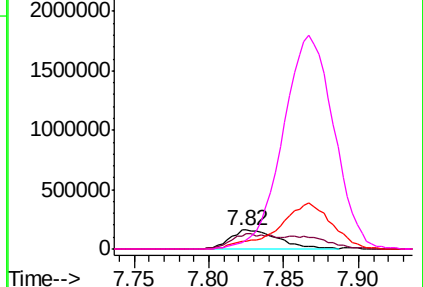


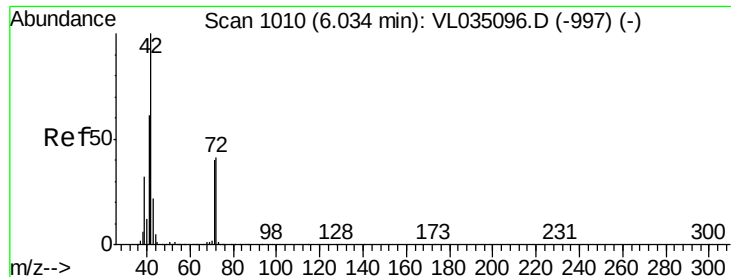
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

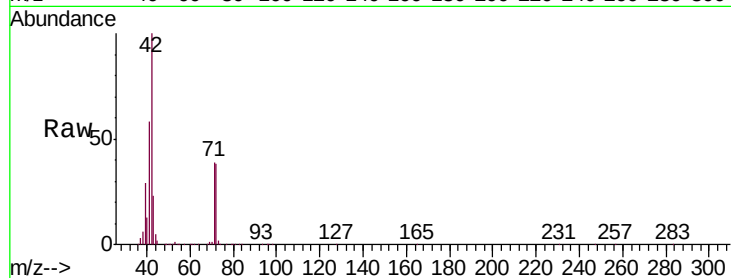




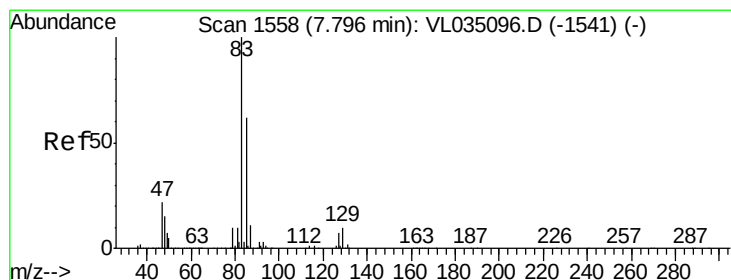
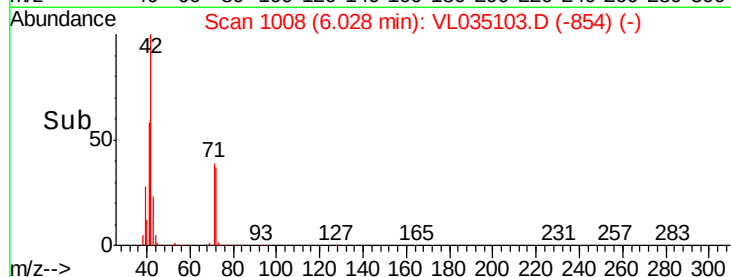
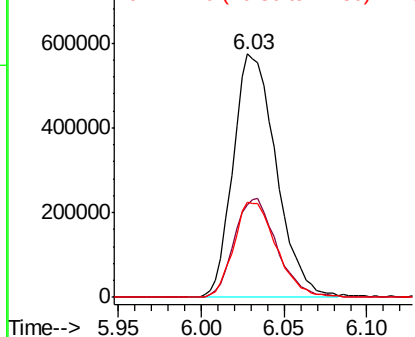
#41
Tetrahydrofuran
Concen: 10.966 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 42 Resp: 1037890
Ion Ratio Lower Upper
42 100
72 40.3 33.4 50.2
71 39.1 31.8 47.6

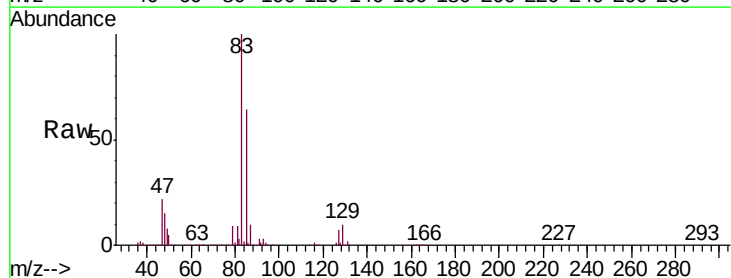


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

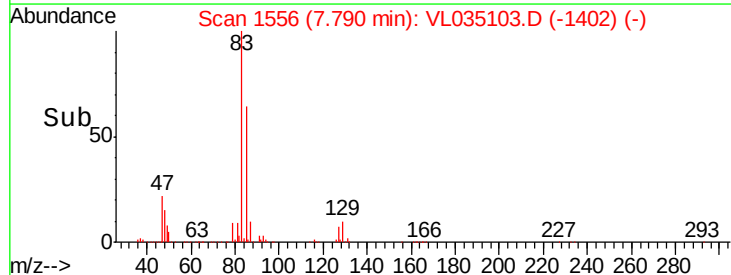
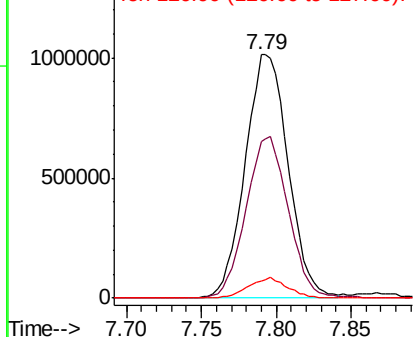


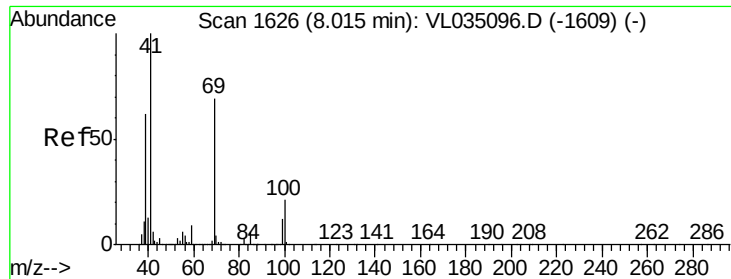
#42
Bromodichloromethane
Concen: 9.923 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 83 Resp: 2029408
Ion Ratio Lower Upper
83 100
85 64.1 49.4 74.0
127 7.1 5.9 8.9



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

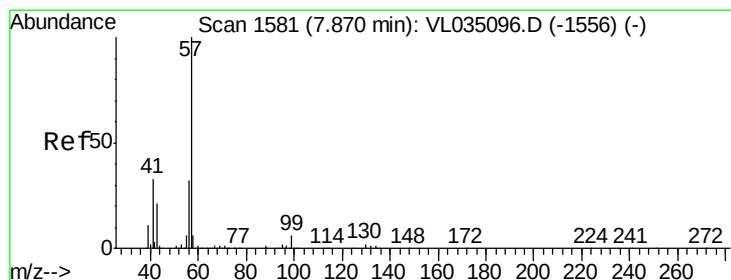
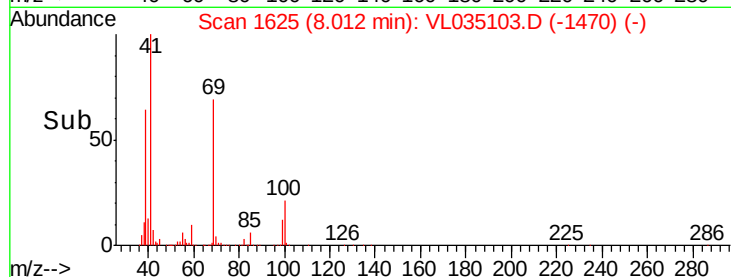
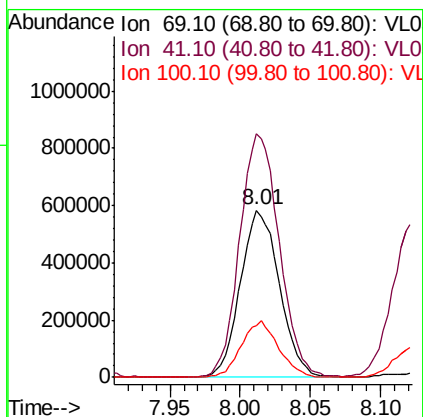
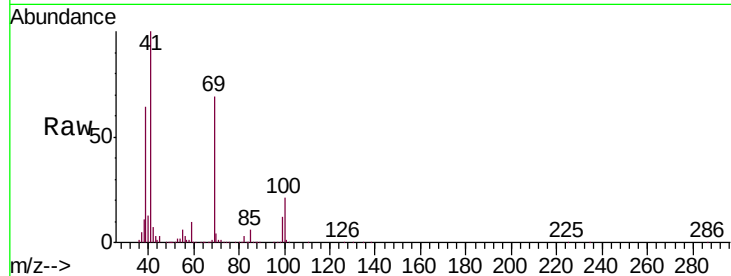




#43
Methyl Methacrylate
Concen: 10.737 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

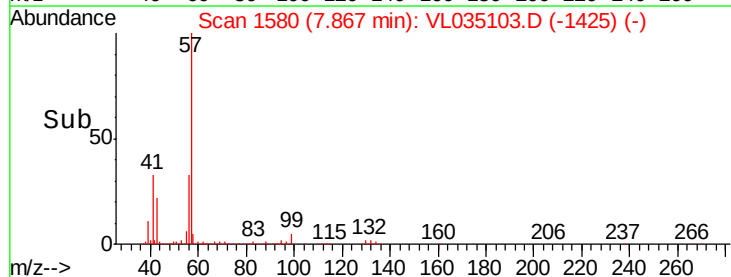
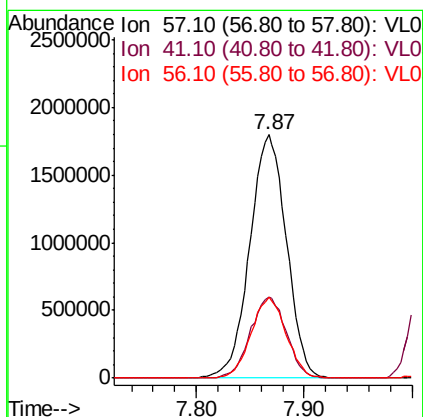
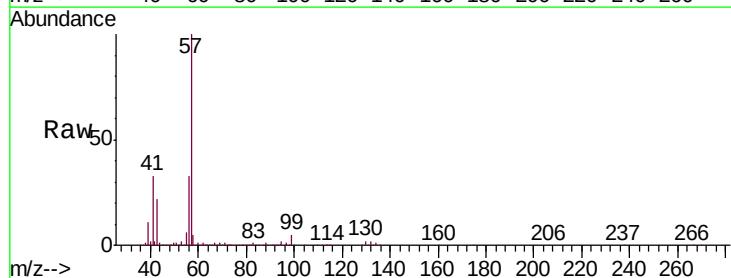
Instrument :
MSVOA_L
ClientSampleId :
BFB

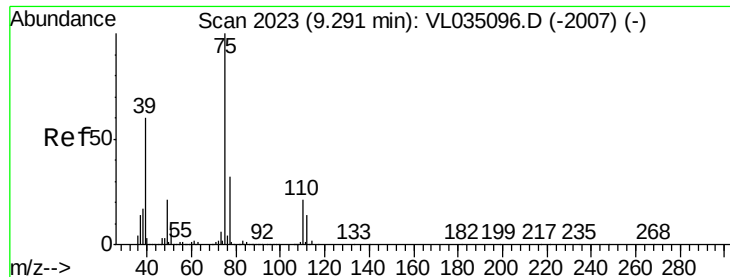
Tgt Ion: 69 Resp: 113551
Ion Ratio Lower Upper
69 100
41 147.5 116.4 174.6
100 32.2 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.718 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 57 Resp: 4238034
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.2
56 31.8 25.4 38.2

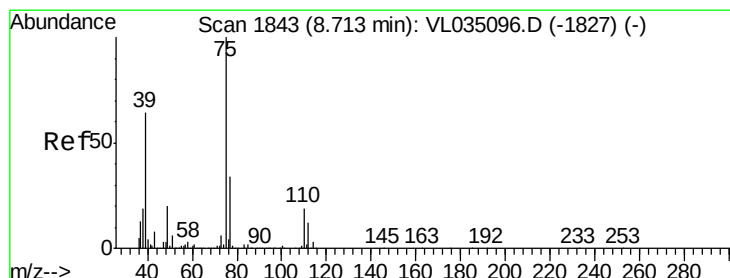
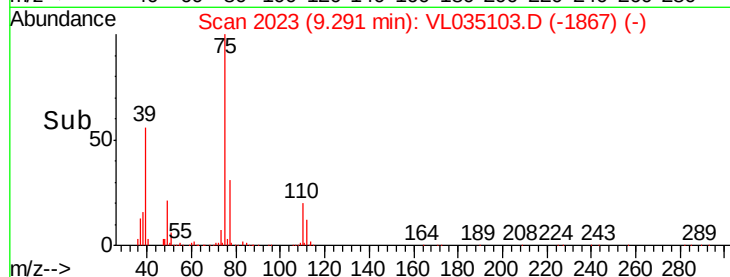
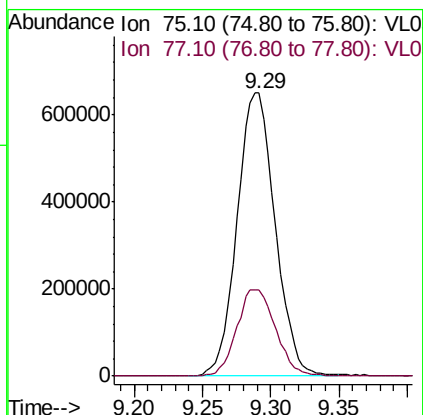
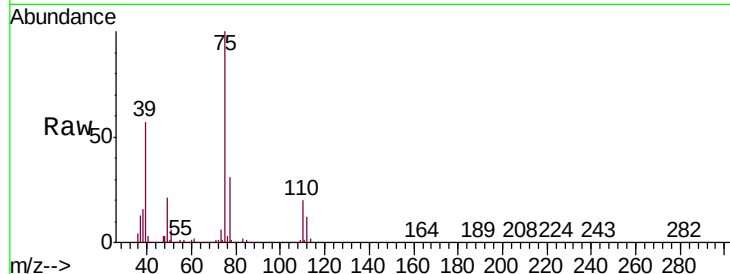




#45
 t-1,3-Dichloropropene
 Concen: 12.182 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

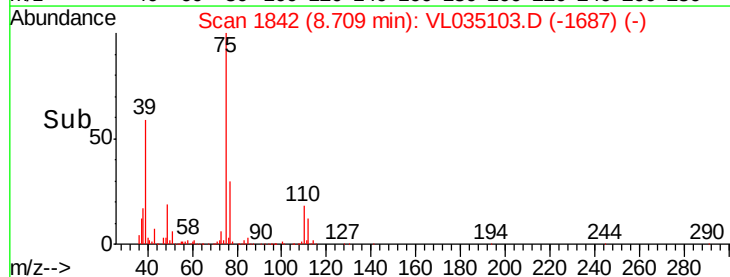
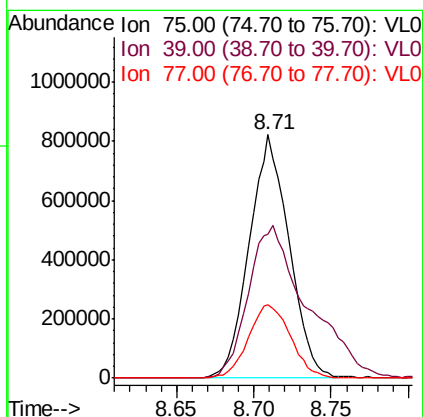
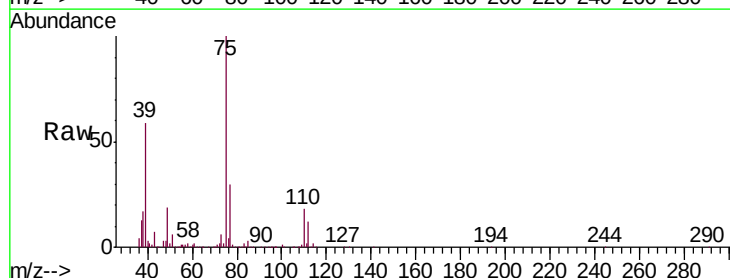
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

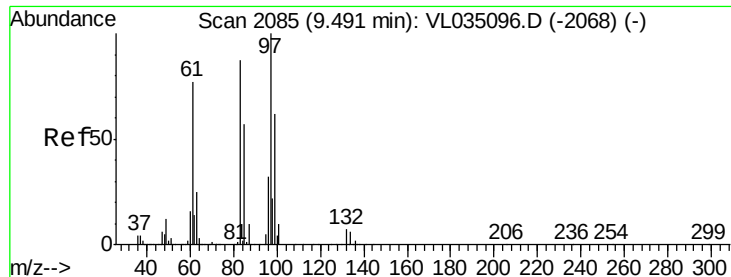
Tgt Ion: 75 Resp: 1253884
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.541 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion: 75 Resp: 1475740
 Ion Ratio Lower Upper
 75 100
 39 59.1 51.1 76.7
 77 30.1 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 9.615 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 1025573

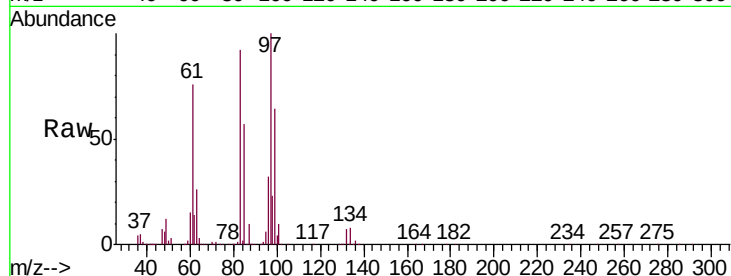
Ion Ratio Lower Upper

97 100

83 91.7 69.5 104.3

85 56.7 46.0 69.0

99 64.2 49.6 74.4

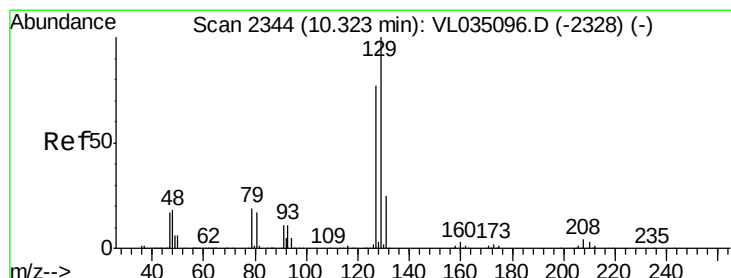
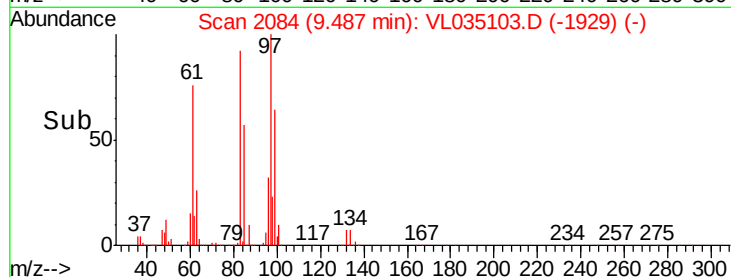
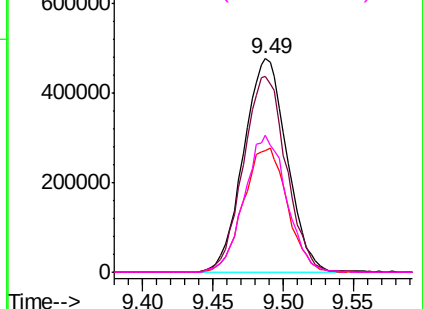


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.529 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.00 min

Lab File: VL035103.D

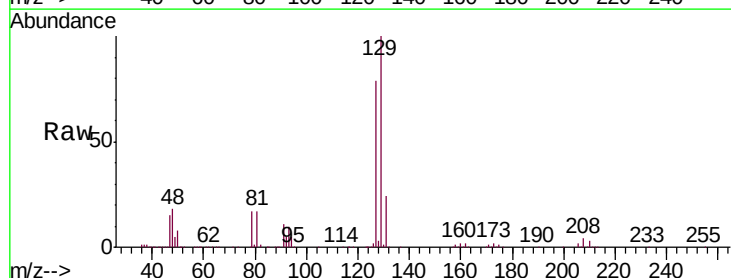
Acq: 19 Jun 2020 20:26

Tgt Ion: 129 Resp: 1674146

Ion Ratio Lower Upper

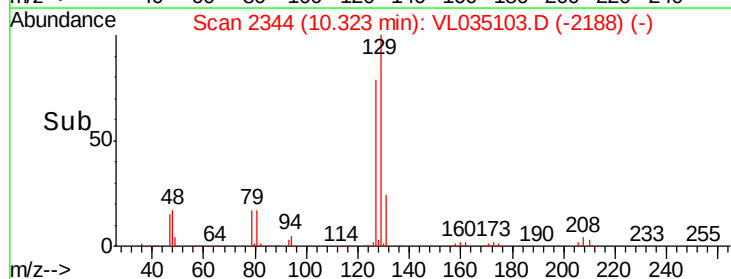
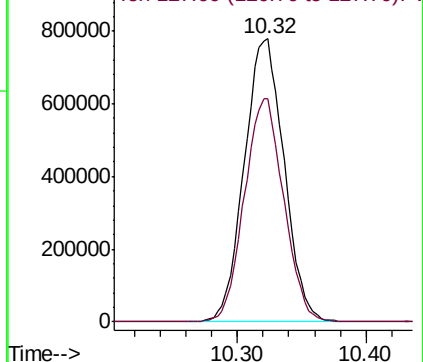
129 100

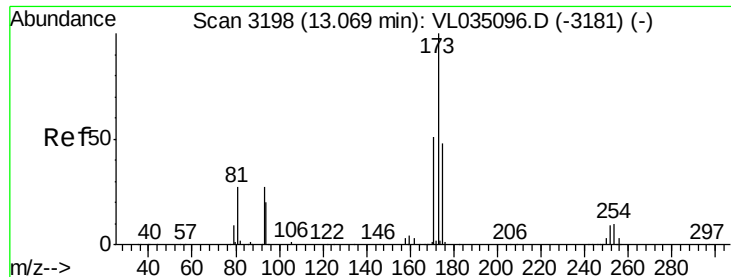
127 78.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.665 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

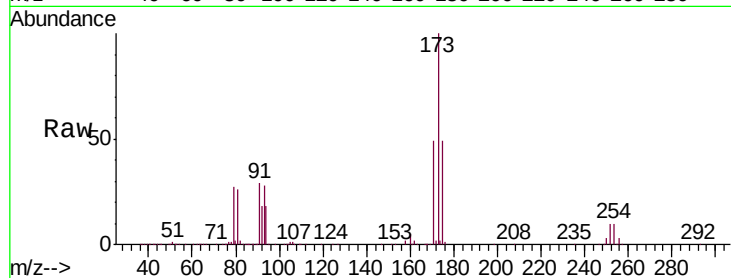
Tgt Ion:173 Resp: 1440644

Ion Ratio Lower Upper

173 100

175 49.9 39.1 58.7

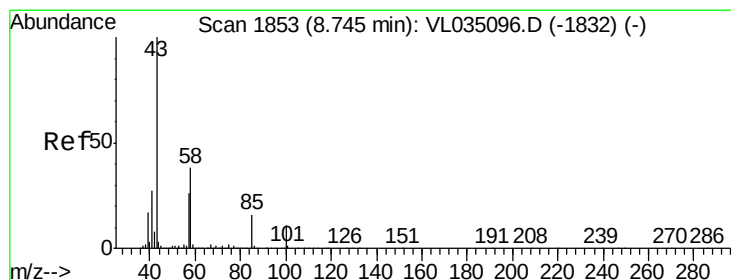
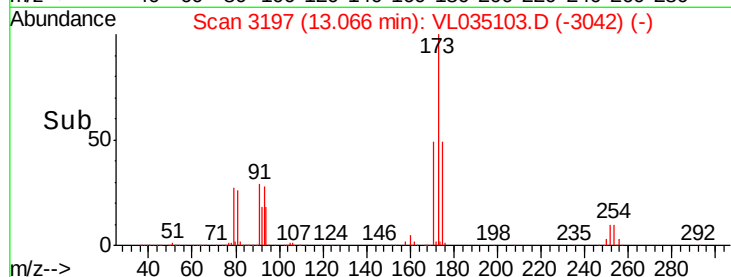
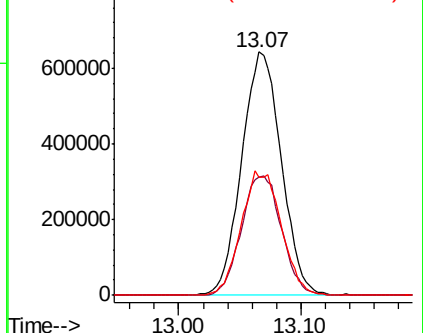
171 51.6 41.7 62.5



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.206 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL035103.D

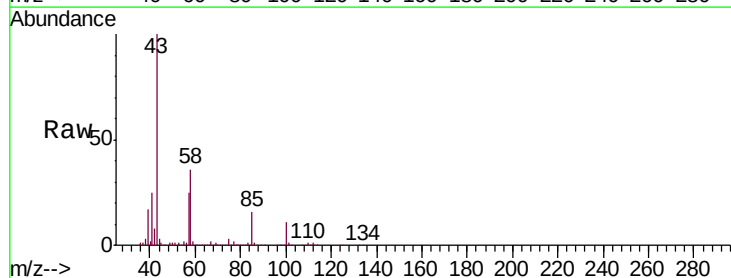
Acq: 19 Jun 2020 20:26

Tgt Ion: 43 Resp: 2687162

Ion Ratio Lower Upper

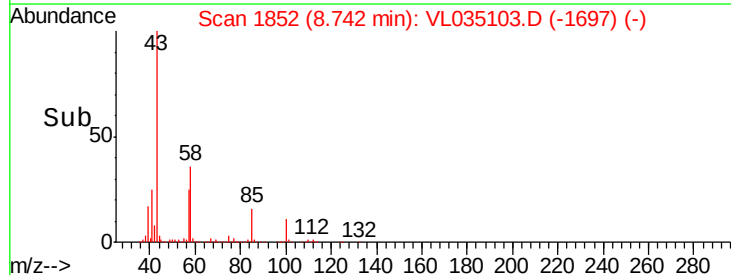
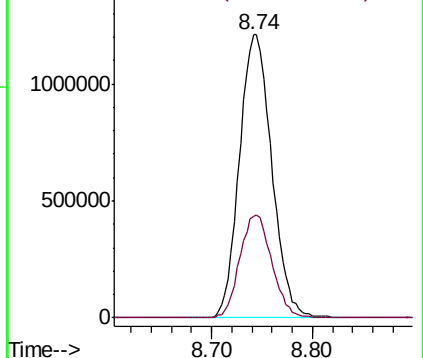
43 100

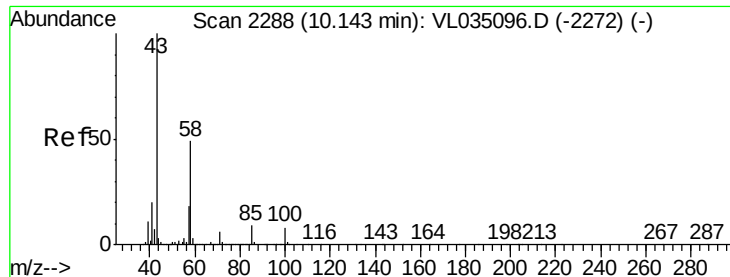
58 36.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

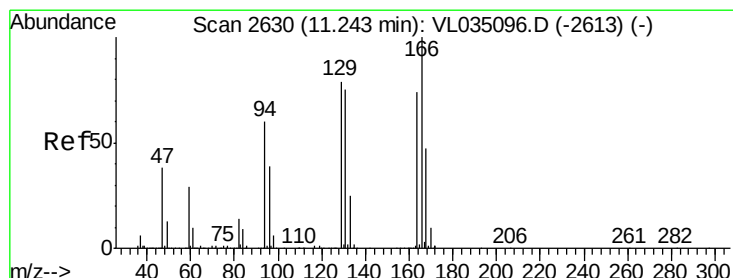
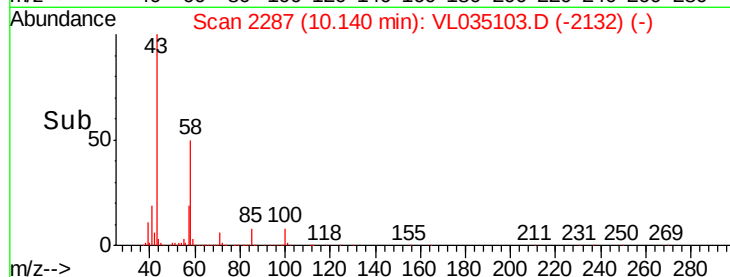
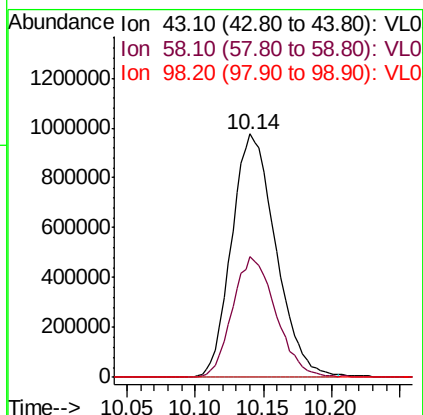
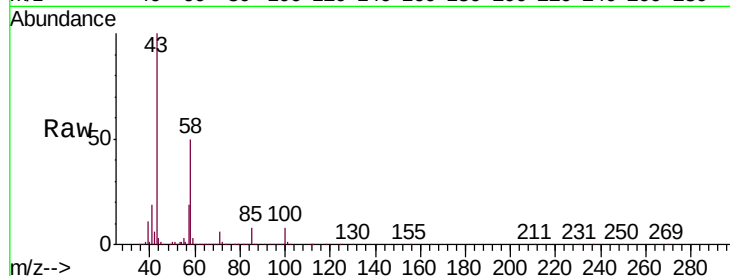




#51
2-Hexanone
Concen: 10.622 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

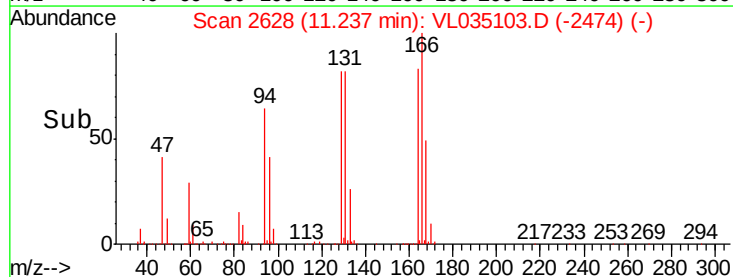
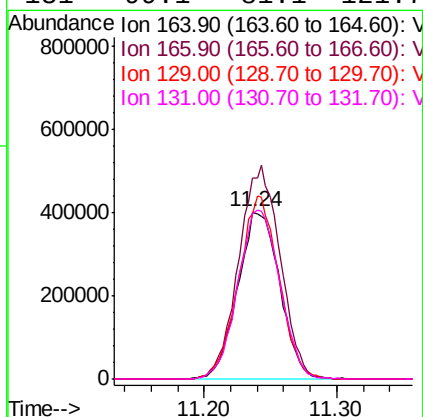
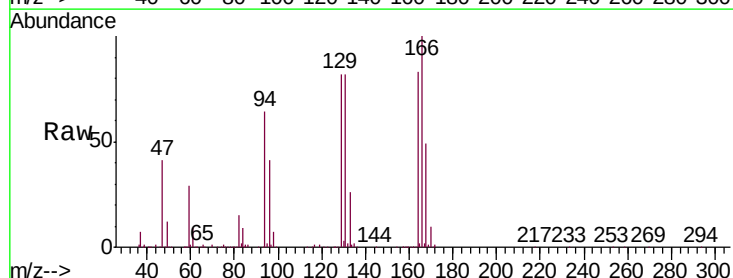
Instrument :
MSVOA_L
ClientSampled :
BFB

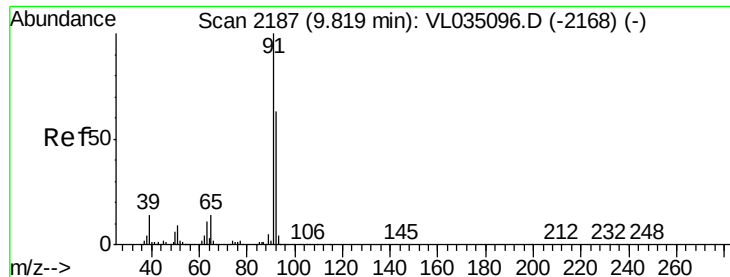
Tgt Ion: 43 Resp: 2190156
Ion Ratio Lower Upper
43 100
58 49.2 39.2 58.8
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 9.967 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 164 Resp: 877497
Ion Ratio Lower Upper
164 100
166 120.4 107.5 161.3
129 98.7 84.9 127.3
131 99.1 81.1 121.7





#53

Toluene

Concen: 10.730 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

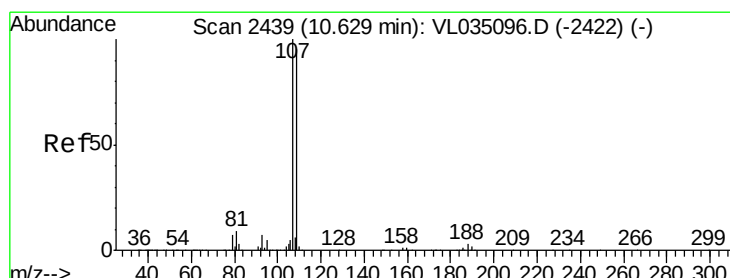
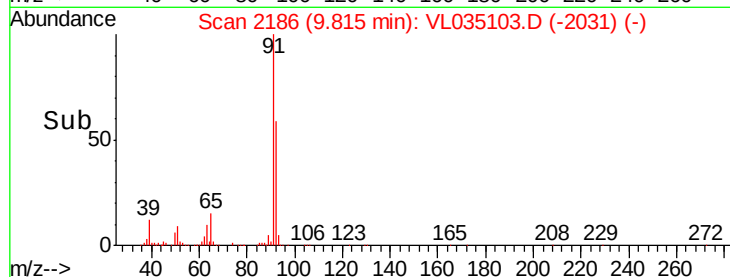
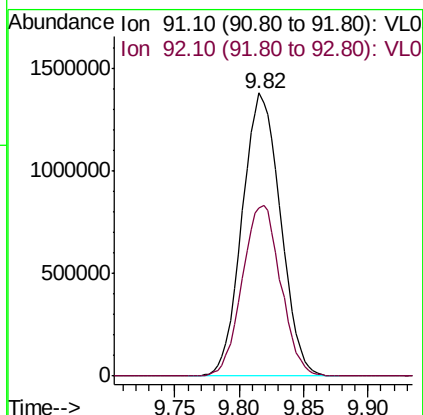
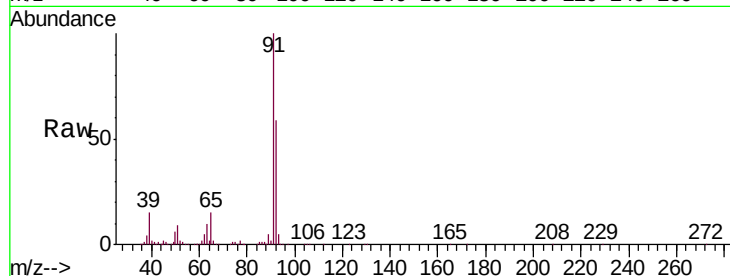
BFB

Tgt Ion: 91 Resp: 2859775

Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.901 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035103.D

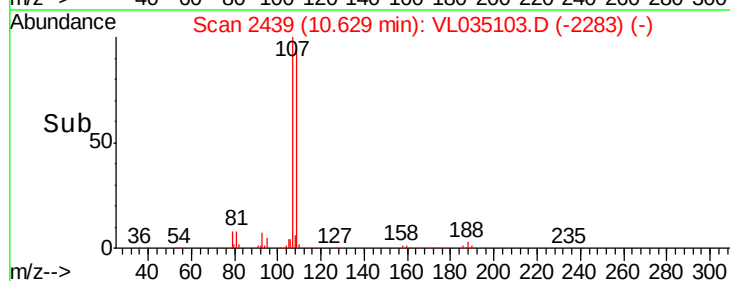
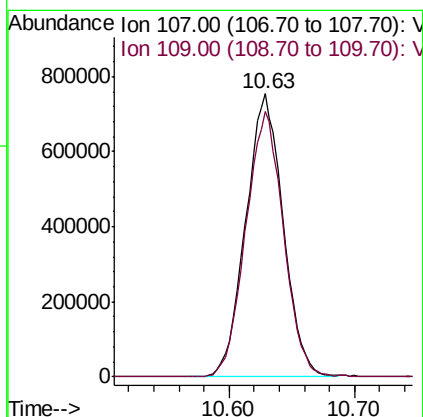
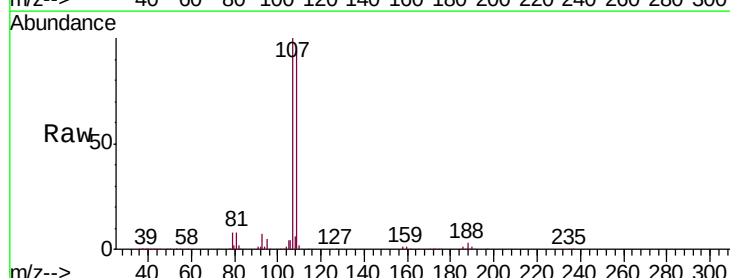
Acq: 19 Jun 2020 20:26

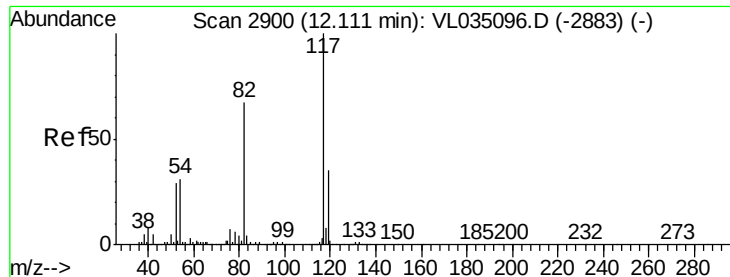
Tgt Ion: 107 Resp: 1563588

Ion Ratio Lower Upper

107 100

109 93.7 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampled :

BFB

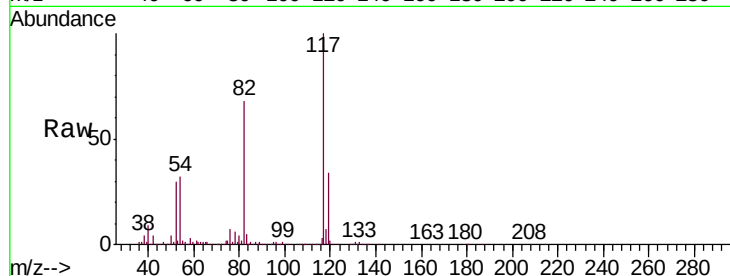
Tgt Ion:117 Resp: 3388099

Ion Ratio Lower Upper

117 100

82 63.4 50.4 75.6

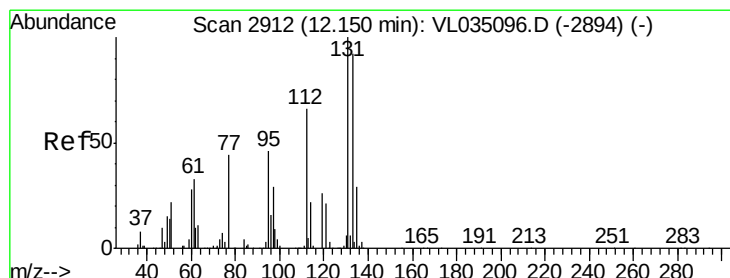
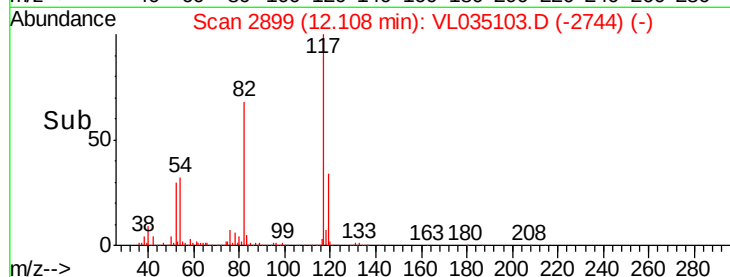
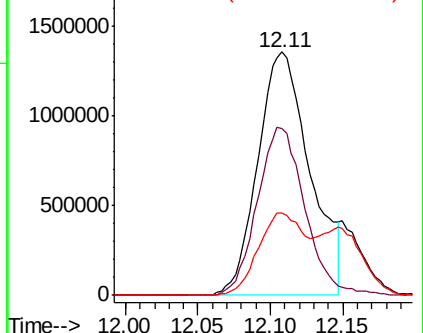
119 53.8 25.4 38.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.130 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

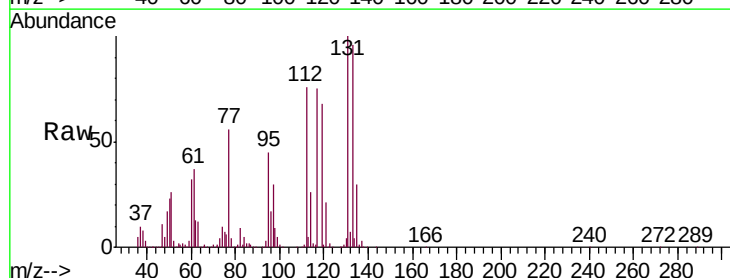
Tgt Ion:131 Resp: 1265934

Ion Ratio Lower Upper

131 100

133 94.6 76.2 114.4

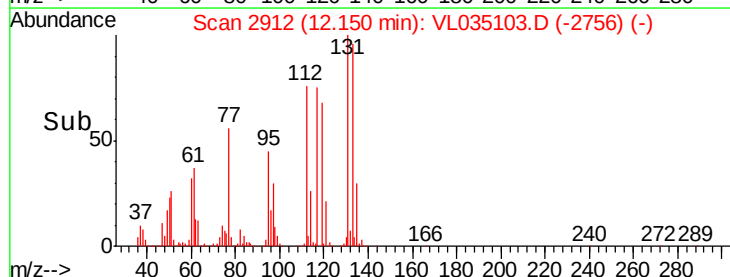
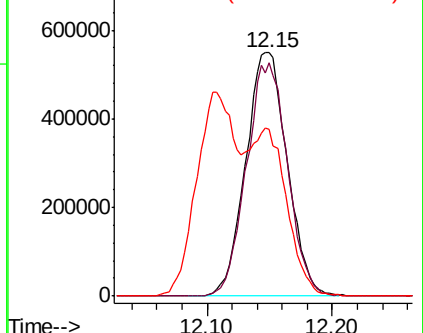
119 59.7 114.6 172.0#

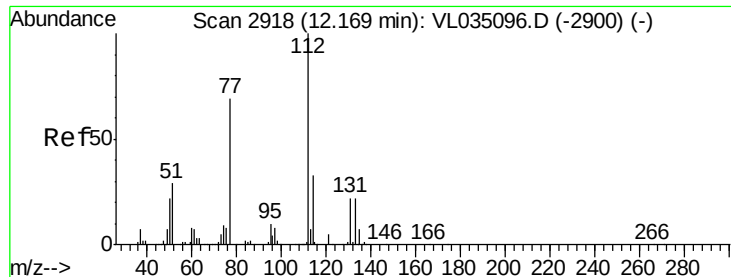


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

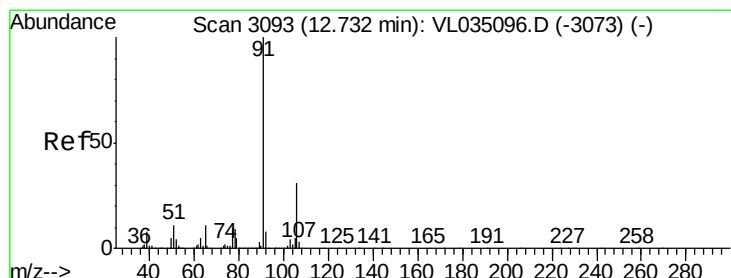
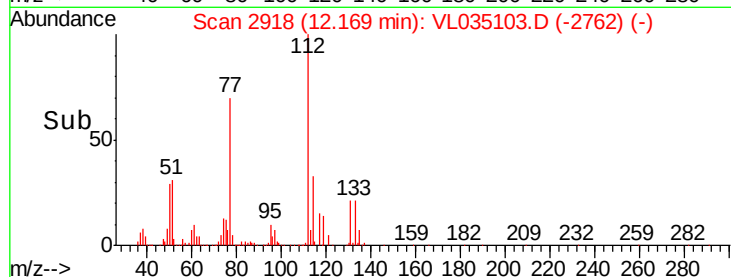
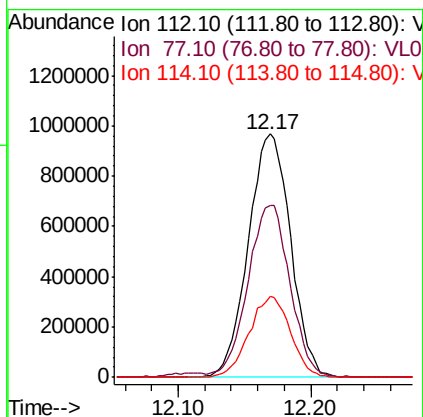
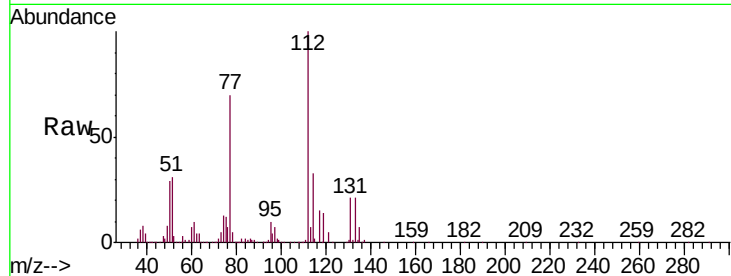




#57
Chlorobenzene
Concen: 8.638 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

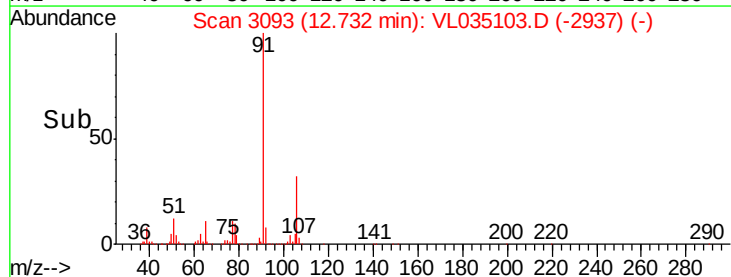
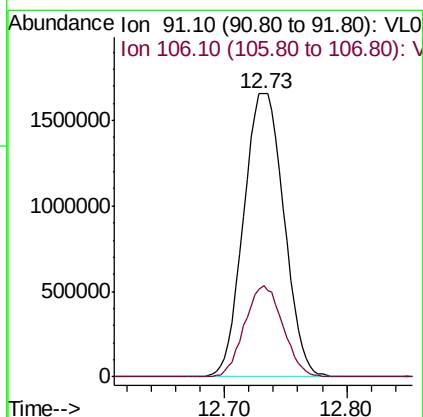
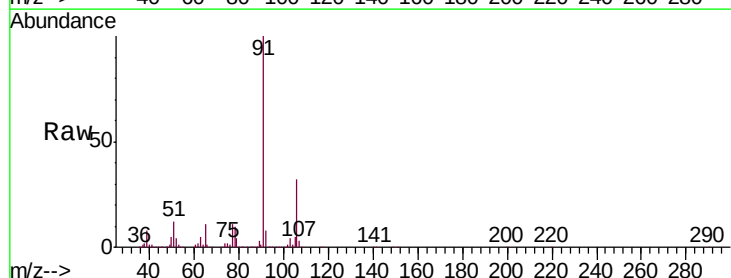
Instrument :
MSVOA_L
ClientSampleId :
BFB

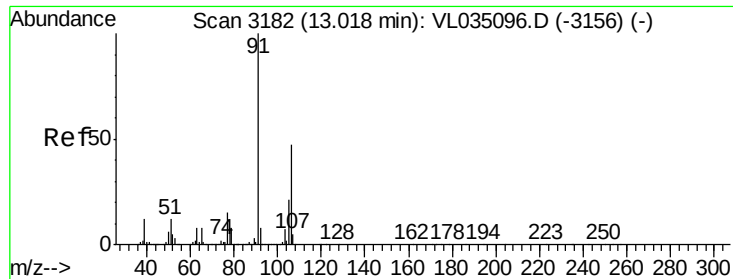
Tgt Ion: 112 Resp: 2153447
Ion Ratio Lower Upper
112 100
77 70.1 56.7 85.1
114 33.0 29.3 35.9



#58
Ethyl Benzene
Concen: 9.956 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 91 Resp: 3790026
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.6





#59

m/p-Xylene

Concen: 9.932 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

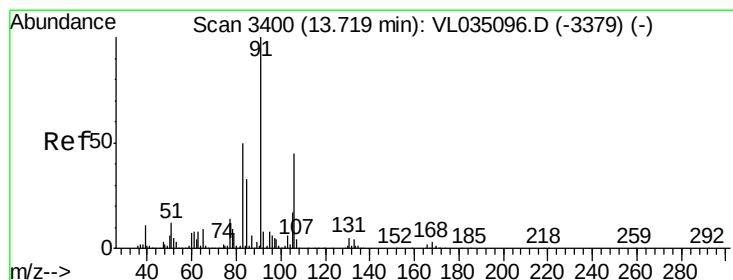
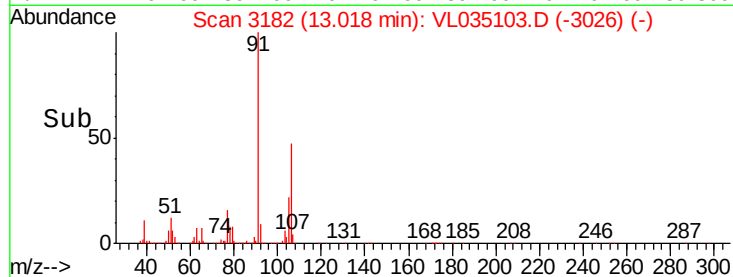
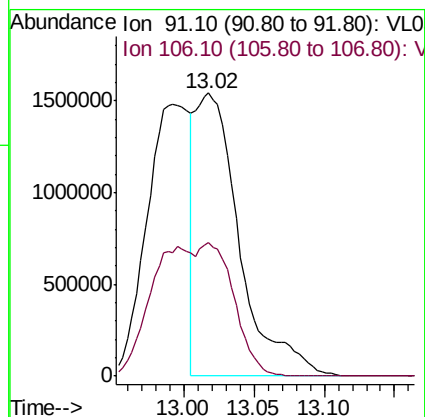
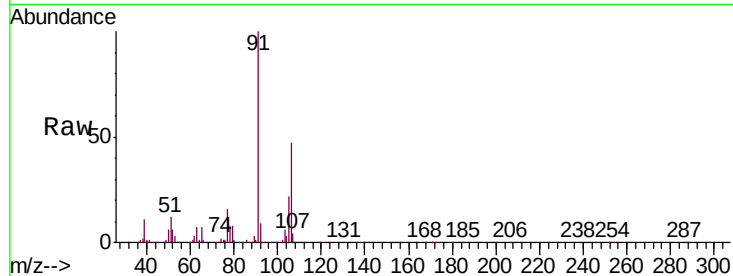
BFB

Tgt Ion: 91 Resp: 3350863

Ion Ratio Lower Upper

91 100

106 84.7 36.5 54.7#



#60

o-Xylene

Concen: 9.173 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035103.D

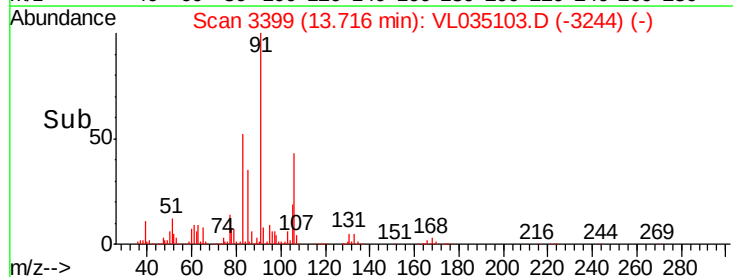
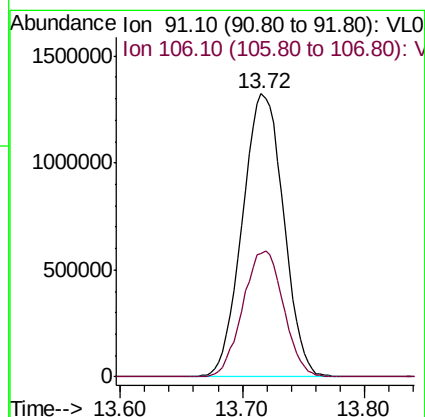
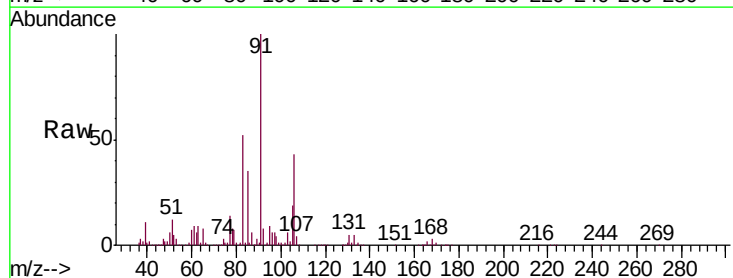
Acq: 19 Jun 2020 20:26

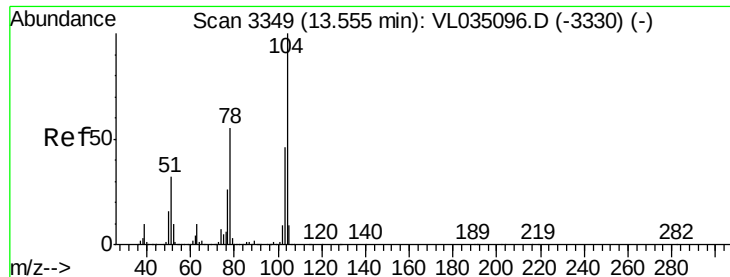
Tgt Ion: 91 Resp: 3081087

Ion Ratio Lower Upper

91 100

106 44.1 22.1 66.5





#61

Styrene

Concen: 10.619 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

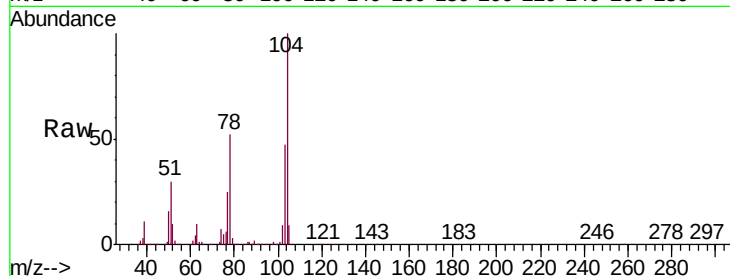
Tgt Ion:104 Resp: 2244293

Ion Ratio Lower Upper

104 100

78 53.0 43.4 65.0

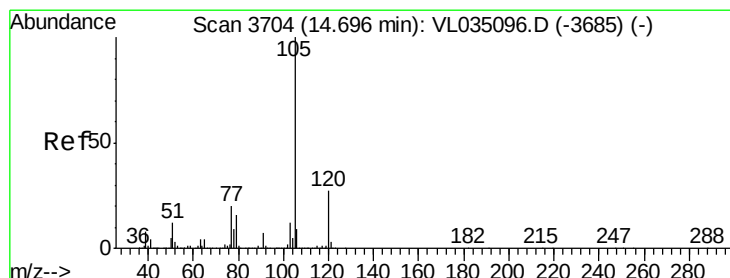
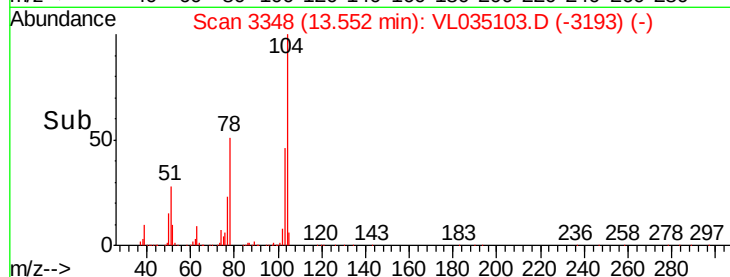
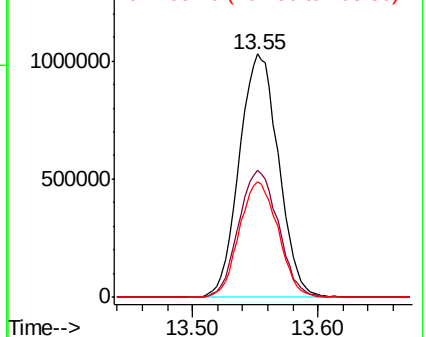
103 47.0 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.010 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035103.D

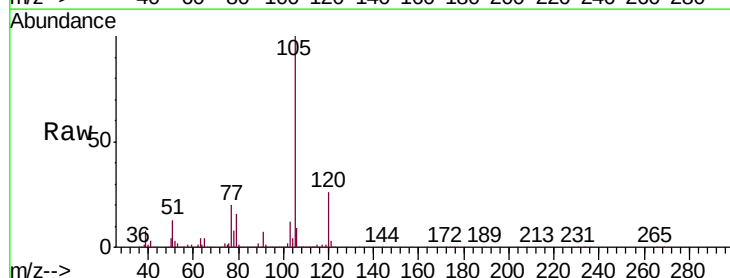
Acq: 19 Jun 2020 20:26

Tgt Ion:105 Resp: 4515619

Ion Ratio Lower Upper

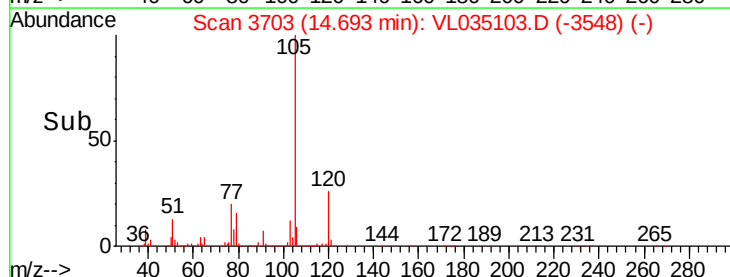
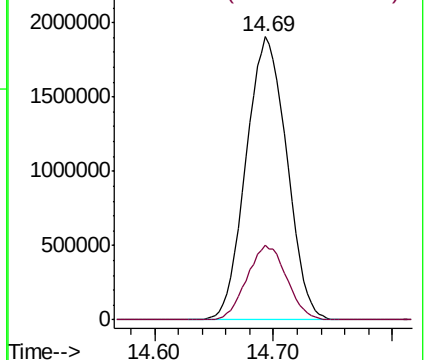
105 100

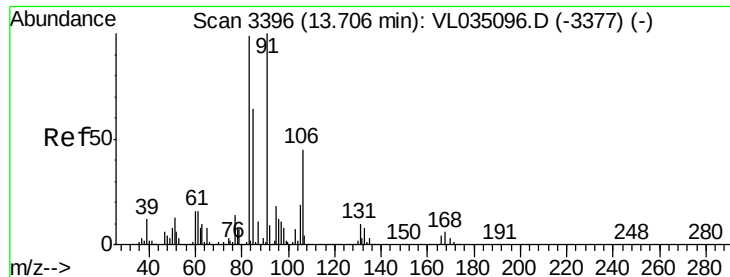
120 25.7 20.8 31.2



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: 7.944 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

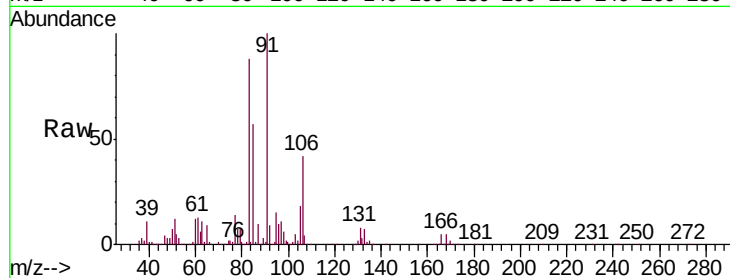
Tgt Ion: 83 Resp: 2160994

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

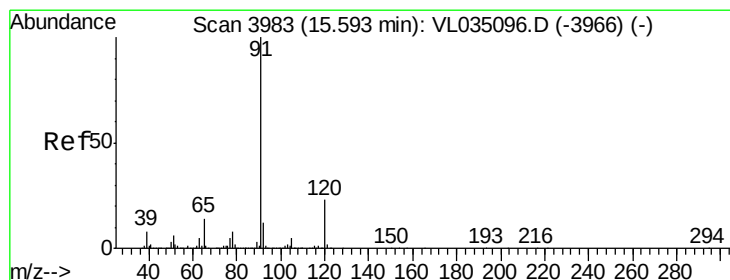
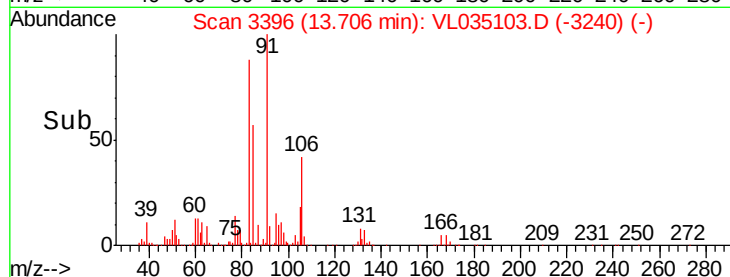
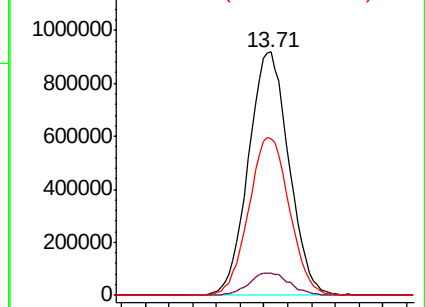
85 65.3 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.276 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL035103.D

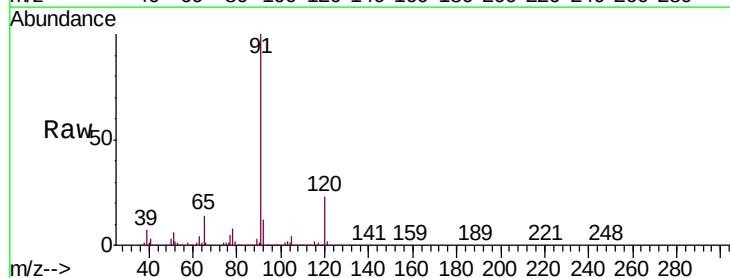
Acq: 19 Jun 2020 20:26

Tgt Ion:120 Resp: 1186466

Ion Ratio Lower Upper

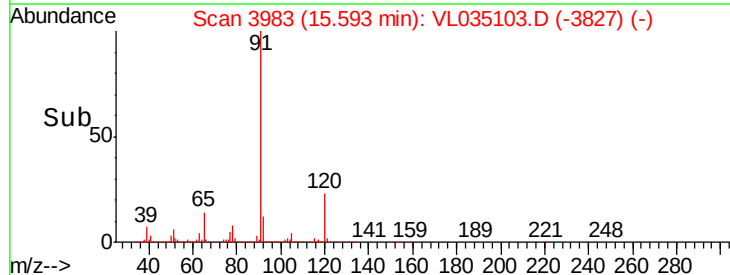
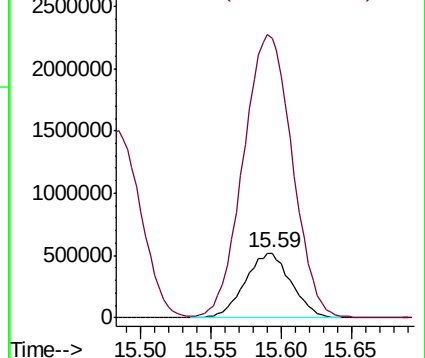
120 100

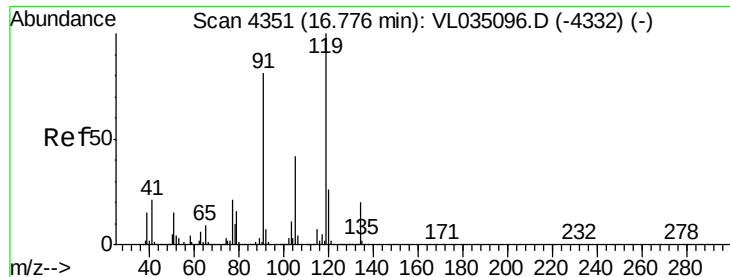
91 466.6 367.9 551.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.981 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

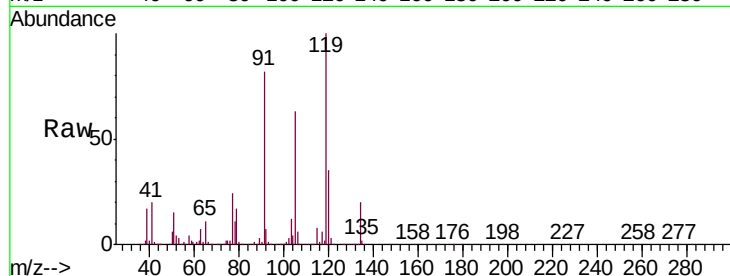
Tgt Ion:119 Resp: 3854437

Ion Ratio Lower Upper

119 100

91 84.9 67.6 101.4

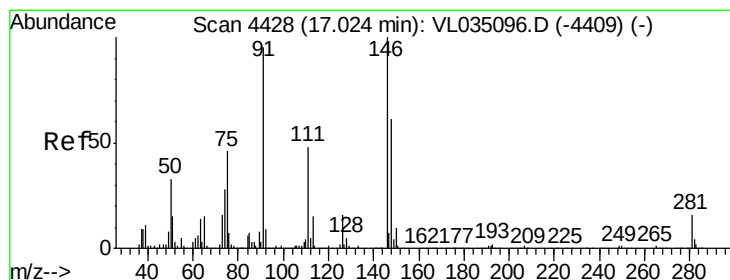
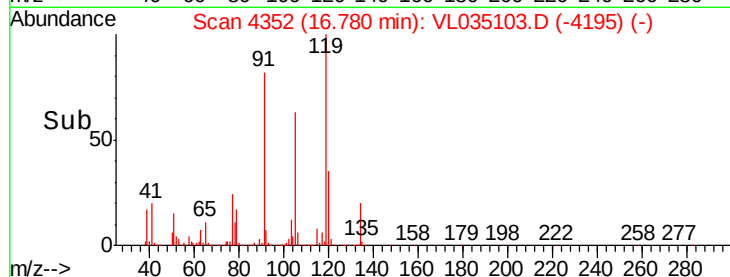
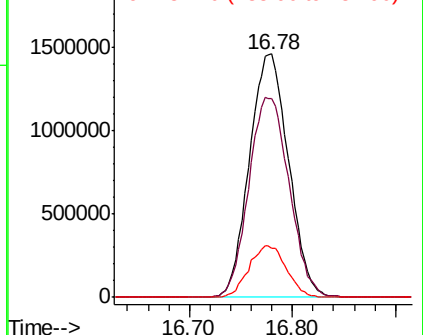
134 20.3 15.7 23.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.947 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

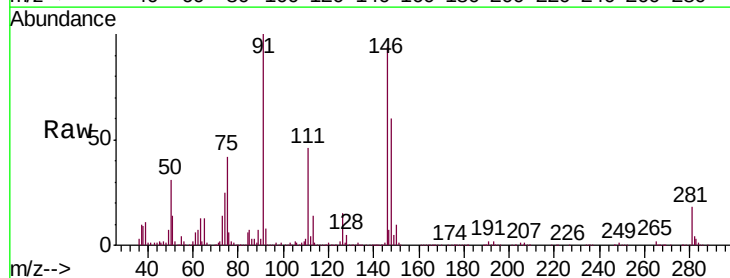
Tgt Ion: 91 Resp: 1451344

Ion Ratio Lower Upper

91 100

126 16.6 13.5 20.3

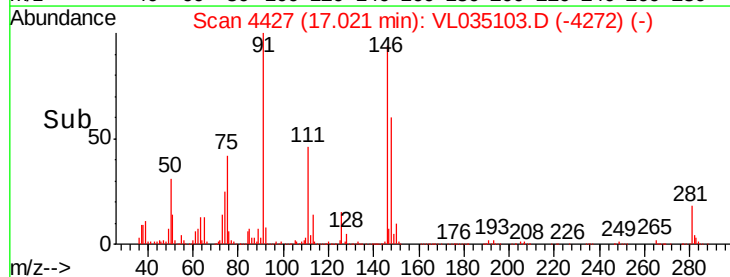
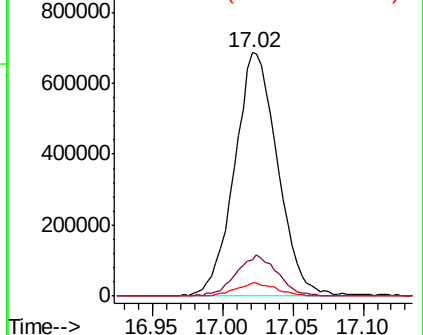
128 5.2 4.3 6.5

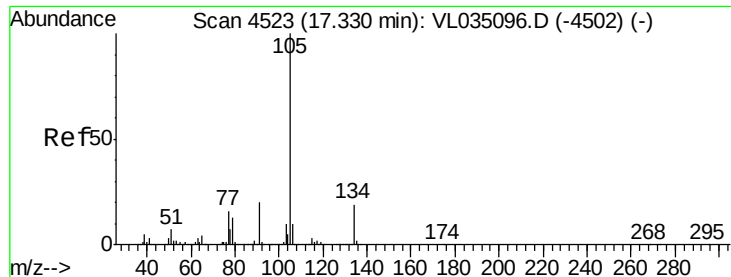


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.937 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampled :

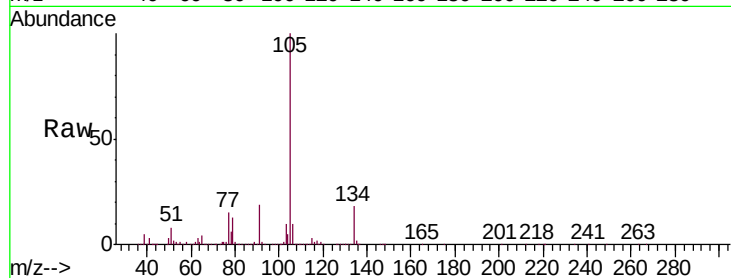
BFB

Tgt Ion:105 Resp: 5497652

Ion Ratio Lower Upper

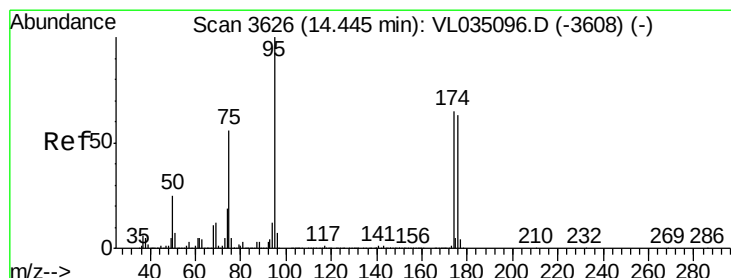
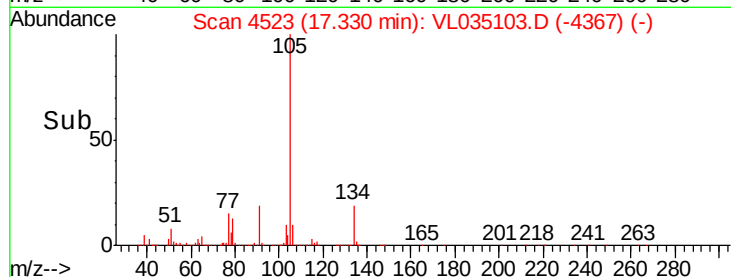
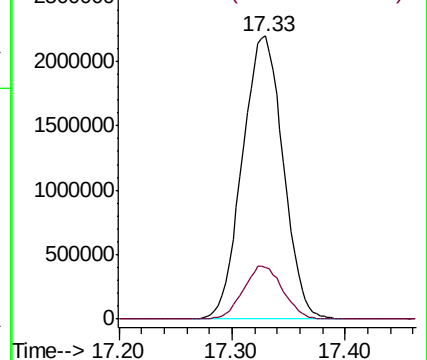
105 100

134 18.2 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.218 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

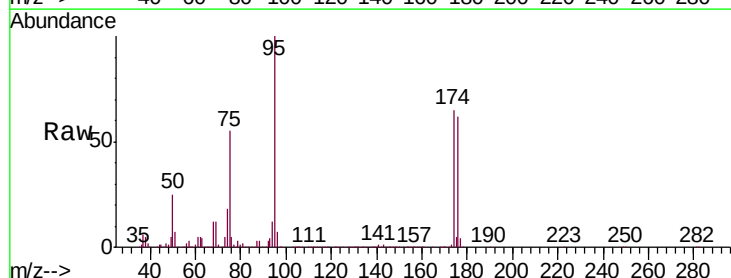
Tgt Ion: 95 Resp: 2594463

Ion Ratio Lower Upper

95 100

174 65.1 52.2 78.2

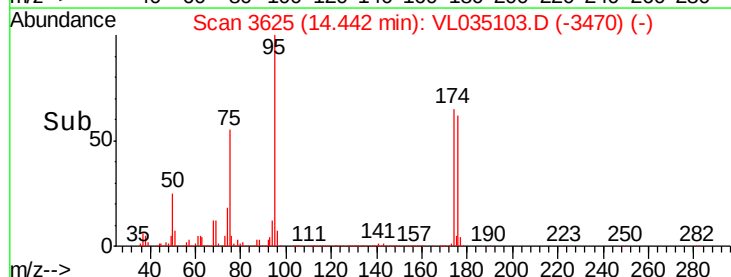
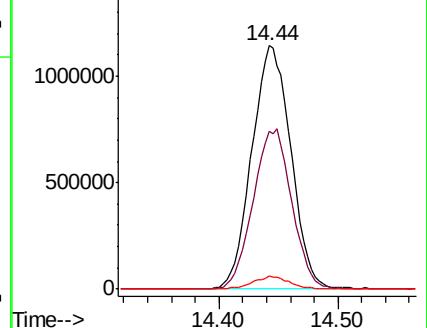
175 4.9 4.0 6.0

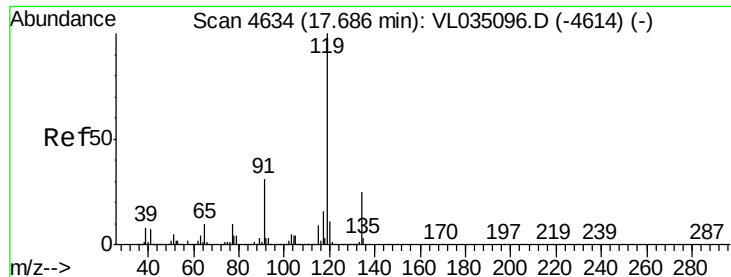


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.179 ppbv

RT: 17.68 min Scan# 4633

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

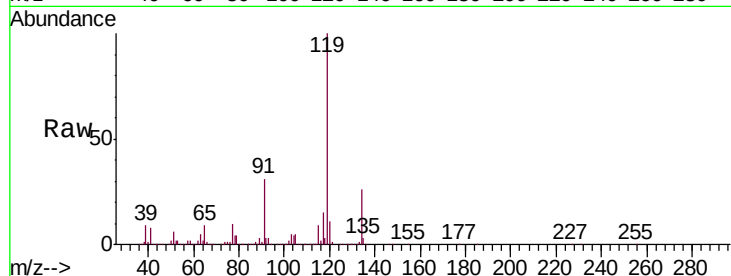
Tgt Ion: 119 Resp: 4503808

Ion Ratio Lower Upper

119 100

134 25.4 20.4 30.6

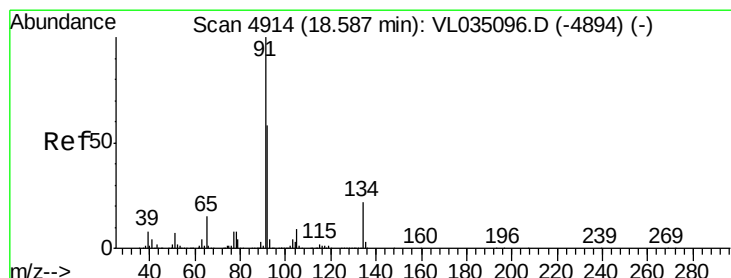
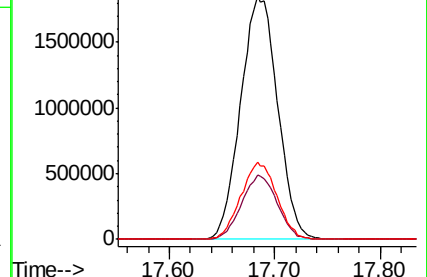
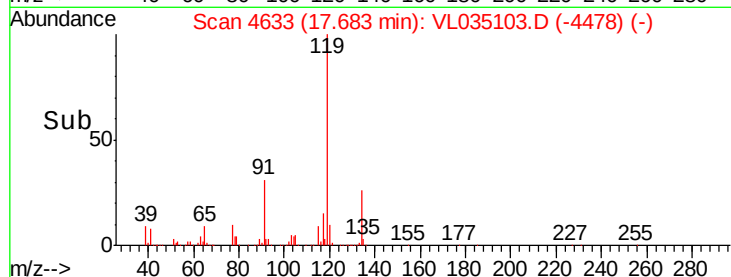
91 30.9 24.5 36.7



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.901 ppbv

RT: 18.59 min Scan# 4914

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

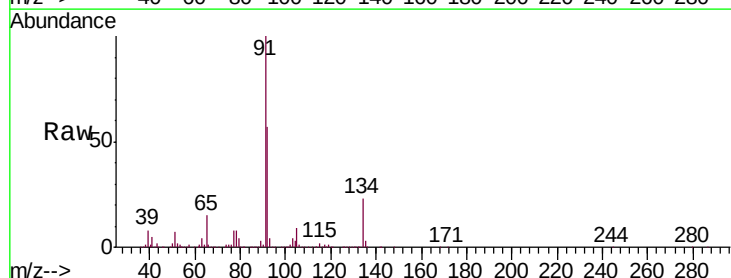
Tgt Ion: 91 Resp: 4704278

Ion Ratio Lower Upper

91 100

92 55.2 44.4 66.6

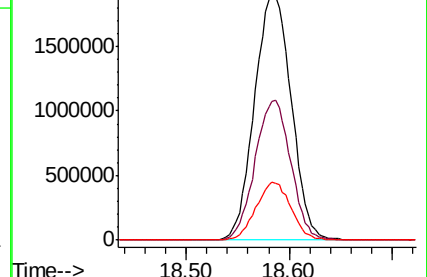
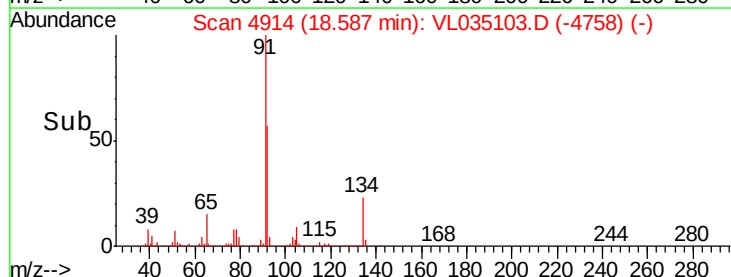
134 22.4 18.0 27.0

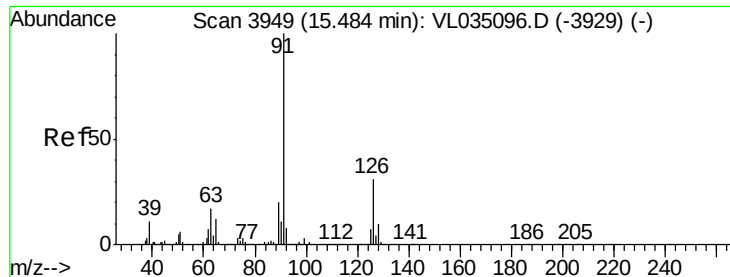


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

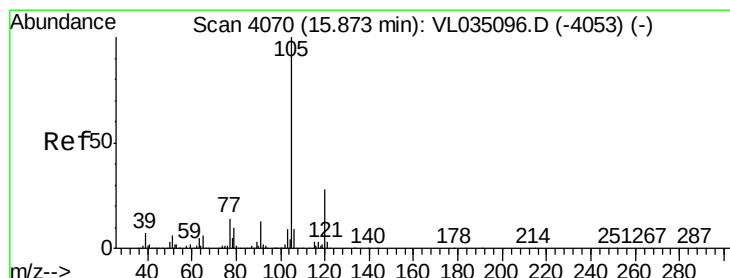
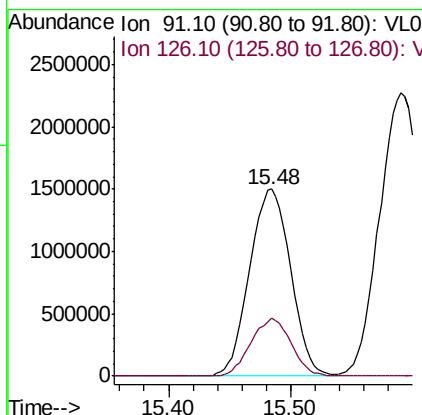
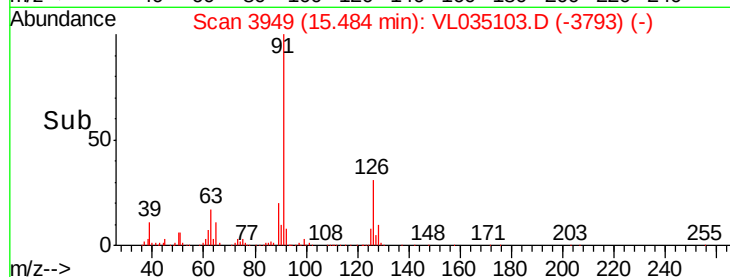
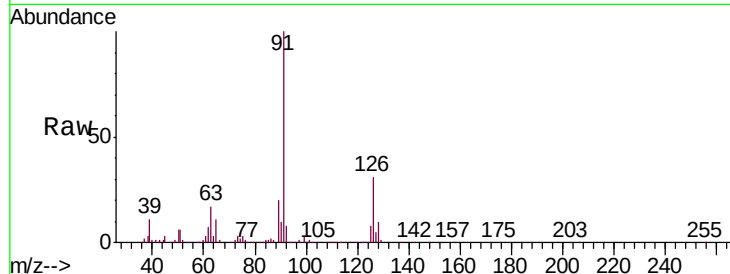




#71
 2-Chlorotoluene
 Concen: 9.235 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

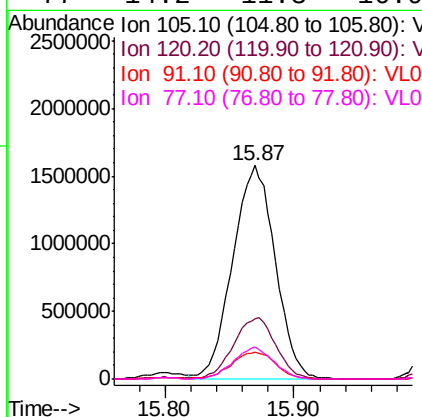
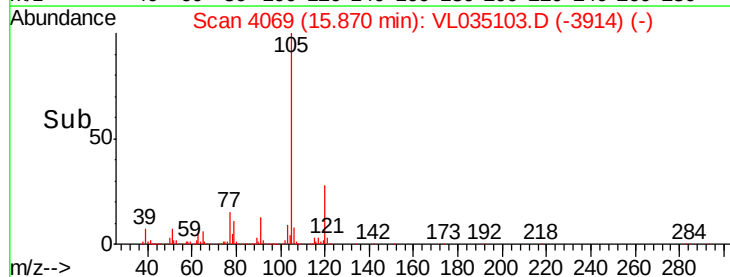
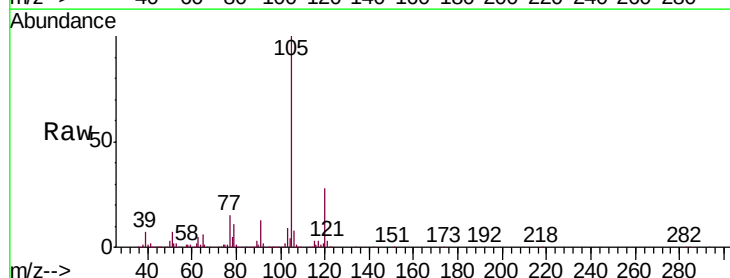
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

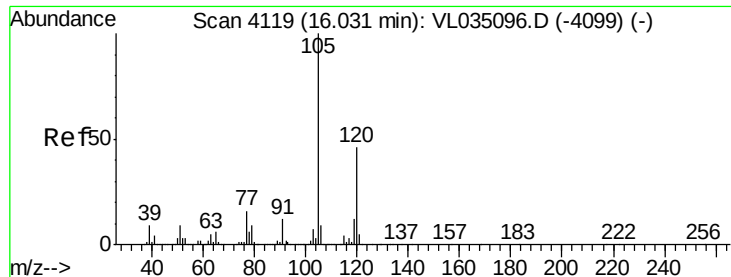
Tgt Ion: 91 Resp: 3498609
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 9.647 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion: 105 Resp: 3604572
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.4 35.0
 91 13.0 10.6 16.0
 77 14.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.439 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

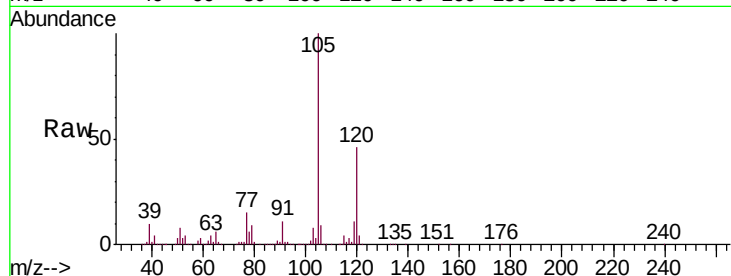
BFB

Tgt Ion:105 Resp: 3333687

Ion Ratio Lower Upper

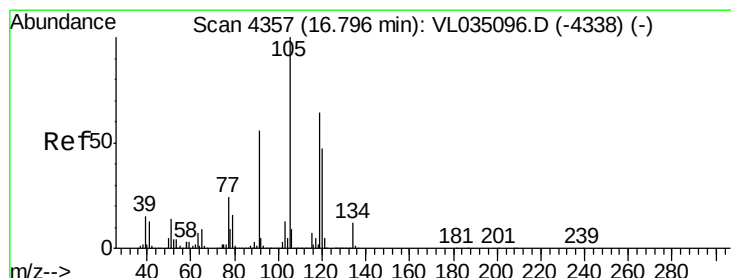
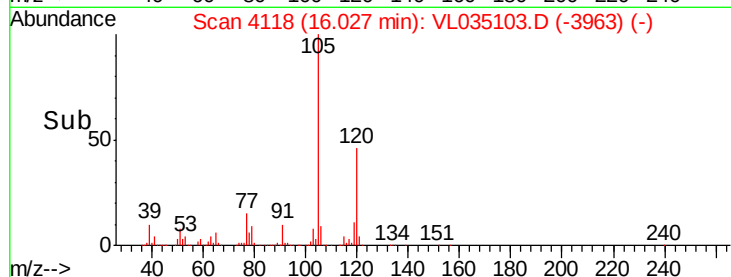
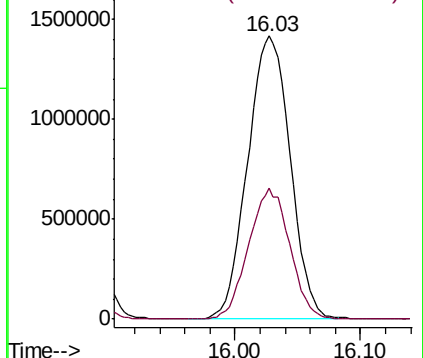
105 100

120 46.5 37.0 55.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.680 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion:105 Resp: 3421449

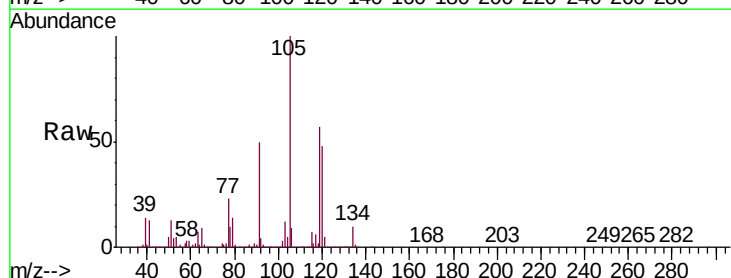
Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9

91 49.8 46.0 69.0

77 22.7 19.4 29.2

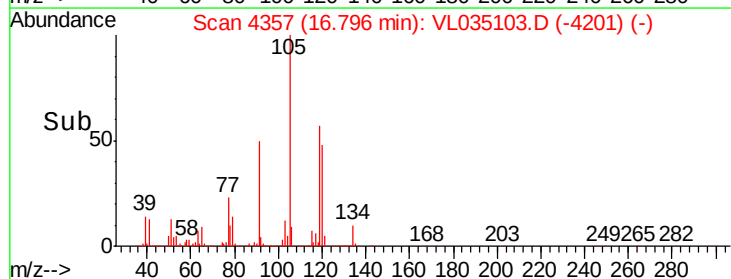
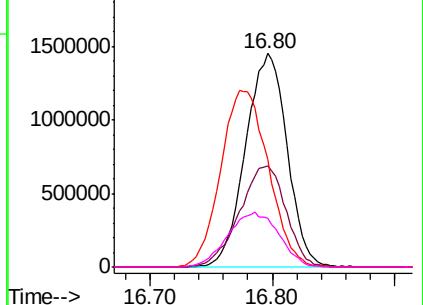


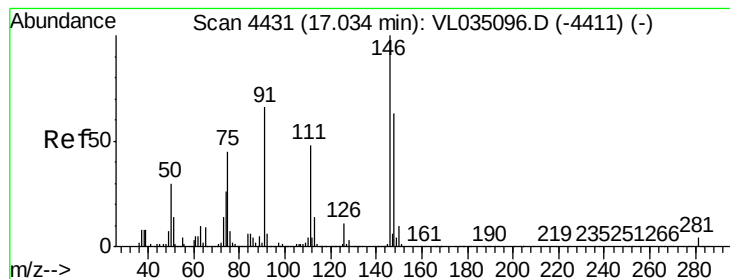
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.272 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

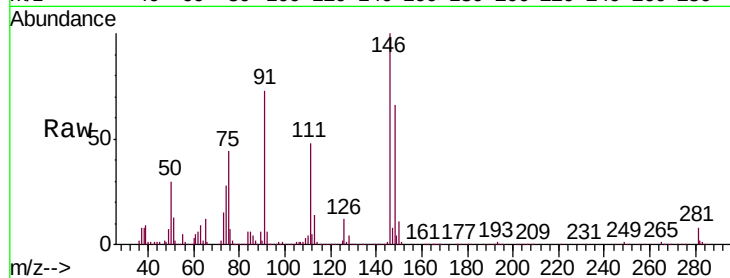
Tgt Ion:146 Resp: 1945936

Ion Ratio Lower Upper

146 100

111 48.0 24.1 72.4

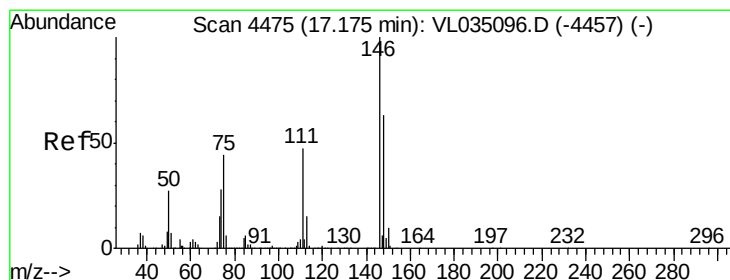
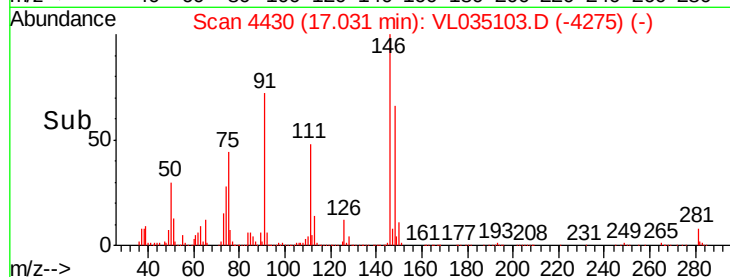
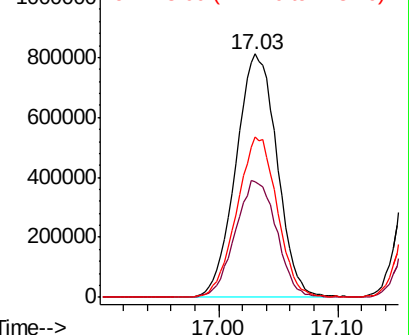
148 64.6 32.3 96.8



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: 8.777 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

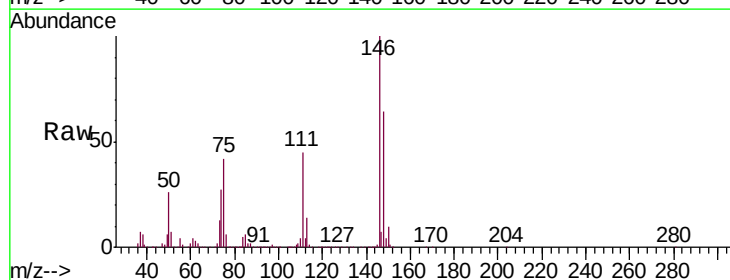
Tgt Ion:146 Resp: 1975186

Ion Ratio Lower Upper

146 100

111 46.1 23.5 70.5

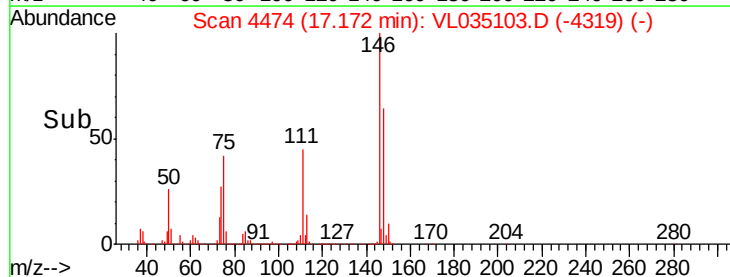
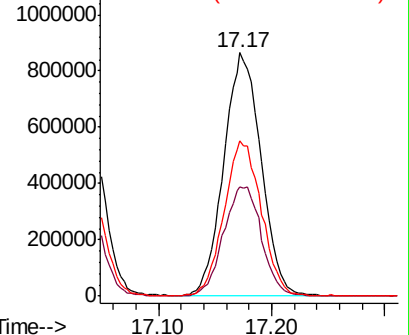
148 64.4 32.0 96.2

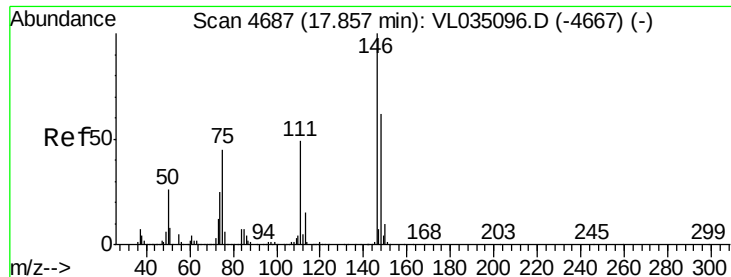


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

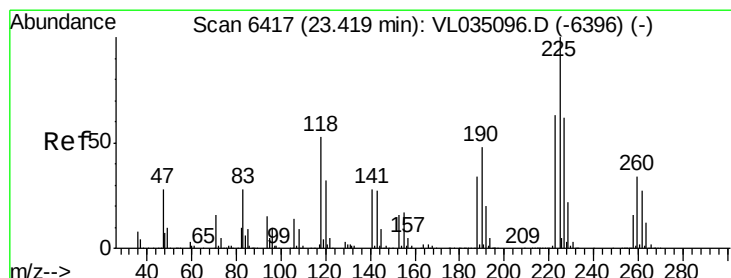
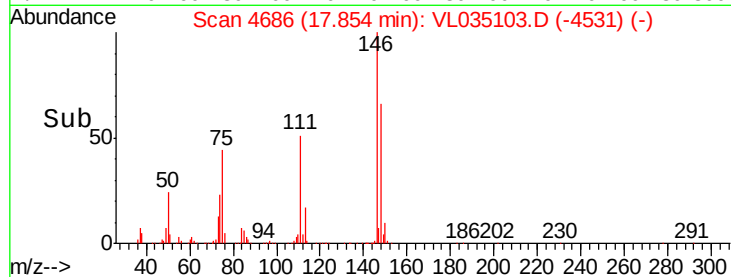
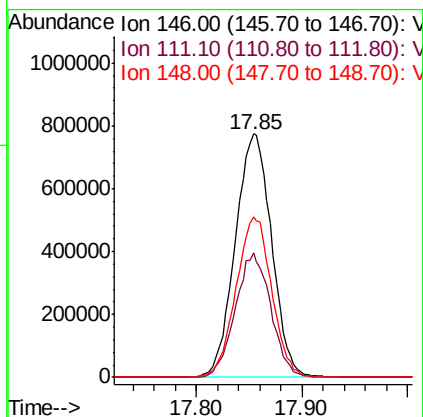
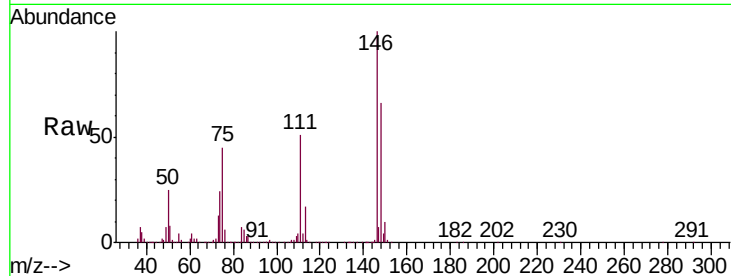




#77
 1,2-Dichlorobenzene
 Concen: 8.607 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

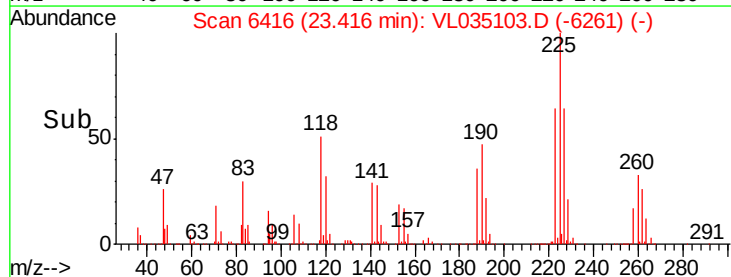
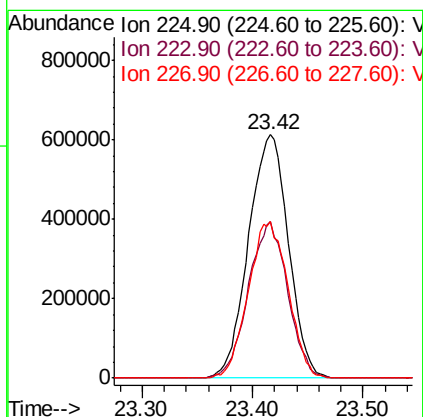
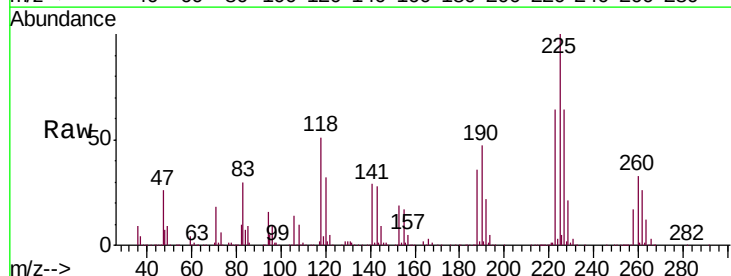
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

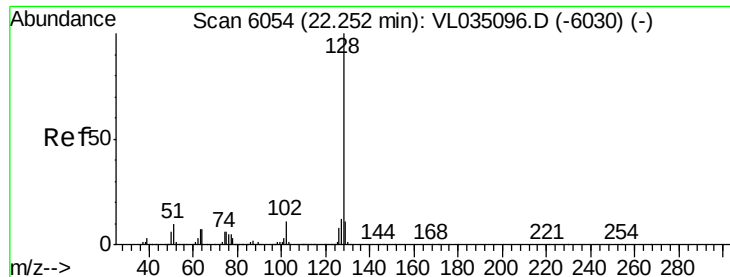
Tgt Ion:146 Resp: 1852669
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.0 75.0
 148 64.7 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.940 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion:225 Resp: 1536200
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.4 77.0
 227 64.0 51.8 77.8





#79

Naphthalene

Concen: 9.794 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

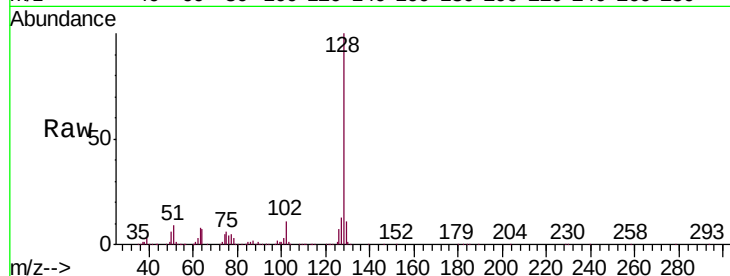
Tgt Ion:128 Resp: 3384802

Ion Ratio Lower Upper

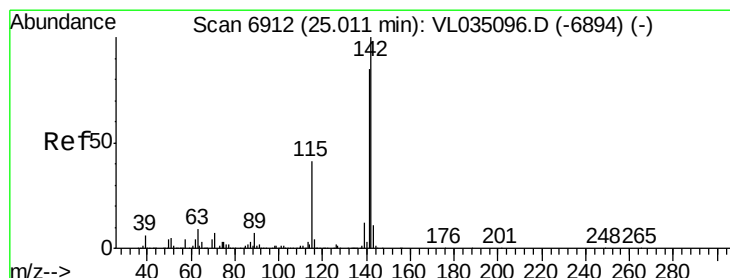
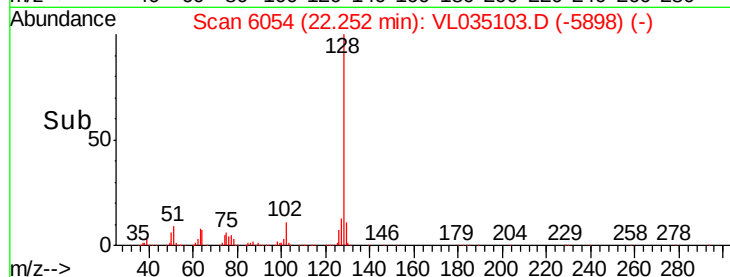
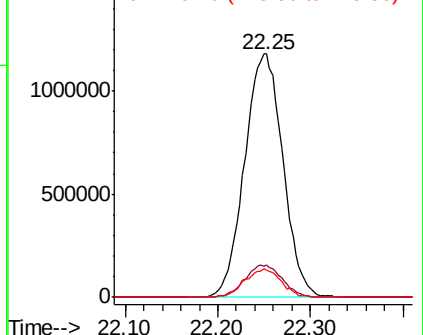
128 100

127 13.3 9.9 14.9

129 11.1 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.555 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

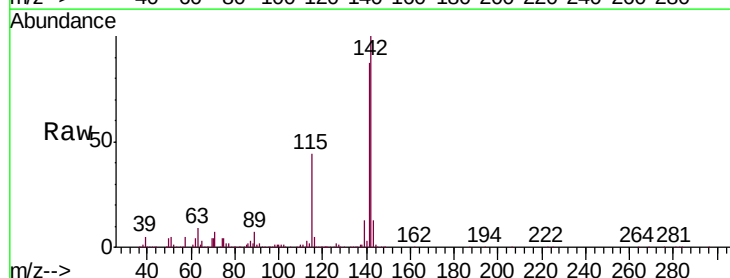
Tgt Ion:142 Resp: 1658984

Ion Ratio Lower Upper

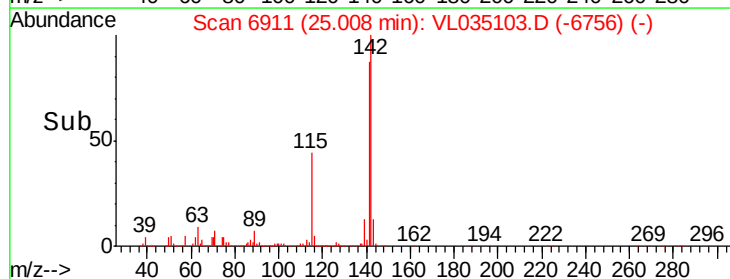
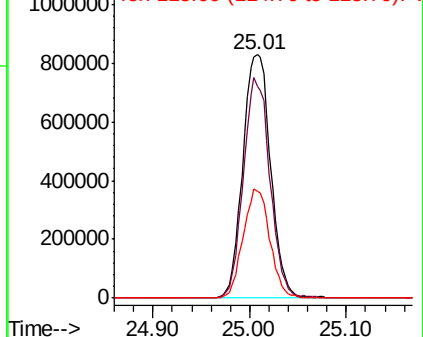
142 100

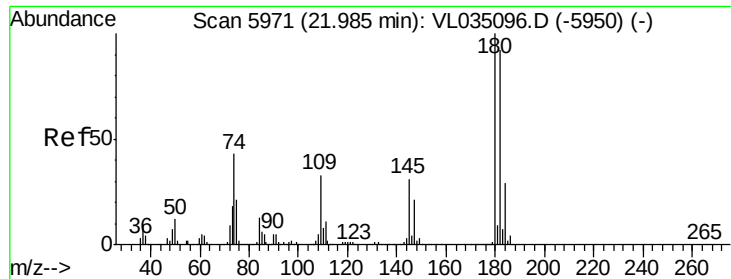
141 86.5 67.5 101.3

115 43.1 33.8 50.8



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

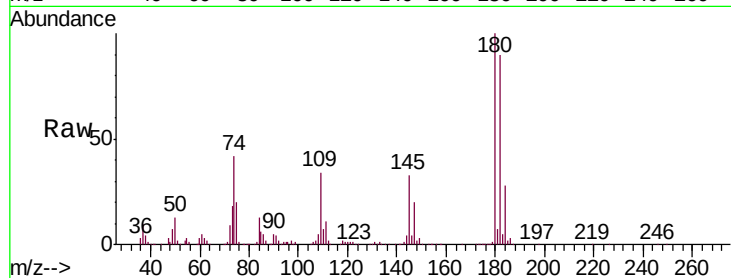




#81
 1,2,4-Trichlorobenzene
 Concen: 8.958 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1785876
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.9 116.9
 184 31.0 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

