

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035080.D
 Acq On : 22 May 2020 12:02
 Operator : SY/AP
 Sample : VL0522ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 22 23:12:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1099554	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2566963	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2609461	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2102307	9.95	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1183171	7.582	ppbv 100
3) Chlorodifluoromethane	2.94	51	1271149	10.126	ppbv 100
4) Chloromethane	3.09	50	719148	9.996	ppbv 97
5) Vinyl Chloride	3.21	62	708989	10.102	ppbv 100
6) Bromomethane	3.43	94	428384	10.223	ppbv 87
7) Chloroethane	3.51	64	263685	10.461	ppbv 94
8) Dichlorotetrafluoroethane	3.14	85	1622497	10.046	ppbv 99
9) Propene	2.96	41	523175	9.604	ppbv 97
10) Heptane	8.12	43	1484990	10.881	ppbv 100
11) Trichlorofluoromethane	3.91	101	1672102	10.391	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1176408	10.267	ppbv 100
13) Ethanol	3.56	45	166918	9.286	ppbv 98
14) Bromoethene	3.70	108	521723	11.019	ppbv 97
15) Acetone	3.81	43	1349754	9.285	ppbv 100
16) 1,3-Butadiene	3.28	39	655439	10.477	ppbv 100
17) tert-Butyl alcohol	4.25	59	1280399	9.900	ppbv 100
18) 1,1-Dichloroethene	4.25	96	550756	11.080	ppbv 97
19) Isopropyl Alcohol	3.92	45	974306	10.050	ppbv # 98
20) Methylene Chloride	4.31	84	483794	10.054	ppbv 95
21) Allyl Chloride	4.38	41	899531	10.955	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	544726	11.063	ppbv 93
23) Vinyl Acetate	5.04	43	1968303	10.678	ppbv 100
24) 1,1-Dichloroethane	4.98	63	1450012	10.213	ppbv 99
25) Ethyl Acetate	5.65	43	2538422	10.396	ppbv 100
26) Hexane	5.66	57	1129853	10.673	ppbv 99
27) Carbon Disulfide	4.51	76	1387376	11.120	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1649856	10.234	ppbv 100
29) Chloroform	5.73	83	1756072	10.139	ppbv 95
30) Cyclohexane	7.12	84	943390	11.548	ppbv 97
31) cis-1,2-Dichloroethene	5.53	61	1132285	10.963	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	1677571	10.725	ppbv 100
34) 2-Butanone	5.22	43	1631149	10.224	ppbv 99
35) Carbon Tetrachloride	7.01	117	1738200	10.728	ppbv 98
36) Benzene	6.88	78	2241812	10.593	ppbv 97
37) 1,2-Dichloroethane	6.29	62	1368480	10.482	ppbv 100
38) Trichloroethene	7.83	130	866384	10.567	ppbv 98
39) 1,2-Dichloropropane	7.61	63	889501	10.484	ppbv 98
40) 1,4-Dioxane	7.83	88	349219	10.127	ppbv 95
41) Tetrahydrofuran	6.03	42	909001	10.822	ppbv 97
42) Bromodichloromethane	7.79	83	1869547	10.618	ppbv 98
43) Methyl Methacrylate	8.01	69	1042415	11.665	ppbv 96

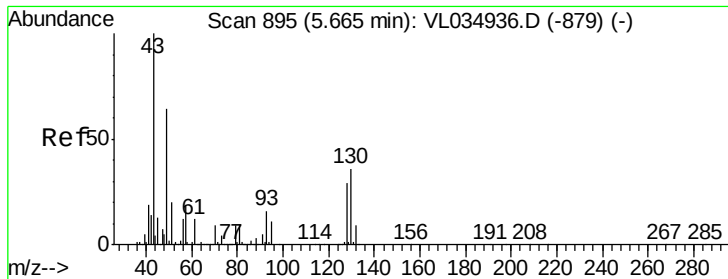
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035080.D
 Acq On : 22 May 2020 12:02
 Operator : SY/AP
 Sample : VL0522ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: May 22 23:12:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3893628	10.348	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1124821	12.472	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1361557	12.297	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	937639	10.473	ppbv	95
48) Dibromochloromethane	10.31	129	1532747	11.133	ppbv	99
49) Bromoform	13.06	173	1338340	11.297	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2479525	10.899	ppbv	100
51) 2-Hexanone	10.14	43	2039425	11.461	ppbv	99
52) Tetrachloroethene	11.23	164	793514	10.545	ppbv	97
53) Toluene	9.81	91	2600589	11.592	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1419139	10.794	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1157641	9.837	ppbv	96
57) Chlorobenzene	12.16	112	1949377	9.430	ppbv	99
58) Ethyl Benzene	12.73	91	3496668	10.836	ppbv	99
59) m/p-Xylene	13.01	91	2857706	10.066	ppbv	89
60) o-Xylene	13.71	91	2876495	10.268	ppbv	100
61) Styrene	13.55	104	2031548	11.459	ppbv	100
62) Isopropylbenzene	14.69	105	4216224	10.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2015099	9.138	ppbv	99
64) n-propylbenzene	15.59	120	1107841	10.326	ppbv	99
65) tert-Butylbenzene	16.77	119	3626541	9.997	ppbv	100
66) Benzyl Chloride	17.02	91	1384247	11.240	ppbv	97
67) sec-Butylbenzene	17.32	105	5186843	10.016	ppbv	100
69) p-Isopropyltoluene	17.68	119	4260044	10.168	ppbv	100
70) n-Butylbenzene	18.58	91	4505295	10.104	ppbv	99
71) 2-Chlorotoluene	15.47	91	3293427	10.431	ppbv	99
72) 4-Ethyltoluene	15.86	105	3330559	10.656	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3100247	10.193	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3219539	9.697	ppbv #	87
75) 1,3-Dichlorobenzene	17.02	146	1079306	5.536	ppbv #	31
76) 1,4-Dichlorobenzene	17.17	146	1825909	9.857	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1753684	9.547	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1476774	9.431	ppbv	100
79) Naphthalene	22.24	128	3186205	12.323	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1426174	22.440	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	1669016	10.645	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

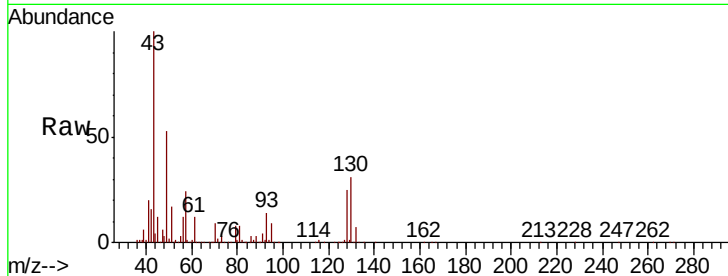
Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1099554

Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.1	66.5
130	58.1	29.1	87.3

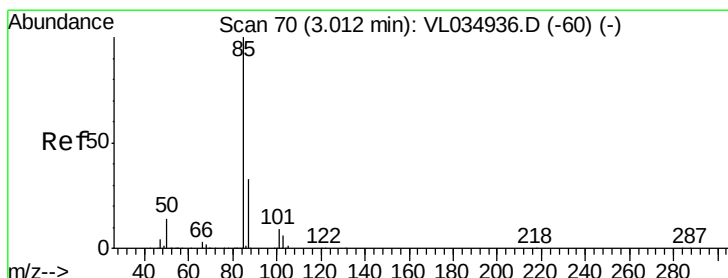
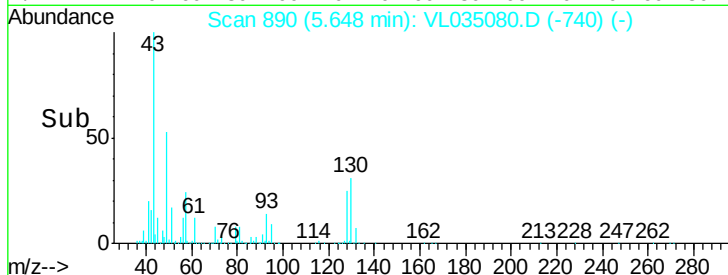


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#2

Dichlorodifluoromethane

Concen: 7.582 ppbv

RT: 3.00 min Scan# 66

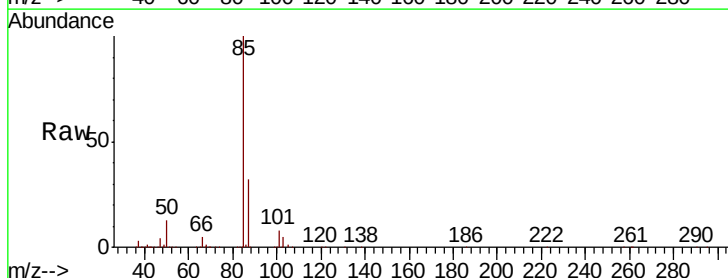
Delta R.T. -0.01 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Tgt Ion: 85 Resp: 1183171

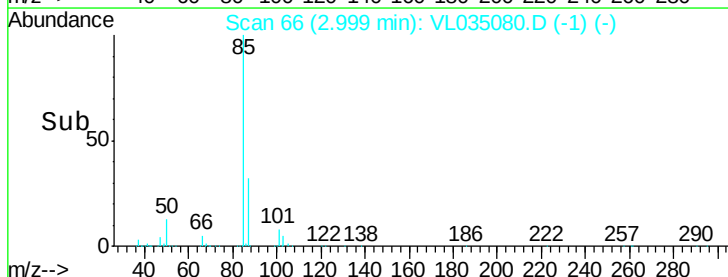
Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2

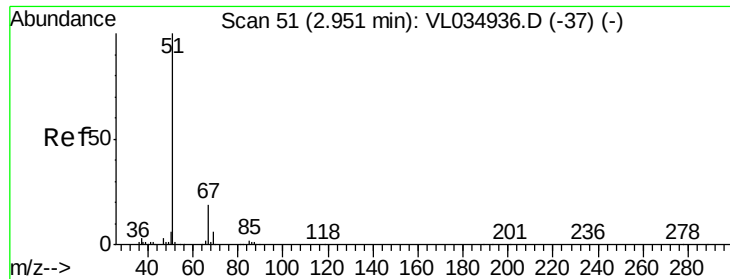


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->

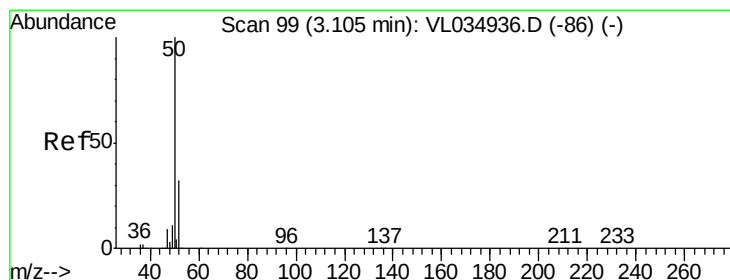
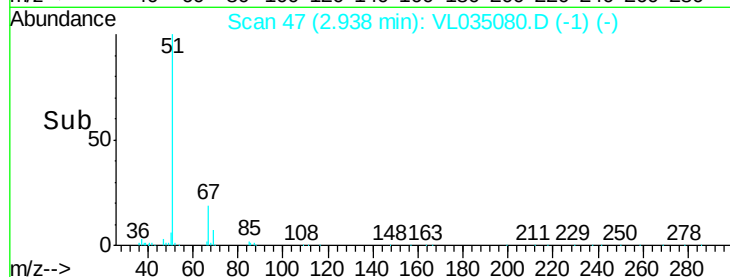
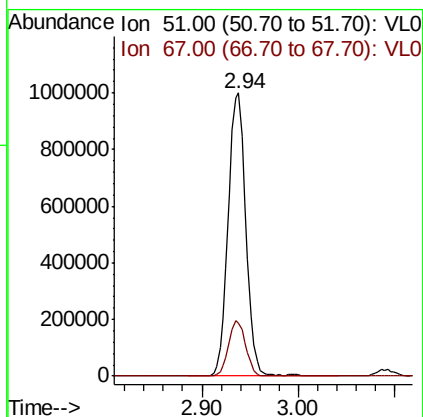
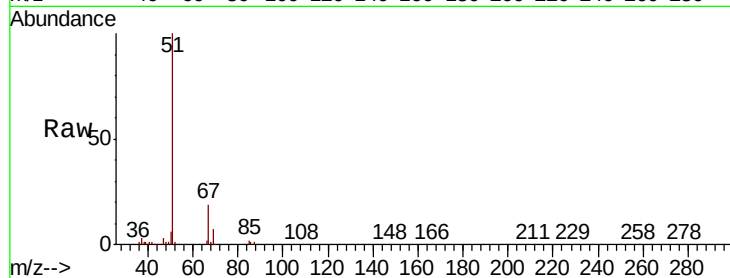




#3
Chlorodifluoromethane
Concen: 10.126 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

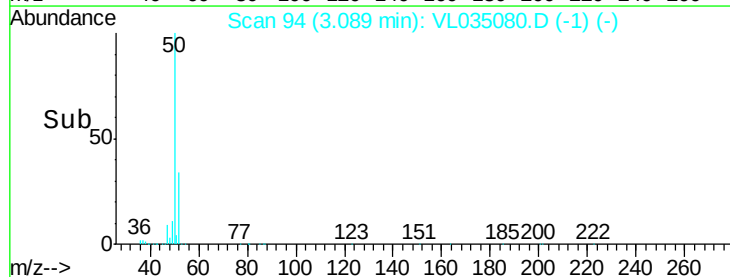
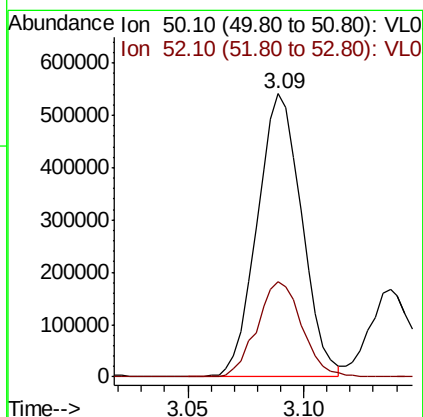
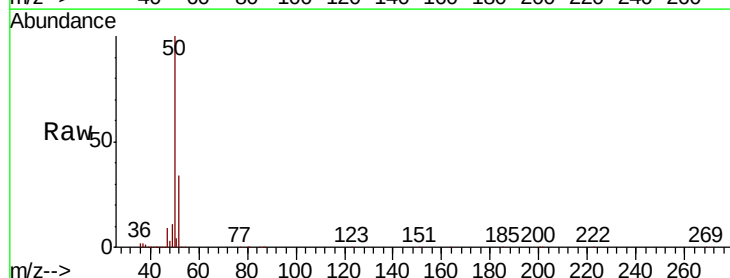
Instrument :
MSVOA_L
ClientSampleId :

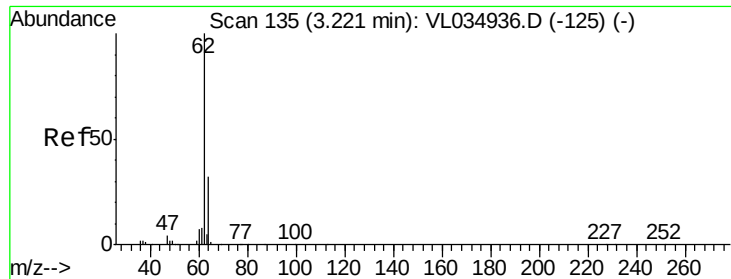
Tot Ion: 51 Resp: 1271149
Ion Ratio Lower Upper
51 100
67 19.0 15.0 22.6



#4
Chloromethane
Concen: 9.996 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 50 Resp: 719148
Ion Ratio Lower Upper
50 100
52 33.6 25.4 38.2





#5

Vinyl Chloride

Concen: 10.102 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

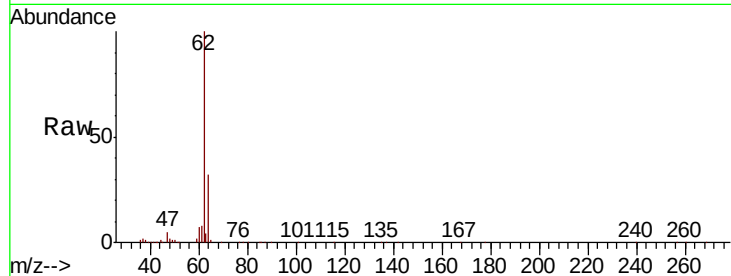
ClientSampled :

Tot Ion: 62 Resp: 708989

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

600000

500000

400000

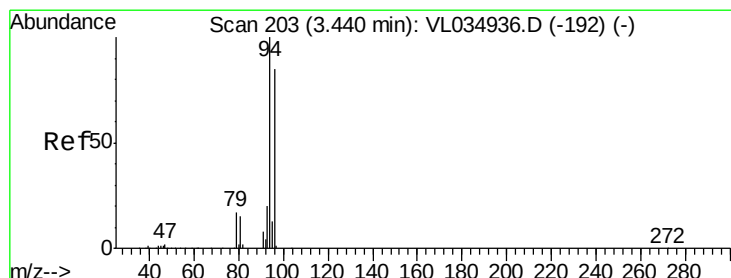
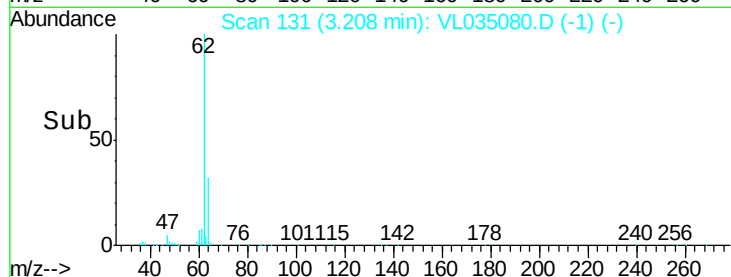
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 10.223 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035080.D

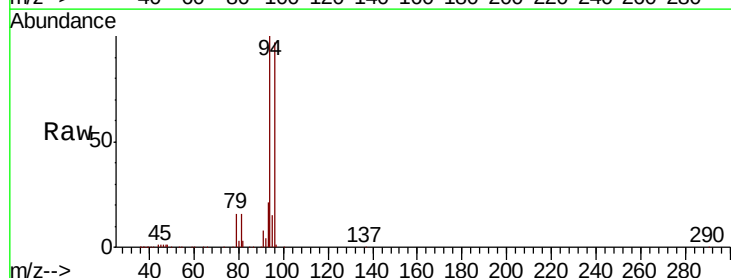
Acq: 22 May 2020 12:02

Tgt Ion: 94 Resp: 428384

Ion Ratio Lower Upper

94 100

96 96.8 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

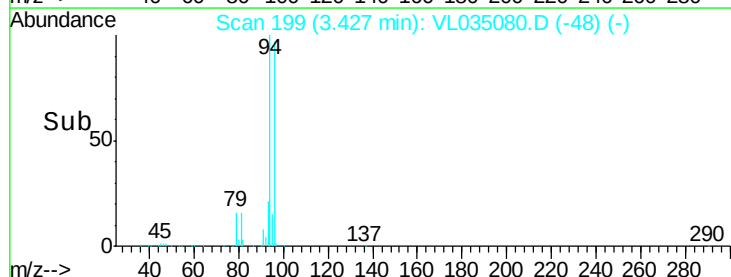
300000

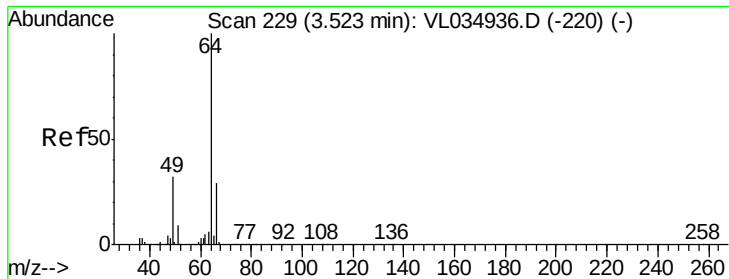
200000

100000

0

Time--> 3.40 3.45





#7

Chloroethane

Concen: 10.461 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

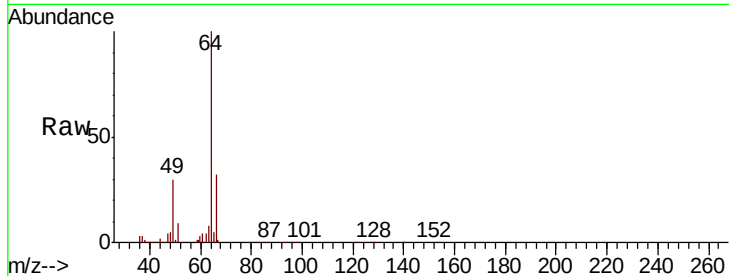
ClientSampleId :

Tot Ion: 64 Resp: 263685

Ion Ratio Lower Upper

64 100

66 32.1 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

200000

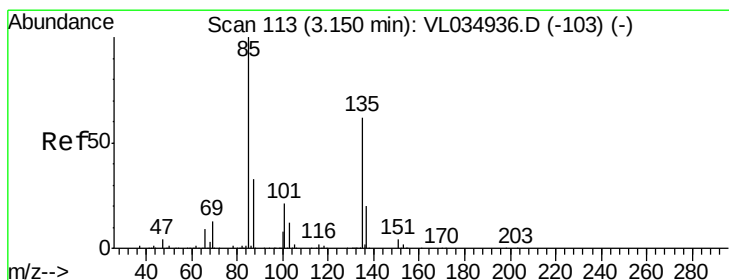
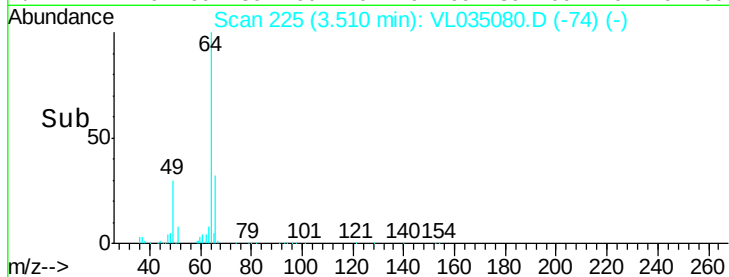
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.046 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035080.D

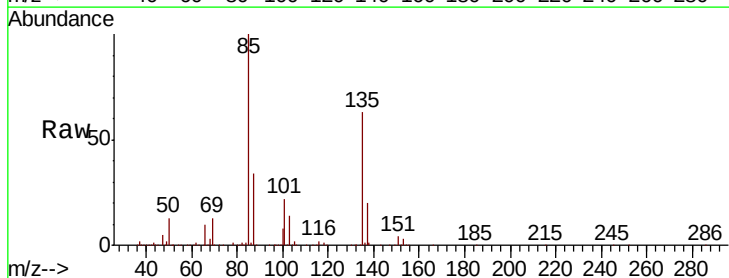
Acq: 22 May 2020 12:02

Tgt Ion: 85 Resp: 1622497

Ion Ratio Lower Upper

85 100

135 62.9 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

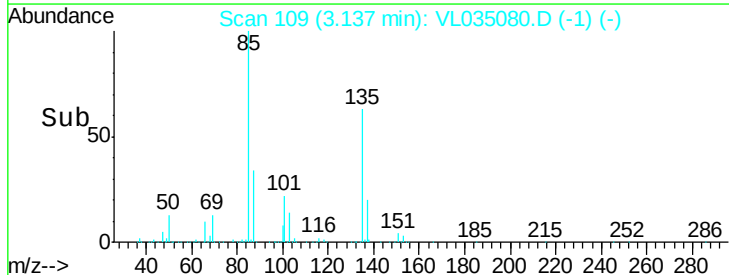
1500000

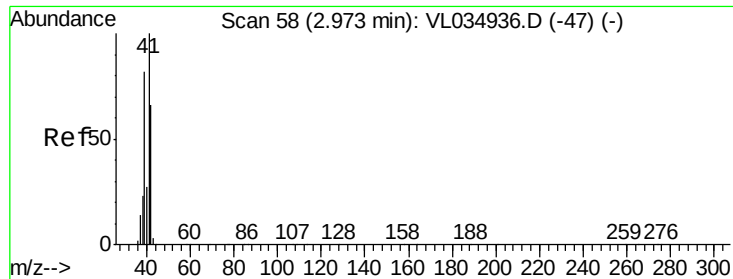
1000000

500000

0

Time-->





#9

Propene

Concen: 9.604 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

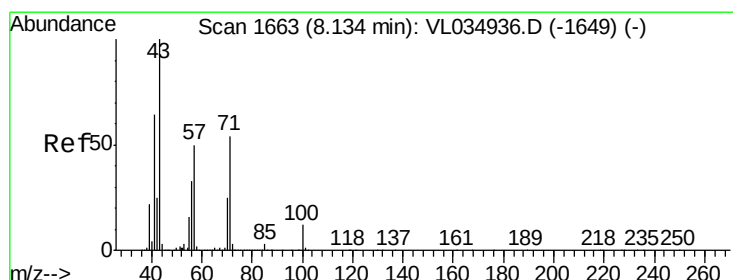
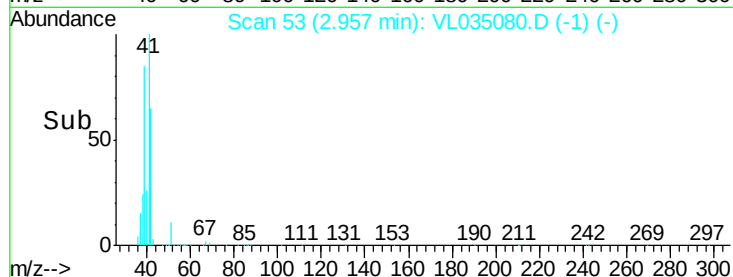
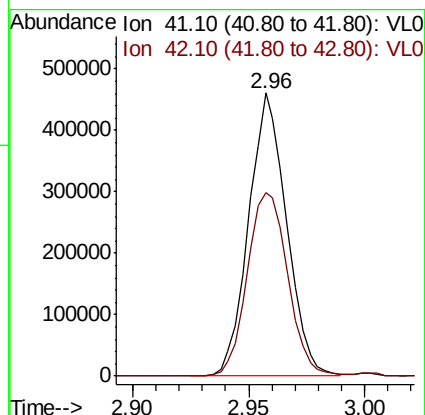
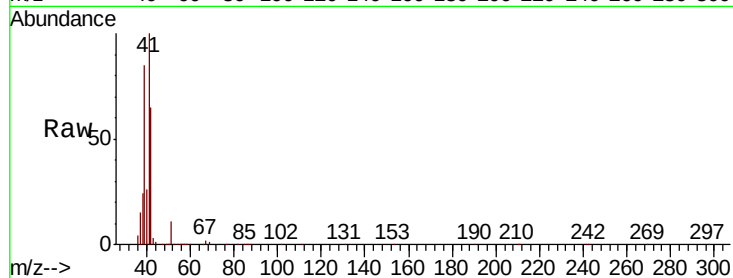
ClientSampleId :

Tot Ion: 41 Resp: 523175

Ion Ratio Lower Upper

41 100

42 70.3 54.5 81.7



#10

Heptane

Concen: 10.881 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035080.D

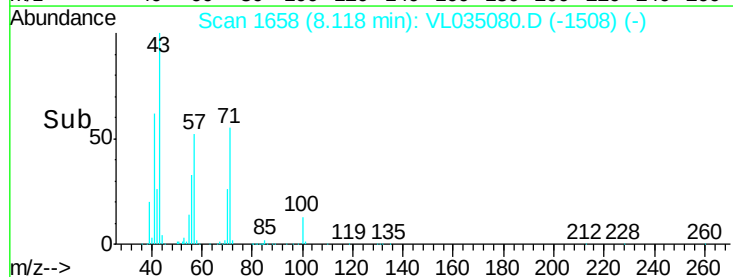
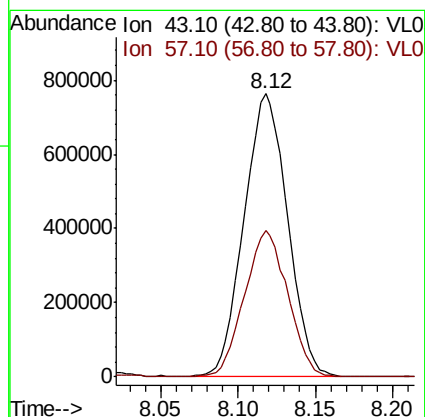
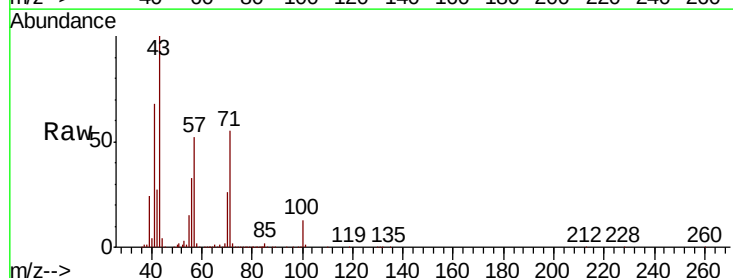
Acq: 22 May 2020 12:02

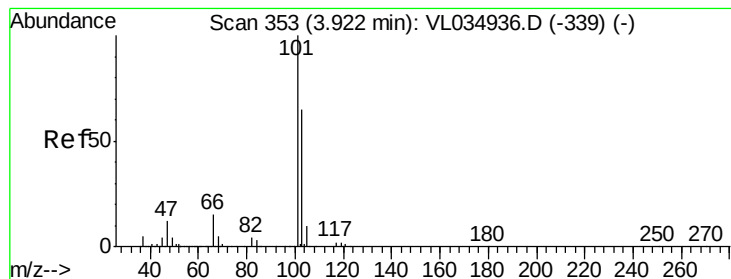
Tgt Ion: 43 Resp: 1484990

Ion Ratio Lower Upper

43 100

57 51.6 41.1 61.7





#11

Trichlorofluoromethane

Concen: 10.391 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

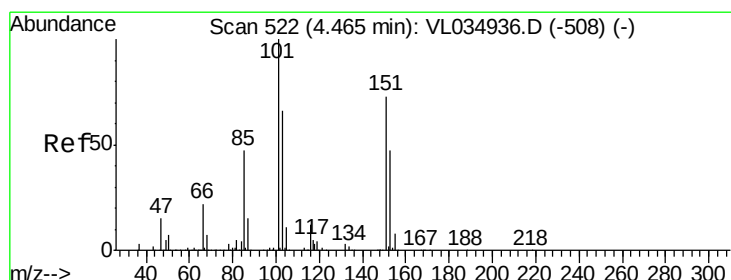
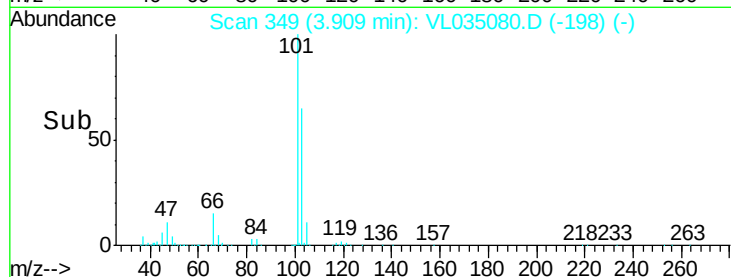
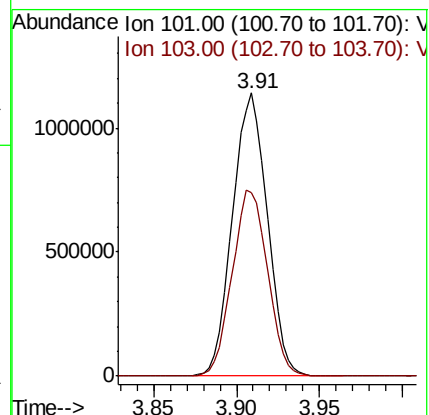
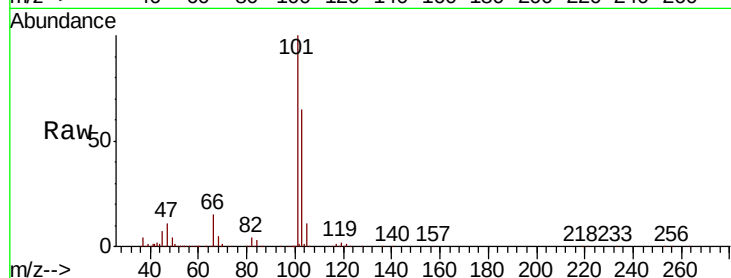
ClientSampleId :

Tot Ion:101 Resp: 1672102

Ion Ratio Lower Upper

101 100

103 65.0 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.267 ppbv

RT: 4.45 min Scan# 517

Delta R.T. -0.02 min

Lab File: VL035080.D

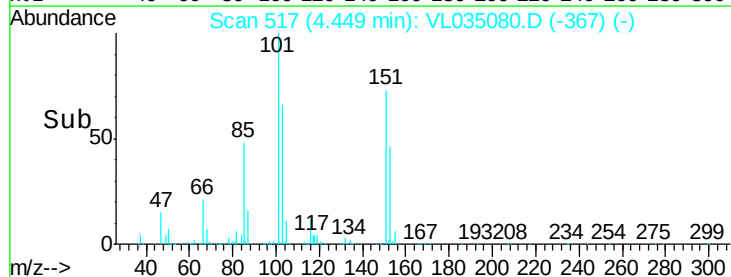
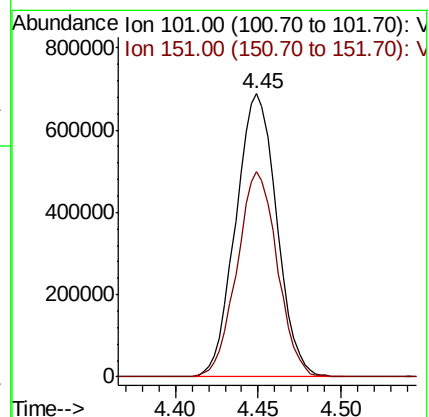
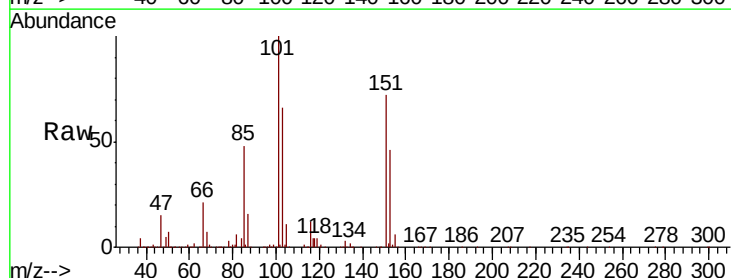
Acq: 22 May 2020 12:02

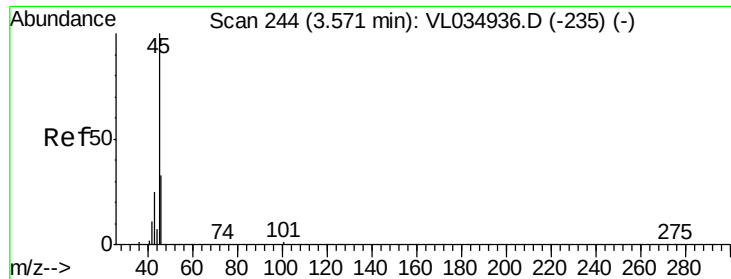
Tgt Ion:101 Resp: 1176408

Ion Ratio Lower Upper

101 100

151 71.9 57.6 86.4





#13

Ethanol

Concen: 9.286 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

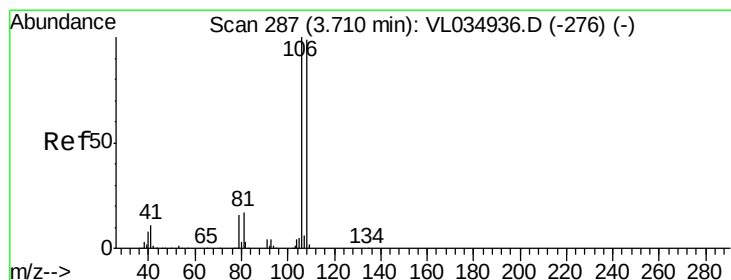
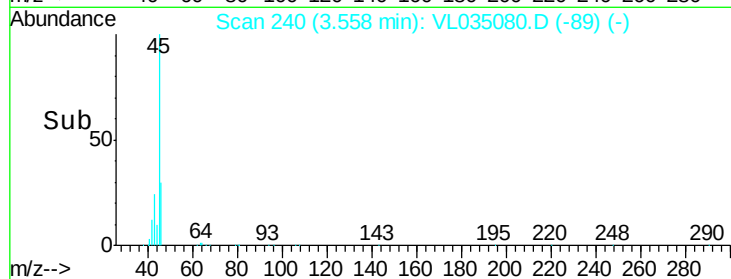
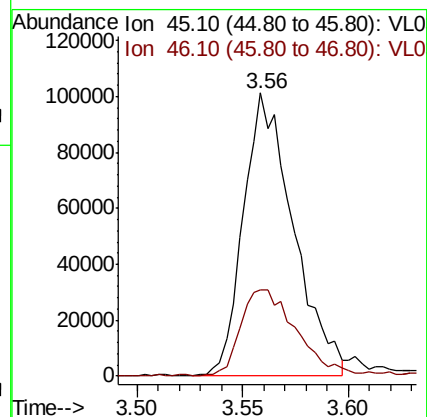
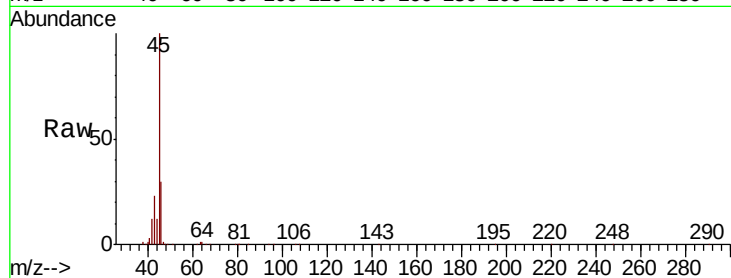
ClientSampled :

Tot Ion: 45 Resp: 166918

Ion Ratio Lower Upper

45 100

46 34.8 14.3 57.3



#14

Bromoethene

Concen: 11.019 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.01 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

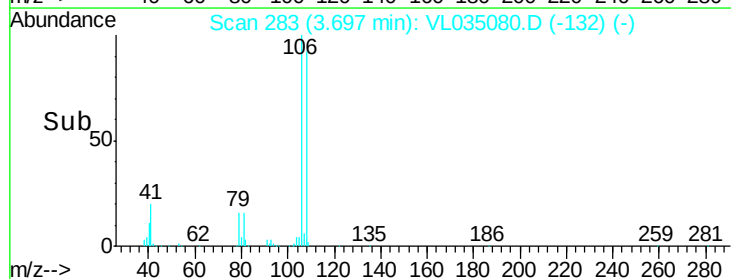
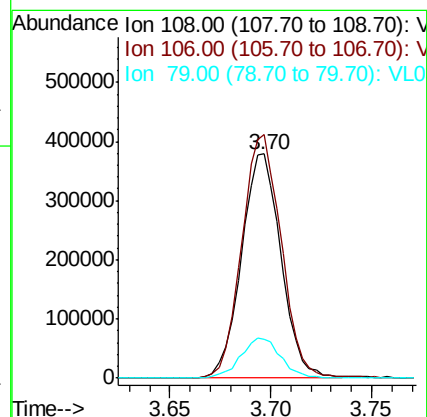
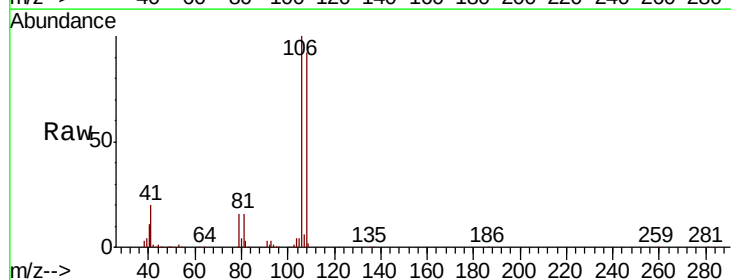
Tgt Ion: 108 Resp: 521723

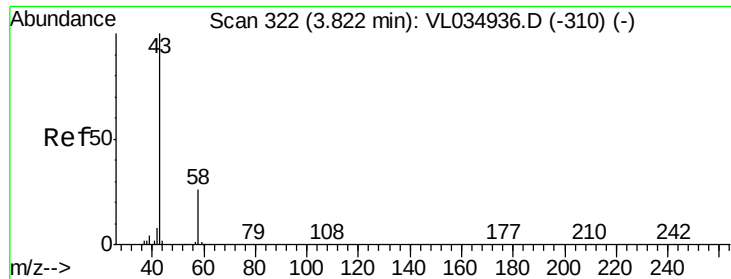
Ion Ratio Lower Upper

108 100

106 108.9 84.9 127.3

79 18.4 14.1 21.1





#15

Acetone

Concen: 9.285 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

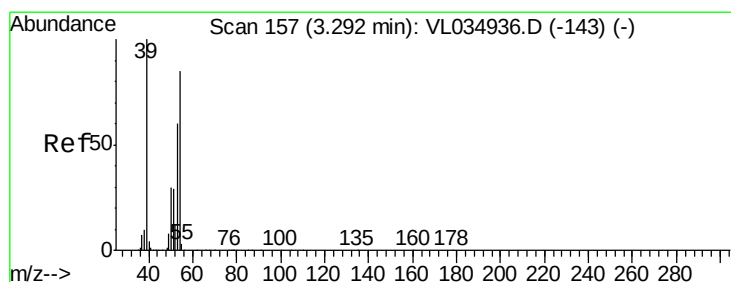
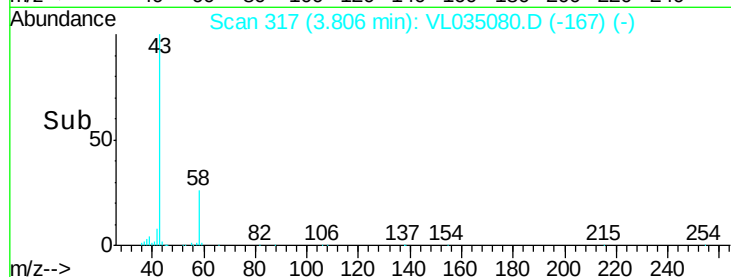
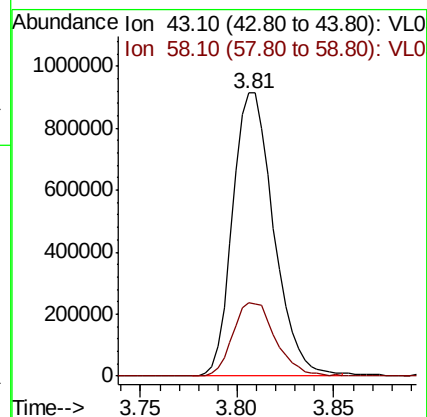
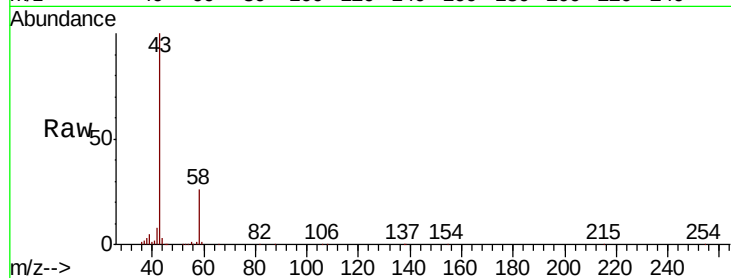
ClientSampleId :

Tot Ion: 43 Resp: 1349754

Ion Ratio Lower Upper

43 100

58 27.0 21.7 32.5



#16

1,3-Butadiene

Concen: 10.477 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035080.D

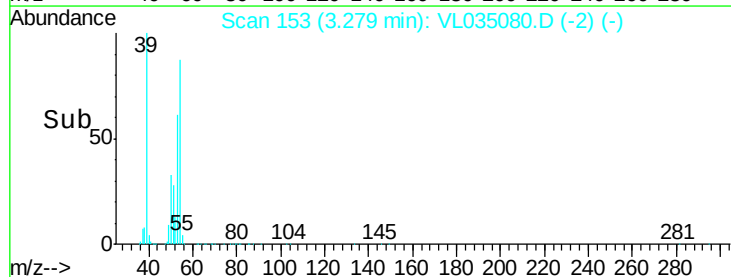
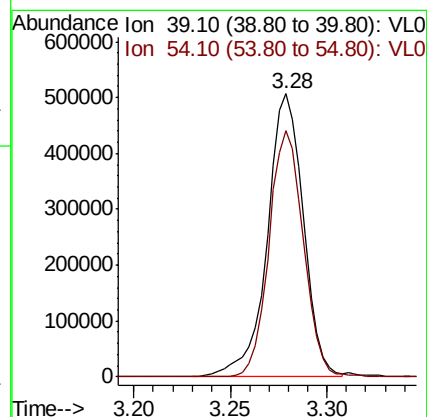
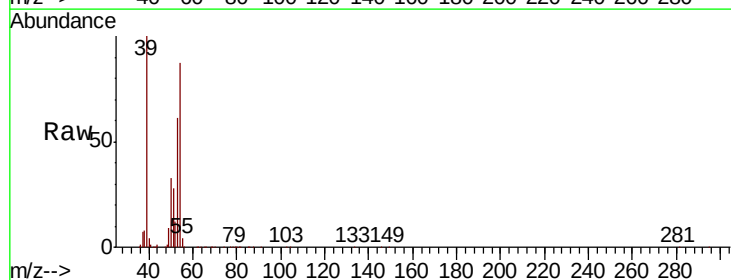
Acq: 22 May 2020 12:02

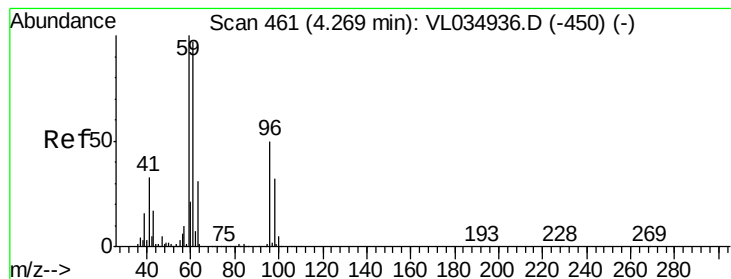
Tgt Ion: 39 Resp: 655439

Ion Ratio Lower Upper

39 100

54 83.0 66.6 100.0





#17

tert-Butyl alcohol

Concen: 9.900 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

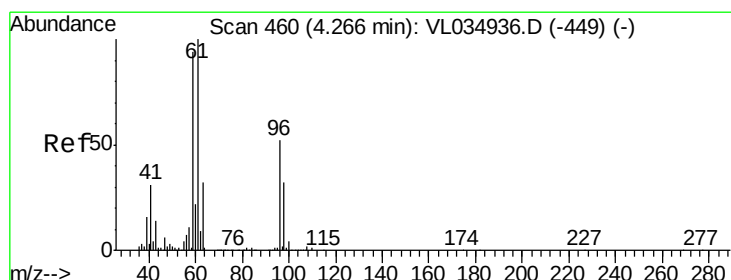
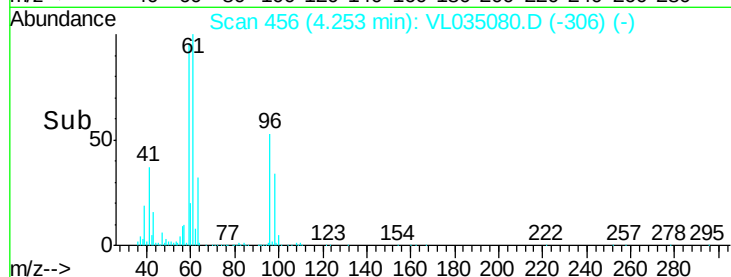
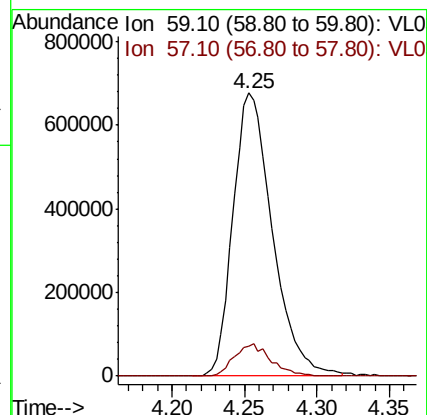
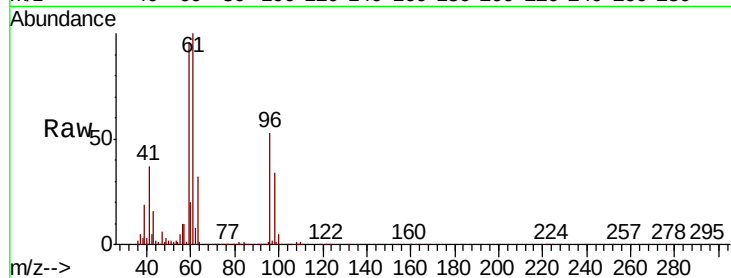
ClientSampleId :

Tot Ion: 59 Resp: 1280399

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



#18

1,1-Dichloroethene

Concen: 11.080 ppbv

RT: 4.25 min Scan# 455

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

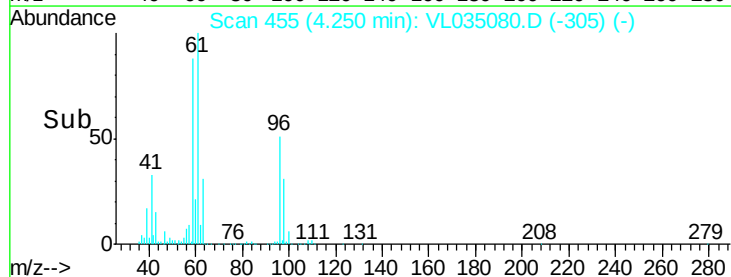
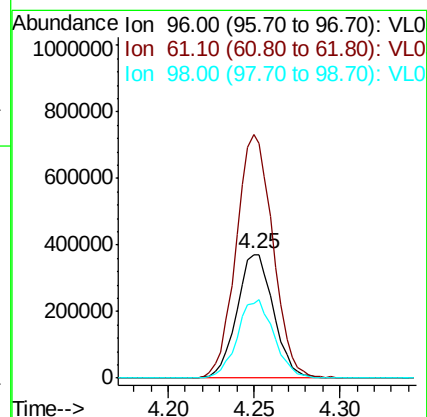
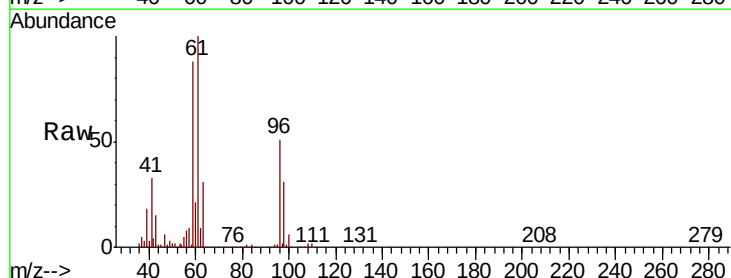
Tgt Ion: 96 Resp: 550756

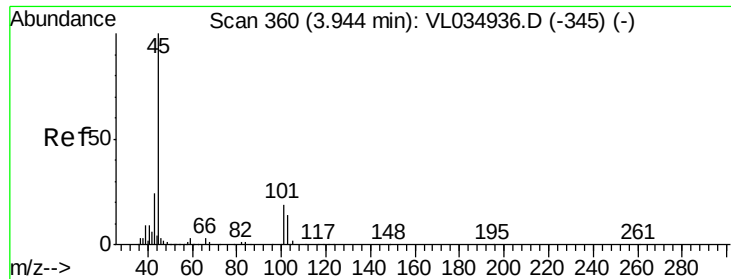
Ion Ratio Lower Upper

96 100

61 196.9 152.4 228.6

98 60.8 48.8 73.2





#19

Isopropyl Alcohol

Concen: 10.050 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

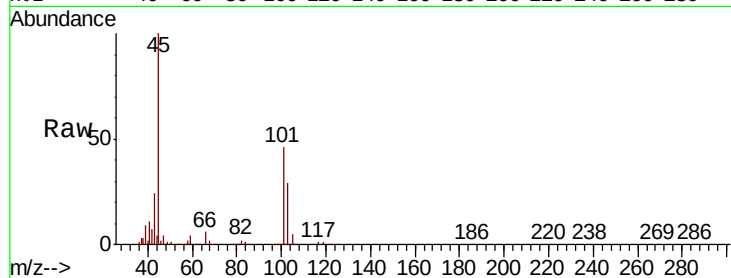
ClientSampleId :

Tot Ion: 45 Resp: 974306

Ion Ratio Lower Upper

45 100

58 2.8 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

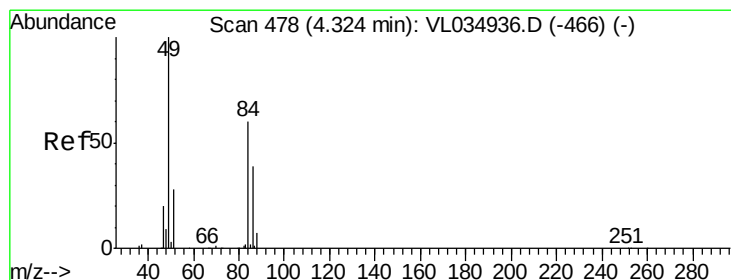
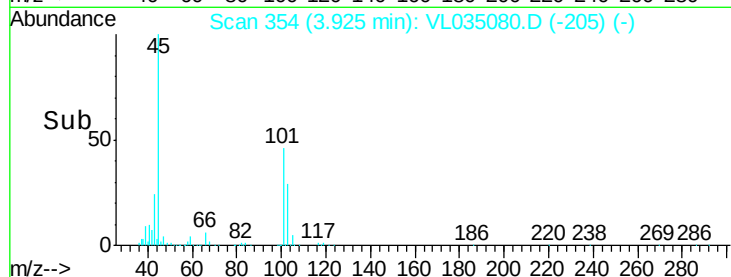
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 10.054 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Tgt Ion: 84 Resp: 483794

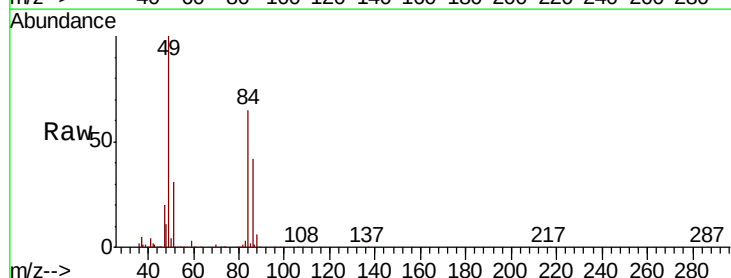
Ion Ratio Lower Upper

84 100

49 154.5 132.5 198.7

51 47.4 38.4 57.6

86 65.2 51.2 76.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

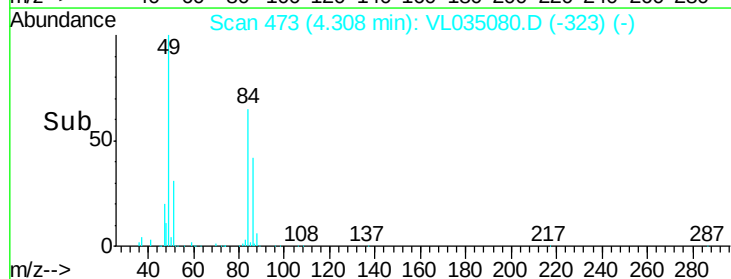
600000

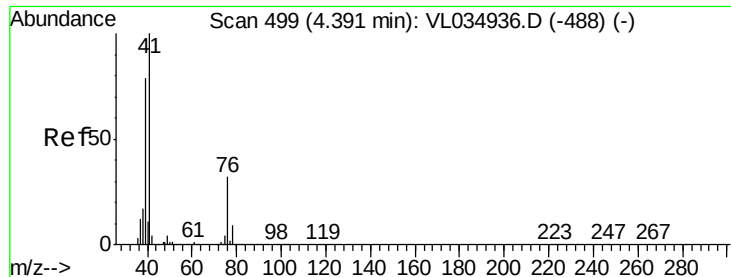
400000

200000

0

Time-->

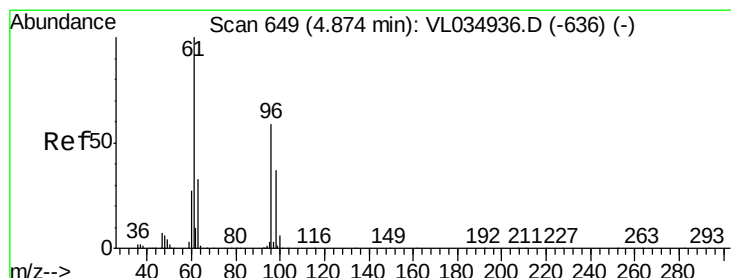
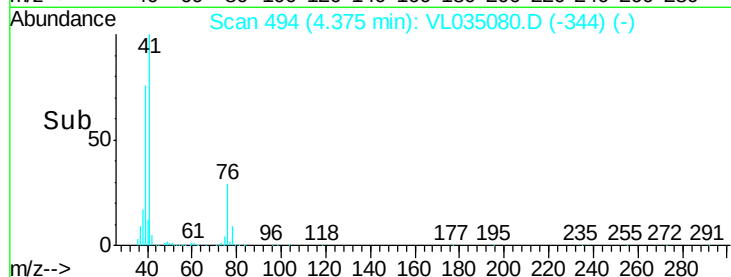
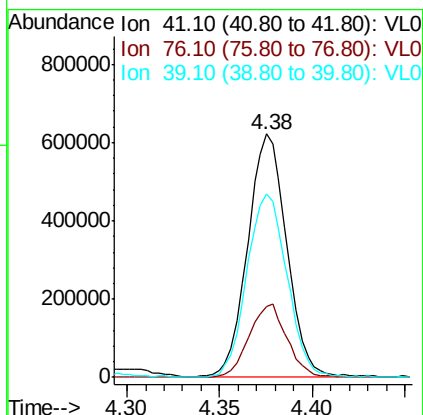
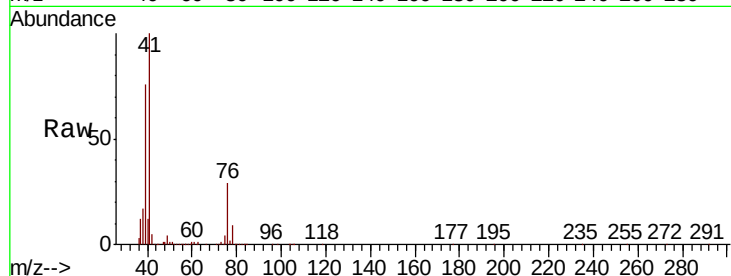




#21
Allvl Chloride
Concen: 10.955 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

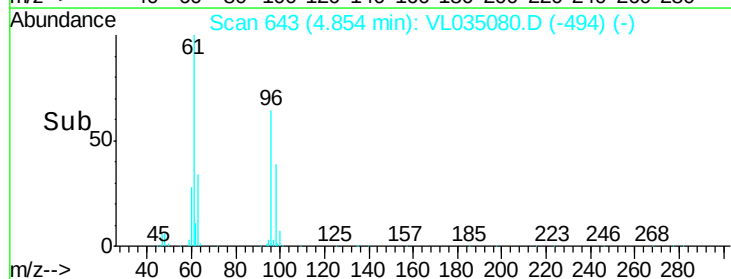
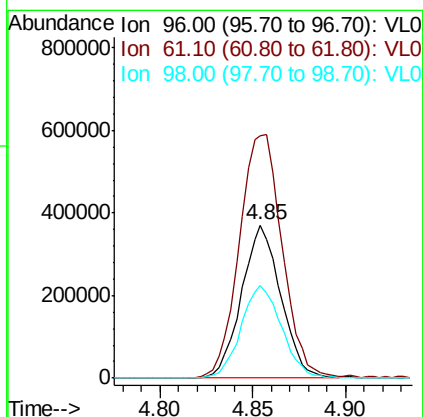
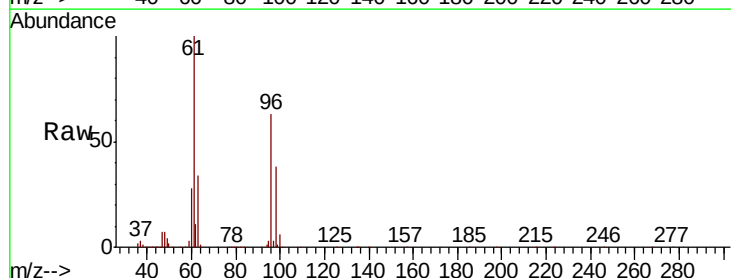
Instrument :
MSVOA_L
ClientSampleId :

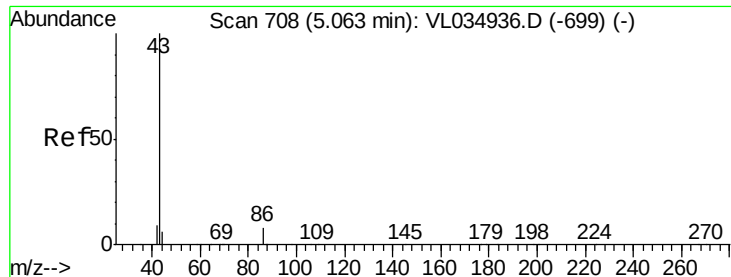
Tot Ion: 41 Resp: 899531
Ion Ratio Lower Upper
41 100
76 29.5 23.6 35.4
39 78.7 61.9 92.9



#22
trans-1,2-Dichloroethene
Concen: 11.063 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 96 Resp: 544726
Ion Ratio Lower Upper
96 100
61 158.1 135.3 202.9
98 60.7 50.4 75.6





#23

Vinyl Acetate

Concen: 10.678 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1968303

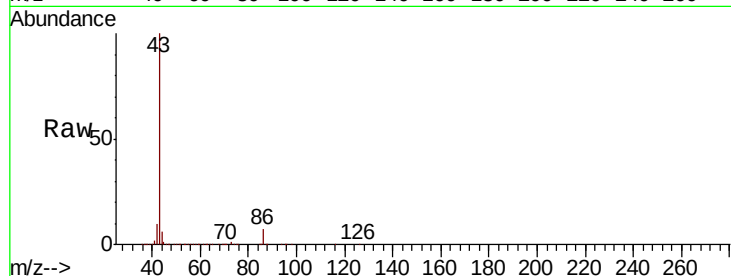
Ion Ratio Lower Upper

43 100

86 7.0 5.5 8.3

42 10.0 8.0 12.0

44 5.5 4.5 6.7

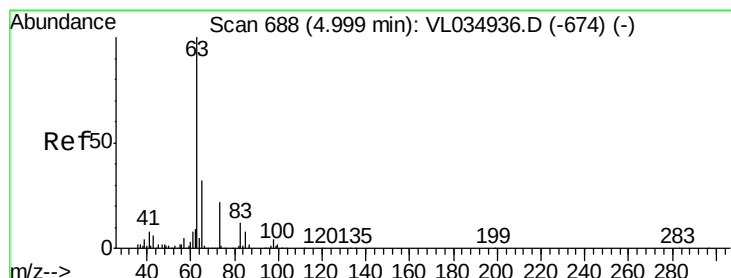
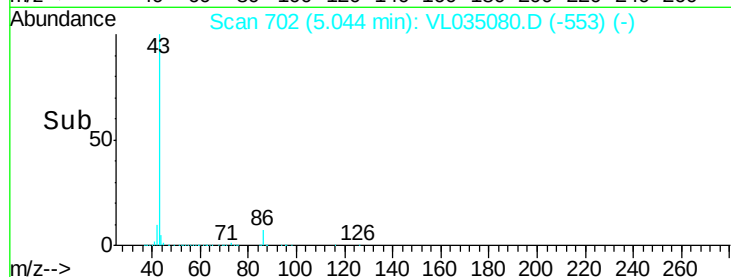
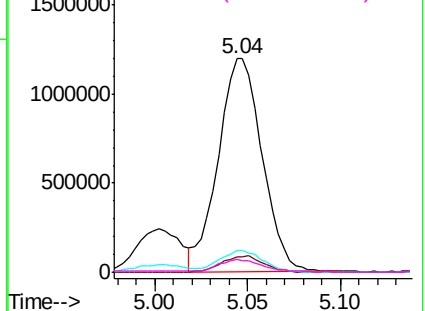


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.213 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

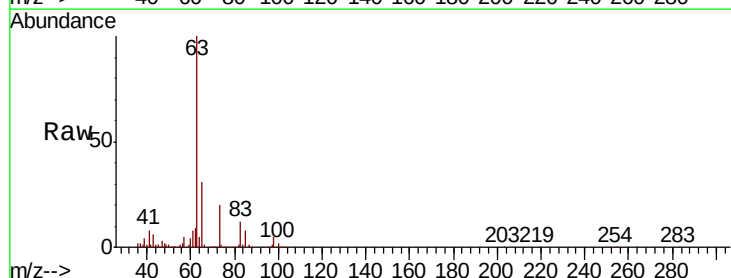
Tgt Ion: 63 Resp: 1450012

Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

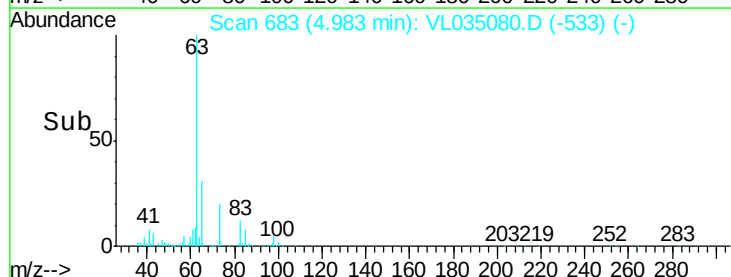
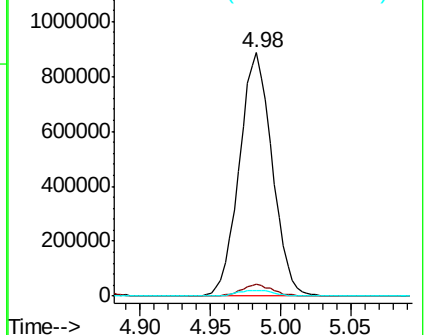
100 2.3 1.1 3.5

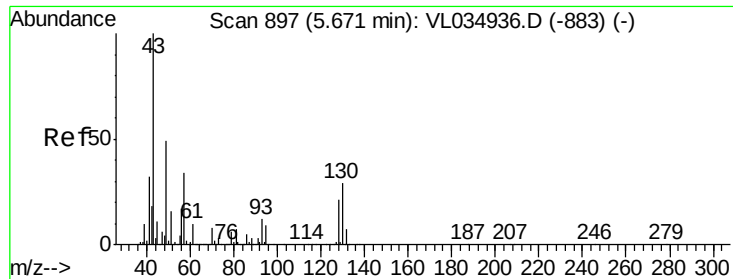


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



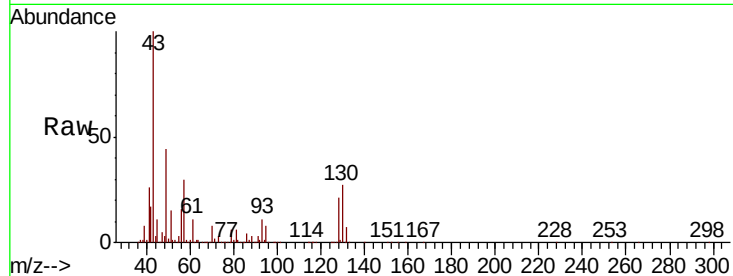


#25
Ethyl Acetate
Concen: 10.396 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2538422

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	10.1	7.8	11.8
70	7.6	6.0	9.0



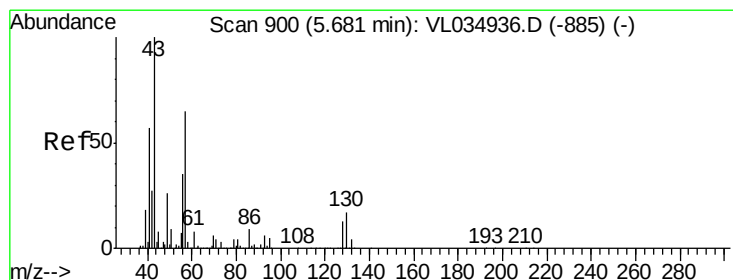
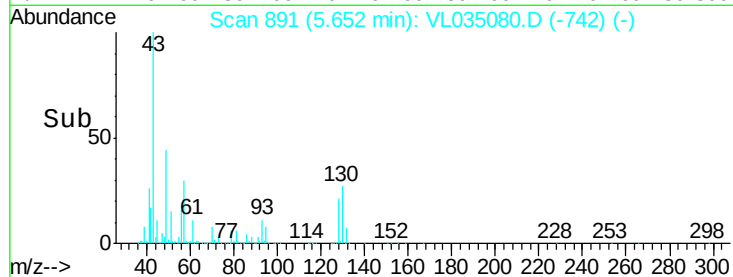
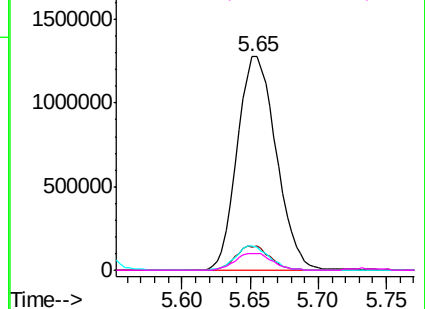
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

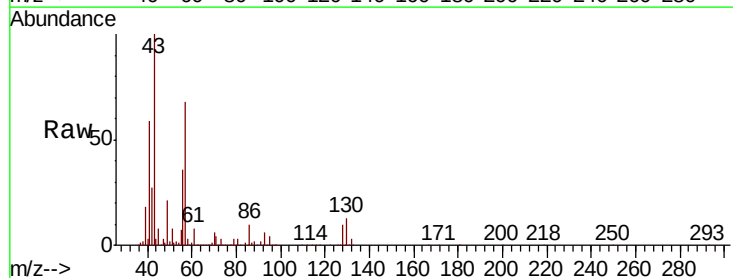
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.673 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 57 Resp: 1129853

Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.7	109.1
43	225.2	182.1	273.1
56	53.5	42.2	63.2



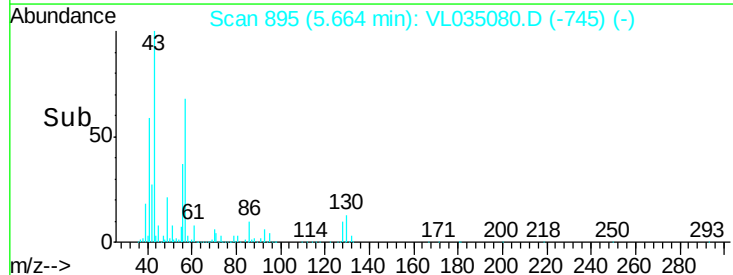
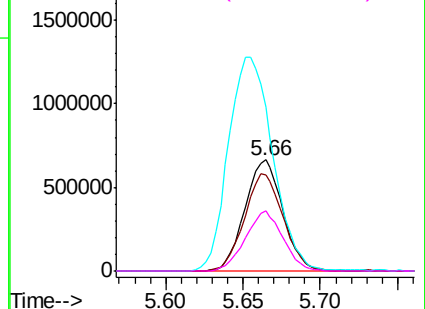
Abundance

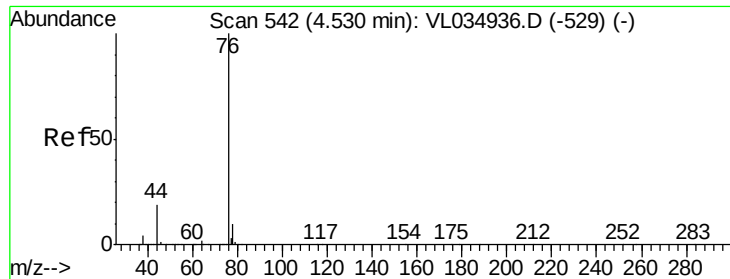
Ion 57.10 (56.80 to 57.80): VL0

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

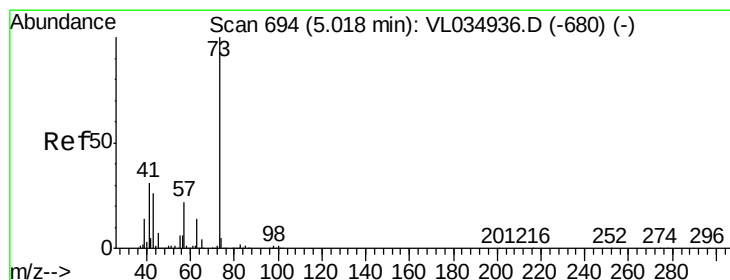
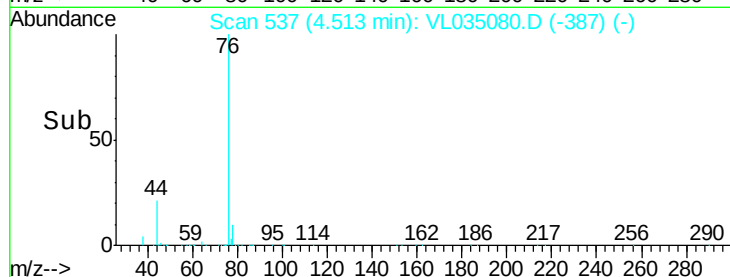
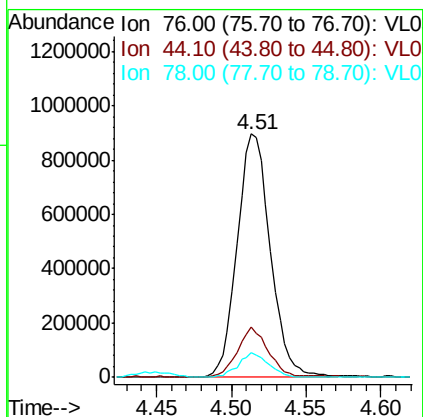
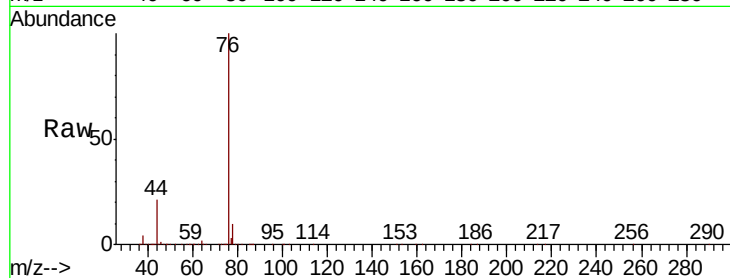




#27
Carbon Disulfide
Concen: 11.120 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

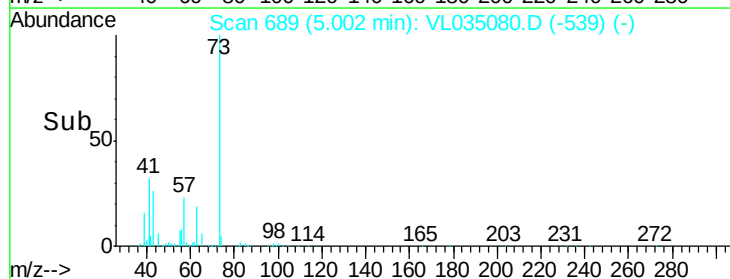
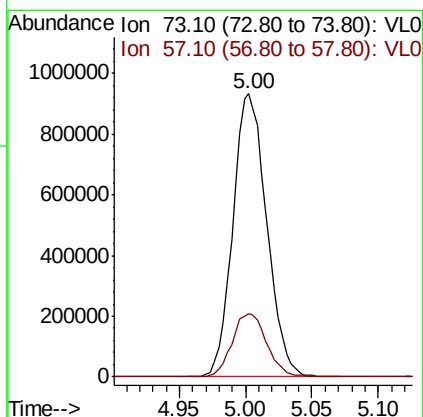
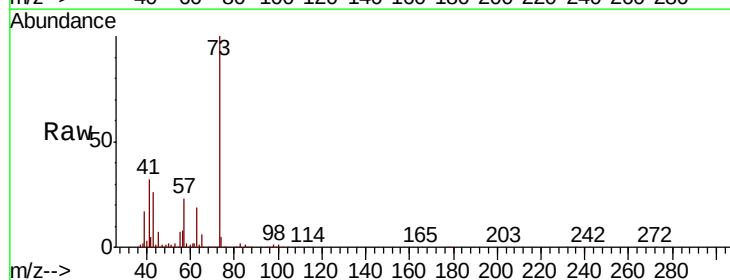
Instrument :
MSVOA_L
ClientSampled :

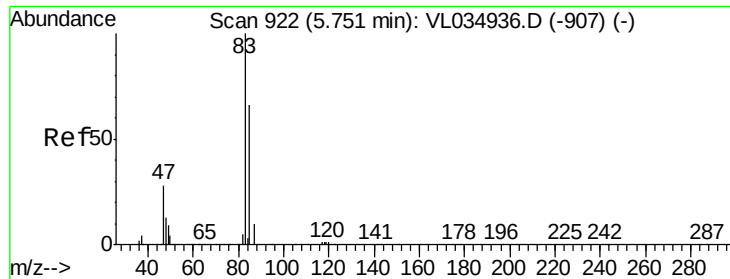
Tot Ion: 76 Resp: 1387376
Ion Ratio Lower Upper
76 100
44 19.2 15.2 22.8
78 9.2 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.234 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 73 Resp: 1649856
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

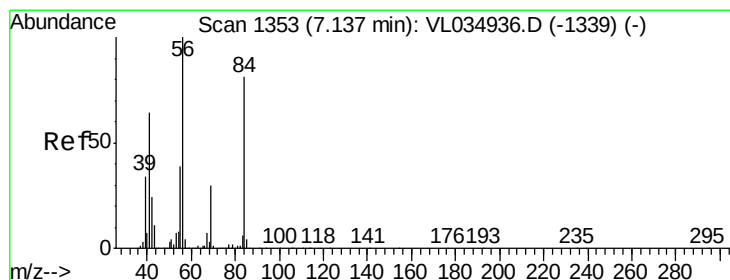
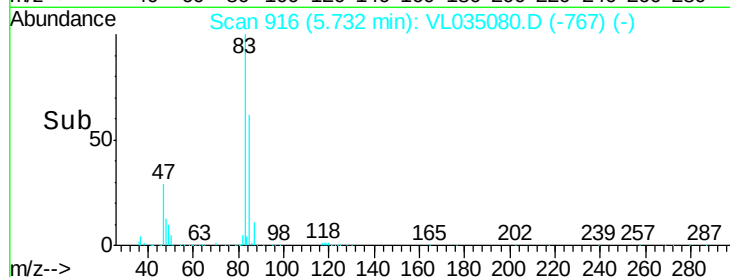
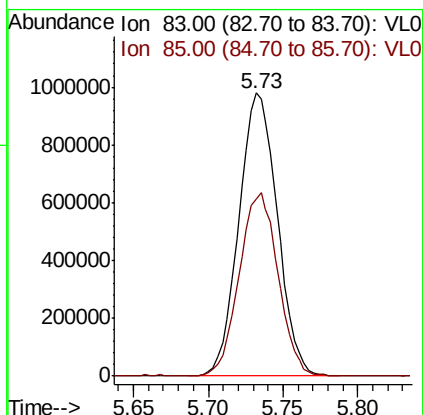
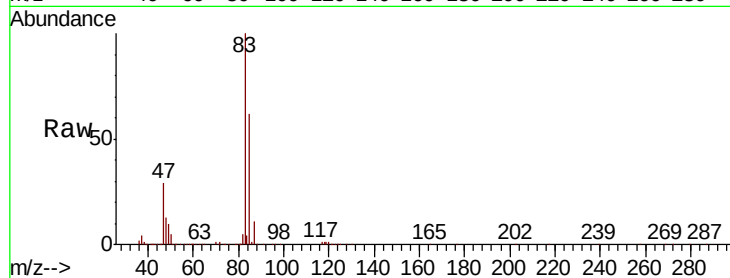




#29
Chloroform
Concen: 10.139 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

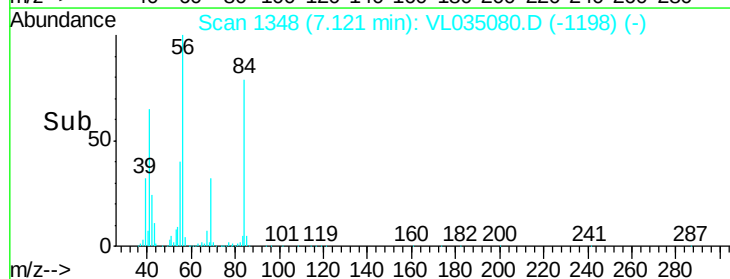
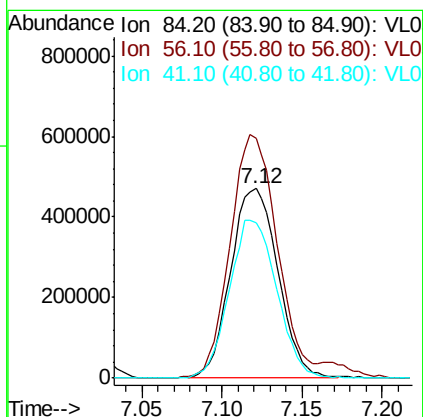
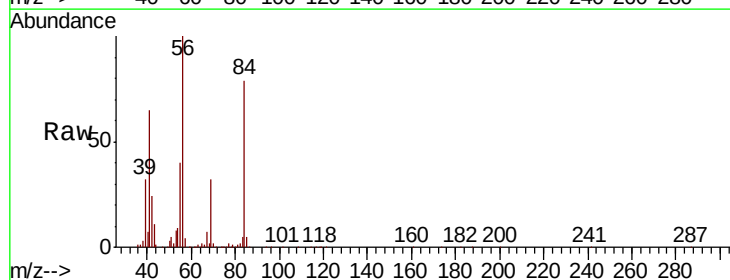
Instrument :
MSVOA_L
ClientSampleId :

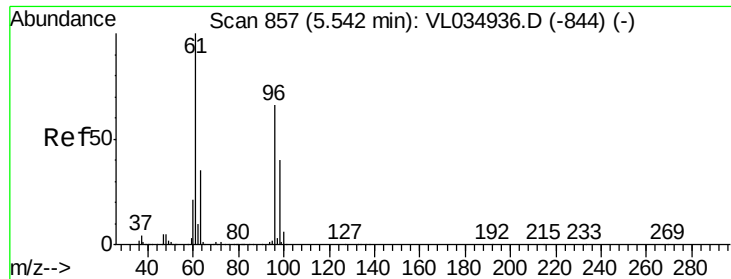
Tot Ion: 83 Resp: 1756072
Ion Ratio Lower Upper
83 100
85 62.4 53.0 79.6



#30
Cyclohexane
Concen: 11.548 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 84 Resp: 943390
Ion Ratio Lower Upper
84 100
56 134.7 111.4 167.2
41 84.4 66.7 100.1



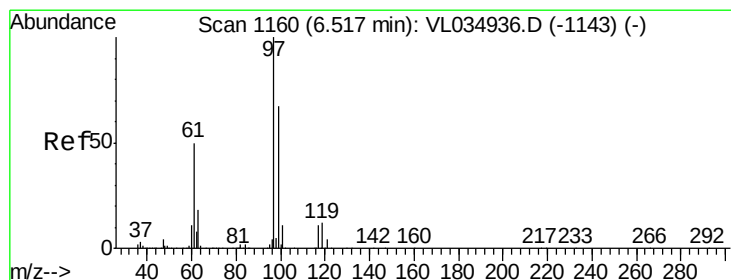
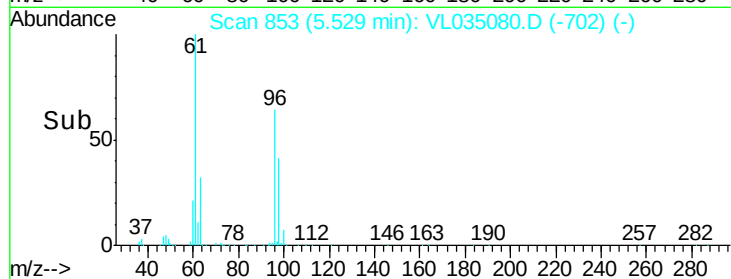
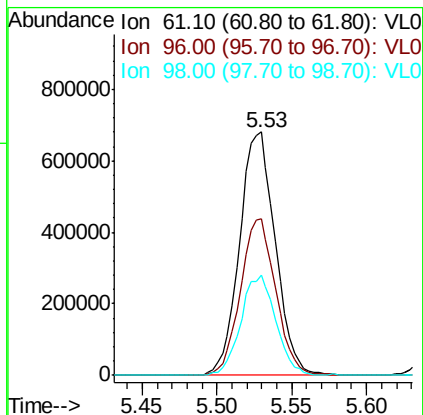
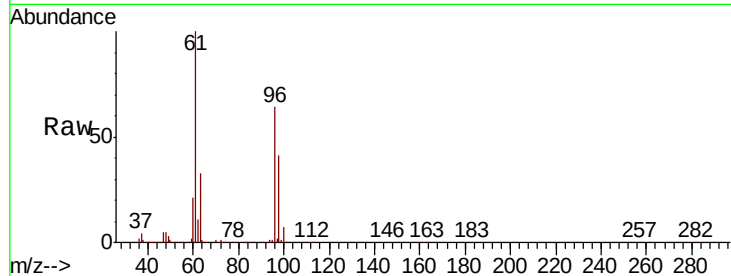


#31

cis-1,2-Dichloroethene
 Concen: 10.963 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

Instrument :
 MSVOA_L
 ClientSampleId :

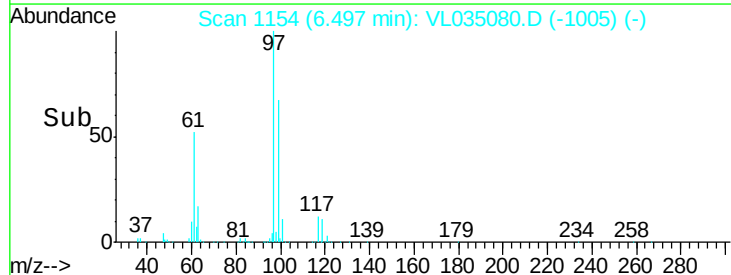
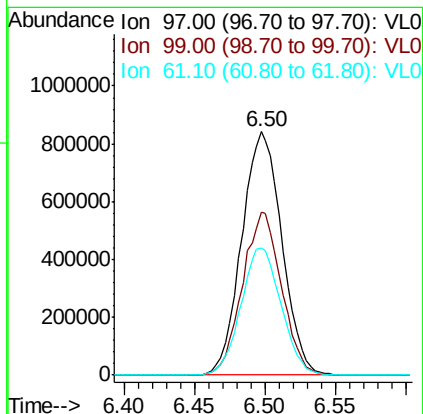
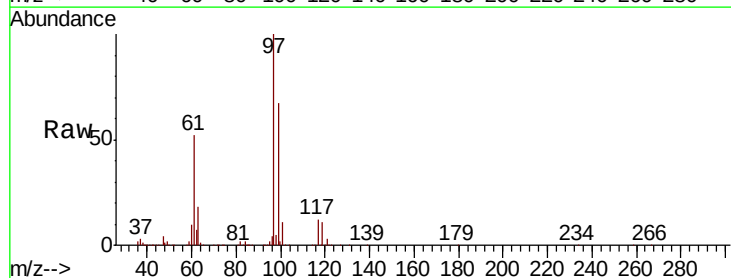
Tot Ion: 61 Resp: 1132285
 Ion Ratio Lower Upper
 61 100
 96 64.3 53.0 79.6
 98 41.2 32.2 48.2

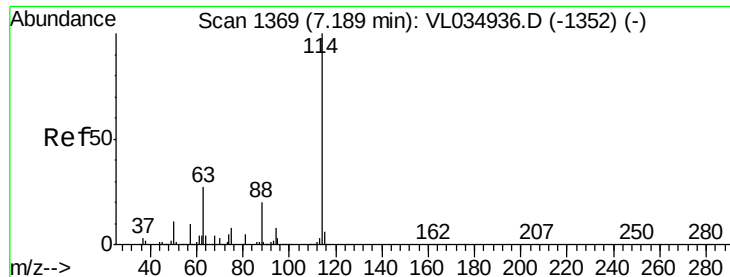


#32

1,1,1-Trichloroethane
 Concen: 10.725 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

Tgt Ion: 97 Resp: 1677571
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 52.5 41.8 62.8

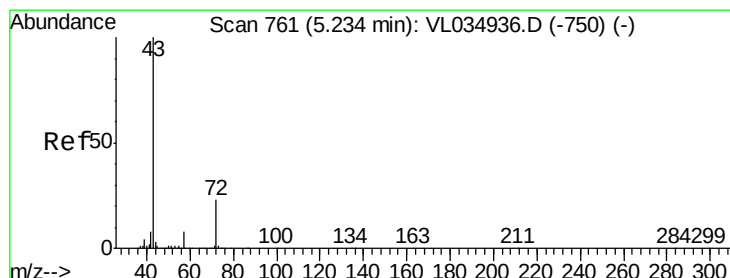
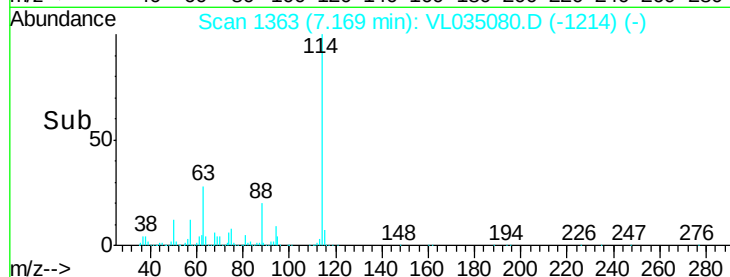
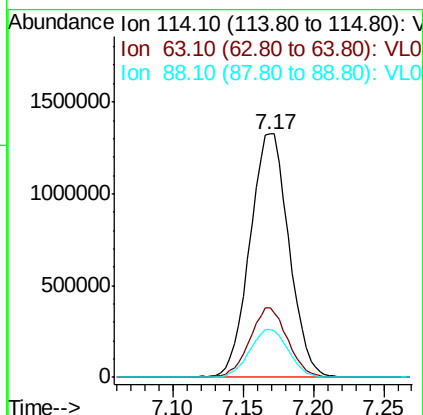
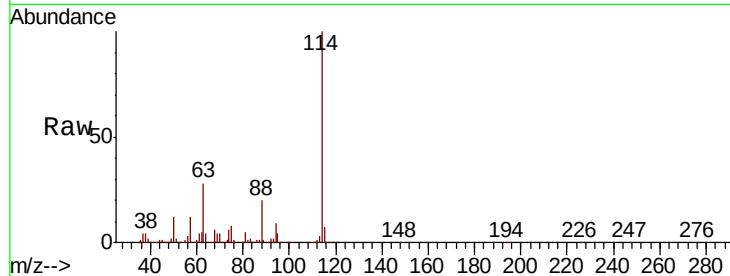




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

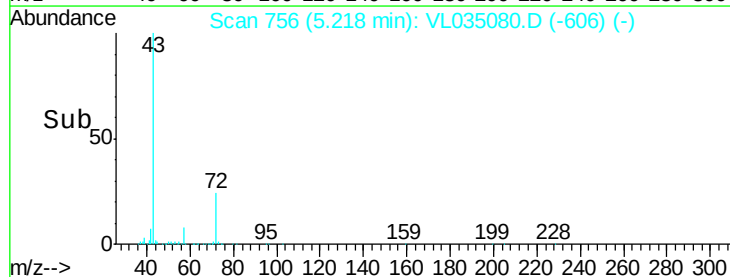
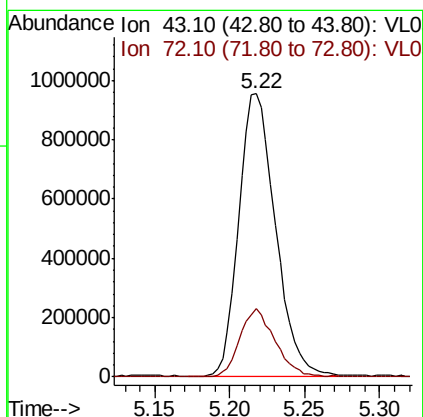
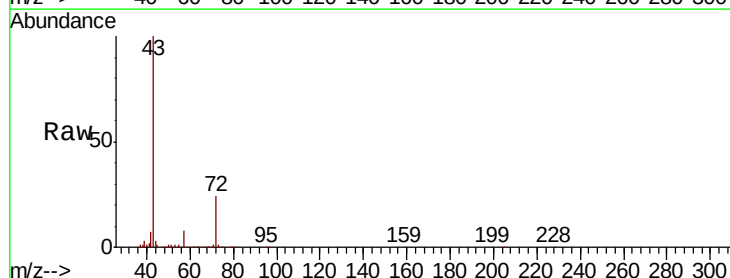
Instrument :
 MSVOA_L
 ClientSampleId :

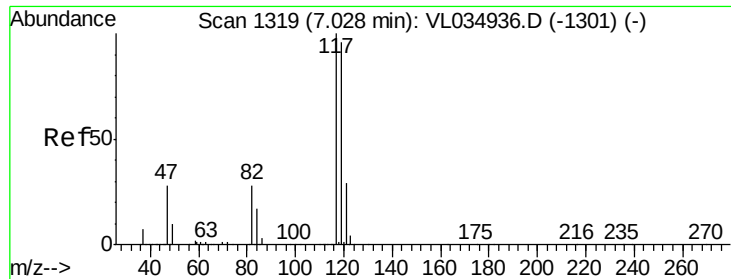
Tot Ion:114 Resp: 2566963
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.2 33.4
 88 19.6 15.5 23.3



#34
 2-Butanone
 Concen: 10.224 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

Tgt Ion: 43 Resp: 1631149
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.0 27.0





#35

Carbon Tetrachloride

Concen: 10.728 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampled :

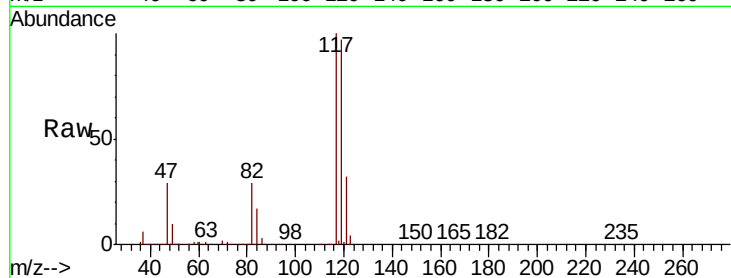
Tot Ion:117 Resp: 1738200

Ion Ratio Lower Upper

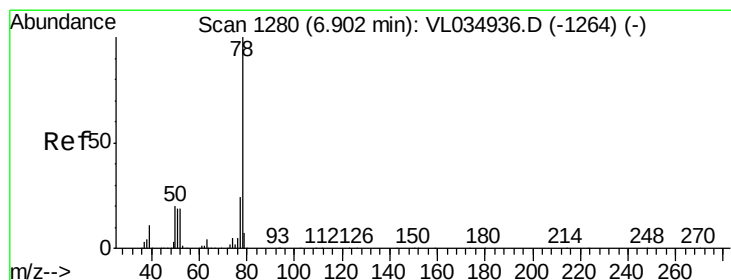
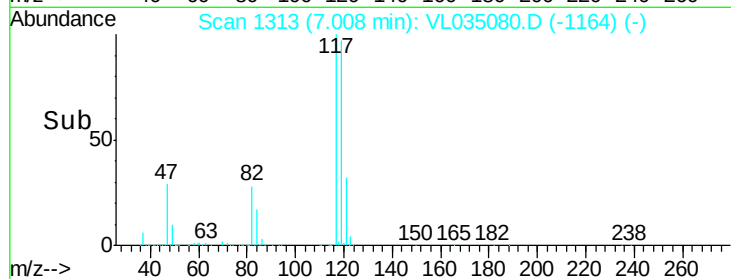
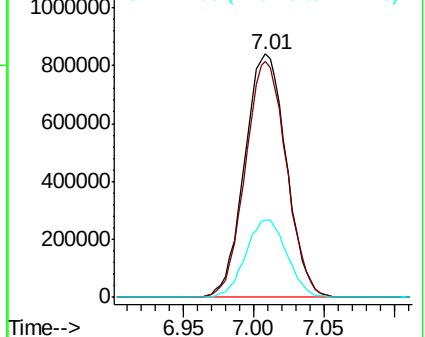
117 100

119 96.9 77.0 115.6

121 31.8 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.593 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

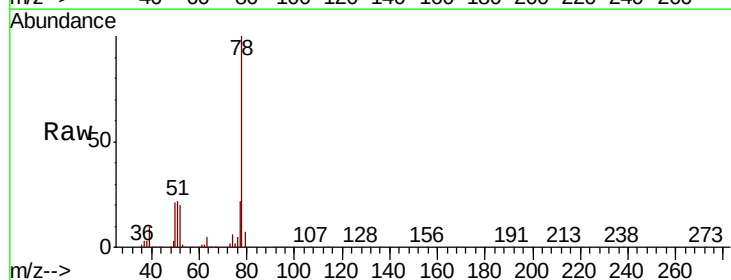
Tgt Ion: 78 Resp: 2241812

Ion Ratio Lower Upper

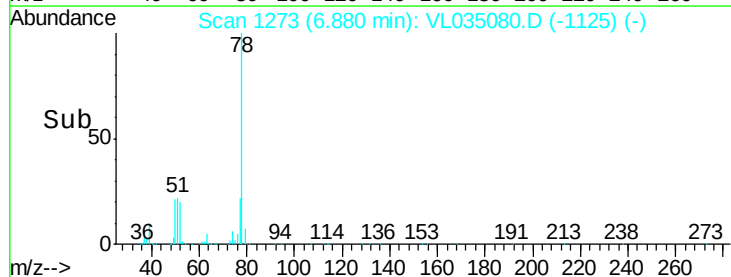
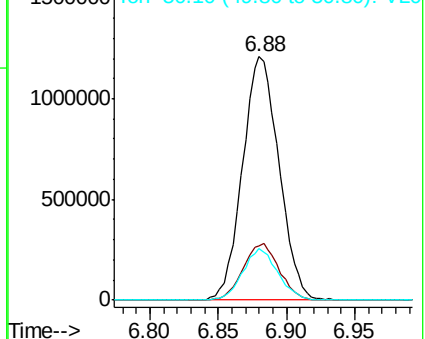
78 100

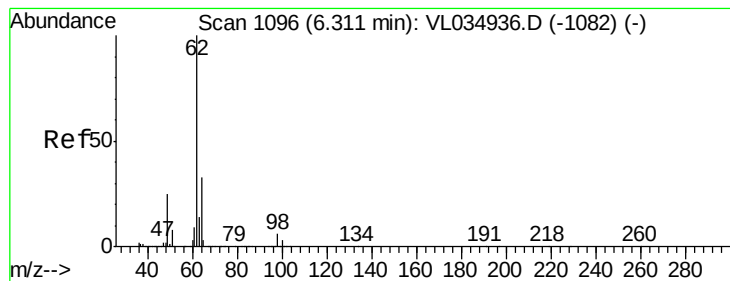
77 22.2 19.0 28.6

50 21.0 15.8 23.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.482 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

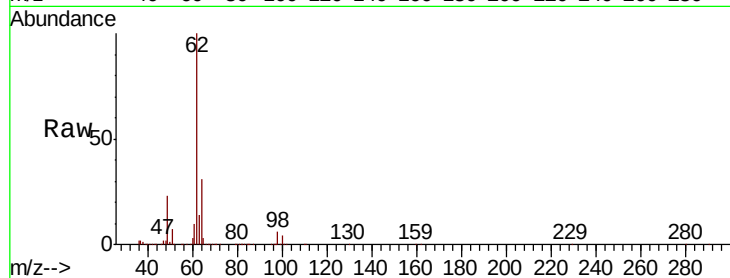
ClientSampleId :

Tot Ion: 62 Resp: 1368480

Ion Ratio Lower Upper

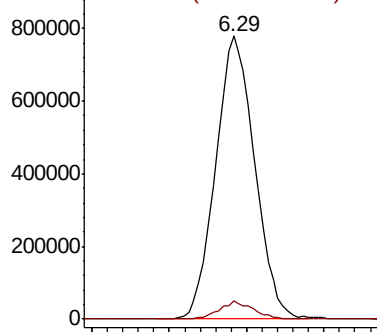
62 100

98 5.8 4.8 7.2

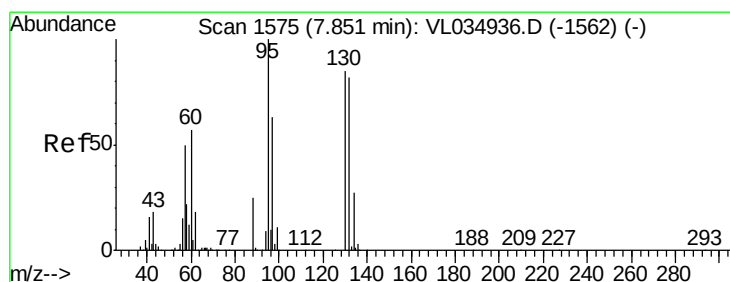
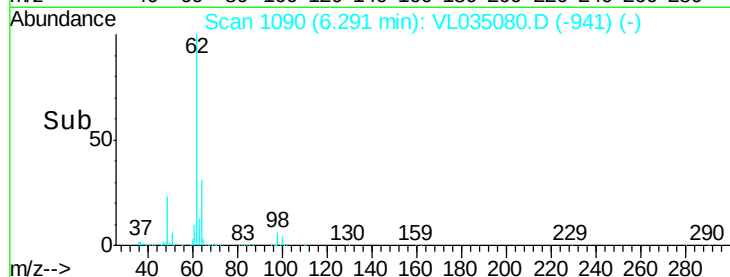


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 10.567 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Tgt Ion:130 Resp: 866384

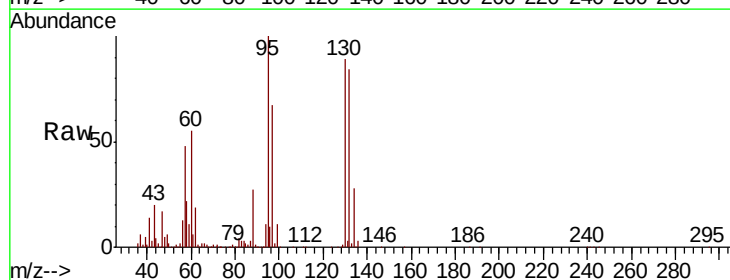
Ion Ratio Lower Upper

130 100

95 113.0 93.4 140.0

132 95.2 76.4 114.6

97 75.7 58.5 87.7

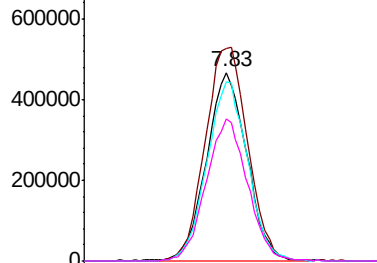


Abundance Ion 130.00 (129.70 to 130.70): V

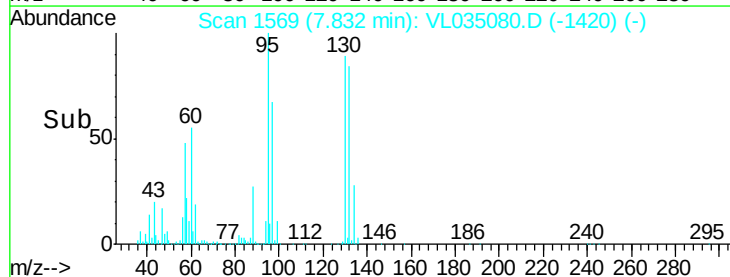
Ion 95.00 (94.70 to 95.70): VL0

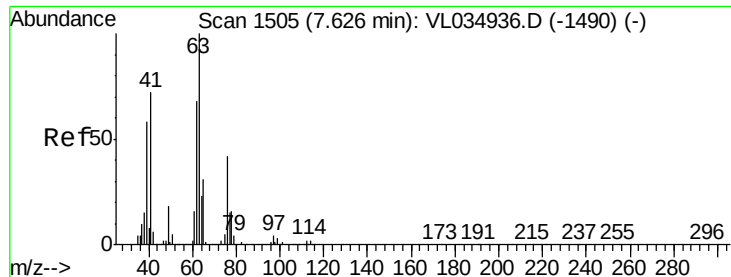
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->





#39

1,2-Dichloropropane

Concen: 10.484 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

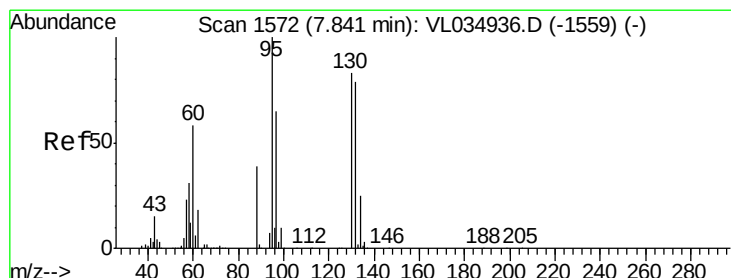
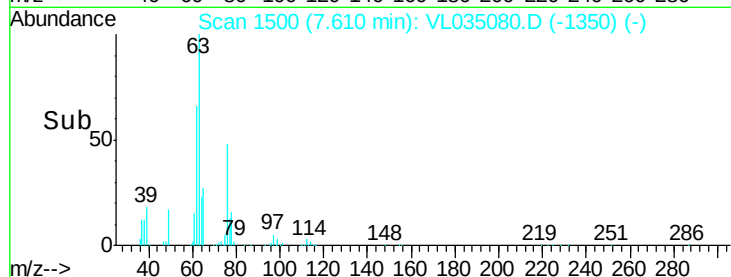
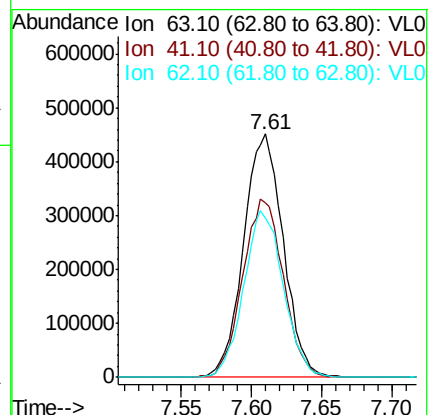
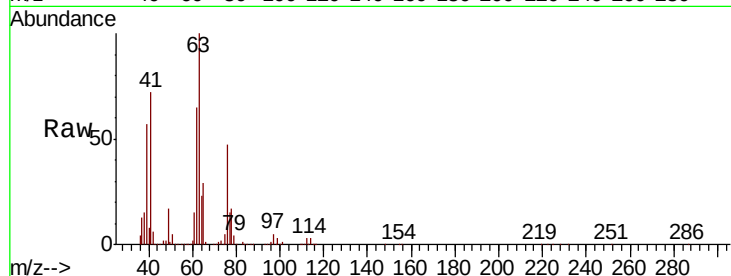
Tot Ion: 63 Resp: 889501

Ion Ratio Lower Upper

63 100

41 71.7 57.8 86.8

62 65.5 54.2 81.2



#40

1,4-Dioxane

Concen: 10.127 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Tgt Ion: 88 Resp: 349219

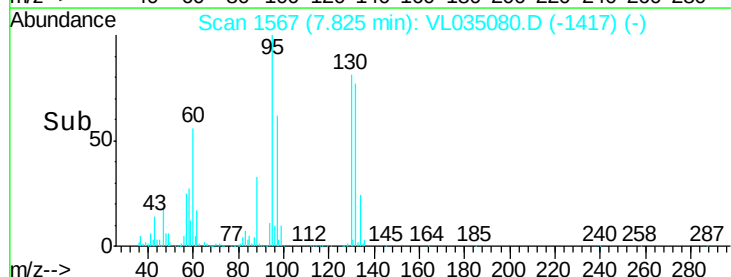
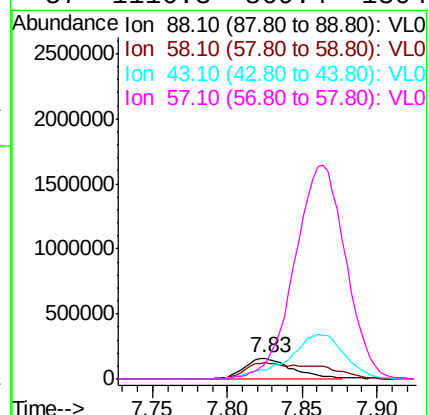
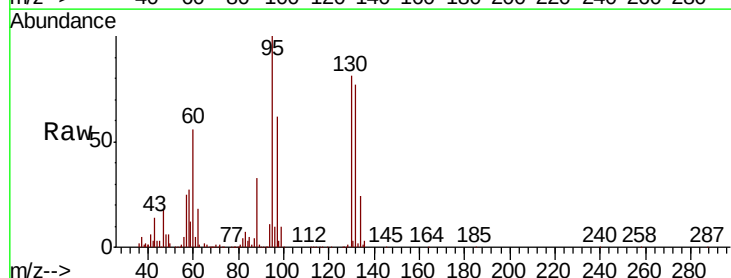
Ion Ratio Lower Upper

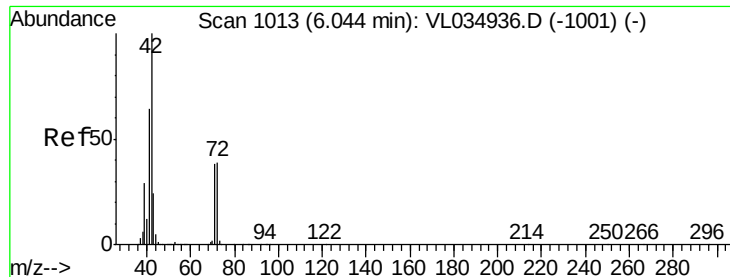
88 100

58 131.1 105.1 157.7

43 257.0 202.6 303.8

57 1116.3 869.4 1304.0

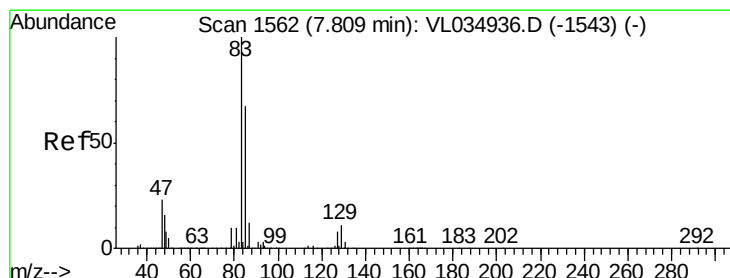
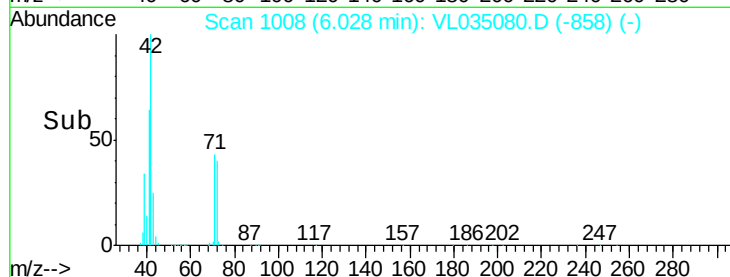
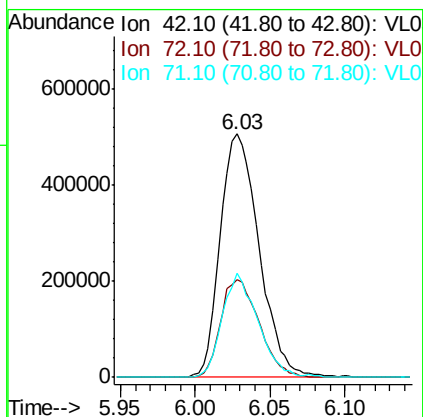
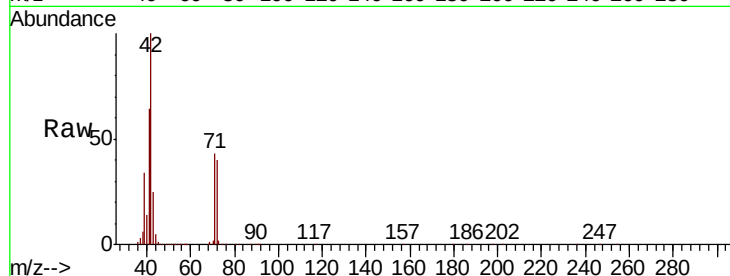




#41
Tetrahydrofuran
Concen: 10.822 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

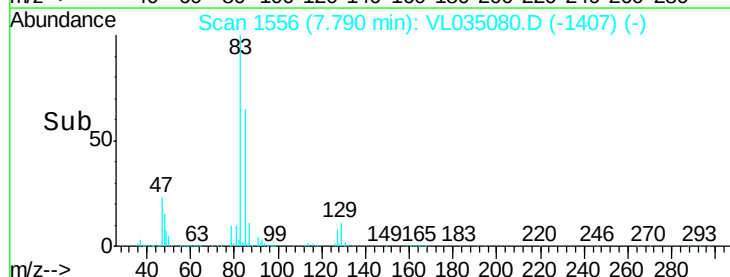
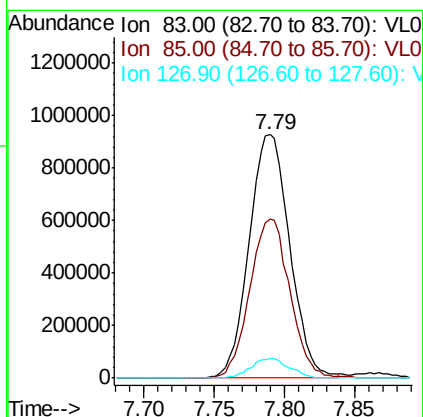
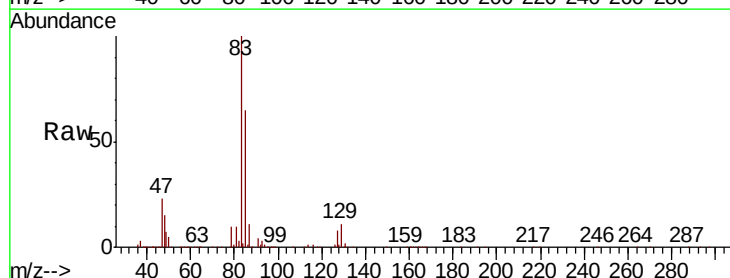
Instrument :
MSVOA_L
ClientSampleId :

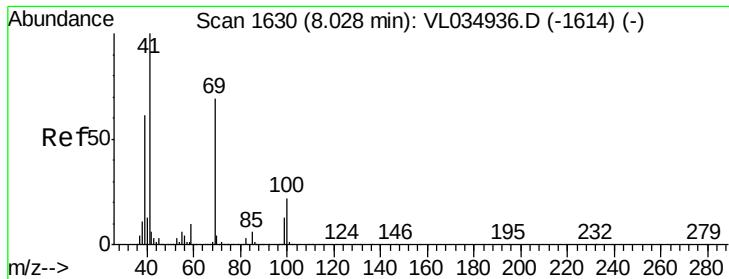
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.0
71	39.8	29.8	44.8



#42
Bromodichloromethane
Concen: 10.618 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0
127	7.8	6.1	9.1

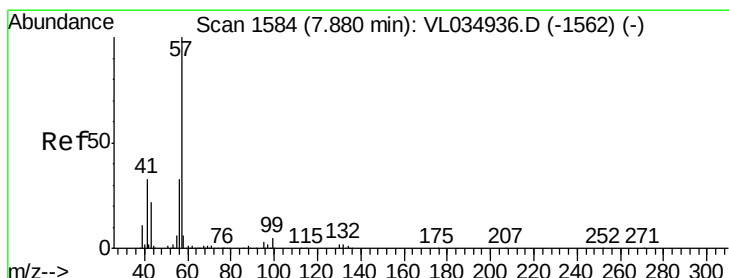
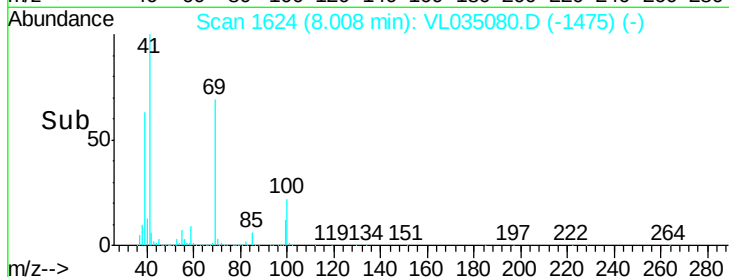
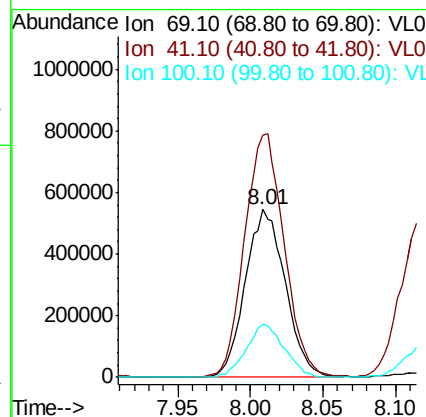
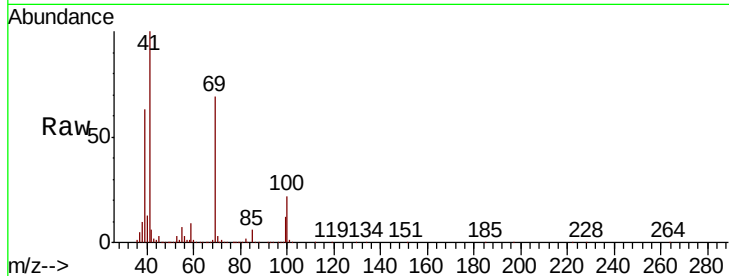




#43
Methyl Methacrylate
Concen: 11.665 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

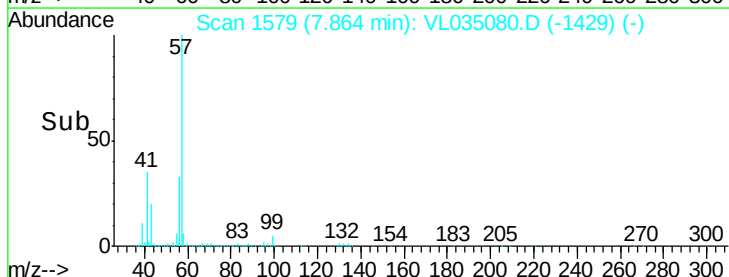
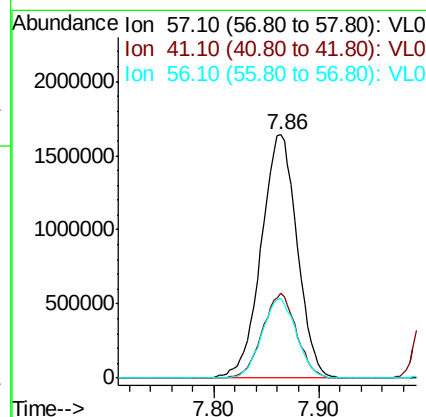
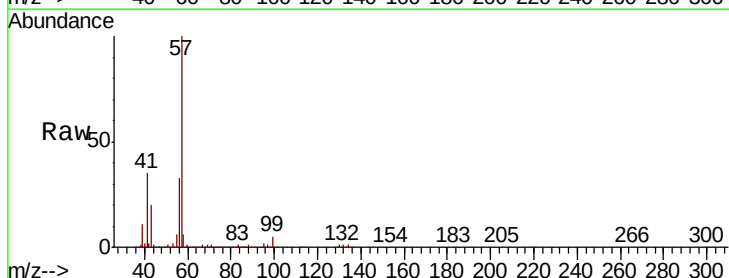
Instrument :
MSVOA_L
ClientSampled :

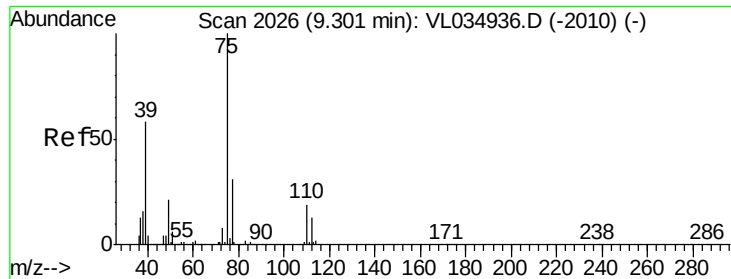
Tot Ion: 69 Resp: 1042415
Ion Ratio Lower Upper
69 100
41 144.1 119.8 179.6
100 30.5 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 10.348 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 57 Resp: 3893628
Ion Ratio Lower Upper
57 100
41 33.1 26.4 39.6
56 31.5 25.5 38.3

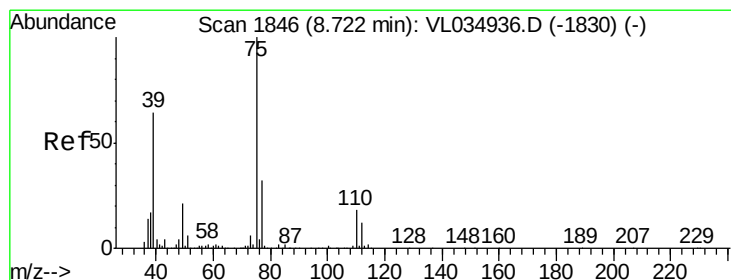
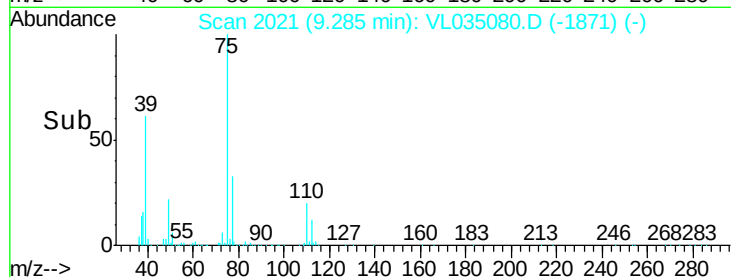
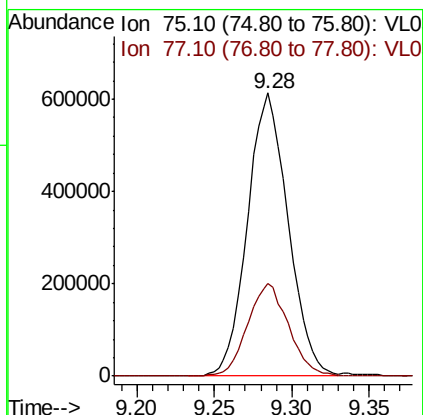
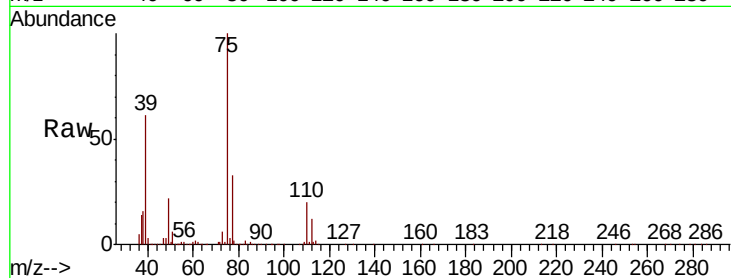




#45
t-1,3-Dichloropropene
Concen: 12.472 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

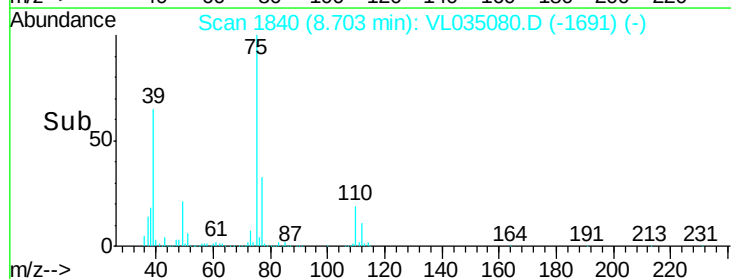
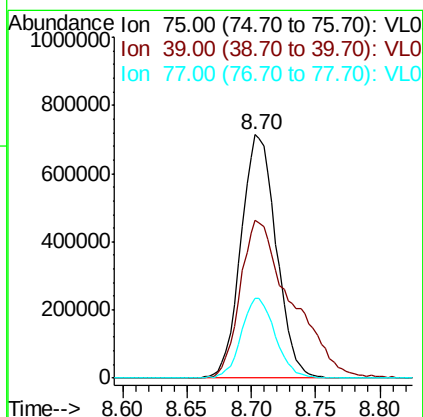
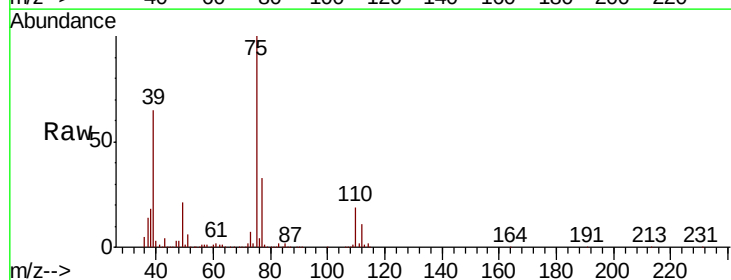
Instrument :
MSVOA_L
ClientSampleId :

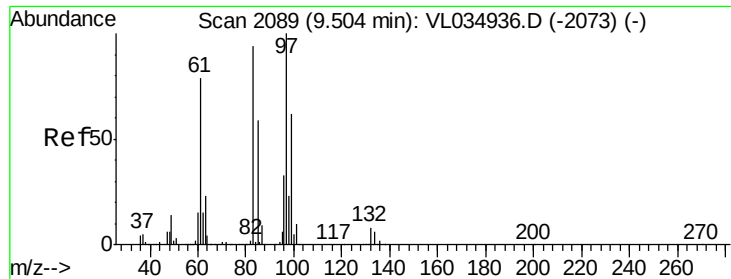
Tot Ion: 75 Resp: 1124821
Ion Ratio Lower Upper
75 100
77 32.6 24.9 37.3



#46
cis-1,3-Dichloropropene
Concen: 12.297 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 75 Resp: 1361557
Ion Ratio Lower Upper
75 100
39 65.0 51.5 77.3
77 32.9 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 10.473 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 97 Resp: 937639

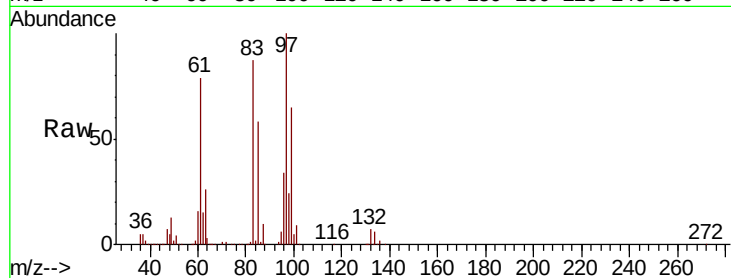
Ion Ratio Lower Upper

97 100

83 86.5 75.6 113.4

85 57.4 47.0 70.6

99 65.0 49.4 74.2

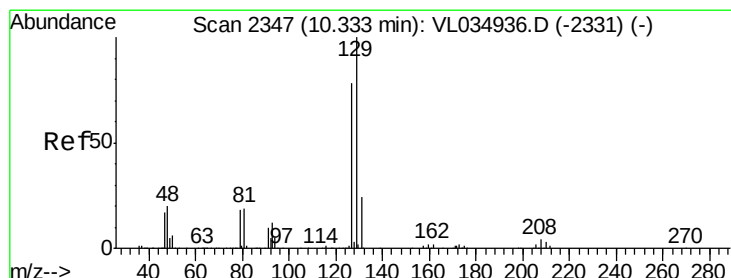
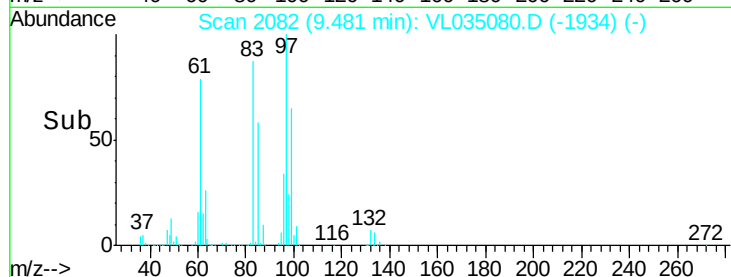
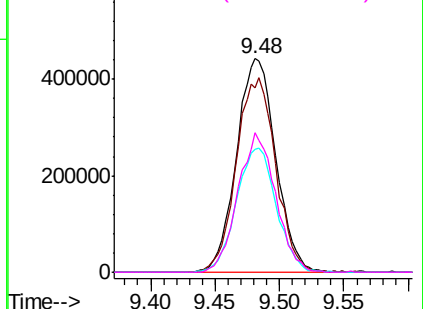


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.133 ppbv

RT: 10.31 min Scan# 2341

Delta R.T. -0.02 min

Lab File: VL035080.D

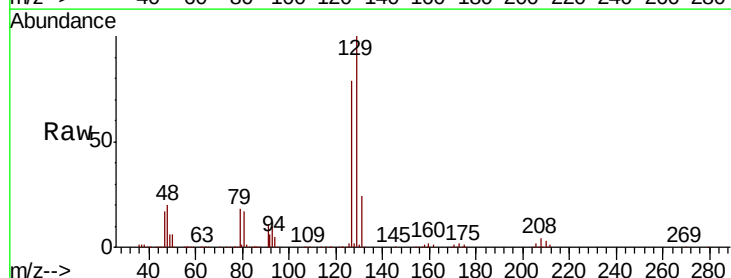
Acq: 22 May 2020 12:02

Tgt Ion: 129 Resp: 1532747

Ion Ratio Lower Upper

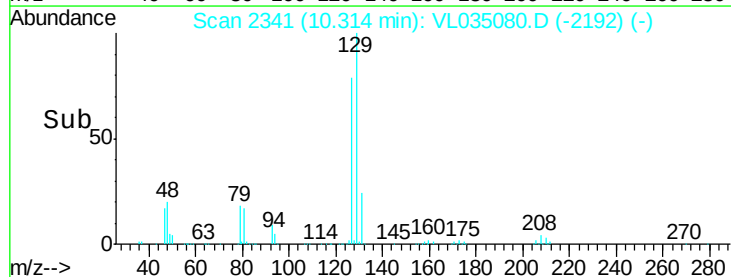
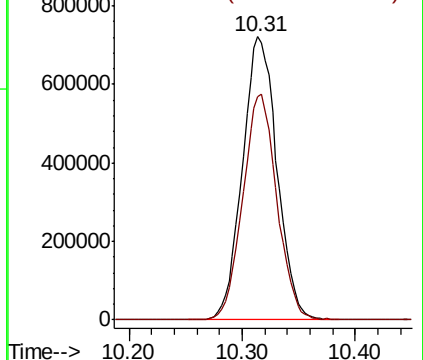
129 100

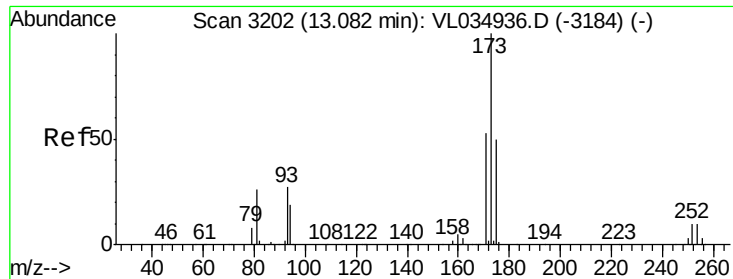
127 78.6 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.297 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

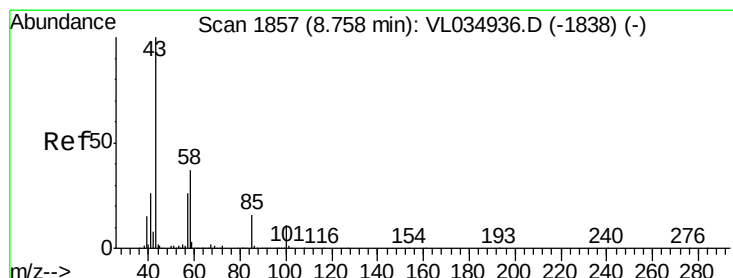
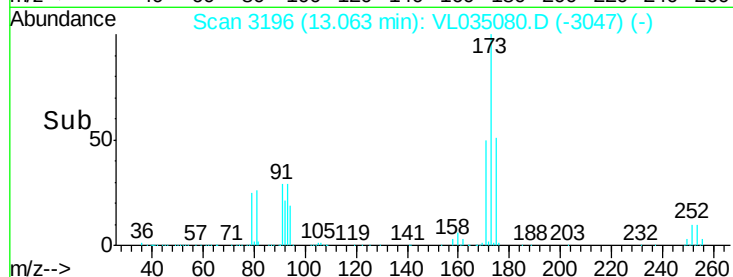
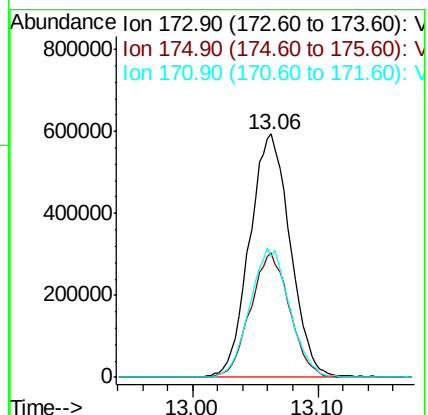
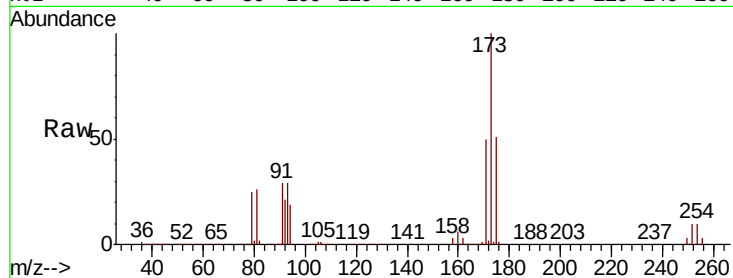
Tot Ion:173 Resp: 1338340

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

171 51.9 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 10.899 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.02 min

Lab File: VL035080.D

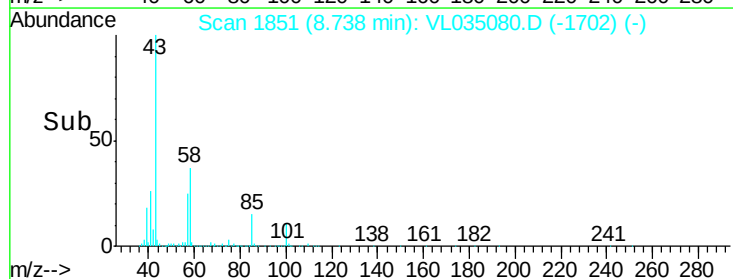
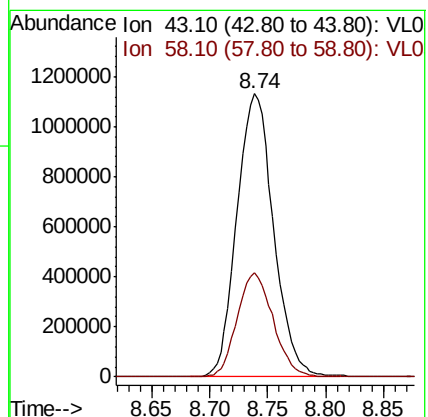
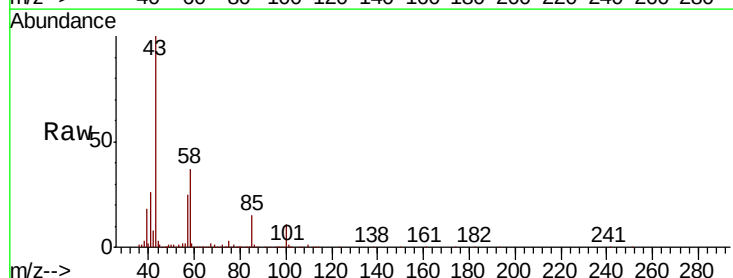
Acq: 22 May 2020 12:02

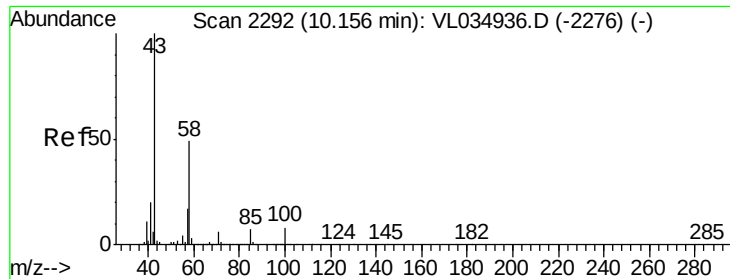
Tgt Ion: 43 Resp: 2479525

Ion Ratio Lower Upper

43 100

58 36.3 29.1 43.7

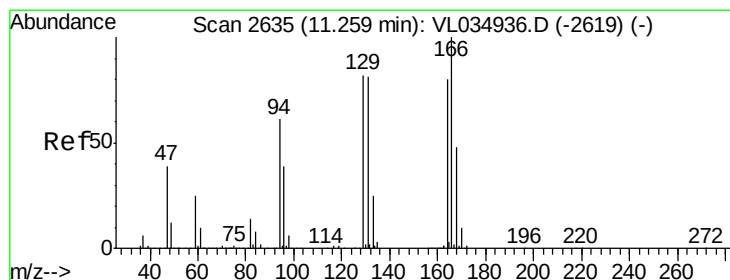
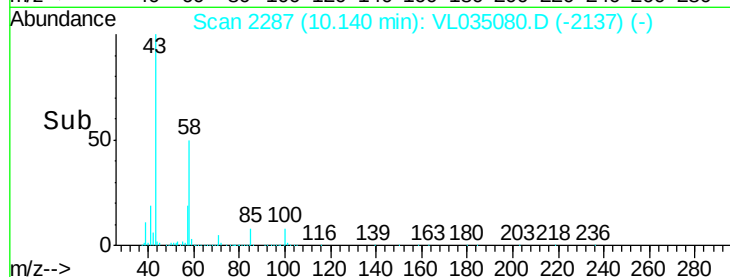
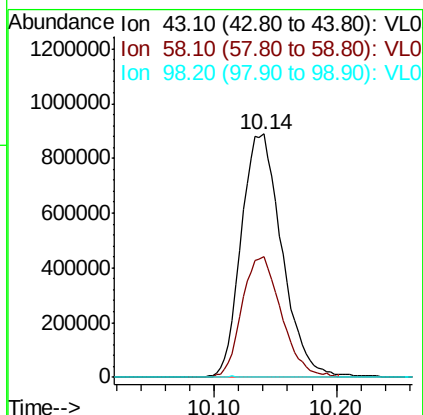
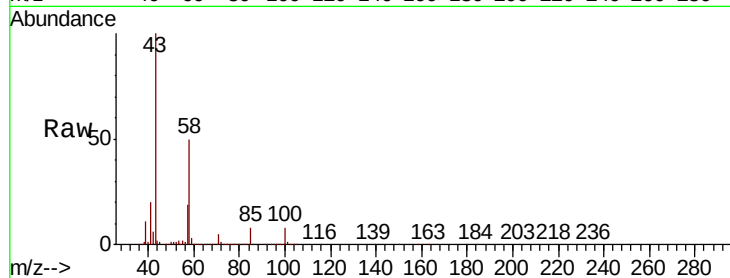




#51
2-Hexanone
Concen: 11.461 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

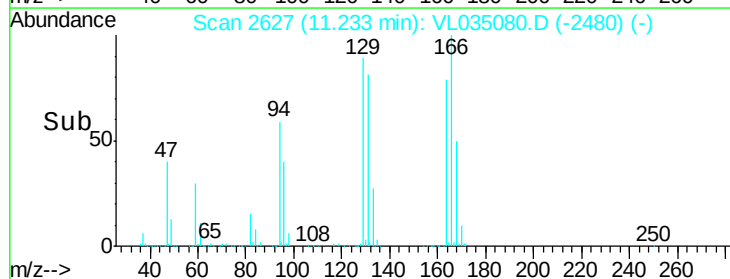
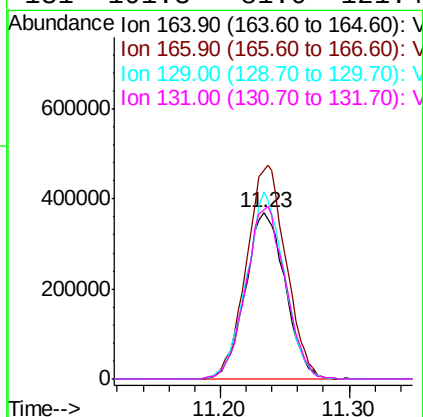
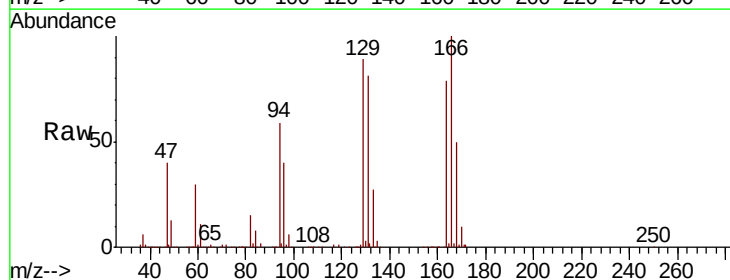
Instrument :
MSVOA_L
ClientSampled :

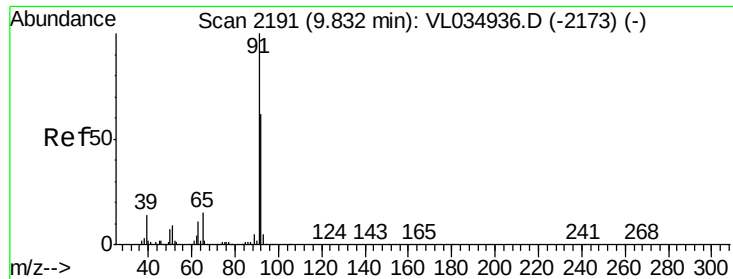
Tot Ion: 43 Resp: 2039425
Ion Ratio Lower Upper
43 100
58 48.4 39.1 58.7
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 10.545 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 164 Resp: 793514
Ion Ratio Lower Upper
164 100
166 125.7 100.7 151.1
129 112.6 83.0 124.4
131 101.3 81.0 121.4





#53

Toluene

Concen: 11.592 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

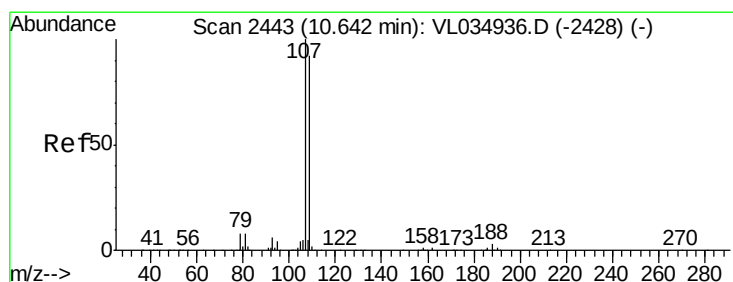
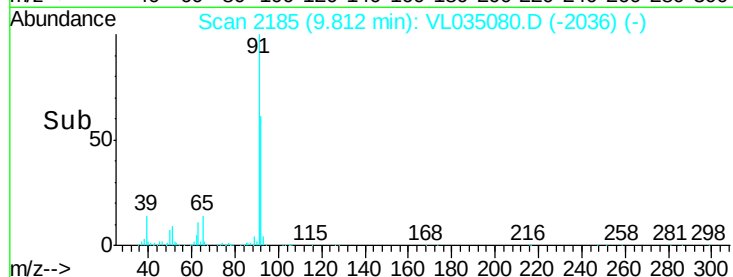
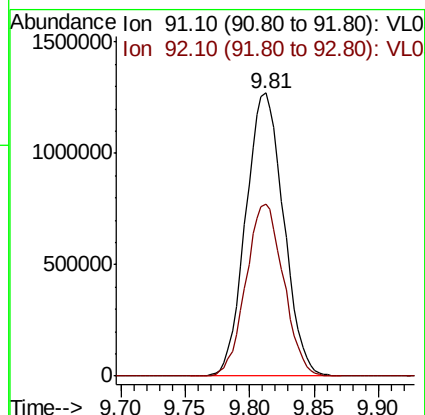
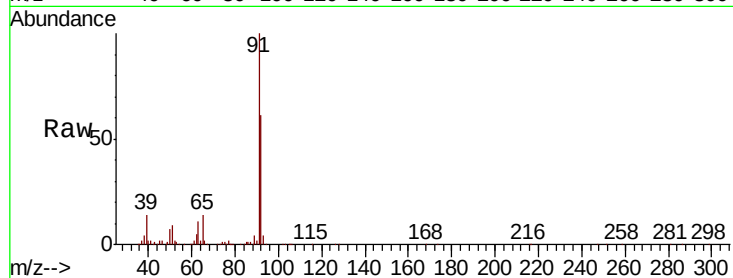
ClientSampleId :

Tot Ion: 91 Resp: 2600589

Ion Ratio Lower Upper

91 100

92 60.3 48.6 73.0



#54

1,2-Dibromoethane

Concen: 10.794 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.02 min

Lab File: VL035080.D

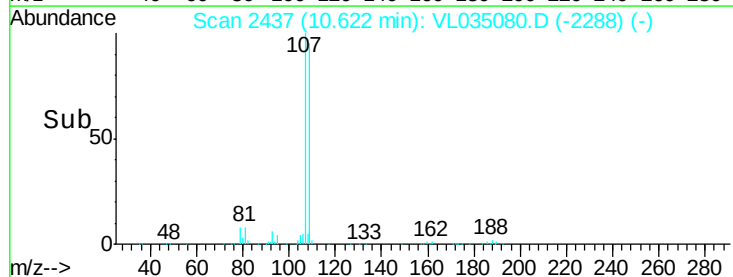
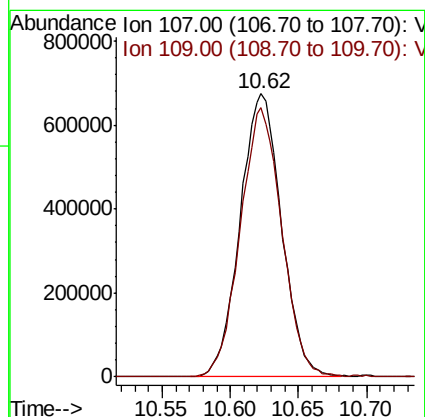
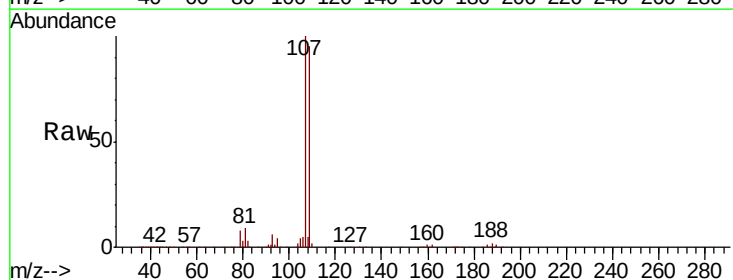
Acq: 22 May 2020 12:02

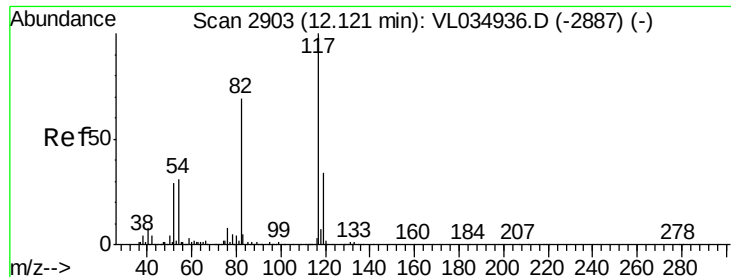
Tgt Ion: 107 Resp: 1419139

Ion Ratio Lower Upper

107 100

109 95.0 73.2 109.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampled :

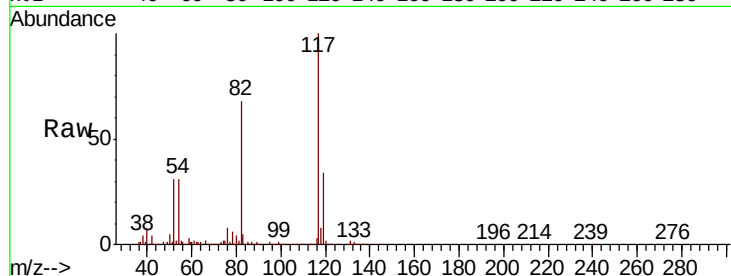
Tot Ion:117 Resp: 2609461

Ion Ratio Lower Upper

117 100

82 65.6 53.1 79.7

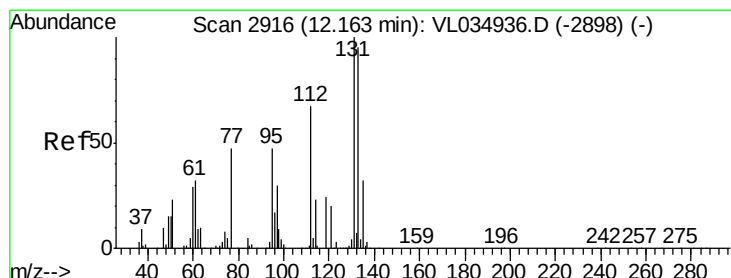
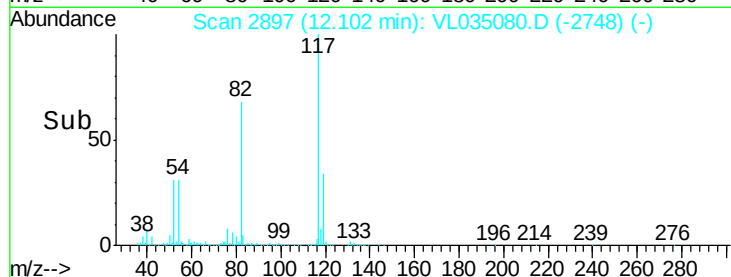
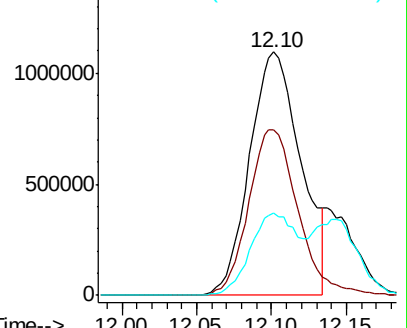
119 30.4 26.7 40.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.837 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

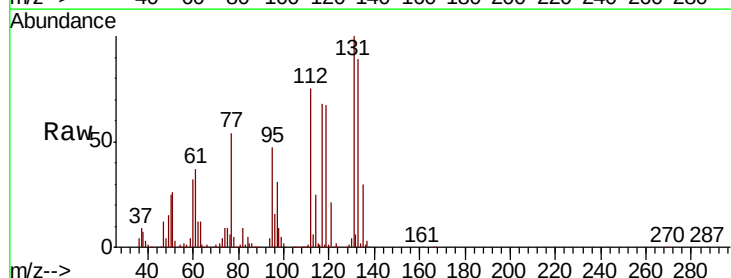
Tgt Ion:131 Resp: 1157641

Ion Ratio Lower Upper

131 100

133 96.2 77.7 116.5

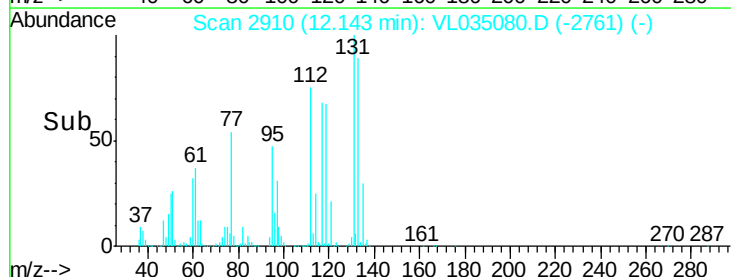
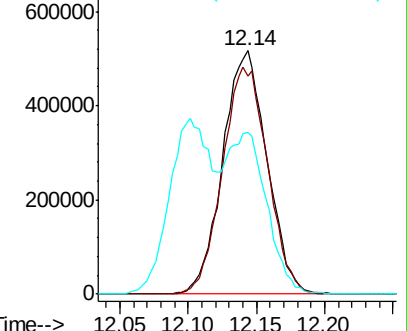
119 68.1 49.8 74.6

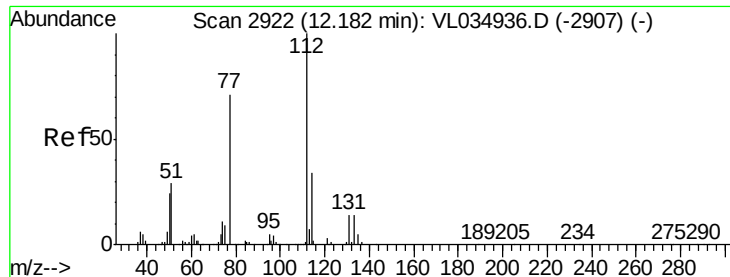


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.430 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

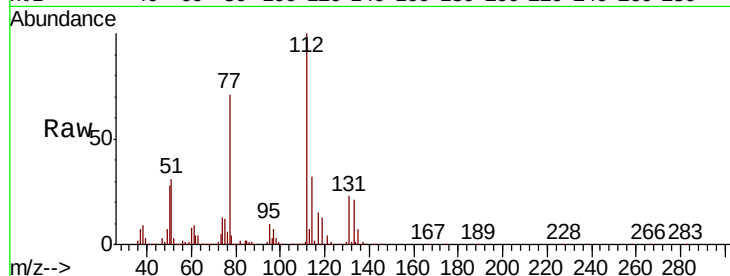
ClientSampleId :

Tot Ion:112 Resp: 1949377

Ion	Ratio	Lower	Upper
112	100		
77	71.4	57.0	85.6
114	32.1	30.8	37.6

77 71.4 57.0 85.6

114 32.1 30.8 37.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

1200000

1000000

800000

600000

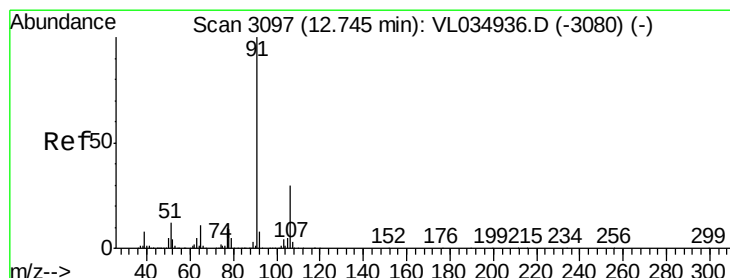
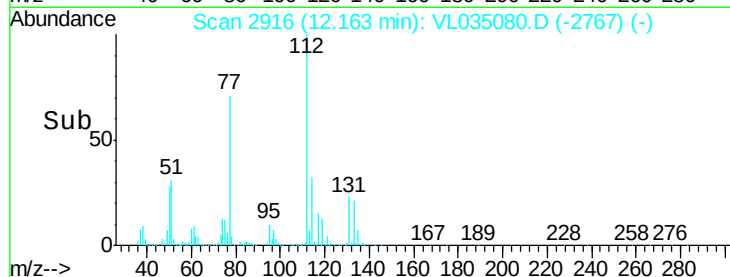
400000

200000

0

12.10 12.20

Time-->



#58

Ethyl Benzene

Concen: 10.836 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.02 min

Lab File: VL035080.D

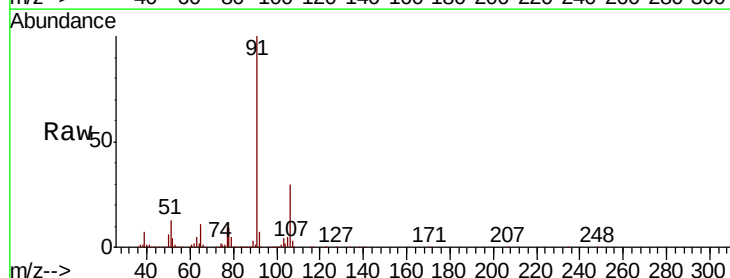
Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 3496668

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4

91 100

106 29.9 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

1500000

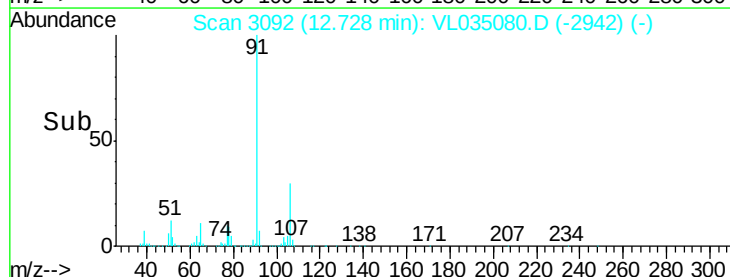
1000000

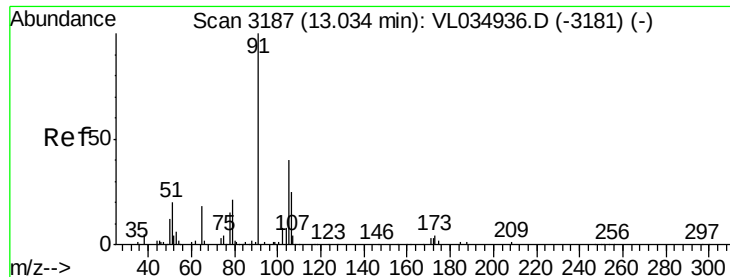
500000

0

12.70 12.80

Time-->

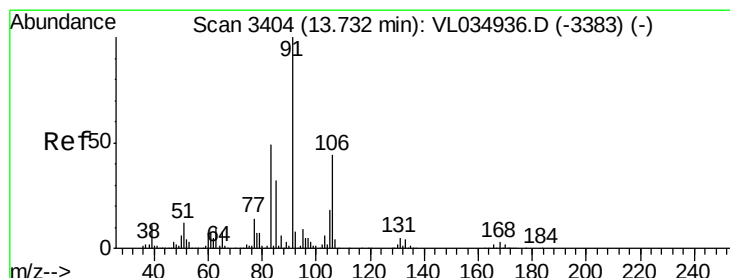
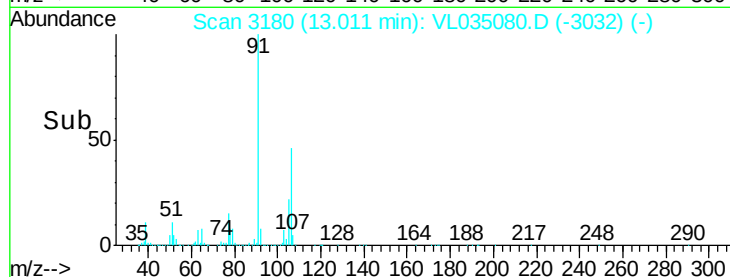
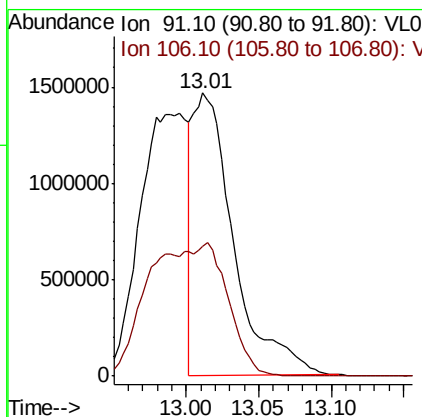
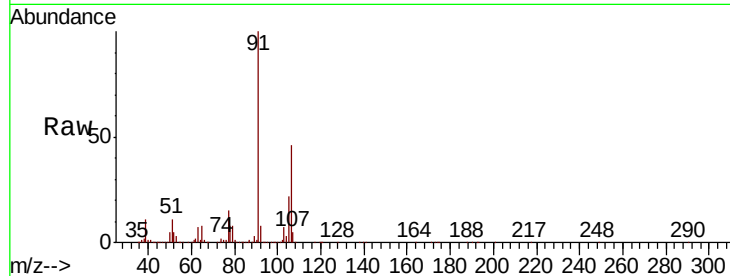




#59
m/p-Xylene
Concen: 10.066 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

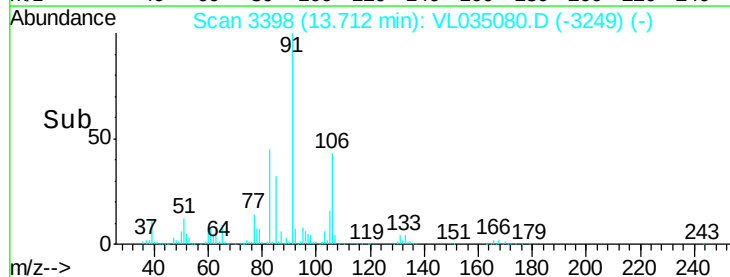
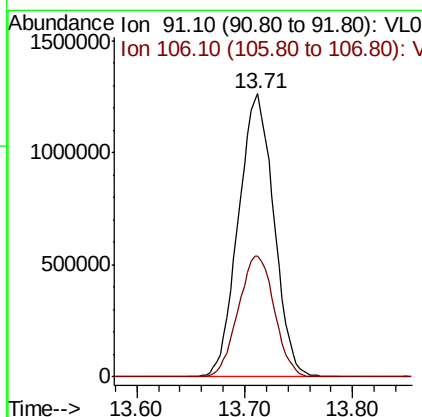
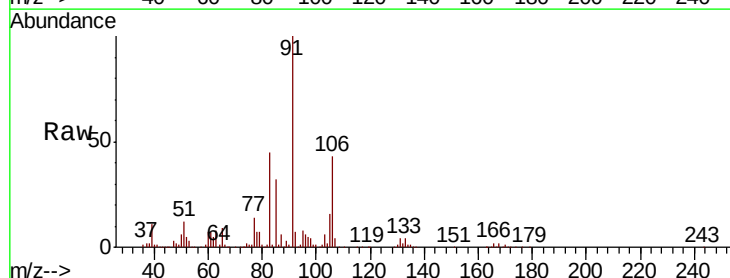
Instrument :
MSVOA_L
ClientSampleId :

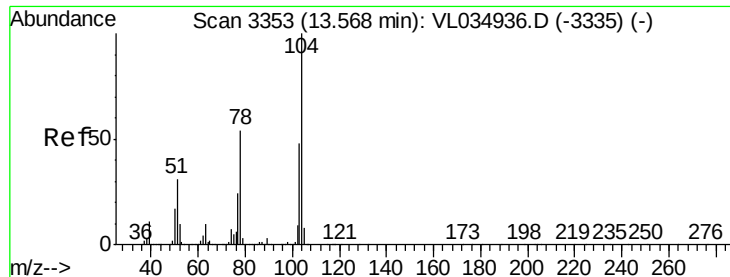
Tot Ion: 91 Resp: 2857706
Ion Ratio Lower Upper
91 100
106 92.3 66.0 99.0



#60
o-Xylene
Concen: 10.268 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 2876495
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.5





#61

Stvrene

Concen: 11.459 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

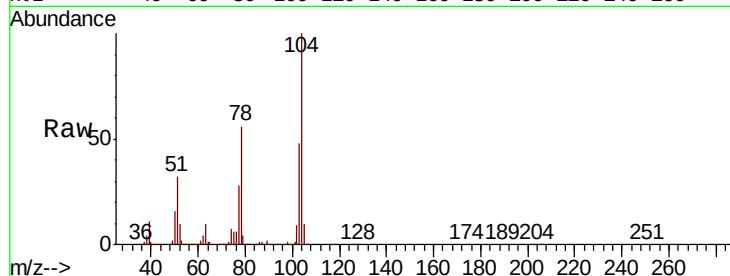
Tot Ion:104 Resp: 2031548

Ion Ratio Lower Upper

104 100

78 54.7 43.7 65.5

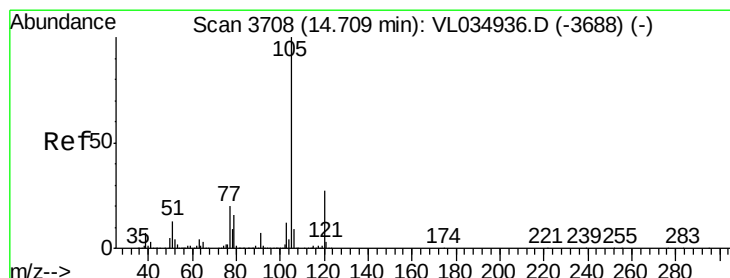
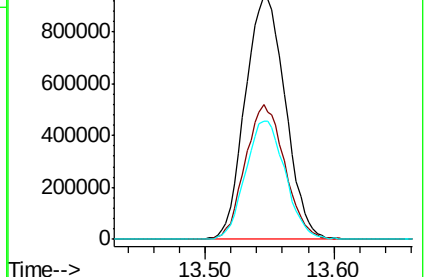
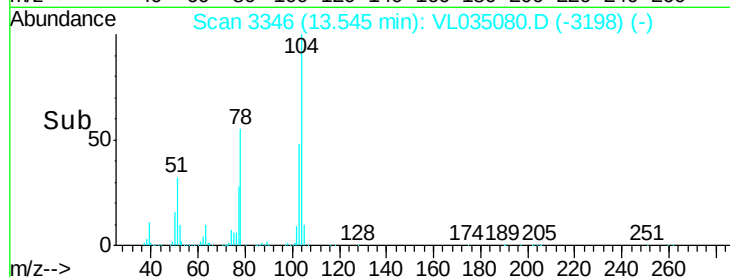
103 48.3 38.8 58.2



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: 10.080 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.02 min

Lab File: VL035080.D

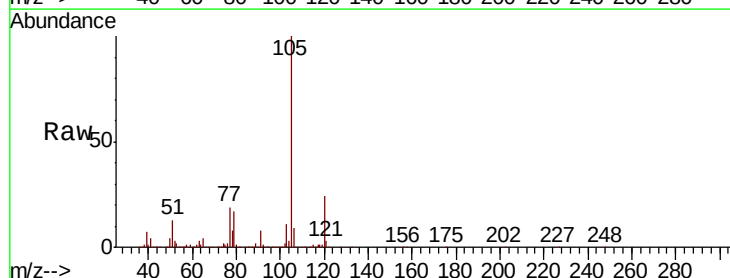
Acq: 22 May 2020 12:02

Tgt Ion:105 Resp: 4216224

Ion Ratio Lower Upper

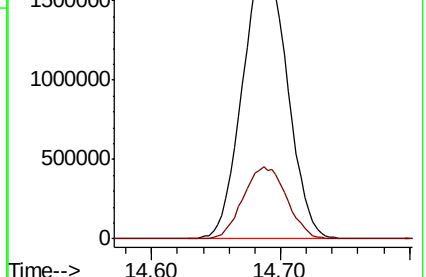
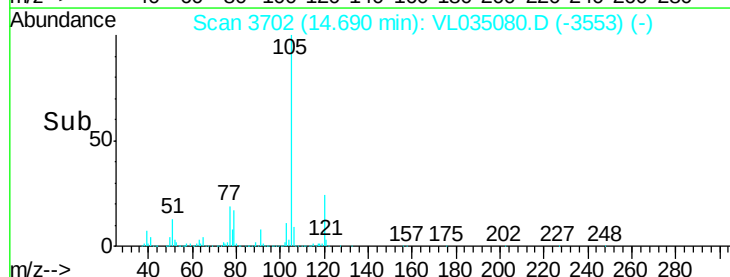
105 100

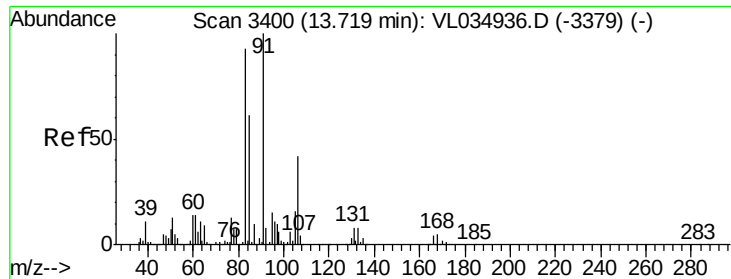
120 25.4 20.6 31.0



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: 9.138 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

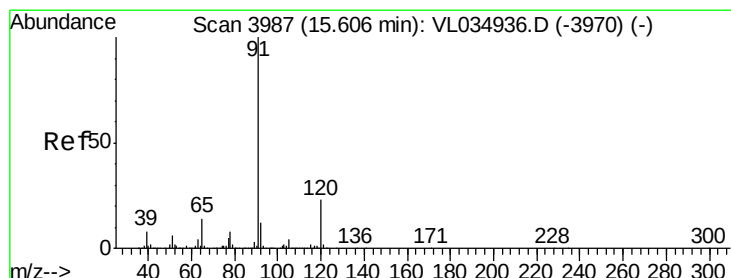
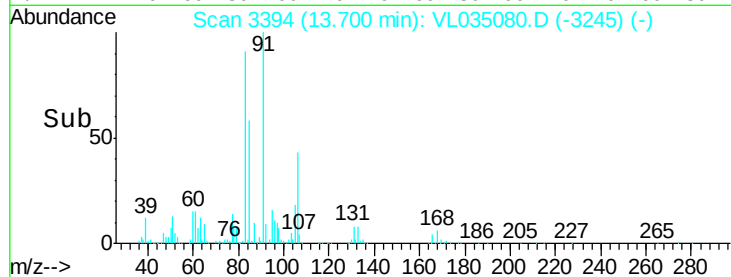
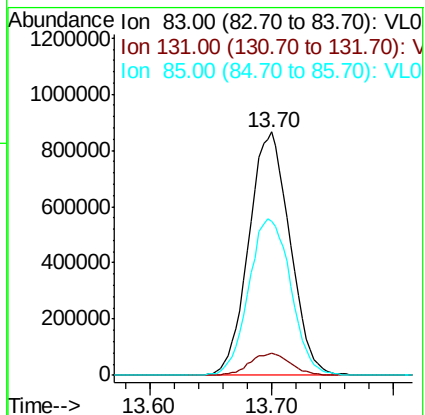
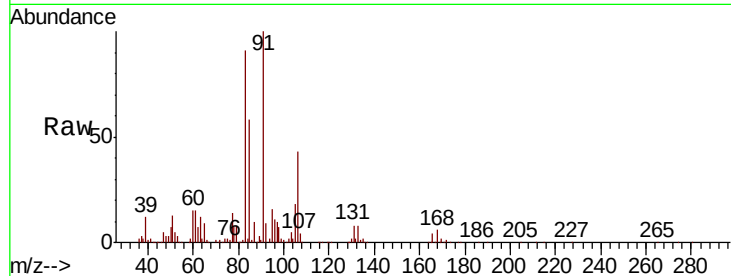
Tot Ion: 83 Resp: 2015099

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	66.1	32.5	97.4

83 100

131 9.0 4.7 14.0

85 66.1 32.5 97.4



#64

n-propylbenzene

Concen: 10.326 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.02 min

Lab File: VL035080.D

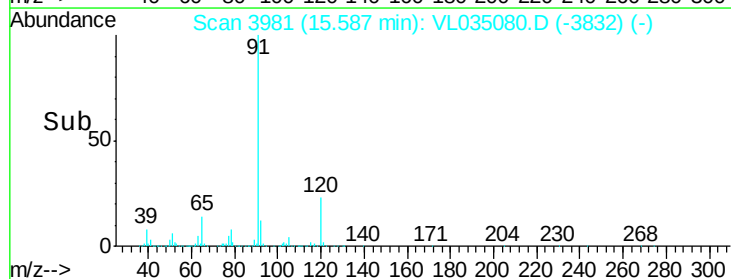
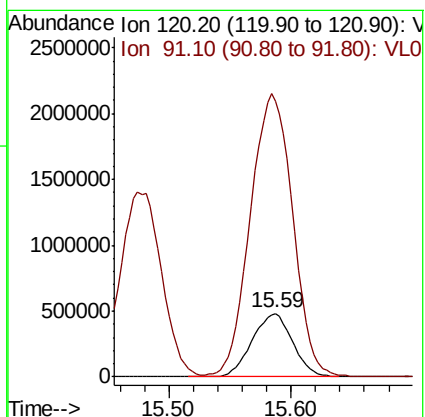
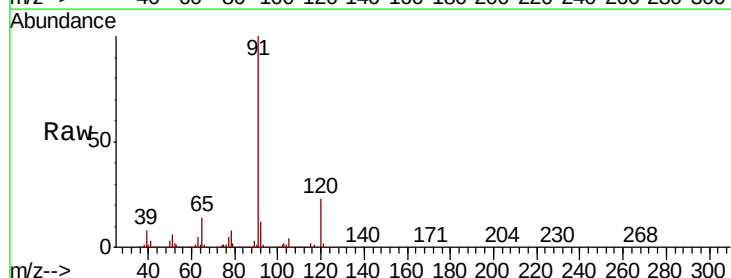
Acq: 22 May 2020 12:02

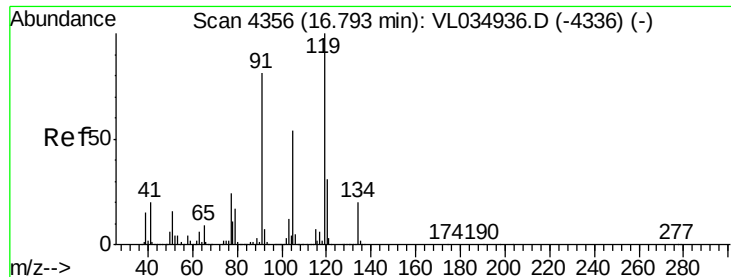
Tgt Ion: 120 Resp: 1107841

Ion	Ratio	Lower	Upper
120	100		
91	469.5	373.5	560.3

120 100

91 469.5 373.5 560.3





#65

tert-Butylbenzene

Concen: 9.997 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

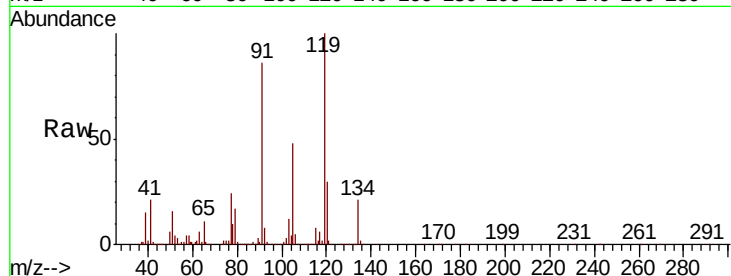
Tot Ion:119 Resp: 3626541

Ion Ratio Lower Upper

119 100

91 84.8 67.5 101.3

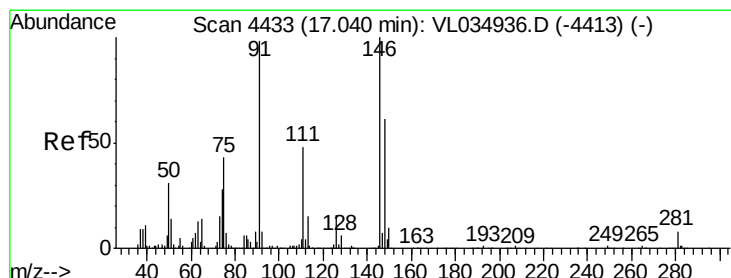
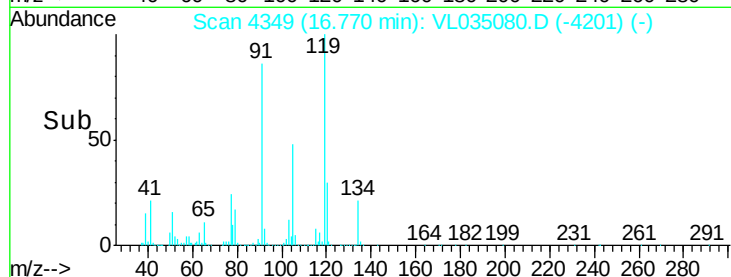
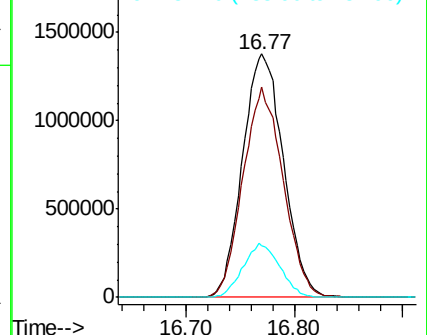
134 20.0 16.1 24.1



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.240 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

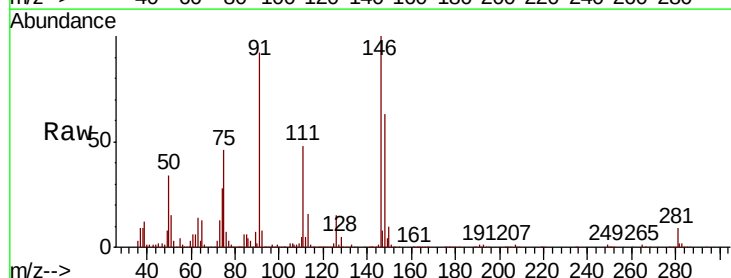
Tgt Ion: 91 Resp: 1384247

Ion Ratio Lower Upper

91 100

126 15.6 13.8 20.6

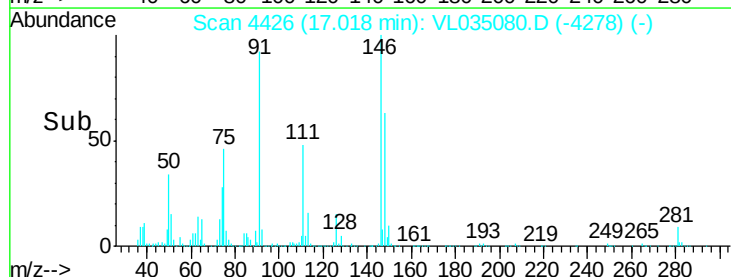
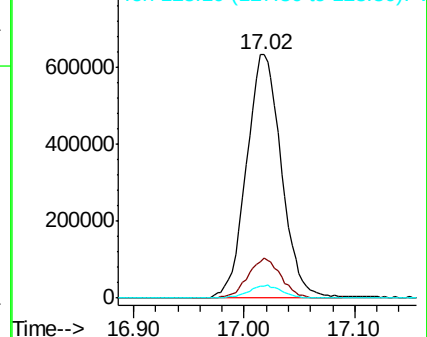
128 5.1 4.3 6.5

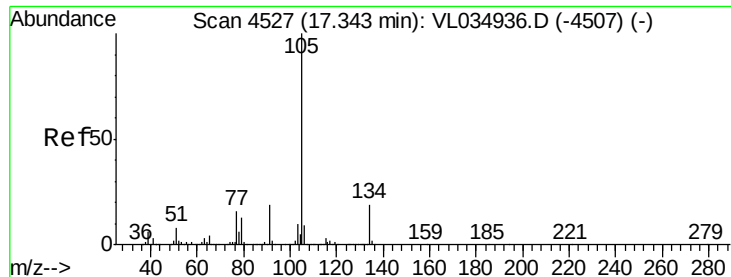


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.016 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

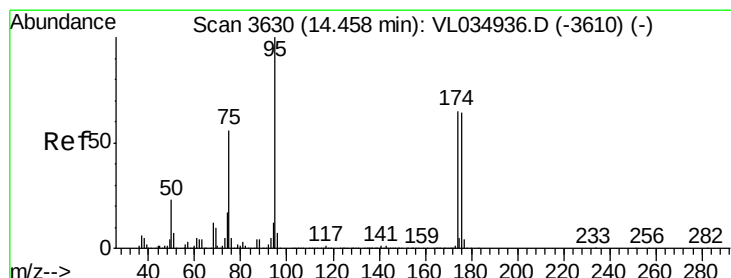
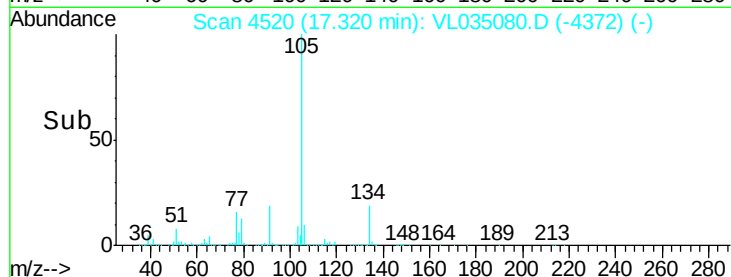
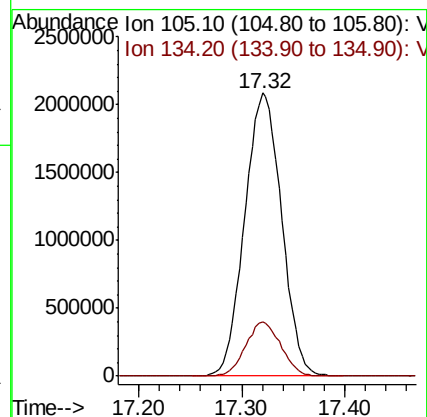
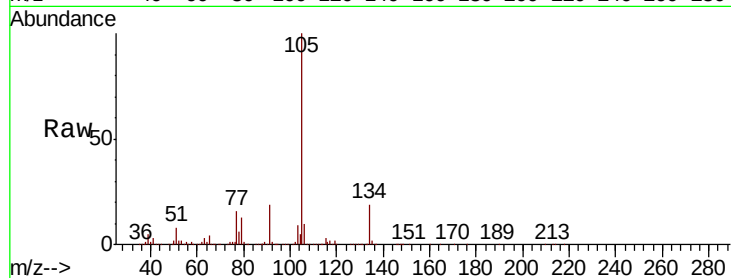
ClientSampleId :

Tot Ion:105 Resp: 5186843

Ion Ratio Lower Upper

105 100

134 18.4 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.953 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

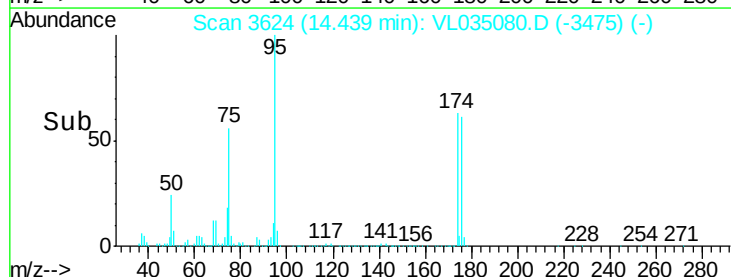
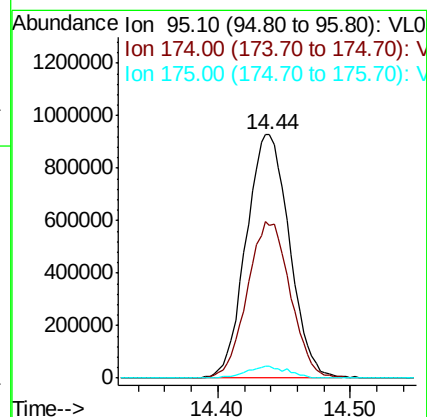
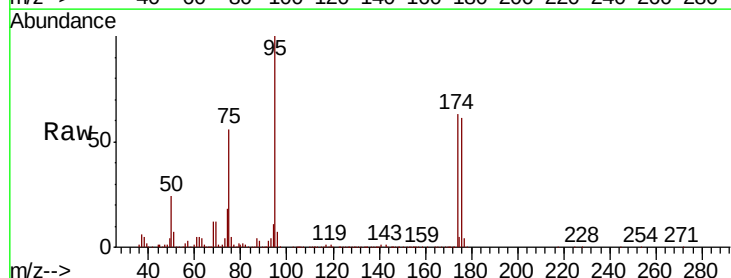
Tgt Ion: 95 Resp: 2102307

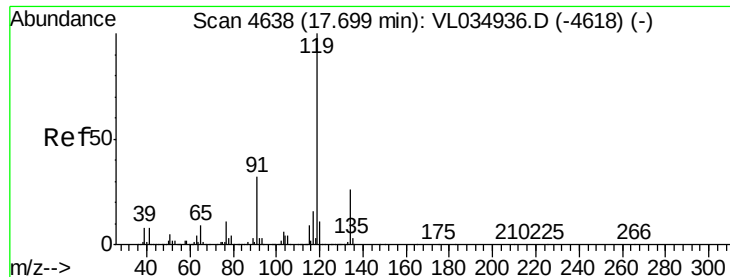
Ion Ratio Lower Upper

95 100

174 63.9 51.5 77.3

175 4.8 3.8 5.8

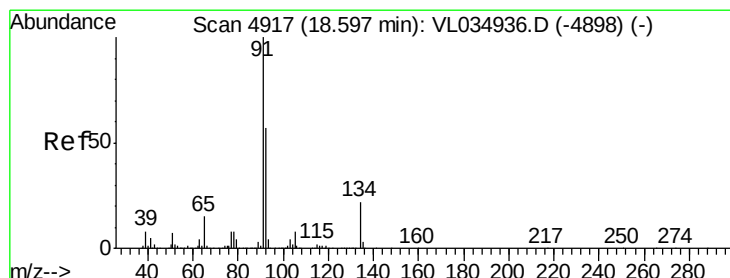
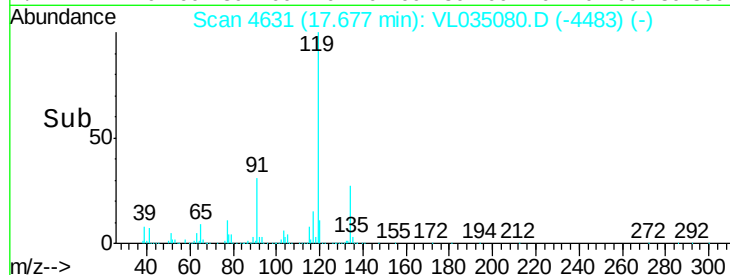
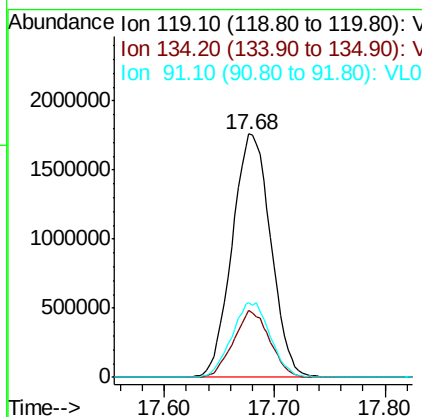
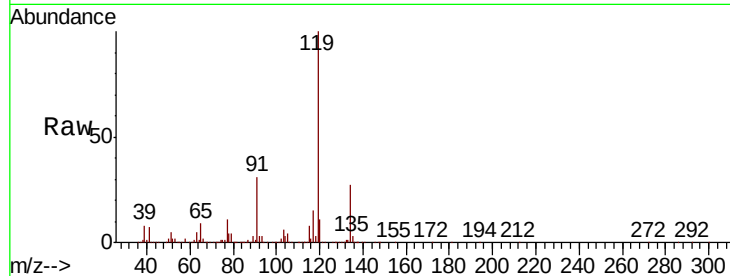




#69
 p-Isopropyltoluene
 Concen: 10.168 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

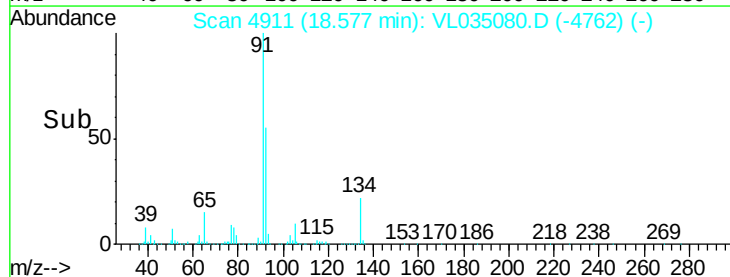
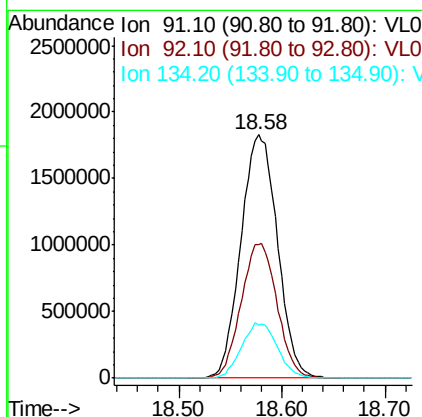
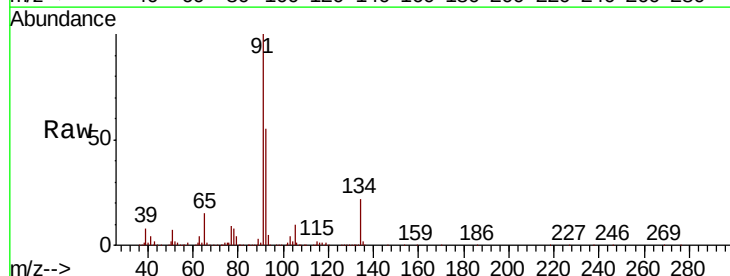
Instrument :
 MSVOA_L
 ClientSampleId :

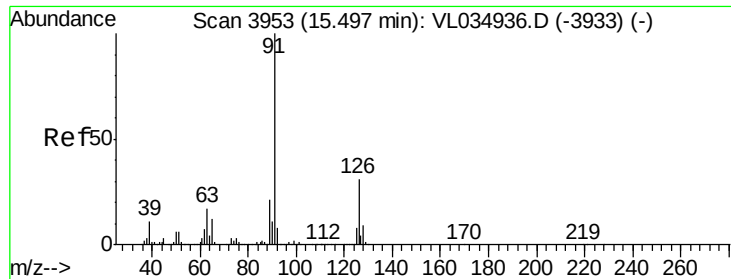
Tot Ion:119 Resp: 4260044
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.3 30.5
 91 30.8 24.6 36.8



#70
 n-Butylbenzene
 Concen: 10.104 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 4505295
 Ion Ratio Lower Upper
 91 100
 92 54.4 44.4 66.6
 134 22.2 18.0 27.0





#71

2-Chlorotoluene

Concen: 10.431 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

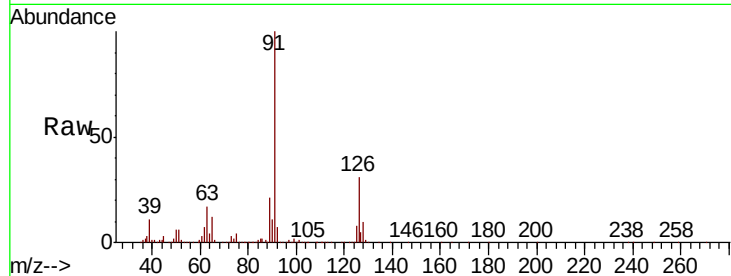
ClientSampleId :

Tot Ion: 91 Resp: 3293427

Ion Ratio Lower Upper

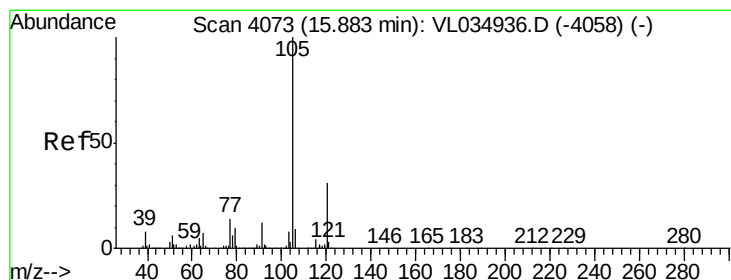
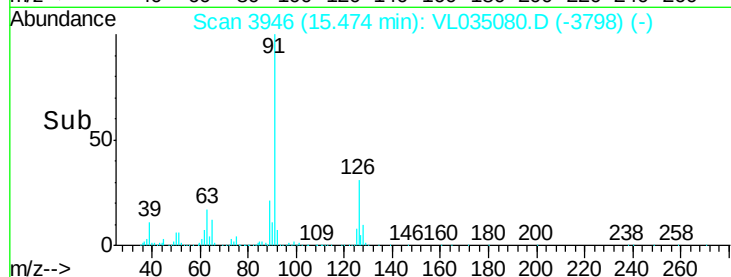
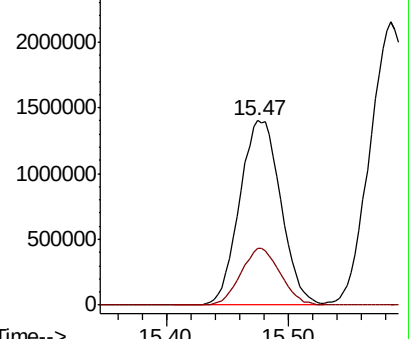
91 100

126 29.6 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.656 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Tgt Ion:105 Resp: 3330559

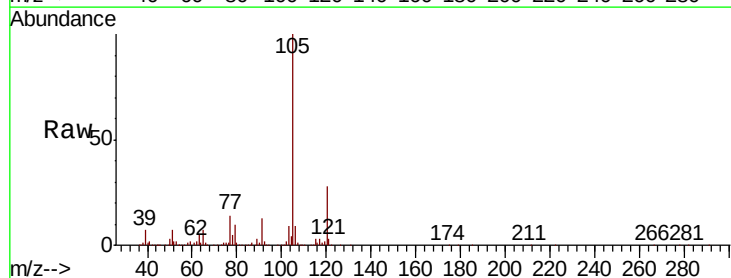
Ion Ratio Lower Upper

105 100

120 29.2 23.8 35.8

91 13.8 10.6 15.8

77 14.8 11.6 17.4

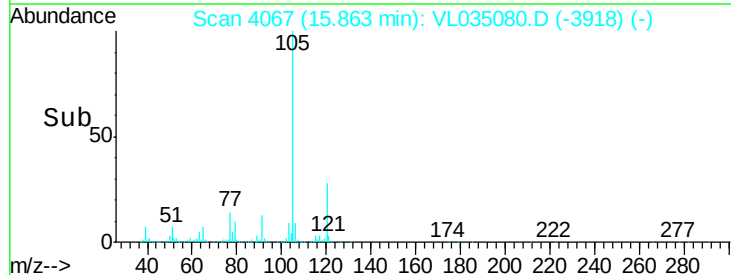
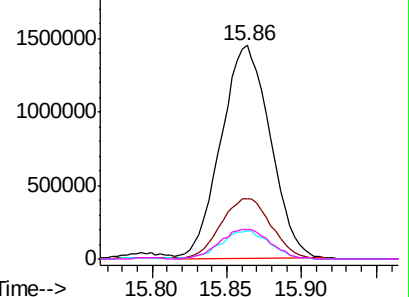


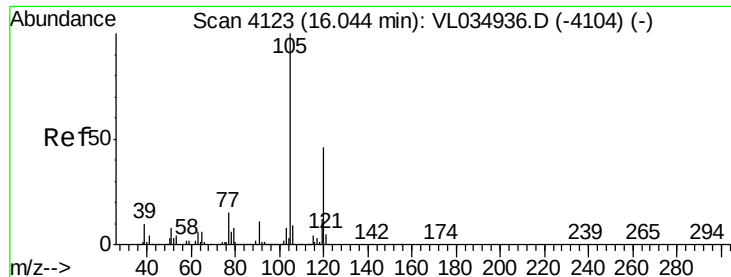
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.193 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.02 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

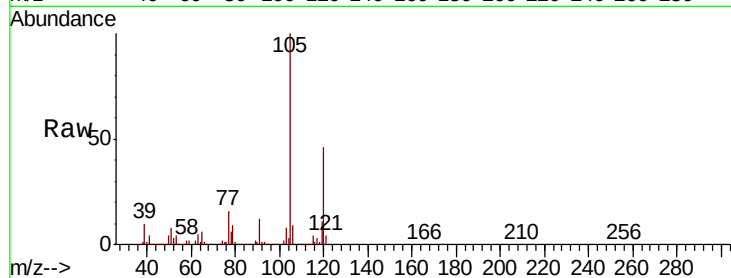
ClientSampleId :

Tot Ion:105 Resp: 3100247

Ion Ratio Lower Upper

105 100

120 45.7 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

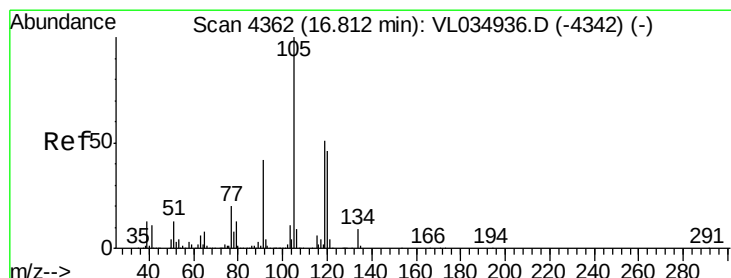
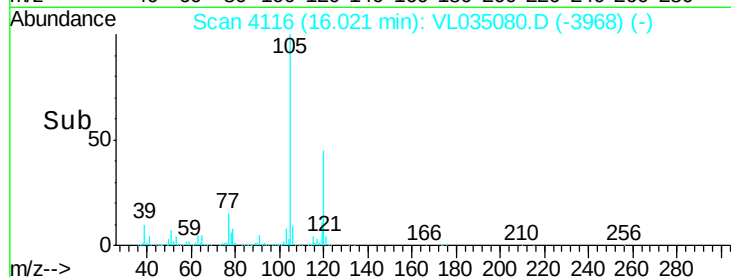
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.697 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.03 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Tgt Ion:105 Resp: 3219539

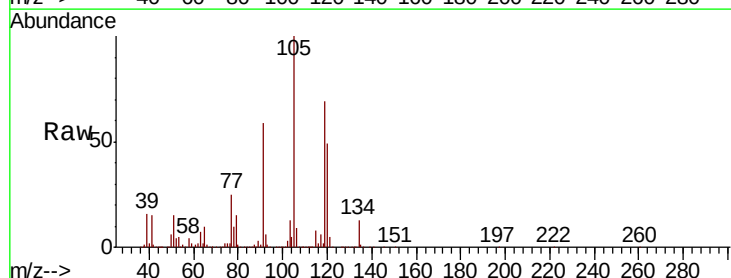
Ion Ratio Lower Upper

105 100

120 49.4 36.8 55.2

91 58.6 35.4 53.0#

77 24.7 16.2 24.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

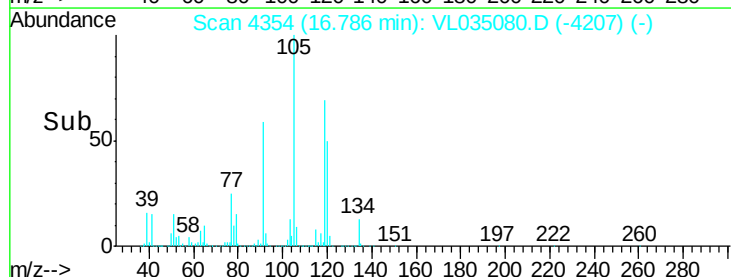
1500000

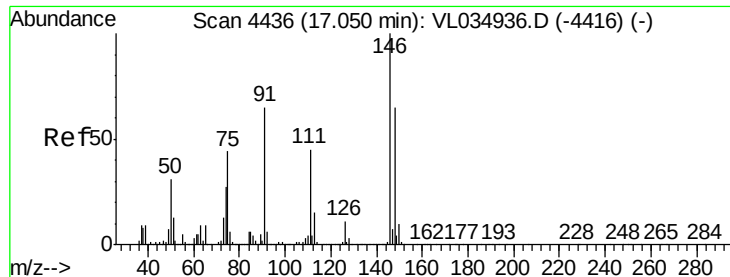
1000000

500000

0

Time-->

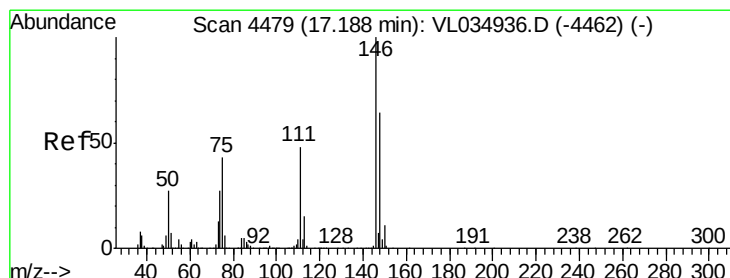
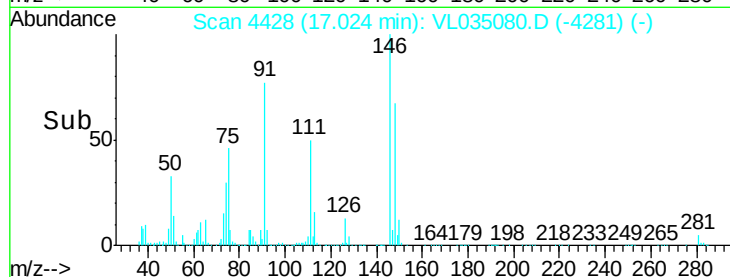
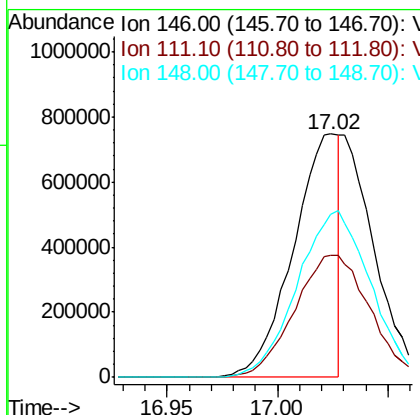
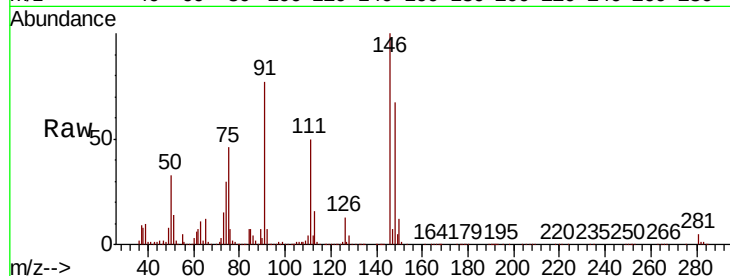




#75
 1,3-Dichlorobenzene
 Concen: 5.536 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.03 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

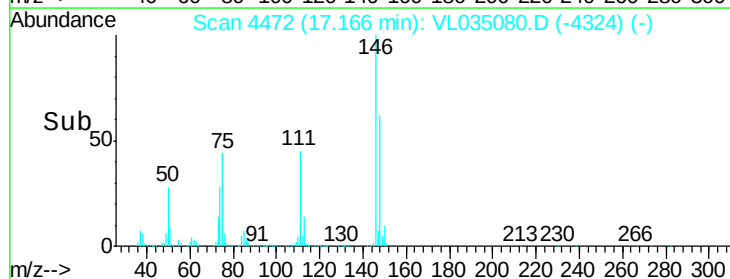
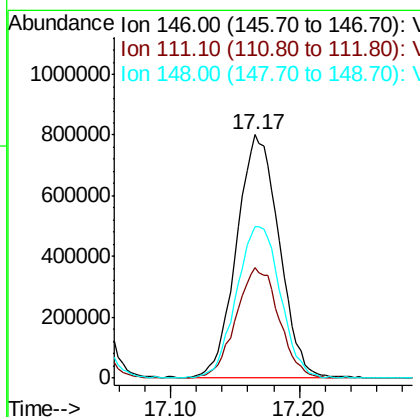
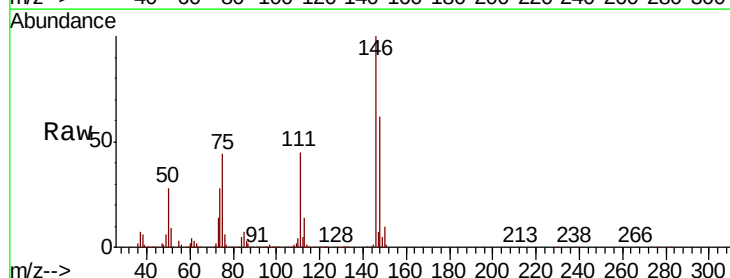
Instrument :
 MSVOA_L
 ClientSampleId :

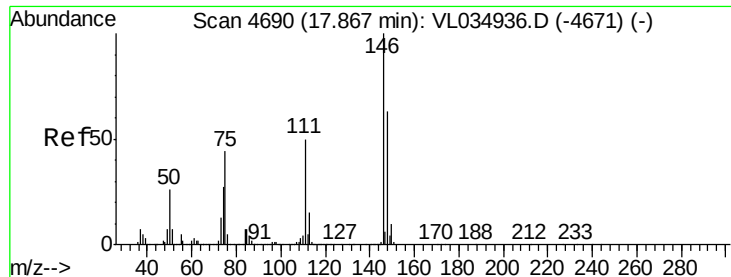
Tot Ion:146 Resp: 1079306
 Ion Ratio Lower Upper
 146 100
 111 82.4 24.0 72.0#
 148 0.0 32.6 97.7#



#76
 1,4-Dichlorobenzene
 Concen: 9.857 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

Tgt Ion:146 Resp: 1825909
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.7 71.1
 148 65.0 32.6 97.8

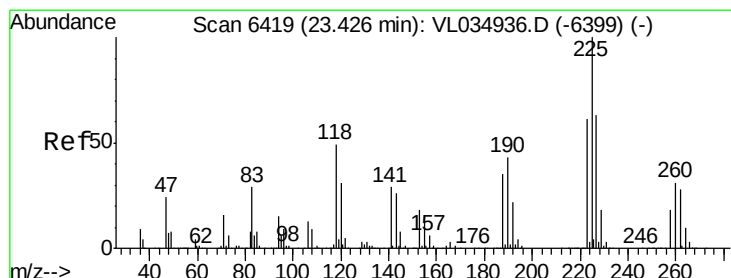
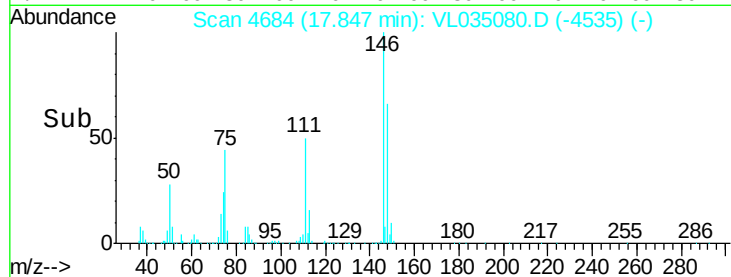
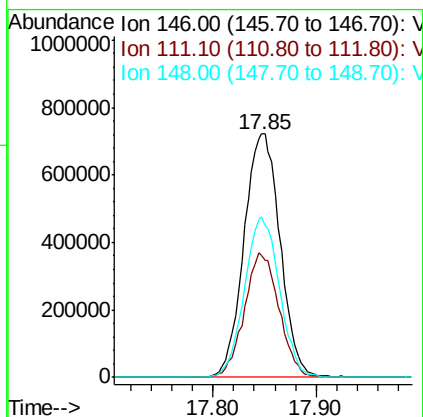
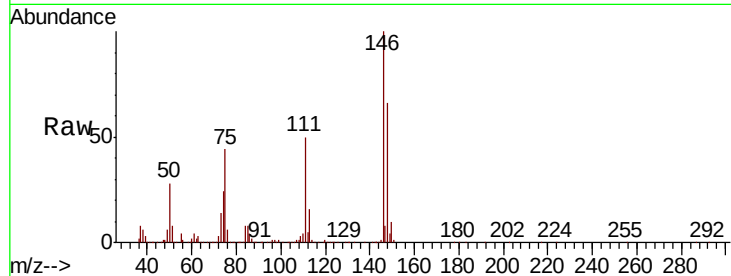




#77
 1,2-Dichlorobenzene
 Concen: 9.547 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

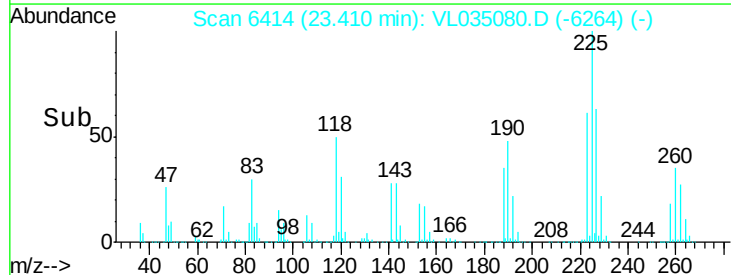
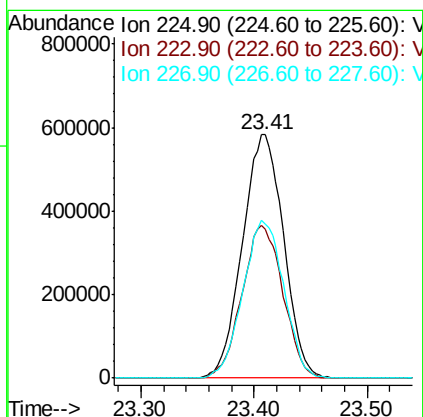
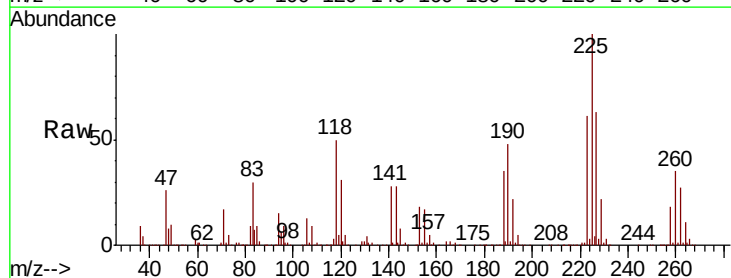
Instrument :
 MSVOA_L
 ClientSampled :

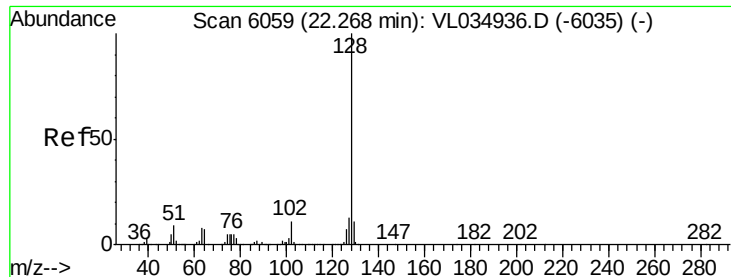
Tot Ion:146 Resp: 1753684
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.5 73.5
 148 64.1 31.7 95.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.431 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.02 min
 Lab File: VL035080.D
 Acq: 22 May 2020 12:02

Tgt Ion:225 Resp: 1476774
 Ion Ratio Lower Upper
 225 100
 223 62.3 49.8 74.8
 227 64.4 51.8 77.6

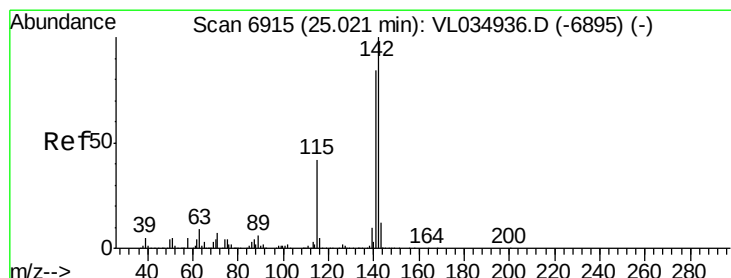
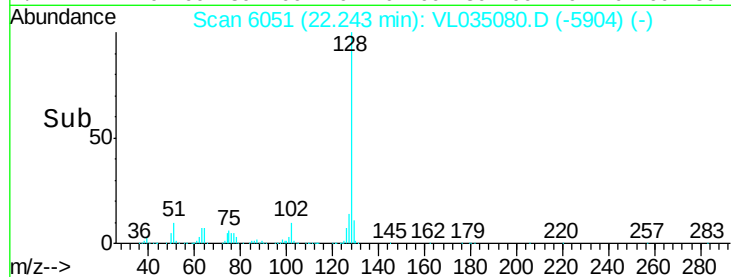
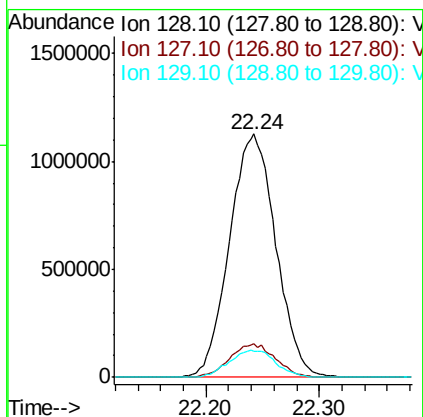
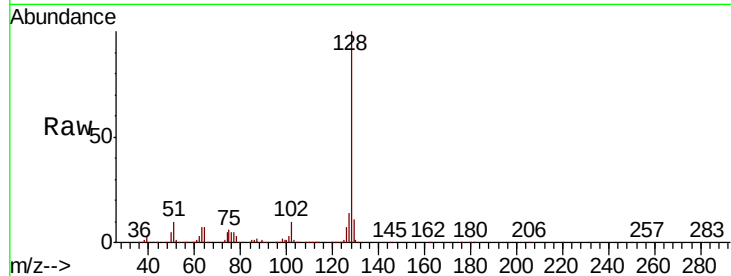




#79
Naphthalene
Concen: 12.323 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

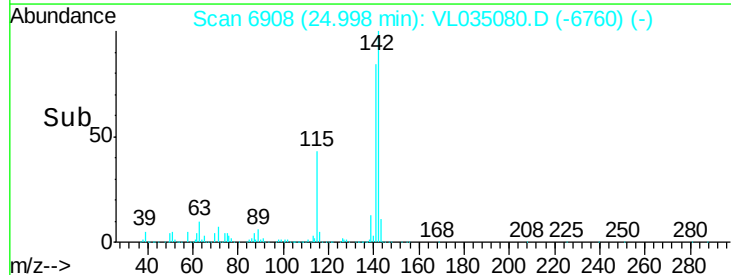
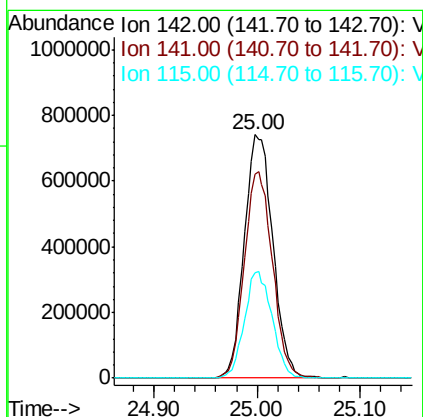
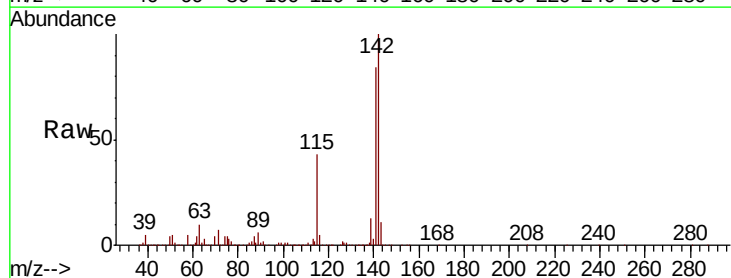
Instrument :
MSVOA_L
ClientSampled :

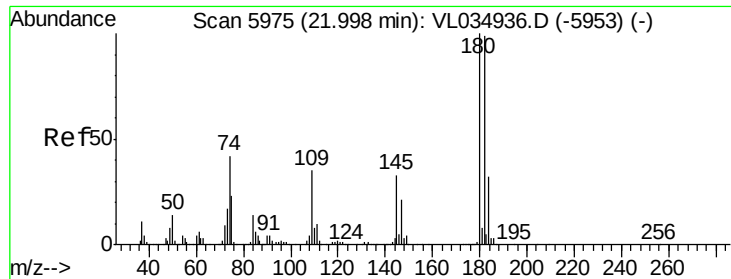
Tot Ion:128 Resp: 3186205
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.8 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 22.440 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:142 Resp: 1426174
Ion Ratio Lower Upper
142 100
141 83.6 68.6 102.8
115 42.7 33.9 50.9





#81

1,2,4-Trichlorobenzene

Concen: 10.645 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. -0.03 min

Lab File: VL035080.D

Acq: 22 May 2020 12:02

Instrument :

MSVOA_L

ClientSampleId :

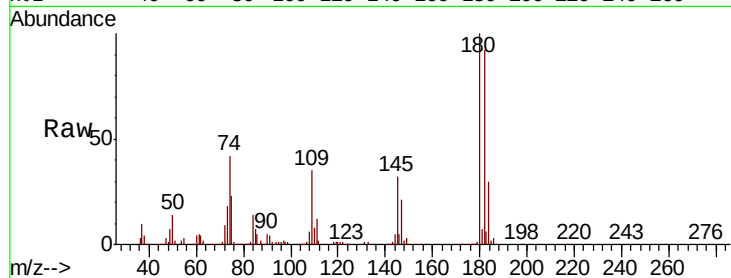
Tot Ion:180 Resp: 1669016

Ion Ratio Lower Upper

180 100

182 96.9 77.5 116.3

184 31.3 24.8 37.2



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

