

Data File : VL034848.D
Acq On : 9 Mar 2020 20:25
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Mar 11 04:06:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	950003	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2169867	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2724986	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1710209	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	986428	7.583	ppbv	98
3) Chlorodifluoromethane	2.95	51	981658	9.250	ppbv	100
4) Chloromethane	3.10	50	580829	9.684	ppbv	98
5) Vinyl Chloride	3.22	62	542652	9.411	ppbv	96
6) Bromomethane	3.44	94	317559	9.461	ppbv	92
7) Chloroethane	3.52	64	200473	9.628	ppbv	92
8) Dichlorotetrafluoroethane	3.15	85	1170916	8.667	ppbv	98
9) Propene	2.97	41	471893	9.314	ppbv	100
10) Heptane	8.13	43	1201047	9.632	ppbv	99
11) Trichlorofluoromethane	3.92	101	1227011	8.866	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	872055	9.003	ppbv	99
13) Ethanol	3.57	45	148912	9.667	ppbv	92
14) Bromoethene	3.71	108	401290	9.593	ppbv	100
15) Acetone	3.82	43	1113795	9.046	ppbv	99
16) 1,3-Butadiene	3.29	39	517842	9.300	ppbv	99
17) tert-Butyl alcohol	4.27	59	1237935	10.436	ppbv	99
18) 1,1-Dichloroethene	4.26	96	396143	9.235	ppbv	93
19) Isopropyl Alcohol	3.94	45	829164	10.664	ppbv	# 39
20) Methylene Chloride	4.31	84	348606	8.955	ppbv	96
21) Allyl Chloride	4.38	41	761746	9.633	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	408392	9.384	ppbv	96
23) Vinyl Acetate	5.05	43	1797953	9.885	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1097393	9.000	ppbv	99
25) Ethyl Acetate	5.66	43	2000280	9.118	ppbv	100
26) Hexane	5.67	57	873832	9.251	ppbv	99
27) Carbon Disulfide	4.53	76	1054733	9.840	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1479230	9.412	ppbv	98
29) Chloroform	5.74	83	1286570	8.927	ppbv	100
30) Cyclohexane	7.13	84	748361	9.495	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	897033	9.286	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1296542	9.232	ppbv	99
34) 2-Butanone	5.23	43	1364247	9.461	ppbv	99
35) Carbon Tetrachloride	7.02	117	1341450	9.940	ppbv	98
36) Benzene	6.89	78	1781060	9.209	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1005490	9.220	ppbv	100
38) Trichloroethene	7.84	130	680163	9.260	ppbv	99
39) 1,2-Dichloropropane	7.62	63	704489	9.193	ppbv	95
40) 1,4-Dioxane	7.83	88	275265	9.512	ppbv	# 100
41) Tetrahydrofuran	6.04	42	782552	10.029	ppbv	98
42) Bromodichloromethane	7.80	83	1395566	9.389	ppbv	98
43) Methyl Methacrylate	8.02	69	788786	9.680	ppbv	99

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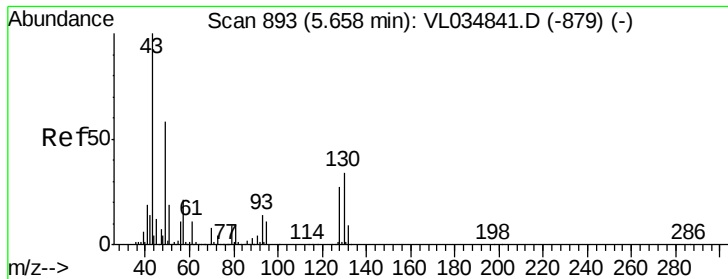
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3038124	9.296	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	997577	10.421	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1140955	10.030	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	709613	9.023	ppbv	96
48) Dibromochloromethane	10.32	129	1212225	9.518	ppbv	100
49) Bromoform	13.07	173	1066301	9.390	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1966089	9.472	ppbv	99
51) 2-Hexanone	10.15	43	1619783	9.602	ppbv	99
52) Tetrachloroethene	11.24	164	658018	8.600	ppbv	99
53) Toluene	9.82	91	2062248	9.233	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1099640	9.289	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	900549	7.357	ppbv #	57
57) Chlorobenzene	12.17	112	1519418	7.126	ppbv	97
58) Ethyl Benzene	12.73	91	2707770	7.338	ppbv	99
59) m/p-Xylene	13.02	91	2528342	8.178	ppbv #	49
60) o-Xylene	13.72	91	2114815	7.006	ppbv	100
61) Styrene	13.55	104	1630611	7.697	ppbv	99
62) Isopropylbenzene	14.70	105	3204523	7.021	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1448081	7.066	ppbv	99
64) n-propylbenzene	15.59	120	843903	7.104	ppbv	98
65) tert-Butylbenzene	16.78	119	2777268	6.960	ppbv	100
66) Benzyl Chloride	17.02	91	1487483	8.941	ppbv	99
67) sec-Butylbenzene	17.33	105	3947554	7.135	ppbv	99
69) p-Isopropyltoluene	17.69	119	3354504	7.231	ppbv	100
70) n-Butylbenzene	18.59	91	3432647	7.252	ppbv	100
71) 2-Chlorotoluene	15.48	91	2434007	7.042	ppbv	100
72) 4-Ethyltoluene	15.87	105	2588103	7.260	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2426871	7.272	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2484396	7.226	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1475280	7.116	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1489612	7.201	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1457652	7.254	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	642835	3.830	ppbv #	16
79) Naphthalene	22.25	128	1540282	5.745	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	610238	8.709	ppbv	96
81) 1,2,4-Trichlorobenzene	21.98	180	1553142	9.118	ppbv	100

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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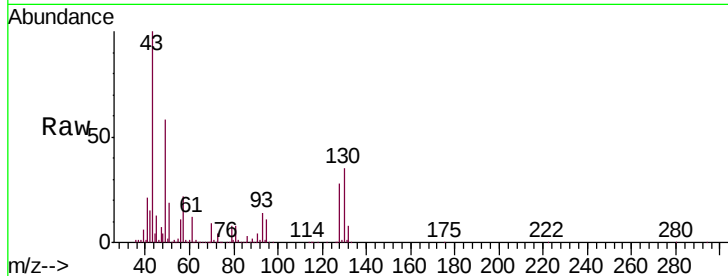
Tgt Ion: 49 Resp: 950003

Ion Ratio Lower Upper

49 100

128 46.4 23.4 70.3

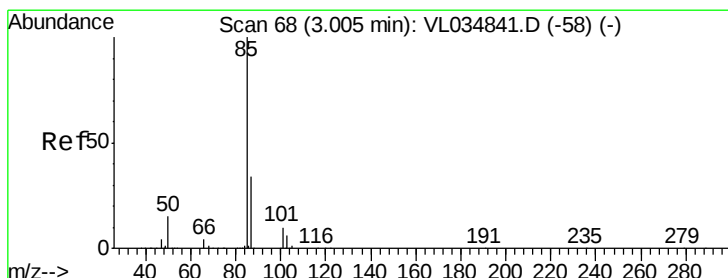
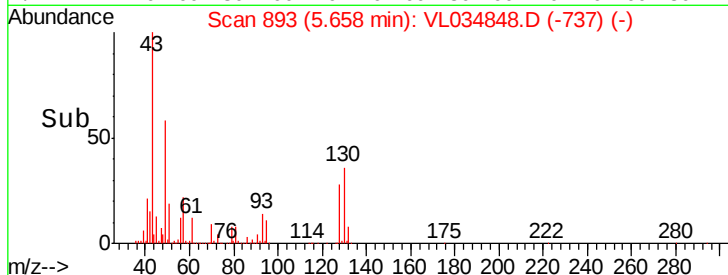
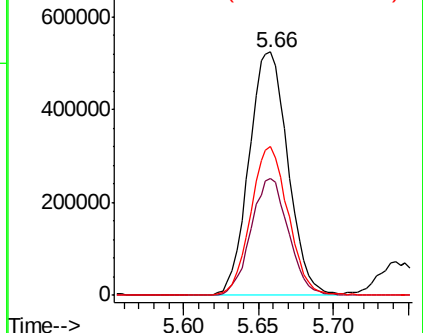
130 58.8 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.583 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034848.D

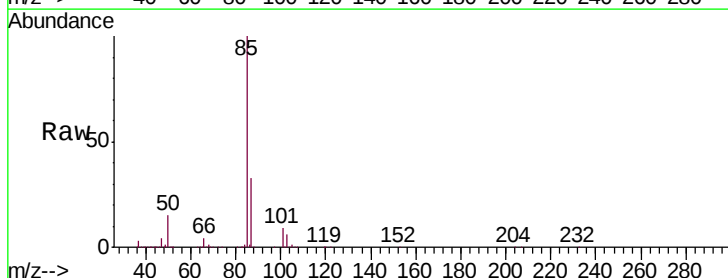
Acq: 9 Mar 2020 20:25

Tgt Ion: 85 Resp: 986428

Ion Ratio Lower Upper

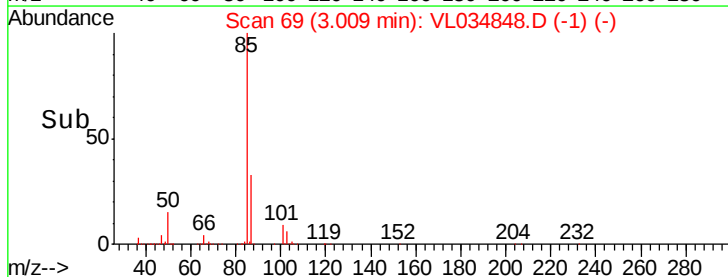
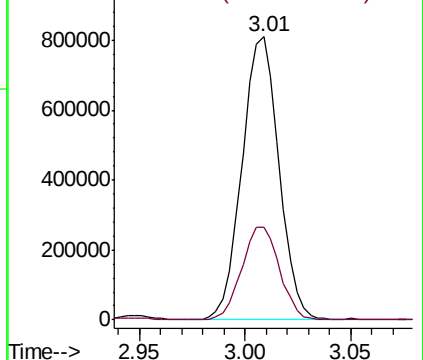
85 100

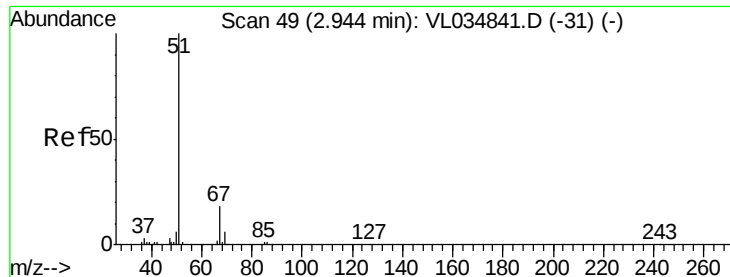
87 32.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.250 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

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ClientSampleId :

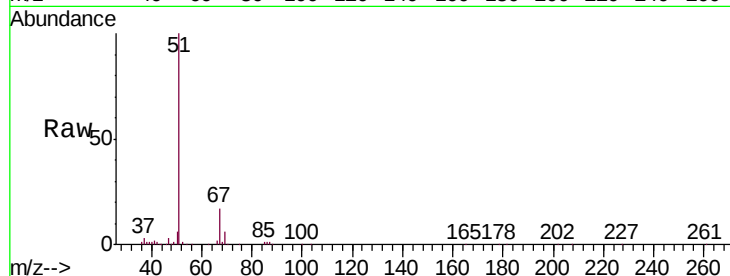
BFB

Tgt Ion: 51 Resp: 981658

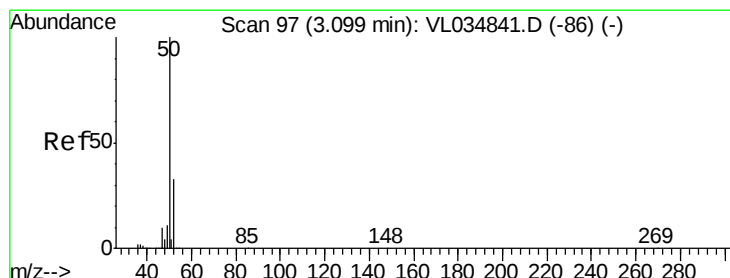
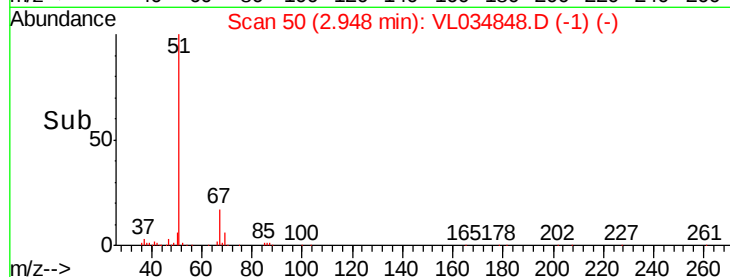
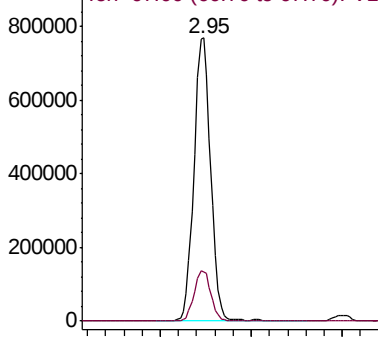
Ion Ratio Lower Upper

51 100

67 17.8 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: 9.684 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034848.D

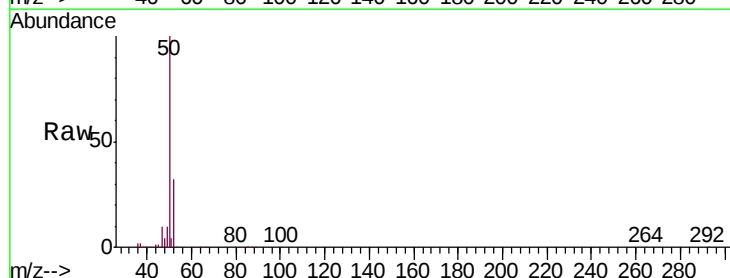
Acq: 9 Mar 2020 20:25

Tgt Ion: 50 Resp: 580829

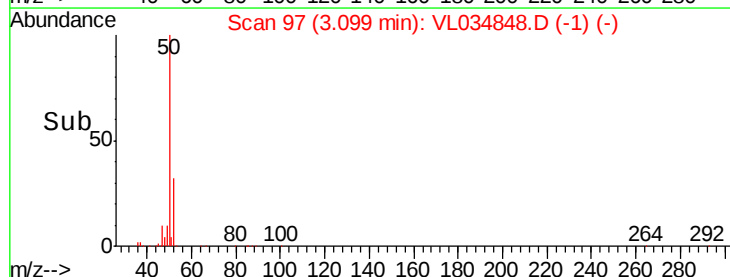
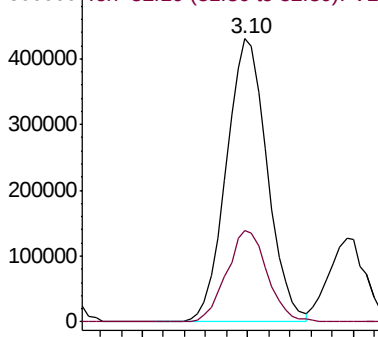
Ion Ratio Lower Upper

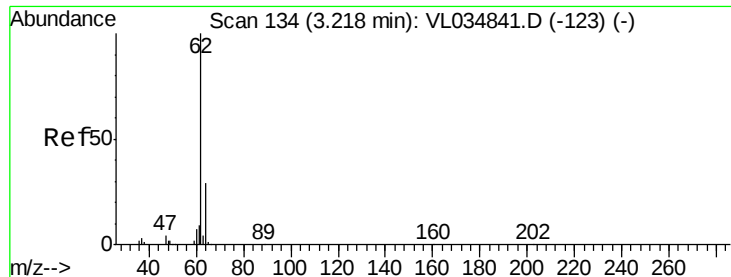
50 100

52 32.1 26.8 40.2



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





#5

Vinyl Chloride

Concen: 9.411 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

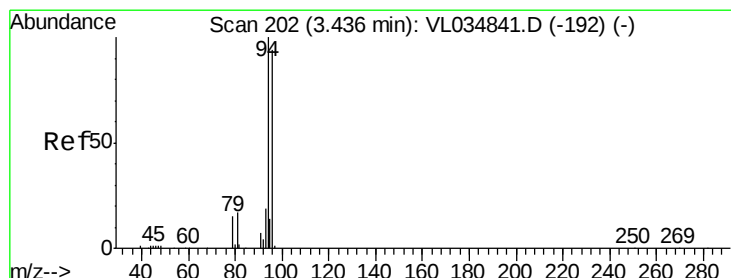
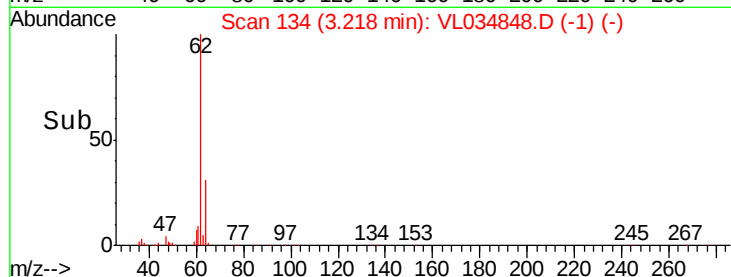
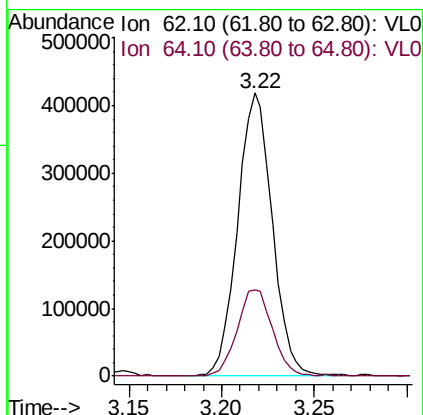
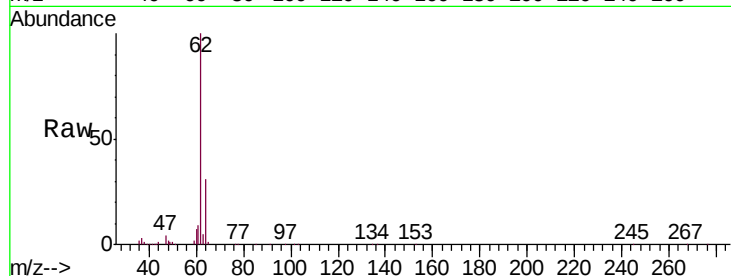
BFB

Tgt Ion: 62 Resp: 542652

Ion Ratio Lower Upper

62 100

64 30.6 23.0 34.4



#6

Bromomethane

Concen: 9.461 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034848.D

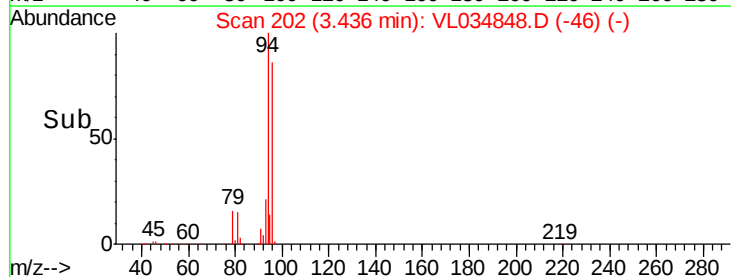
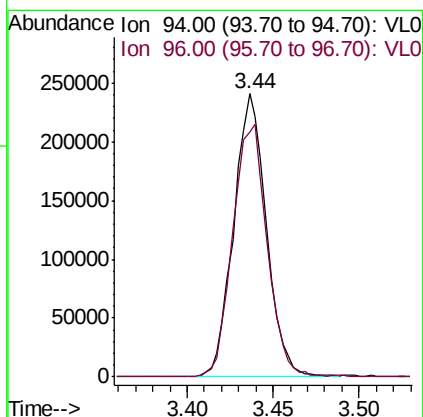
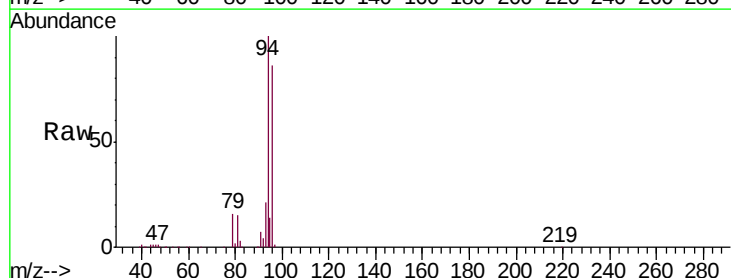
Acq: 9 Mar 2020 20:25

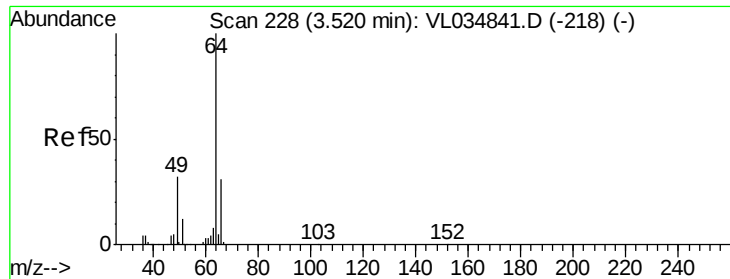
Tgt Ion: 94 Resp: 317559

Ion Ratio Lower Upper

94 100

96 86.4 75.5 113.3





#7

Chloroethane

Concen: 9.628 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

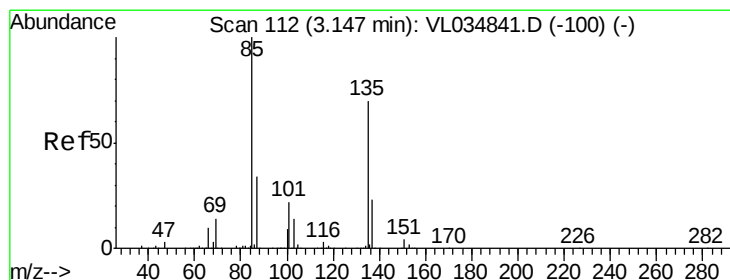
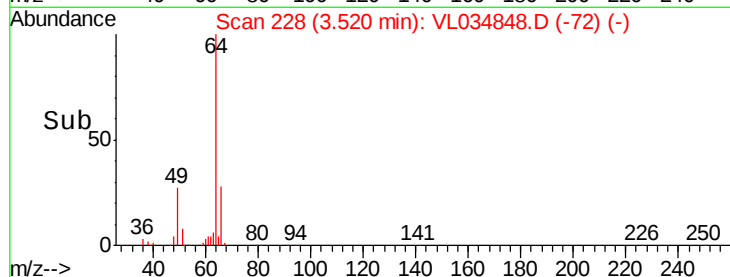
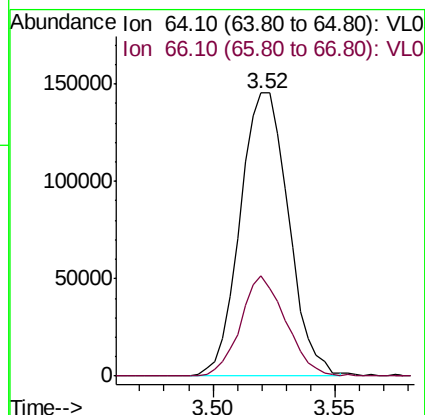
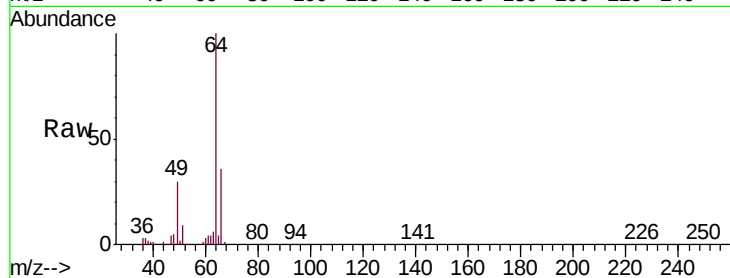
BFB

Tgt Ion: 64 Resp: 200473

Ion Ratio Lower Upper

64 100

66 35.5 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 8.667 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034848.D

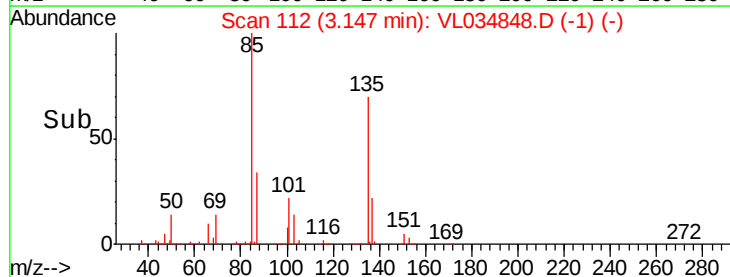
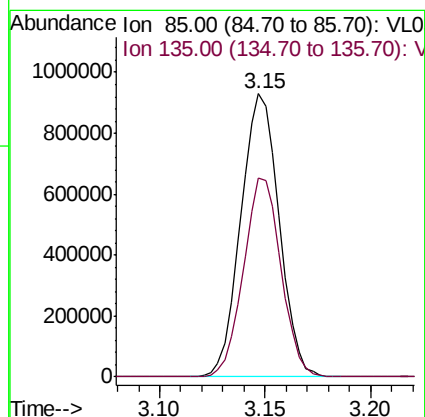
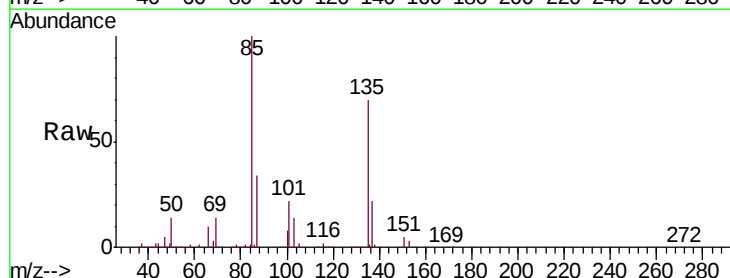
Acq: 9 Mar 2020 20:25

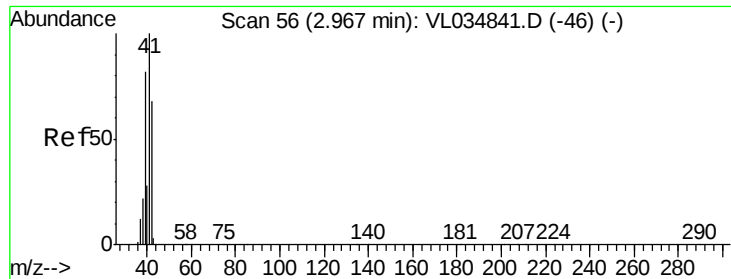
Tgt Ion: 85 Resp: 1170916

Ion Ratio Lower Upper

85 100

135 69.2 54.3 81.5





#9

Propene

Concen: 9.314 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

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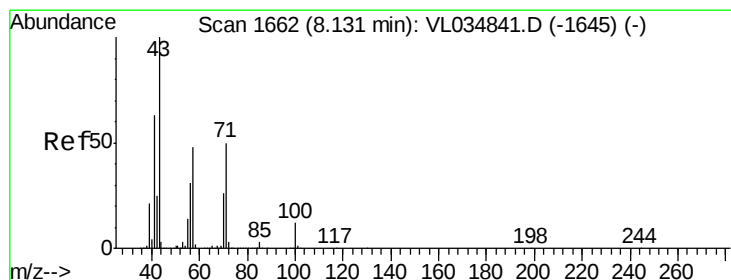
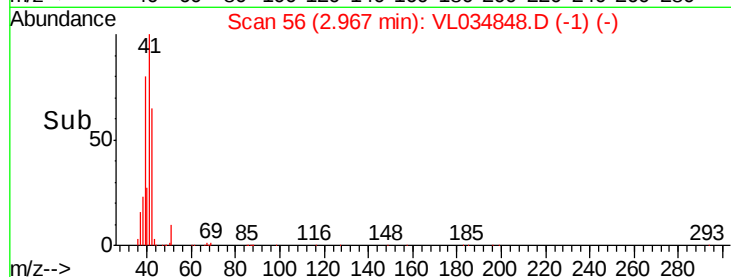
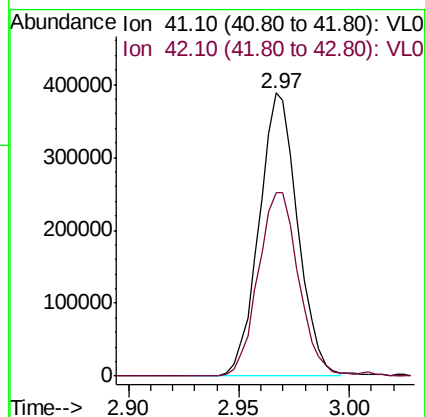
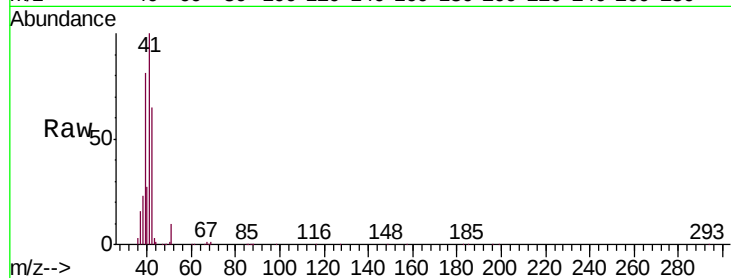
BFB

Tgt Ion: 41 Resp: 471893

Ion Ratio Lower Upper

41 100

42 69.3 55.2 82.8



#10

Heptane

Concen: 9.632 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034848.D

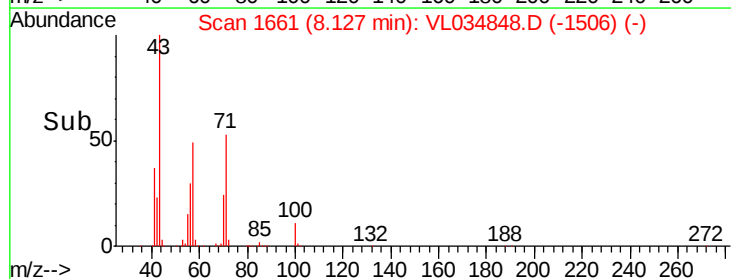
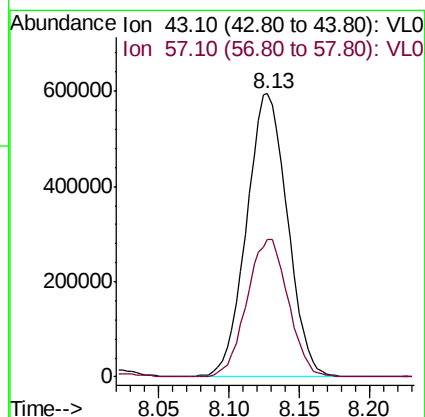
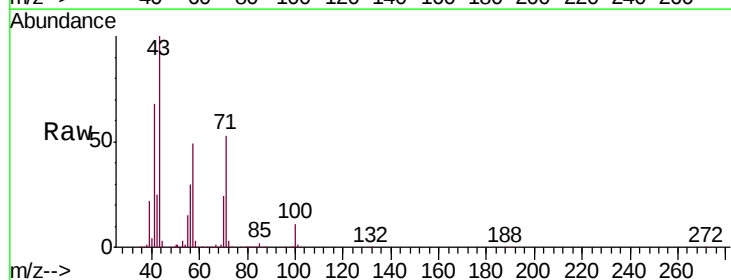
Acq: 9 Mar 2020 20:25

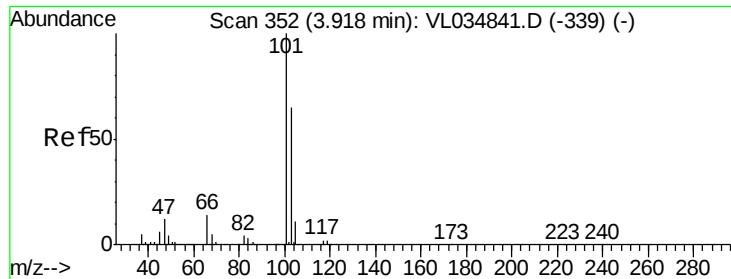
Tgt Ion: 43 Resp: 1201047

Ion Ratio Lower Upper

43 100

57 49.2 39.7 59.5

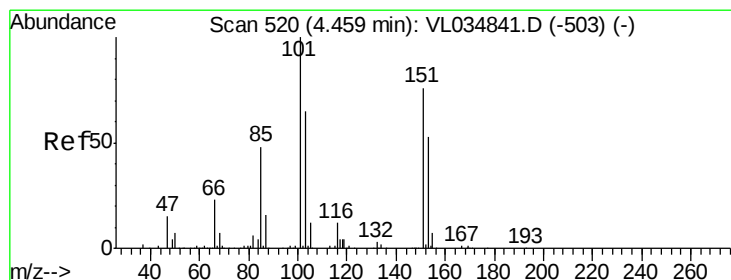
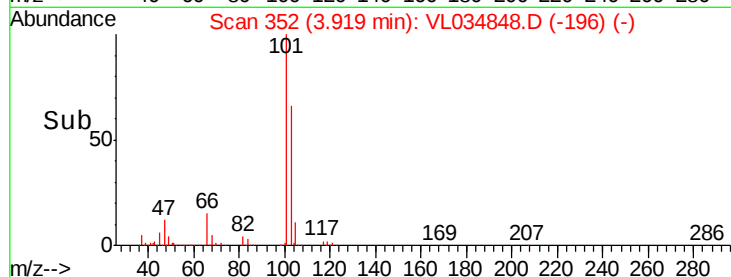
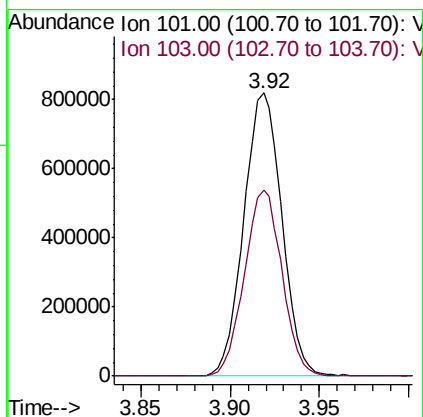
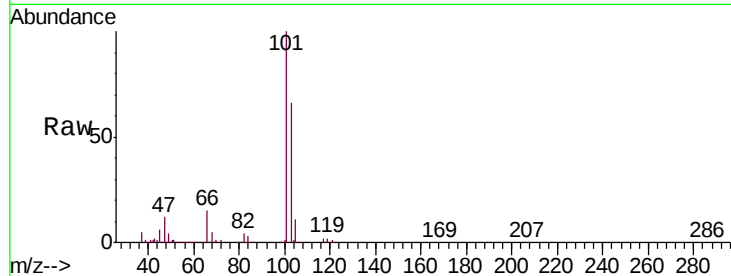




#11
 Trichlorofluoromethane
 Concen: 8.866 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

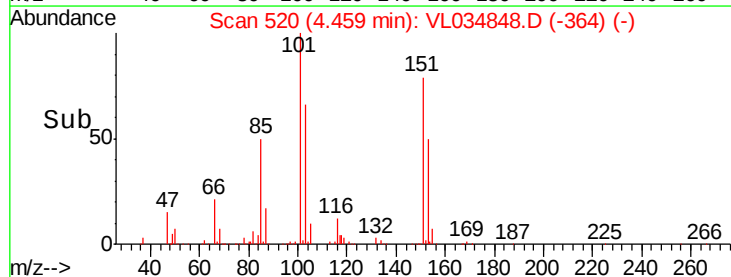
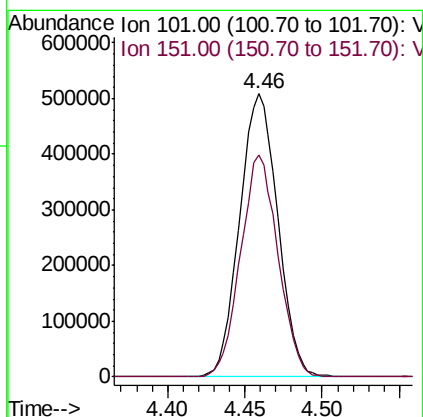
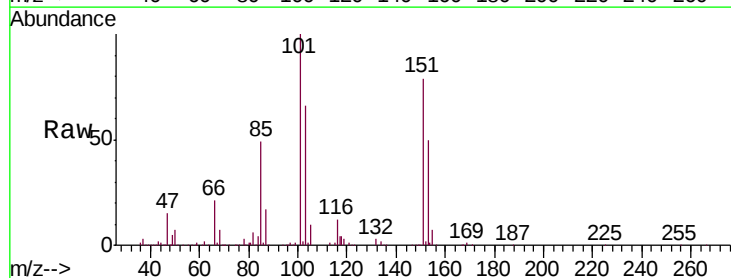
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

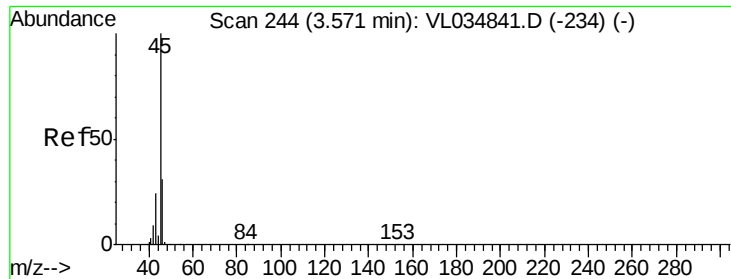
Tgt Ion:101 Resp: 1227011
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.003 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion:101 Resp: 872055
 Ion Ratio Lower Upper
 101 100
 151 77.3 60.8 91.2

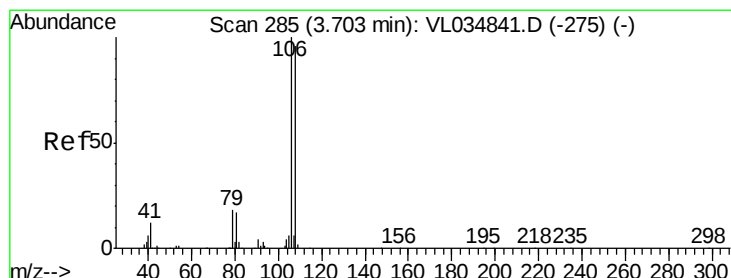
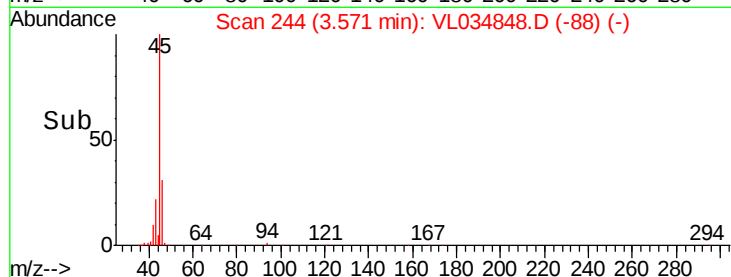
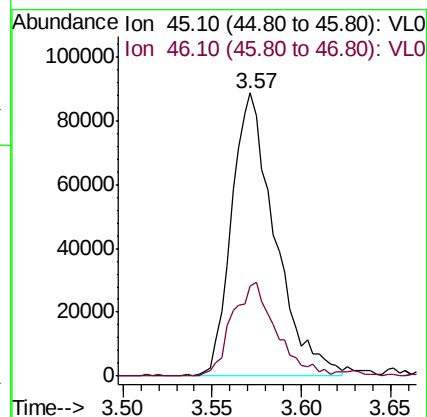
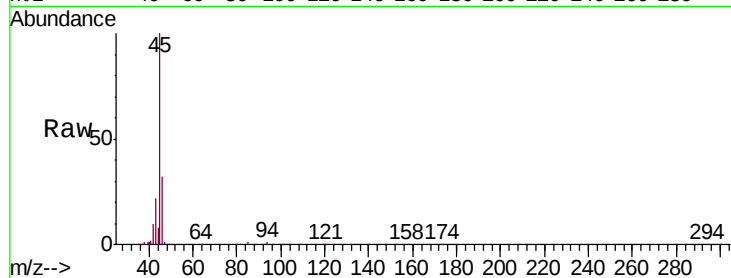




#13
Ethanol
Concen: 9.667 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

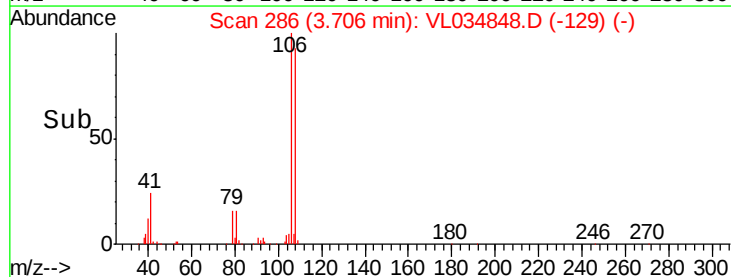
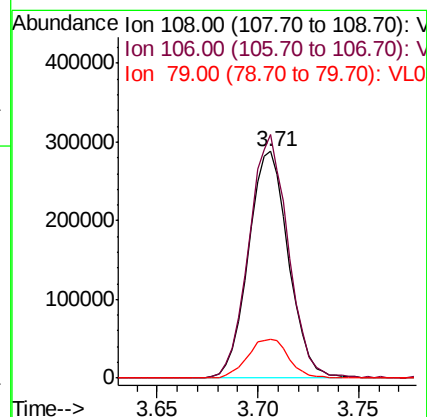
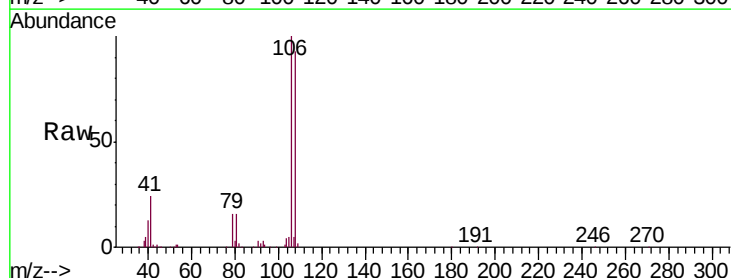
Instrument :
MSVOA_L
ClientSampleId :
BFB

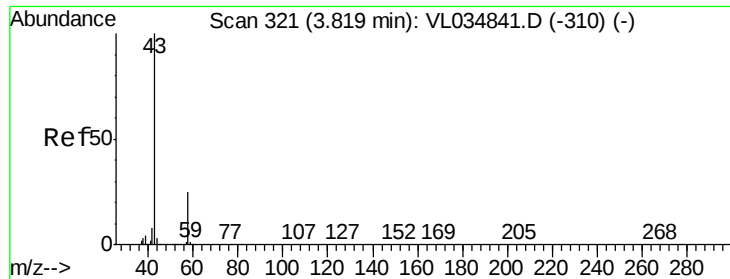
Tgt Ion: 45 Resp: 148912
Ion Ratio Lower Upper
45 100
46 35.4 16.0 64.0



#14
Bromoethene
Concen: 9.593 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 108 Resp: 401290
Ion Ratio Lower Upper
108 100
106 106.3 85.1 127.7
79 17.8 14.7 22.1





#15

Acetone

Concen: 9.046 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

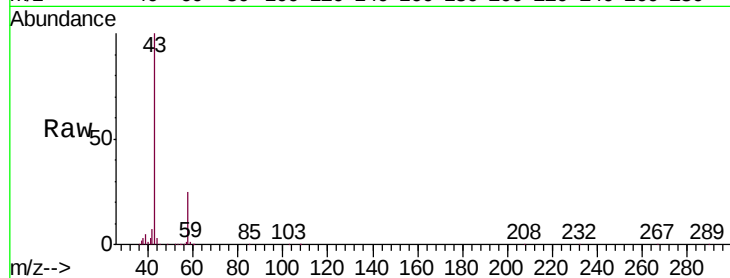
BFB

Tgt Ion: 43 Resp: 1113795

Ion Ratio Lower Upper

43 100

58 27.1 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

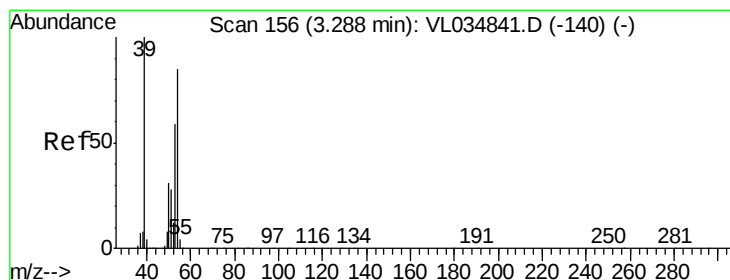
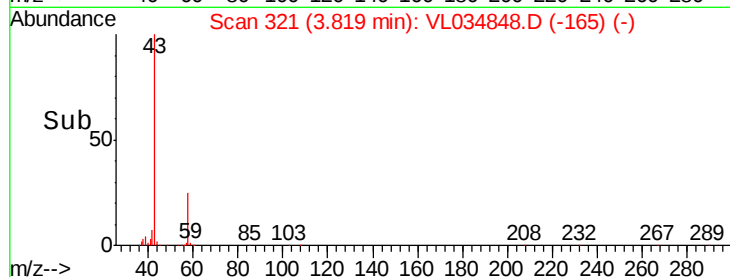
400000

200000

0

3.75 3.80 3.85

Time-->



#16

1,3-Butadiene

Concen: 9.300 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034848.D

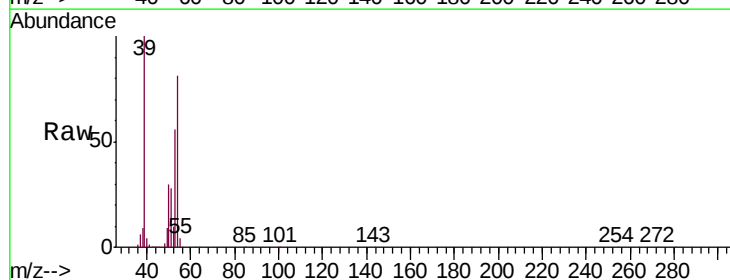
Acq: 9 Mar 2020 20:25

Tgt Ion: 39 Resp: 517842

Ion Ratio Lower Upper

39 100

54 80.6 65.0 97.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

300000

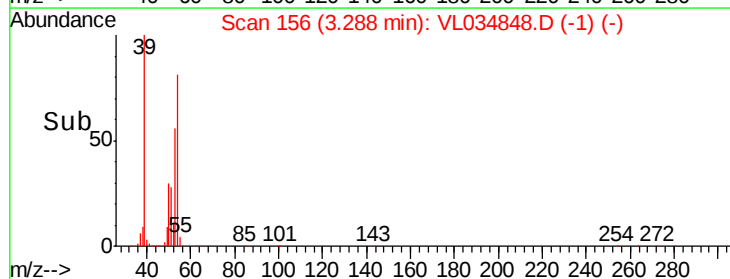
200000

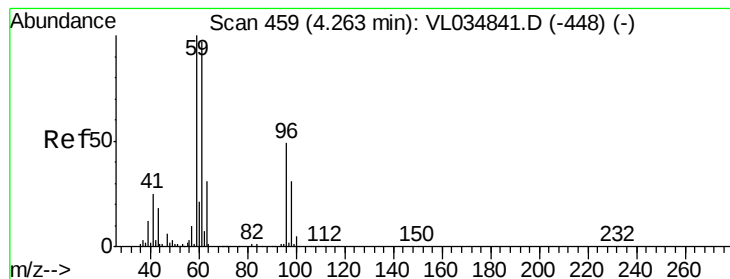
100000

0

3.20 3.25 3.30 3.35

Time-->





#17

tert-Butyl alcohol

Concen: 10.436 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

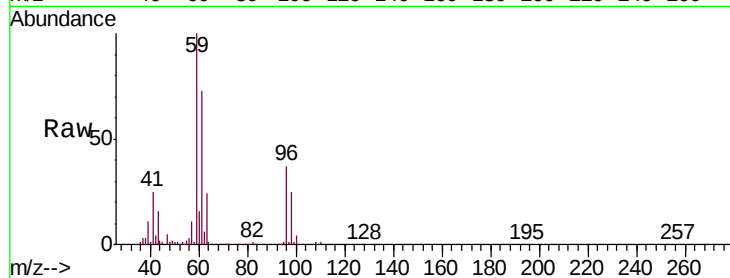
BFB

Tgt Ion: 59 Resp: 1237935

Ion Ratio Lower Upper

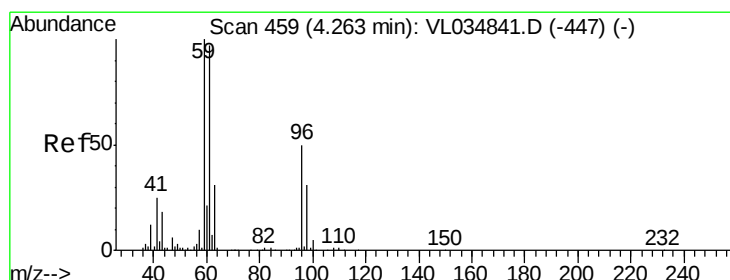
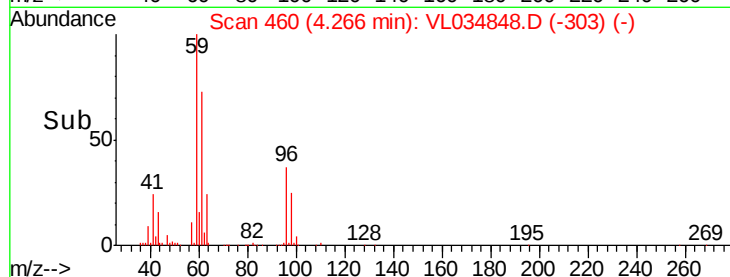
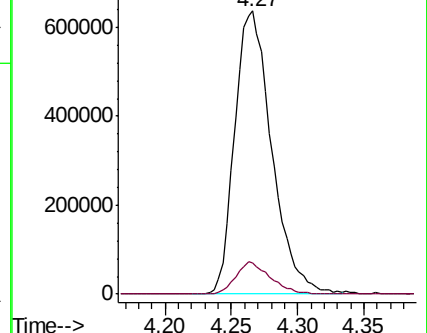
59 100

57 10.8 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.235 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

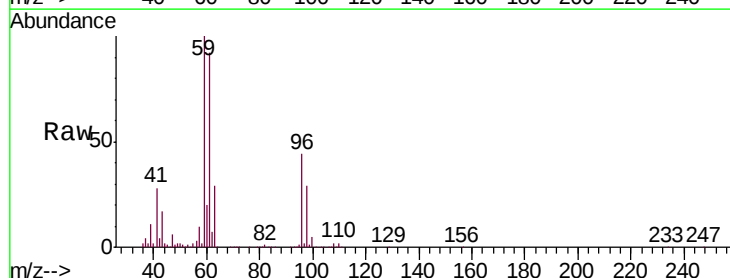
Tgt Ion: 96 Resp: 396143

Ion Ratio Lower Upper

96 100

61 208.2 157.3 235.9

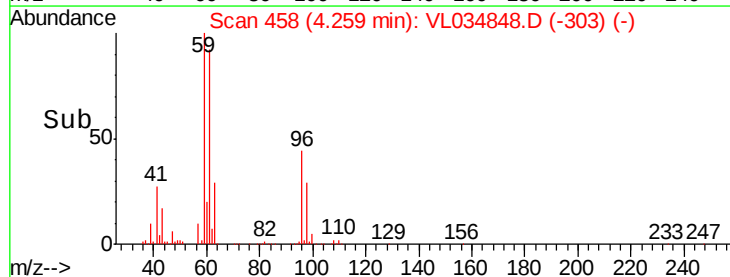
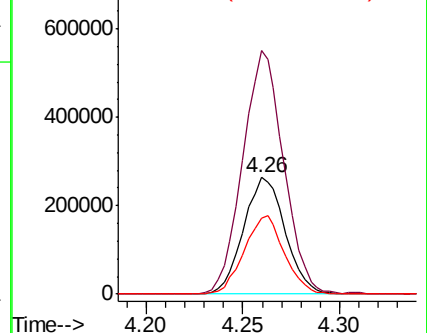
98 64.9 50.2 75.4

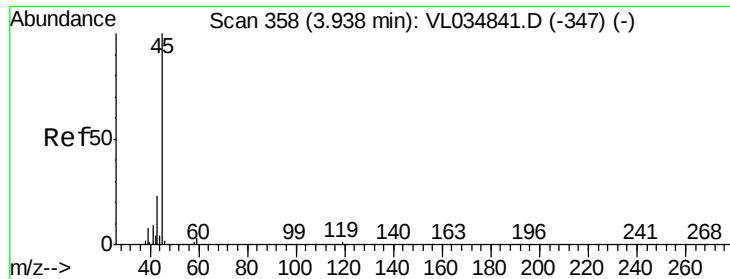


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

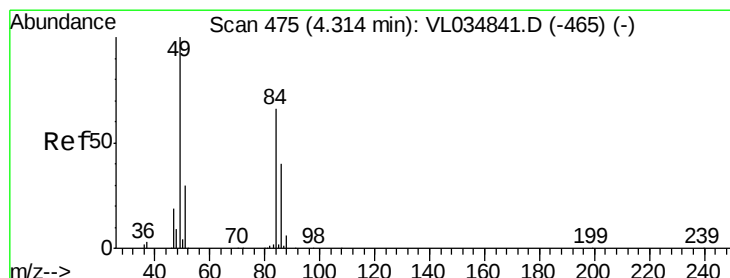
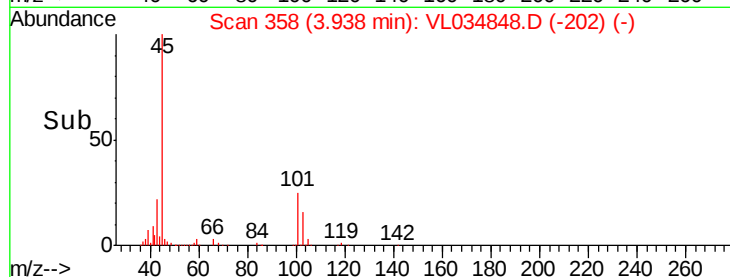
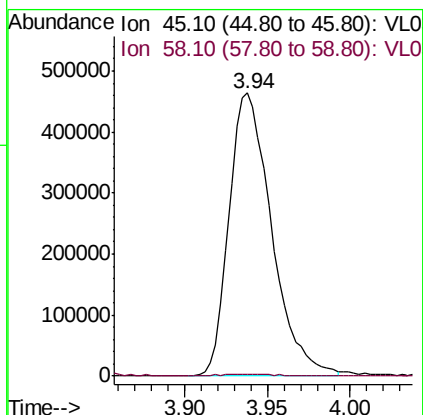
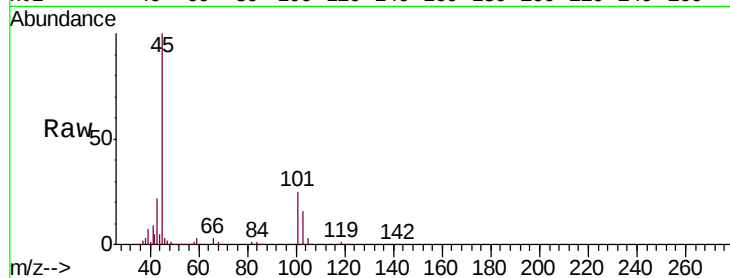




#19
Isopropyl Alcohol
Concen: 10.664 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

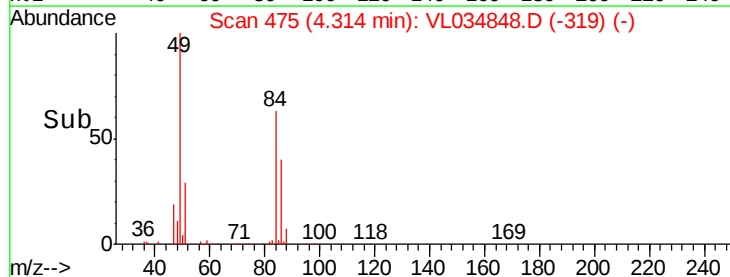
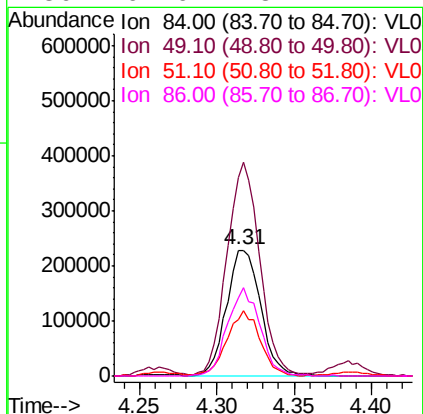
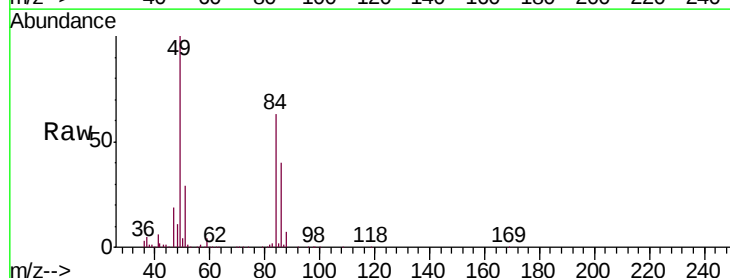
Instrument :
MSVOA_L
ClientSampled :
BFB

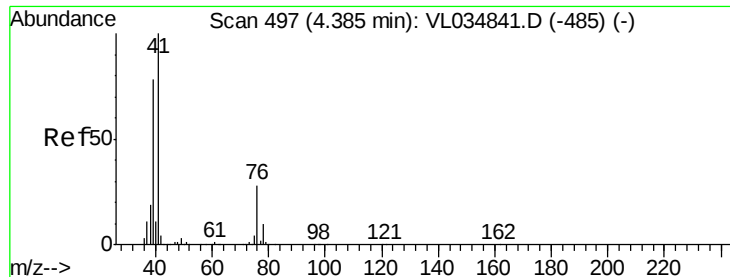
Tgt Ion: 45 Resp: 829164
Ion Ratio Lower Upper
45 100
58 1.1 30.5 45.7#



#20
Methylene Chloride
Concen: 8.955 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 84 Resp: 348606
Ion Ratio Lower Upper
84 100
49 157.2 121.5 182.3
51 43.8 36.6 55.0
86 62.6 48.2 72.2

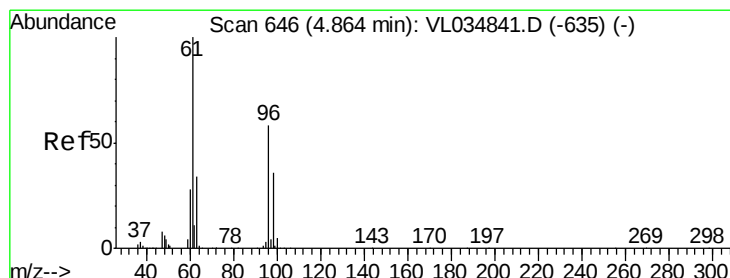
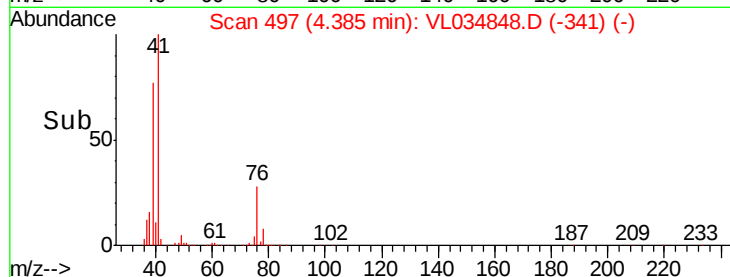
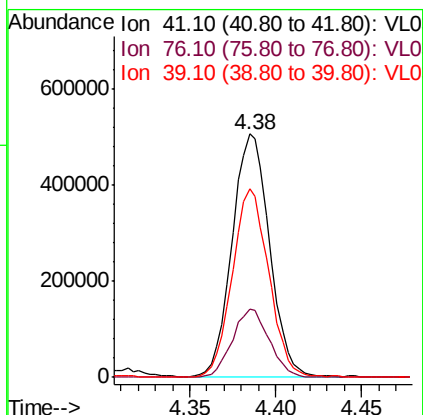
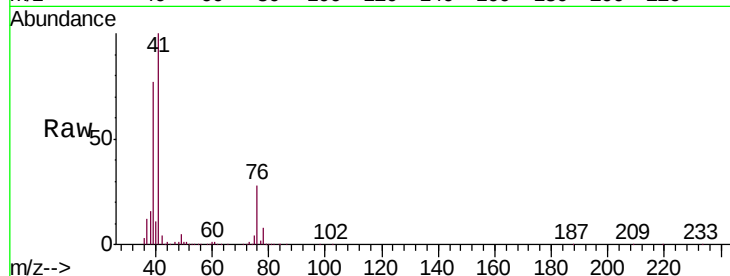




#21
 Allyl Chloride
 Concen: 9.633 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

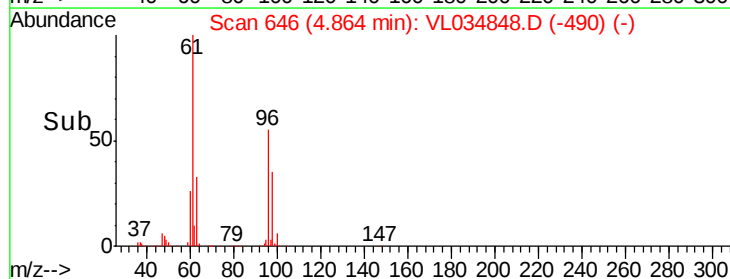
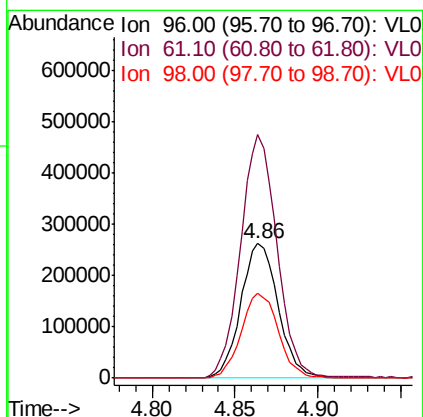
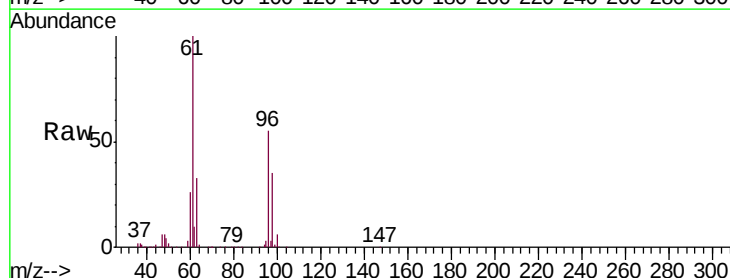
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

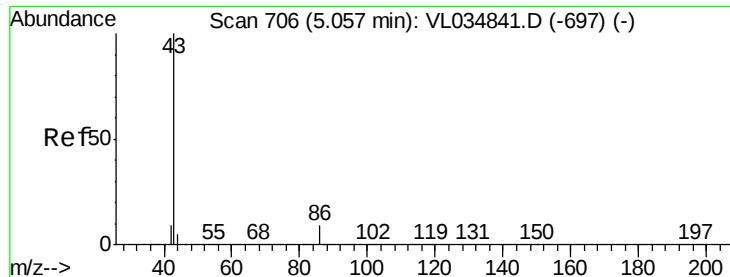
Tgt Ion: 41 Resp: 761746
 Ion Ratio Lower Upper
 41 100
 76 28.0 22.2 33.2
 39 76.0 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.384 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 96 Resp: 408392
 Ion Ratio Lower Upper
 96 100
 61 181.1 139.0 208.6
 98 63.4 50.3 75.5





#23

Vinyl Acetate

Concen: 9.885 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 1797953

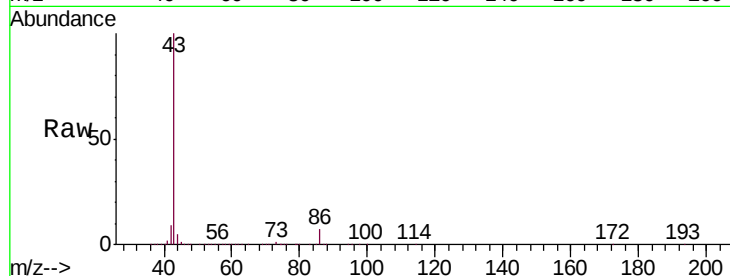
Ion Ratio Lower Upper

43 100

86 6.9 6.3 9.5

42 8.8 7.8 11.8

44 5.0 4.0 6.0

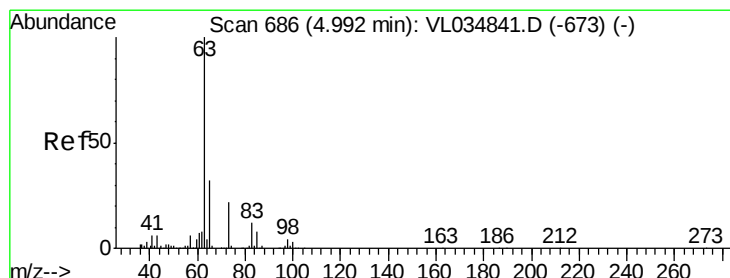
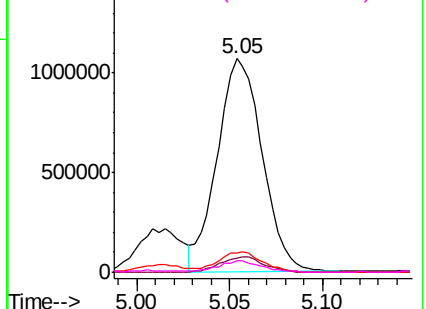
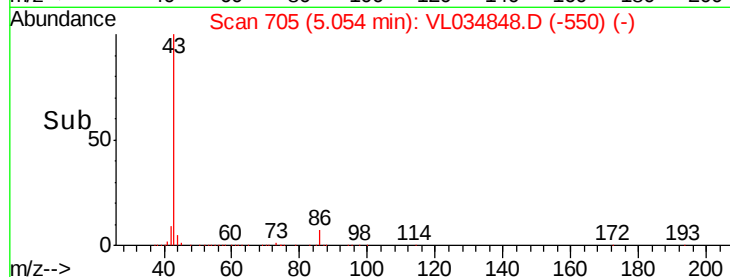


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.000 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

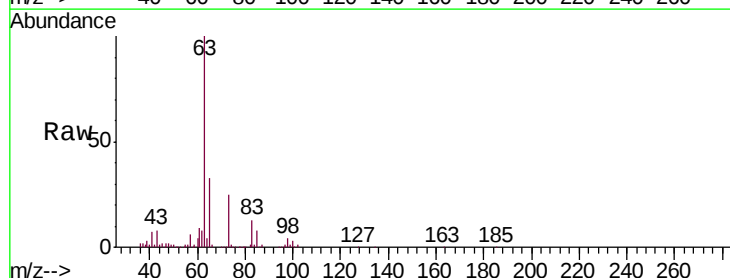
Tgt Ion: 63 Resp: 1097393

Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

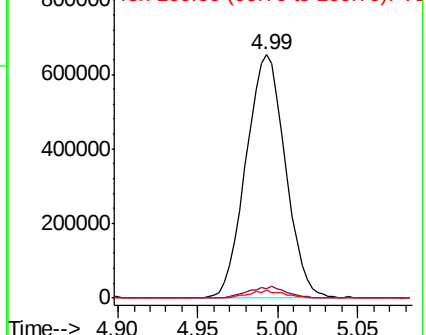
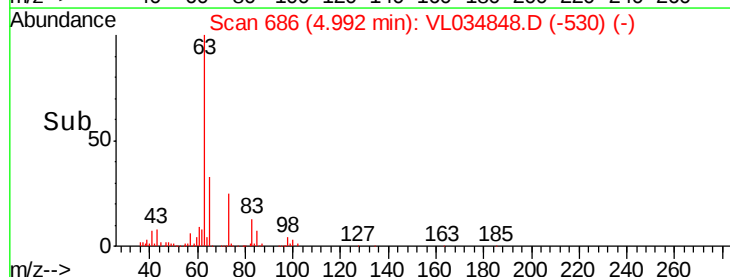
100 3.5 1.4 4.0

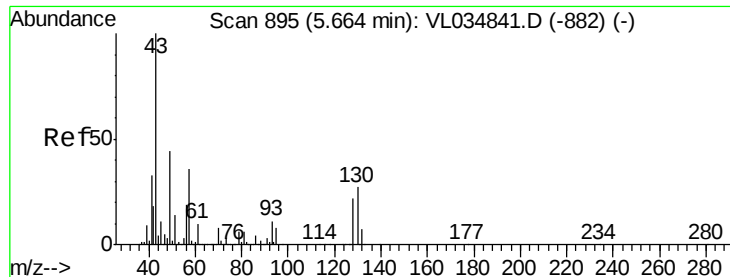


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



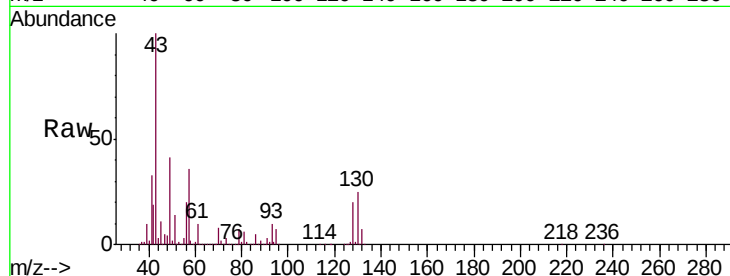


#25
Ethyl Acetate
Concen: 9.118 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 2000280

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.6	7.8	11.6
70	7.3	5.8	8.8



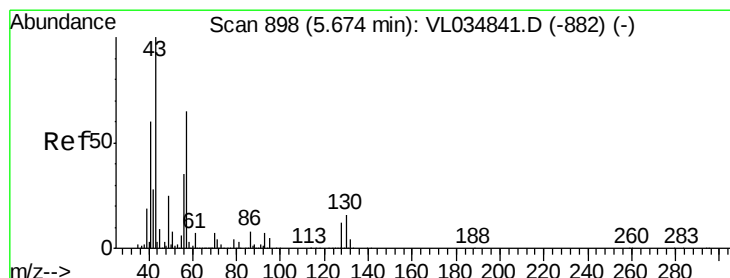
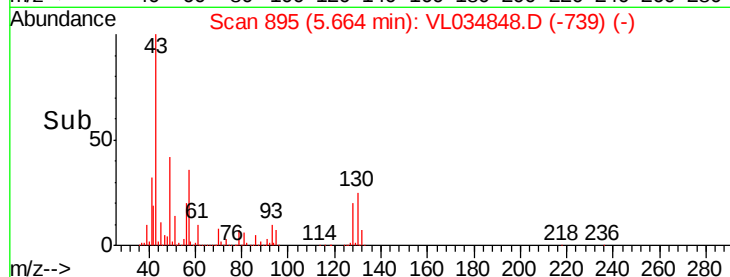
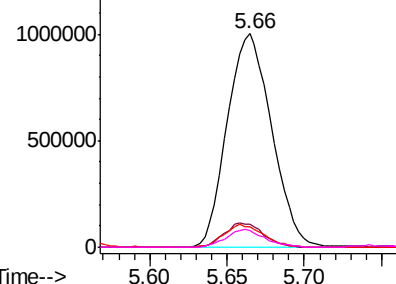
Abundance

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

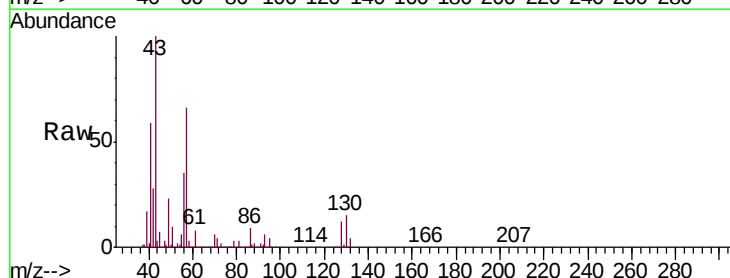
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.251 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 57 Resp: 873832

Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.6	109.0
43	231.4	183.8	275.6
56	52.5	41.9	62.9



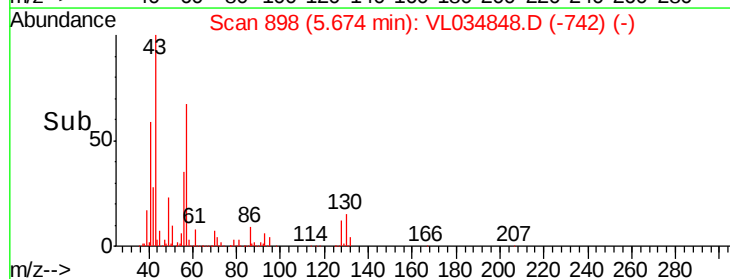
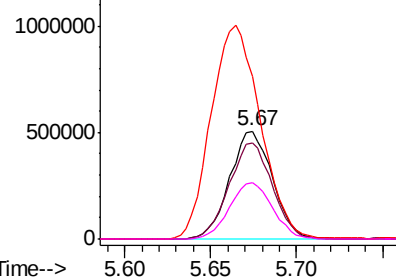
Abundance

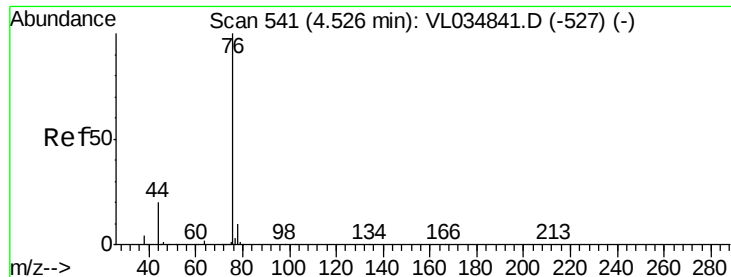
Ion 57.10 (56.80 to 57.80): VL0

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: 9.840 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampled :

BFB

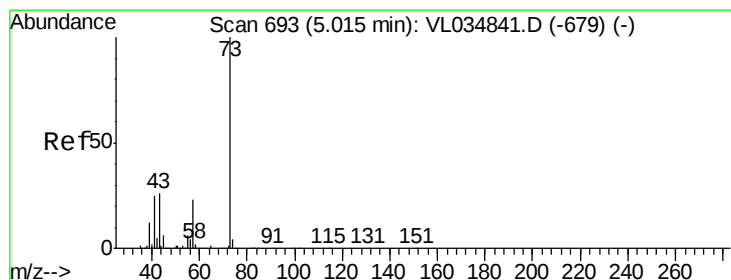
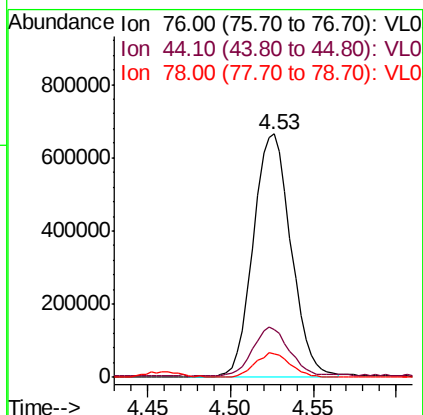
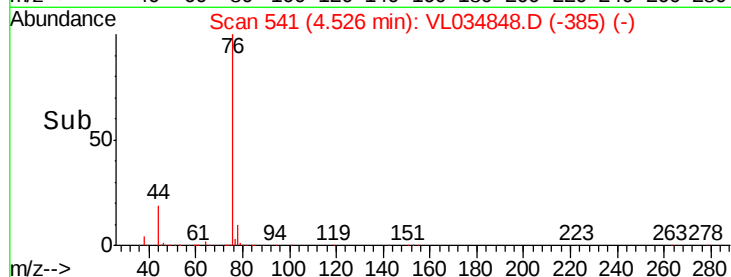
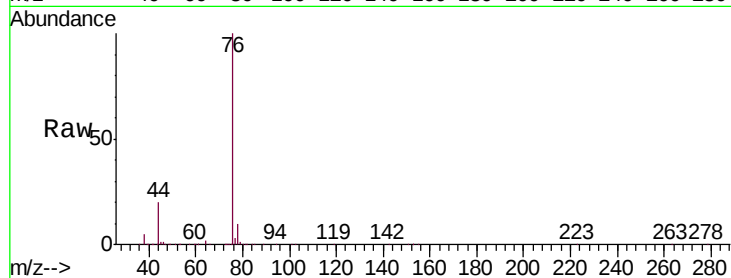
Tgt Ion: 76 Resp: 1054733

Ion Ratio Lower Upper

76 100

44 20.9 16.2 24.2

78 9.7 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 9.412 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034848.D

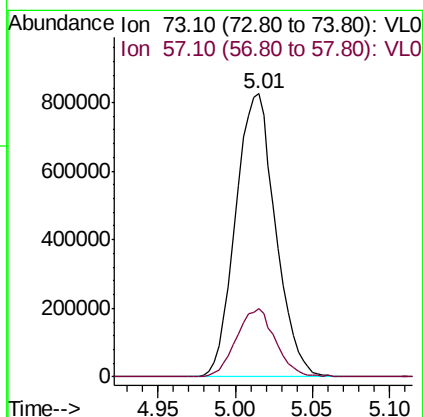
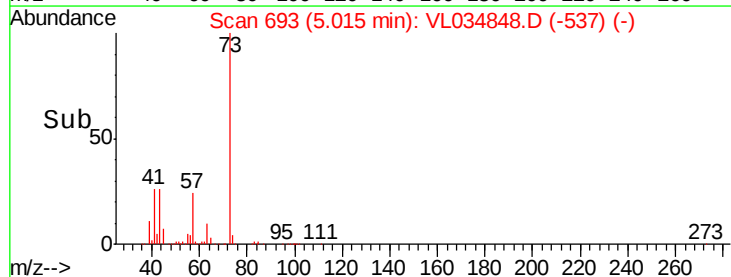
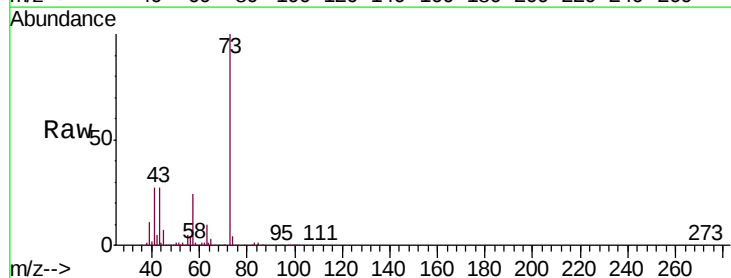
Acq: 9 Mar 2020 20:25

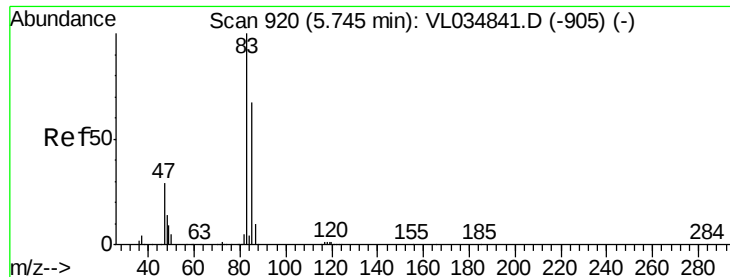
Tgt Ion: 73 Resp: 1479230

Ion Ratio Lower Upper

73 100

57 23.7 18.3 27.5

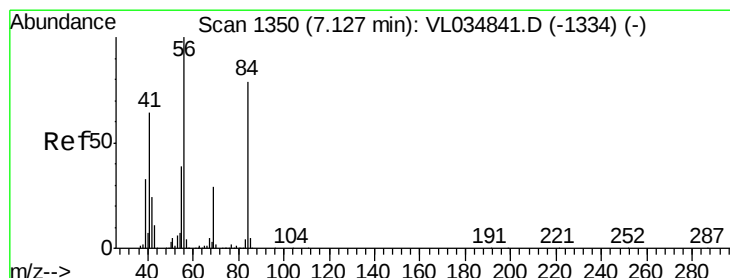
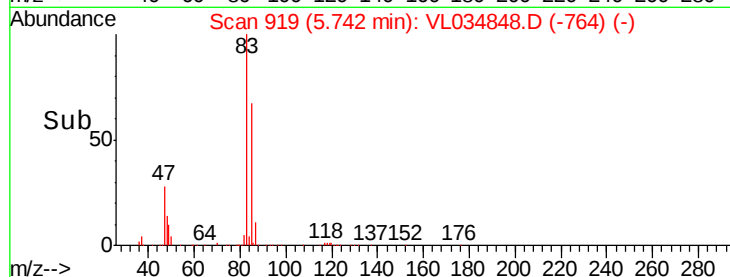
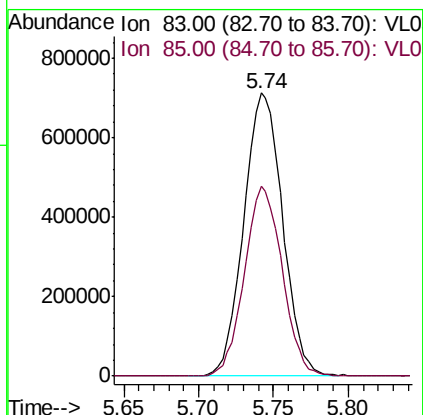
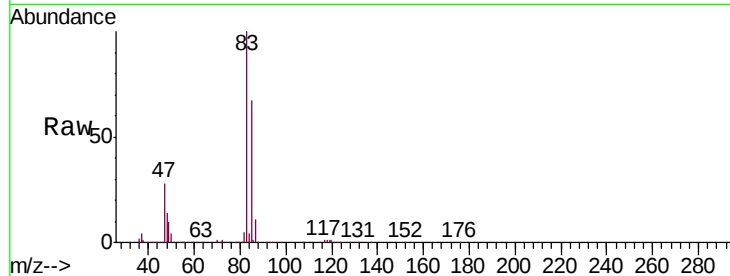




#29
Chloroform
Concen: 8.927 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

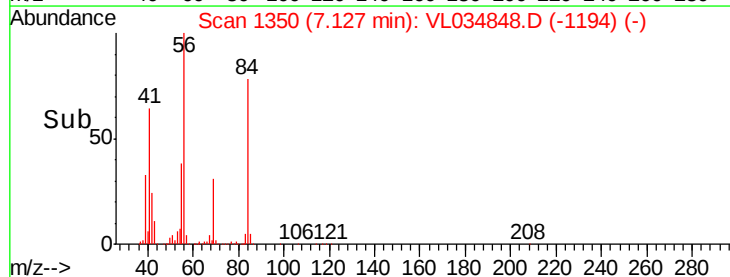
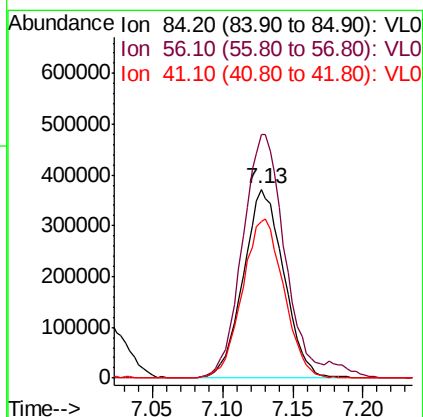
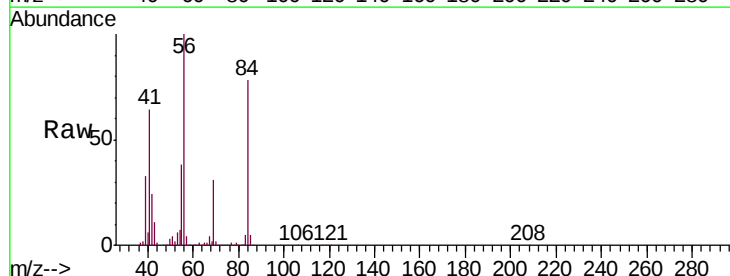
Instrument :
MSVOA_L
ClientSampleId :
BFB

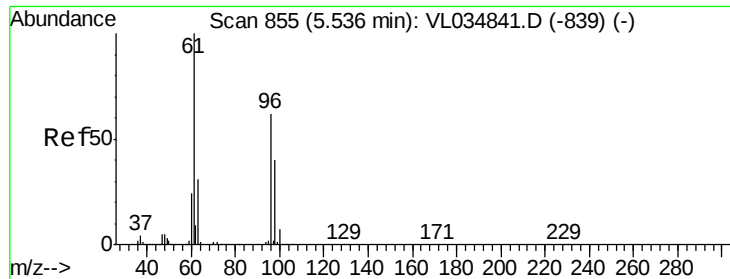
Tgt Ion: 83 Resp: 1286570
Ion Ratio Lower Upper
83 100
85 67.1 53.8 80.6



#30
Cyclohexane
Concen: 9.495 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 84 Resp: 748361
Ion Ratio Lower Upper
84 100
56 138.5 110.5 165.7
41 86.2 68.2 102.4

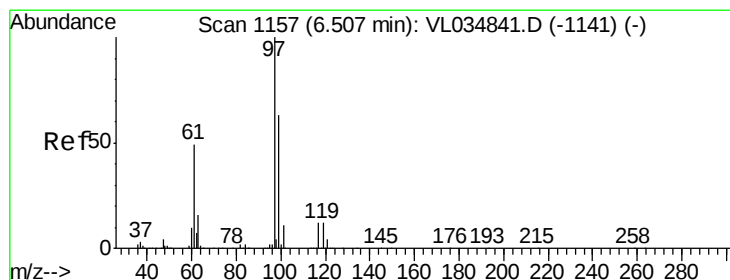
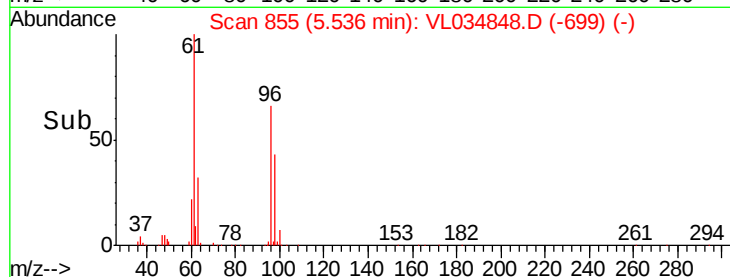
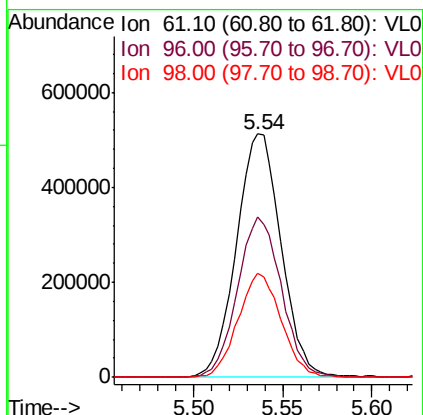
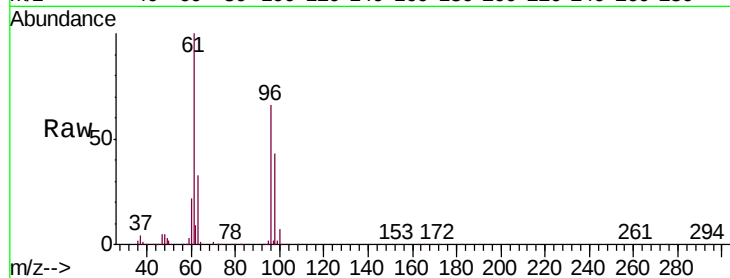




#31
 cis-1,2-Dichloroethene
 Concen: 9.286 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

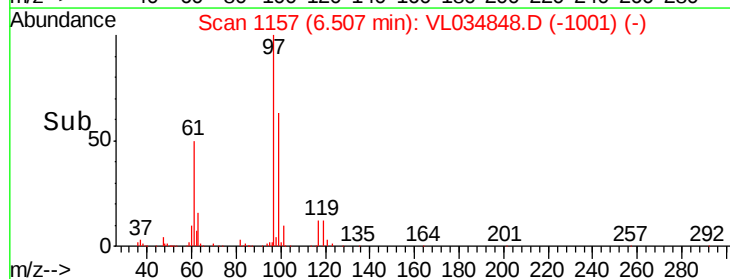
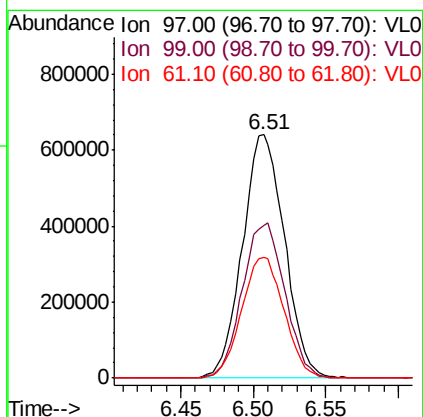
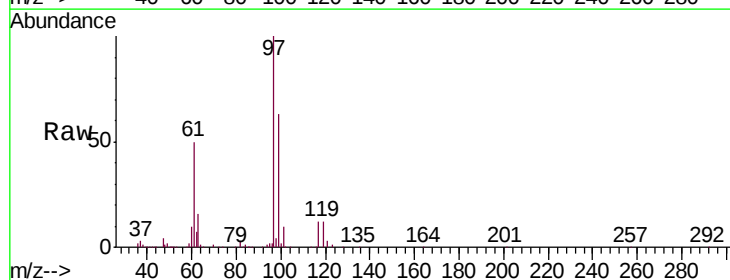
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

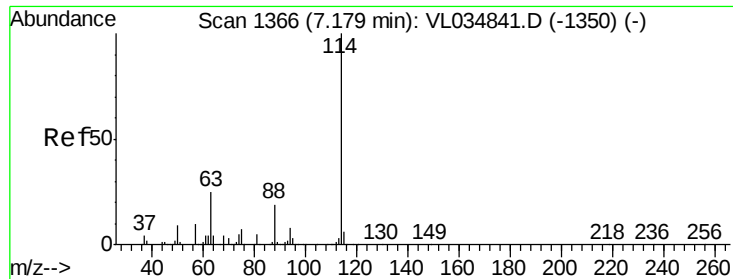
Tgt Ion: 61 Resp: 897033
 Ion Ratio Lower Upper
 61 100
 96 65.9 49.8 74.8
 98 43.0 32.2 48.4



#32
 1,1,1-Trichloroethane
 Concen: 9.232 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 97 Resp: 1296542
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 50.0 39.7 59.5

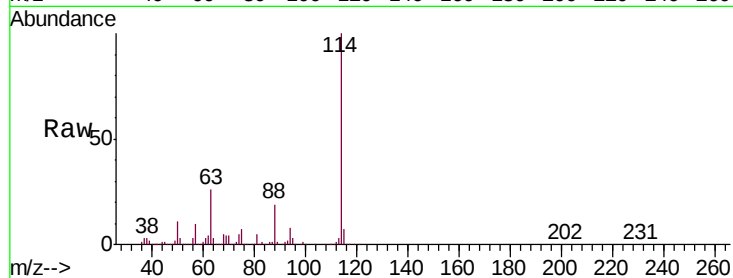




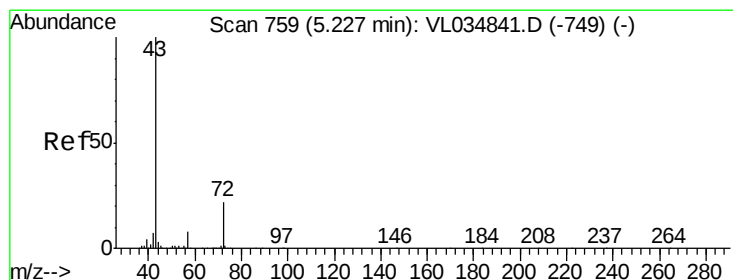
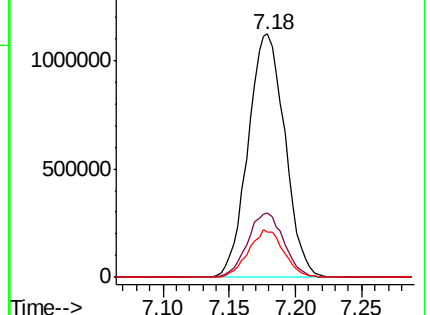
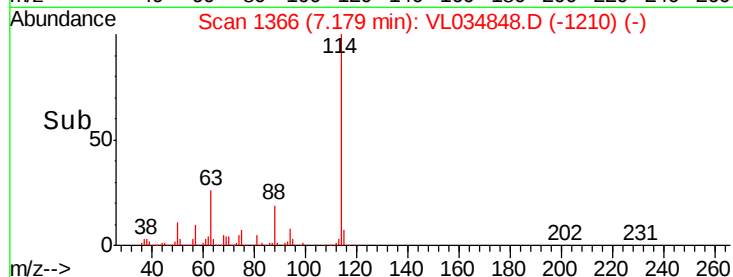
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 114 Resp: 2169867
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.6 31.0
 88 18.7 15.0 22.6

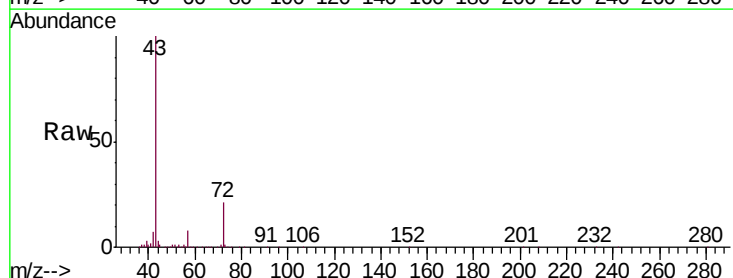


Abundance Ion 114.10 (113.80 to 114.80): VL0
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

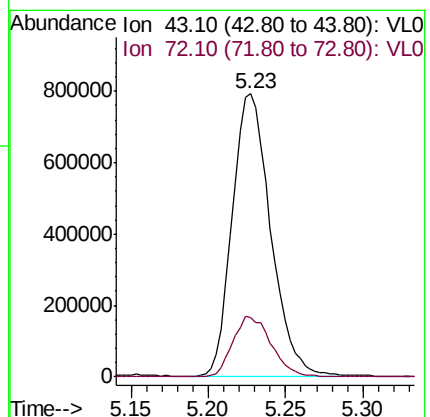
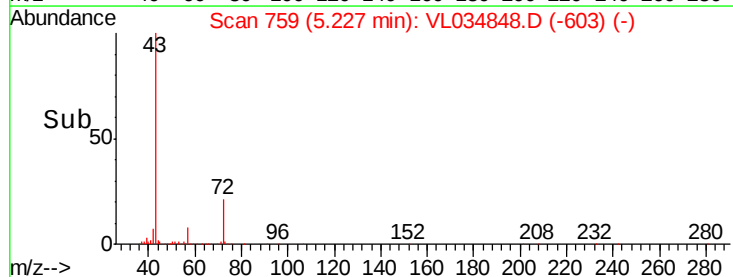


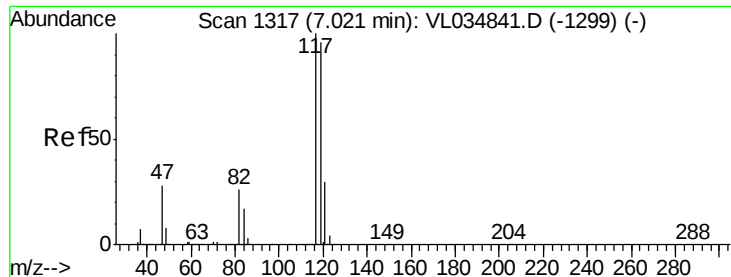
#34
 2-Butanone
 Concen: 9.461 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 43 Resp: 1364247
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 800000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.940 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

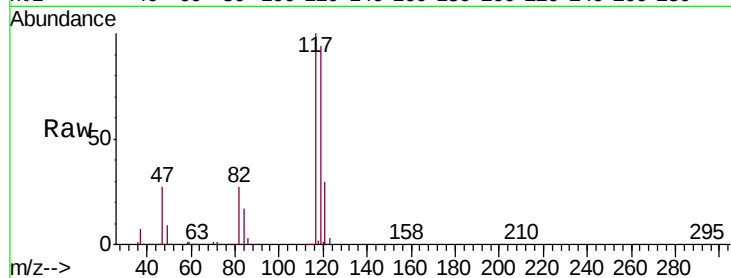
Tgt Ion:117 Resp: 1341450

Ion Ratio Lower Upper

117 100

119 93.8 77.0 115.4

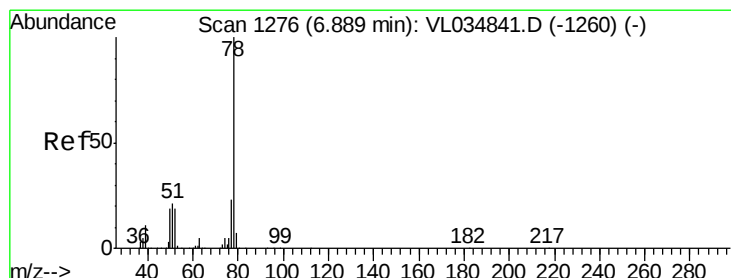
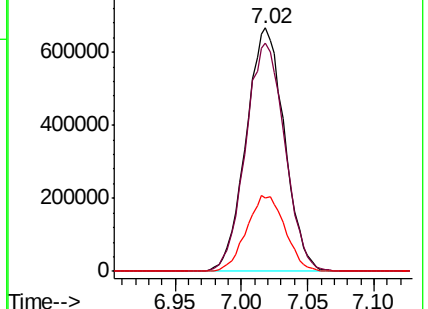
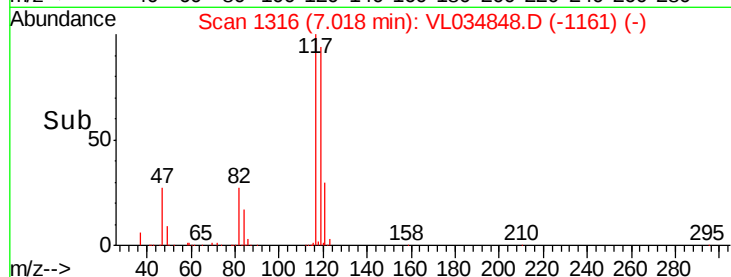
121 30.0 24.0 36.0



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: 9.209 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

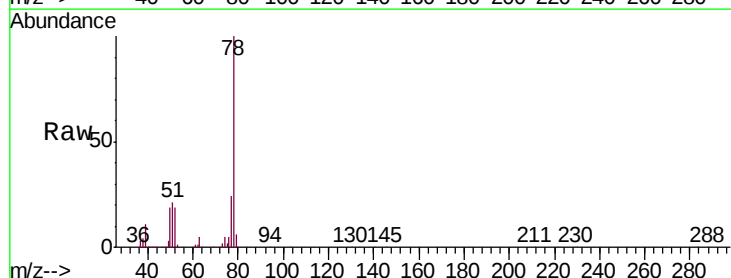
Tgt Ion: 78 Resp: 1781060

Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.2

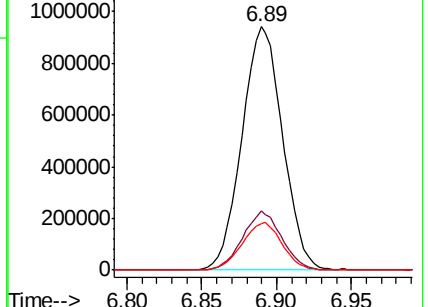
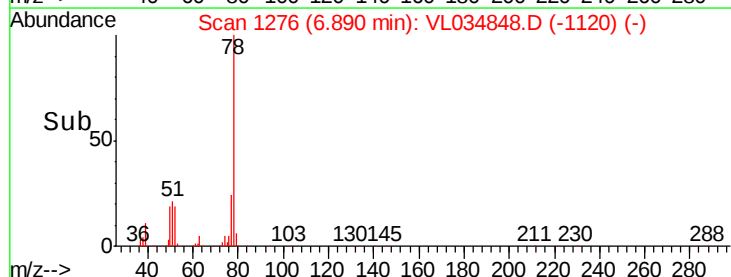
50 19.0 15.2 22.8

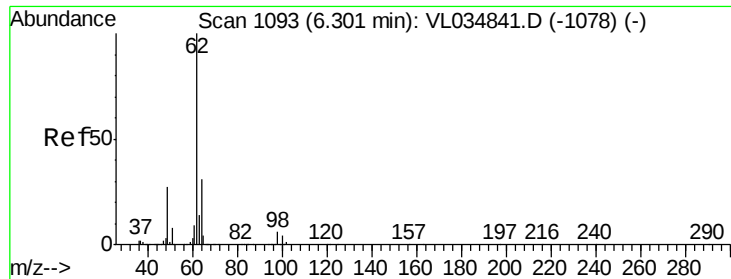


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

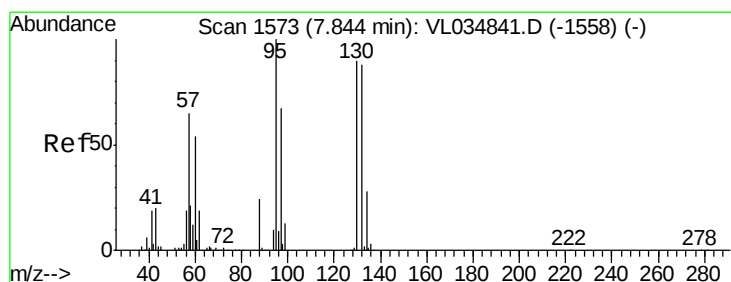
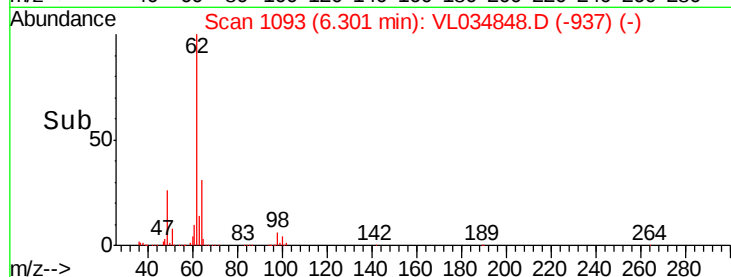
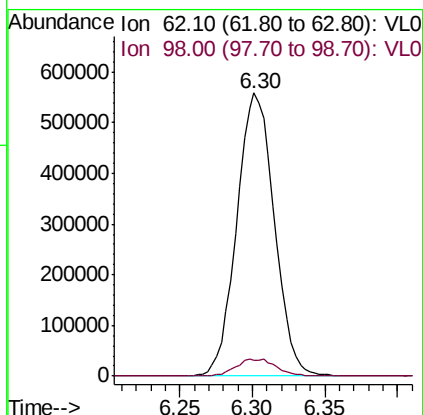
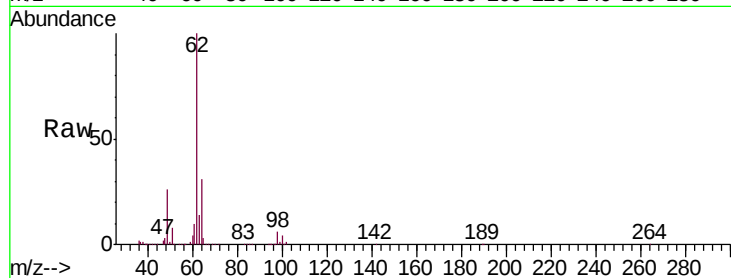




#37
 1,2-Dichloroethane
 Concen: 9.220 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

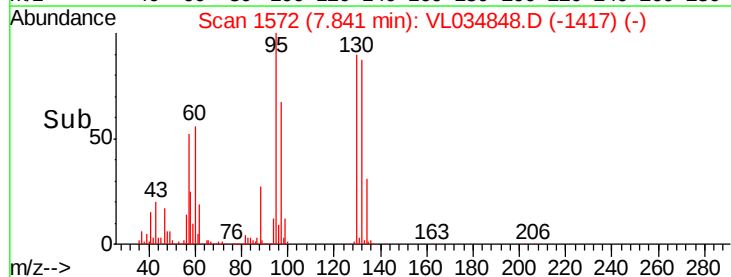
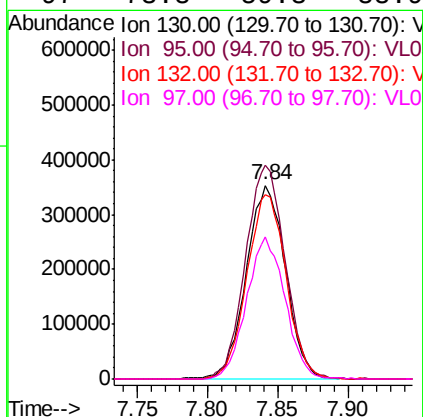
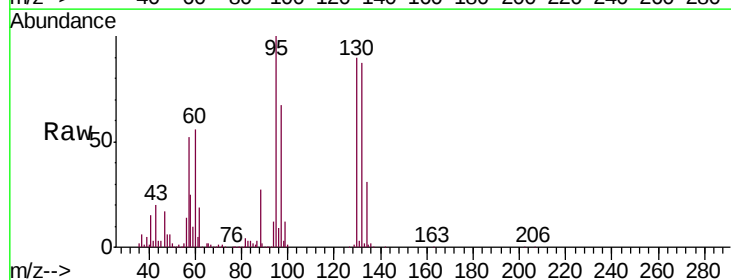
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

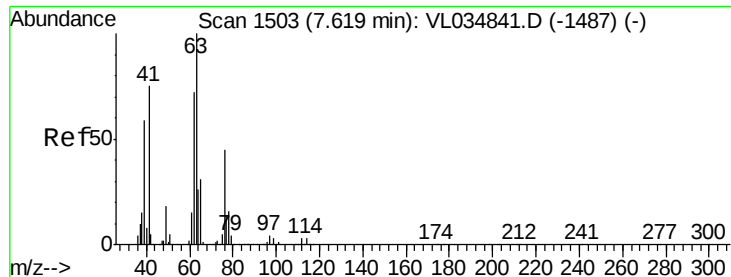
Tgt Ion: 62 Resp: 1005490
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.2 7.8



#38
 Trichloroethene
 Concen: 9.260 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 130 Resp: 680163
 Ion Ratio Lower Upper
 130 100
 95 110.9 88.5 132.7
 132 95.9 78.0 117.0
 97 73.8 59.3 88.9

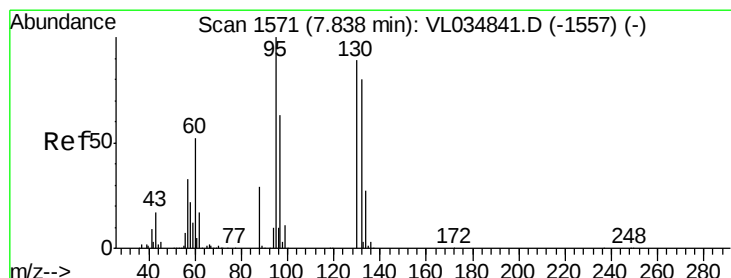
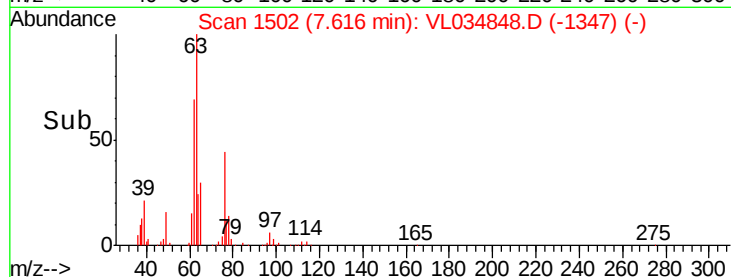
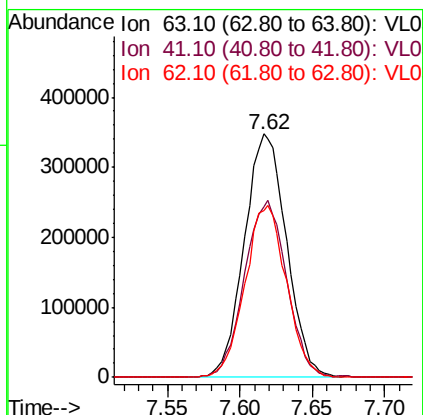
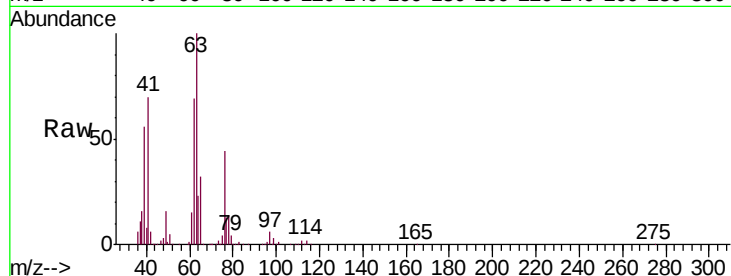




#39
 1,2-Dichloropropane
 Concen: 9.193 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

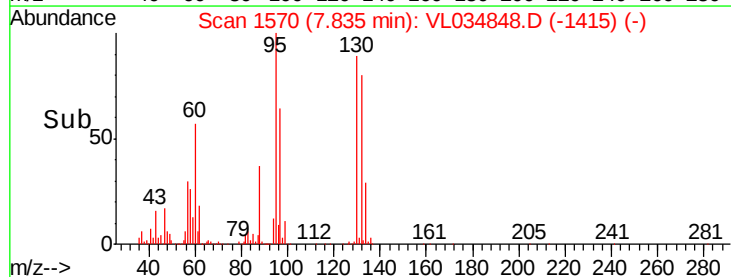
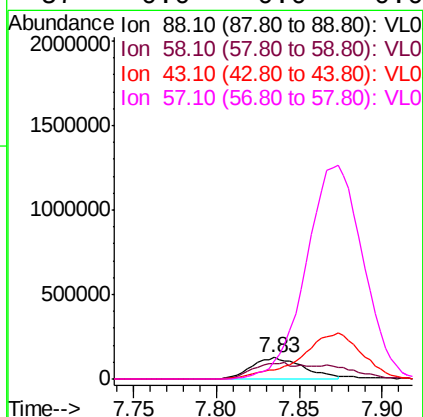
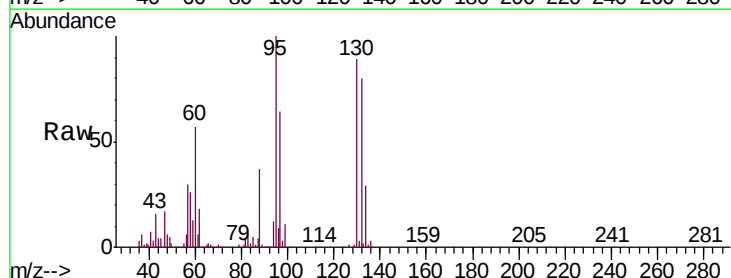
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

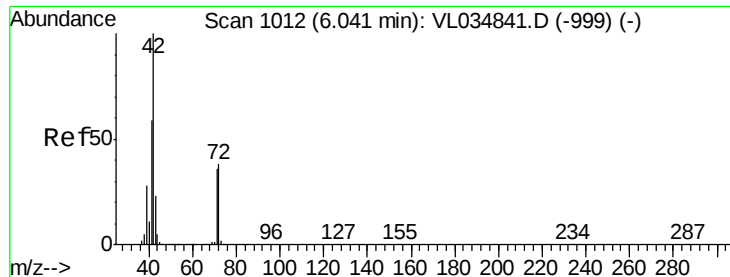
Tgt Ion: 63 Resp: 704489
 Ion Ratio Lower Upper
 63 100
 41 69.9 59.8 89.8
 62 68.7 57.6 86.4



#40
 1,4-Dioxane
 Concen: 9.512 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 88 Resp: 275265
 Ion Ratio Lower Upper
 88 100
 58 129.8 103.9 155.9
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

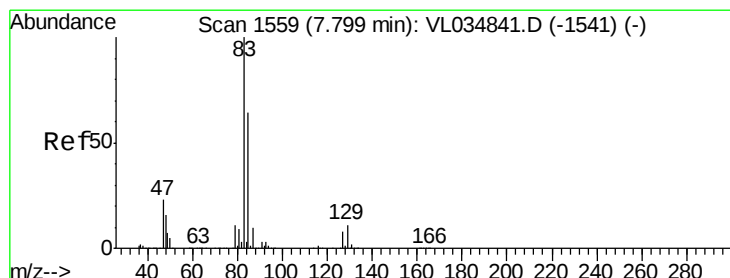
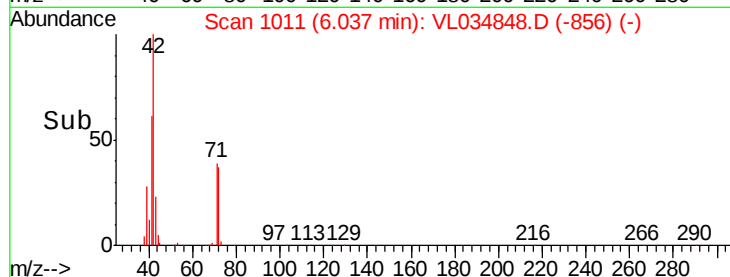
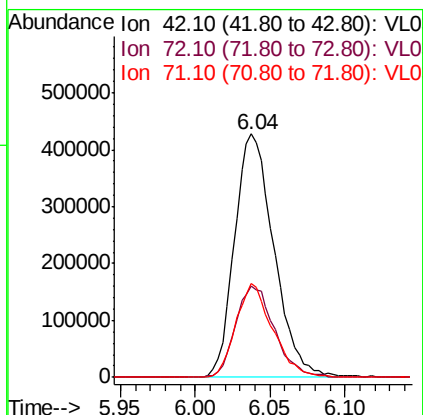
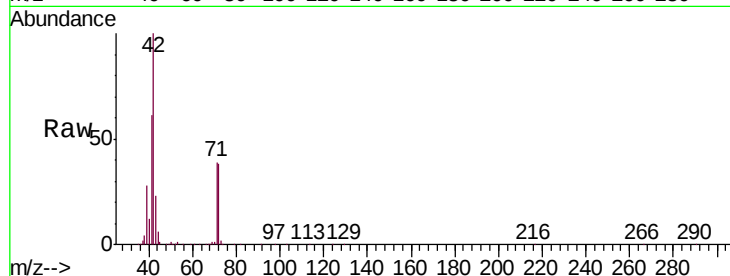




#41
Tetrahydrofuran
Concen: 10.029 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

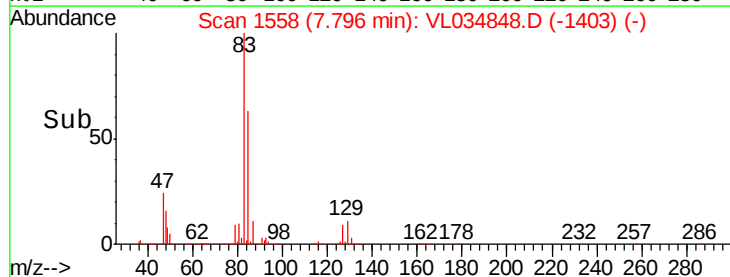
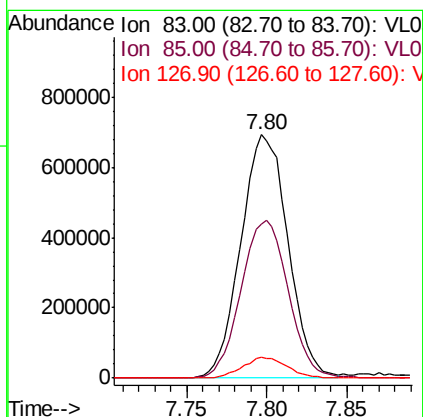
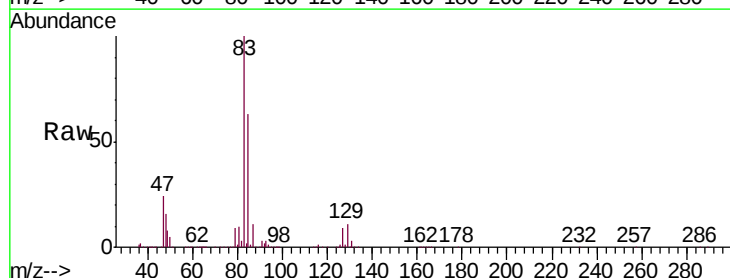
Instrument :
MSVOA_L
ClientSampled :
BFB

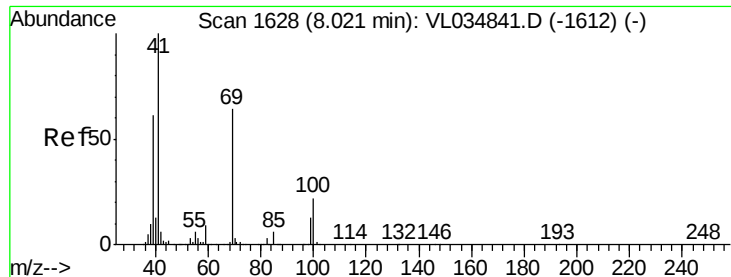
Tgt Ion: 42 Resp: 782552
Ion Ratio Lower Upper
42 100
72 37.3 30.8 46.2
71 36.2 30.1 45.1



#42
Bromodichloromethane
Concen: 9.389 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 83 Resp: 1395566
Ion Ratio Lower Upper
83 100
85 63.0 51.4 77.2
127 8.5 6.2 9.4

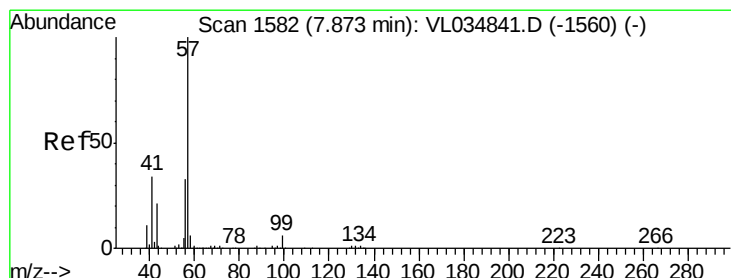
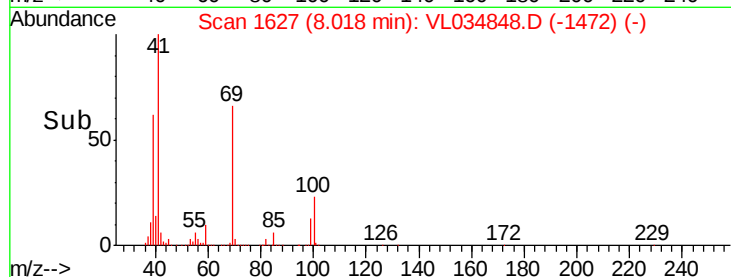
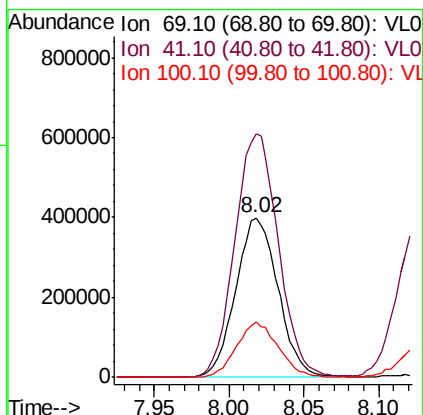
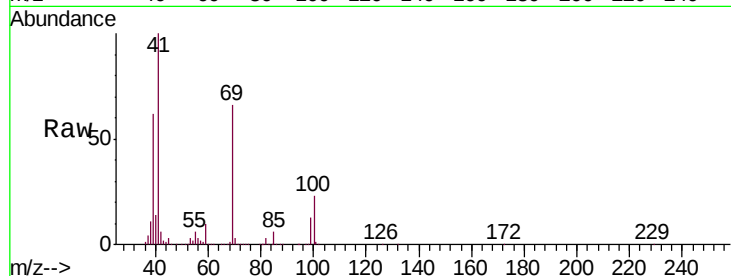




#43
Methyl Methacrylate
Concen: 9.680 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

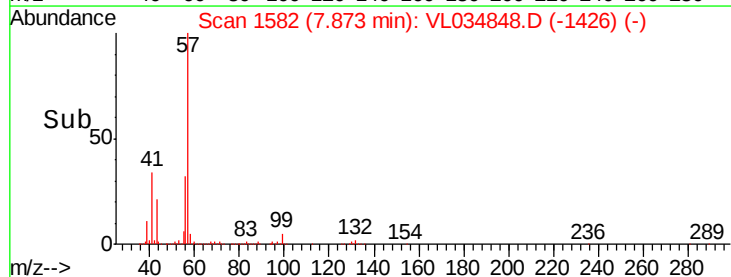
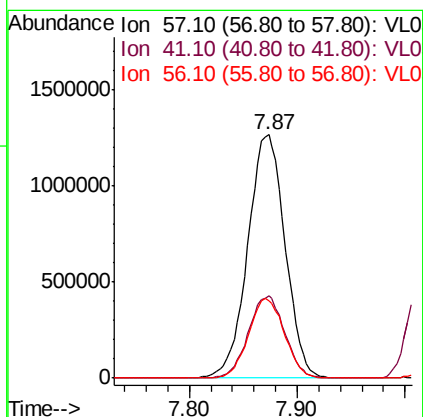
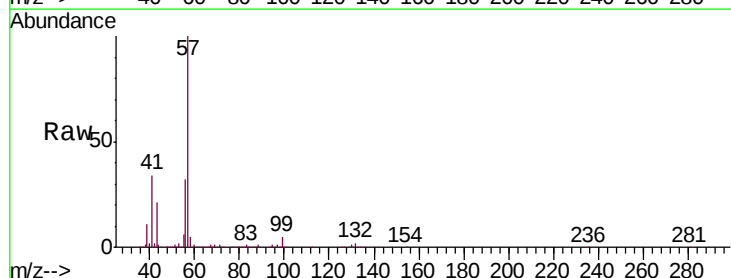
Instrument :
MSVOA_L
ClientSampleId :
BFB

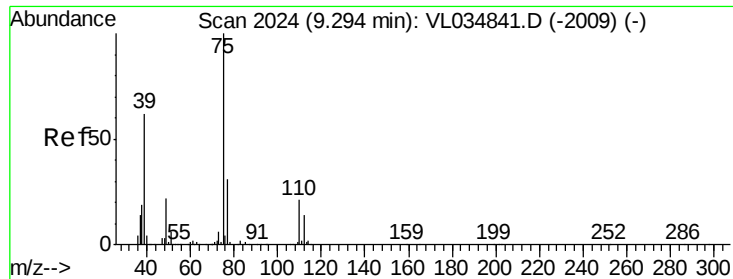
Tgt Ion: 69 Resp: 788786
Ion Ratio Lower Upper
69 100
41 156.2 123.2 184.8
100 33.9 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.296 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 57 Resp: 3038124
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.4
56 31.4 25.0 37.4

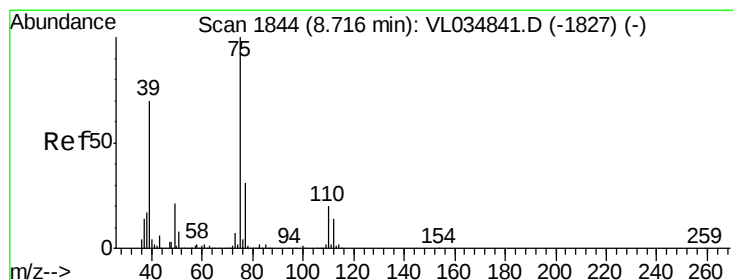
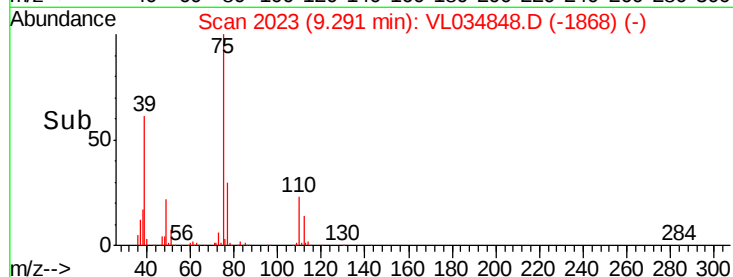
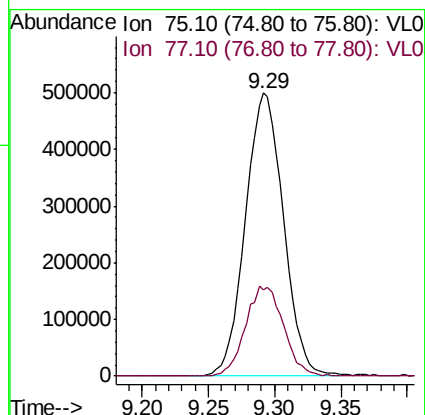
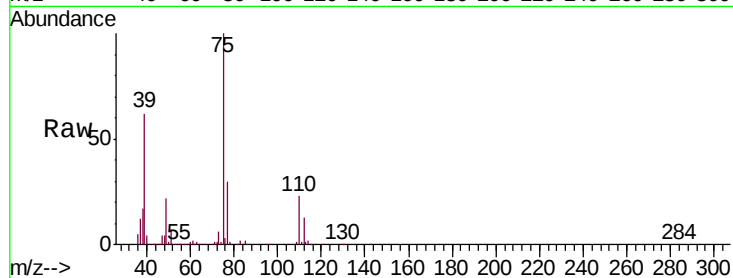




#45
t-1,3-Dichloropropene
Concen: 10.421 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

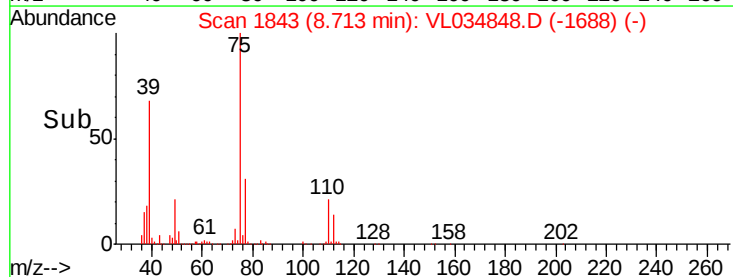
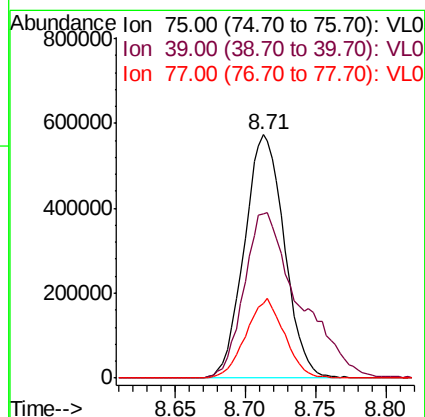
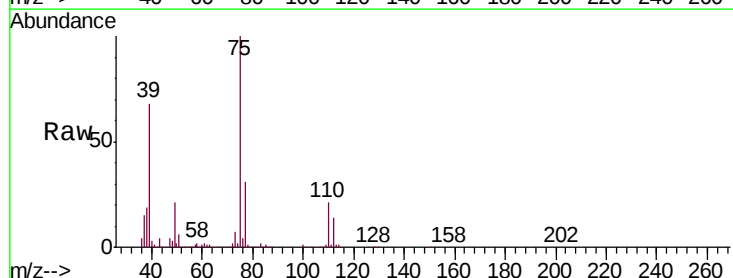
Instrument :
MSVOA_L
ClientSampled :
BFB

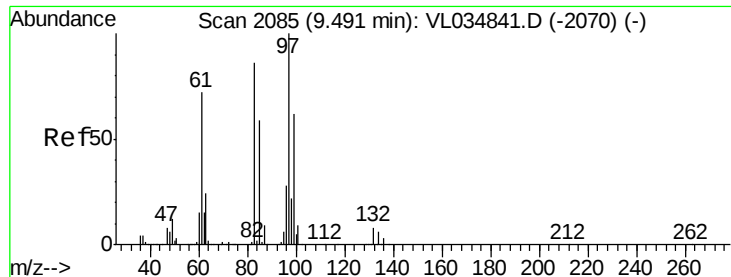
Tgt Ion: 75 Resp: 997577
Ion Ratio Lower Upper
75 100
77 30.5 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 10.030 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 75 Resp: 1140955
Ion Ratio Lower Upper
75 100
39 67.7 55.7 83.5
77 30.4 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 9.023 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 709613

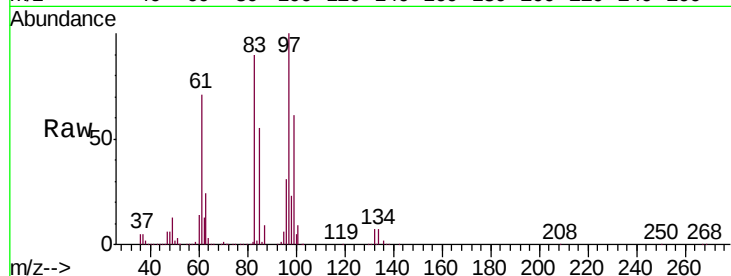
Ion Ratio Lower Upper

97 100

83 89.8 68.6 102.8

85 55.2 46.9 70.3

99 61.0 49.9 74.9

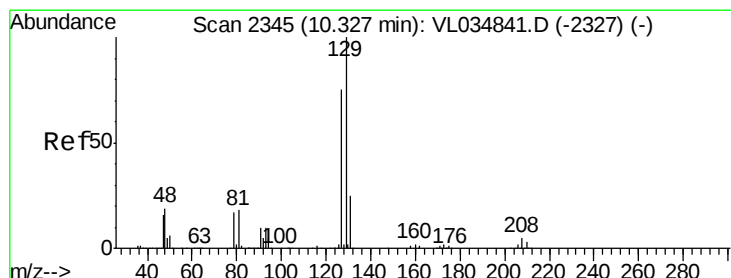
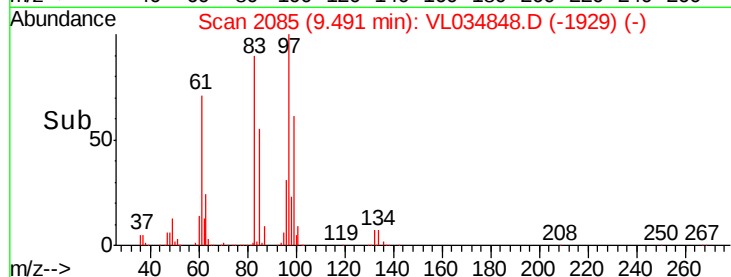
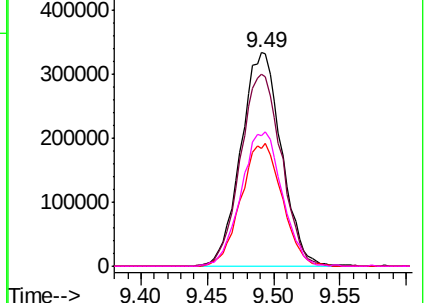


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.518 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VL034848.D

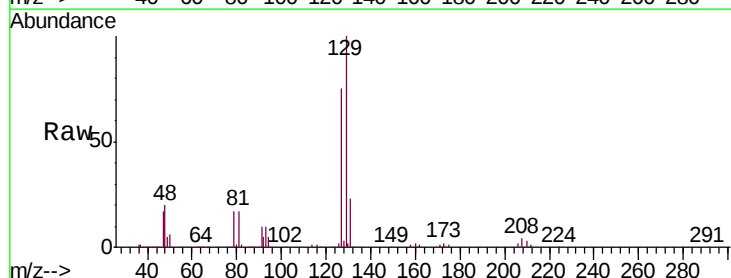
Acq: 9 Mar 2020 20:25

Tgt Ion: 129 Resp: 1212225

Ion Ratio Lower Upper

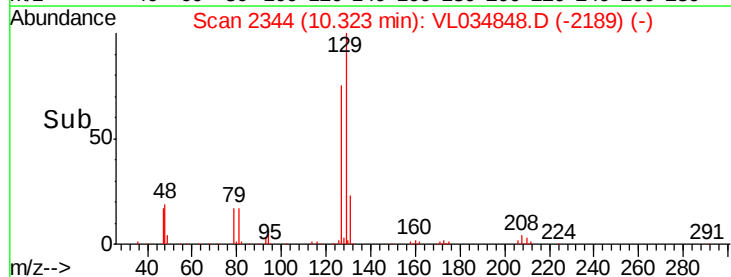
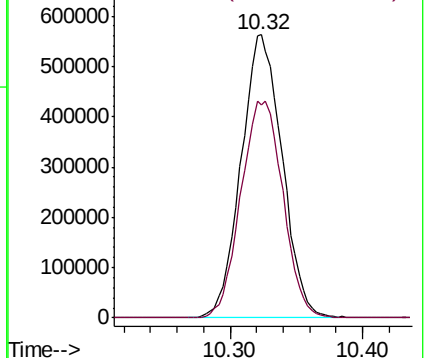
129 100

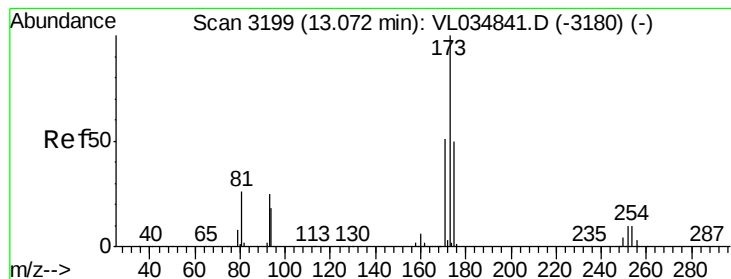
127 78.8 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.390 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

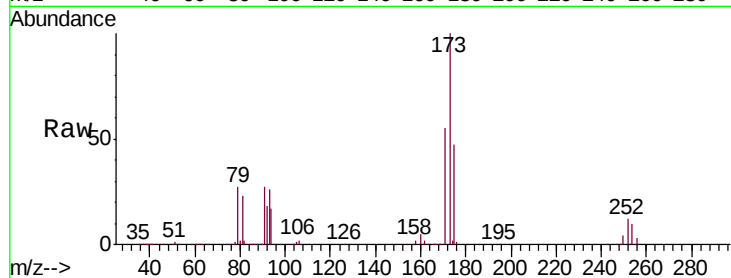
Tgt Ion:173 Resp: 1066301

Ion Ratio Lower Upper

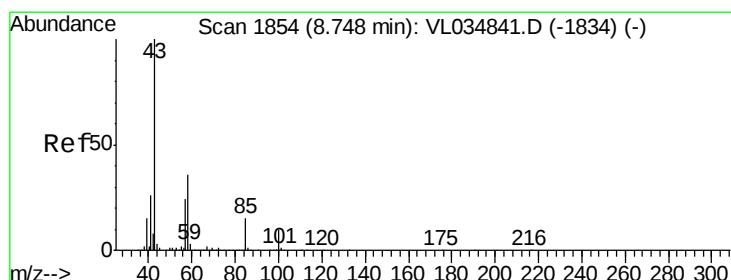
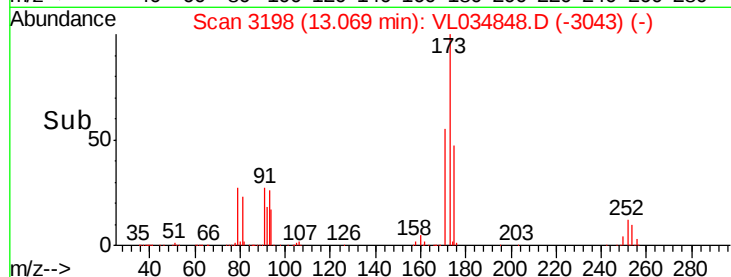
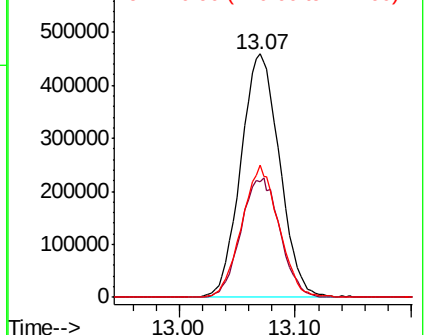
173 100

175 49.5 39.6 59.4

171 51.9 41.0 61.6



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: 9.472 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034848.D

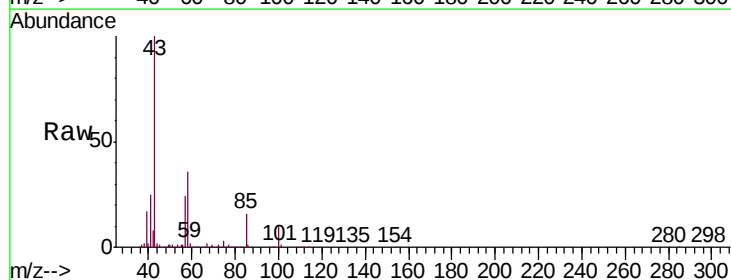
Acq: 9 Mar 2020 20:25

Tgt Ion: 43 Resp: 1966089

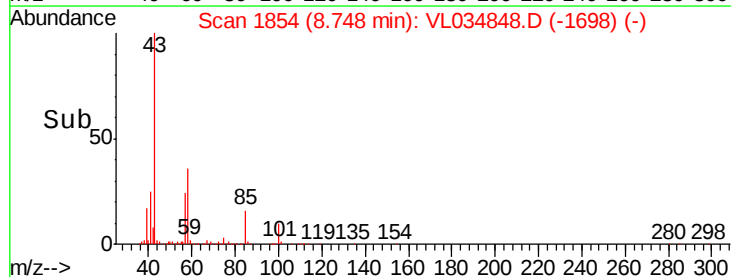
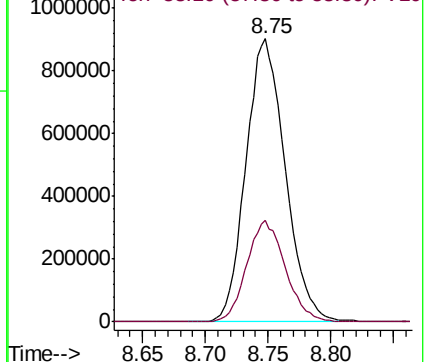
Ion Ratio Lower Upper

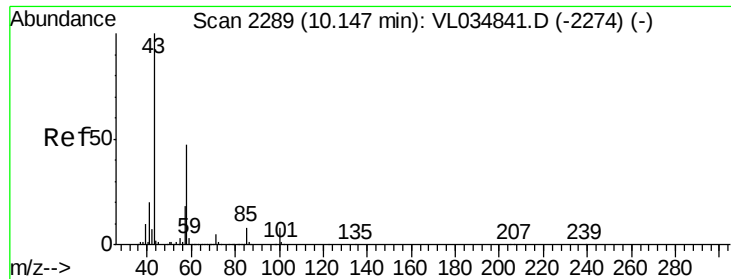
43 100

58 35.2 28.6 42.8



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

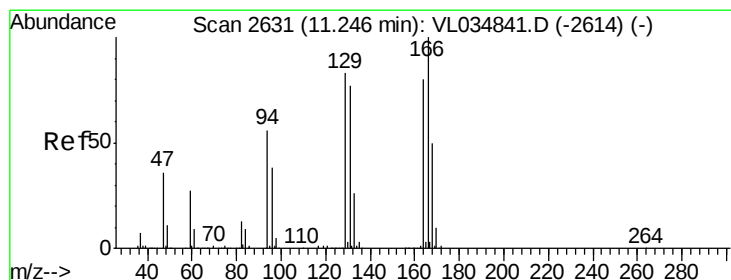
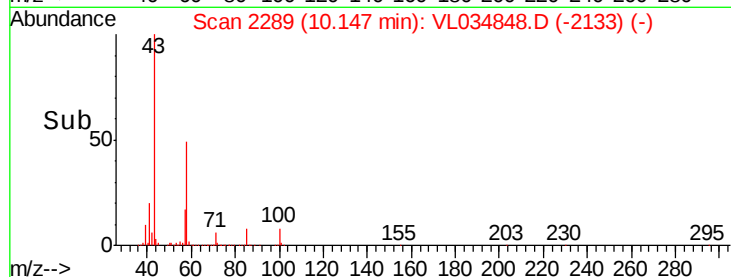
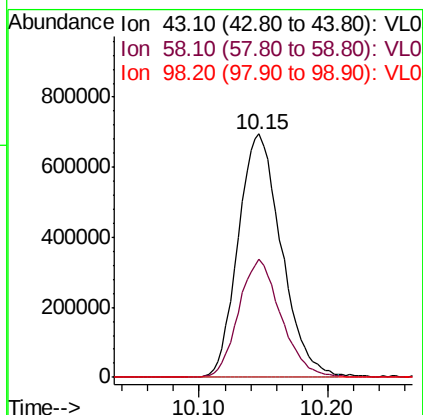
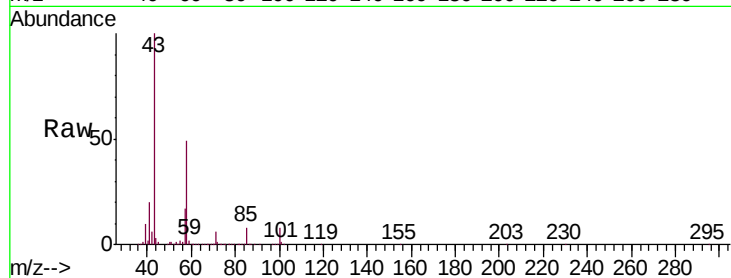




#51
2-Hexanone
Concen: 9.602 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

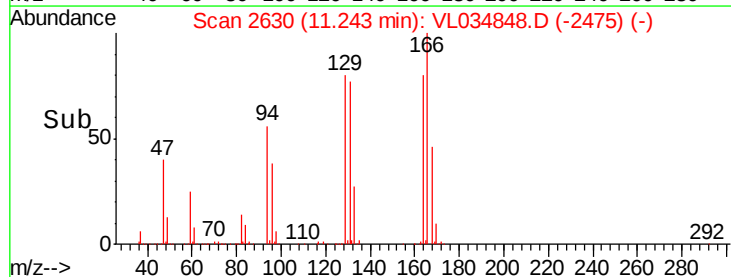
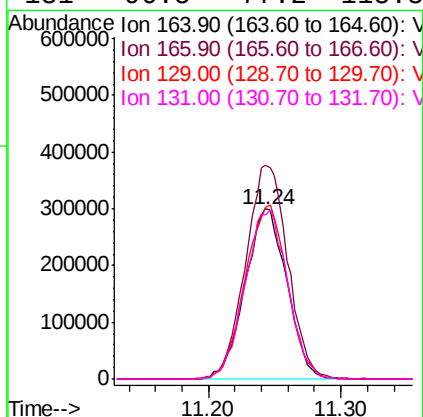
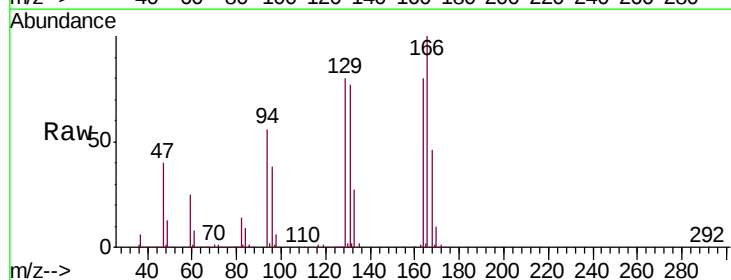
Instrument :
MSVOA_L
ClientSampleId :
BFB

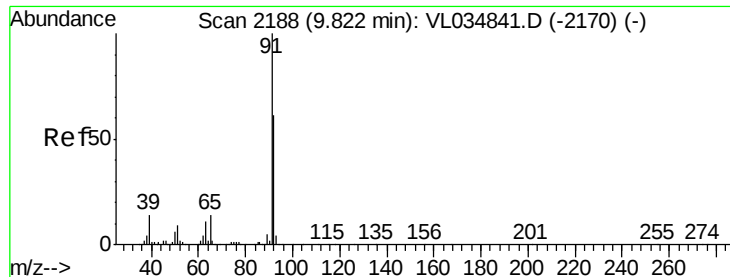
Tgt Ion: 43 Resp: 1619783
Ion Ratio Lower Upper
43 100
58 47.5 38.6 58.0
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.600 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 164 Resp: 658018
Ion Ratio Lower Upper
164 100
166 125.6 100.0 150.0
129 100.8 83.1 124.7
131 96.5 77.2 115.8





#53

Toluene

Concen: 9.233 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

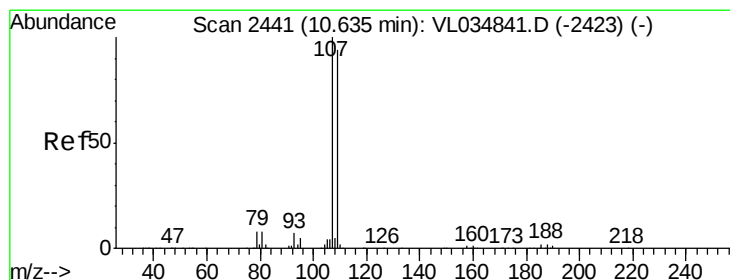
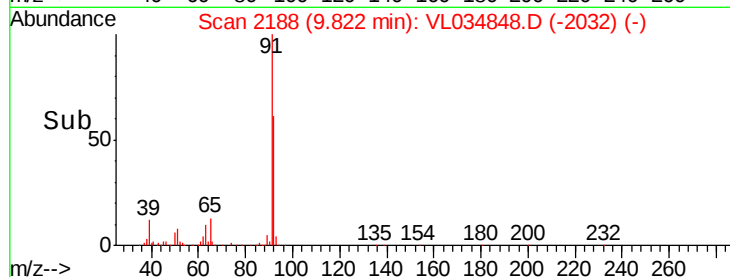
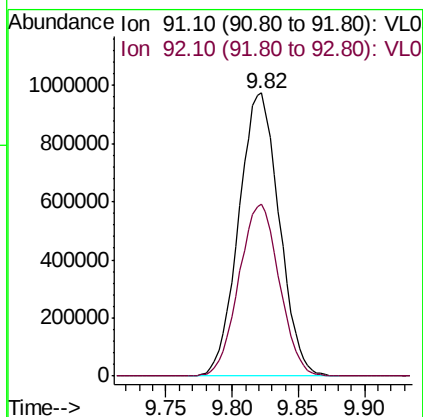
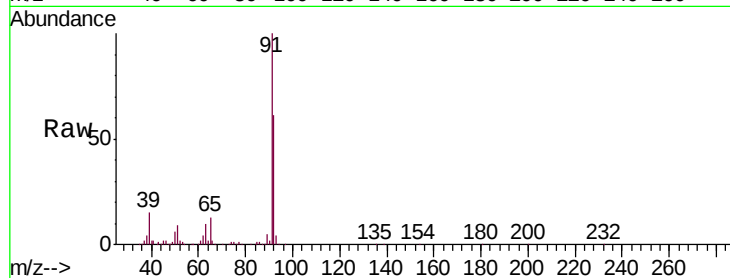
BFB

Tgt Ion: 91 Resp: 2062248

Ion Ratio Lower Upper

91 100

92 61.1 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.289 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034848.D

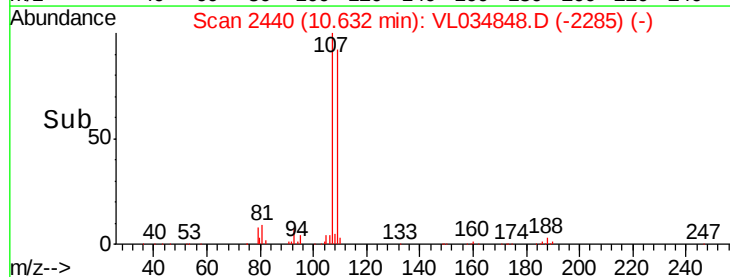
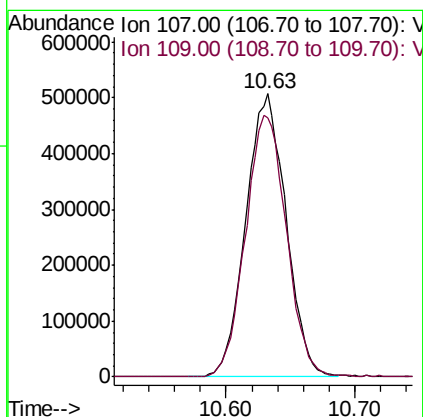
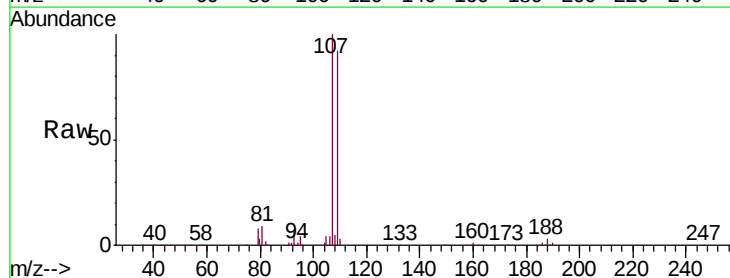
Acq: 9 Mar 2020 20:25

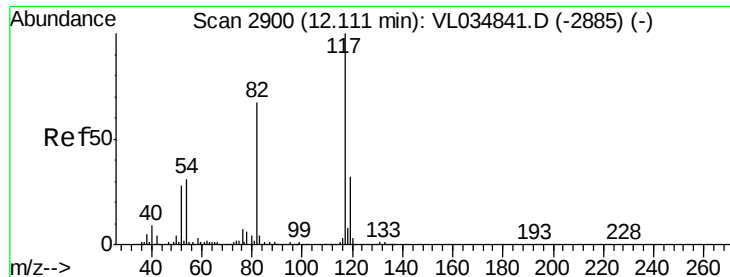
Tgt Ion: 107 Resp: 1099640

Ion Ratio Lower Upper

107 100

109 91.6 74.9 112.3

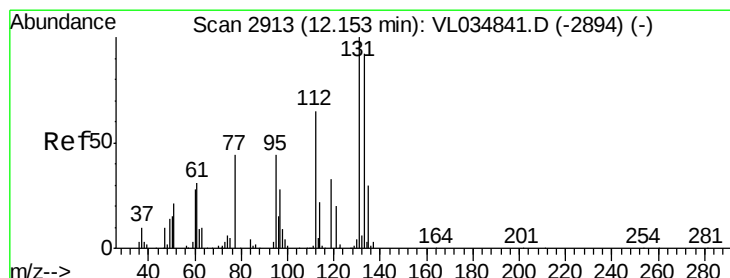
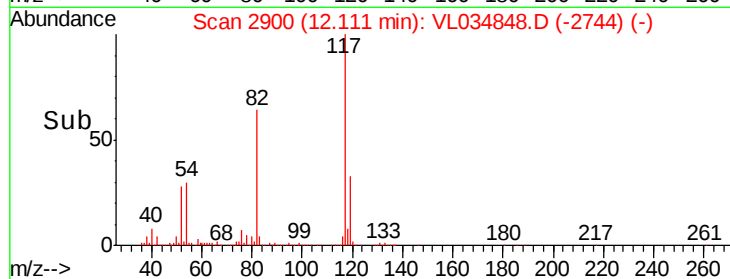
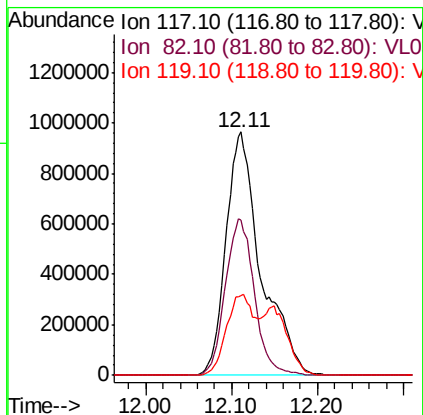
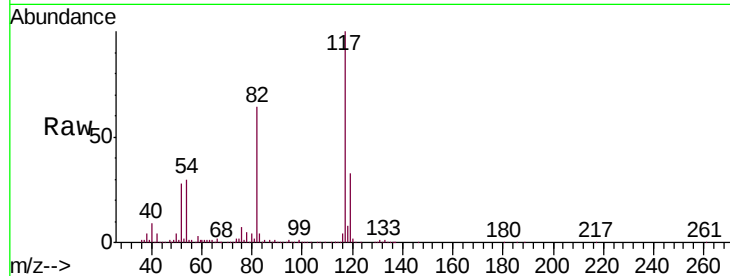




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

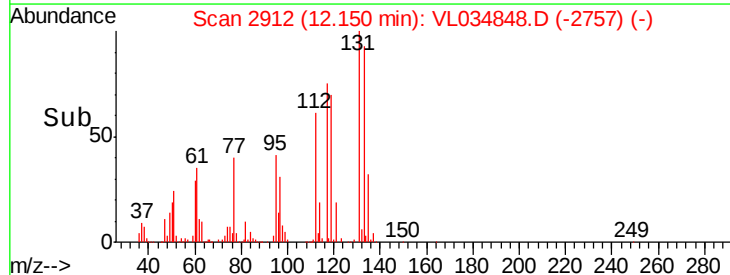
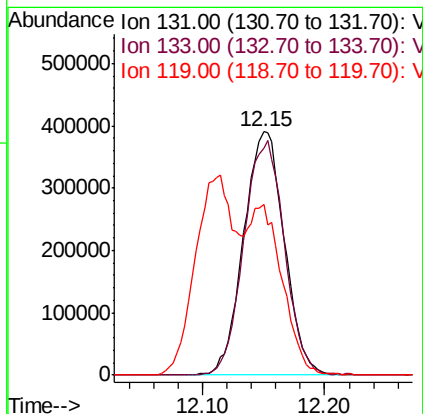
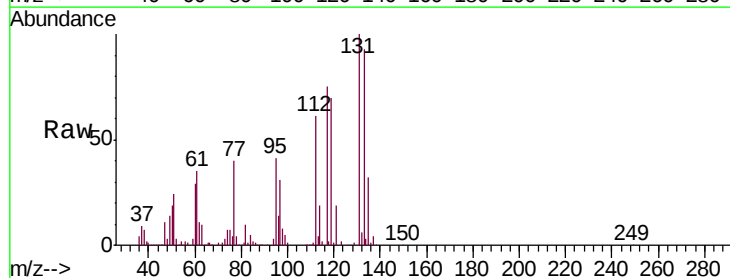
Instrument :
MSVOA_L
ClientSampleId :
BFB

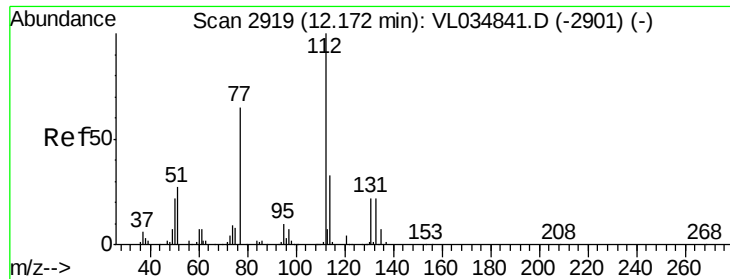
Tgt Ion:117 Resp: 2724986
Ion Ratio Lower Upper
117 100
82 53.5 51.1 76.7
119 27.8 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.357 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion:131 Resp: 900549
Ion Ratio Lower Upper
131 100
133 96.2 76.0 114.0
119 142.3 47.8 71.8#

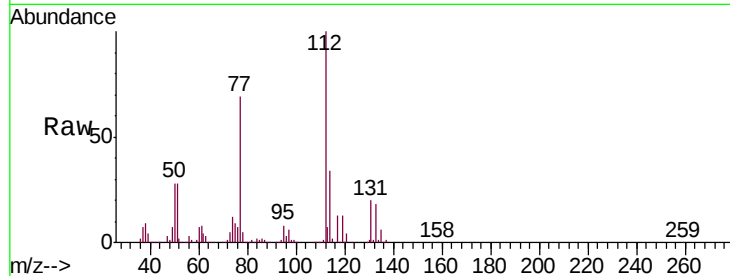




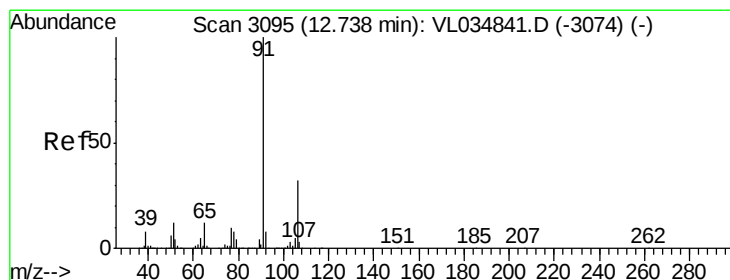
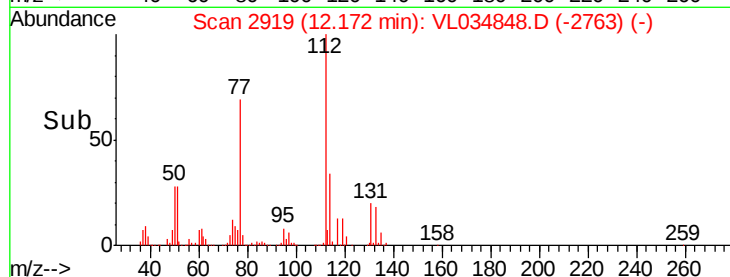
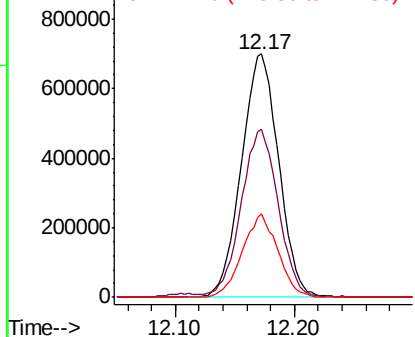
#57
Chlorobenzene
Concen: 7.126 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 112 Resp: 1519418
Ion Ratio Lower Upper
112 100
77 68.9 53.0 79.6
114 34.3 29.5 36.1

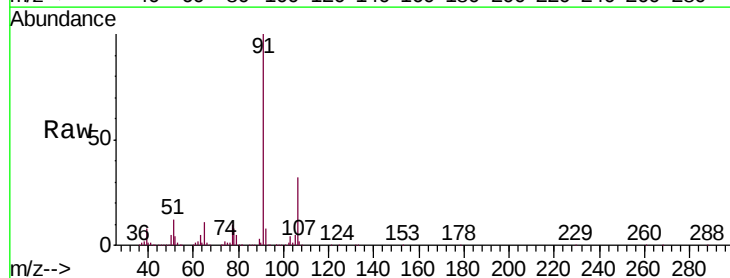


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

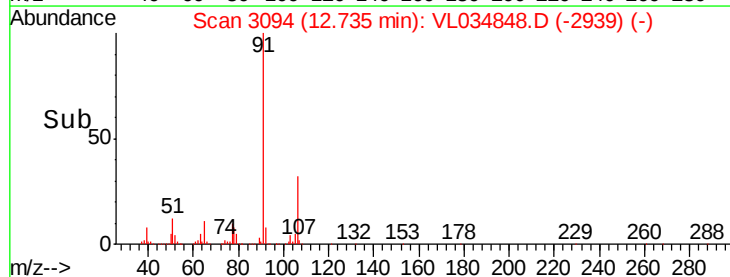
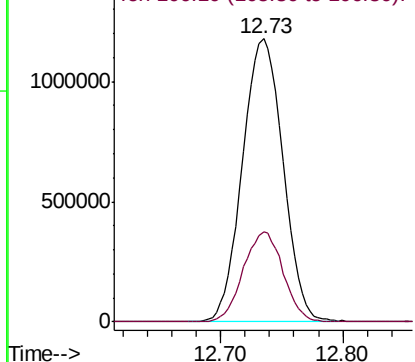


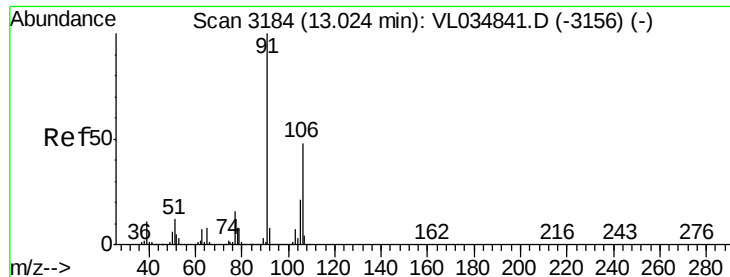
#58
Ethyl Benzene
Concen: 7.338 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 91 Resp: 2707770
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.6



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

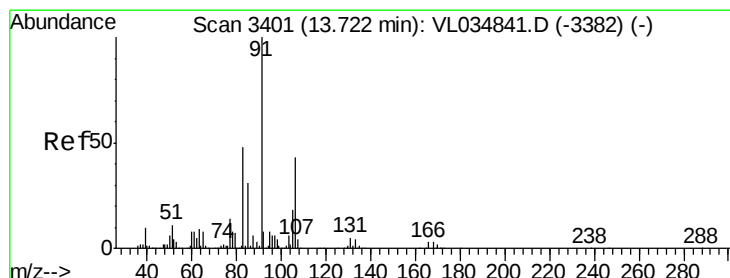
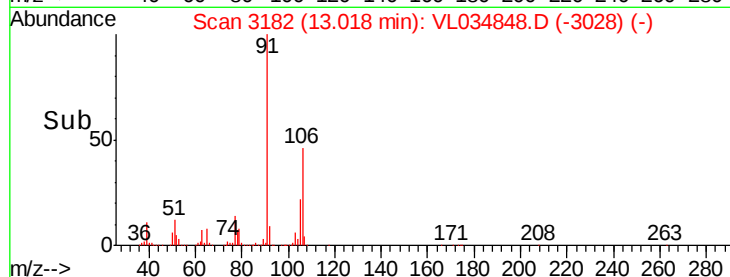
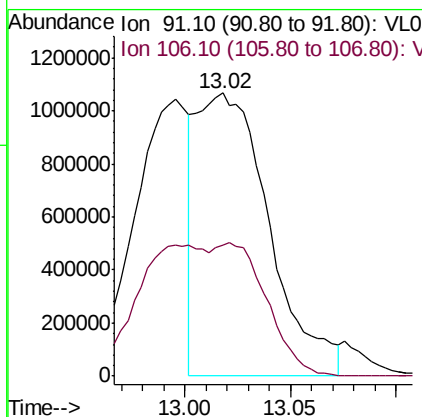
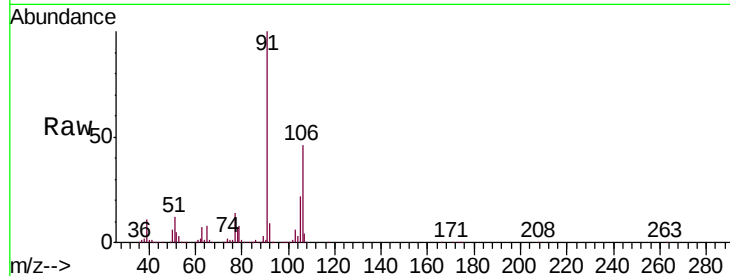




#59
m/p-Xylene
Concen: 8.178 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

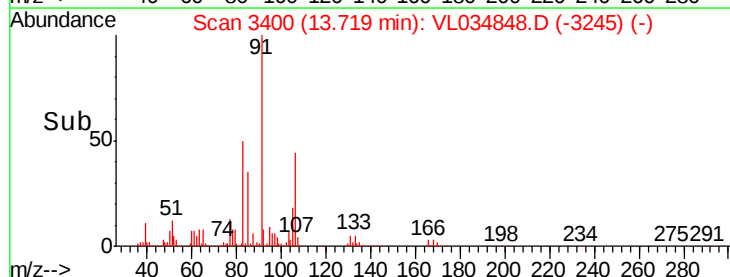
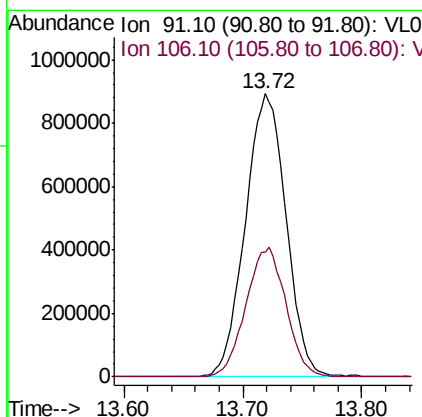
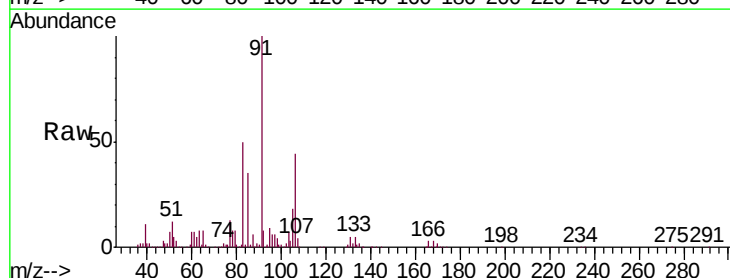
Instrument :
MSVOA_L
ClientSampleId :
BFB

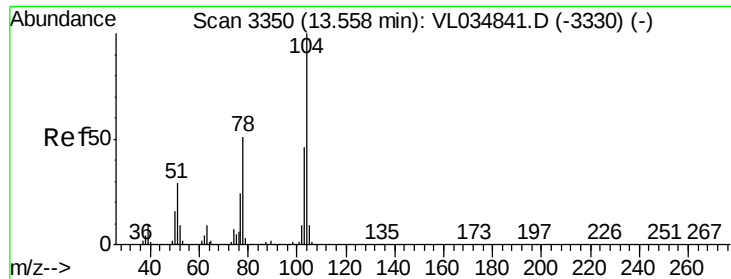
Tgt Ion: 91 Resp: 2528342
Ion Ratio Lower Upper
91 100
106 80.4 37.1 55.7#



#60
o-Xylene
Concen: 7.006 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 91 Resp: 2114815
Ion Ratio Lower Upper
91 100
106 45.1 22.5 67.5





#61

Styrene

Concen: 7.697 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

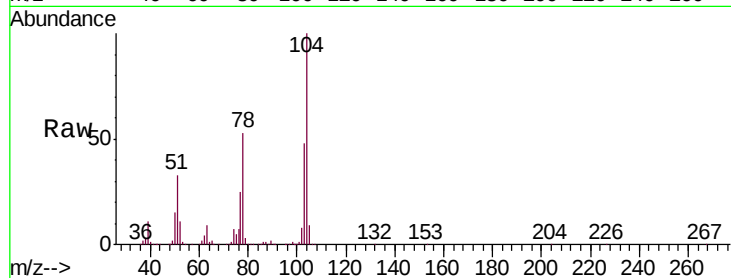
Tgt Ion:104 Resp: 1630611

Ion Ratio Lower Upper

104 100

78 51.9 41.8 62.6

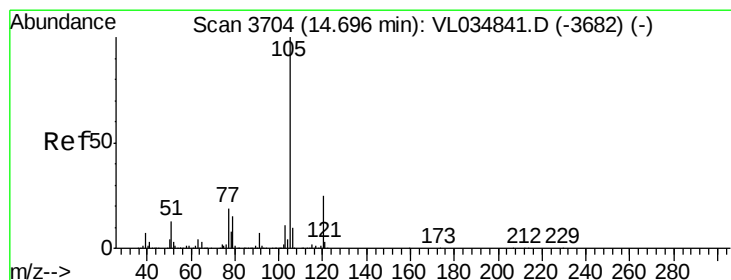
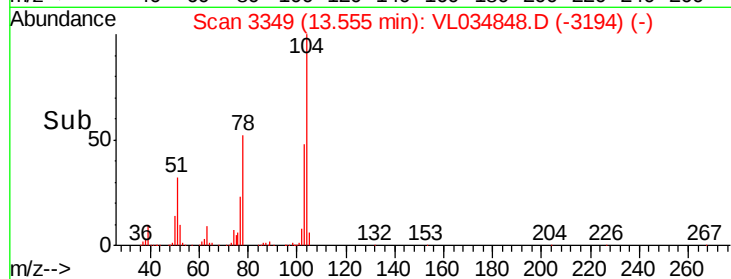
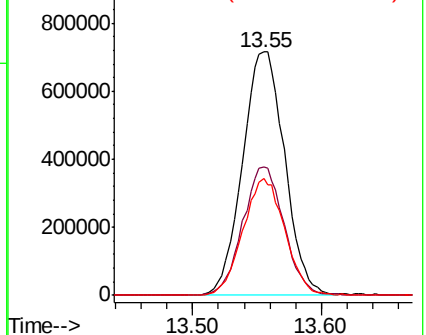
103 47.6 37.8 56.6



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: 7.021 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034848.D

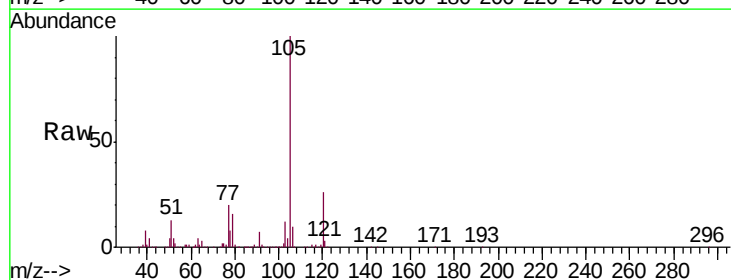
Acq: 9 Mar 2020 20:25

Tgt Ion:105 Resp: 3204523

Ion Ratio Lower Upper

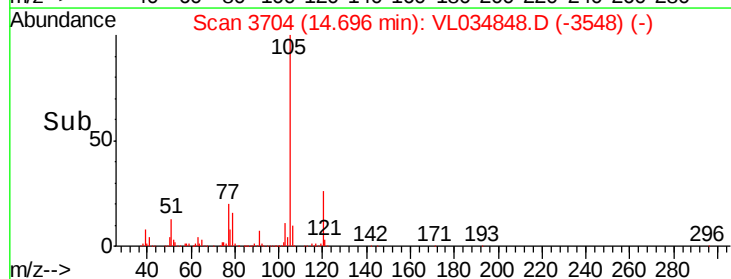
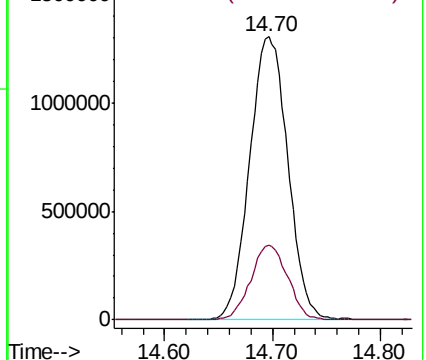
105 100

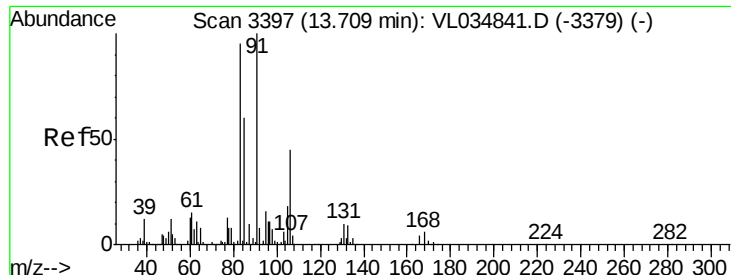
120 25.7 21.0 31.4



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: 7.066 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

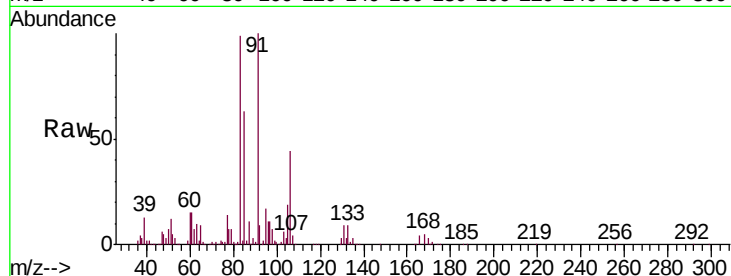
Tgt Ion: 83 Resp: 1448081

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

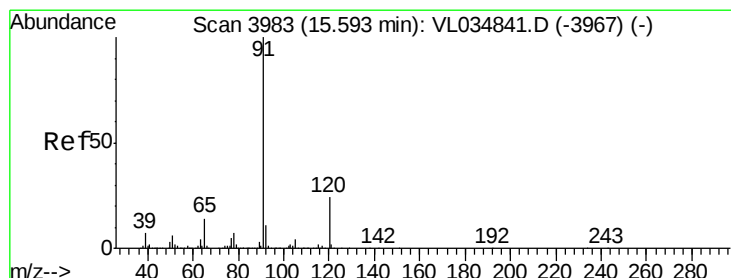
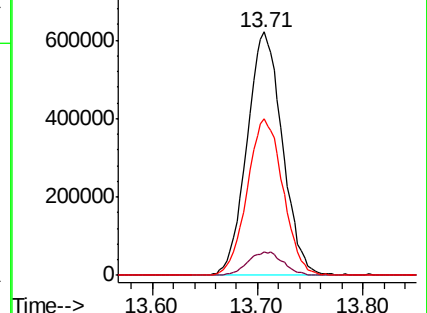
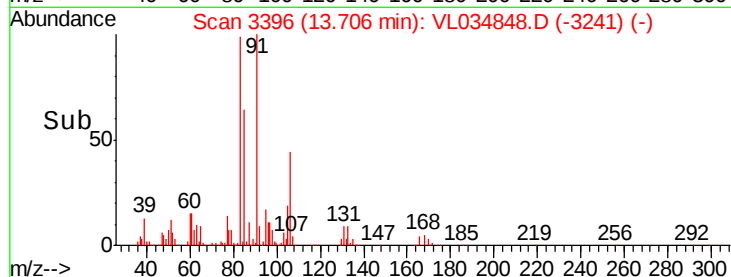
85 65.4 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.104 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL034848.D

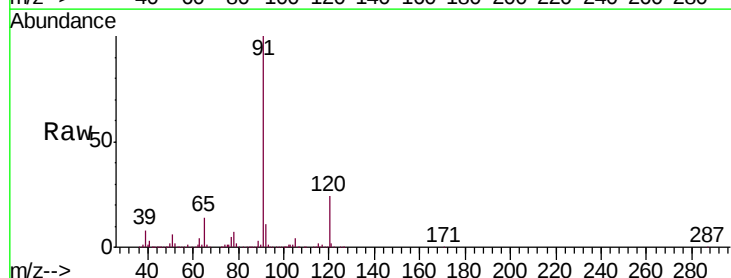
Acq: 9 Mar 2020 20:25

Tgt Ion: 120 Resp: 843903

Ion Ratio Lower Upper

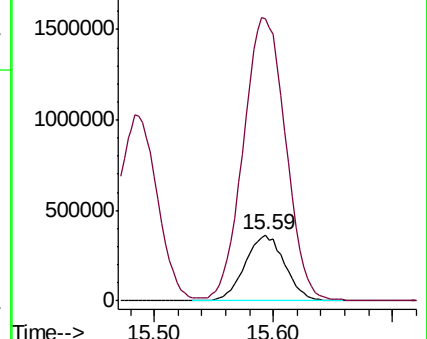
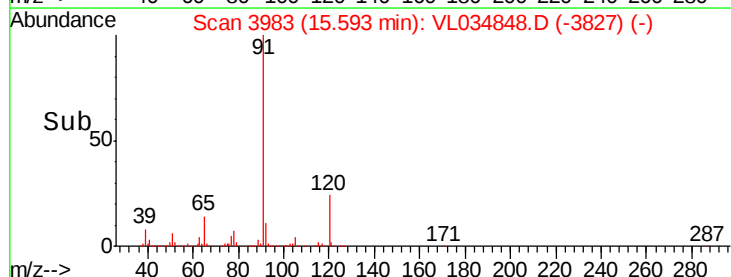
120 100

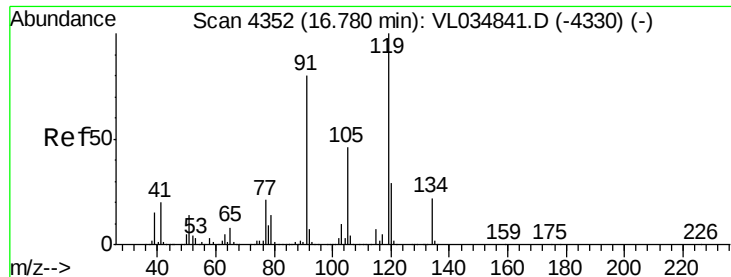
91 457.1 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

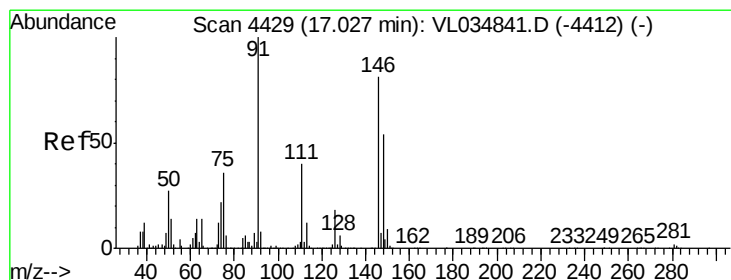
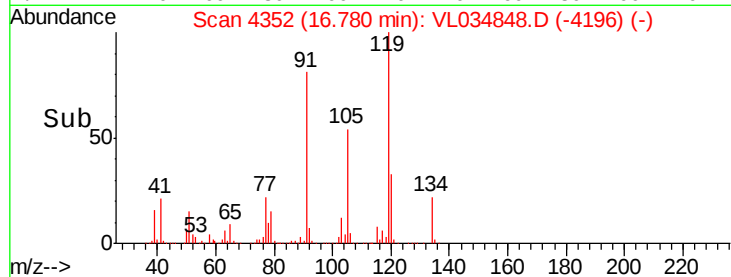
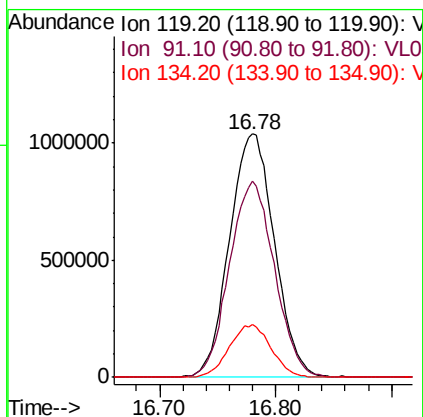
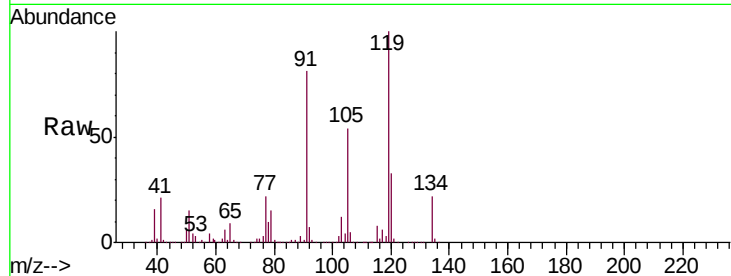




#65
tert-Butylbenzene
Concen: 6.960 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

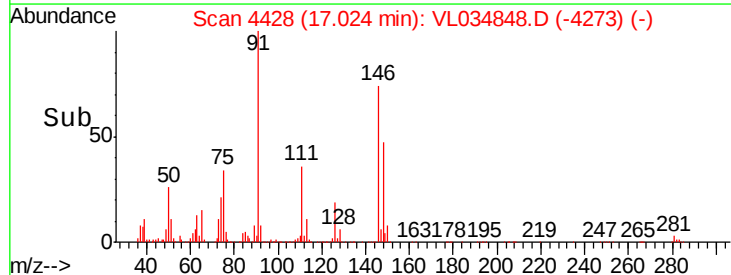
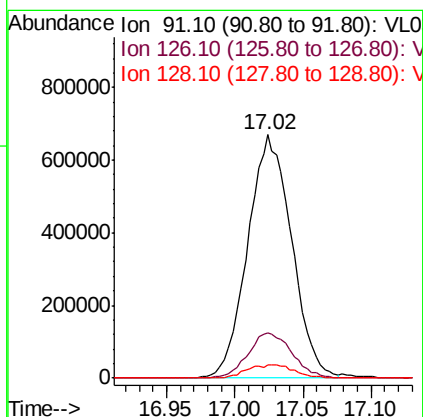
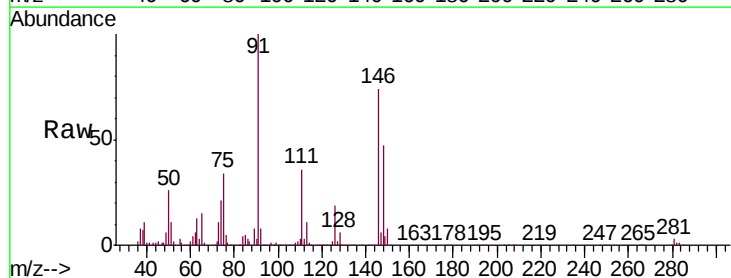
Instrument :
MSVOA_L
ClientSampleId :
BFB

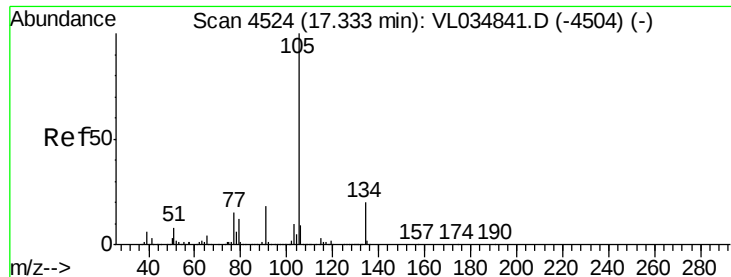
Tgt Ion: 119 Resp: 2777268
Ion Ratio Lower Upper
119 100
91 81.4 64.9 97.3
134 20.4 15.9 23.9



#66
Benzyl Chloride
Concen: 8.941 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 91 Resp: 1487483
Ion Ratio Lower Upper
91 100
126 18.8 14.7 22.1
128 5.9 4.7 7.1

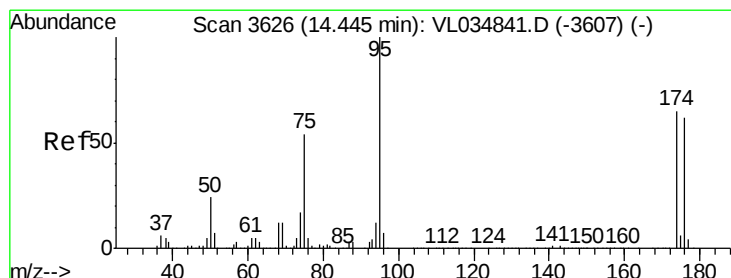
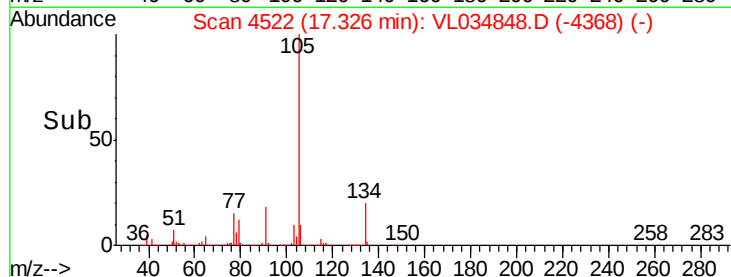
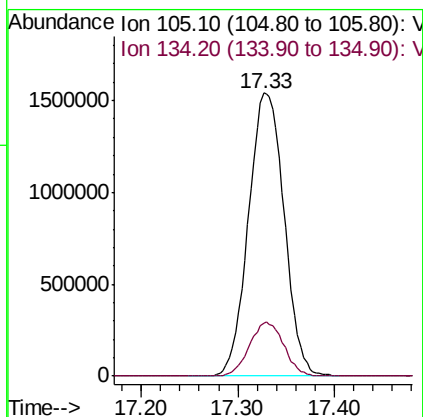
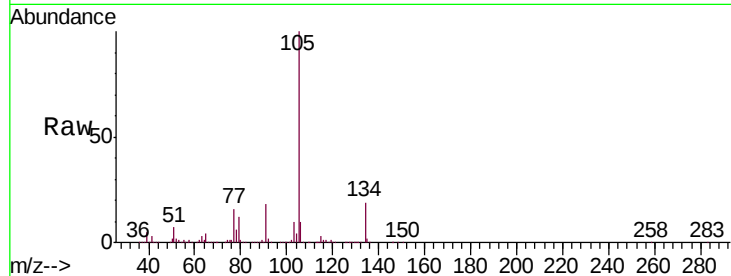




#67
 sec-Butylbenzene
 Concen: 7.135 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

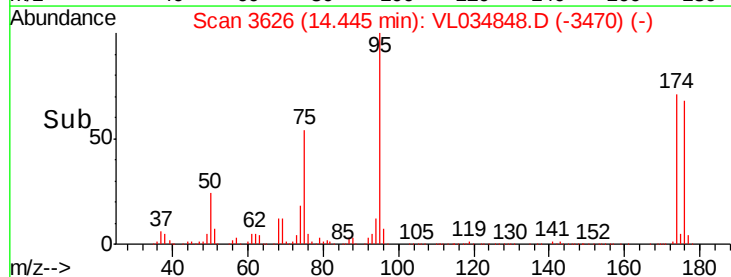
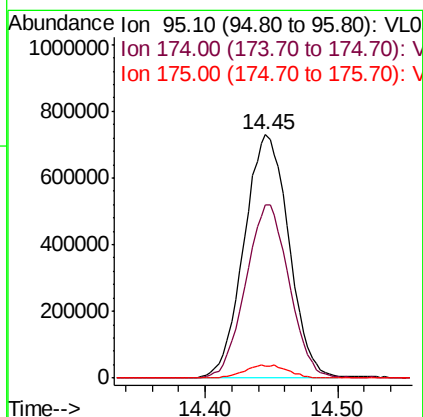
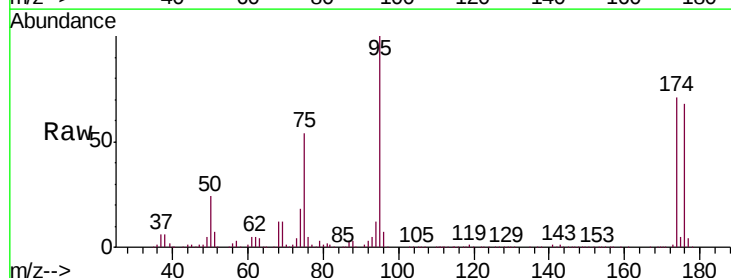
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

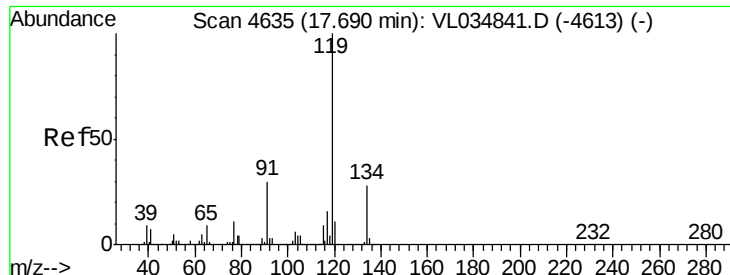
Tgt Ion: 105 Resp: 3947554
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.047 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 95 Resp: 1710209
 Ion Ratio Lower Upper
 95 100
 174 69.7 55.2 82.8
 175 5.4 4.3 6.5

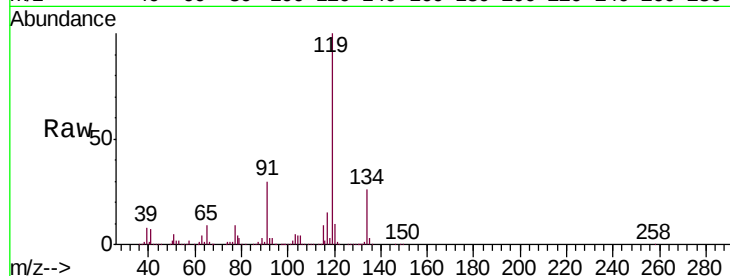




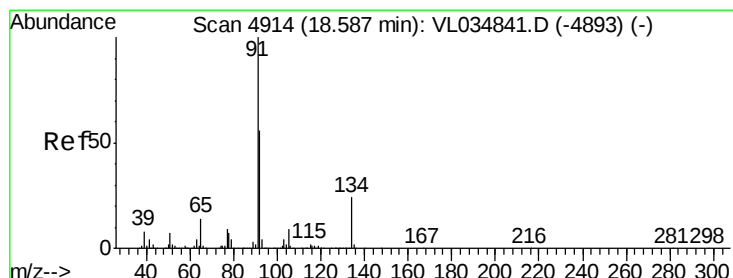
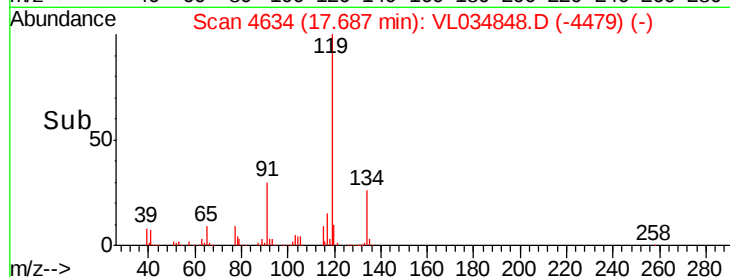
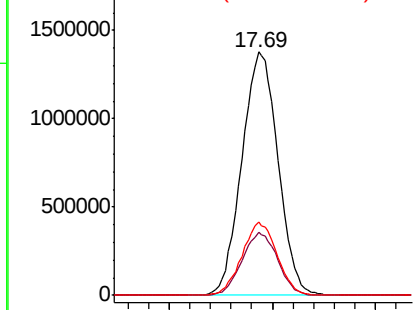
#69
p-Isopropyltoluene
Concen: 7.231 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 119 Resp: 3354504
Ion Ratio Lower Upper
119 100
134 25.4 20.6 30.8
91 29.3 23.4 35.2

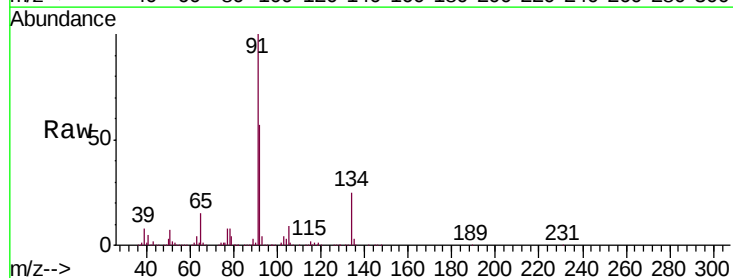


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

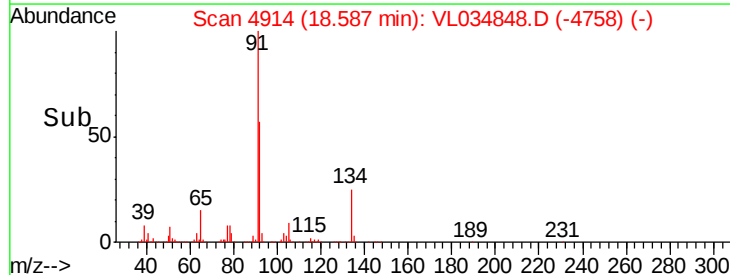
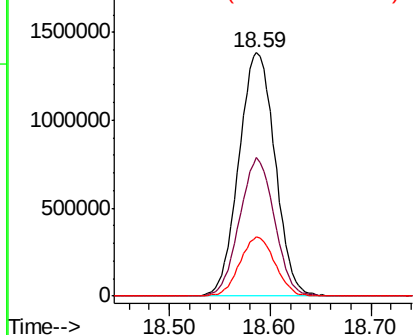


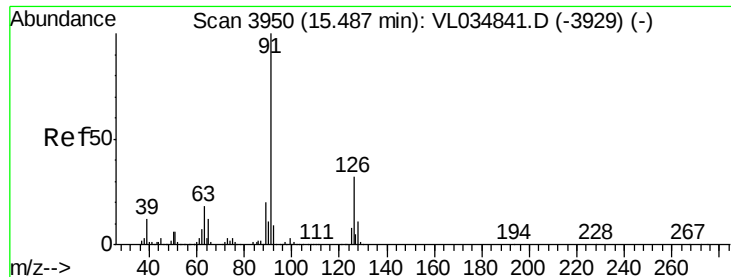
#70
n-Butylbenzene
Concen: 7.252 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 91 Resp: 3432647
Ion Ratio Lower Upper
91 100
92 54.9 43.8 65.6
134 23.6 19.0 28.4



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: 7.042 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

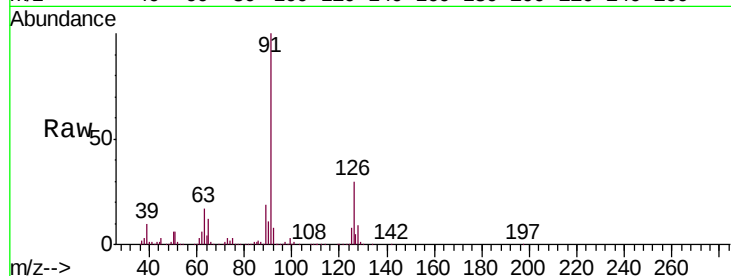
BFB

Tgt Ion: 91 Resp: 2434007

Ion Ratio Lower Upper

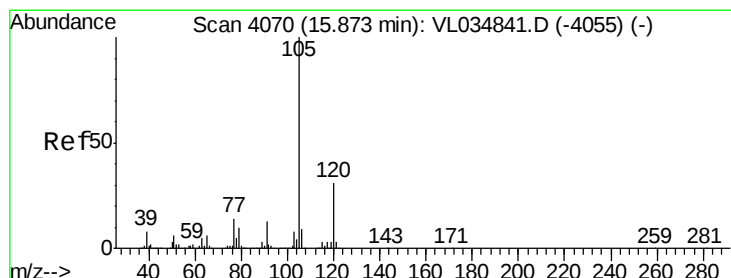
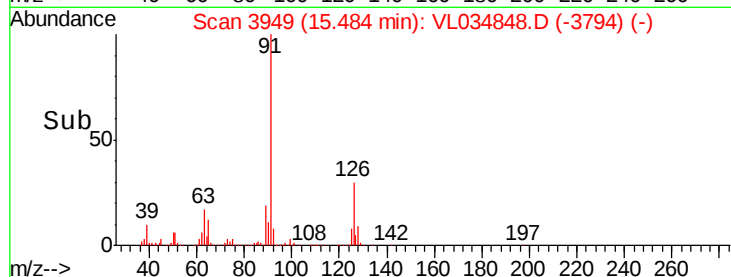
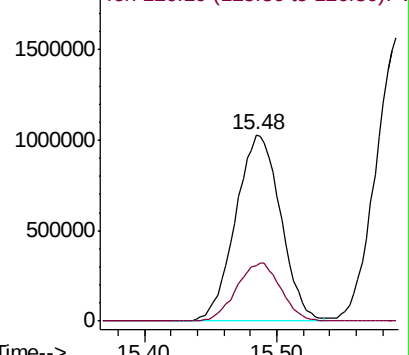
91 100

126 30.8 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.260 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Tgt Ion: 105 Resp: 2588103

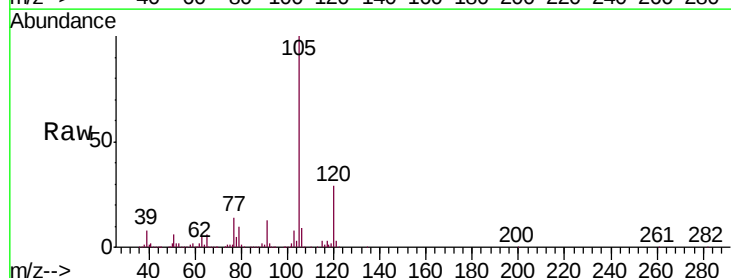
Ion Ratio Lower Upper

105 100

120 29.4 23.7 35.5

91 12.3 10.5 15.7

77 13.7 11.1 16.7

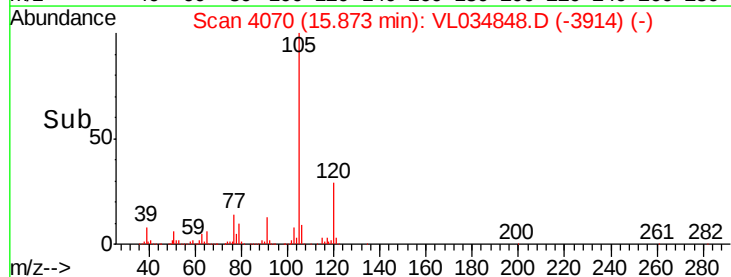
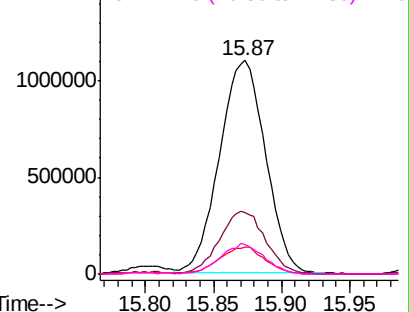


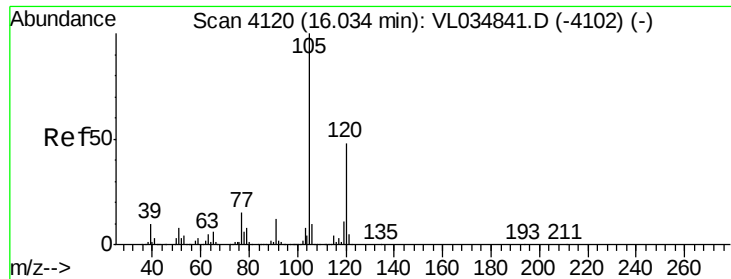
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

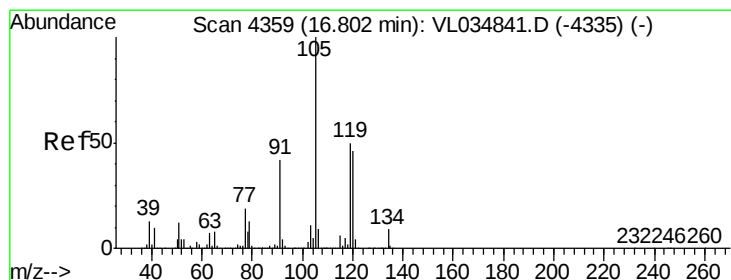
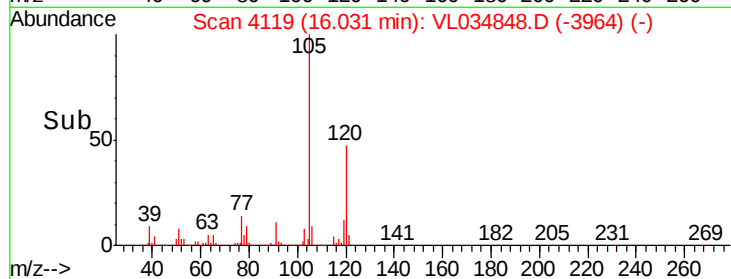
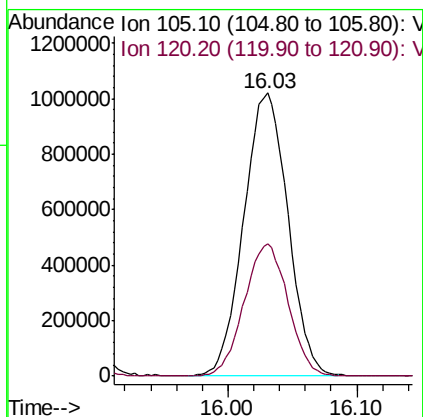
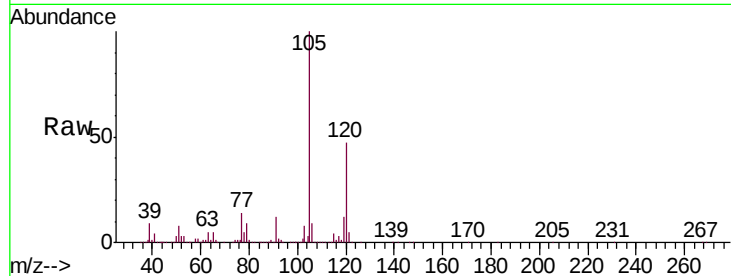




#73
 1,3,5-Trimethylbenzene
 Concen: 7.272 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

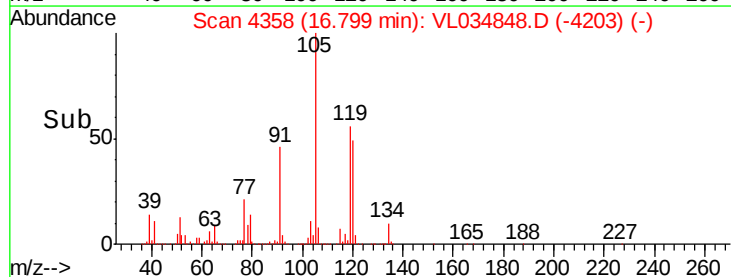
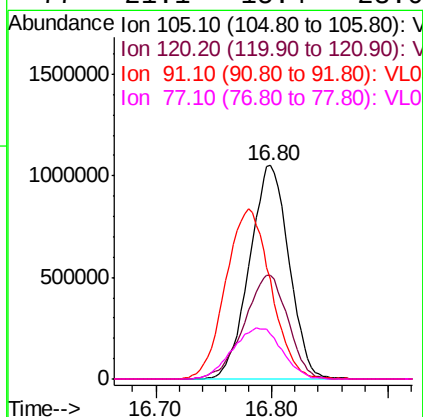
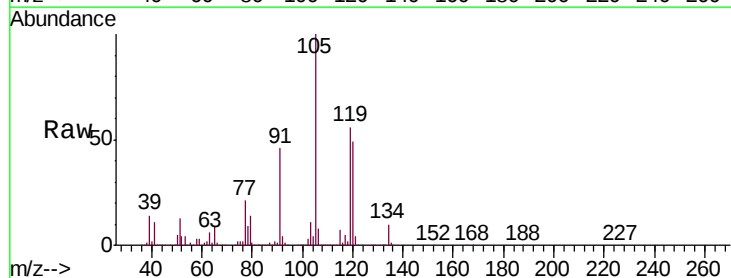
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

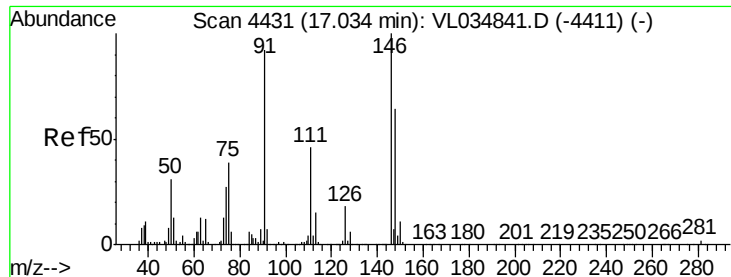
Tgt Ion:105 Resp: 2426871
 Ion Ratio Lower Upper
 105 100
 120 46.8 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 7.226 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion:105 Resp: 2484396
 Ion Ratio Lower Upper
 105 100
 120 48.8 37.0 55.4
 91 46.1 33.8 50.6
 77 21.1 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 7.116 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

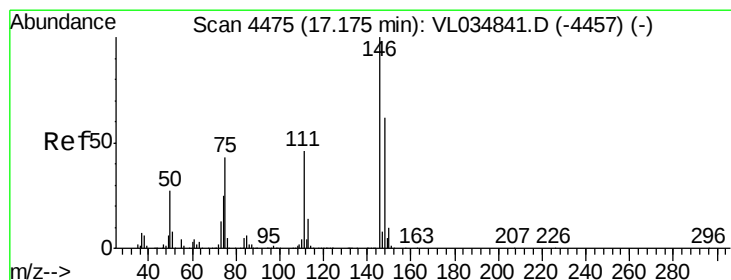
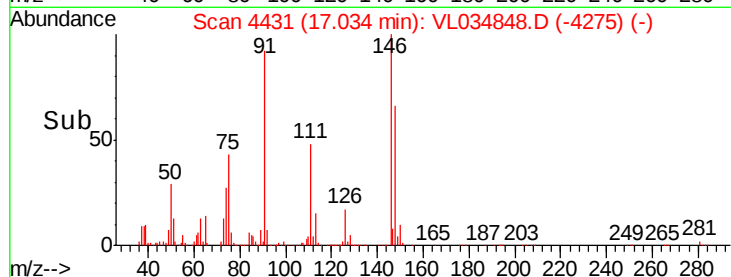
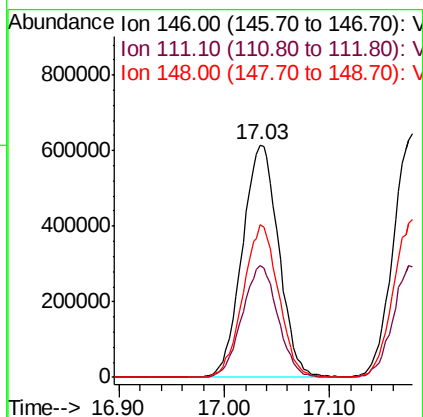
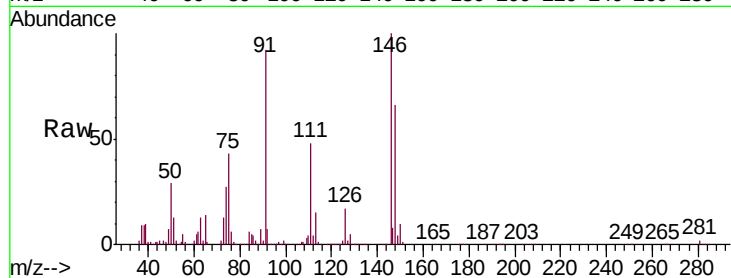
Tgt Ion:146 Resp: 1475280

Ion Ratio Lower Upper

146 100

111 47.2 23.9 71.7

148 64.0 32.5 97.5



#76

1,4-Dichlorobenzene

Concen: 7.201 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

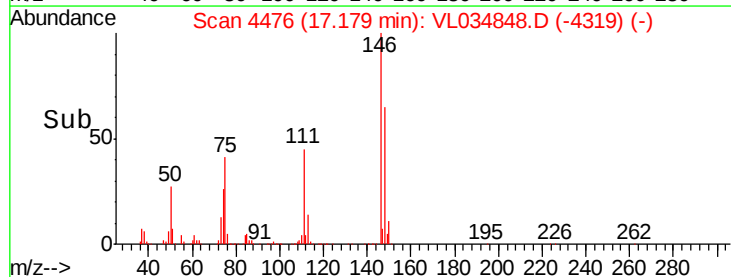
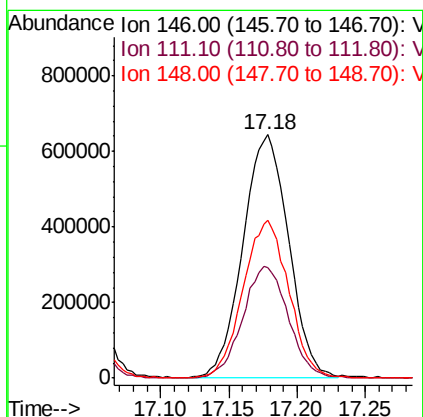
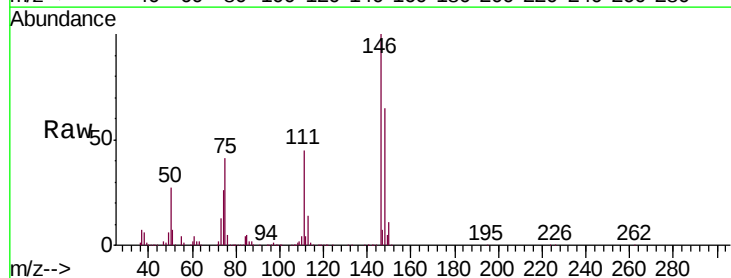
Tgt Ion:146 Resp: 1489612

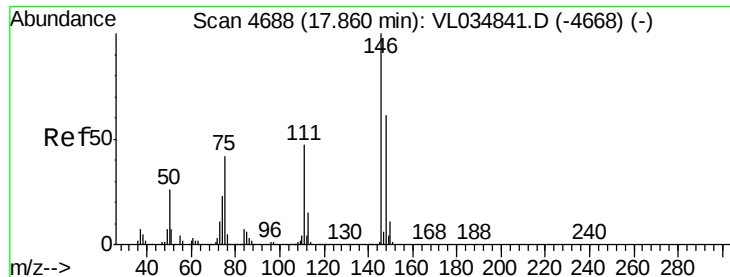
Ion Ratio Lower Upper

146 100

111 46.2 23.4 70.2

148 65.5 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 7.254 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

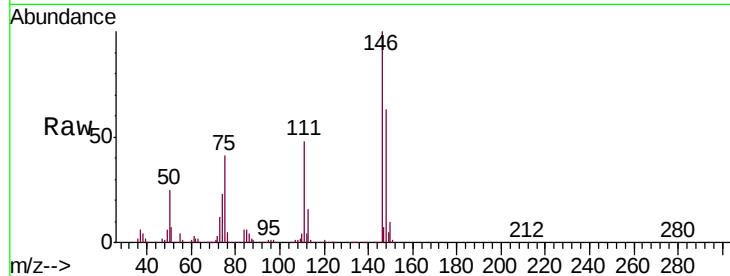
Tgt Ion:146 Resp: 1457652

Ion Ratio Lower Upper

146 100

111 48.5 23.8 71.4

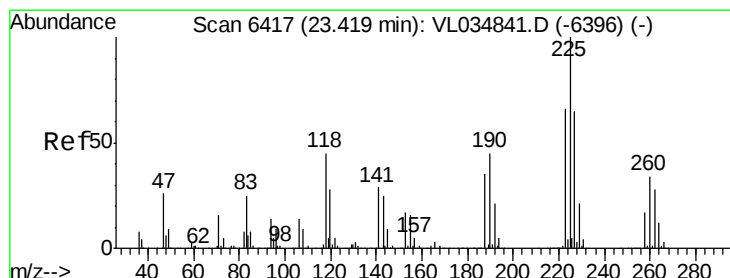
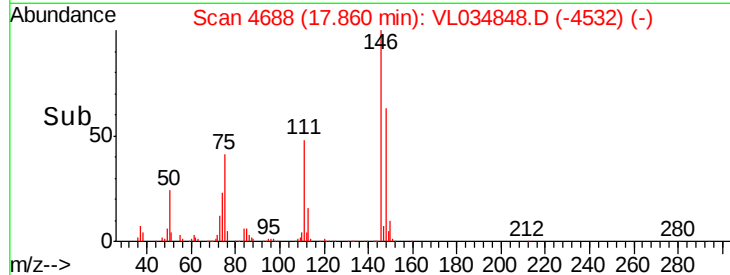
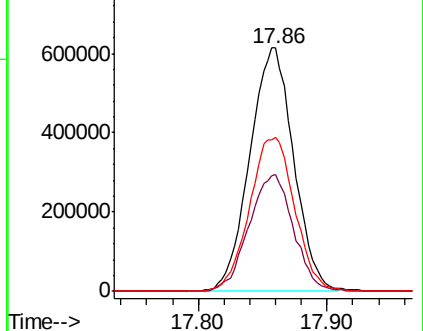
148 65.1 31.6 94.8



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



#78

Hexachloro-1,3-Butadiene

Concen: 3.830 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

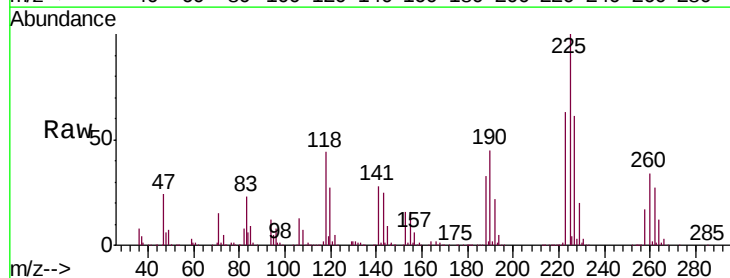
Tgt Ion:225 Resp: 642835

Ion Ratio Lower Upper

225 100

223 131.0 51.1 76.7#

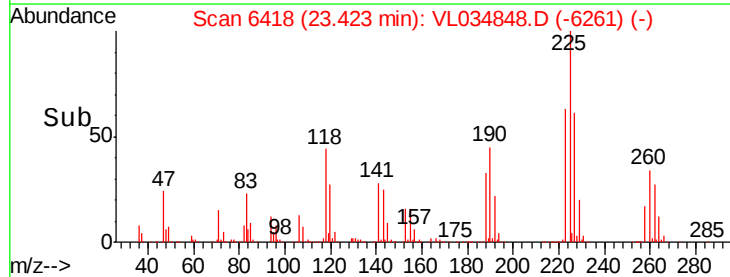
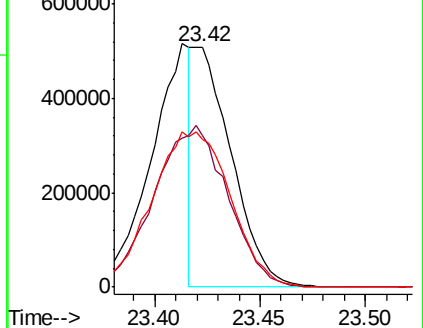
227 0.0 51.8 77.6#

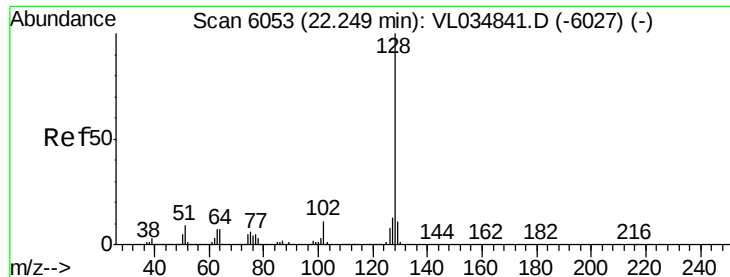


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 5.745 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

BFB

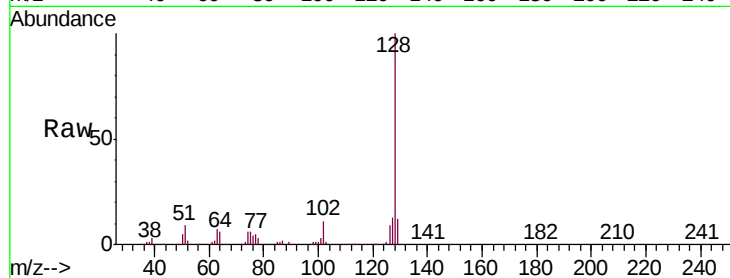
Tgt Ion:128 Resp: 1540282

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

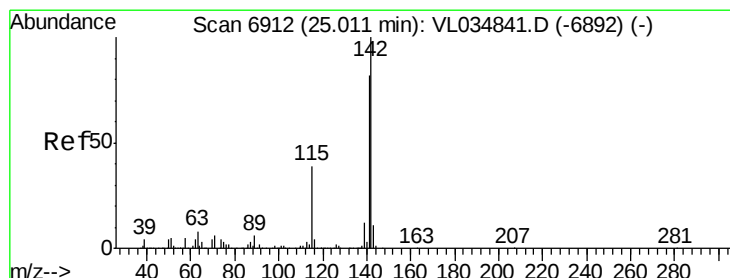
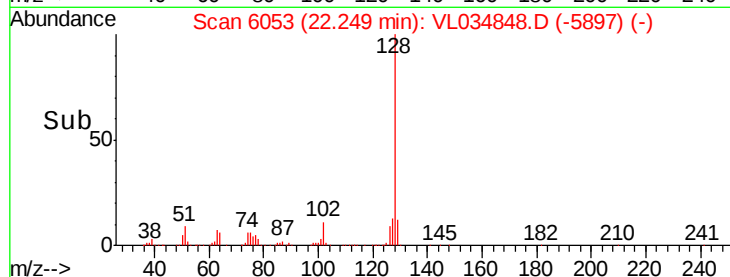
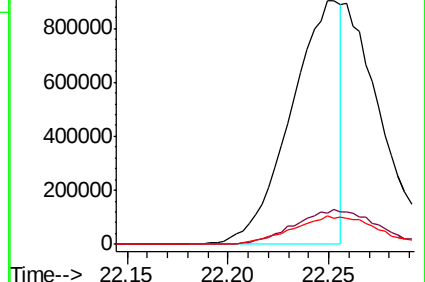
129 11.7 8.6 13.0



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: 8.709 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

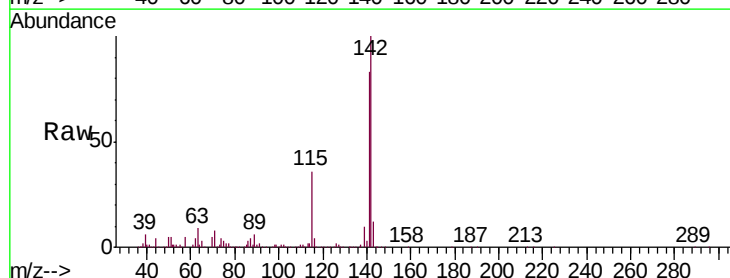
Tgt Ion:142 Resp: 610238

Ion Ratio Lower Upper

142 100

141 82.6 68.9 103.3

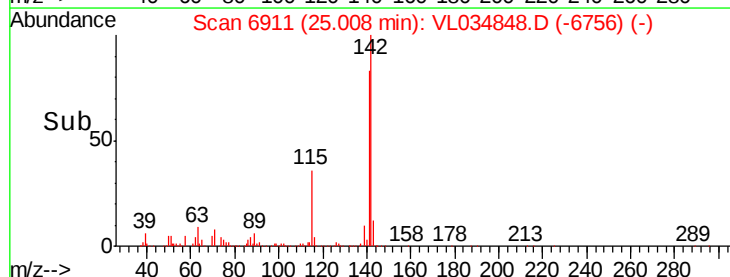
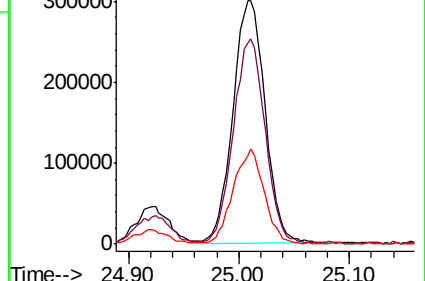
115 37.9 33.2 49.8

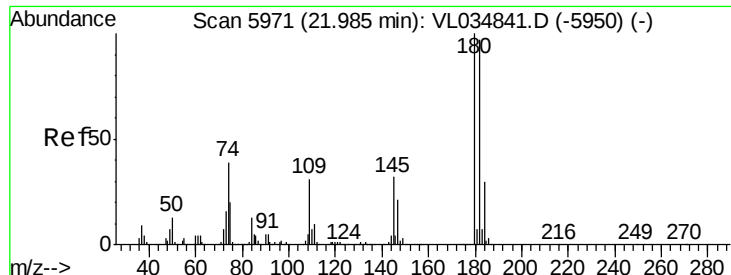


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

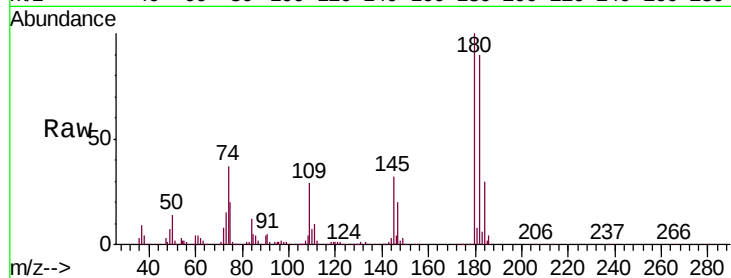




#81
 1,2,4-Trichlorobenzene
 Concen: 9.118 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1553142
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 115.0
 184 31.3 25.0 37.4



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

