

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034945.D
 Acq On : 6 May 2020 16:52
 Operator : SY/AP
 Sample : VL0506ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 06:32:04 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	5.66	49	1237531	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2847438	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3319309	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2233482	8.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1382047	7.869 ppbv	97
3) Chlorodifluoromethane	2.95	51	1200187	8.495 ppbv	100
4) Chloromethane	3.10	50	706470	8.725 ppbv	98
5) Vinyl Chloride	3.22	62	672029	8.508 ppbv	97
6) Bromomethane	3.44	94	385464	8.173 ppbv	90
7) Chloroethane	3.53	64	244399	8.615 ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1491123	8.203 ppbv	100
9) Propene	2.97	41	545360	8.895 ppbv	99
10) Heptane	8.14	43	1472706	9.588 ppbv	99
11) Trichlorofluoromethane	3.93	101	1469073	8.112 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1006963	7.809 ppbv	99
13) Ethanol	3.57	45	149330	7.381 ppbv	100
14) Bromoethene	3.71	108	459307	8.619 ppbv	99
15) Acetone	3.82	43	1188551	7.265 ppbv	99
16) 1,3-Butadiene	3.29	39	626008	8.891 ppbv	98
17) tert-Butyl alcohol	4.27	59	1194234	8.204 ppbv	99
18) 1,1-Dichloroethene	4.27	96	472355	8.443 ppbv	97
19) Isopropyl Alcohol	3.94	45	889045	8.148 ppbv	100
20) Methylene Chloride	4.32	84	409911	7.569 ppbv	95
21) Allyl Chloride	4.39	41	817593	8.847 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	446909	8.064 ppbv	94
23) Vinyl Acetate	5.06	43	1891556	9.118 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1364348	8.538 ppbv	99
25) Ethyl Acetate	5.67	43	1319023	4.800 ppbv #	79
26) Hexane	5.68	57	1078873	9.055 ppbv	100
27) Carbon Disulfide	4.53	76	1194467	8.506 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1601717	8.827 ppbv	98
29) Chloroform	5.75	83	1647069	8.449 ppbv	95
30) Cyclohexane	7.14	84	896870	9.755 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1082468	9.312 ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	1586961	9.014 ppbv	99
34) 2-Butanone	5.23	43	1620943	9.159 ppbv	100
35) Carbon Tetrachloride	7.03	117	1614624	8.984 ppbv	96
36) Benzene	6.90	78	2158422	9.194 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1273779	8.796 ppbv	100
38) Trichloroethene	7.85	130	801461	8.812 ppbv	98
39) 1,2-Dichloropropane	7.63	63	859815	9.136 ppbv	99
40) 1,4-Dioxane	7.85	88	323979	8.470 ppbv	87
41) Tetrahydrofuran	6.05	42	892918	9.583 ppbv	98
42) Bromodichloromethane	7.81	83	1750021	8.960 ppbv	97
43) Methyl Methacrylate	8.03	69	986148	9.948 ppbv	99

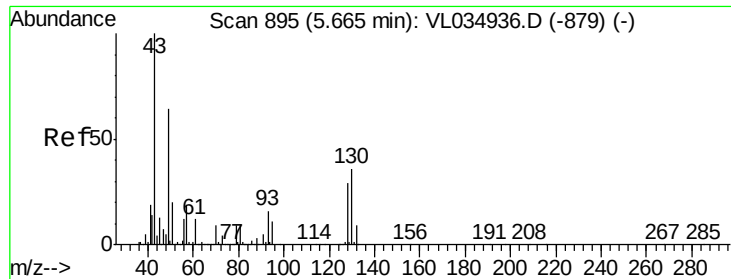
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034945.D
 Acq On : 6 May 2020 16:52
 Operator : SY/AP
 Sample : VL0506ABS01
 Misc : 400ml/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: May 07 06:32:04 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	7.88	57	3752071	8.990	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1077295	10.769	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1290120	10.504	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	871261	8.773	ppbv	95
48) Dibromochloromethane	10.34	129	1413672	9.256	ppbv	100
49) Bromoform	13.09	173	1198663	9.122	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2397156	9.499	ppbv	100
51) 2-Hexanone	10.16	43	1954331	9.901	ppbv #	100
52) Tetrachloroethene	11.26	164	341963	4.097	ppbv	97
53) Toluene	9.83	91	2465764	9.908	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1313591	9.007	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1062832	7.100	ppbv	99
57) Chlorobenzene	12.19	112	1825003	6.940	ppbv	98
58) Ethyl Benzene	12.75	91	3245385	7.907	ppbv	99
59) m/p-Xylene	13.04	91	2450404	6.785	ppbv #	81
60) o-Xylene	13.73	91	2642040	7.414	ppbv	100
61) Styrene	13.57	104	1892902	8.393	ppbv	99
62) Isopropylbenzene	14.71	105	3854935	7.245	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1847693	6.587	ppbv	100
64) n-propylbenzene	15.61	120	1027050	7.526	ppbv	99
65) tert-Butylbenzene	16.79	119	3334592	7.226	ppbv	100
66) Benzyl Chloride	17.04	91	1283808	8.195	ppbv	99
67) sec-Butylbenzene	17.35	105	4821871	7.320	ppbv	99
69) p-Isopropyltoluene	17.70	119	3993499	7.494	ppbv	99
70) n-Butylbenzene	18.60	91	4326107	7.627	ppbv	100
71) 2-Chlorotoluene	15.50	91	2997840	7.464	ppbv	100
72) 4-Ethyltoluene	15.89	105	3080821	7.749	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2919449	7.546	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3018150	7.146	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1741763	7.023	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1768567	7.506	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	1741934	7.455	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1485887	7.460	ppbv	100
79) Naphthalene	22.27	128	3515924	10.690	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1071214	13.251	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	1828368	9.168	ppbv	99

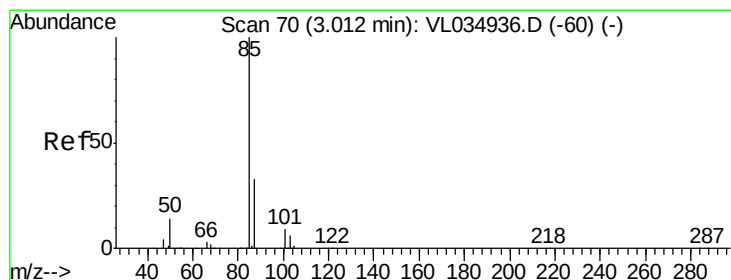
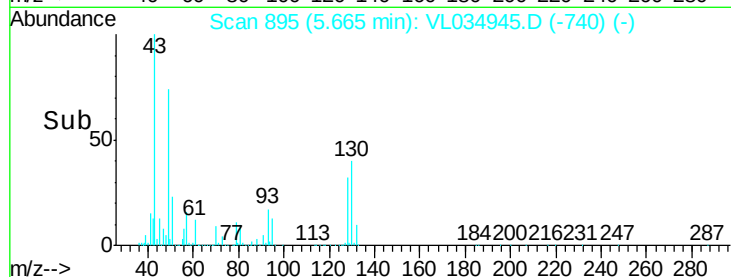
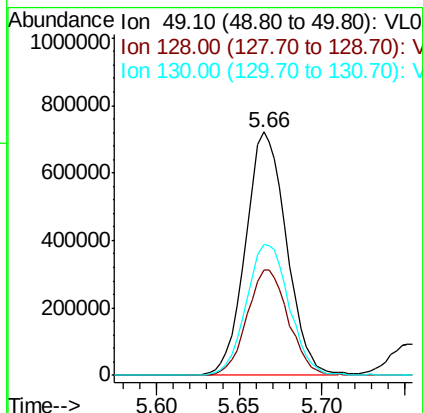
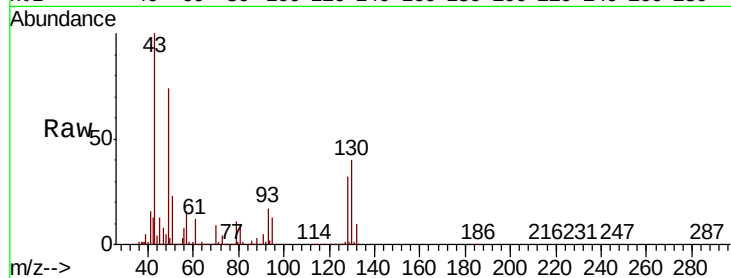
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

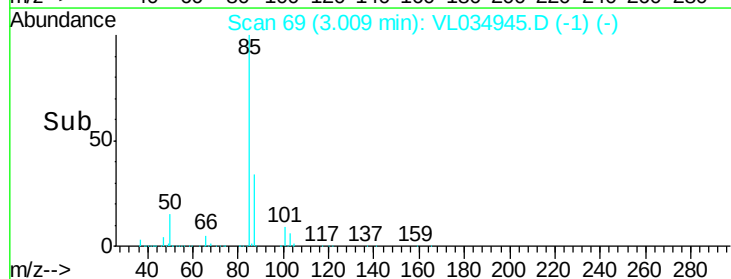
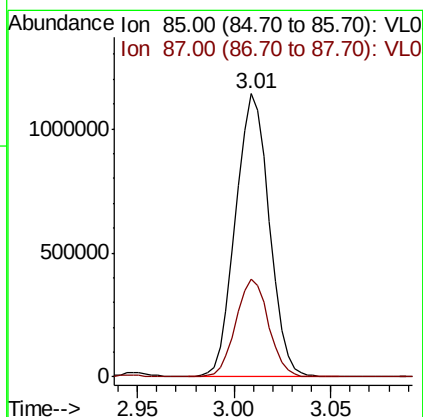
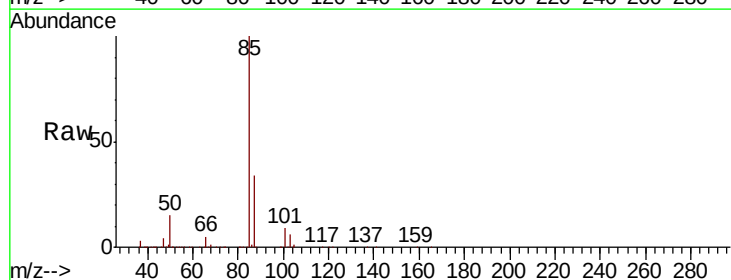
Instrument :
 MSVOA_L
 ClientSampleId :

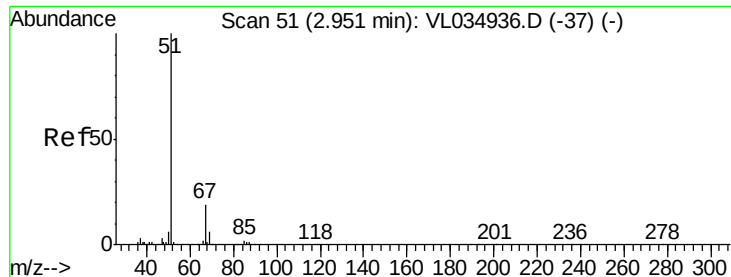
Tot Ion: 49 Resp: 1237531
 Ion Ratio Lower Upper
 49 100
 128 44.1 22.1 66.5
 130 56.6 29.1 87.3



#2
 Dichlorodifluoromethane
 Concen: 7.869 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion: 85 Resp: 1382047
 Ion Ratio Lower Upper
 85 100
 87 34.4 26.2 39.2





#3

Chlorodifluoromethane

Concen: 8.495 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

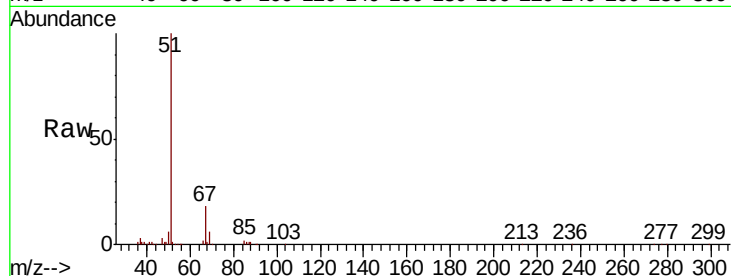
ClientSampled :

Tot Ion: 51 Resp: 1200187

Ion Ratio Lower Upper

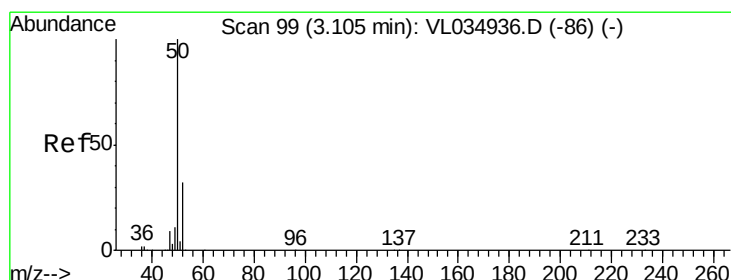
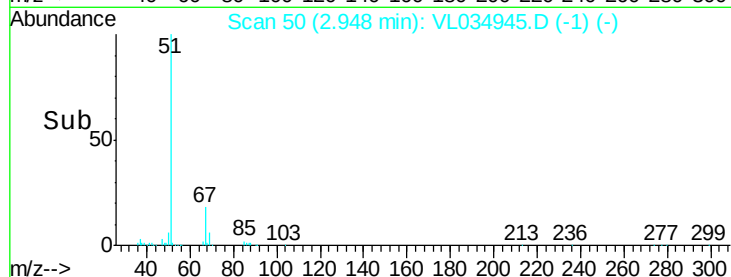
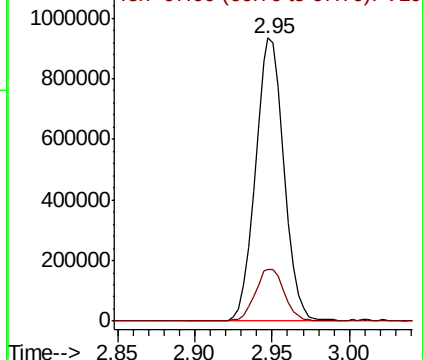
51 100

67 18.7 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: 8.725 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034945.D

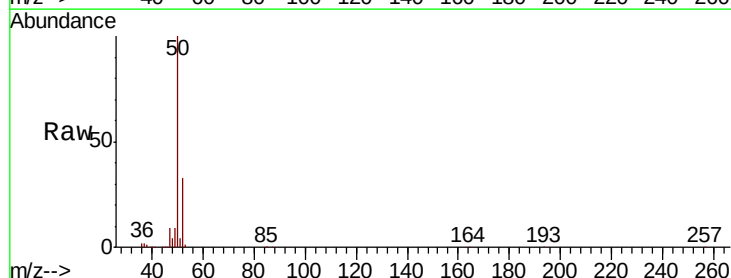
Acq: 6 May 2020 16:52

Tgt Ion: 50 Resp: 706470

Ion Ratio Lower Upper

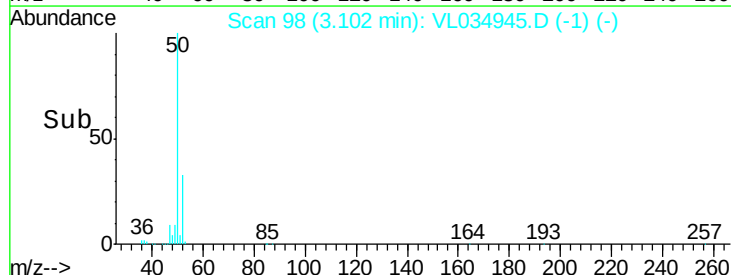
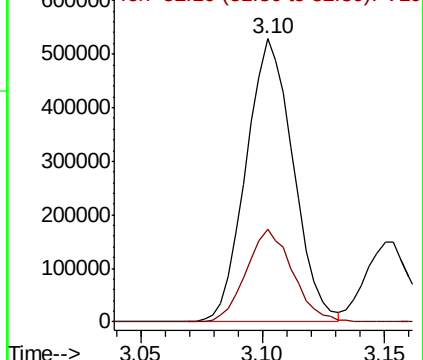
50 100

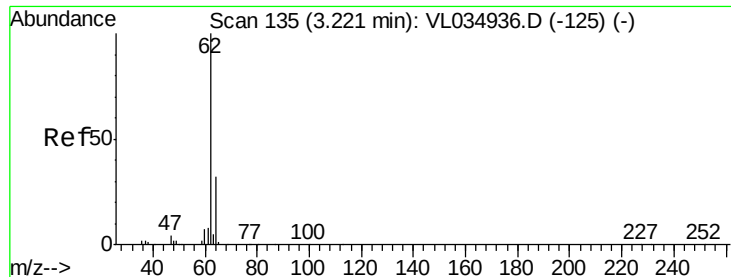
52 32.8 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.508 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

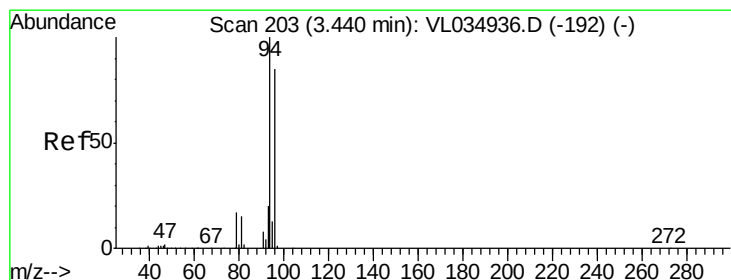
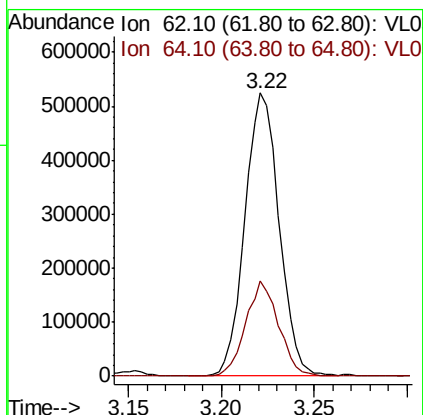
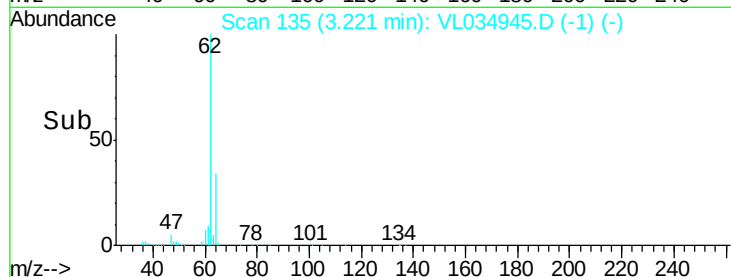
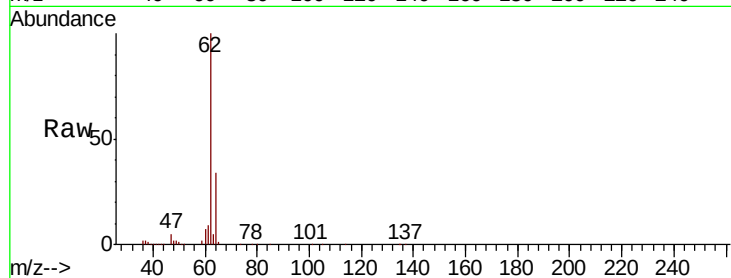
ClientSampleId :

Tot Ion: 62 Resp: 672029

Ion Ratio Lower Upper

62 100

64 33.6 25.7 38.5



#6

Bromomethane

Concen: 8.173 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034945.D

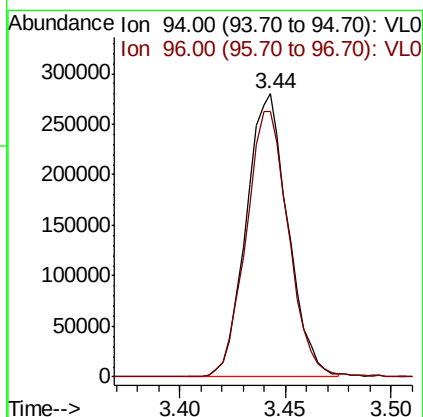
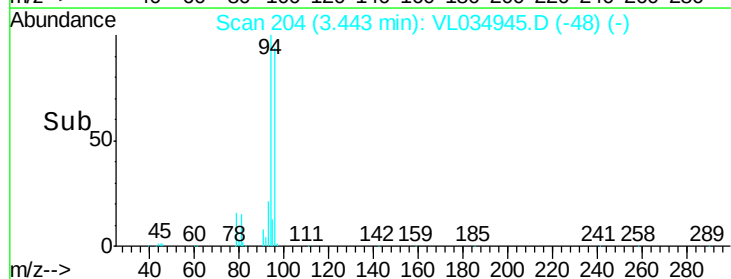
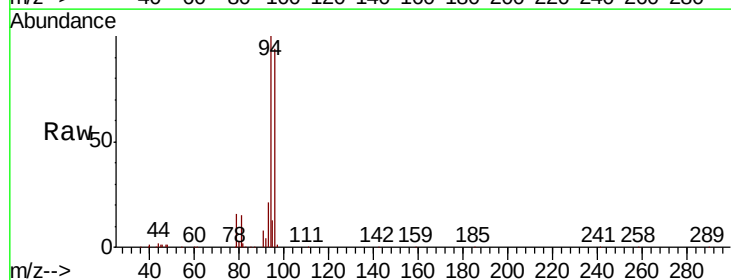
Acq: 6 May 2020 16:52

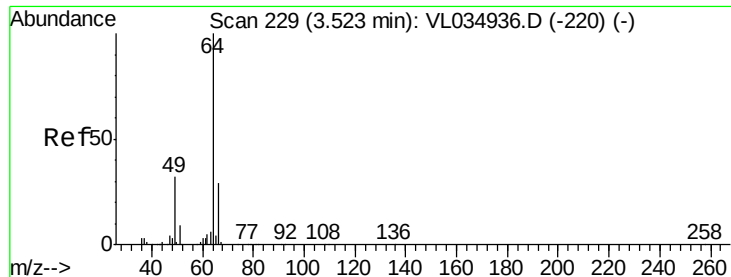
Tgt Ion: 94 Resp: 385464

Ion Ratio Lower Upper

94 100

96 93.6 67.9 101.9





#7

Chloroethane

Concen: 8.615 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

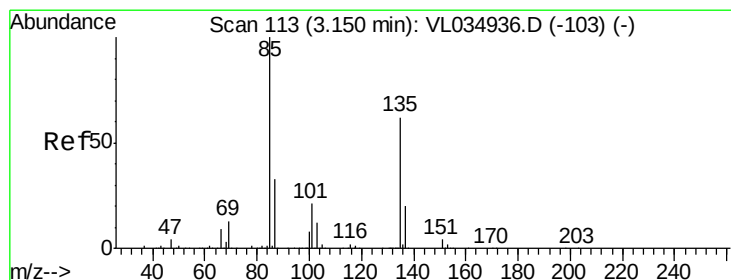
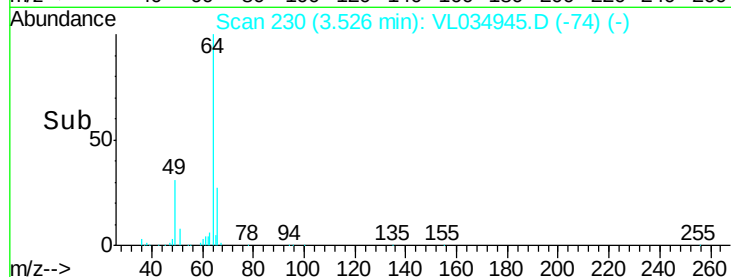
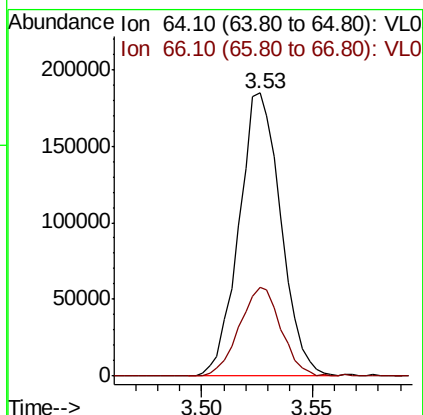
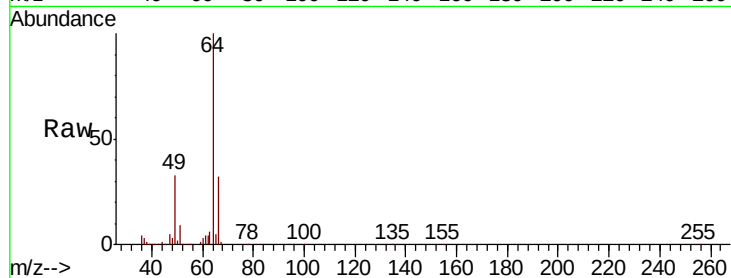
ClientSampled :

Tot Ion: 64 Resp: 244399

Ion Ratio Lower Upper

64 100

66 31.5 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 8.203 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034945.D

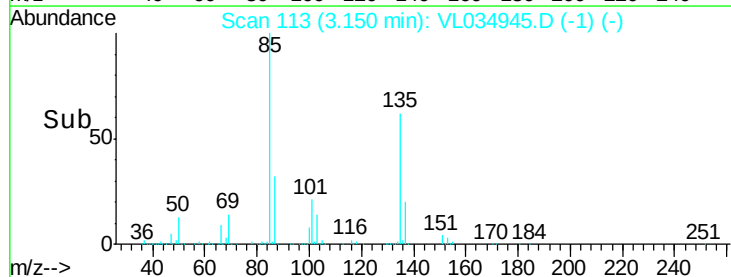
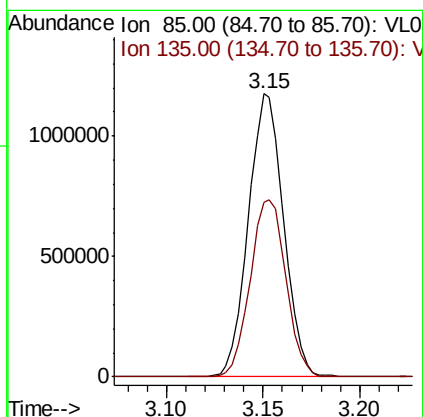
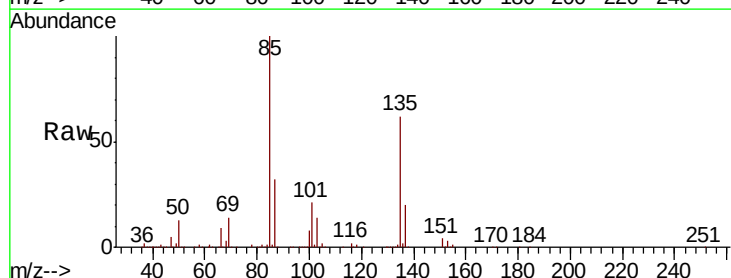
Acq: 6 May 2020 16:52

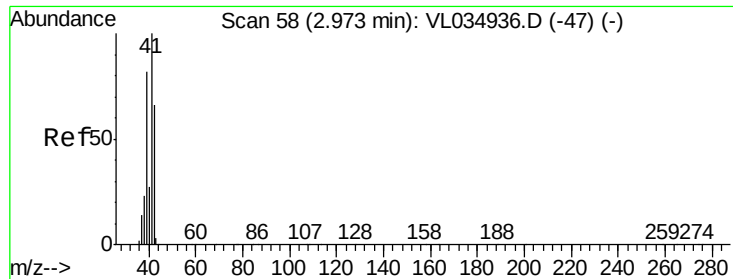
Tgt Ion: 85 Resp: 1491123

Ion Ratio Lower Upper

85 100

135 63.8 50.9 76.3





#9

Propene

Concen: 8.895 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

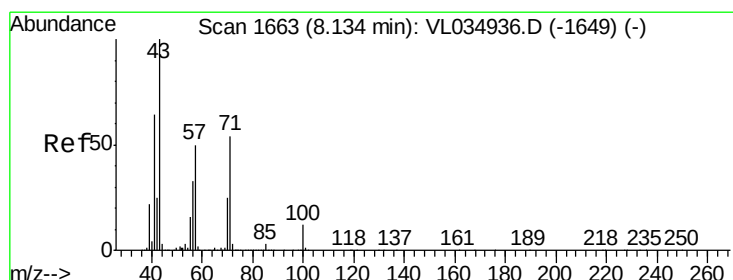
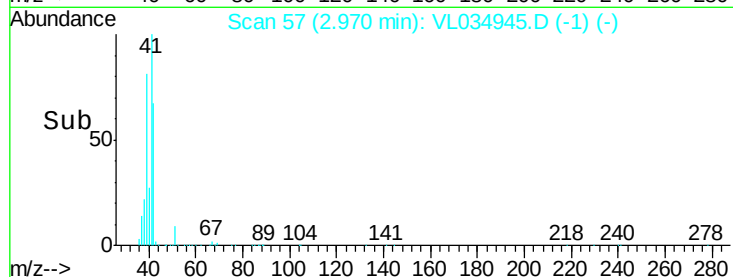
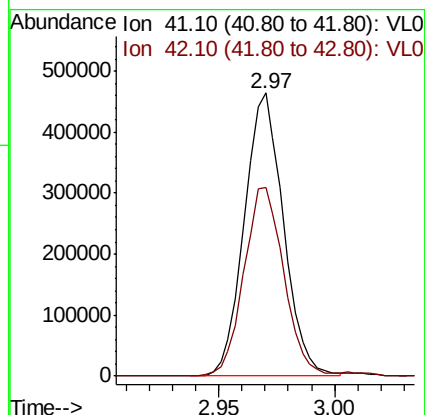
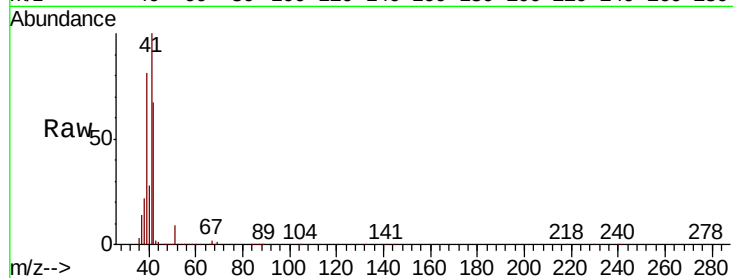
ClientSampleId :

Tot Ion: 41 Resp: 545360

Ion Ratio Lower Upper

41 100

42 69.2 54.5 81.7



#10

Heptane

Concen: 9.588 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034945.D

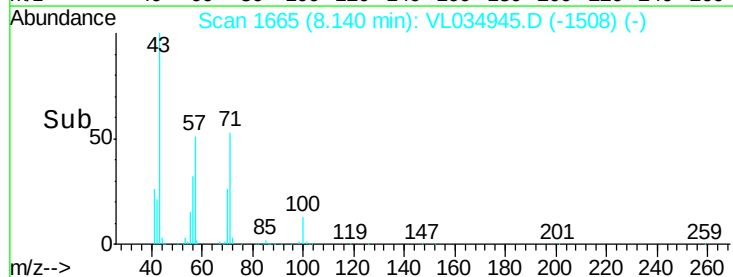
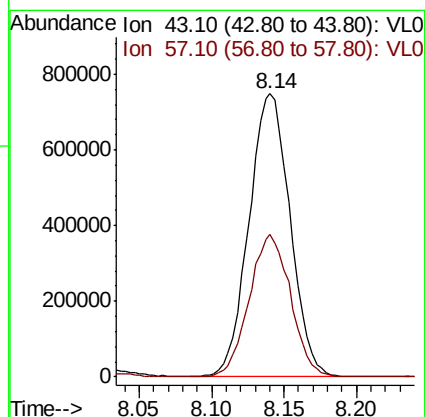
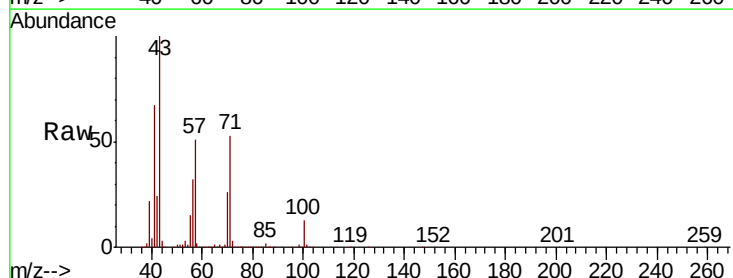
Acq: 6 May 2020 16:52

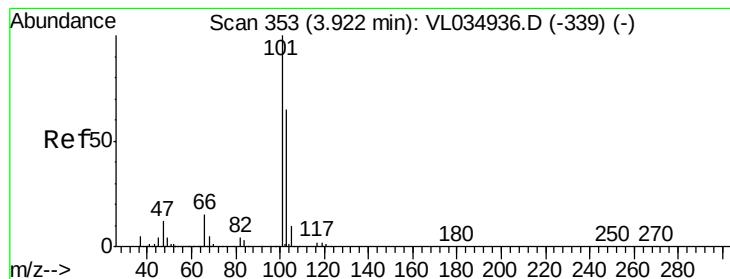
Tgt Ion: 43 Resp: 1472706

Ion Ratio Lower Upper

43 100

57 50.8 41.1 61.7





#11

Trichlorofluoromethane

Concen: 8.112 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

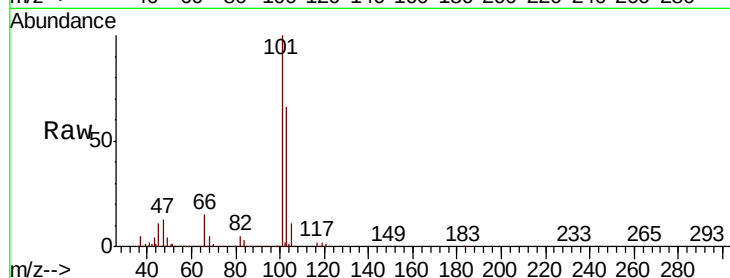
ClientSampleId :

Tot Ion:101 Resp: 1469073

Ion Ratio Lower Upper

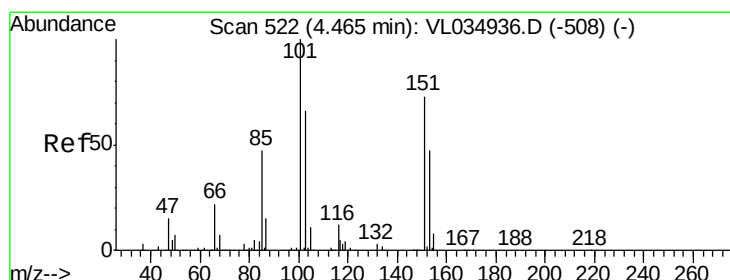
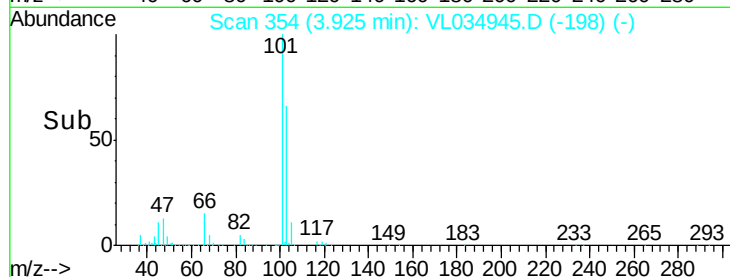
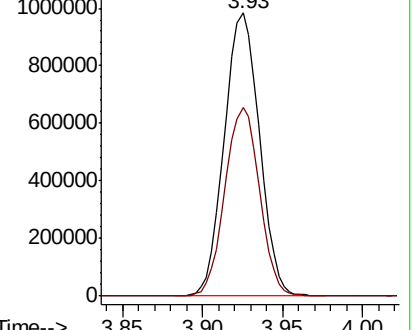
101 100

103 66.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 7.809 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL034945.D

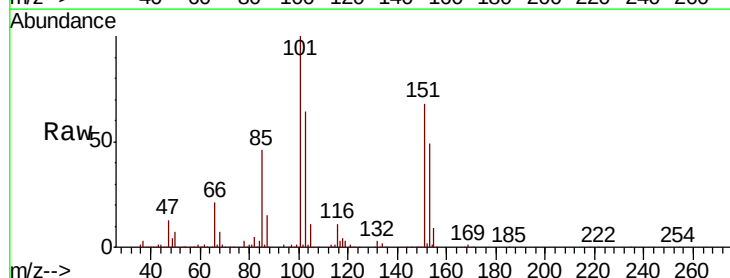
Acq: 6 May 2020 16:52

Tgt Ion:101 Resp: 1006963

Ion Ratio Lower Upper

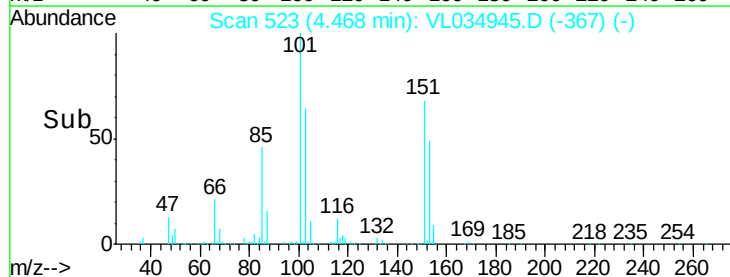
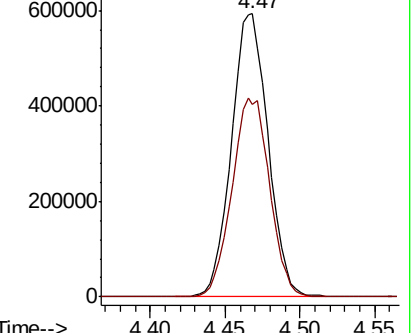
101 100

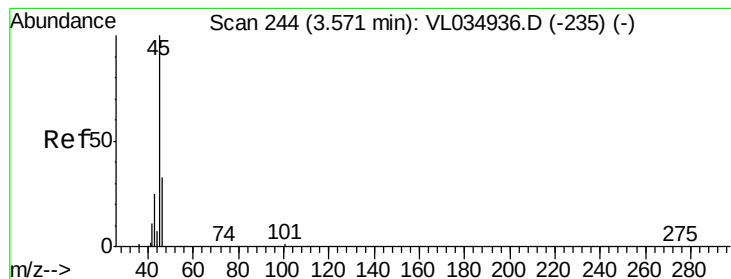
151 72.5 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.381 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

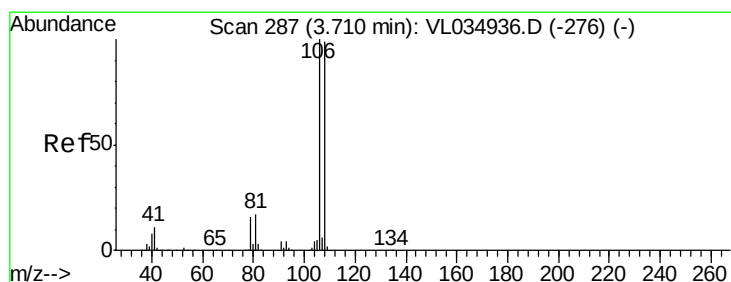
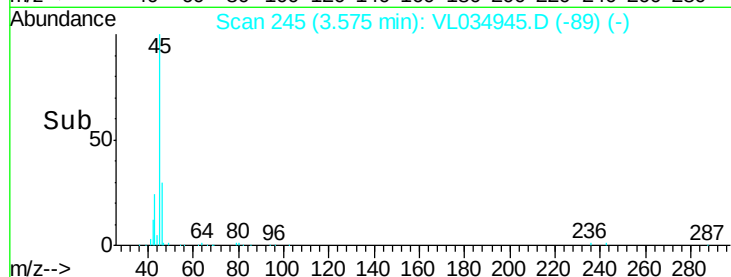
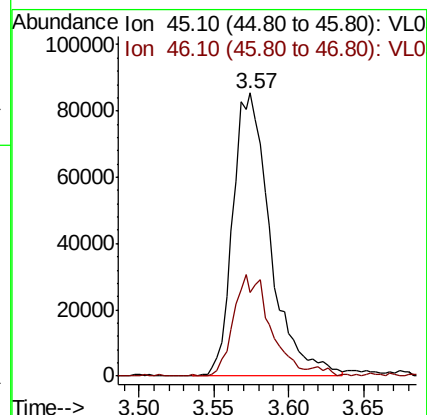
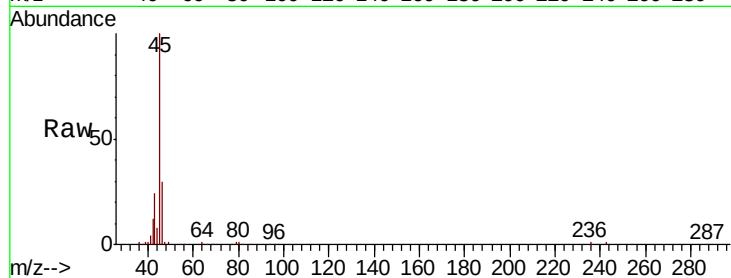
ClientSampleId :

Tot Ion: 45 Resp: 149330

Ion Ratio Lower Upper

45 100

46 36.1 14.3 57.3



#14

Bromoethene

Concen: 8.619 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

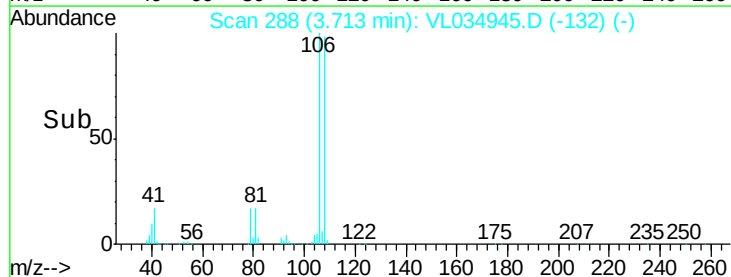
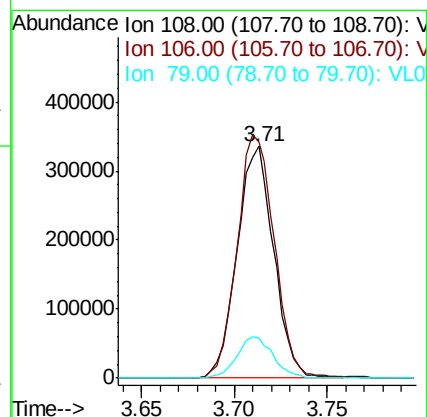
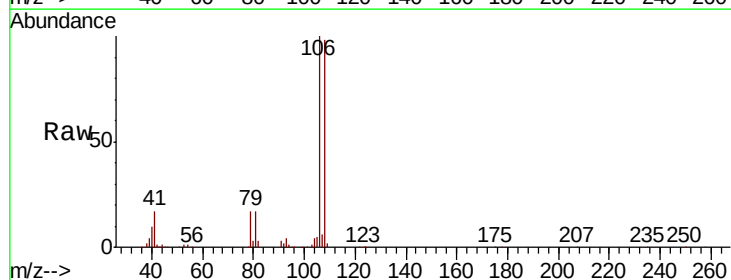
Tgt Ion: 108 Resp: 459307

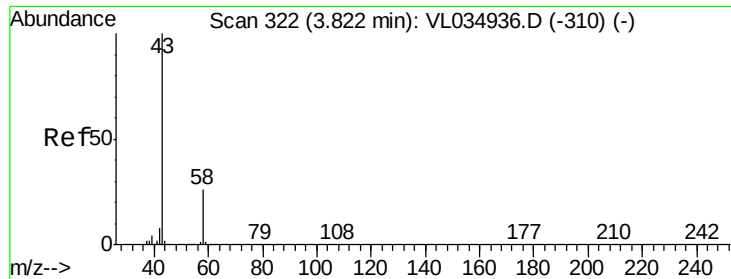
Ion Ratio Lower Upper

108 100

106 107.6 84.9 127.3

79 17.9 14.1 21.1

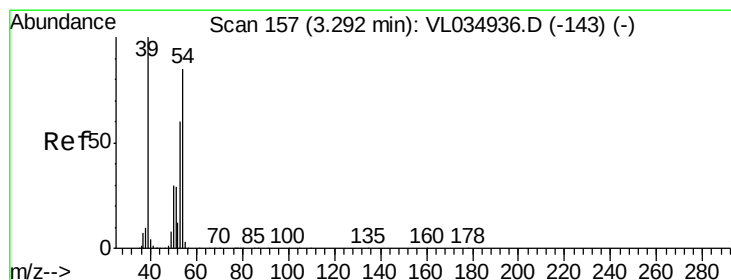
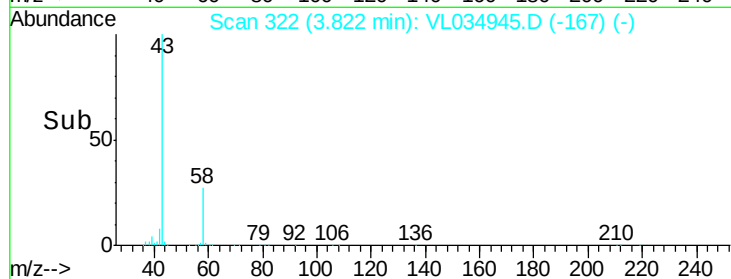
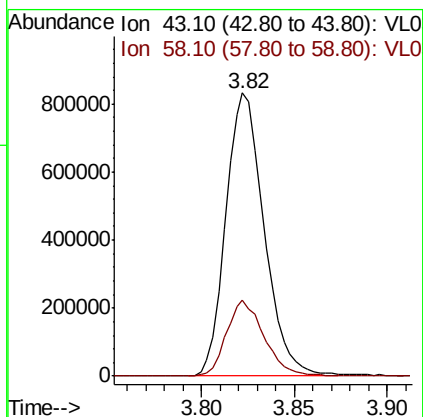
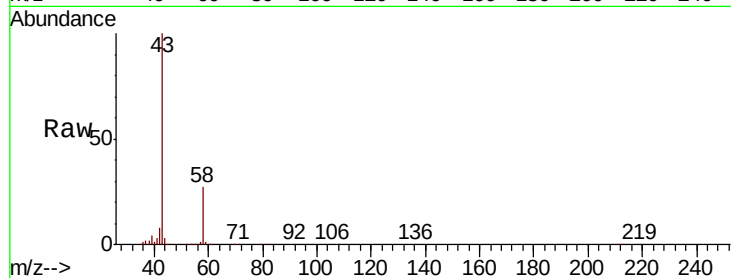




#15
Acetone
Concen: 7.265 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

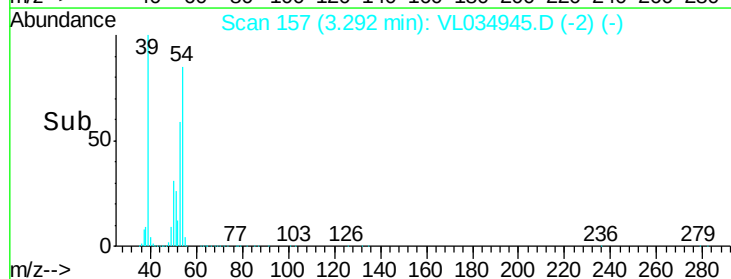
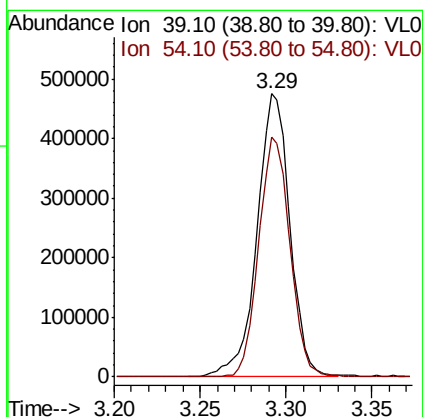
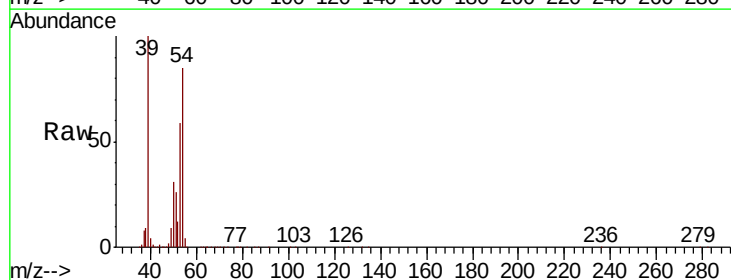
Instrument :
MSVOA_L
ClientSampleId :

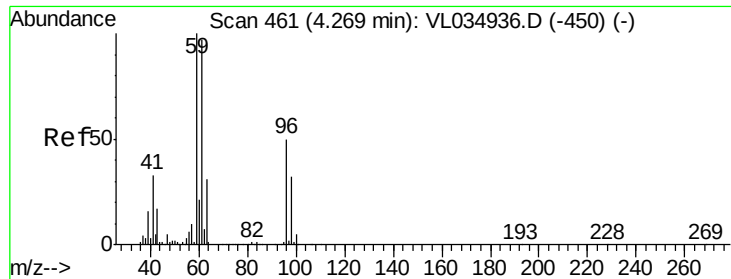
Tot Ion: 43 Resp: 1188551
Ion Ratio Lower Upper
43 100
58 26.6 21.7 32.5



#16
1,3-Butadiene
Concen: 8.891 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion: 39 Resp: 626008
Ion Ratio Lower Upper
39 100
54 81.4 66.6 100.0





#17

tert-Butyl alcohol

Concen: 8.204 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

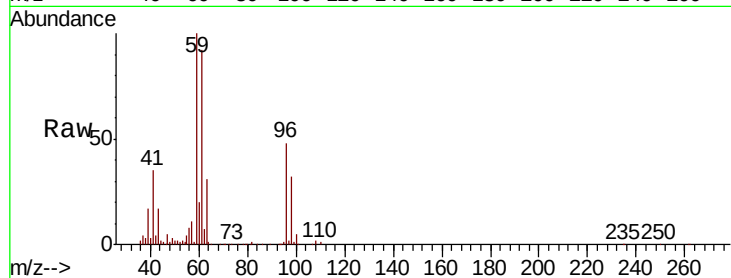
ClientSampleId :

Tot Ion: 59 Resp: 1194234

Ion Ratio Lower Upper

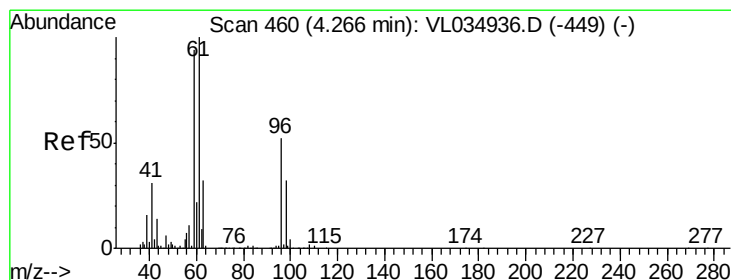
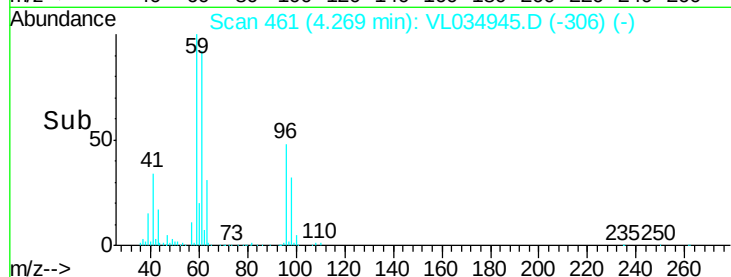
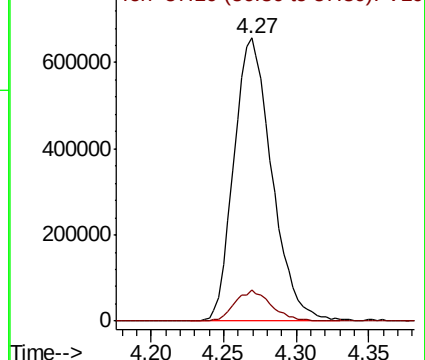
59 100

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



#18

1,1-Dichloroethene

Concen: 8.443 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

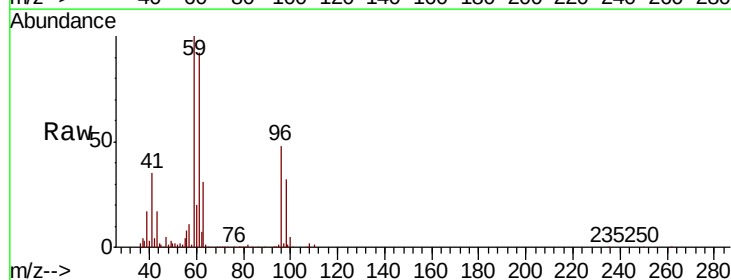
Tgt Ion: 96 Resp: 472355

Ion Ratio Lower Upper

96 100

61 192.9 152.4 228.6

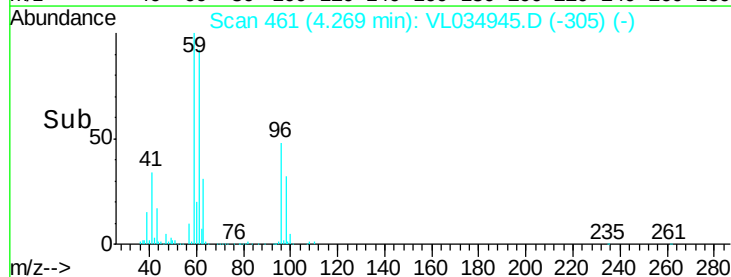
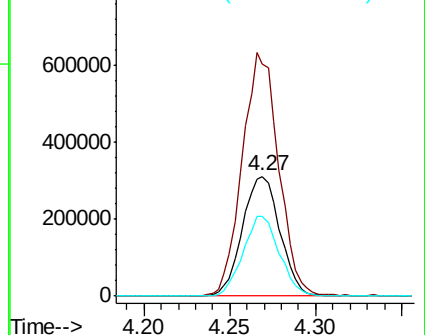
98 66.7 48.8 73.2

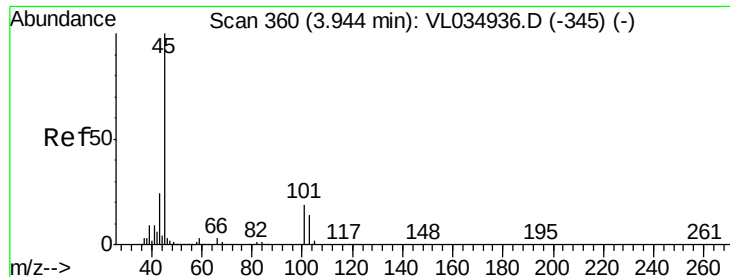


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.148 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

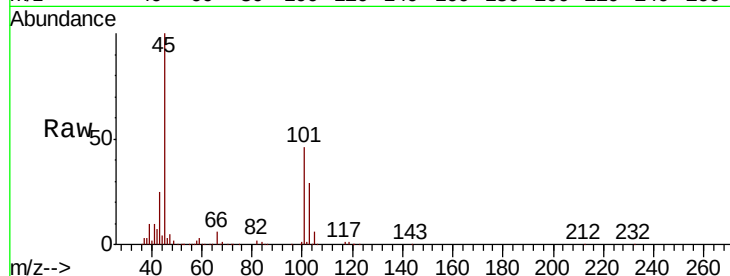
ClientSampleId :

Tot Ion: 45 Resp: 889045

Ion Ratio Lower Upper

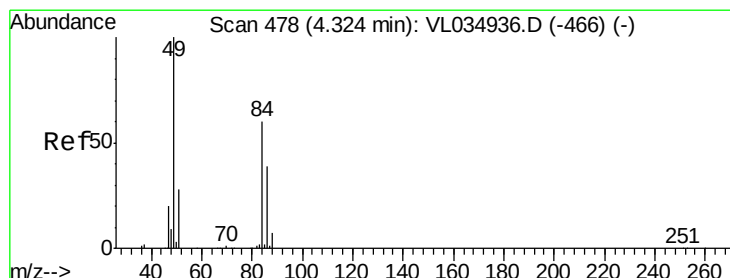
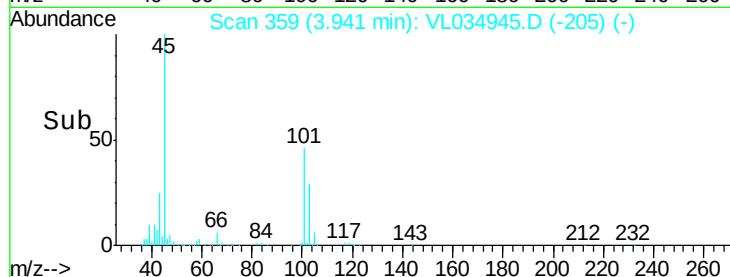
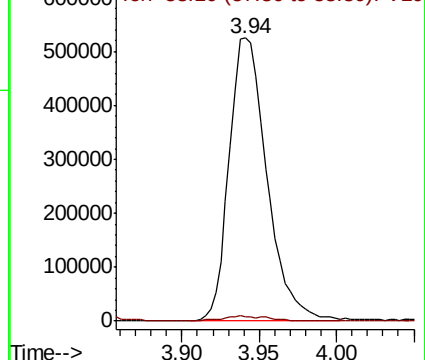
45 100

58 2.0 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: 7.569 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Tgt Ion: 84 Resp: 409911

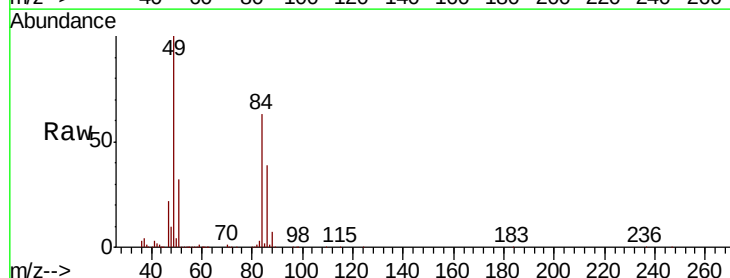
Ion Ratio Lower Upper

84 100

49 158.0 132.5 198.7

51 51.2 38.4 57.6

86 62.8 51.2 76.8

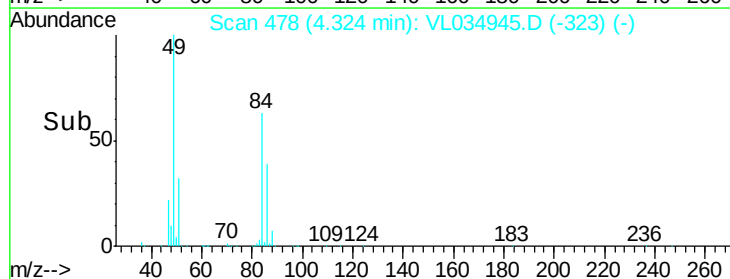
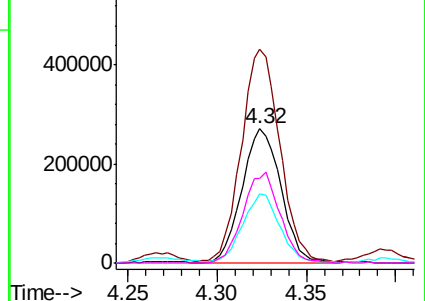


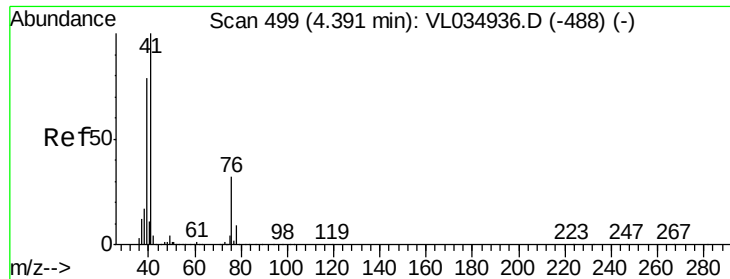
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

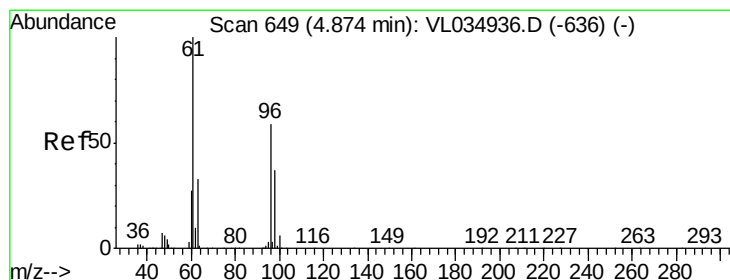
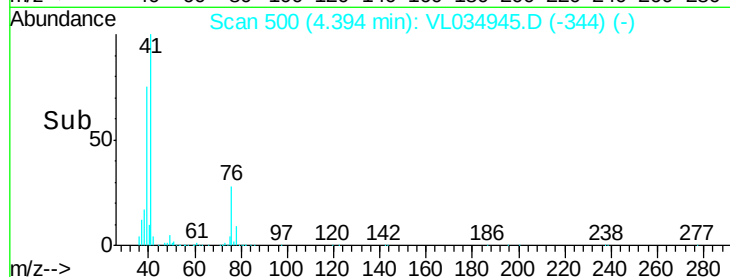
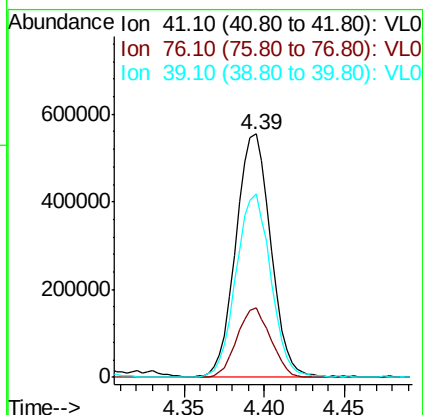
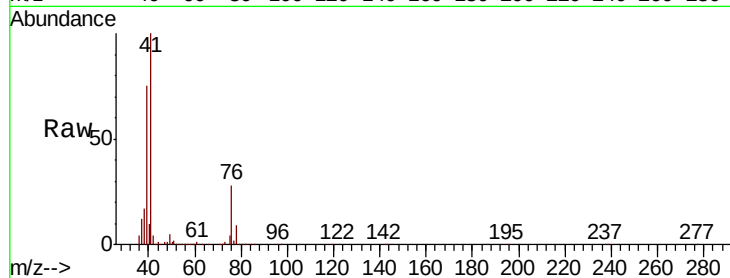




#21
 Allvl Chloride
 Concen: 8.847 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

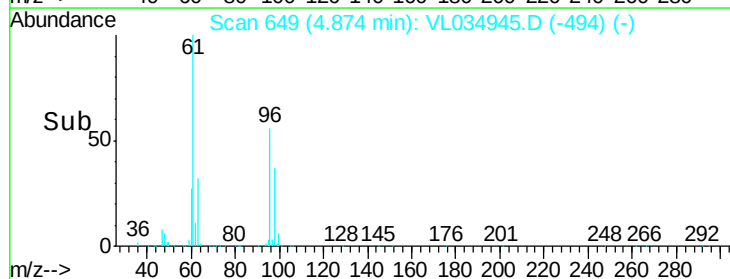
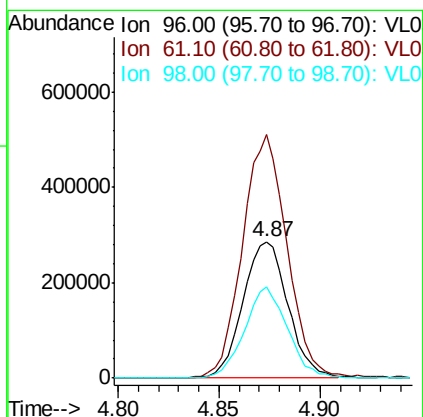
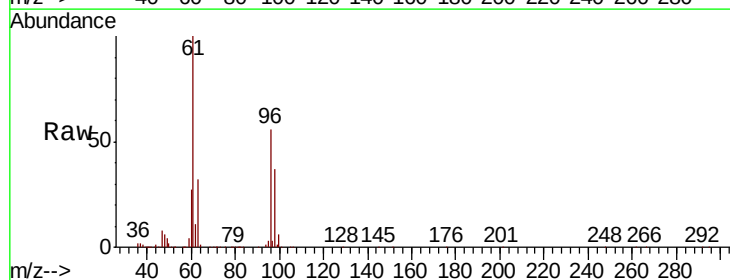
Instrument :
 MSVOA_L
 ClientSampleId :

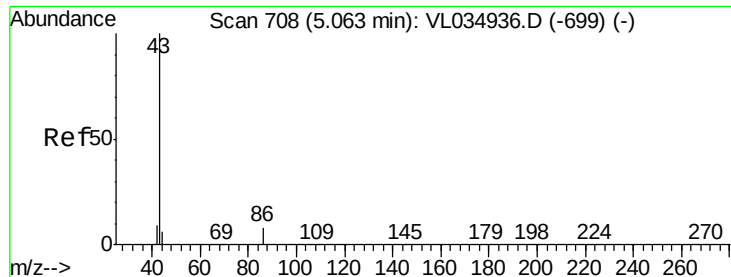
Tot Ion: 41 Resp: 817593
 Ion Ratio Lower Upper
 41 100
 76 27.9 23.6 35.4
 39 75.3 61.9 92.9



#22
 trans-1,2-Dichloroethene
 Concen: 8.064 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion: 96 Resp: 446909
 Ion Ratio Lower Upper
 96 100
 61 178.7 135.3 202.9
 98 66.6 50.4 75.6



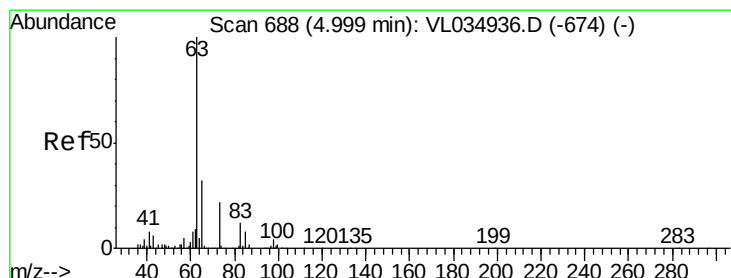
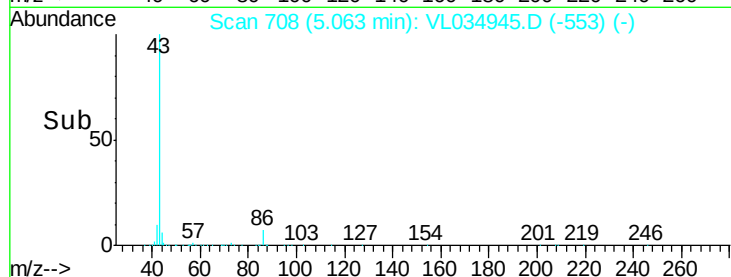
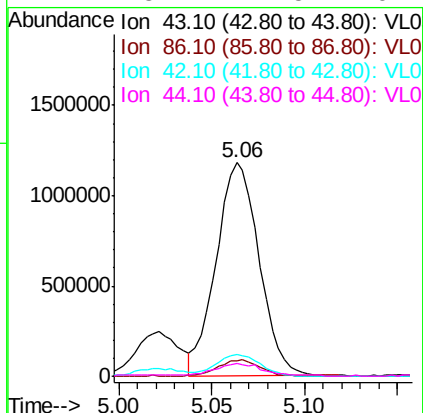
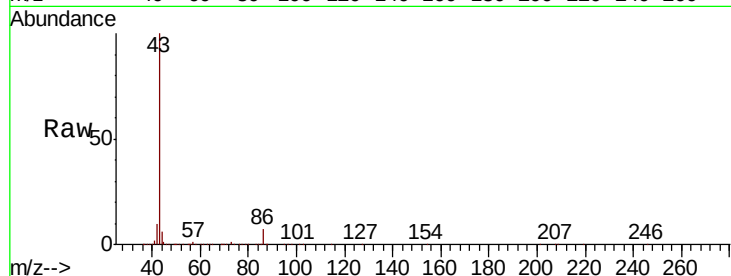


#23
 Vinyl Acetate
 Concen: 9.118 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1891556

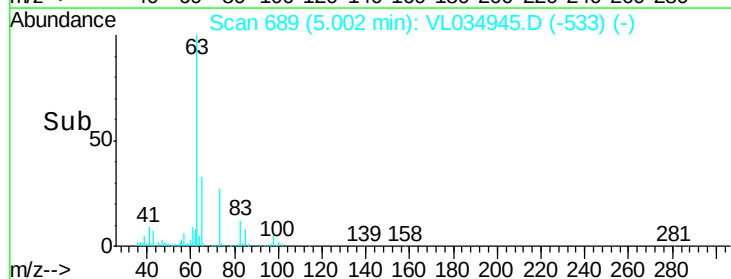
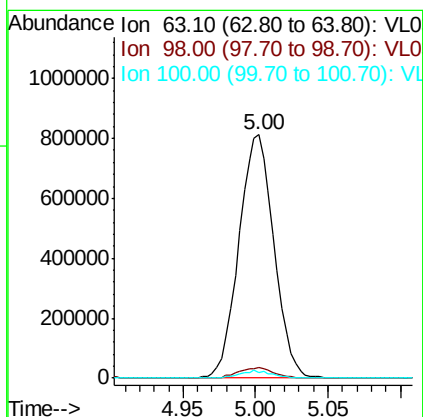
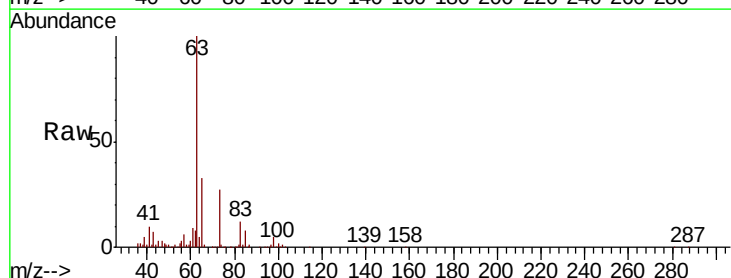
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	10.3	8.0	12.0
44	5.7	4.5	6.7

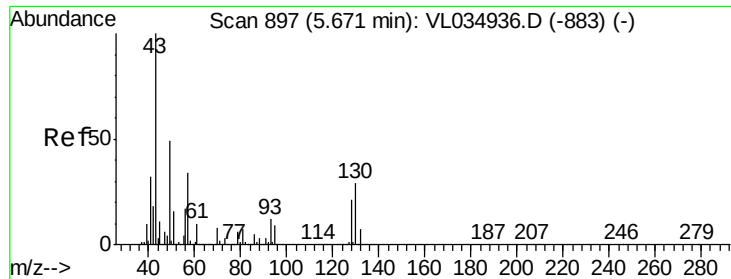


#24
 1,1-Dichloroethane
 Concen: 8.538 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion: 63 Resp: 1364348

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.0	6.0
100	2.5	1.1	3.5

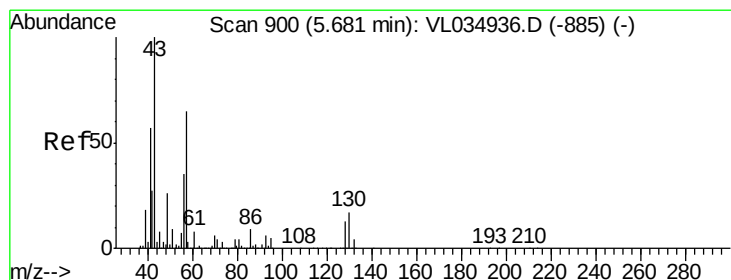
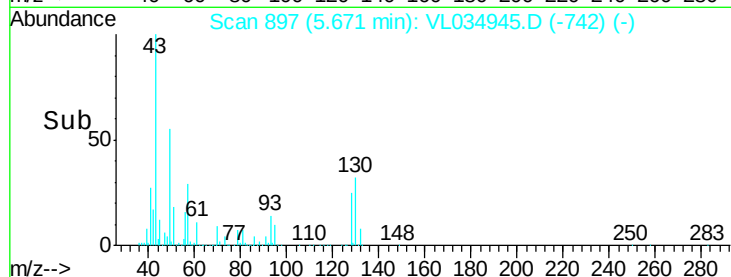
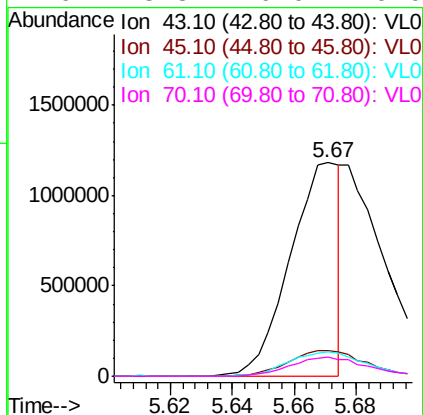
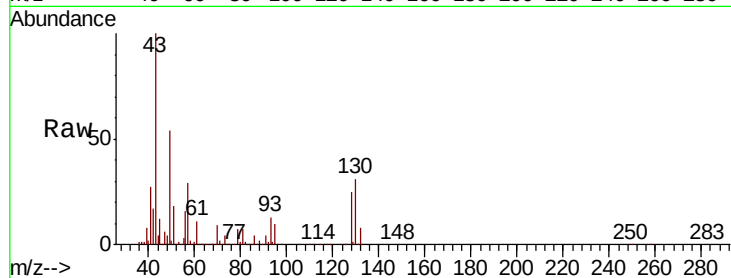




#25
Ethyl Acetate
Concen: 4.800 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

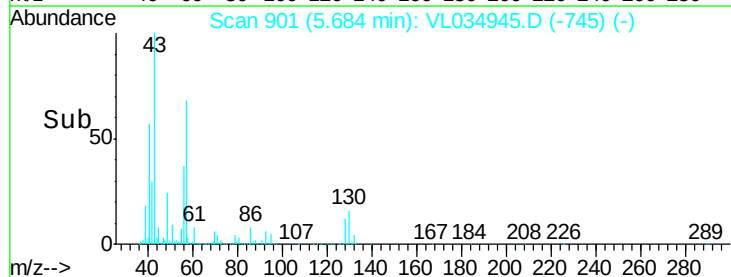
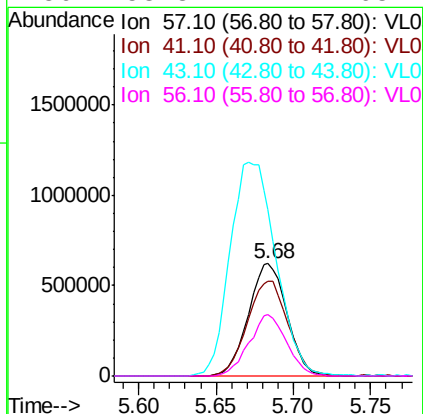
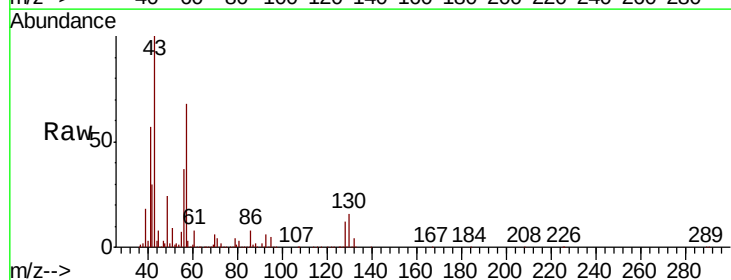
Instrument :
MSVOA_L
ClientSampleId :

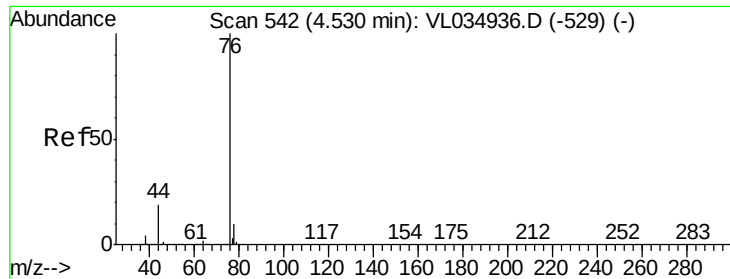
Tot Ion: 43 Resp: 1319023
Ion Ratio Lower Upper
43 100
45 18.8 8.1 12.1#
61 18.0 7.8 11.8#
70 13.8 6.0 9.0#



#26
Hexane
Concen: 9.055 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion: 57 Resp: 1078873
Ion Ratio Lower Upper
57 100
41 90.7 72.7 109.1
43 226.9 182.1 273.1
56 53.3 42.2 63.2





#27

Carbon Disulfide

Concen: 8.506 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

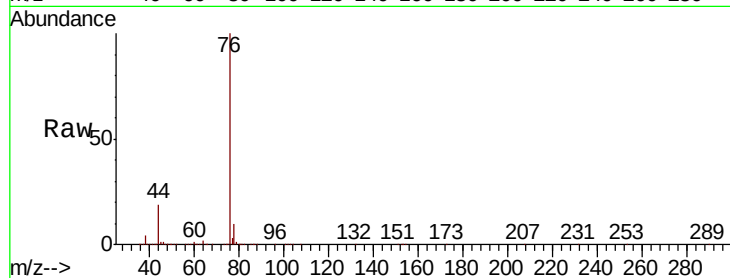
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1194467

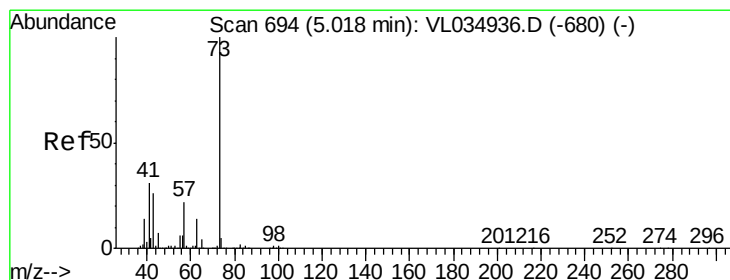
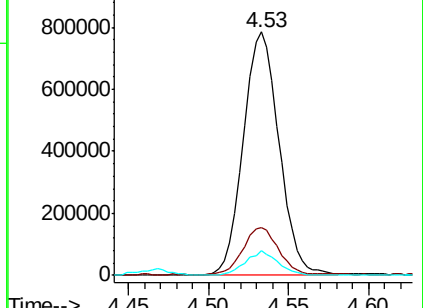
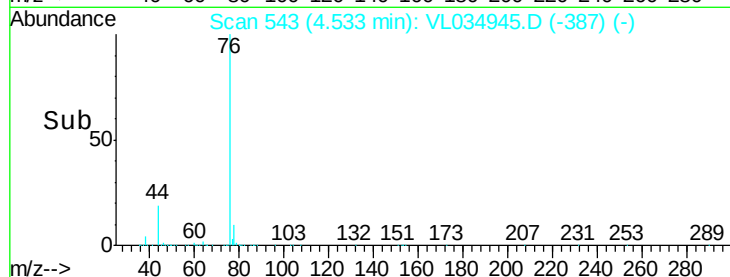
Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.2	22.8
78	9.0	7.7	11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.827 ppbv

RT: 5.02 min Scan# 695

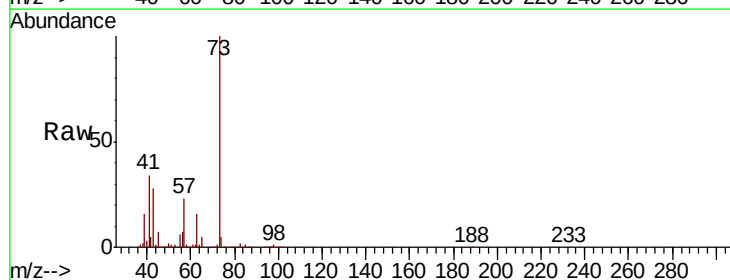
Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

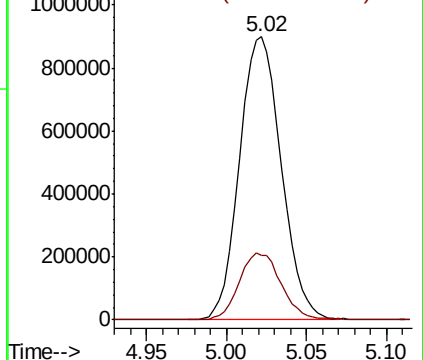
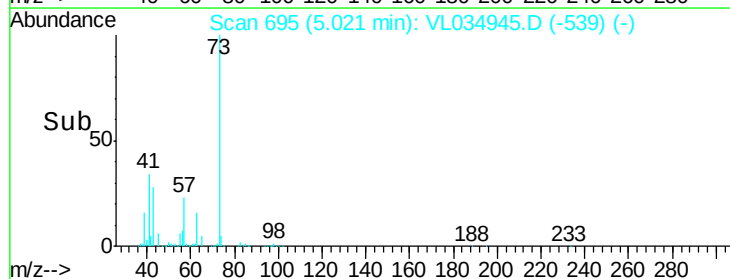
Tgt Ion: 73 Resp: 1601717

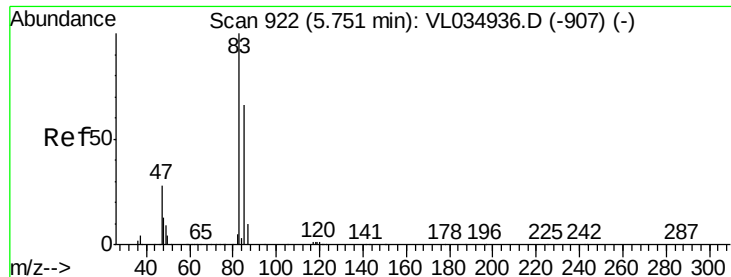
Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.3	27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.449 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

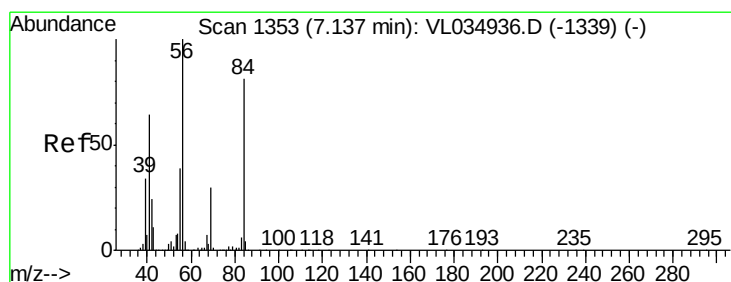
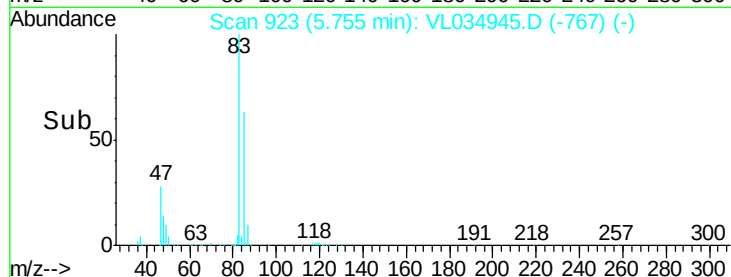
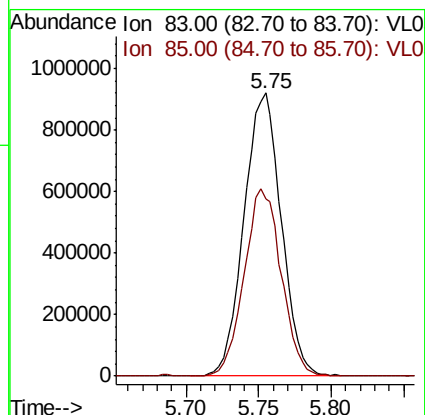
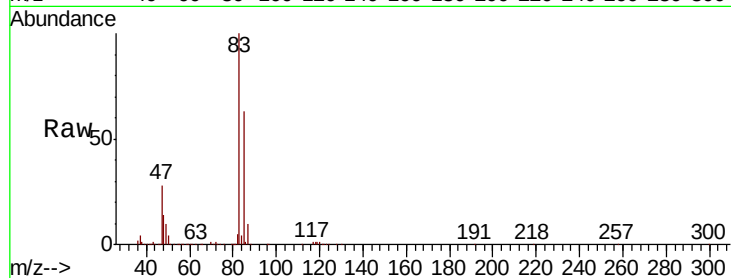
ClientSampleId :

Tot Ion: 83 Resp: 1647069

Ion Ratio Lower Upper

83 100

85 62.6 53.0 79.6



#30

Cyclohexane

Concen: 9.755 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

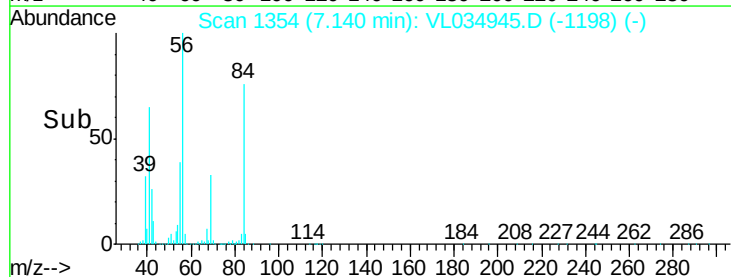
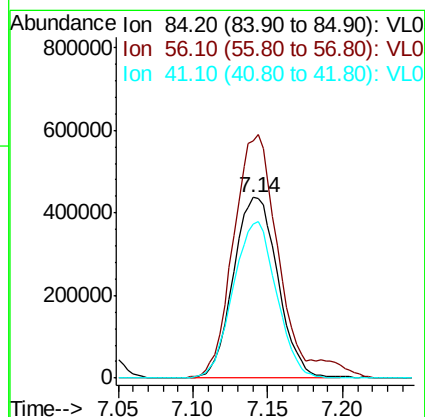
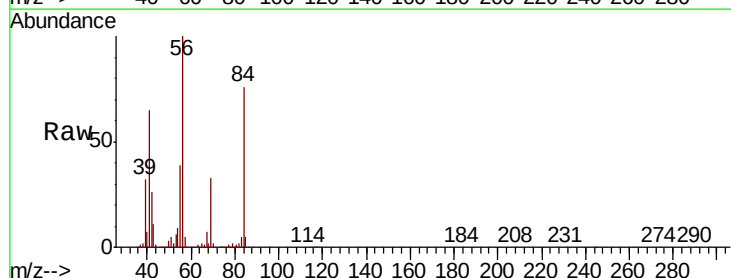
Tgt Ion: 84 Resp: 896870

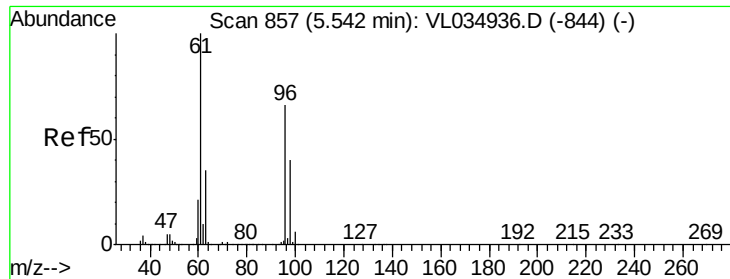
Ion Ratio Lower Upper

84 100

56 140.2 111.4 167.2

41 85.5 66.7 100.1



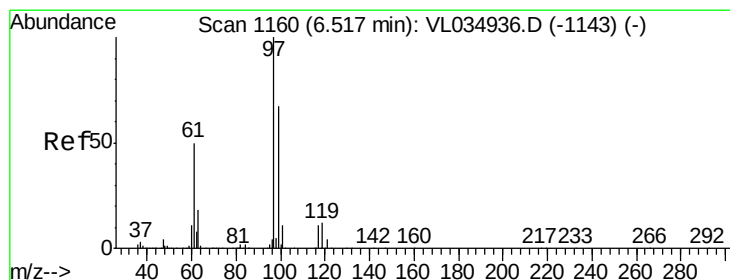
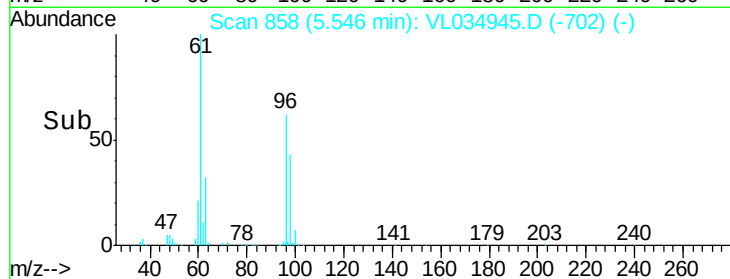
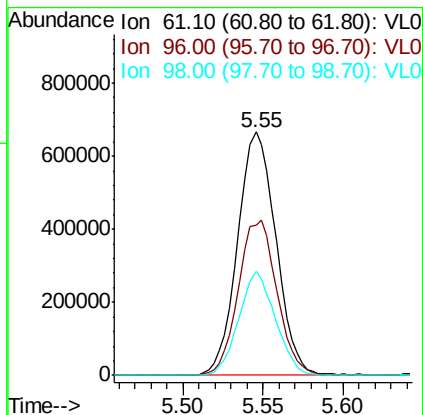
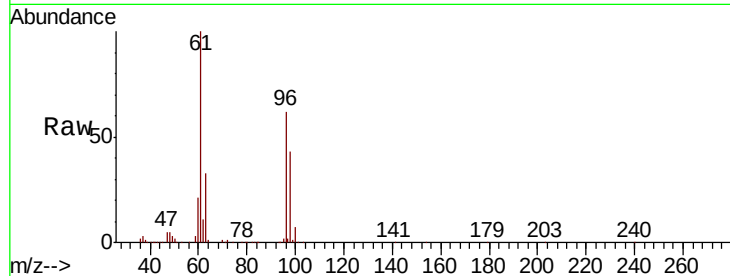


#31

cis-1,2-Dichloroethene
 Concen: 9.312 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Instrument :
 MSVOA_L
 ClientSampleId :

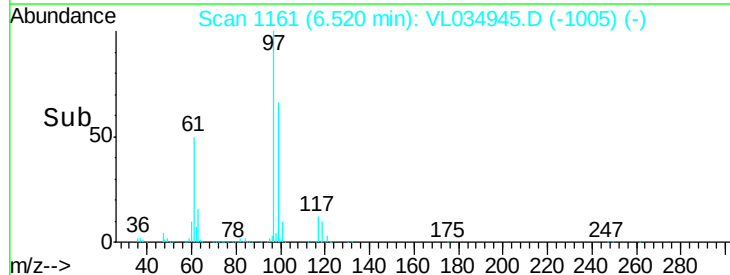
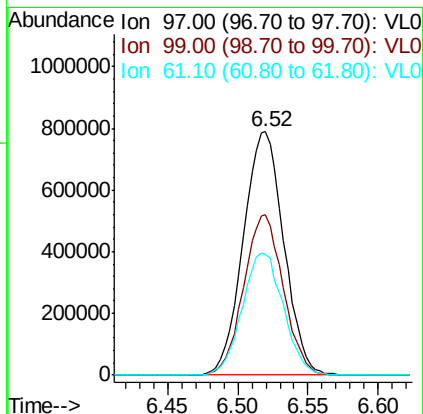
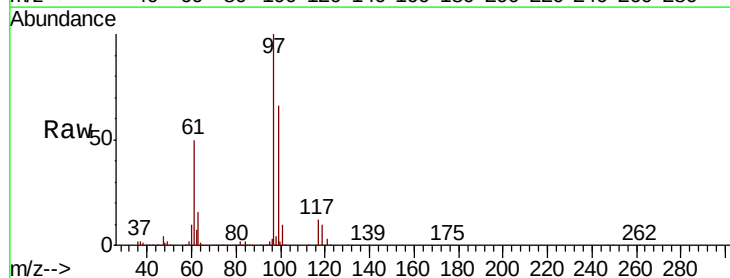
Tot Ion: 61 Resp: 1082468
 Ion Ratio Lower Upper
 61 100
 96 61.6 53.0 79.6
 98 42.7 32.2 48.2

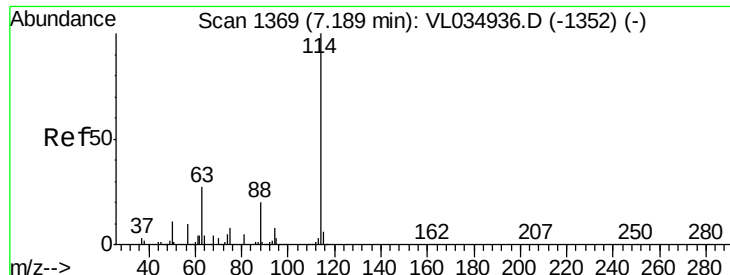


#32

1,1,1-Trichloroethane
 Concen: 9.014 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion: 97 Resp: 1586961
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.1 78.1
 61 51.1 41.8 62.8

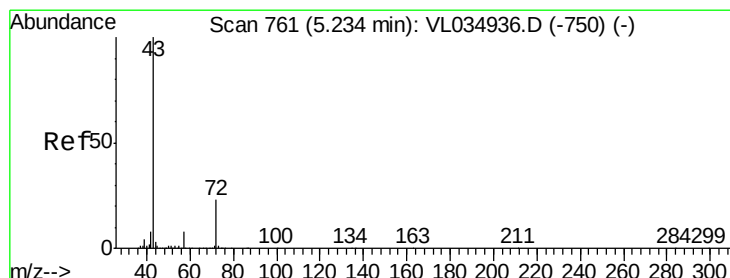
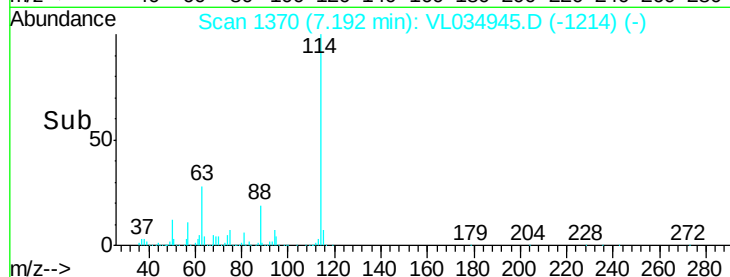
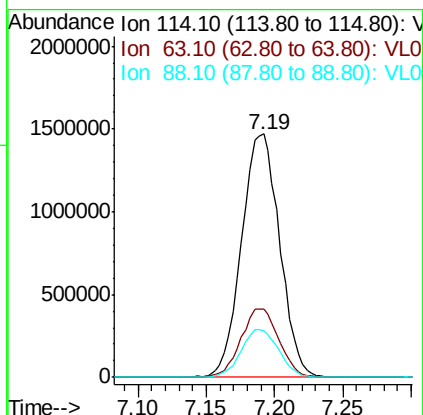
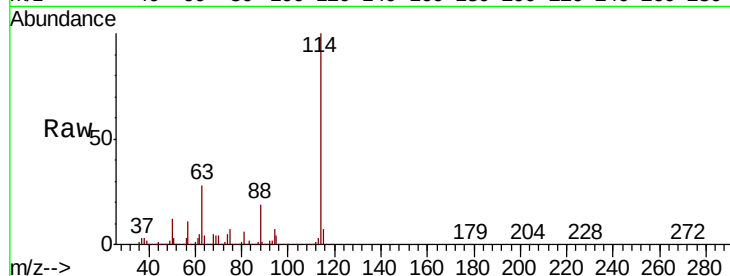




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

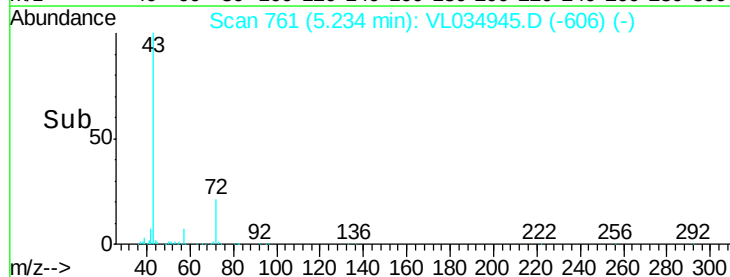
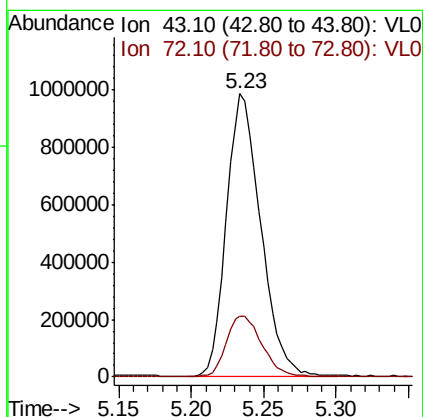
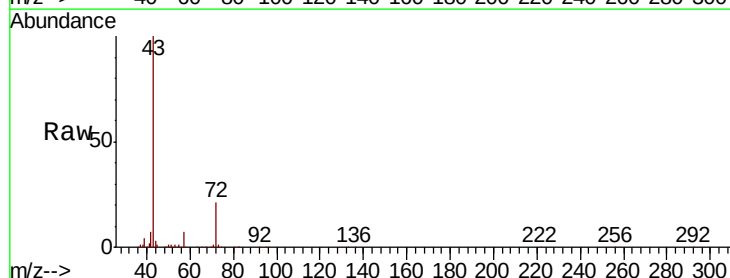
Instrument :
 MSVOA_L
 ClientSampleId :

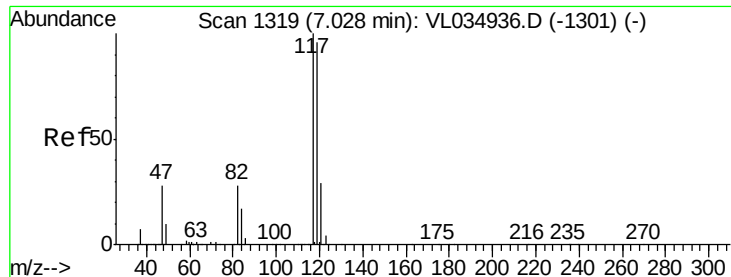
Tot Ion:114 Resp: 2847438
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.2 33.4
 88 19.5 15.5 23.3



#34
 2-Butanone
 Concen: 9.159 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion: 43 Resp: 1620943
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.0 27.0





#35

Carbon Tetrachloride

Concen: 8.984 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

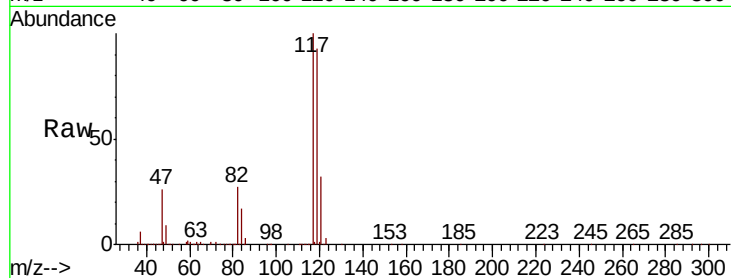
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 1614624

Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.0	115.6
121	31.8	23.0	34.6



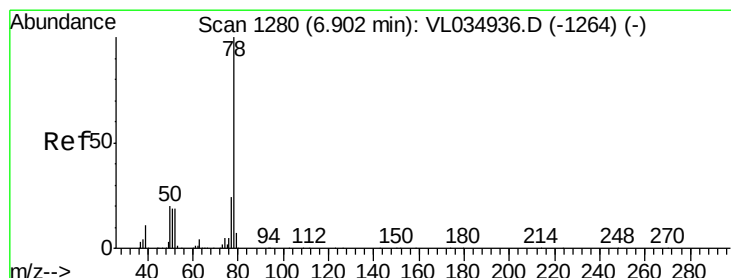
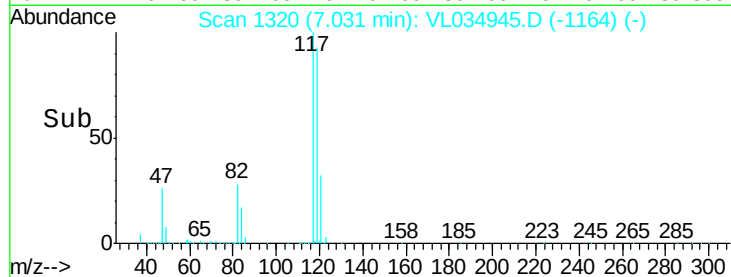
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

7.03

Time-->



#36

Benzene

Concen: 9.194 ppbv

RT: 6.90 min Scan# 1280

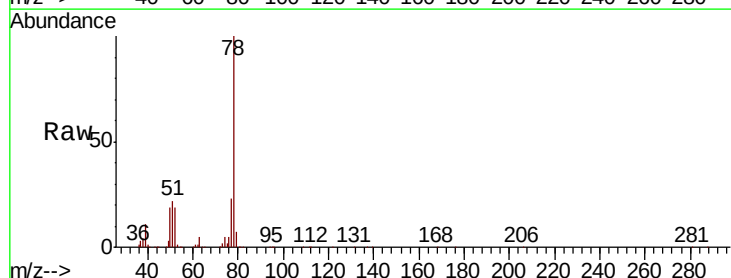
Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Tgt Ion: 78 Resp: 2158422

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6
50	19.5	15.8	23.8



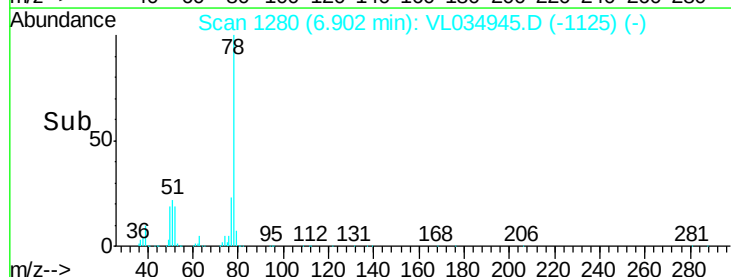
Abundance Ion 78.10 (77.80 to 78.80): VL0

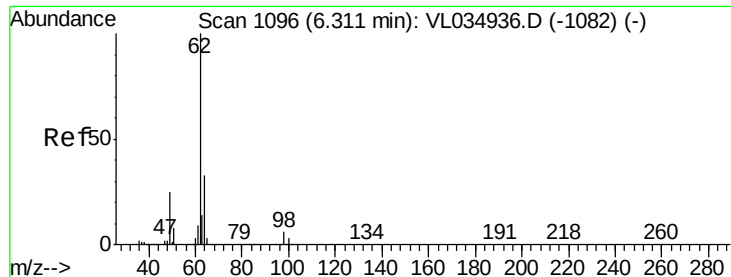
Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

6.90

Time-->





#37

1,2-Dichloroethane

Concen: 8.796 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

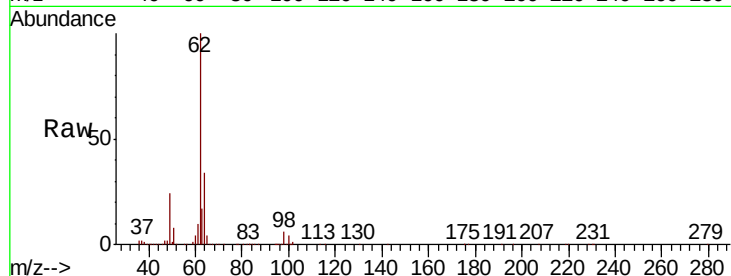
ClientSampleId :

Tot Ion: 62 Resp: 1273779

Ion Ratio Lower Upper

62 100

98 5.9 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

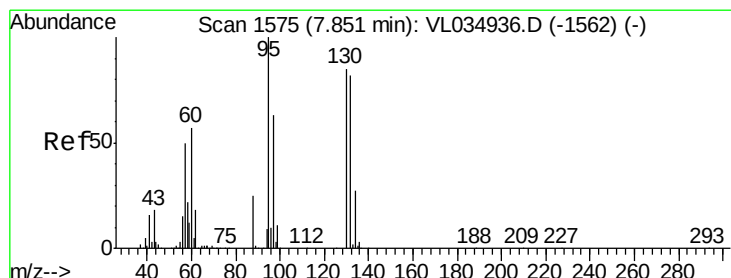
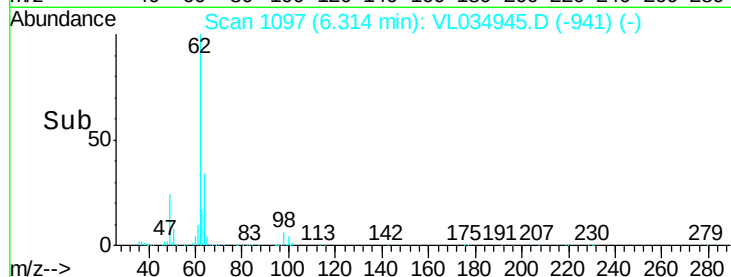
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.812 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Tgt Ion: 130 Resp: 801461

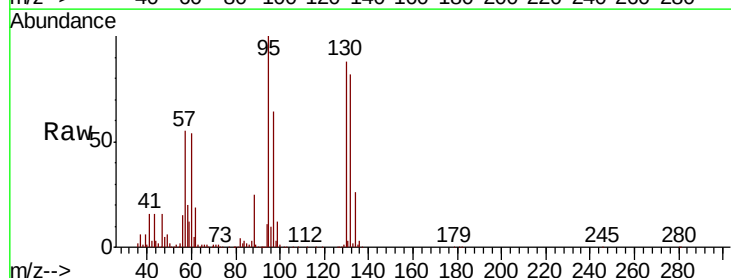
Ion Ratio Lower Upper

130 100

95 114.0 93.4 140.0

132 93.0 76.4 114.6

97 73.0 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

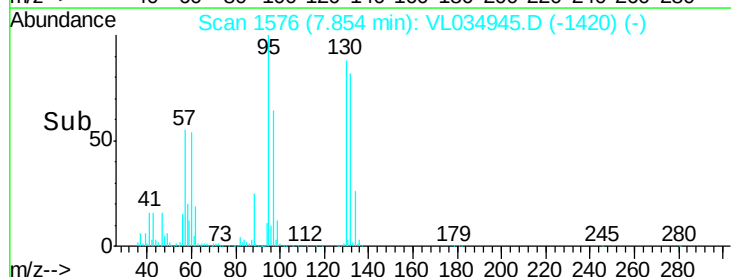
600000

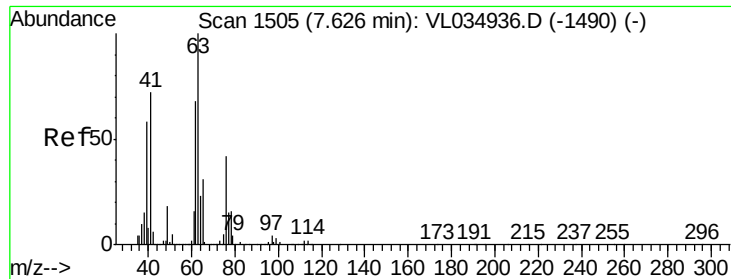
400000

200000

0

Time-->



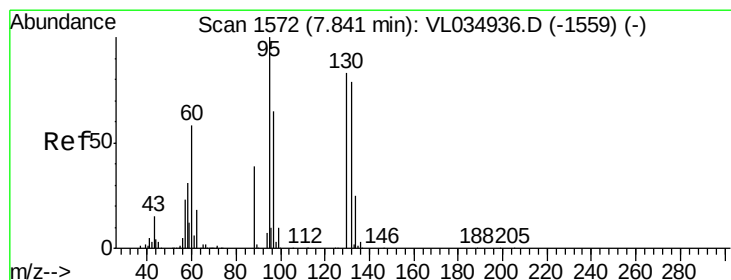
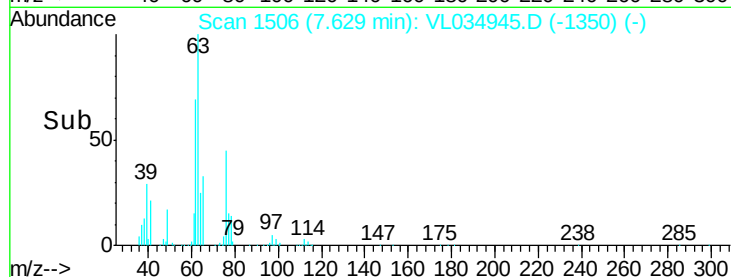
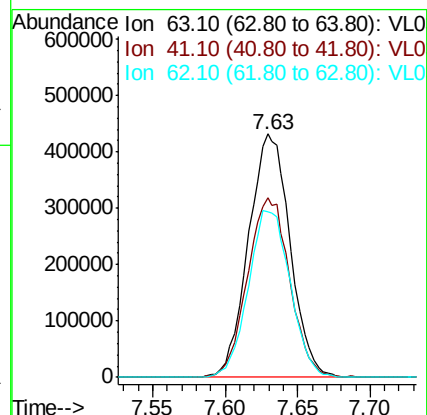
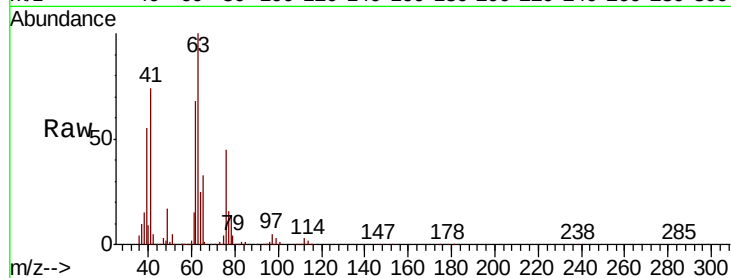


#39
 1,2-Dichloropropane
 Concen: 9.136 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 859815

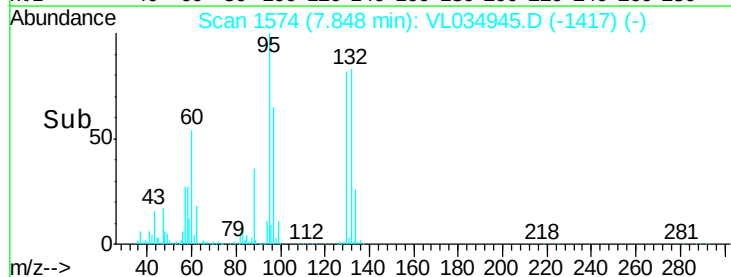
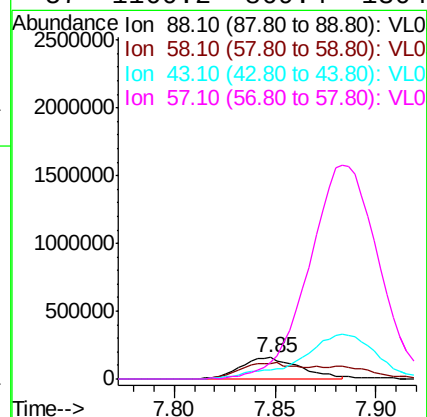
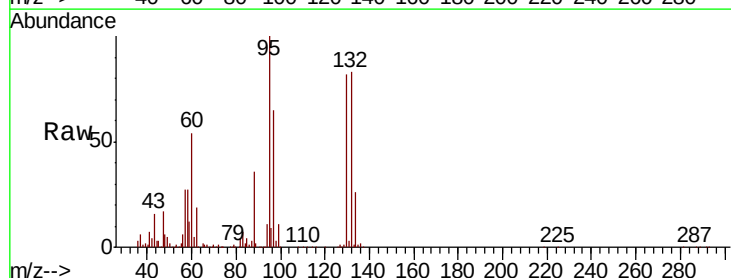
Ion	Ratio	Lower	Upper
63	100		
41	73.5	57.8	86.8
62	68.2	54.2	81.2

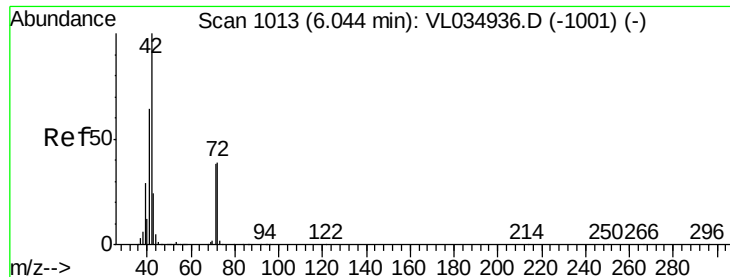


#40
 1,4-Dioxane
 Concen: 8.470 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion: 88 Resp: 323979

Ion	Ratio	Lower	Upper
88	100		
58	135.1	105.1	157.7
43	266.8	202.6	303.8
57	1160.2	869.4	1304.0





#41

Tetrahydrofuran

Concen: 9.583 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

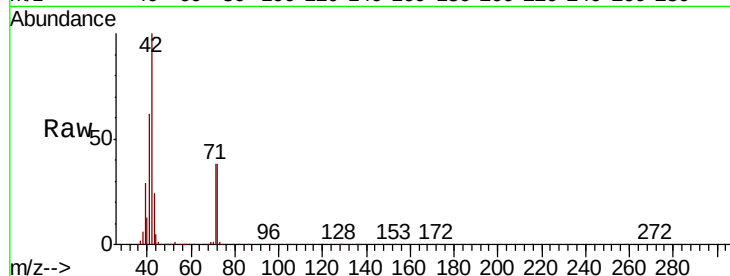
Tot Ion: 42 Resp: 892918

Ion Ratio Lower Upper

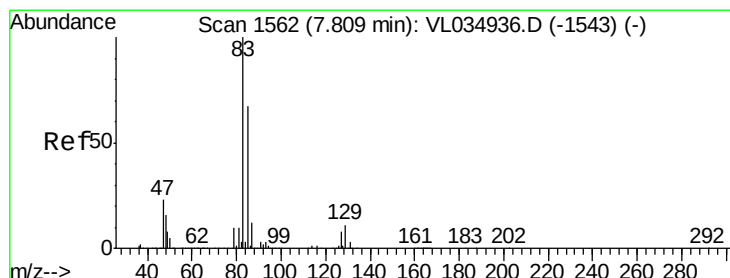
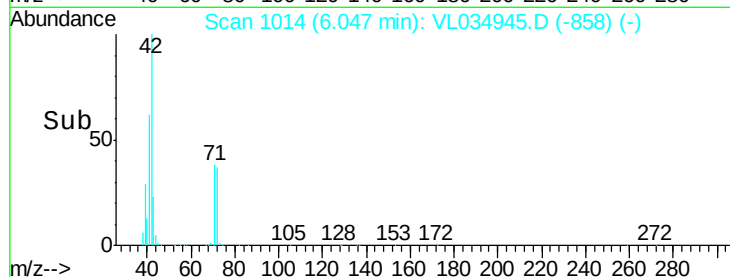
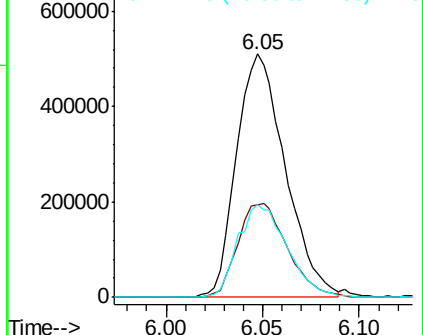
42 100

72 39.5 31.4 47.0

71 38.8 29.8 44.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.960 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

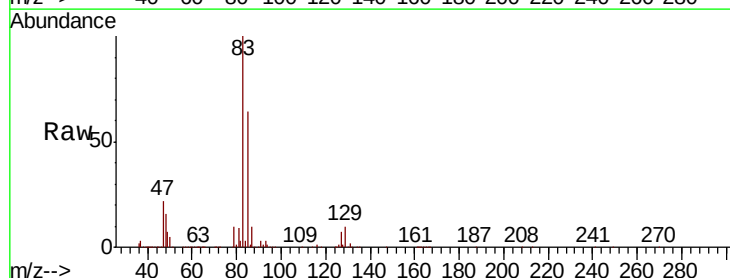
Tgt Ion: 83 Resp: 1750021

Ion Ratio Lower Upper

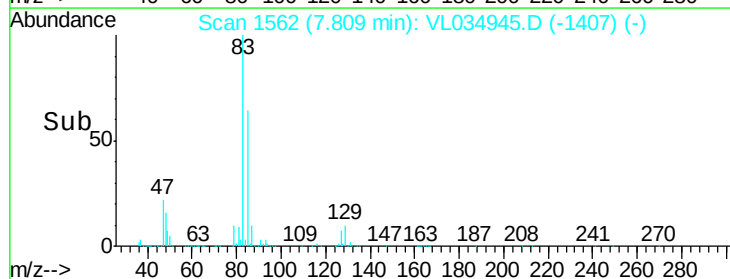
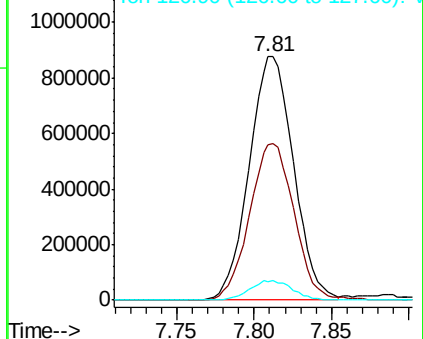
83 100

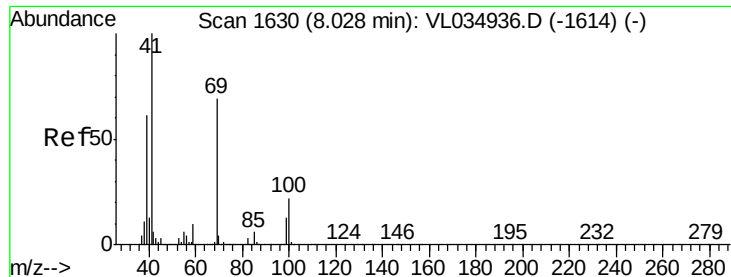
85 63.7 53.4 80.0

127 7.4 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

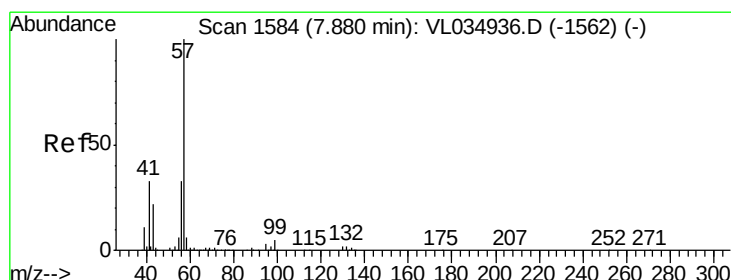
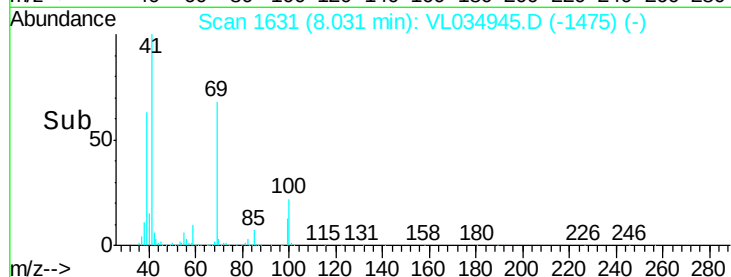
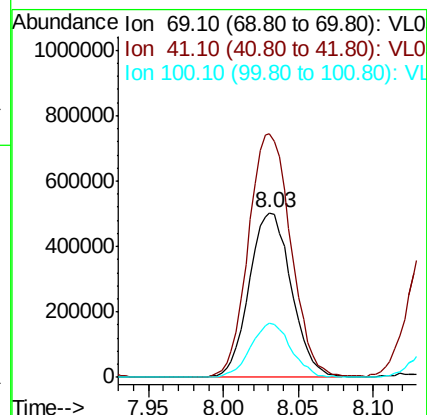
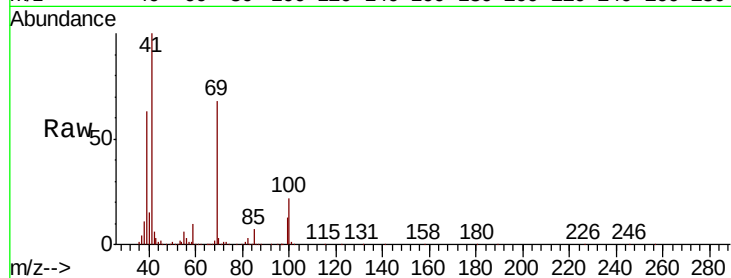




#43
Methyl Methacrylate
Concen: 9.948 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

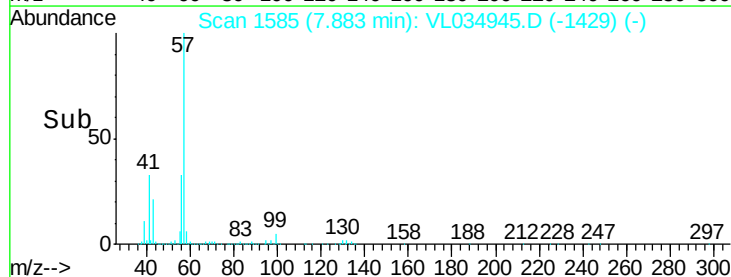
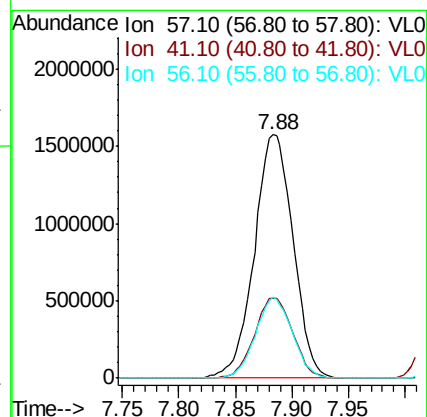
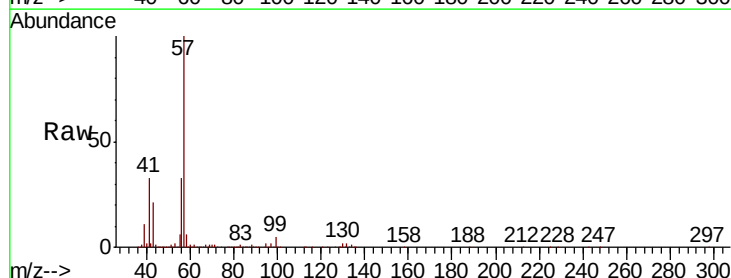
Instrument :
MSVOA_L
ClientSampled :

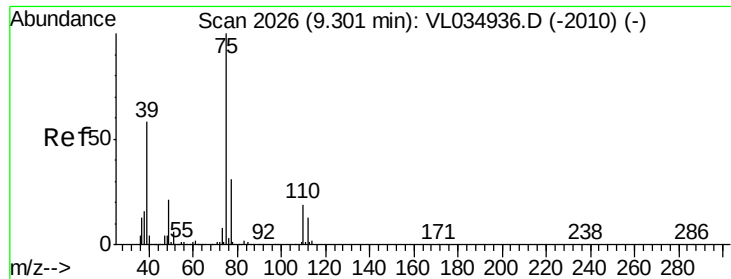
Tot Ion: 69 Resp: 986148
Ion Ratio Lower Upper
69 100
41 148.9 119.8 179.6
100 31.7 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 8.990 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion: 57 Resp: 3752071
Ion Ratio Lower Upper
57 100
41 32.5 26.4 39.6
56 31.5 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 10.769 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

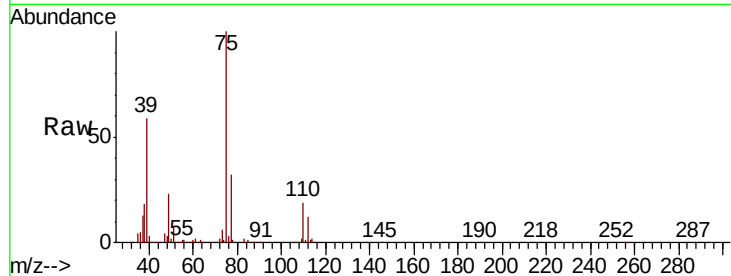
ClientSampleId :

Tot Ion: 75 Resp: 1077295

Ion Ratio Lower Upper

75 100

77 32.2 24.9 37.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

600000

500000

400000

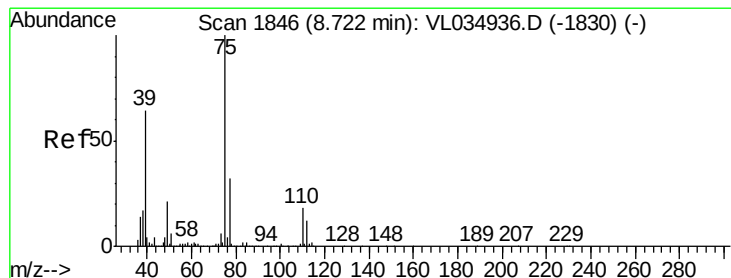
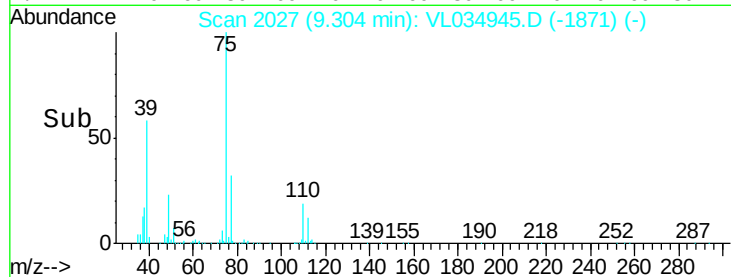
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.504 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

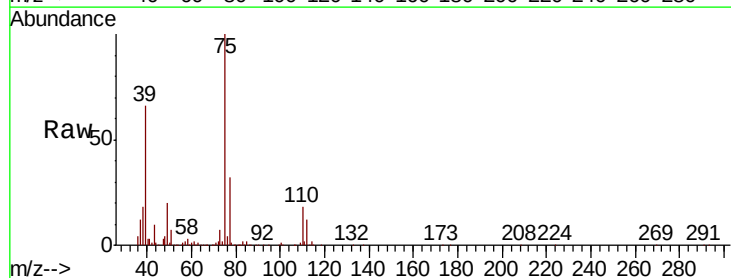
Tgt Ion: 75 Resp: 1290120

Ion Ratio Lower Upper

75 100

39 65.7 51.5 77.3

77 31.8 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

8.73

800000

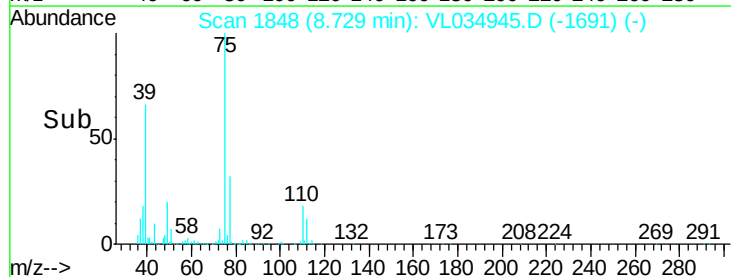
600000

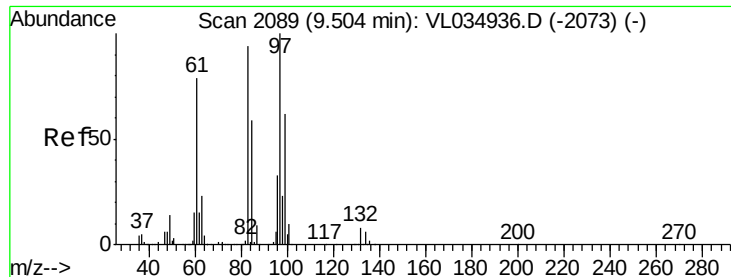
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.773 ppbv

RT: 9.51 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 871261

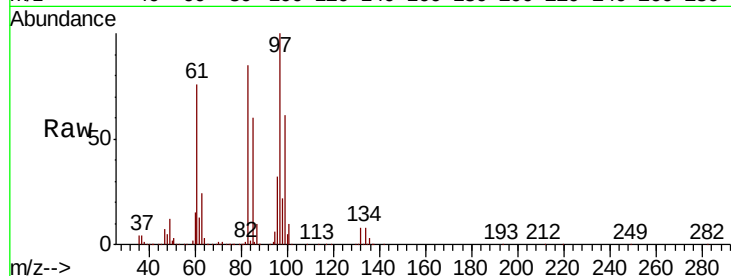
Ion Ratio Lower Upper

97 100

83 85.4 75.6 113.4

85 59.8 47.0 70.6

99 61.4 49.4 74.2

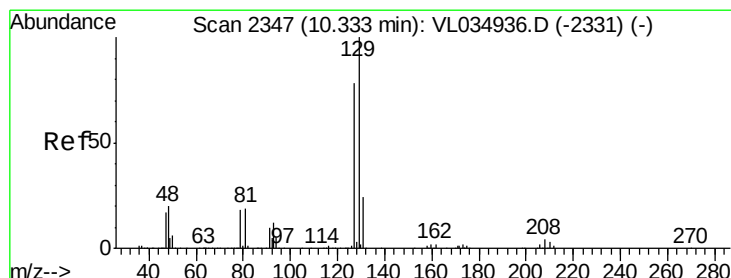
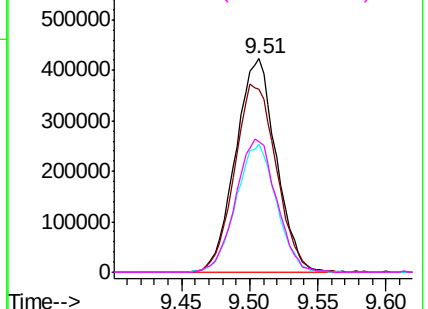
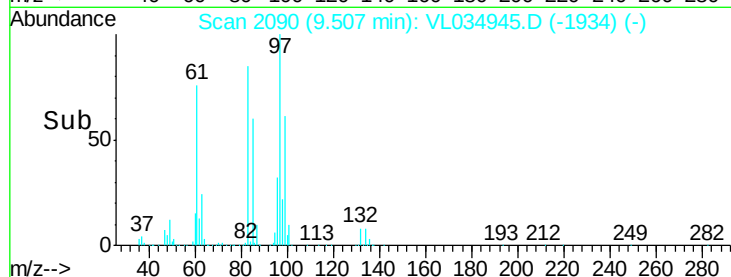


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.256 ppbv

RT: 10.34 min Scan# 2348

Delta R.T. 0.00 min

Lab File: VL034945.D

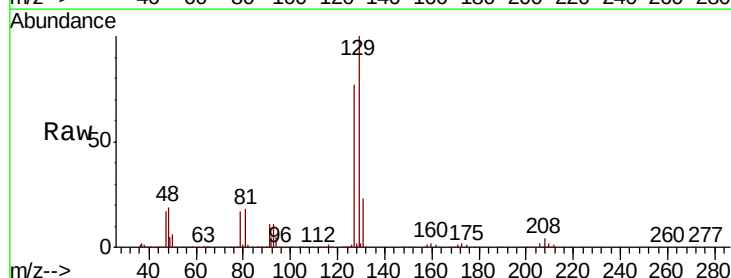
Acq: 6 May 2020 16:52

Tgt Ion: 129 Resp: 1413672

Ion Ratio Lower Upper

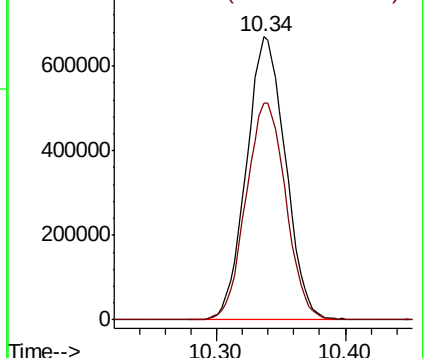
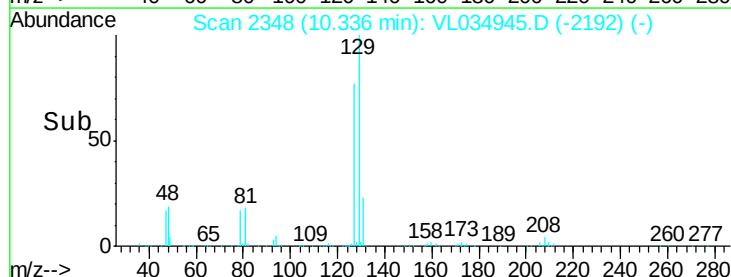
129 100

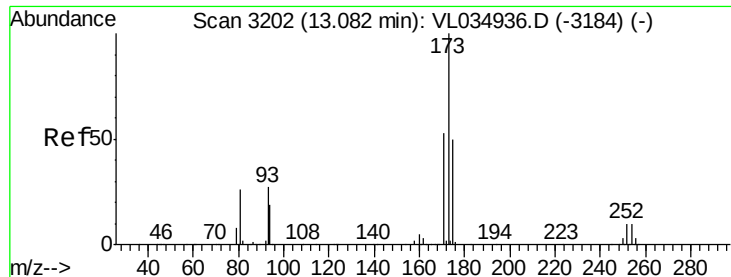
127 78.2 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.122 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

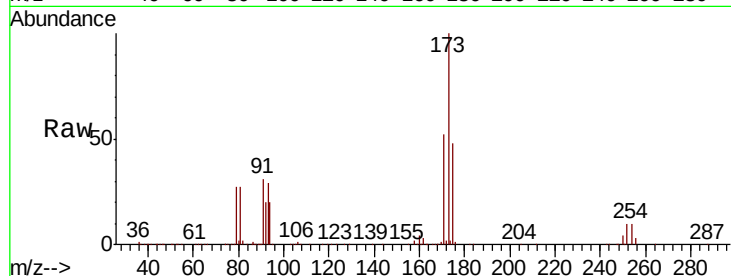
Tot Ion:173 Resp: 1198663

Ion Ratio Lower Upper

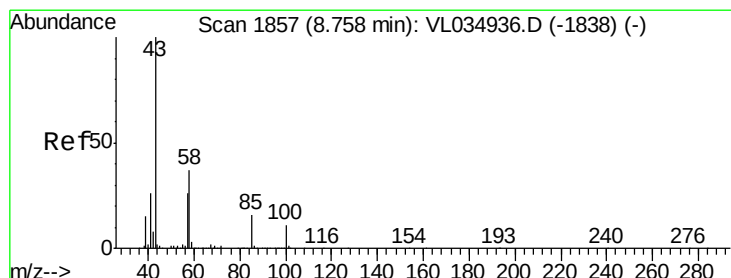
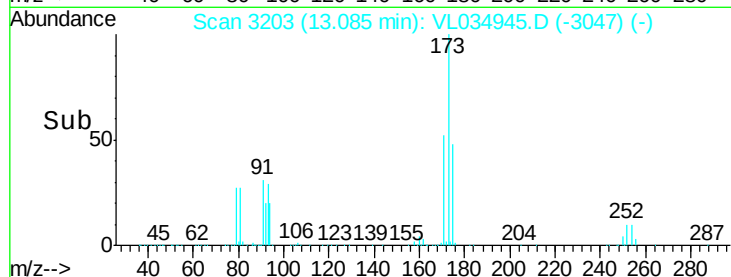
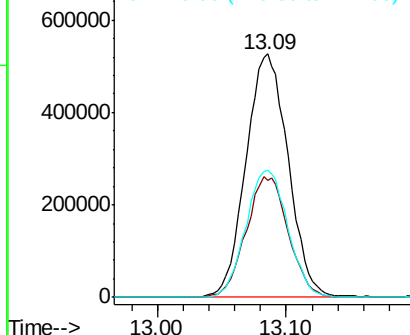
173 100

175 49.6 39.0 58.6

171 52.1 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



#50

4-Methyl-2-Pentanone

Concen: 9.499 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL034945.D

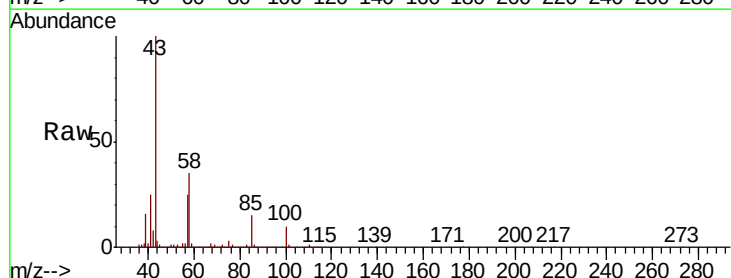
Acq: 6 May 2020 16:52

Tgt Ion: 43 Resp: 2397156

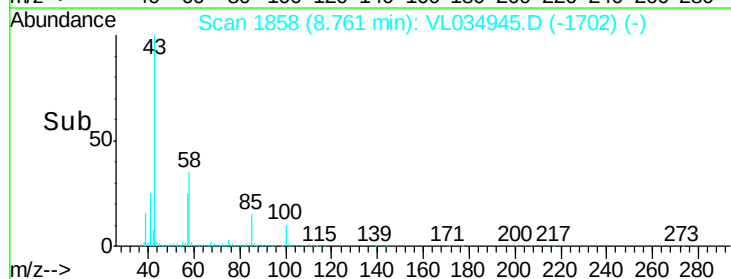
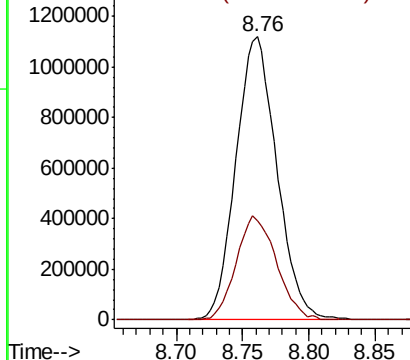
Ion Ratio Lower Upper

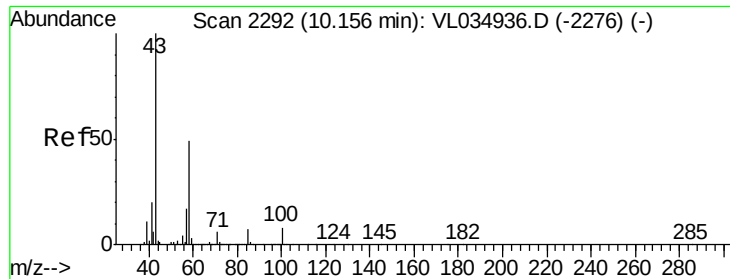
43 100

58 36.3 29.1 43.7



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

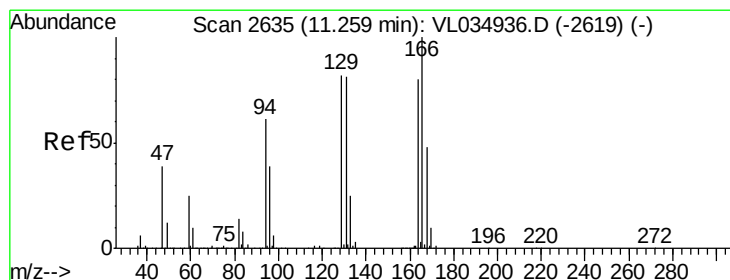
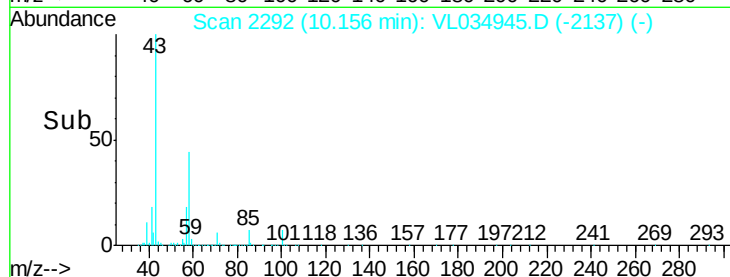
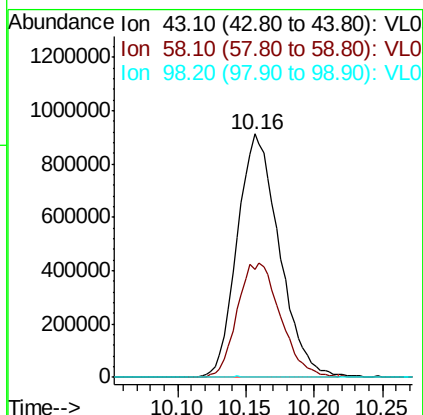
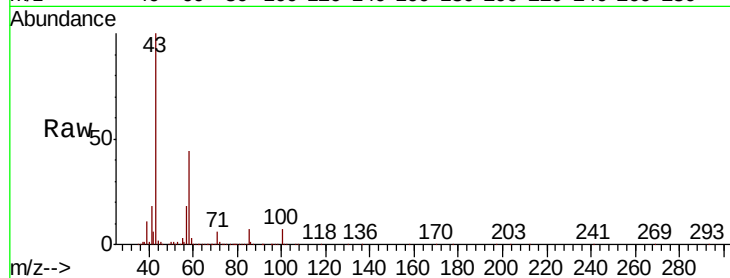




#51
2-Hexanone
Concen: 9.901 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

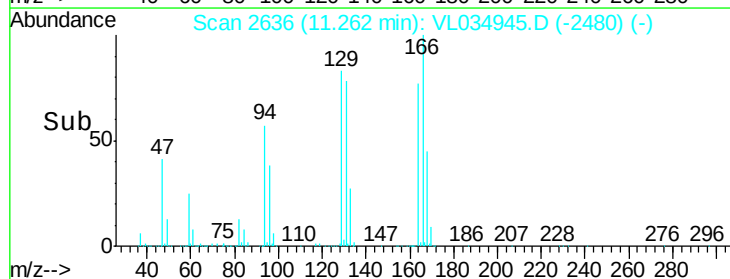
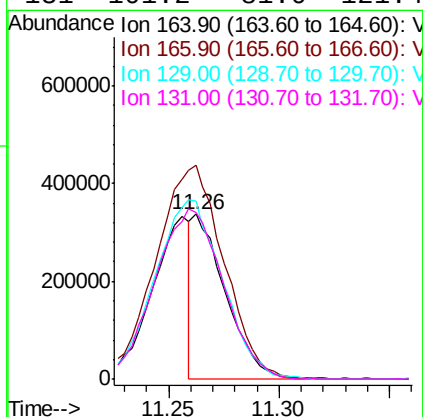
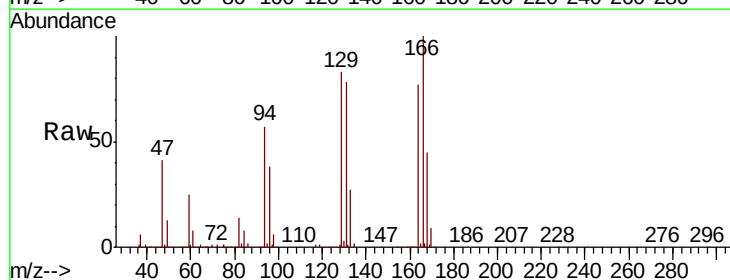
Instrument :
MSVOA_L
ClientSampleId :

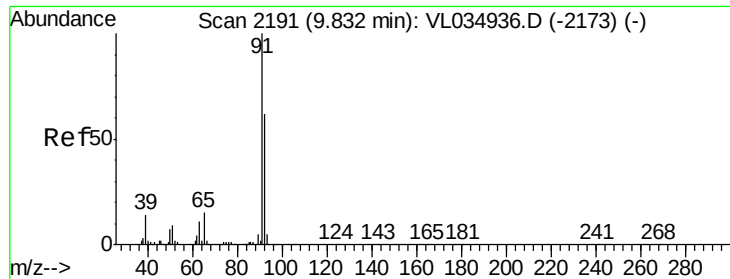
Tot Ion: 43 Resp: 1954331
Ion Ratio Lower Upper
43 100
58 48.7 39.1 58.7
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 4.097 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion: 164 Resp: 341963
Ion Ratio Lower Upper
164 100
166 129.6 100.7 151.1
129 108.2 83.0 124.4
131 101.2 81.0 121.4





#53

Toluene

Concen: 9.908 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

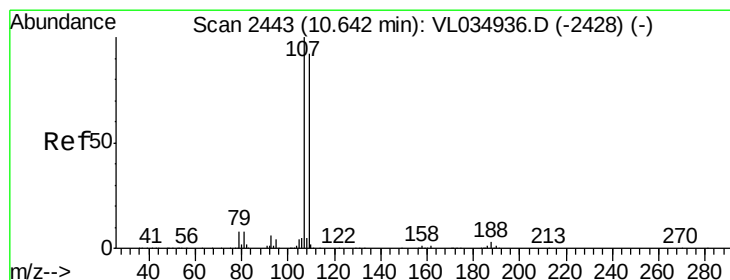
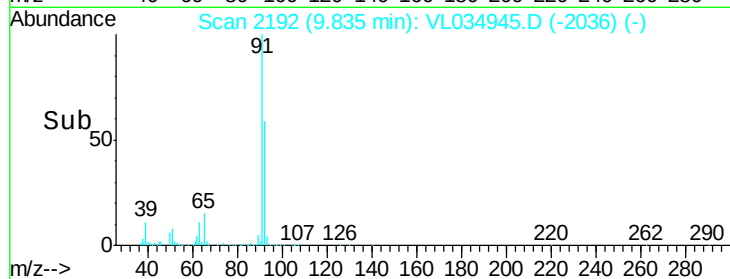
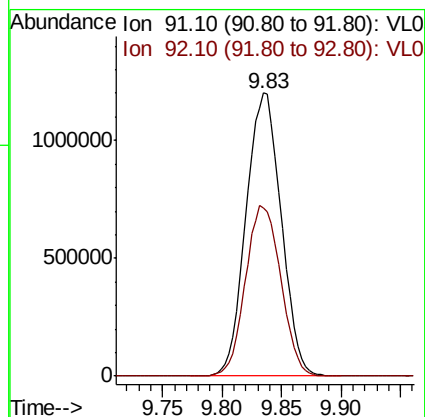
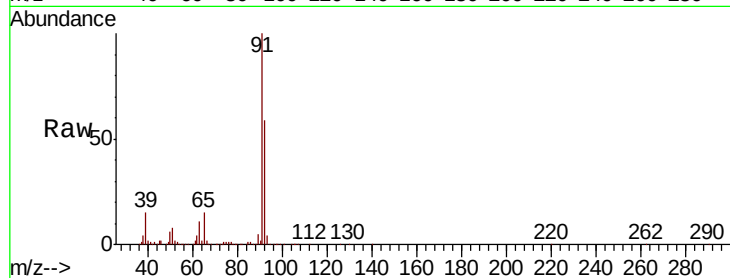
ClientSampleId :

Tot Ion: 91 Resp: 2465764

Ion Ratio Lower Upper

91 100

92 60.4 48.6 73.0



#54

1,2-Dibromoethane

Concen: 9.007 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034945.D

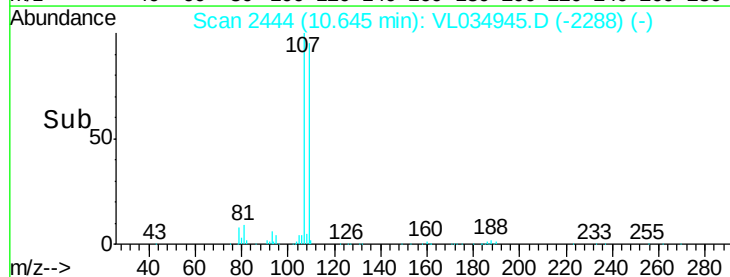
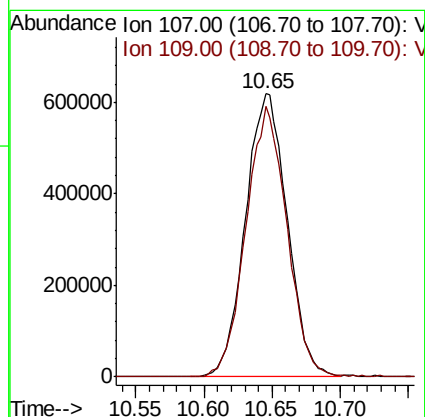
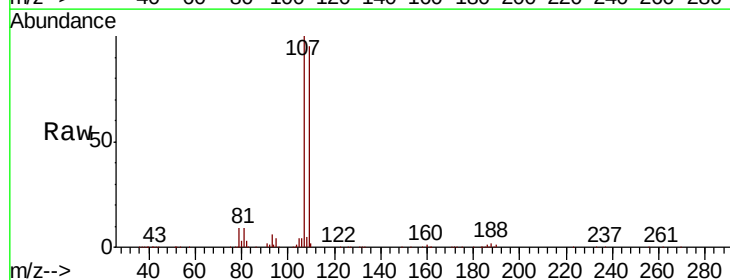
Acq: 6 May 2020 16:52

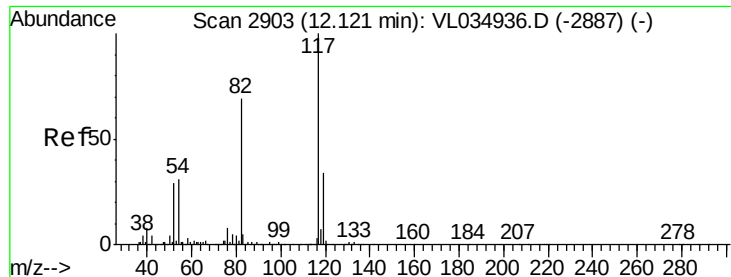
Tgt Ion:107 Resp: 1313591

Ion Ratio Lower Upper

107 100

109 95.4 73.2 109.8

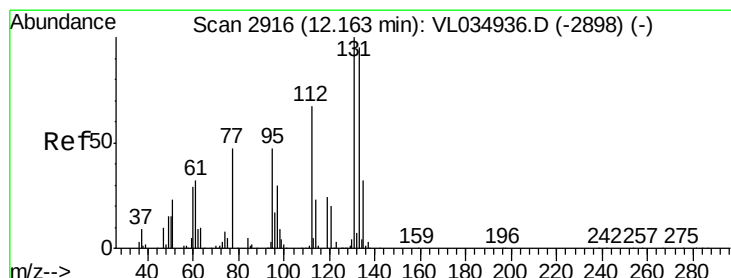
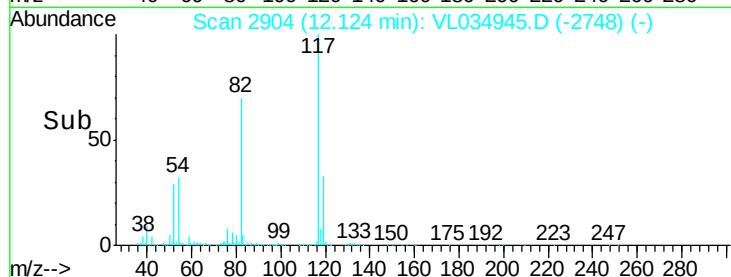
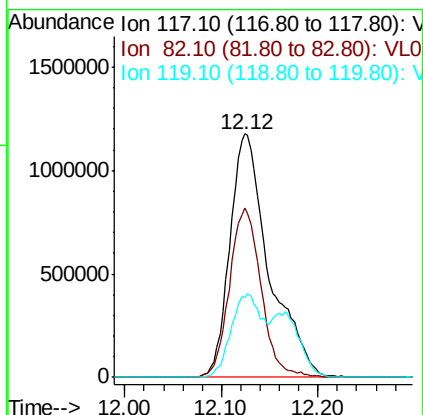
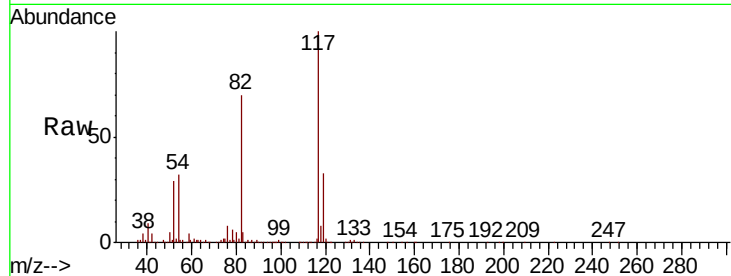




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

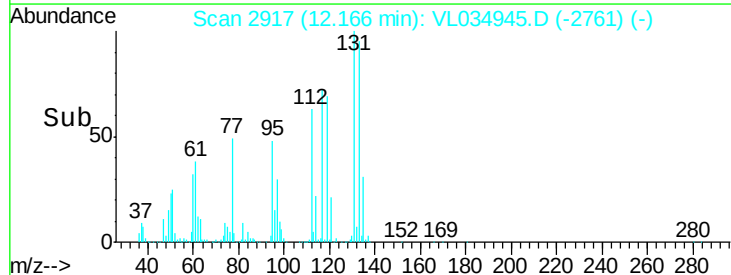
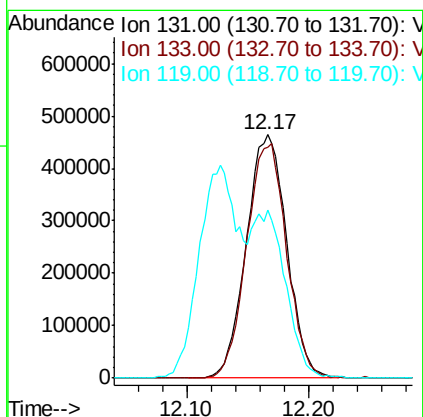
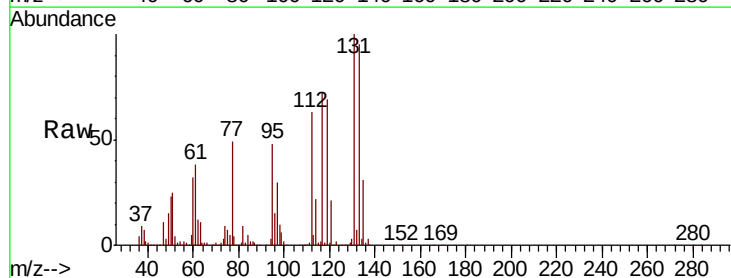
Instrument :
MSVOA_L
ClientSampleId :

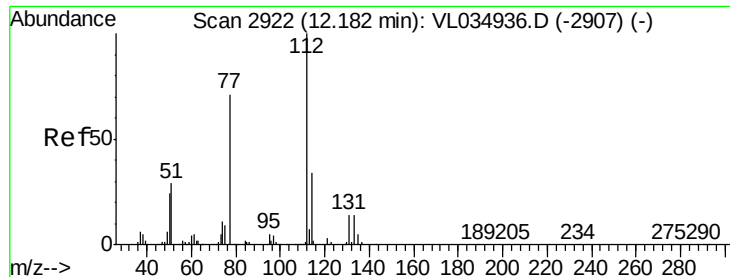
Tot Ion:117 Resp: 3319309
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 26.8 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.100 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion:131 Resp: 1062832
Ion Ratio Lower Upper
131 100
133 95.6 77.7 116.5
119 61.7 49.8 74.6

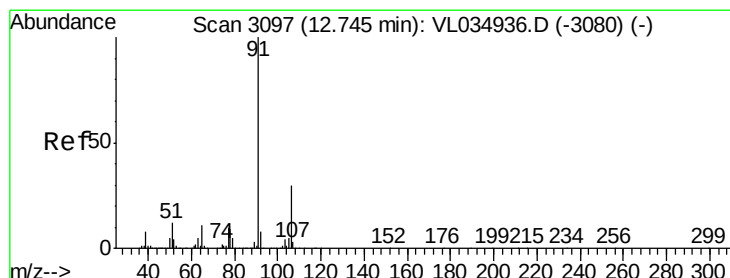
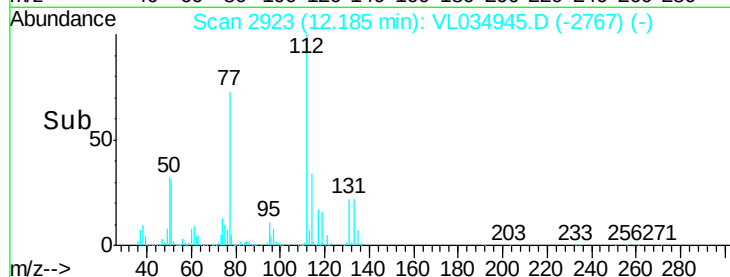
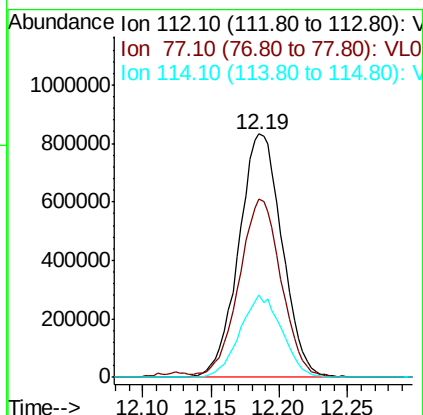
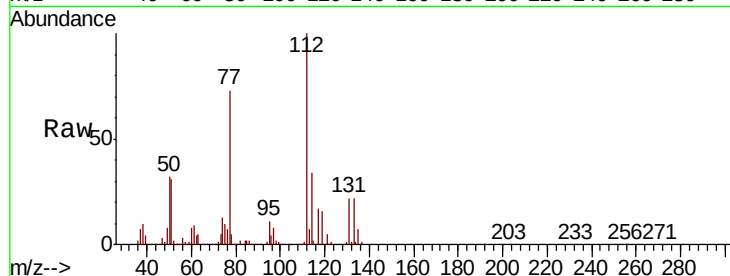




#57
Chlorobenzene
Concen: 6.940 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

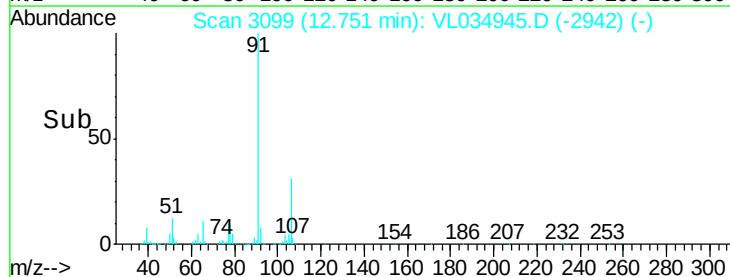
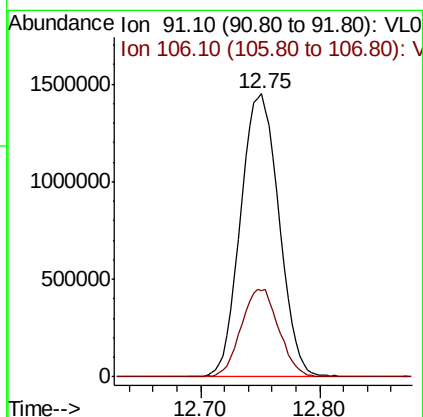
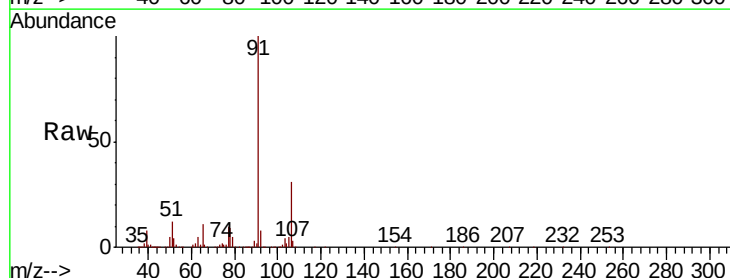
Instrument :
MSVOA_L
ClientSampleId :

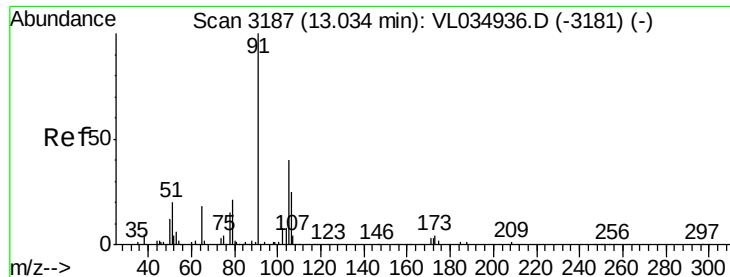
Tot Ion:112 Resp: 1825003
Ion Ratio Lower Upper
112 100
77 73.0 57.0 85.6
114 33.4 30.8 37.6



#58
Ethyl Benzene
Concen: 7.907 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.01 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion: 91 Resp: 3245385
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4





#59

m/p-Xylene

Concen: 6.785 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

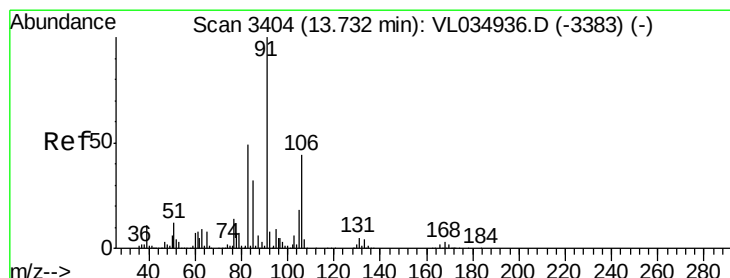
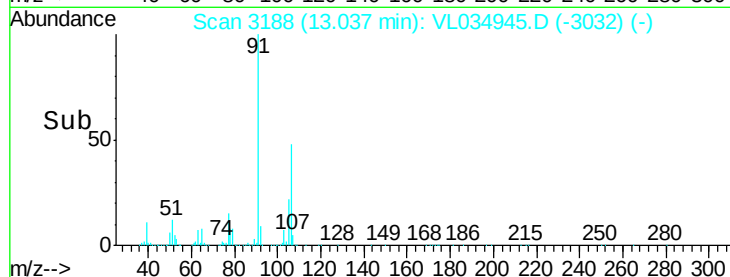
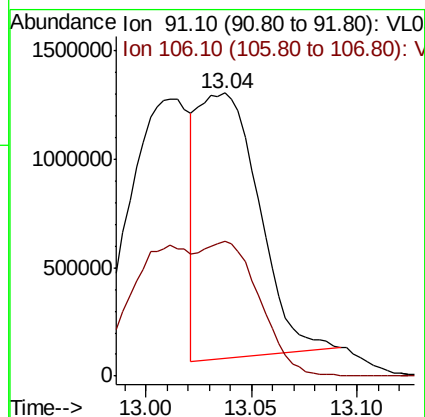
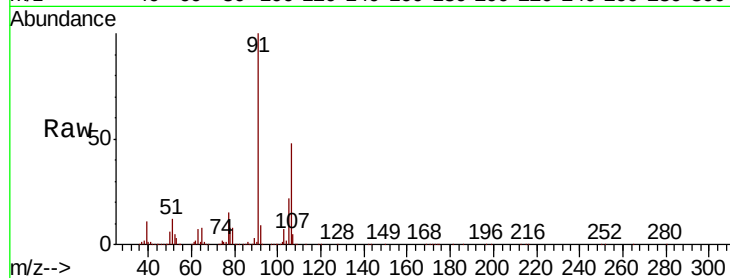
ClientSampled :

Tot Ion: 91 Resp: 2450404

Ion Ratio Lower Upper

91 100

106 99.9 66.0 99.0#



#60

o-Xylene

Concen: 7.414 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.00 min

Lab File: VL034945.D

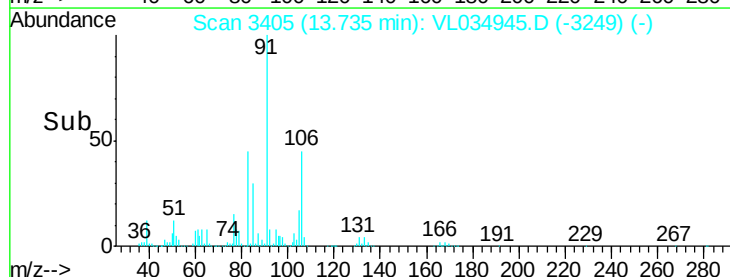
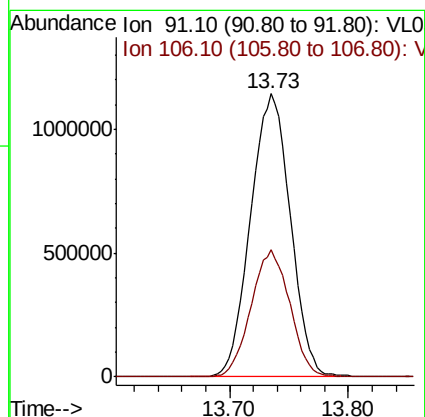
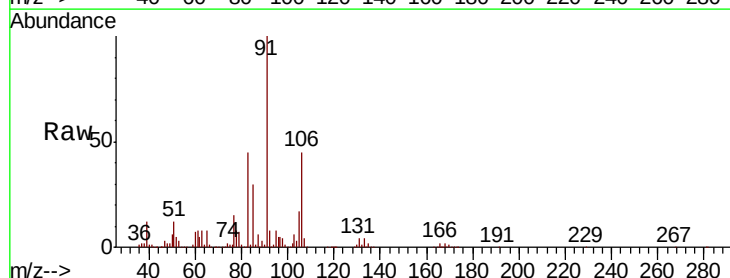
Acq: 6 May 2020 16:52

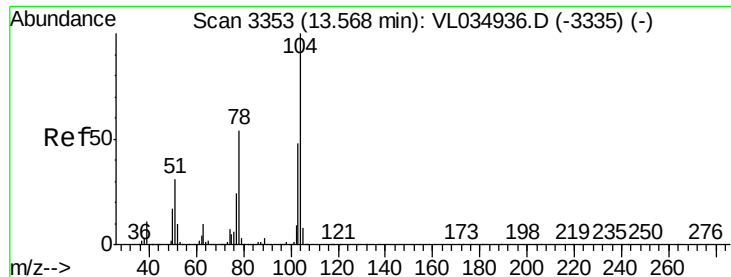
Tgt Ion: 91 Resp: 2642040

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.5

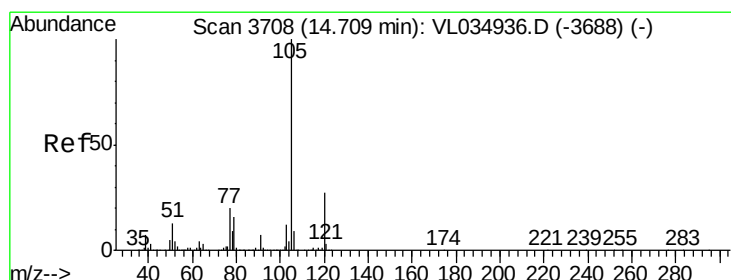
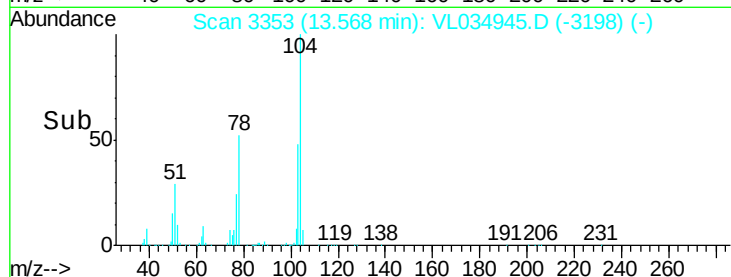
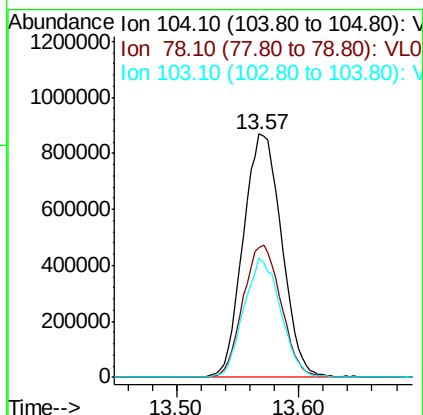
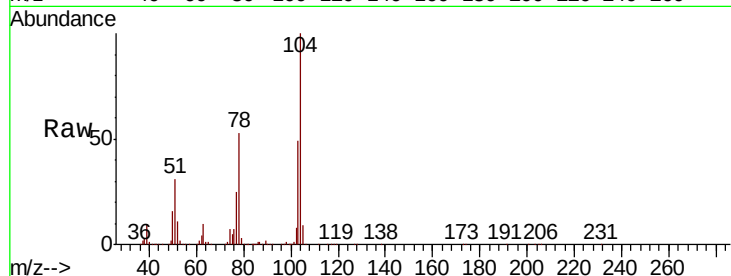




#61
Stvrene
Concen: 8.393 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

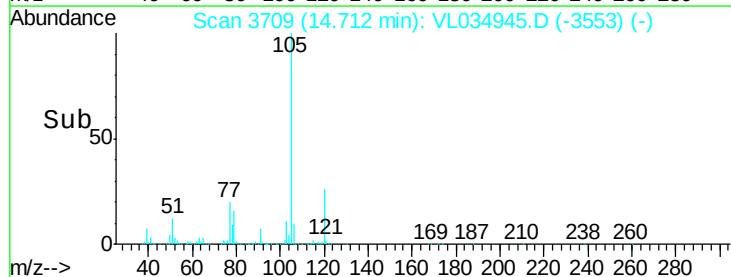
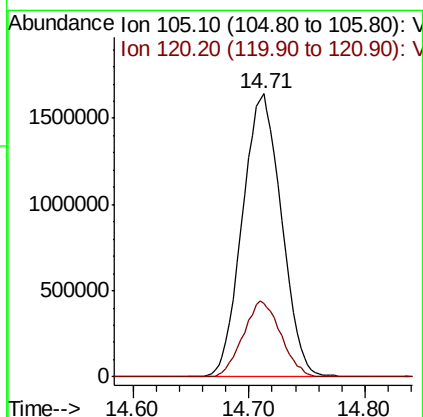
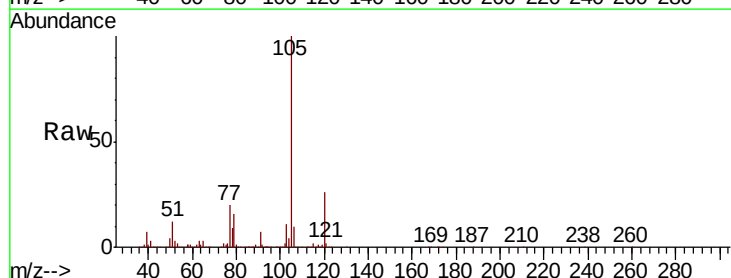
Instrument :
MSVOA_L
ClientSampleId :

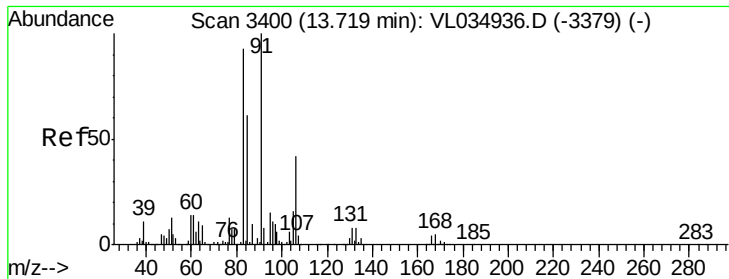
Tot Ion:104 Resp: 1892902
Ion Ratio Lower Upper
104 100
78 53.9 43.7 65.5
103 47.1 38.8 58.2



#62
Isopropylbenzene
Concen: 7.245 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion:105 Resp: 3854935
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.587 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

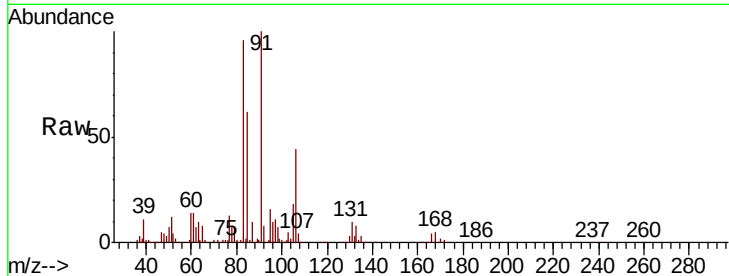
Tot Ion: 83 Resp: 1847693

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

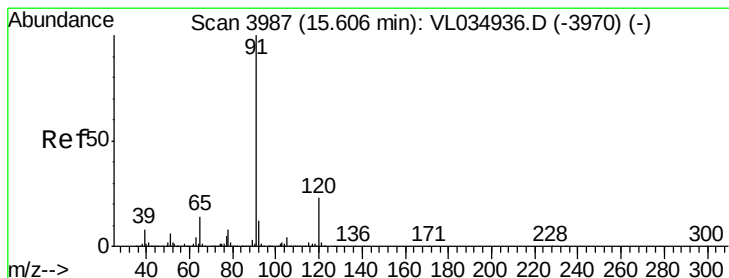
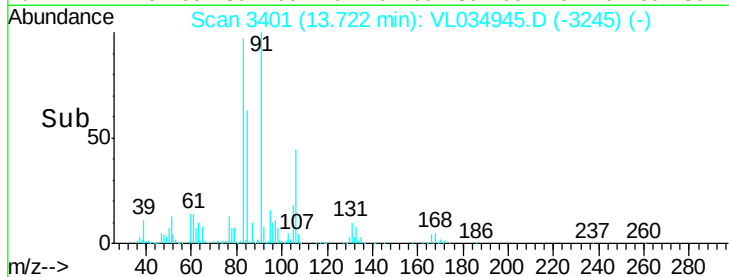
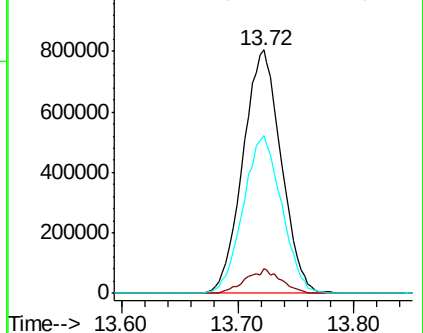
85 65.1 32.5 97.4



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: 7.526 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. -0.00 min

Lab File: VL034945.D

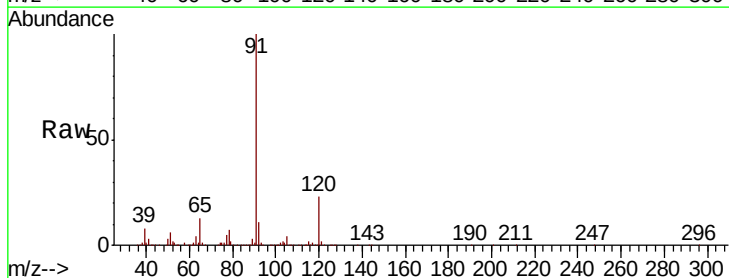
Acq: 6 May 2020 16:52

Tgt Ion:120 Resp: 1027050

Ion Ratio Lower Upper

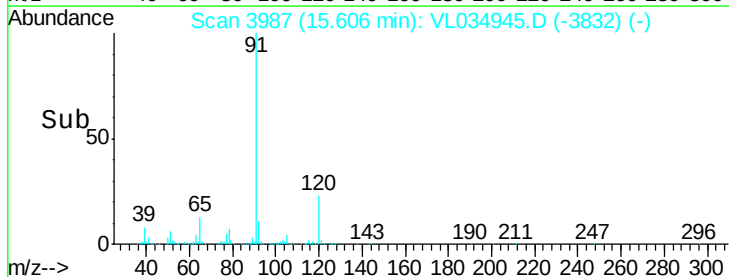
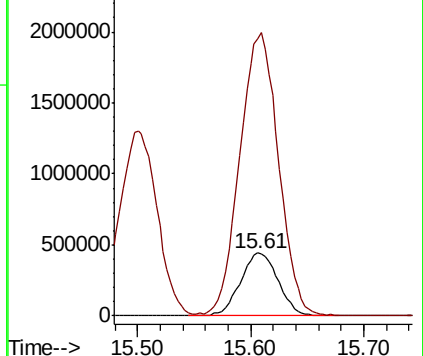
120 100

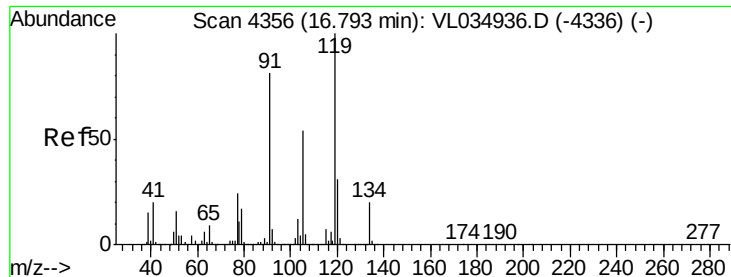
91 463.1 373.5 560.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.226 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

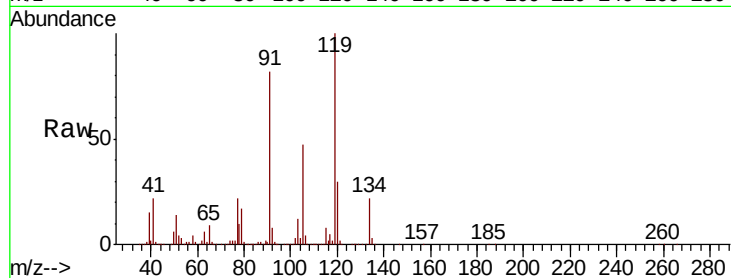
Tot Ion:119 Resp: 3334592

Ion Ratio Lower Upper

119 100

91 83.9 67.5 101.3

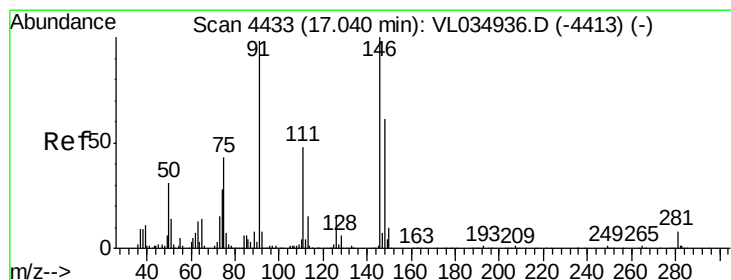
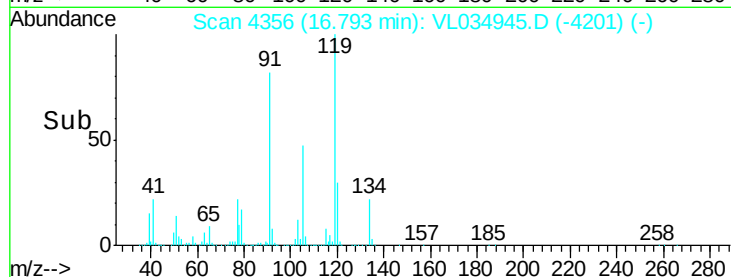
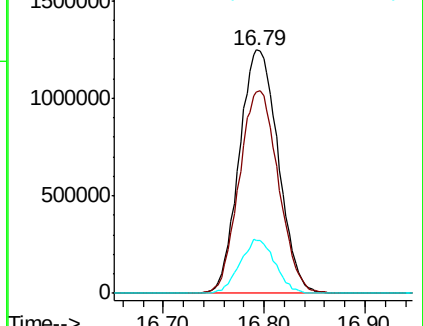
134 20.0 16.1 24.1



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: 8.195 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

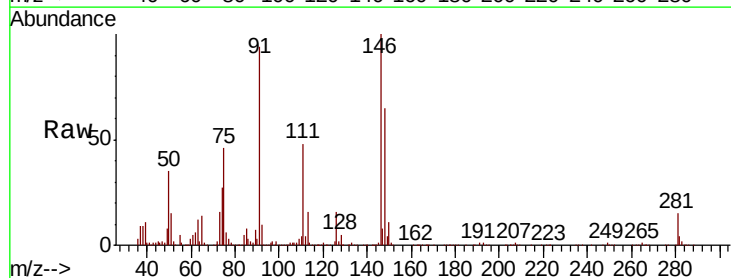
Tgt Ion: 91 Resp: 1283808

Ion Ratio Lower Upper

91 100

126 16.5 13.8 20.6

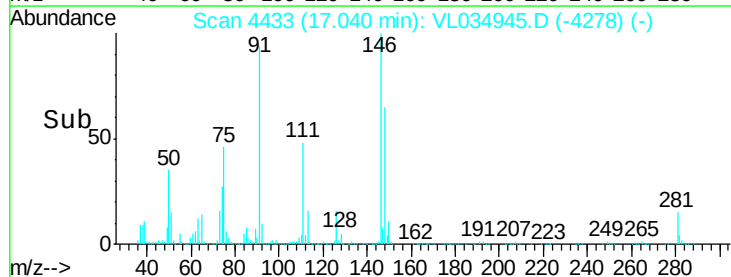
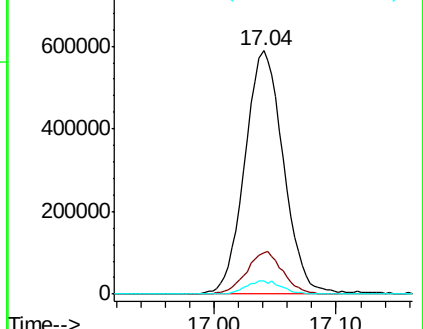
128 5.2 4.3 6.5

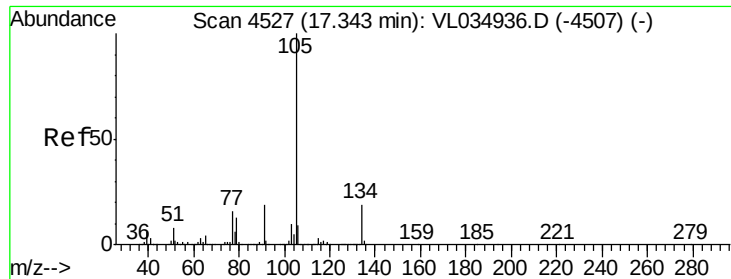


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.320 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

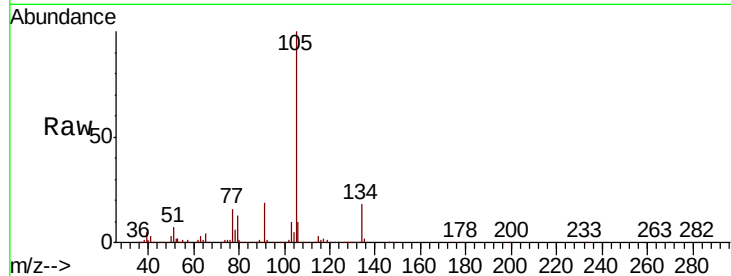
ClientSampleId :

Tot Ion:105 Resp: 4821871

Ion Ratio Lower Upper

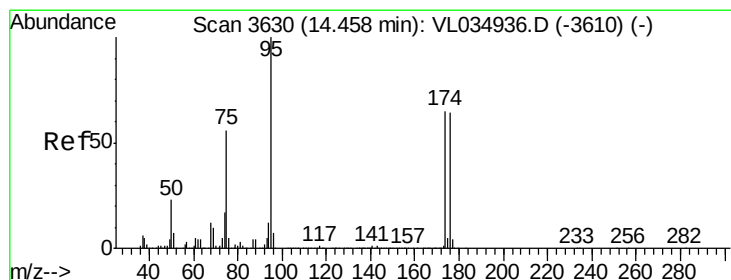
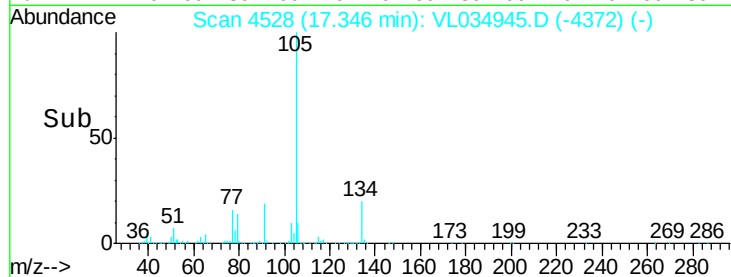
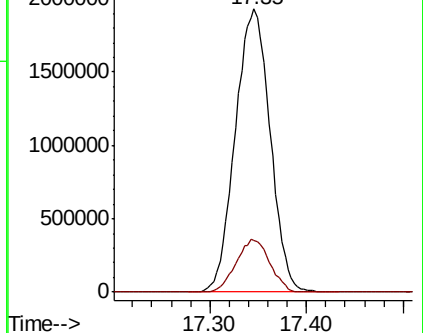
105 100

134 18.1 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: 8.313 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

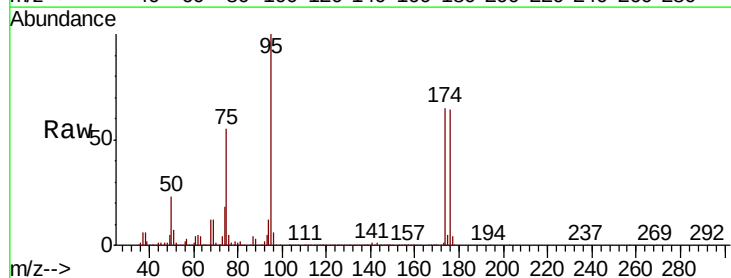
Tgt Ion: 95 Resp: 2233482

Ion Ratio Lower Upper

95 100

174 65.7 51.5 77.3

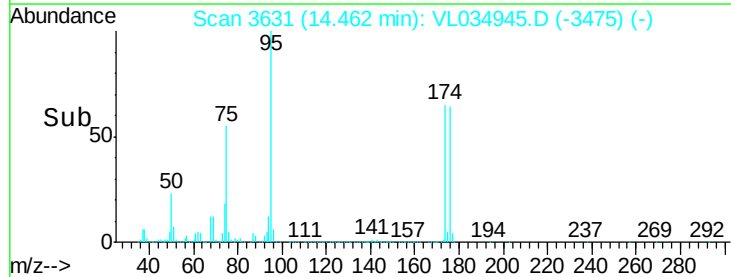
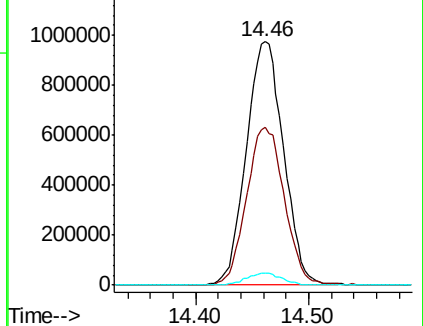
175 4.8 3.8 5.8

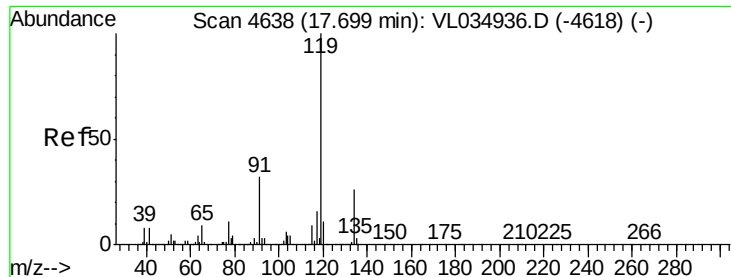


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.494 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

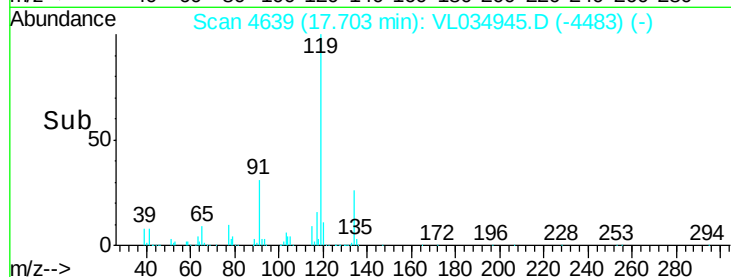
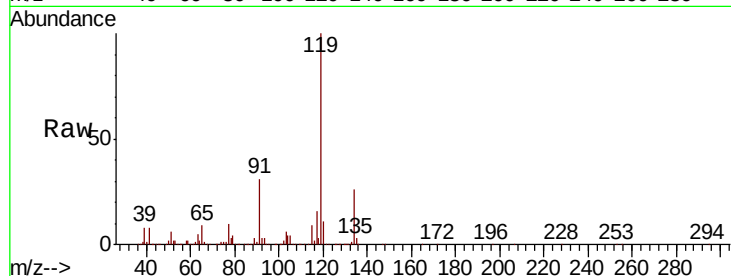
Tot Ion:119 Resp: 3993499

Ion Ratio Lower Upper

119 100

134 25.8 20.3 30.5

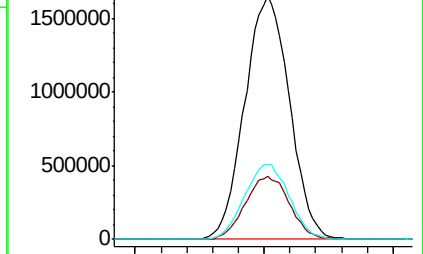
91 31.0 24.6 36.8



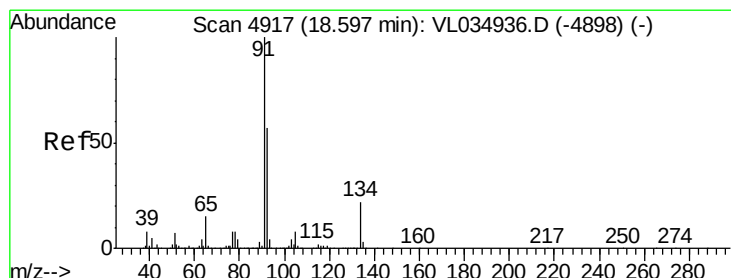
Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



Time--> 17.60 17.70



#70

n-Butylbenzene

Concen: 7.627 ppbv

RT: 18.60 min Scan# 4918

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

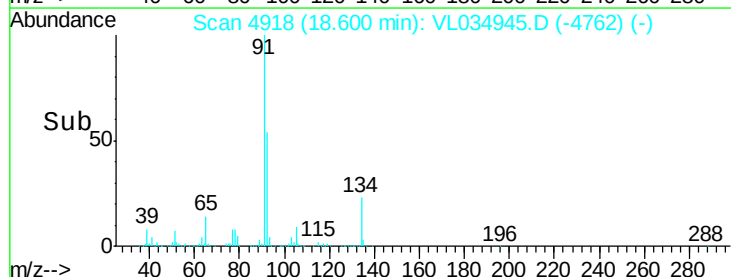
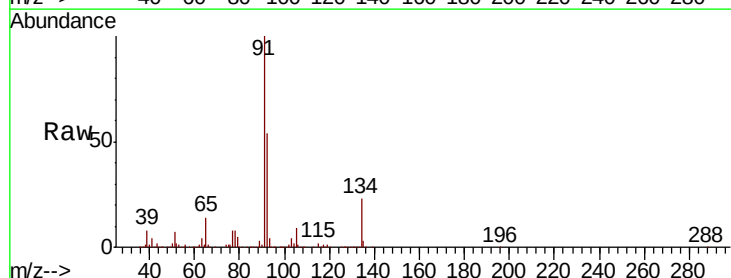
Tgt Ion: 91 Resp: 4326107

Ion Ratio Lower Upper

91 100

92 55.2 44.4 66.6

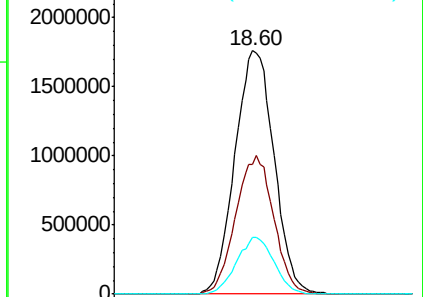
134 22.4 18.0 27.0



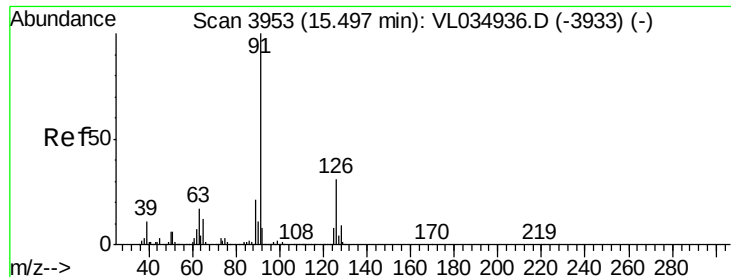
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



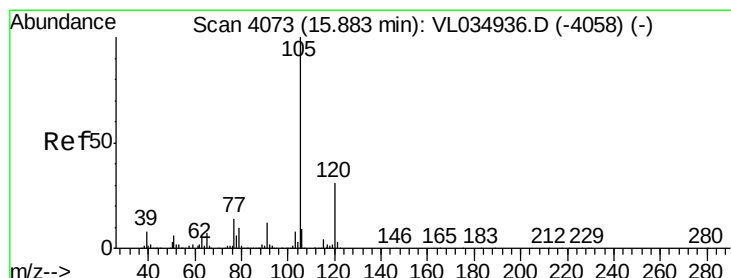
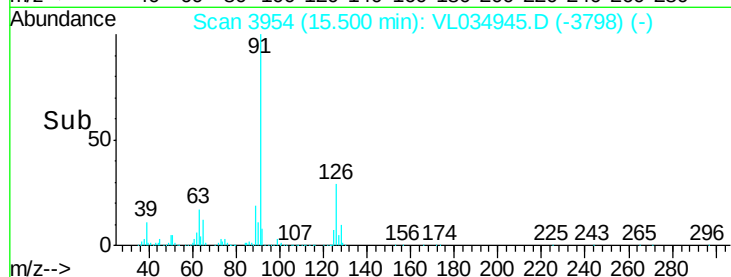
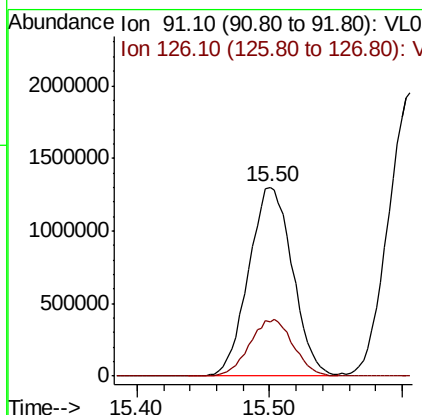
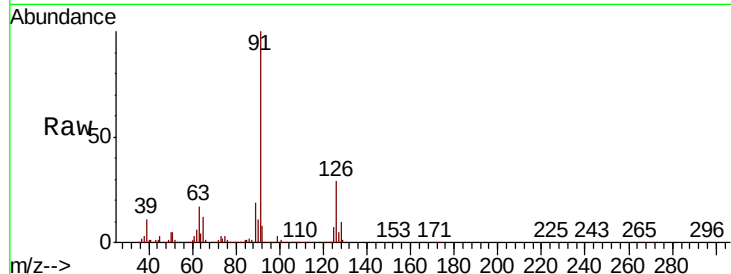
Time--> 18.50 18.60 18.70



#71
2-Chlorotoluene
Concen: 7.464 ppbv
RT: 15.50 min Scan# 3954
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

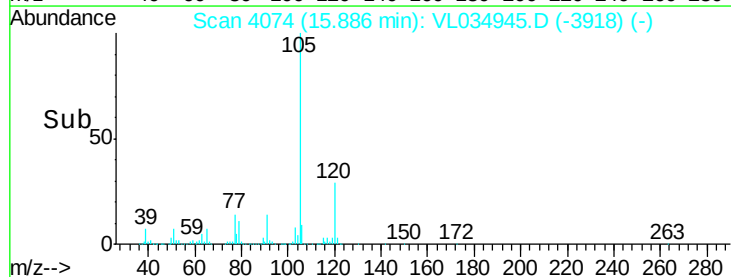
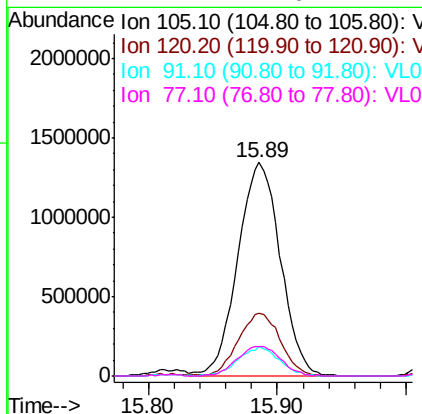
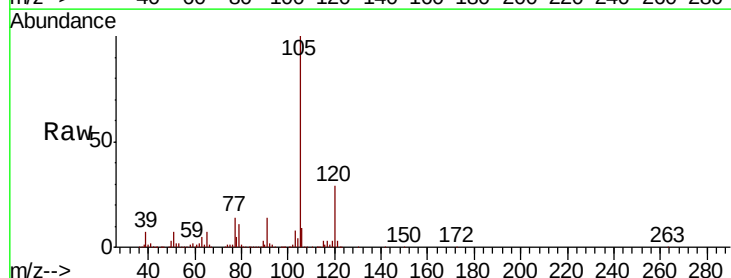
Instrument :
MSVOA_L
ClientSampleId :

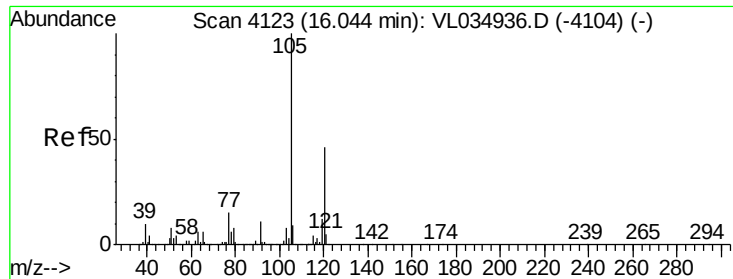
Tot Ion: 91 Resp: 2997840
Ion Ratio Lower Upper
91 100
126 29.7 12.0 47.8



#72
4-Ethyltoluene
Concen: 7.749 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.00 min
Lab File: VL034945.D
Acq: 6 May 2020 16:52

Tgt Ion:105 Resp: 3080821
Ion Ratio Lower Upper
105 100
120 29.3 23.8 35.8
91 13.2 10.6 15.8
77 14.4 11.6 17.4

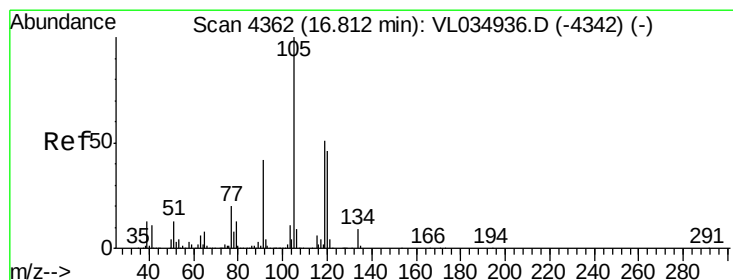
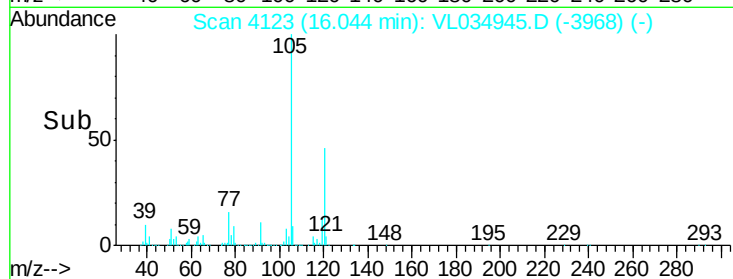
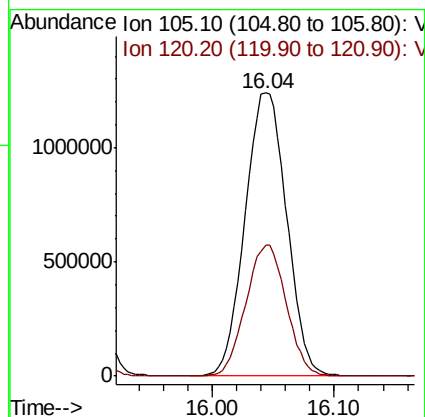
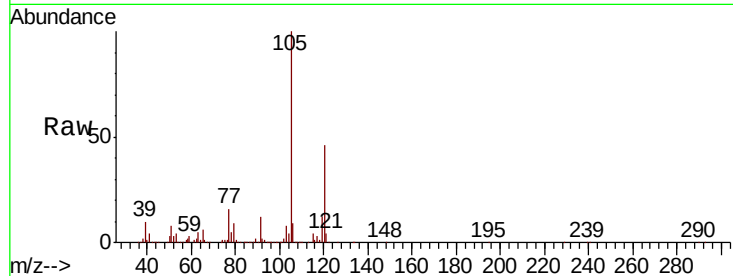




#73
 1,3,5-Trimethylbenzene
 Concen: 7.546 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

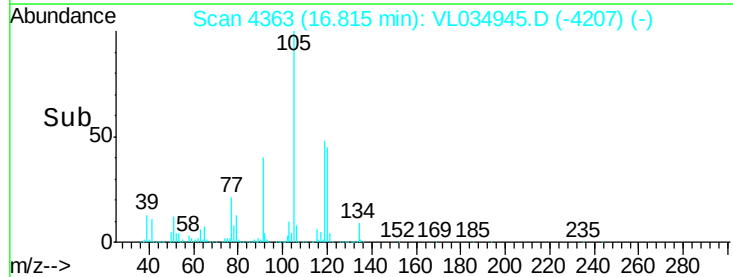
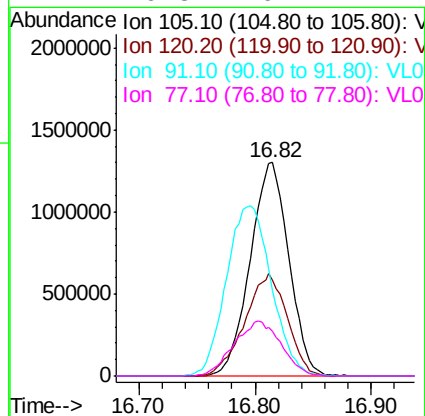
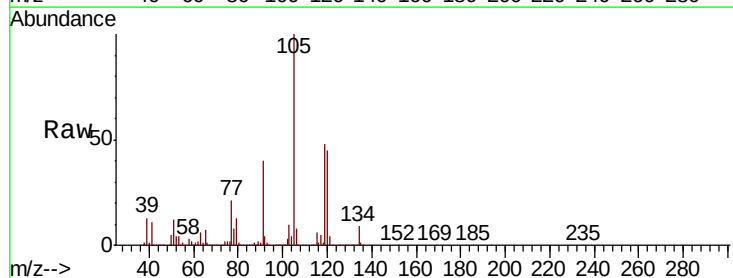
Instrument :
 MSVOA_L
 ClientSampleId :

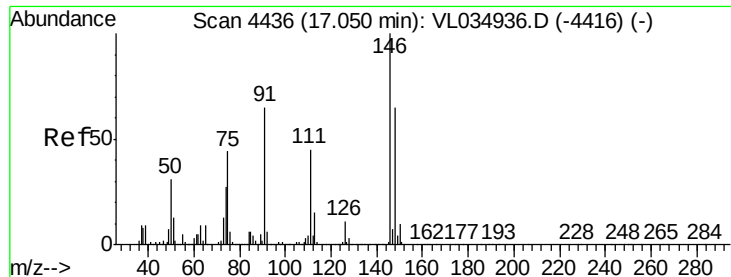
Tot Ion:105 Resp: 2919449
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.146 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion:105 Resp: 3018150
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.8 55.2
 91 40.2 35.4 53.0
 77 20.8 16.2 24.2



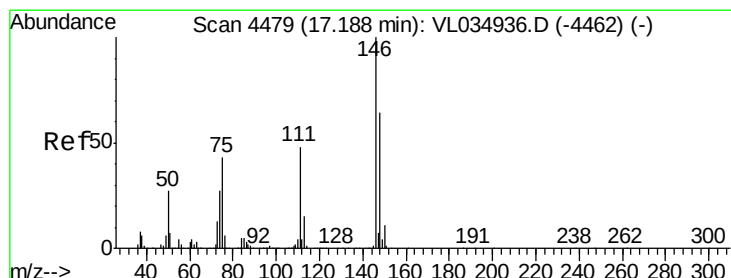
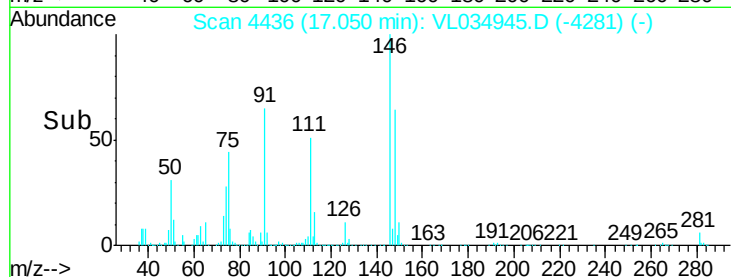
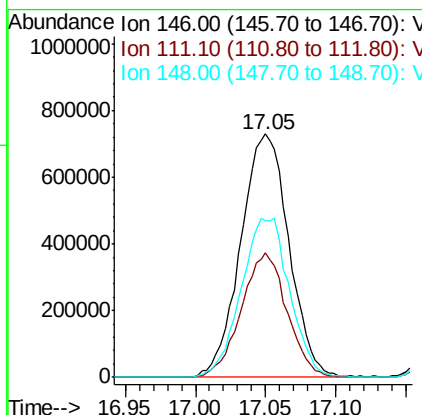
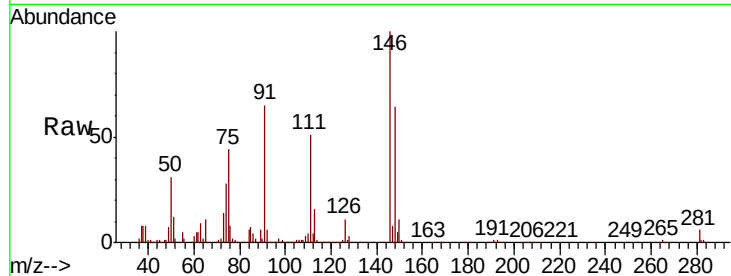


#75
 1,3-Dichlorobenzene
 Concen: 7.023 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. -0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 1741763

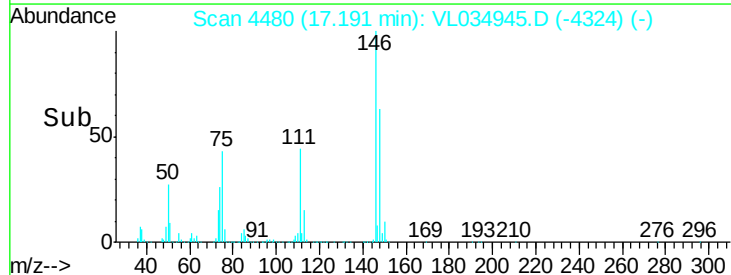
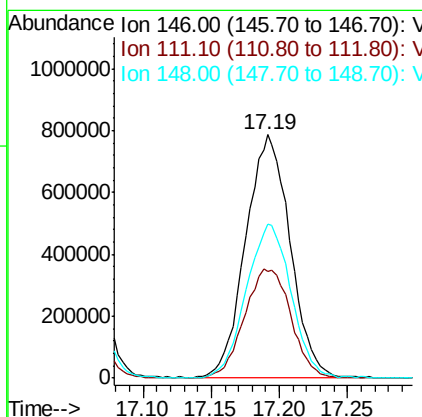
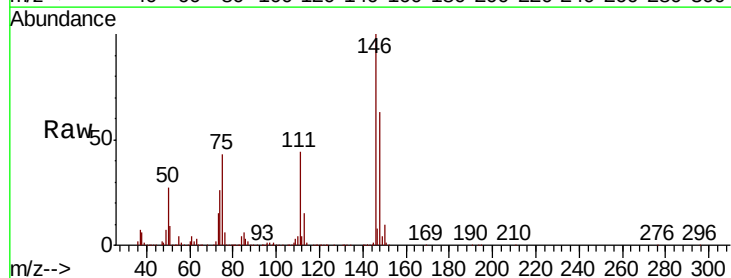
Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	66.0	32.6	97.7

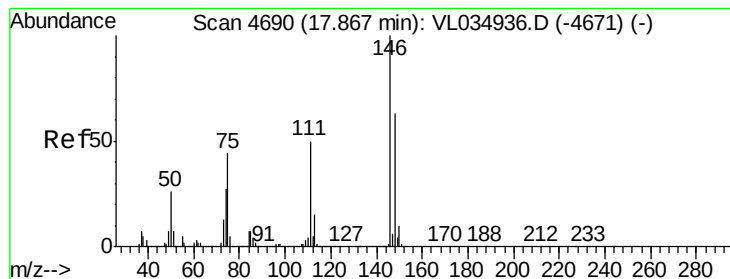


#76
 1,4-Dichlorobenzene
 Concen: 7.506 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Tgt Ion:146 Resp: 1768567

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	64.8	32.6	97.8





#77

1,2-Dichlorobenzene

Concen: 7.455 ppbv

RT: 17.87 min Scan# 4692

Delta R.T. 0.01 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

Instrument :

MSVOA_L

ClientSampleId :

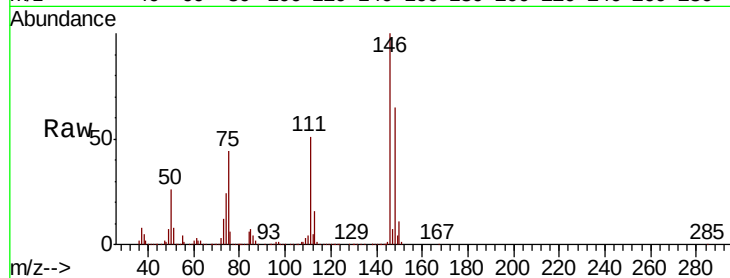
Tot Ion:146 Resp: 1741934

Ion Ratio Lower Upper

146 100

111 49.8 24.5 73.5

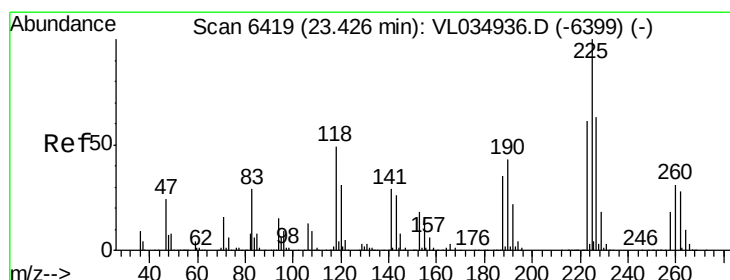
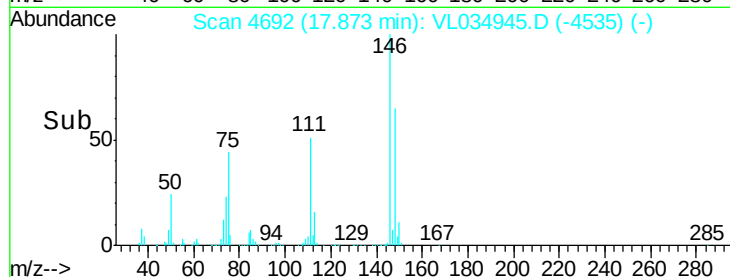
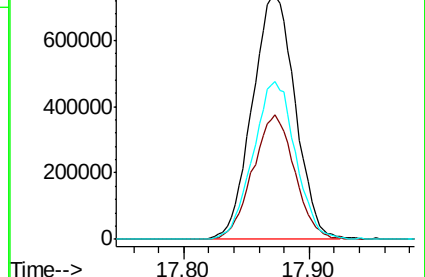
148 64.0 31.7 95.1



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: 7.460 ppbv

RT: 23.44 min Scan# 6422

Delta R.T. 0.01 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

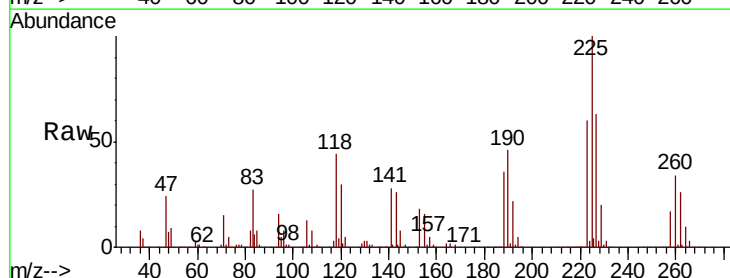
Tgt Ion:225 Resp: 1485887

Ion Ratio Lower Upper

225 100

223 62.4 49.8 74.8

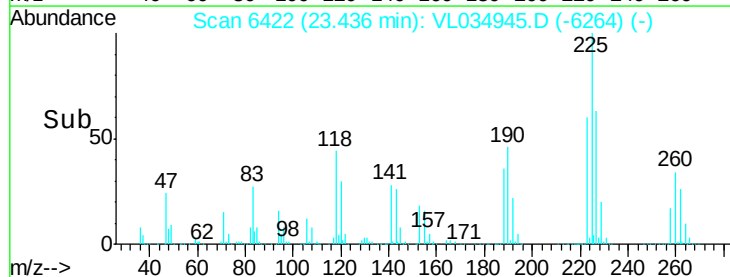
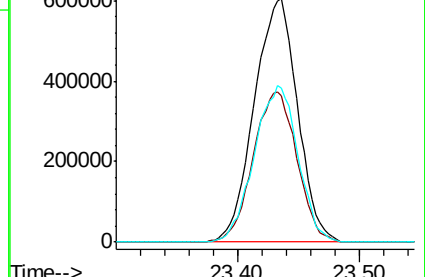
227 64.9 51.8 77.6

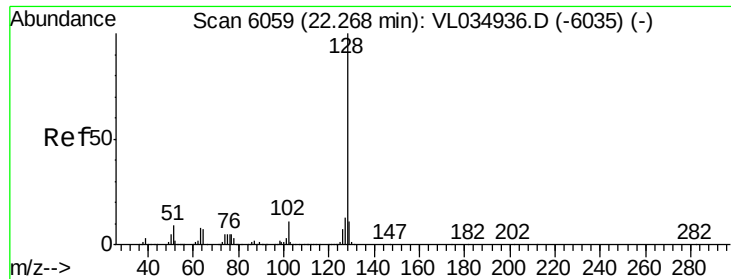


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.690 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL034945.D

Acq: 6 May 2020 16:52

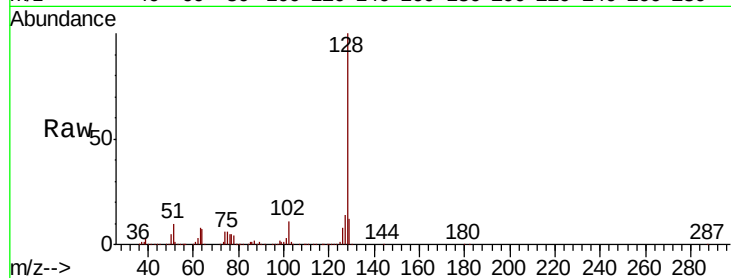
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3515924

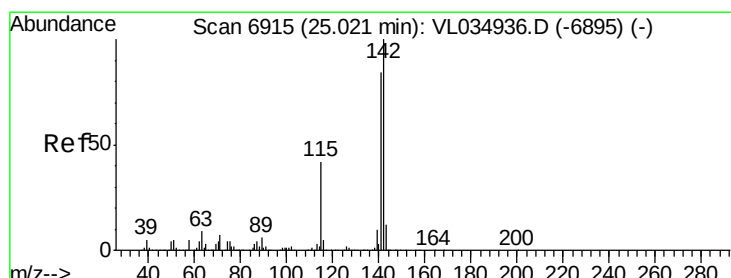
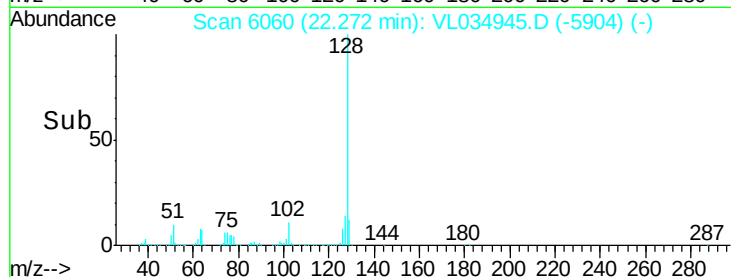
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	12.0	9.0	13.4



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: 13.251 ppbv

RT: 25.02 min Scan# 6915

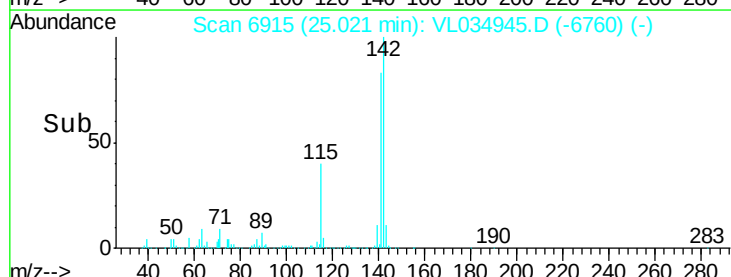
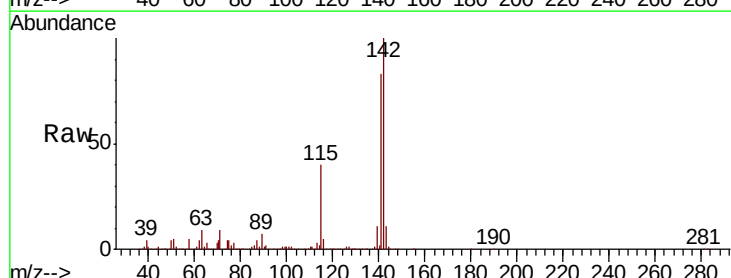
Delta R.T. -0.00 min

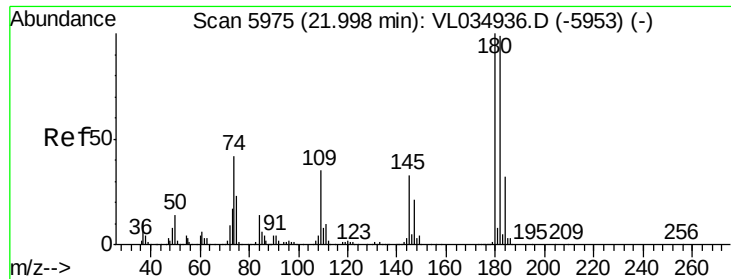
Lab File: VL034945.D

Acq: 6 May 2020 16:52

Tgt Ion:142 Resp: 1071214

Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.6	102.8
115	42.0	33.9	50.9

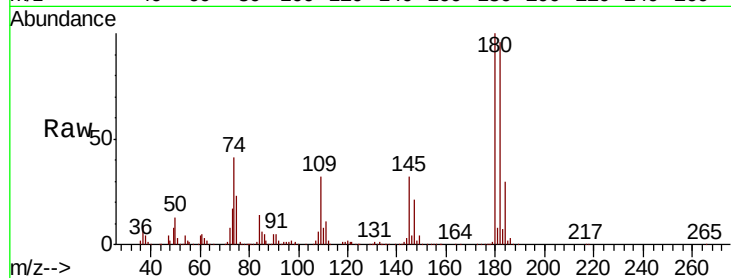




#81
 1,2,4-Trichlorobenzene
 Concen: 9.168 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL034945.D
 Acq: 6 May 2020 16:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1828368
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.5 116.3
 184 31.2 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

