

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034381.D
 Acq On : 19 Nov 2019 15:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Nov 20 04:04:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1052906	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2194760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2780889	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1828162	7.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1707789	8.966	ppbv	98
3) Chlorodifluoromethane	2.96	51	1172530	8.925	ppbv	98
4) Chloromethane	3.11	50	727096	9.383	ppbv	99
5) Vinyl Chloride	3.23	62	655600	9.030	ppbv	96
6) Bromomethane	3.45	94	350445	9.593	ppbv	94
7) Chloroethane	3.54	64	247268	9.384	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1489264	8.706	ppbv	98
9) Propene	2.98	41	565901	9.703	ppbv	100
10) Heptane	8.16	43	1434481	9.530	ppbv	99
11) Trichlorofluoromethane	3.93	101	1645490	8.680	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1128337	8.963	ppbv	99
13) Ethanol	3.58	45	125226	7.331	ppbv	97
14) Bromoethene	3.72	108	474893	9.277	ppbv	98
15) Acetone	3.84	43	1301516	8.632	ppbv	100
16) 1,3-Butadiene	3.30	39	617269	9.399	ppbv	100
17) tert-Butyl alcohol	4.28	59	1264088	9.974	ppbv	99
18) 1,1-Dichloroethene	4.28	96	504983	9.170	ppbv	98
19) Isopropyl Alcohol	3.96	45	997085	9.093	ppbv	99
20) Methylene Chloride	4.34	84	444192	8.308	ppbv	98
21) Allyl Chloride	4.40	41	878536	9.724	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	516835	9.310	ppbv	98
23) Vinyl Acetate	5.08	43	1973335	10.019	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1385221	9.156	ppbv	99
25) Ethyl Acetate	5.69	43	2451419	9.112	ppbv	99
26) Hexane	5.70	57	1059444	9.164	ppbv	99
27) Carbon Disulfide	4.54	76	1301637	10.337	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1845551	9.627	ppbv	100
29) Chloroform	5.77	83	1681786	8.983	ppbv	94
30) Cyclohexane	7.16	84	867983	9.931	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1146269	9.595	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	1669258	9.510	ppbv	99
34) 2-Butanone	5.25	43	1659314	9.185	ppbv	100
35) Carbon Tetrachloride	7.04	117	1712905	9.077	ppbv	99
36) Benzene	6.92	78	2079075	9.476	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1408872	8.644	ppbv	99
38) Trichloroethene	7.87	130	785607	8.726	ppbv	97
39) 1,2-Dichloropropane	7.65	63	855743	9.201	ppbv	98
40) 1,4-Dioxane	7.86	88	329470	8.923	ppbv #	99
41) Tetrahydrofuran	6.06	42	974269	9.615	ppbv	99
42) Bromodichloromethane	7.83	83	1832990	8.992	ppbv	99
43) Methyl Methacrylate	8.04	69	901016	9.901	ppbv	98

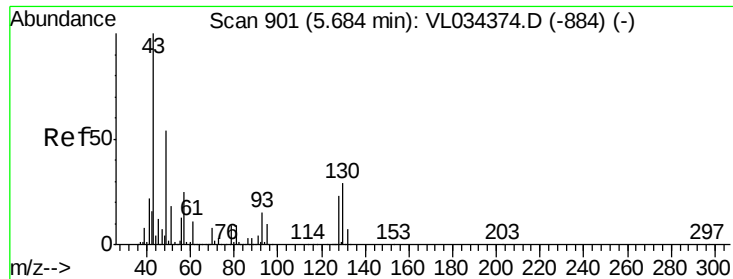
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3572805	8.911	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1218936	10.445	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1338162	10.208	ppbv	94
47) 1,1,2-Trichloroethane	9.52	97	848532	9.025	ppbv	98
48) Dibromochloromethane	10.35	129	1498288	9.281	ppbv	100
49) Bromoform	13.10	173	646821	4.488	ppbv #	22
50) 4-Methyl-2-Pentanone	8.77	43	2404784	9.200	ppbv	99
51) 2-Hexanone	10.17	43	2042388	9.328	ppbv #	100
52) Tetrachloroethene	11.27	164	786960	8.290	ppbv	96
53) Toluene	9.85	91	2370710	9.513	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1308885	9.080	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.18	131	981545	7.216	ppbv #	59
57) Chlorobenzene	12.20	112	1750102	6.962	ppbv	98
58) Ethyl Benzene	12.77	91	3187900	7.387	ppbv	100
59) m/p-Xylene	13.05	91	1958744	5.251	ppbv #	1
60) o-Xylene	13.75	91	2584109	7.006	ppbv	100
61) Styrene	13.59	104	1959228	7.366	ppbv	99
62) Isopropylbenzene	14.73	105	3384458	6.938	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1726854	6.229	ppbv	99
64) n-propylbenzene	15.62	120	874494	6.903	ppbv	97
65) tert-Butylbenzene	16.81	119	2927392	6.681	ppbv	100
66) Benzyl Chloride	17.06	91	1355086	8.039	ppbv	100
67) sec-Butylbenzene	17.36	105	4099807	6.689	ppbv	99
69) p-Isopropyltoluene	17.72	119	3413128	6.710	ppbv	99
70) n-Butylbenzene	18.62	91	3670812	6.707	ppbv	99
71) 2-Chlorotoluene	15.52	91	2667671	6.859	ppbv	100
72) 4-Ethyltoluene	15.90	105	2967543	6.963	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2824185	6.770	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2882838	6.506	ppbv	96
75) 1,3-Dichlorobenzene	17.07	146	1632589	6.410	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1653413	6.685	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1616913	6.572	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1564492	7.402	ppbv	99
79) Naphthalene	22.29	128	3164060	8.237	ppbv	97
80) Naphthalene, 2-methyl-	25.04	142	1611281	9.289	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1836322	7.781	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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ClientSampleId :

BFB

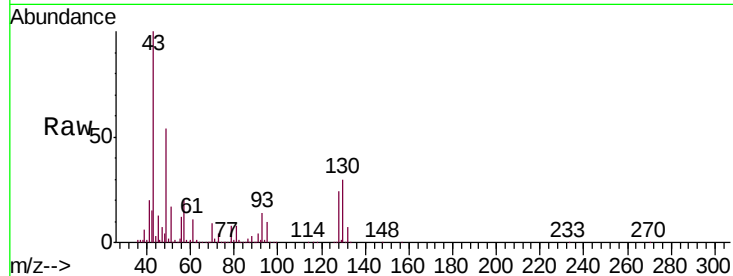
Tgt Ion: 49 Resp: 1052906

Ion Ratio Lower Upper

49 100

128 44.2 21.8 65.3

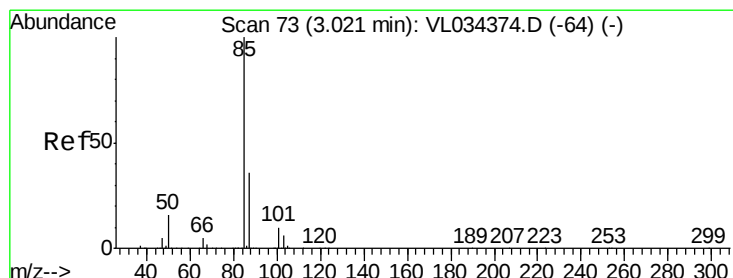
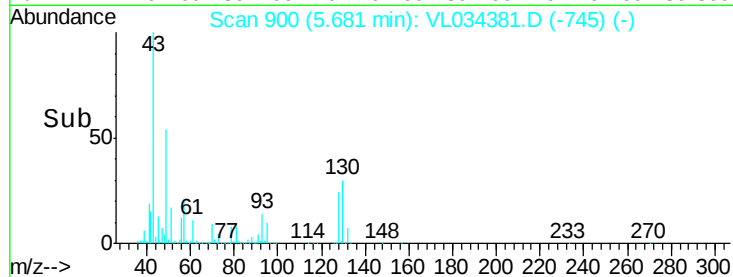
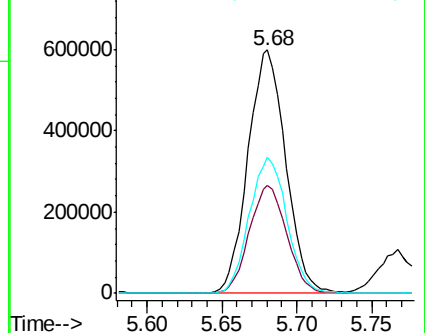
130 56.2 28.0 84.0



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: 8.966 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034381.D

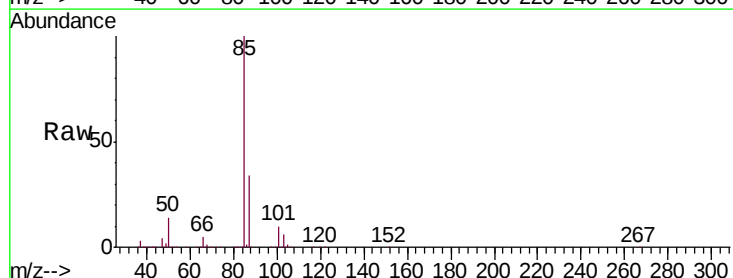
Acq: 19 Nov 2019 15:26

Tgt Ion: 85 Resp: 1707789

Ion Ratio Lower Upper

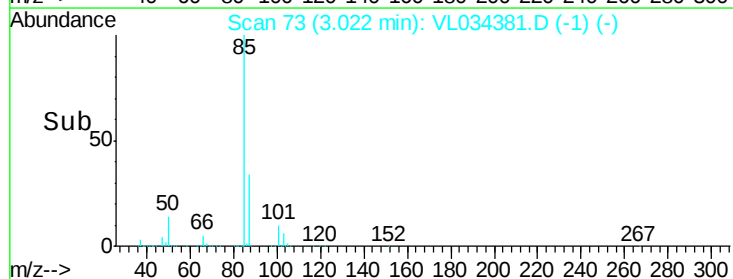
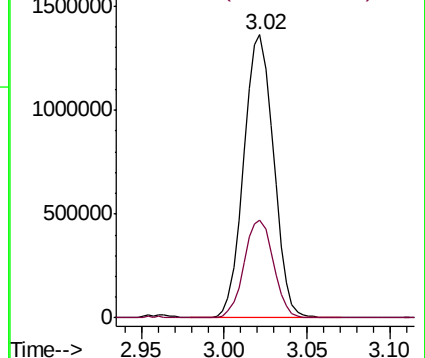
85 100

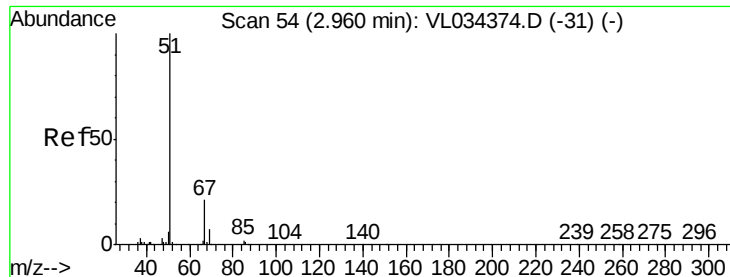
87 34.5 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

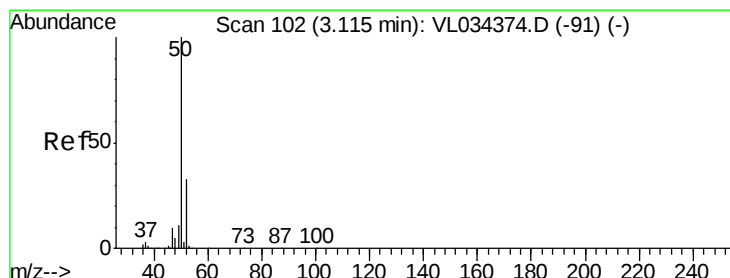
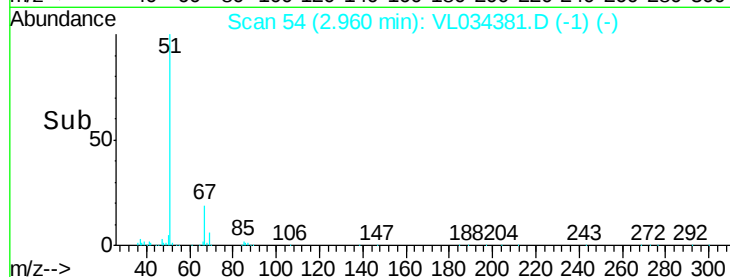
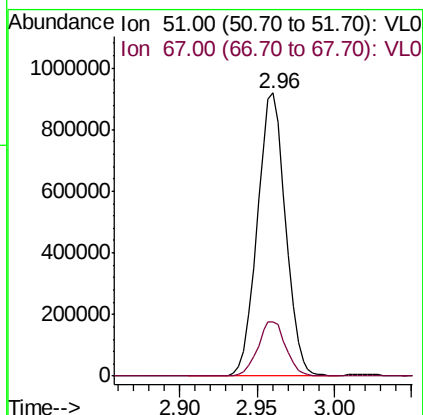
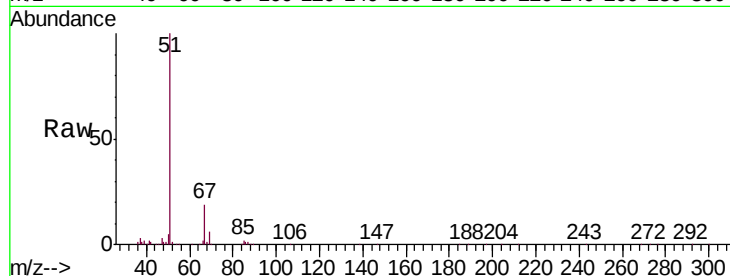




#3
Chlorodifluoromethane
Concen: 8.925 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

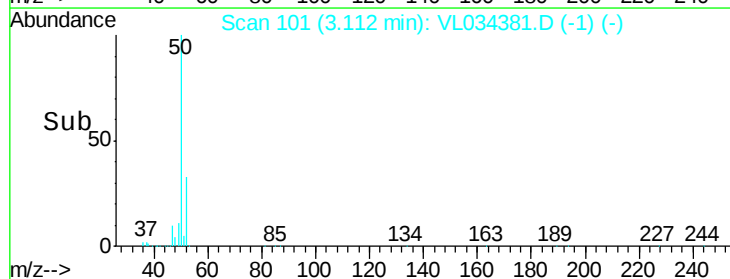
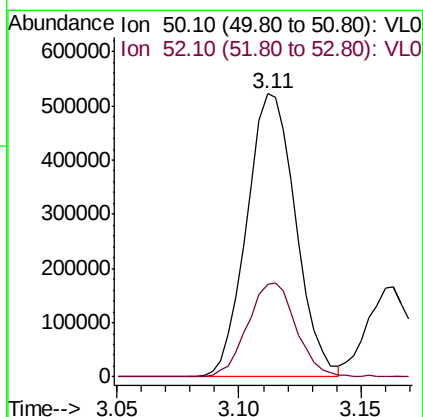
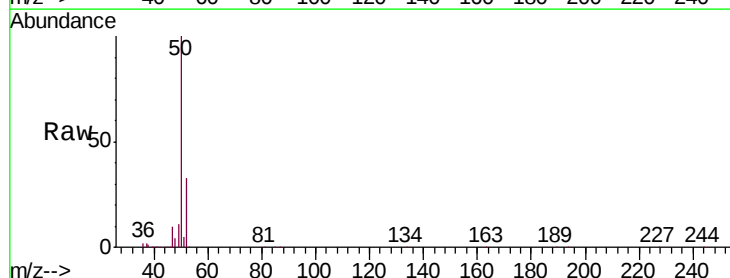
Instrument :
MSVOA_L
ClientSampleId :
BFB

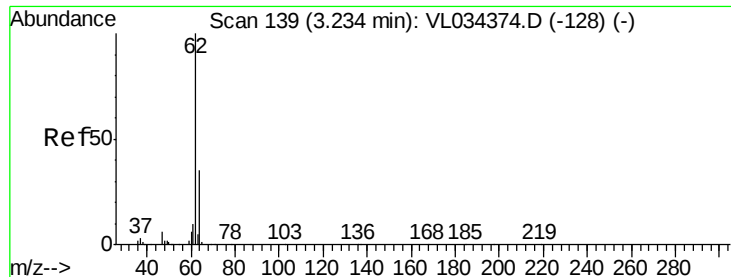
Tgt Ion: 51 Resp: 1172530
Ion Ratio Lower Upper
51 100
67 19.2 16.2 24.2



#4
Chloromethane
Concen: 9.383 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 50 Resp: 727096
Ion Ratio Lower Upper
50 100
52 32.9 26.8 40.2





#5

Vinyl Chloride

Concen: 9.030 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampled :

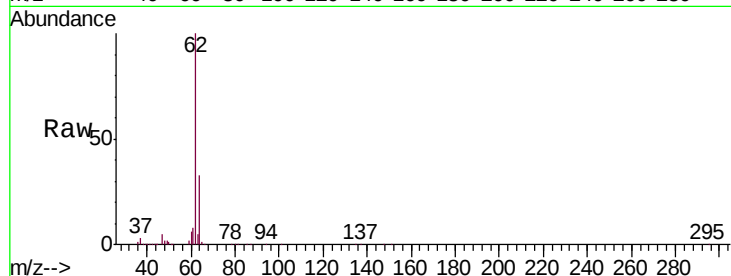
BFB

Tgt Ion: 62 Resp: 655600

Ion Ratio Lower Upper

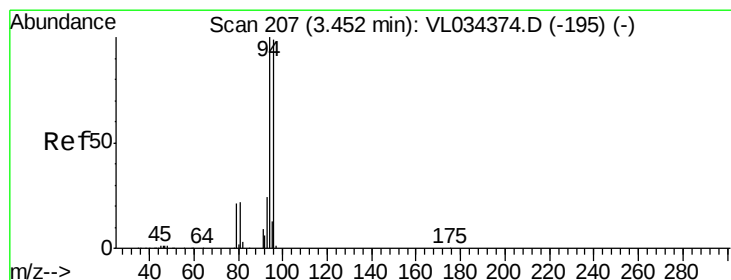
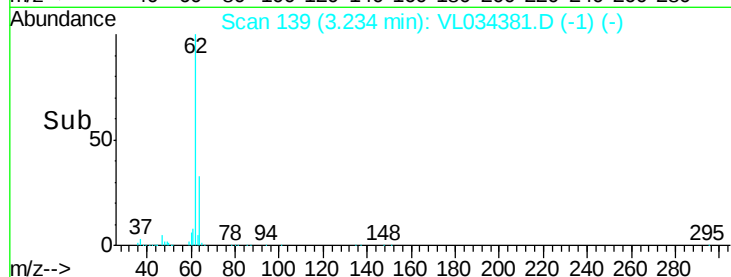
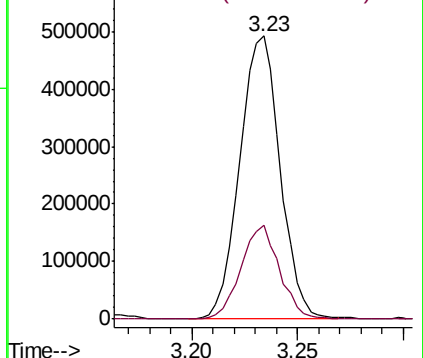
62 100

64 33.2 28.4 42.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.593 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL034381.D

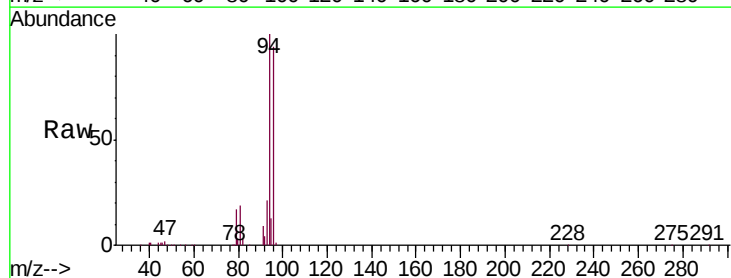
Acq: 19 Nov 2019 15:26

Tgt Ion: 94 Resp: 350445

Ion Ratio Lower Upper

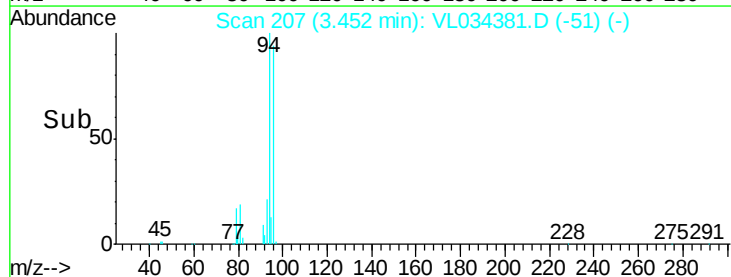
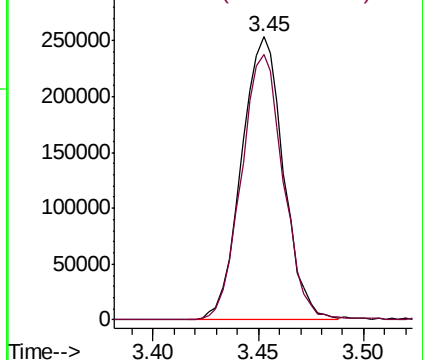
94 100

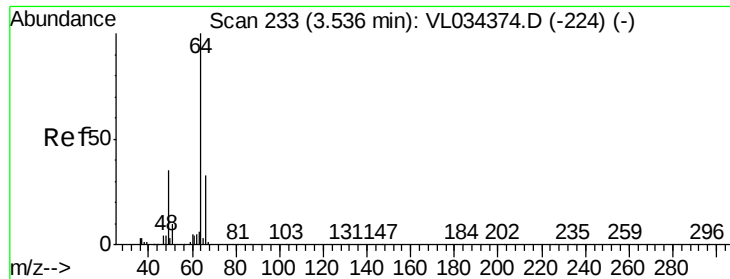
96 93.6 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.384 ppbv

RT: 3.54 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

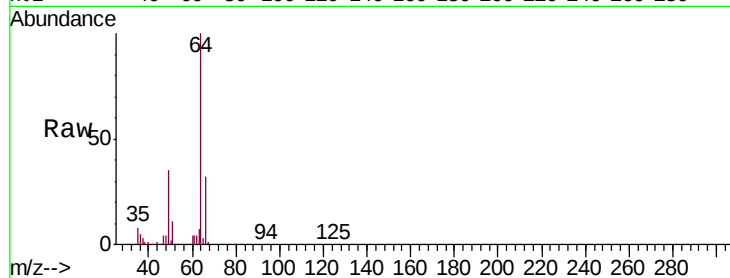
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Tgt Ion: 64 Resp: 247268

Ion Ratio Lower Upper

64 100

66 31.5 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

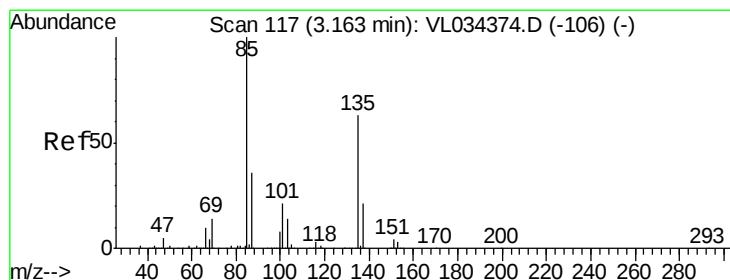
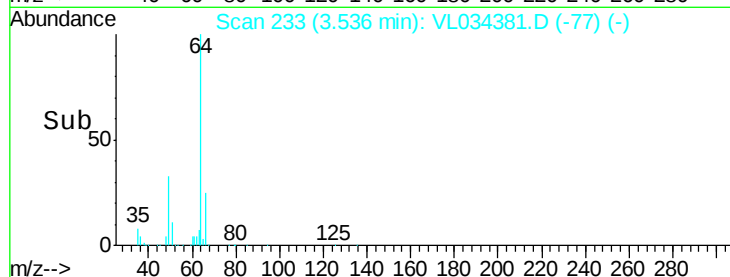
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.706 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.00 min

Lab File: VL034381.D

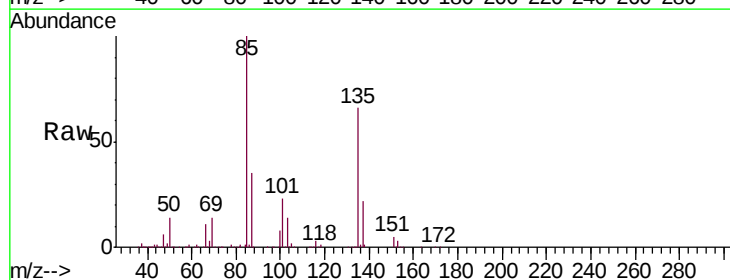
Acq: 19 Nov 2019 15:26

Tgt Ion: 85 Resp: 1489264

Ion Ratio Lower Upper

85 100

135 65.8 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

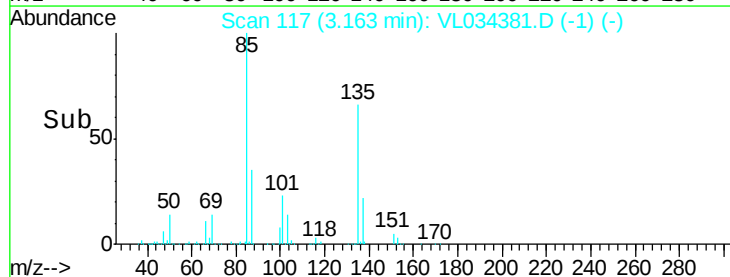
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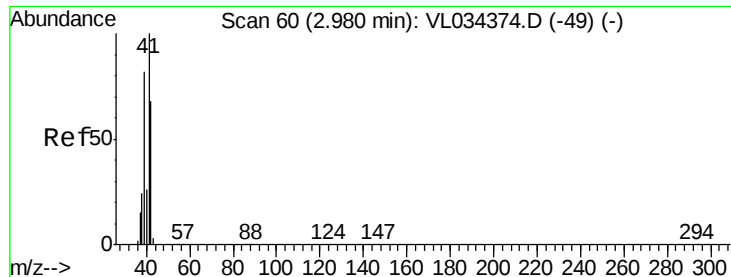
1000000

500000

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Time-->





#9

Propene

Concen: 9.703 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampled :

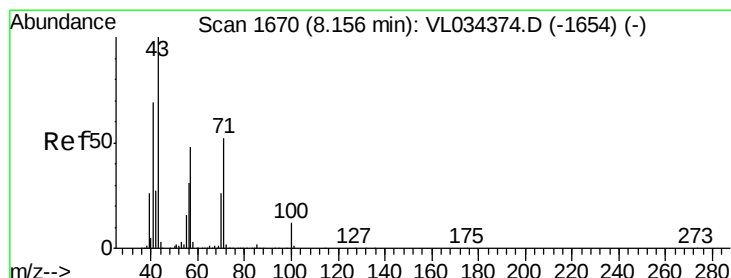
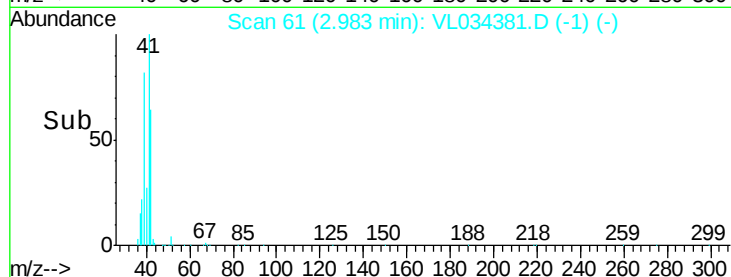
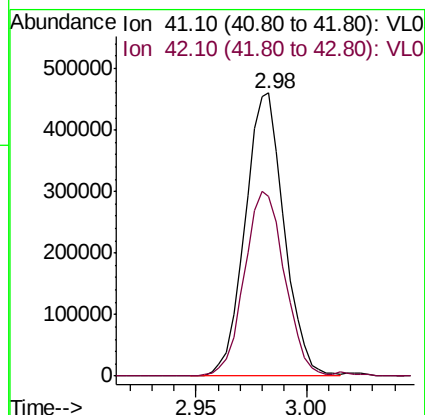
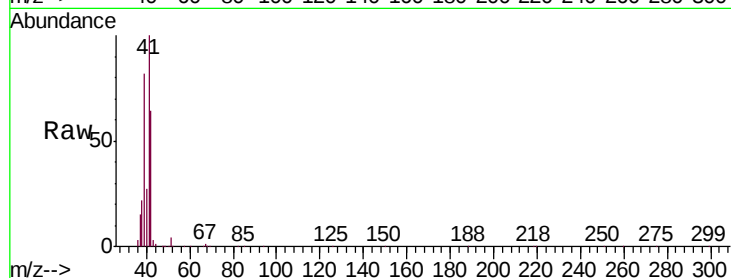
BFB

Tgt Ion: 41 Resp: 565901

Ion Ratio Lower Upper

41 100

42 68.2 54.6 82.0



#10

Heptane

Concen: 9.530 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VL034381.D

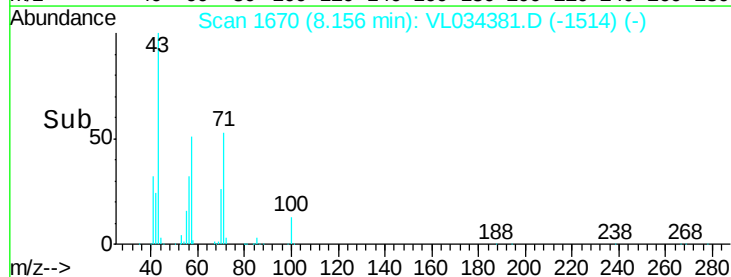
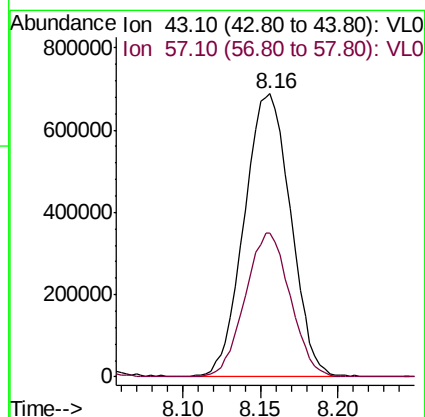
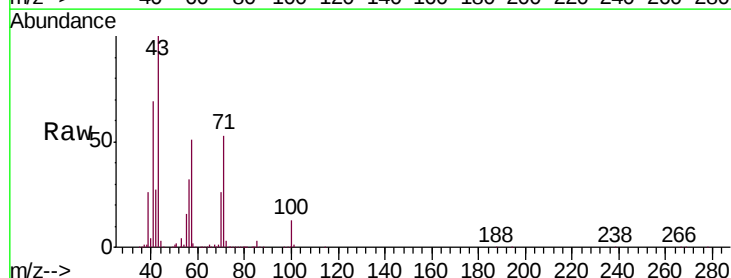
Acq: 19 Nov 2019 15:26

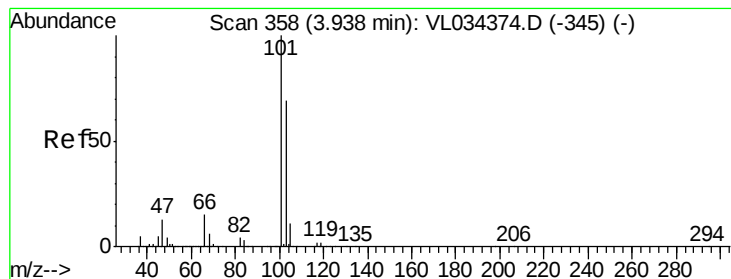
Tgt Ion: 43 Resp: 1434481

Ion Ratio Lower Upper

43 100

57 49.3 40.2 60.2





#11

Trichlorofluoromethane

Concen: 8.680 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

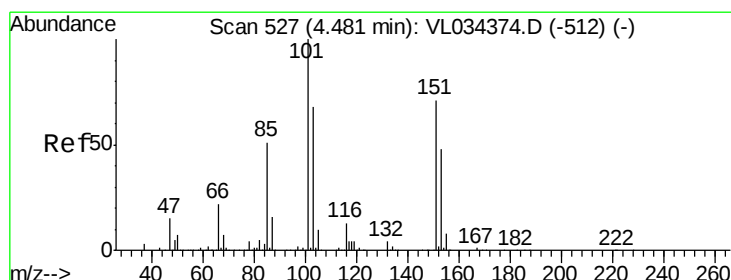
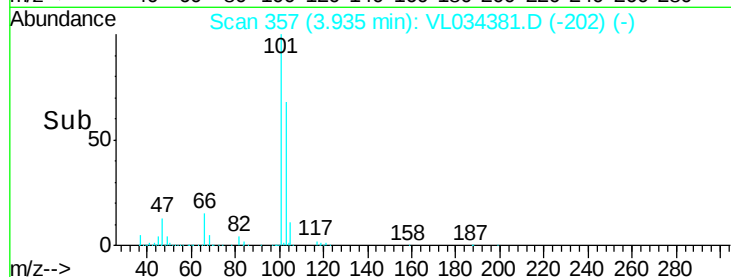
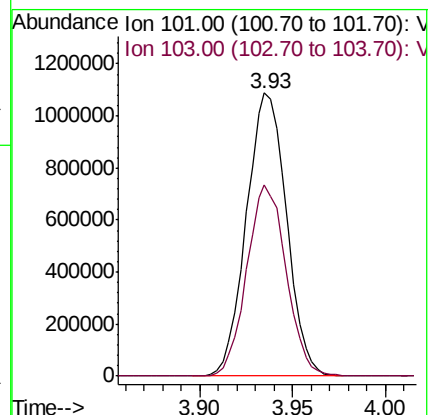
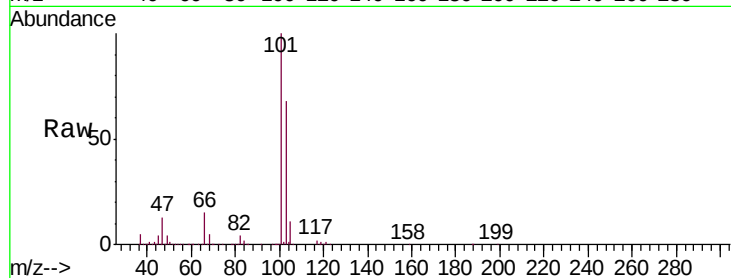
BFB

Tgt Ion:101 Resp: 1645490

Ion Ratio Lower Upper

101 100

103 67.6 55.4 83.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.963 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL034381.D

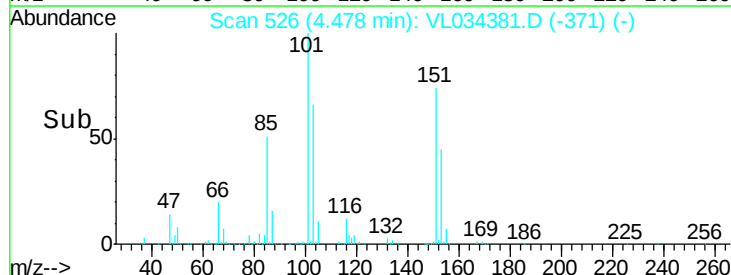
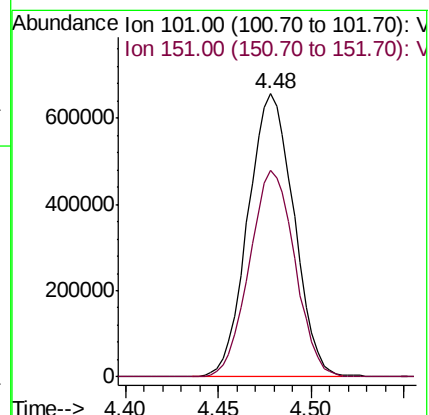
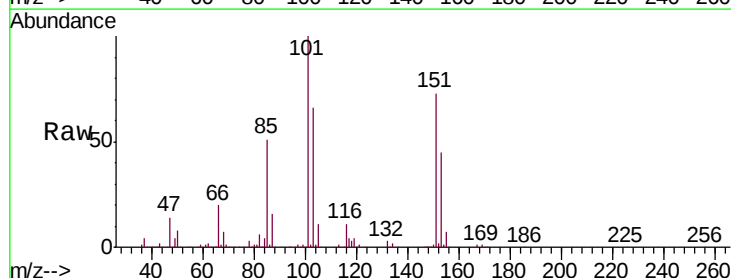
Acq: 19 Nov 2019 15:26

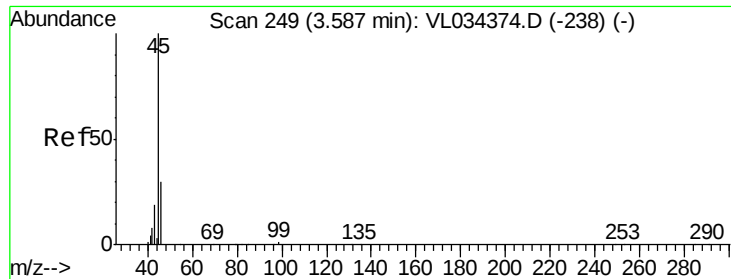
Tgt Ion:101 Resp: 1128337

Ion Ratio Lower Upper

101 100

151 72.5 57.4 86.2

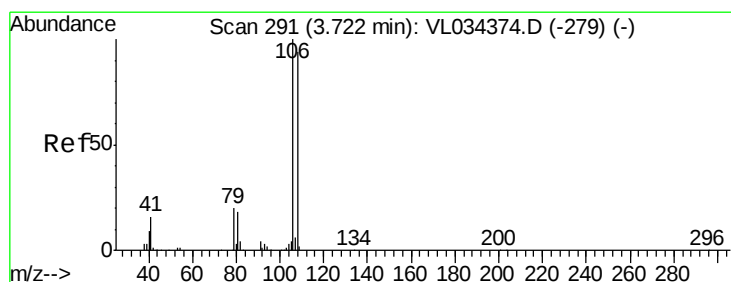
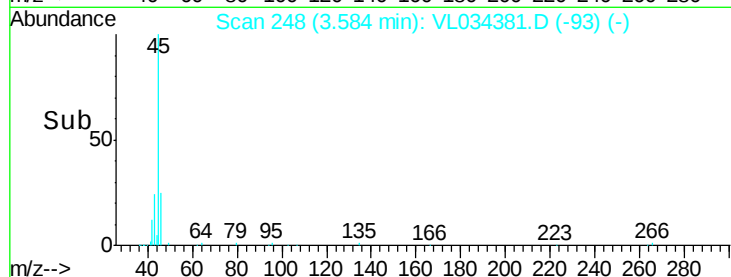
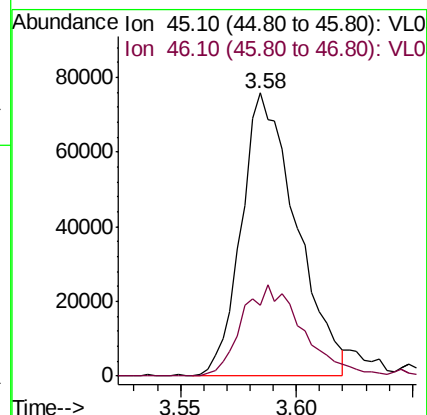
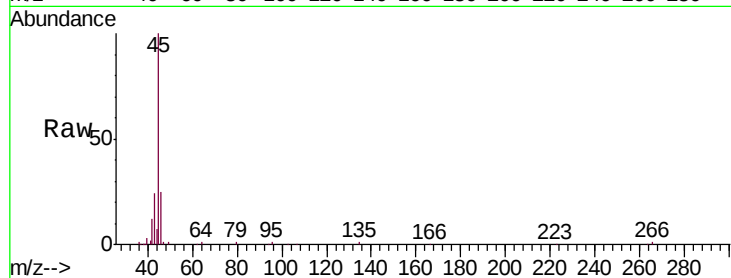




#13
Ethanol
Concen: 7.331 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

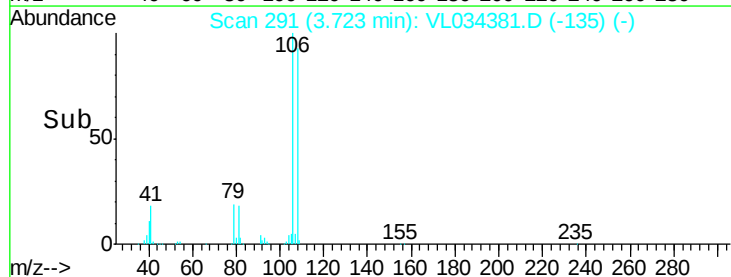
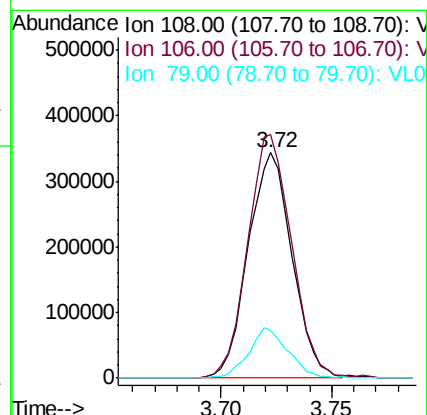
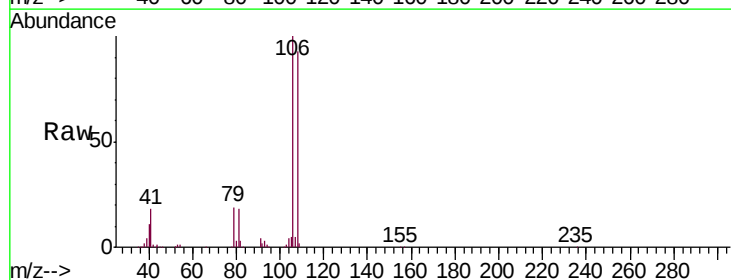
Instrument :
MSVOA_L
ClientSampleId :
BFB

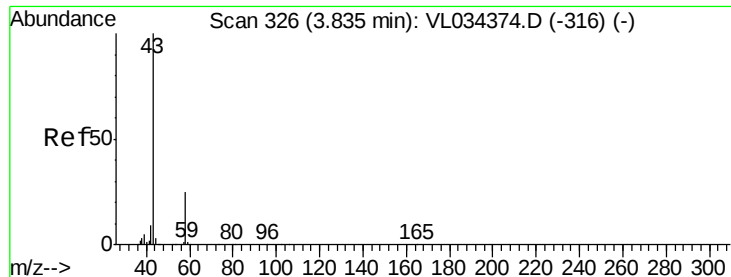
Tgt Ion: 45 Resp: 125226
Ion Ratio Lower Upper
45 100
46 36.5 13.8 55.4



#14
Bromoethene
Concen: 9.277 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 108 Resp: 474893
Ion Ratio Lower Upper
108 100
106 108.6 85.7 128.5
79 20.3 17.2 25.8

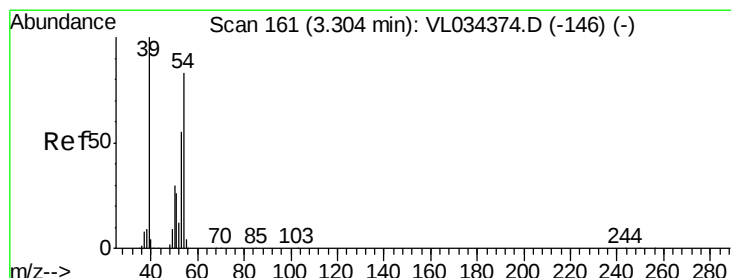
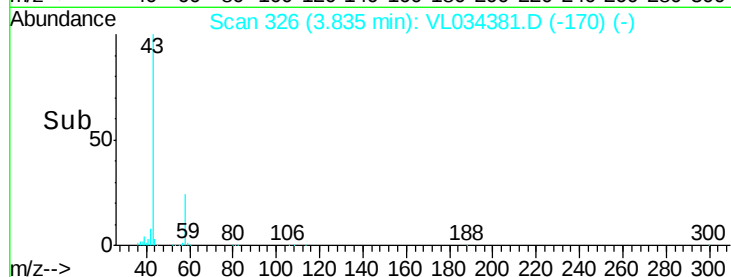
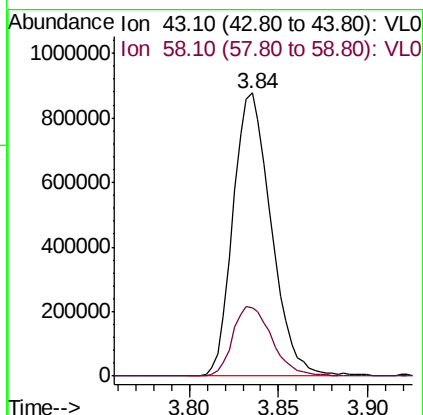
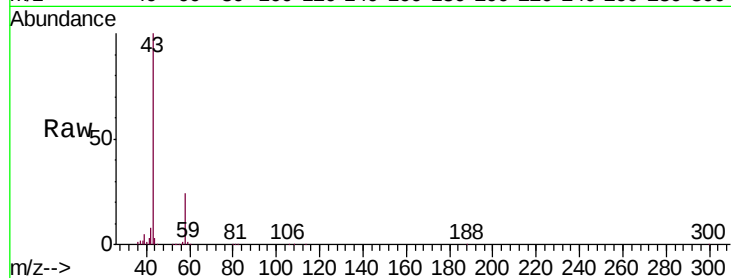




#15
Acetone
Concen: 8.632 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

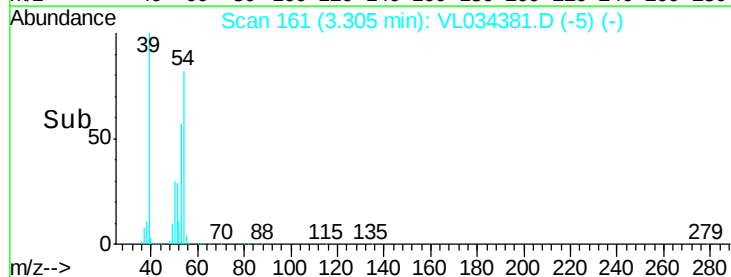
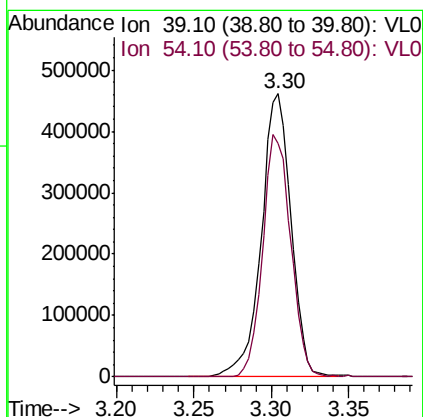
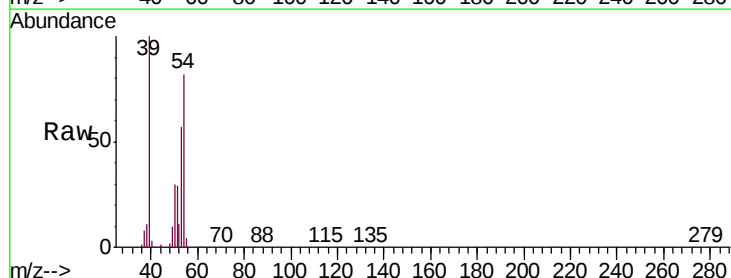
Instrument :
MSVOA_L
ClientSampleId :
BFB

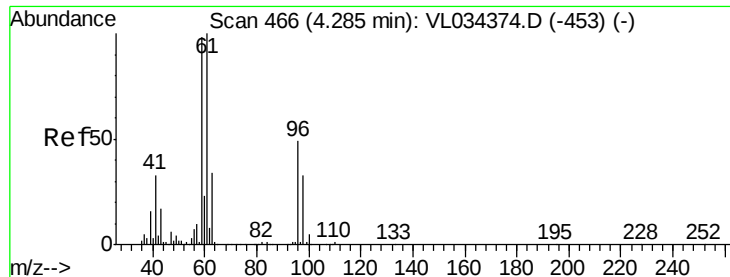
Tgt Ion: 43 Resp: 1301516
Ion Ratio Lower Upper
43 100
58 25.4 20.2 30.4



#16
1,3-Butadiene
Concen: 9.399 ppbv
RT: 3.30 min Scan# 161
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 39 Resp: 617269
Ion Ratio Lower Upper
39 100
54 81.1 64.7 97.1

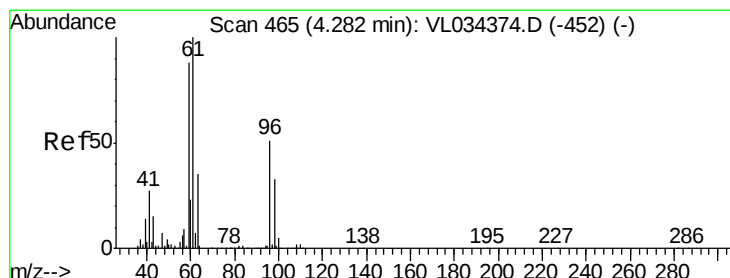
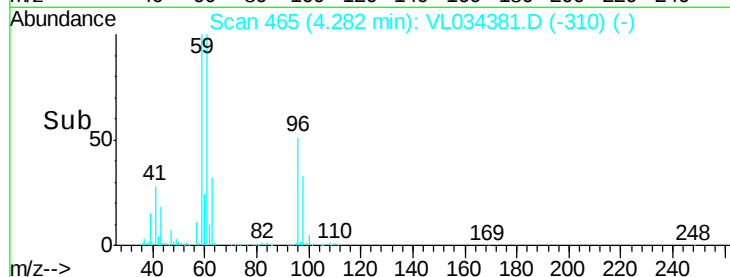
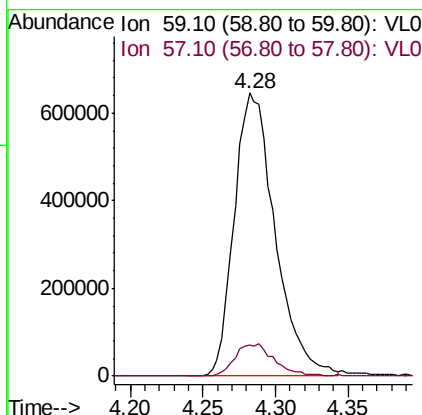
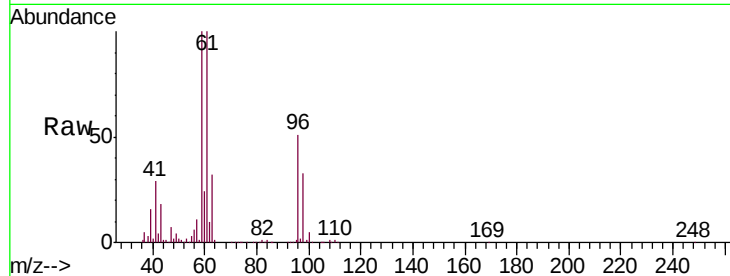




#17
tert-Butyl alcohol
Concen: 9.974 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

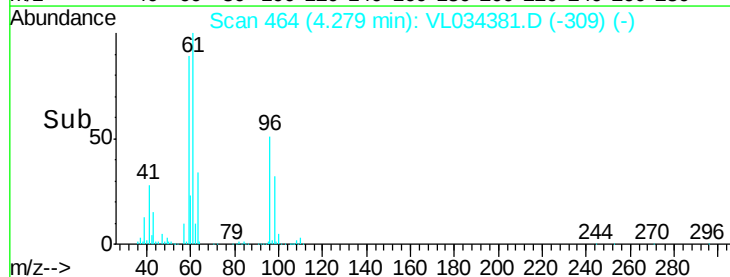
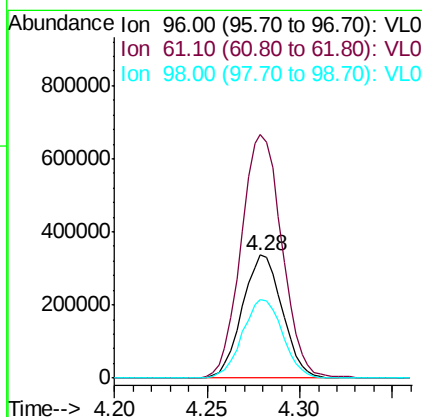
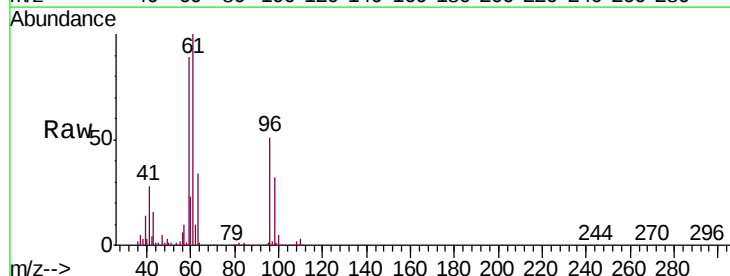
Instrument :
MSVOA_L
ClientSampleId :
BFB

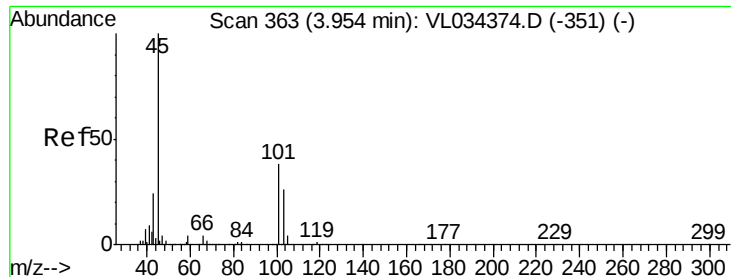
Tgt Ion: 59 Resp: 1264088
Ion Ratio Lower Upper
59 100
57 11.3 8.8 13.2



#18
1,1-Dichloroethene
Concen: 9.170 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 96 Resp: 504983
Ion Ratio Lower Upper
96 100
61 197.7 155.6 233.4
98 63.4 51.6 77.4

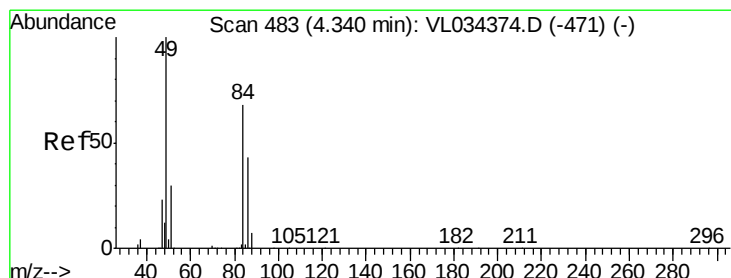
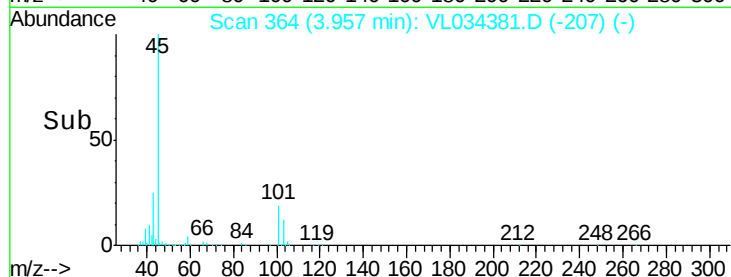
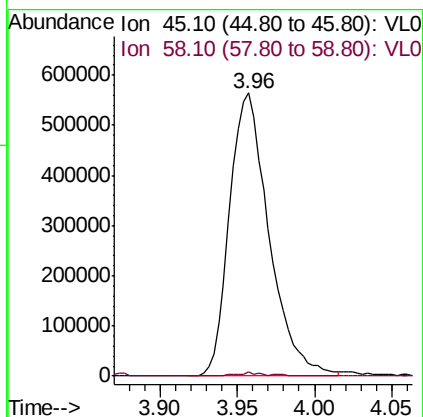
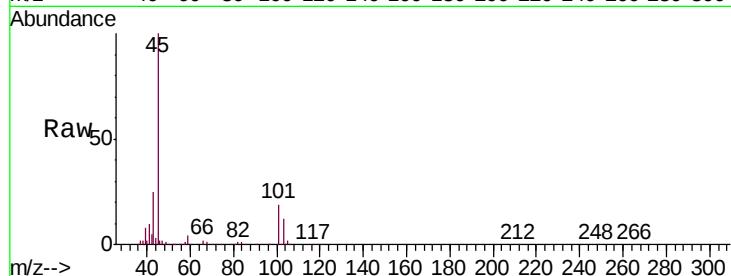




#19
Isopropyl Alcohol
Concen: 9.093 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

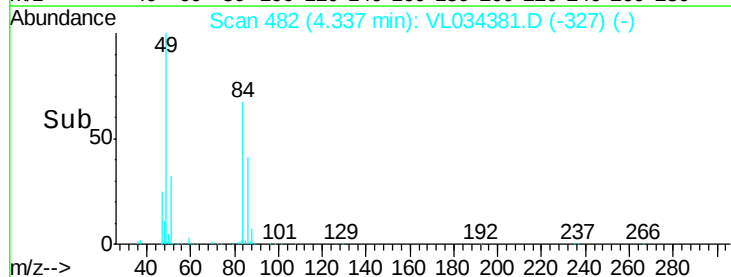
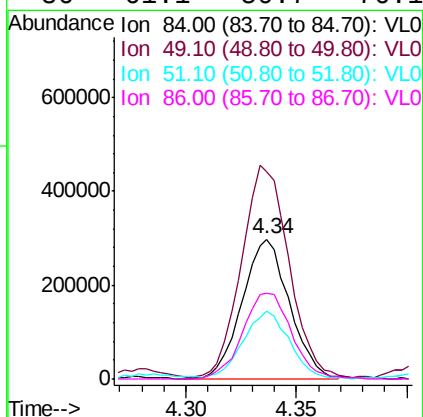
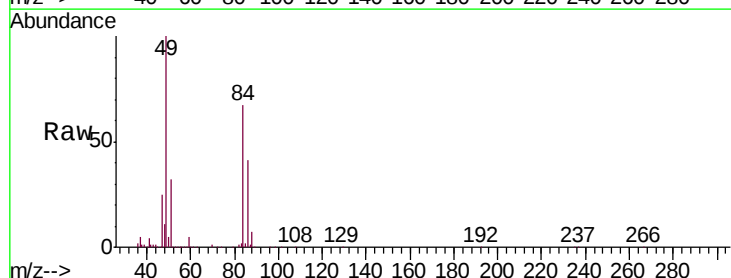
Instrument :
MSVOA_L
ClientSampleId :
BFB

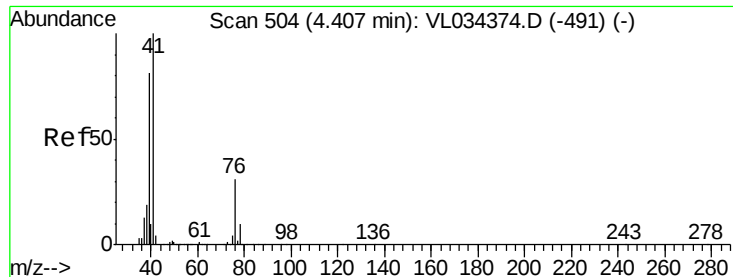
Tgt Ion: 45 Resp: 997085
Ion Ratio Lower Upper
45 100
58 1.4 1.3 1.9



#20
Methylene Chloride
Concen: 8.308 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 84 Resp: 444192
Ion Ratio Lower Upper
84 100
49 147.4 116.8 175.2
51 47.1 35.6 53.4
86 61.1 50.7 76.1





#21

Allyl Chloride

Concen: 9.724 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampled :

BFB

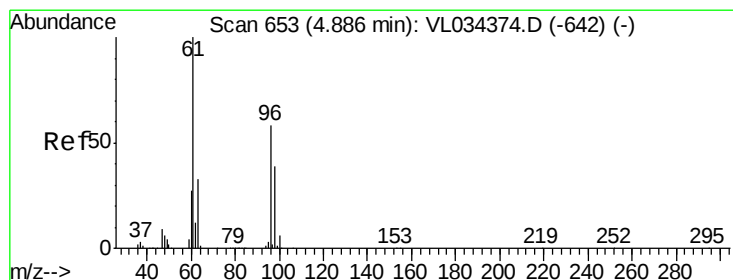
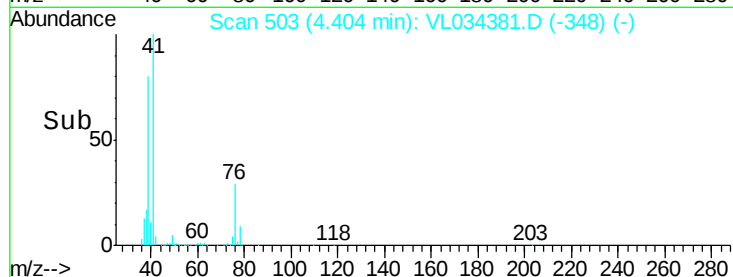
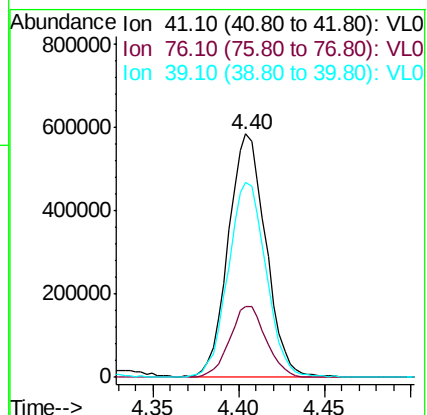
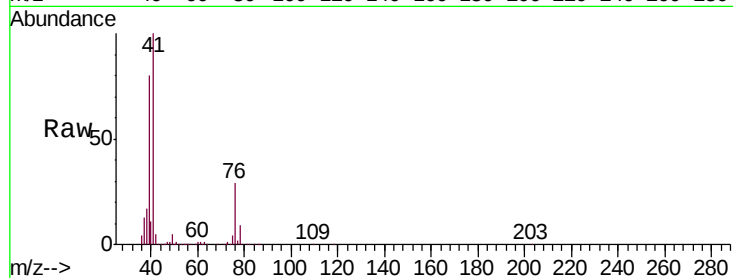
Tgt Ion: 41 Resp: 878536

Ion Ratio Lower Upper

41 100

76 28.7 24.2 36.2

39 81.6 66.9 100.3



#22

trans-1,2-Dichloroethene

Concen: 9.310 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

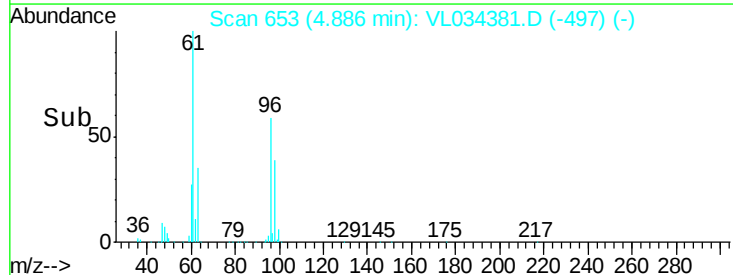
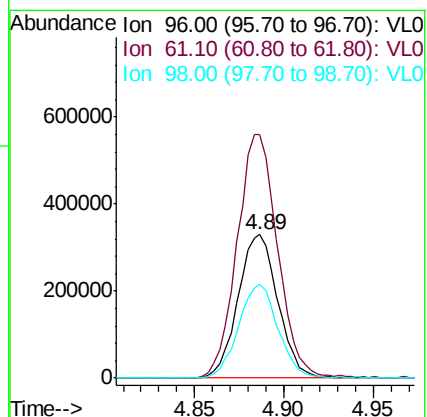
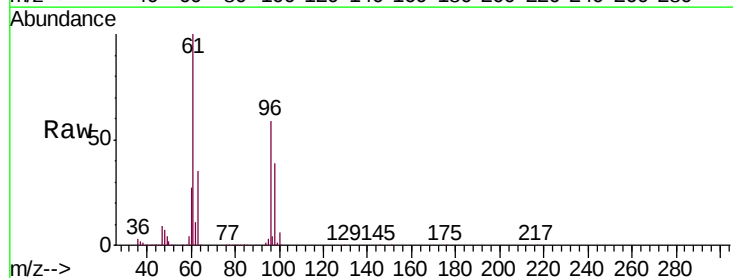
Tgt Ion: 96 Resp: 516835

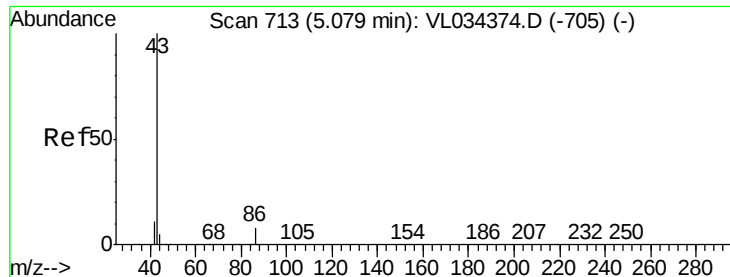
Ion Ratio Lower Upper

96 100

61 169.5 137.9 206.9

98 65.4 53.5 80.3





#23

Vinyl Acetate

Concen: 10.019 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 1973335

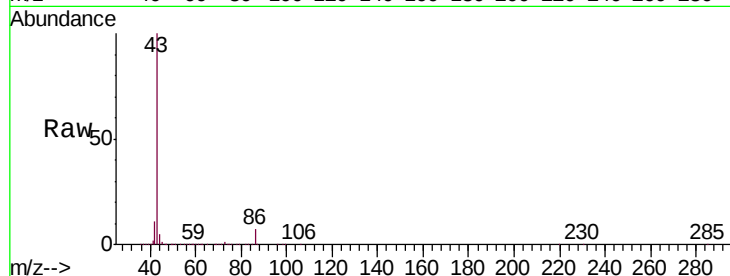
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.6

42 10.6 8.9 13.3

44 4.7 4.0 6.0

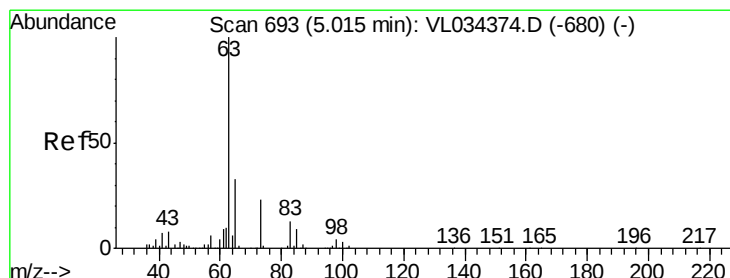
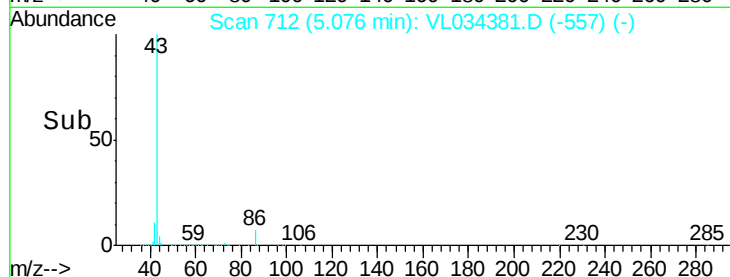
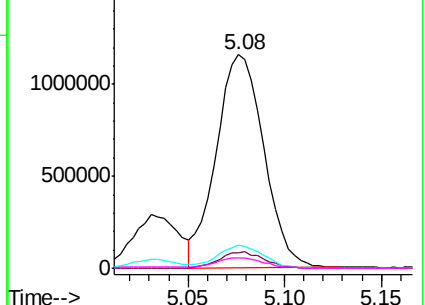


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.156 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

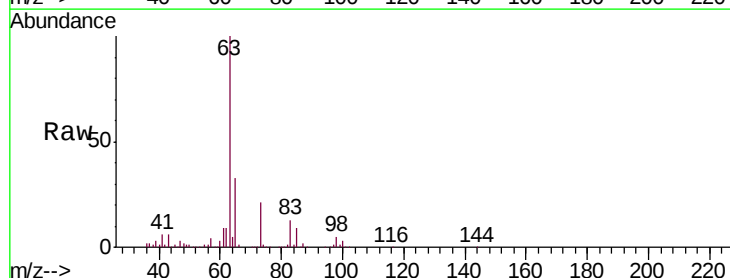
Tgt Ion: 63 Resp: 1385221

Ion Ratio Lower Upper

63 100

98 4.6 1.9 5.7

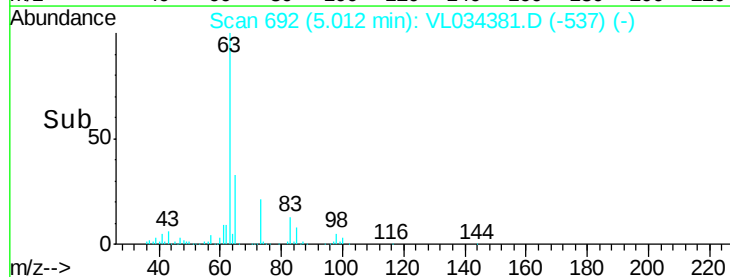
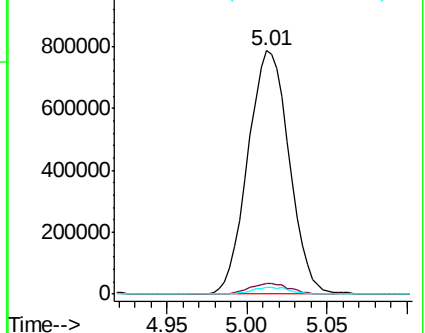
100 2.8 1.4 4.0

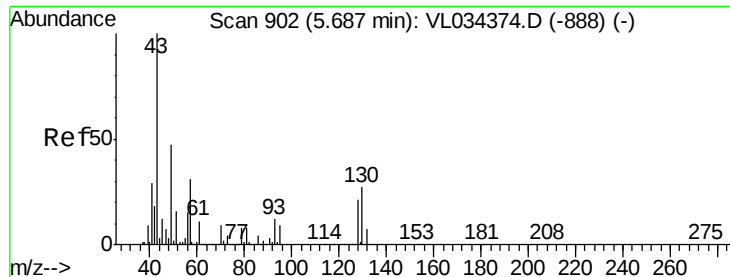


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.112 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 2451419

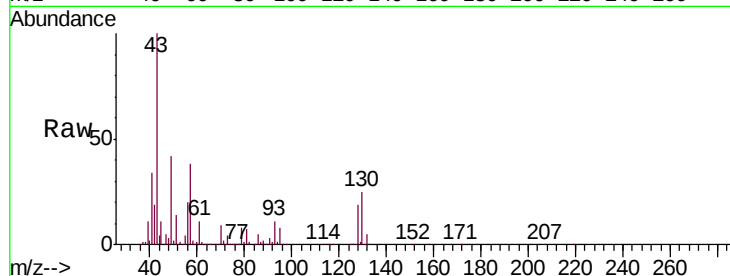
Ion Ratio Lower Upper

43 100

45 10.5 8.2 12.4

61 9.9 7.5 11.3

70 7.3 5.7 8.5

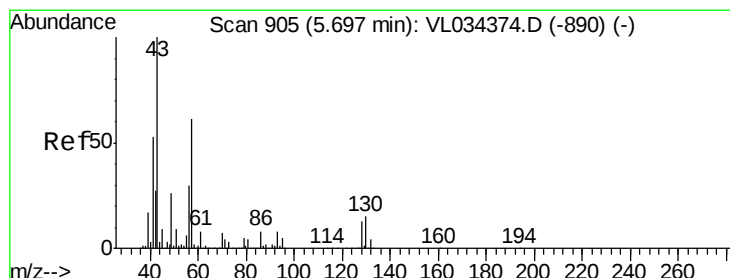
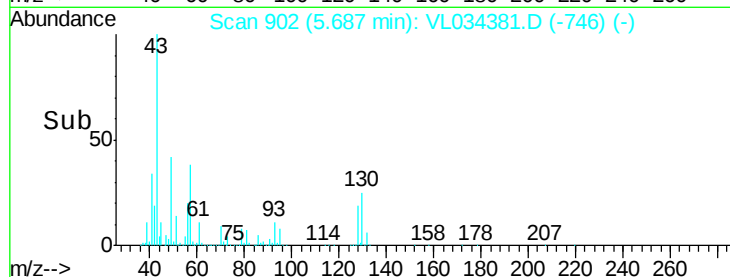
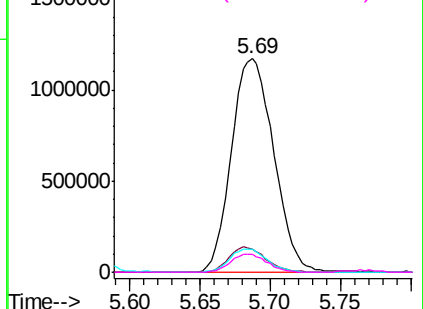


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.164 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Tgt Ion: 57 Resp: 1059444

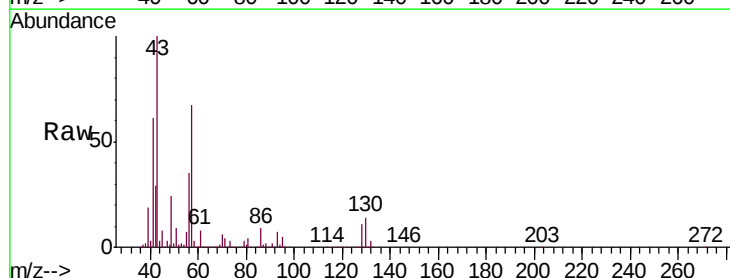
Ion Ratio Lower Upper

57 100

41 92.4 75.0 112.4

43 232.6 186.6 279.8

56 52.9 41.5 62.3

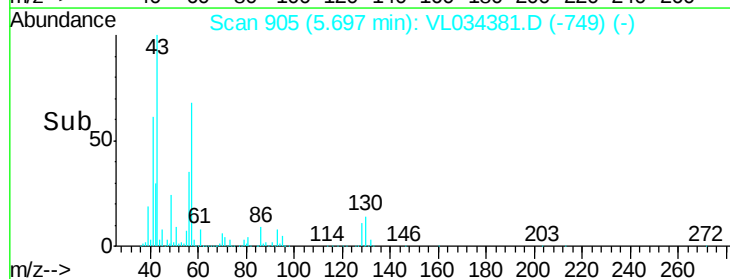
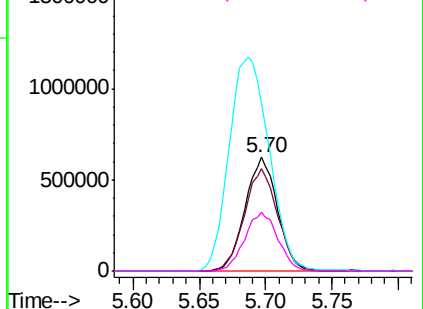


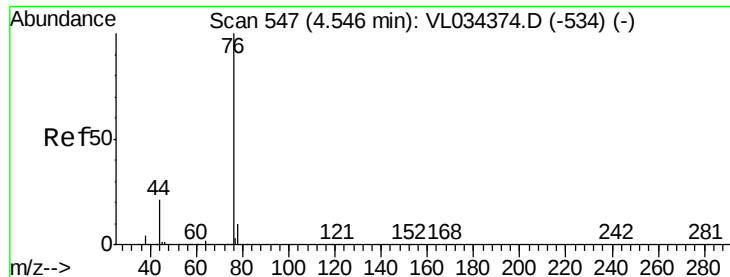
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.337 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

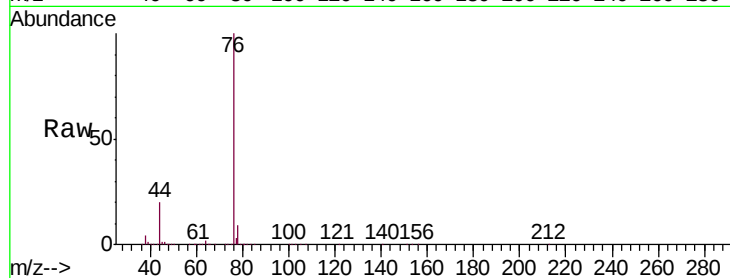
Tgt Ion: 76 Resp: 1301637

Ion Ratio Lower Upper

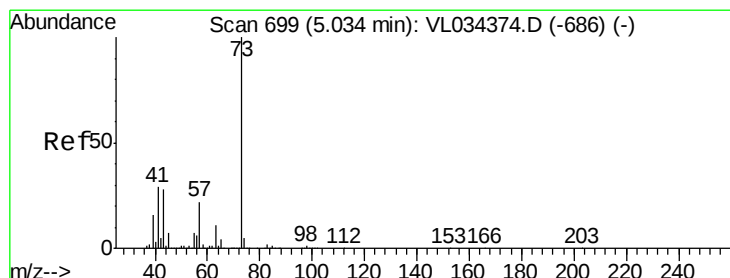
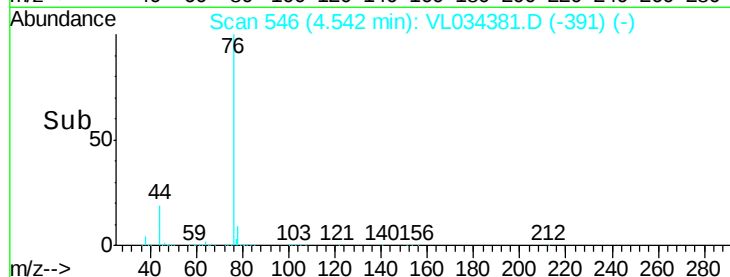
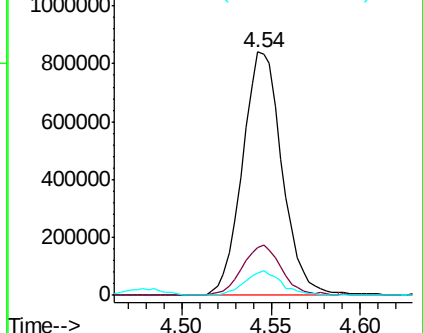
76 100

44 21.0 17.0 25.4

78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.627 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL034381.D

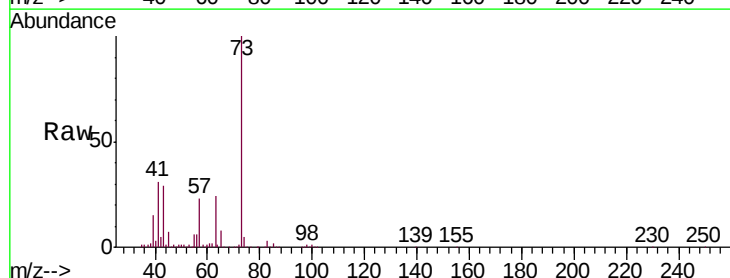
Acq: 19 Nov 2019 15:26

Tgt Ion: 73 Resp: 1845551

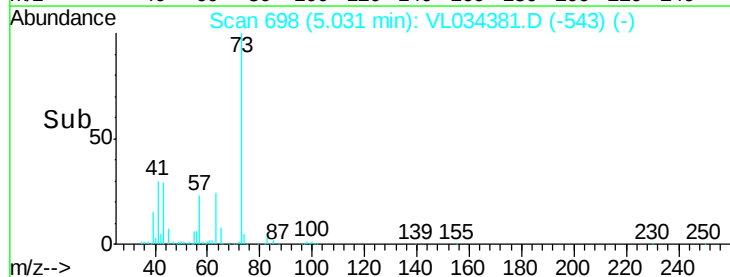
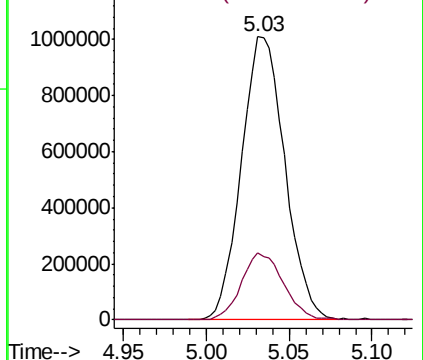
Ion Ratio Lower Upper

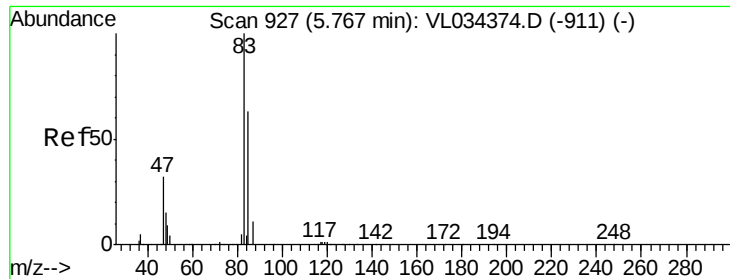
73 100

57 23.0 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.983 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

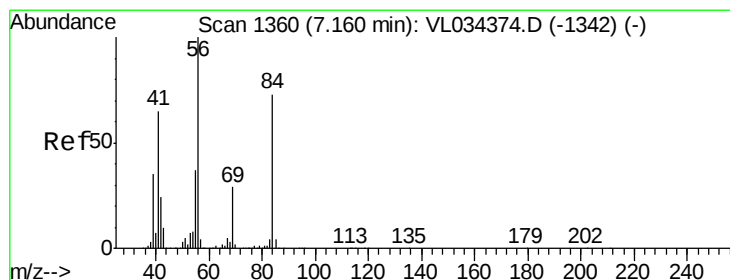
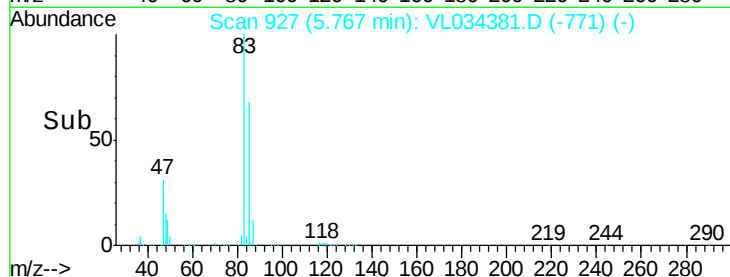
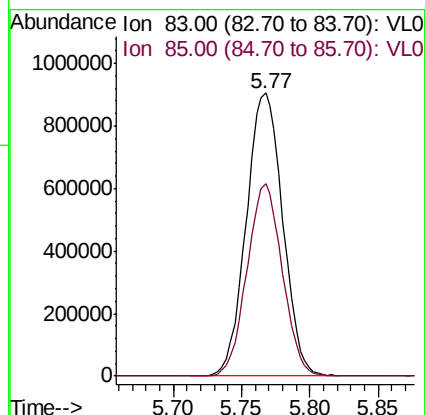
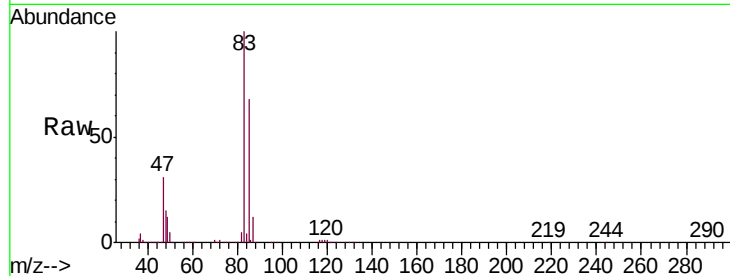
BFB

Tgt Ion: 83 Resp: 1681786

Ion Ratio Lower Upper

83 100

85 67.7 50.4 75.6



#30

Cyclohexane

Concen: 9.931 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

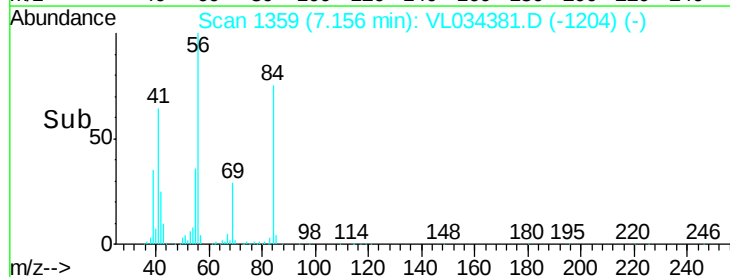
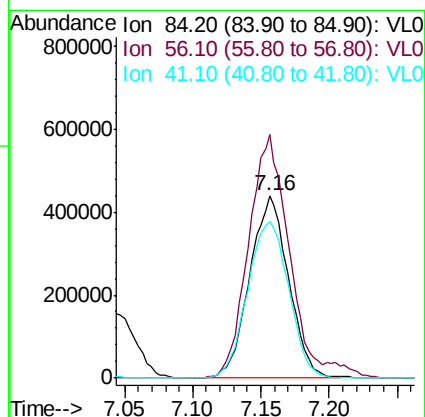
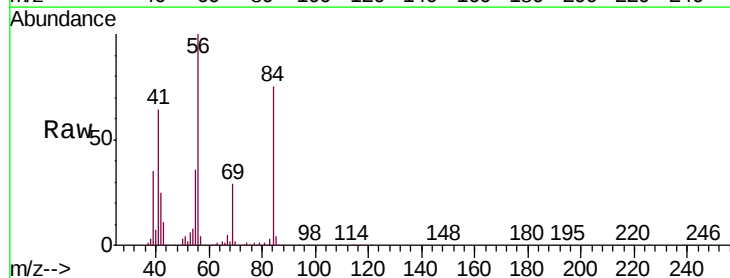
Tgt Ion: 84 Resp: 867983

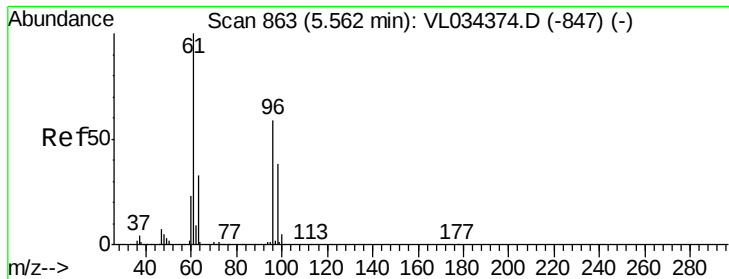
Ion Ratio Lower Upper

84 100

56 142.6 112.6 169.0

41 91.6 73.4 110.2



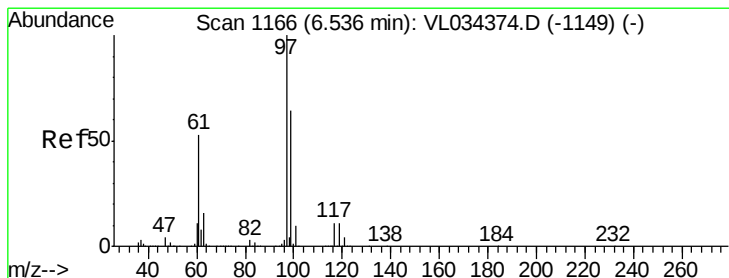
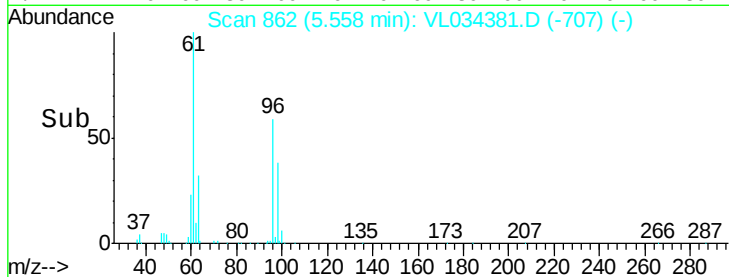
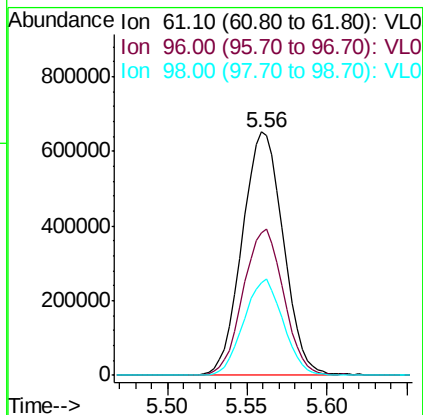
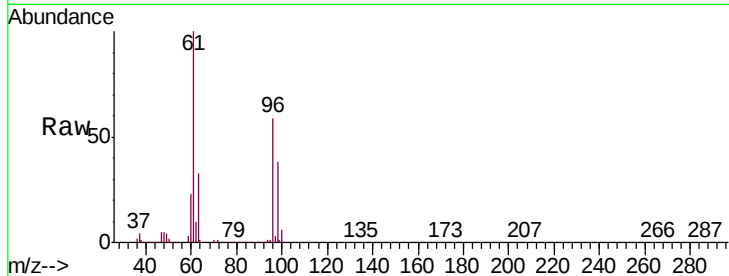


#31

cis-1,2-Dichloroethene
 Concen: 9.595 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

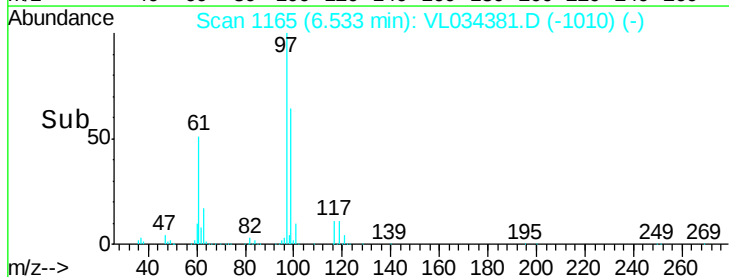
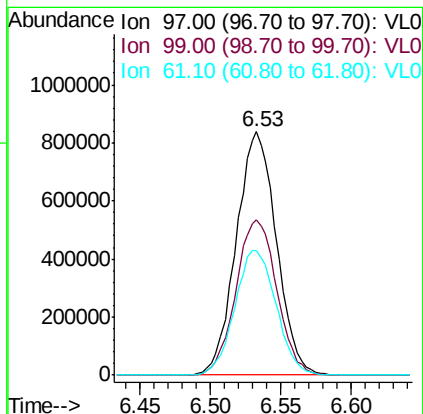
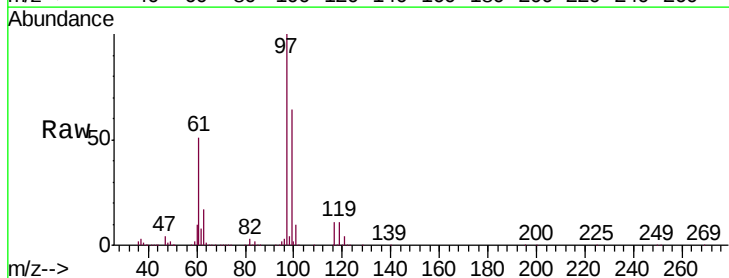
Tgt Ion: 61 Resp: 1146269
 Ion Ratio Lower Upper
 61 100
 96 58.6 47.4 71.2
 98 38.1 30.6 45.8

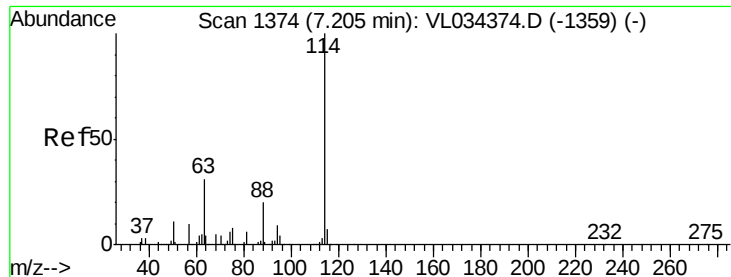


#32

1,1,1-Trichloroethane
 Concen: 9.510 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 97 Resp: 1669258
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 52.9 43.7 65.5

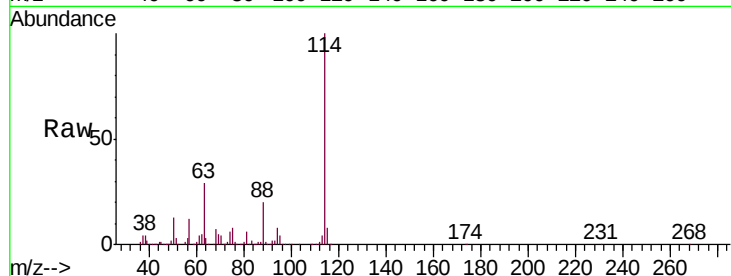




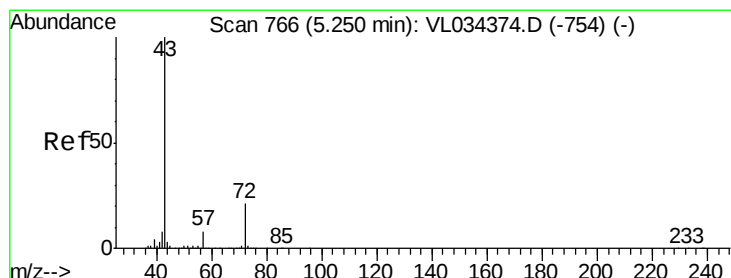
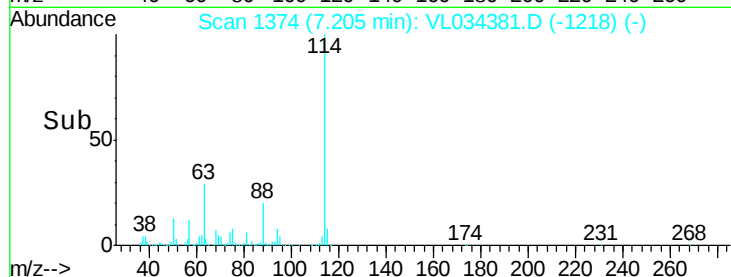
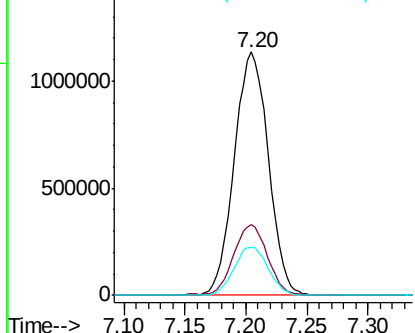
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 114 Resp: 2194760
 Ion Ratio Lower Upper
 114 100
 63 29.3 24.2 36.4
 88 19.8 15.9 23.9

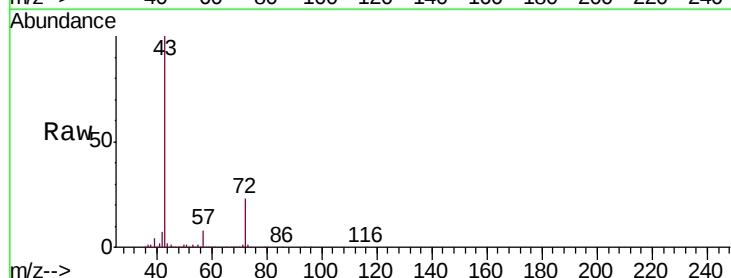


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

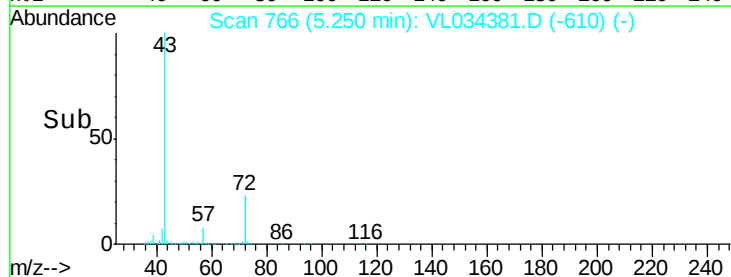
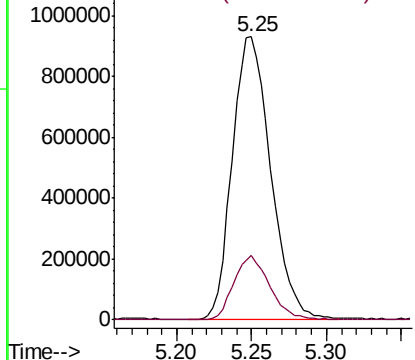


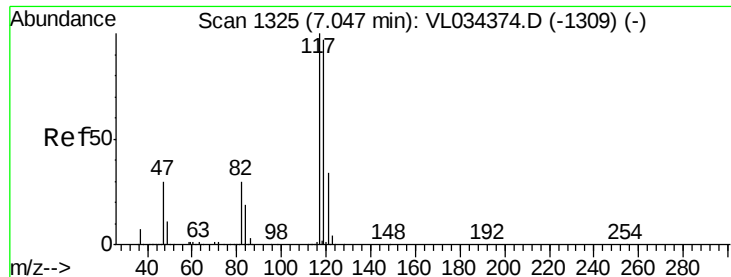
#34
 2-Butanone
 Concen: 9.185 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 43 Resp: 1659314
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.077 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

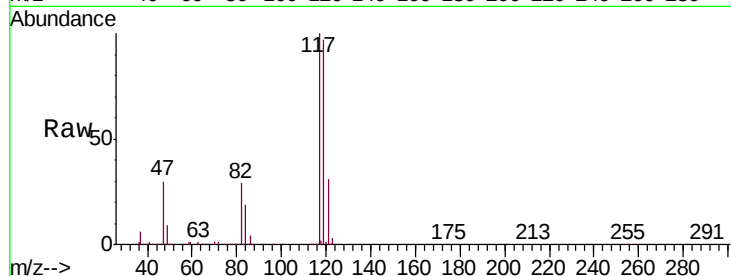
Tgt Ion:117 Resp: 1712905

Ion Ratio Lower Upper

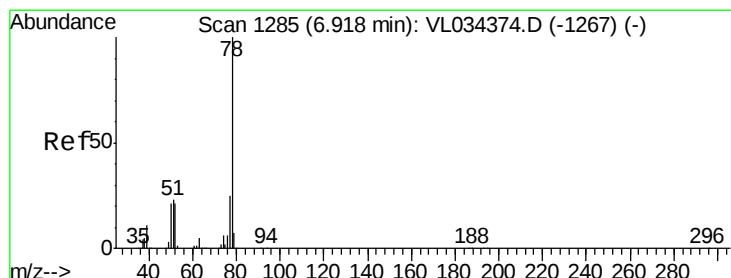
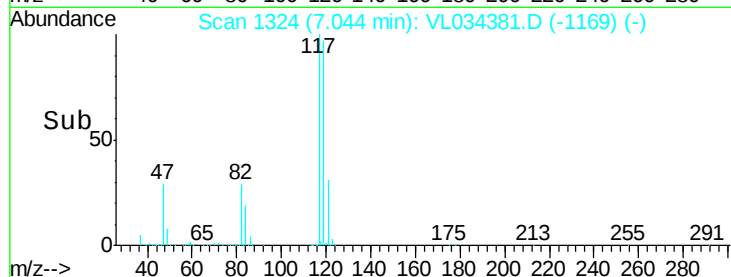
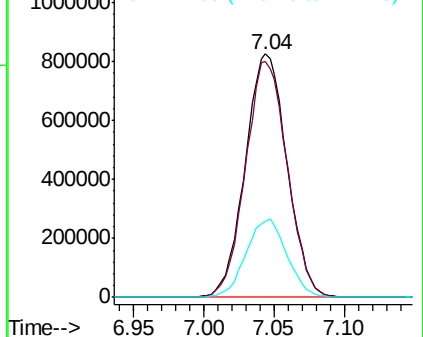
117 100

119 96.7 77.3 115.9

121 31.4 27.4 41.2



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: 9.476 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

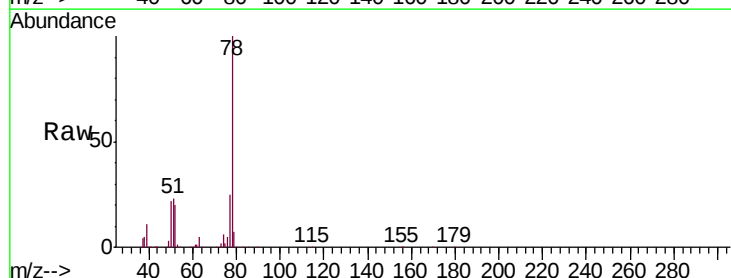
Tgt Ion: 78 Resp: 2079075

Ion Ratio Lower Upper

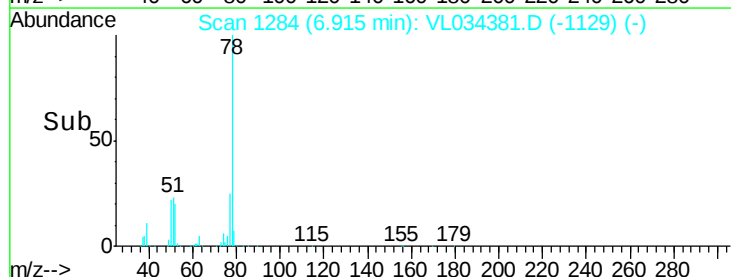
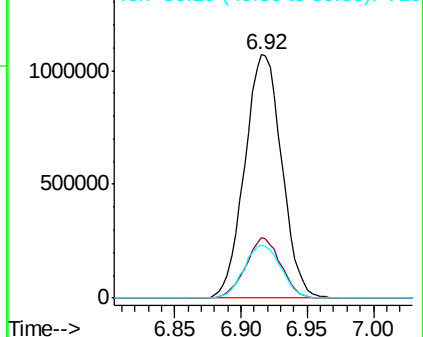
78 100

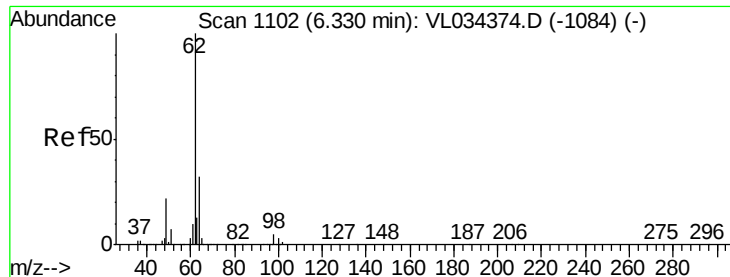
77 25.1 20.2 30.4

50 21.7 17.1 25.7



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

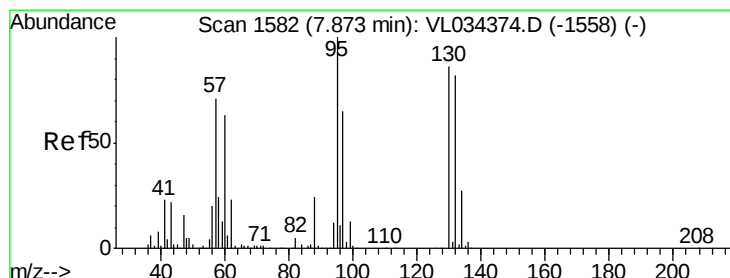
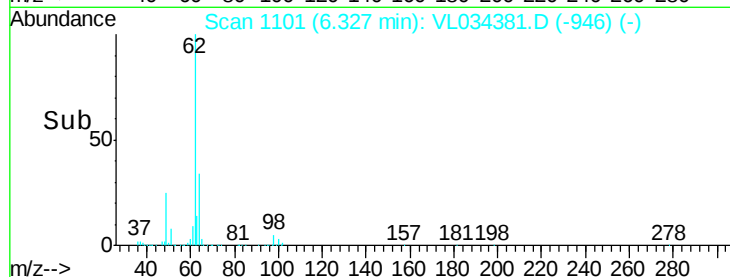
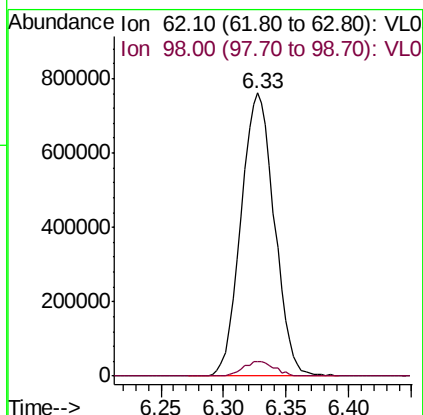
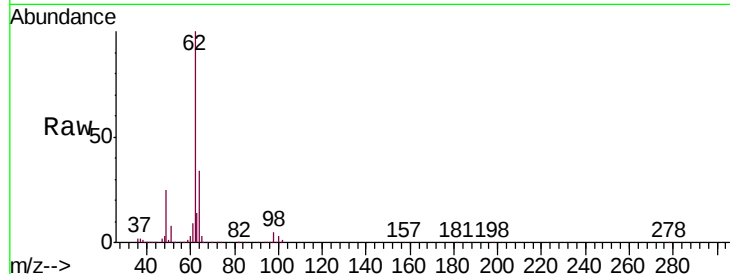




#37
 1,2-Dichloroethane
 Concen: 8.644 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

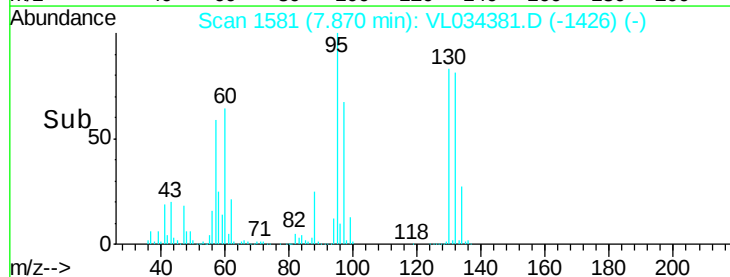
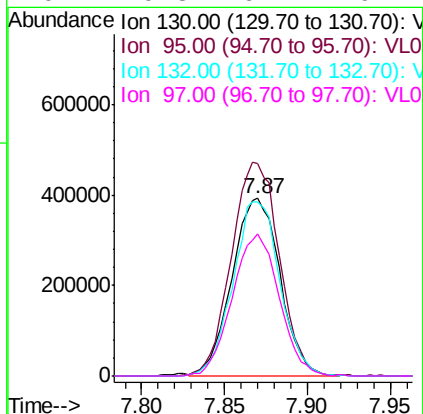
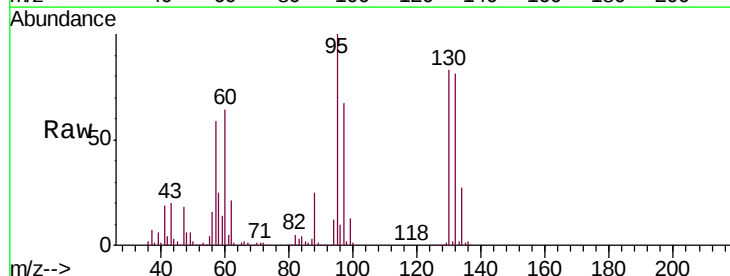
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

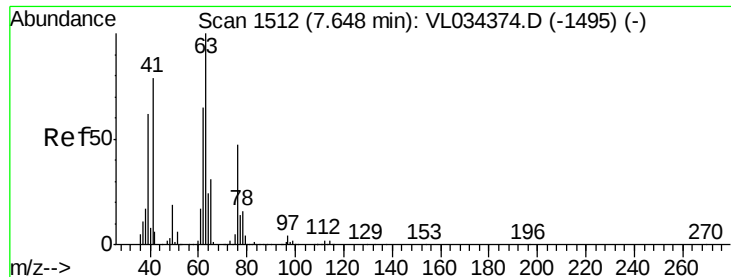
Tgt Ion: 62 Resp: 1408872
 Ion Ratio Lower Upper
 62 100
 98 5.1 3.8 5.8



#38
 Trichloroethene
 Concen: 8.726 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 130 Resp: 785607
 Ion Ratio Lower Upper
 130 100
 95 119.7 93.4 140.0
 132 97.9 76.4 114.6
 97 79.8 61.1 91.7

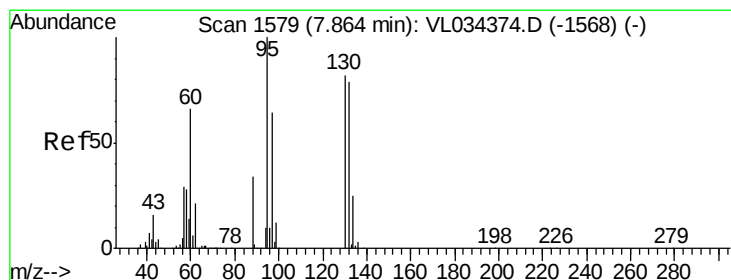
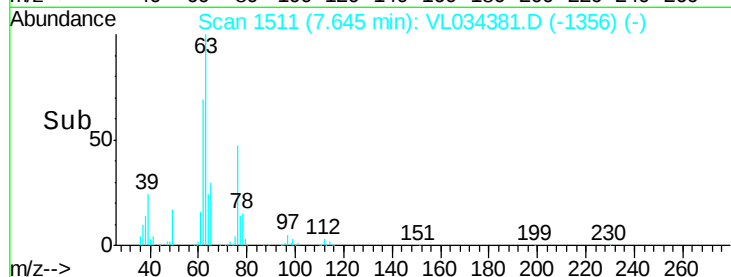
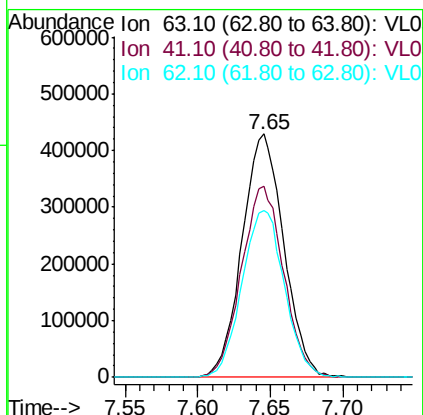
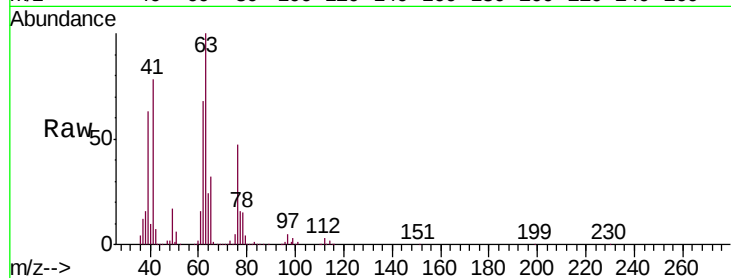




#39
 1,2-Dichloropropane
 Concen: 9.201 ppbv
 RT: 7.65 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

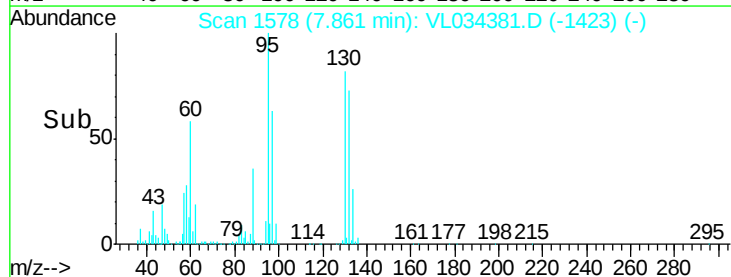
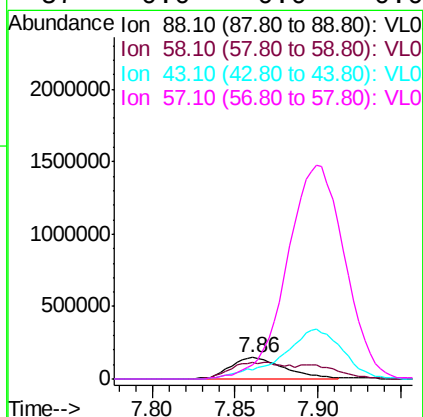
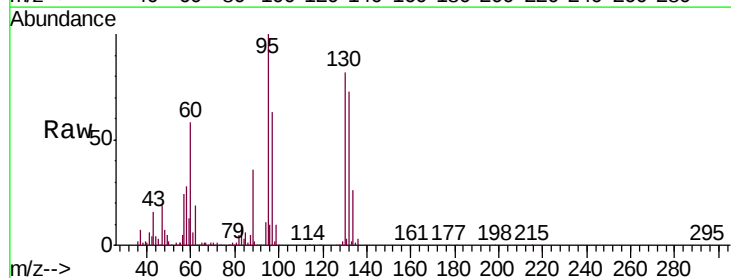
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

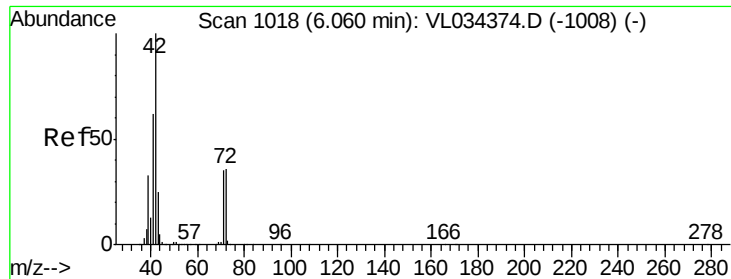
Tgt Ion: 63 Resp: 855743
 Ion Ratio Lower Upper
 63 100
 41 78.4 63.1 94.7
 62 68.5 52.3 78.5



#40
 1,4-Dioxane
 Concen: 8.923 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 88 Resp: 329470
 Ion Ratio Lower Upper
 88 100
 58 136.1 109.5 164.3
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.615 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

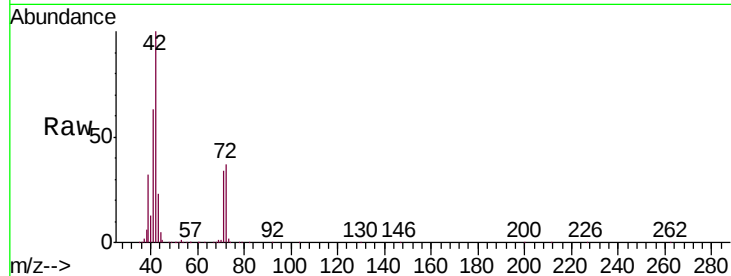
Tgt Ion: 42 Resp: 974269

Ion Ratio Lower Upper

42 100

72 37.1 30.2 45.4

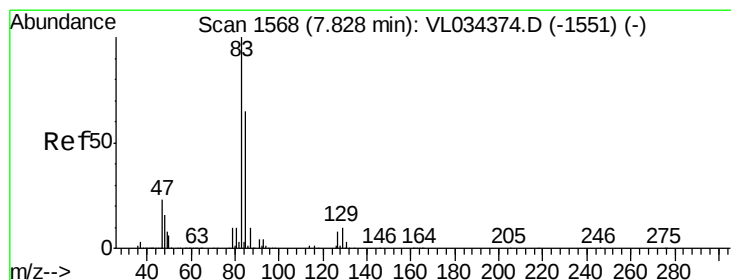
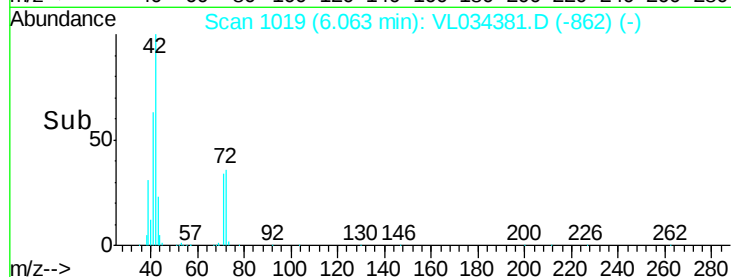
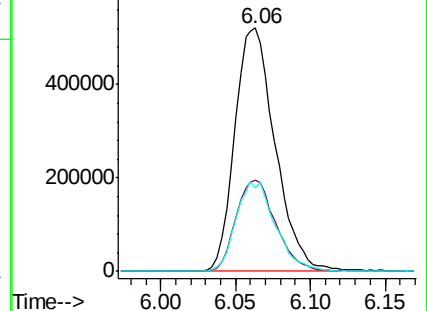
71 36.5 29.4 44.2



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: 8.992 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

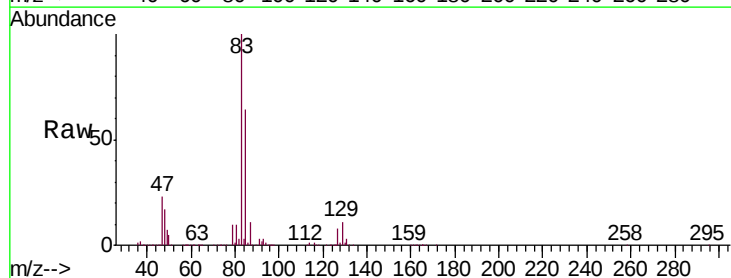
Tgt Ion: 83 Resp: 1832990

Ion Ratio Lower Upper

83 100

85 64.3 52.3 78.5

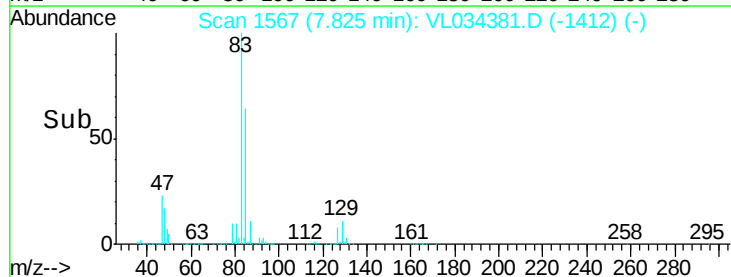
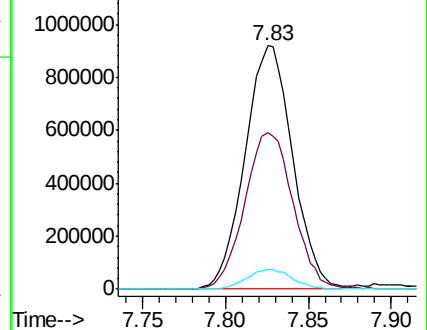
127 8.1 6.1 9.1

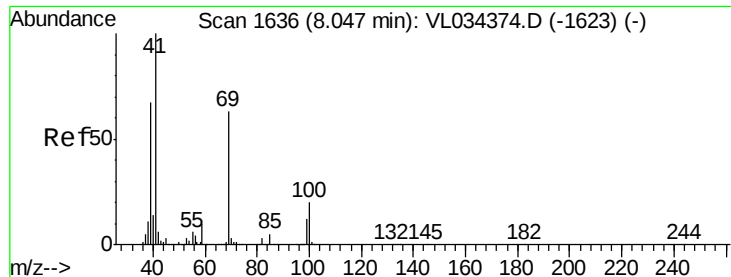


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.901 ppbv

RT: 8.04 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

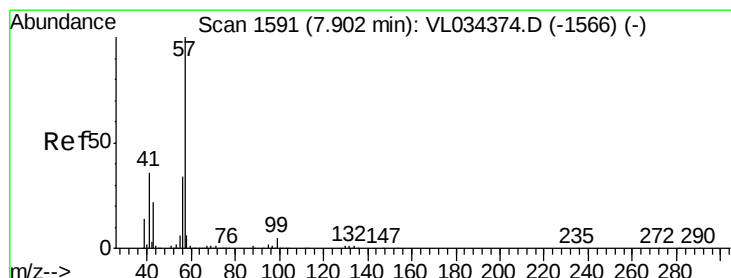
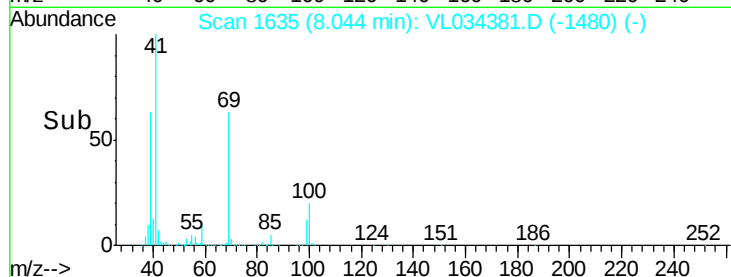
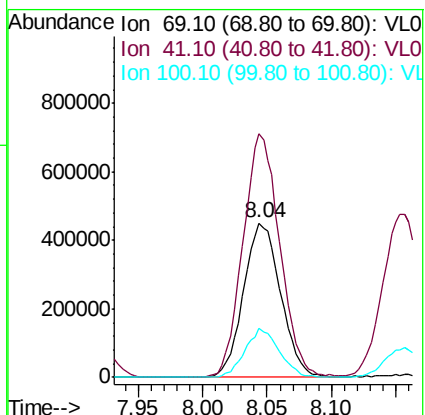
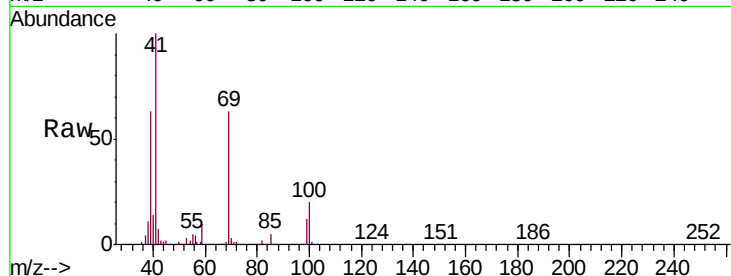
Tgt Ion: 69 Resp: 901016

Ion Ratio Lower Upper

69 100

41 156.5 127.4 191.2

100 29.2 24.2 36.4



#44

2,2,4-Trimethylpentane

Concen: 8.911 ppbv

RT: 7.90 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

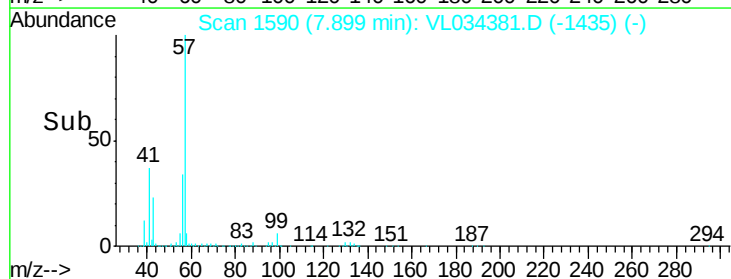
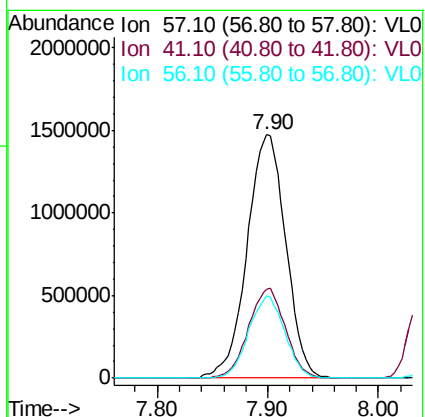
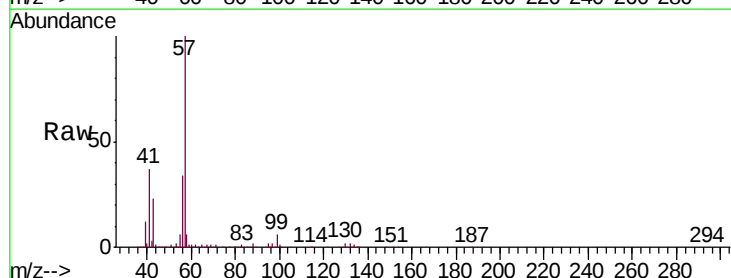
Tgt Ion: 57 Resp: 3572805

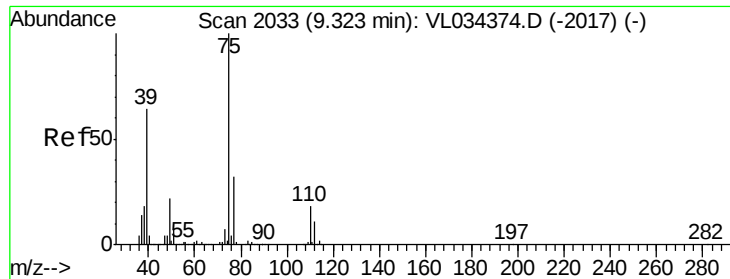
Ion Ratio Lower Upper

57 100

41 35.1 28.6 42.8

56 31.7 25.3 37.9

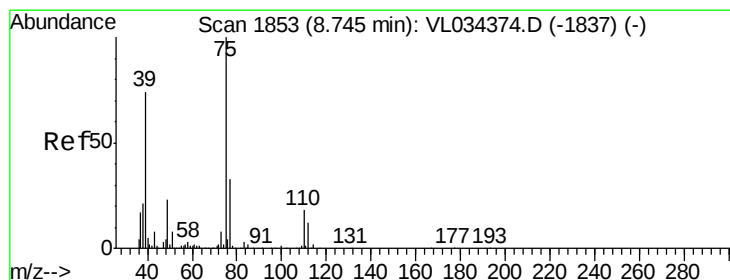
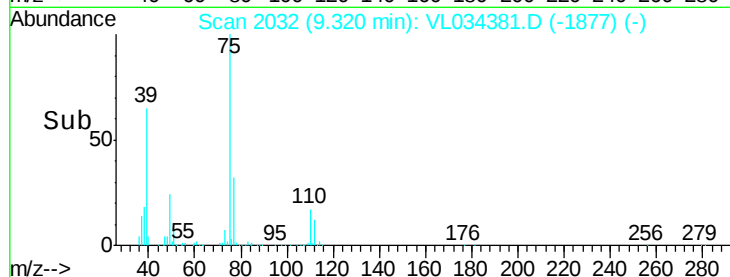
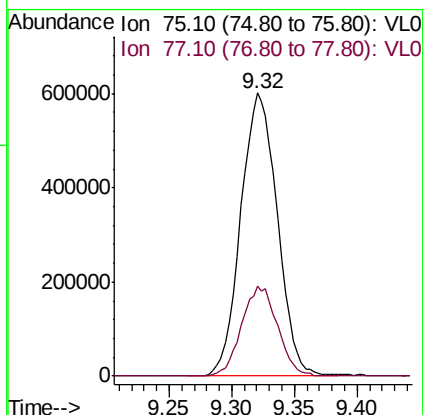
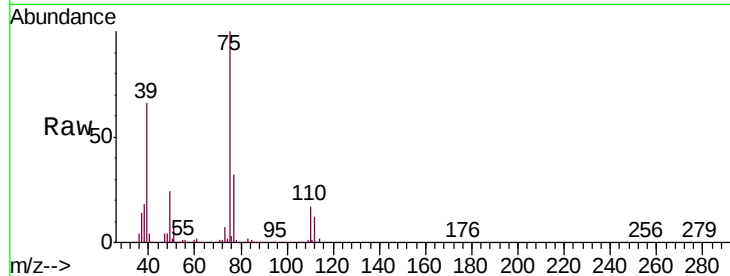




#45
 t-1,3-Dichloropropene
 Concen: 10.445 ppbv
 RT: 9.32 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

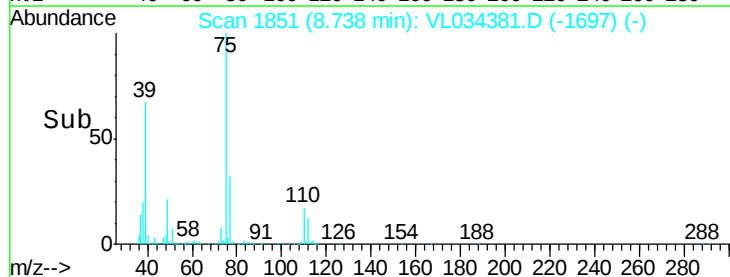
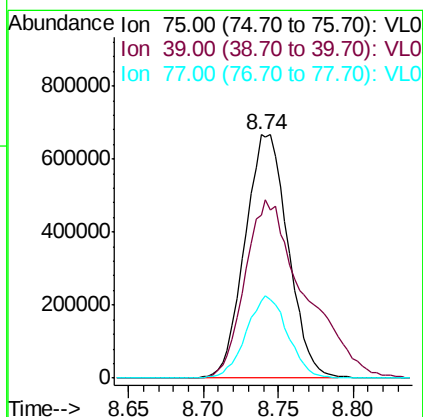
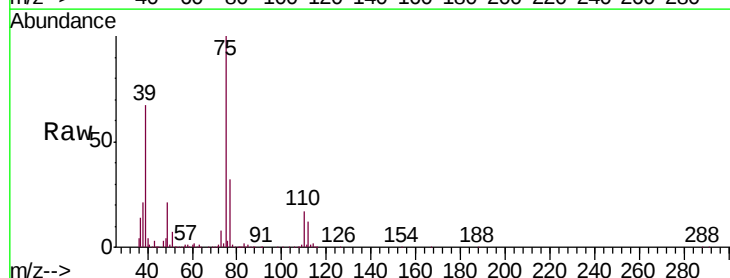
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

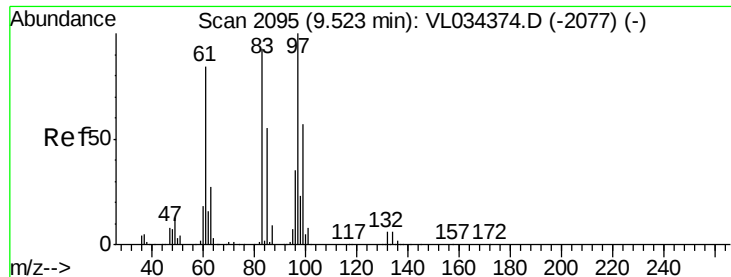
Tgt Ion: 75 Resp: 1218936
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.208 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 75 Resp: 1338162
 Ion Ratio Lower Upper
 75 100
 39 67.0 59.0 88.6
 77 31.7 26.4 39.6

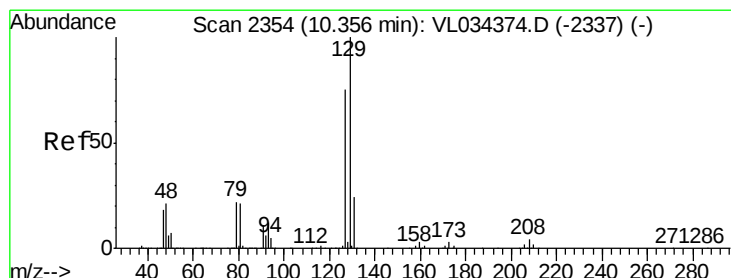
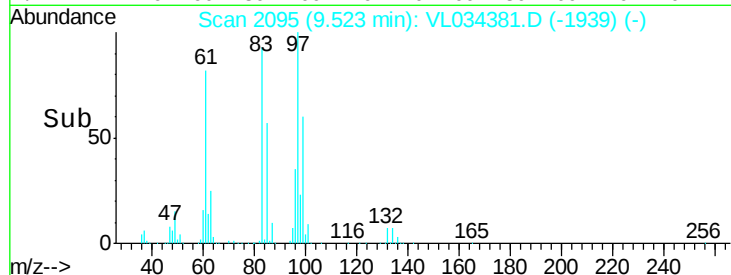
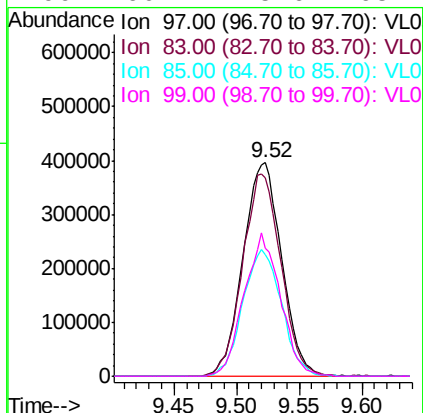
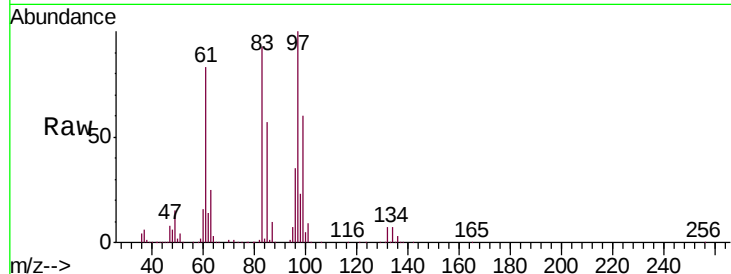




#47
 1,1,2-Trichloroethane
 Concen: 9.025 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

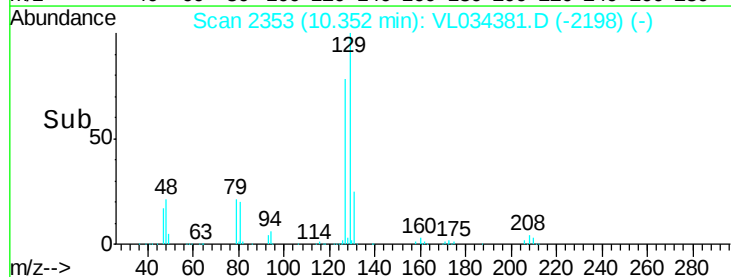
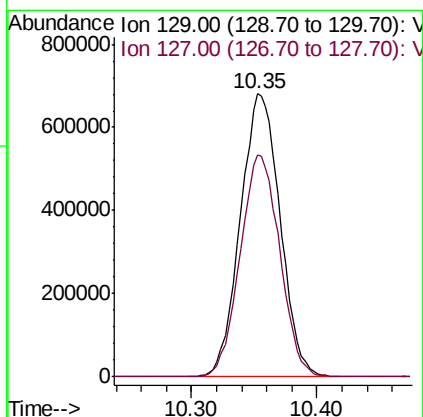
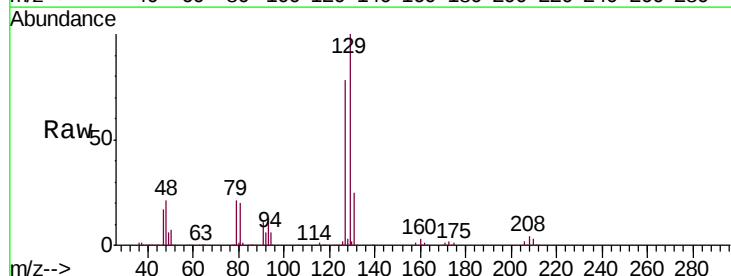
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

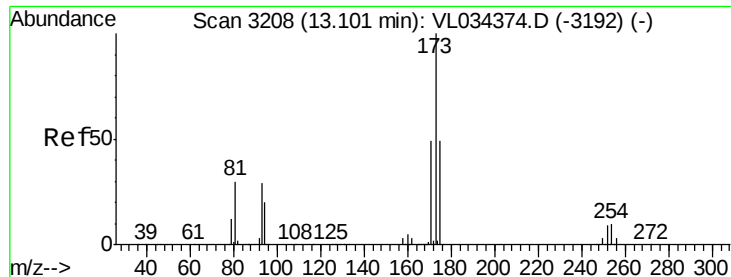
Tgt Ion:	97	Resp:	848532
Ion	Ratio	Lower	Upper
97	100		
83	92.8	74.6	112.0
85	57.2	43.8	65.8
99	60.1	45.6	68.4



#48
 Dibromochloromethane
 Concen: 9.281 ppbv
 RT: 10.35 min Scan# 2353
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion:	129	Resp:	1498288
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5

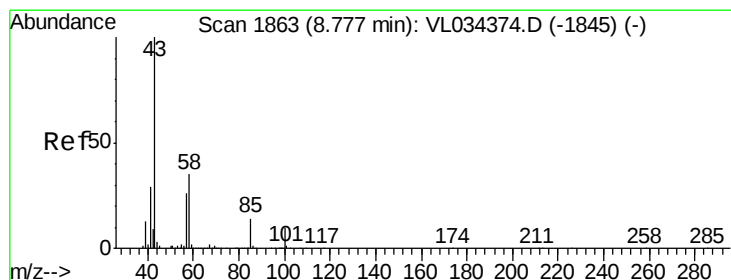
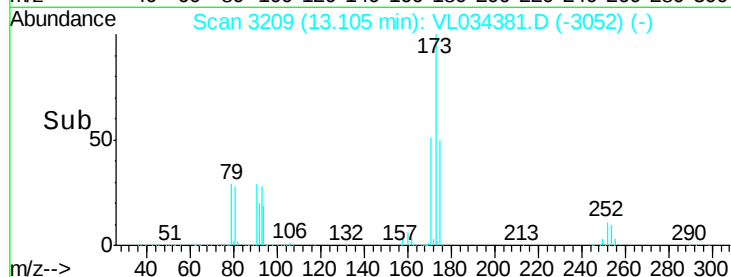
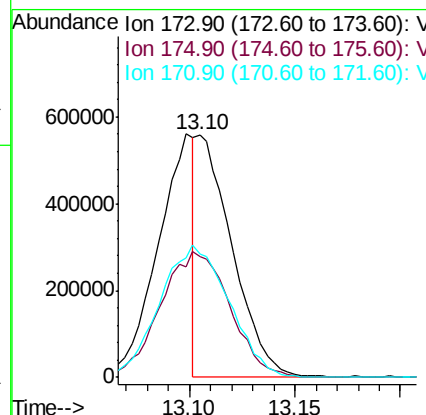
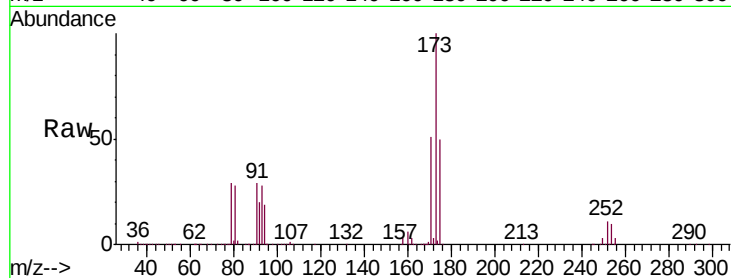




#49
Bromoform
Concen: 4.488 ppbv
RT: 13.10 min Scan# 3209
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

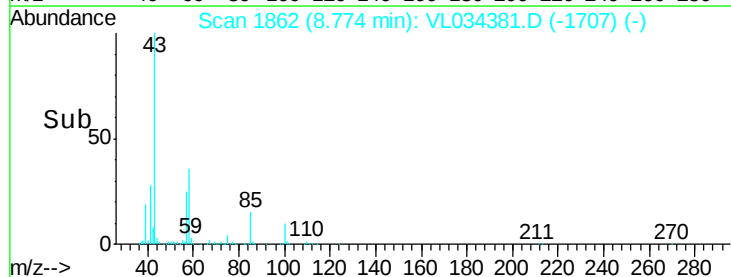
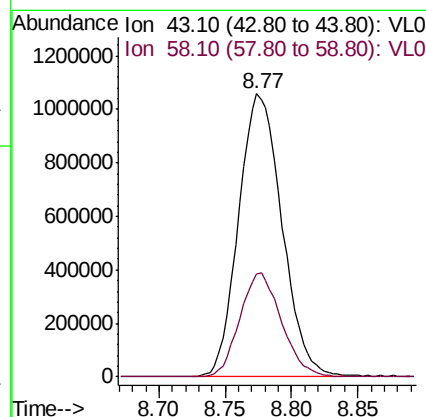
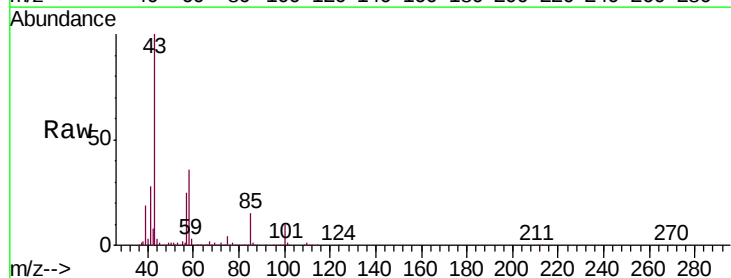
Instrument :
MSVOA_L
ClientSampleId :
BFB

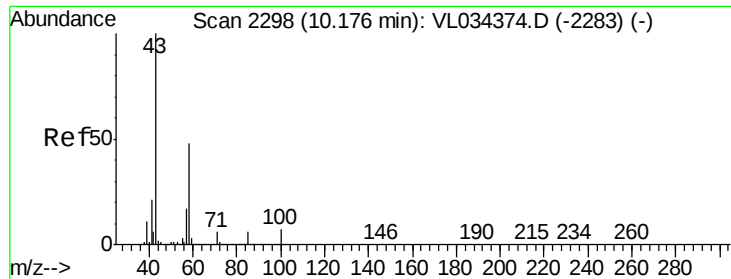
Tgt Ion: 173 Resp: 646821
Ion Ratio Lower Upper
173 100
175 102.9 39.3 58.9#
171 108.3 42.4 63.6#



#50
4-Methyl-2-Pentanone
Concen: 9.200 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 43 Resp: 2404784
Ion Ratio Lower Upper
43 100
58 35.4 27.9 41.9

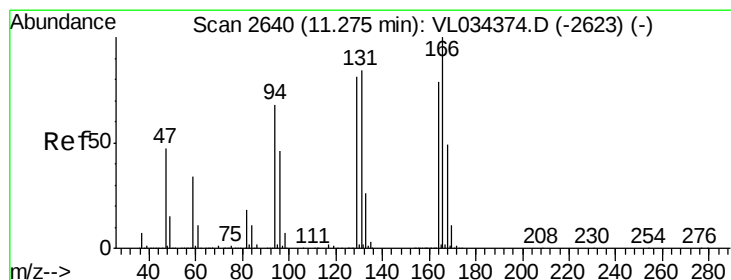
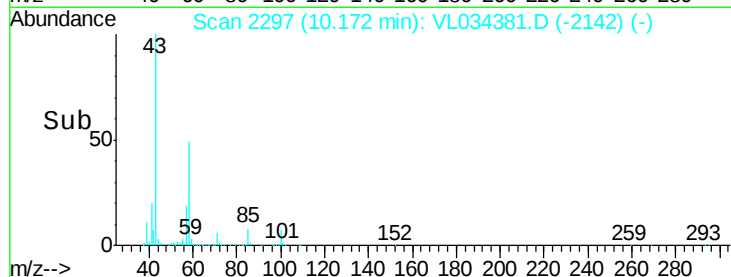
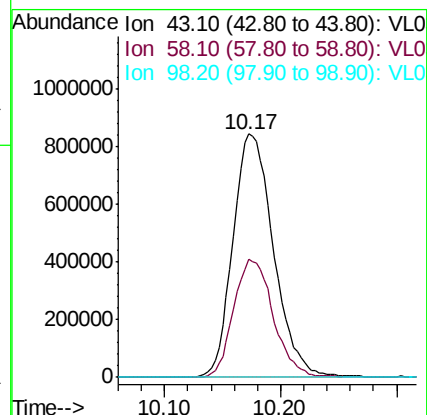
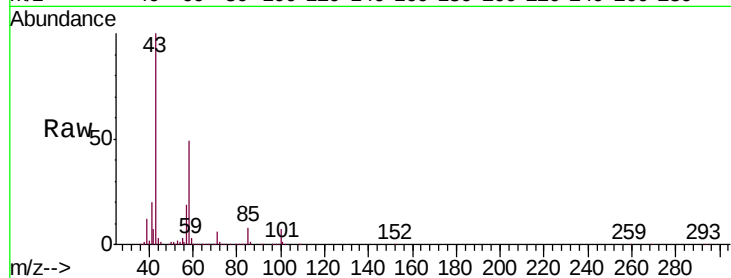




#51
2-Hexanone
Concen: 9.328 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

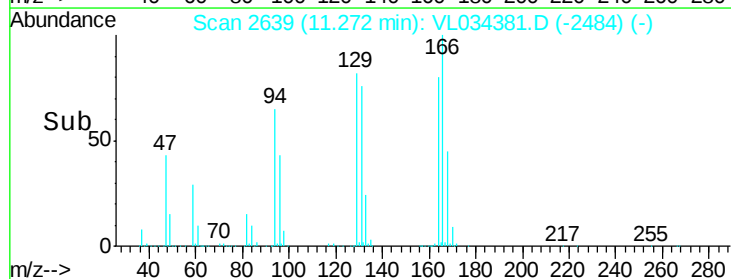
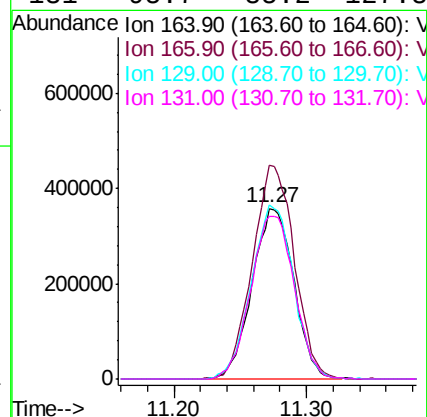
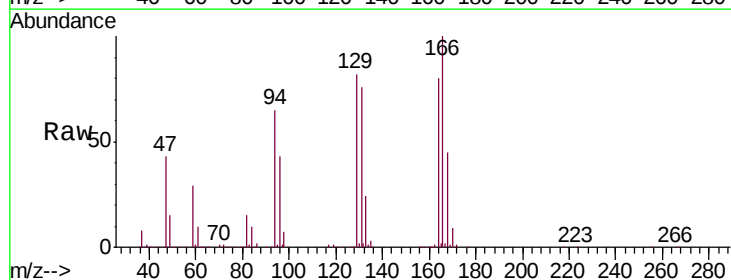
Instrument :
MSVOA_L
ClientSampled :
BFB

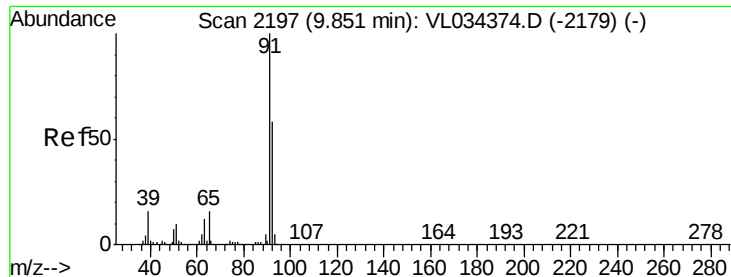
Tgt Ion: 43 Resp: 2042388
Ion Ratio Lower Upper
43 100
58 47.9 38.2 57.4
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.290 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 164 Resp: 786960
Ion Ratio Lower Upper
164 100
166 125.4 101.7 152.5
129 102.5 82.6 123.8
131 95.7 85.2 127.8





#53

Toluene

Concen: 9.513 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

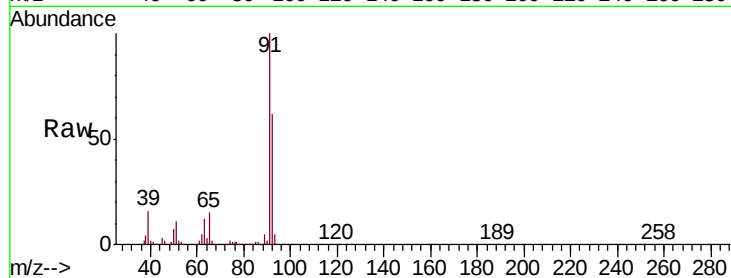
BFB

Tgt Ion: 91 Resp: 2370710

Ion Ratio Lower Upper

91 100

92 60.1 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1200000

1000000

800000

600000

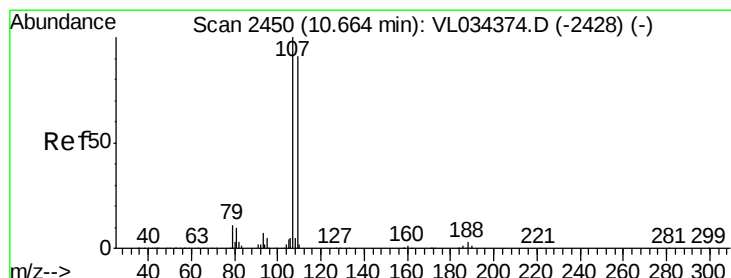
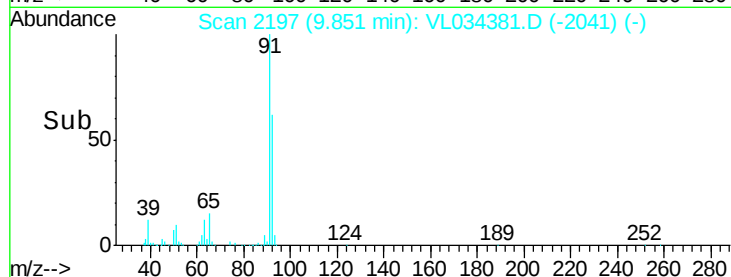
400000

200000

0

9.75 9.80 9.85 9.90 9.95

Time-->



#54

1,2-Dibromoethane

Concen: 9.080 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034381.D

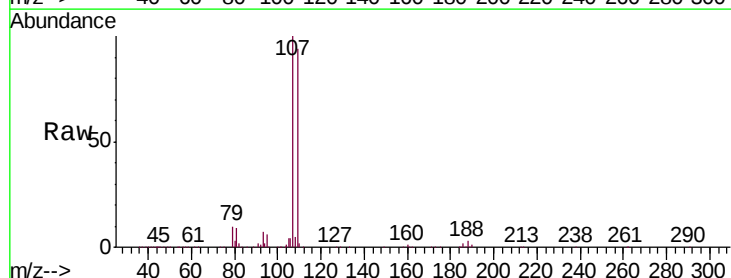
Acq: 19 Nov 2019 15:26

Tgt Ion: 107 Resp: 1308885

Ion Ratio Lower Upper

107 100

109 93.9 73.0 109.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

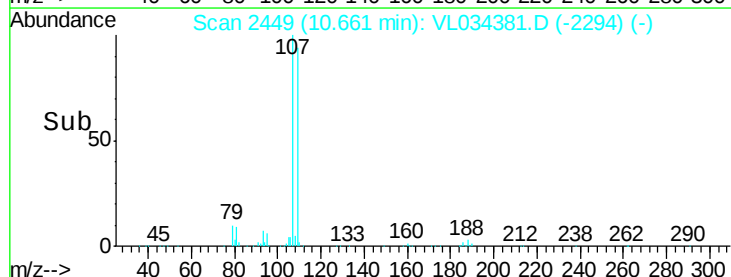
400000

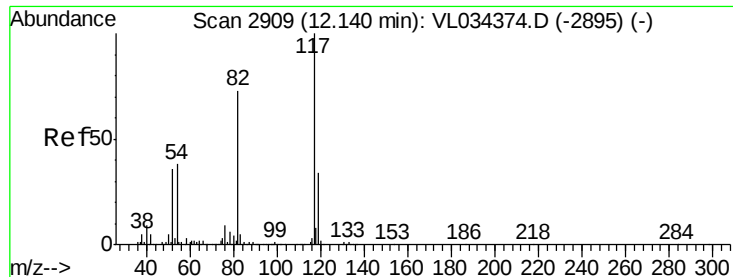
200000

0

10.60 10.70

Time-->

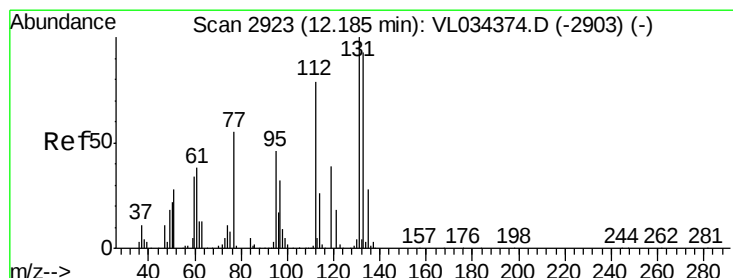
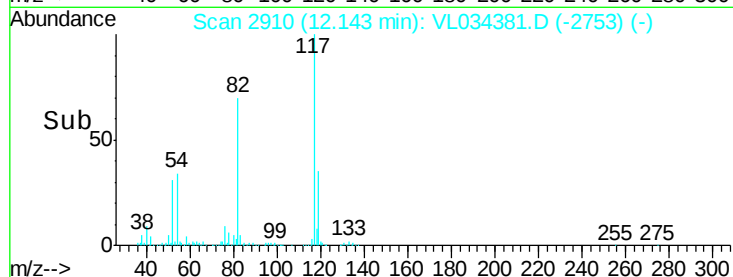
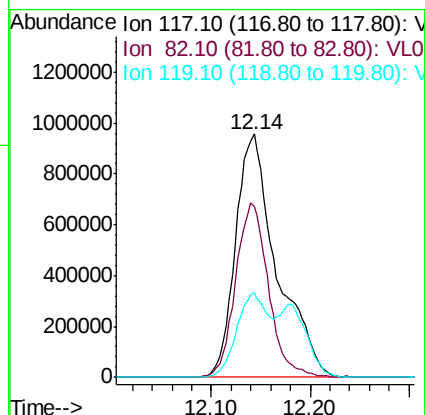
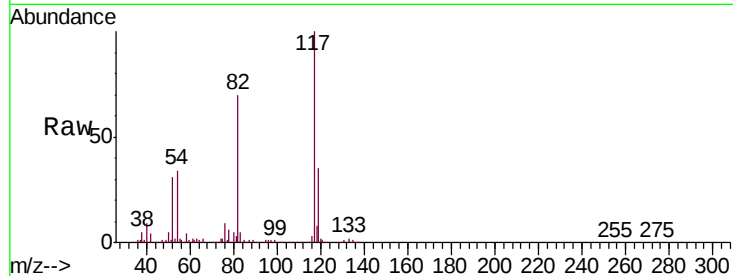




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

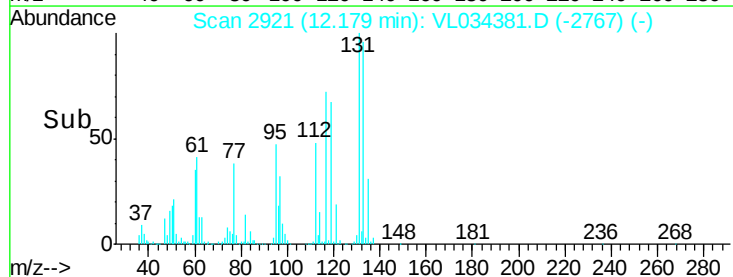
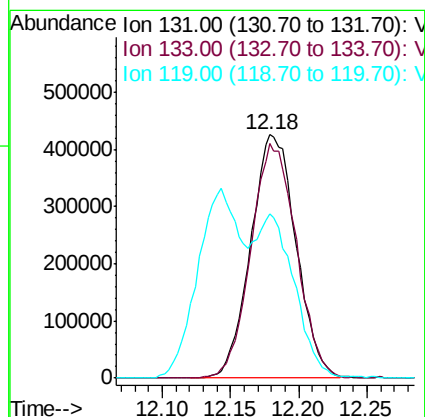
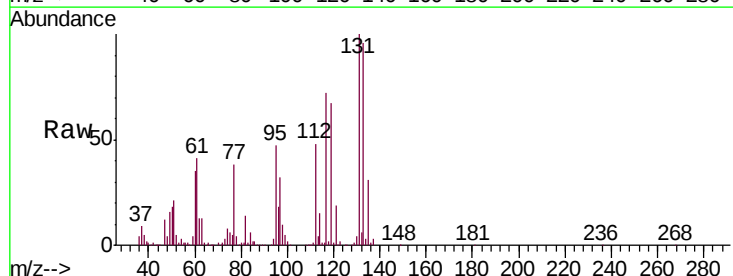
Instrument :
MSVOA_L
ClientSampleId :
BFB

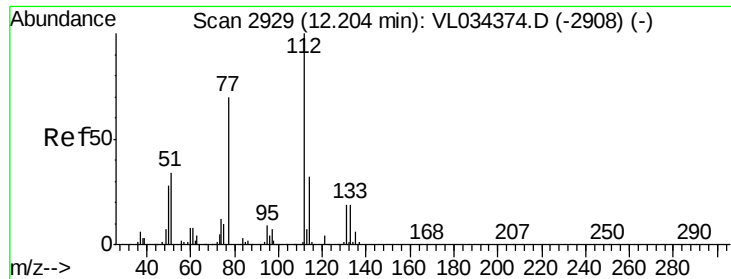
Tgt Ion:117 Resp: 2780889
Ion Ratio Lower Upper
117 100
82 57.3 57.5 86.3#
119 26.6 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.216 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion:131 Resp: 981545
Ion Ratio Lower Upper
131 100
133 96.8 76.2 114.2
119 135.4 44.6 67.0#

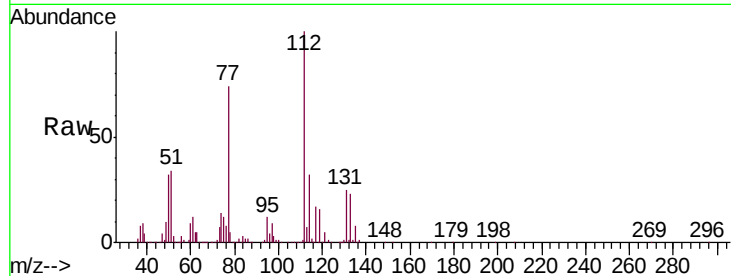




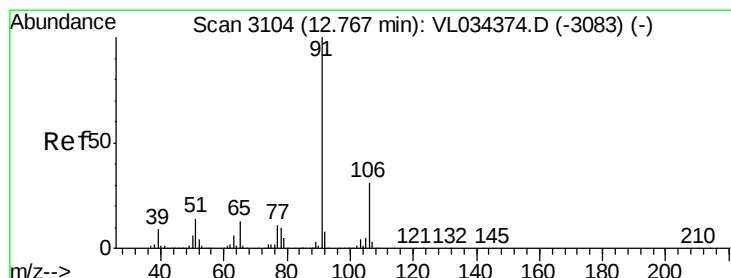
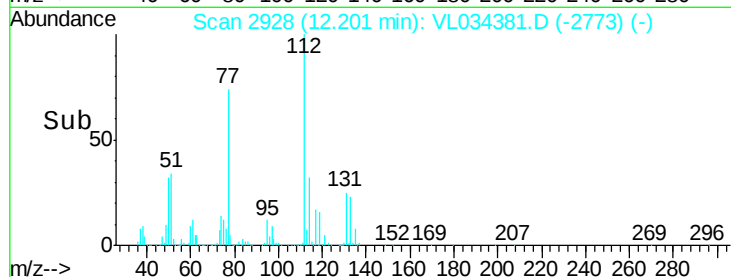
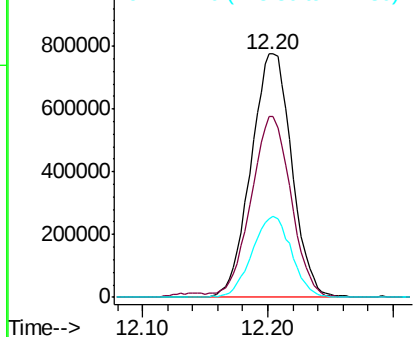
#57
Chlorobenzene
Concen: 6.962 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 112 Resp: 1750102
Ion Ratio Lower Upper
112 100
77 73.9 57.1 85.7
114 32.1 28.5 34.9

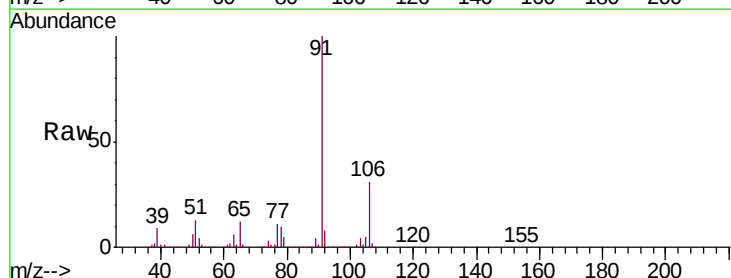


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

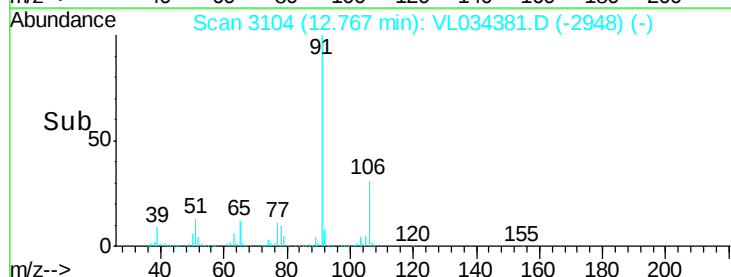
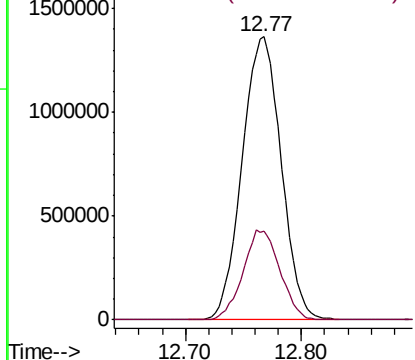


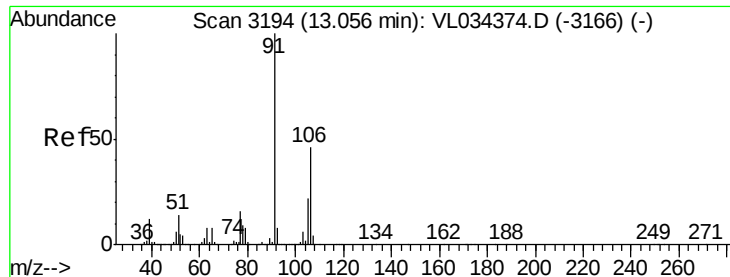
#58
Ethyl Benzene
Concen: 7.387 ppbv
RT: 12.77 min Scan# 3104
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 91 Resp: 3187900
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



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

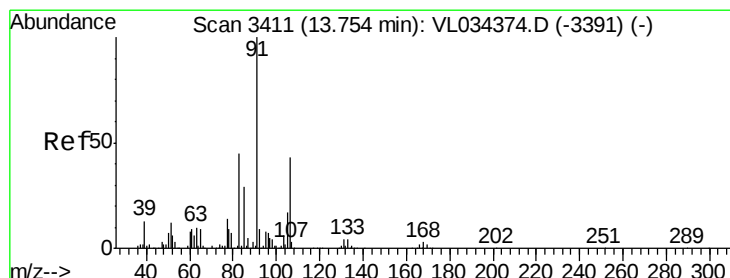
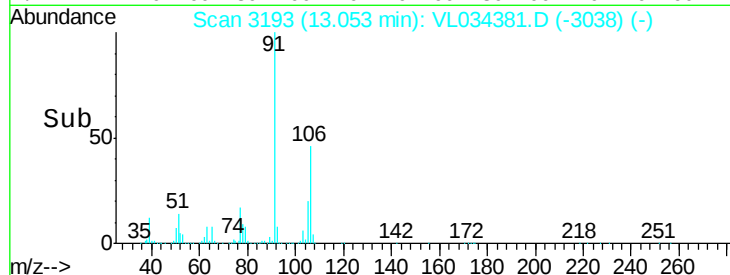
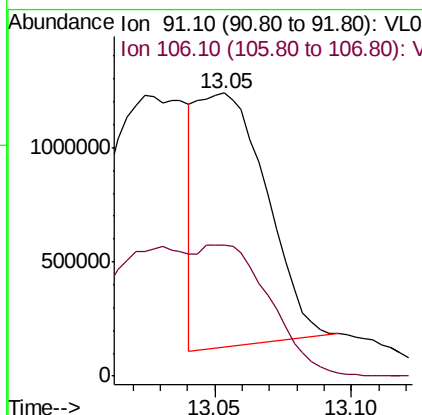
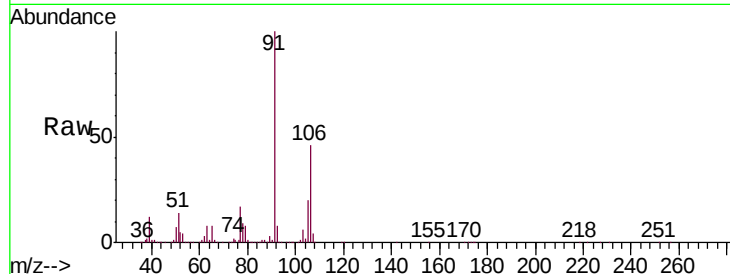




#59
m/p-Xylene
Concen: 5.251 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

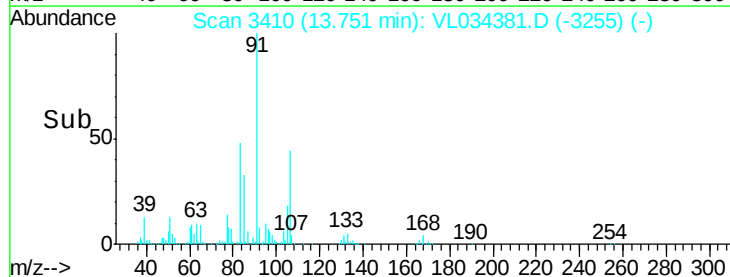
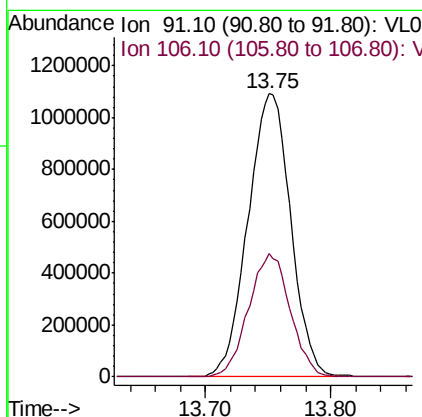
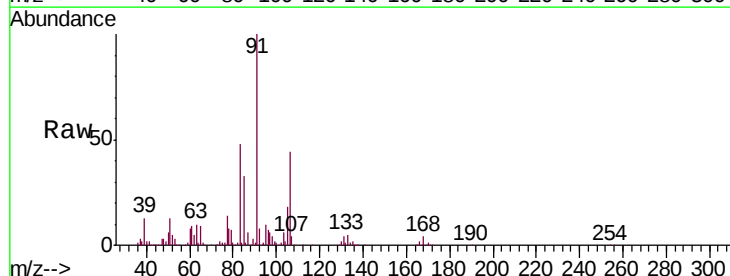
Instrument :
MSVOA_L
ClientSampleId :
BFB

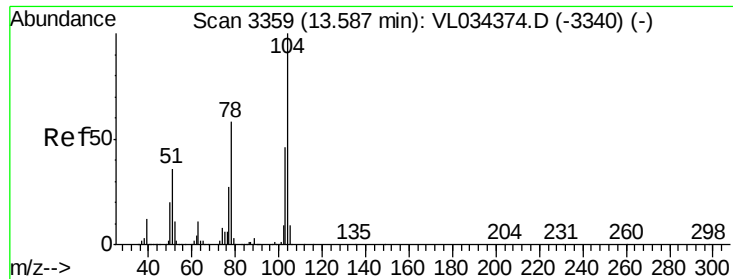
Tgt Ion: 91 Resp: 1958744
Ion Ratio Lower Upper
91 100
106 118.2 34.6 51.8#



#60
o-Xylene
Concen: 7.006 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 91 Resp: 2584109
Ion Ratio Lower Upper
91 100
106 42.6 21.3 64.0





#61

Styrene

Concen: 7.366 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

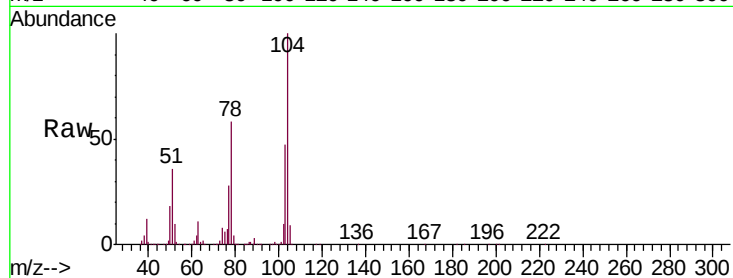
Tgt Ion:104 Resp: 1959228

Ion Ratio Lower Upper

104 100

78 58.3 47.6 71.4

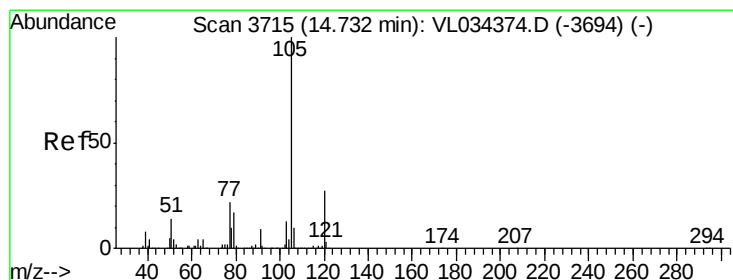
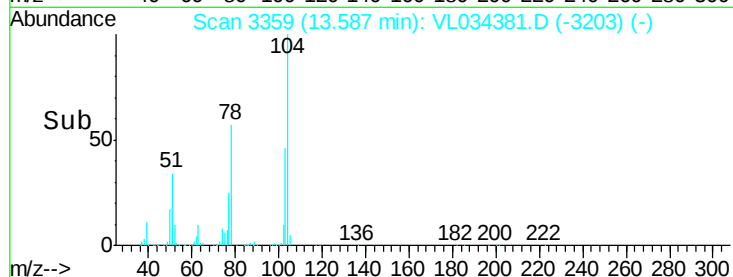
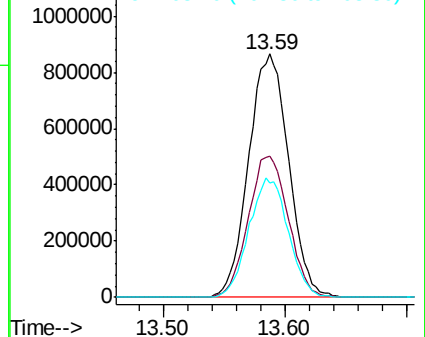
103 48.2 38.6 57.8



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: 6.938 ppbv

RT: 14.73 min Scan# 3714

Delta R.T. -0.00 min

Lab File: VL034381.D

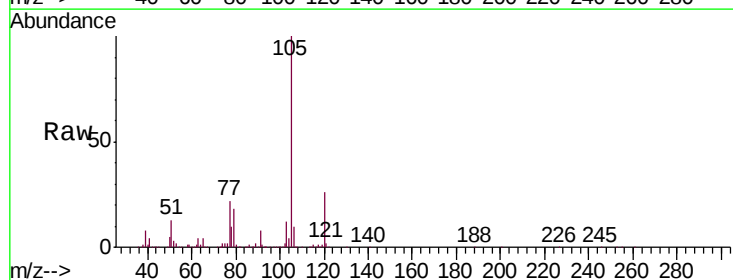
Acq: 19 Nov 2019 15:26

Tgt Ion:105 Resp: 3384458

Ion Ratio Lower Upper

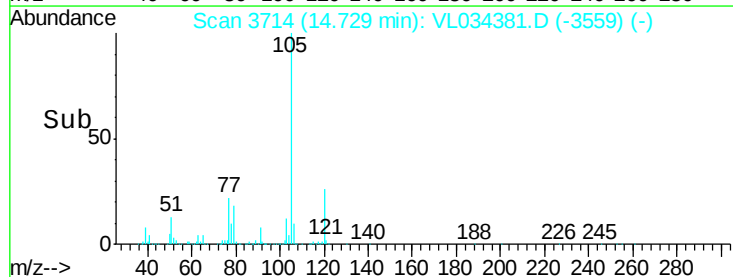
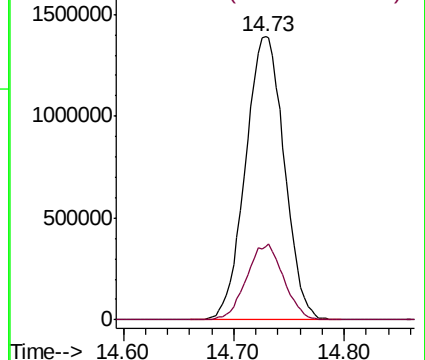
105 100

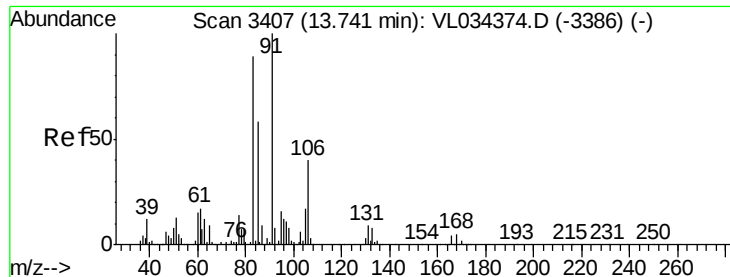
120 25.6 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

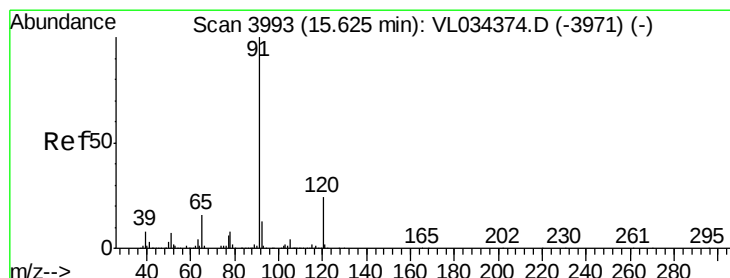
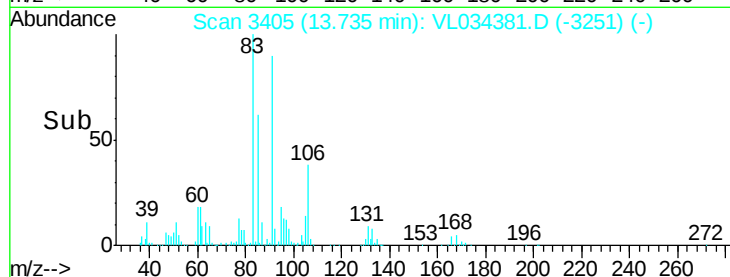
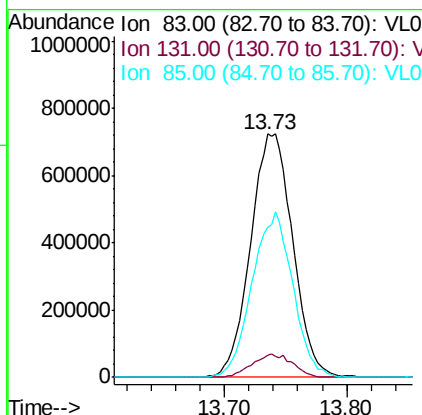
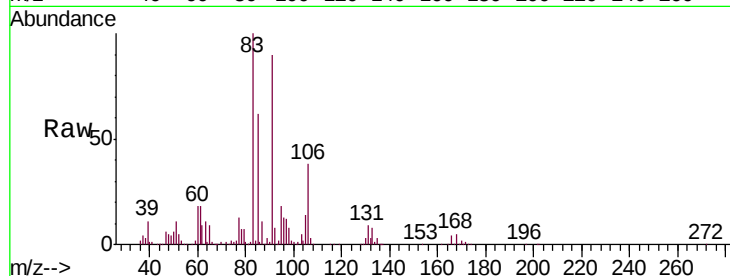




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.229 ppbv
 RT: 13.73 min Scan# 3405
 Delta R.T. -0.01 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

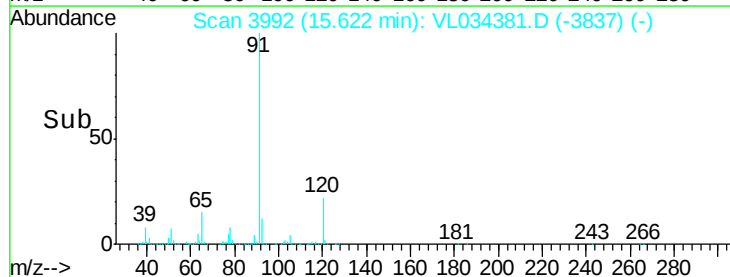
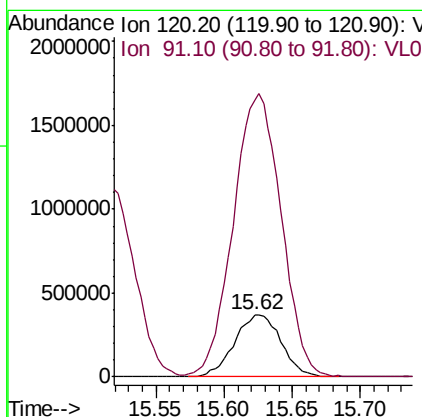
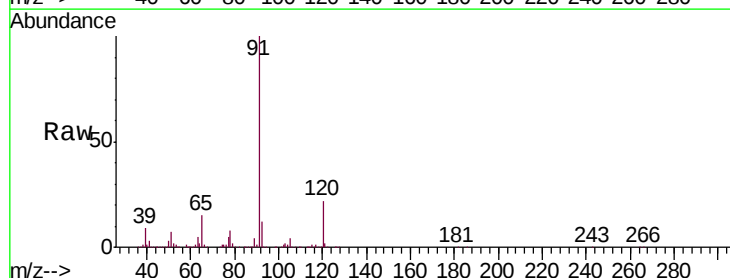
Instrument :
 MSVOA_L
 ClientSampleID :
 BFB

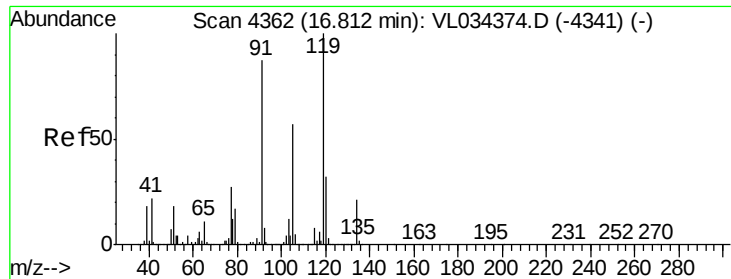
Tgt Ion: 83 Resp: 1726854
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.9 14.7
 85 65.7 32.6 97.8



#64
 n-propylbenzene
 Concen: 6.903 ppbv
 RT: 15.62 min Scan# 3992
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 120 Resp: 874494
 Ion Ratio Lower Upper
 120 100
 91 470.8 370.9 556.3

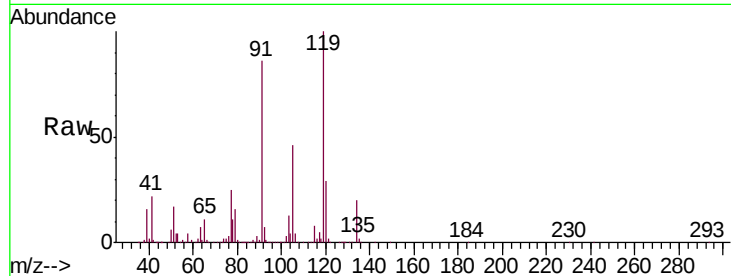




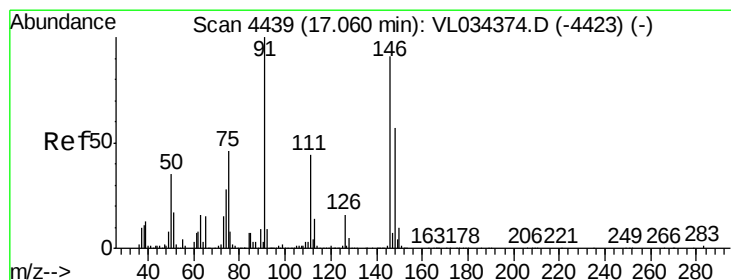
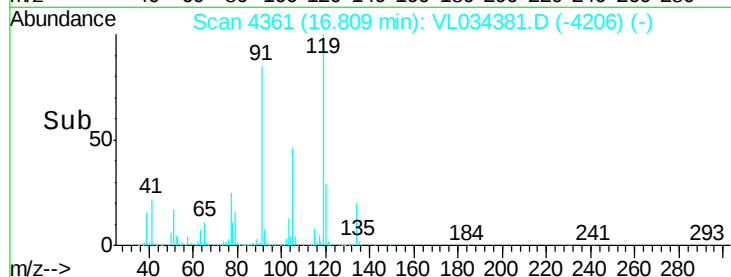
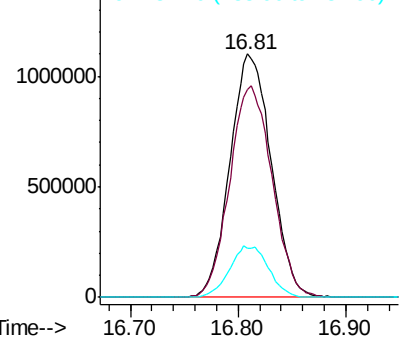
#65
tert-Butylbenzene
Concen: 6.681 ppbv
RT: 16.81 min Scan# 4361
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 119 Resp: 2927392
Ion Ratio Lower Upper
119 100
91 89.1 71.6 107.4
134 20.1 15.9 23.9

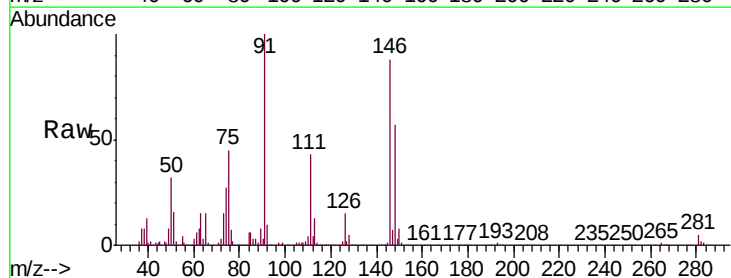


Abundance Ion 119.20 (118.90 to 119.90): V
1500000 Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

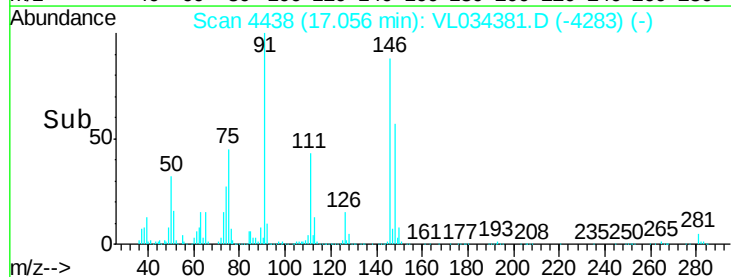
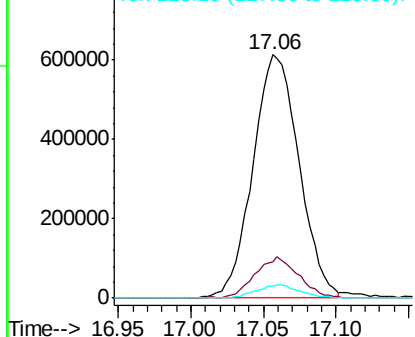


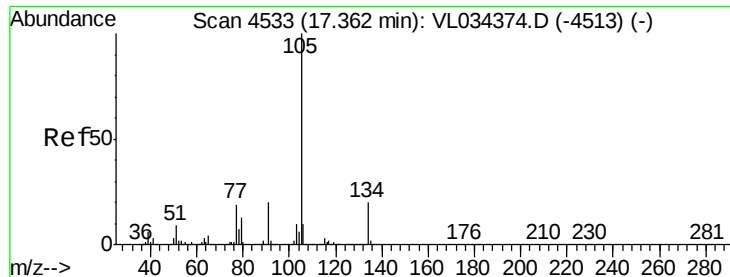
#66
Benzyl Chloride
Concen: 8.039 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion: 91 Resp: 1355086
Ion Ratio Lower Upper
91 100
126 16.1 12.9 19.3
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

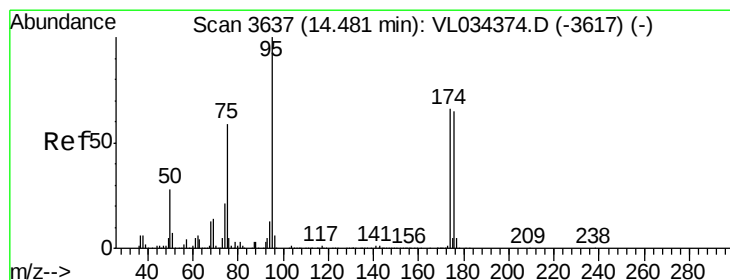
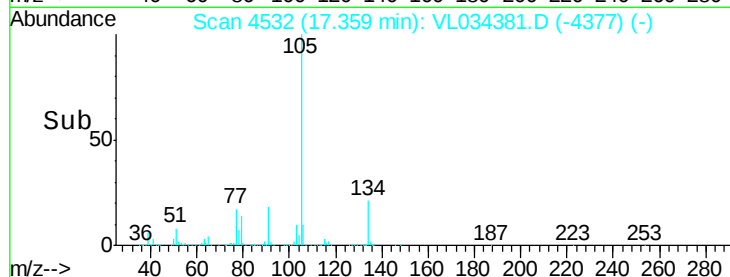
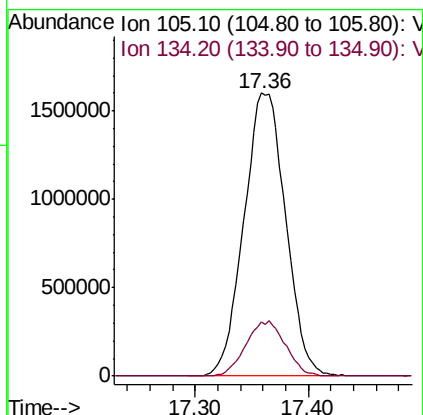
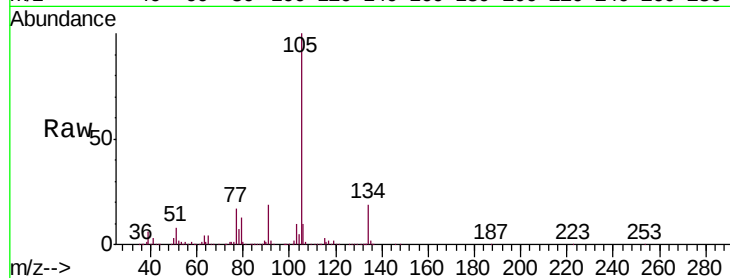




#67
 sec-Butylbenzene
 Concen: 6.689 ppbv
 RT: 17.36 min Scan# 4532
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

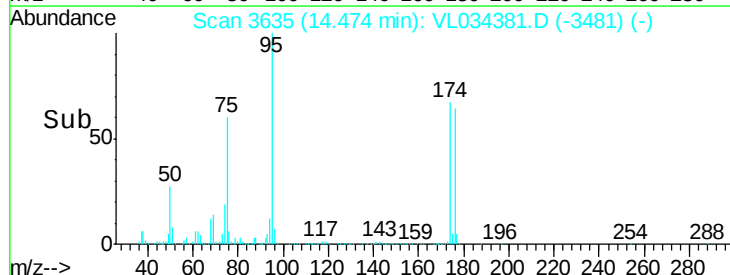
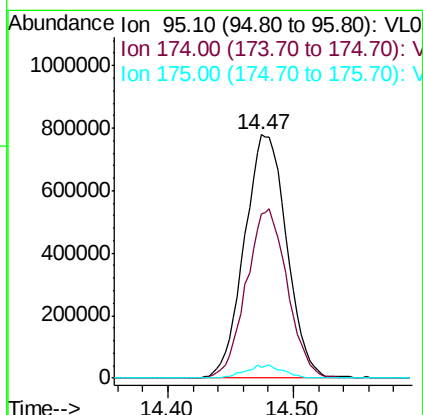
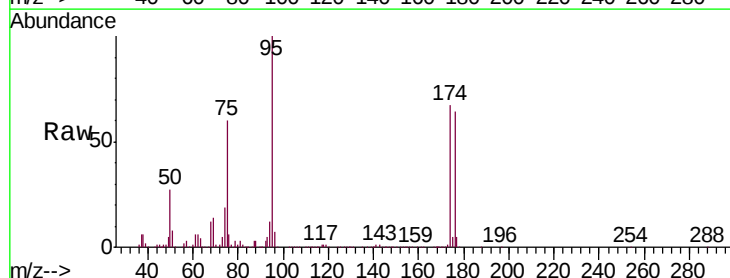
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

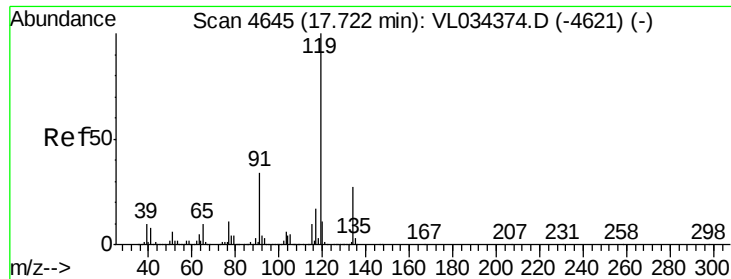
Tgt Ion: 105 Resp: 4099807
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.814 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. -0.01 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion: 95 Resp: 1828162
 Ion Ratio Lower Upper
 95 100
 174 67.4 52.2 78.2
 175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 6.710 ppbv

RT: 17.72 min Scan# 4645

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

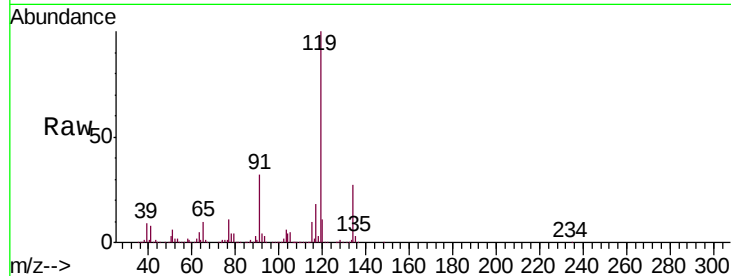
Tgt Ion: 119 Resp: 3413128

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

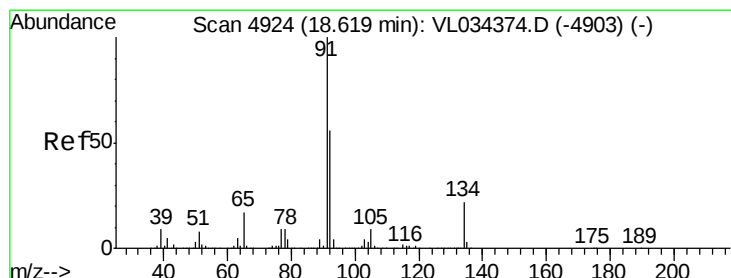
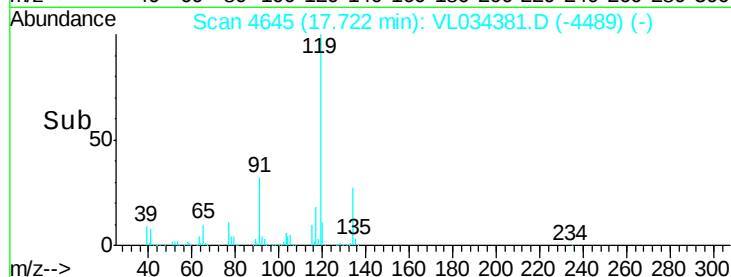
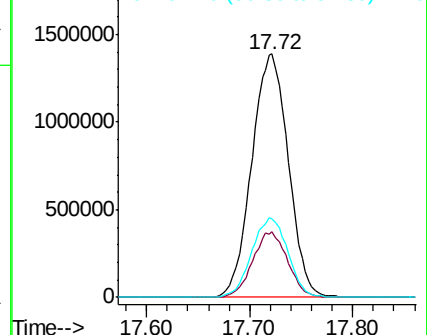
91 32.3 26.3 39.5



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: 6.707 ppbv

RT: 18.62 min Scan# 4924

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

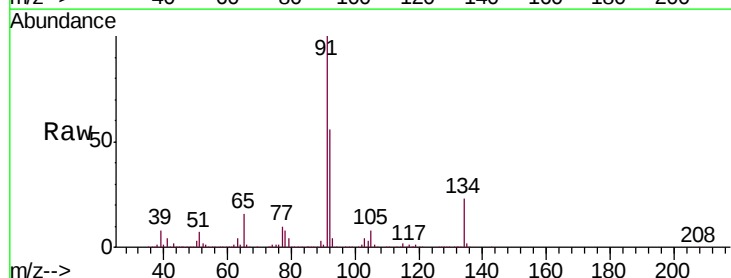
Tgt Ion: 91 Resp: 3670812

Ion Ratio Lower Upper

91 100

92 55.3 43.8 65.6

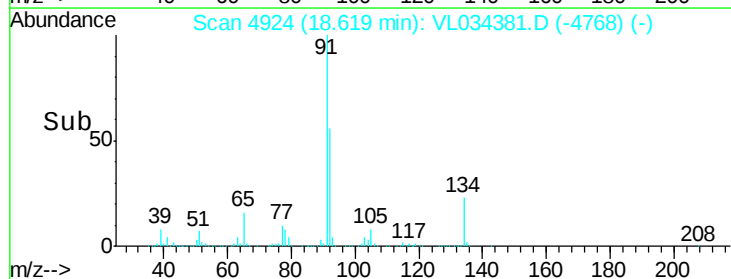
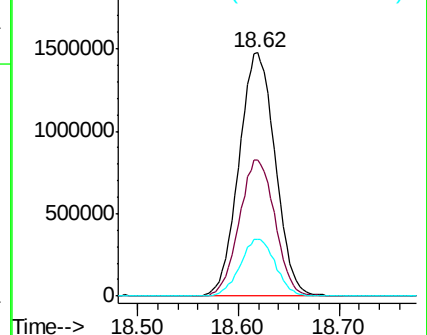
134 22.8 17.9 26.9

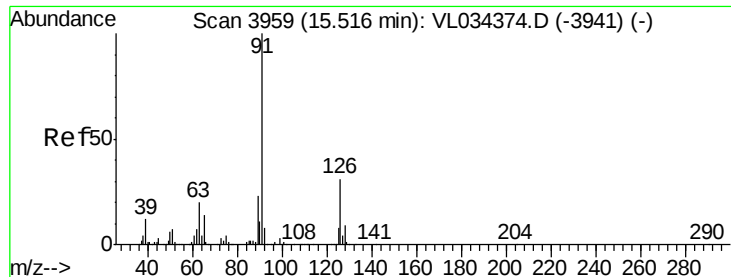


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 6.859 ppbv

RT: 15.52 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampleId :

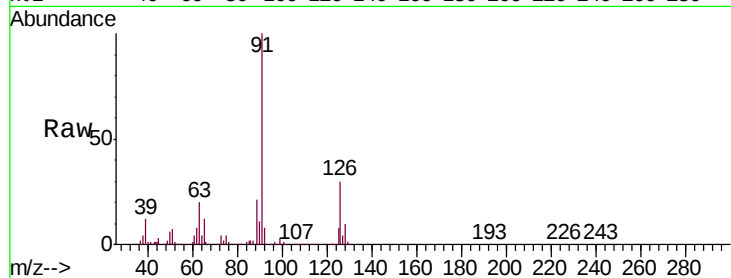
BFB

Tgt Ion: 91 Resp: 2667671

Ion Ratio Lower Upper

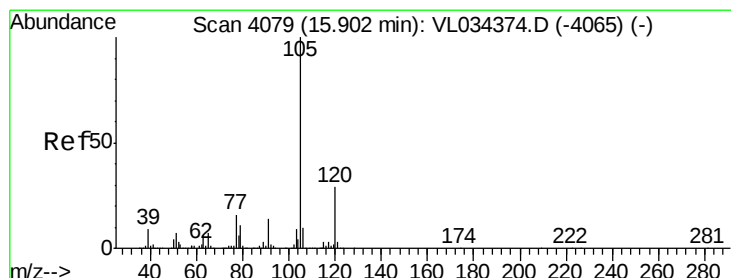
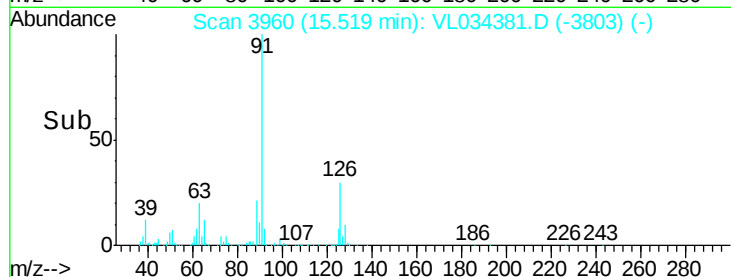
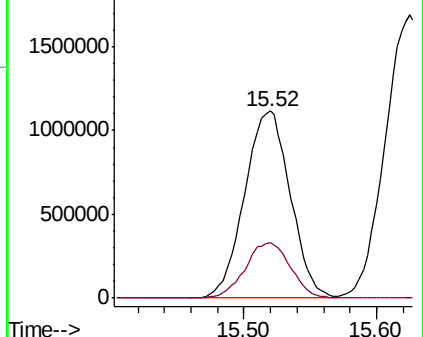
91 100

126 29.4 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 6.963 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Tgt Ion: 105 Resp: 2967543

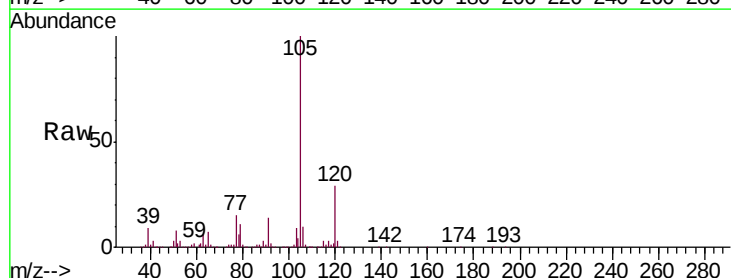
Ion Ratio Lower Upper

105 100

120 29.0 23.5 35.3

91 13.9 11.4 17.0

77 15.2 12.6 19.0

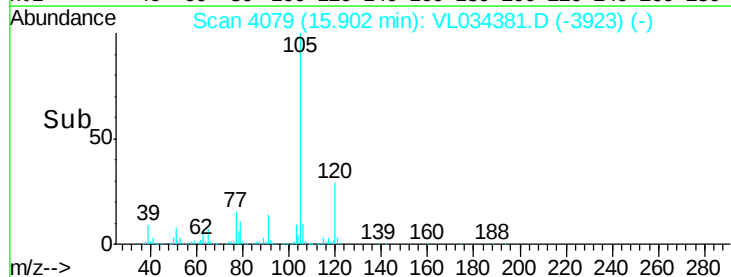
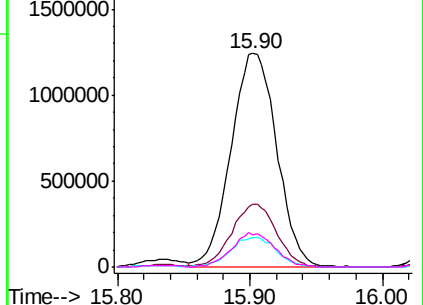


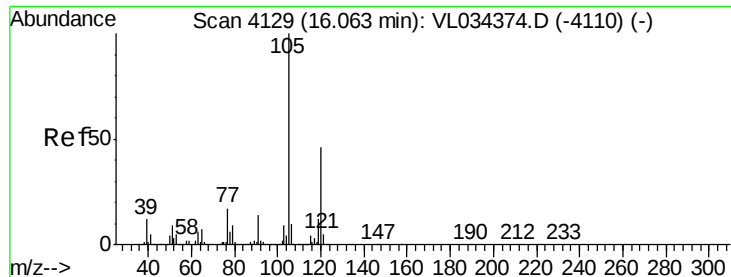
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 6.770 ppbv

RT: 16.06 min Scan# 4129

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampled :

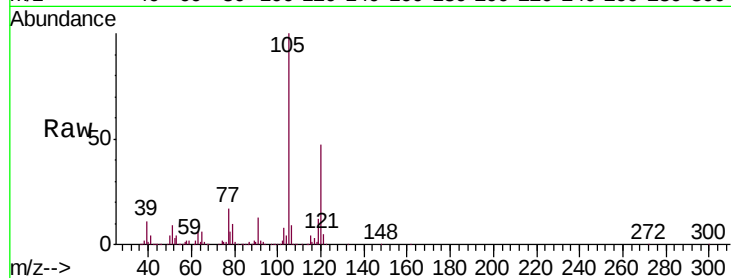
BFB

Tgt Ion:105 Resp: 2824185

Ion Ratio Lower Upper

105 100

120 47.2 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

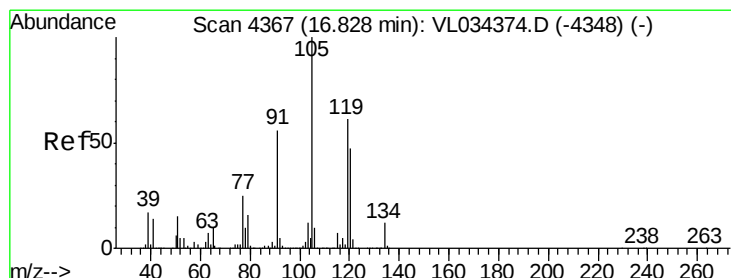
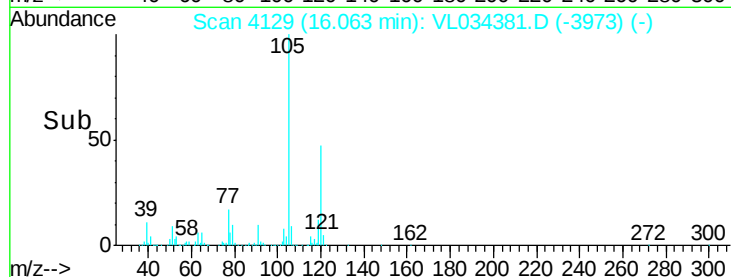
16.06

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.506 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Tgt Ion:105 Resp: 2882838

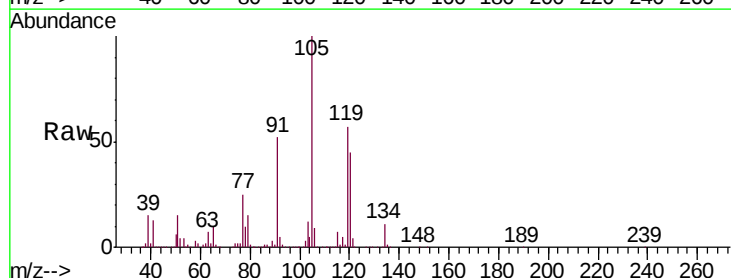
Ion Ratio Lower Upper

105 100

120 45.3 37.4 56.0

91 52.3 46.3 69.5

77 24.9 20.6 30.8



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

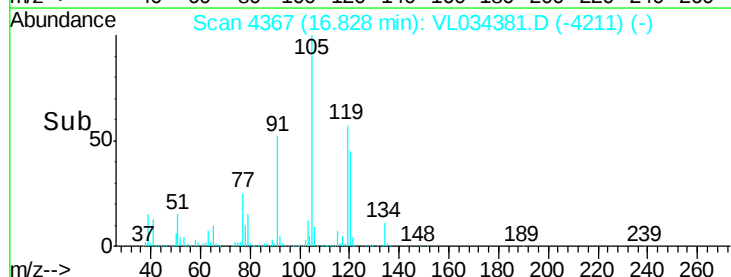
1500000

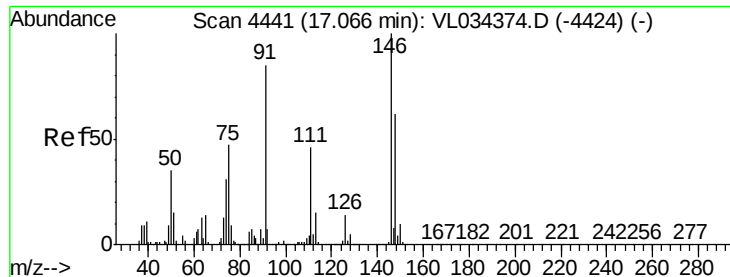
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.410 ppbv

RT: 17.07 min Scan# 4441

Delta R.T. 0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

Instrument :

MSVOA_L

ClientSampled :

BFB

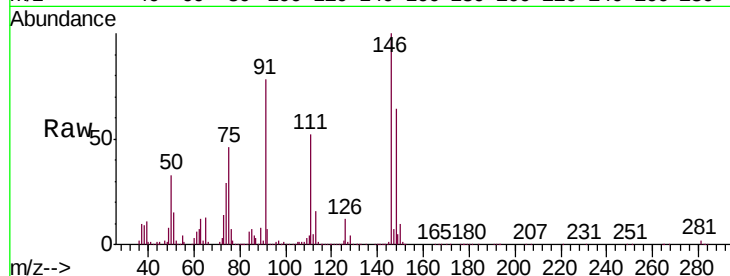
Tgt Ion:146 Resp: 1632589

Ion Ratio Lower Upper

146 100

111 49.0 24.4 73.4

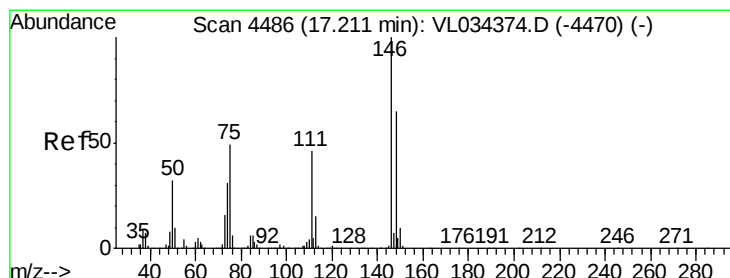
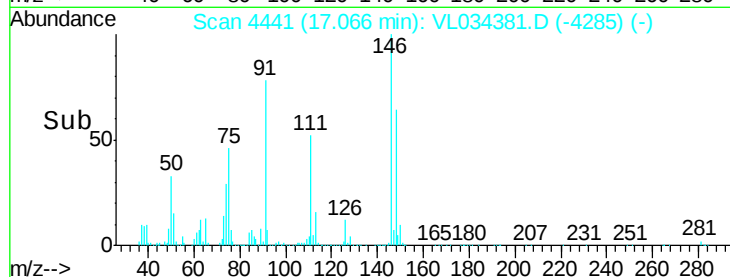
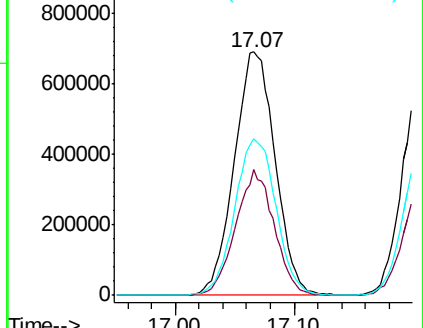
148 65.5 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.685 ppbv

RT: 17.21 min Scan# 4485

Delta R.T. -0.00 min

Lab File: VL034381.D

Acq: 19 Nov 2019 15:26

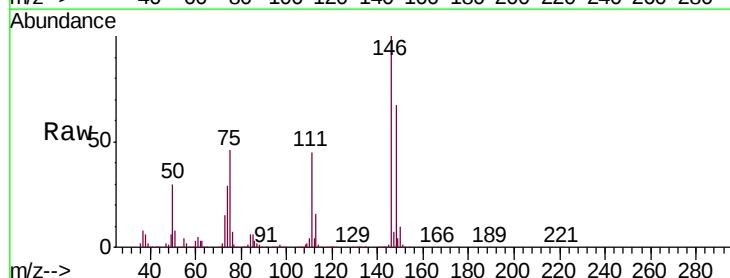
Tgt Ion:146 Resp: 1653413

Ion Ratio Lower Upper

146 100

111 47.0 24.1 72.3

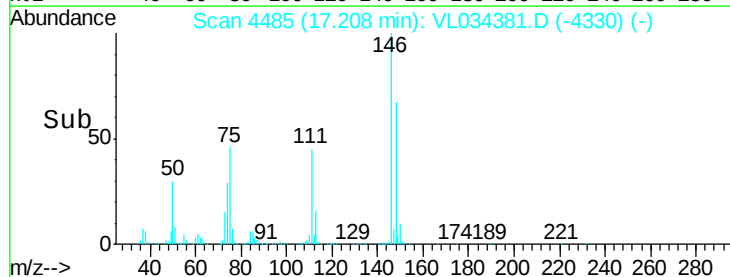
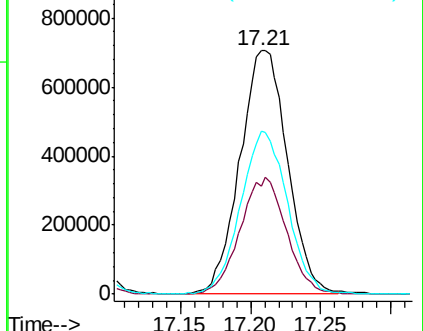
148 66.1 32.9 98.6

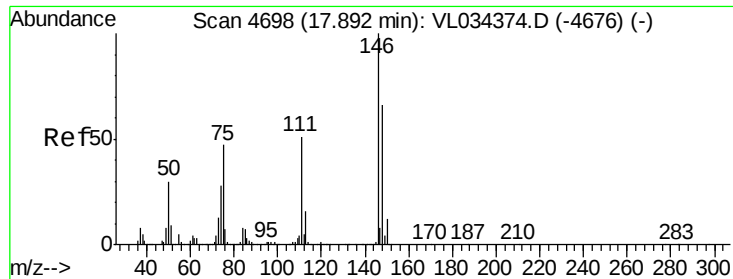


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

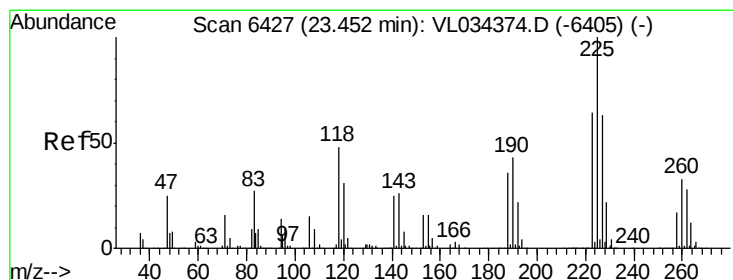
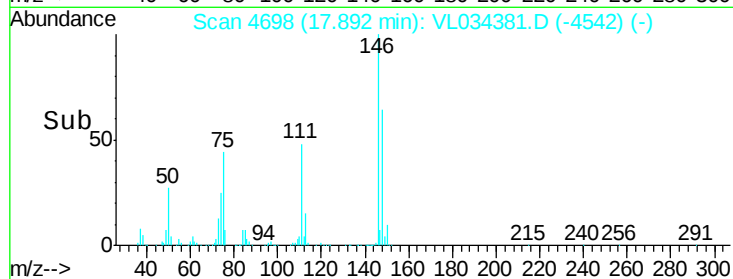
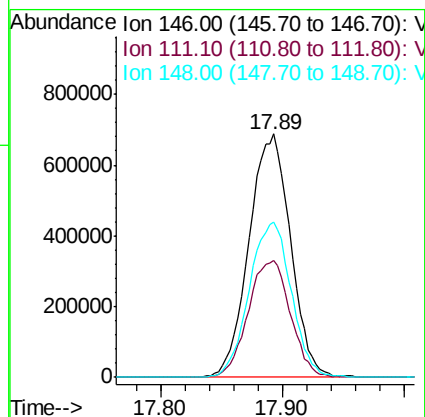
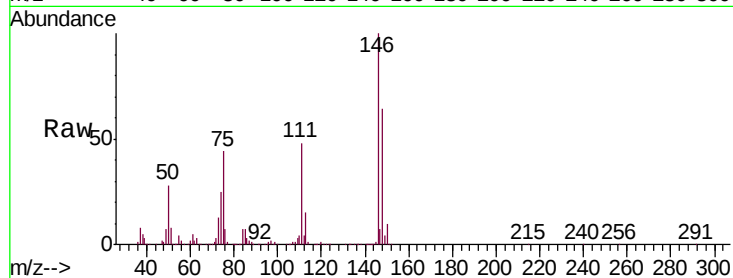




#77
 1,2-Dichlorobenzene
 Concen: 6.572 ppbv
 RT: 17.89 min Scan# 4698
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

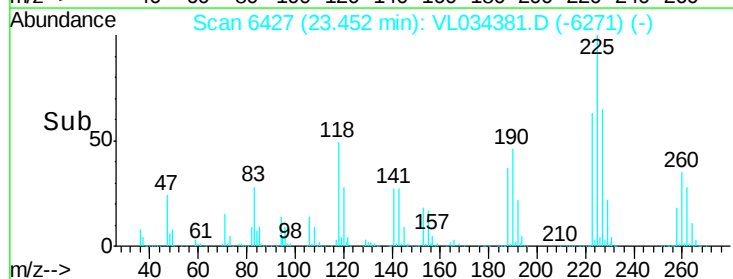
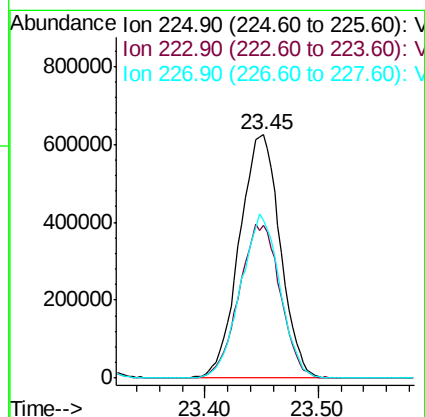
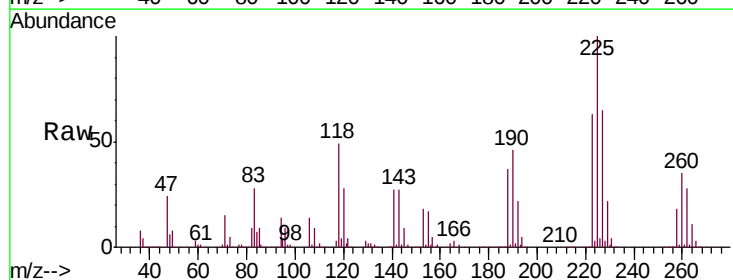
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

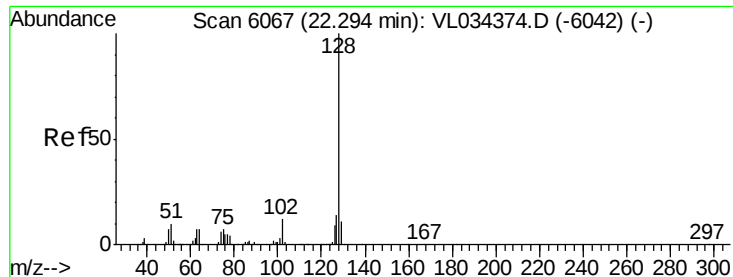
Tgt Ion:146 Resp: 1616913
 Ion Ratio Lower Upper
 146 100
 111 49.1 25.0 75.0
 148 64.9 32.7 98.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.402 ppbv
 RT: 23.45 min Scan# 6427
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Tgt Ion:225 Resp: 1564492
 Ion Ratio Lower Upper
 225 100
 223 64.0 50.2 75.2
 227 64.9 51.5 77.3

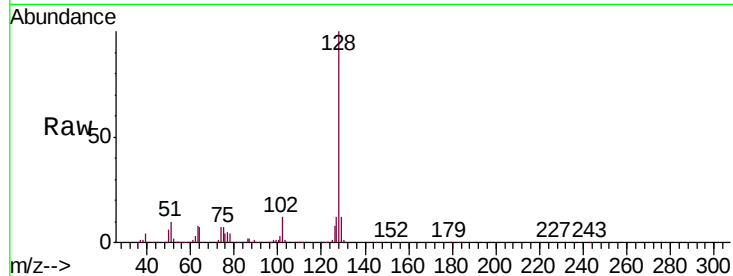




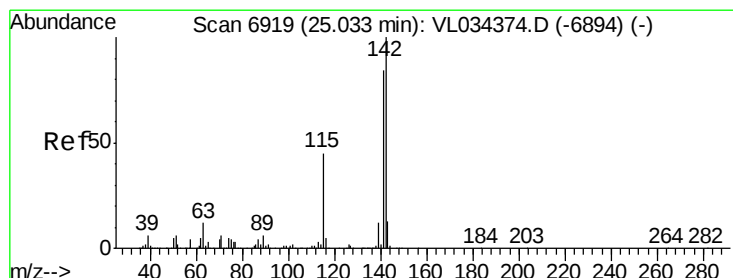
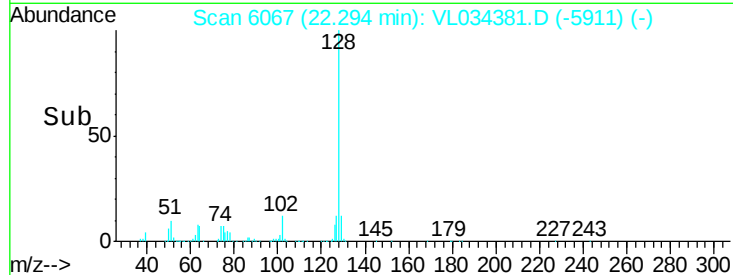
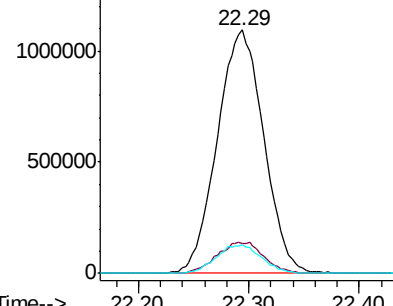
#79
Naphthalene
Concen: 8.237 ppbv
RT: 22.29 min Scan# 6067
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion:128 Resp: 3164060
Ion Ratio Lower Upper
128 100
127 12.4 11.0 16.6
129 11.8 8.9 13.3

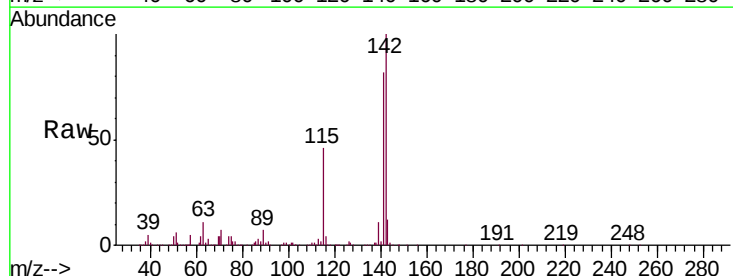


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

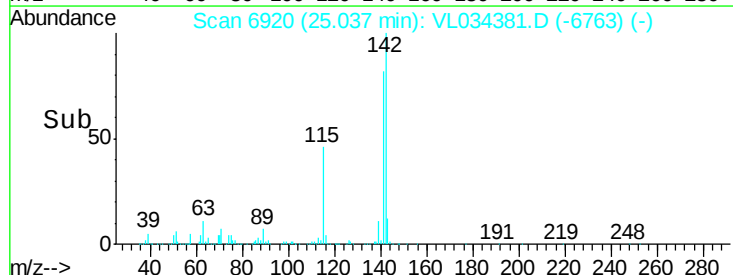
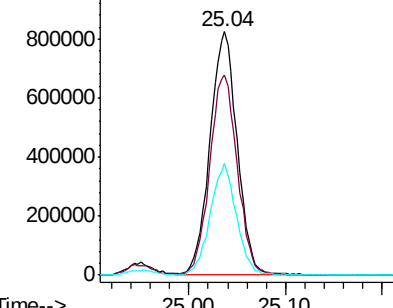


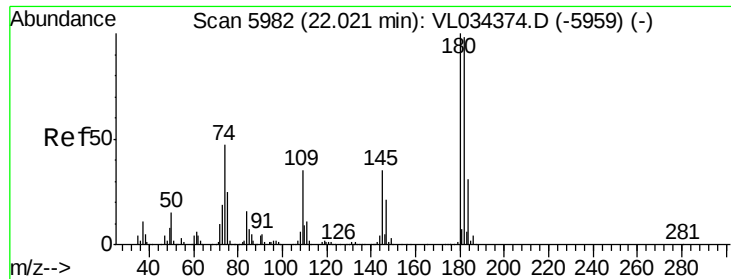
#80
Naphthalene, 2-methyl-
Concen: 9.289 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

Tgt Ion:142 Resp: 1611281
Ion Ratio Lower Upper
142 100
141 83.3 67.1 100.7
115 44.2 36.6 54.8



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: 7.781 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1836322
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.8 115.2
 184 32.1 24.9 37.3

