

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 :
 ICVVL111919

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

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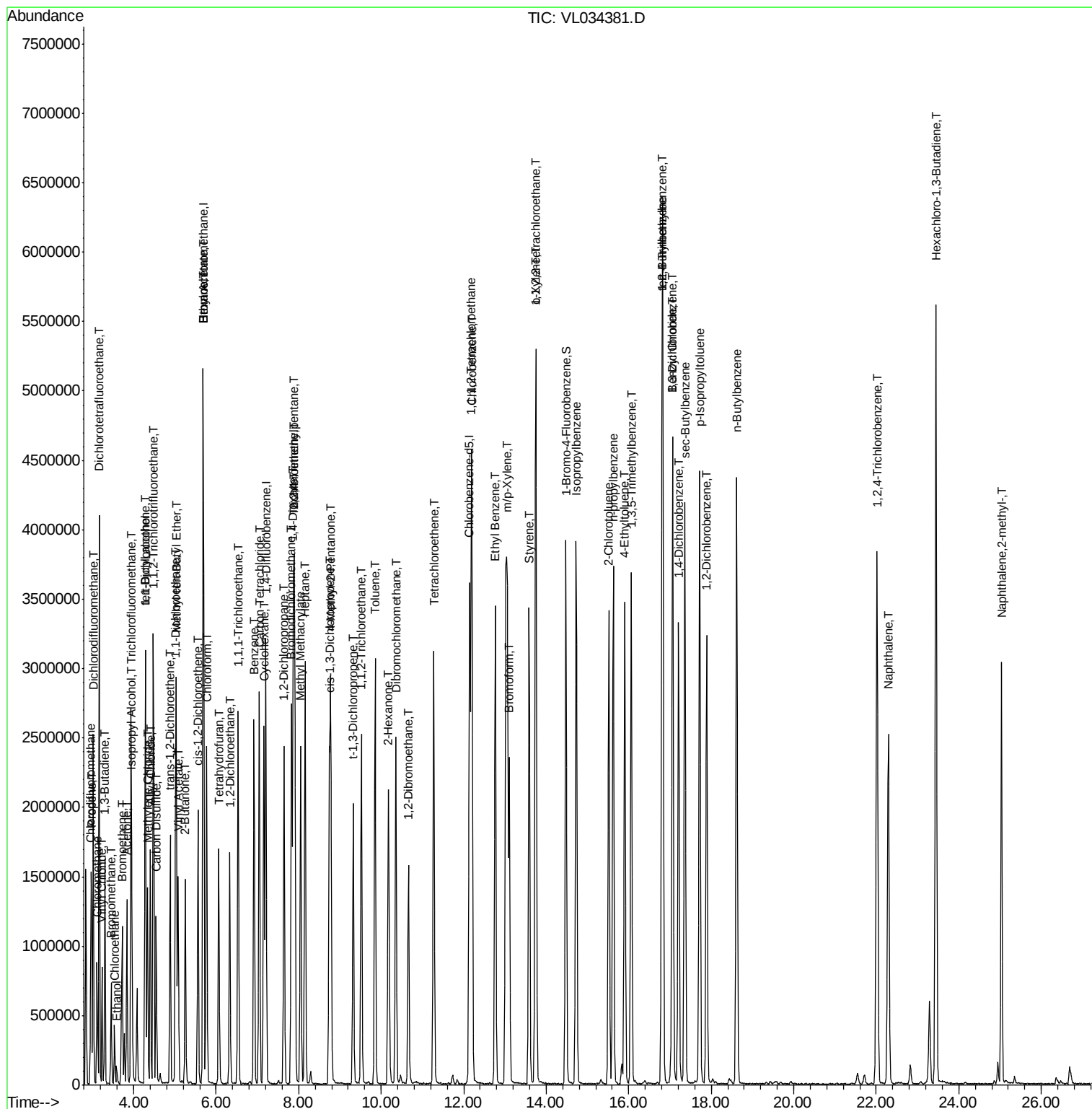
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

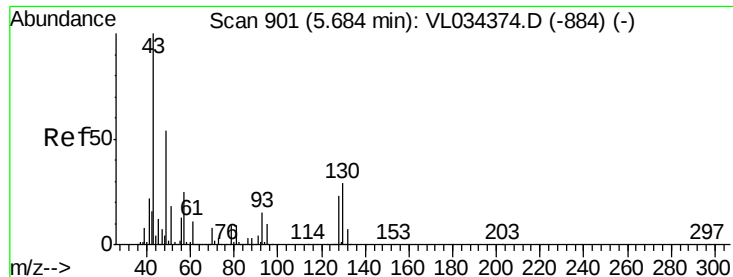
Quant Time: Nov 20 04:04:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3572805	8.911	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1218936	10.445	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1338162	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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

ICVVL111919

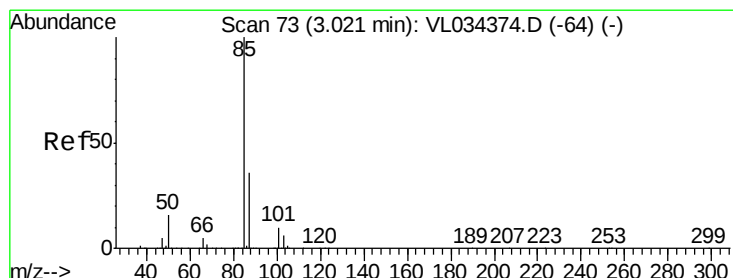
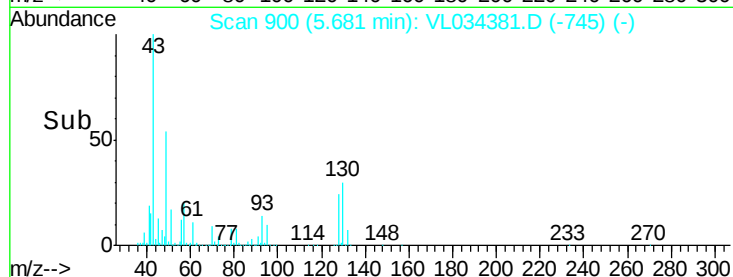
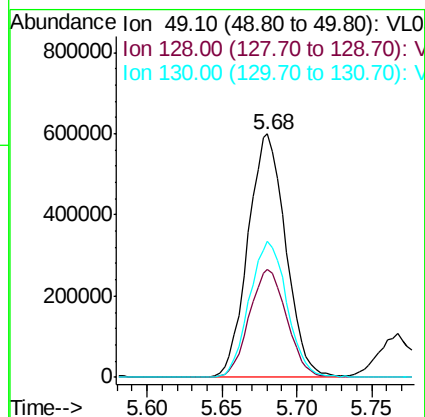
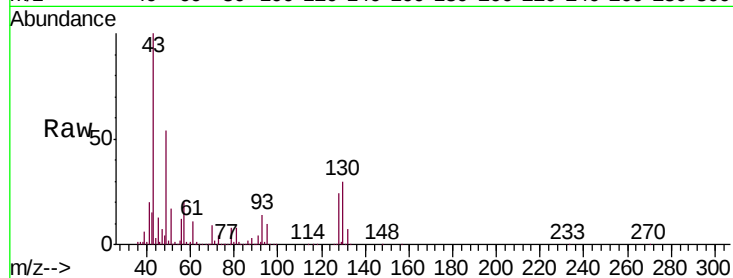
Tgt Ion: 49 Resp: 1052906

Ion Ratio Lower Upper

49 100

128 44.2 21.8 65.3

130 56.2 28.0 84.0



#2

Dichlorodifluoromethane

Concen: 8.966 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034381.D

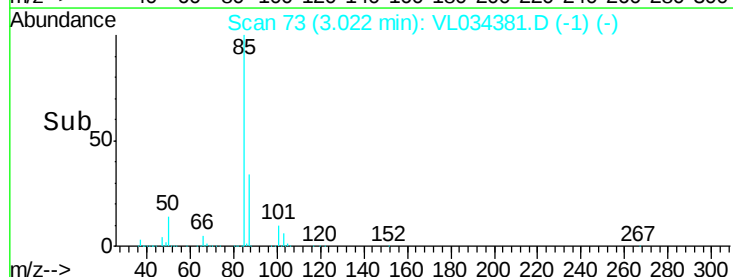
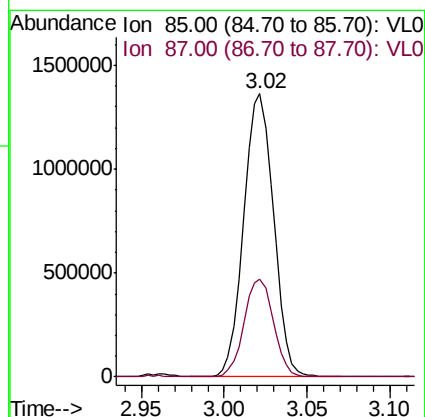
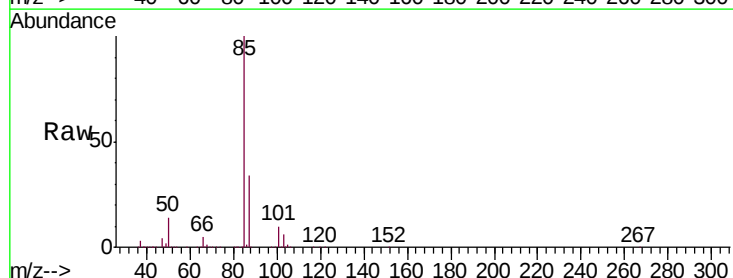
Acq: 19 Nov 2019 15:26

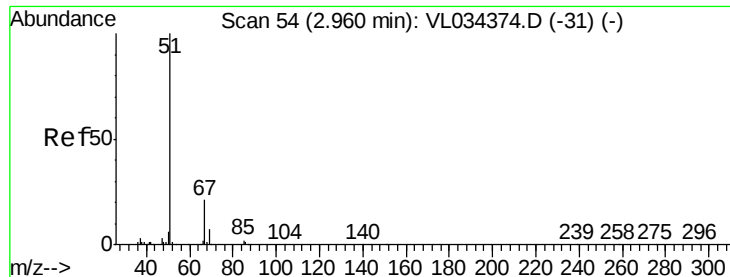
Tgt Ion: 85 Resp: 1707789

Ion Ratio Lower Upper

85 100

87 34.5 28.5 42.7





#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 :

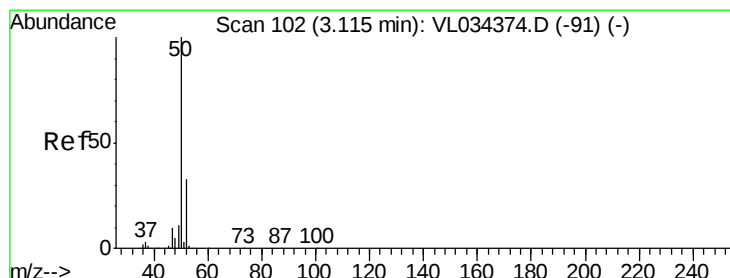
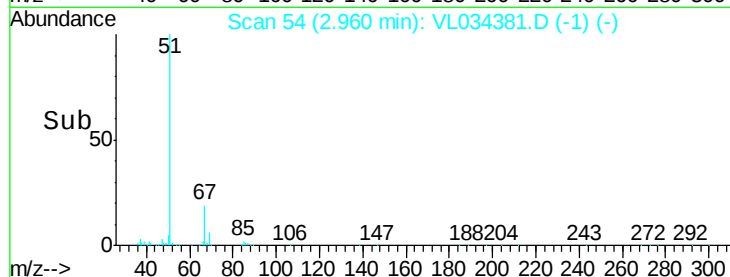
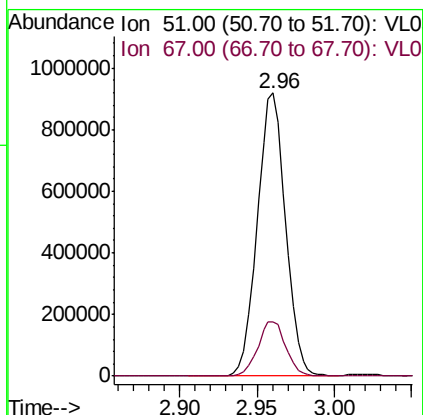
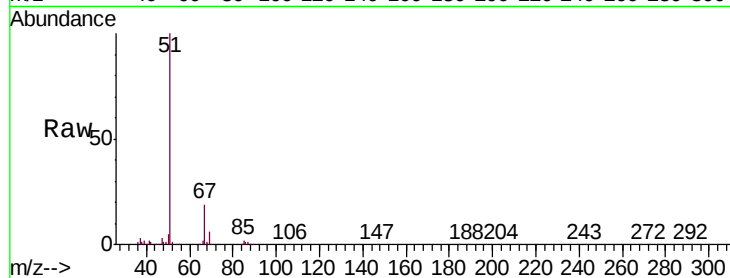
ICVVL111919

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

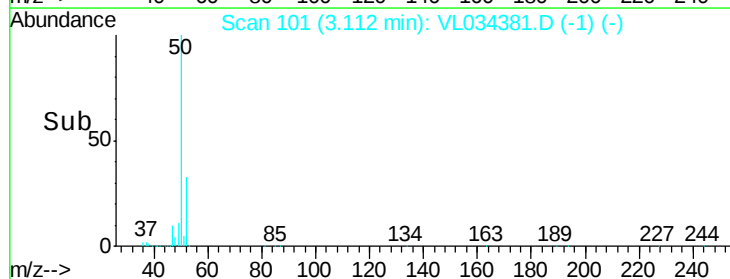
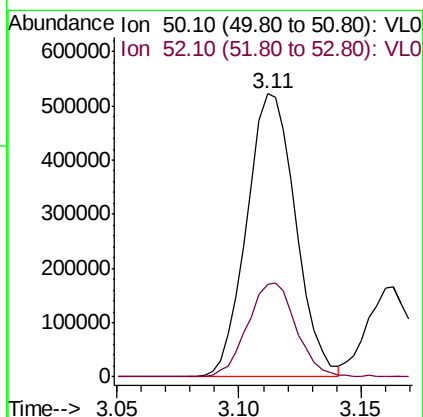
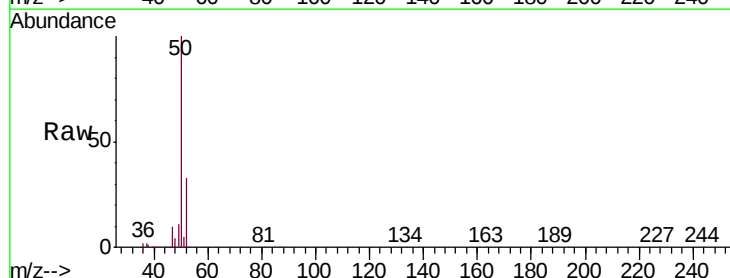
Acq: 19 Nov 2019 15:26

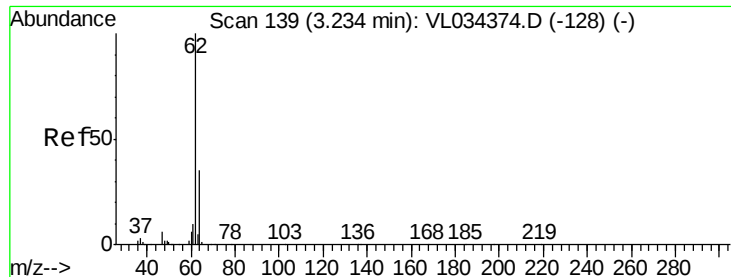
Tgt Ion: 50 Resp: 727096

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

ClientSampleId :

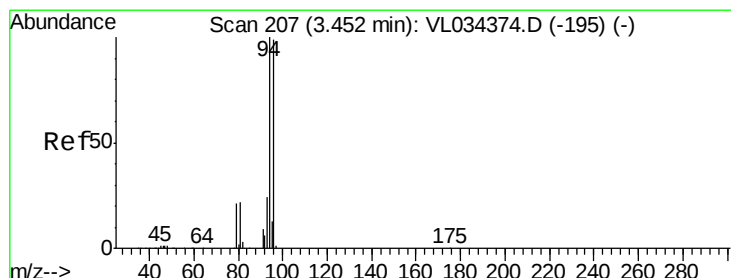
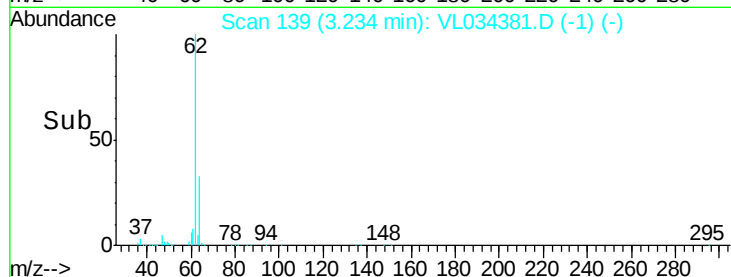
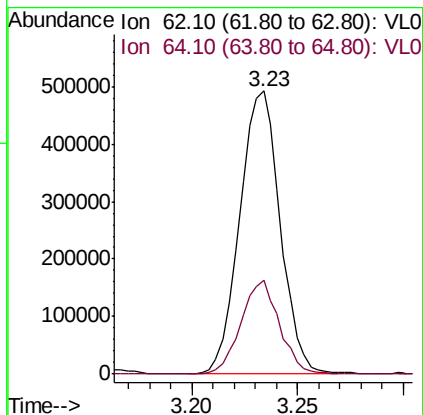
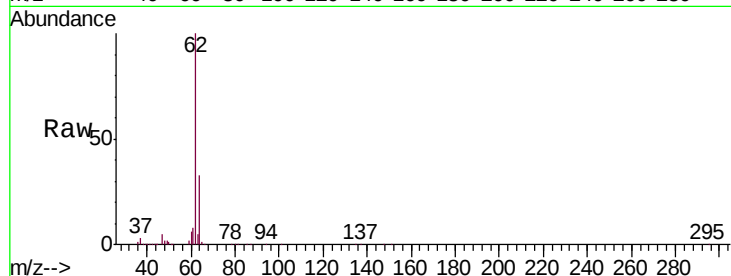
ICVVL111919

Tgt Ion: 62 Resp: 655600

Ion Ratio Lower Upper

62 100

64 33.2 28.4 42.6



#6

Bromomethane

Concen: 9.593 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL034381.D

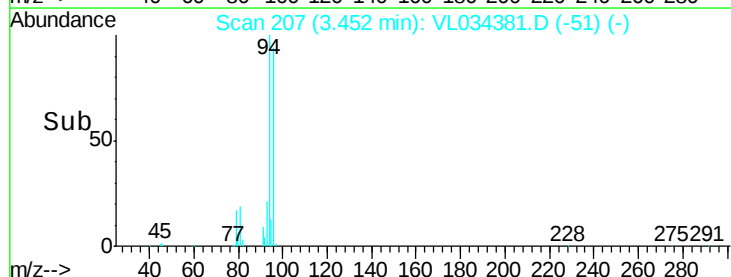
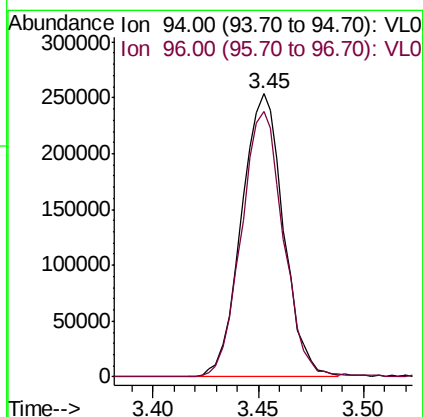
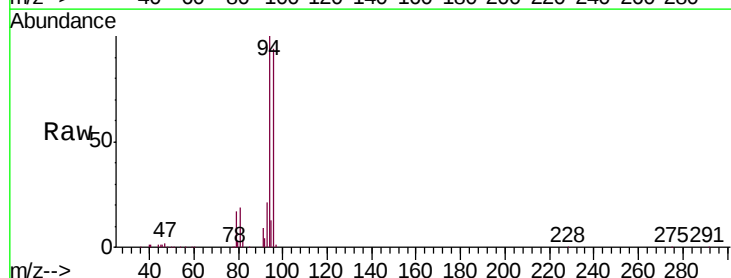
Acq: 19 Nov 2019 15:26

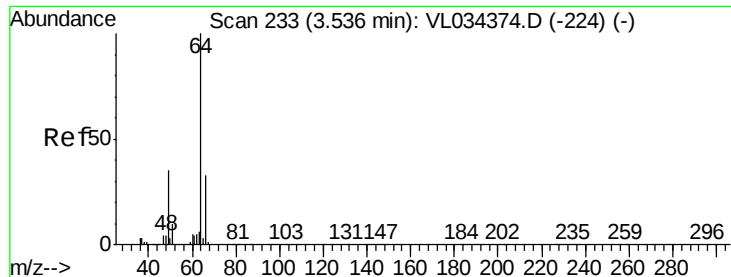
Tgt Ion: 94 Resp: 350445

Ion Ratio Lower Upper

94 100

96 93.6 79.5 119.3





#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 :

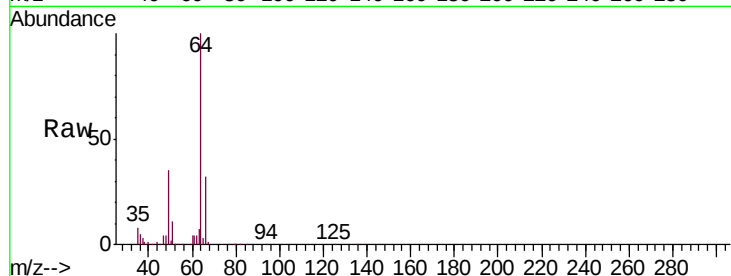
ICVVL111919

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

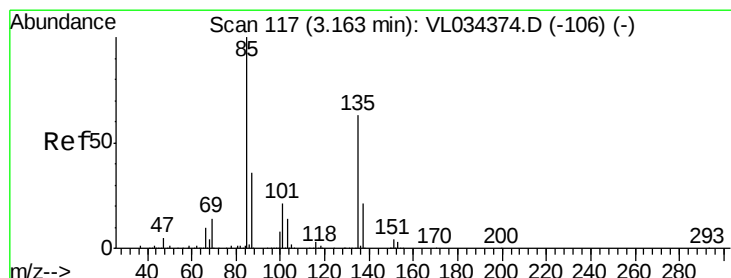
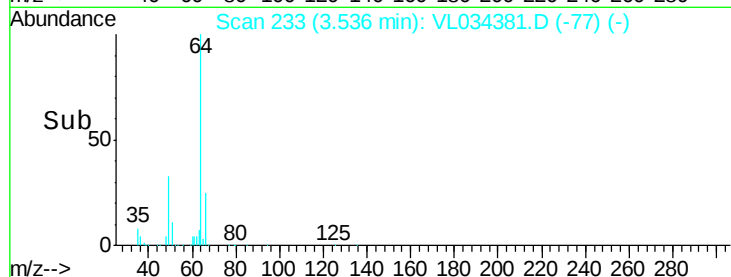
150000

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

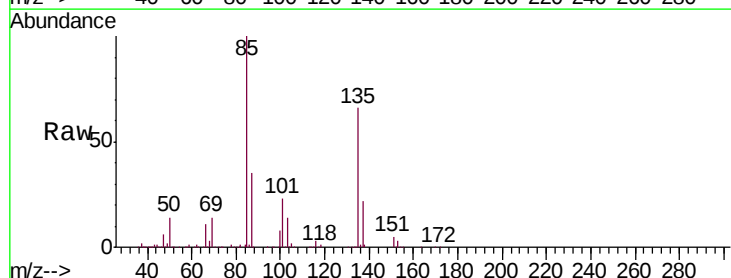
Acq: 19 Nov 2019 15:26

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

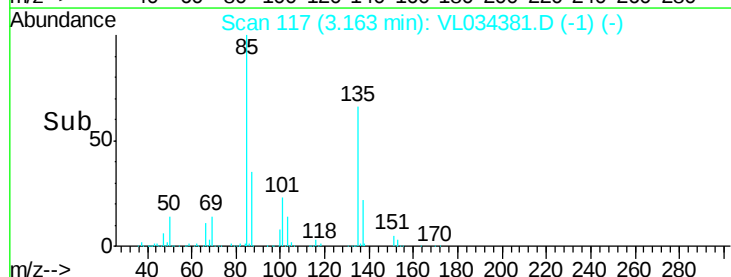
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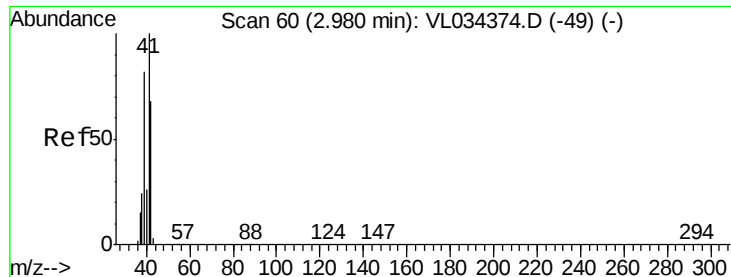
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500000

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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 :

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ClientSampleId :

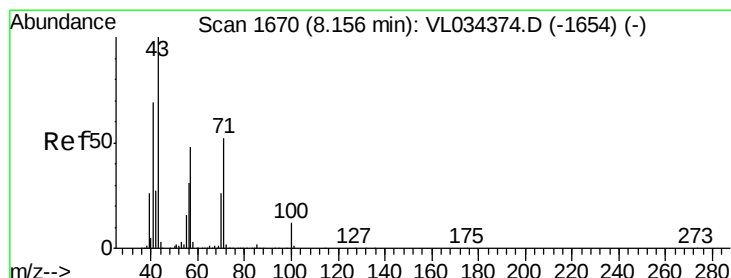
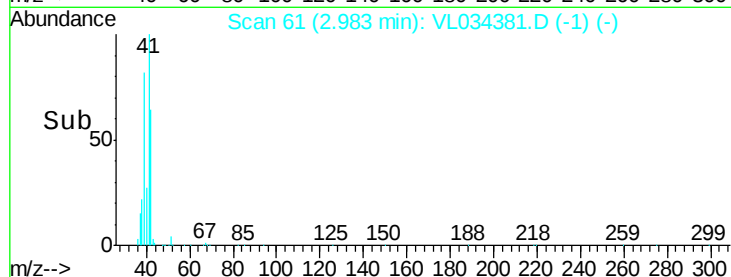
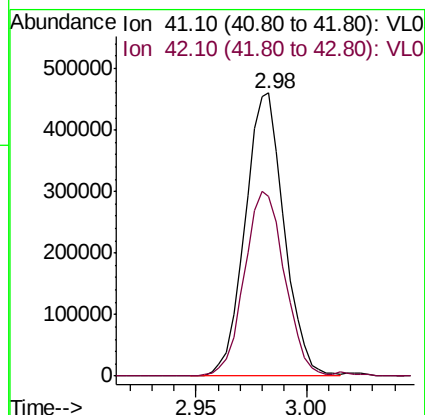
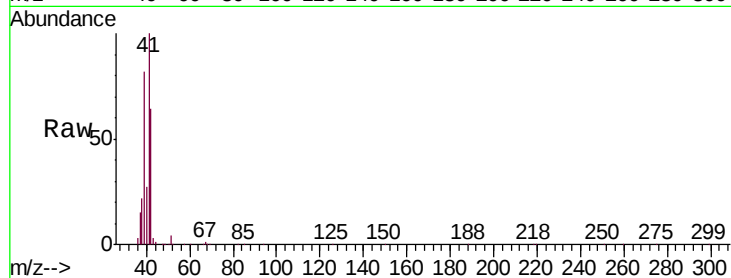
ICVVL111919

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

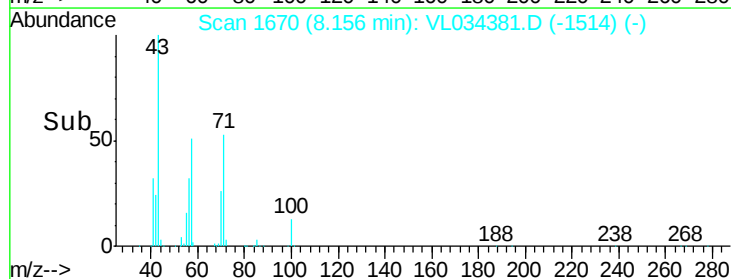
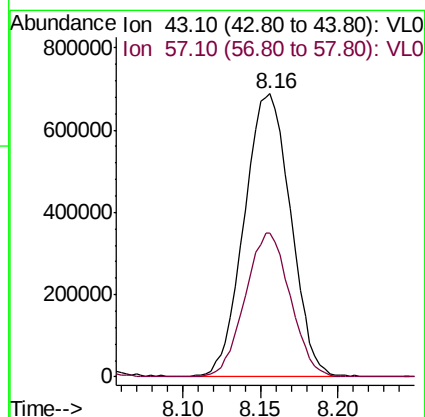
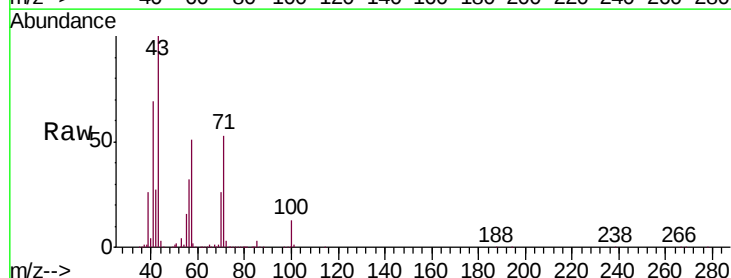
Acq: 19 Nov 2019 15:26

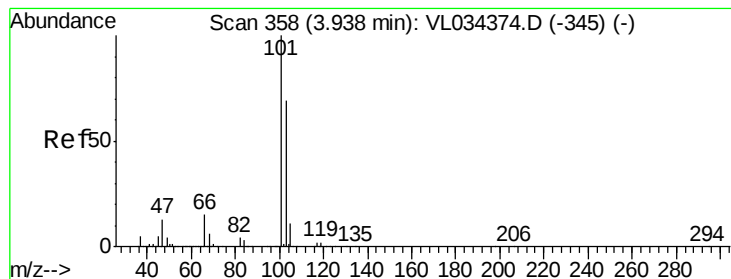
Tgt Ion: 43 Resp: 1434481

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

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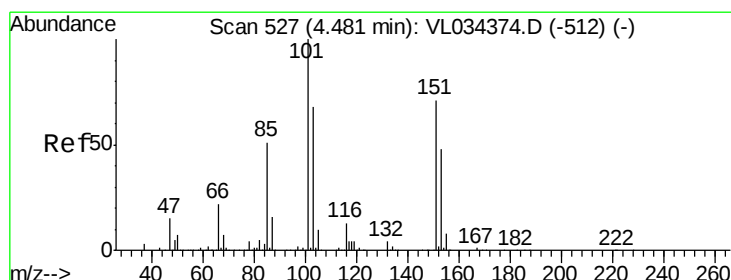
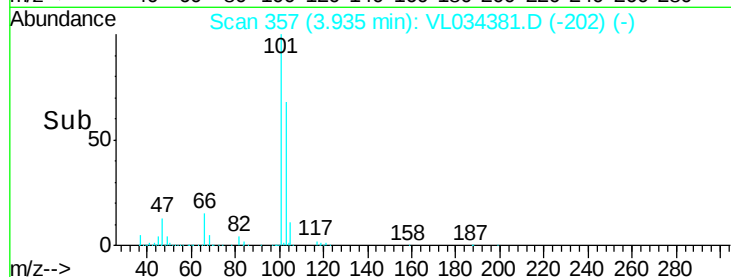
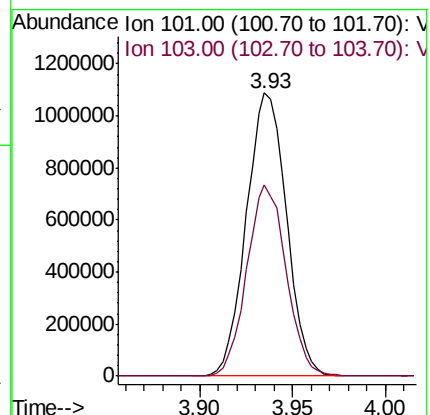
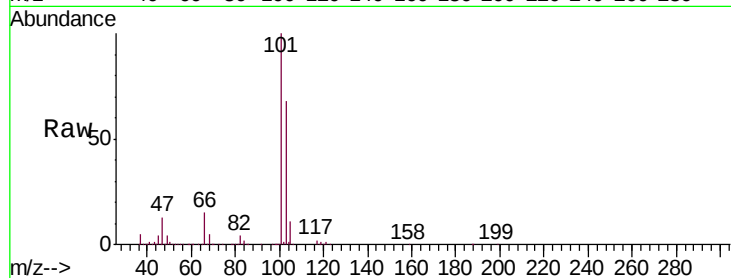
ICVVL111919

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

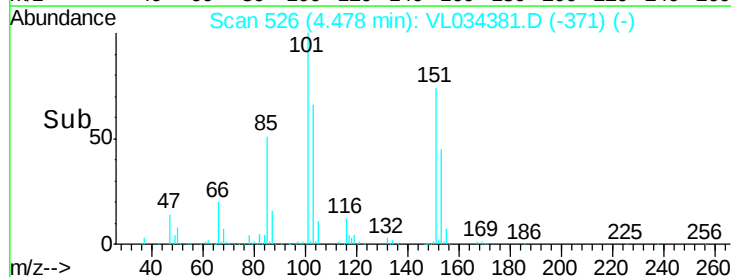
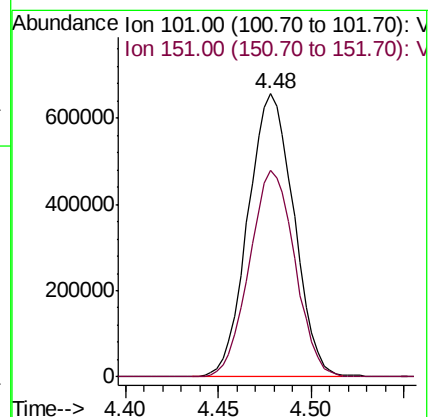
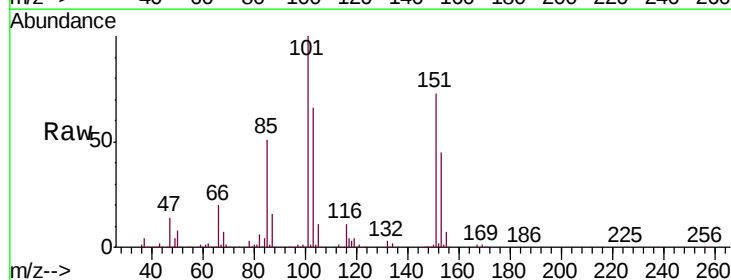
Acq: 19 Nov 2019 15:26

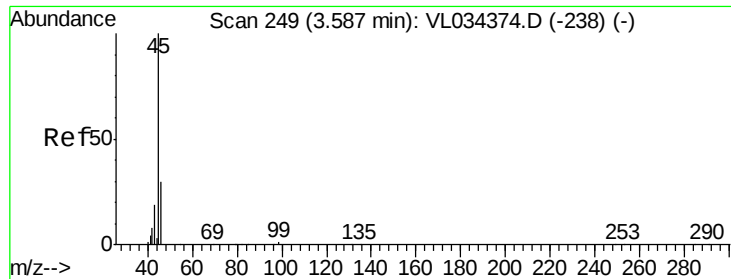
Tgt Ion:101 Resp: 1128337

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 :

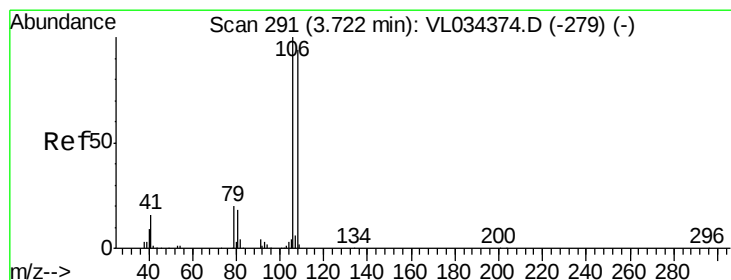
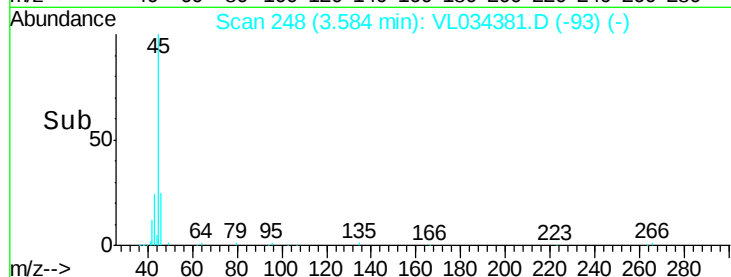
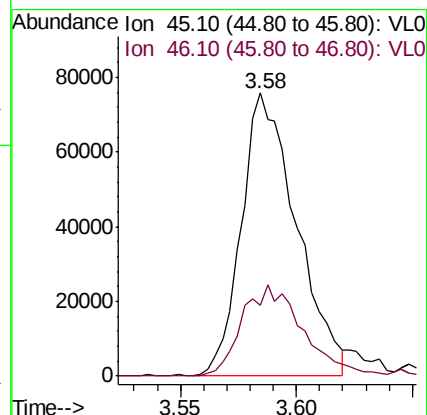
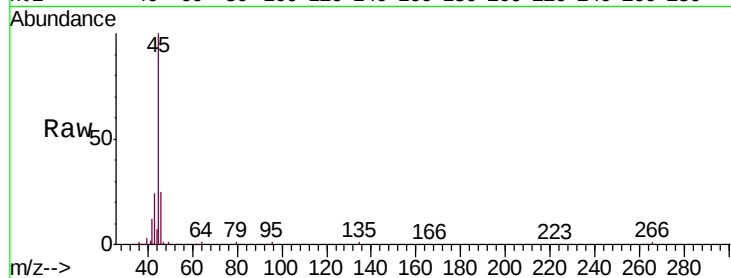
ICVVL111919

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

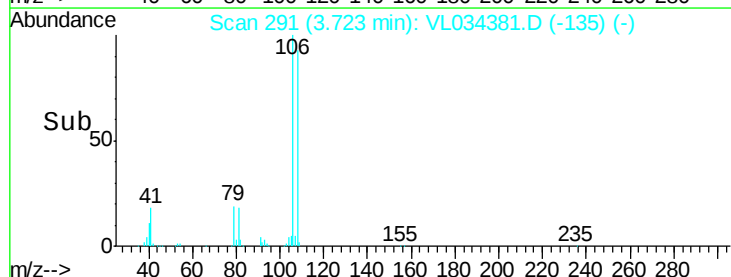
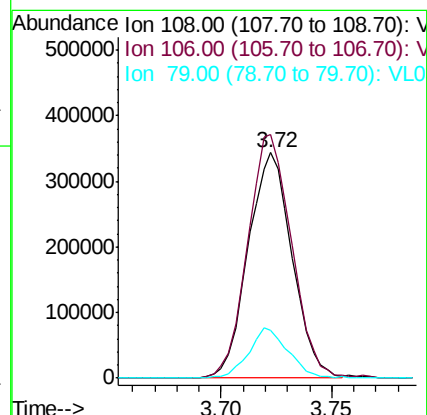
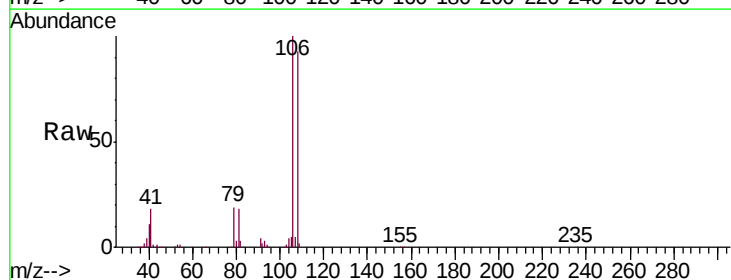
Tgt Ion: 108 Resp: 474893

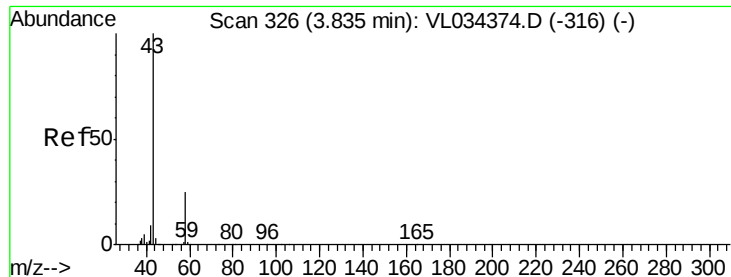
Ion Ratio Lower Upper

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 :

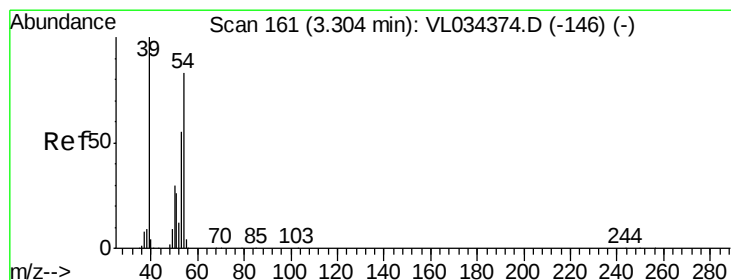
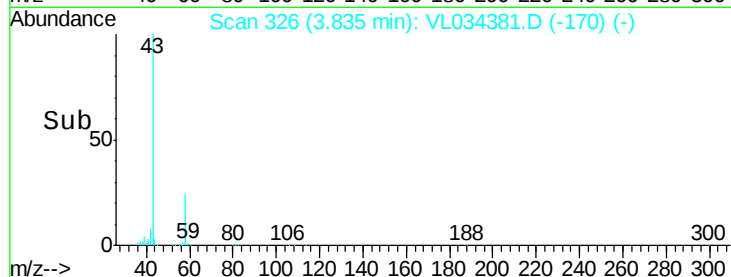
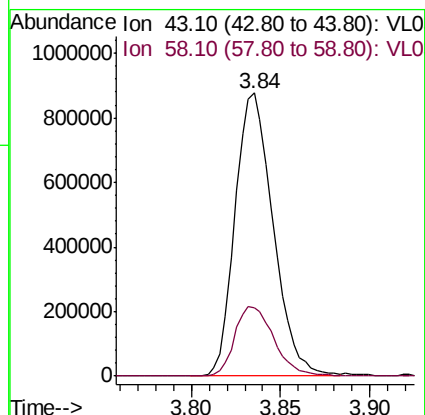
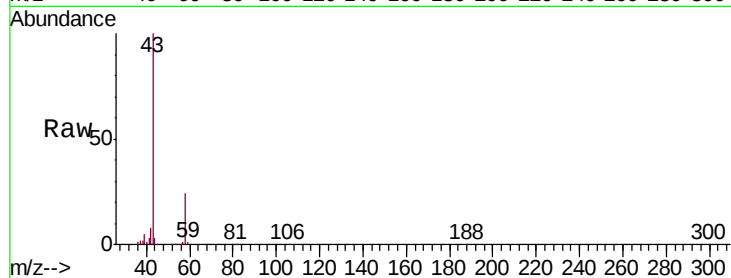
ICVVL111919

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

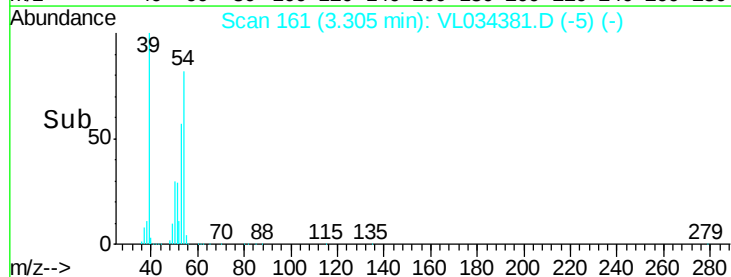
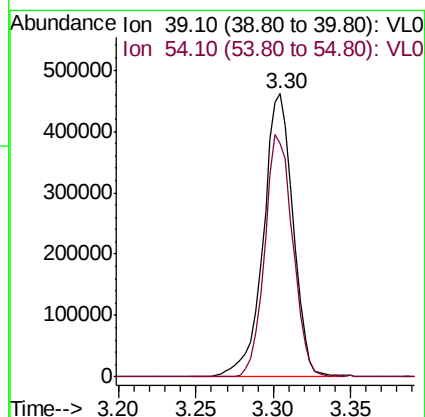
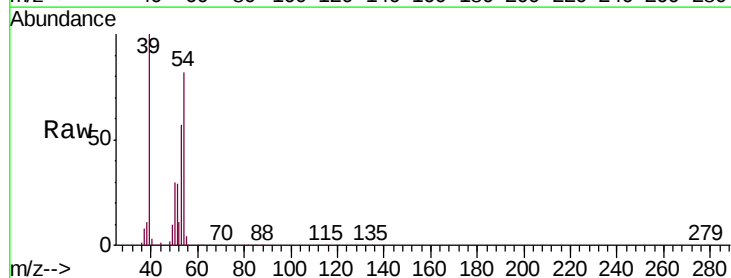
Acq: 19 Nov 2019 15:26

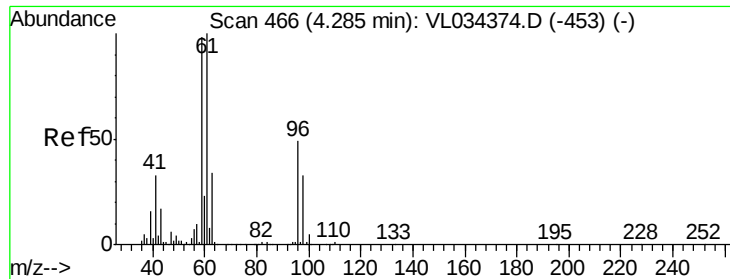
Tgt Ion: 39 Resp: 617269

Ion Ratio Lower Upper

39 100

54 81.1 64.7 97.1

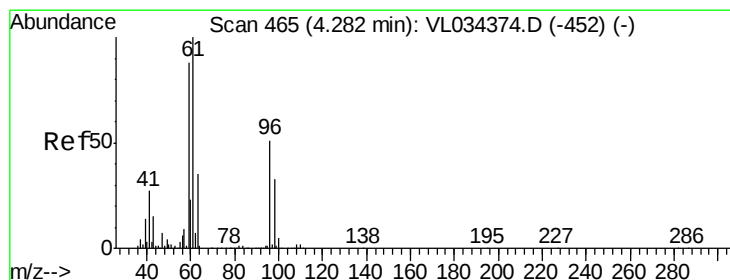
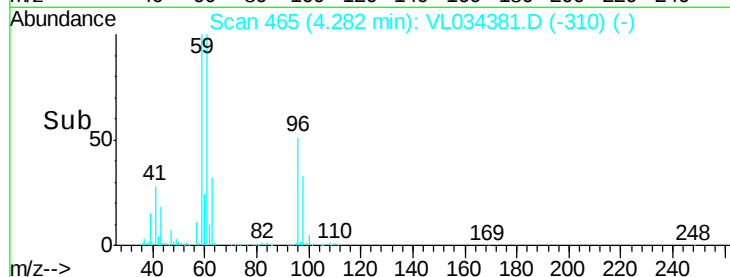
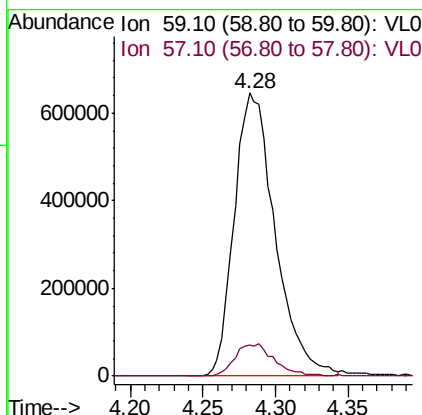
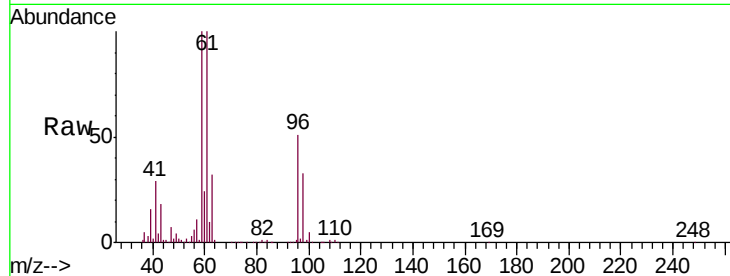




#17
 tert-Butyl alcohol
 Concen: 9.974 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

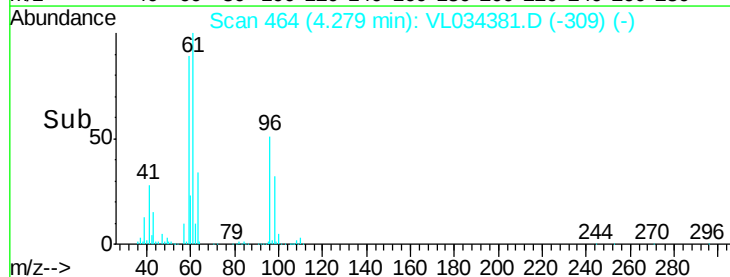
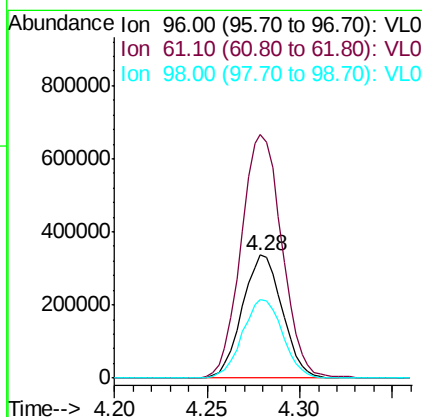
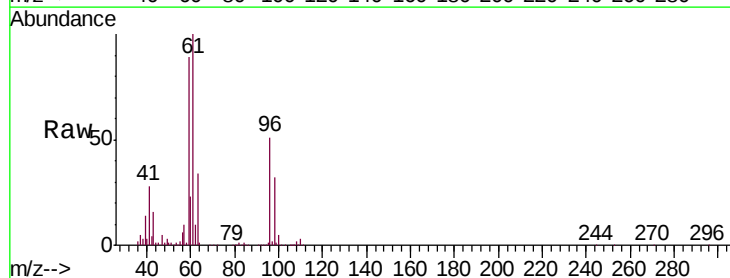
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

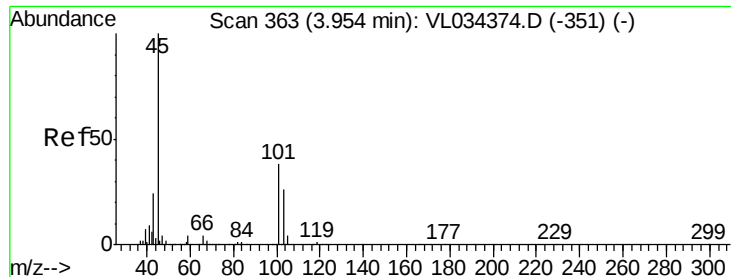
Tgt Ion: 59 Resp: 1264088
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.8 13.2



#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



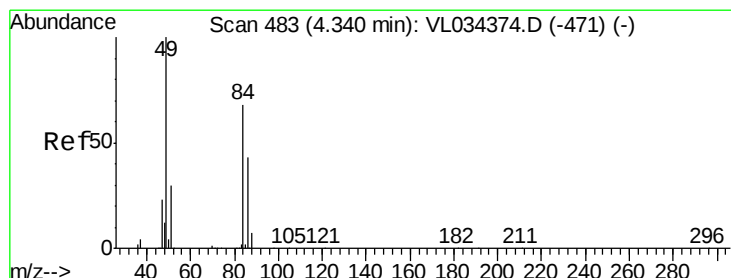
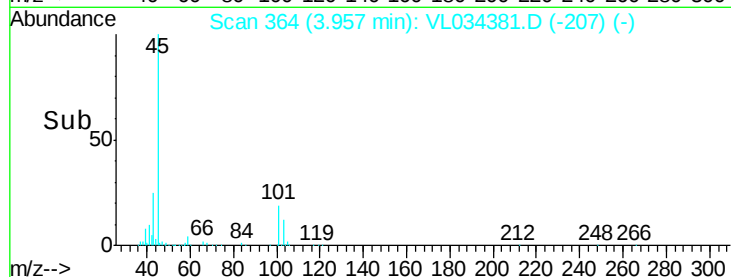
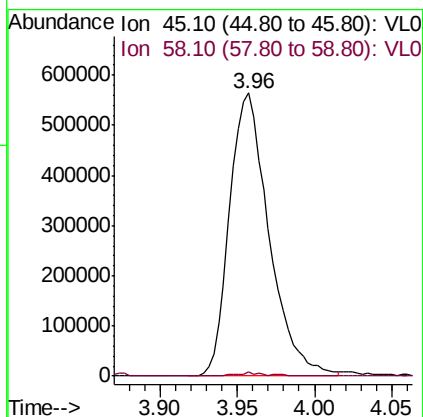
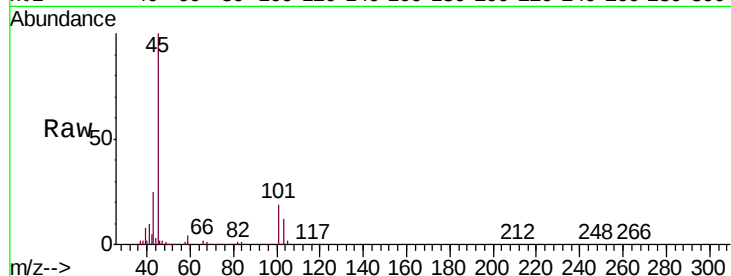


#19

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 :
 ICVVL111919

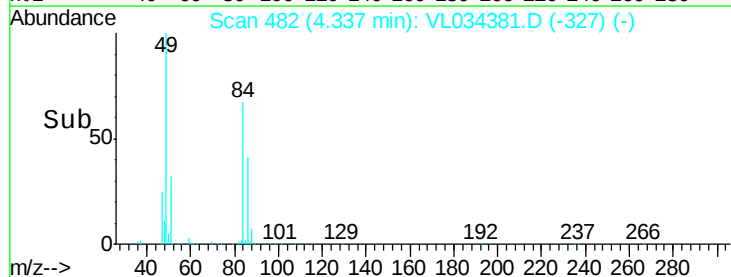
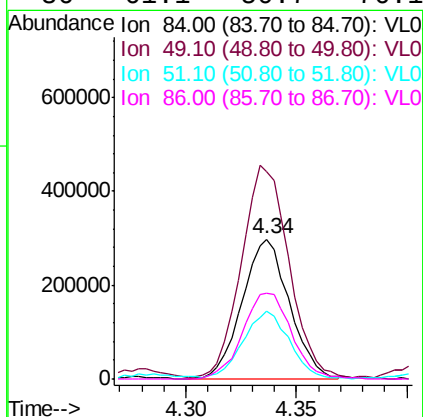
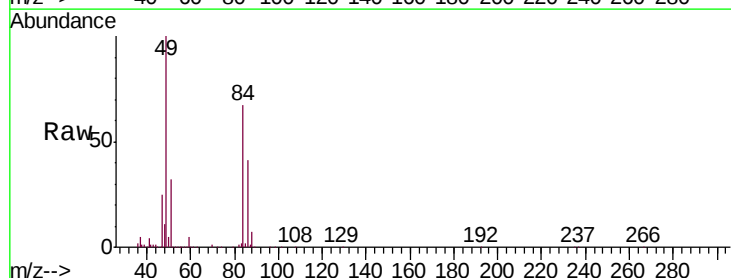
Tgt Ion: 45 Resp: 997085
 Ion Ratio Lower Upper
 45 100
 58 1.4 1.3 1.9

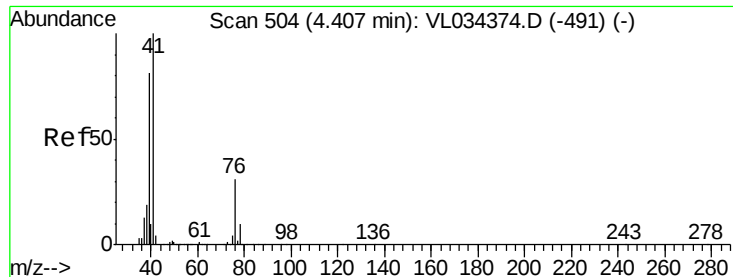


#20

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

ClientSampleId :

ICVVL111919

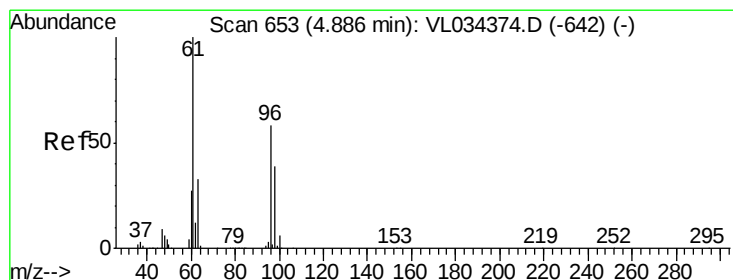
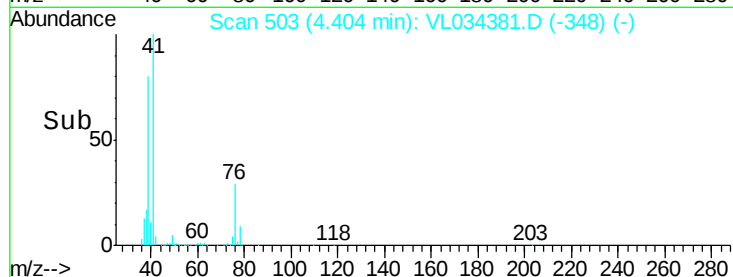
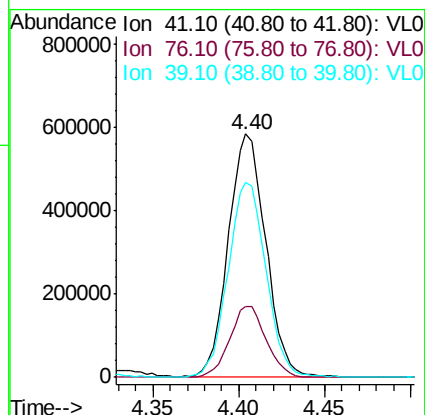
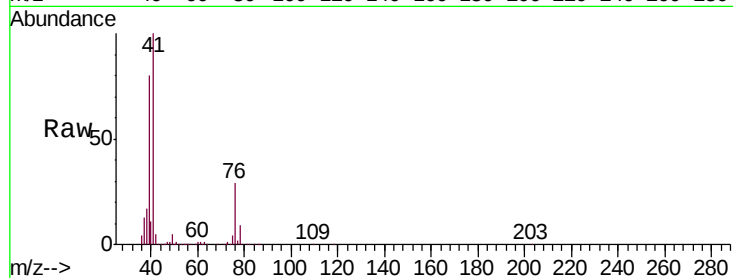
Tgt Ion: 41 Resp: 878536

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

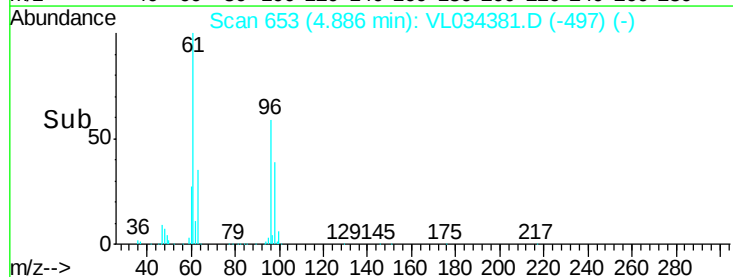
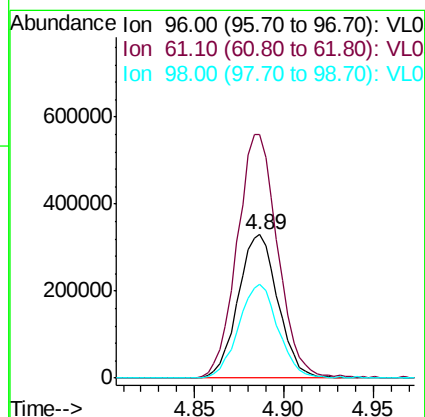
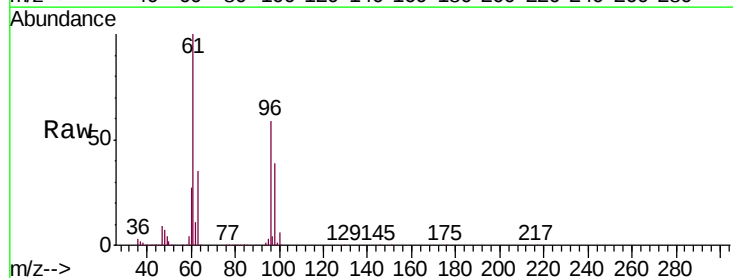
Tgt Ion: 96 Resp: 516835

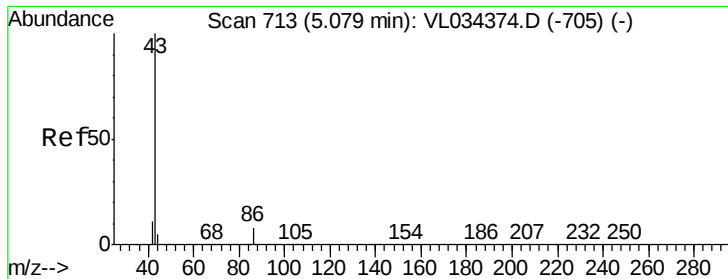
Ion Ratio Lower Upper

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 :

ICVVL111919

Tgt Ion: 43 Resp: 1973335

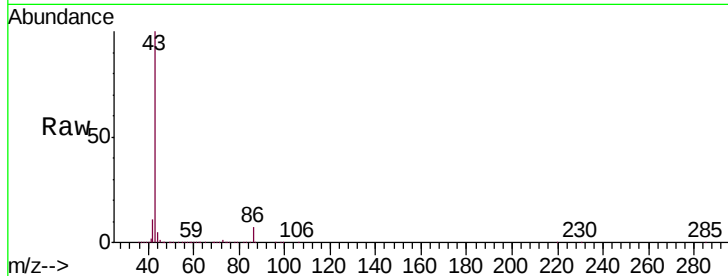
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.6

42 10.6 8.9 13.3

44 4.7 4.0 6.0

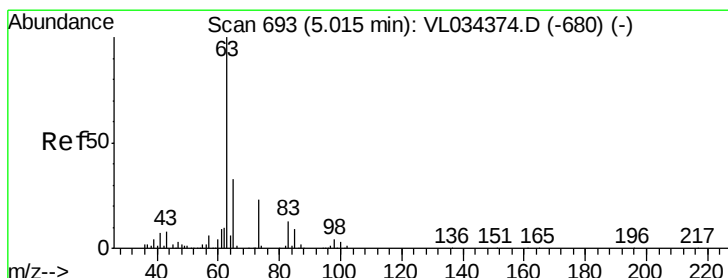
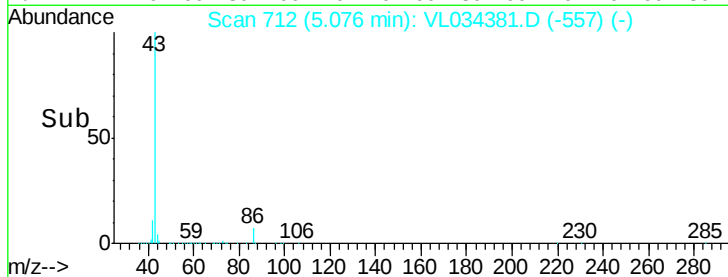
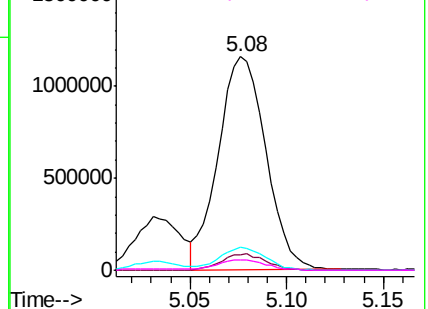


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

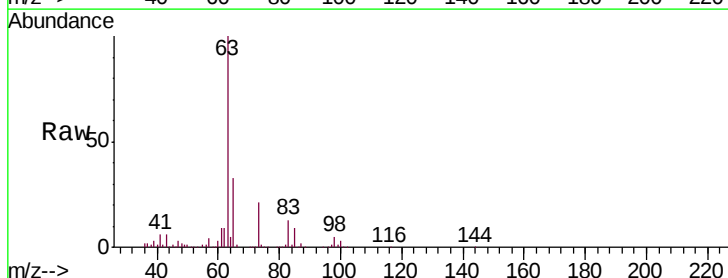
Tgt Ion: 63 Resp: 1385221

Ion Ratio Lower Upper

63 100

98 4.6 1.9 5.7

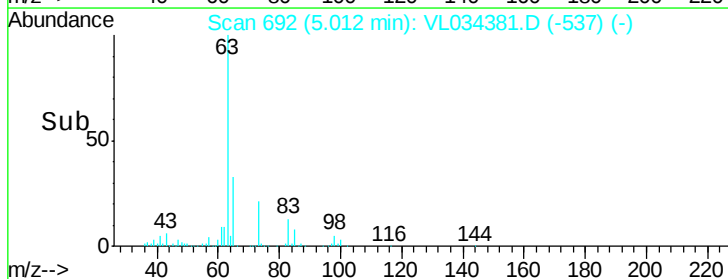
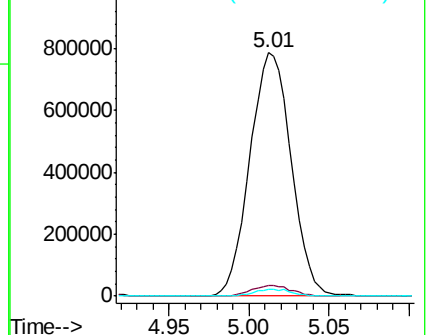
100 2.8 1.4 4.0

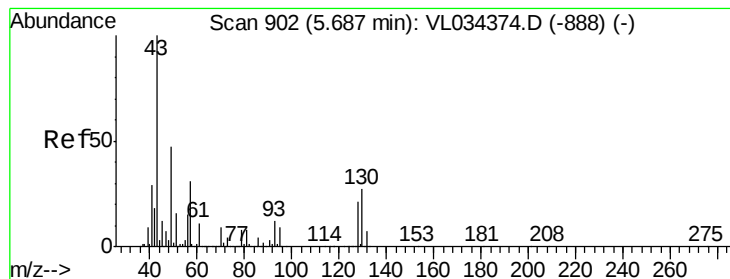


Abundance Ion 63.10 (62.80 to 63.80): VL0

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 :

ICVVL111919

Tgt Ion: 43 Resp: 2451419

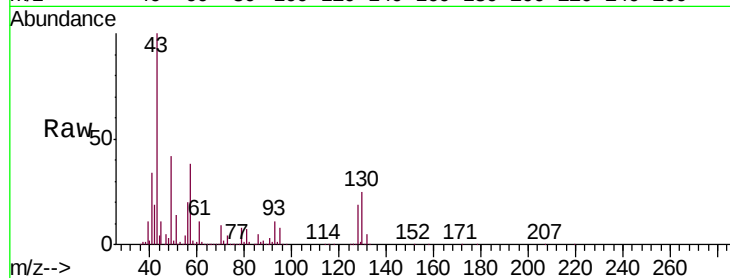
Ion Ratio Lower Upper

43 100

45 10.5 8.2 12.4

61 9.9 7.5 11.3

70 7.3 5.7 8.5

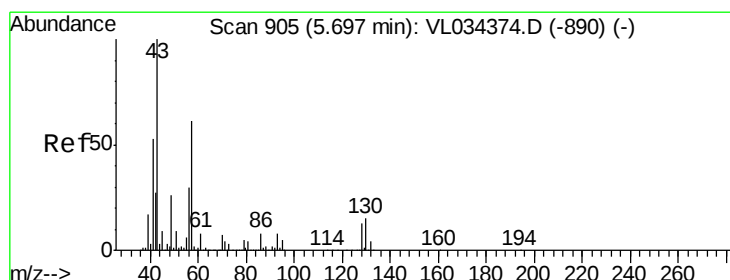
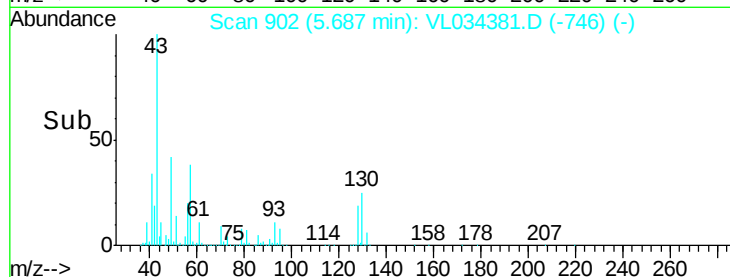
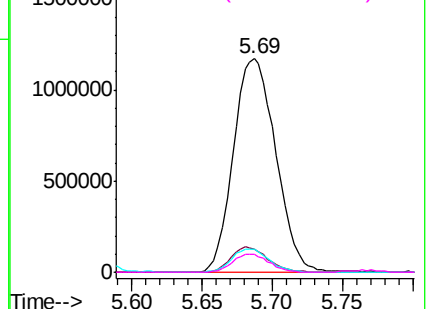


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

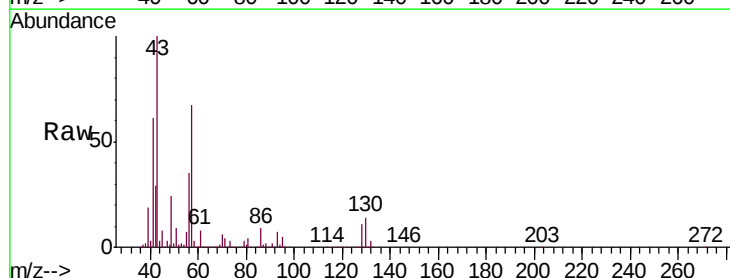
Ion Ratio Lower Upper

57 100

41 92.4 75.0 112.4

43 232.6 186.6 279.8

56 52.9 41.5 62.3

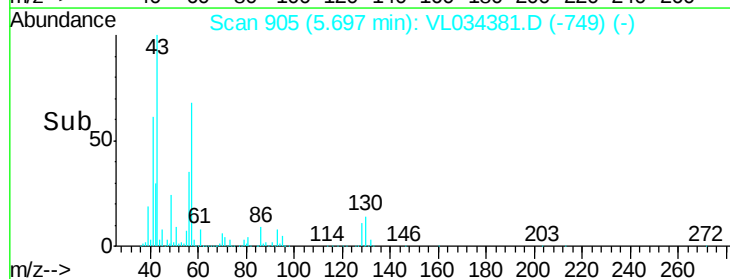
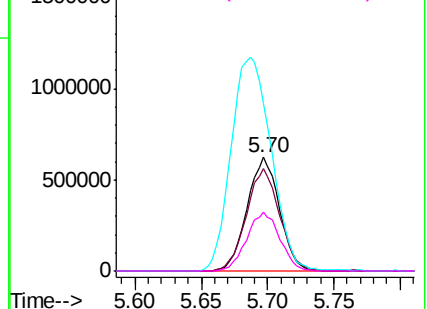


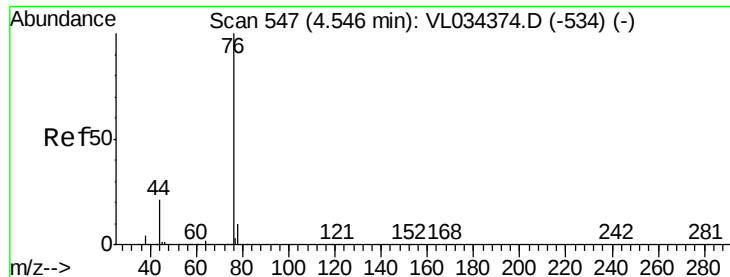
Abundance Ion 57.10 (56.80 to 57.80): VL0

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 :

ICVVL111919

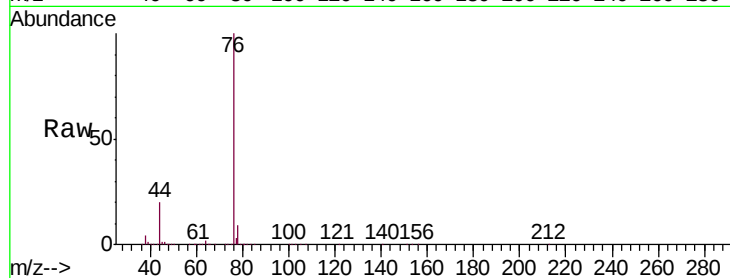
Tgt Ion: 76 Resp: 1301637

Ion Ratio Lower Upper

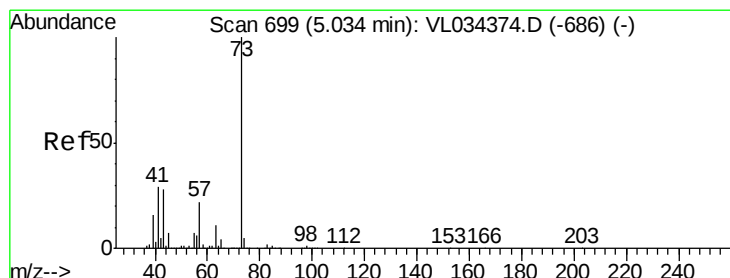
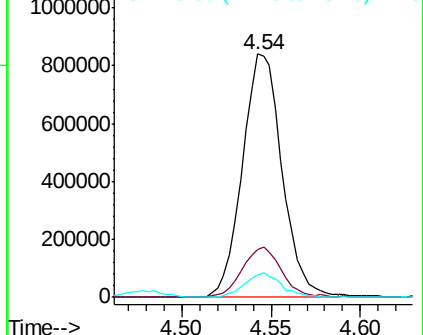
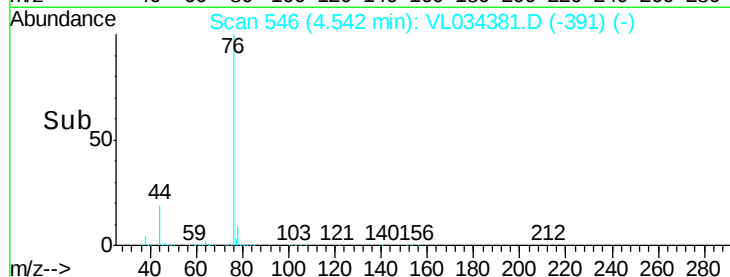
76 100

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

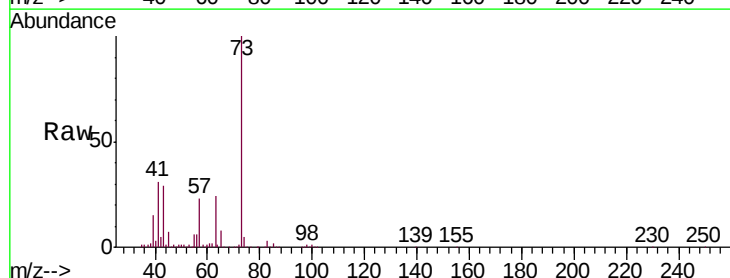
Acq: 19 Nov 2019 15:26

Tgt Ion: 73 Resp: 1845551

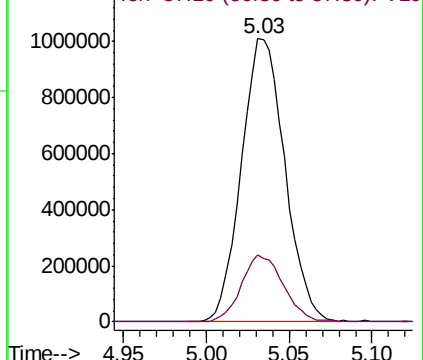
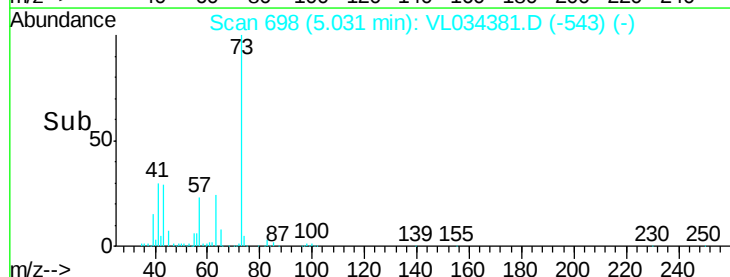
Ion Ratio Lower Upper

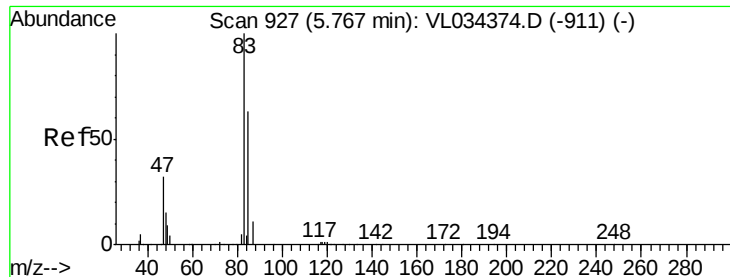
73 100

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 :

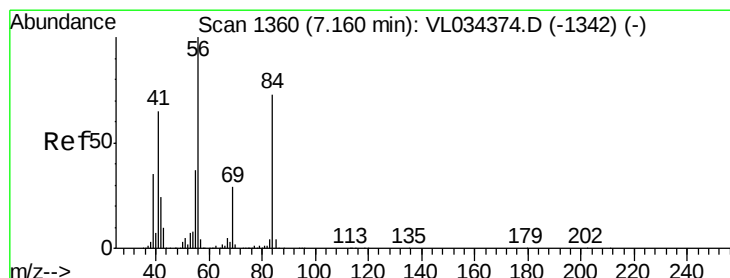
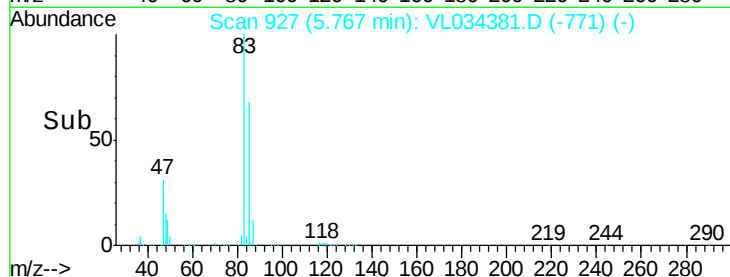
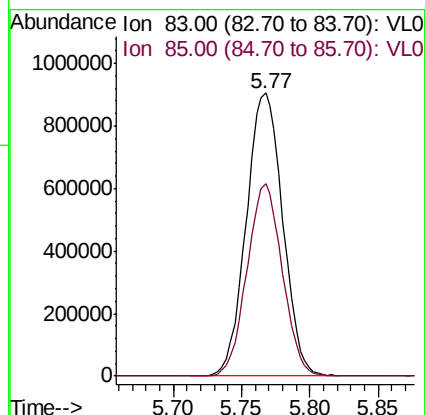
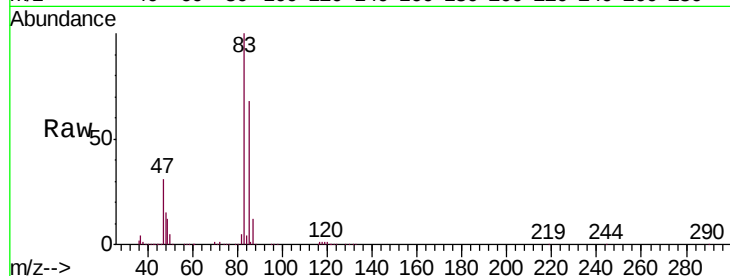
ICVVL111919

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

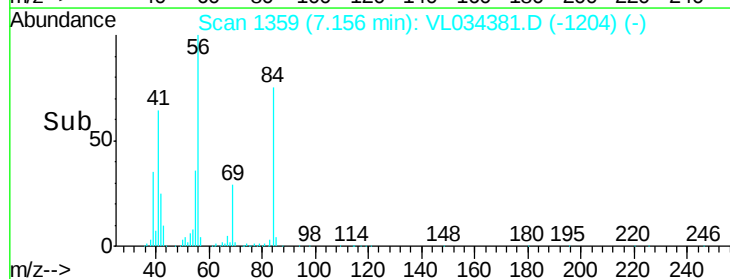
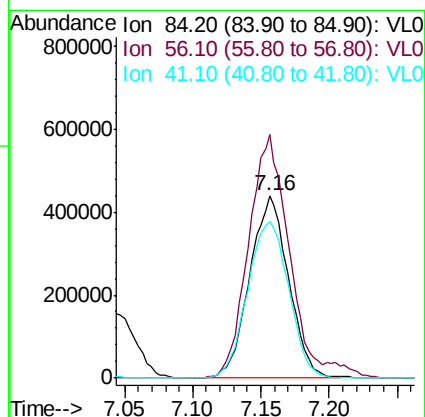
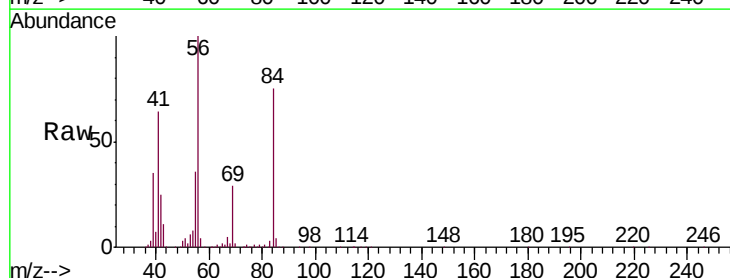
Tgt Ion: 84 Resp: 867983

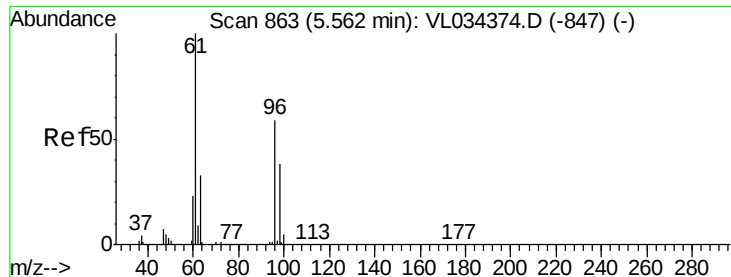
Ion Ratio Lower Upper

84 100

56 142.6 112.6 169.0

41 91.6 73.4 110.2



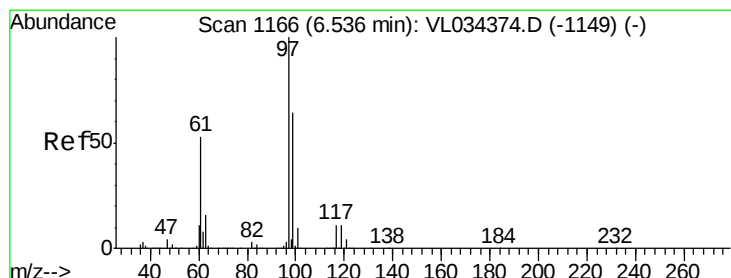
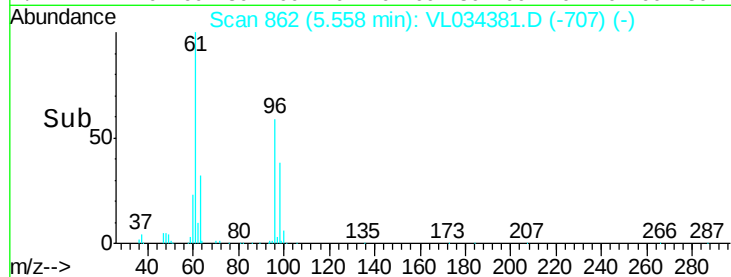
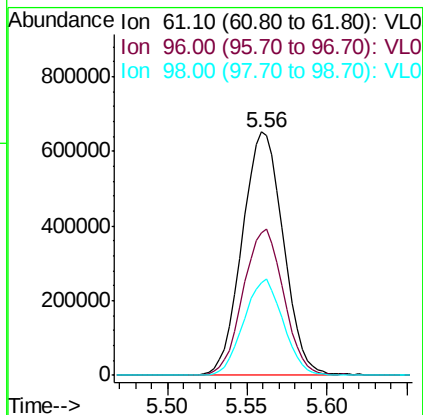
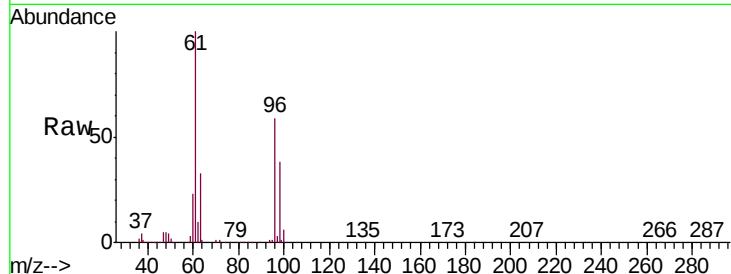


#31

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 :
 ICVVL111919

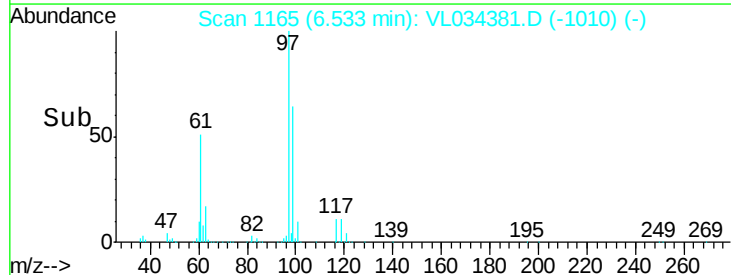
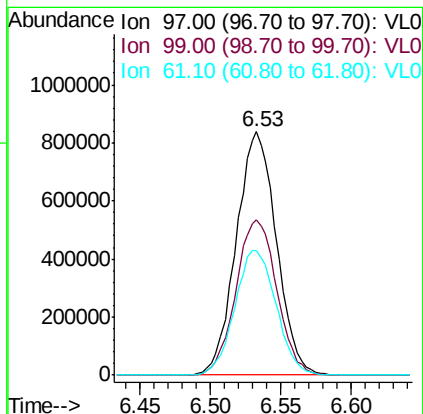
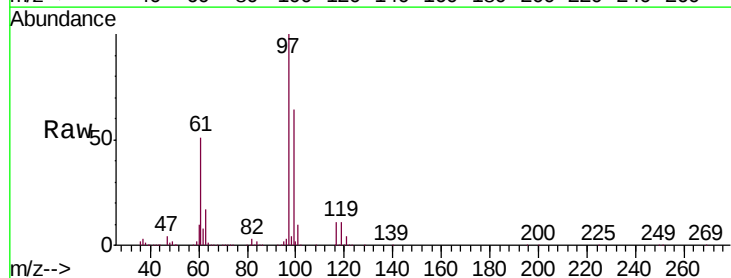
Tgt Ion: 61 Resp: 1146269
 Ion Ratio Lower Upper
 61 100
 96 58.6 47.4 71.2
 98 38.1 30.6 45.8

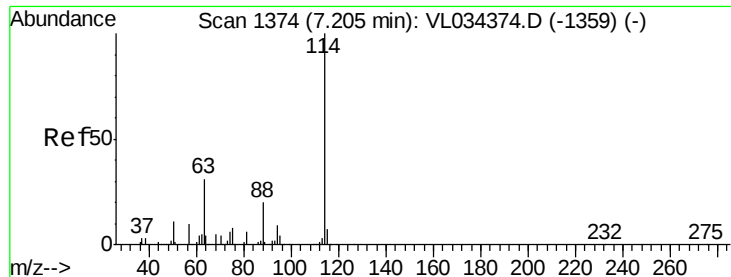


#32

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

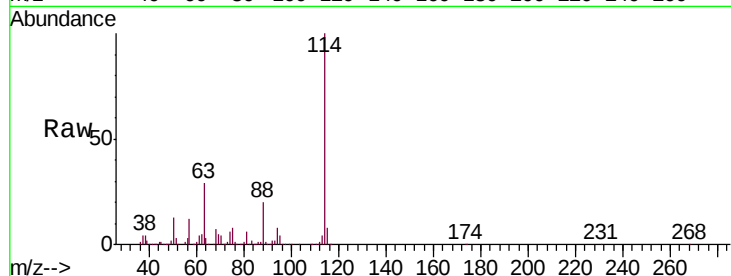




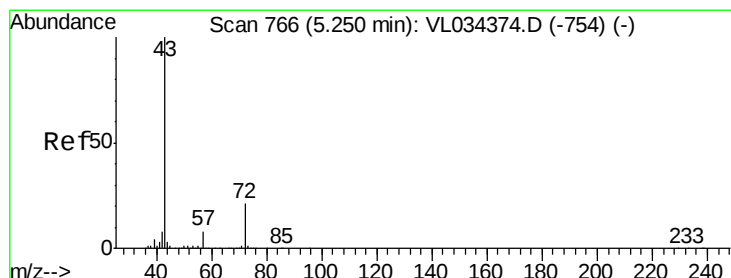
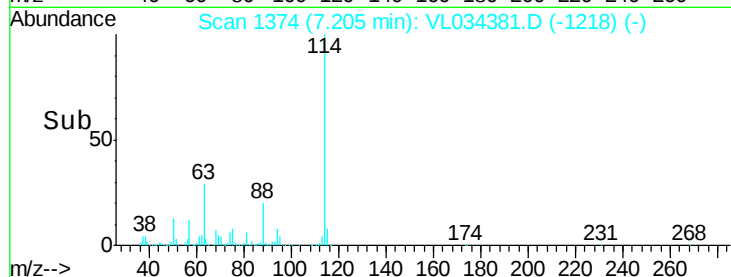
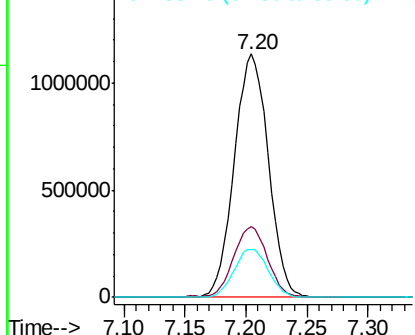
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

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

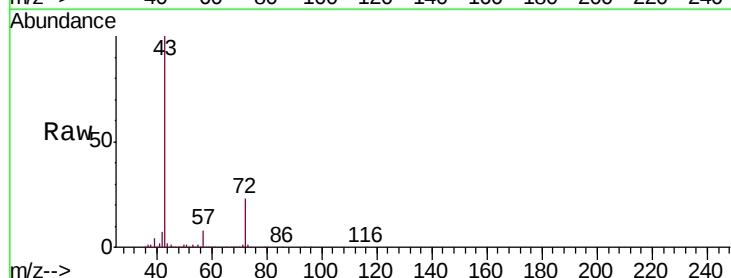


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

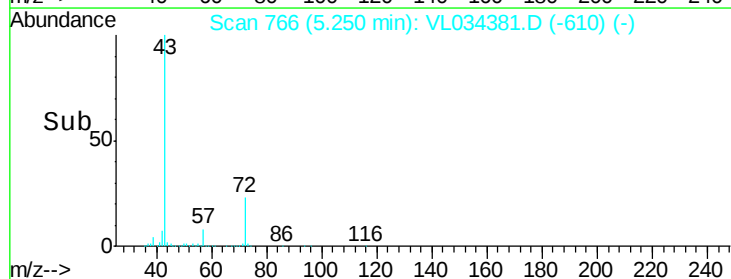
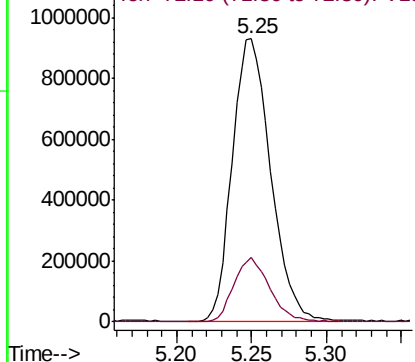


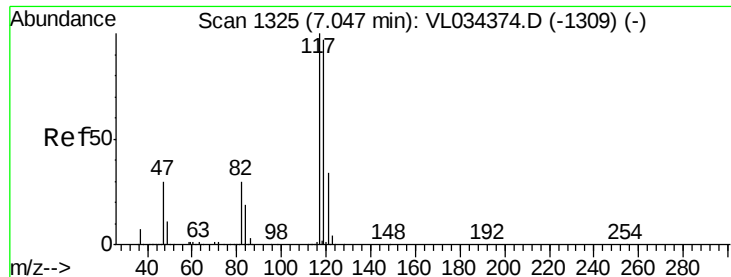
#34
 2-Butanone
 Concen: 9.185 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

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 :

ICVVL111919

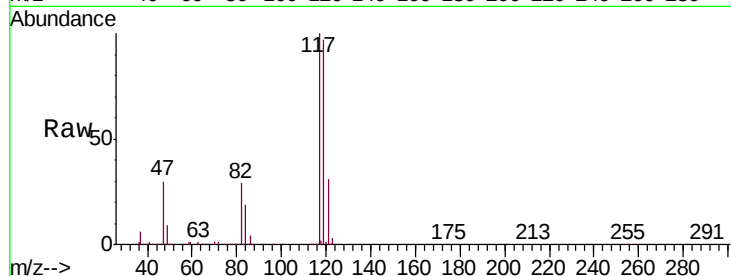
Tgt Ion:117 Resp: 1712905

Ion Ratio Lower Upper

117 100

119 96.7 77.3 115.9

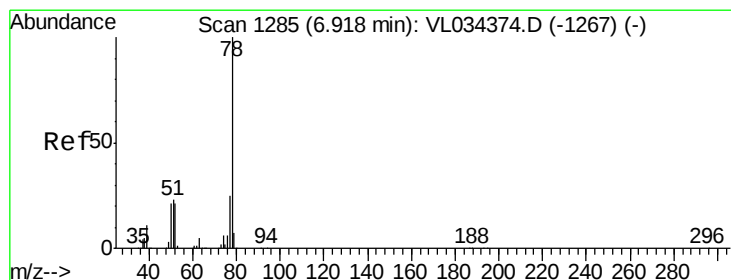
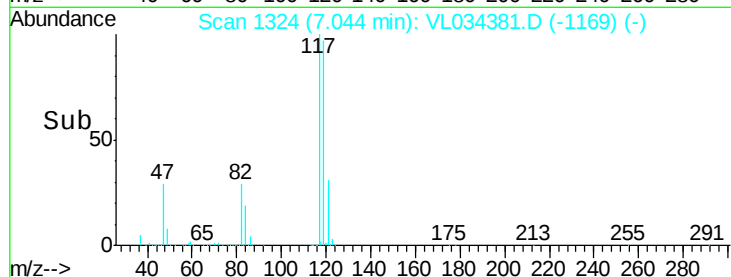
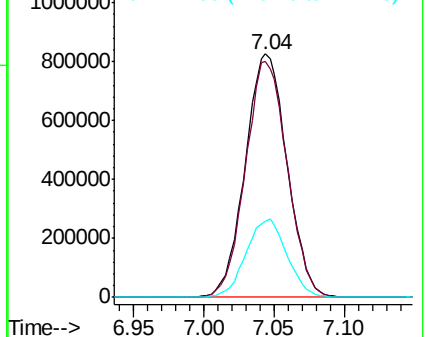
121 31.4 27.4 41.2



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

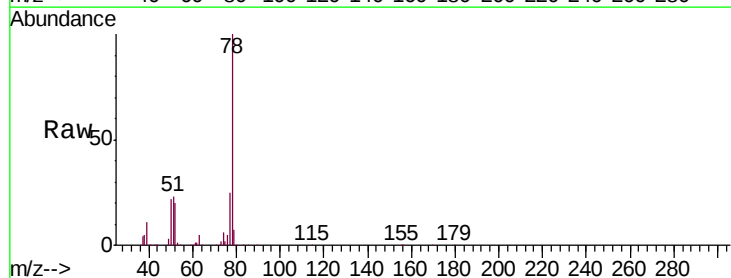
Tgt Ion: 78 Resp: 2079075

Ion Ratio Lower Upper

78 100

77 25.1 20.2 30.4

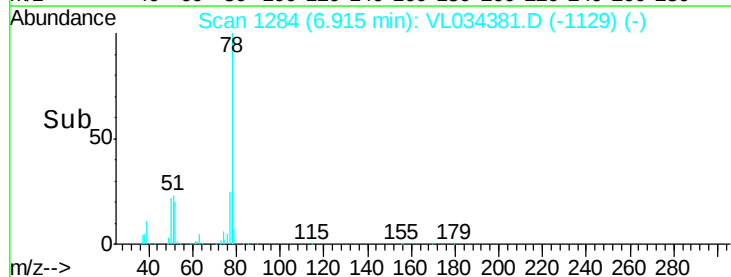
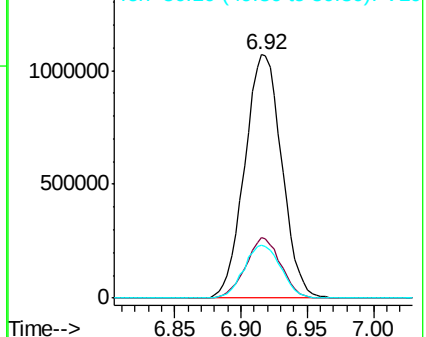
50 21.7 17.1 25.7

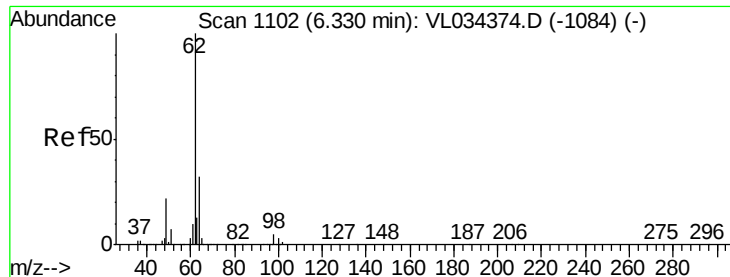


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

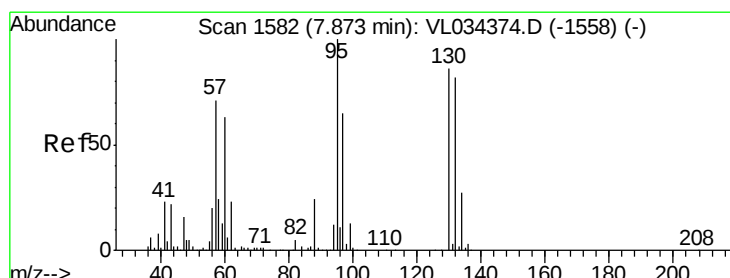
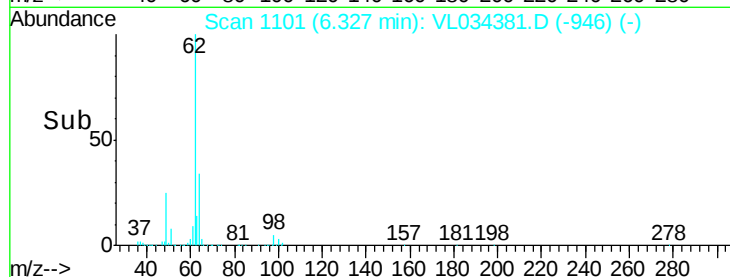
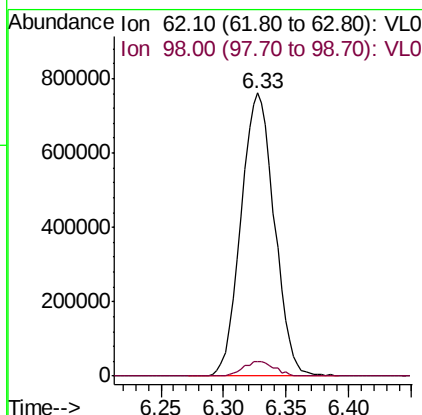
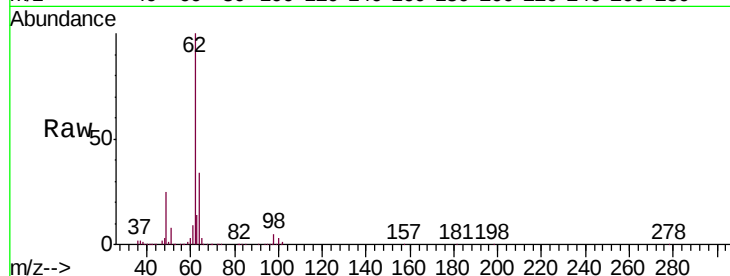




#37
 1,2-Dichloroethane
 Concen: 8.644 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

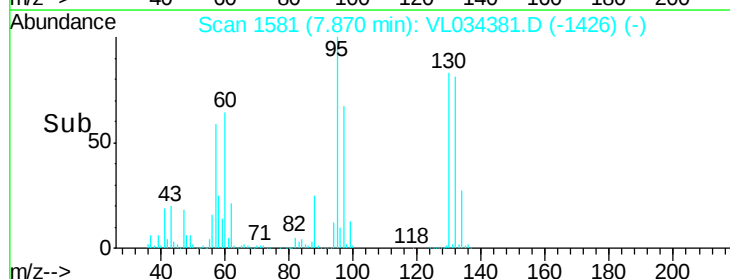
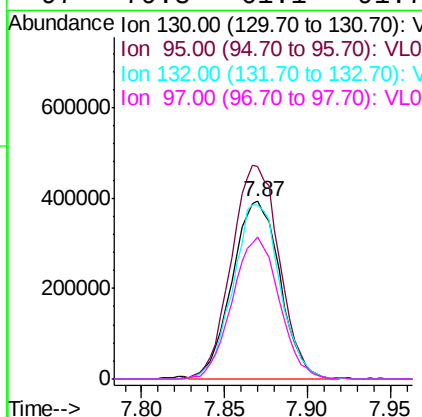
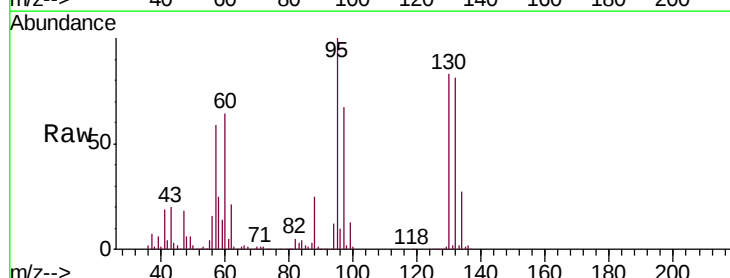
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

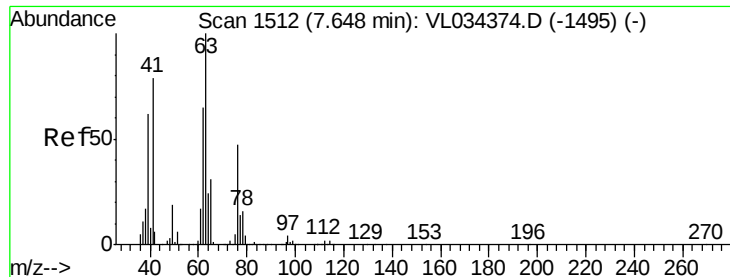
Tgt Ion: 62 Resp: 1408872
 Ion Ratio Lower Upper
 62 100
 98 5.1 3.8 5.8



#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

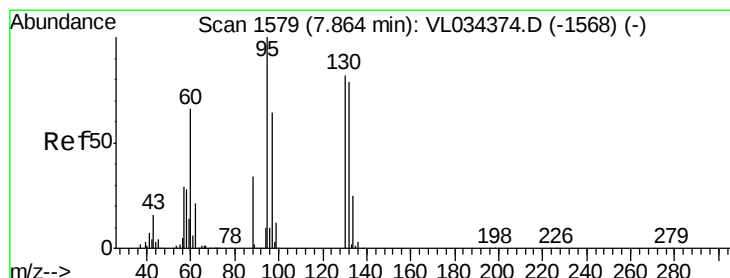
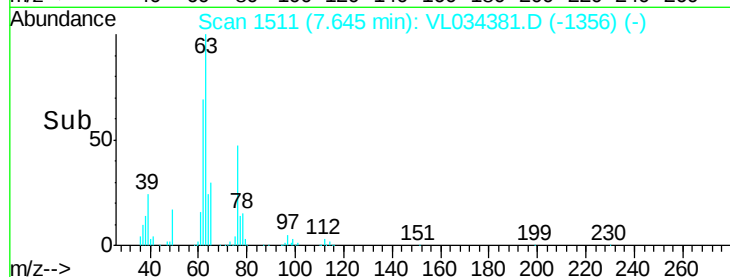
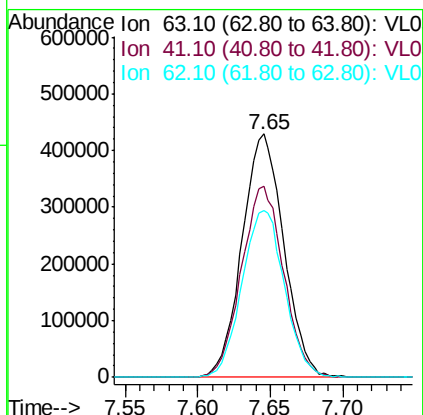
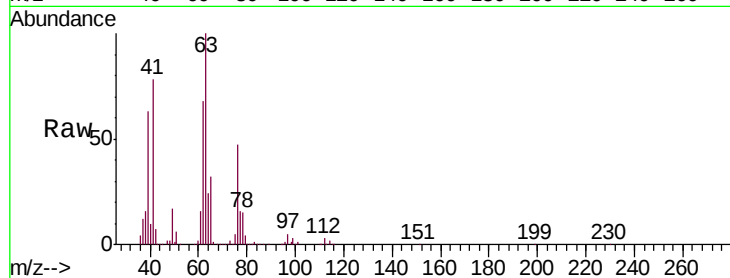




#39
 1,2-Dichloropropane
 Concen: 9.201 ppbv
 RT: 7.65 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

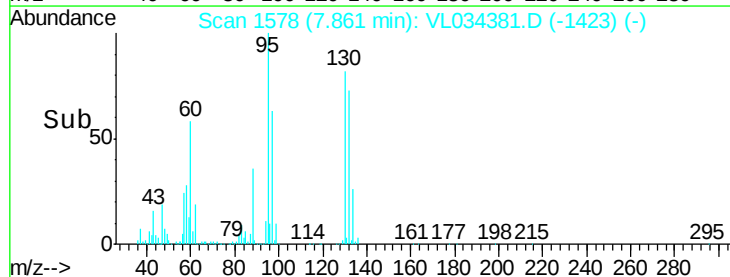
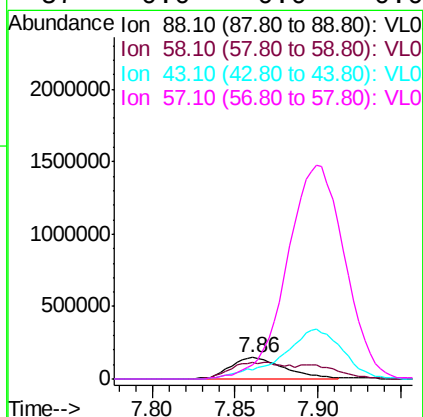
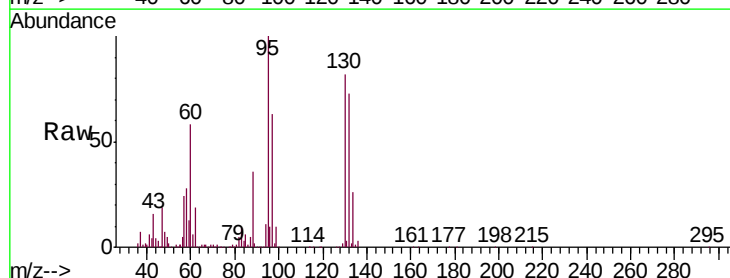
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

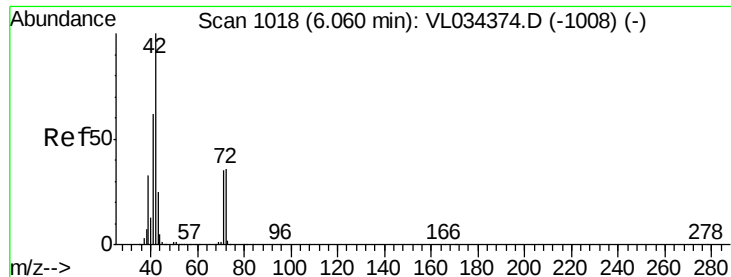
Tgt Ion: 63 Resp: 855743
 Ion Ratio Lower Upper
 63 100
 41 78.4 63.1 94.7
 62 68.5 52.3 78.5



#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 :

ICVVL111919

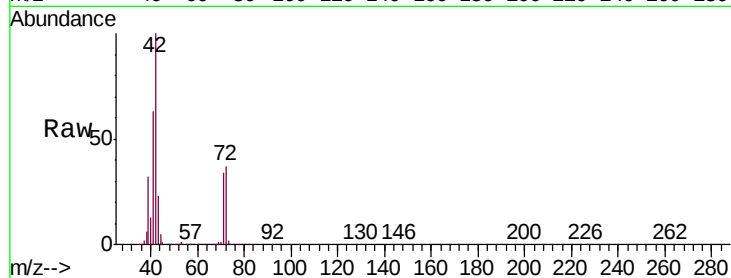
Tgt Ion: 42 Resp: 974269

Ion Ratio Lower Upper

42 100

72 37.1 30.2 45.4

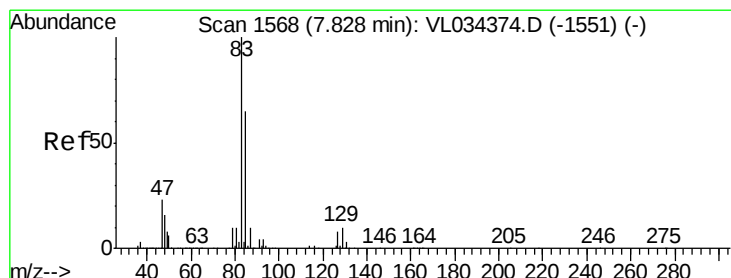
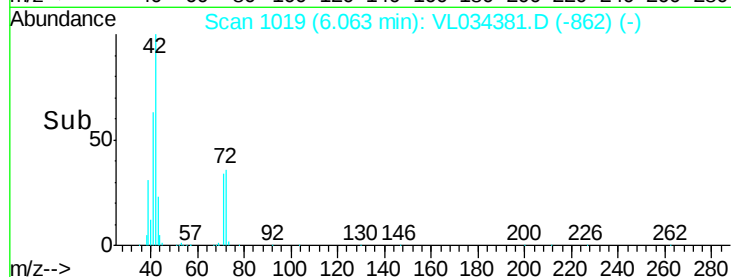
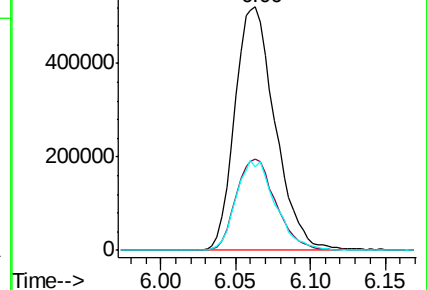
71 36.5 29.4 44.2



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

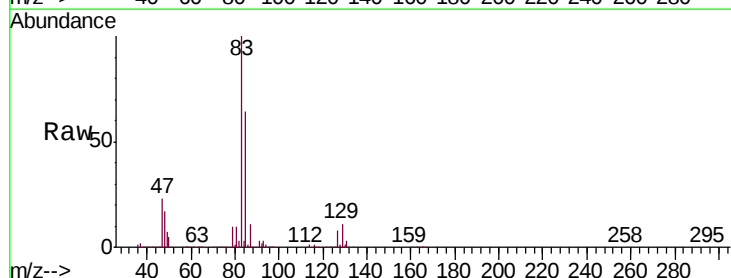
Tgt Ion: 83 Resp: 1832990

Ion Ratio Lower Upper

83 100

85 64.3 52.3 78.5

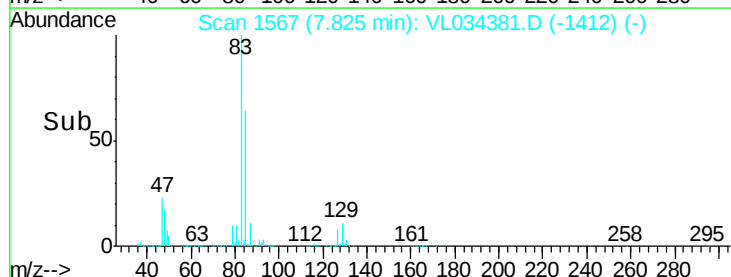
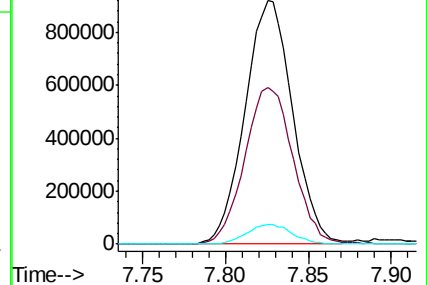
127 8.1 6.1 9.1

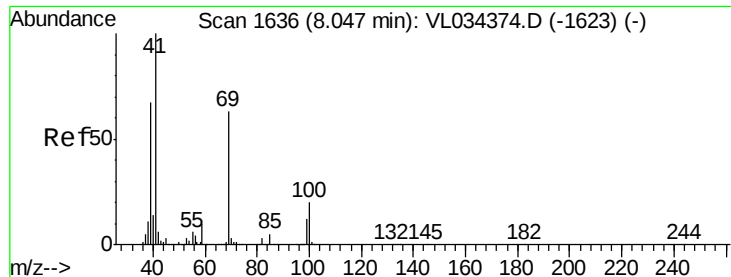


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

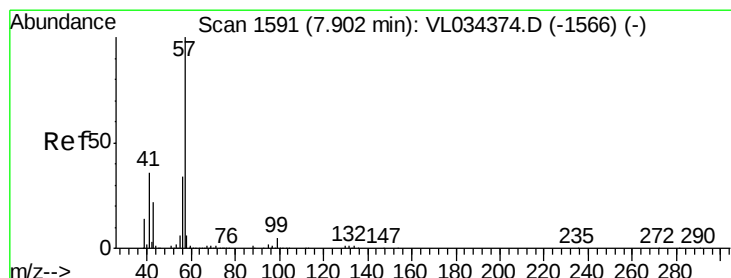
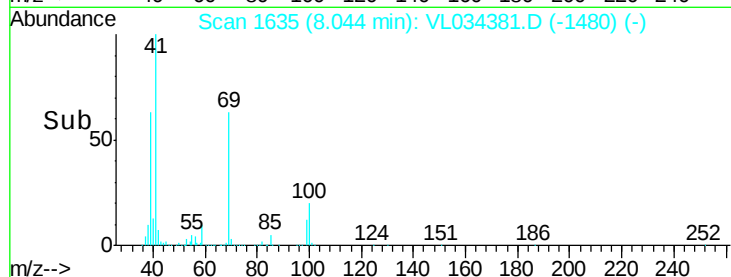
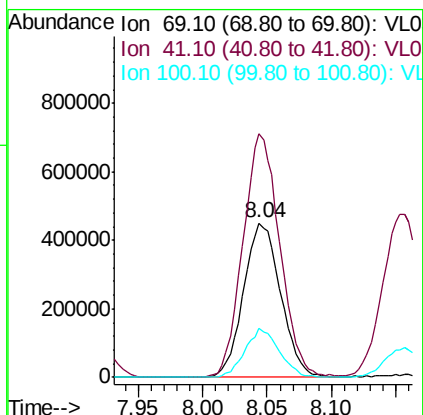
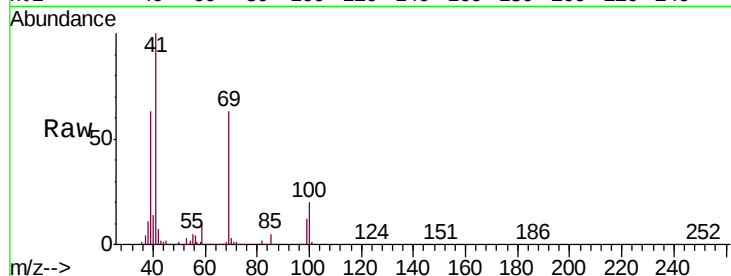




#43
Methyl Methacrylate
Concen: 9.901 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

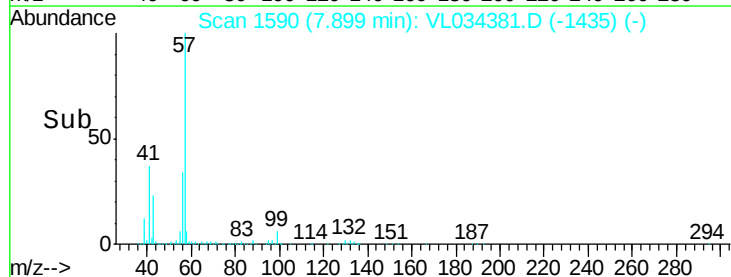
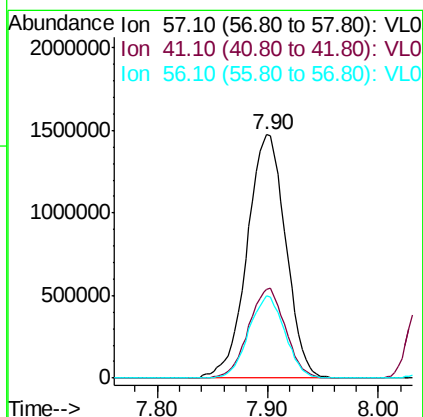
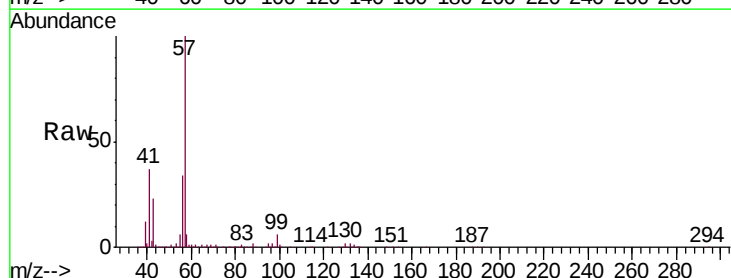
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111919

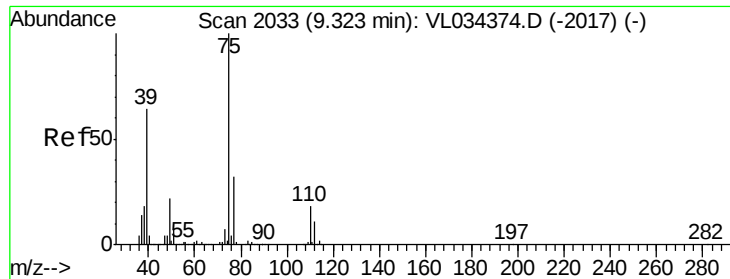
Tgt Ion: 69 Resp: 901016
Ion Ratio Lower Upper
69 100
41 156.5 127.4 191.2
100 29.2 24.2 36.4



#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

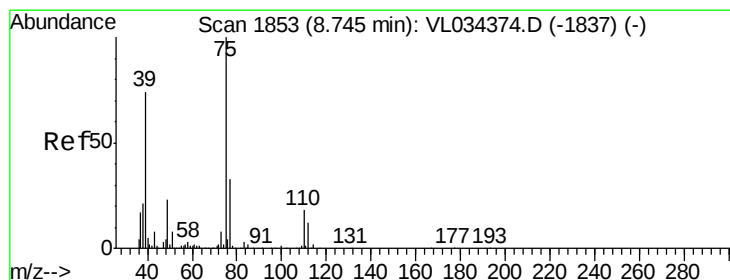
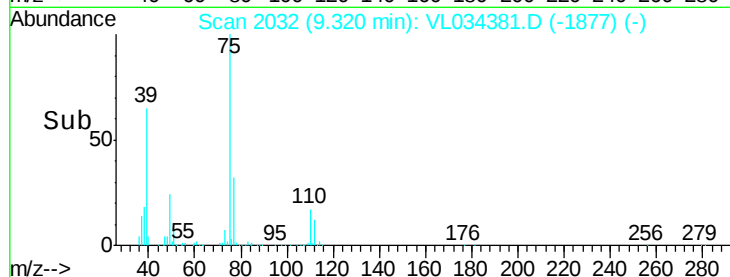
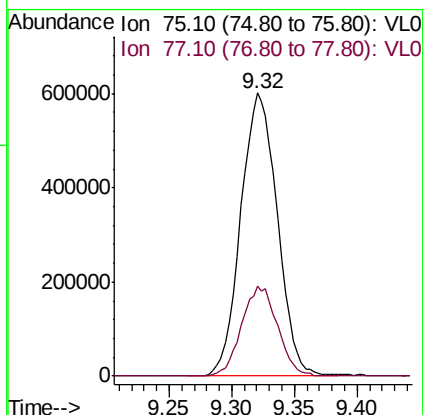
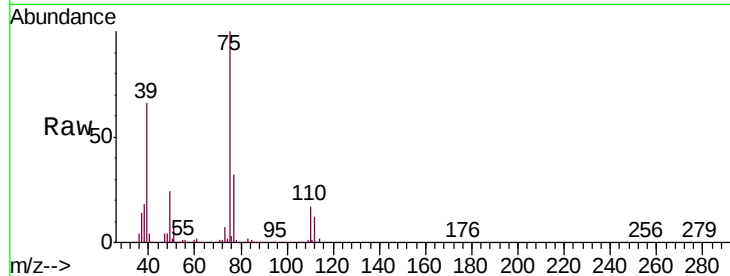




#45
t-1,3-Dichloropropene
Concen: 10.445 ppbv
RT: 9.32 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

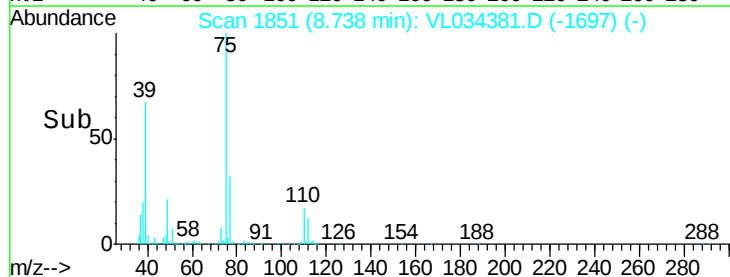
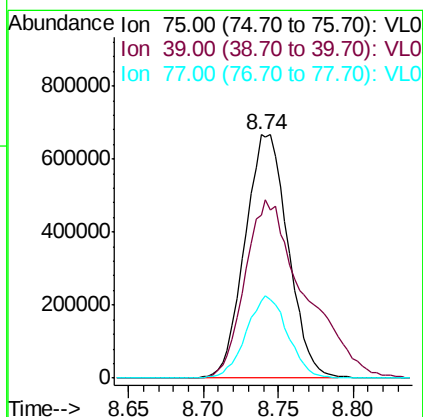
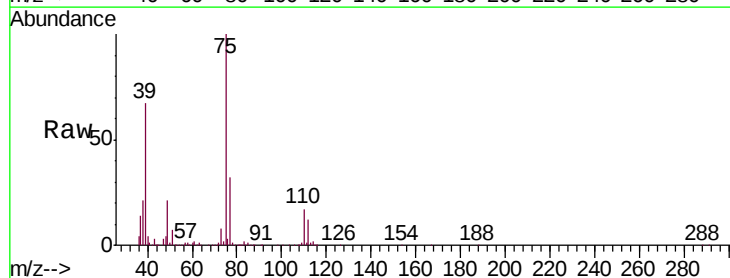
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111919

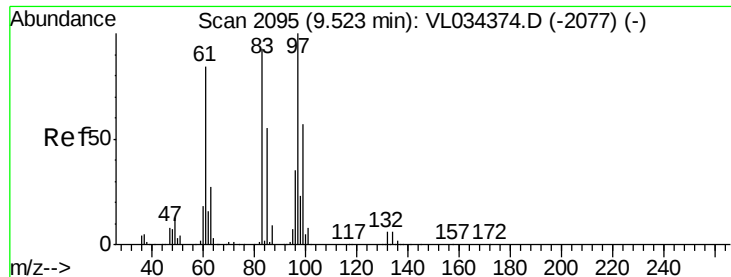
Tgt Ion: 75 Resp: 1218936
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2



#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

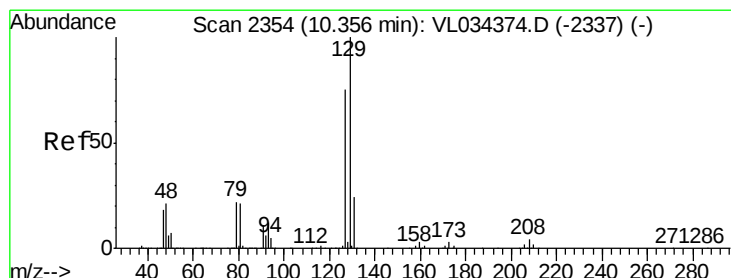
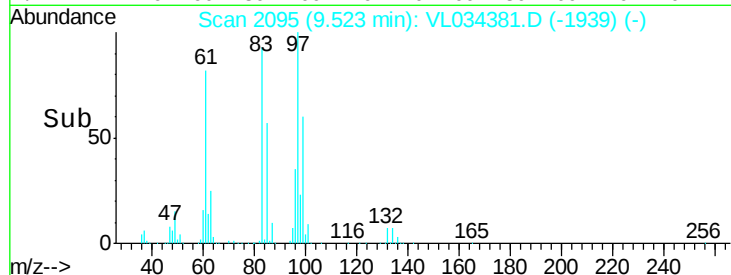
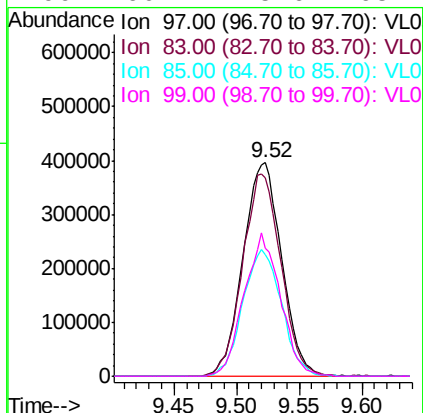
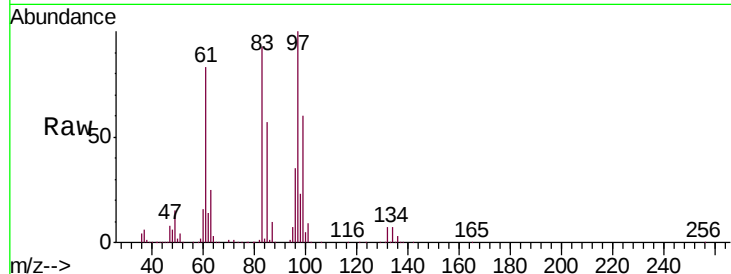




#47
 1,1,2-Trichloroethane
 Concen: 9.025 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

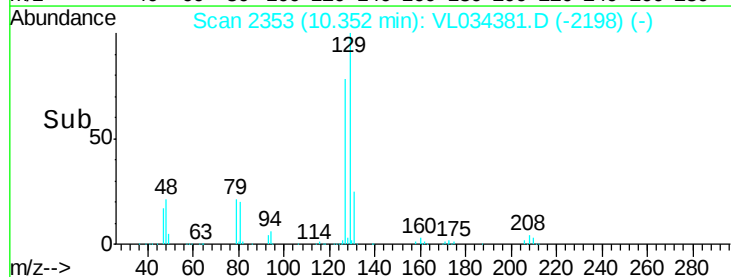
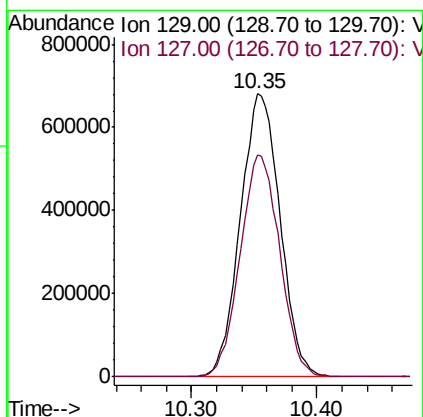
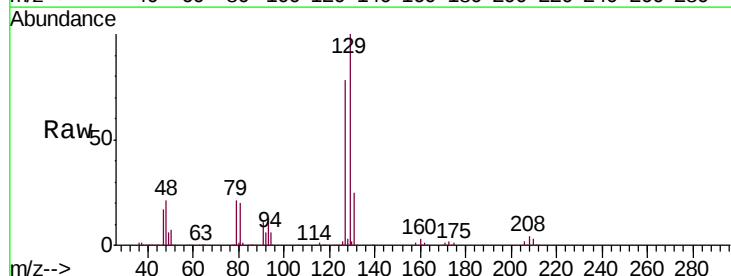
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

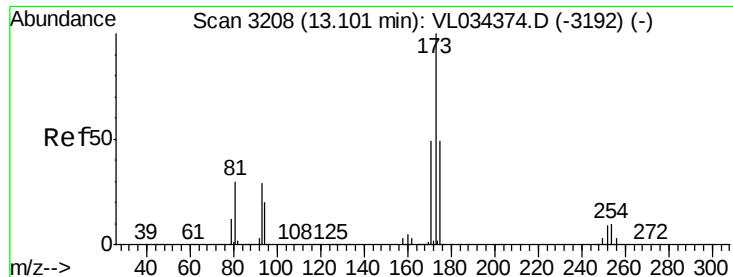
Tgt Ion: 97 Resp: 848532
 Ion Ratio Lower Upper
 97 100
 83 92.8 74.6 112.0
 85 57.2 43.8 65.8
 99 60.1 45.6 68.4



#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

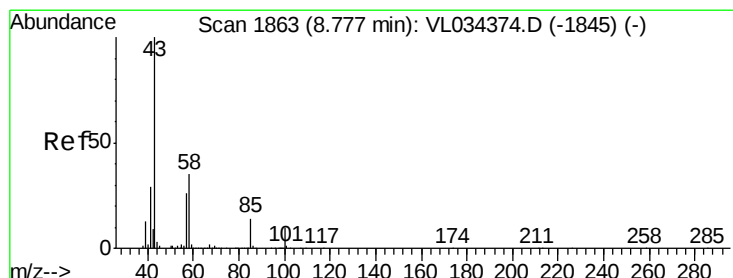
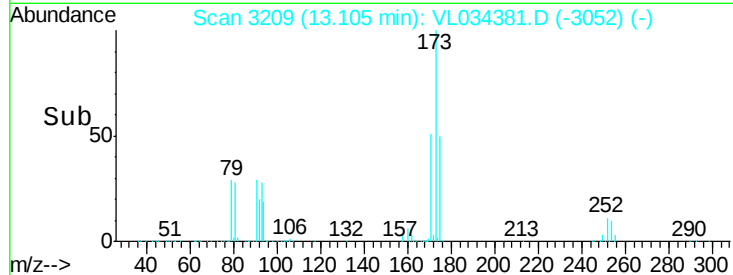
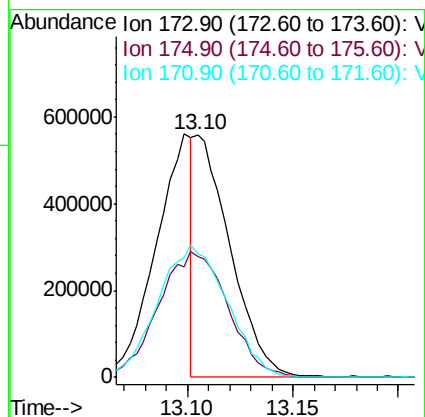
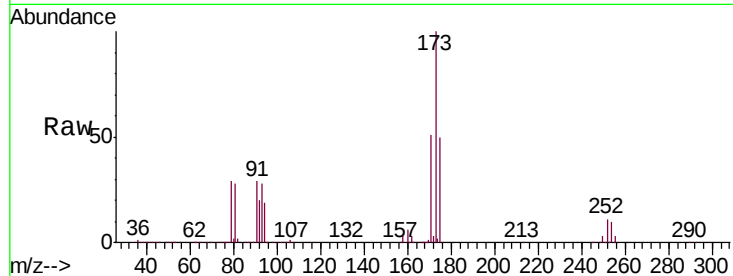




#49
Bromoform
Concen: 4.488 ppbv
RT: 13.10 min Scan# 3209
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

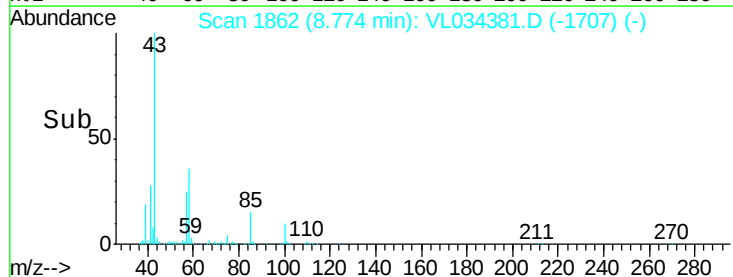
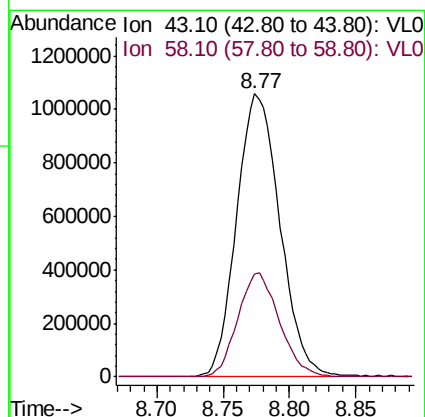
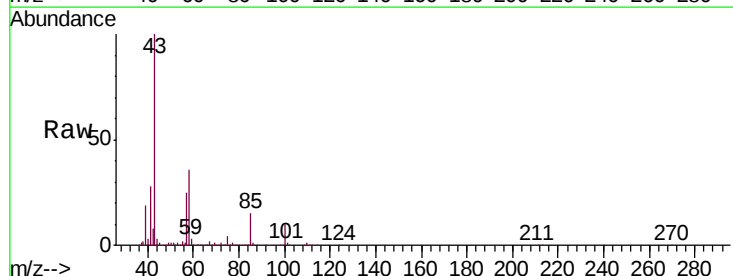
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111919

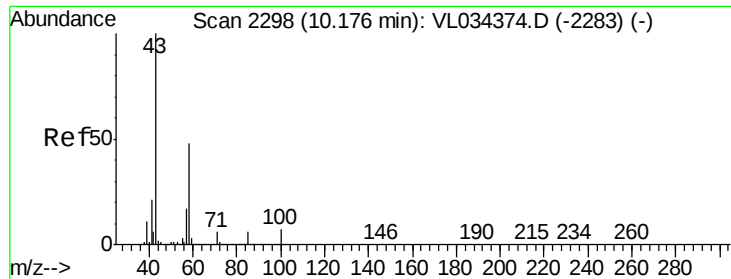
Tgt Ion: 173 Resp: 646821
Ion Ratio Lower Upper
173 100
175 102.9 39.3 58.9#
171 108.3 42.4 63.6#



#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

ClientSampleId :

ICVVL111919

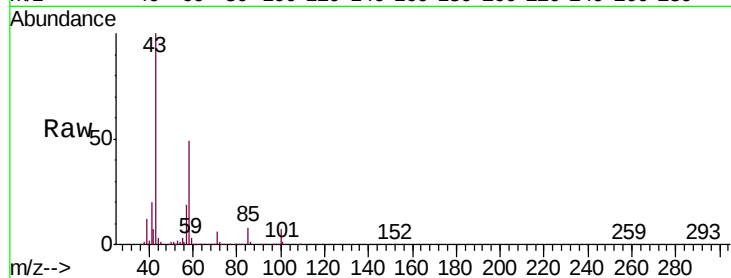
Tgt Ion: 43 Resp: 2042388

Ion Ratio Lower Upper

43 100

58 47.9 38.2 57.4

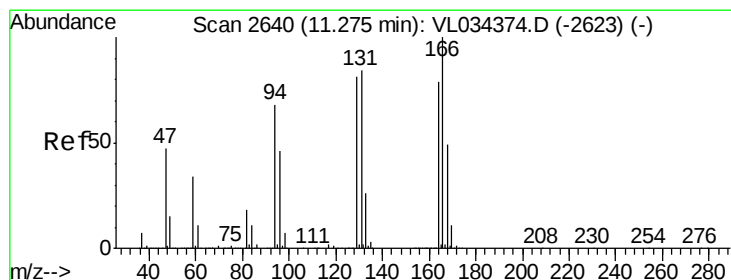
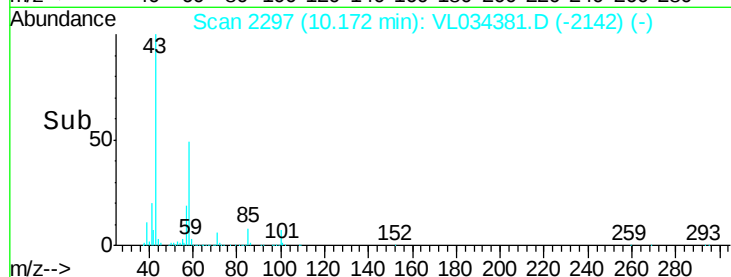
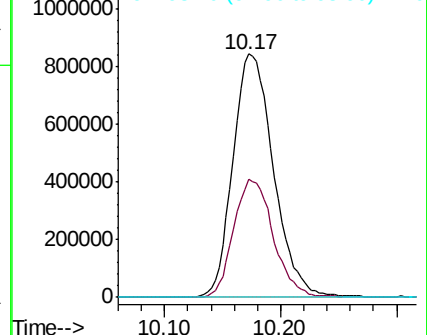
98 0.1 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 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

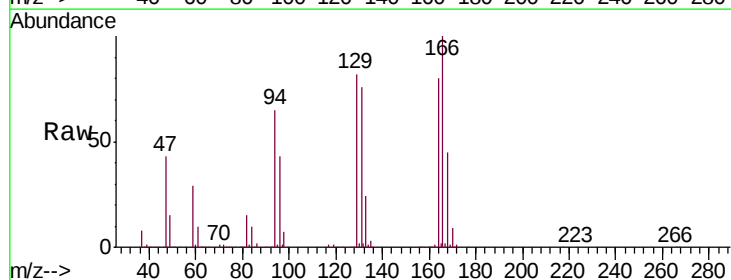
Ion Ratio Lower Upper

164 100

166 125.4 101.7 152.5

129 102.5 82.6 123.8

131 95.7 85.2 127.8

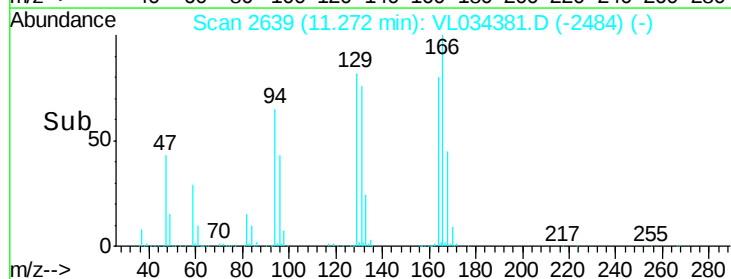
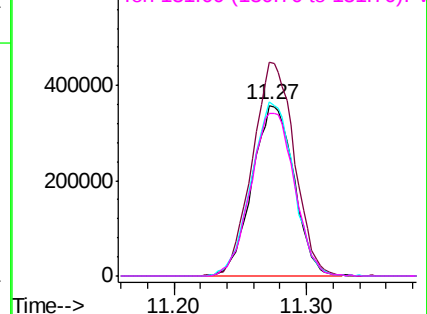


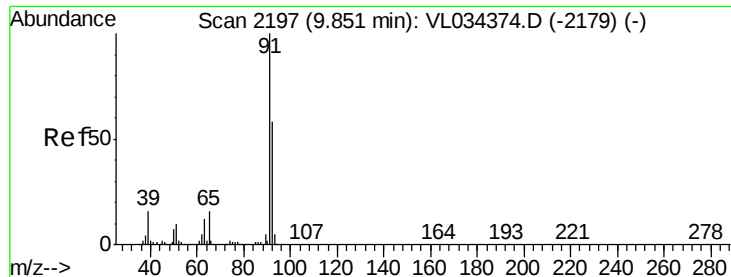
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 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 :

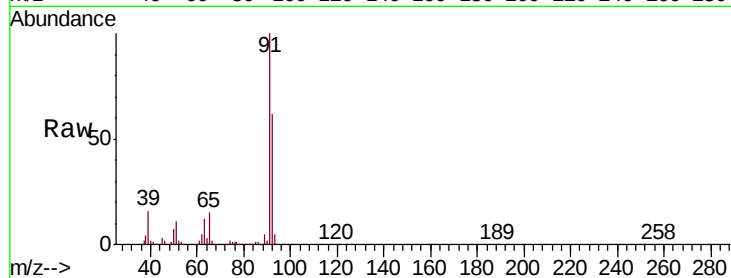
ICVVL111919

Tgt Ion: 91 Resp: 2370710

Ion Ratio Lower Upper

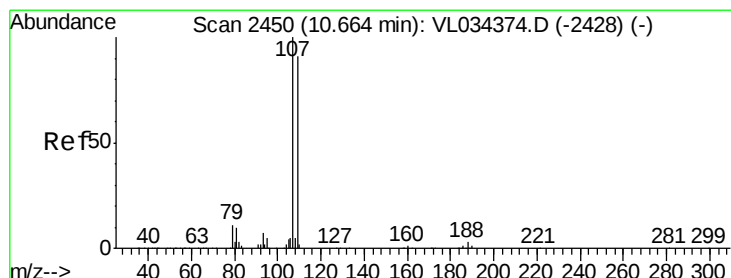
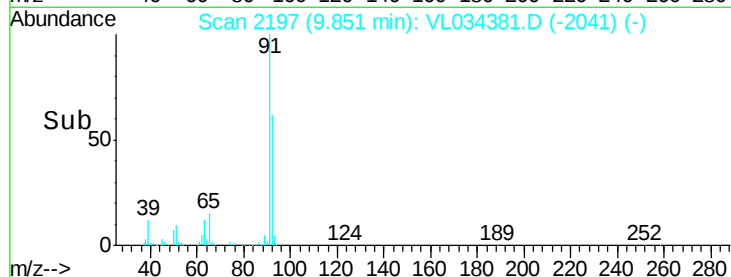
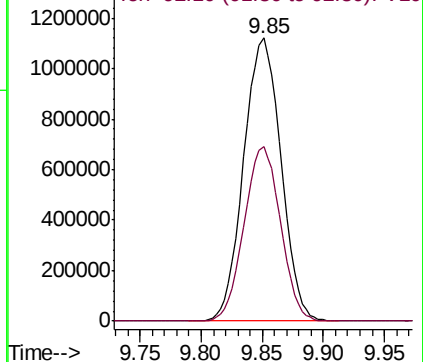
91 100

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



#54

1,2-Dibromoethane

Concen: 9.080 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034381.D

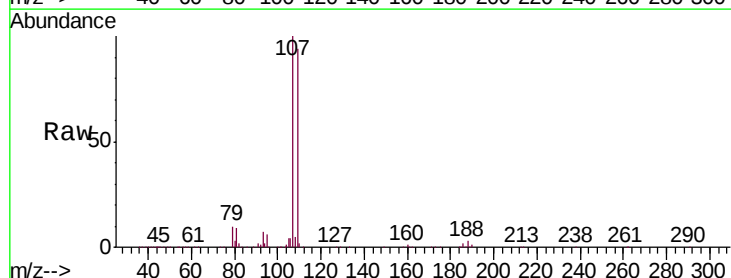
Acq: 19 Nov 2019 15:26

Tgt Ion: 107 Resp: 1308885

Ion Ratio Lower Upper

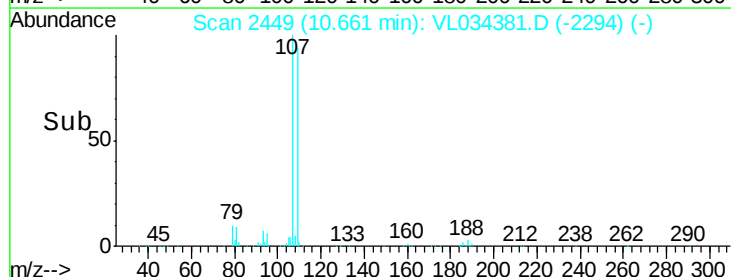
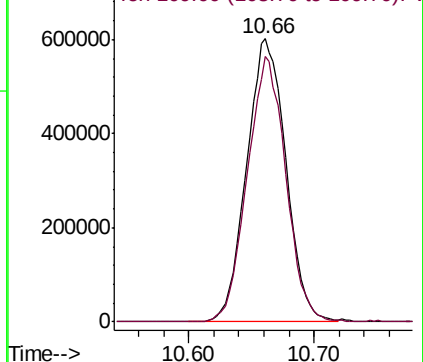
107 100

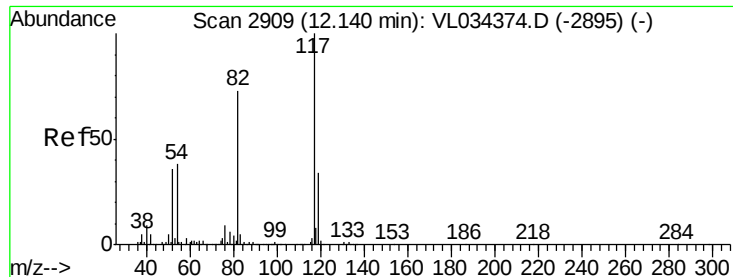
109 93.9 73.0 109.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

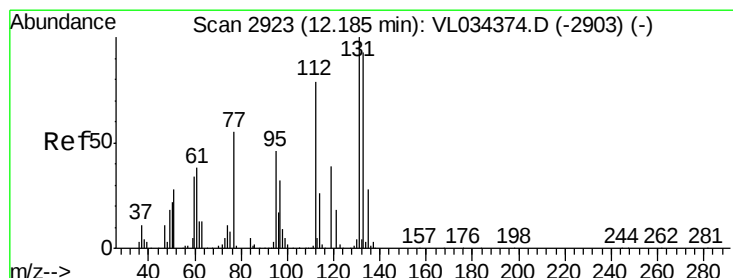
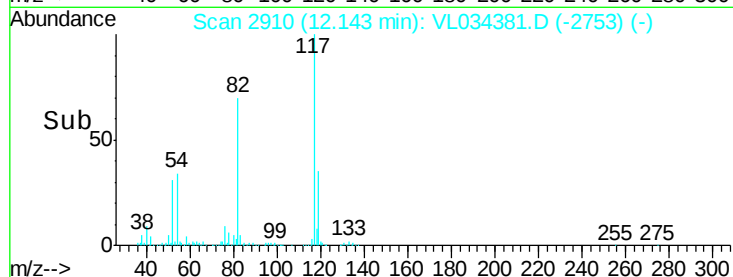
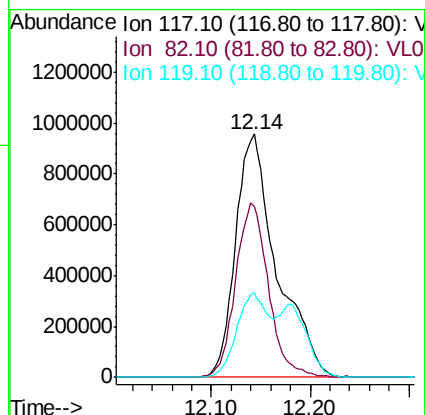
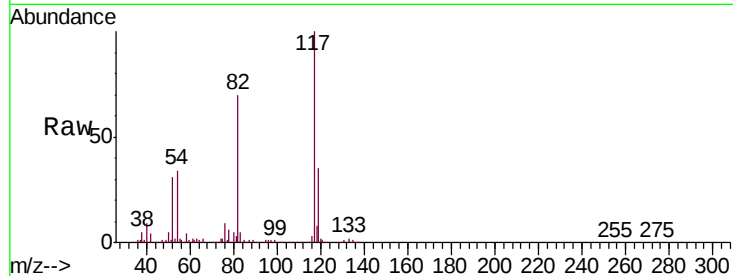




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

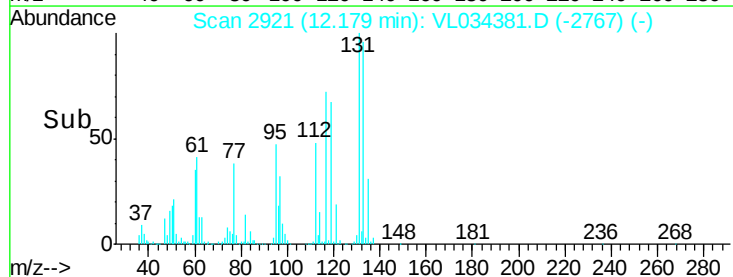
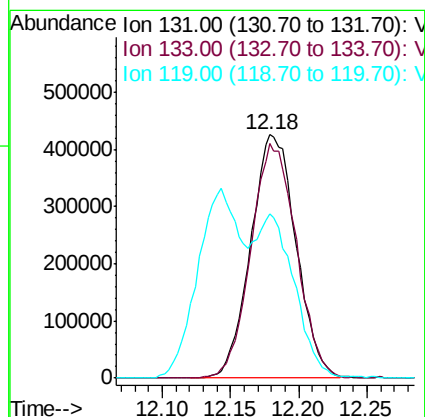
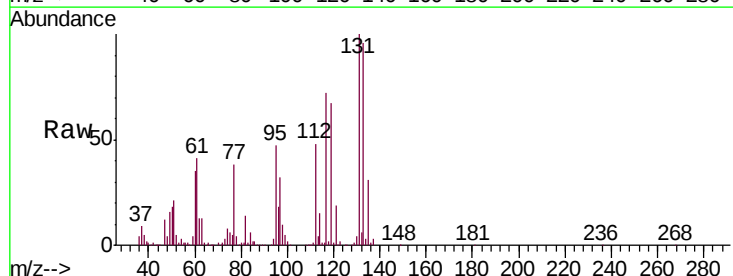
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111919

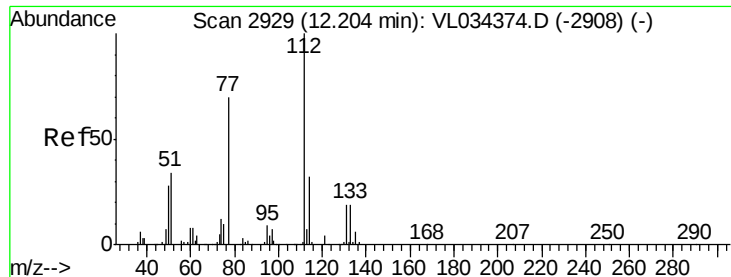
Tgt Ion:117 Resp: 2780889
Ion Ratio Lower Upper
117 100
82 57.3 57.5 86.3#
119 26.6 25.4 38.2



#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

ClientSampleId :

ICVVL111919

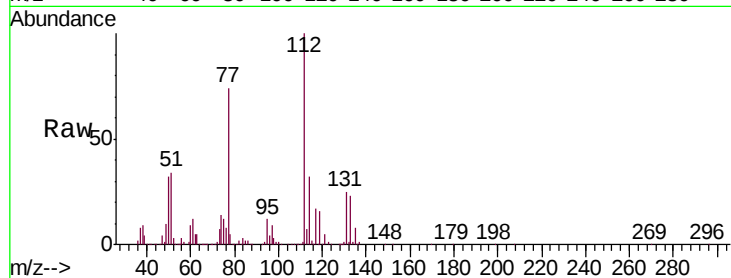
Tgt Ion: 112 Resp: 1750102

Ion Ratio Lower Upper

112 100

77 73.9 57.1 85.7

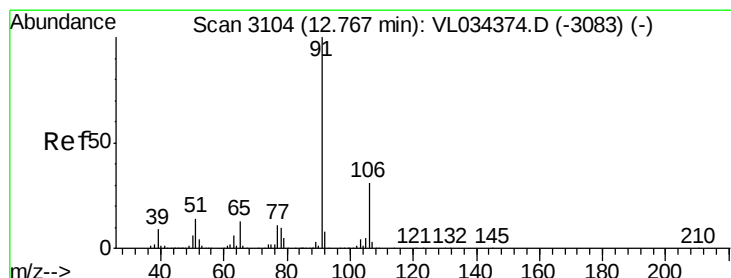
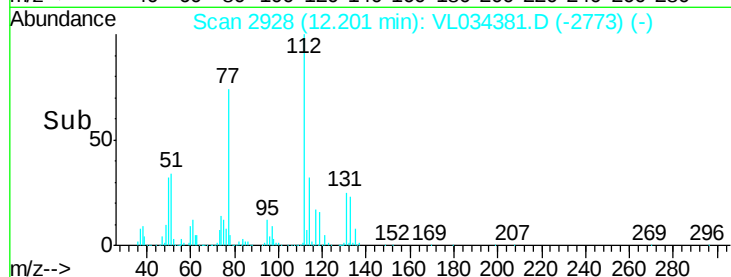
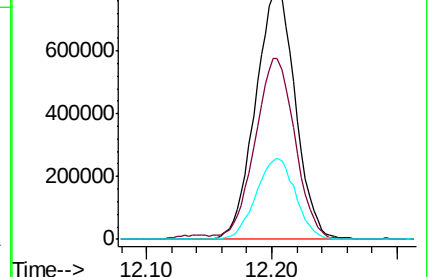
114 32.1 28.5 34.9



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

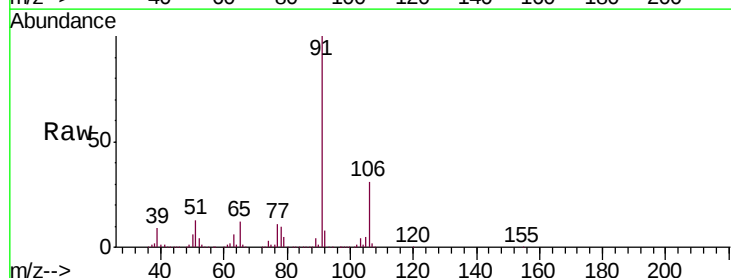
Acq: 19 Nov 2019 15:26

Tgt Ion: 91 Resp: 3187900

Ion Ratio Lower Upper

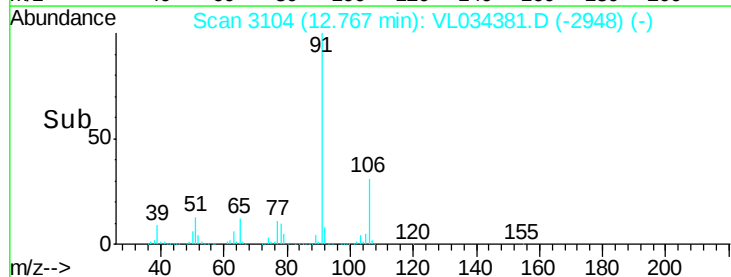
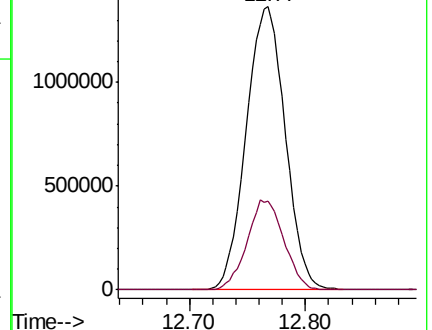
91 100

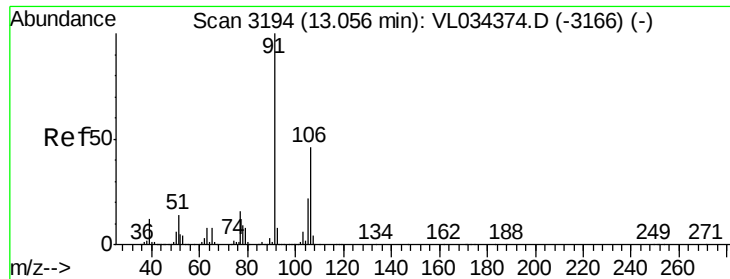
106 31.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

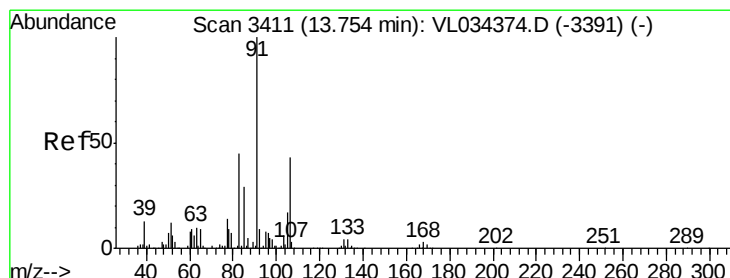
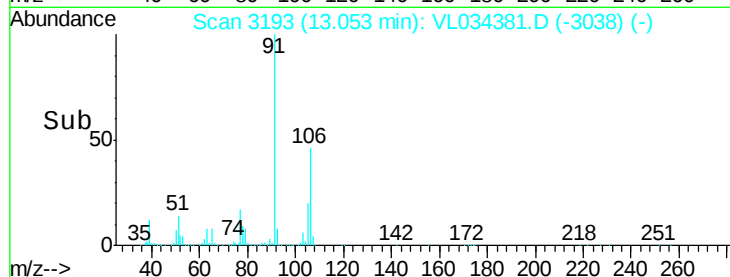
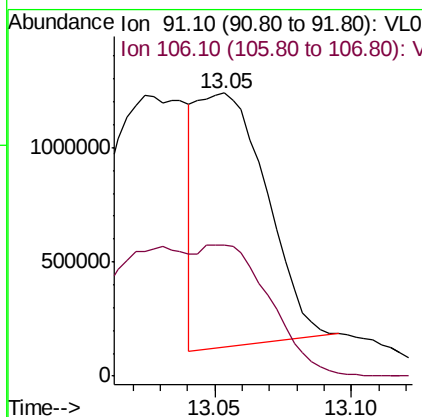
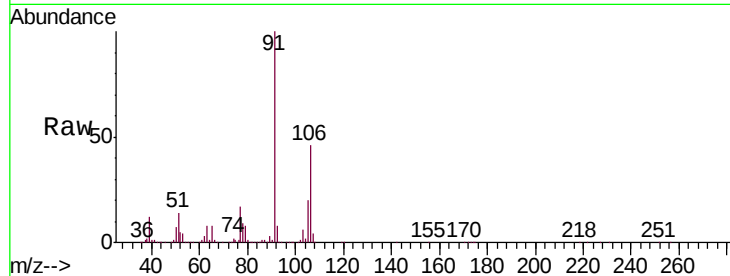




#59
m/p-Xylene
Concen: 5.251 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034381.D
Acq: 19 Nov 2019 15:26

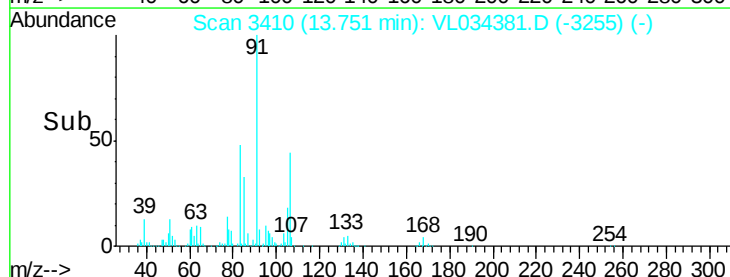
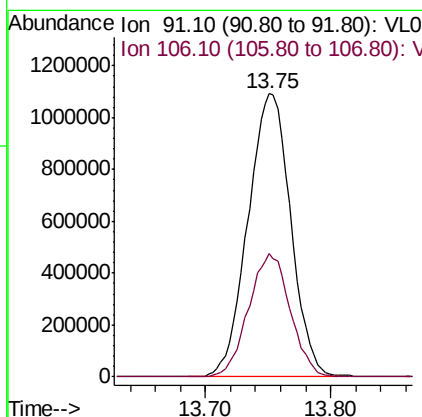
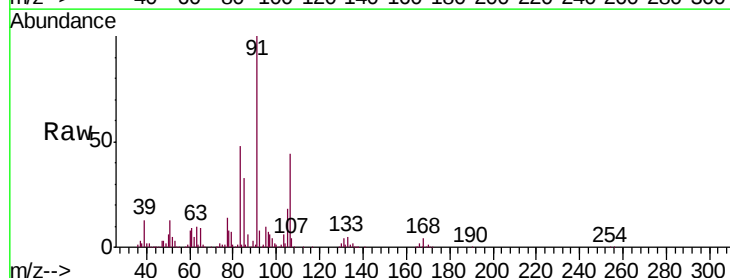
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111919

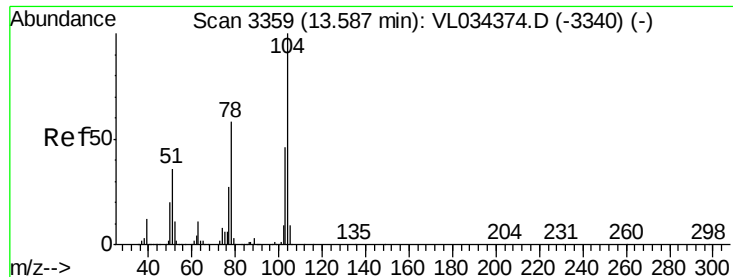
Tgt Ion: 91 Resp: 1958744
Ion Ratio Lower Upper
91 100
106 118.2 34.6 51.8#



#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 :

ICVVL111919

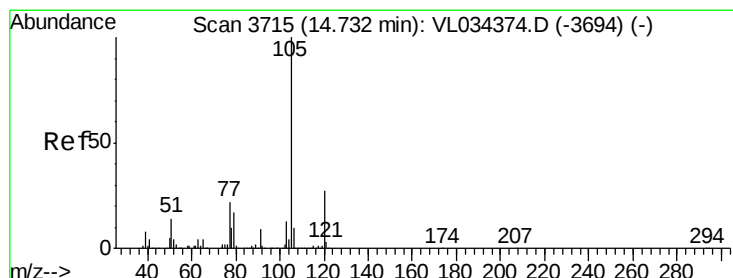
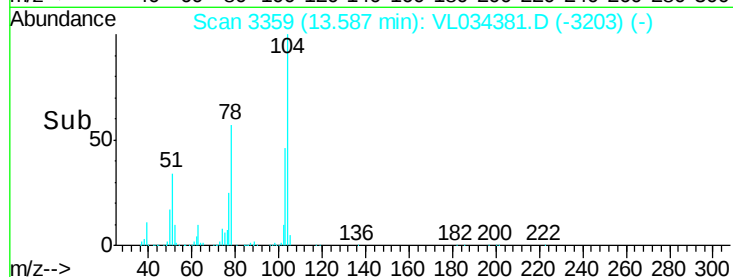
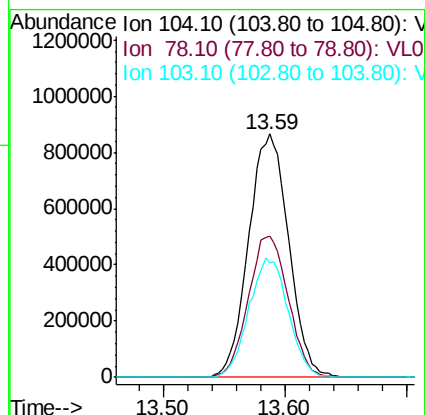
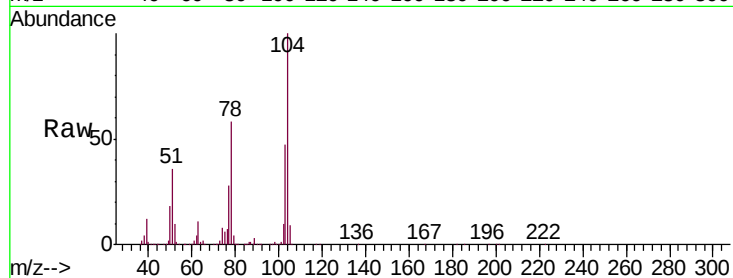
Tgt Ion:104 Resp: 1959228

Ion Ratio Lower Upper

104 100

78 58.3 47.6 71.4

103 48.2 38.6 57.8



#62

Isopropylbenzene

Concen: 6.938 ppbv

RT: 14.73 min Scan# 3714

Delta R.T. -0.00 min

Lab File: VL034381.D

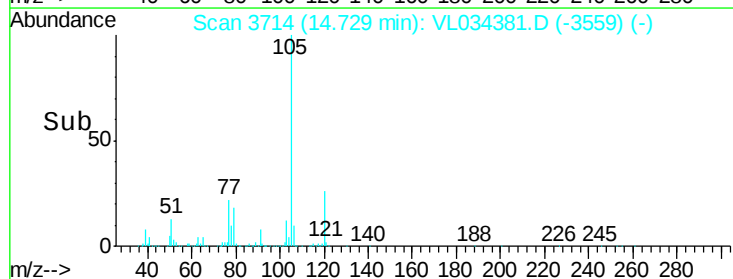
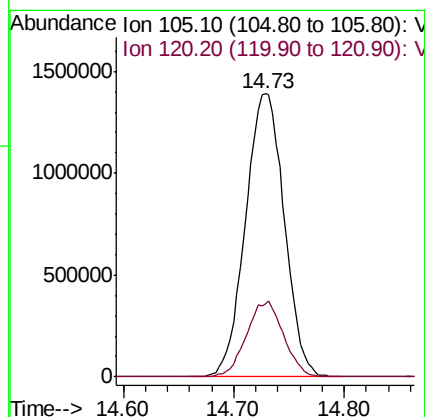
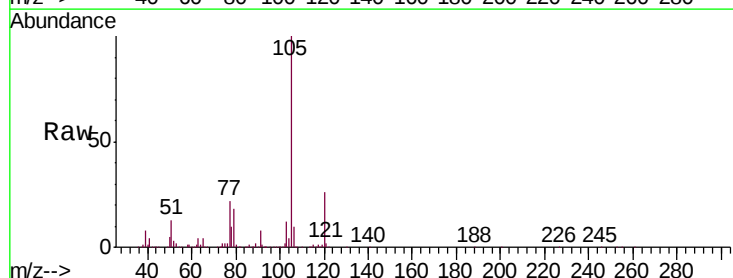
Acq: 19 Nov 2019 15:26

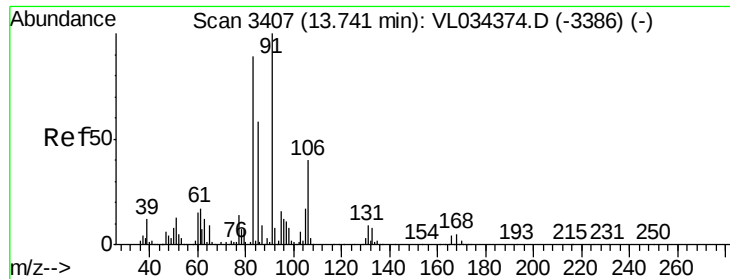
Tgt Ion:105 Resp: 3384458

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

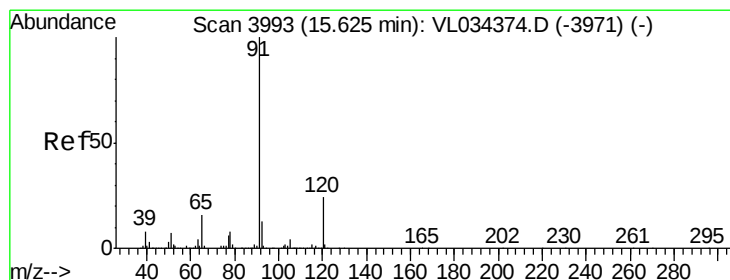
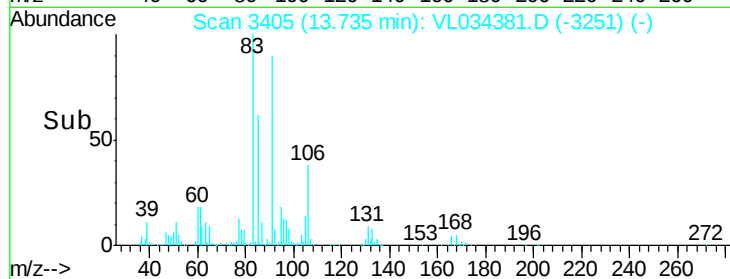
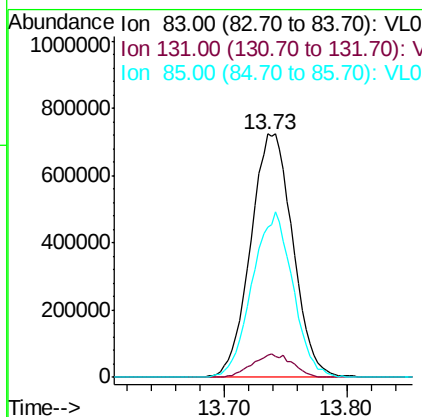
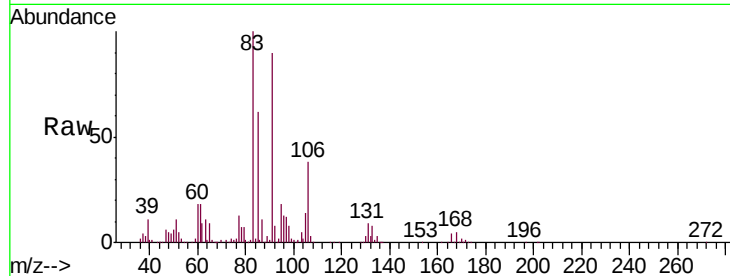




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.229 ppbv
 RT: 13.73 min Scan# 3405
 Delta R.T. -0.01 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

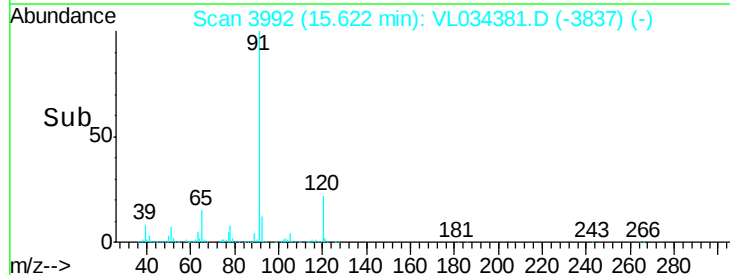
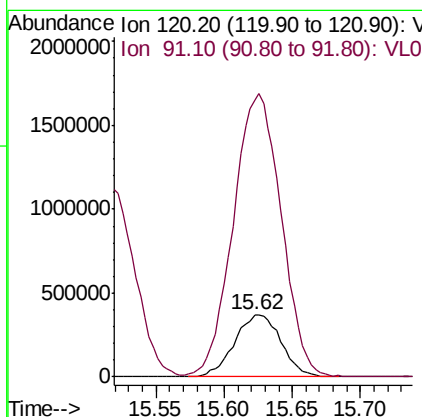
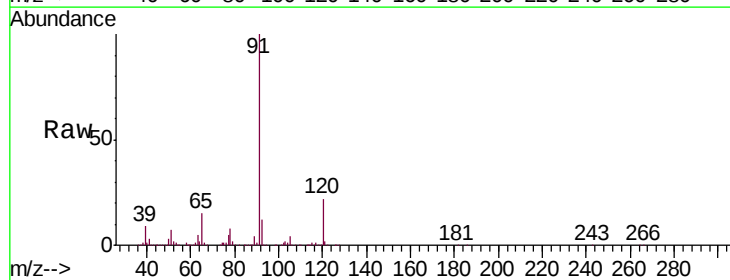
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

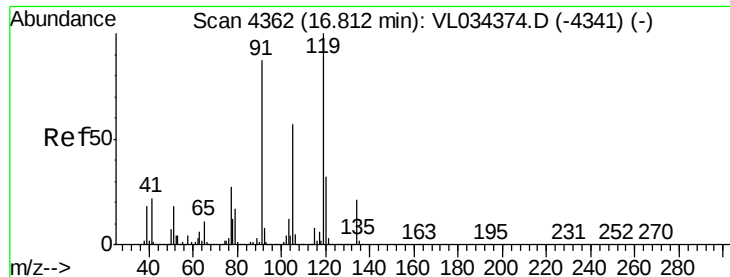
Tgt Ion: 83 Resp: 1726854
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.9 14.7
 85 65.7 32.6 97.8



#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

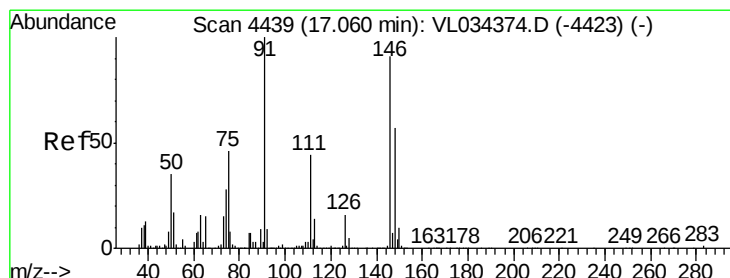
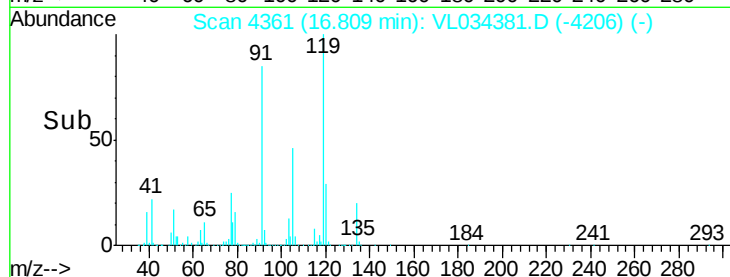
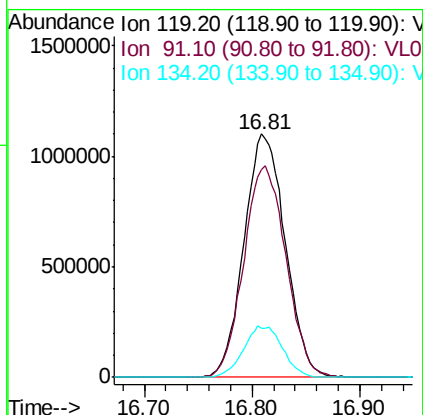
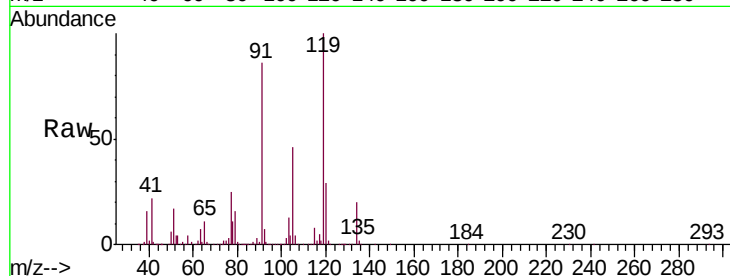




#65
 tert-Butylbenzene
 Concen: 6.681 ppbv
 RT: 16.81 min Scan# 4361
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

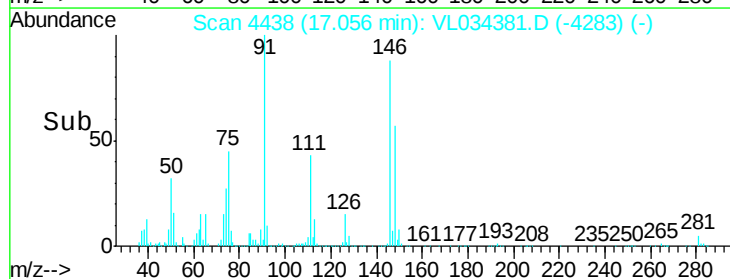
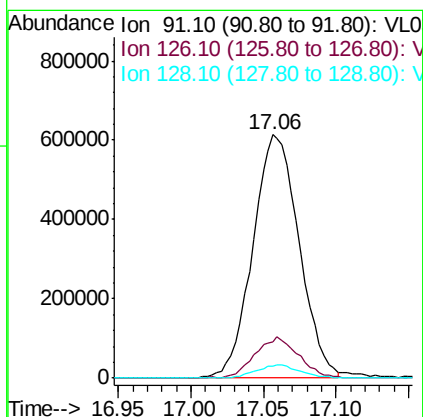
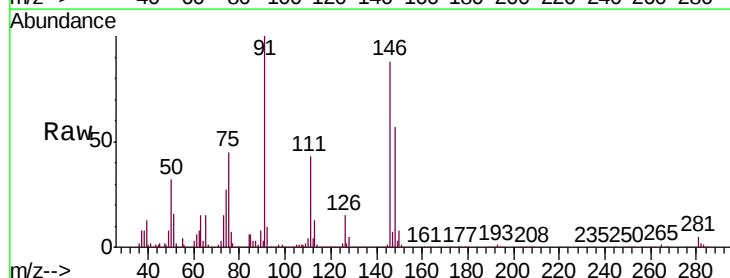
Instrument :
 MSVOA_L
 ClientSampled :
 ICVVL111919

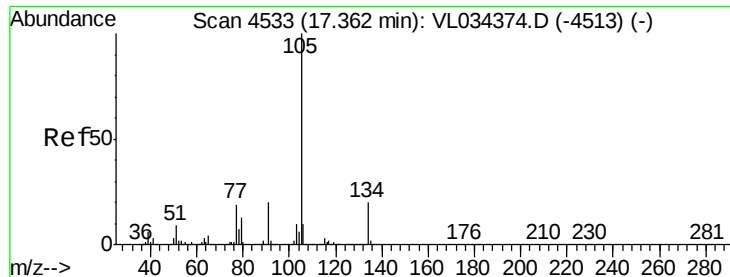
Tgt Ion: 119 Resp: 2927392
 Ion Ratio Lower Upper
 119 100
 91 89.1 71.6 107.4
 134 20.1 15.9 23.9



#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





#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 :

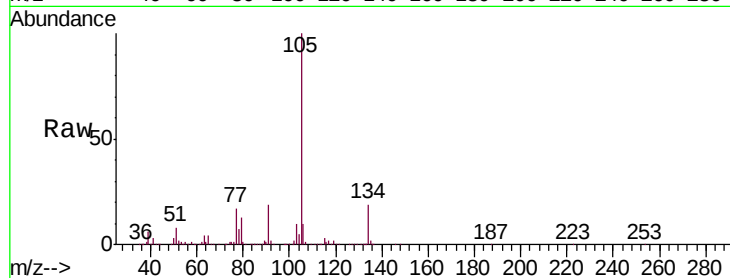
ICVVL111919

Tgt Ion:105 Resp: 4099807

Ion Ratio Lower Upper

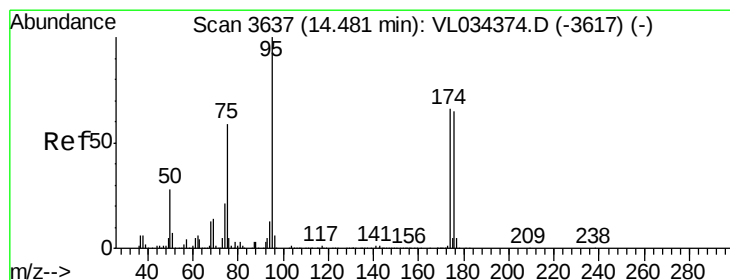
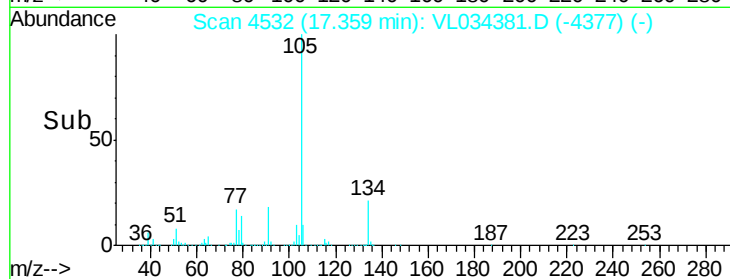
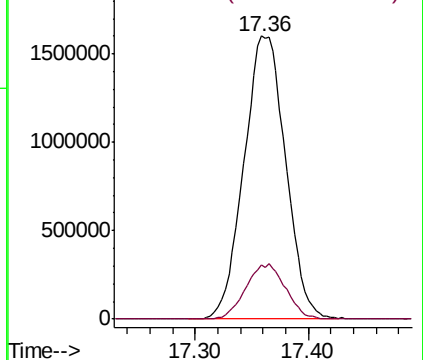
105 100

134 18.6 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 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

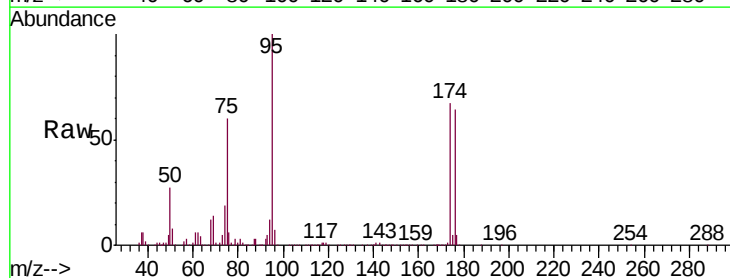
Tgt Ion: 95 Resp: 1828162

Ion Ratio Lower Upper

95 100

174 67.4 52.2 78.2

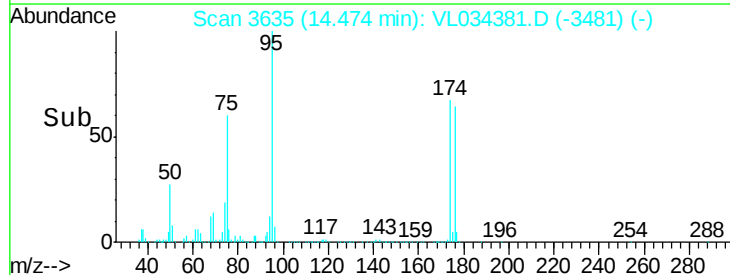
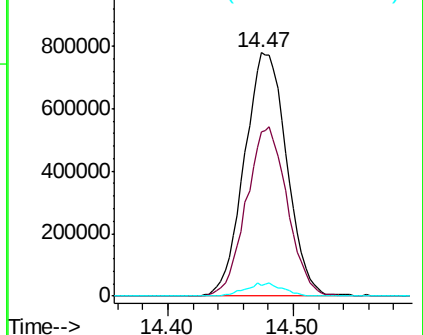
175 4.7 3.8 5.8

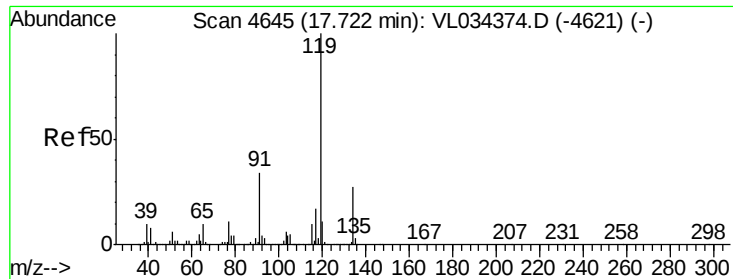


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 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 :

ICVVL111919

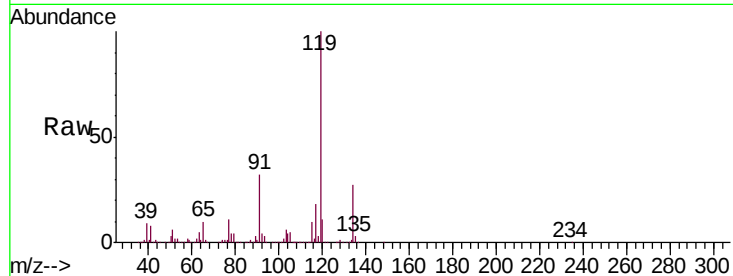
Tgt Ion:119 Resp: 3413128

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

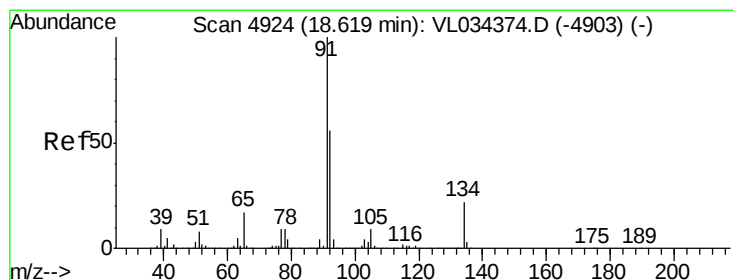
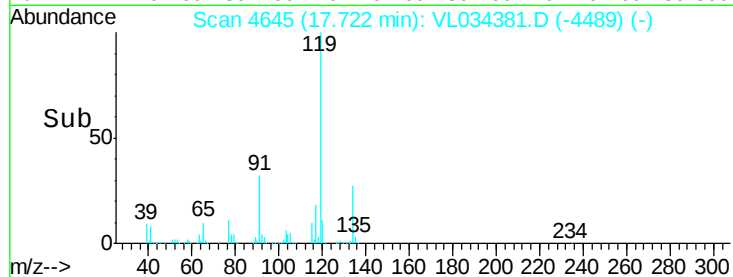
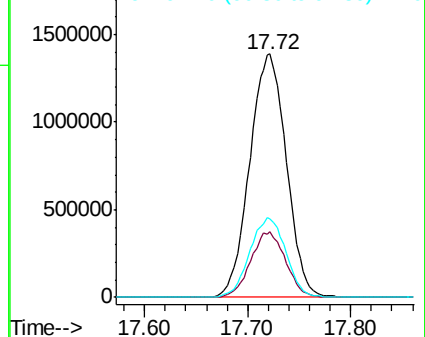
91 32.3 26.3 39.5



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

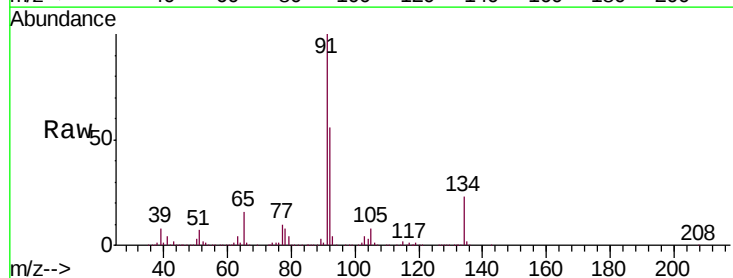
Tgt Ion: 91 Resp: 3670812

Ion Ratio Lower Upper

91 100

92 55.3 43.8 65.6

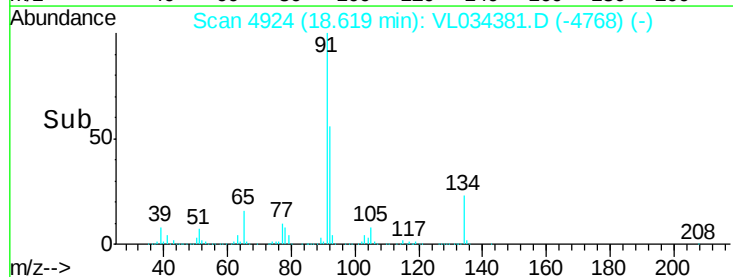
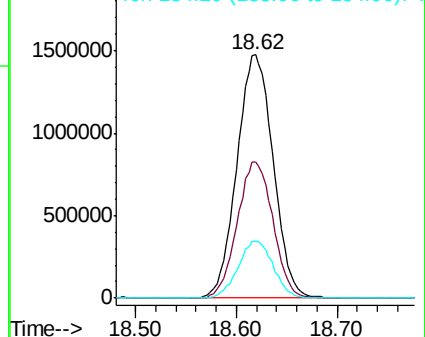
134 22.8 17.9 26.9

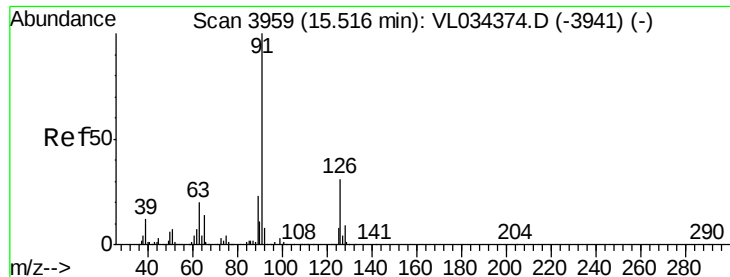


Abundance Ion 91.10 (90.80 to 91.80): VL0

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 :

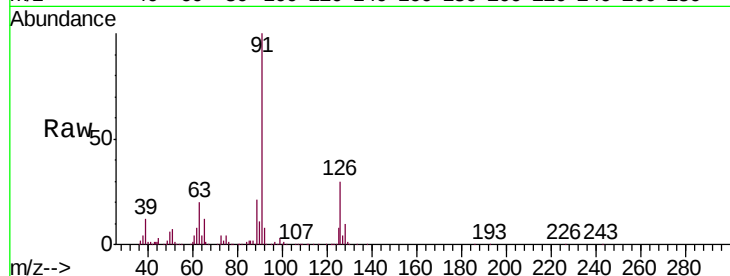
ICVVL111919

Tgt Ion: 91 Resp: 2667671

Ion Ratio Lower Upper

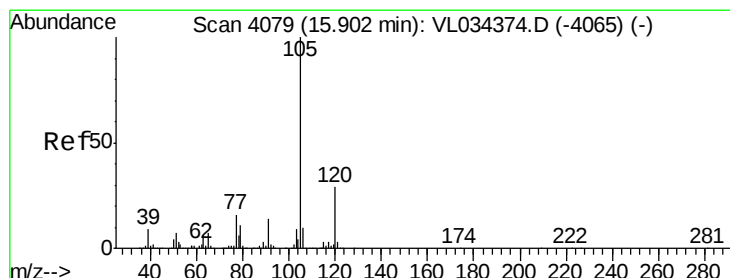
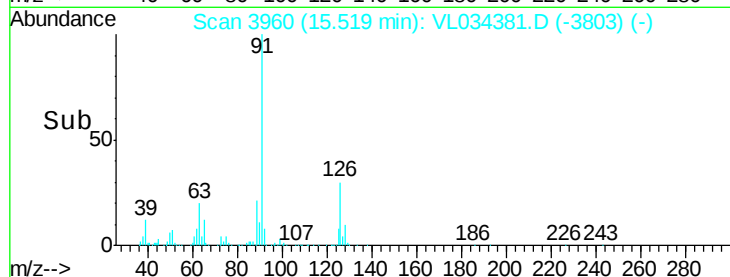
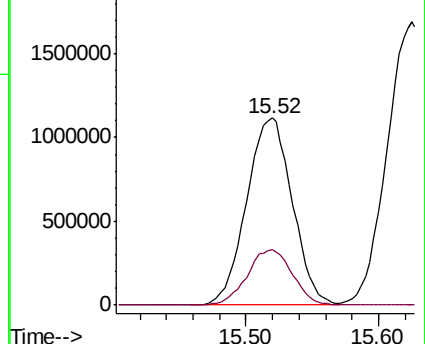
91 100

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

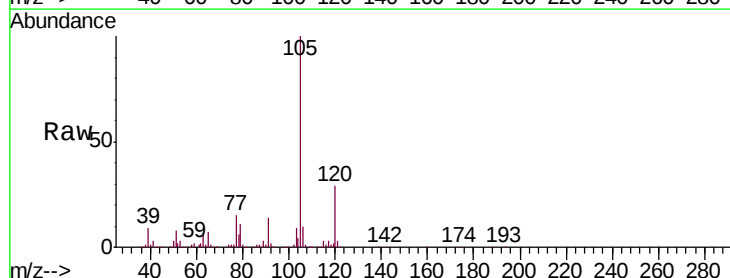
Ion Ratio Lower Upper

105 100

120 29.0 23.5 35.3

91 13.9 11.4 17.0

77 15.2 12.6 19.0

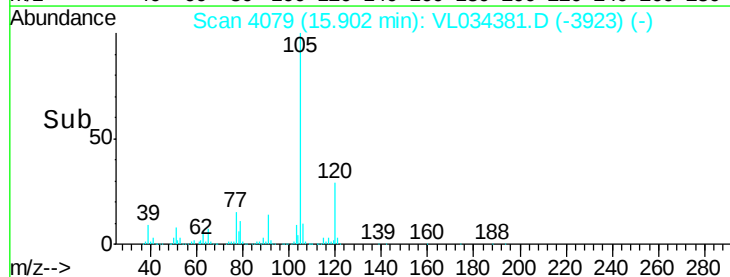
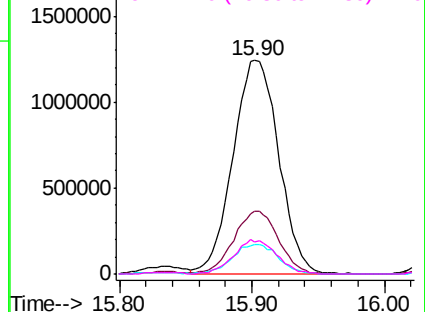


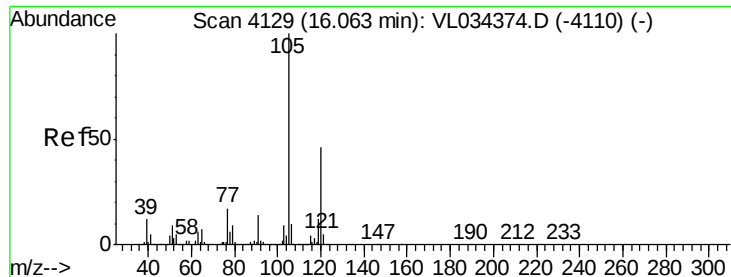
Abundance Ion 105.10 (104.80 to 105.80): V

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

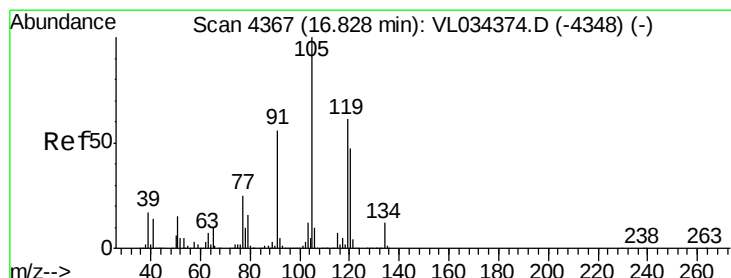
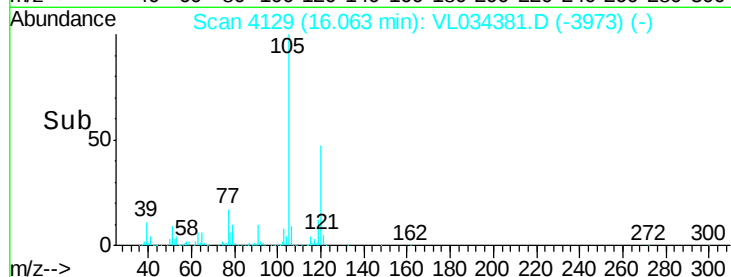
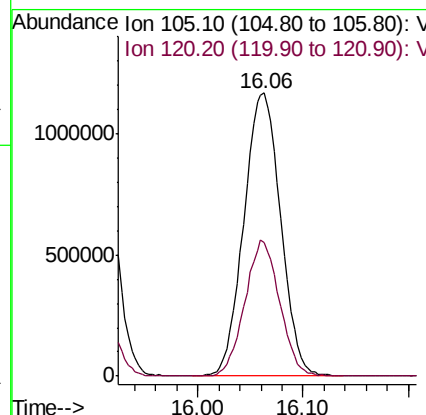
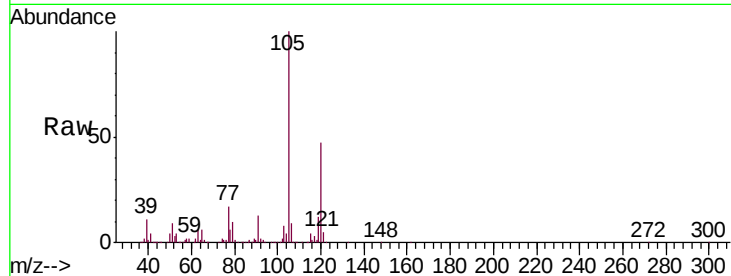




#73
 1,3,5-Trimethylbenzene
 Concen: 6.770 ppbv
 RT: 16.06 min Scan# 4129
 Delta R.T. 0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

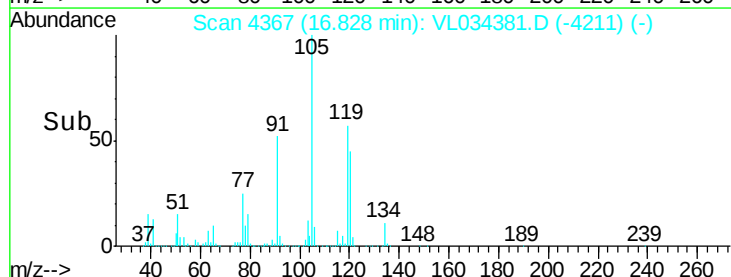
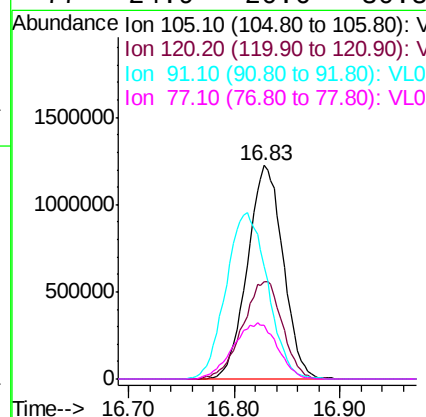
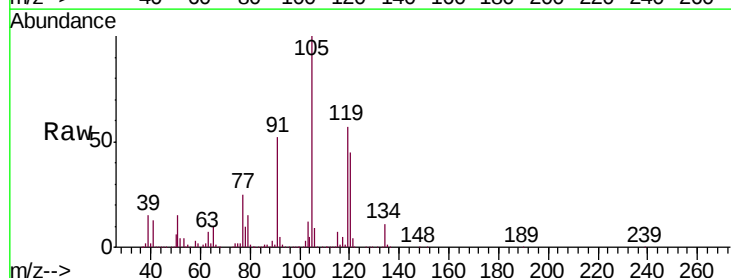
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

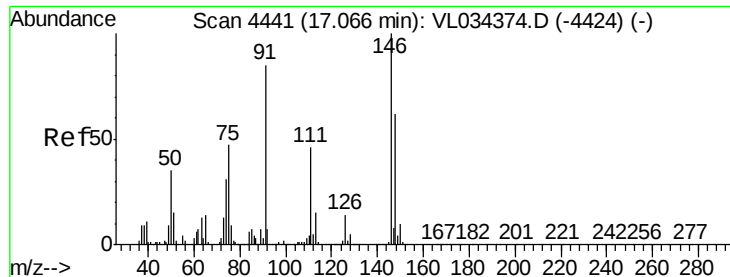
Tgt Ion:105 Resp: 2824185
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.1 55.7



#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





#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

ClientSampleId :

ICVVL111919

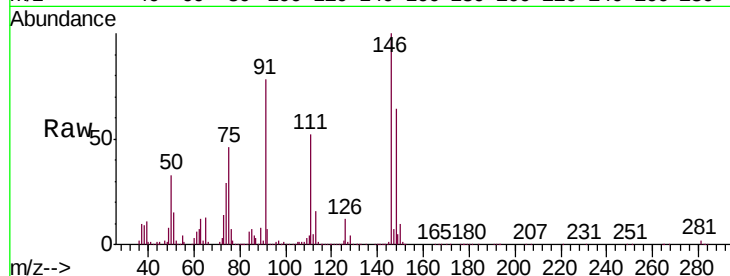
Tgt Ion:146 Resp: 1632589

Ion Ratio Lower Upper

146 100

111 49.0 24.4 73.4

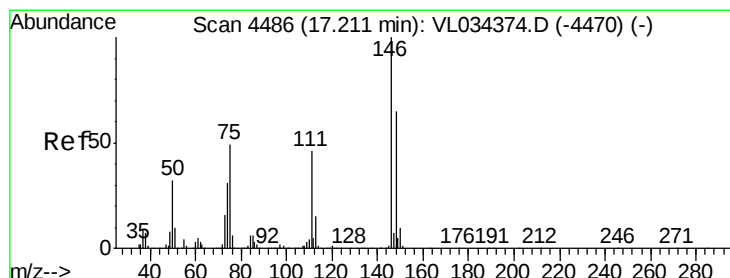
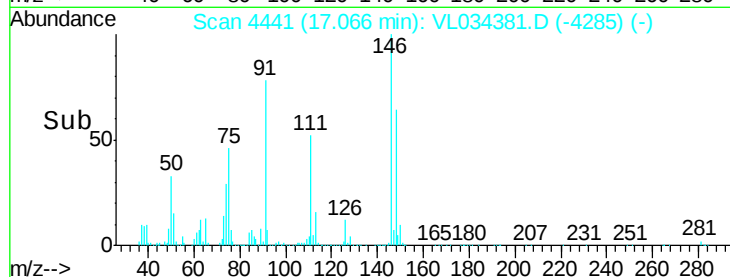
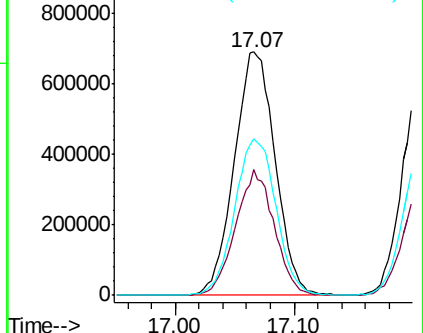
148 65.5 32.4 97.0



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

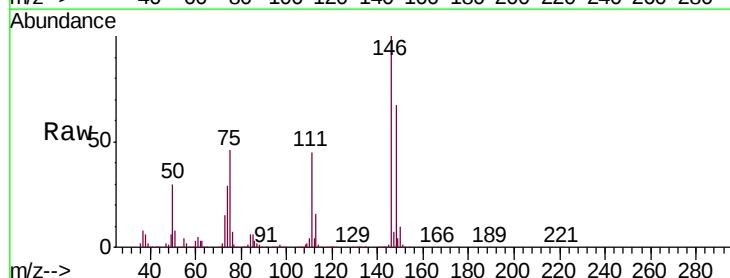
Tgt Ion:146 Resp: 1653413

Ion Ratio Lower Upper

146 100

111 47.0 24.1 72.3

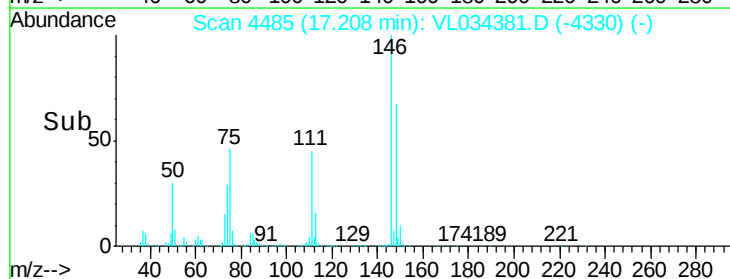
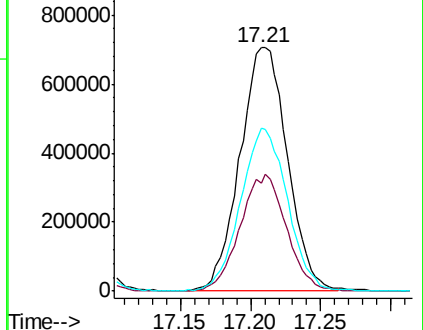
148 66.1 32.9 98.6

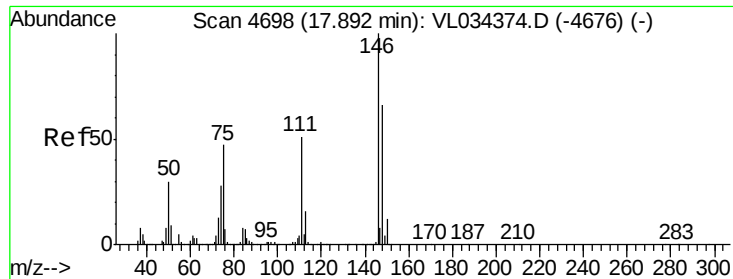


Abundance Ion 146.00 (145.70 to 146.70): V

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 :

ICVVL111919

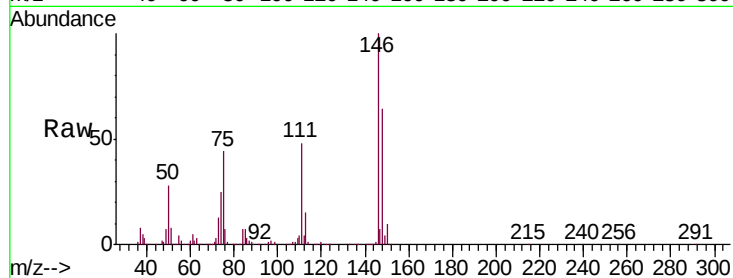
Tgt Ion:146 Resp: 1616913

Ion Ratio Lower Upper

146 100

111 49.1 25.0 75.0

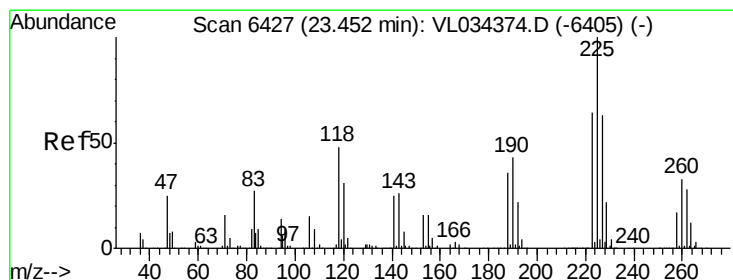
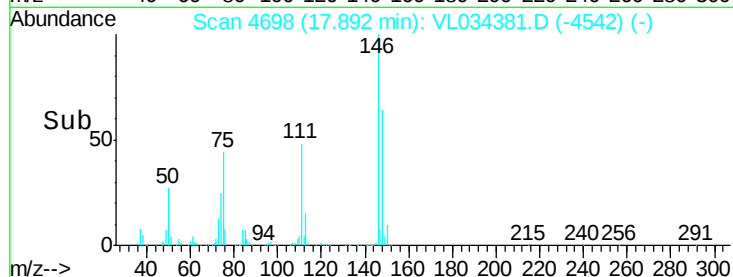
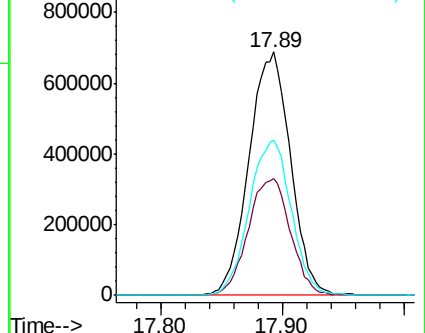
148 64.9 32.7 98.1



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: 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

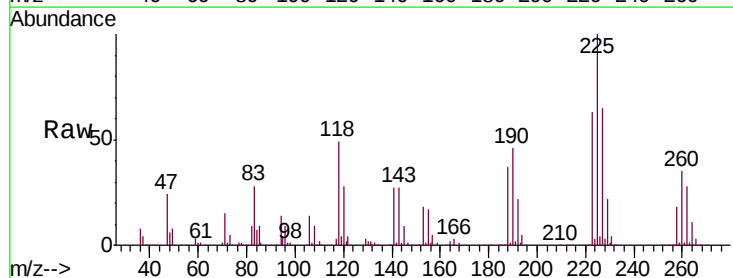
Tgt Ion:225 Resp: 1564492

Ion Ratio Lower Upper

225 100

223 64.0 50.2 75.2

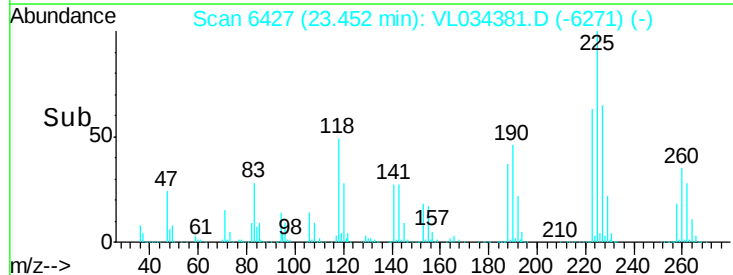
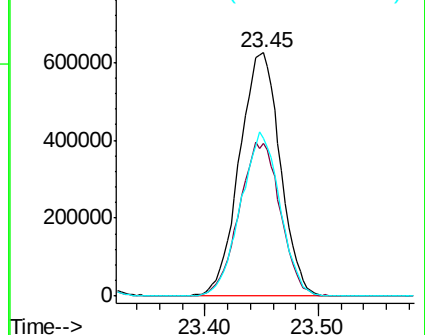
227 64.9 51.5 77.3

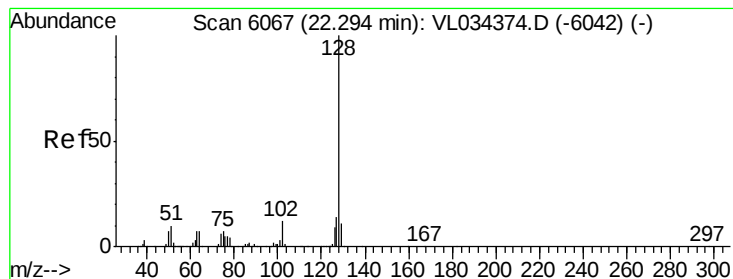


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 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

ClientSampleId :

ICVVL111919

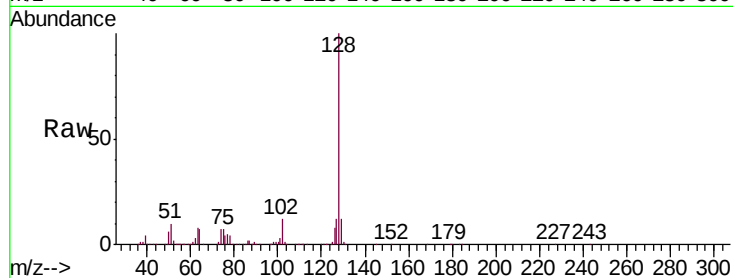
Tgt Ion:128 Resp: 3164060

Ion Ratio Lower Upper

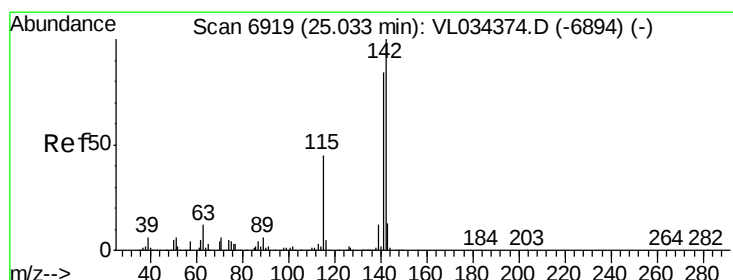
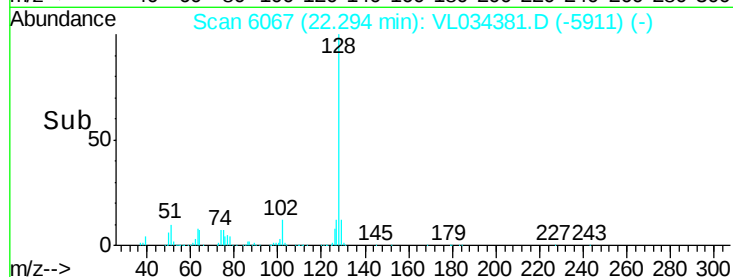
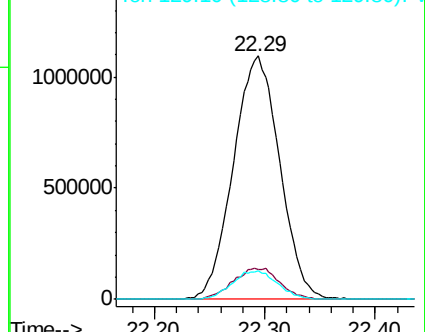
128 100

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

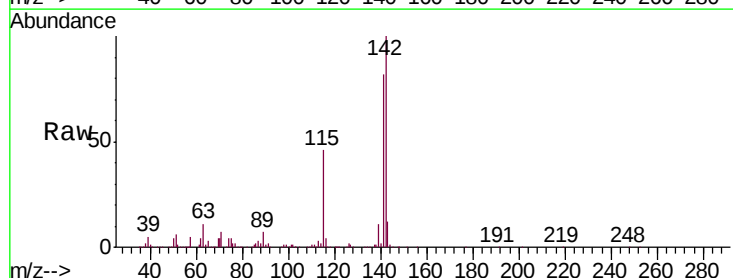
Tgt Ion:142 Resp: 1611281

Ion Ratio Lower Upper

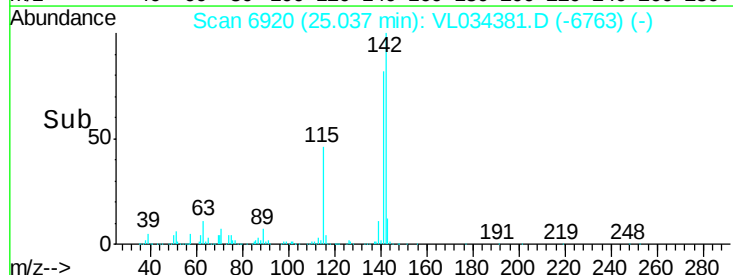
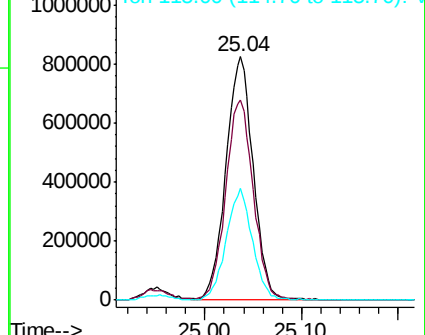
142 100

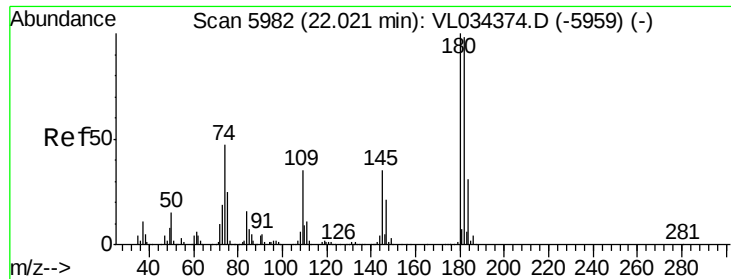
141 83.3 67.1 100.7

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

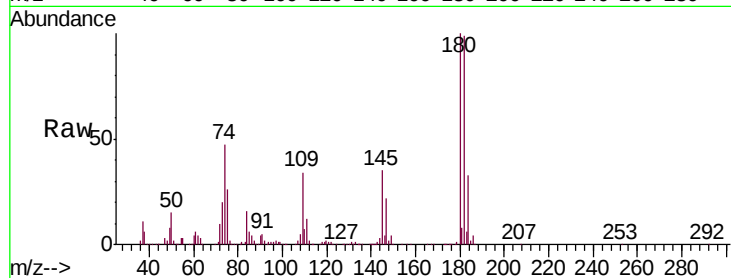




#81
 1,2,4-Trichlorobenzene
 Concen: 7.781 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. -0.00 min
 Lab File: VL034381.D
 Acq: 19 Nov 2019 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111919

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



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

