

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035020.D
 Acq On : 14 May 2020 14:32
 Operator : SY/AP
 Sample : VL0514ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:06:51 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	1023788	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2388106	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2876051	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1965346	8.44	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1077452	7.415	ppbv 100
3) Chlorodifluoromethane	2.94	51	1050006	8.983	ppbv 99
4) Chloromethane	3.09	50	604887	9.030	ppbv 99
5) Vinyl Chloride	3.21	62	593595	9.084	ppbv 98
6) Bromomethane	3.43	94	358807	9.196	ppbv 96
7) Chloroethane	3.51	64	218564	9.313	ppbv 95
8) Dichlorotetrafluoroethane	3.14	85	1356517	9.021	ppbv 99
9) Propene	2.96	41	449456	8.861	ppbv 99
10) Heptane	8.12	43	1234719	9.717	ppbv 99
11) Trichlorofluoromethane	3.91	101	1404956	9.377	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	964486	9.041	ppbv 100
13) Ethanol	3.56	45	135162	8.076	ppbv 100
14) Bromoethene	3.70	108	424424	9.627	ppbv 97
15) Acetone	3.81	43	1113982	8.230	ppbv 97
16) 1,3-Butadiene	3.28	39	544288	9.345	ppbv 99
17) tert-Butyl alcohol	4.26	59	1087668	9.032	ppbv 99
18) 1,1-Dichloroethene	4.25	96	457588	9.887	ppbv 97
19) Isopropyl Alcohol	3.93	45	803177	8.898	ppbv 99
20) Methylene Chloride	4.31	84	401565	8.963	ppbv 95
21) Allyl Chloride	4.38	41	770957	10.084	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	449846	9.812	ppbv 95
23) Vinyl Acetate	5.05	43	1669419	9.727	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1213020	9.176	ppbv 99
25) Ethyl Acetate	5.65	43	2144452	9.432	ppbv 99
26) Hexane	5.66	57	937128	9.508	ppbv 99
27) Carbon Disulfide	4.52	76	1148165	9.883	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1402162	9.341	ppbv 100
29) Chloroform	5.73	83	1460665	9.057	ppbv 93
30) Cyclohexane	7.12	84	775787	10.200	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	961139	9.994	ppbv 95
32) 1,1,1-Trichloroethane	6.50	97	1390666	9.549	ppbv 100
34) 2-Butanone	5.22	43	1390754	9.370	ppbv 99
35) Carbon Tetrachloride	7.01	117	1421211	9.429	ppbv 97
36) Benzene	6.88	78	1865209	9.473	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1163047	9.576	ppbv 99
38) Trichloroethene	7.83	130	714256	9.364	ppbv 96
39) 1,2-Dichloropropane	7.61	63	737786	9.348	ppbv 98
40) 1,4-Dioxane	7.83	88	278339	8.676	ppbv # 1
41) Tetrahydrofuran	6.03	42	776759	9.940	ppbv 99
42) Bromodichloromethane	7.79	83	1569462	9.582	ppbv 96
43) Methyl Methacrylate	8.01	69	859277	10.335	ppbv 100

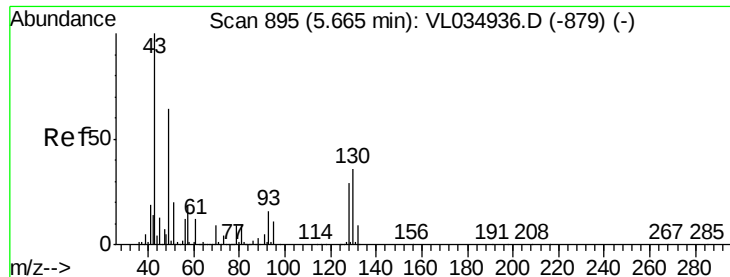
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035020.D
 Acq On : 14 May 2020 14:32
 Operator : SY/AP
 Sample : VL0514ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:06:51 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	3255538	9.300	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	957842	11.416	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1126842	10.939	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	769176	9.235	ppbv	96
48) Dibromochloromethane	10.32	129	1276352	9.965	ppbv	100
49) Bromoform	13.06	173	1099151	9.973	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2072038	9.790	ppbv	99
51) 2-Hexanone	10.14	43	1705008	10.299	ppbv	99
52) Tetrachloroethene	11.24	164	657859	9.397	ppbv	96
53) Toluene	9.82	91	2183737	10.463	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1182228	9.666	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	944249	7.280	ppbv	95
57) Chlorobenzene	12.16	112	1619426	7.107	ppbv	99
58) Ethyl Benzene	12.73	91	2919742	8.210	ppbv	99
59) m/p-Xylene	13.01	91	1277246	4.082	ppbv #	4
60) o-Xylene	13.71	91	2397858	7.766	ppbv	98
61) Styrene	13.55	104	1699534	8.697	ppbv	99
62) Isopropylbenzene	14.69	105	3524589	7.646	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1672310	6.880	ppbv	100
64) n-propylbenzene	15.59	120	899268	7.605	ppbv	93
65) tert-Butylbenzene	16.77	119	3014302	7.539	ppbv	99
66) Benzyl Chloride	17.02	91	1102855	8.125	ppbv	97
67) sec-Butylbenzene	17.32	105	4333941	7.593	ppbv	99
69) p-Isopropyltoluene	17.68	119	3521038	7.625	ppbv	100
70) n-Butylbenzene	18.58	91	3757096	7.645	ppbv	98
71) 2-Chlorotoluene	15.48	91	2724073	7.828	ppbv	99
72) 4-Ethyltoluene	15.87	105	2793491	8.109	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	2570600	7.668	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2665593	7.284	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1503645	6.998	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1502973	7.362	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1436588	7.096	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1199015	6.948	ppbv	99
79) Naphthalene	22.25	128	2674880	9.387	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1217325	17.379	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	798321	4.620	ppbv #	12

(#) = 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: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

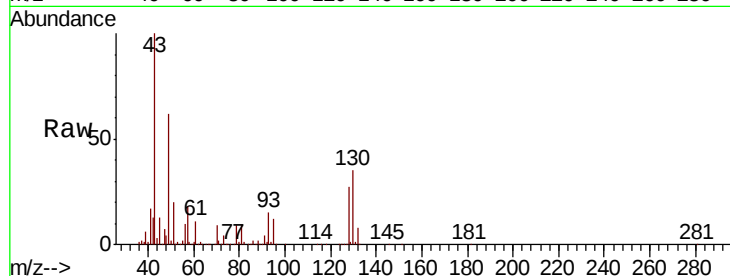
Tot Ion: 49 Resp: 1023788

Ion Ratio Lower Upper

49 100

128 44.7 22.1 66.5

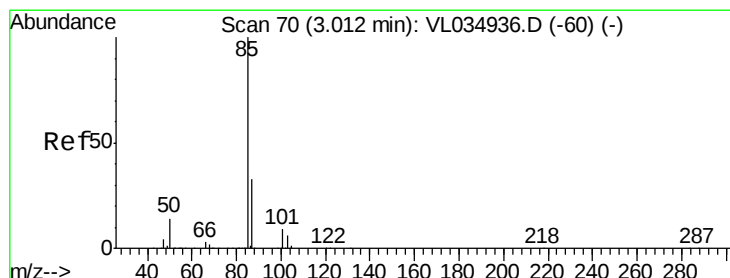
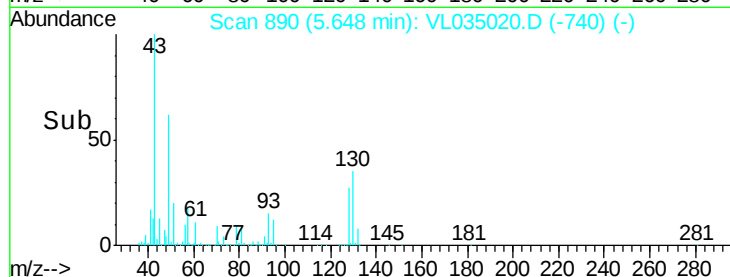
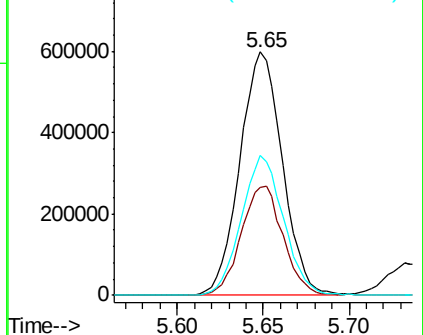
130 57.3 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.415 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035020.D

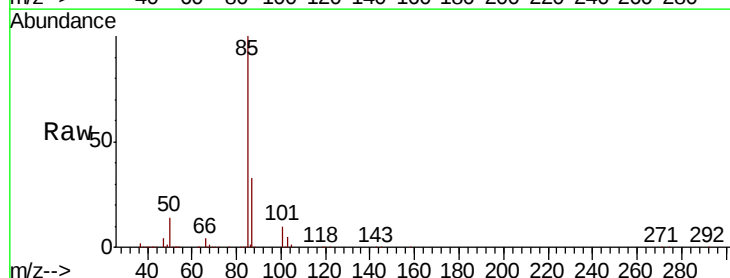
Acq: 14 May 2020 14:32

Tgt Ion: 85 Resp: 1077452

Ion Ratio Lower Upper

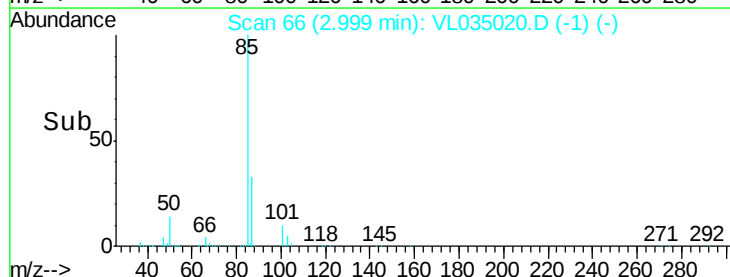
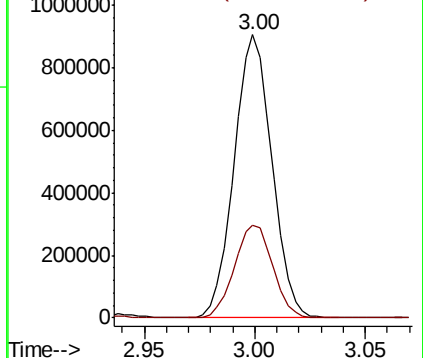
85 100

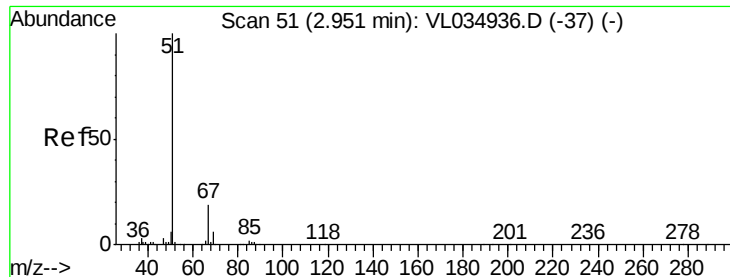
87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.983 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

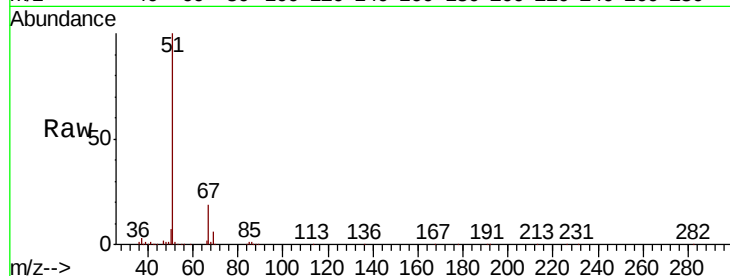
ClientSampleId :

Tot Ion: 51 Resp: 1050006

Ion Ratio Lower Upper

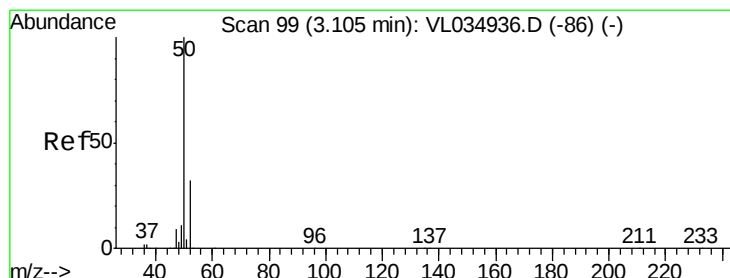
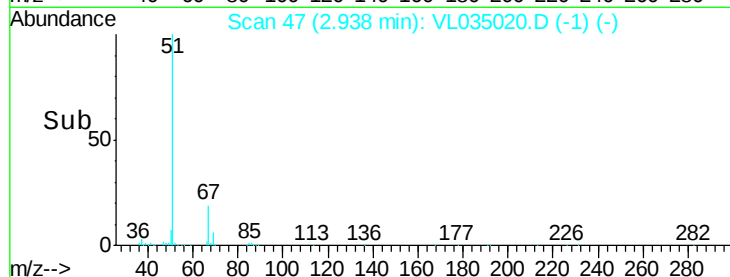
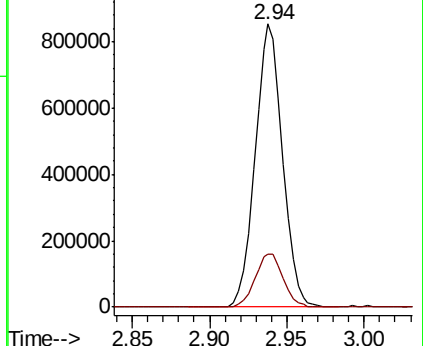
51 100

67 19.4 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.030 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035020.D

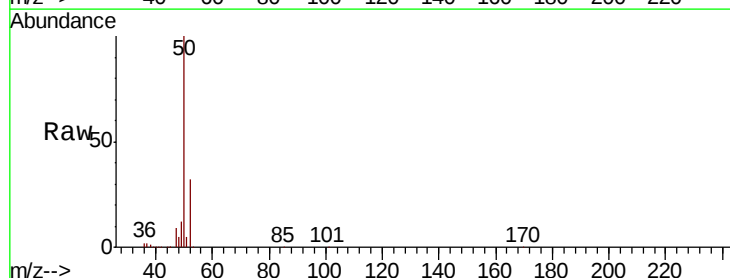
Acq: 14 May 2020 14:32

Tgt Ion: 50 Resp: 604887

Ion Ratio Lower Upper

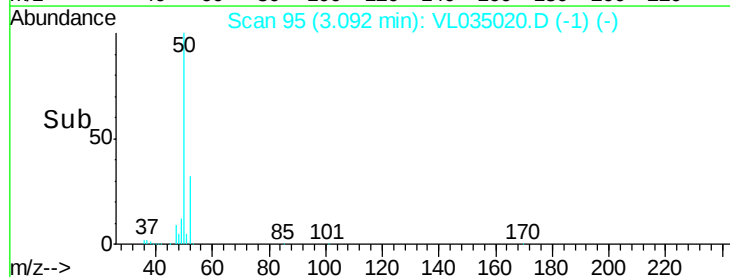
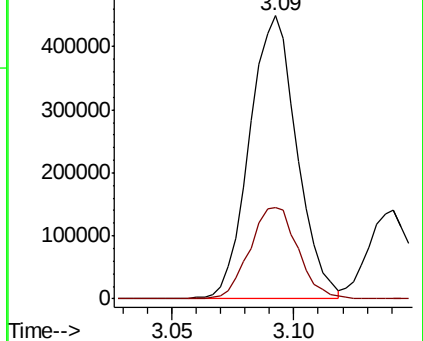
50 100

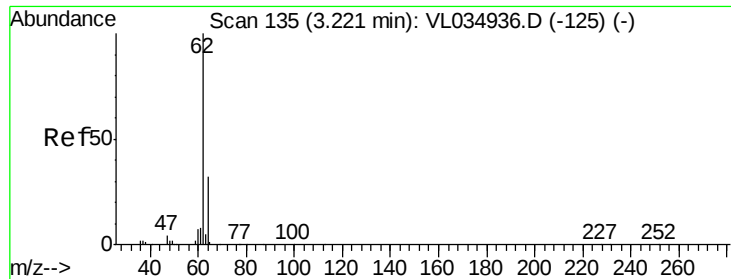
52 32.3 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.084 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

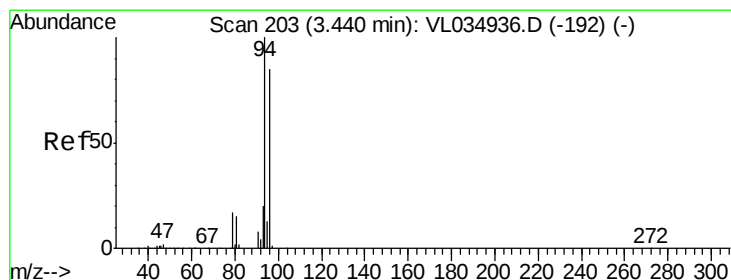
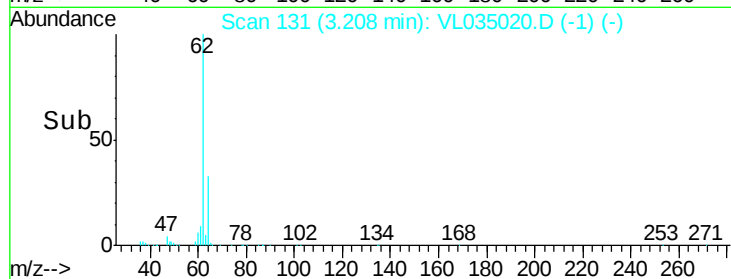
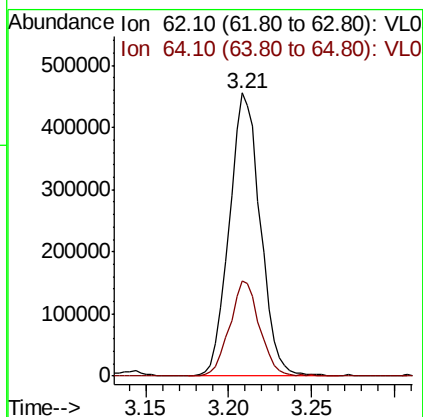
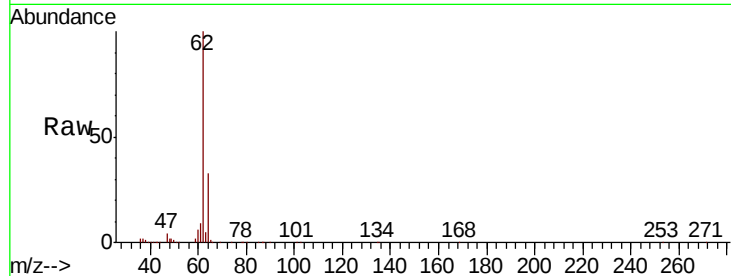
ClientSampled :

Tot Ion: 62 Resp: 593595

Ion Ratio Lower Upper

62 100

64 33.4 25.7 38.5



#6

Bromomethane

Concen: 9.196 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.01 min

Lab File: VL035020.D

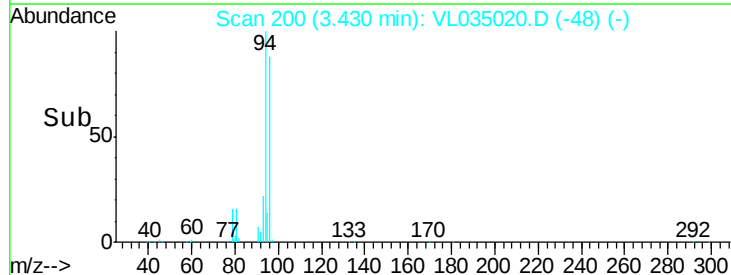
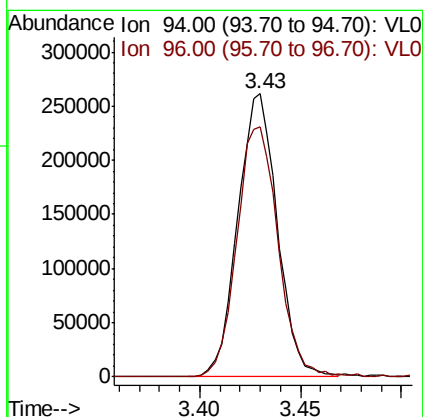
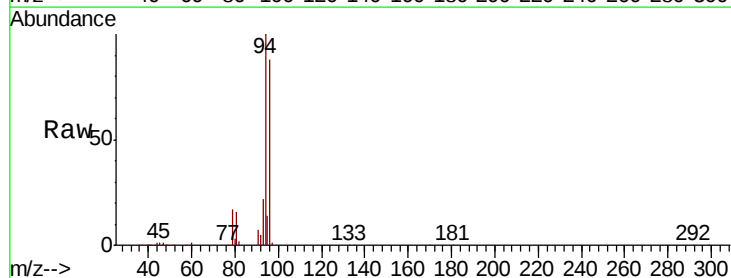
Acq: 14 May 2020 14:32

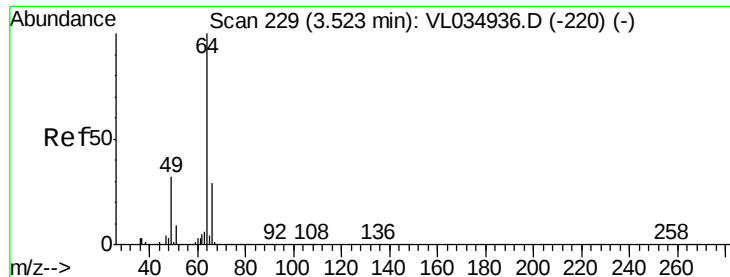
Tgt Ion: 94 Resp: 358807

Ion Ratio Lower Upper

94 100

96 88.2 67.9 101.9





#7

Chloroethane

Concen: 9.313 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

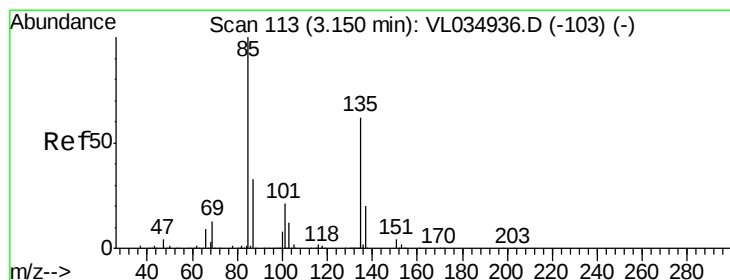
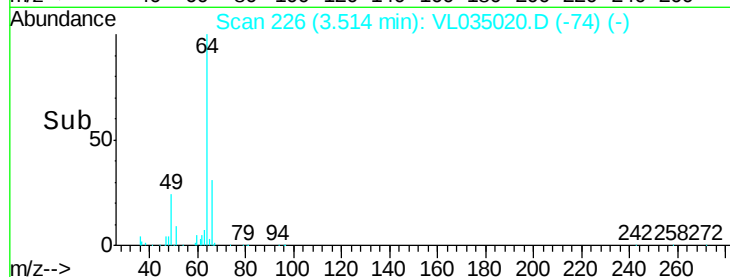
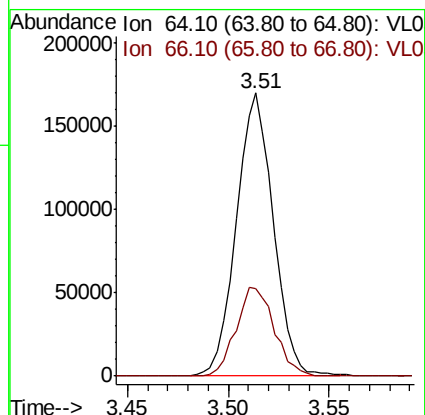
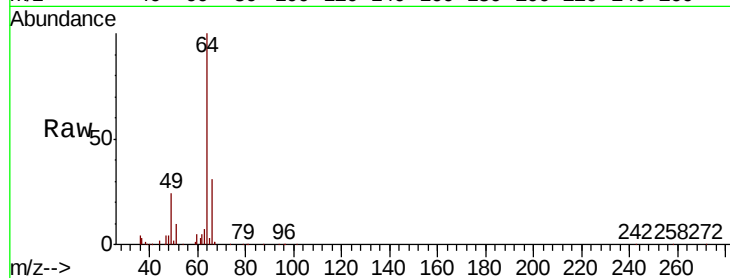
ClientSampleId :

Tot Ion: 64 Resp: 218564

Ion Ratio Lower Upper

64 100

66 31.6 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 9.021 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL035020.D

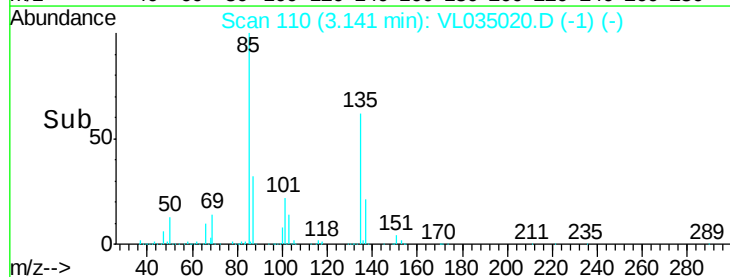
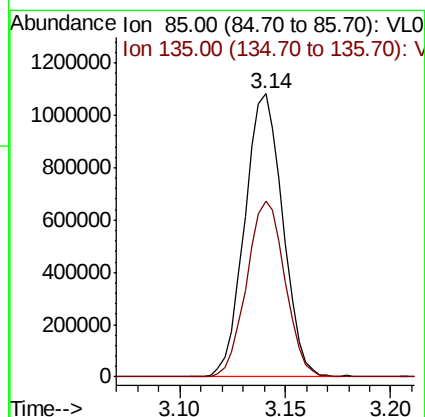
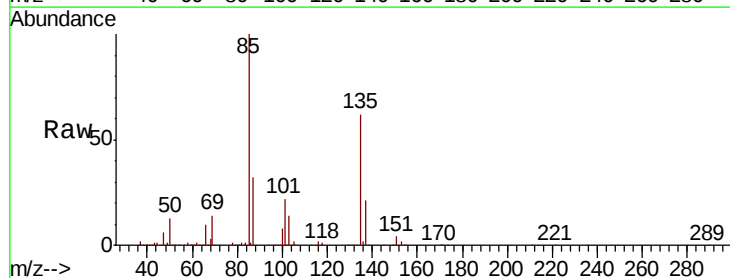
Acq: 14 May 2020 14:32

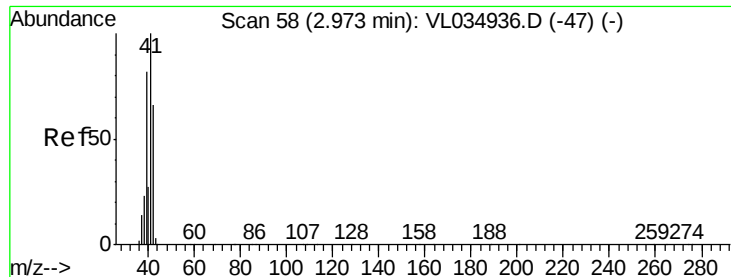
Tgt Ion: 85 Resp: 1356517

Ion Ratio Lower Upper

85 100

135 62.7 50.9 76.3





#9

Propene

Concen: 8.861 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

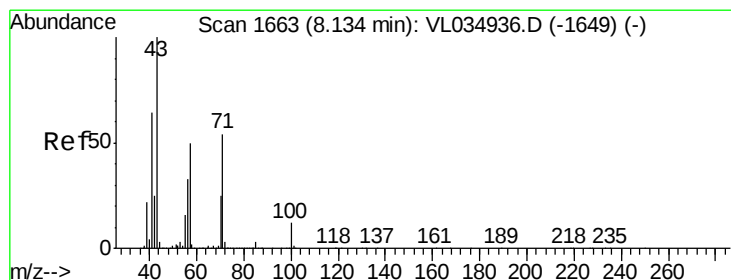
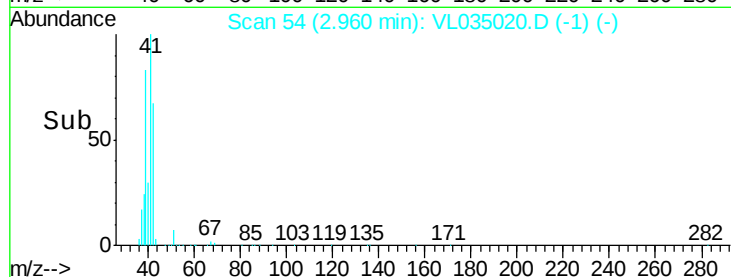
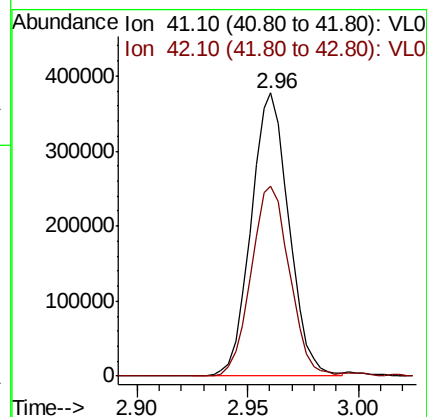
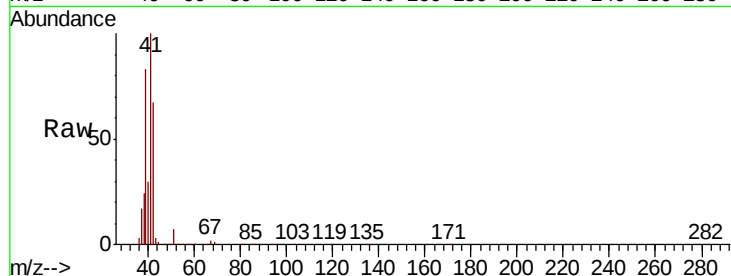
ClientSampleId :

Tot Ion: 41 Resp: 449456

Ion Ratio Lower Upper

41 100

42 69.0 54.5 81.7



#10

Heptane

Concen: 9.717 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035020.D

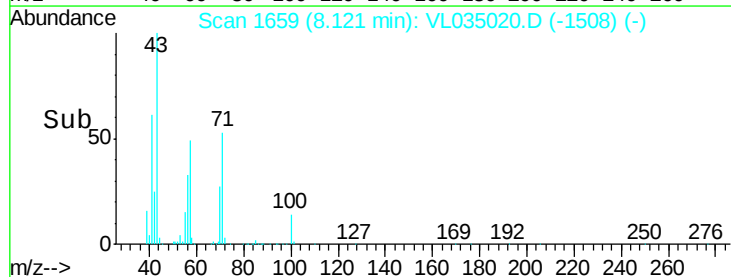
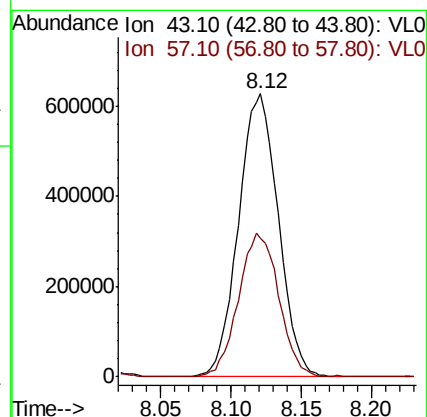
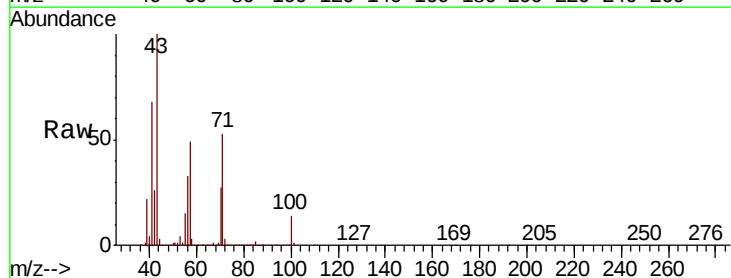
Acq: 14 May 2020 14:32

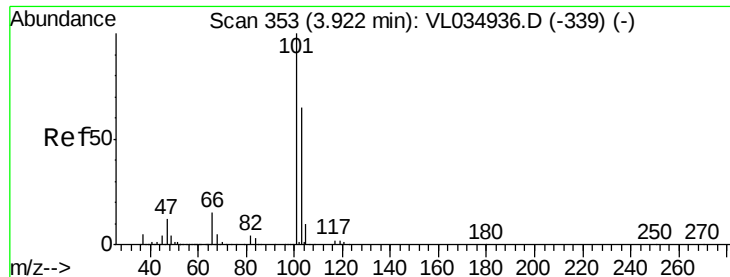
Tgt Ion: 43 Resp: 1234719

Ion Ratio Lower Upper

43 100

57 51.9 41.1 61.7

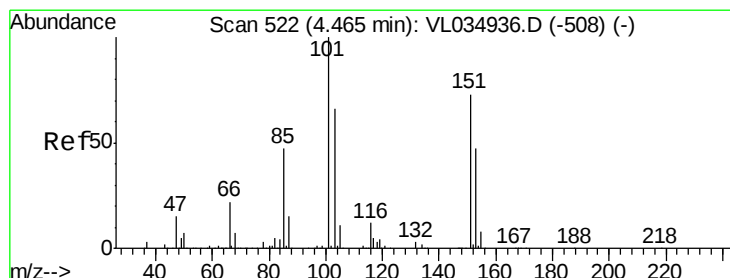
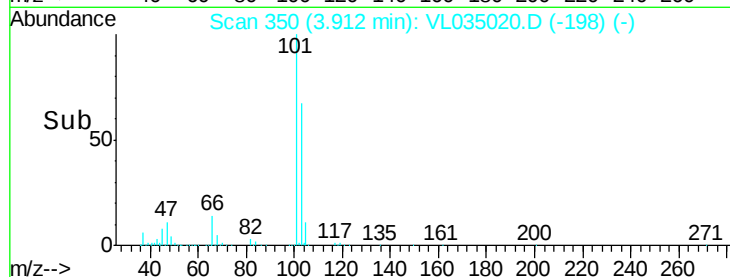
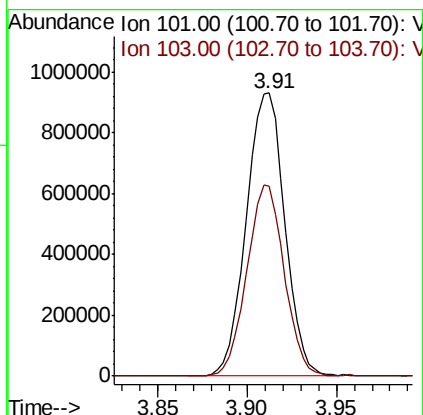
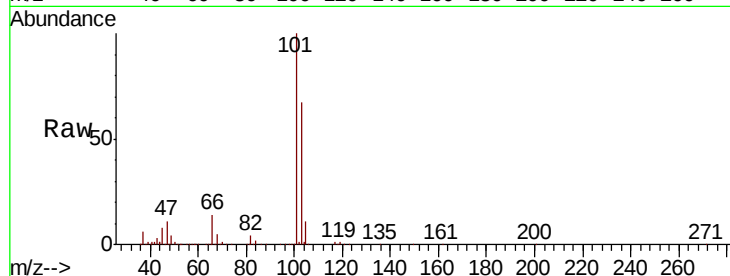




#11
 Trichlorofluoromethane
 Concen: 9.377 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

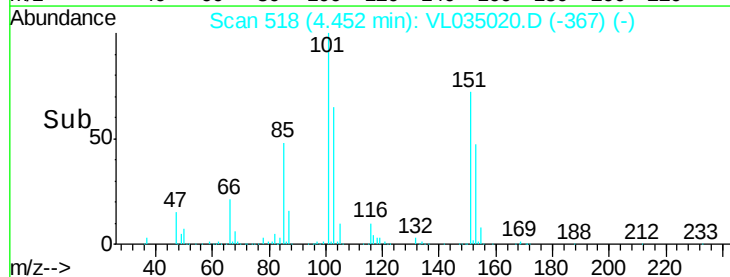
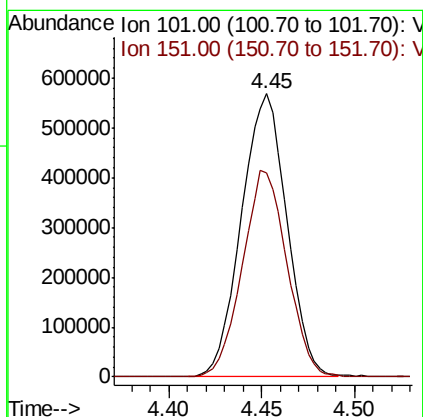
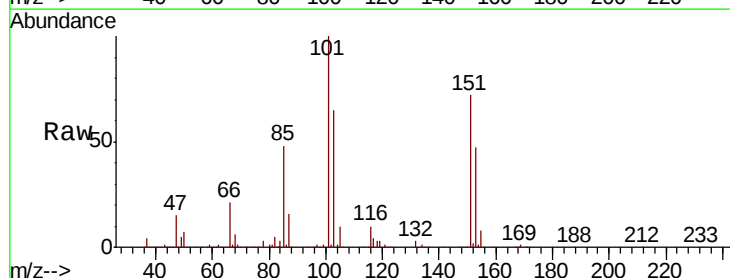
Instrument :
 MSVOA_L
 ClientSampleId :

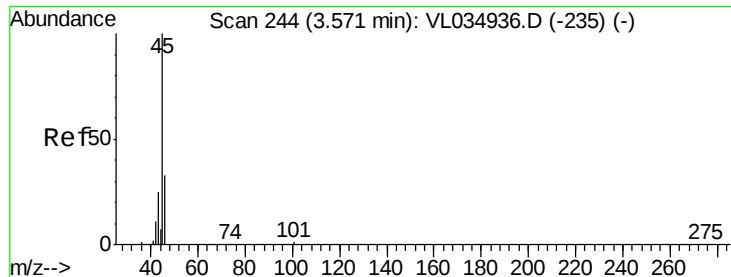
Tot Ion:101 Resp: 1404956
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.041 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion:101 Resp: 964486
 Ion Ratio Lower Upper
 101 100
 151 71.8 57.6 86.4

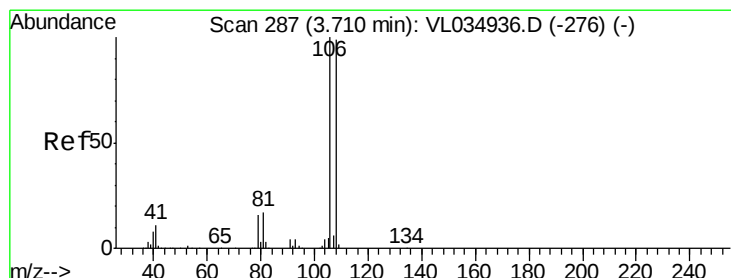
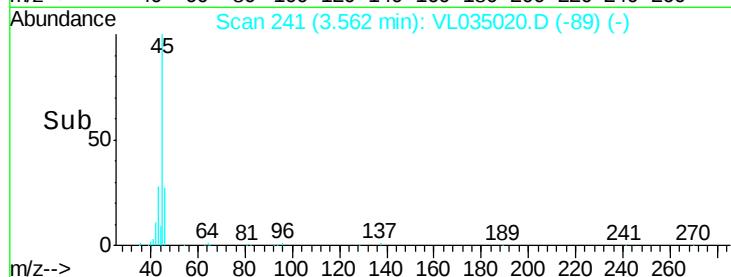
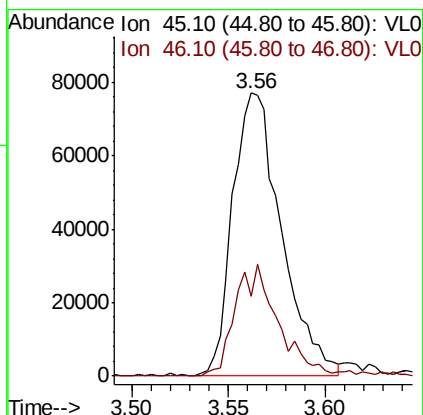
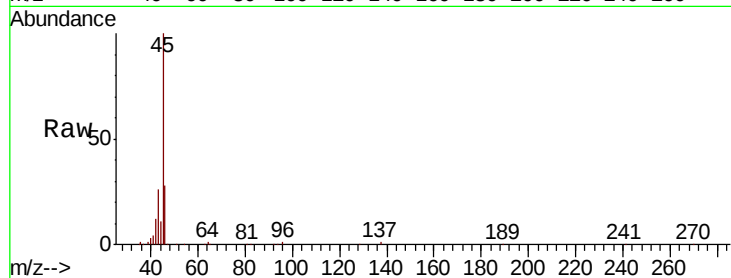




#13
Ethanol
Concen: 8.076 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

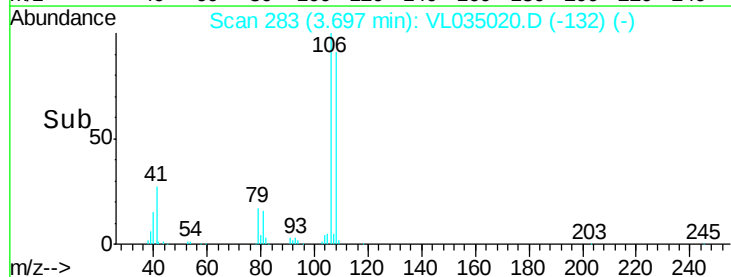
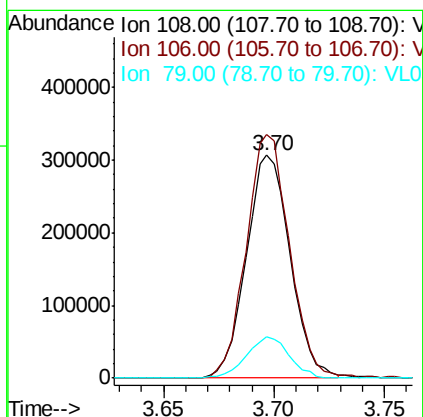
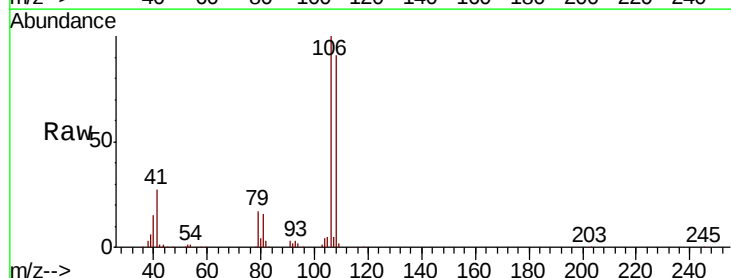
Instrument :
MSVOA_L
ClientSampleId :

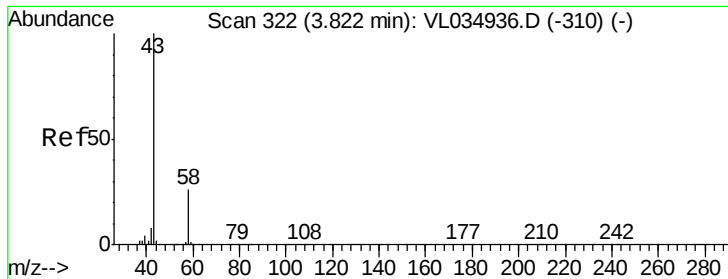
Tot Ion: 45 Resp: 135162
Ion Ratio Lower Upper
45 100
46 35.6 14.3 57.3



#14
Bromoethene
Concen: 9.627 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 108 Resp: 424424
Ion Ratio Lower Upper
108 100
106 108.8 84.9 127.3
79 18.6 14.1 21.1





#15

Acetone

Concen: 8.230 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

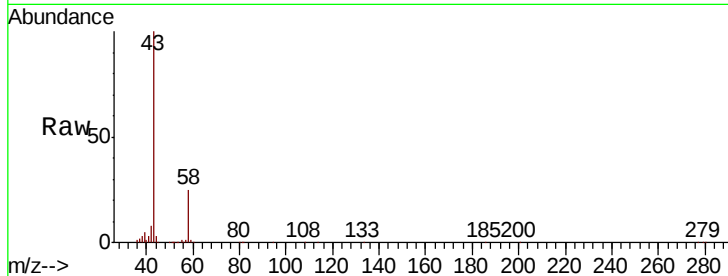
ClientSampleId :

Tot Ion: 43 Resp: 1113982

Ion Ratio Lower Upper

43 100

58 25.8 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

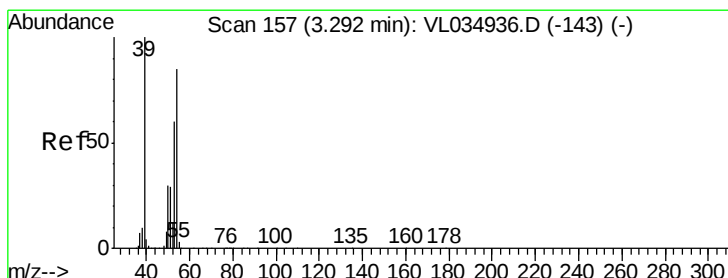
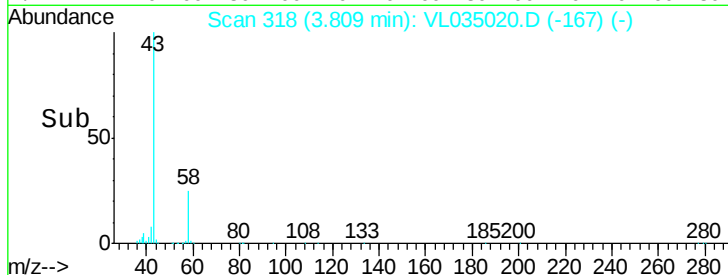
400000

200000

0

3.75 3.80 3.85

Time-->



#16

1,3-Butadiene

Concen: 9.345 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.01 min

Lab File: VL035020.D

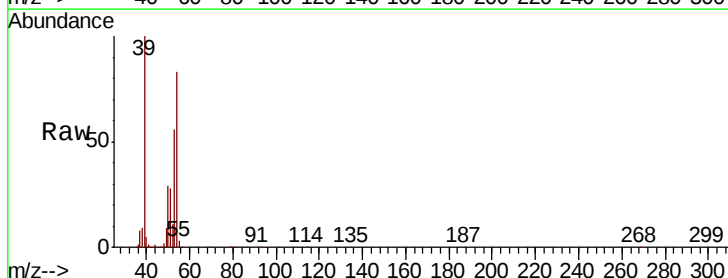
Acq: 14 May 2020 14:32

Tgt Ion: 39 Resp: 544288

Ion Ratio Lower Upper

39 100

54 82.4 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

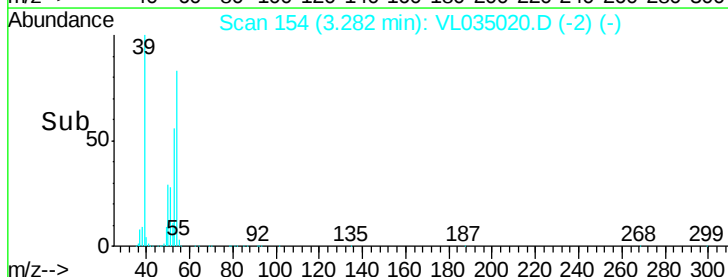
200000

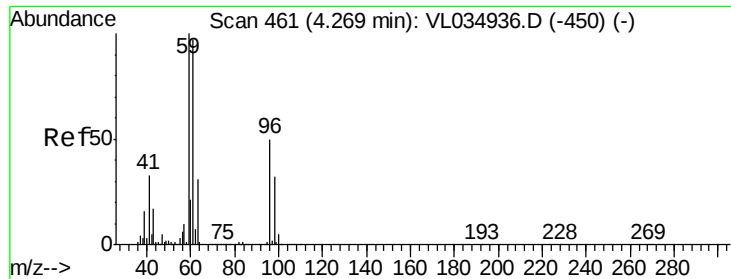
100000

0

3.20 3.25 3.30

Time-->





#17

tert-Butyl alcohol

Concen: 9.032 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

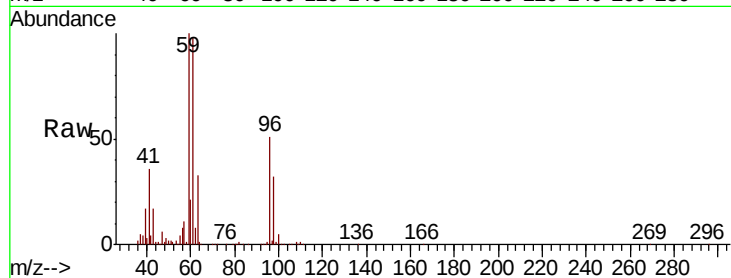
ClientSampleId :

Tot Ion: 59 Resp: 1087668

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

600000

500000

400000

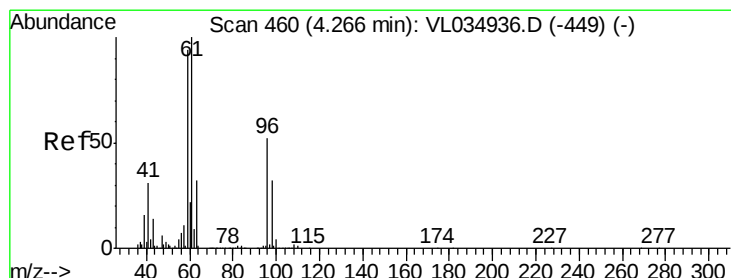
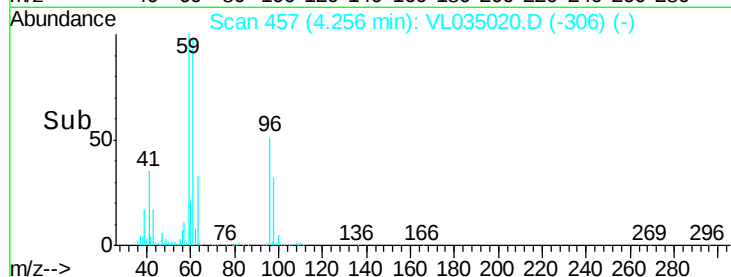
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.887 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

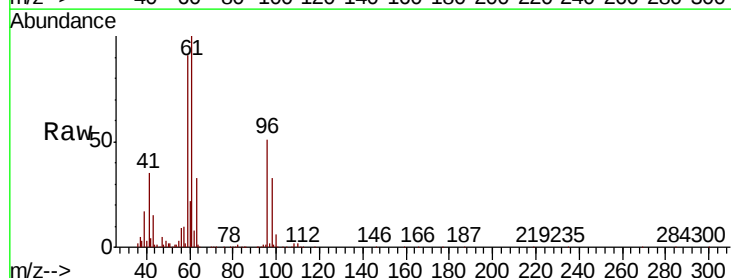
Tgt Ion: 96 Resp: 457588

Ion Ratio Lower Upper

96 100

61 194.8 152.4 228.6

98 63.9 48.8 73.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

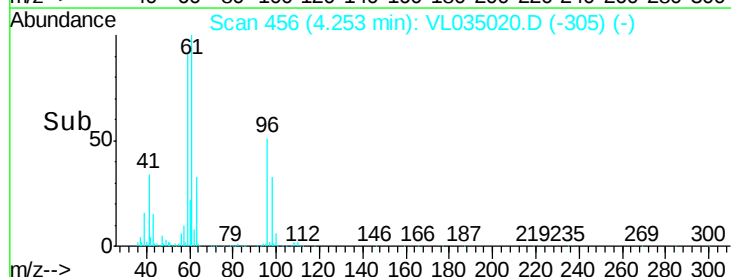
600000

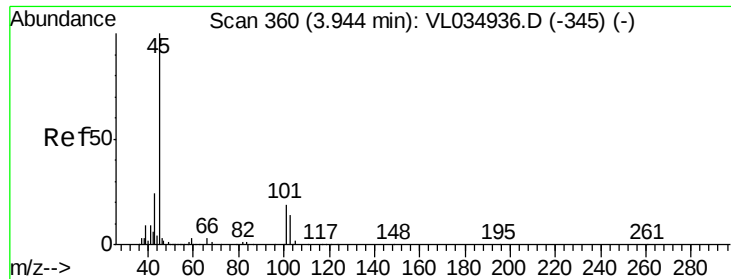
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.898 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

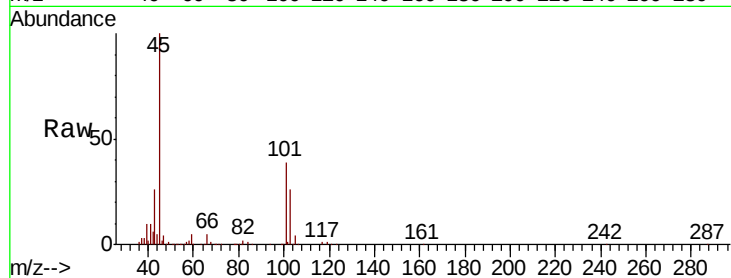
ClientSampled :

Tot Ion: 45 Resp: 803177

Ion Ratio Lower Upper

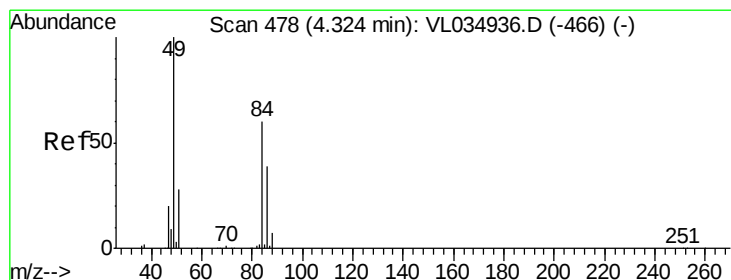
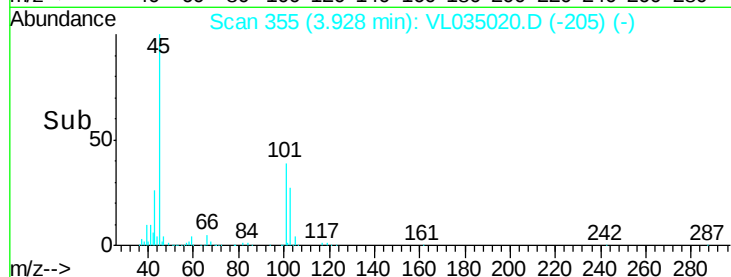
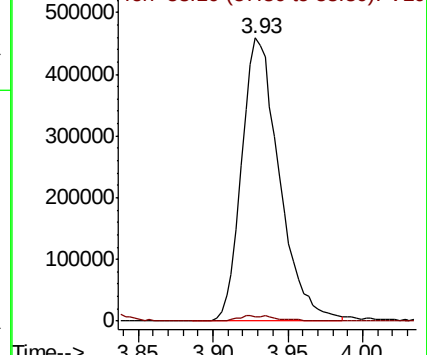
45 100

58 2.3 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.963 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion: 84 Resp: 401565

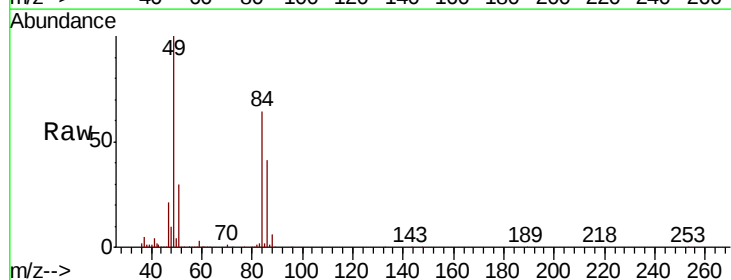
Ion Ratio Lower Upper

84 100

49 154.8 132.5 198.7

51 46.6 38.4 57.6

86 63.4 51.2 76.8

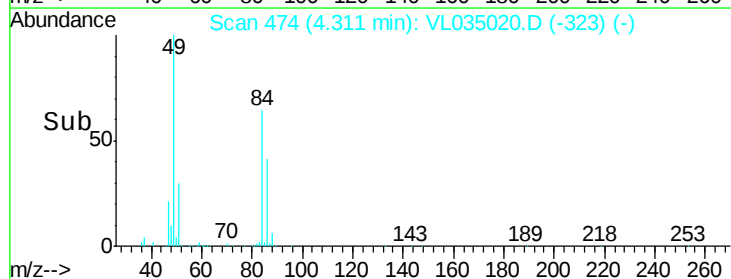
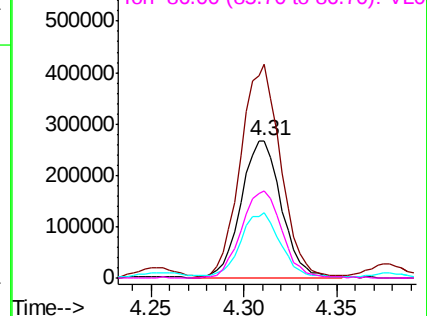


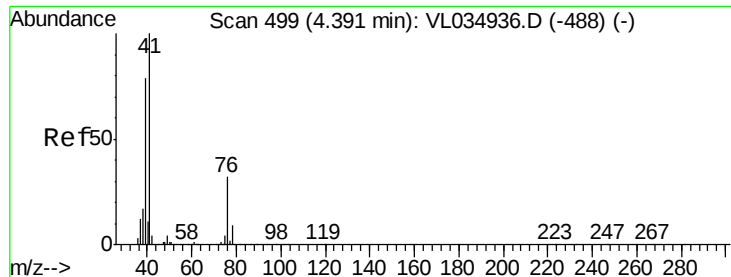
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 10.084 ppbv

RT: 4.38 min Scan# 495

Delta R.T. -0.01 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

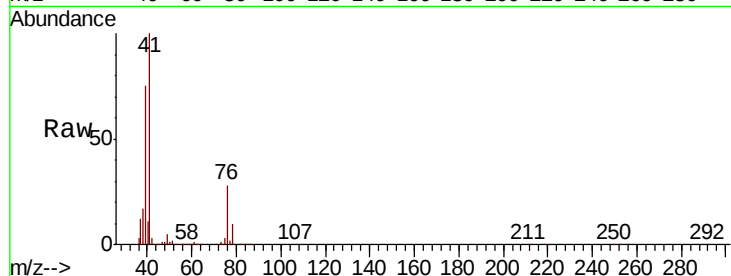
Tot Ion: 41 Resp: 770957

Ion Ratio Lower Upper

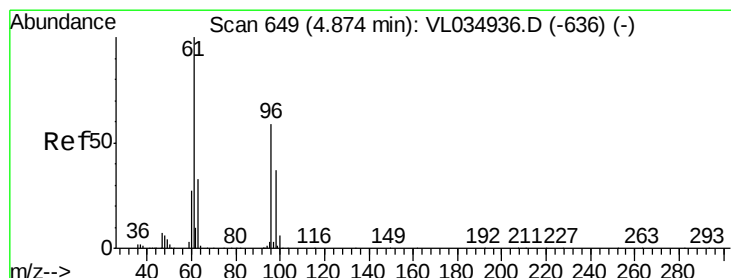
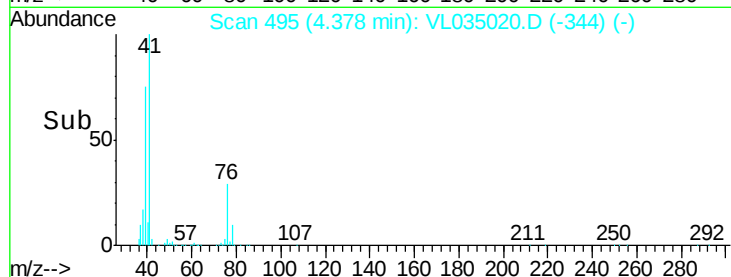
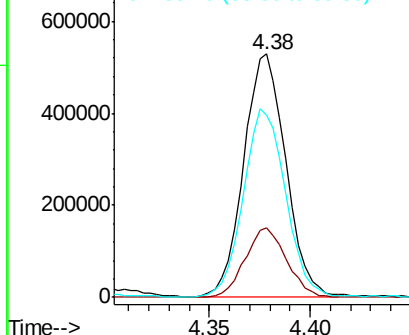
41 100

76 28.4 23.6 35.4

39 78.4 61.9 92.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.812 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

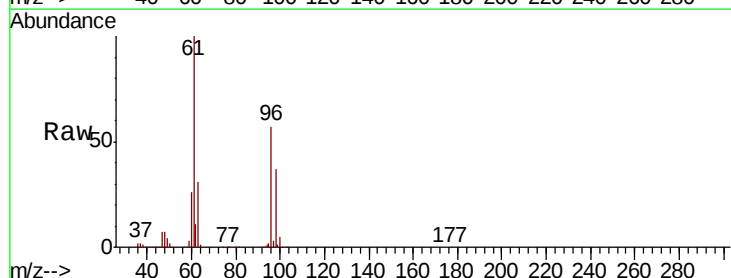
Tgt Ion: 96 Resp: 449846

Ion Ratio Lower Upper

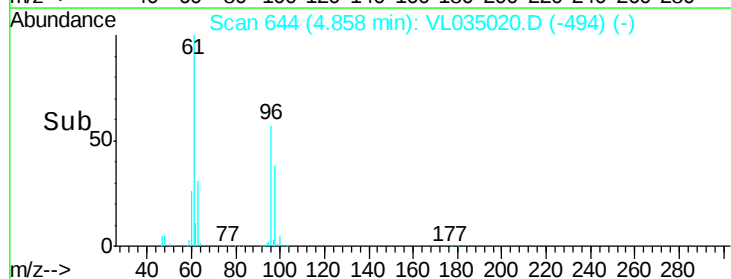
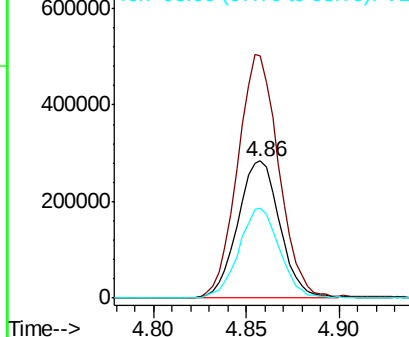
96 100

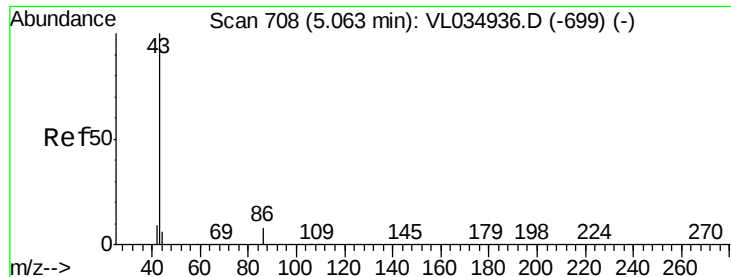
61 176.8 135.3 202.9

98 65.9 50.4 75.6



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





#23

Vinyl Acetate

Concen: 9.727 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.02 min

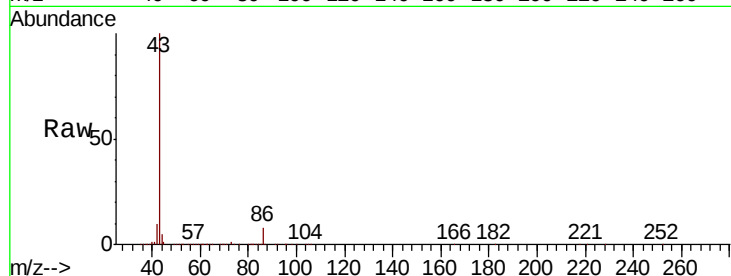
Lab File: VL035020.D

Acq: 14 May 2020 14:32

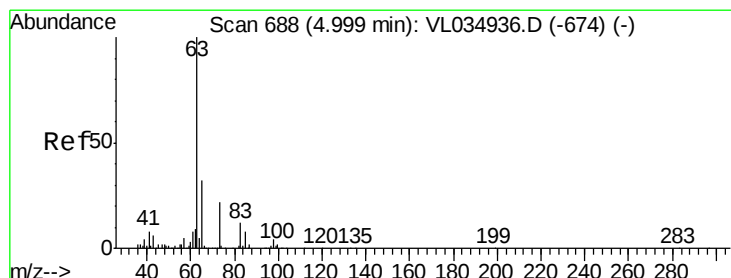
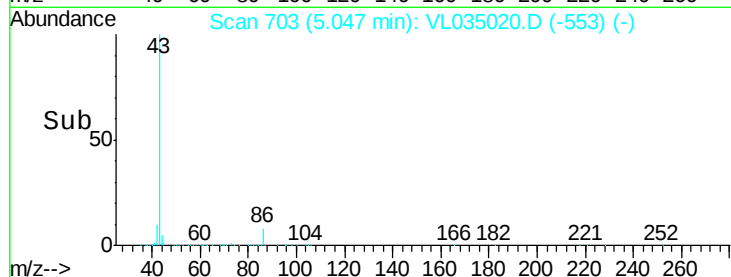
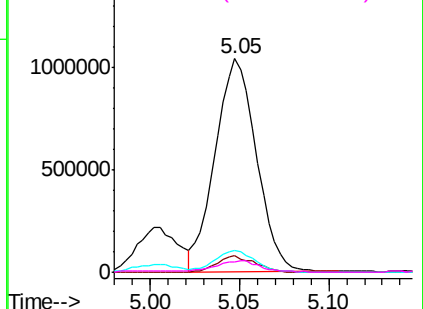
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1669419

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	10.1	8.0	12.0
44	4.7	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: 9.176 ppbv

RT: 4.98 min Scan# 683

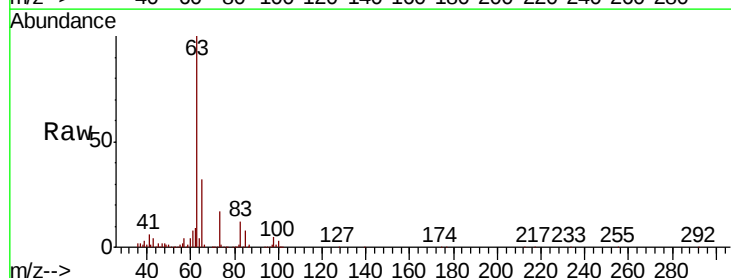
Delta R.T. -0.02 min

Lab File: VL035020.D

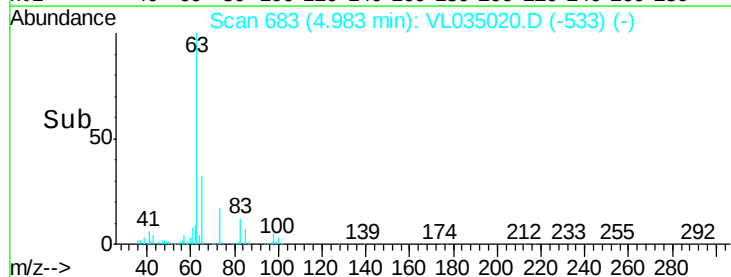
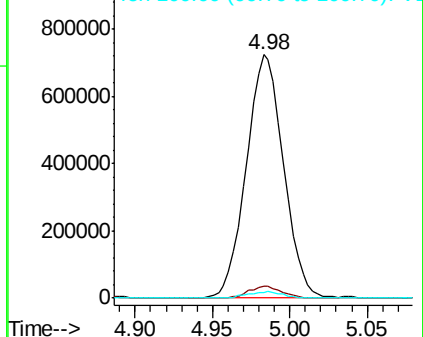
Acq: 14 May 2020 14:32

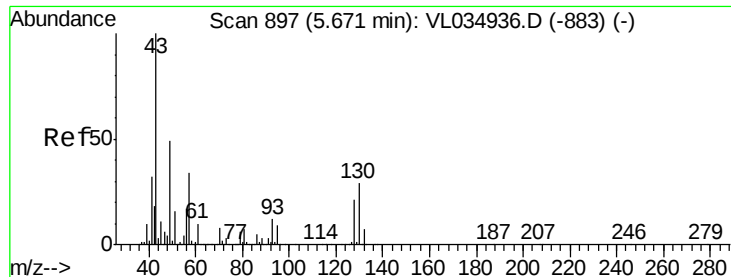
Tgt Ion: 63 Resp: 1213020

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.0	6.0
100	2.5	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



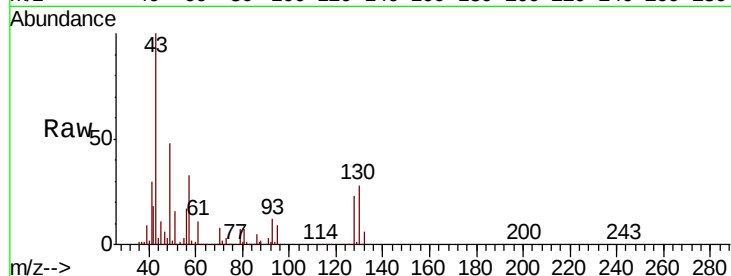


#25
Ethyl Acetate
Concen: 9.432 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2144452

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	9.3	7.8	11.8
70	7.5	6.0	9.0



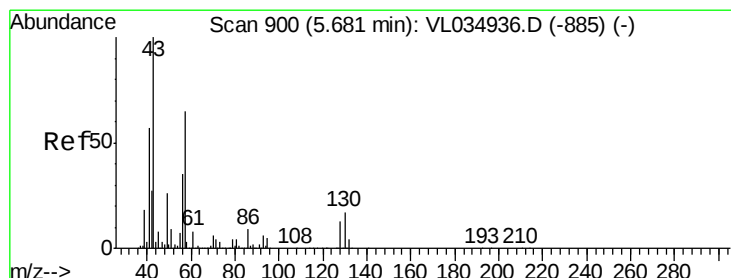
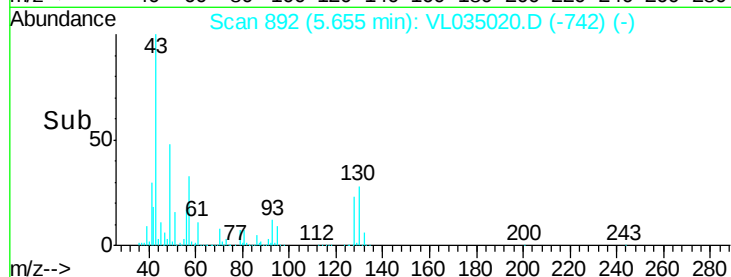
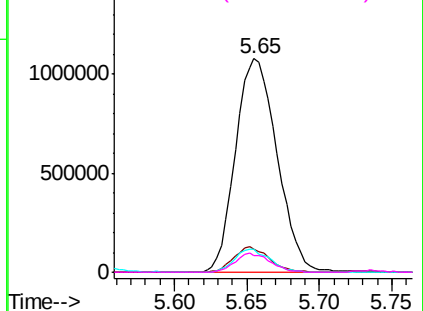
Abundance

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

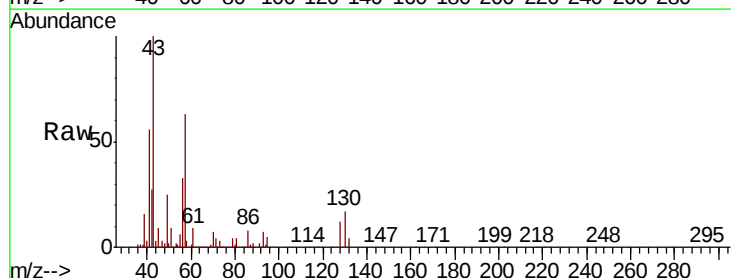
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.508 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 57 Resp: 937128

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.7	109.1
43	230.2	182.1	273.1
56	53.0	42.2	63.2



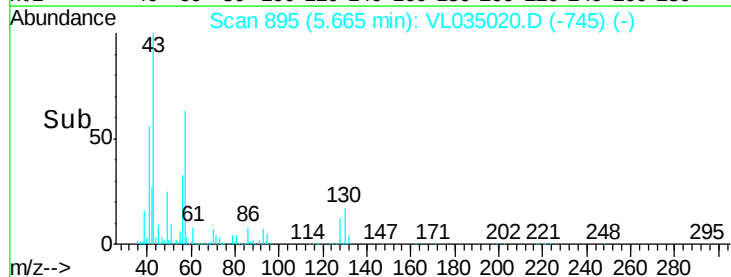
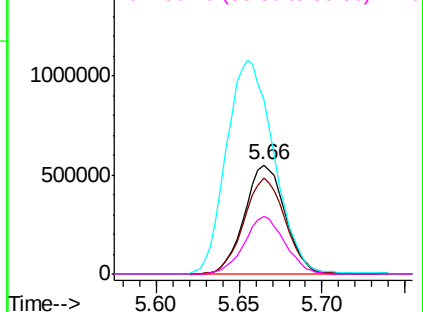
Abundance

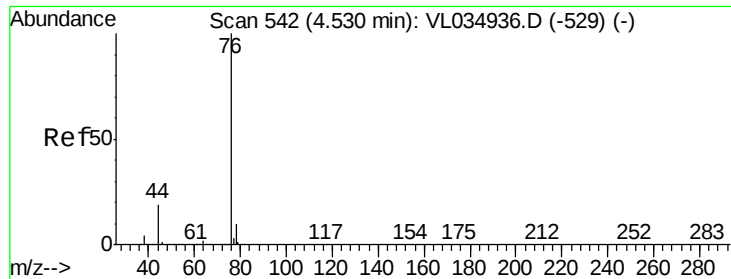
Ion 57.10 (56.80 to 57.80): VL0

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

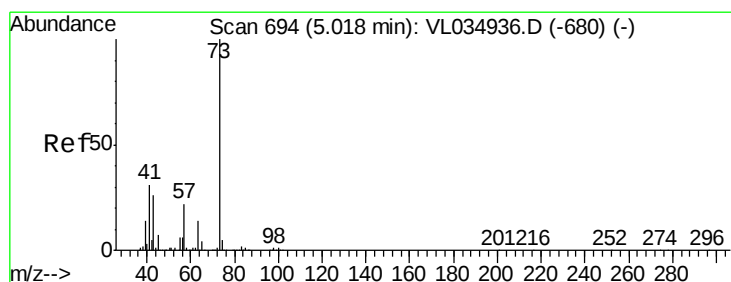
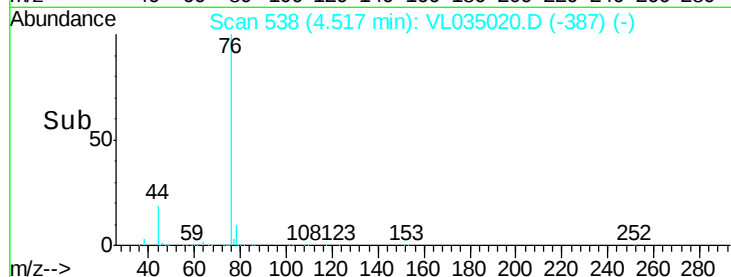
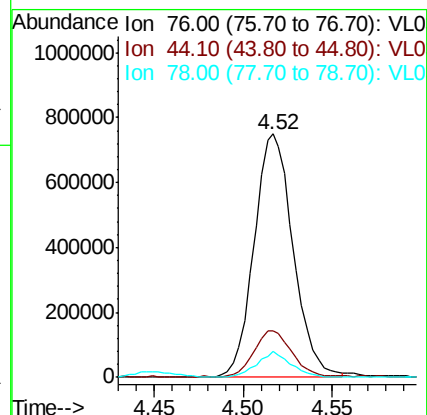
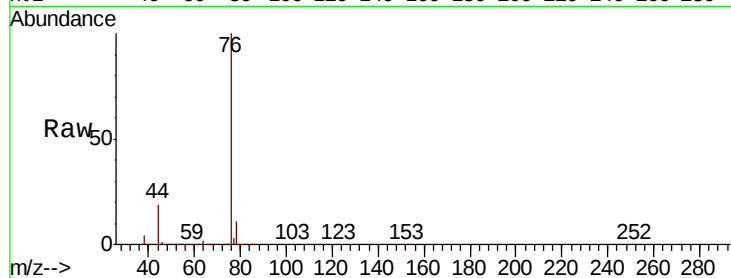




#27
Carbon Disulfide
Concen: 9.883 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

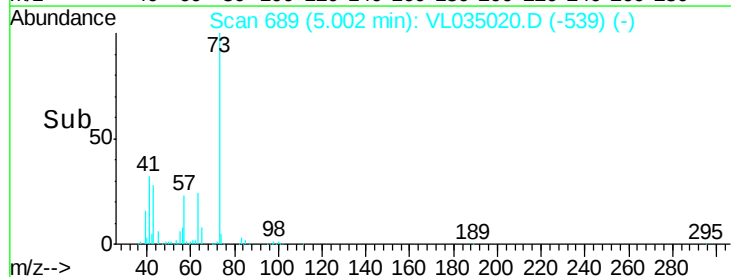
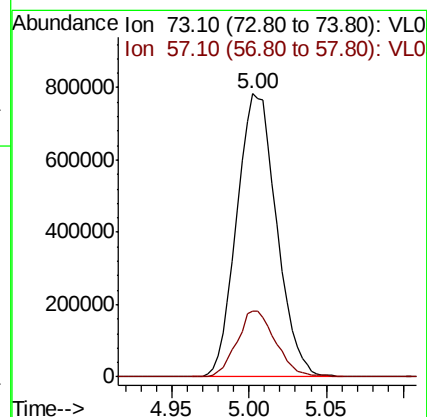
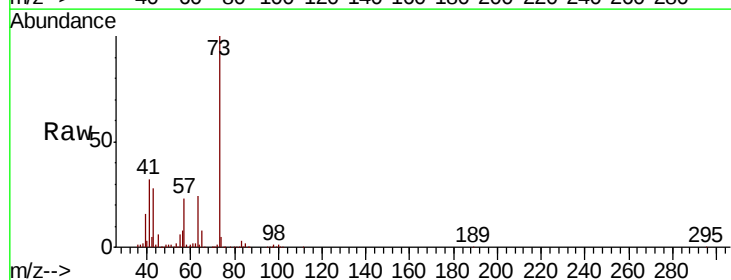
Instrument :
MSVOA_L
ClientSampleId :

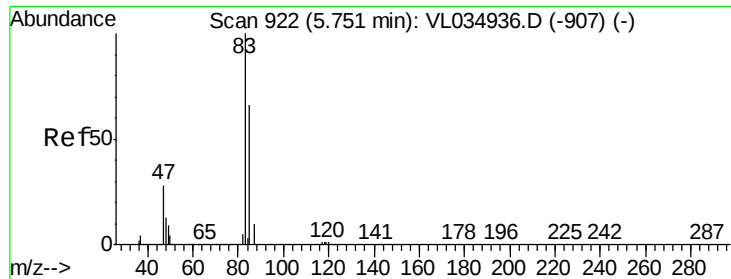
Tot Ion: 76 Resp: 1148165
Ion Ratio Lower Upper
76 100
44 18.9 15.2 22.8
78 9.3 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 9.341 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 73 Resp: 1402162
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

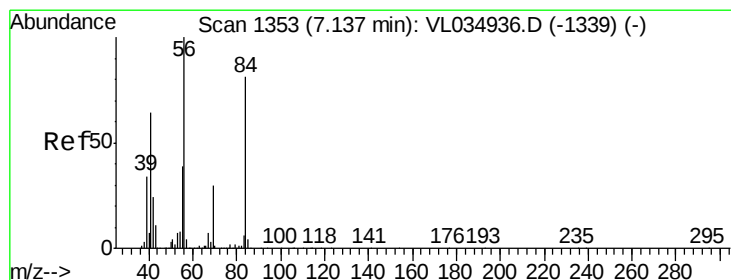
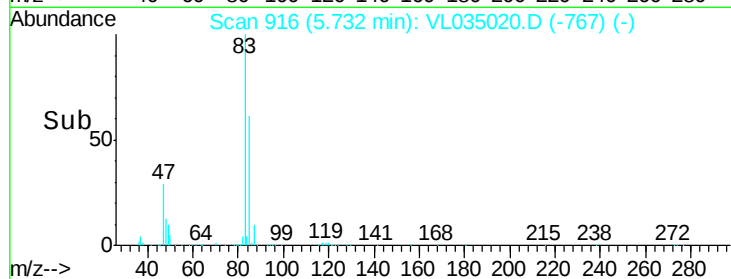
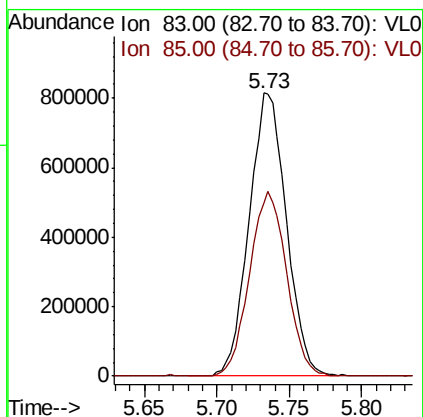
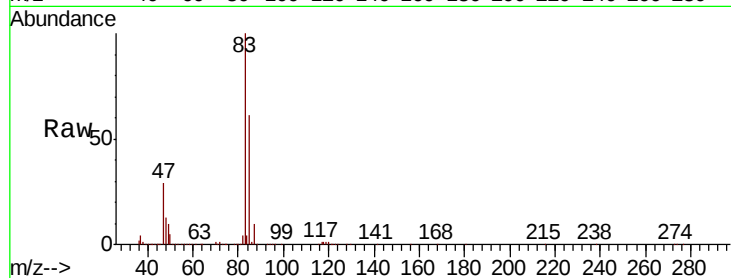




#29
Chloroform
Concen: 9.057 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

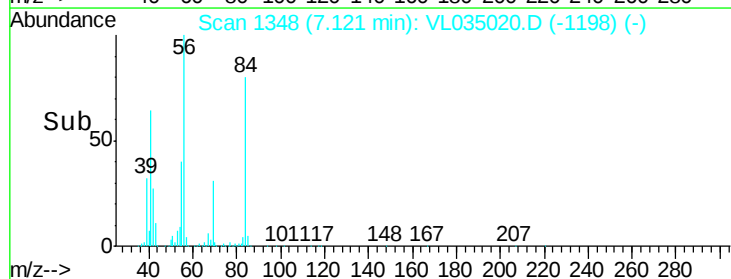
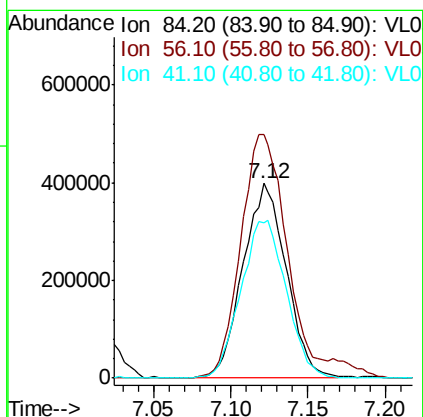
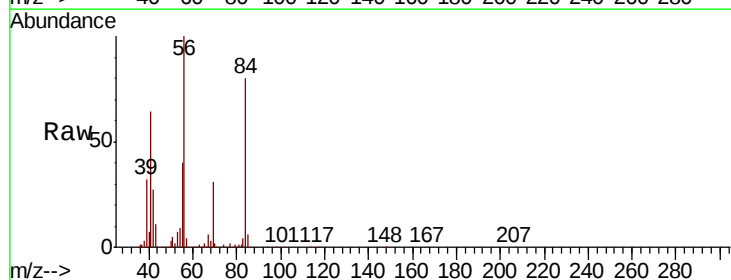
Instrument :
MSVOA_L
ClientSampleId :

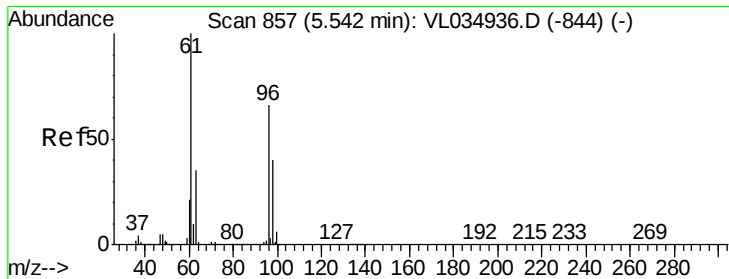
Tot Ion: 83 Resp: 1460665
Ion Ratio Lower Upper
83 100
85 61.0 53.0 79.6



#30
Cyclohexane
Concen: 10.200 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 84 Resp: 775787
Ion Ratio Lower Upper
84 100
56 138.4 111.4 167.2
41 85.1 66.7 100.1



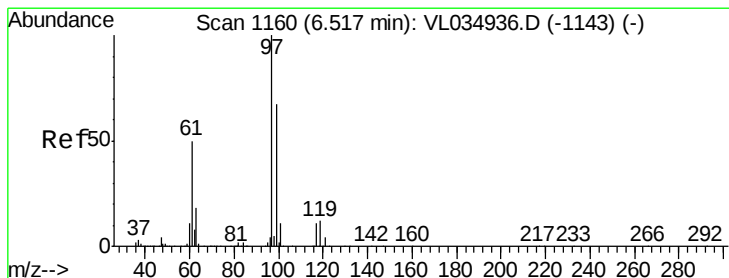
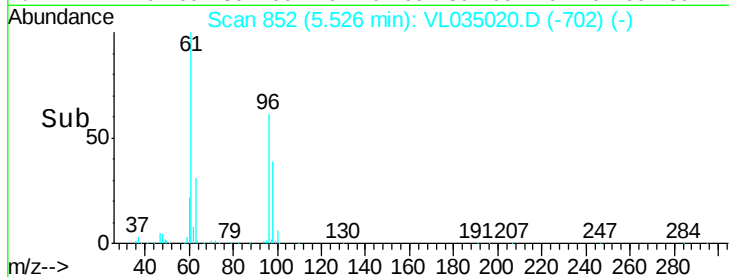
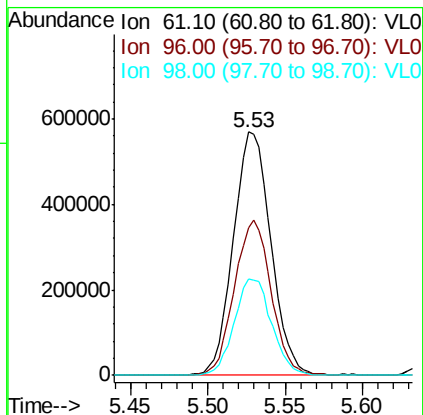
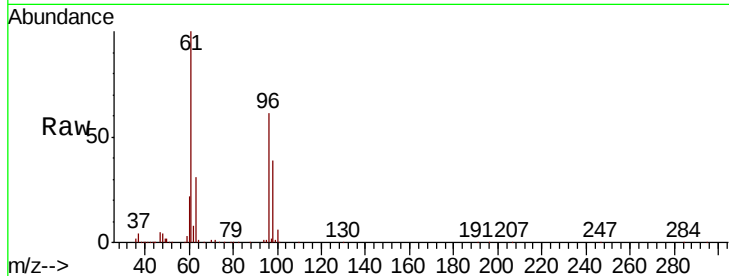


#31

cis-1,2-Dichloroethene
 Concen: 9.994 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :

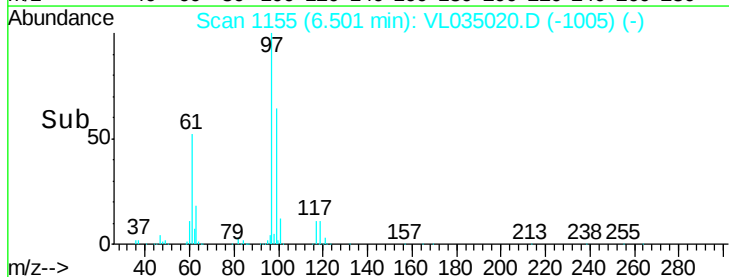
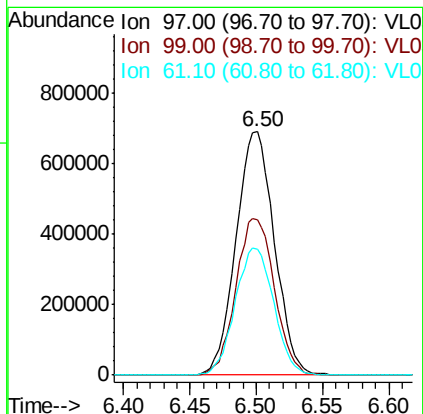
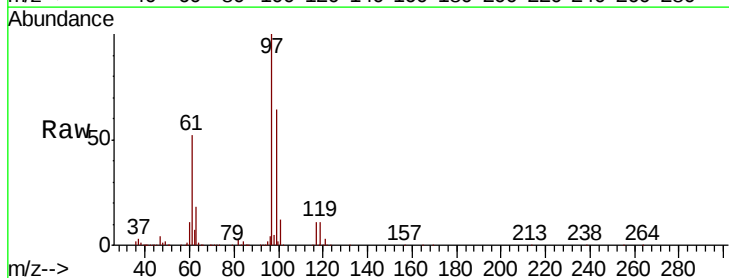
Tot Ion:	61	Resp:	961139
Ion	Ratio	Lower	Upper
61	100		
96	60.9	53.0	79.6
98	39.4	32.2	48.2

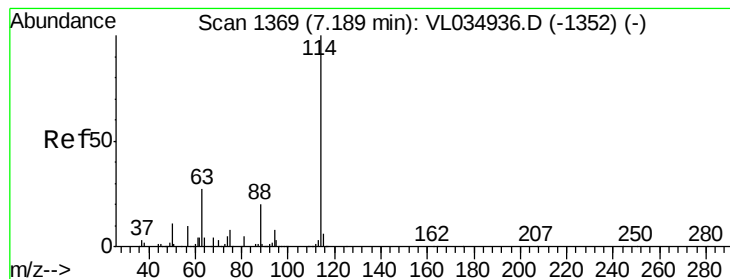


#32

1,1,1-Trichloroethane
 Concen: 9.549 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion:	97	Resp:	1390666
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	52.6	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: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

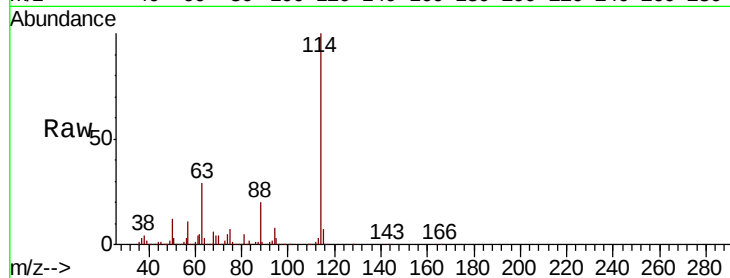
Tot Ion:114 Resp: 2388106

Ion Ratio Lower Upper

114 100

63 28.5 22.2 33.4

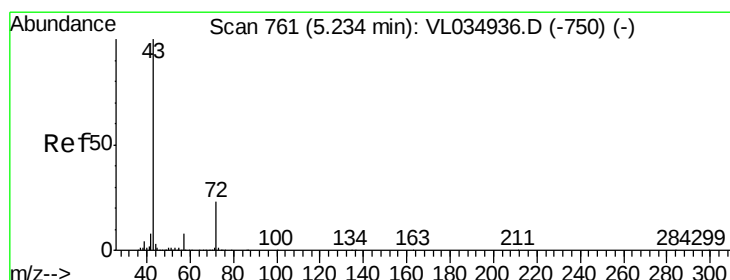
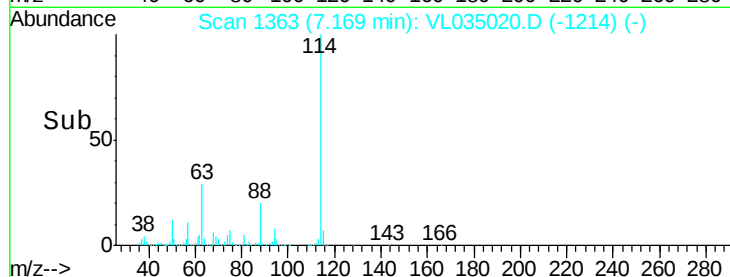
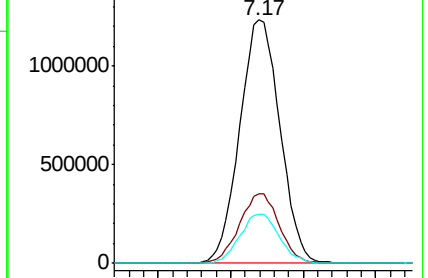
88 19.8 15.5 23.3



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.370 ppbv

RT: 5.22 min Scan# 756

Delta R.T. -0.02 min

Lab File: VL035020.D

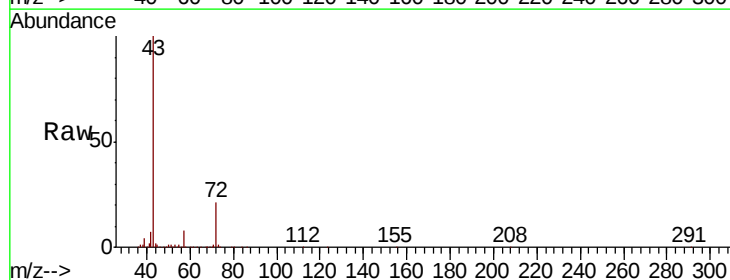
Acq: 14 May 2020 14:32

Tgt Ion: 43 Resp: 1390754

Ion Ratio Lower Upper

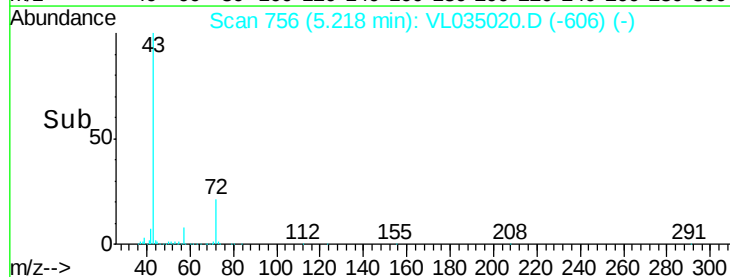
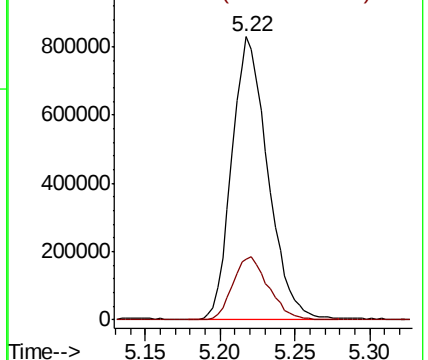
43 100

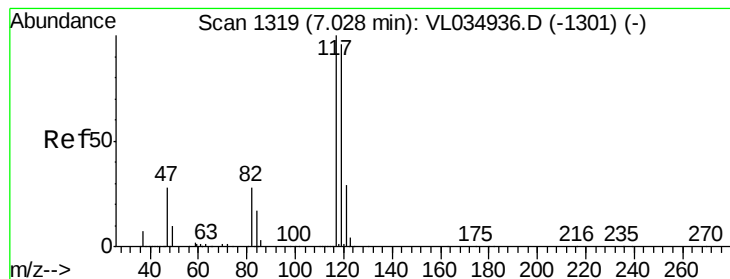
72 22.1 18.0 27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.429 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

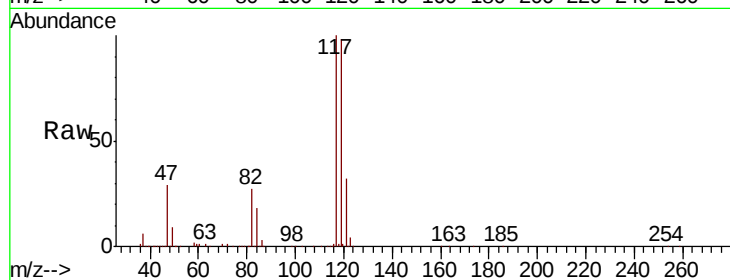
Tot Ion:117 Resp: 1421211

Ion Ratio Lower Upper

117 100

119 97.7 77.0 115.6

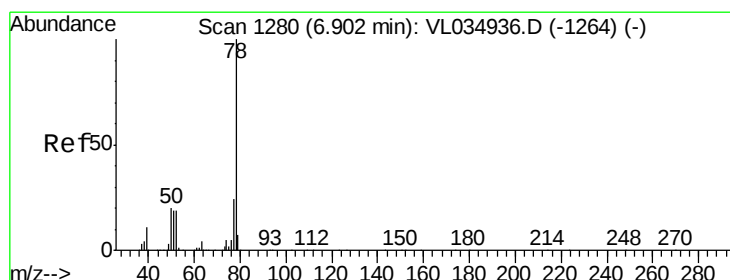
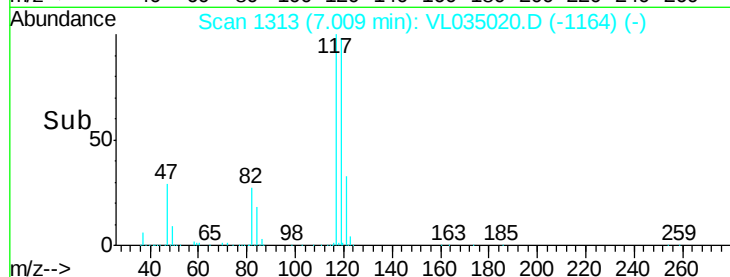
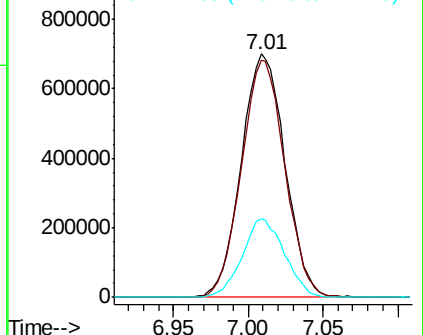
121 32.5 23.0 34.6



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: 9.473 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

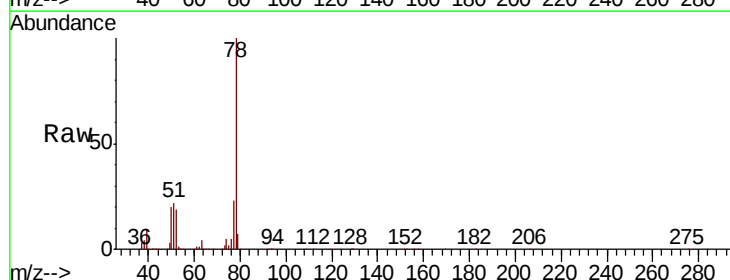
Tgt Ion: 78 Resp: 1865209

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6

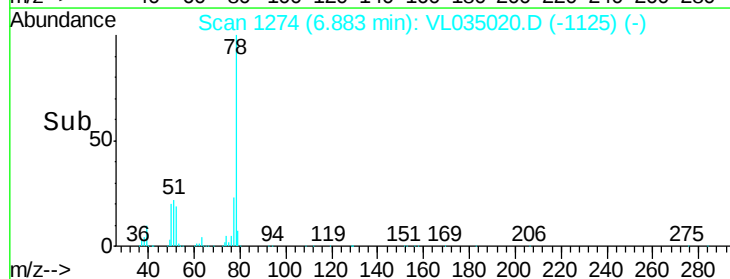
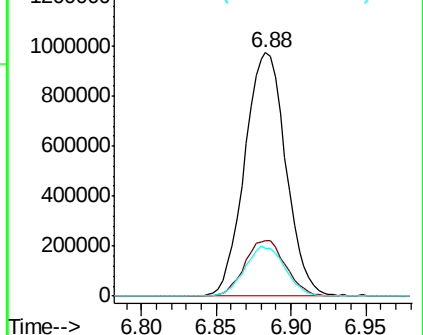
50 19.7 15.8 23.8

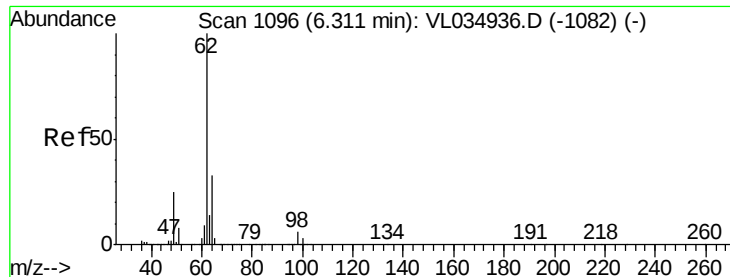


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.576 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

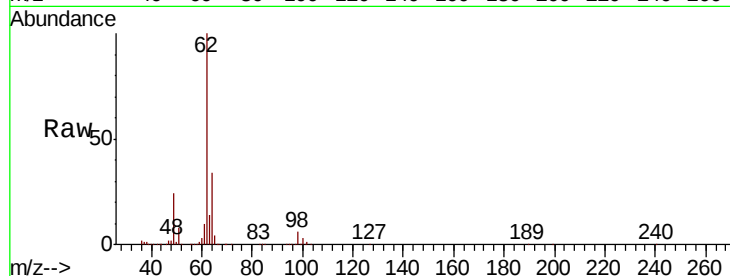
ClientSampleId :

Tot Ion: 62 Resp: 1163047

Ion Ratio Lower Upper

62 100

98 5.7 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

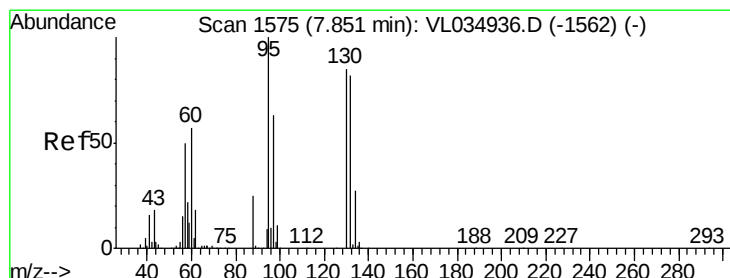
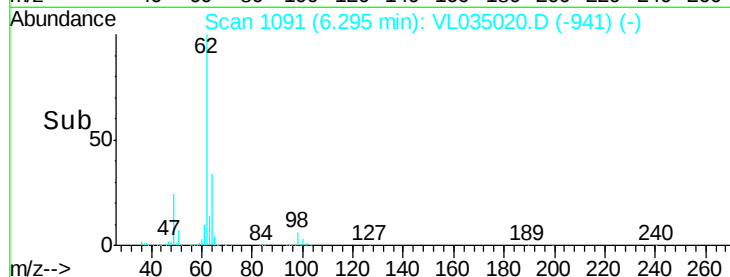
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35



#38

Trichloroethene

Concen: 9.364 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion: 130 Resp: 714256

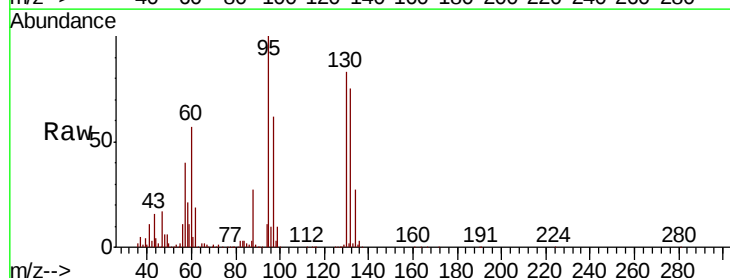
Ion Ratio Lower Upper

130 100

95 120.1 93.4 140.0

132 90.1 76.4 114.6

97 74.9 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

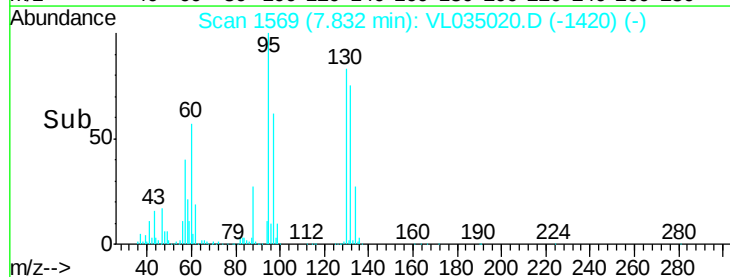
600000

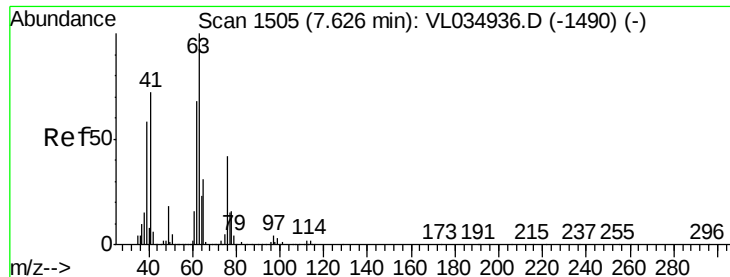
400000

200000

0

Time--> 7.75 7.80 7.85 7.90



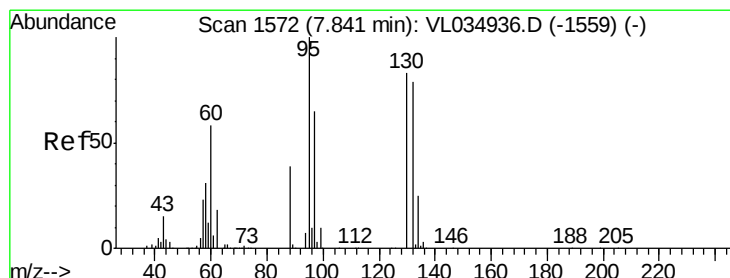
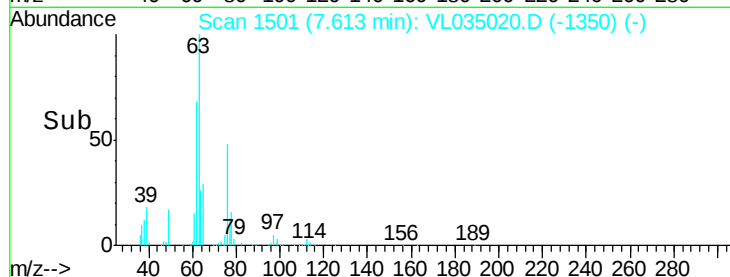
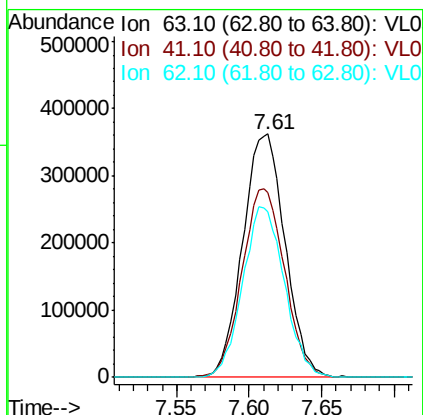
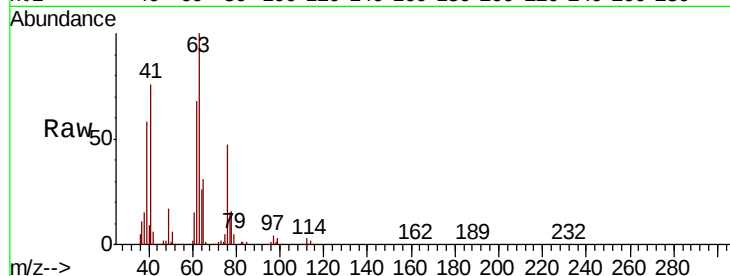


#39
 1,2-Dichloropropane
 Concen: 9.348 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 737786

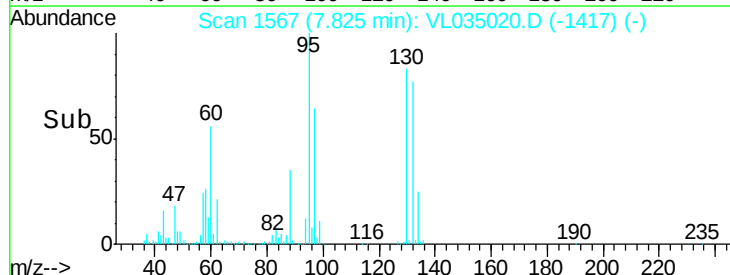
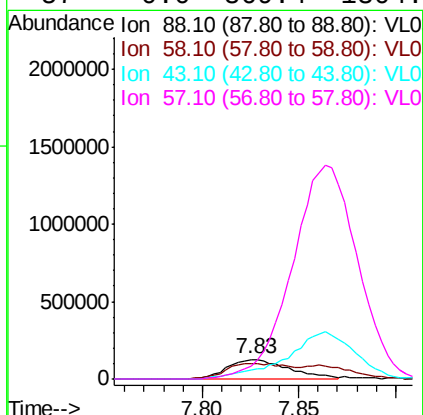
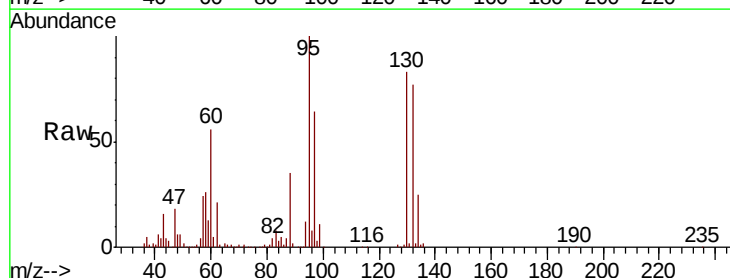
Ion	Ratio	Lower	Upper
63	100		
41	75.7	57.8	86.8
62	67.6	54.2	81.2

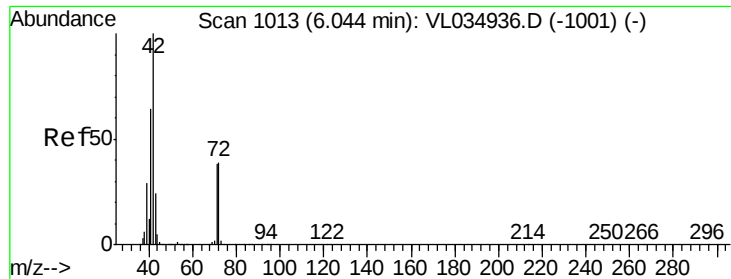


#40
 1,4-Dioxane
 Concen: 8.676 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion: 88 Resp: 278339

Ion	Ratio	Lower	Upper
88	100		
58	137.8	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





#41

Tetrahydrofuran

Concen: 9.940 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

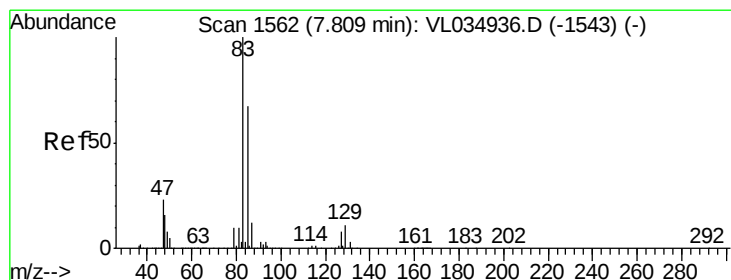
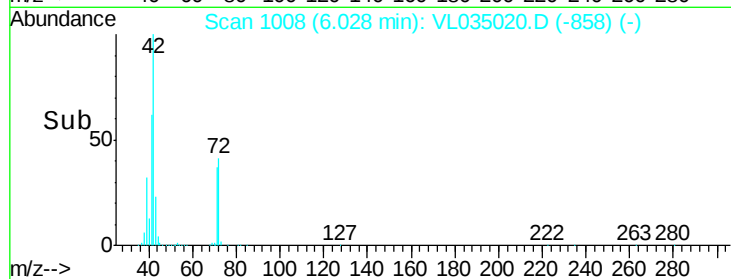
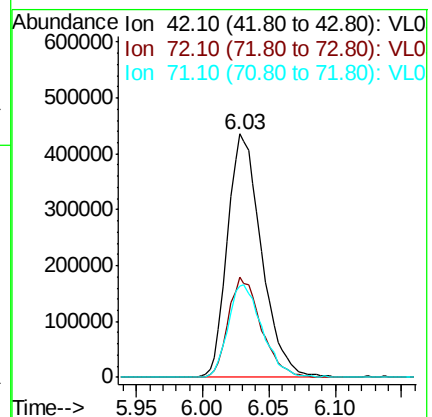
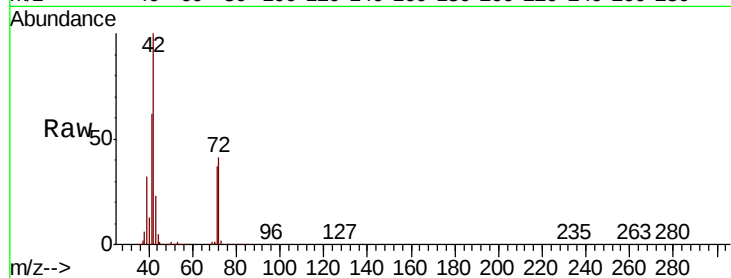
Tot Ion: 42 Resp: 776759

Ion Ratio Lower Upper

42 100

72 39.9 31.4 47.0

71 38.3 29.8 44.8



#42

Bromodichloromethane

Concen: 9.582 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

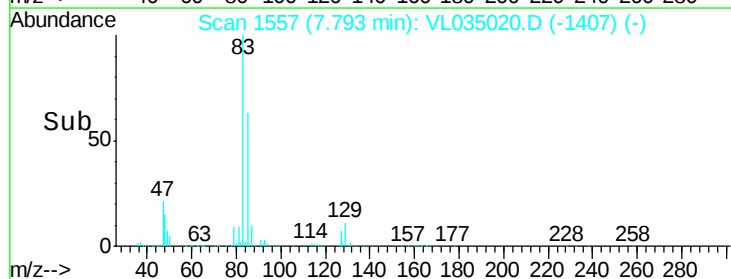
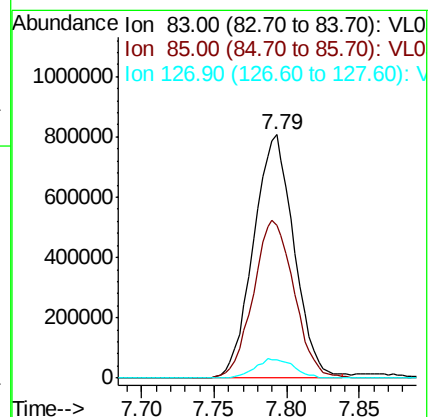
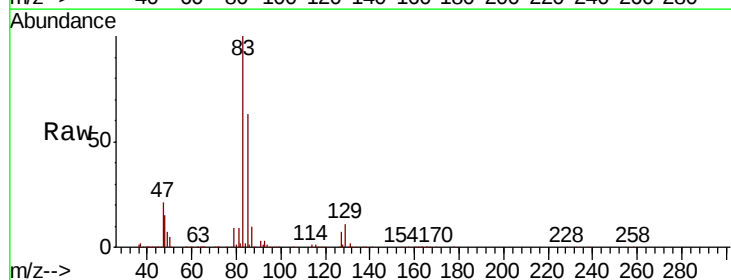
Tgt Ion: 83 Resp: 1569462

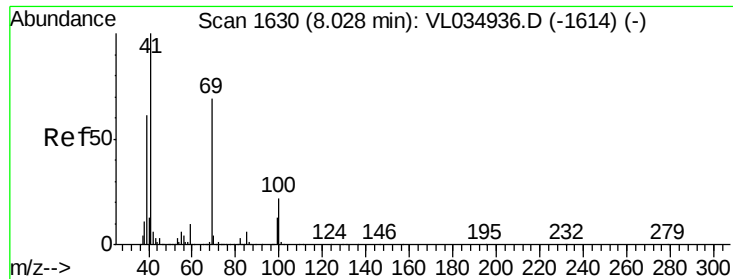
Ion Ratio Lower Upper

83 100

85 62.8 53.4 80.0

127 7.3 6.1 9.1





#43

Methyl Methacrylate

Concen: 10.335 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.02 min

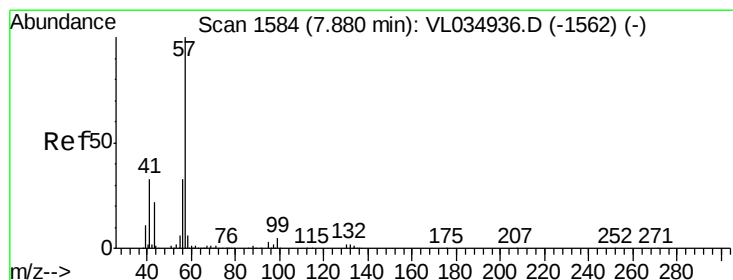
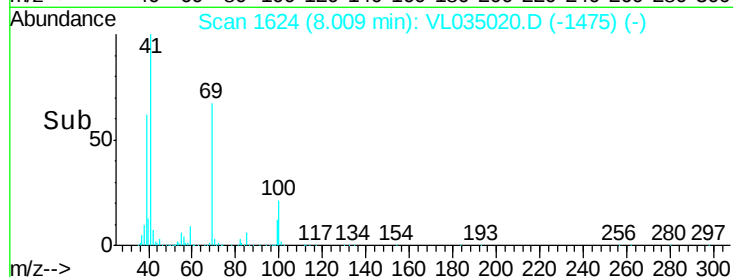
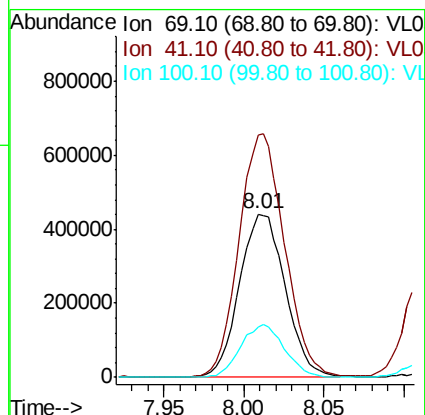
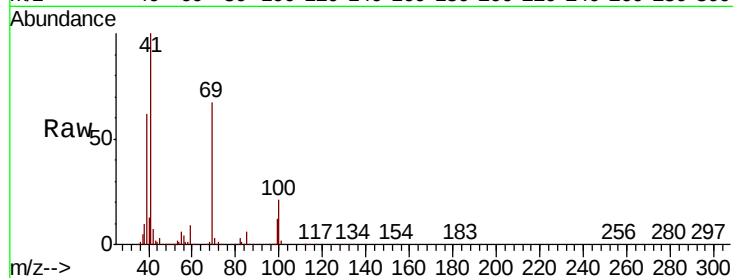
Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 859277

Ion	Ratio	Lower	Upper
69	100		
41	149.2	119.8	179.6
100	31.4	25.0	37.6



#44

2,2,4-Trimethylpentane

Concen: 9.300 ppbv

RT: 7.86 min Scan# 1579

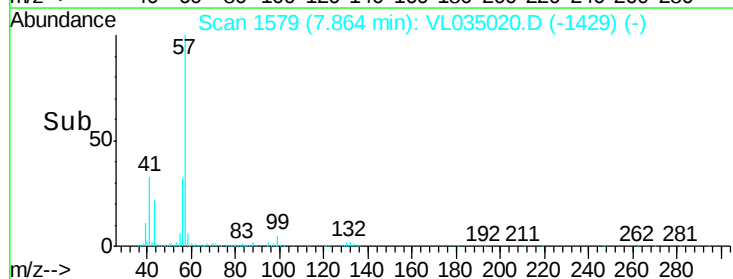
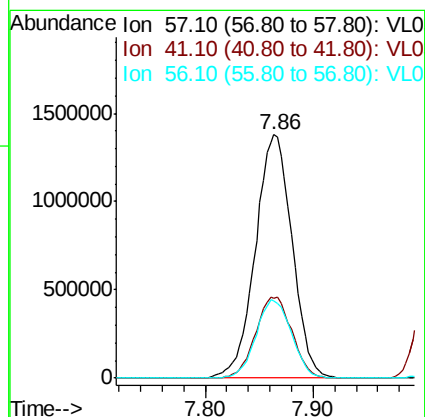
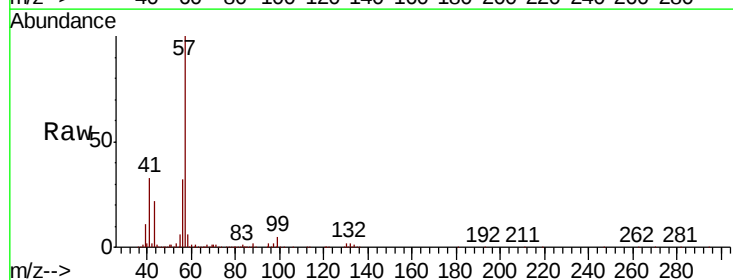
Delta R.T. -0.02 min

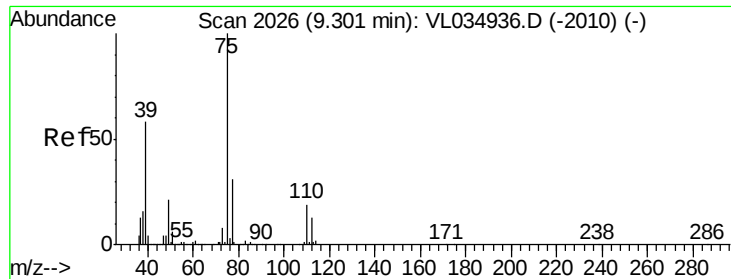
Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion: 57 Resp: 3255538

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.4	39.6
56	31.3	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 11.416 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

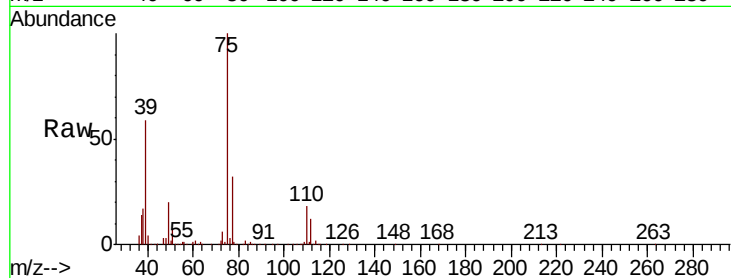
ClientSampled :

Tot Ion: 75 Resp: 957842

Ion Ratio Lower Upper

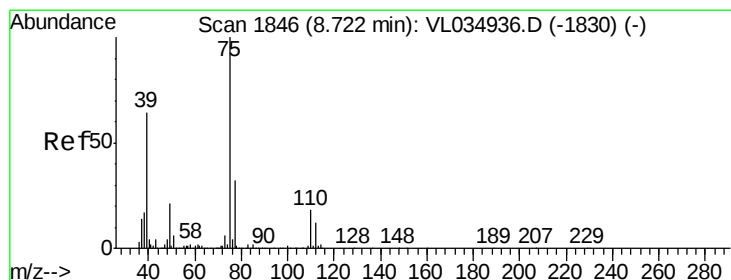
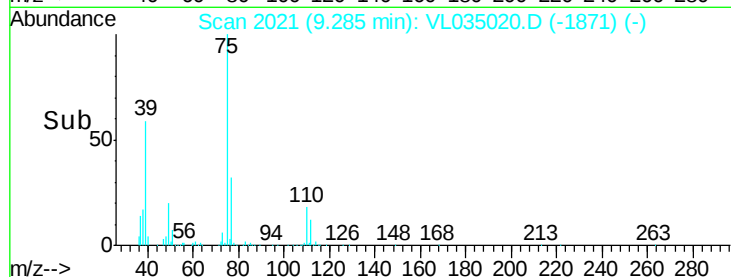
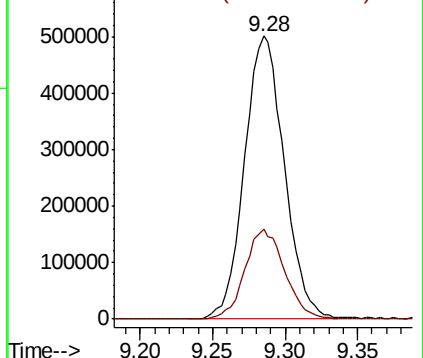
75 100

77 32.0 24.9 37.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.939 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

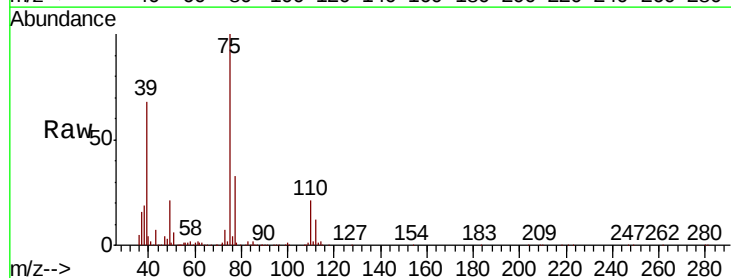
Tgt Ion: 75 Resp: 1126842

Ion Ratio Lower Upper

75 100

39 67.8 51.5 77.3

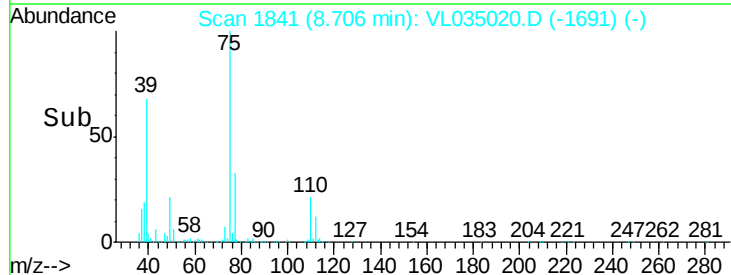
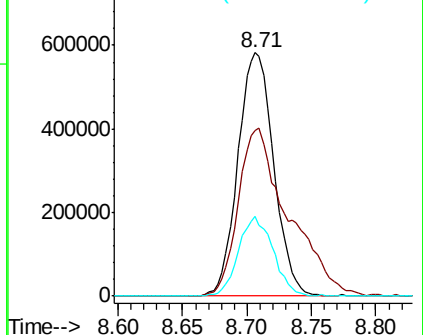
77 32.9 25.5 38.3

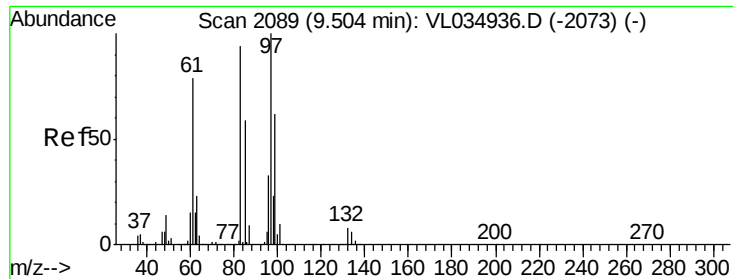


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

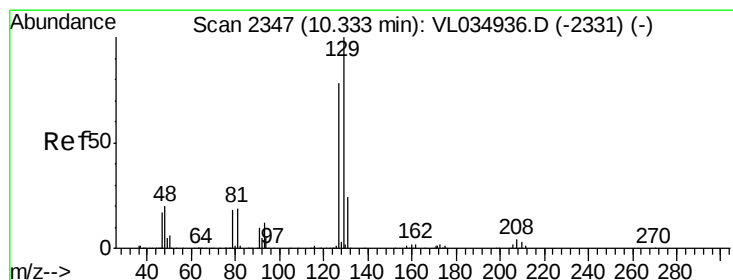
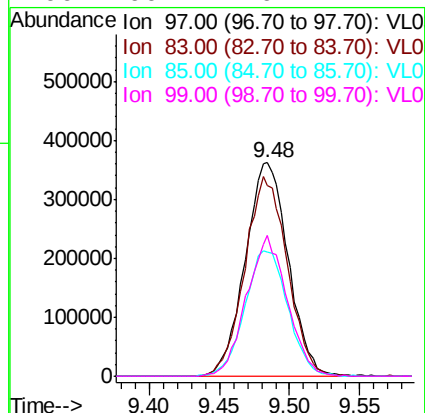
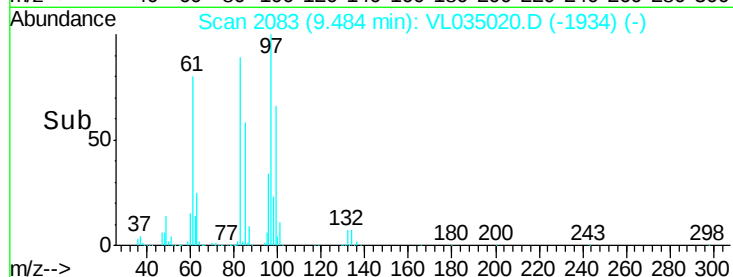
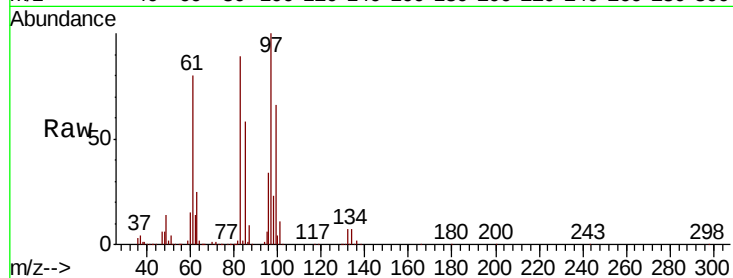




#47
 1,1,2-Trichloroethane
 Concen: 9.235 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

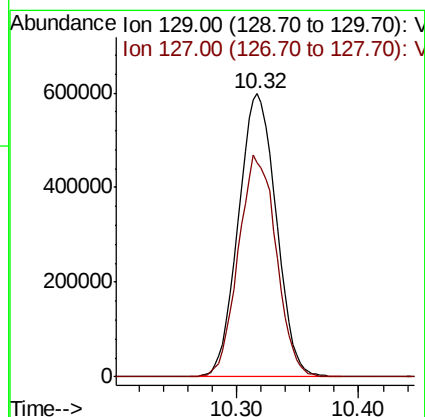
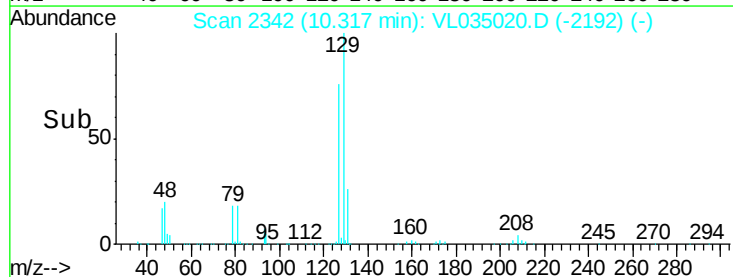
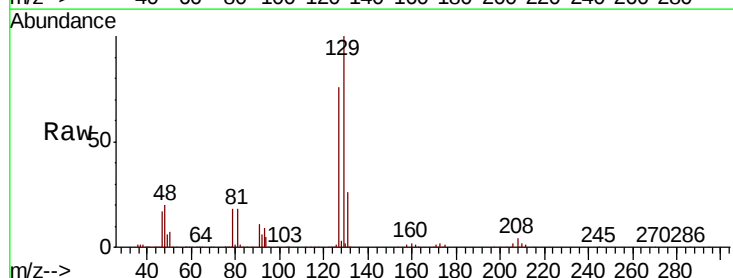
Instrument :
 MSVOA_L
 ClientSampleId :

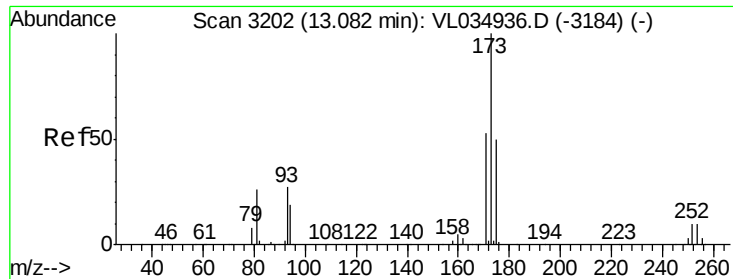
Tot Ion: 97 Resp: 769176
 Ion Ratio Lower Upper
 97 100
 83 89.1 75.6 113.4
 85 58.5 47.0 70.6
 99 66.2 49.4 74.2



#48
 Dibromochloromethane
 Concen: 9.965 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion: 129 Resp: 1276352
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.2





#49

Bromoform

Concen: 9.973 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

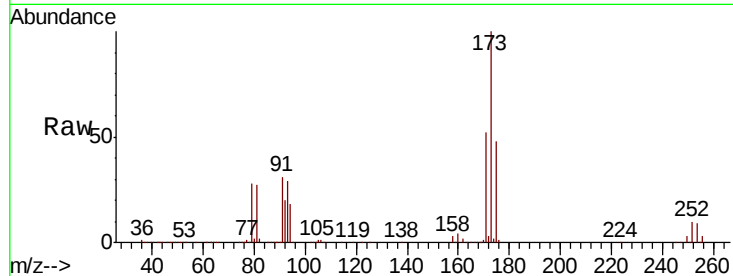
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1099151

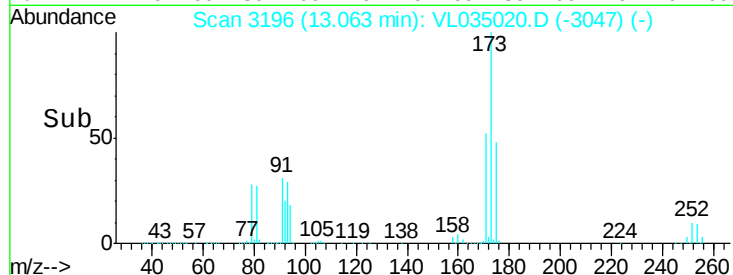
Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.0	58.6
171	52.8	41.4	62.2



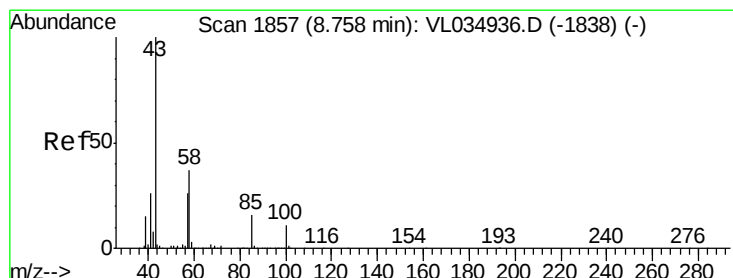
Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



Time-->



#50

4-Methyl-2-Pentanone

Concen: 9.790 ppbv

RT: 8.74 min Scan# 1851

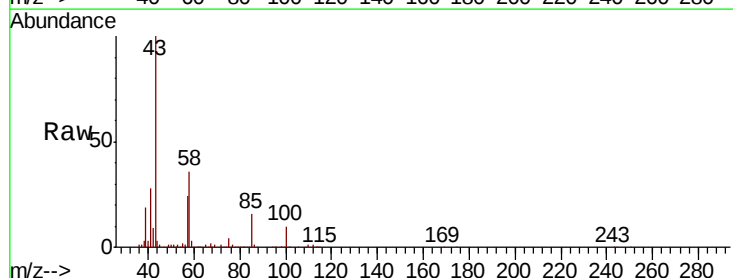
Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

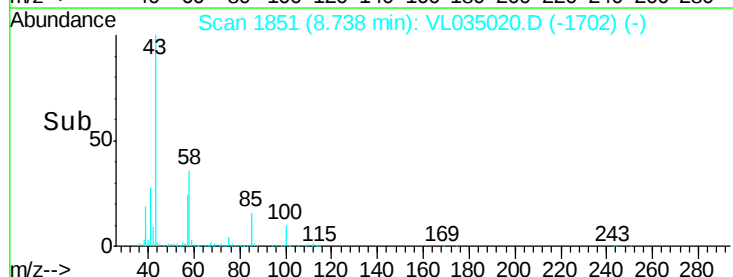
Tgt Ion: 43 Resp: 2072038

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.1	43.7

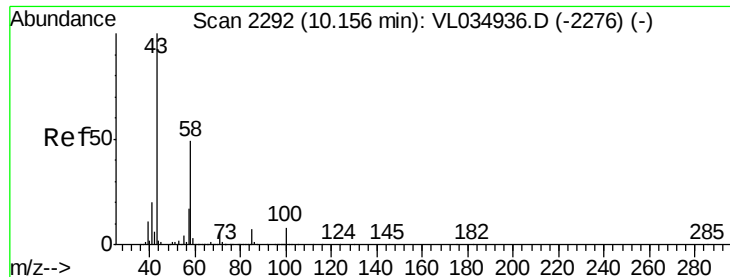


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



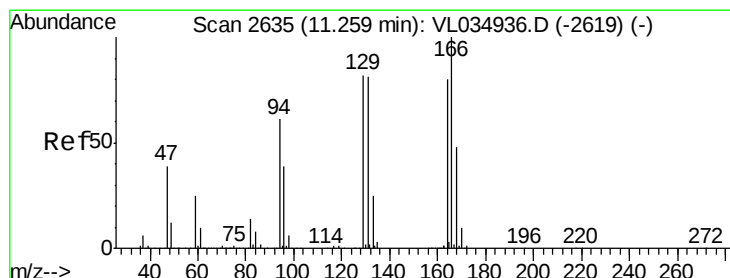
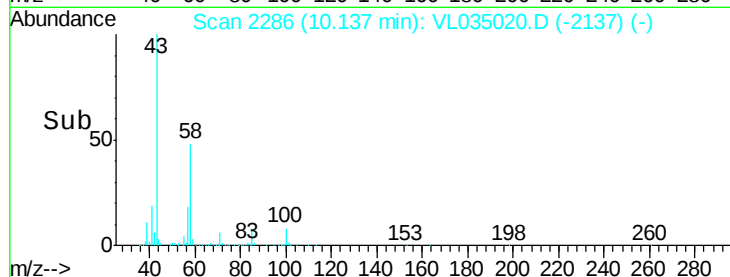
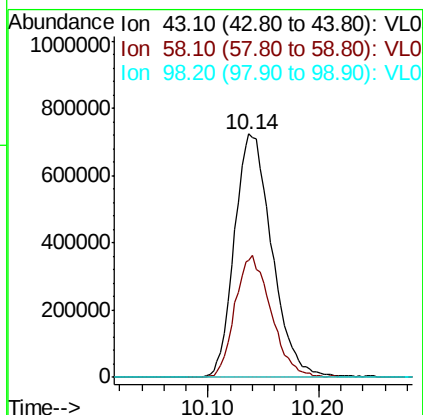
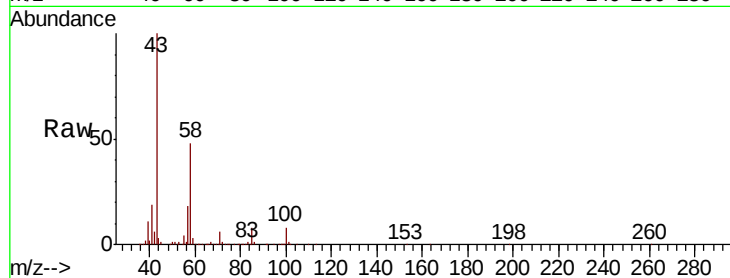
Time-->



#51
2-Hexanone
Concen: 10.299 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

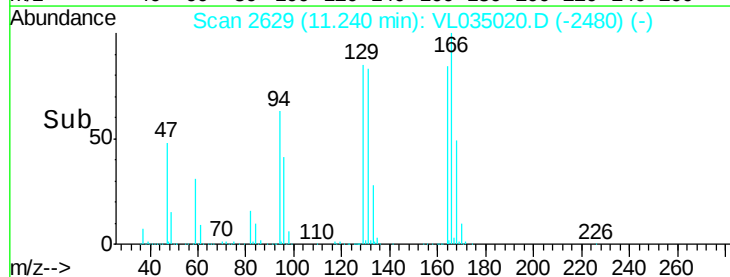
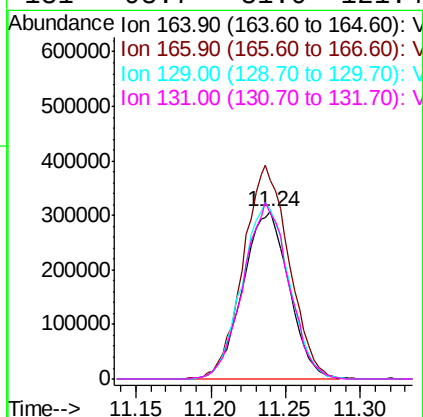
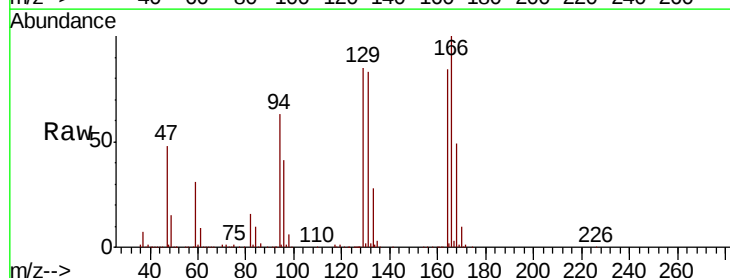
Instrument :
MSVOA_L
ClientSampled :

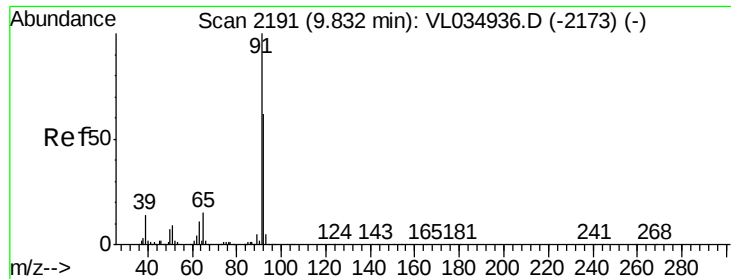
Tot Ion: 43 Resp: 1705008
Ion Ratio Lower Upper
43 100
58 48.2 39.1 58.7
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 9.397 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 164 Resp: 657859
Ion Ratio Lower Upper
164 100
166 118.2 100.7 151.1
129 101.2 83.0 124.4
131 98.7 81.0 121.4





#53

Toluene

Concen: 10.463 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

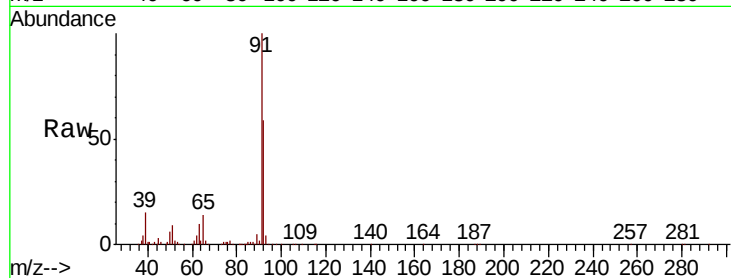
ClientSampleId :

Tot Ion: 91 Resp: 2183737

Ion Ratio Lower Upper

91 100

92 59.9 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1200000

1000000

800000

600000

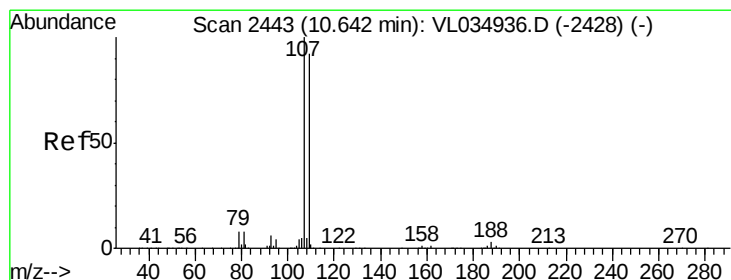
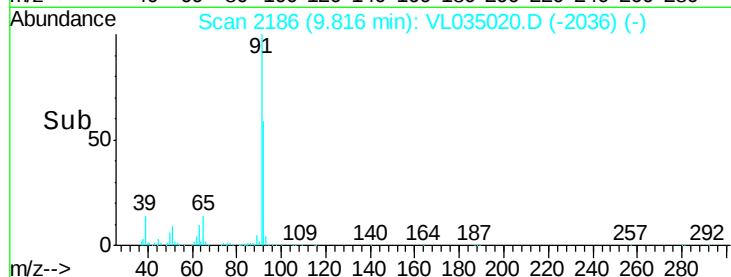
400000

200000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.666 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.02 min

Lab File: VL035020.D

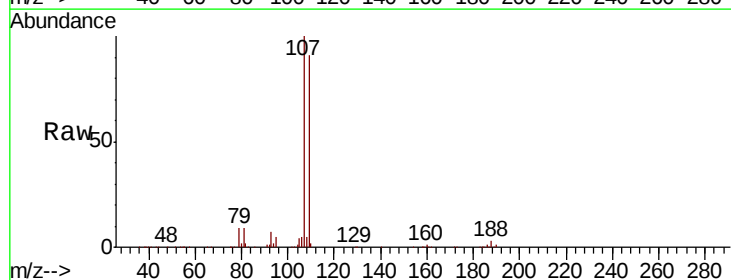
Acq: 14 May 2020 14:32

Tgt Ion:107 Resp: 1182228

Ion Ratio Lower Upper

107 100

109 90.5 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

500000

400000

300000

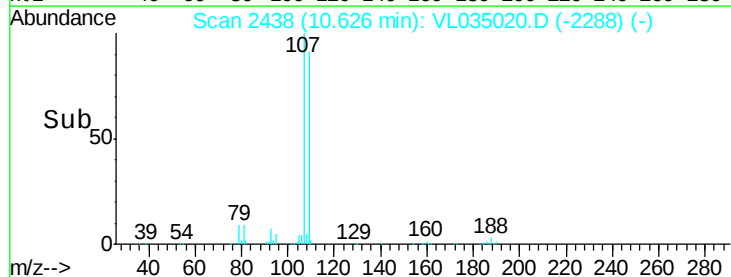
200000

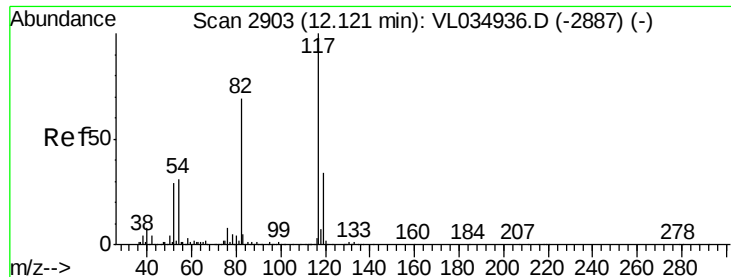
100000

0

10.60 10.63 10.70

Time-->

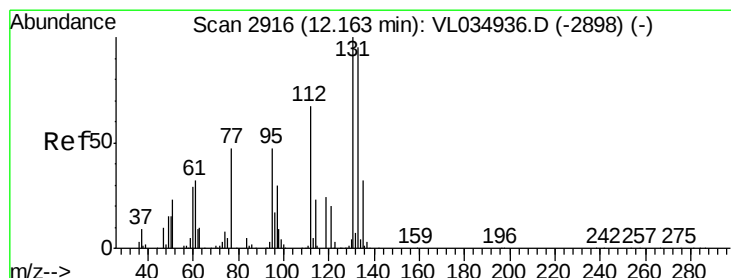
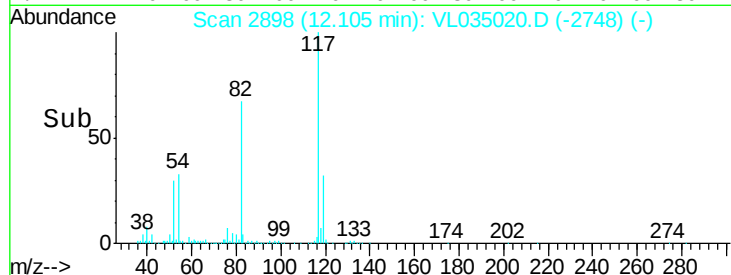
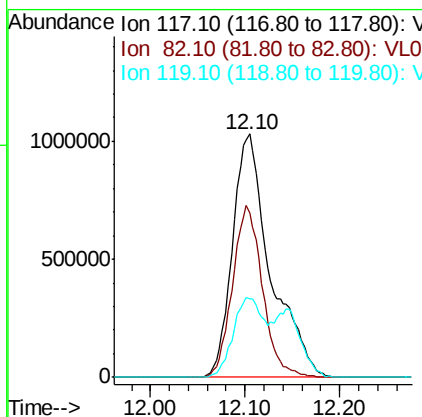
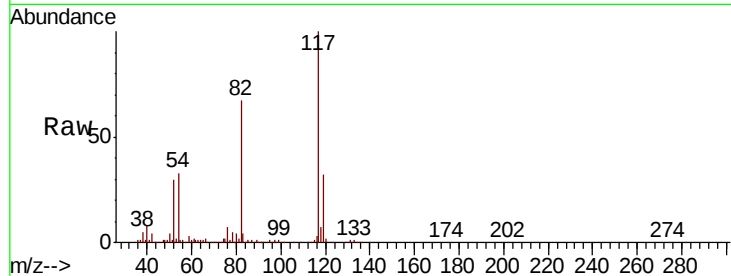




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

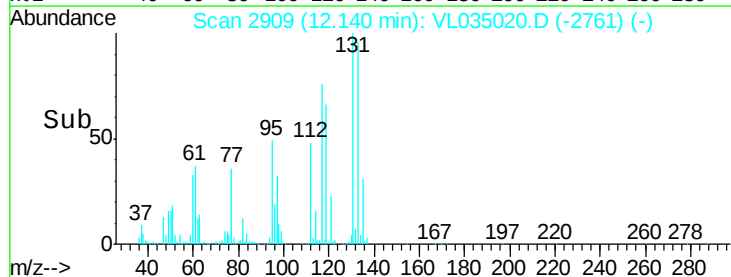
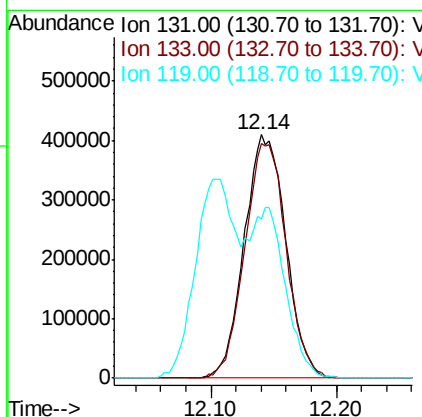
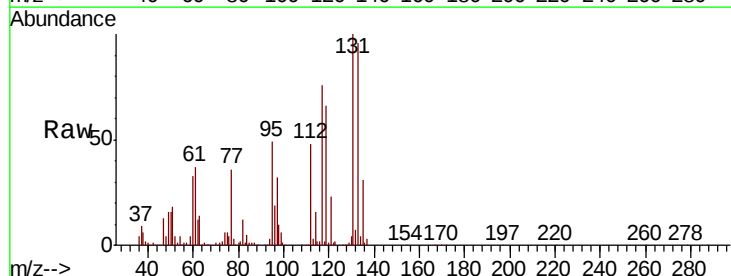
Instrument :
MSVOA_L
ClientSampleId :

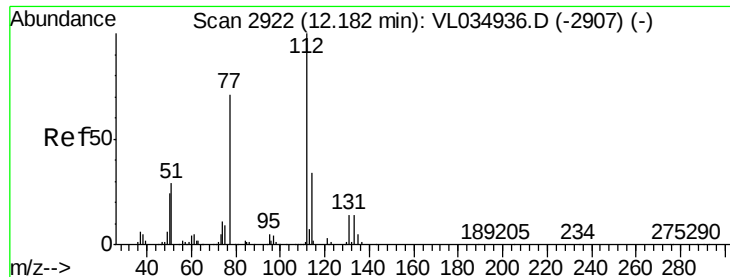
Tot Ion:117 Resp: 2876051
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 29.2 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.280 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion:131 Resp: 944249
Ion Ratio Lower Upper
131 100
133 96.2 77.7 116.5
119 53.1 49.8 74.6





#57

Chlorobenzene

Concen: 7.107 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

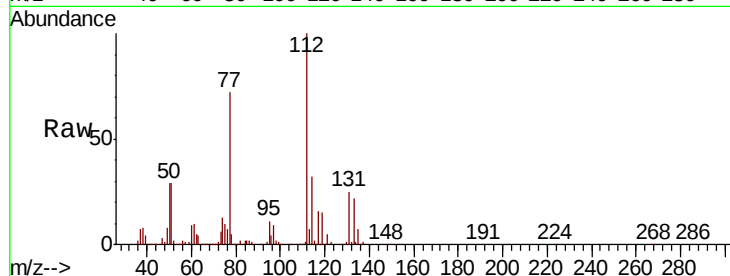
Tot Ion:112 Resp: 1619426

Ion Ratio Lower Upper

112 100

77 71.2 57.0 85.6

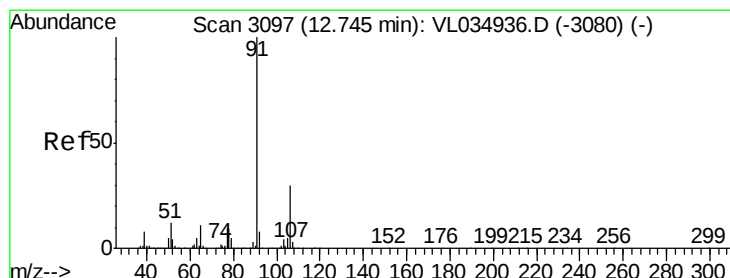
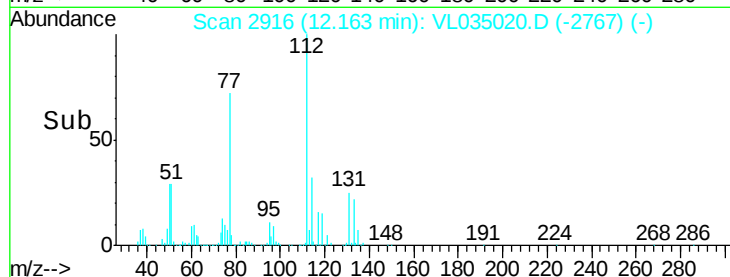
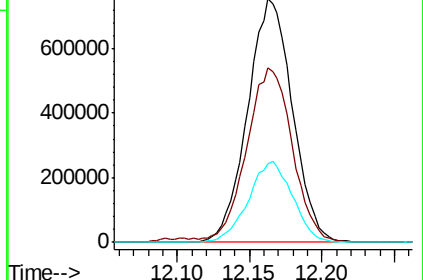
114 31.8 30.8 37.6



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



#58

Ethyl Benzene

Concen: 8.210 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.02 min

Lab File: VL035020.D

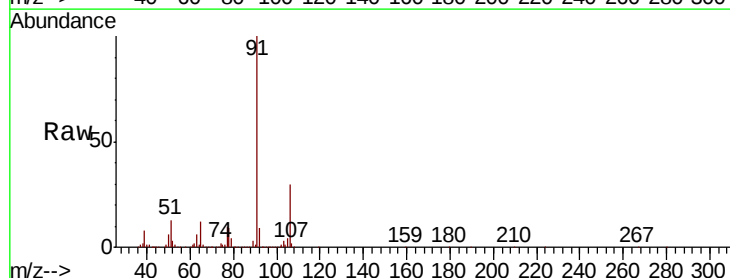
Acq: 14 May 2020 14:32

Tgt Ion: 91 Resp: 2919742

Ion Ratio Lower Upper

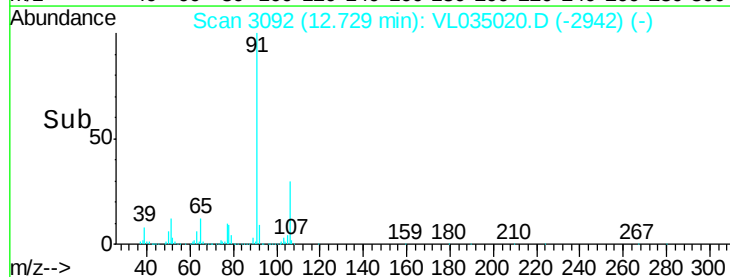
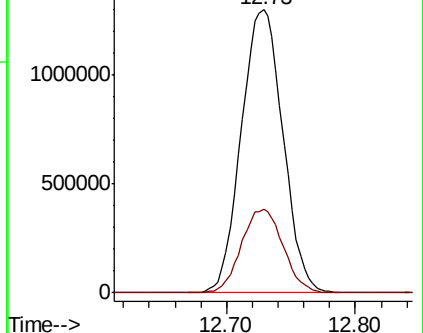
91 100

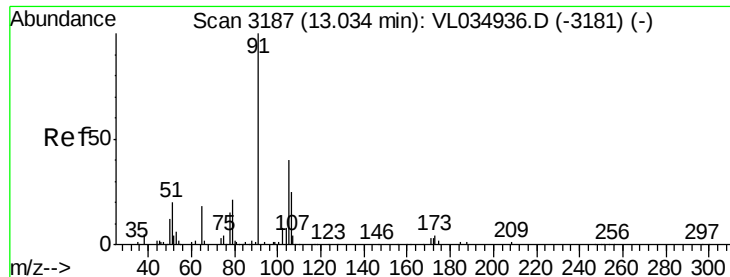
106 29.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

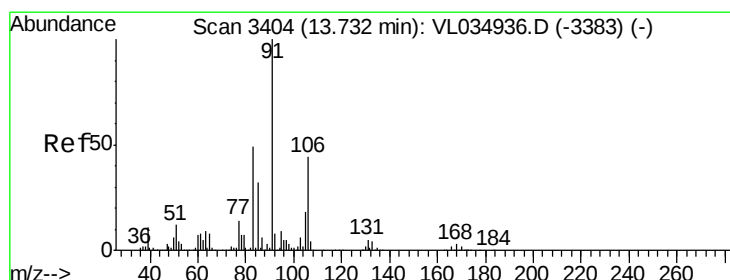
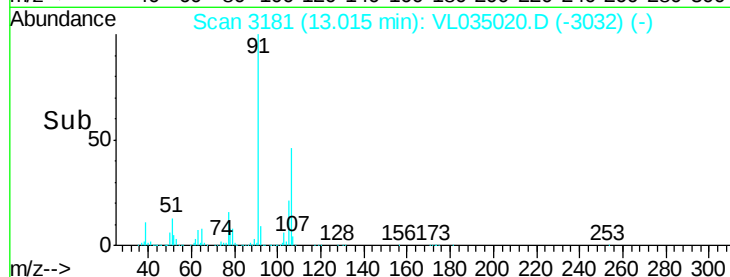
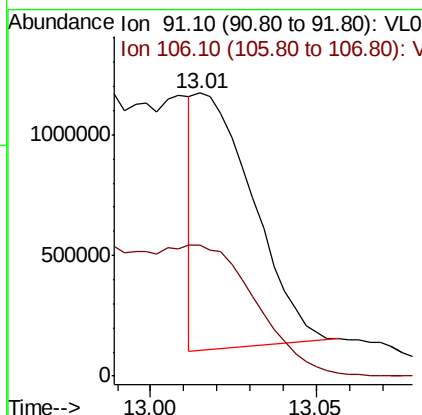
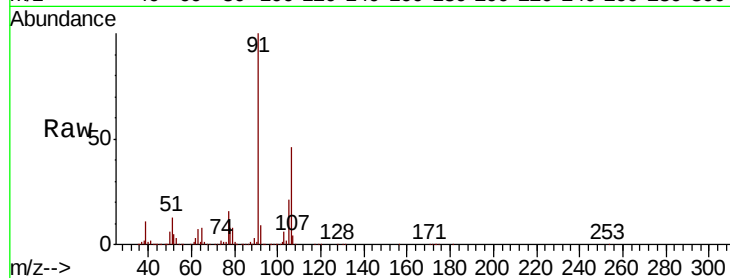




#59
m/p-Xylene
Concen: 4.082 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

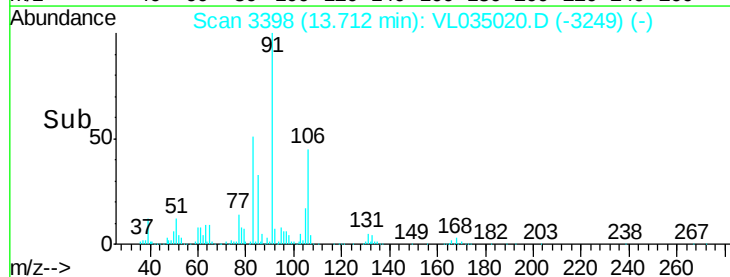
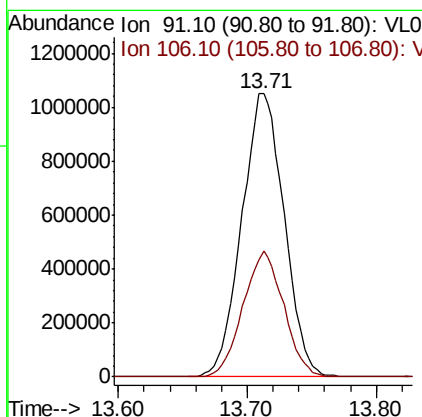
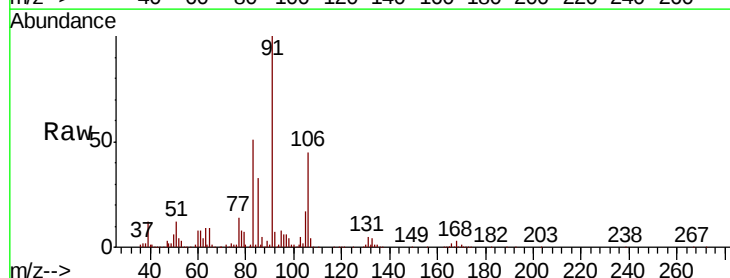
Instrument :
MSVOA_L
ClientSampled :

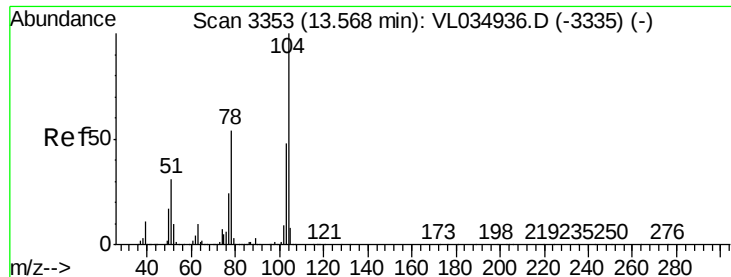
Tot Ion: 91 Resp: 1277246
Ion Ratio Lower Upper
91 100
106 169.1 66.0 99.0#



#60
o-Xylene
Concen: 7.766 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion: 91 Resp: 2397858
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.5

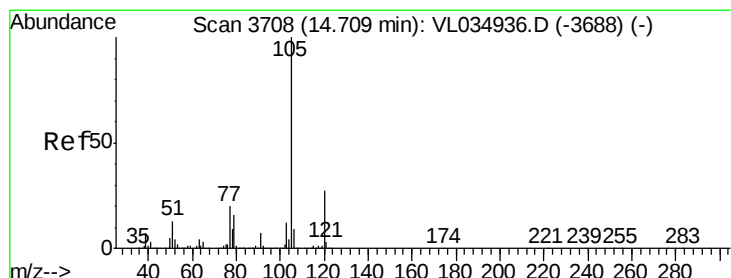
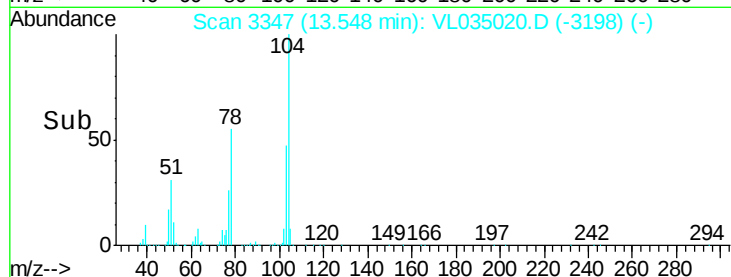
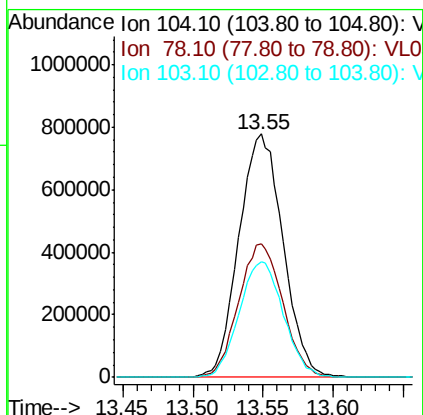
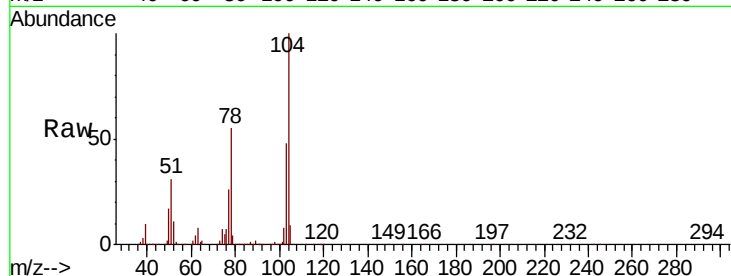




#61
Stvrene
Concen: 8.697 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

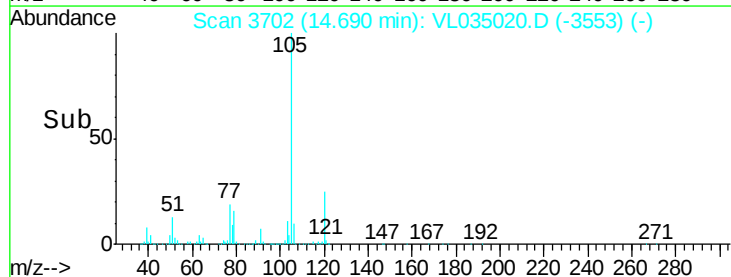
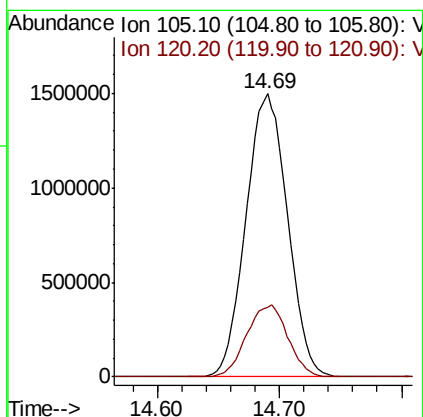
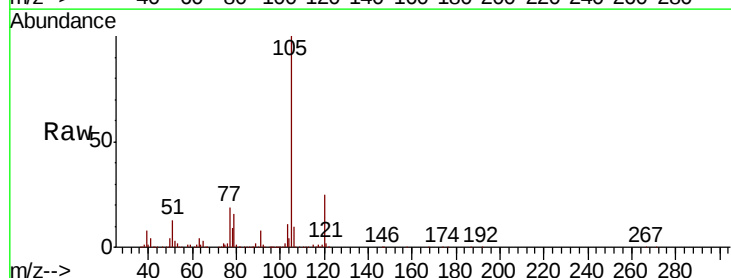
Instrument :
MSVOA_L
ClientSampleId :

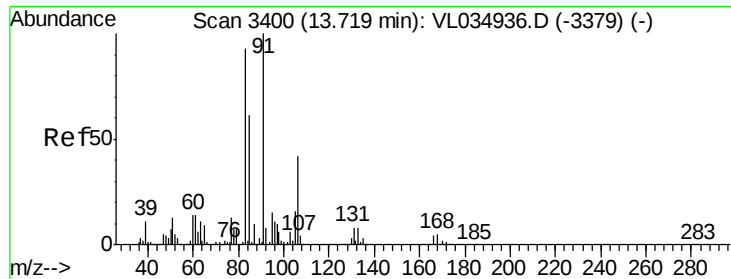
Tot Ion:104 Resp: 1699534
Ion Ratio Lower Upper
104 100
78 55.3 43.7 65.5
103 48.0 38.8 58.2



#62
Isopropylbenzene
Concen: 7.646 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.02 min
Lab File: VL035020.D
Acq: 14 May 2020 14:32

Tgt Ion:105 Resp: 3524589
Ion Ratio Lower Upper
105 100
120 25.2 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.880 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

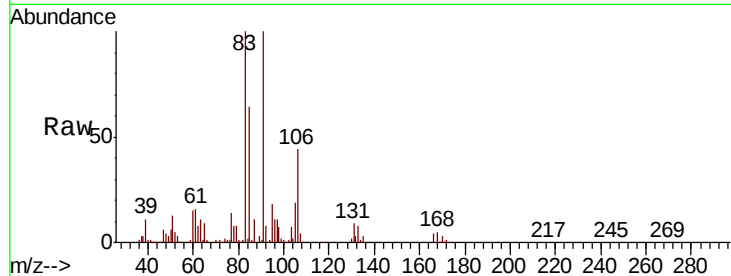
Tot Ion: 83 Resp: 1672310

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.0

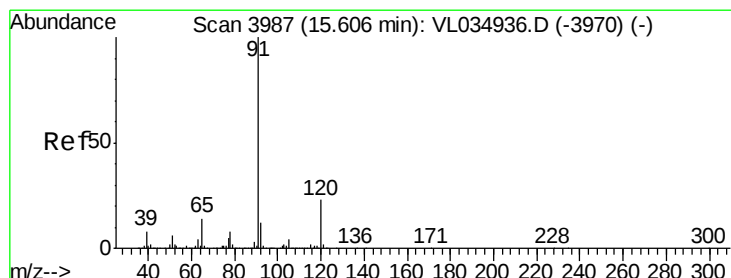
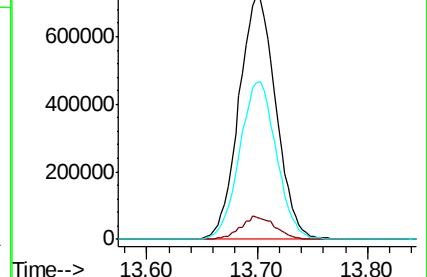
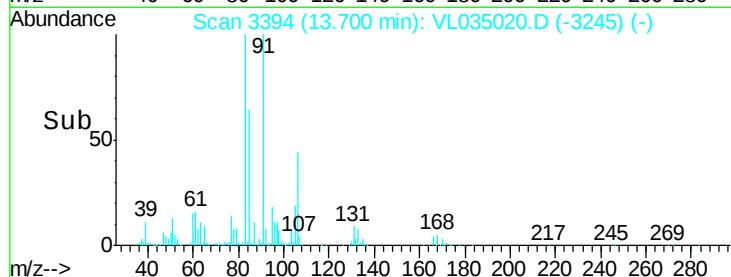
85 64.8 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.605 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.02 min

Lab File: VL035020.D

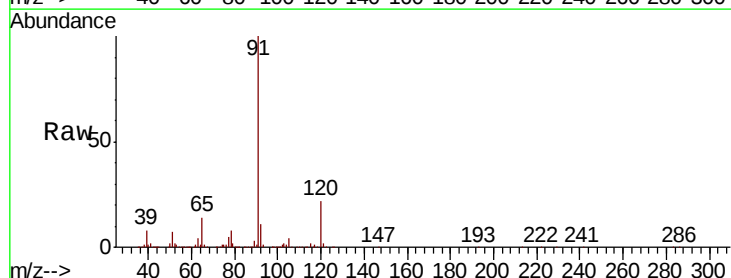
Acq: 14 May 2020 14:32

Tgt Ion:120 Resp: 899268

Ion Ratio Lower Upper

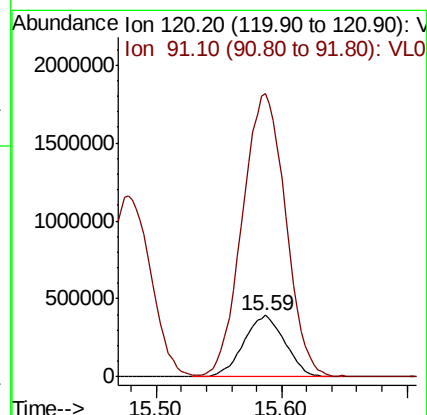
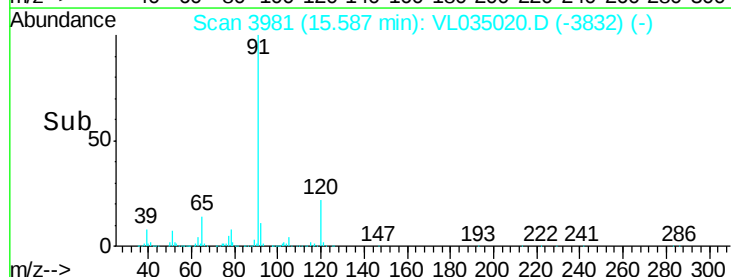
120 100

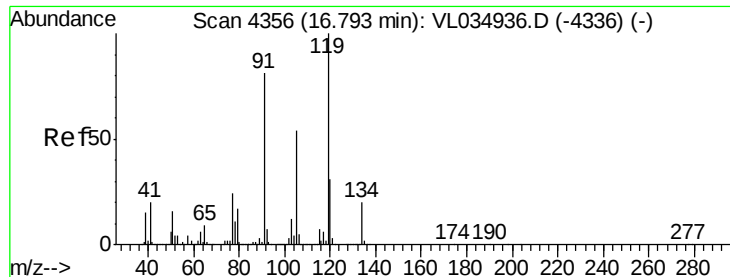
91 484.8 373.5 560.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.539 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

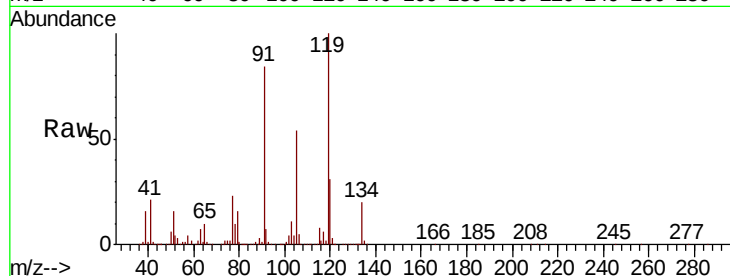
Tot Ion:119 Resp: 3014302

Ion Ratio Lower Upper

119 100

91 85.4 67.5 101.3

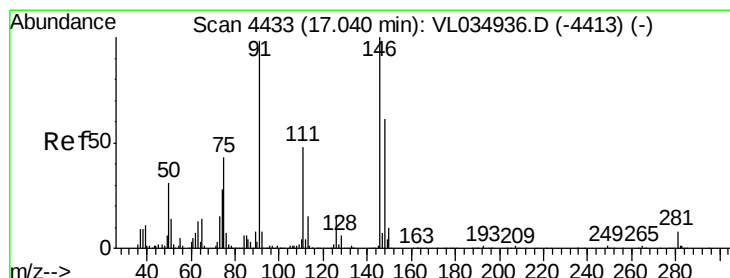
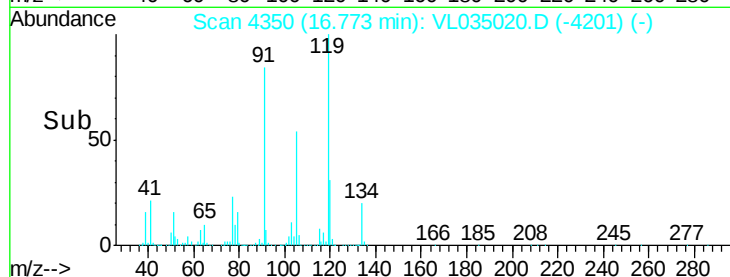
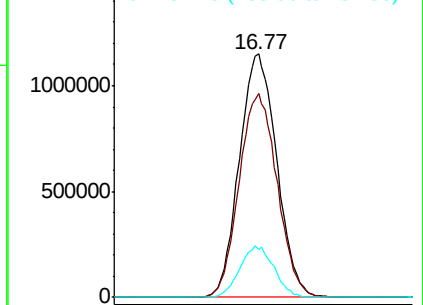
134 19.3 16.1 24.1



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: 8.125 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

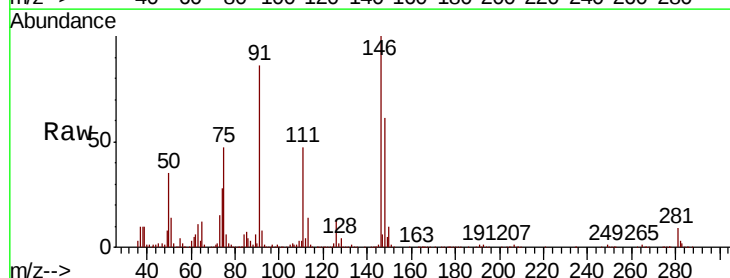
Tgt Ion: 91 Resp: 1102855

Ion Ratio Lower Upper

91 100

126 15.8 13.8 20.6

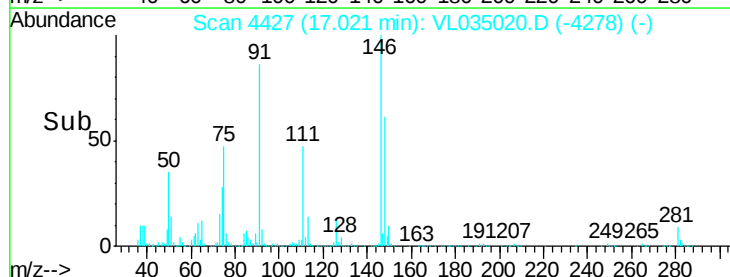
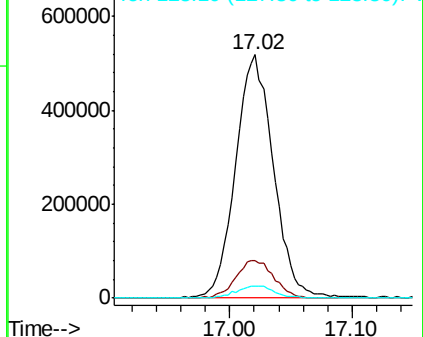
128 5.2 4.3 6.5

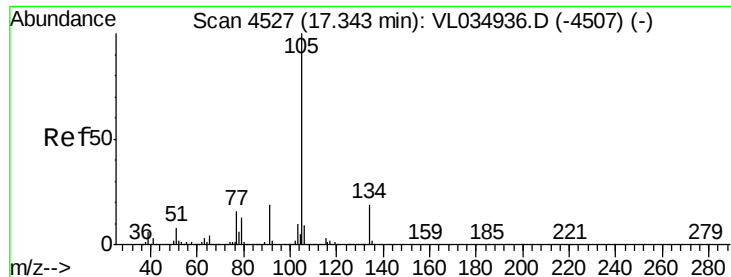


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.593 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

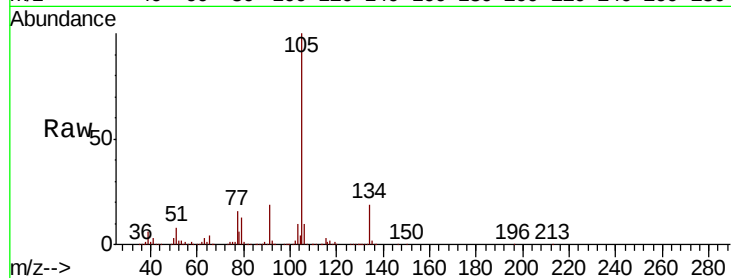
ClientSampleId :

Tot Ion:105 Resp: 4333941

Ion Ratio Lower Upper

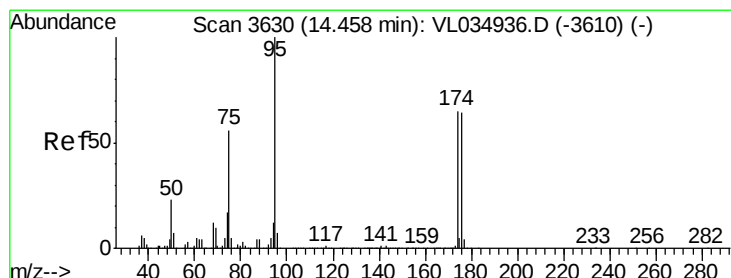
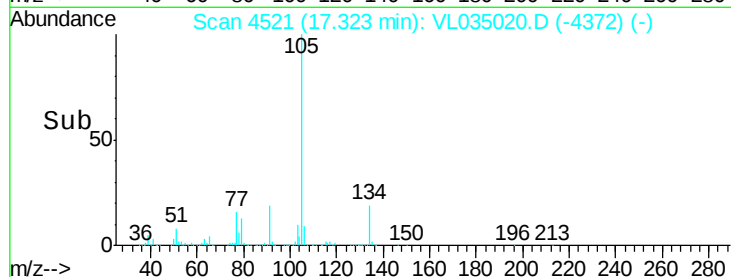
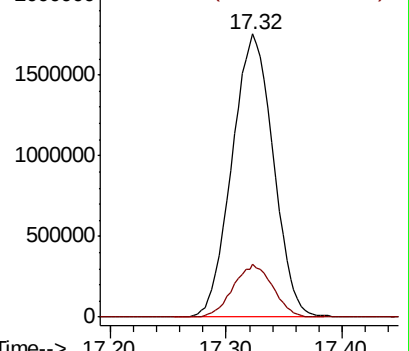
105 100

134 18.0 14.8 22.2



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: 8.442 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

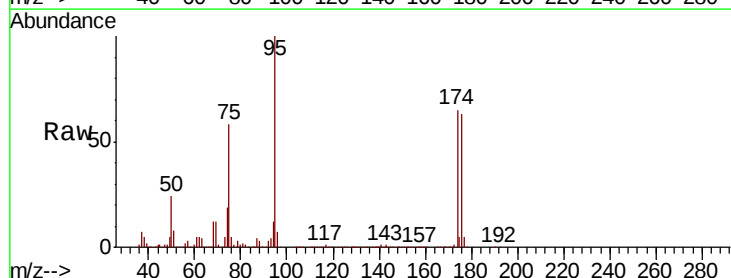
Tgt Ion: 95 Resp: 1965346

Ion Ratio Lower Upper

95 100

174 64.2 51.5 77.3

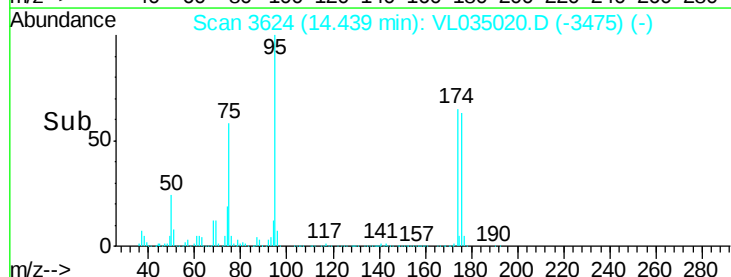
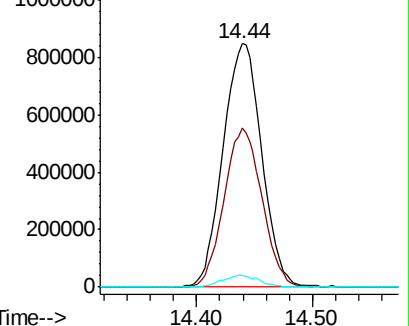
175 4.7 3.8 5.8

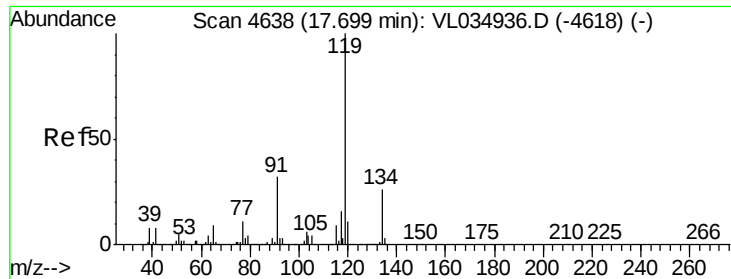


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

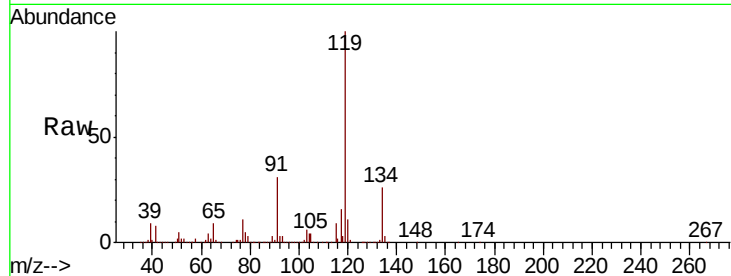




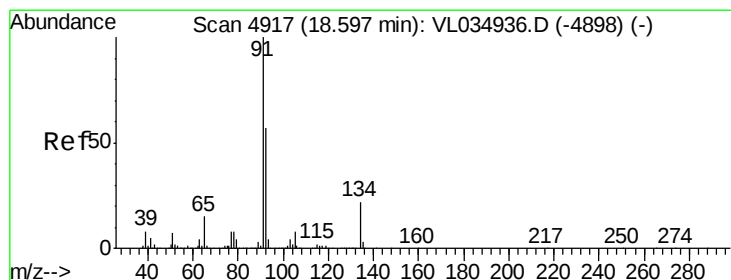
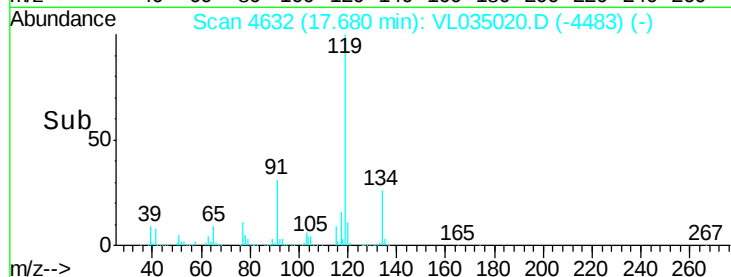
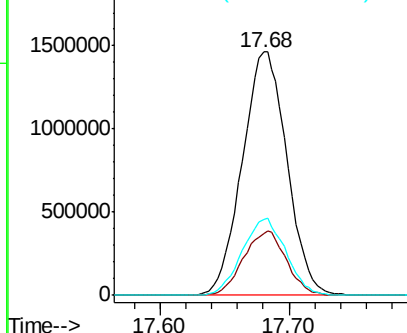
#69
 p-Isopropyltoluene
 Concen: 7.625 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 3521038
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 31.0 24.6 36.8

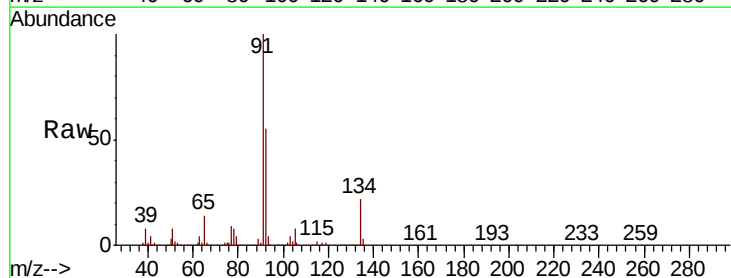


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

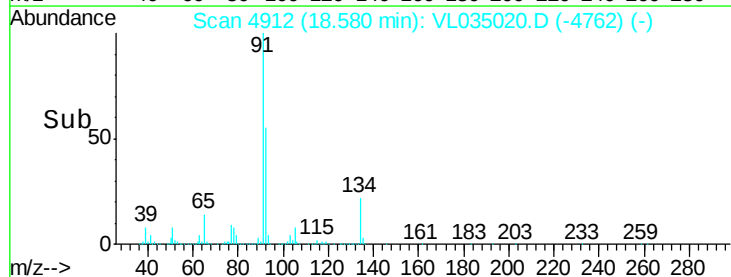
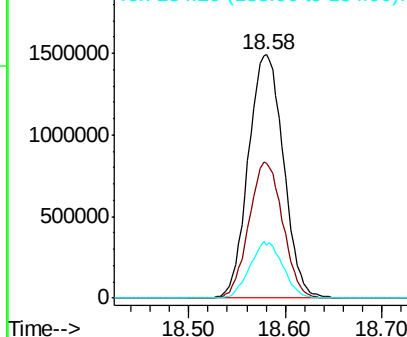


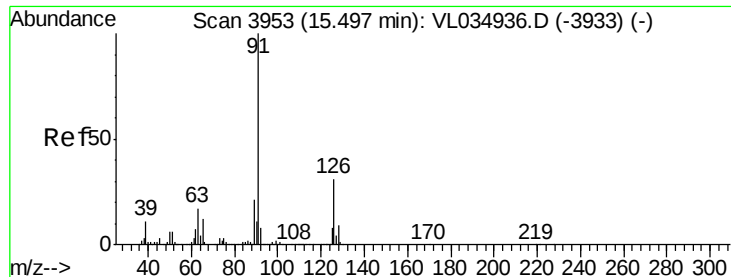
#70
 n-Butylbenzene
 Concen: 7.645 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion: 91 Resp: 3757096
 Ion Ratio Lower Upper
 91 100
 92 53.9 44.4 66.6
 134 21.8 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): V
 2000000 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V

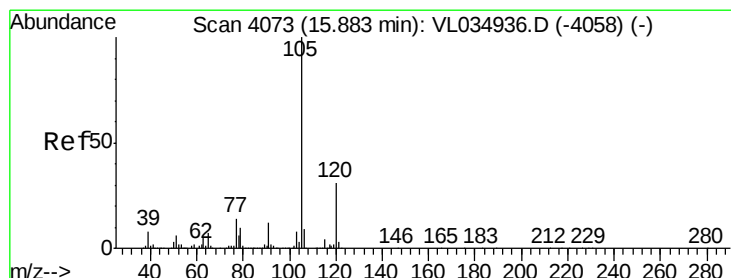
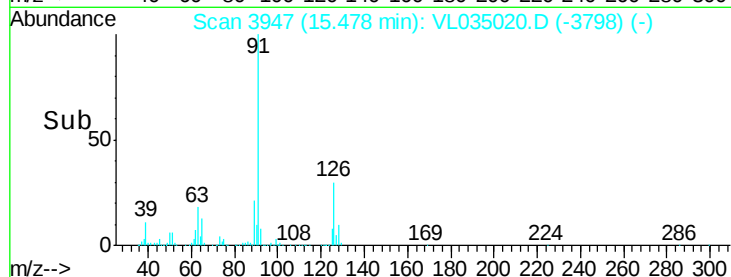
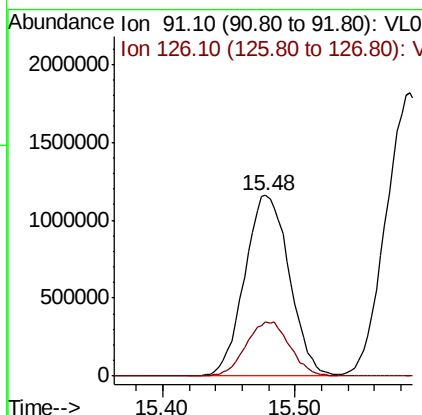
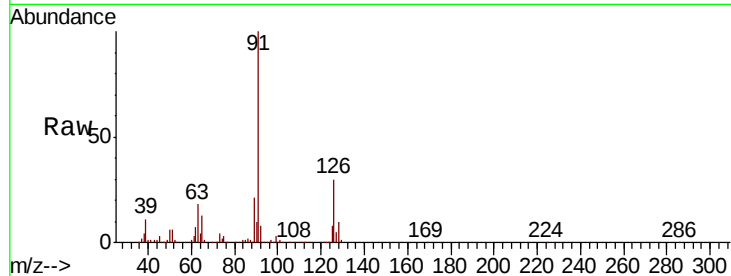




#71
 2-Chlorotoluene
 Concen: 7.828 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

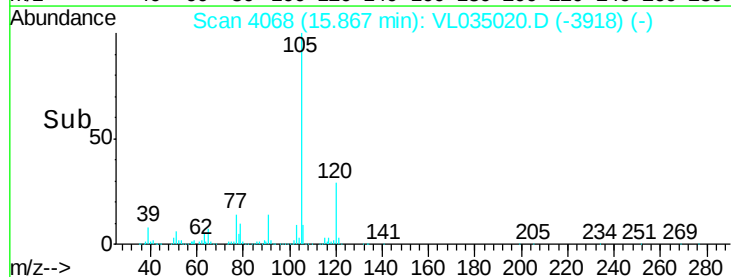
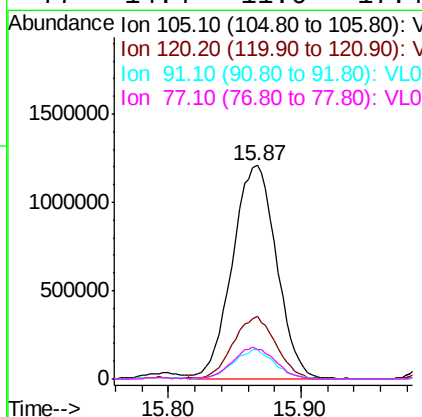
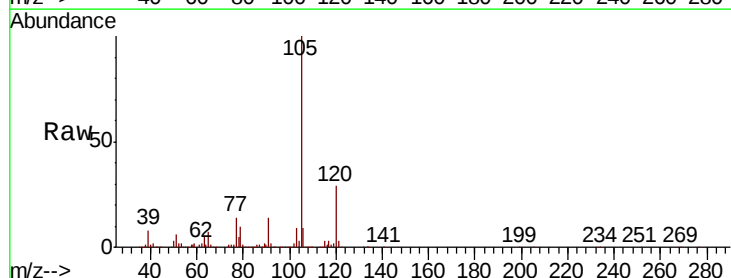
Instrument :
 MSVOA_L
 ClientSampleId :

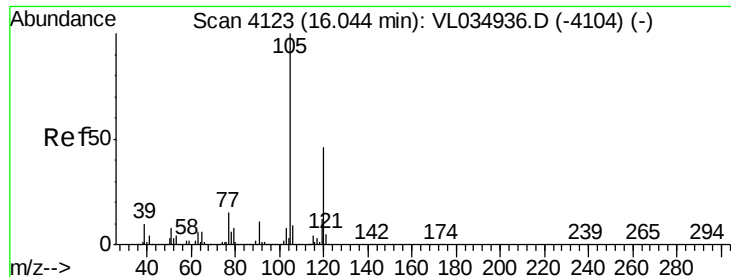
Tot Ion: 91 Resp: 2724073
 Ion Ratio Lower Upper
 91 100
 126 29.4 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 8.109 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. -0.02 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Tgt Ion:105 Resp: 2793491
 Ion Ratio Lower Upper
 105 100
 120 28.5 23.8 35.8
 91 12.9 10.6 15.8
 77 14.4 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 7.668 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

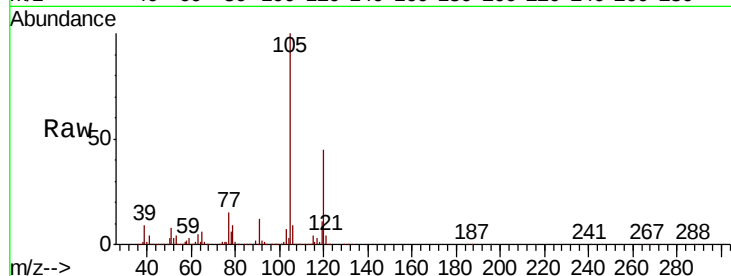
ClientSampleId :

Tot Ion:105 Resp: 2570600

Ion Ratio Lower Upper

105 100

120 44.6 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

1200000

1000000

800000

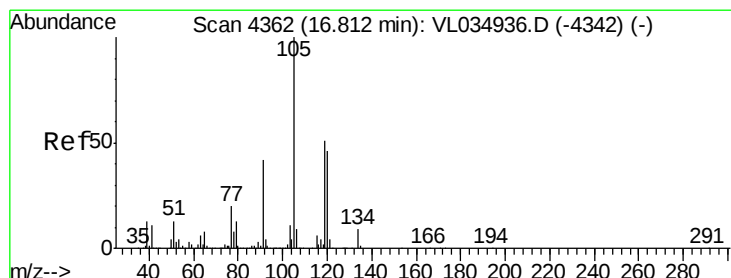
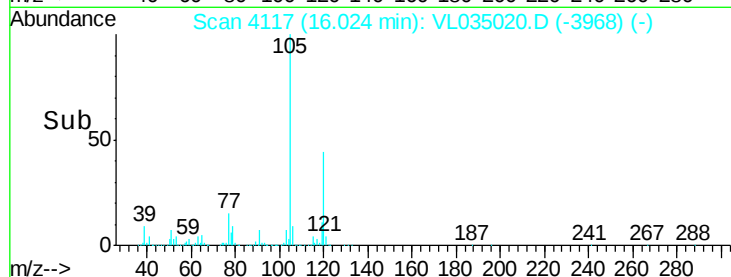
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.284 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion:105 Resp: 2665593

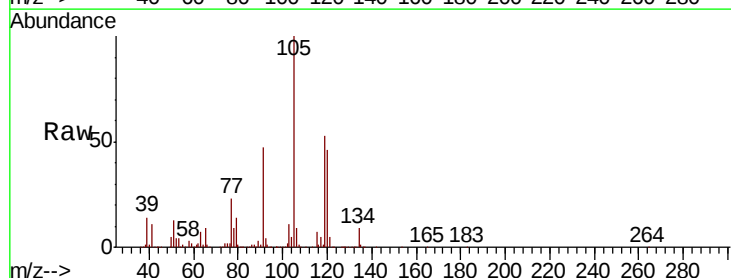
Ion Ratio Lower Upper

105 100

120 45.9 36.8 55.2

91 47.1 35.4 53.0

77 22.9 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

16.79

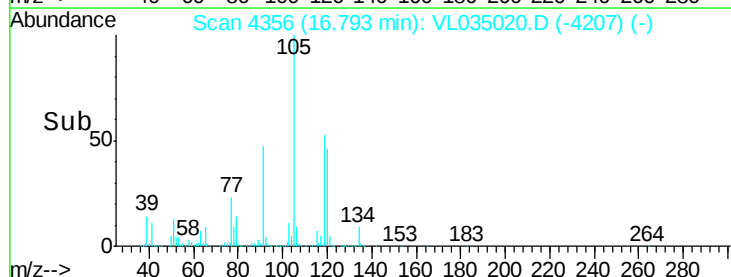
1500000

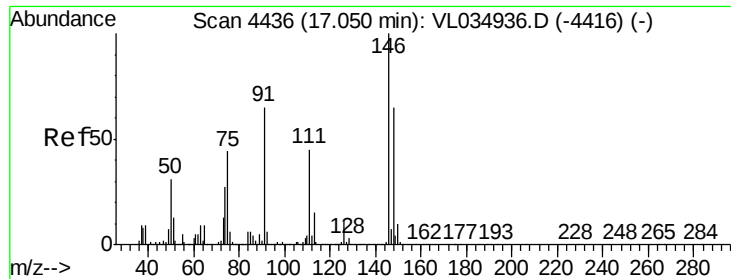
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.998 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

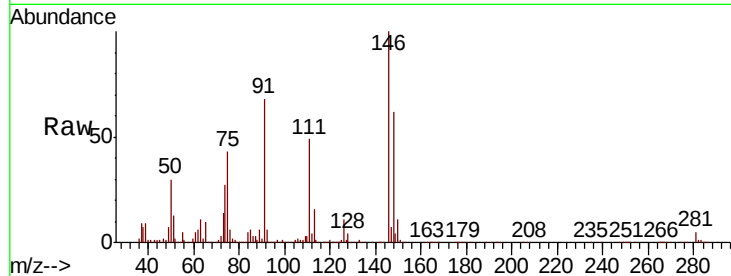
Tot Ion:146 Resp: 1503645

Ion Ratio Lower Upper

146 100

111 48.6 24.0 72.0

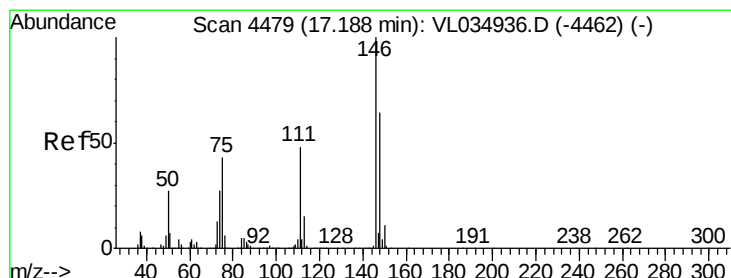
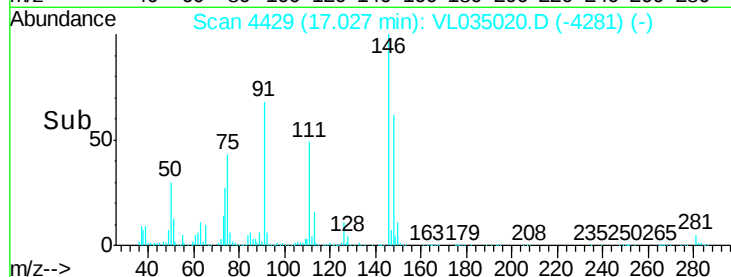
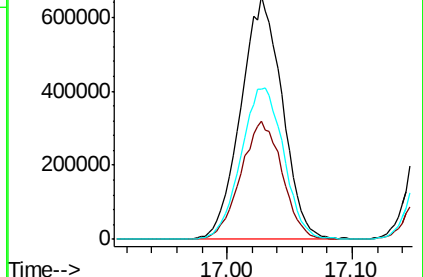
148 64.4 32.6 97.7



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: 7.362 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

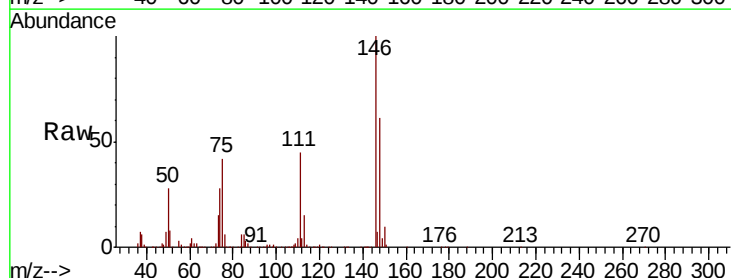
Tgt Ion:146 Resp: 1502973

Ion Ratio Lower Upper

146 100

111 47.1 23.7 71.1

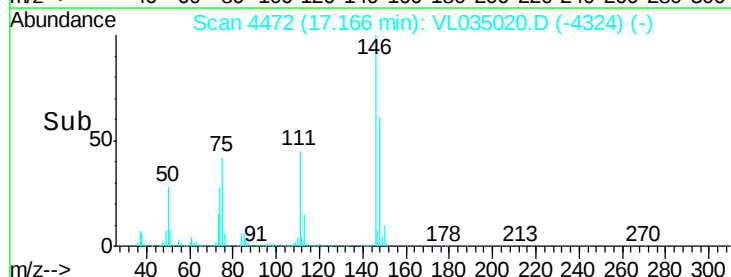
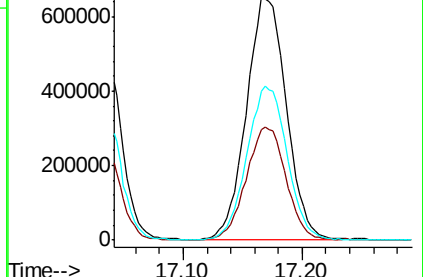
148 64.8 32.6 97.8

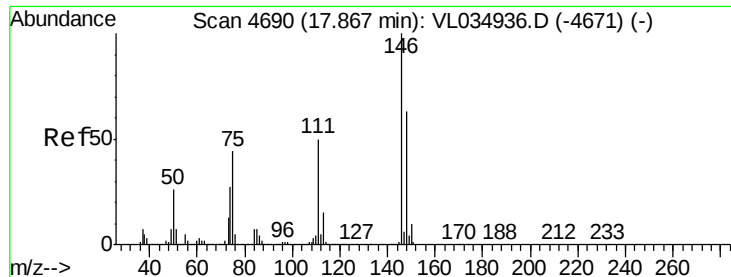


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.096 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

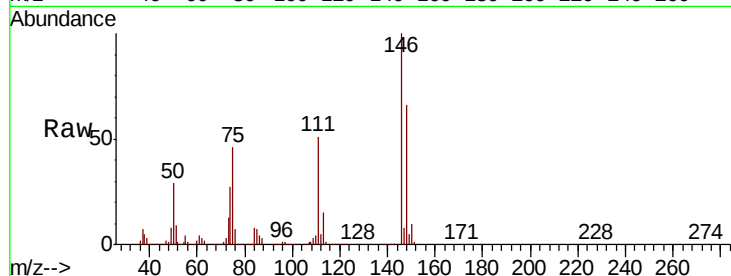
Tot Ion:146 Resp: 1436588

Ion Ratio Lower Upper

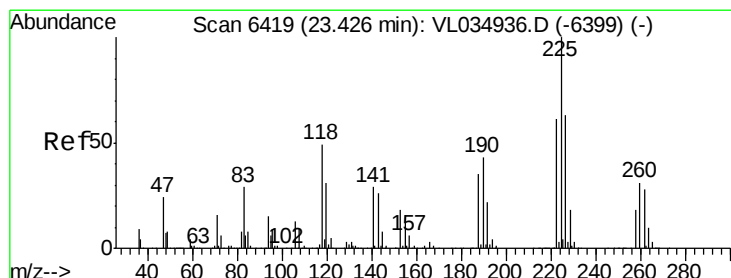
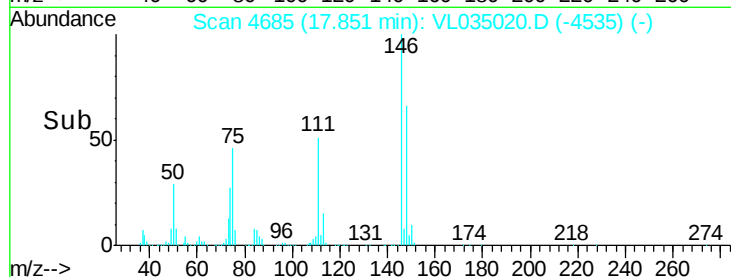
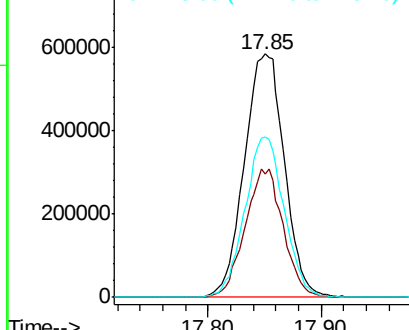
146 100

111 50.2 24.5 73.5

148 64.8 31.7 95.1



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: 6.948 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

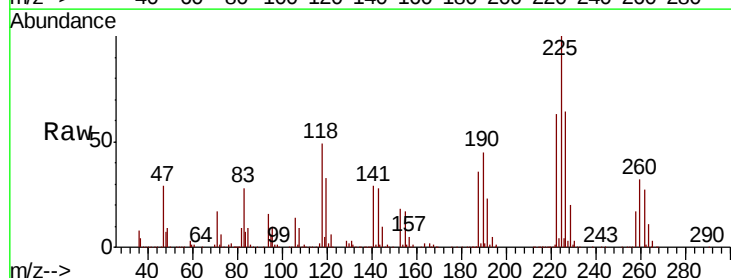
Tgt Ion:225 Resp: 1199015

Ion Ratio Lower Upper

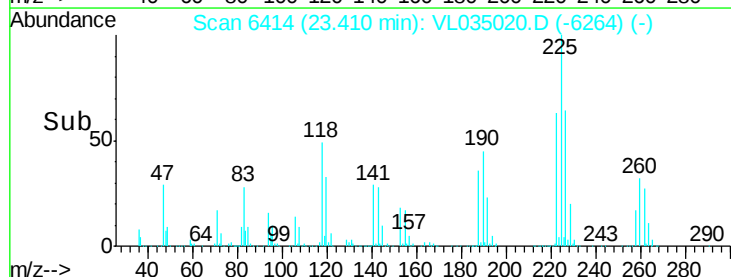
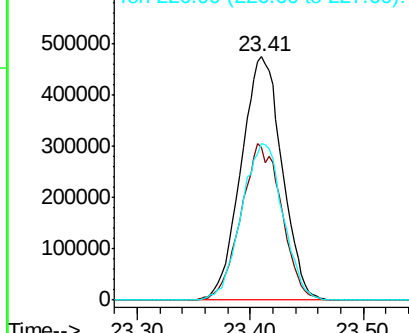
225 100

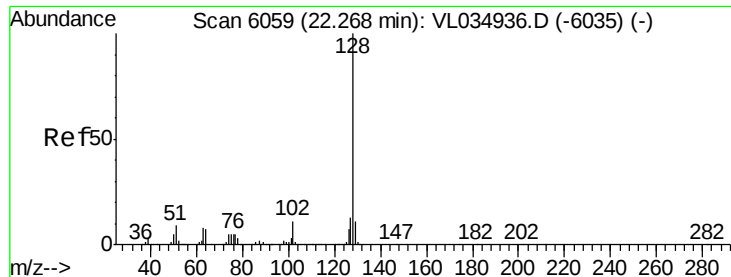
223 63.5 49.8 74.8

227 65.2 51.8 77.6



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.387 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

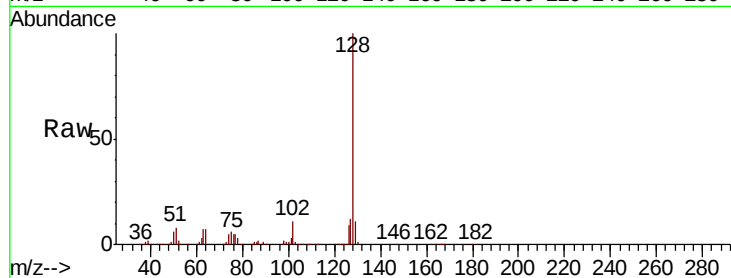
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 2674880

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	11.2	9.0	13.4

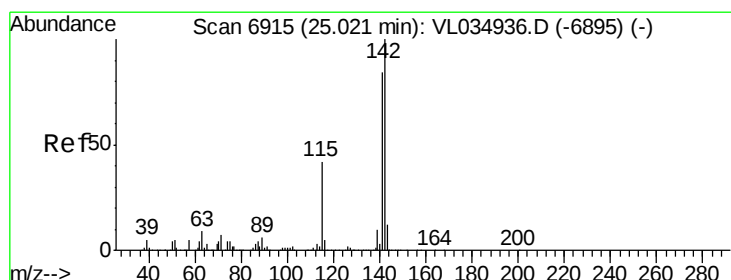
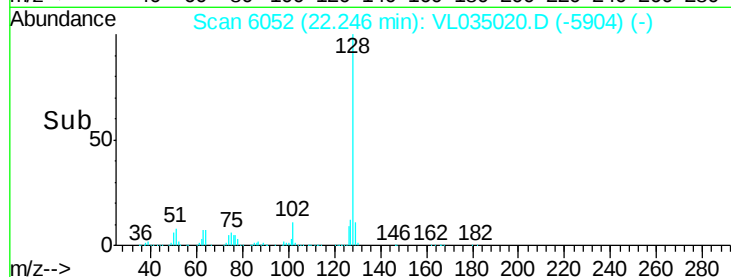
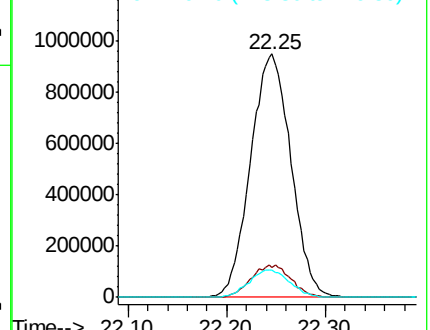


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.379 ppbv

RT: 25.00 min Scan# 6910

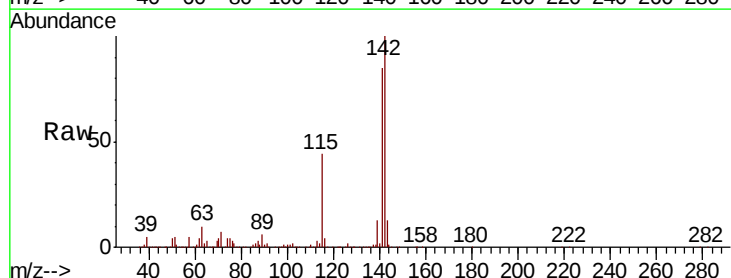
Delta R.T. -0.02 min

Lab File: VL035020.D

Acq: 14 May 2020 14:32

Tgt Ion:142 Resp: 1217325

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.6	102.8
115	43.4	33.9	50.9

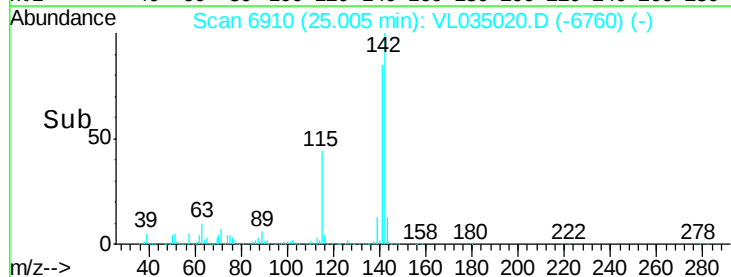
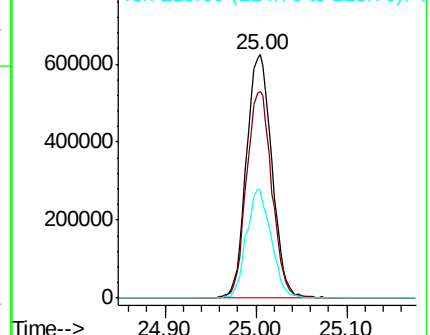


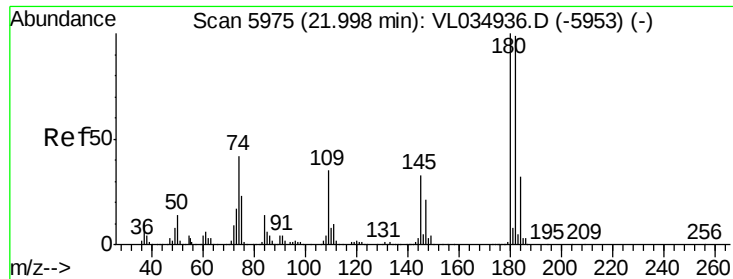
Abundance

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: 4.620 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. -0.03 min
 Lab File: VL035020.D
 Acq: 14 May 2020 14:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 798321
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.5 116.3#
 184 0.0 24.8 37.2#

