

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072320\
 Data File : VL035223.D
 Acq On : 23 Jul 2020 9:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 24 05:51:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1194112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2859067	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3414412	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2188653	7.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1185462	7.084	ppbv 99
3) Chlorodifluoromethane	2.94	51	1288635	9.770	ppbv 99
4) Chloromethane	3.09	50	725257	9.756	ppbv 96
5) Vinyl Chloride	3.21	62	749180	9.431	ppbv 99
6) Bromomethane	3.43	94	470904	10.445	ppbv 98
7) Chloroethane	3.51	64	281129	10.010	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1690162	9.215	ppbv 99
9) Propene	2.96	41	500204	10.035	ppbv 98
10) Heptane	8.13	43	1455817	11.376	ppbv 99
11) Trichlorofluoromethane	3.91	101	1850711	9.793	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1306976	9.848	ppbv 99
13) Ethanol	3.57	45	64390	4.057	ppbv # 47
14) Bromoethene	3.70	108	566954	10.380	ppbv 99
15) Acetone	3.81	43	1402757	8.677	ppbv 99
16) 1,3-Butadiene	3.28	39	668223	10.768	ppbv 100
17) tert-Butyl alcohol	4.26	59	1582799	11.065	ppbv 100
18) 1,1-Dichloroethene	4.25	96	603626	10.272	ppbv 93
19) Isopropyl Alcohol	3.93	45	1038110	10.644	ppbv 99
20) Methylene Chloride	4.31	84	541511	7.698	ppbv 99
21) Allyl Chloride	4.38	41	959635	10.199	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	586429	9.996	ppbv 96
23) Vinyl Acetate	5.05	43	1846938	10.554	ppbv 97
24) 1,1-Dichloroethane	4.99	63	1521111	10.122	ppbv 99
25) Ethyl Acetate	5.66	43	2592313	10.333	ppbv 100
26) Hexane	5.67	57	1148787	10.385	ppbv 99
27) Carbon Disulfide	4.52	76	1620304	10.490	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1778142	10.551	ppbv 99
29) Chloroform	5.74	83	1839098	9.917	ppbv 97
30) Cyclohexane	7.13	84	958270	11.708	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1128927	10.790	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1834108	9.868	ppbv 99
34) 2-Butanone	5.22	43	1595048	10.452	ppbv 100
35) Carbon Tetrachloride	7.02	117	1883645	10.149	ppbv 96
36) Benzene	6.89	78	2239242	10.822	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1417974	10.211	ppbv 100
38) Trichloroethene	7.84	130	920118	10.913	ppbv 94
39) 1,2-Dichloropropane	7.62	63	890031	10.816	ppbv 100
40) 1,4-Dioxane	7.83	88	349799	10.678	ppbv 94
41) Tetrahydrofuran	6.03	42	858657	11.245	ppbv 99
42) Bromodichloromethane	7.80	83	1963463	10.588	ppbv 99
43) Methyl Methacrylate	8.02	69	1044571	11.942	ppbv 98

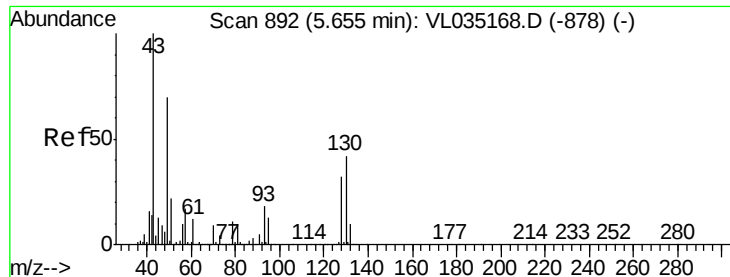
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072320\
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 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3920215	10.975	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1156349	12.583	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1387434	12.735	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	971253	10.783	ppbv	98
48) Dibromochloromethane	10.33	129	1660898	11.333	ppbv	99
49) Bromoform	13.07	173	1472182	11.483	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2467657	11.267	ppbv	100
51) 2-Hexanone	10.15	43	1975934	11.832	ppbv #	99
52) Tetrachloroethene	11.25	164	828354	10.718	ppbv	98
53) Toluene	9.82	91	2658433	12.173	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1485460	11.113	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1282140	8.476	ppbv #	92
57) Chlorobenzene	12.17	112	2101176	8.350	ppbv	99
58) Ethyl Benzene	12.74	91	3602043	9.545	ppbv	99
59) m/p-Xylene	13.02	91	3274515	9.735	ppbv #	31
60) o-Xylene	13.72	91	3034014	9.041	ppbv	99
61) Styrene	13.56	104	2149612	10.366	ppbv	99
62) Isopropylbenzene	14.70	105	4478142	9.003	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2209462	7.879	ppbv	99
64) n-propylbenzene	15.60	120	1197749	9.321	ppbv	98
65) tert-Butylbenzene	16.78	119	3988484	8.928	ppbv	100
66) Benzyl Chloride	17.03	91	1653663	10.390	ppbv	100
67) sec-Butylbenzene	17.33	105	5685016	8.729	ppbv	99
69) p-Isopropyltoluene	17.69	119	4741788	9.289	ppbv	100
70) n-Butylbenzene	18.59	91	4962078	9.168	ppbv	99
71) 2-Chlorotoluene	15.48	91	3487267	9.265	ppbv	100
72) 4-Ethyltoluene	15.87	105	3597911	9.515	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3363725	9.225	ppbv	96
74) 1,2,4-Trimethylbenzene	16.80	105	3532895	8.768	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	2052855	8.045	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2064816	8.707	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1980388	8.620	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1383957	7.623	ppbv	99
79) Naphthalene	22.26	128	2975296	11.411	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1081076	17.552	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	1661420	10.058	ppbv	100

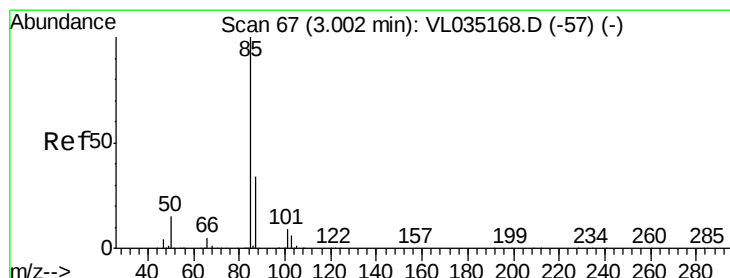
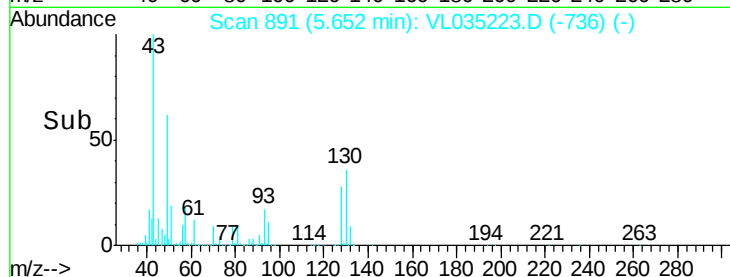
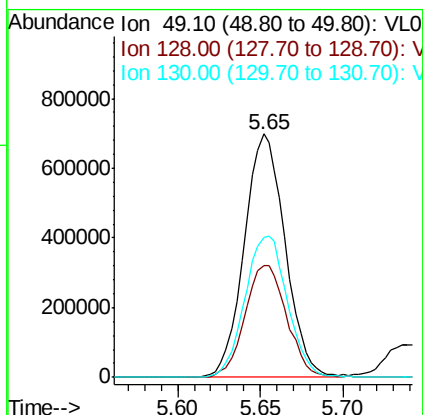
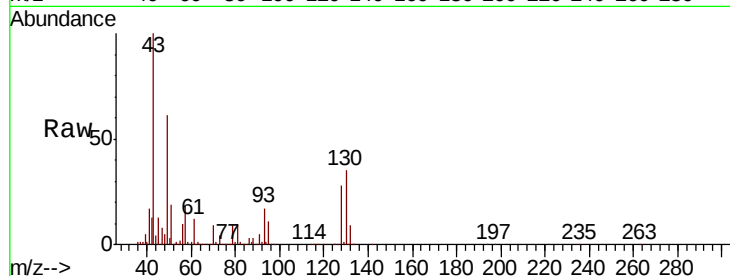
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

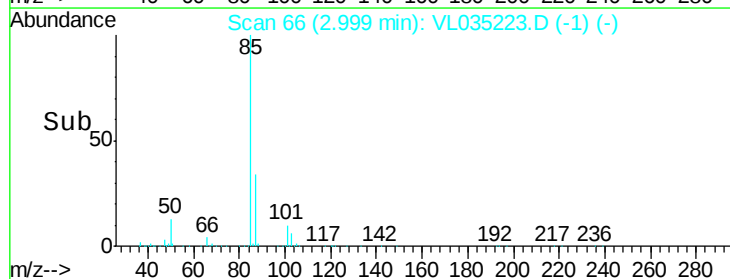
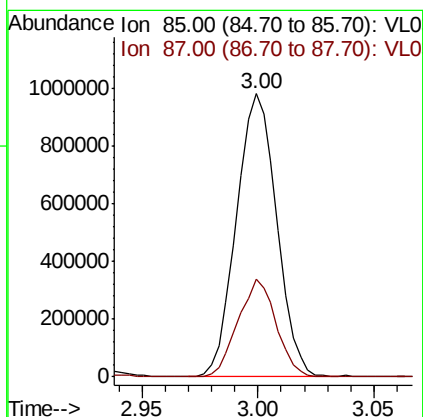
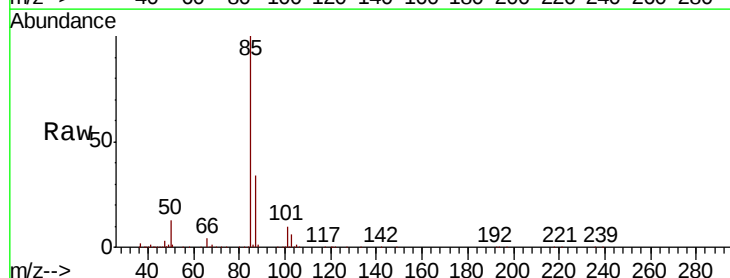
Instrument :
 MSVOA_L
 ClientSampleId :

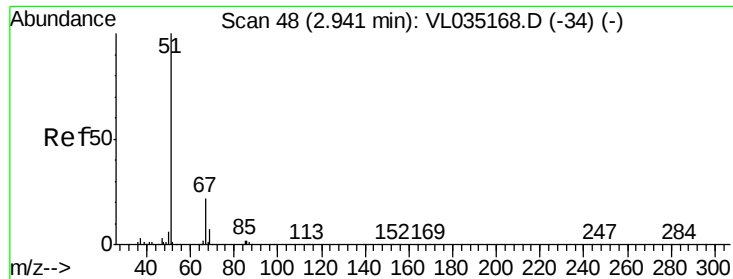
Tot Ion: 49 Resp: 1194112
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.8 71.4
 130 60.8 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 7.084 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 85 Resp: 1185462
 Ion Ratio Lower Upper
 85 100
 87 34.3 27.0 40.6

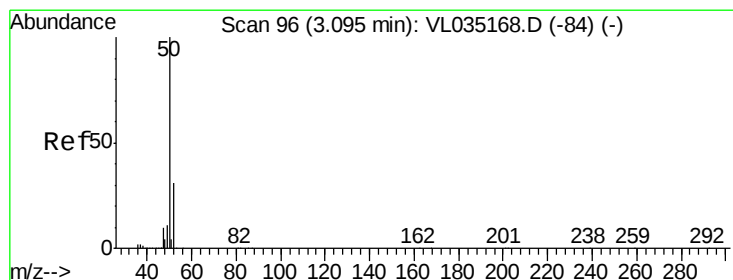
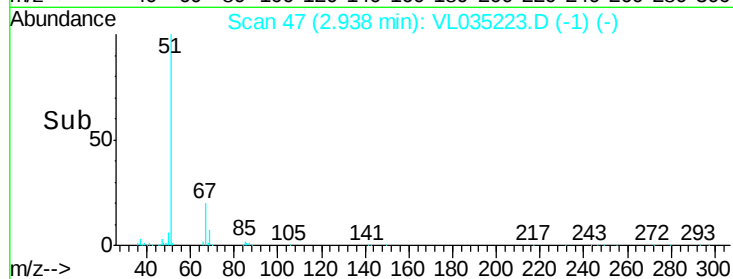
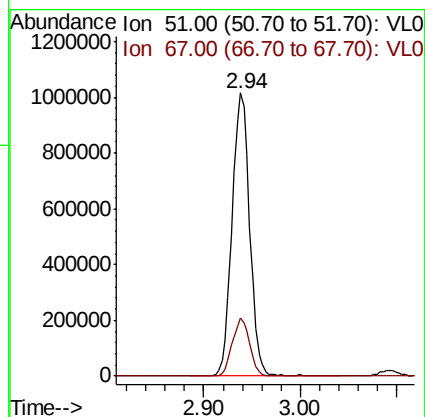
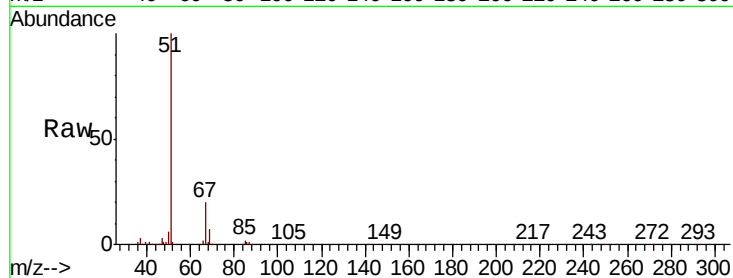




#3
 Chlorodifluoromethane
 Concen: 9.770 ppbv
 RT: 2.94 min Scan# 47
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

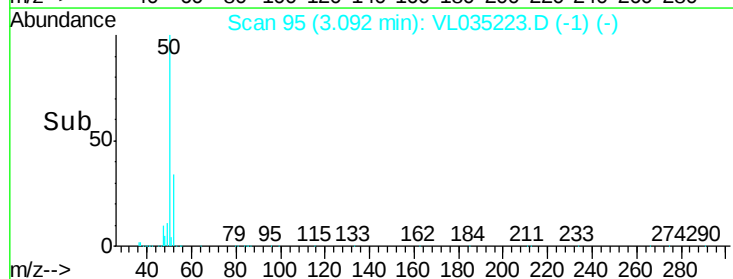
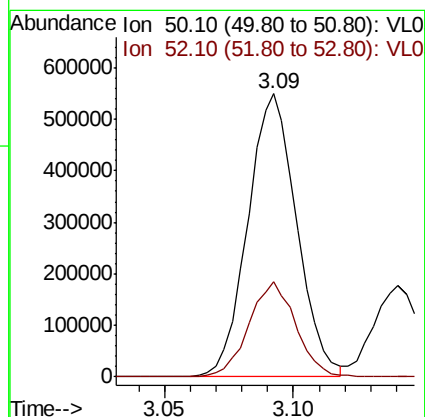
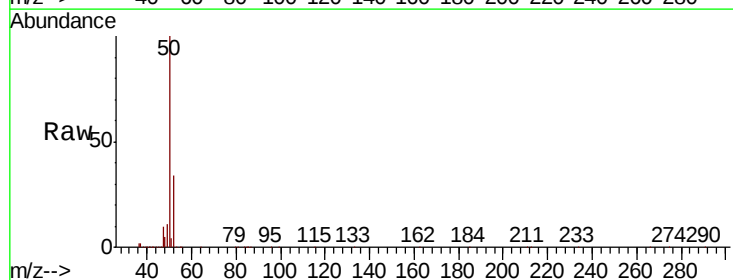
Instrument :
 MSVOA_L
 ClientSampleId :

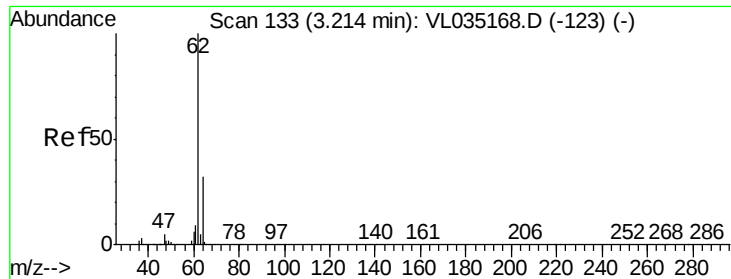
Tot Ion: 51 Resp: 1288635
 Ion Ratio Lower Upper
 51 100
 67 20.1 16.6 24.8



#4
 Chloromethane
 Concen: 9.756 ppbv
 RT: 3.09 min Scan# 95
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 50 Resp: 725257
 Ion Ratio Lower Upper
 50 100
 52 33.7 25.0 37.6





#5

Vinyl Chloride

Concen: 9.431 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

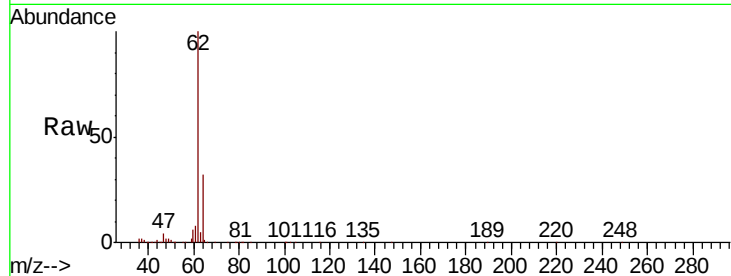
ClientSampleId :

Tot Ion: 62 Resp: 749180

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

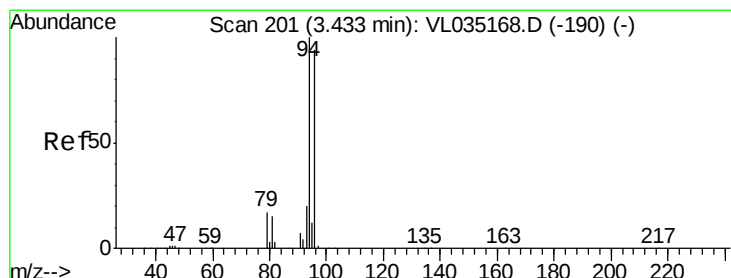
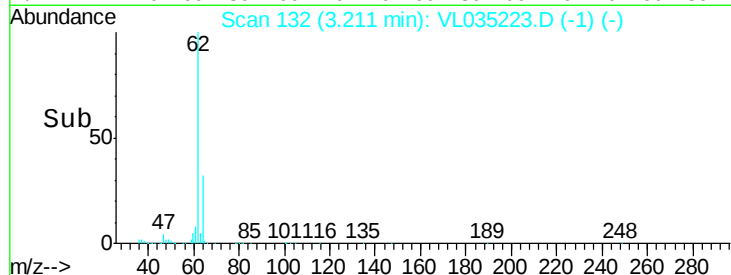
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 10.445 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035223.D

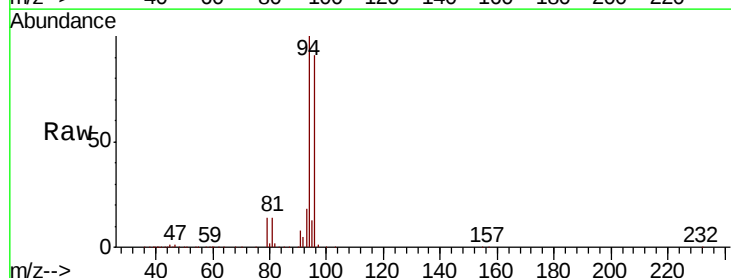
Acq: 23 Jul 2020 9:18

Tgt Ion: 94 Resp: 470904

Ion Ratio Lower Upper

94 100

96 91.4 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

400000

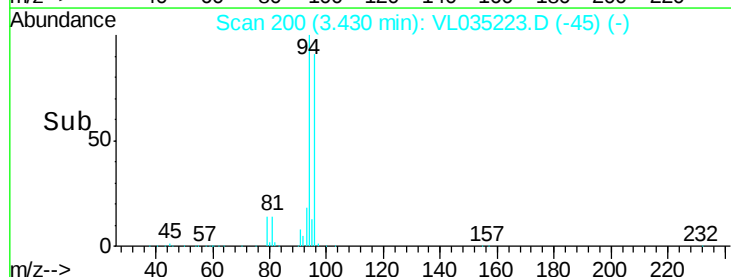
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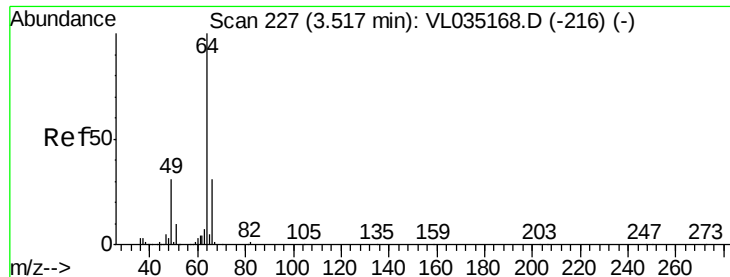
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.010 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

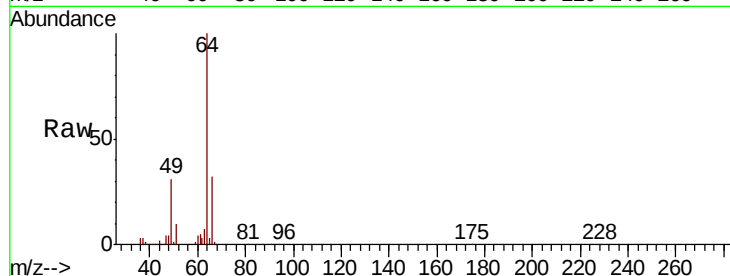
ClientSampleId :

Tot Ion: 64 Resp: 281129

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

200000

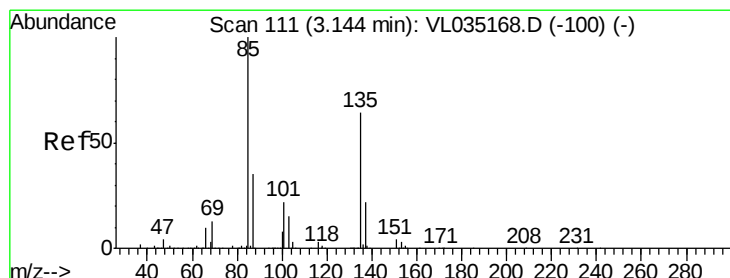
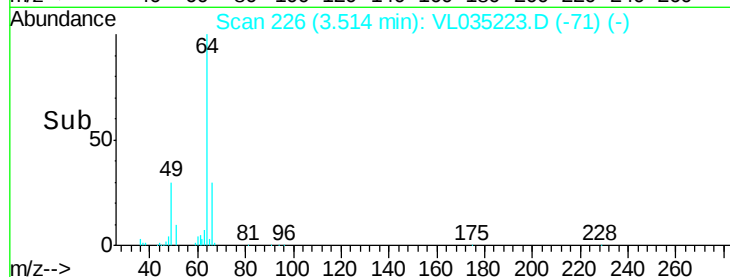
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.215 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035223.D

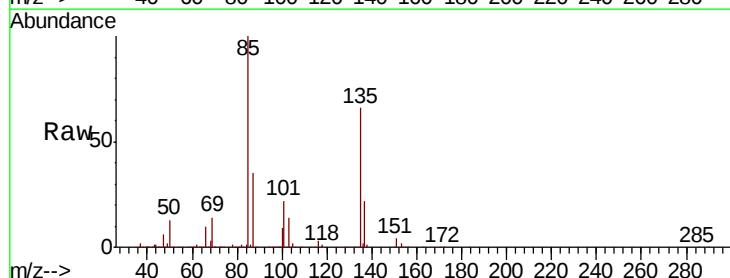
Acq: 23 Jul 2020 9:18

Tgt Ion: 85 Resp: 1690162

Ion Ratio Lower Upper

85 100

135 64.4 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

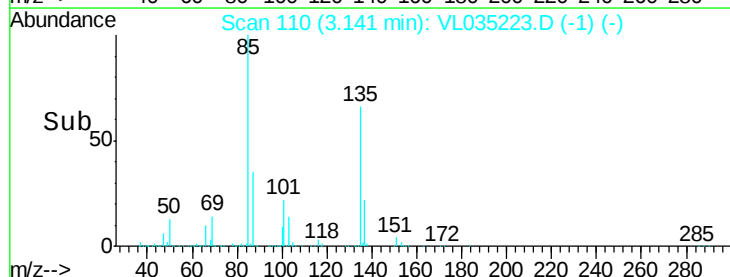
1500000

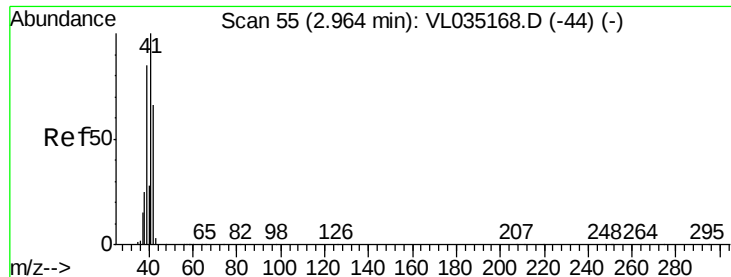
1000000

500000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 10.035 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

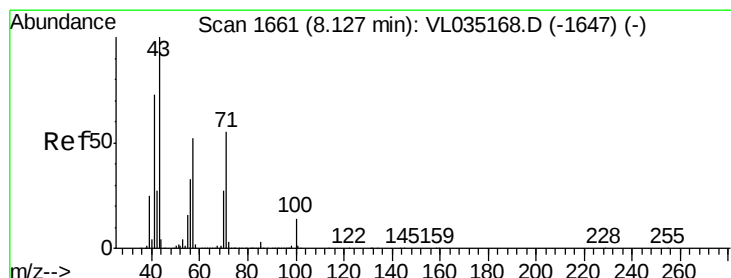
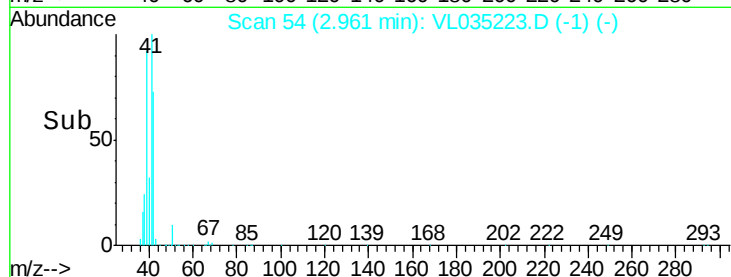
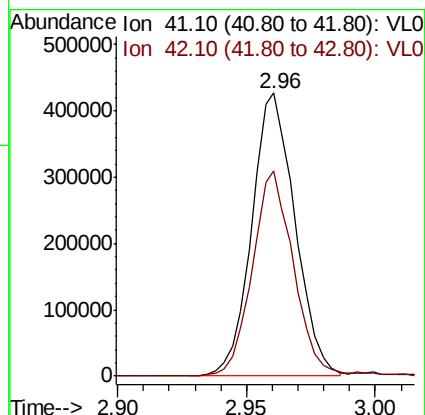
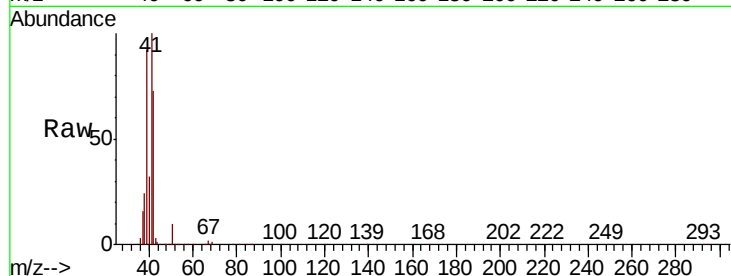
ClientSampleId :

Tot Ion: 41 Resp: 500204

Ion Ratio Lower Upper

41 100

42 70.1 54.6 81.8



#10

Heptane

Concen: 11.376 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035223.D

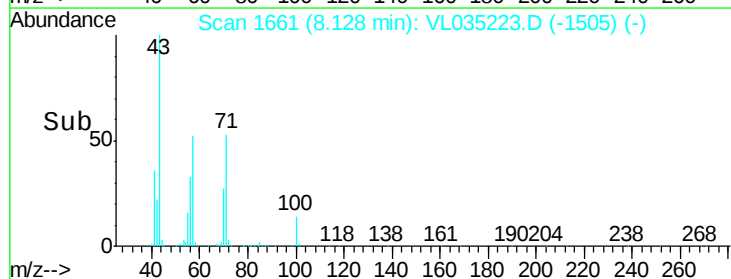
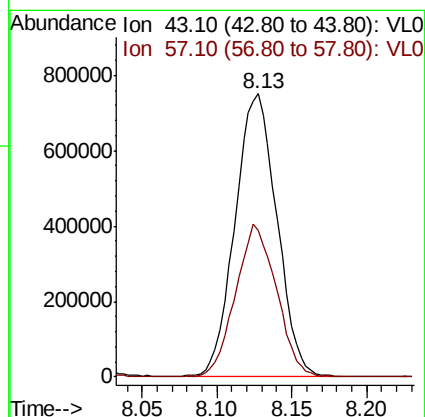
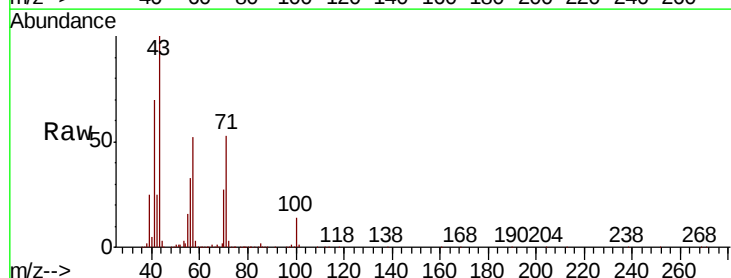
Acq: 23 Jul 2020 9:18

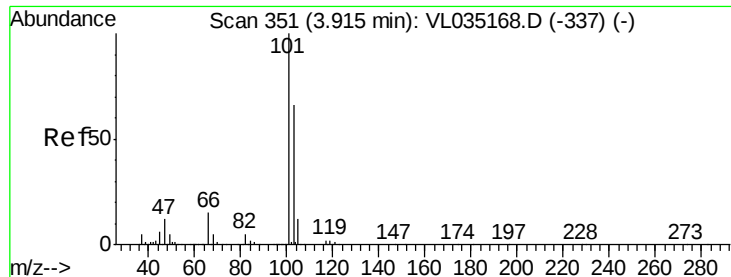
Tgt Ion: 43 Resp: 1455817

Ion Ratio Lower Upper

43 100

57 52.9 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.793 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

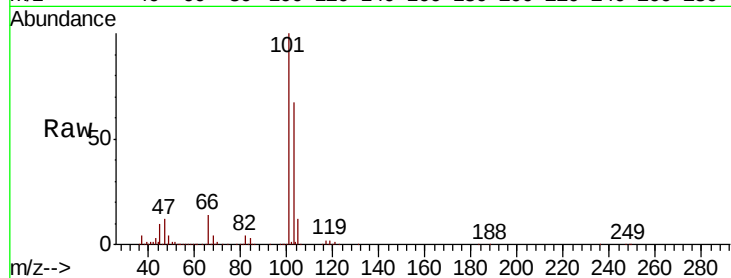
ClientSampleId :

Tot Ion:101 Resp: 1850711

Ion Ratio Lower Upper

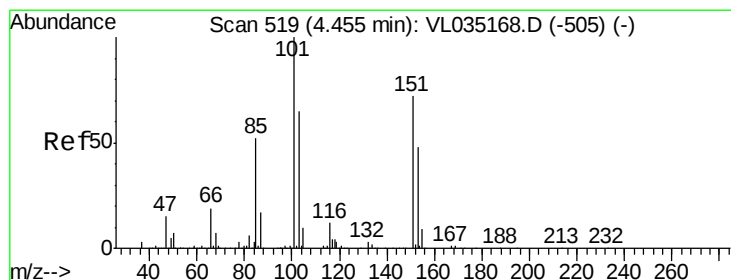
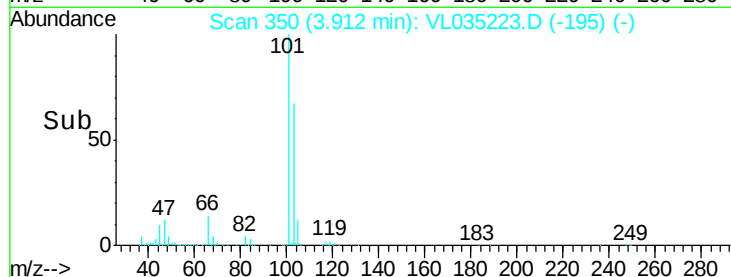
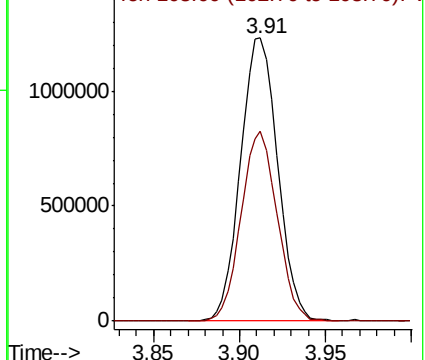
101 100

103 67.1 53.1 79.7



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: 9.848 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.00 min

Lab File: VL035223.D

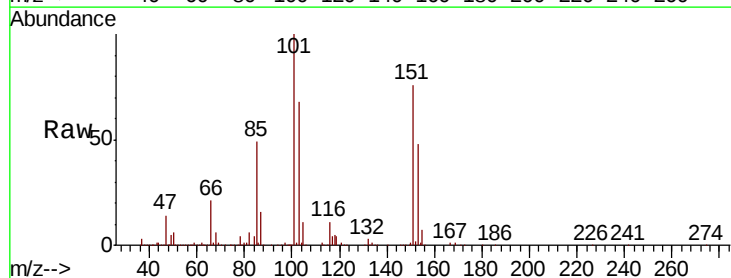
Acq: 23 Jul 2020 9:18

Tgt Ion:101 Resp: 1306976

Ion Ratio Lower Upper

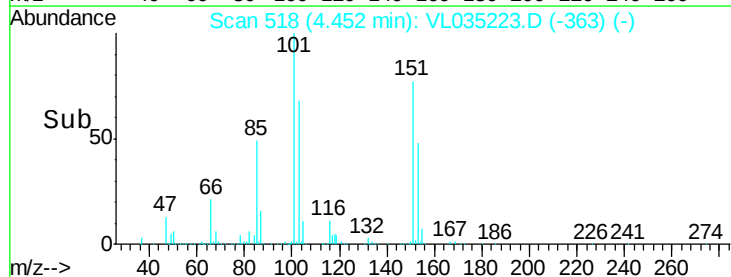
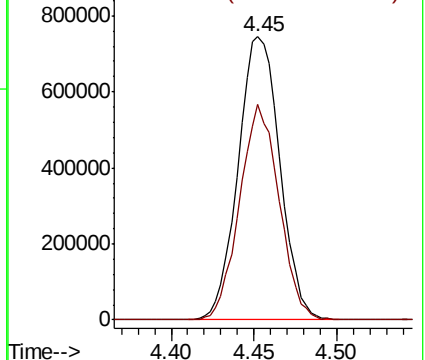
101 100

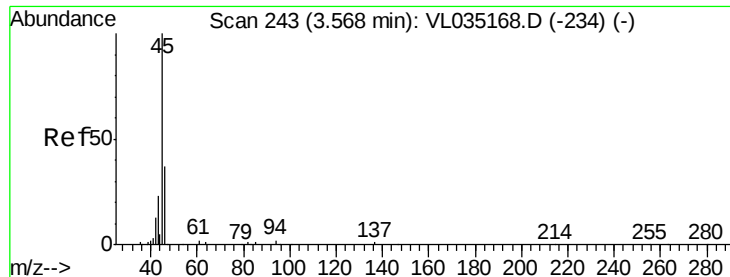
151 71.9 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

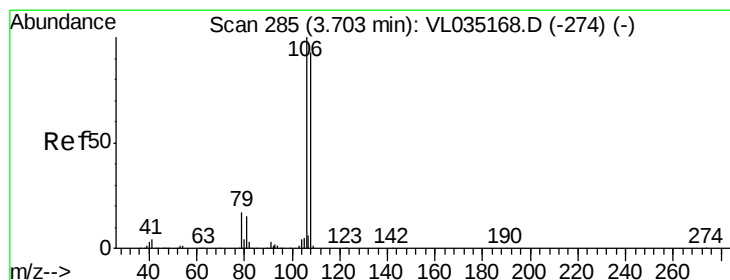
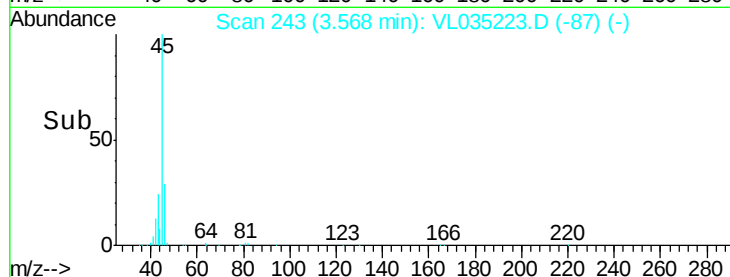
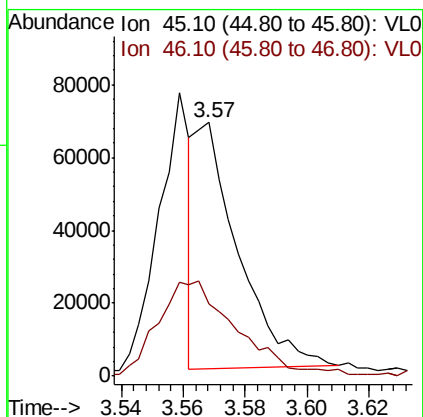
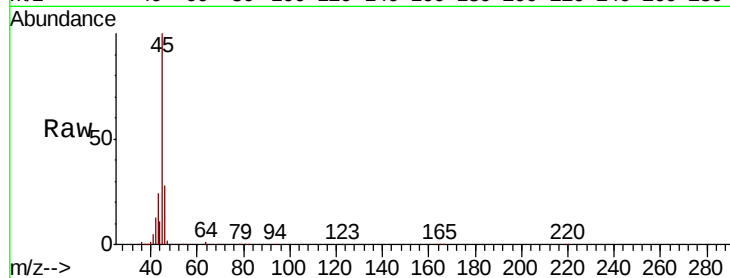




#13
Ethanol
Concen: 4.057 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

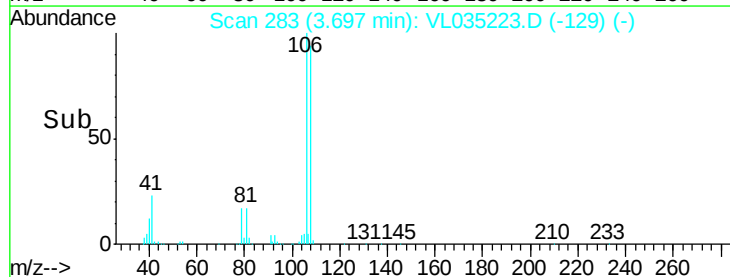
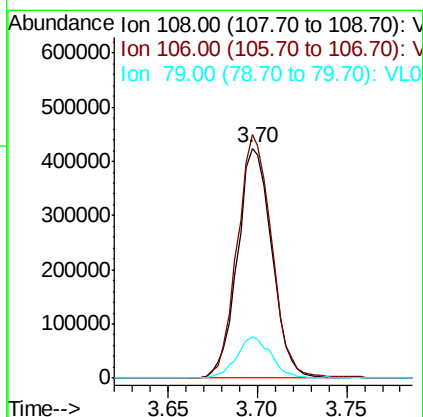
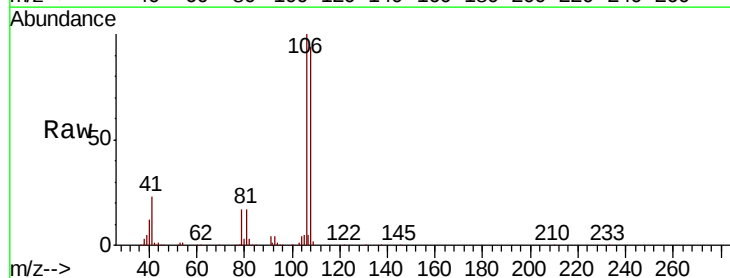
Instrument :
MSVOA_L
ClientSampled :

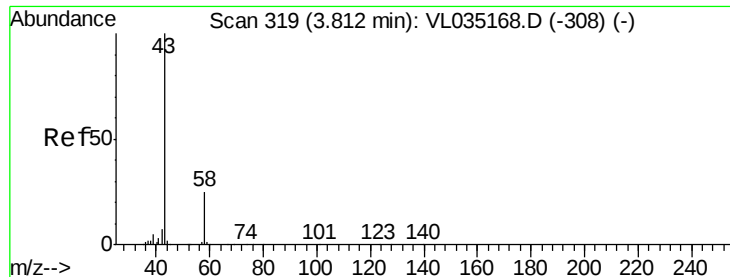
Tot Ion: 45 Resp: 64390
Ion Ratio Lower Upper
45 100
46 73.8 16.2 65.0#



#14
Bromoethene
Concen: 10.380 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

Tgt Ion: 108 Resp: 566954
Ion Ratio Lower Upper
108 100
106 106.5 86.2 129.2
79 18.3 15.0 22.6





#15

Acetone

Concen: 8.677 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

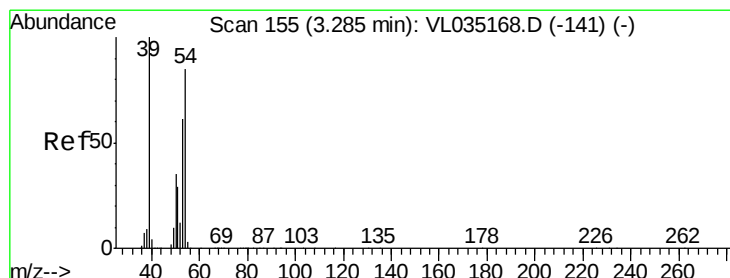
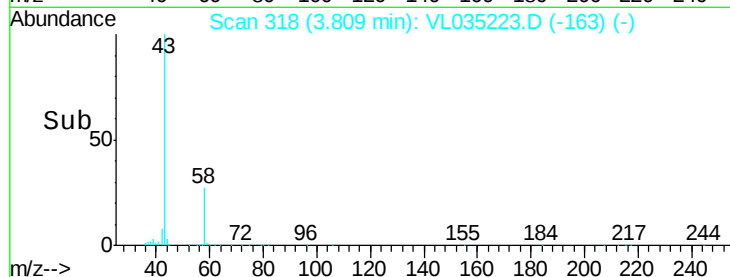
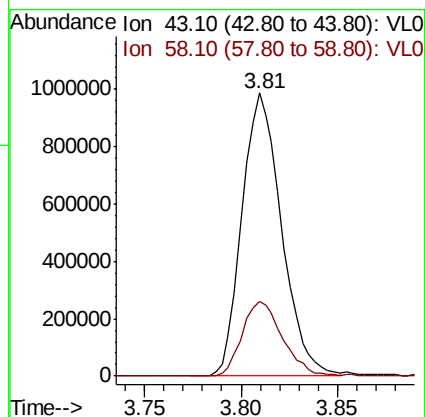
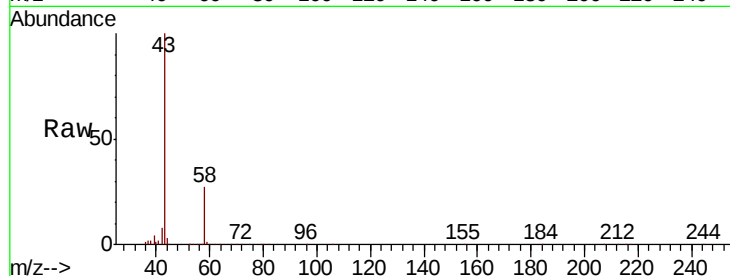
ClientSampleId :

Tot Ion: 43 Resp: 1402757

Ion Ratio Lower Upper

43 100

58 27.3 21.3 31.9



#16

1,3-Butadiene

Concen: 10.768 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035223.D

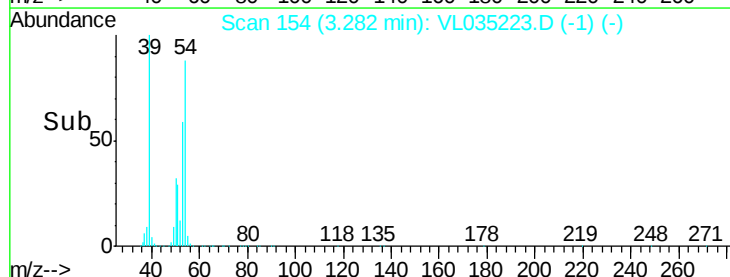
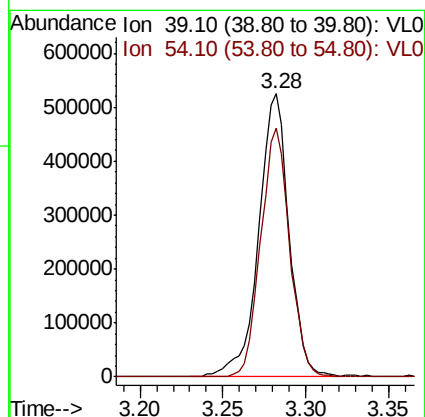
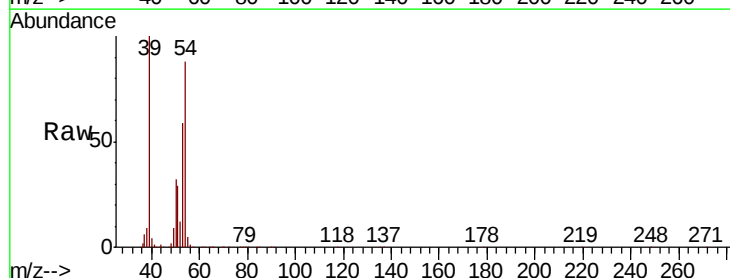
Acq: 23 Jul 2020 9:18

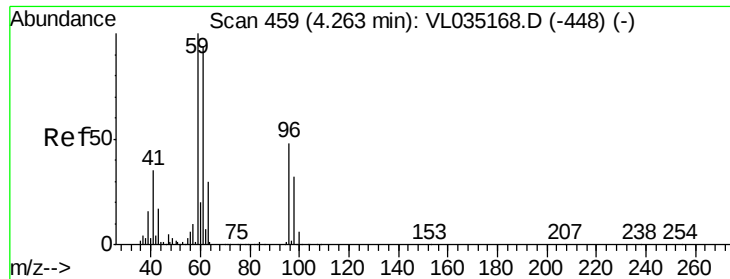
Tgt Ion: 39 Resp: 668223

Ion Ratio Lower Upper

39 100

54 83.9 67.2 100.8





#17

tert-Butyl alcohol
 Concen: 11.065 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

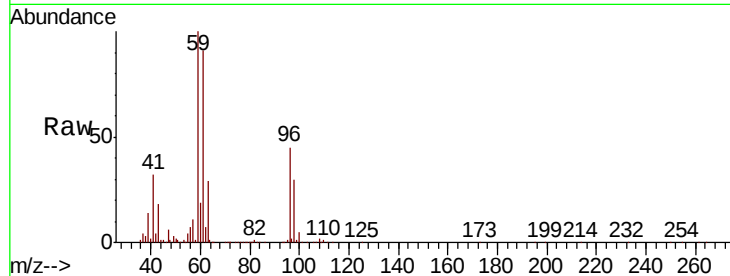
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 59 Resp: 1582799

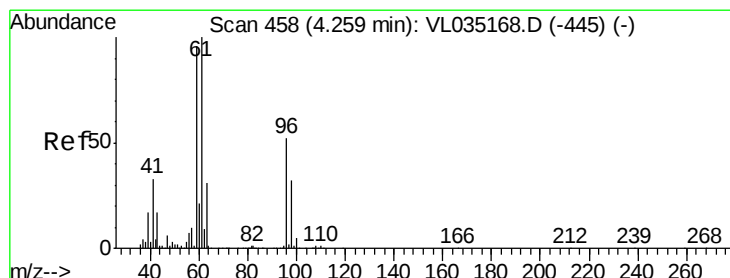
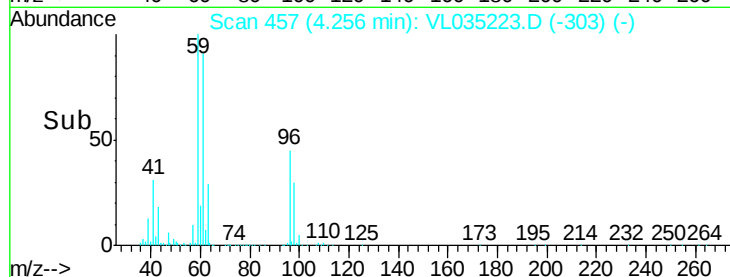
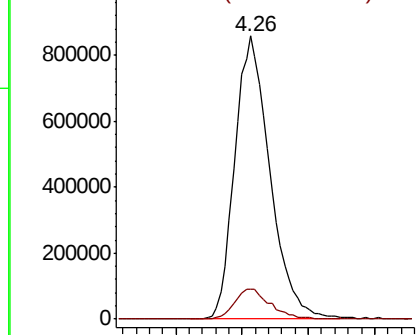
Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
 Concen: 10.272 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

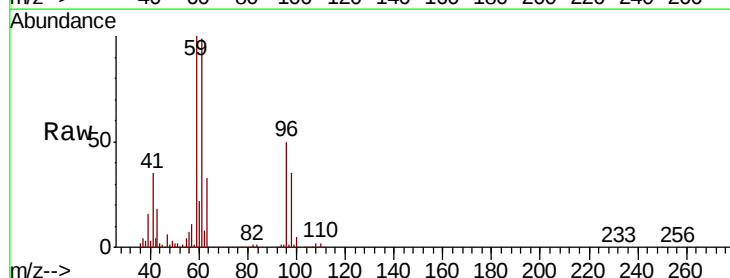
Tgt Ion: 96 Resp: 603626

Ion Ratio Lower Upper

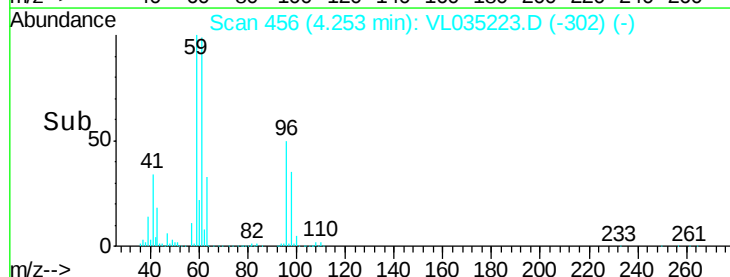
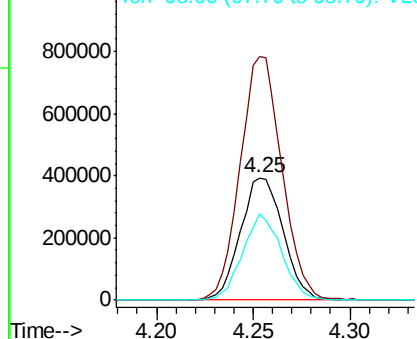
96 100

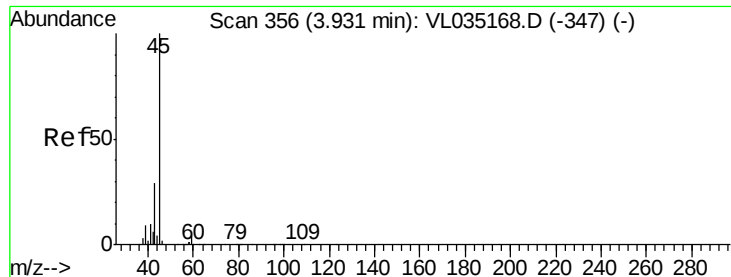
61 199.1 152.9 229.3

98 70.5 48.7 73.1



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



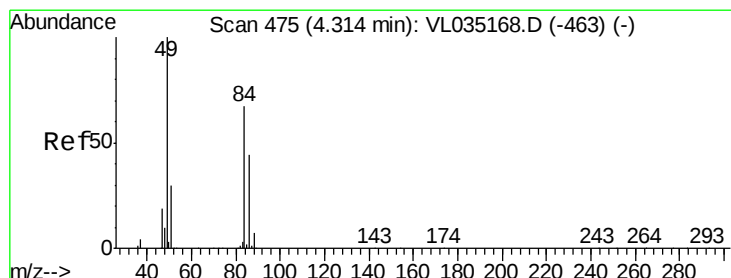
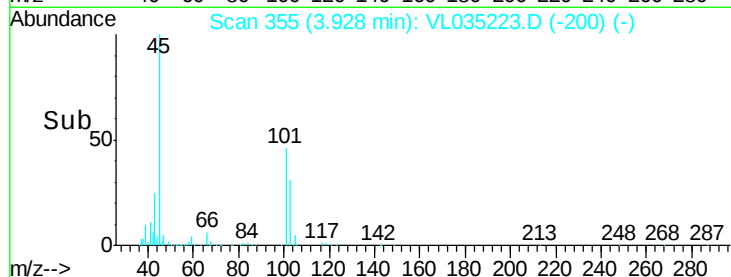
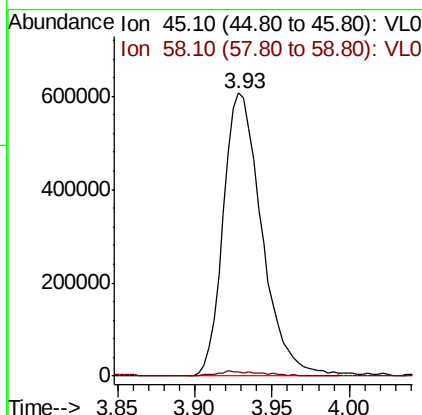
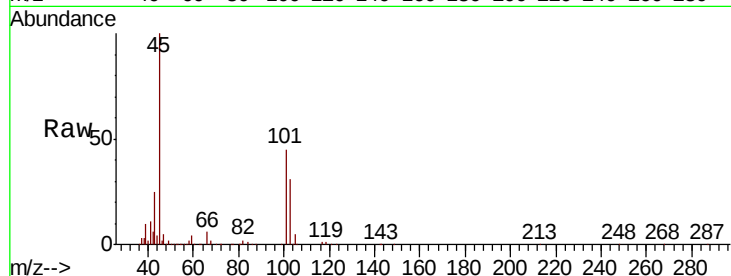


#19

Isopropyl Alcohol
 Concen: 10.644 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Instrument :
 MSVOA_L
 ClientSampleId :

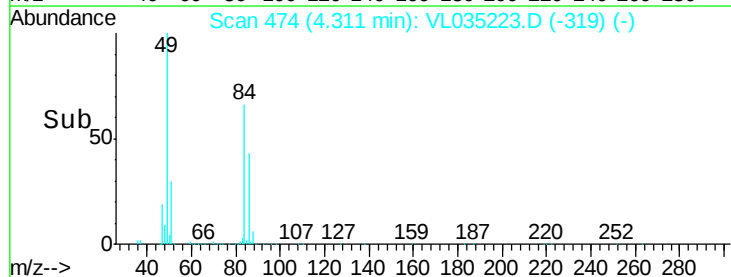
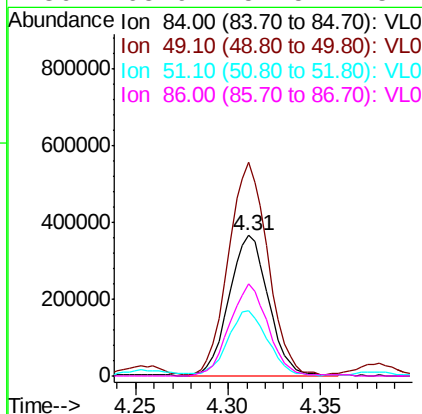
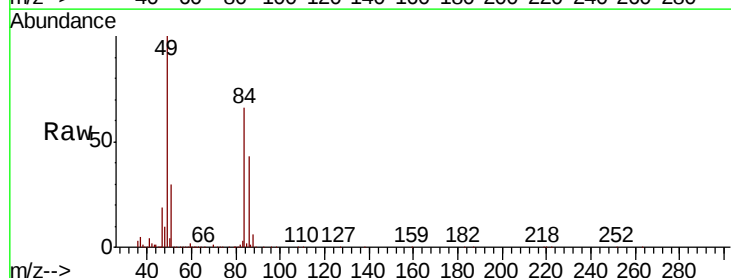
Tot Ion: 45 Resp: 1038110
 Ion Ratio Lower Upper
 45 100
 58 2.2 2.1 3.1

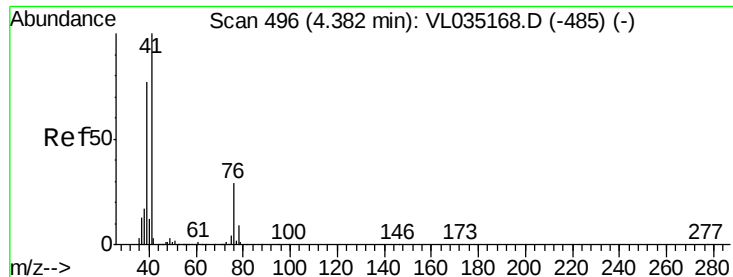


#20

Methylene Chloride
 Concen: 7.698 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 84 Resp: 541511
 Ion Ratio Lower Upper
 84 100
 49 151.4 119.4 179.0
 51 45.4 36.6 55.0
 86 65.9 52.5 78.7





#21

Allvl Chloride

Concen: 10.199 ppbv

RT: 4.38 min Scan# 496

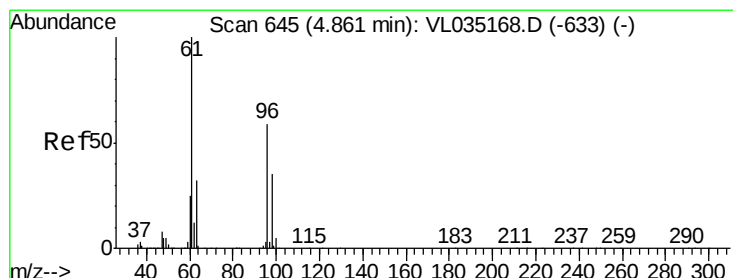
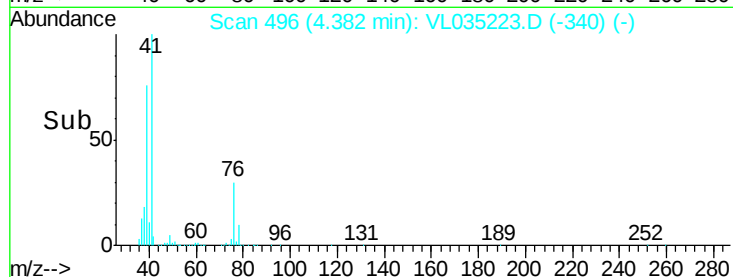
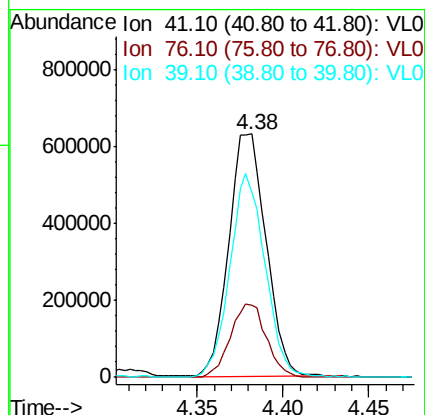
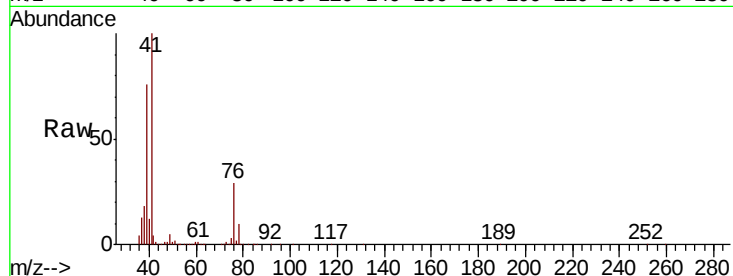
Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	41	Resp:	959635
Ion	Ratio	Lower	Upper
41	100		
76	29.3	23.5	35.3
39	79.0	63.4	95.0



#22

trans-1,2-Dichloroethene

Concen: 9.996 ppbv

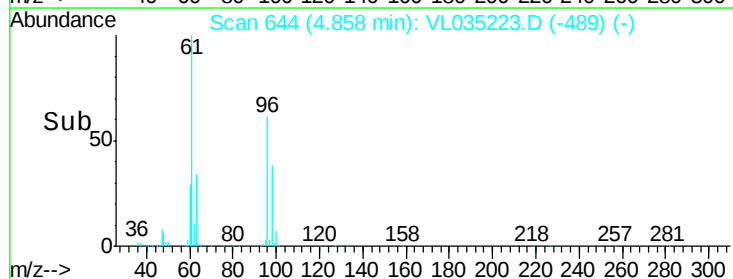
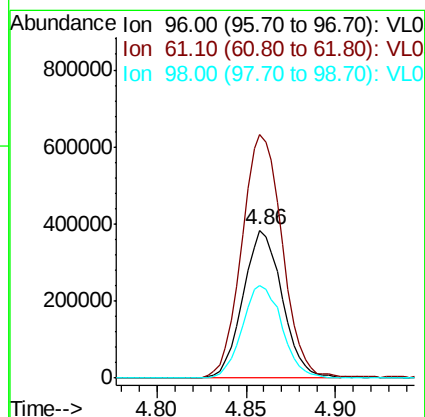
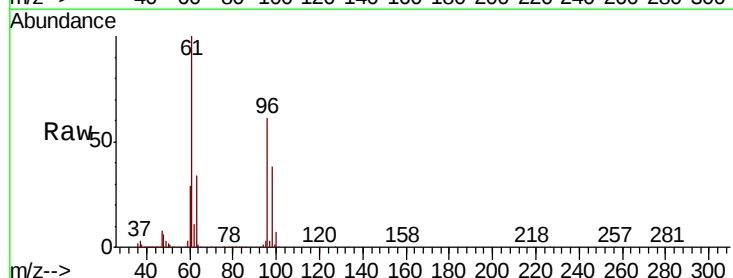
RT: 4.86 min Scan# 644

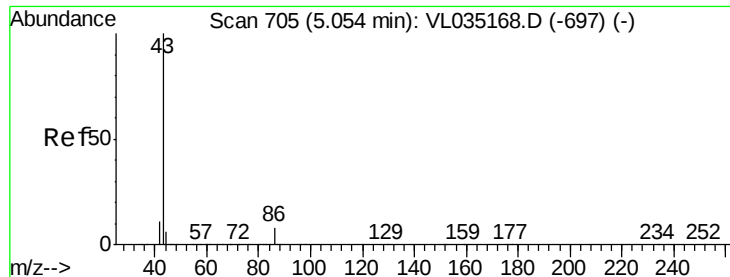
Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion:	96	Resp:	586429
Ion	Ratio	Lower	Upper
96	100		
61	164.4	136.5	204.7
98	62.7	47.5	71.3





#23

Vinyl Acetate

Concen: 10.554 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

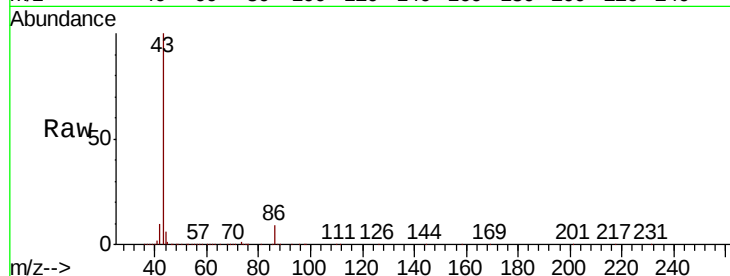
Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

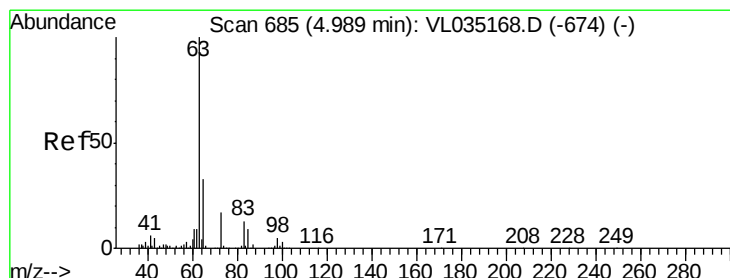
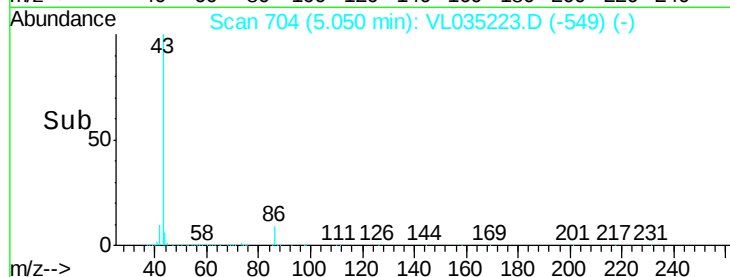
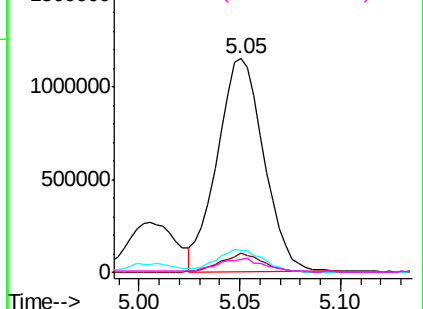
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1846938

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.2
42	10.3	9.1	13.7
44	5.8	4.6	6.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.122 ppbv

RT: 4.99 min Scan# 684

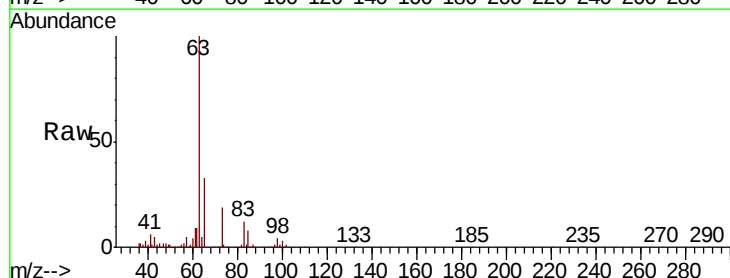
Delta R.T. -0.00 min

Lab File: VL035223.D

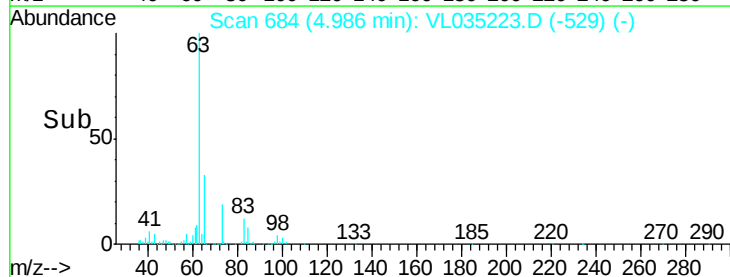
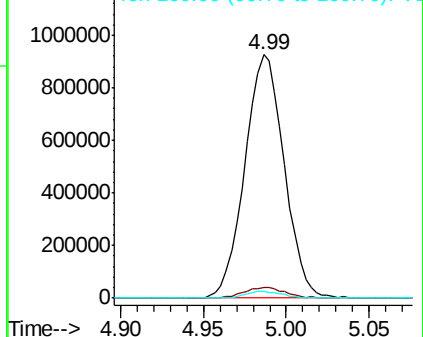
Acq: 23 Jul 2020 9:18

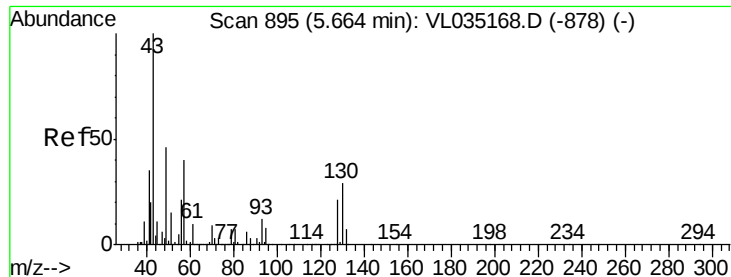
Tgt Ion: 63 Resp: 1521111

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.1
100	2.8	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.333 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

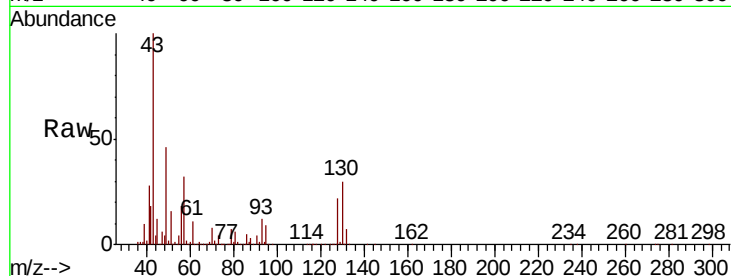
Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2592313

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.1	8.1	12.1
70	7.6	6.3	9.5



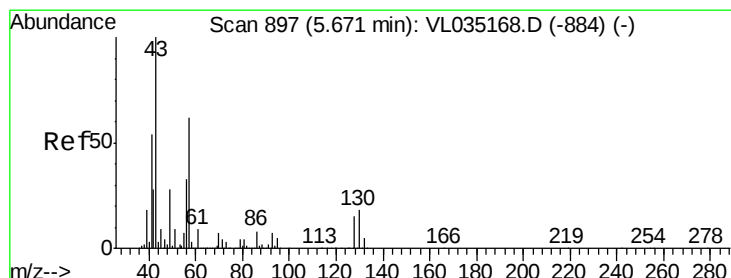
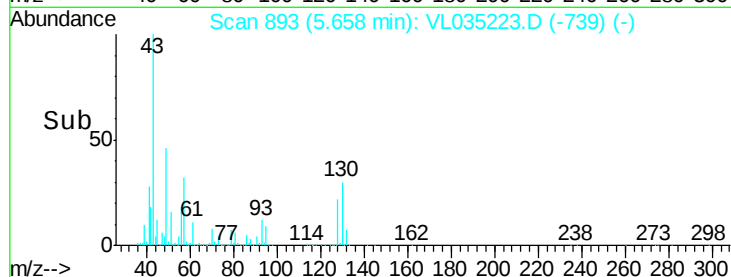
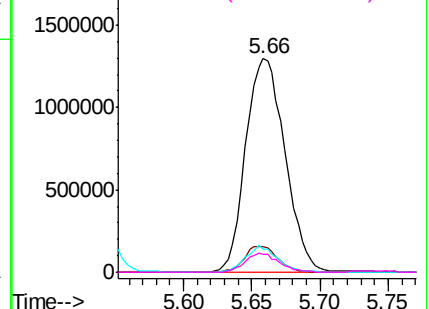
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.385 ppbv

RT: 5.67 min Scan# 897

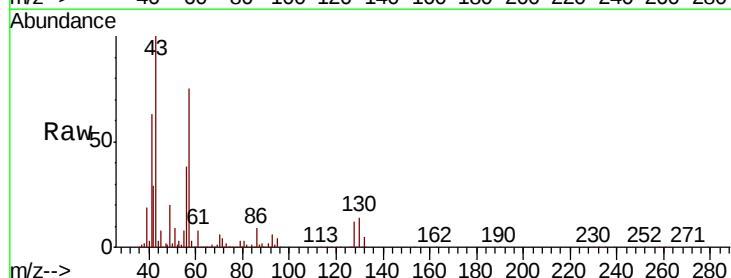
Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion: 57 Resp: 1148787

Ion	Ratio	Lower	Upper
57	100		
41	91.1	72.9	109.3
43	226.5	179.5	269.3
56	53.9	42.9	64.3



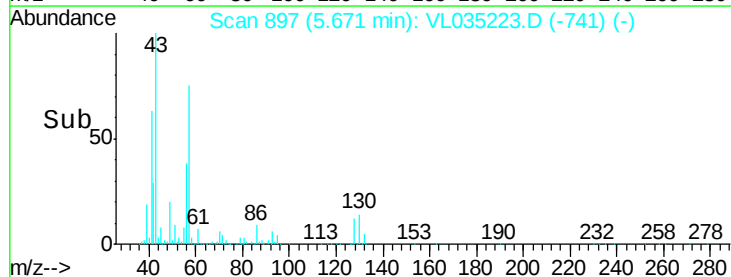
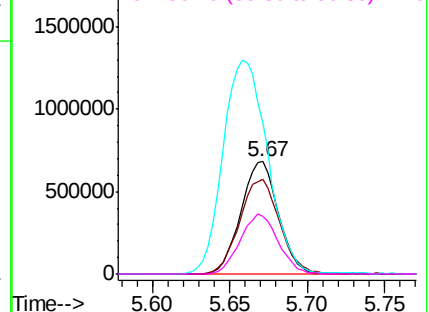
Abundance

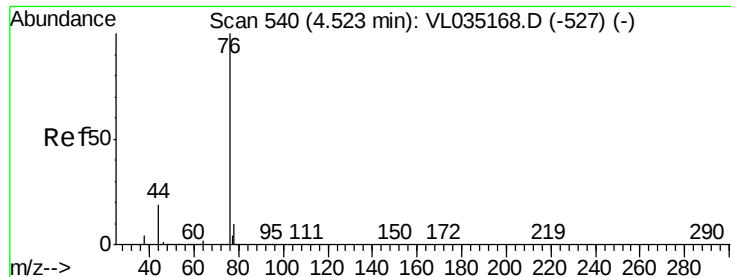
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.490 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

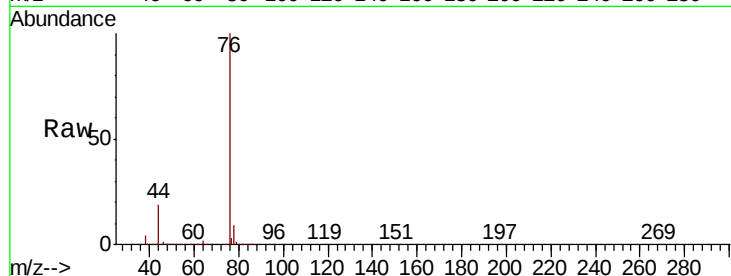
Tot Ion: 76 Resp: 1620304

Ion Ratio Lower Upper

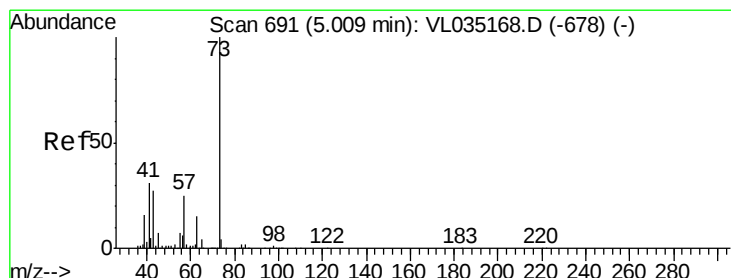
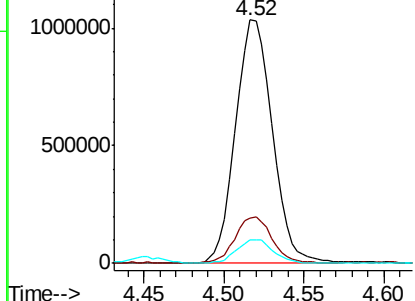
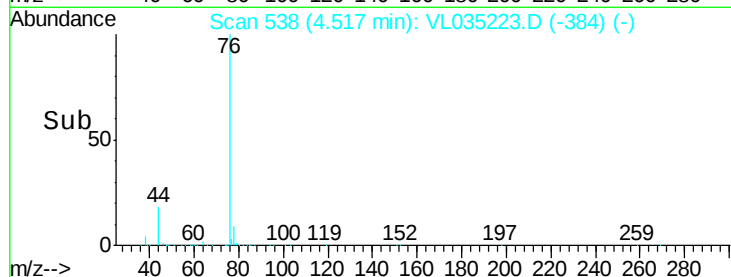
76 100

44 19.0 14.9 22.3

78 9.7 7.5 11.3



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: 10.551 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL035223.D

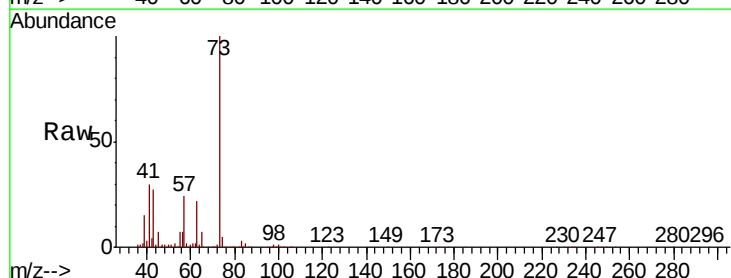
Acq: 23 Jul 2020 9:18

Tgt Ion: 73 Resp: 1778142

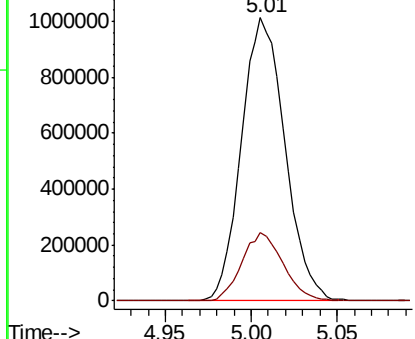
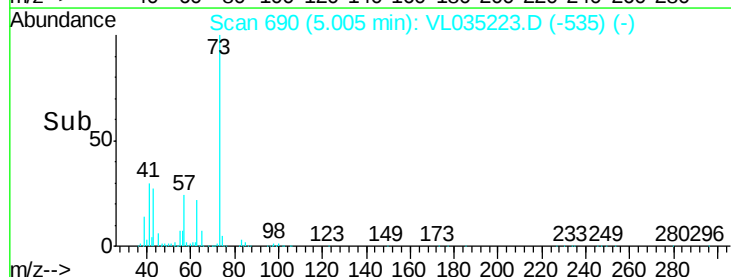
Ion Ratio Lower Upper

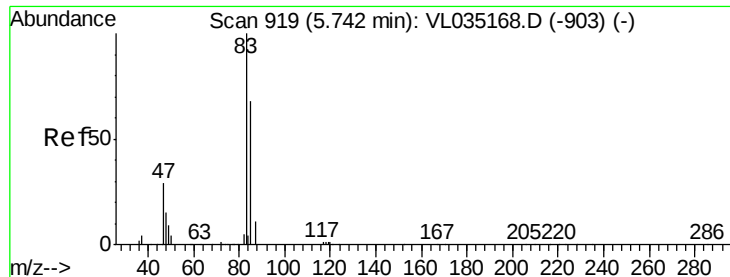
73 100

57 23.1 18.1 27.1



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

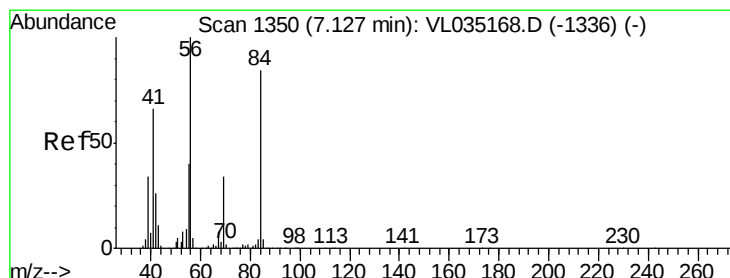
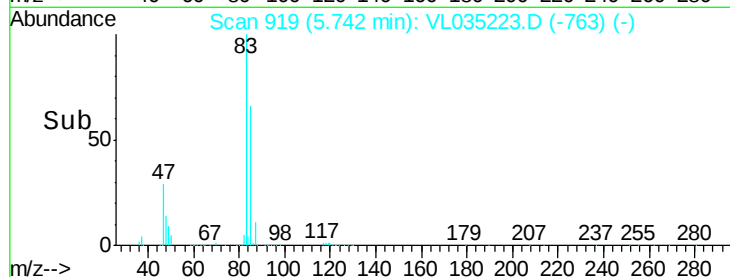
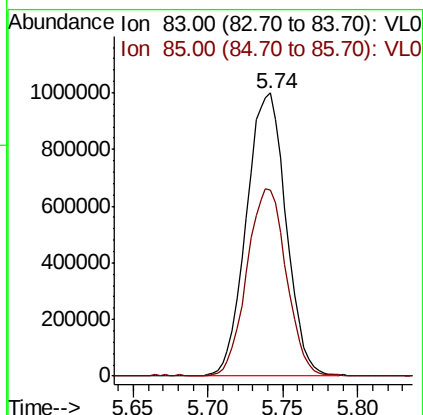
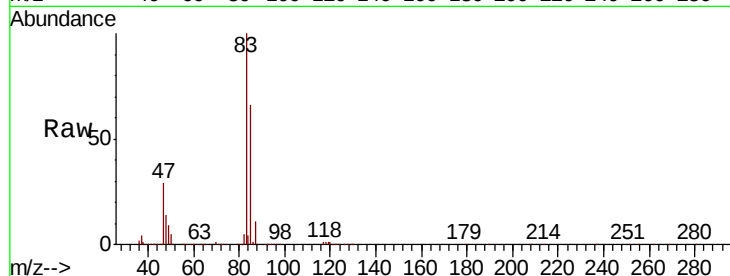




#29
Chloroform
Concen: 9.917 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

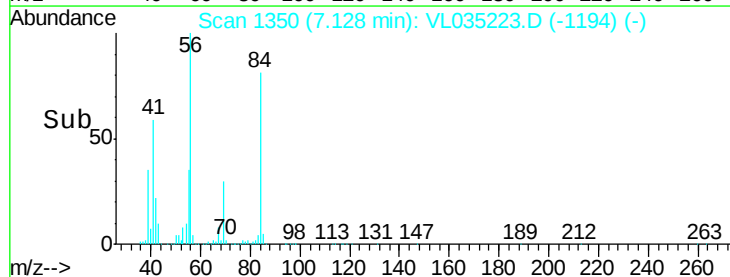
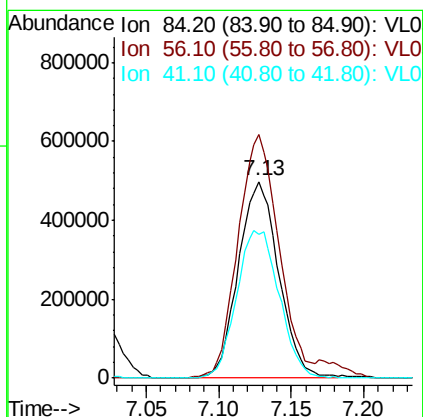
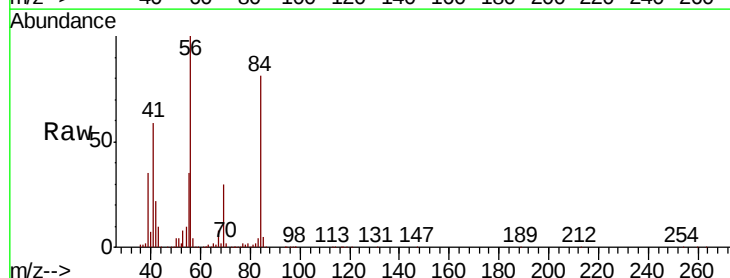
Instrument :
MSVOA_L
ClientSampleId :

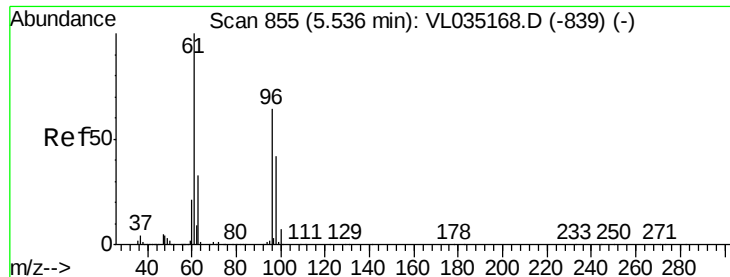
Tot Ion: 83 Resp: 1839098
Ion Ratio Lower Upper
83 100
85 65.9 54.3 81.5



#30
Cyclohexane
Concen: 11.708 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

Tgt Ion: 84 Resp: 958270
Ion Ratio Lower Upper
84 100
56 133.1 105.6 158.4
41 80.0 64.9 97.3





#31

cis-1,2-Dichloroethene

Concen: 10.790 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

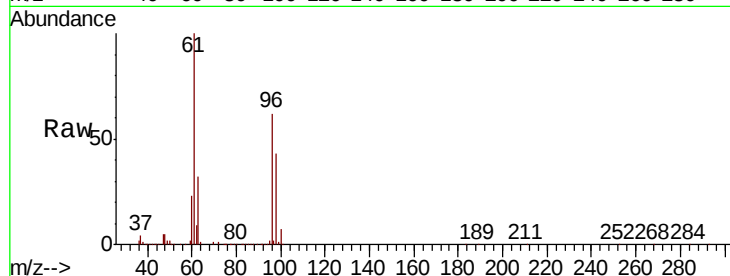
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 61 Resp: 1128927

Ion	Ratio	Lower	Upper
61	100		
96	61.8	51.3	76.9
98	43.1	33.8	50.8

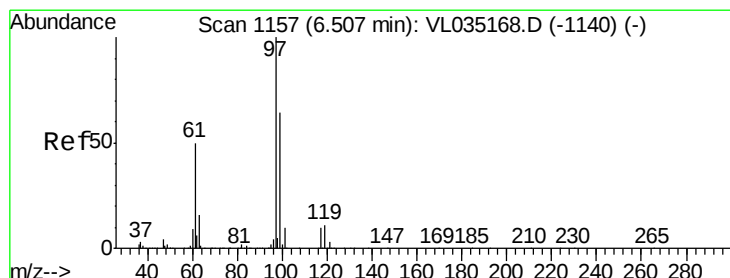
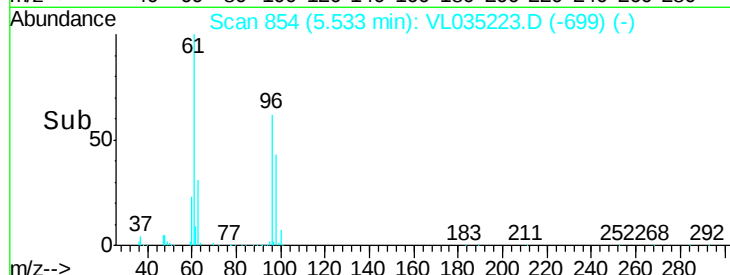
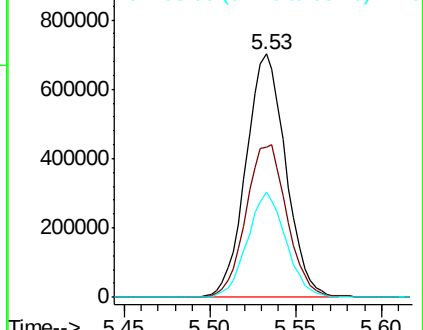


Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.868 ppbv

RT: 6.51 min Scan# 1157

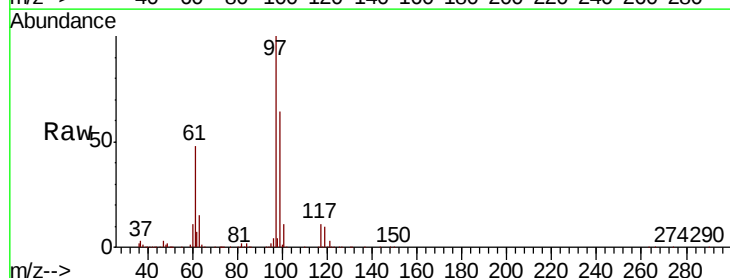
Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion: 97 Resp: 1834108

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	50.2	40.9	61.3

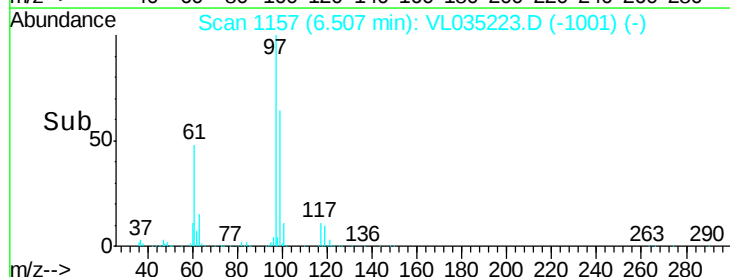
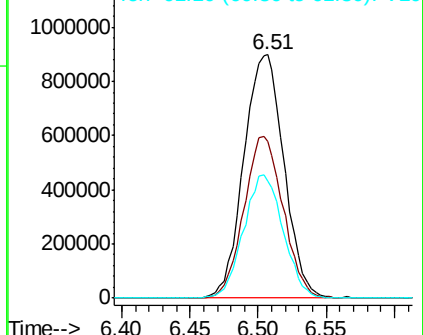


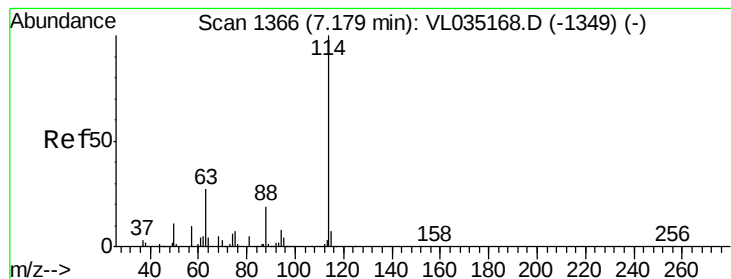
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

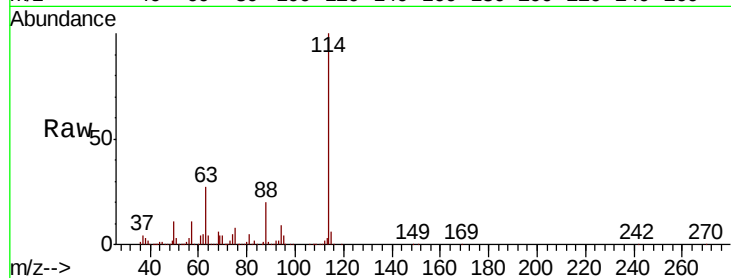
Tot Ion:114 Resp: 2859067

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

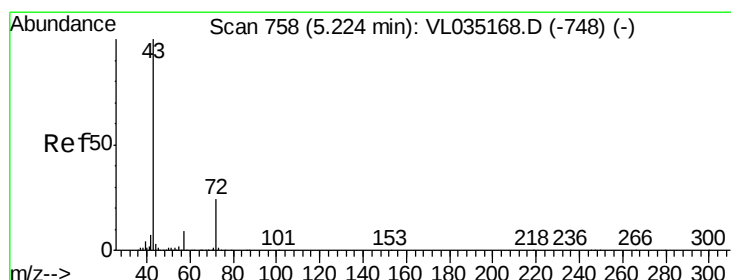
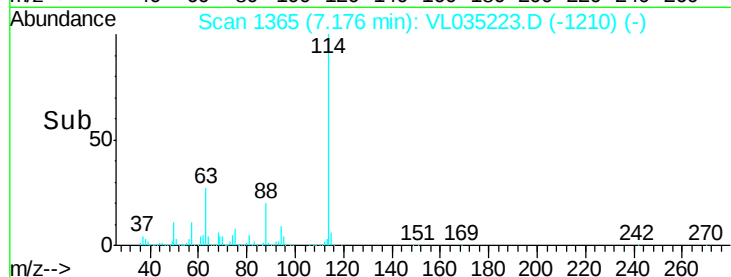
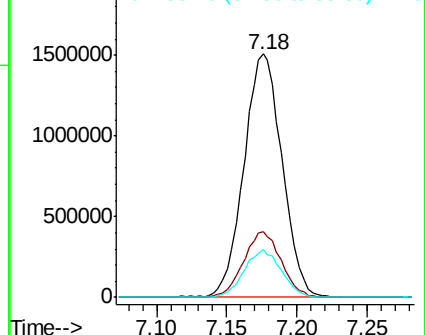
88 19.1 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.452 ppbv

RT: 5.22 min Scan# 757

Delta R.T. -0.00 min

Lab File: VL035223.D

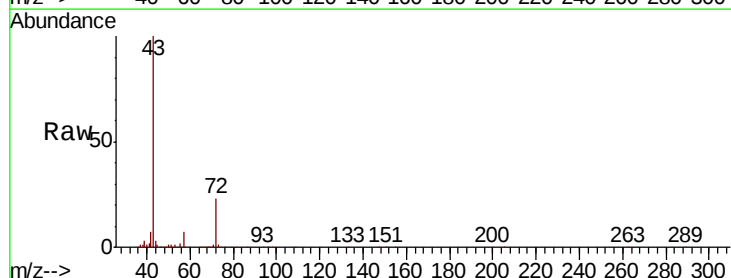
Acq: 23 Jul 2020 9:18

Tgt Ion: 43 Resp: 1595048

Ion Ratio Lower Upper

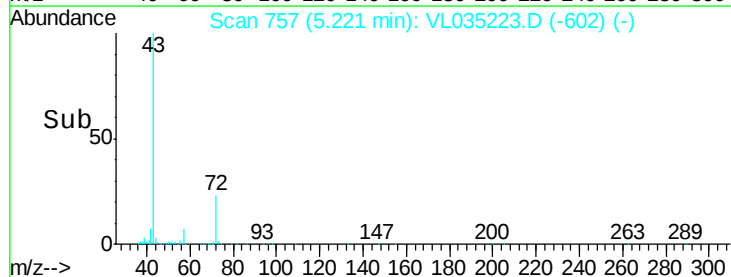
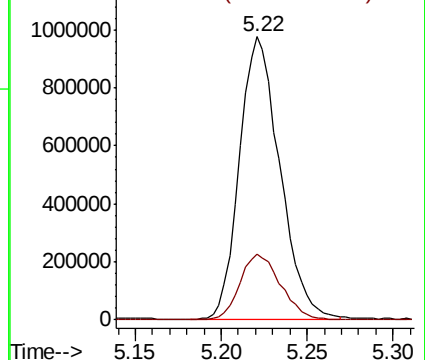
43 100

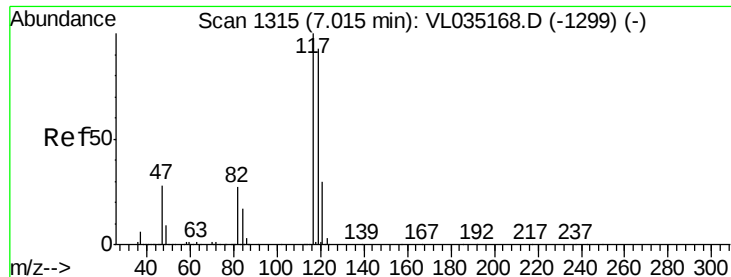
72 23.5 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

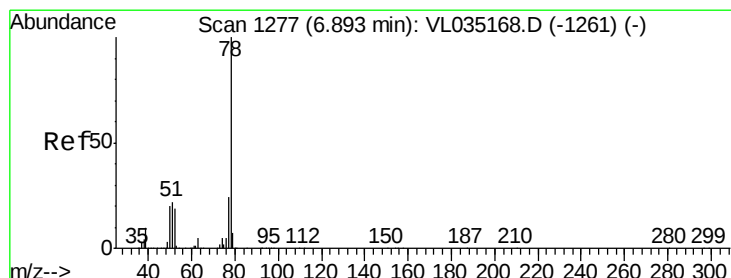
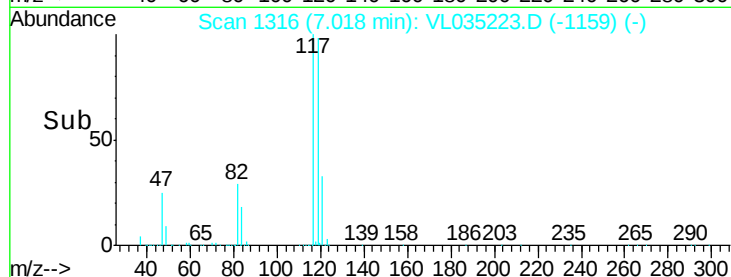
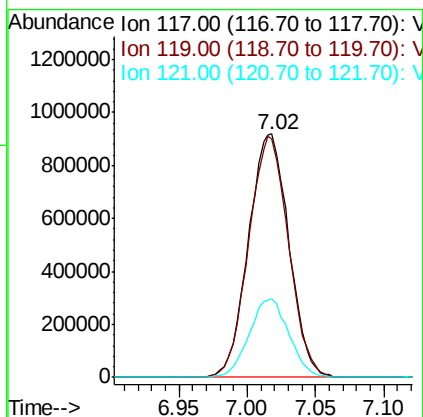
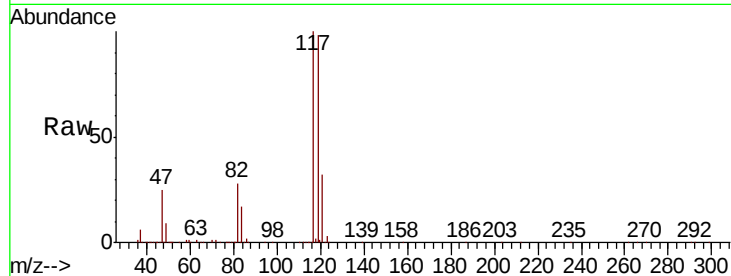




#35
Carbon Tetrachloride
Concen: 10.149 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

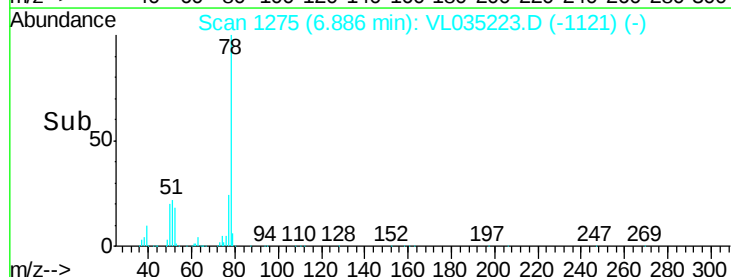
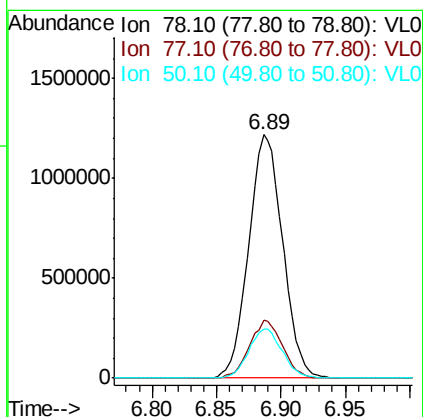
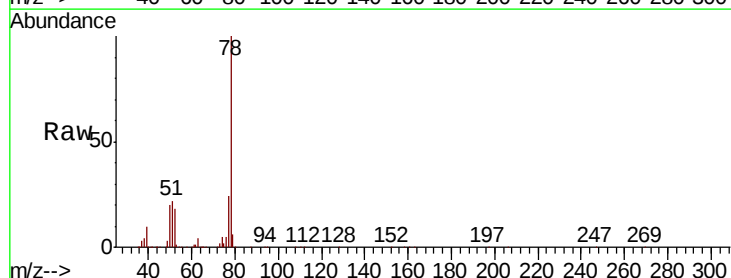
Instrument :
MSVOA_L
ClientSampleId :

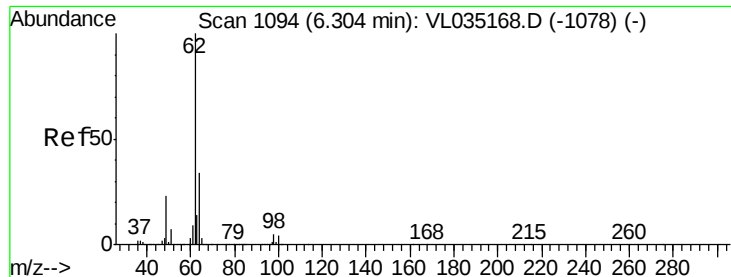
Tot Ion:117 Resp: 1883645
Ion Ratio Lower Upper
117 100
119 97.8 74.8 112.2
121 32.5 24.2 36.2



#36
Benzene
Concen: 10.822 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

Tgt Ion: 78 Resp: 2239242
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9
50 20.3 16.0 24.0





#37

1,2-Dichloroethane

Concen: 10.211 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

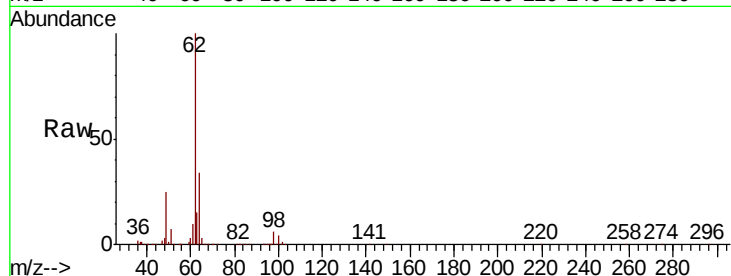
ClientSampleId :

Tot Ion: 62 Resp: 1417974

Ion Ratio Lower Upper

62 100

98 5.8 4.6 6.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

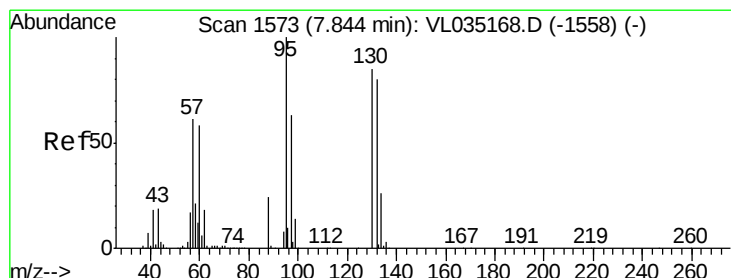
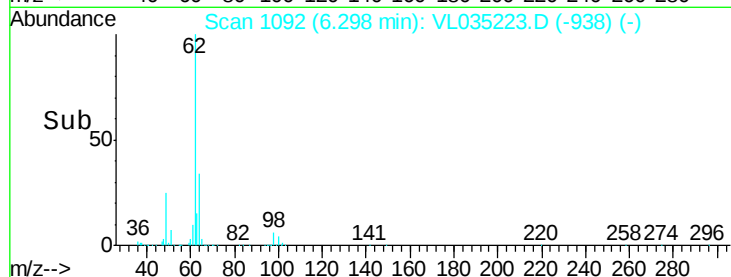
400000

200000

0

6.25 6.30 6.35

Time-->



#38

Trichloroethene

Concen: 10.913 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion: 130 Resp: 920118

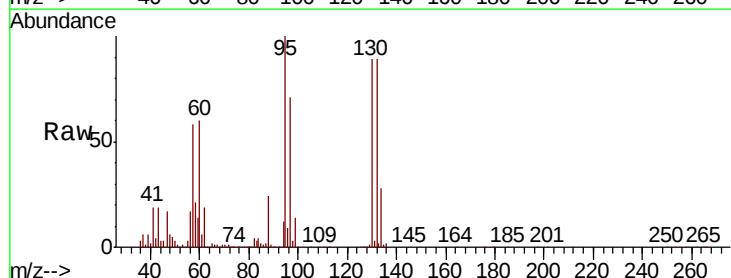
Ion Ratio Lower Upper

130 100

95 111.7 93.8 140.8

132 99.7 75.0 112.4

97 79.5 59.5 89.3



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

800000

600000

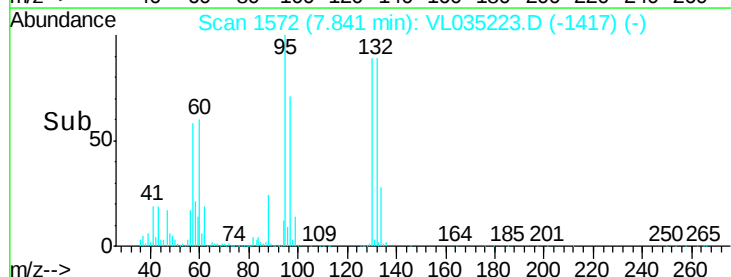
400000

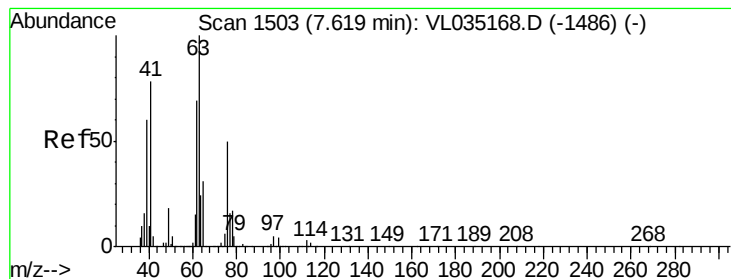
200000

0

7.75 7.80 7.85 7.90

Time-->





#39

1,2-Dichloropropane

Concen: 10.816 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

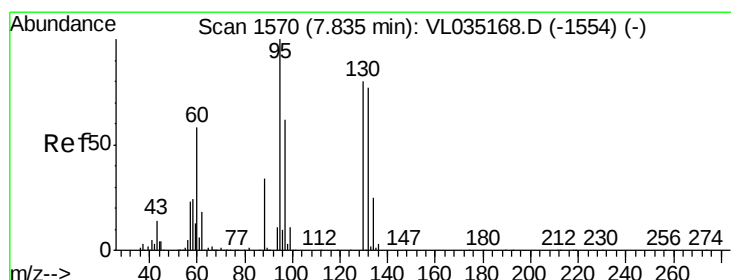
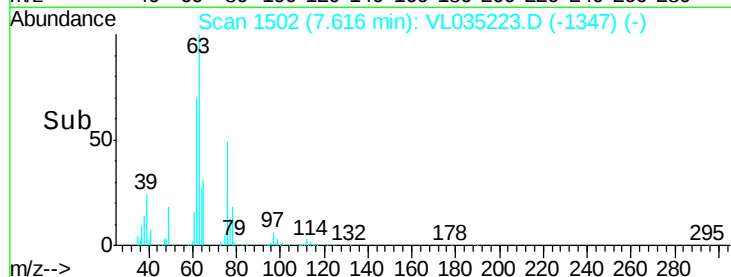
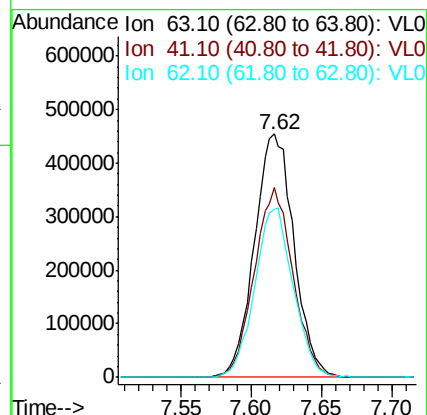
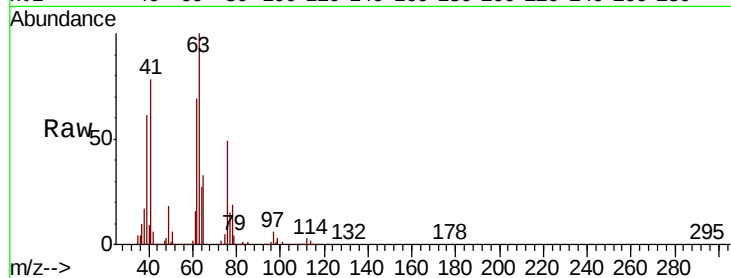
Tot Ion: 63 Resp: 890031

Ion Ratio Lower Upper

63 100

41 77.7 62.6 94.0

62 69.0 55.0 82.6



#40

1,4-Dioxane

Concen: 10.678 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion: 88 Resp: 349799

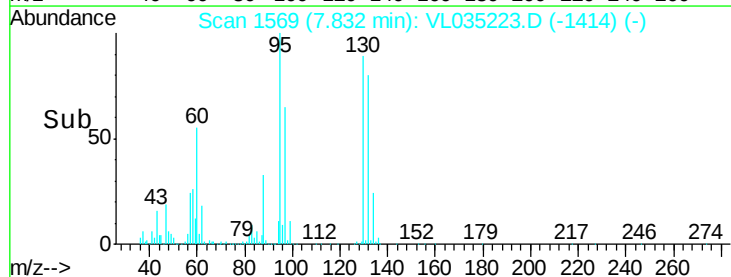
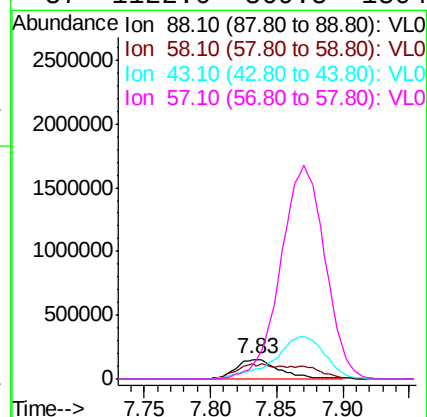
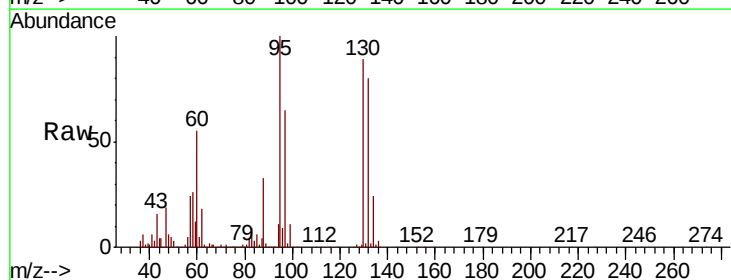
Ion Ratio Lower Upper

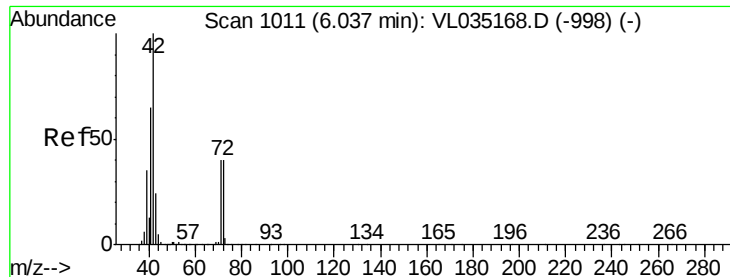
88 100

58 129.3 100.2 150.4

43 255.1 199.8 299.8

57 1122.0 869.5 1304.3





#41

Tetrahydrofuran

Concen: 11.245 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

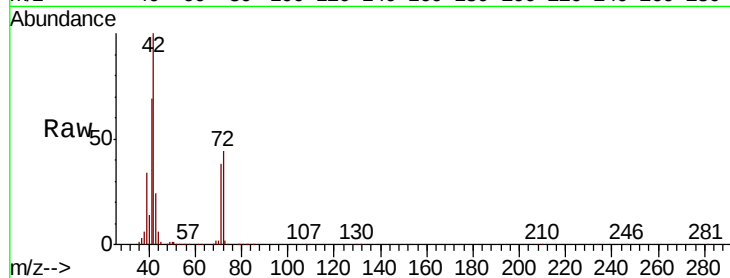
Tot Ion: 42 Resp: 858657

Ion Ratio Lower Upper

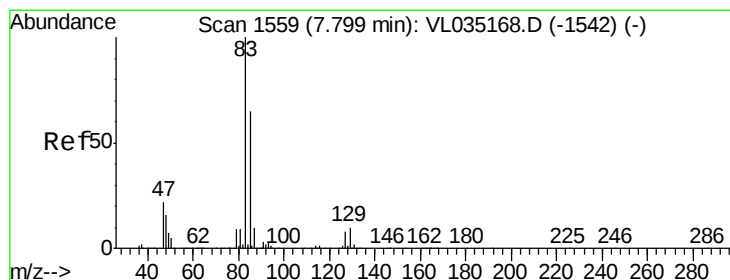
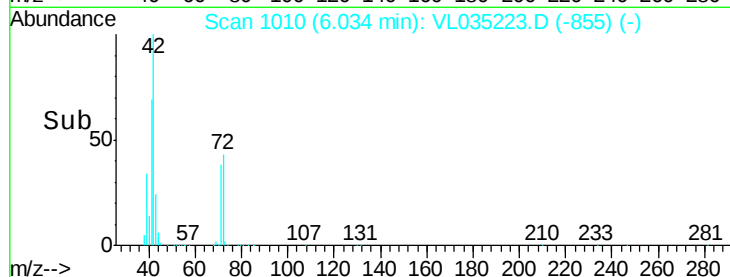
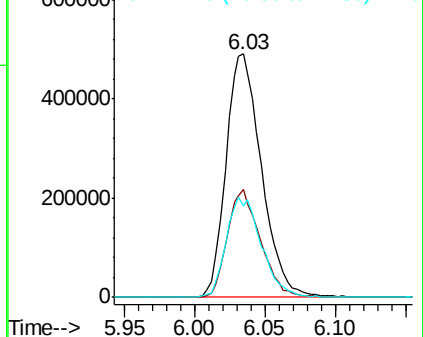
42 100

72 41.7 33.4 50.2

71 41.1 31.9 47.9



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: 10.588 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

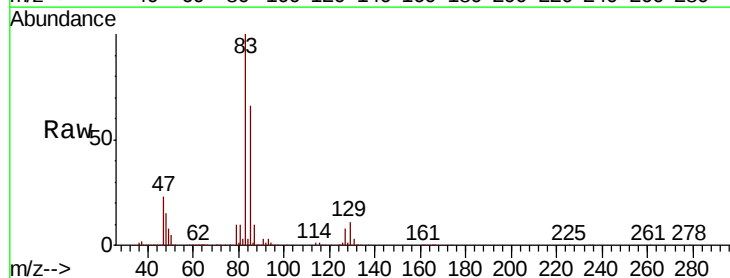
Tgt Ion: 83 Resp: 1963463

Ion Ratio Lower Upper

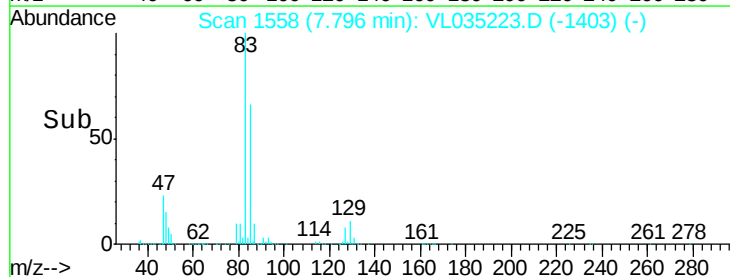
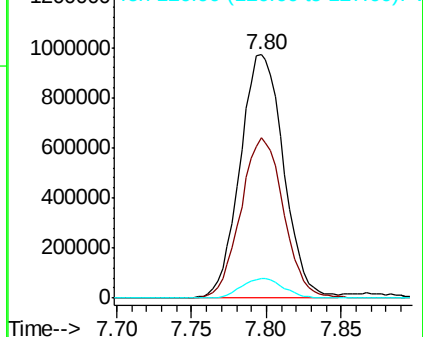
83 100

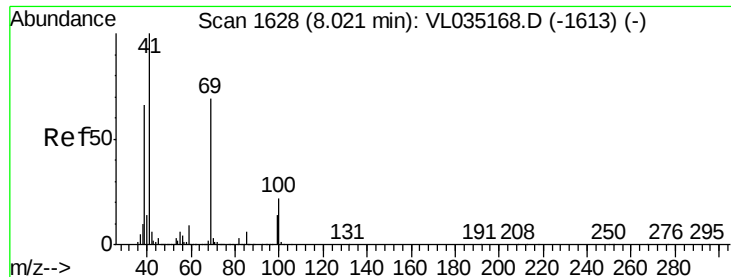
85 66.0 52.2 78.4

127 8.3 6.3 9.5



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

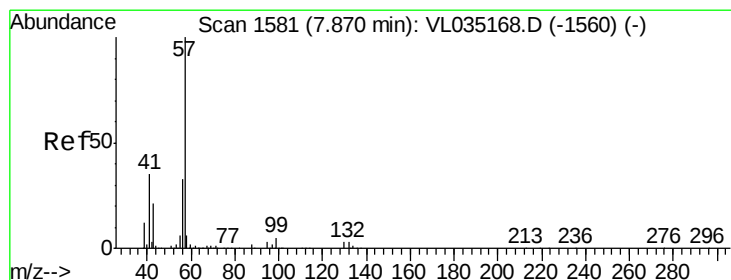
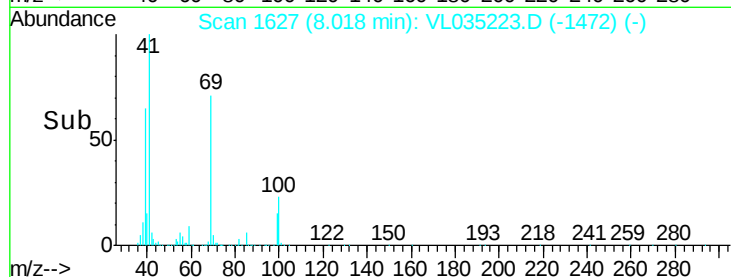
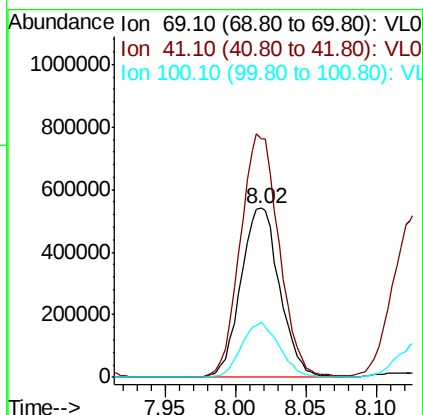
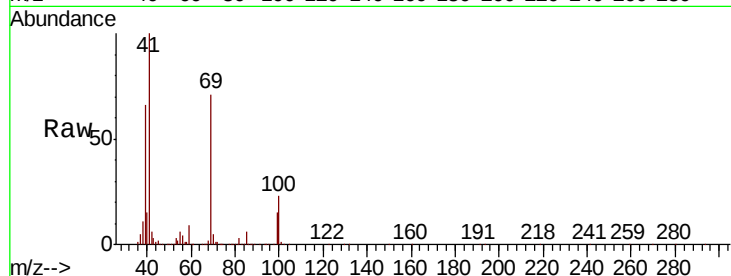




#43
Methvl Methacrilate
Concen: 11.942 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

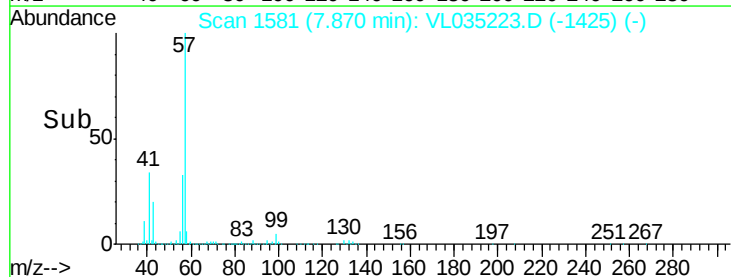
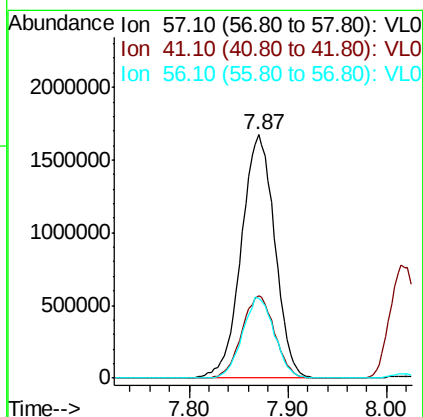
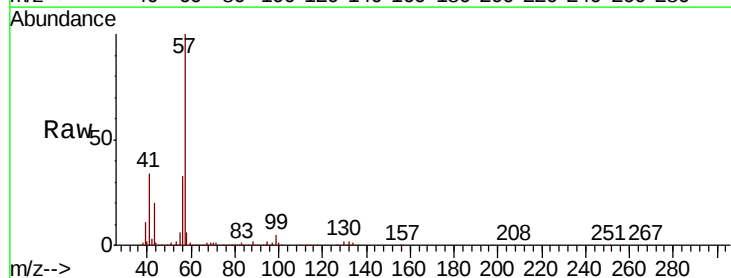
Instrument :
MSVOA_L
ClientSampled :

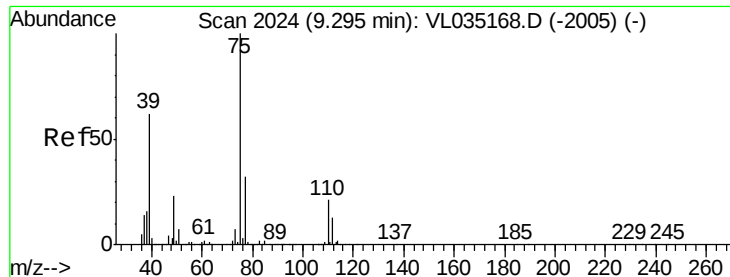
Tot Ion: 69 Resp: 1044571
Ion Ratio Lower Upper
69 100
41 143.0 116.3 174.5
100 31.7 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.975 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

Tgt Ion: 57 Resp: 3920215
Ion Ratio Lower Upper
57 100
41 33.3 27.0 40.6
56 31.7 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.583 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

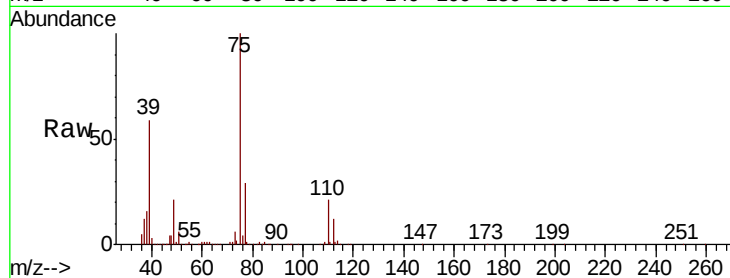
ClientSampleId :

Tot Ion: 75 Resp: 1156349

Ion Ratio Lower Upper

75 100

77 29.3 25.8 38.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

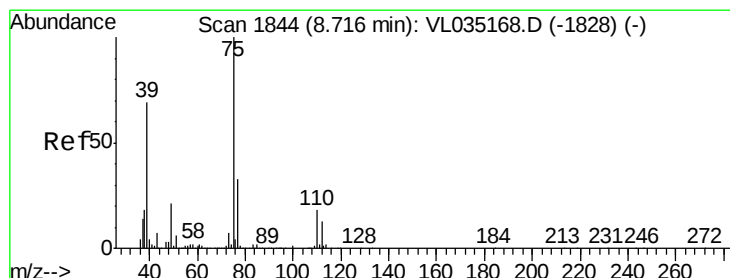
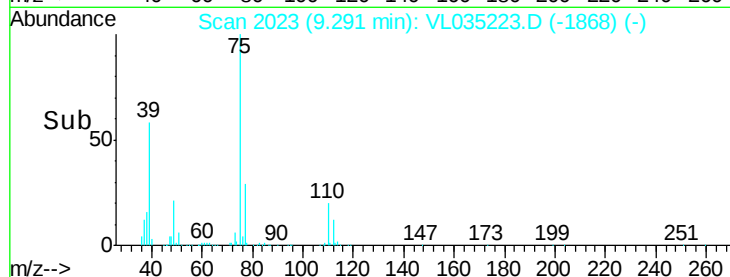
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 12.735 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

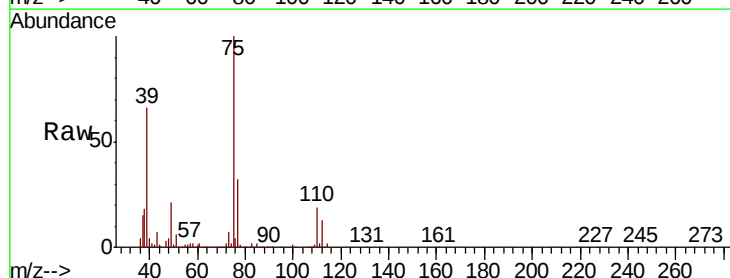
Tgt Ion: 75 Resp: 1387434

Ion Ratio Lower Upper

75 100

39 65.9 55.2 82.8

77 32.2 26.0 39.0



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

8.71

1000000

800000

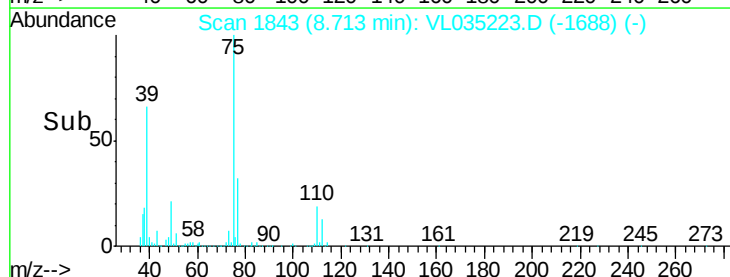
600000

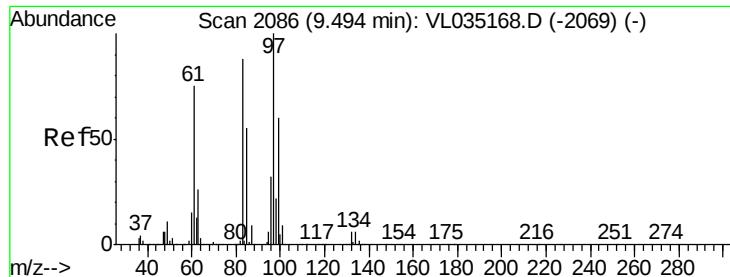
400000

200000

0

Time--> 8.60 8.65 8.70 8.75 8.80





#47

1,1,2-Trichloroethane

Concen: 10.783 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.01 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 971253

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.3	105.5
85	57.8	44.3	66.5
99	62.4	47.8	71.6

97 100

83 87.2 70.3 105.5

85 57.8 44.3 66.5

99 62.4 47.8 71.6

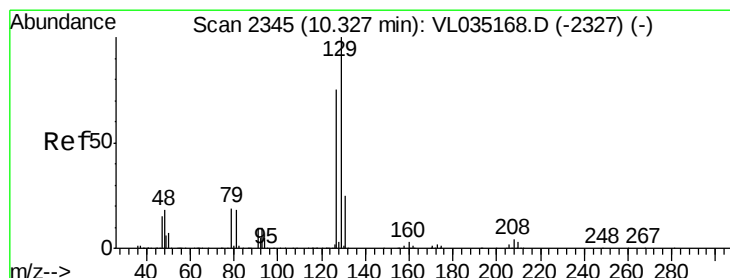
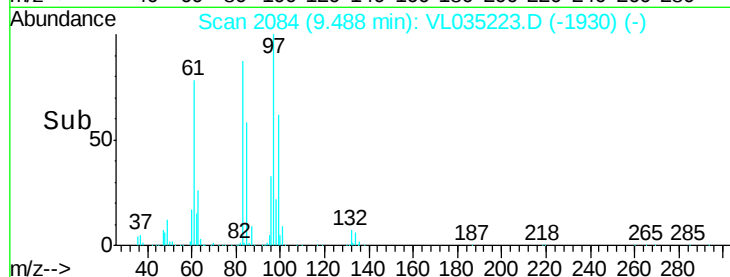
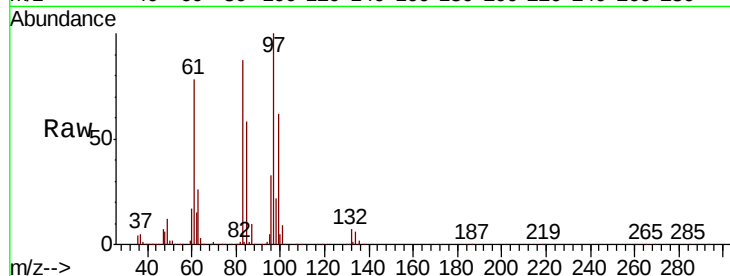
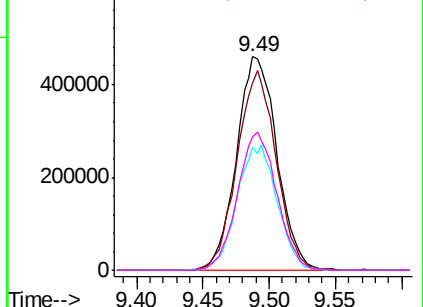
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.333 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion:129 Resp: 1660898

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.8	116.3

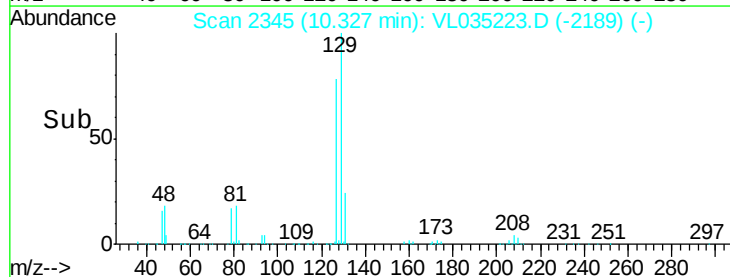
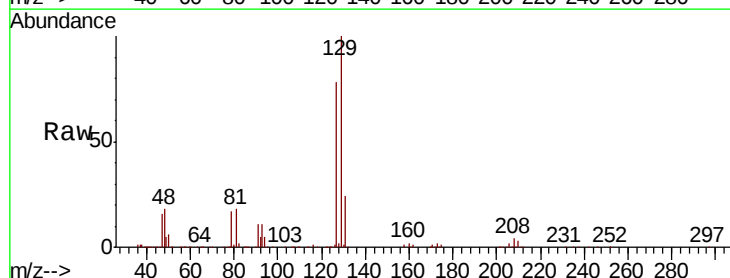
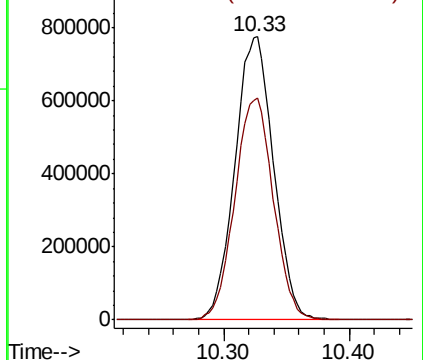
129 100

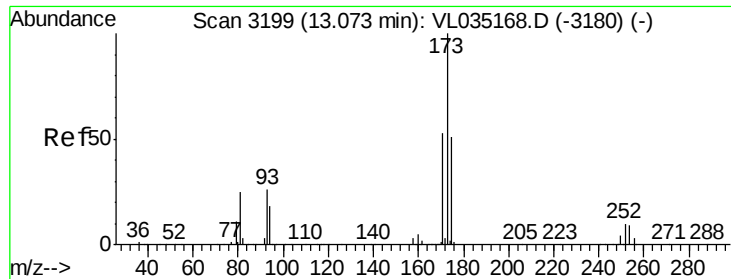
127 78.1 38.8 116.3

Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.483 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

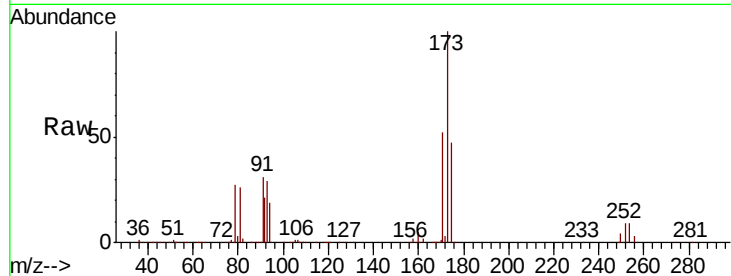
Tot Ion:173 Resp: 1472182

Ion Ratio Lower Upper

173 100

175 49.0 39.7 59.5

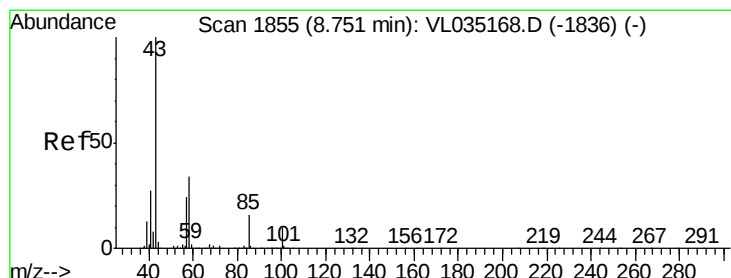
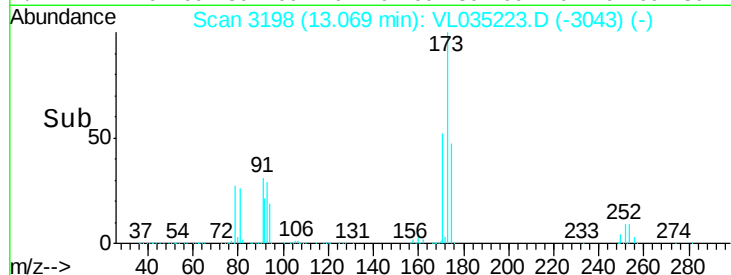
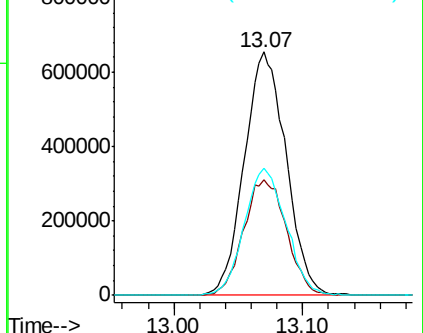
171 52.2 41.6 62.4



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: 11.267 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035223.D

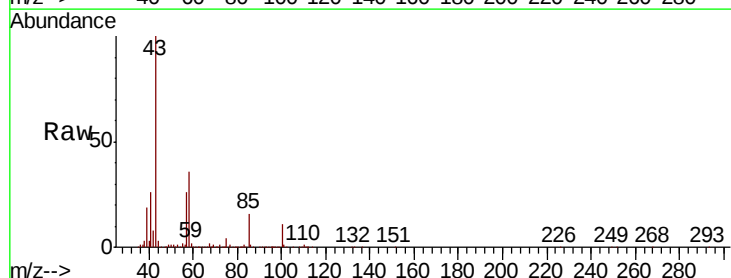
Acq: 23 Jul 2020 9:18

Tgt Ion: 43 Resp: 2467657

Ion Ratio Lower Upper

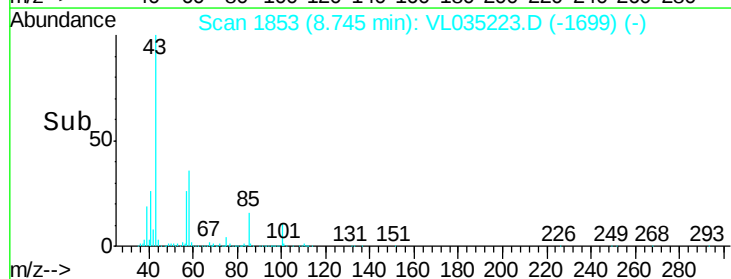
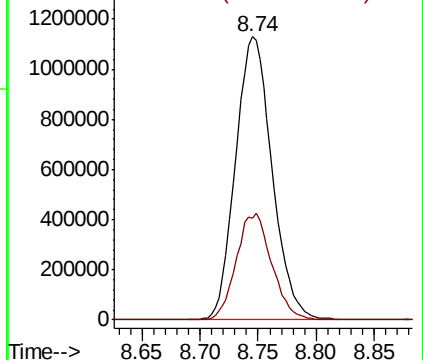
43 100

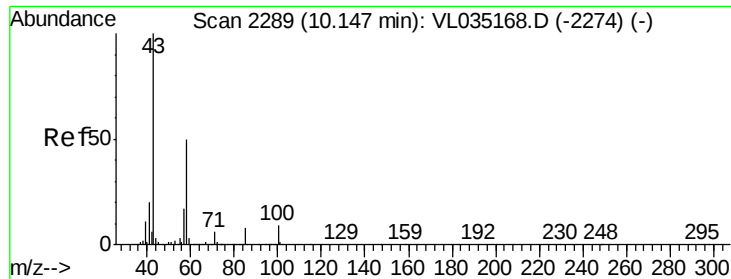
58 36.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

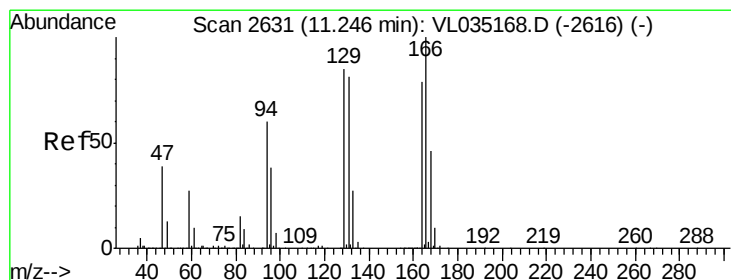
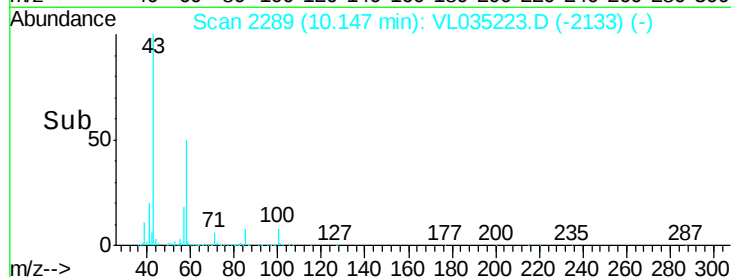
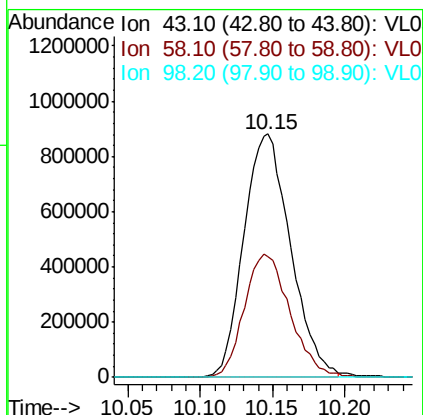
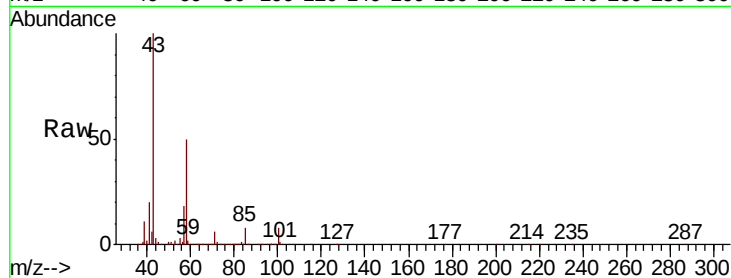




#51
2-Hexanone
Concen: 11.832 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

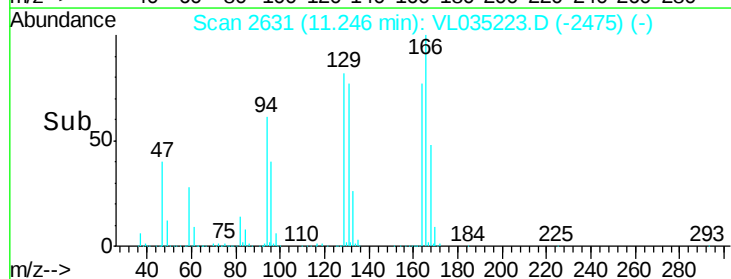
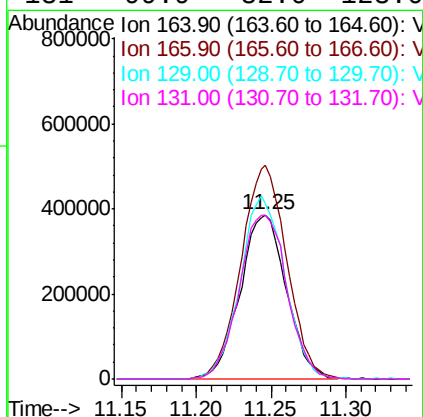
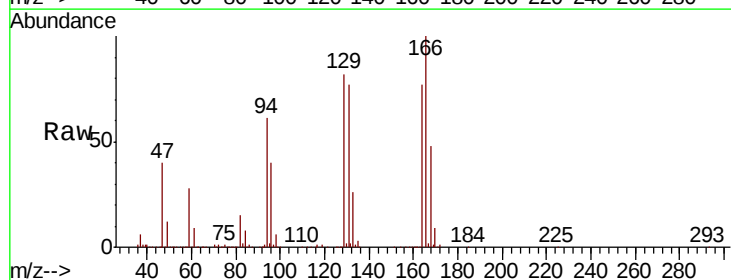
Instrument :
MSVOA_L
ClientSampleId :

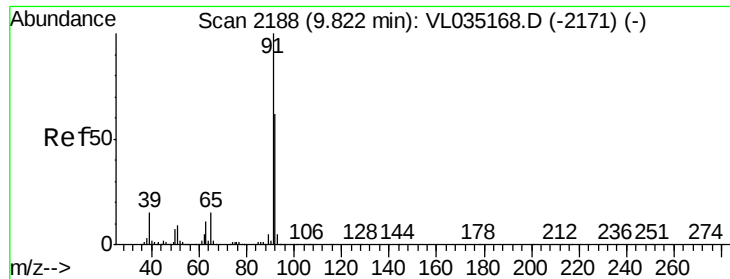
Tot Ion: 43 Resp: 1975934
Ion Ratio Lower Upper
43 100
58 49.7 39.4 59.0
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.718 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

Tgt Ion: 164 Resp: 828354
Ion Ratio Lower Upper
164 100
166 130.1 100.7 151.1
129 106.2 85.8 128.6
131 99.9 82.0 123.0





#53

Toluene

Concen: 12.173 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

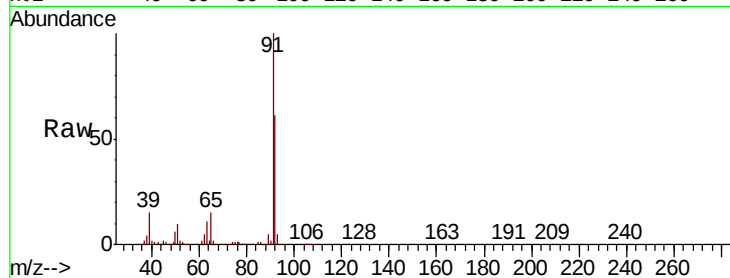
ClientSampled :

Tot Ion: 91 Resp: 2658433

Ion Ratio Lower Upper

91 100

92 59.9 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1500000

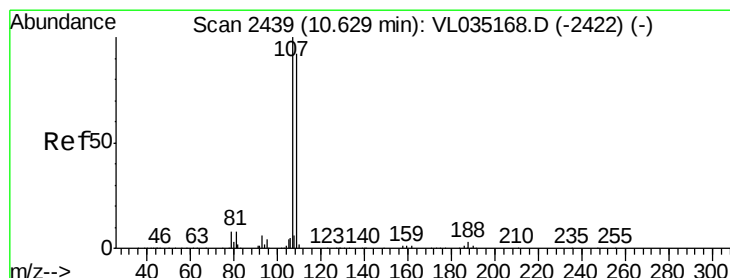
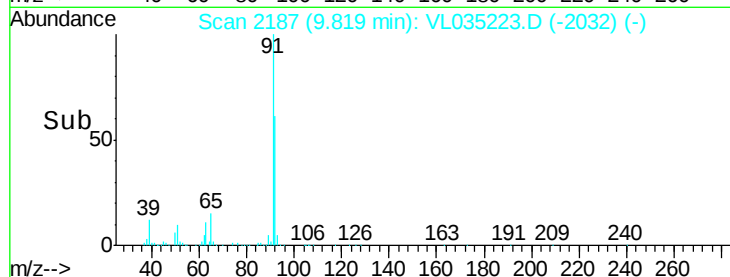
1000000

500000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 11.113 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035223.D

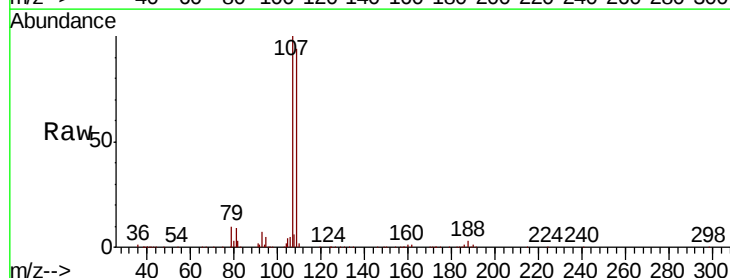
Acq: 23 Jul 2020 9:18

Tgt Ion: 107 Resp: 1485460

Ion Ratio Lower Upper

107 100

109 94.0 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

600000

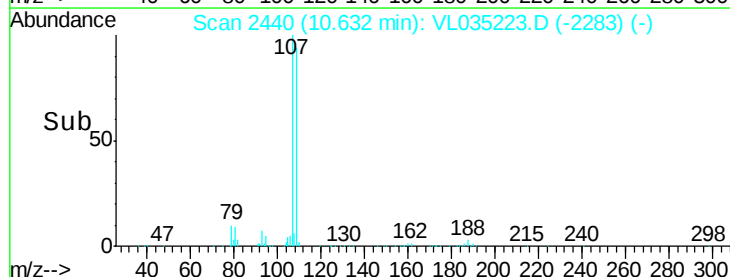
400000

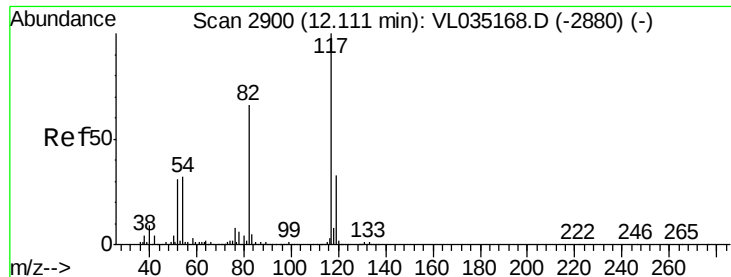
200000

0

10.60 10.63 10.70

Time-->

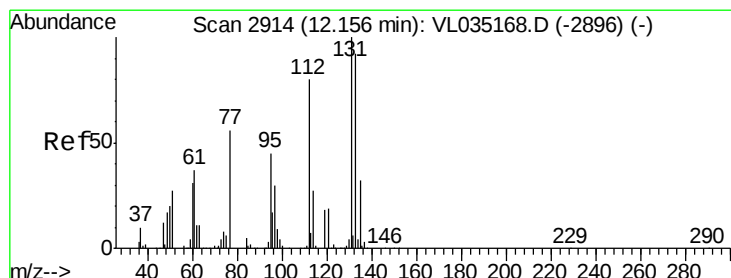
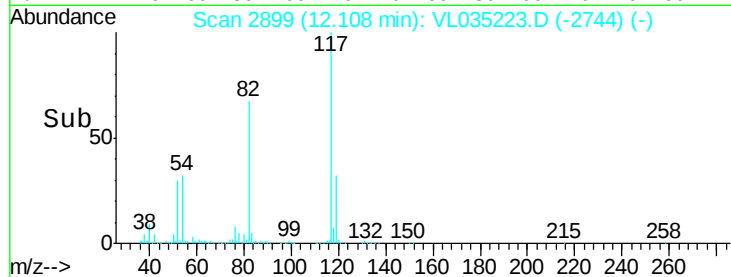
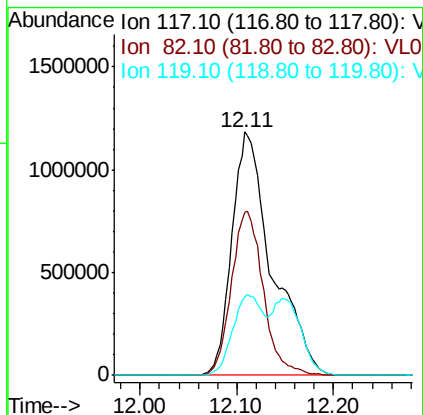
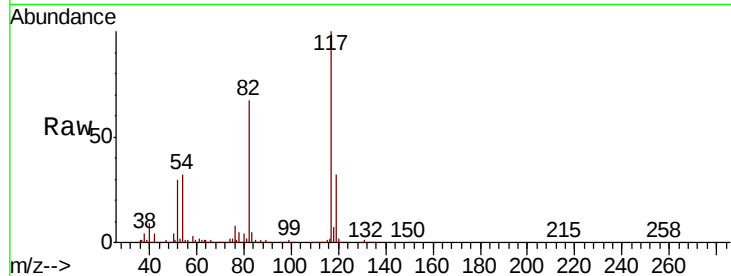




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

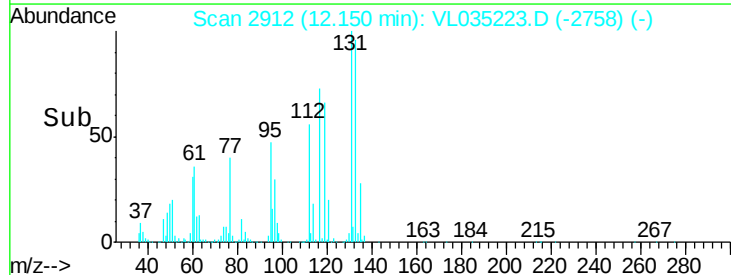
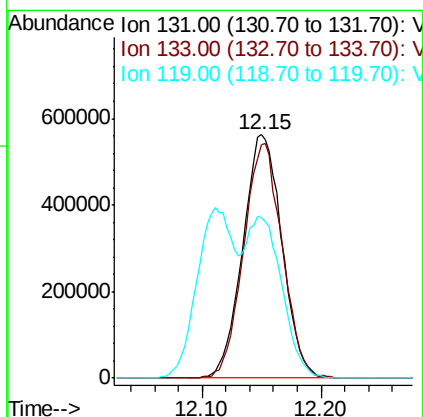
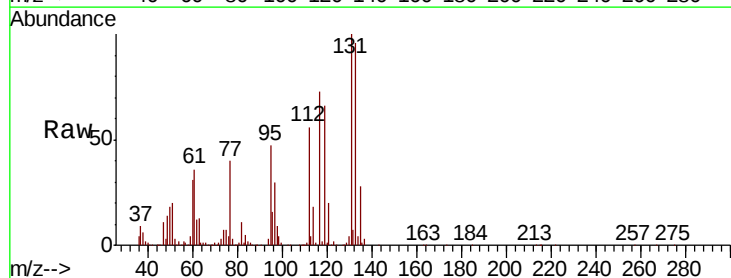
Instrument :
MSVOA_L
ClientSampleId :

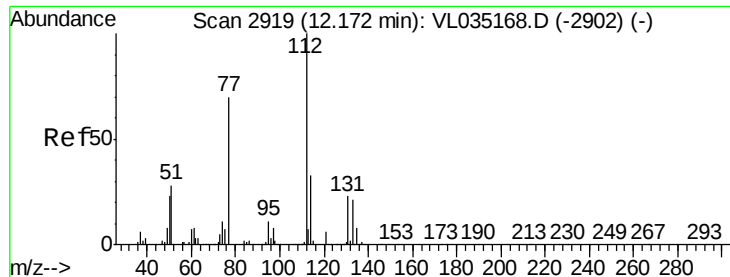
Tot Ion:117 Resp: 3414412
Ion Ratio Lower Upper
117 100
82 53.5 52.3 78.5
119 23.4 24.9 37.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.476 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035223.D
Acq: 23 Jul 2020 9:18

Tgt Ion:131 Resp: 1282140
Ion Ratio Lower Upper
131 100
133 94.9 75.4 113.2
119 67.5 42.4 63.6#





#57

Chlorobenzene

Concen: 8.350 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

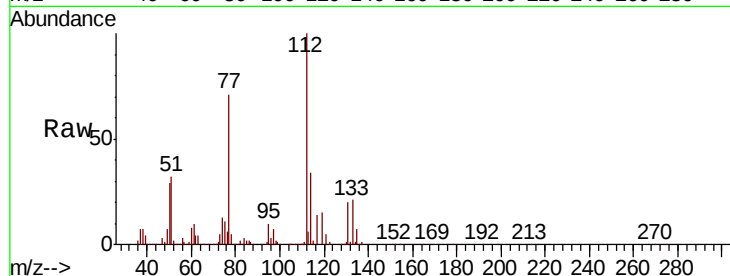
ClientSampleId :

Tot Ion:112 Resp: 2101176

Ion	Ratio	Lower	Upper
112	100		
77	70.6	57.0	85.4
114	33.7	30.2	37.0

77 70.6 57.0 85.4

114 33.7 30.2 37.0



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

12.17

1000000

800000

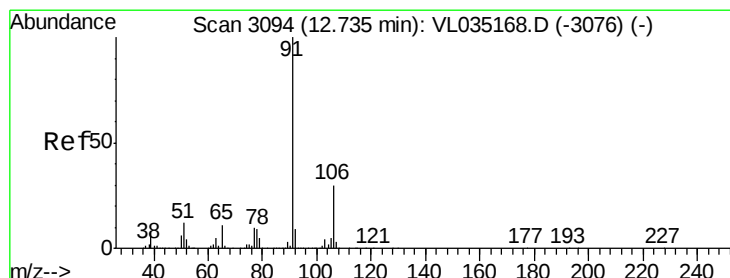
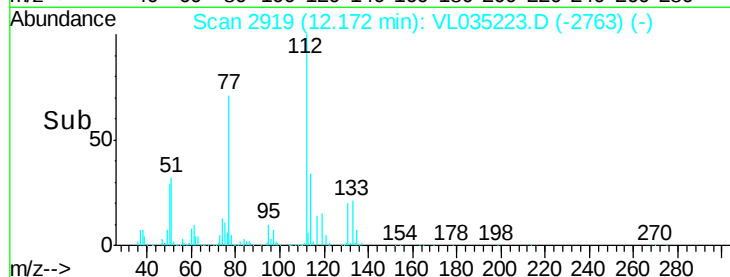
600000

400000

200000

0

Time-->



#58

Ethyl Benzene

Concen: 9.545 ppbv

RT: 12.74 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035223.D

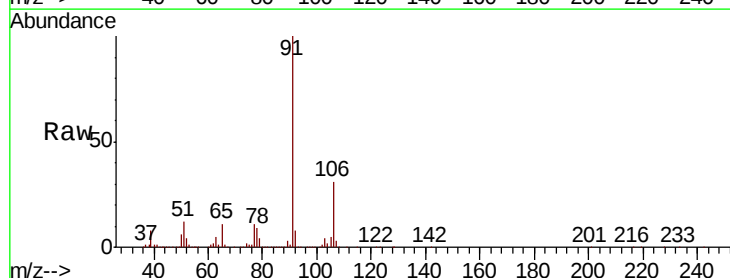
Acq: 23 Jul 2020 9:18

Tgt Ion: 91 Resp: 3602043

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.2

91 100

106 30.8 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.74

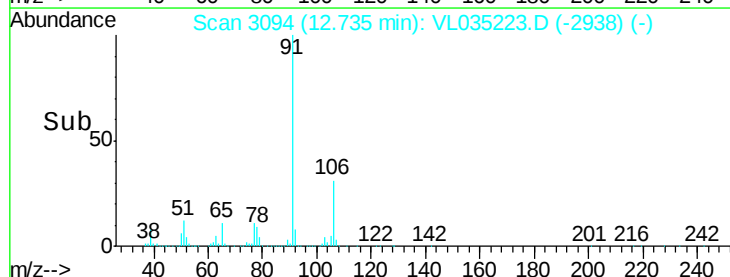
1500000

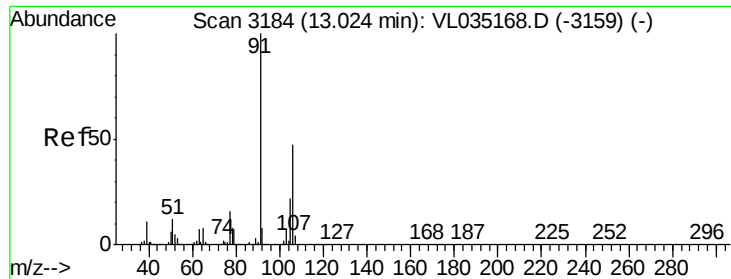
1000000

500000

0

Time-->





#59

m/p-Xylene

Concen: 9.735 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

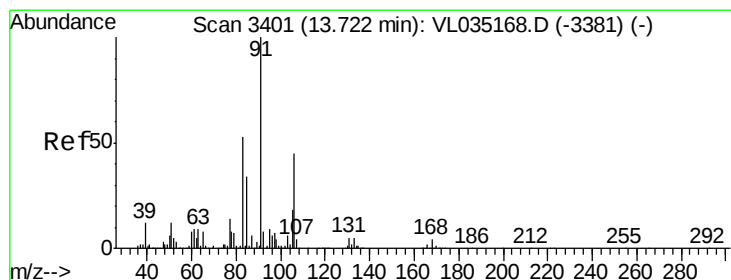
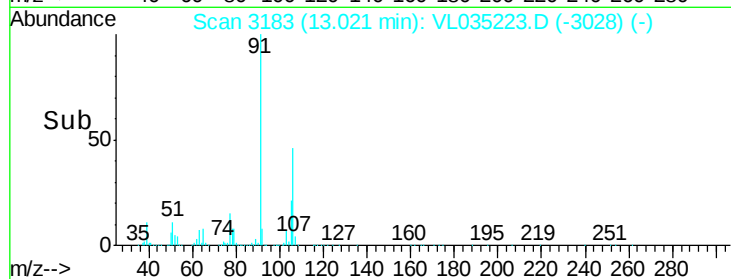
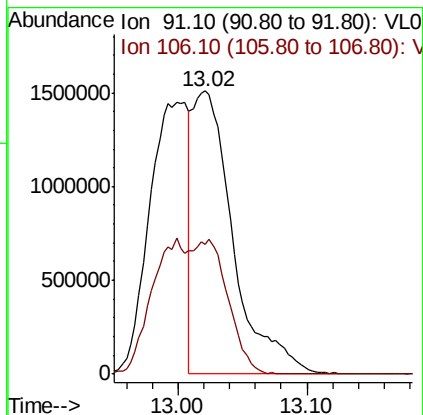
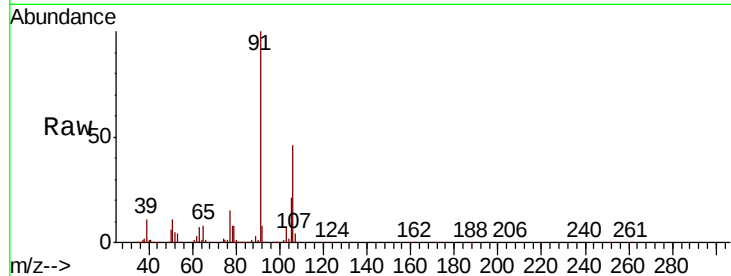
ClientSampleId :

Tot Ion: 91 Resp: 3274515

Ion Ratio Lower Upper

91 100

106 0.0 36.2 54.2#



#60

o-Xylene

Concen: 9.041 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL035223.D

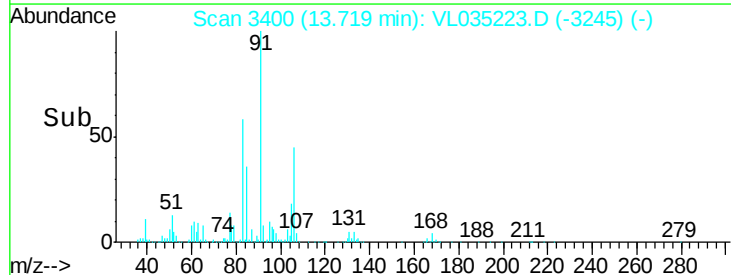
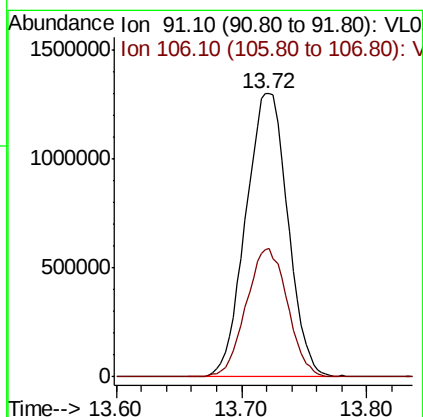
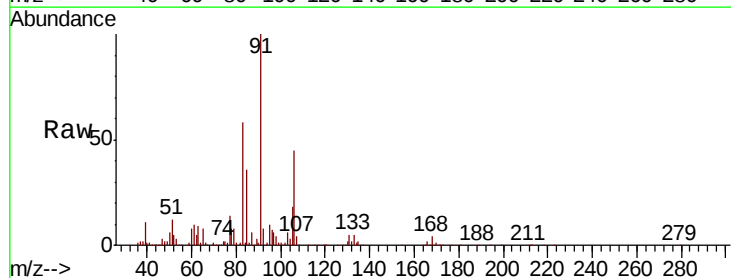
Acq: 23 Jul 2020 9:18

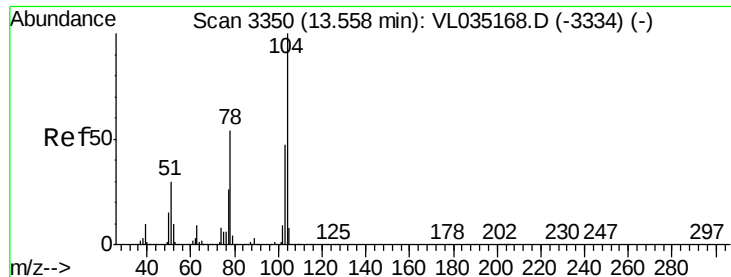
Tgt Ion: 91 Resp: 3034014

Ion Ratio Lower Upper

91 100

106 44.6 22.1 66.3





#61

Stvrene

Concen: 10.366 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

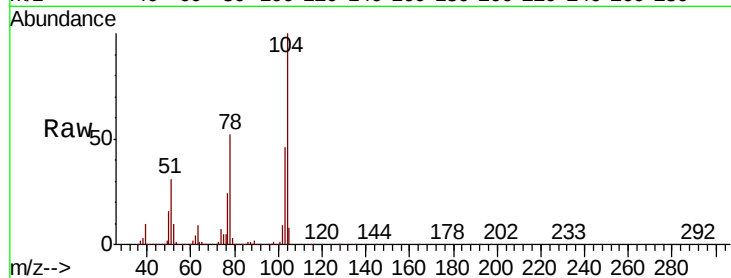
Tot Ion:104 Resp: 2149612

Ion Ratio Lower Upper

104 100

78 54.3 43.4 65.0

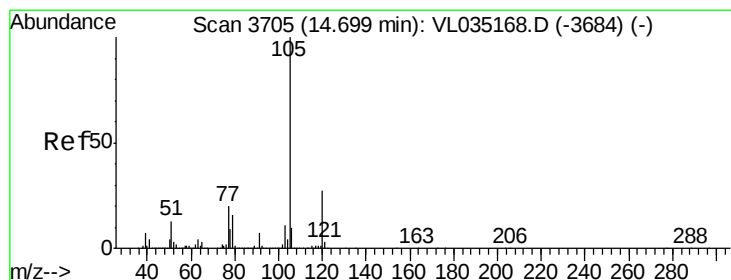
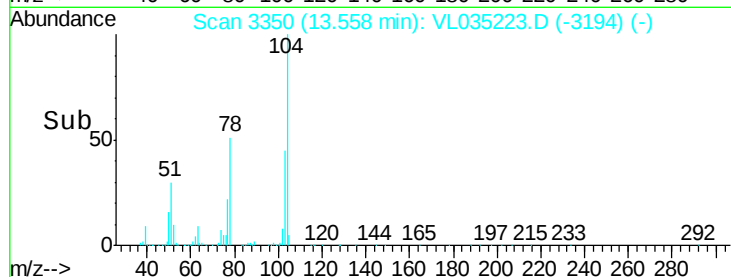
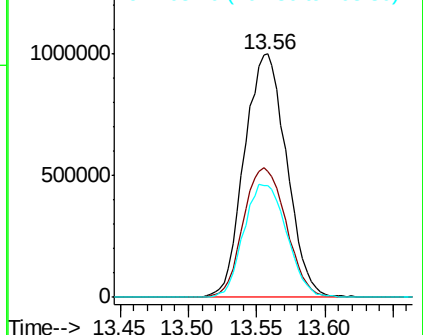
103 47.3 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.003 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035223.D

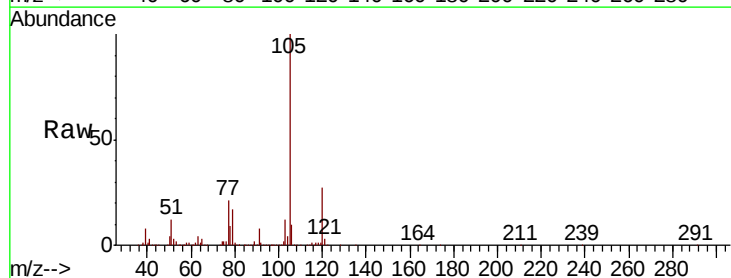
Acq: 23 Jul 2020 9:18

Tgt Ion:105 Resp: 4478142

Ion Ratio Lower Upper

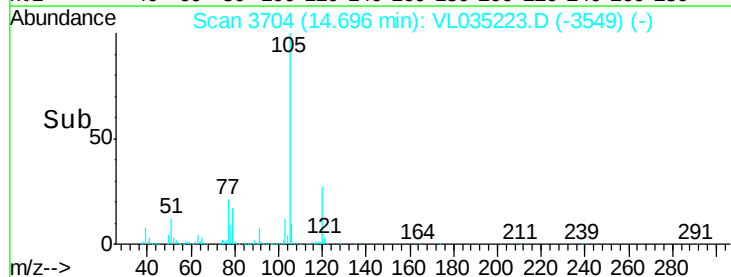
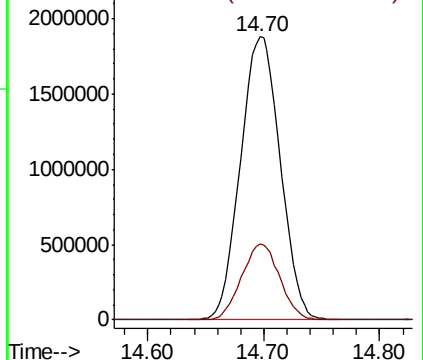
105 100

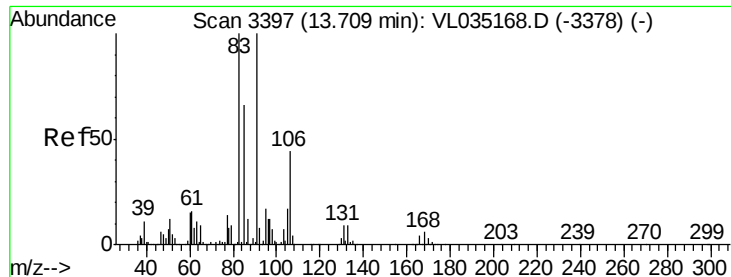
120 25.8 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

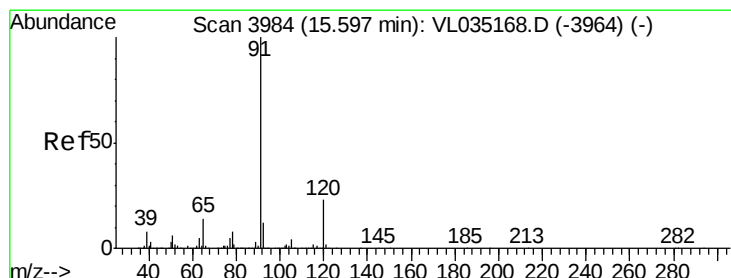
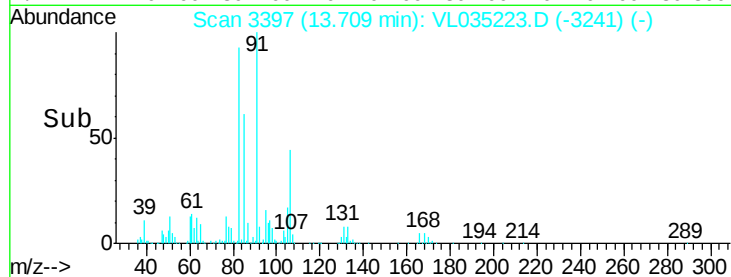
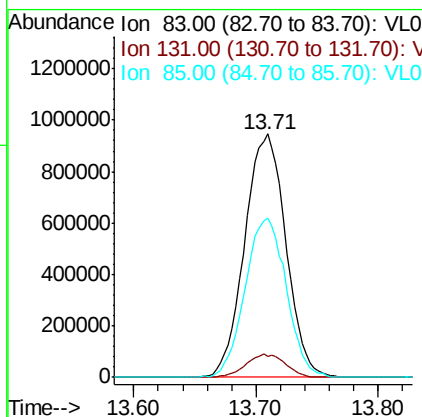
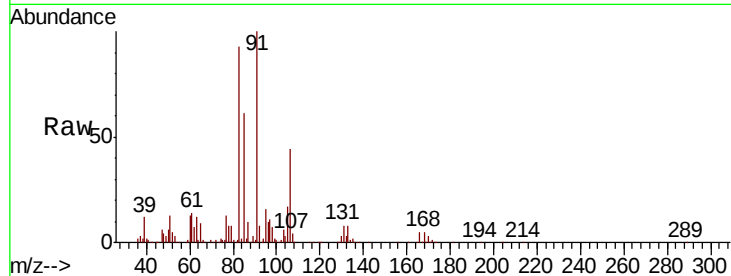




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.879 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

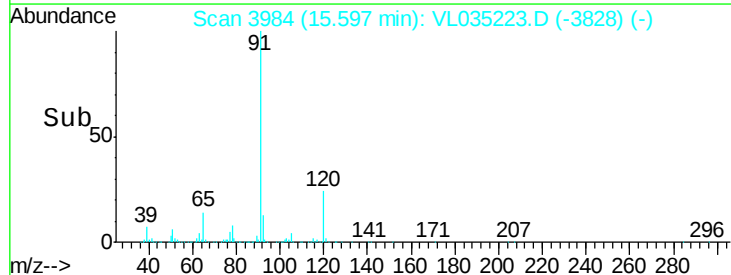
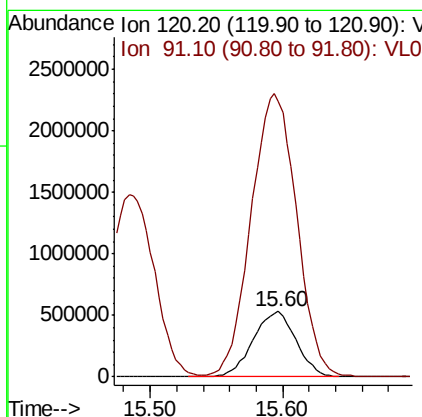
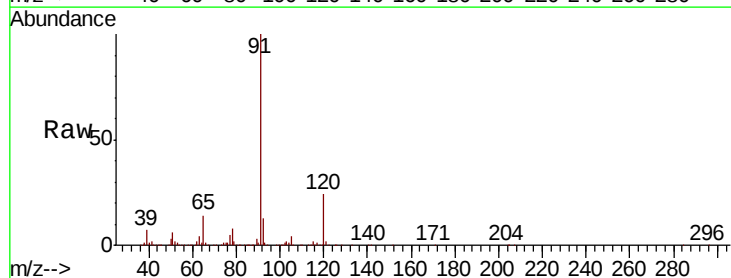
Instrument :
 MSVOA_L
 ClientSampled :

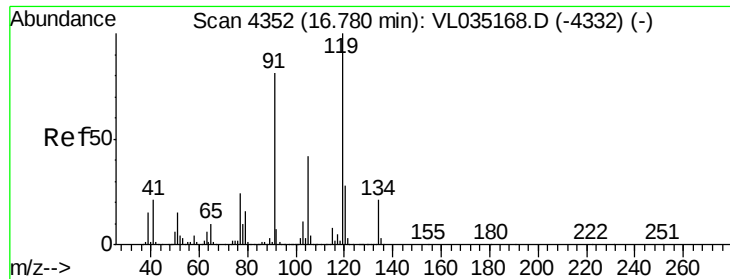
Tot Ion: 83 Resp: 2209462
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.0
 85 65.3 33.0 99.0



#64
 n-propylbenzene
 Concen: 9.321 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 120 Resp: 1197749
 Ion Ratio Lower Upper
 120 100
 91 460.8 372.4 558.6





#65

tert-Butylbenzene

Concen: 8.928 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

ClientSampleId :

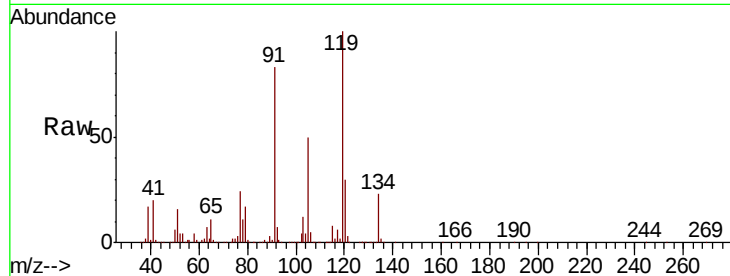
Tot Ion:119 Resp: 3988484

Ion Ratio Lower Upper

119 100

91 84.4 67.5 101.3

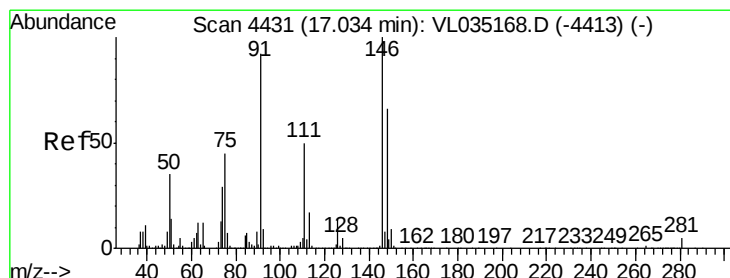
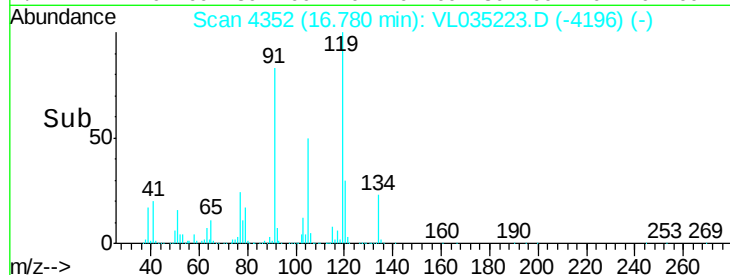
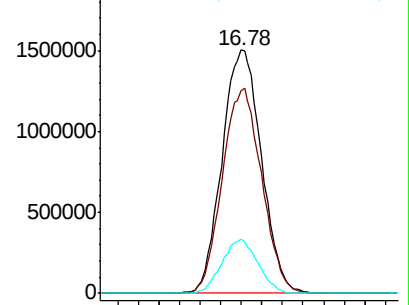
134 20.3 16.0 24.0



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: 10.390 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

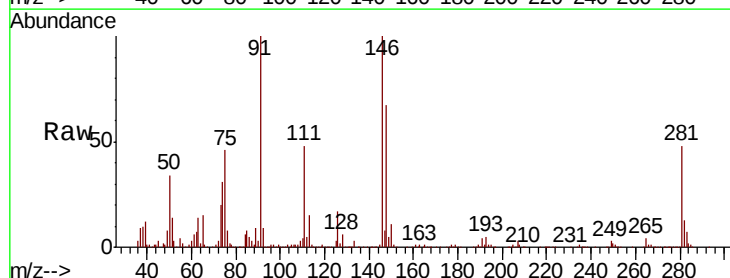
Tgt Ion: 91 Resp: 1653663

Ion Ratio Lower Upper

91 100

126 17.3 13.9 20.9

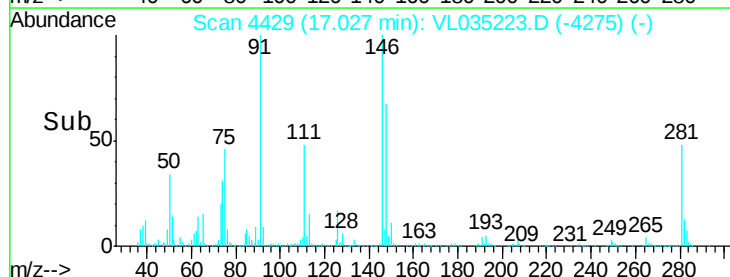
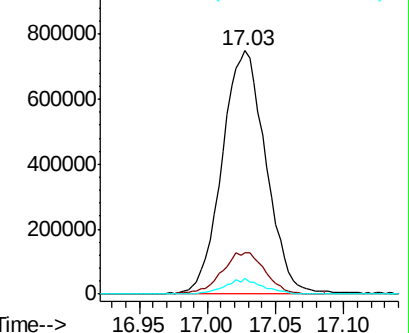
128 5.5 4.2 6.4

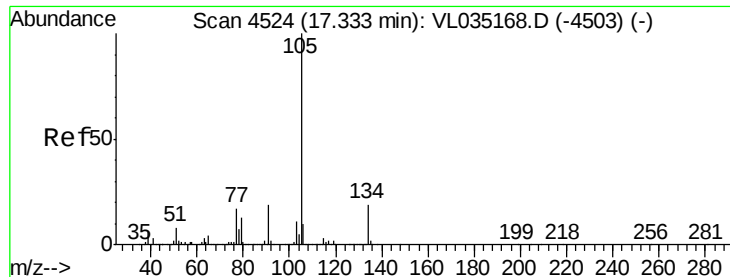


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

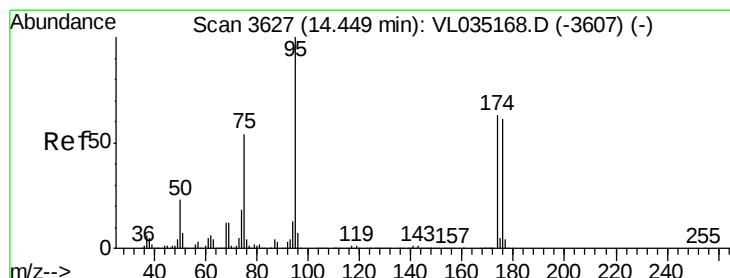
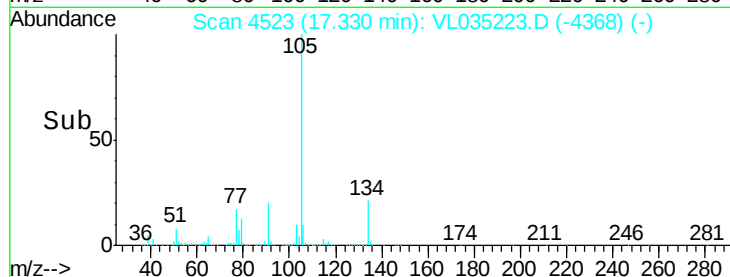
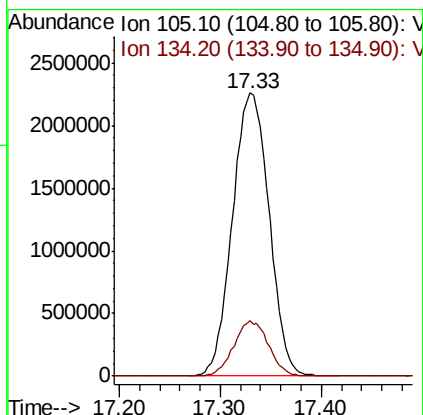
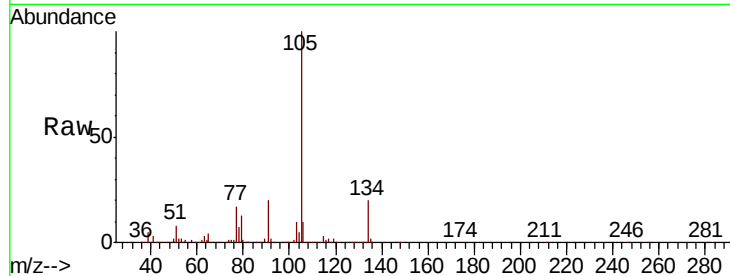




#67
 sec-Butylbenzene
 Concen: 8.729 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

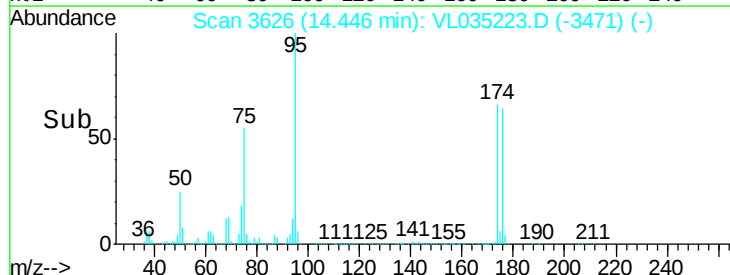
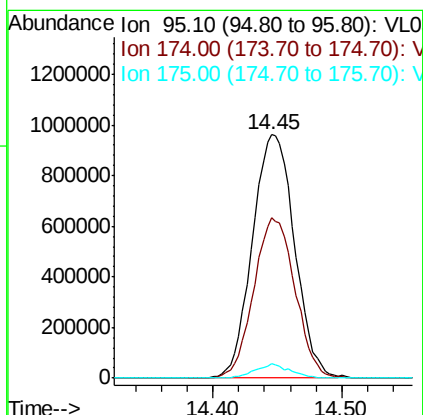
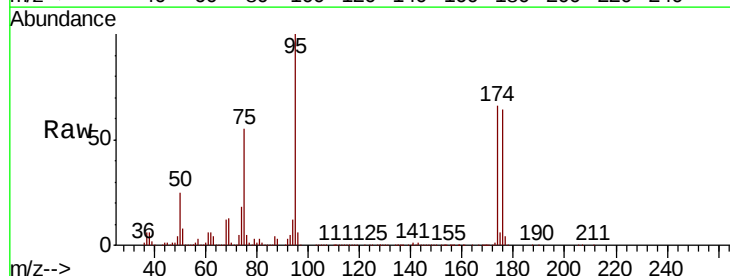
Instrument :
 MSVOA_L
 ClientSampled :

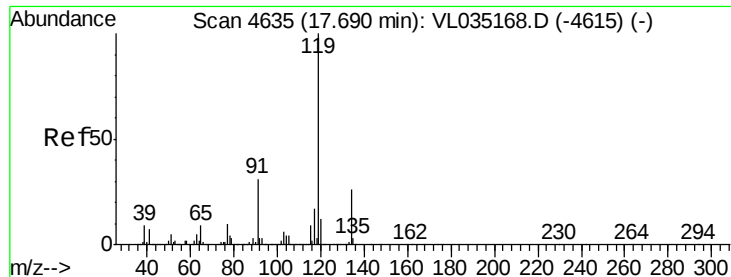
Tot Ion:105 Resp: 5685016
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.891 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 95 Resp: 2188653
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.2 78.2
 175 4.9 4.0 6.0

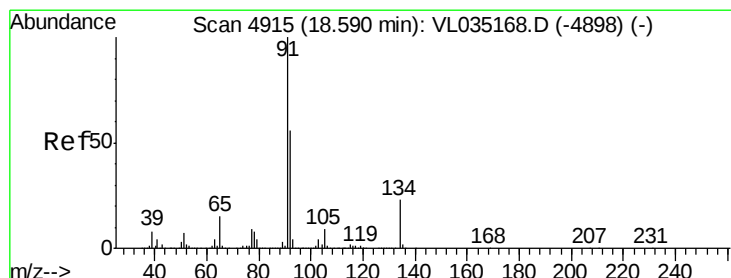
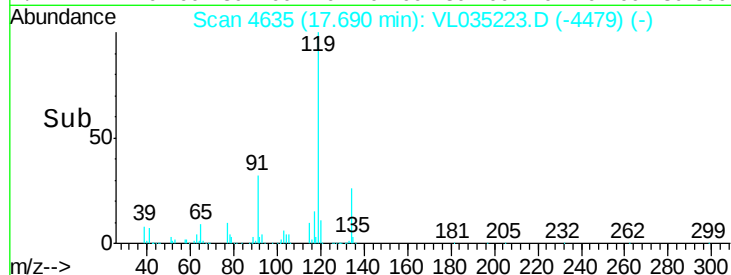
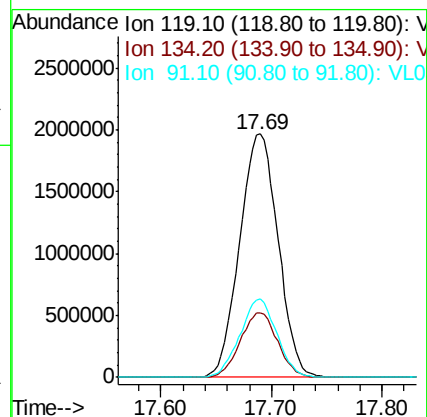
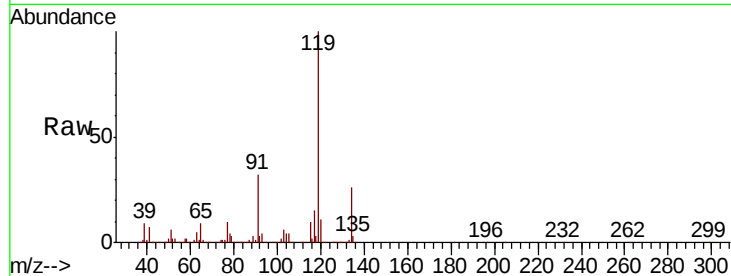




#69
 p-Isopropyltoluene
 Concen: 9.289 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

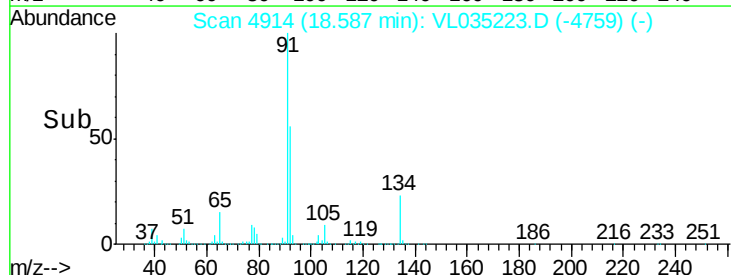
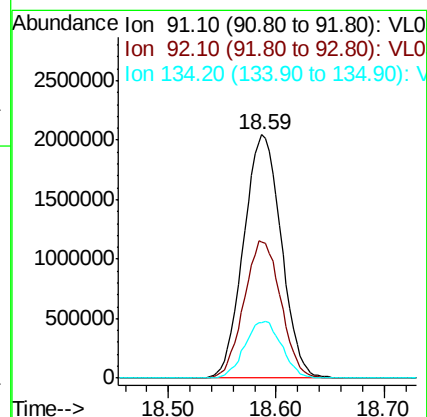
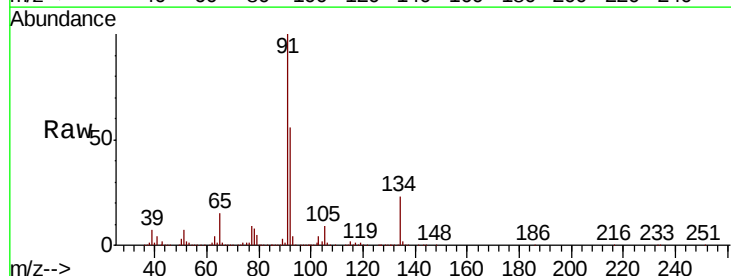
Instrument :
 MSVOA_L
 ClientSampleId :

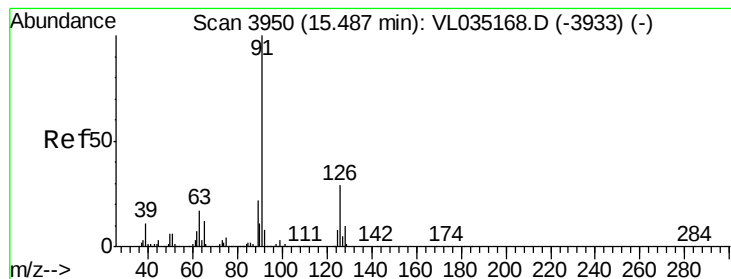
Tot Ion:119 Resp: 4741788
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.8 31.2
 91 30.8 24.9 37.3



#70
 n-Butylbenzene
 Concen: 9.168 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 91 Resp: 4962078
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.0 66.0
 134 23.0 18.0 27.0

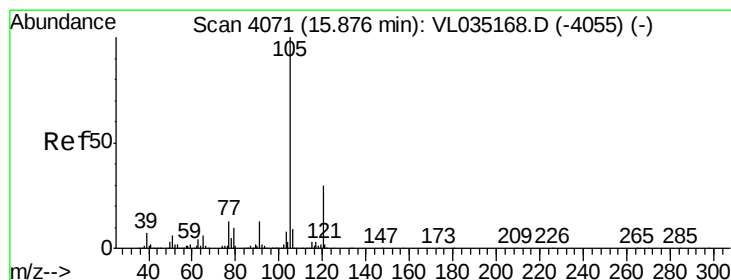
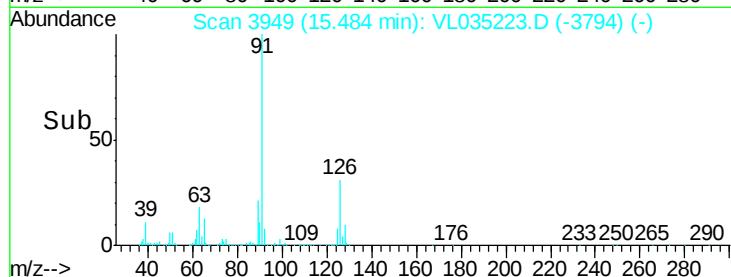
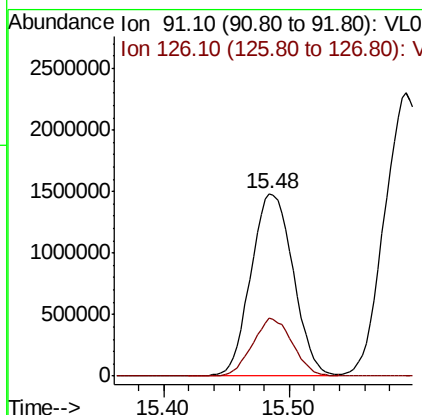
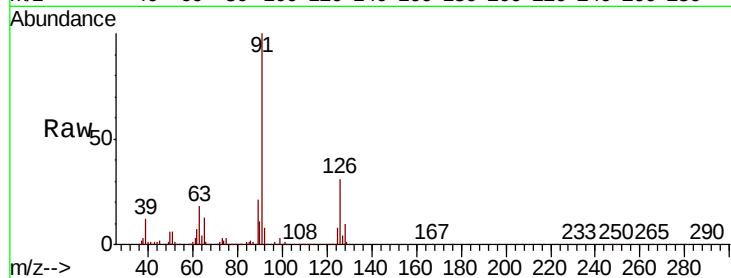




#71
 2-Chlorotoluene
 Concen: 9.265 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

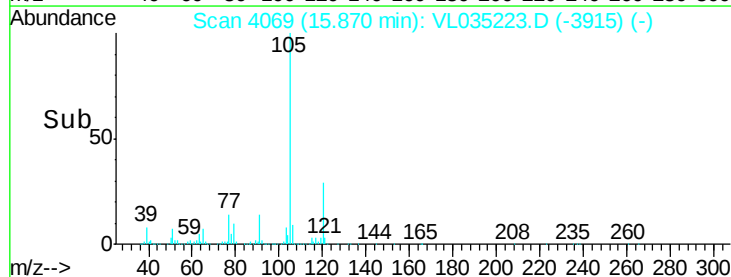
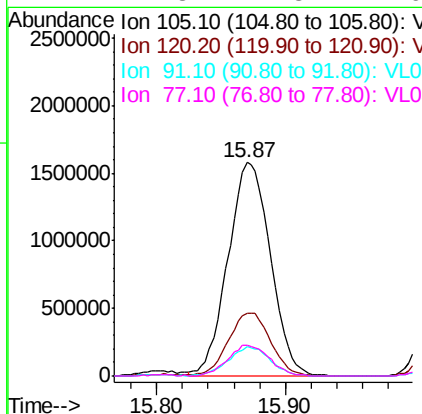
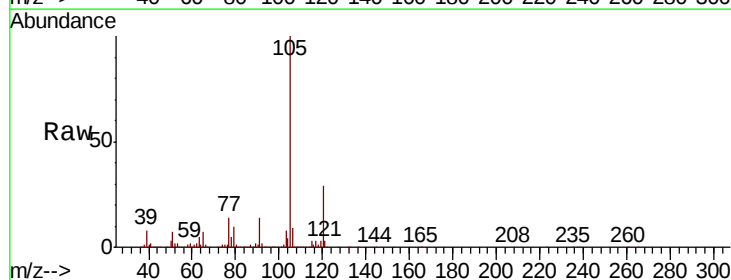
Instrument :
 MSVOA_L
 ClientSampled :

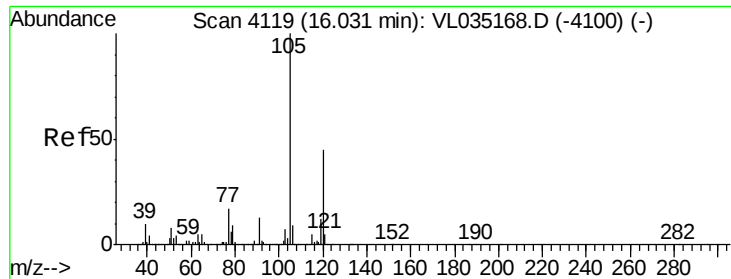
Tot Ion: 91 Resp: 3487267
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 9.515 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.01 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion: 105 Resp: 3597911
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.2 34.8
 91 13.4 10.9 16.3
 77 14.3 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 9.225 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Instrument :

MSVOA_L

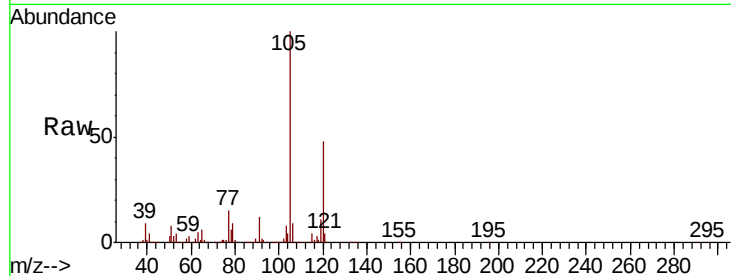
ClientSampleId :

Tot Ion:105 Resp: 3363725

Ion Ratio Lower Upper

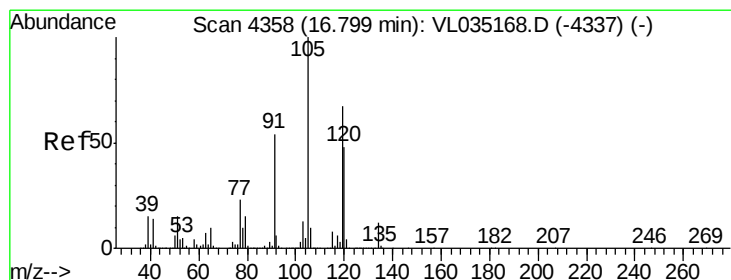
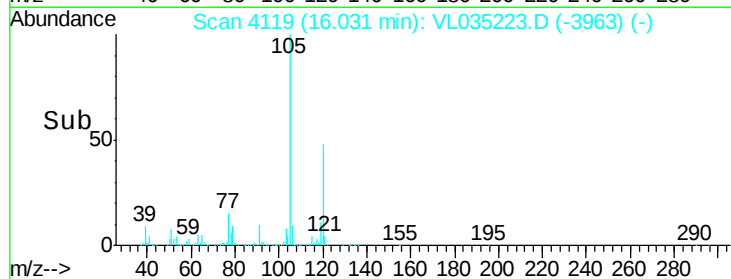
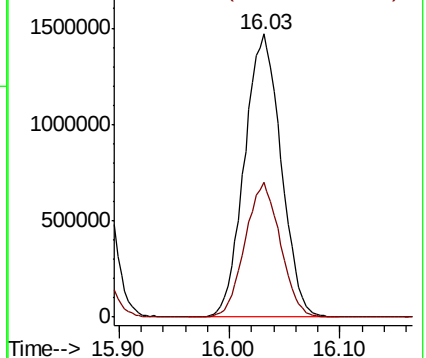
105 100

120 47.9 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.768 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion:105 Resp: 3532895

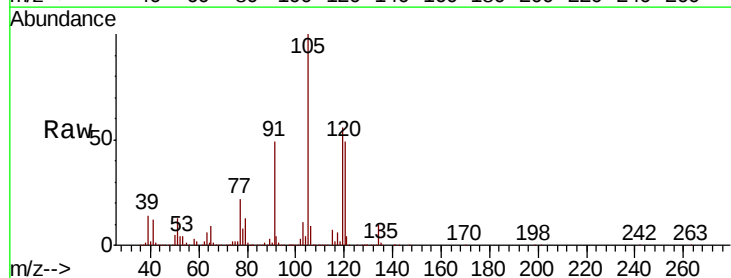
Ion Ratio Lower Upper

105 100

120 48.6 38.6 57.8

91 48.6 43.6 65.4

77 21.8 18.3 27.5

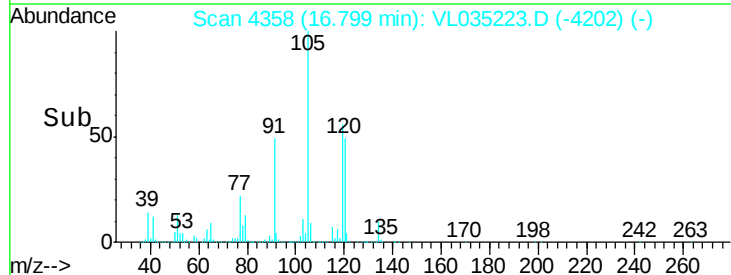
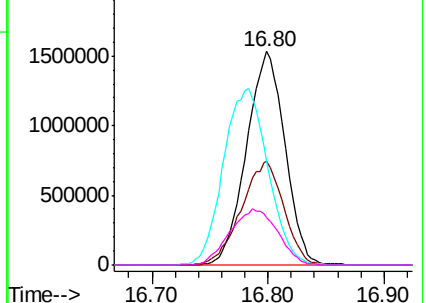


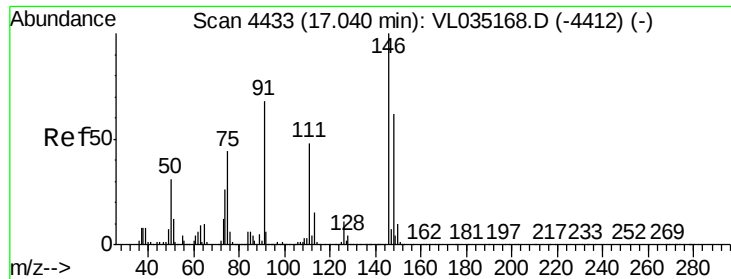
Abundance Ion 105.10 (104.80 to 105.80): V

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

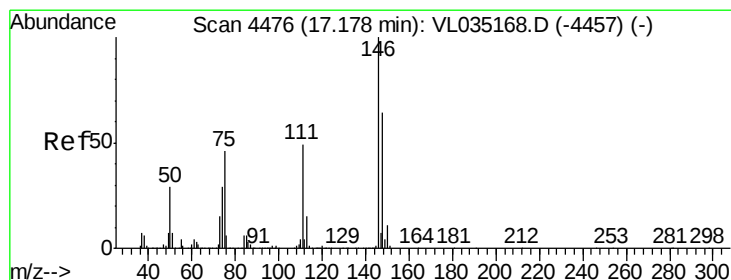
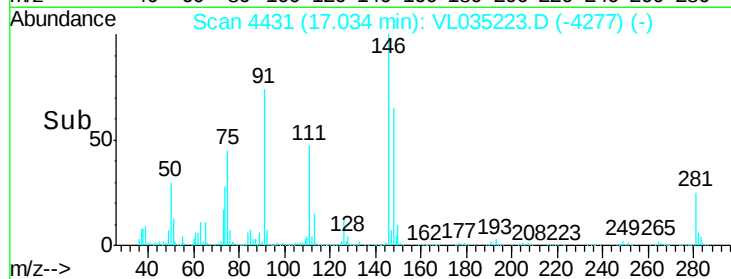
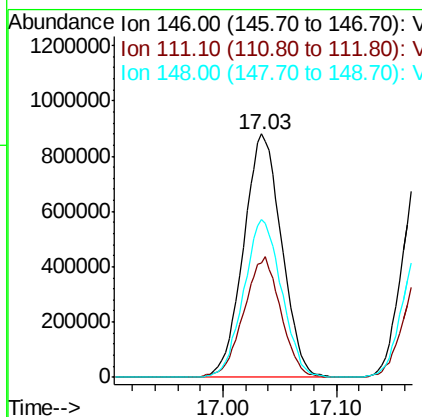
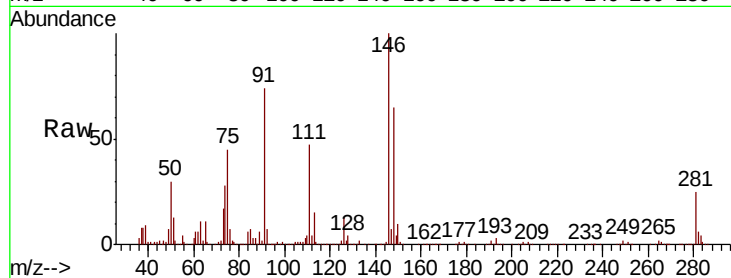




#75
 1,3-Dichlorobenzene
 Concen: 8.045 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

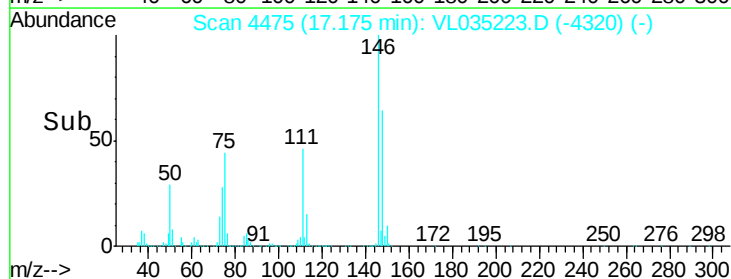
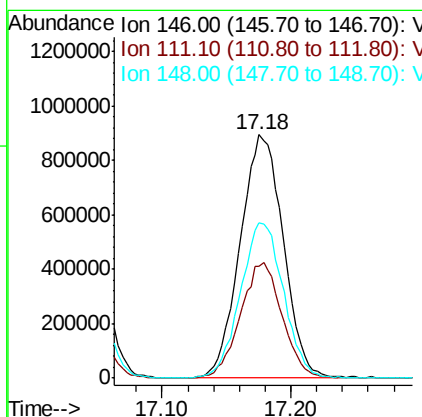
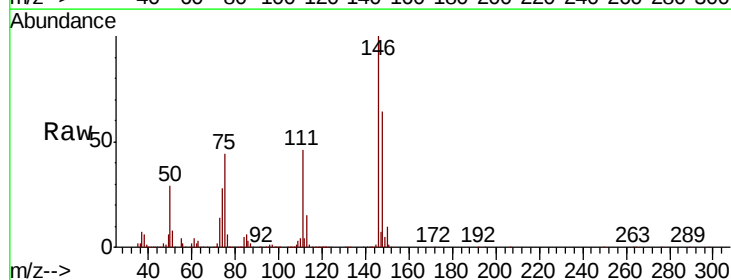
Instrument :
 MSVOA_L
 ClientSampled :

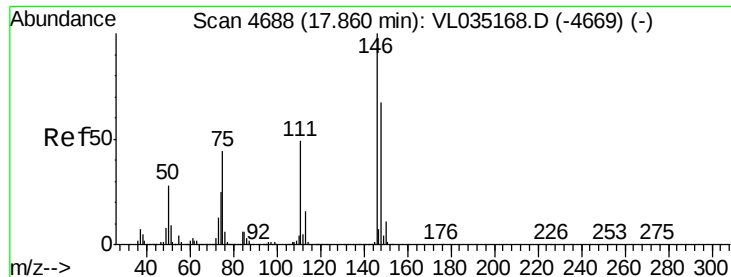
Tot Ion:146 Resp: 2052855
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.7 74.1
 148 64.9 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 8.707 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion:146 Resp: 2064816
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.8 71.2
 148 64.3 32.3 96.9

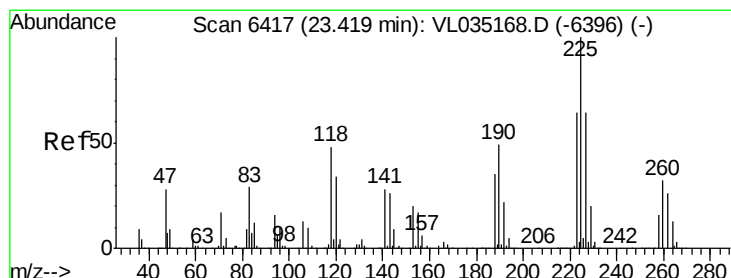
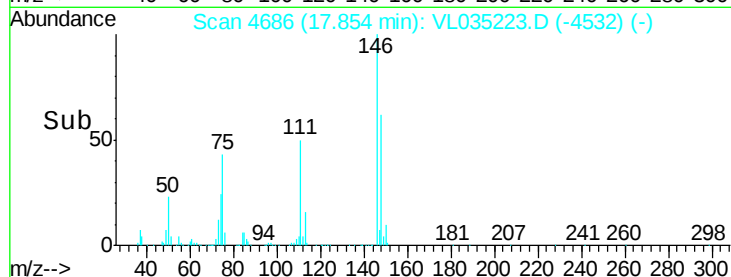
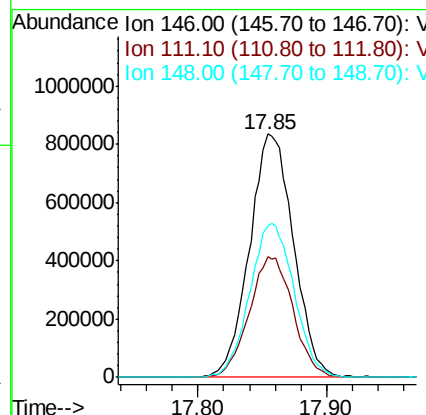
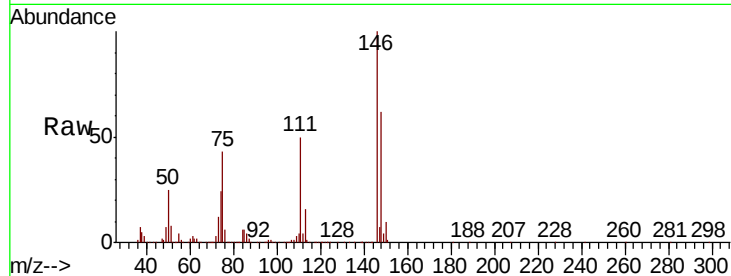




#77
 1,2-Dichlorobenzene
 Concen: 8.620 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

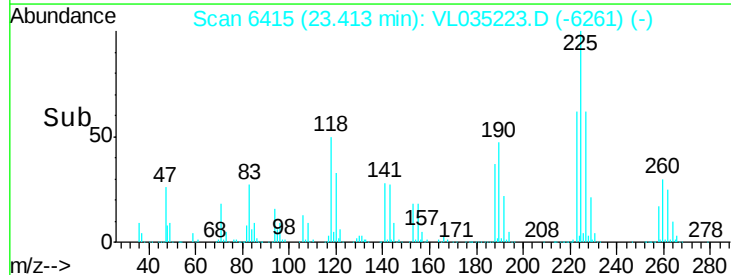
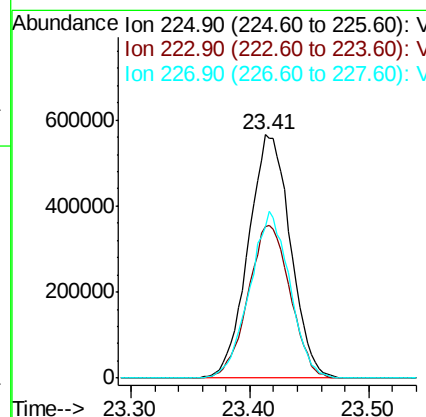
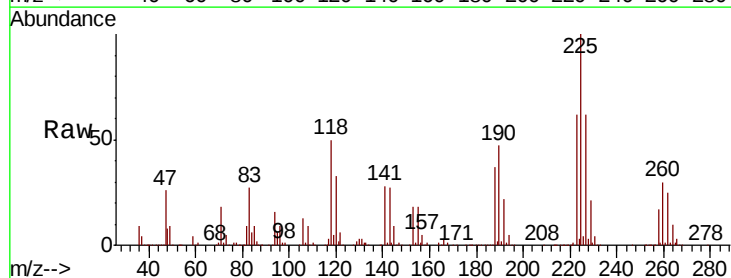
Instrument :
 MSVOA_L
 ClientSampleId :

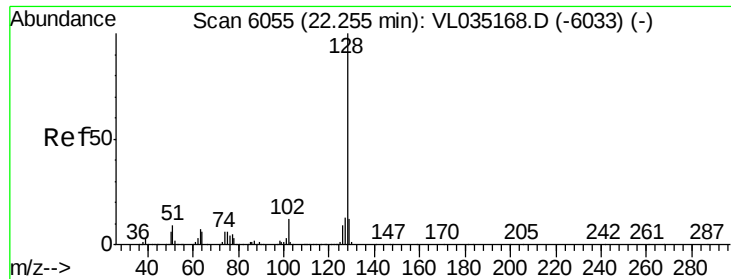
Tot Ion:146 Resp: 1980388
 Ion Ratio Lower Upper
 146 100
 111 49.5 25.1 75.2
 148 63.9 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.623 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.01 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Tgt Ion:225 Resp: 1383957
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.2 75.2
 227 65.3 51.2 76.8





#79

Naphthalene

Concen: 11.411 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

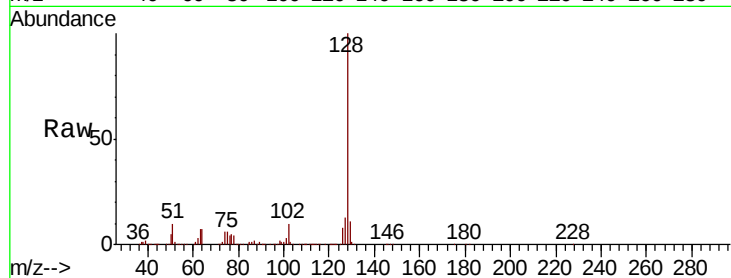
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 2975296

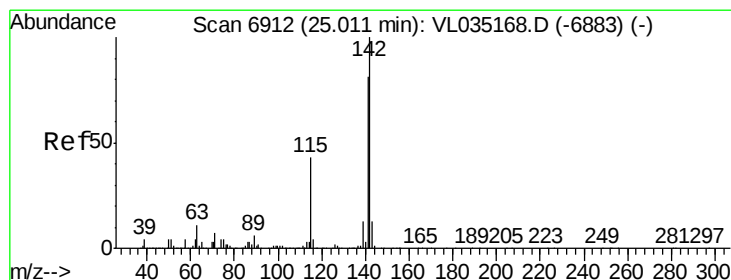
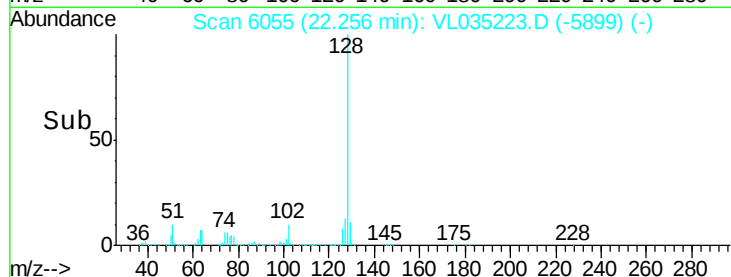
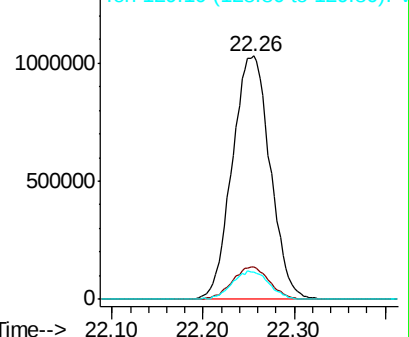
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.5	9.4	14.2



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: 17.552 ppbv

RT: 25.01 min Scan# 6911

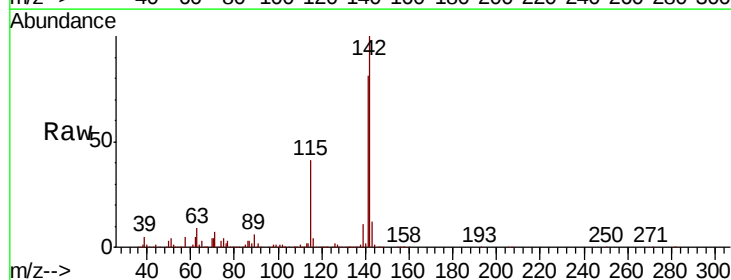
Delta R.T. -0.00 min

Lab File: VL035223.D

Acq: 23 Jul 2020 9:18

Tgt Ion:142 Resp: 1081076

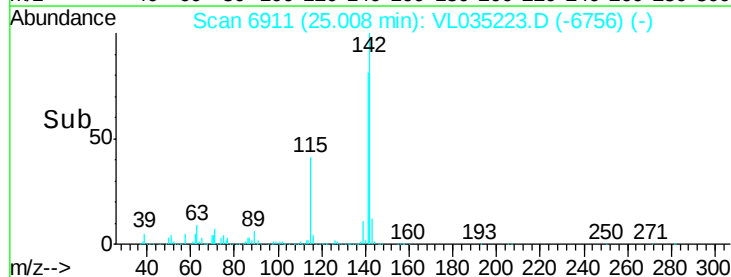
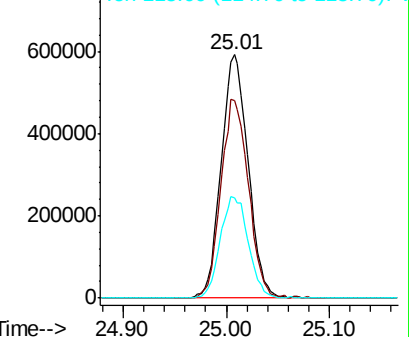
Ion	Ratio	Lower	Upper
142	100		
141	83.5	68.2	102.4
115	43.4	34.4	51.6

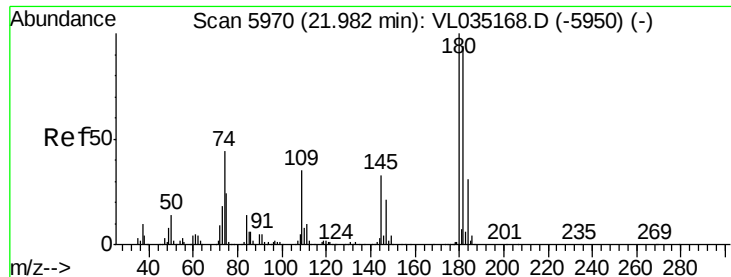


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

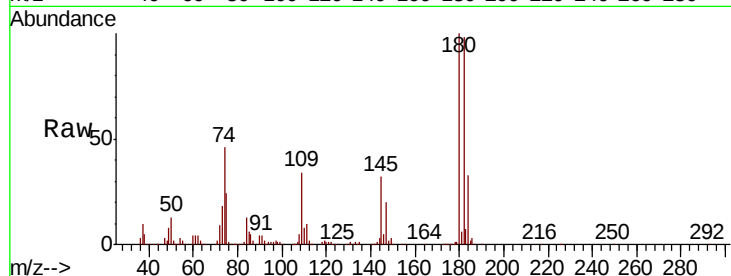




#81
 1,2,4-Trichlorobenzene
 Concen: 10.058 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035223.D
 Acq: 23 Jul 2020 9:18

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1661420
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 184 31.2 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

