

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035711.D
 Acq On : 23 Sep 2020 7:49
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Quant Time: Sep 23 08:17:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1256106	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4857231	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	6054712	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3668254	8.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1953756	9.479	ppbv 99
3) Chlorodifluoromethane	2.98	51	1298928	9.612	ppbv 99
4) Chloromethane	3.14	50	702835	9.682	ppbv 98
5) Vinyl Chloride	3.25	62	841938	9.805	ppbv 100
6) Bromomethane	3.47	94	696469	9.595	ppbv 99
7) Chloroethane	3.56	64	315462	10.017	ppbv 96
8) Dichlorotetrafluoroethane	3.19	85	2313806	9.256	ppbv 98
9) Propene	3.01	41	511241	10.420	ppbv 99
10) Heptane	8.14	43	1436937	10.505	ppbv 99
11) Trichlorofluoromethane	3.95	101	2680321	9.114	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2012254	9.179	ppbv 99
13) Ethanol	3.61	45	105403	8.711	ppbv 97
14) Bromoethene	3.74	108	933247	10.107	ppbv 100
15) Acetone	3.85	43	1113602	8.239	ppbv 98
16) 1,3-Butadiene	3.32	39	520635	10.529	ppbv 99
17) tert-Butyl alcohol	4.30	59	1621635	11.015	ppbv 99
18) 1,1-Dichloroethene	4.29	96	959117	9.993	ppbv 97
19) Isopropyl Alcohol	3.98	45	771492	10.493	ppbv # 96
20) Methylene Chloride	4.35	84	799710	8.055	ppbv 98
21) Allyl Chloride	4.41	41	697611	10.648	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	995689	9.819	ppbv 97
23) Vinyl Acetate	5.08	43	1832215	11.068	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1768051	9.805	ppbv 99
25) Ethyl Acetate	5.69	43	2376554	9.772	ppbv 100
26) Hexane	5.70	57	1327827	9.963	ppbv 99
27) Carbon Disulfide	4.55	76	2133628	10.741	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2389559	11.311	ppbv 100
29) Chloroform	5.76	83	2615033	9.662	ppbv 99
30) Cyclohexane	7.14	84	1454533	11.062	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1431381	11.126	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2540956	10.650	ppbv 100
34) 2-Butanone	5.25	43	1635534	10.180	ppbv 98
35) Carbon Tetrachloride	7.03	117	2585749	10.210	ppbv 99
36) Benzene	6.91	78	3322910	10.499	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1618918	9.814	ppbv 100
38) Trichloroethene	7.85	130	1636593	10.366	ppbv 99
39) 1,2-Dichloropropane	7.63	63	1152706	10.048	ppbv 98
40) 1,4-Dioxane	7.84	88	551104	10.505	ppbv 98
41) Tetrahydrofuran	6.06	42	934827	11.550	ppbv 99
42) Bromodichloromethane	7.81	83	2744304	10.328	ppbv 99
43) Methyl Methacrylate	8.03	69	1410757	11.208	ppbv 99

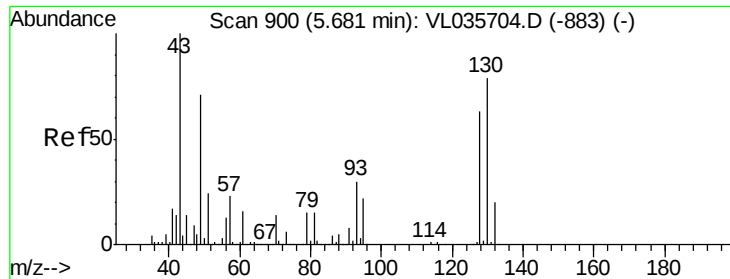
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035711.D
 Acq On : 23 Sep 2020 7:49
 Operator : SY/AP
 Sample : VSTDICV010
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Instrument :
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Quant Time: Sep 23 08:17:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4458516	9.817	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1577825	12.415	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1886940	12.045	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1596640	9.717	ppbv	99
48) Dibromochloromethane	10.33	129	2673121	10.689	ppbv	100
49) Bromoform	13.07	173	2347587	11.063	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2397575	10.217	ppbv	99
51) 2-Hexanone	10.15	43	2020078	10.685	ppbv #	99
52) Tetrachloroethene	11.25	164	1536358	10.094	ppbv	98
53) Toluene	9.82	91	4121516	11.043	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2506101	10.186	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	2043031	8.047	ppbv	96
57) Chlorobenzene	12.17	112	3418929	7.476	ppbv	98
58) Ethyl Benzene	12.73	91	5309498	8.737	ppbv	100
59) m/p-Xylene	13.02	91	4772865	8.993	ppbv #	38
60) o-Xylene	13.72	91	4391564	8.180	ppbv	99
61) Styrene	13.55	104	3486186	9.391	ppbv	99
62) Isopropylbenzene	14.70	105	6606381	7.934	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3196503	7.261	ppbv	100
64) n-propylbenzene	15.59	120	2031767	8.337	ppbv	99
65) tert-Butylbenzene	16.78	119	6043441	7.983	ppbv	99
66) Benzyl Chloride	17.02	91	2175244	9.483	ppbv	99
67) sec-Butylbenzene	17.33	105	8036952	7.687	ppbv	100
69) p-Isopropyltoluene	17.68	119	6772129	7.962	ppbv	99
70) n-Butylbenzene	18.58	91	6697357	7.646	ppbv	100
71) 2-Chlorotoluene	15.48	91	5056637	8.325	ppbv	100
72) 4-Ethyltoluene	15.87	105	5362347	8.432	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4975713	8.279	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5154420	7.608	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	3424544	7.404	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3412250	7.718	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3326219	7.614	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1789228	7.423	ppbv	99
79) Naphthalene	22.24	128	5032085	7.788	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1379455	9.051	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2612349	7.801	ppbv	100

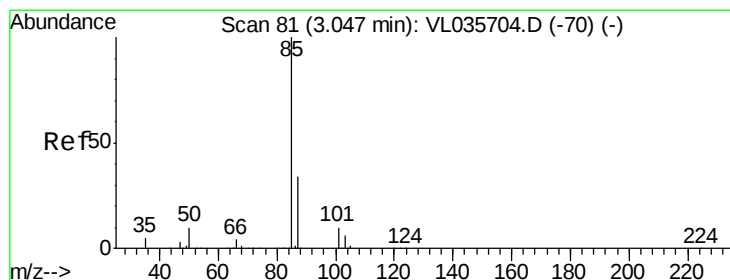
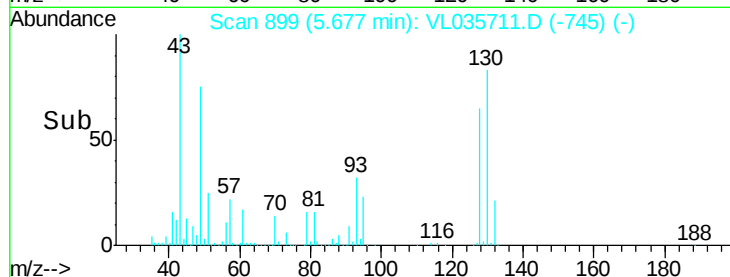
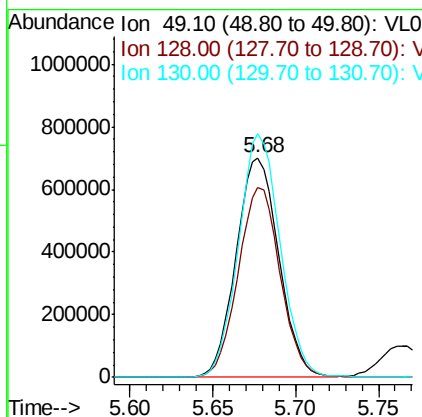
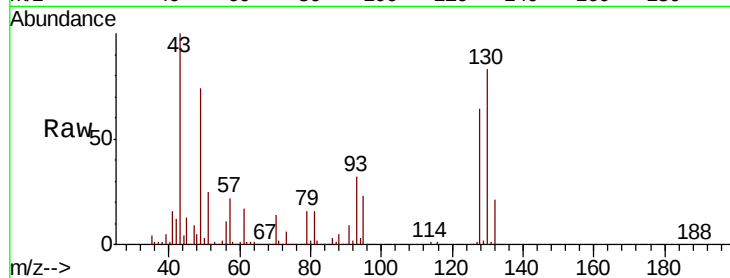
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

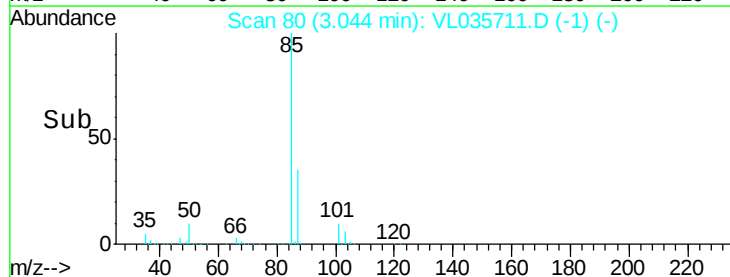
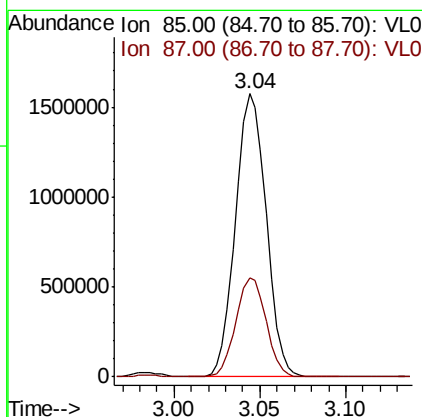
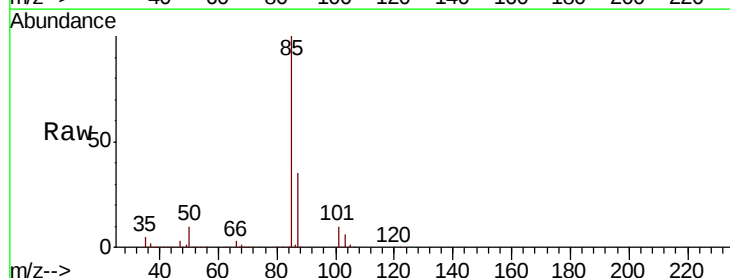
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

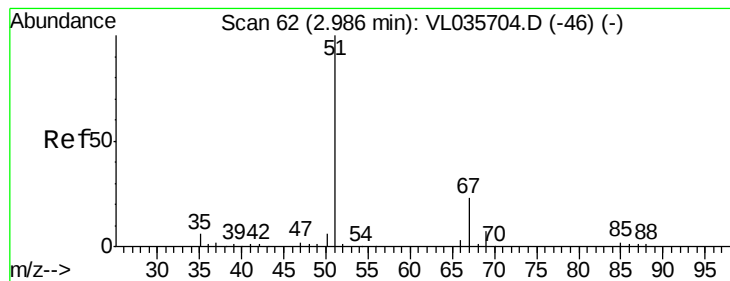
Tot Ion: 49 Resp: 1256106
 Ion Ratio Lower Upper
 49 100
 128 85.6 43.1 129.4
 130 108.8 54.9 164.7



#2
 Dichlorodifluoromethane
 Concen: 9.479 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 85 Resp: 1953756
 Ion Ratio Lower Upper
 85 100
 87 34.9 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.612 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

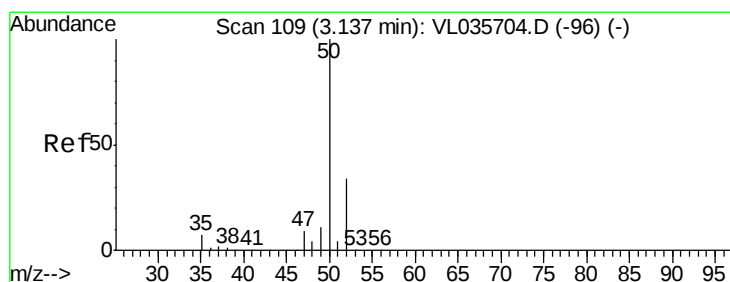
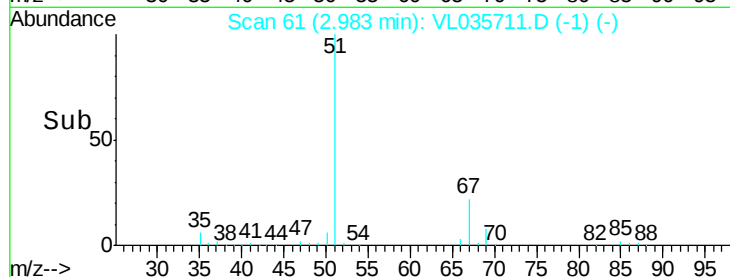
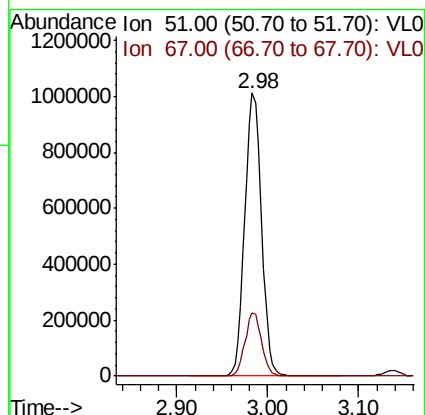
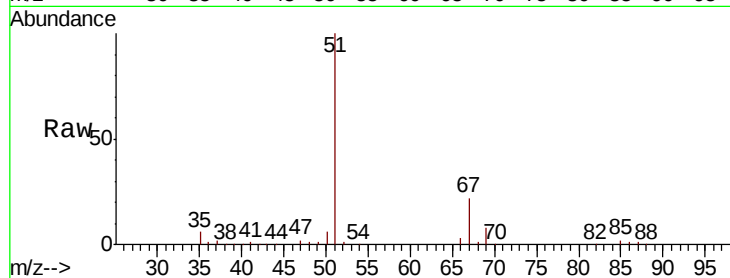
ICVVL092320

Tot Ion: 51 Resp: 1298928

Ion Ratio Lower Upper

51 100

67 21.9 17.8 26.8



#4

Chloromethane

Concen: 9.682 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035711.D

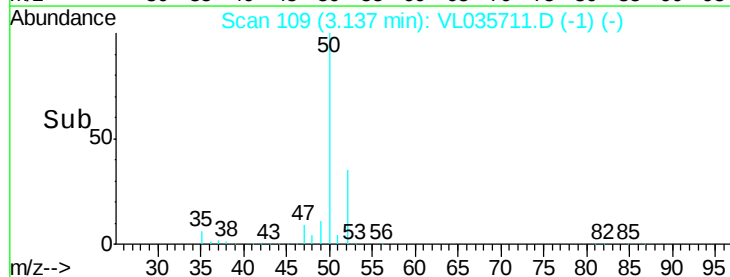
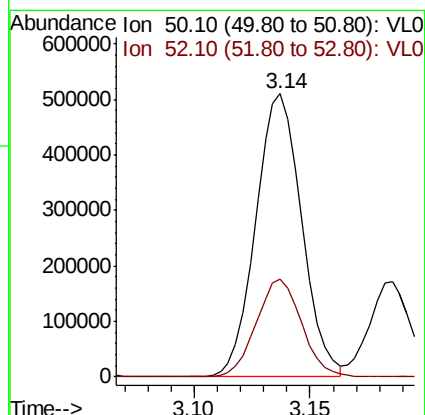
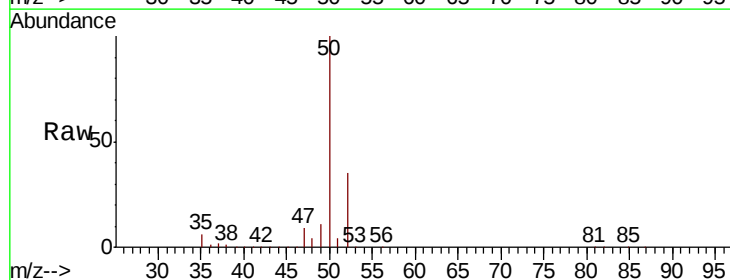
Acq: 23 Sep 2020 7:49

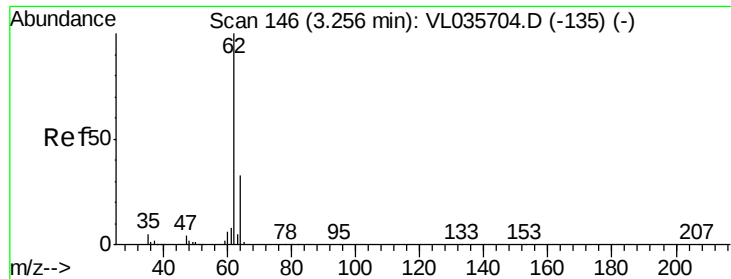
Tgt Ion: 50 Resp: 702835

Ion Ratio Lower Upper

50 100

52 34.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.805 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

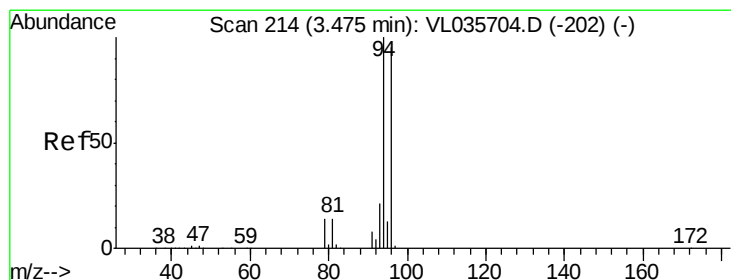
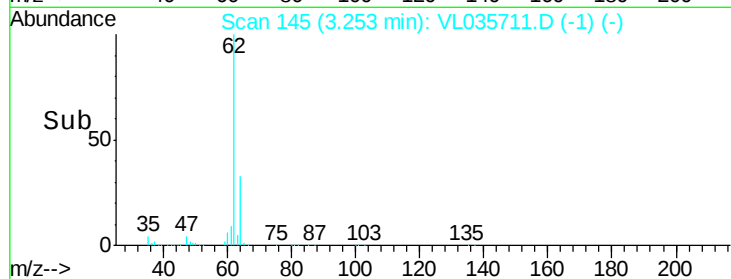
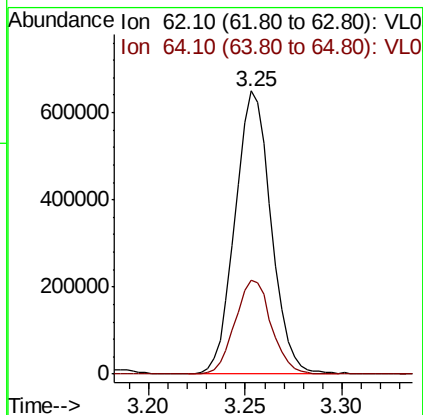
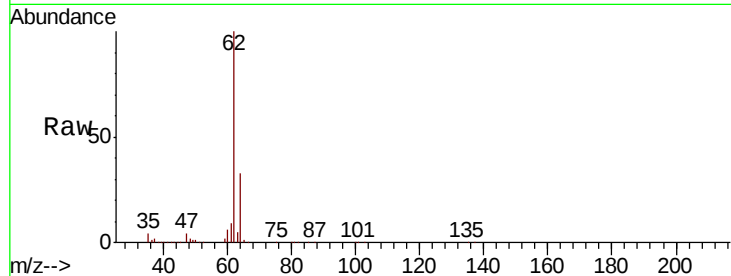
ICVVL092320

Tot Ion: 62 Resp: 841938

Ion Ratio Lower Upper

62 100

64 33.3 26.8 40.2



#6

Bromomethane

Concen: 9.595 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035711.D

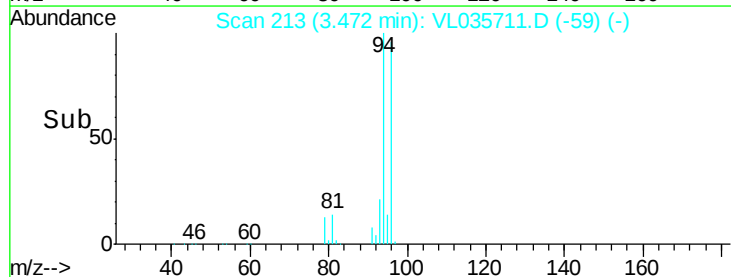
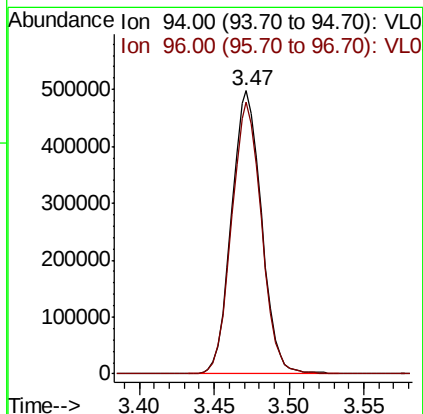
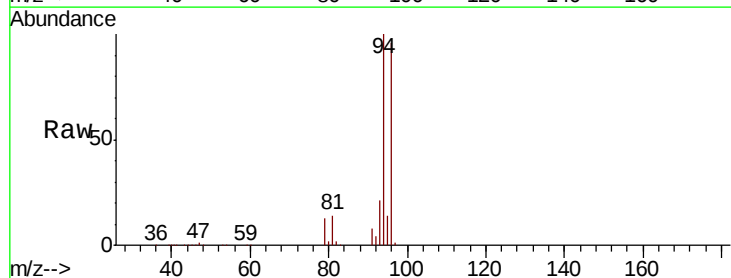
Acq: 23 Sep 2020 7:49

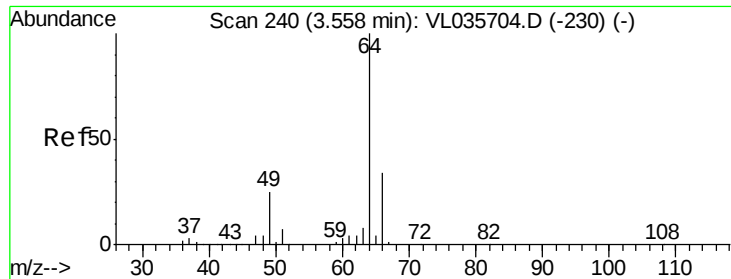
Tgt Ion: 94 Resp: 696469

Ion Ratio Lower Upper

94 100

96 96.2 76.3 114.5





#7

Chloroethane

Concen: 10.017 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

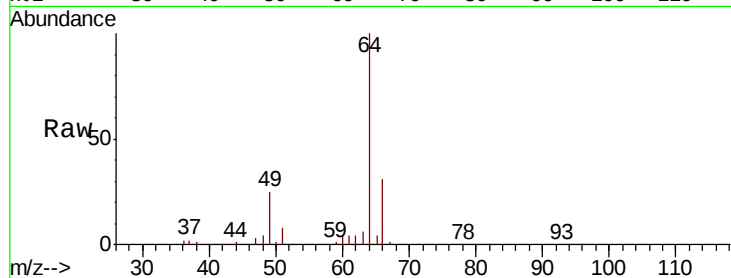
ICVVL092320

Tot Ion: 64 Resp: 315462

Ion Ratio Lower Upper

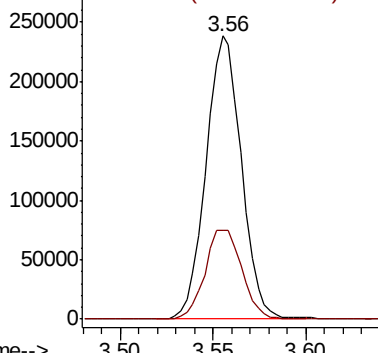
64 100

66 31.3 26.9 40.3

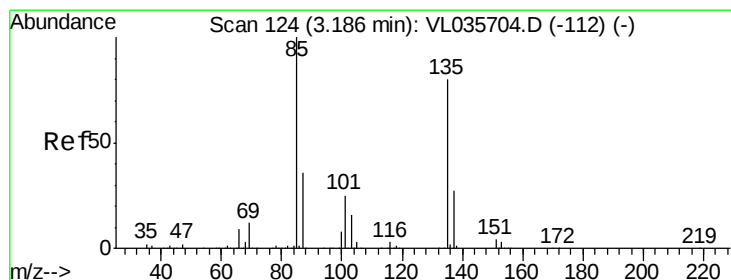
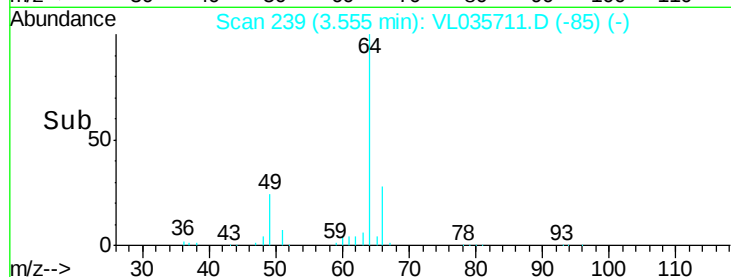


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.256 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL035711.D

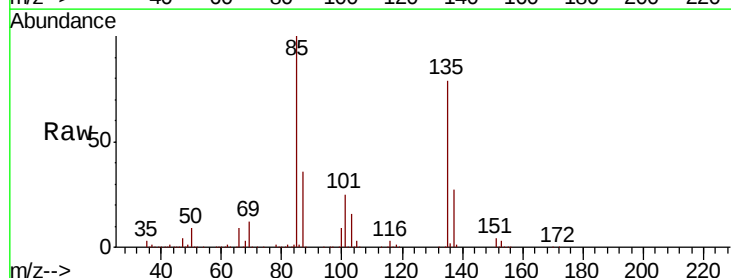
Acq: 23 Sep 2020 7:49

Tgt Ion: 85 Resp: 2313806

Ion Ratio Lower Upper

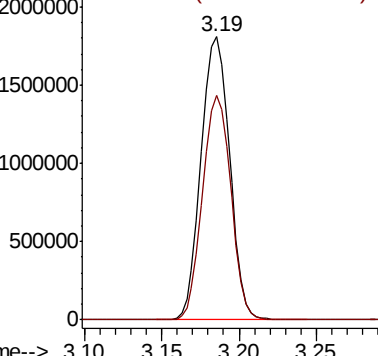
85 100

135 79.1 64.3 96.5

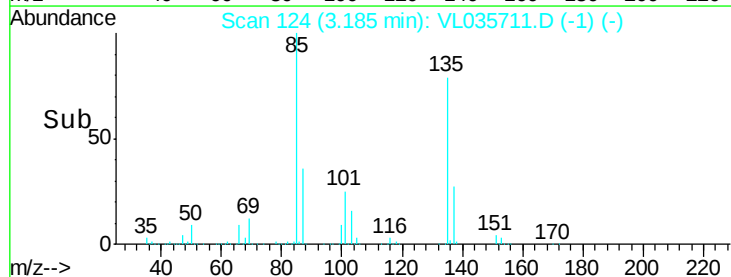


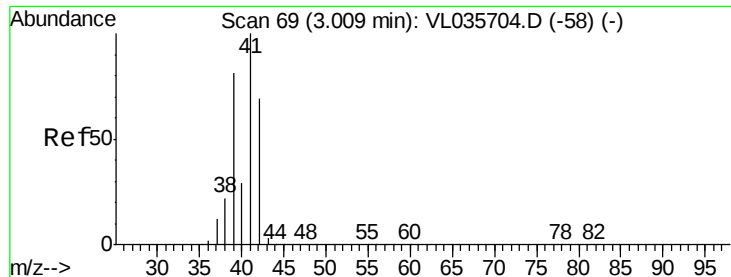
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 10.420 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

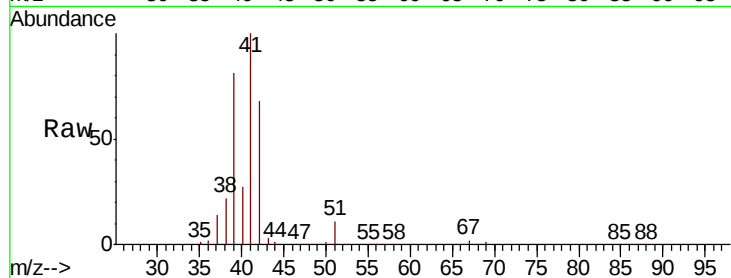
ICVVL092320

Tot Ion: 41 Resp: 511241

Ion Ratio Lower Upper

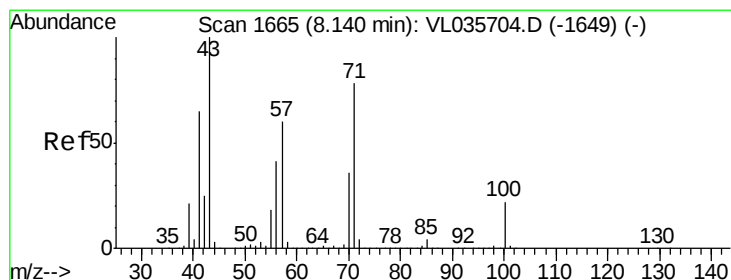
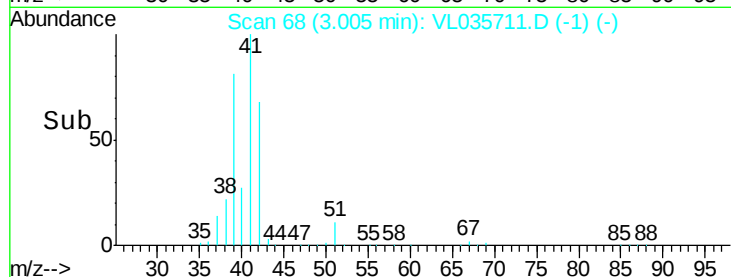
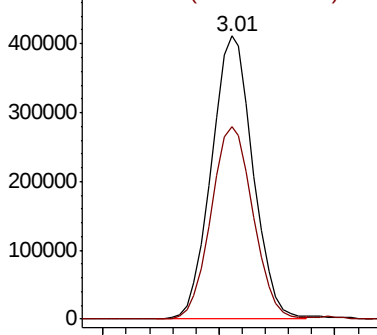
41 100

42 69.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.505 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VL035711.D

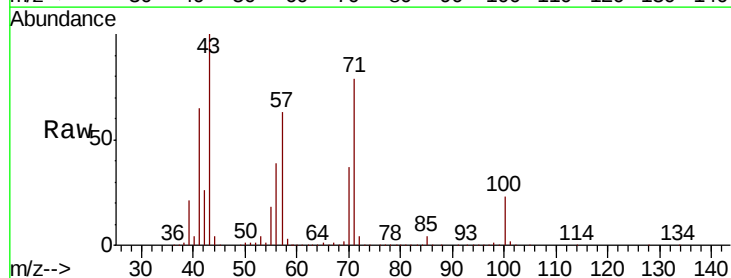
Acq: 23 Sep 2020 7:49

Tgt Ion: 43 Resp: 1436937

Ion Ratio Lower Upper

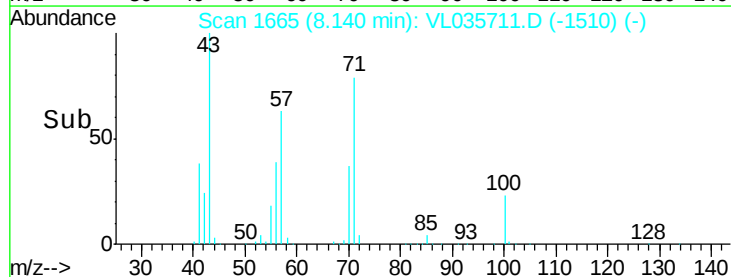
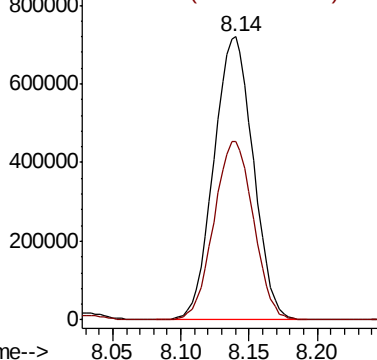
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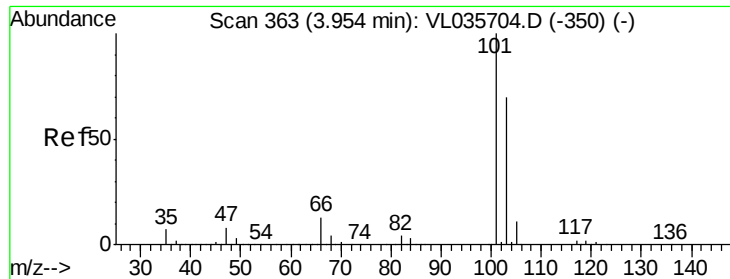
57 63.4 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

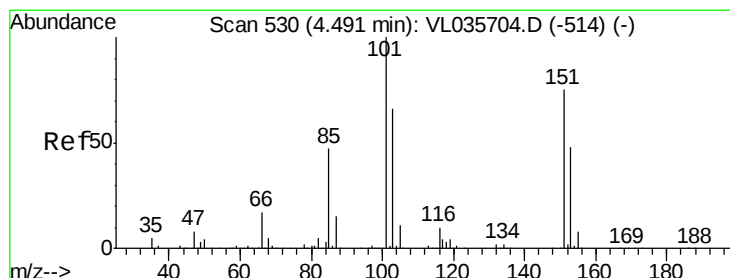
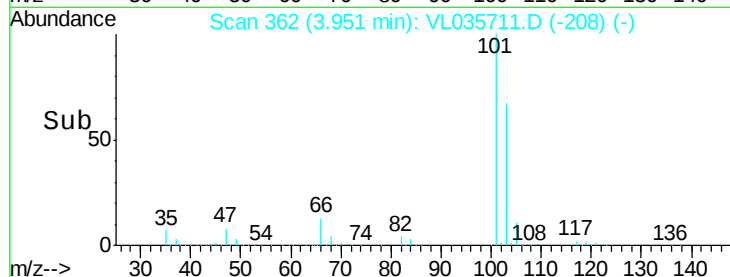
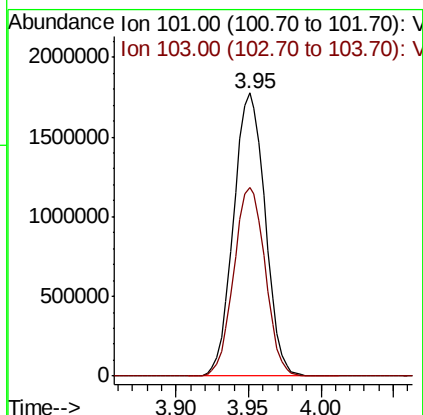
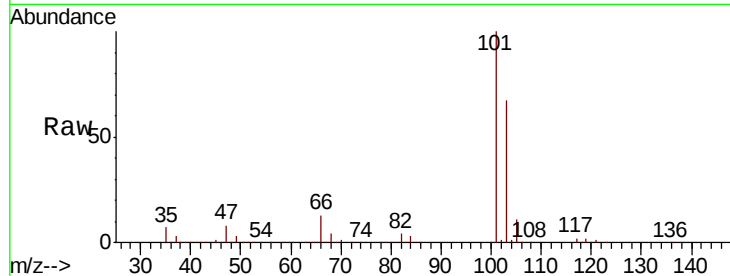




#11
 Trichlorofluoromethane
 Concen: 9.114 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

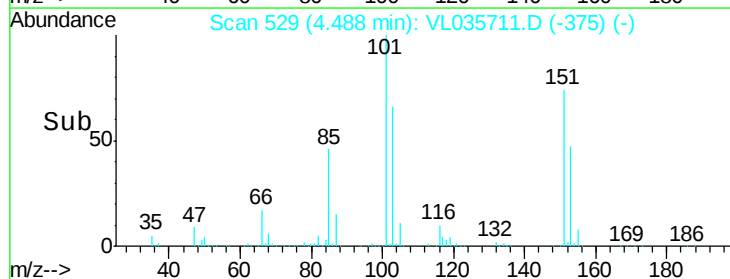
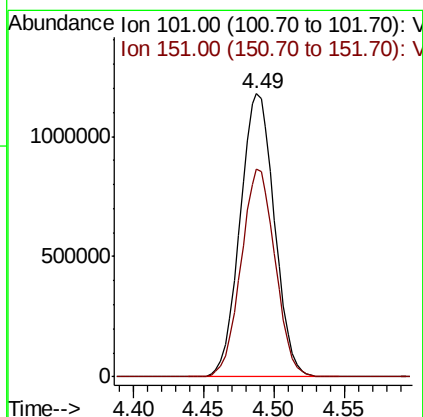
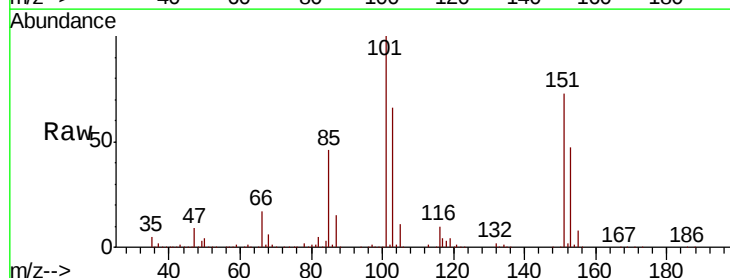
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

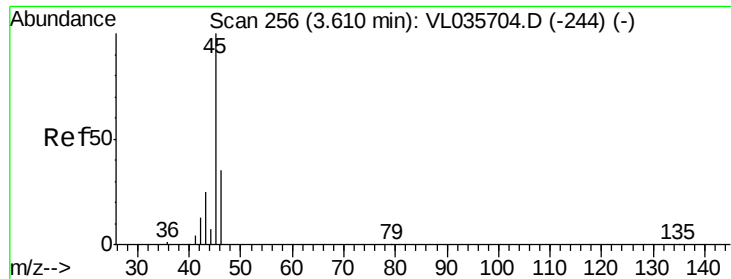
Tot Ion:101 Resp: 2680321
 Ion Ratio Lower Upper
 101 100
 103 66.8 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.179 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion:101 Resp: 2012254
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.1 88.7





#13

Ethanol

Concen: 8.711 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

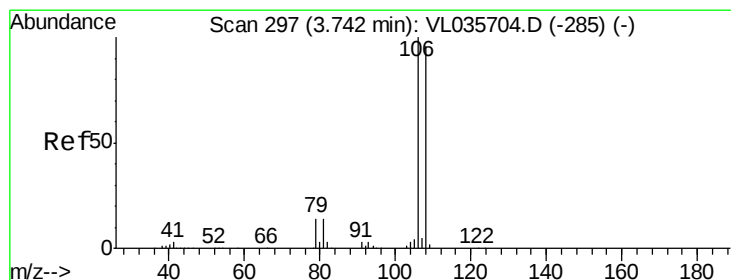
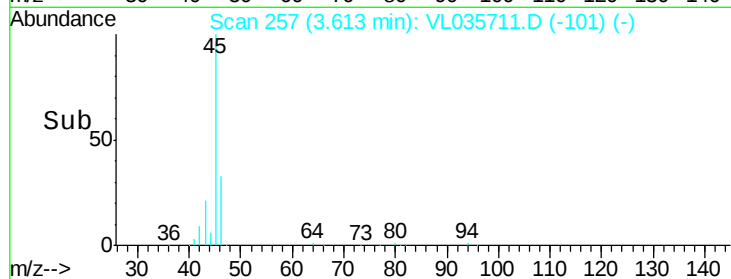
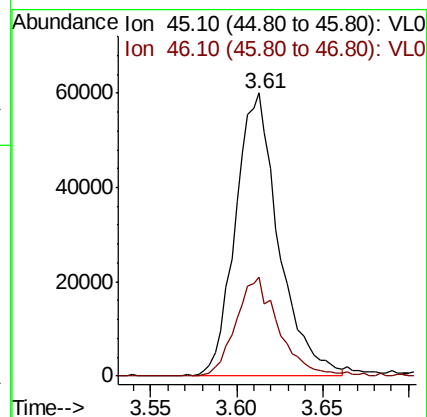
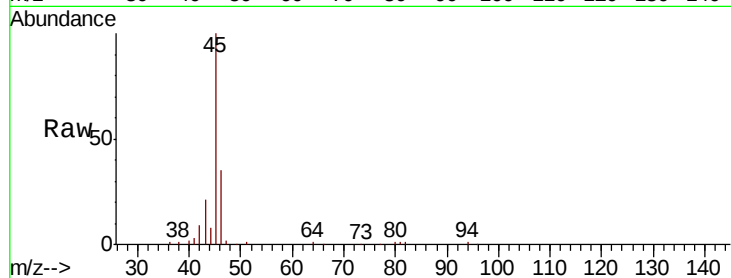
ICVVL092320

Tot Ion: 45 Resp: 105403

Ion Ratio Lower Upper

45 100

46 34.7 14.7 58.7



#14

Bromoethene

Concen: 10.107 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

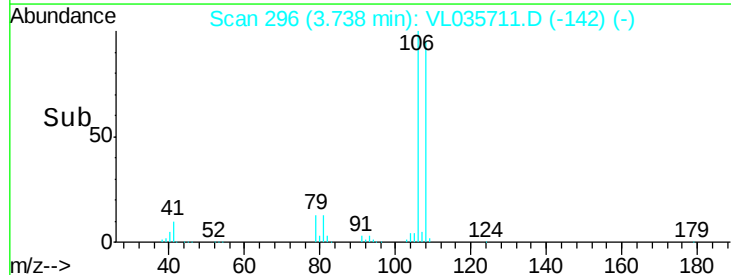
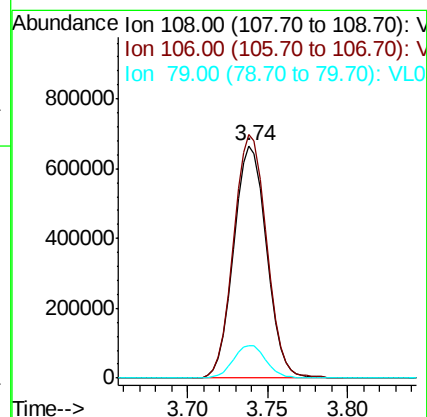
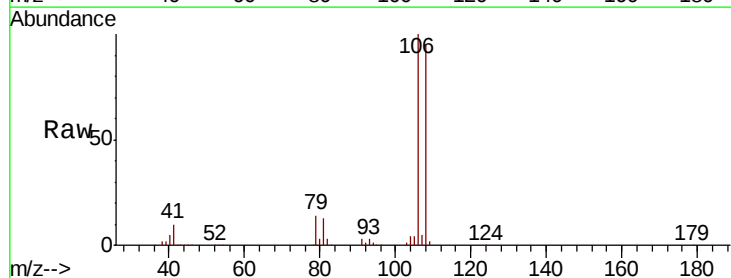
Tgt Ion: 108 Resp: 933247

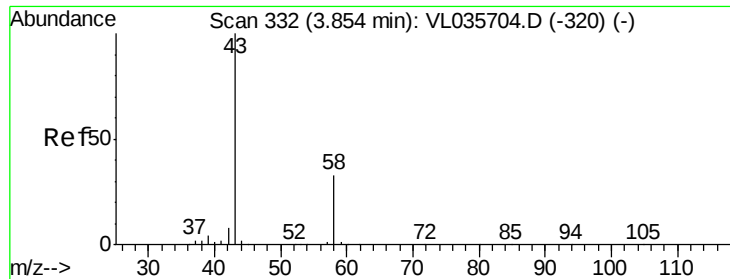
Ion Ratio Lower Upper

108 100

106 105.3 84.6 126.8

79 14.4 11.6 17.4





#15

Acetone

Concen: 8.239 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

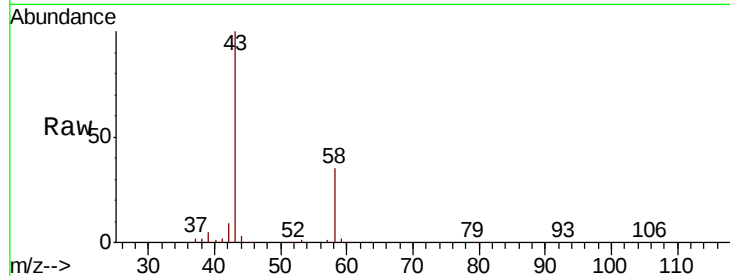
ICVVL092320

Tot Ion: 43 Resp: 1113602

Ion Ratio Lower Upper

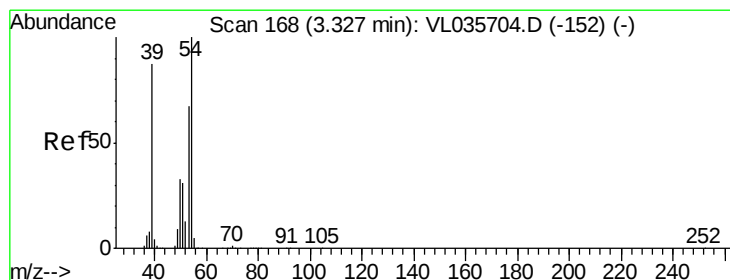
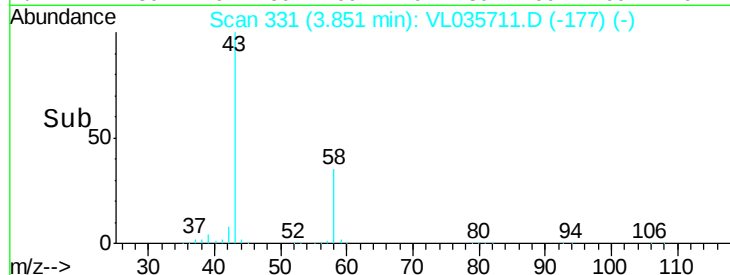
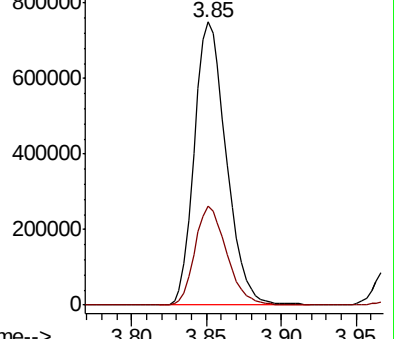
43 100

58 35.0 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.529 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035711.D

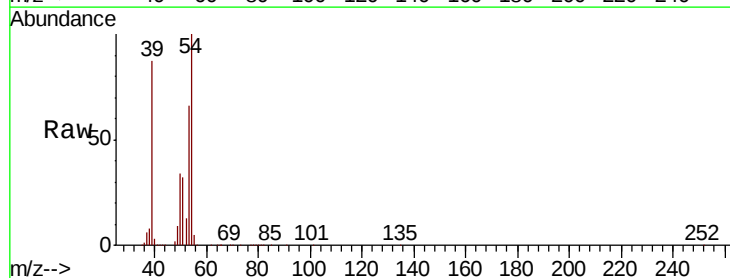
Acq: 23 Sep 2020 7:49

Tgt Ion: 39 Resp: 520635

Ion Ratio Lower Upper

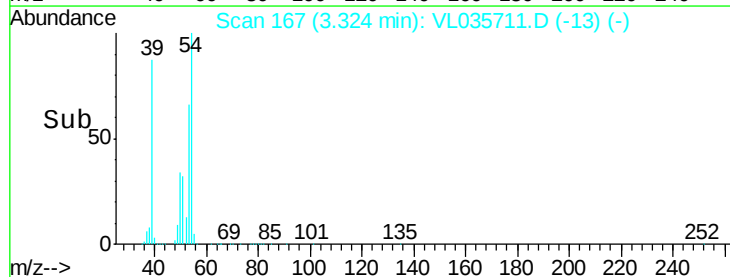
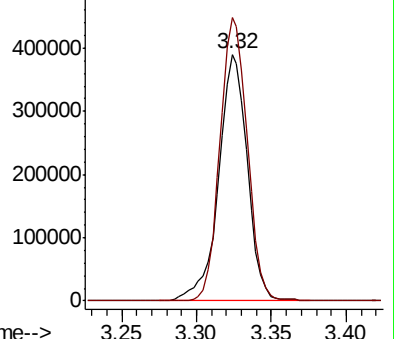
39 100

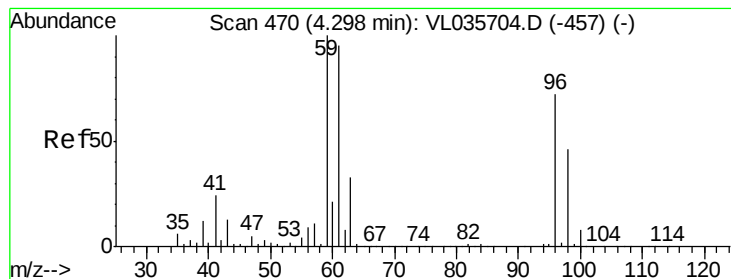
54 109.9 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.015 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

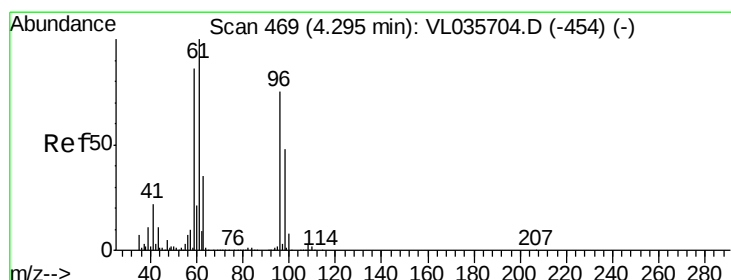
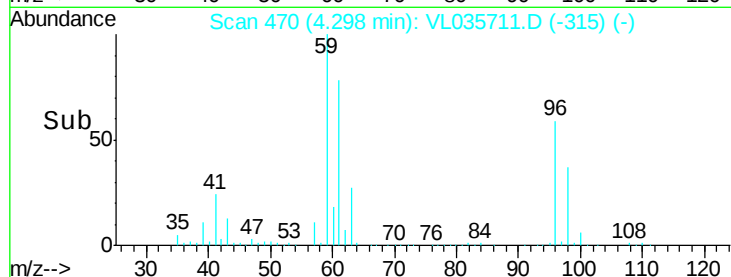
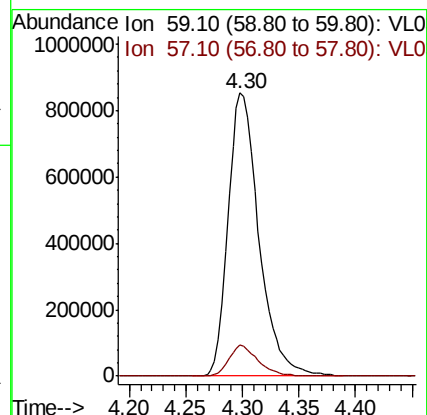
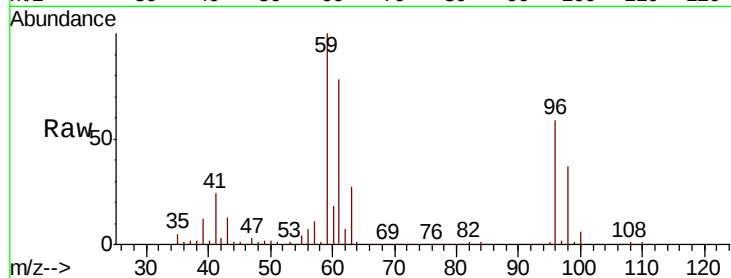
ICVVL092320

Tot Ion: 59 Resp: 1621635

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.993 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

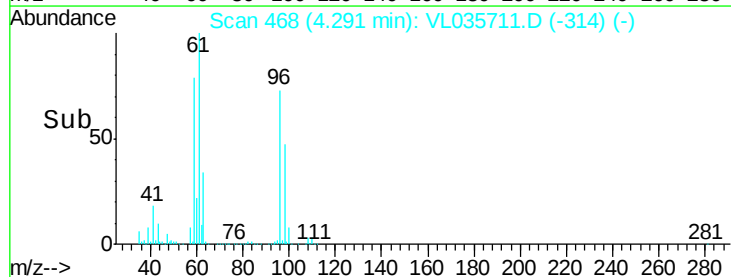
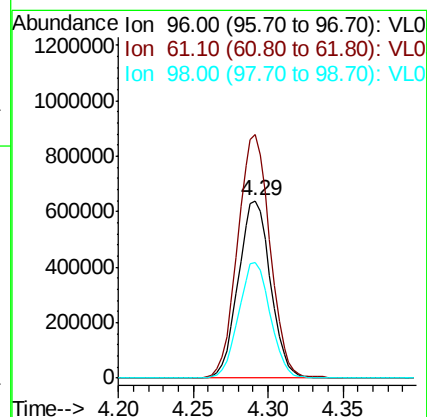
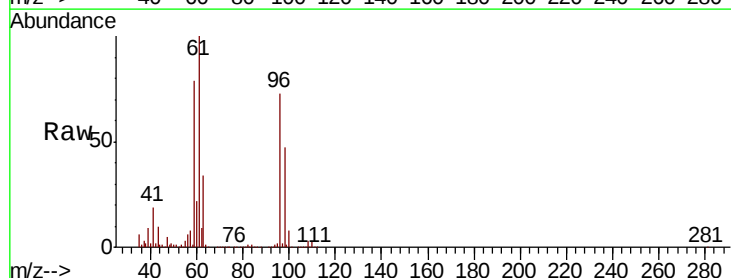
Tgt Ion: 96 Resp: 959117

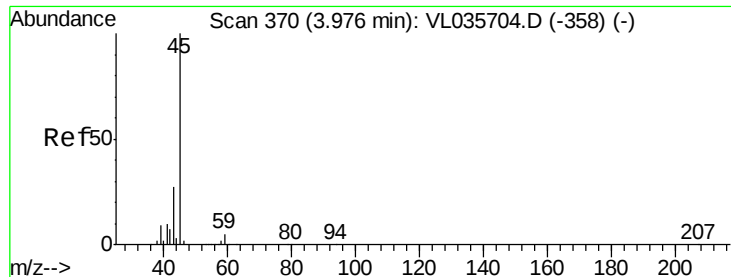
Ion Ratio Lower Upper

96 100

61 137.2 106.7 160.1

98 65.0 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.493 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

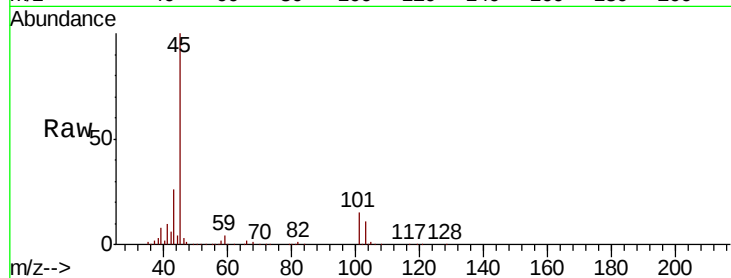
ICVVL092320

Tot Ion: 45 Resp: 771492

Ion Ratio Lower Upper

45 100

58 2.3 2.8 4.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

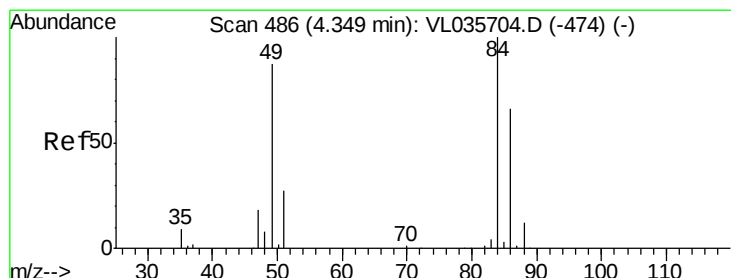
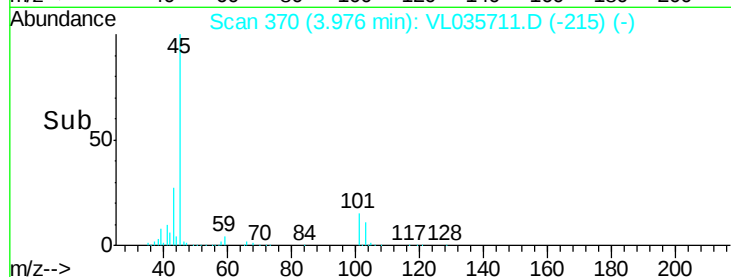
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.055 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 84 Resp: 799710

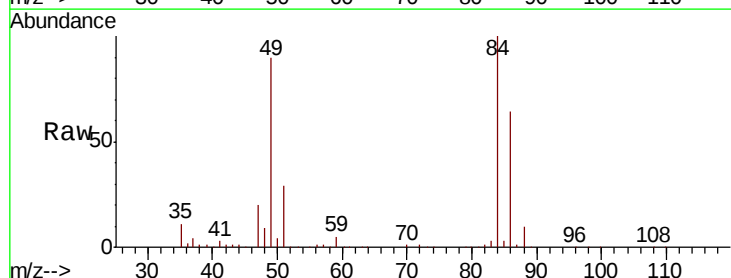
Ion Ratio Lower Upper

84 100

49 88.6 69.8 104.6

51 26.9 21.8 32.8

86 63.8 52.6 78.8



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

4.35

800000

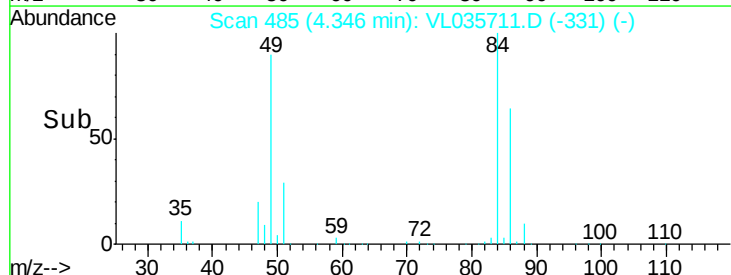
600000

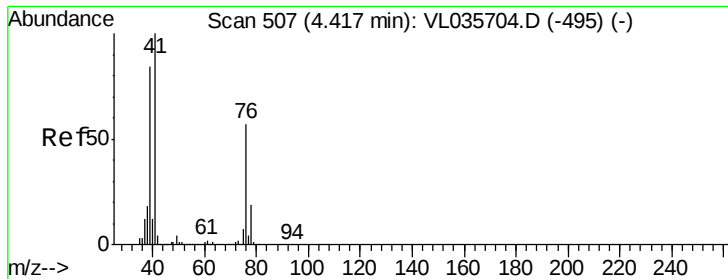
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.648 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

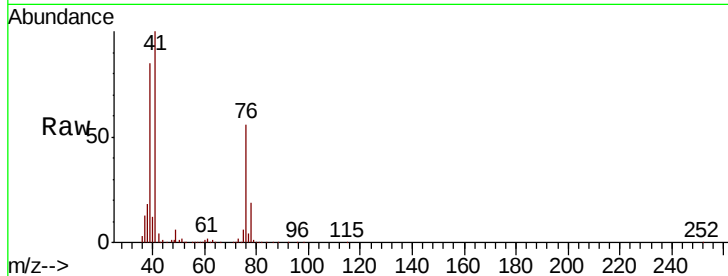
Tot Ion: 41 Resp: 697611

Ion Ratio Lower Upper

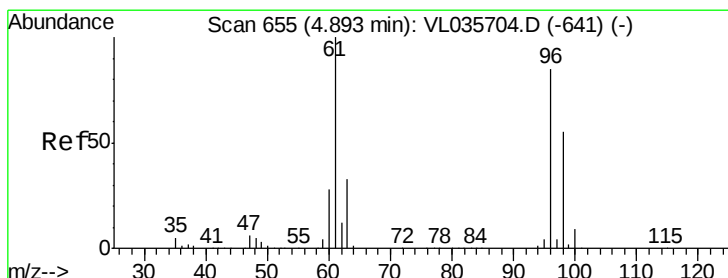
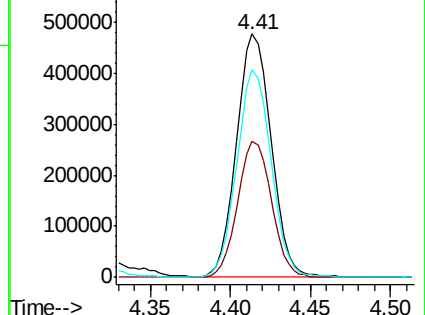
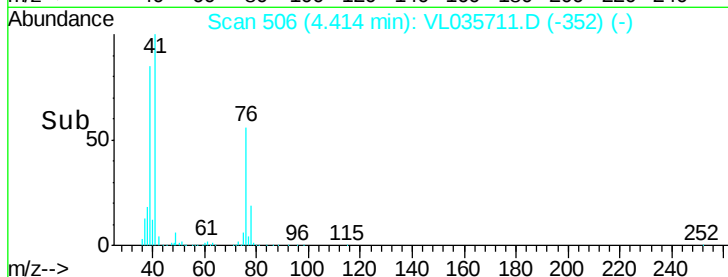
41 100

76 55.3 44.8 67.2

39 84.9 68.4 102.6



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



#22

trans-1,2-Dichloroethene

Concen: 9.819 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

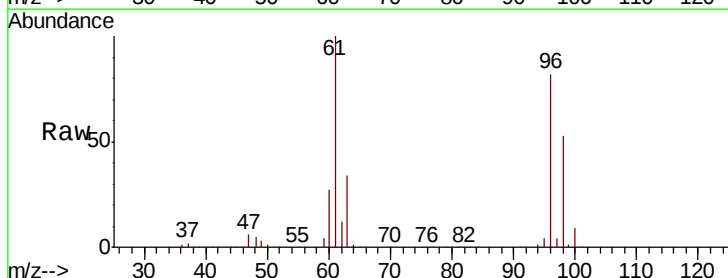
Tgt Ion: 96 Resp: 995689

Ion Ratio Lower Upper

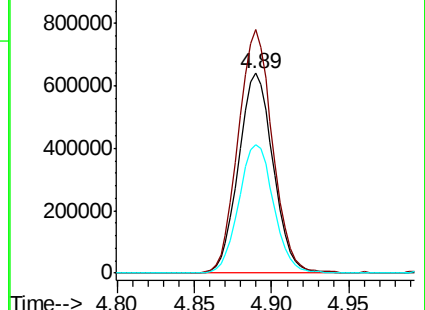
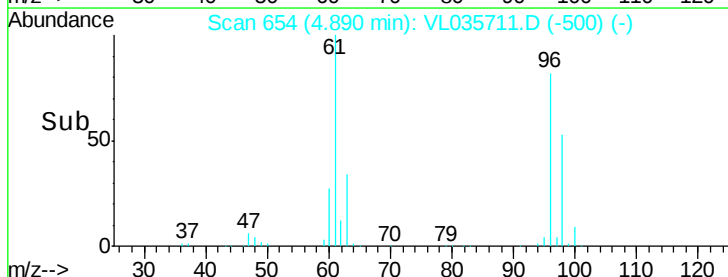
96 100

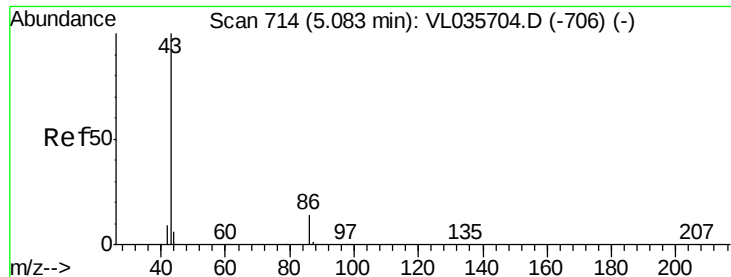
61 121.8 93.7 140.5

98 64.5 51.2 76.8



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





#23

Vinyl Acetate

Concen: 11.068 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

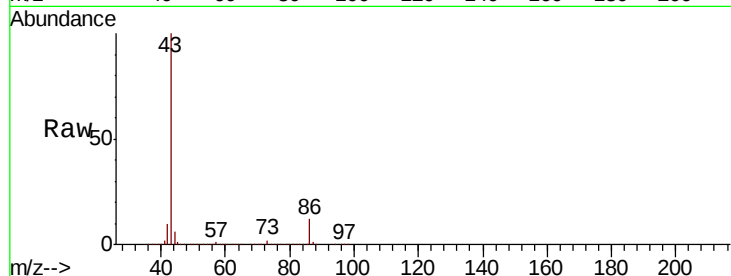
MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 43 Resp: 1832215

Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.7	14.5
42	9.8	7.9	11.9
44	5.7	4.8	7.2

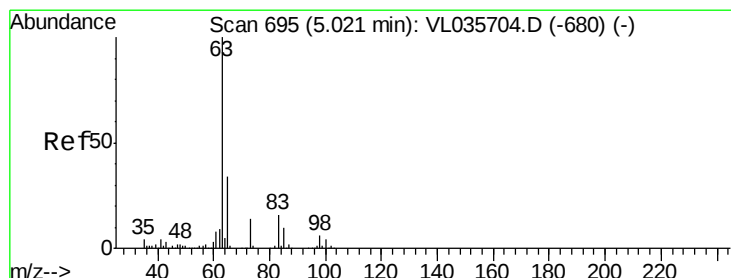
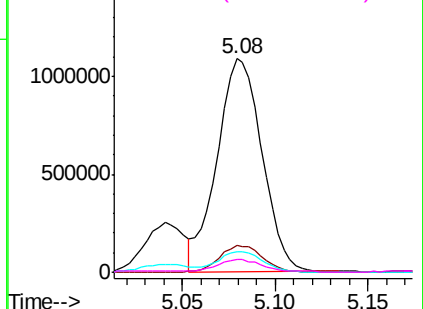
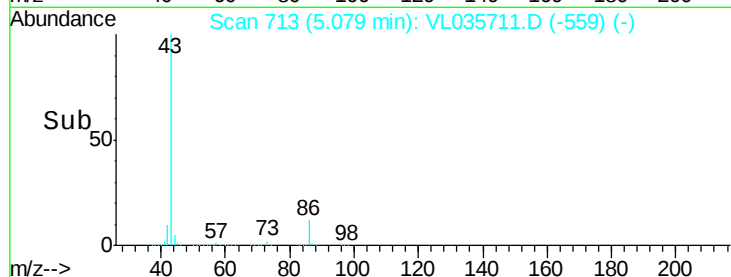


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.805 ppbv

RT: 5.02 min Scan# 694

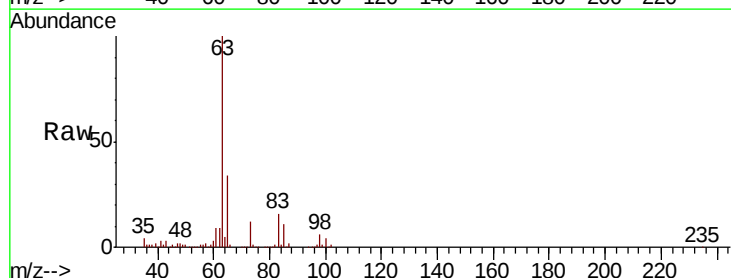
Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 63 Resp: 1768051

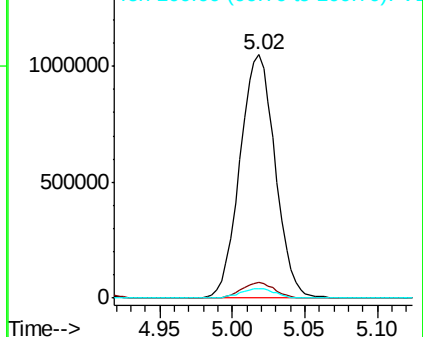
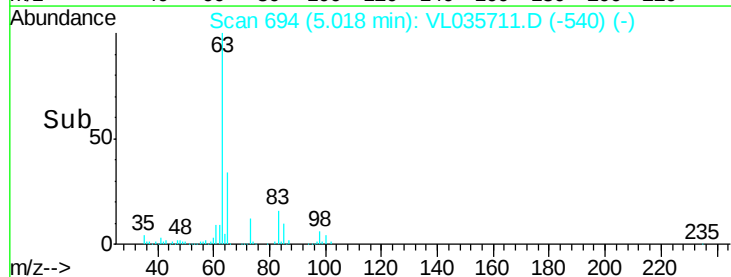
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	4.0	2.0	5.8

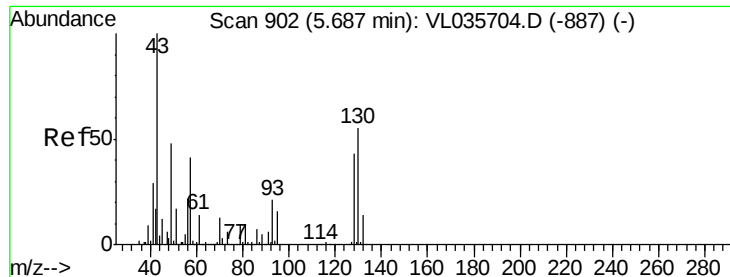


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.772 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

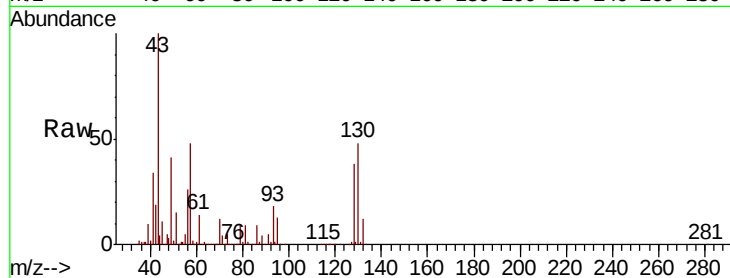
MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 43 Resp: 2376554

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.6	12.8
61	13.0	10.4	15.6
70	11.2	8.9	13.3

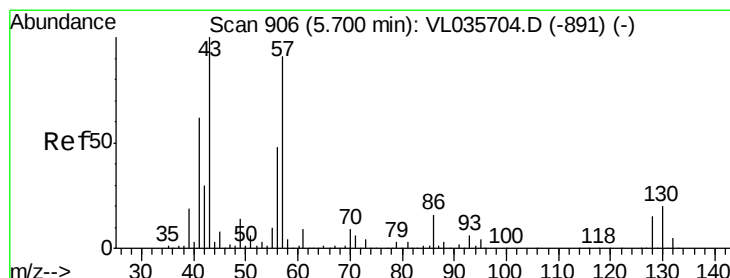
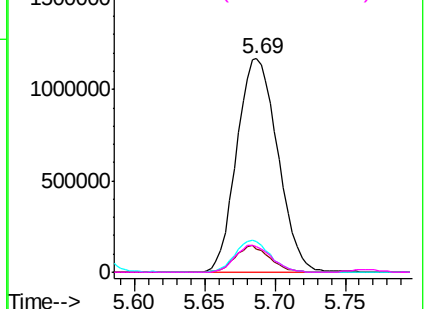
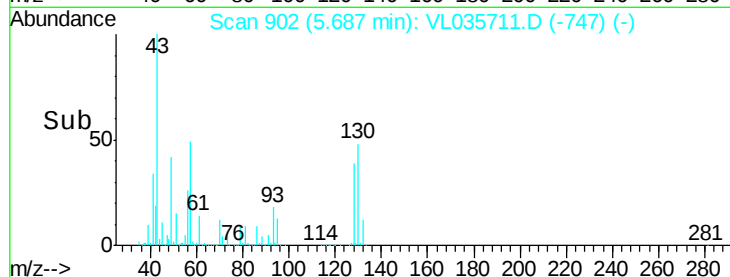


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.963 ppbv

RT: 5.70 min Scan# 905

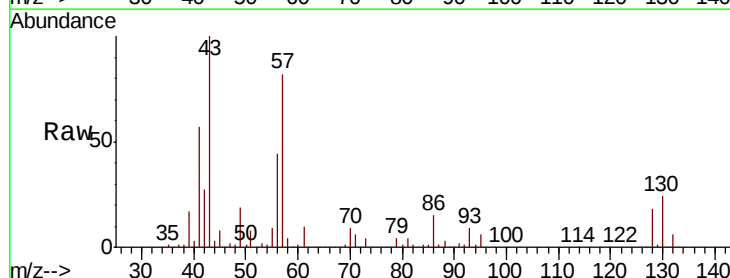
Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 57 Resp: 1327827

Ion	Ratio	Lower	Upper
57	100		
41	71.5	57.9	86.9
43	179.8	143.8	215.6
56	52.4	43.0	64.6

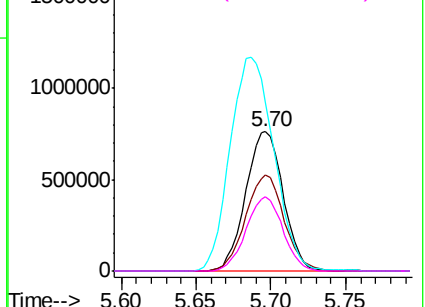
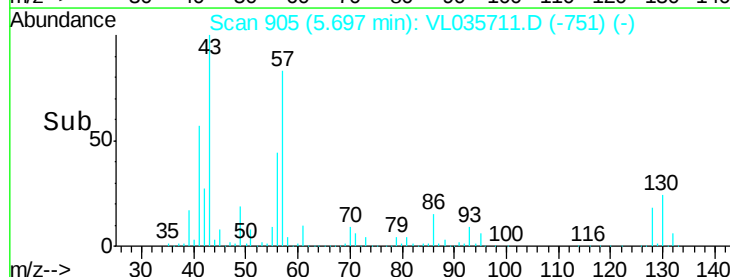


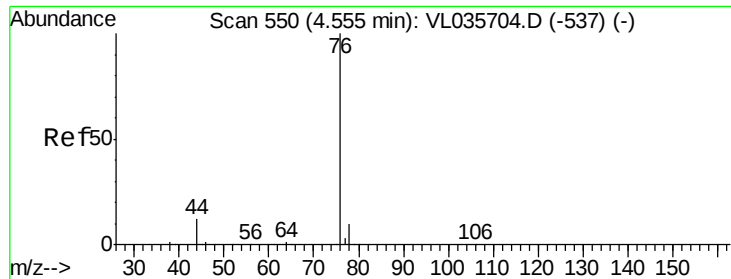
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

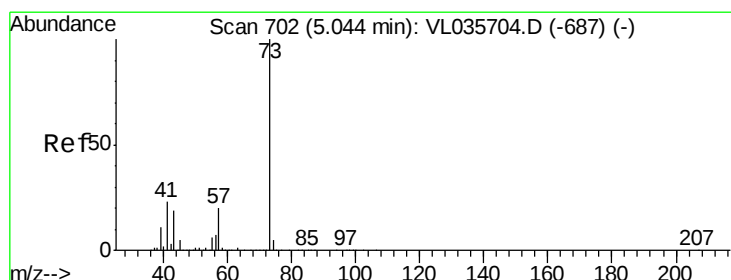
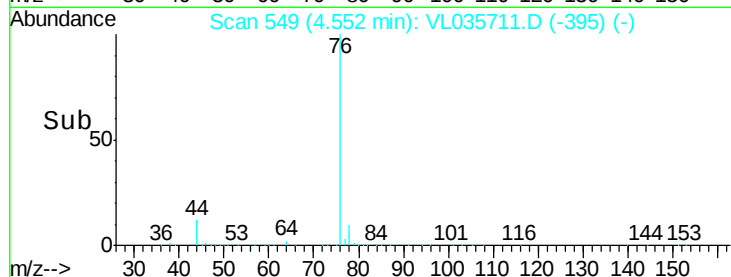
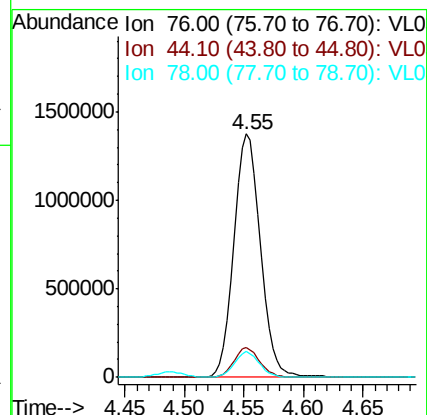
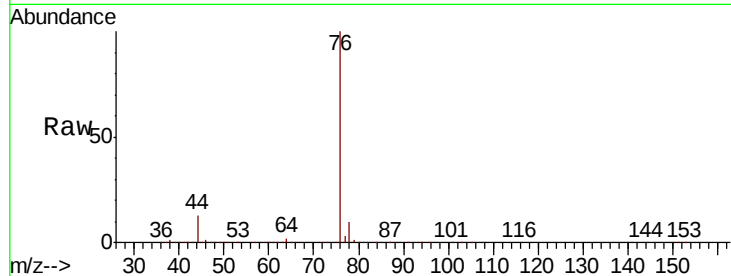




#27
Carbon Disulfide
Concen: 10.741 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

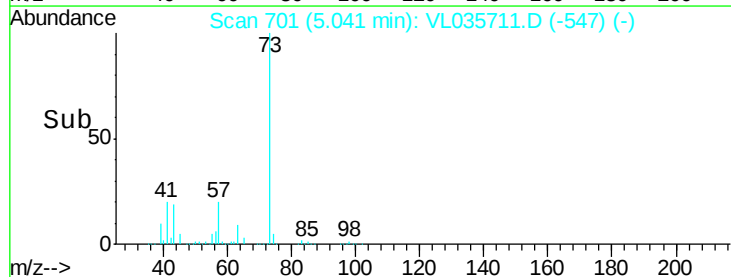
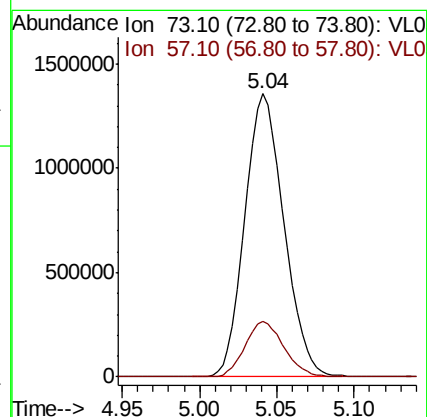
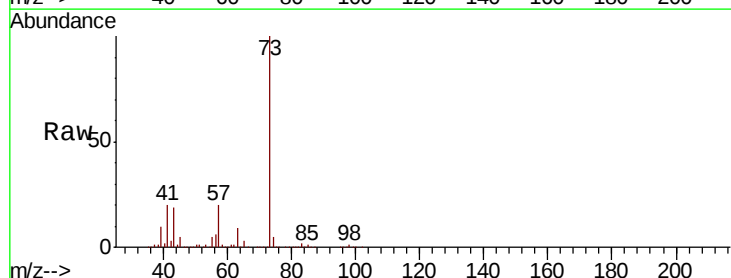
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

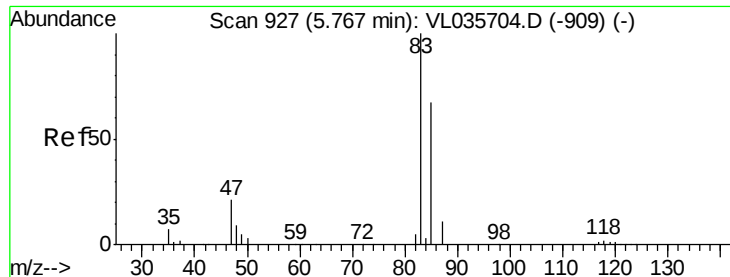
Tot Ion: 76 Resp: 2133628
Ion Ratio Lower Upper
76 100
44 11.8 9.7 14.5
78 9.8 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 11.311 ppbv
RT: 5.04 min Scan# 701
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 73 Resp: 2389559
Ion Ratio Lower Upper
73 100
57 19.6 15.6 23.4

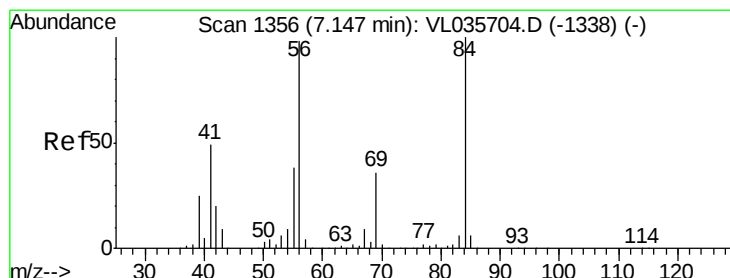
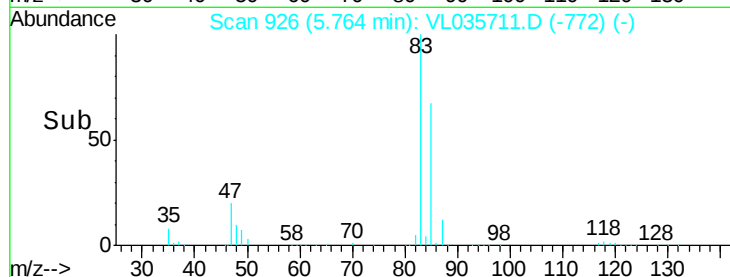
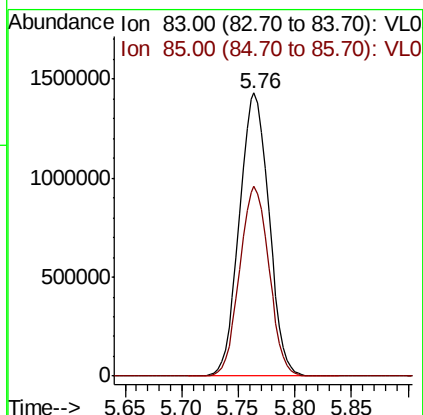
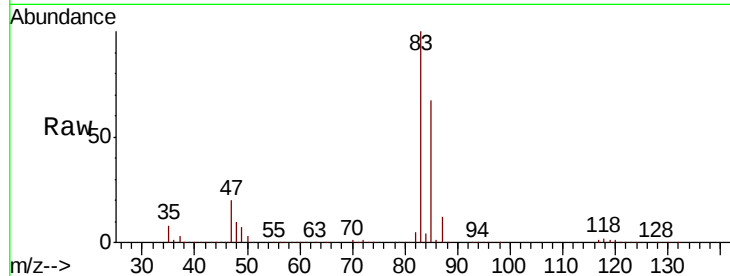




#29
Chloroform
Concen: 9.662 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

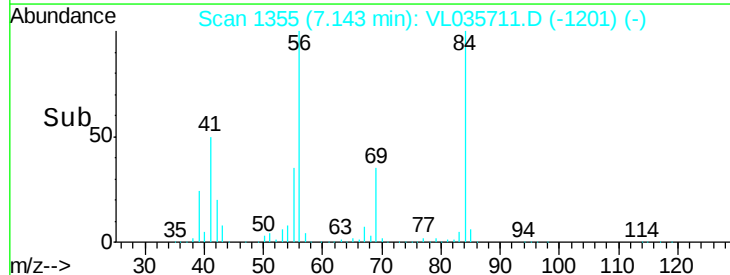
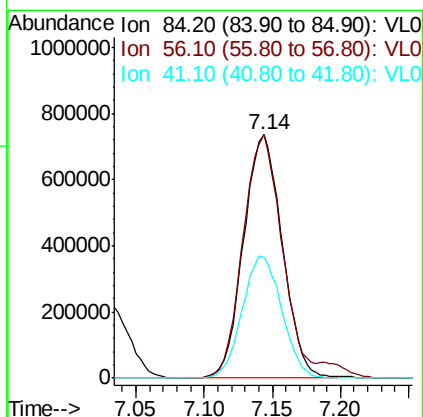
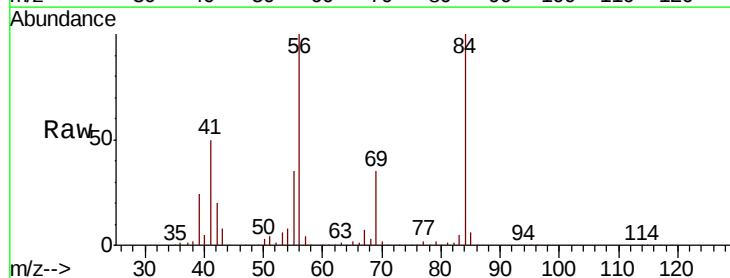
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

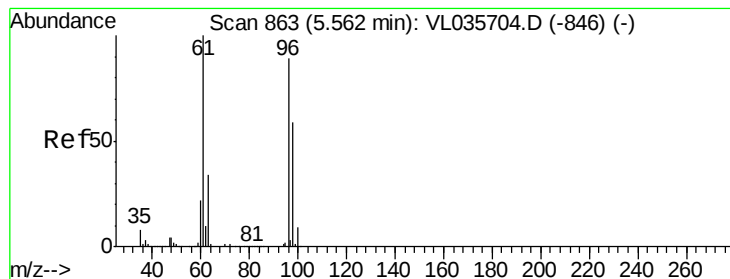
Tot Ion: 83 Resp: 2615033
Ion Ratio Lower Upper
83 100
85 67.0 54.0 81.0



#30
Cyclohexane
Concen: 11.062 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 84 Resp: 1454533
Ion Ratio Lower Upper
84 100
56 105.2 84.6 127.0
41 51.1 41.1 61.7



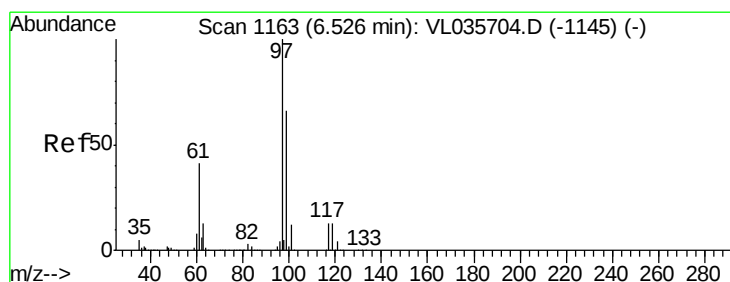
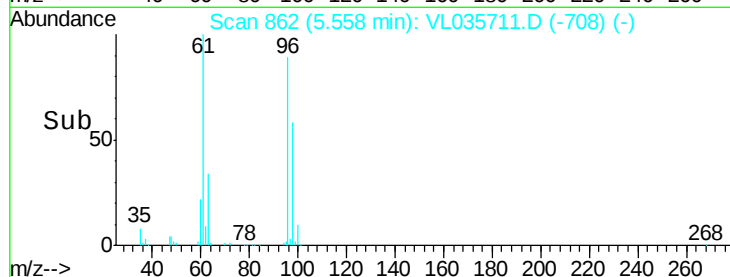
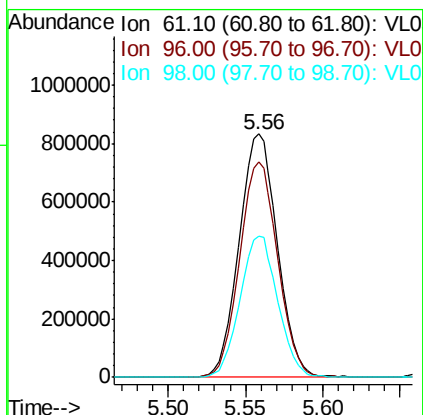
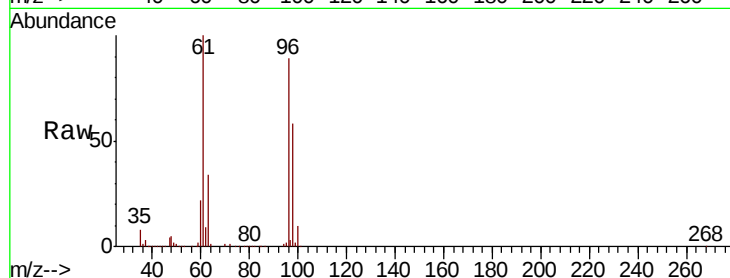


#31

cis-1,2-Dichloroethene
 Concen: 11.126 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

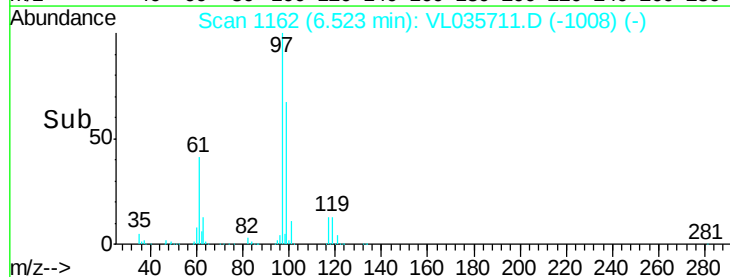
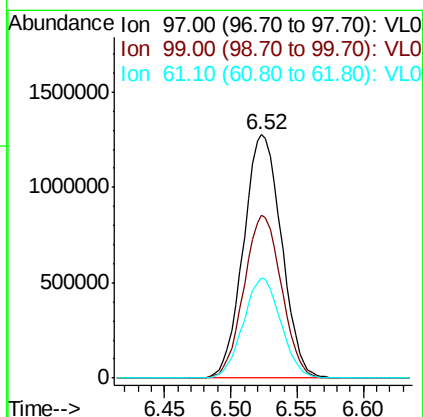
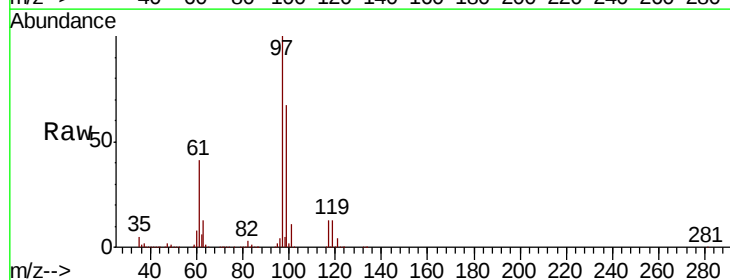
Tot Ion: 61 Resp: 1431381
 Ion Ratio Lower Upper
 61 100
 96 88.6 71.4 107.2
 98 58.2 47.4 71.2

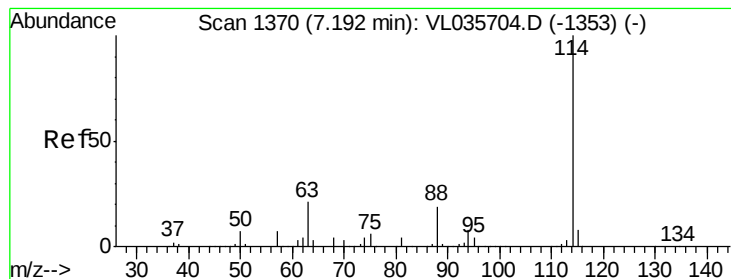


#32

1,1,1-Trichloroethane
 Concen: 10.650 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 97 Resp: 2540956
 Ion Ratio Lower Upper
 97 100
 99 66.3 52.7 79.1
 61 40.7 32.7 49.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

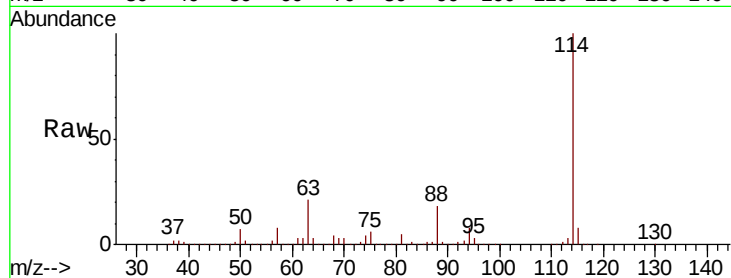
Tot Ion:114 Resp: 4857231

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

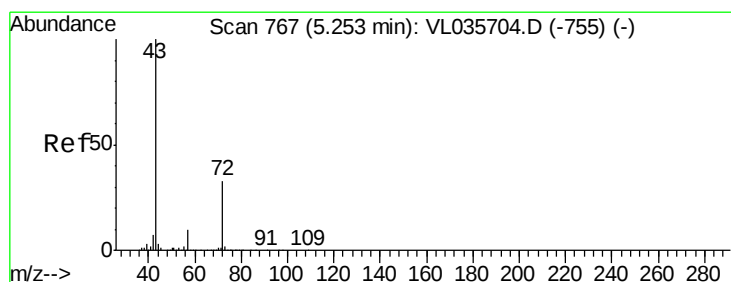
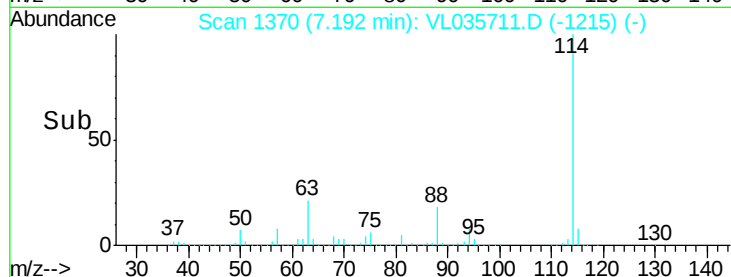
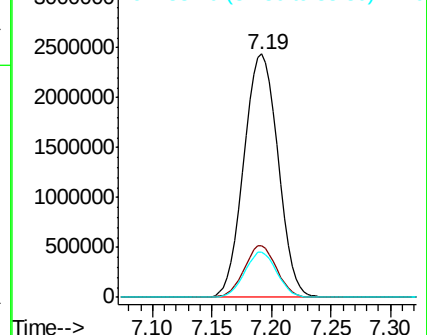
88 17.6 14.1 21.1



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: 10.180 ppbv

RT: 5.25 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL035711.D

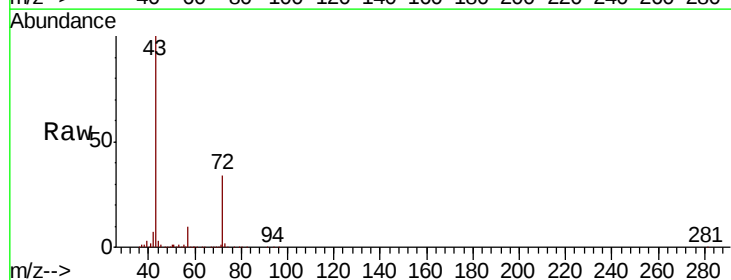
Acq: 23 Sep 2020 7:49

Tgt Ion: 43 Resp: 1635534

Ion Ratio Lower Upper

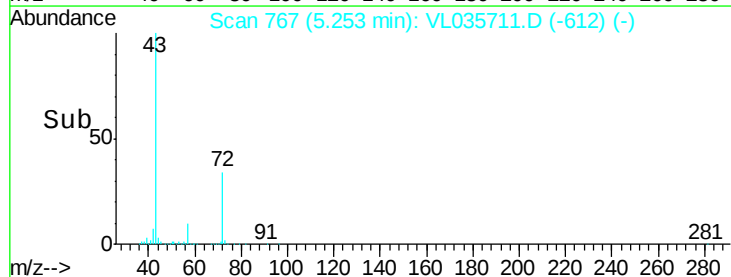
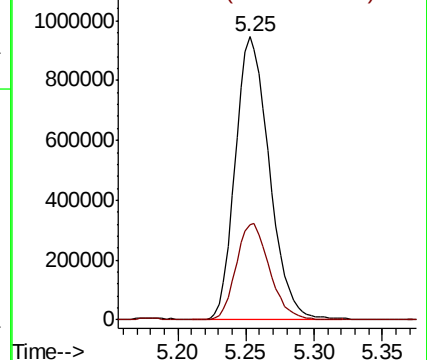
43 100

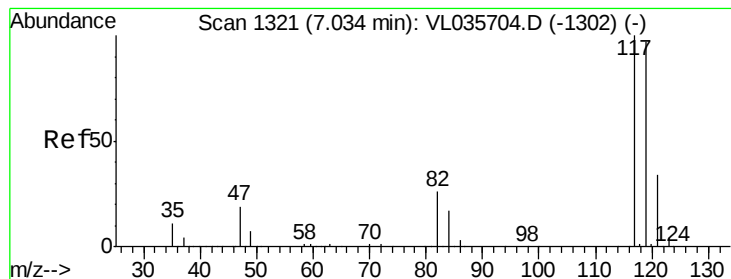
72 33.6 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.210 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

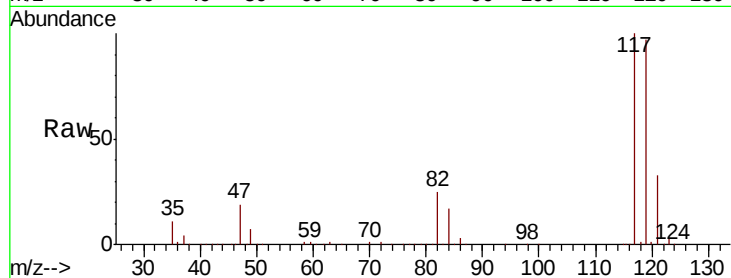
Tot Ion:117 Resp: 2585749

Ion Ratio Lower Upper

117 100

119 96.6 77.7 116.5

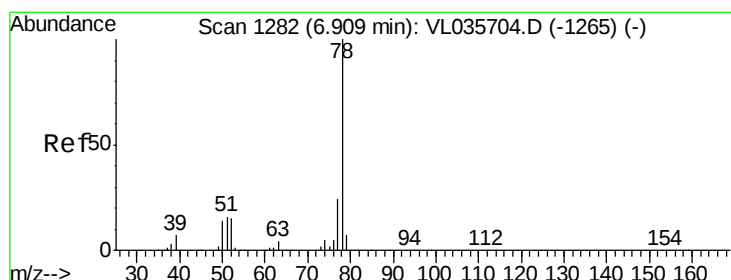
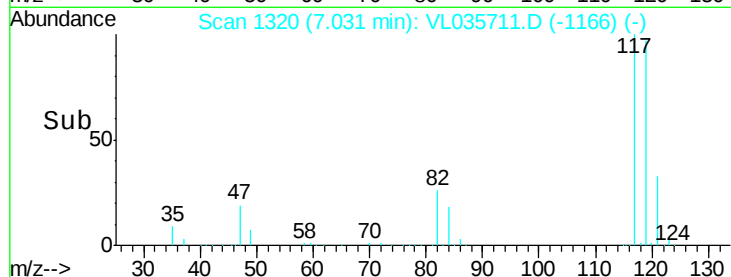
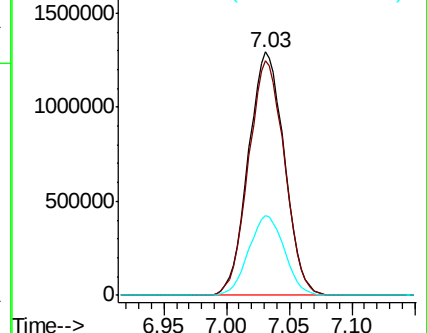
121 32.7 26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.499 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

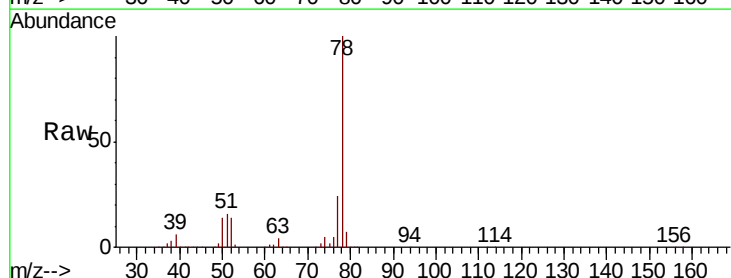
Tgt Ion: 78 Resp: 3322910

Ion Ratio Lower Upper

78 100

77 24.3 19.3 28.9

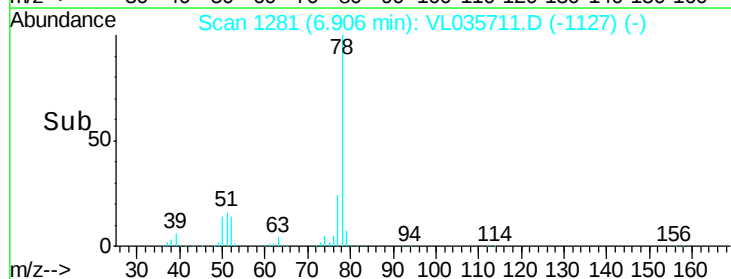
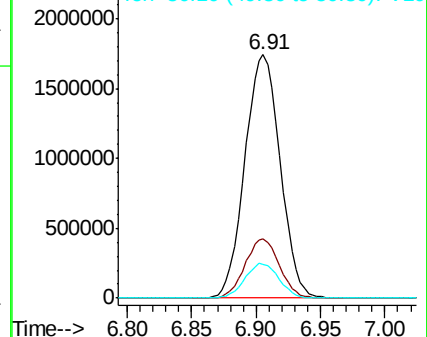
50 13.9 11.6 17.4

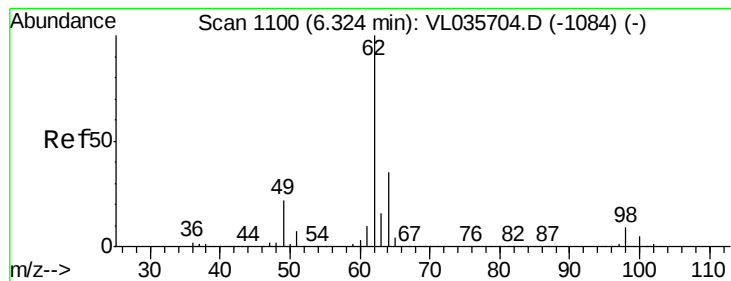


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.814 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

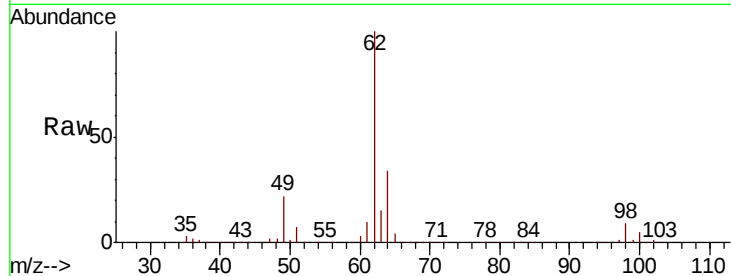
ICVVL092320

Tot Ion: 62 Resp: 1618918

Ion Ratio Lower Upper

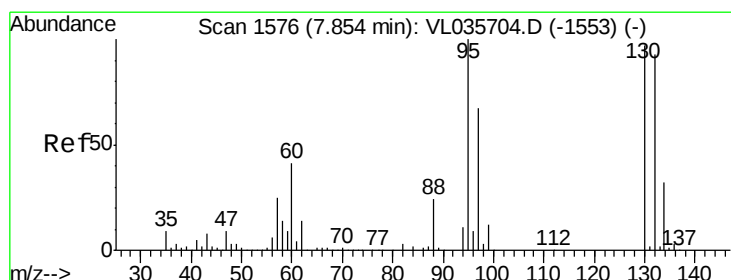
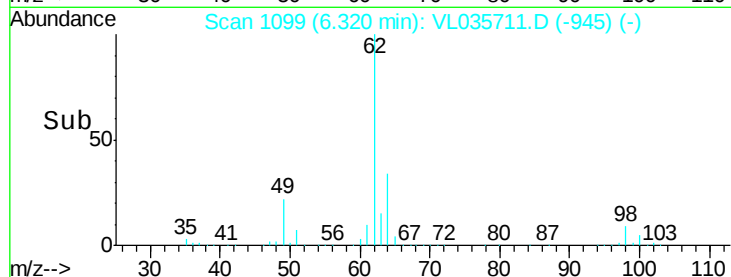
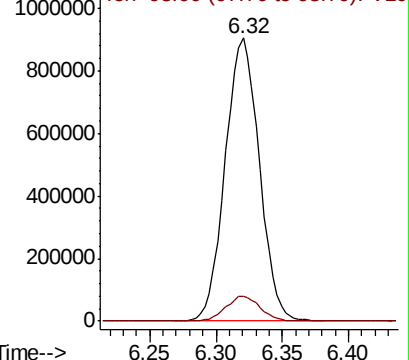
62 100

98 8.7 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.366 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:130 Resp: 1636593

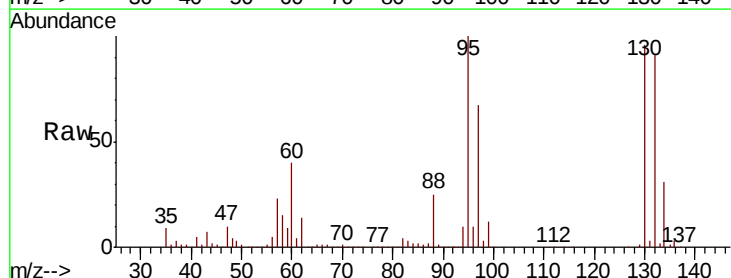
Ion Ratio Lower Upper

130 100

95 104.2 82.4 123.6

132 94.6 76.8 115.2

97 69.5 55.4 83.2

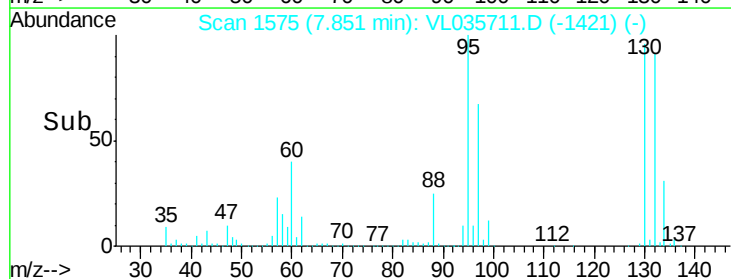
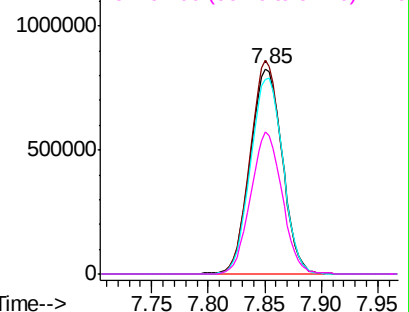


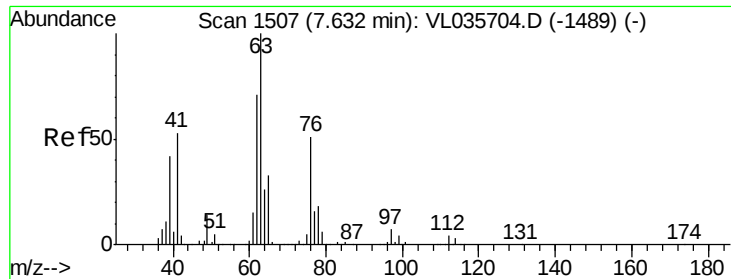
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 10.048 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

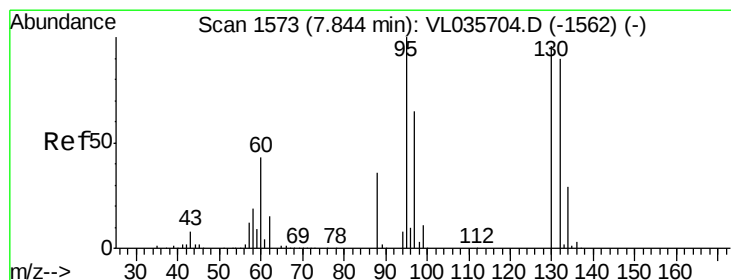
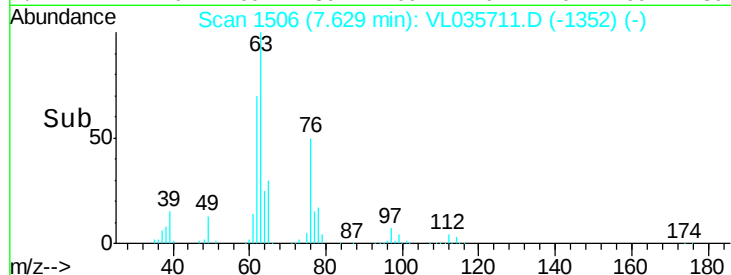
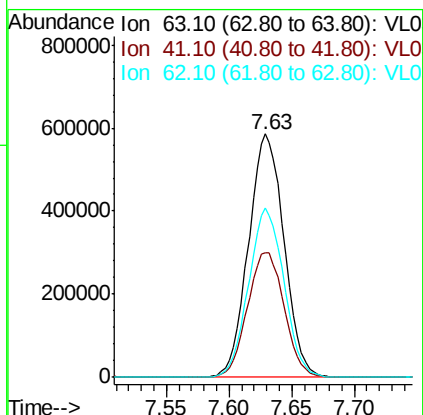
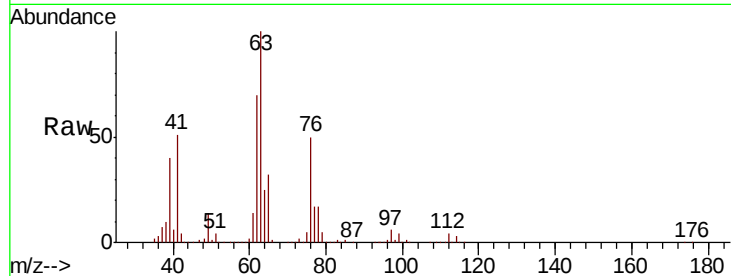
Tot Ion: 63 Resp: 1152706

Ion Ratio Lower Upper

63 100

41 51.2 42.6 63.8

62 69.7 56.5 84.7



#40

1,4-Dioxane

Concen: 10.505 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 88 Resp: 551104

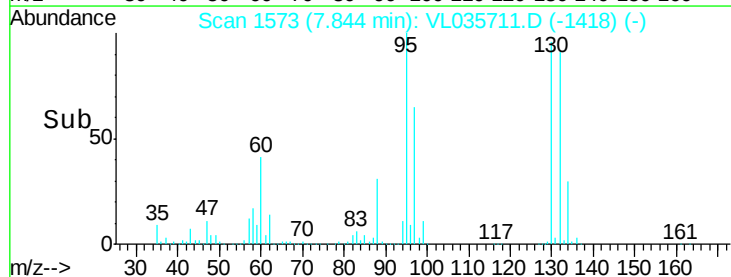
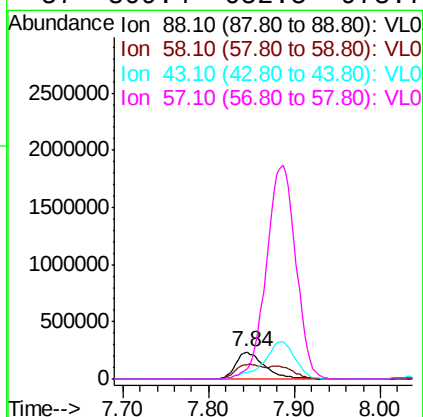
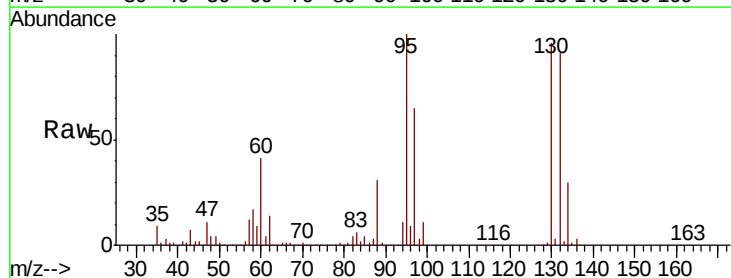
Ion Ratio Lower Upper

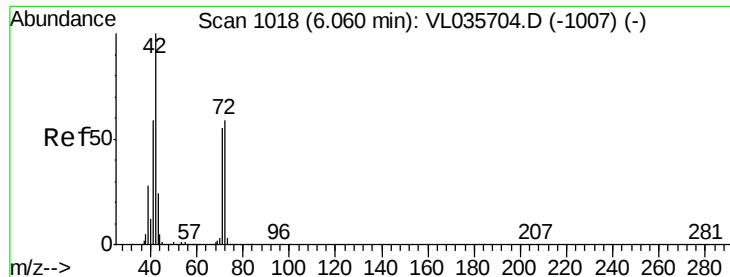
88 100

58 93.6 76.2 114.4

43 150.4 123.4 185.2

57 809.4 652.5 978.7





#41

Tetrahydrofuran

Concen: 11.550 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

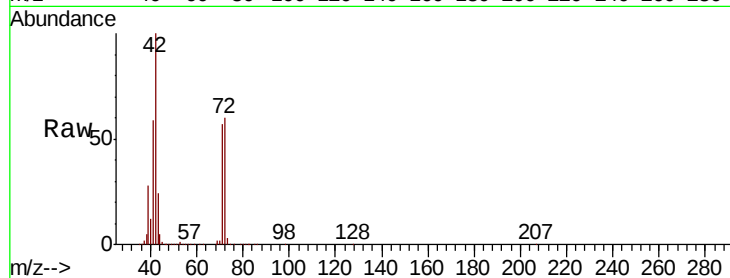
Tot Ion: 42 Resp: 934827

Ion Ratio Lower Upper

42 100

72 58.4 46.2 69.4

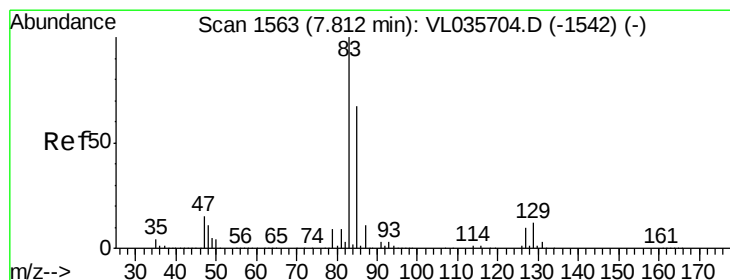
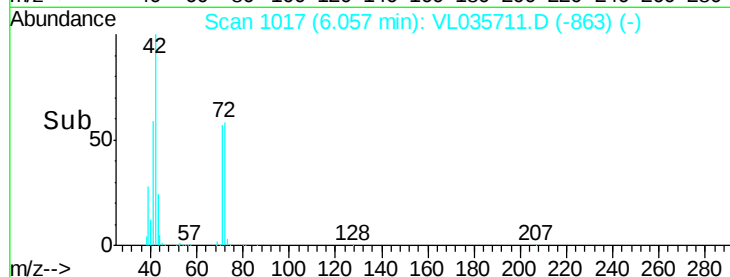
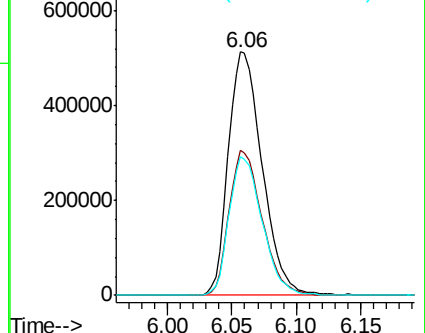
71 56.0 44.2 66.4



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: 10.328 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

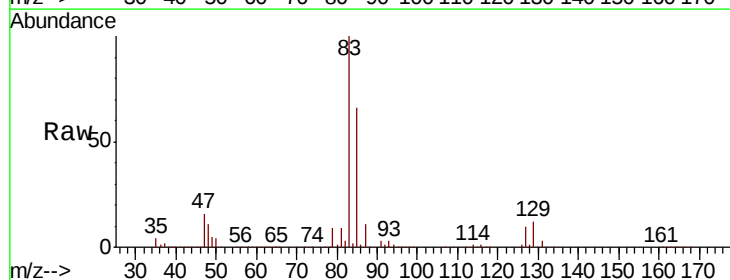
Tgt Ion: 83 Resp: 2744304

Ion Ratio Lower Upper

83 100

85 66.2 53.4 80.0

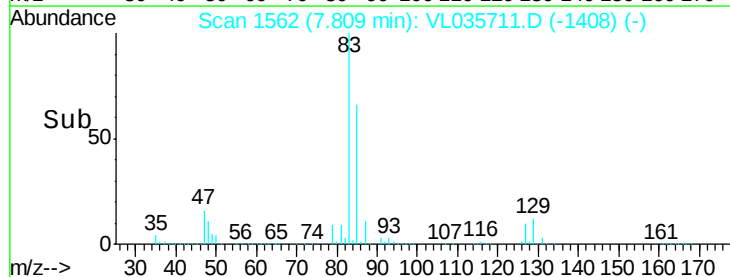
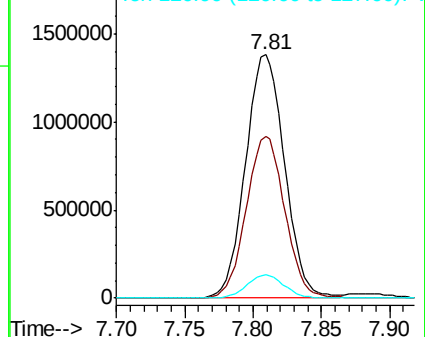
127 9.6 7.8 11.6

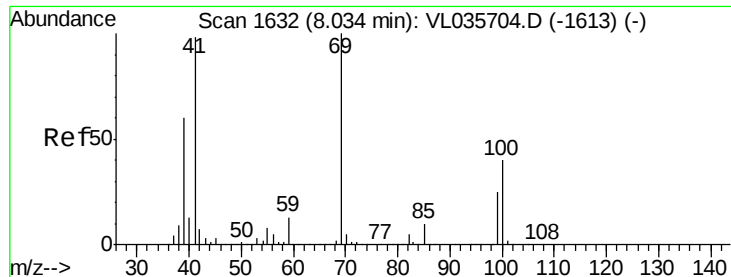


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

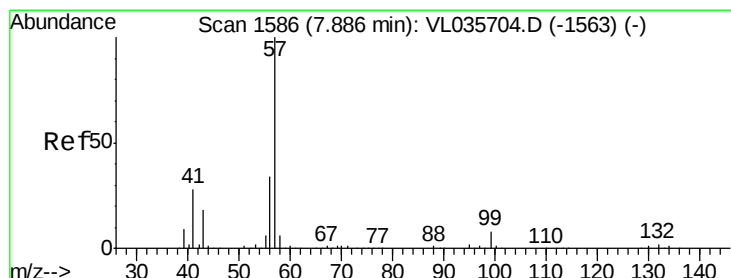
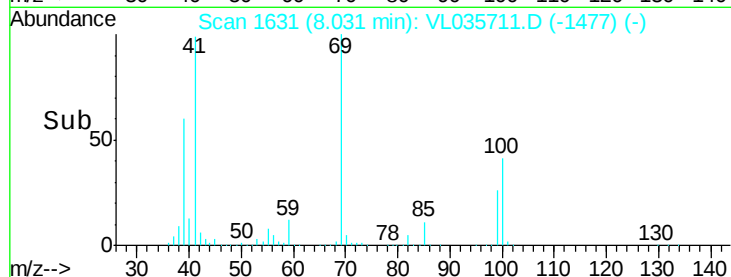
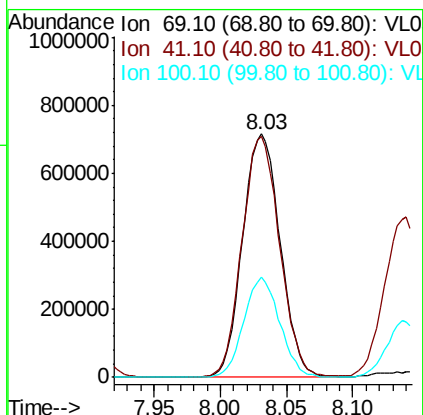
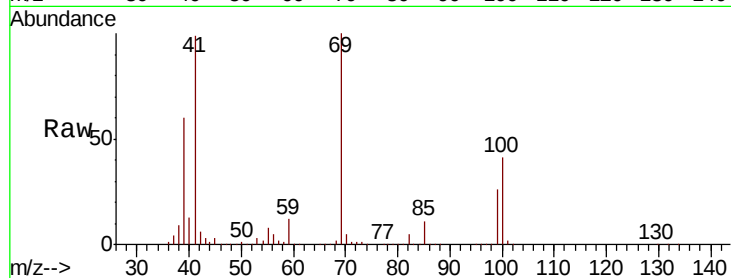




#43
Methvl Methacrvlate
Concen: 11.208 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

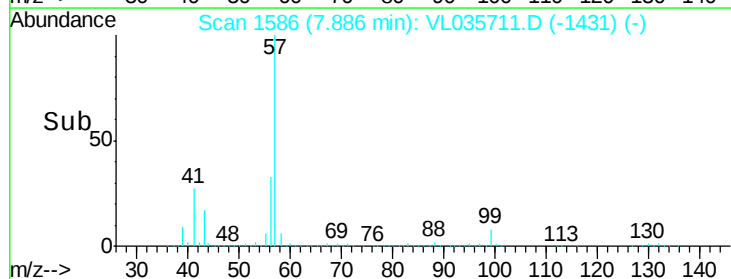
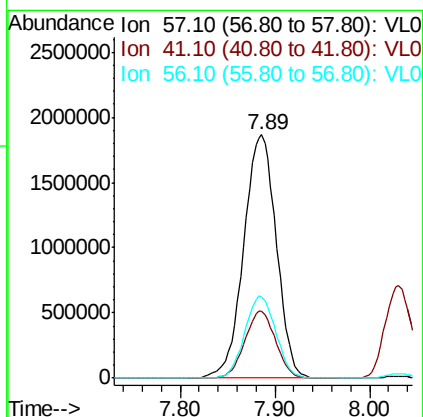
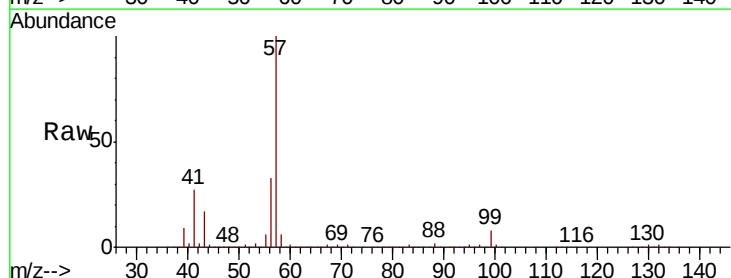
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

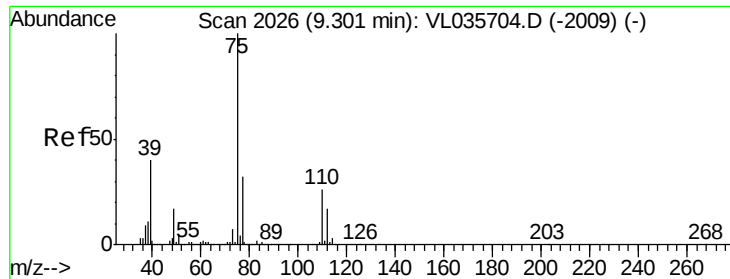
Tot Ion: 69 Resp: 1410757
Ion Ratio Lower Upper
69 100
41 99.1 79.8 119.6
100 39.5 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.817 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 57 Resp: 4458516
Ion Ratio Lower Upper
57 100
41 26.2 21.2 31.8
56 32.0 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 12.415 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

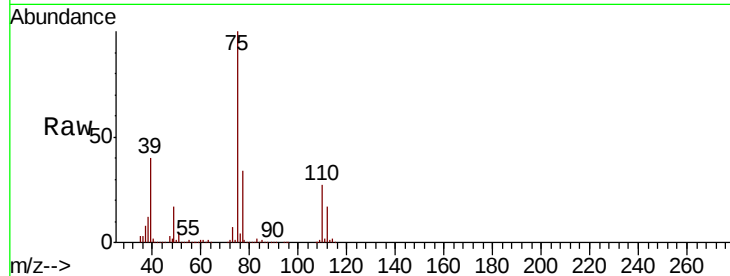
ICVVL092320

Tot Ion: 75 Resp: 1577825

Ion Ratio Lower Upper

75 100

77 34.0 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

800000

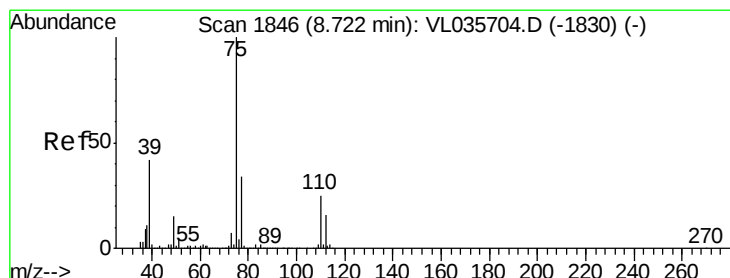
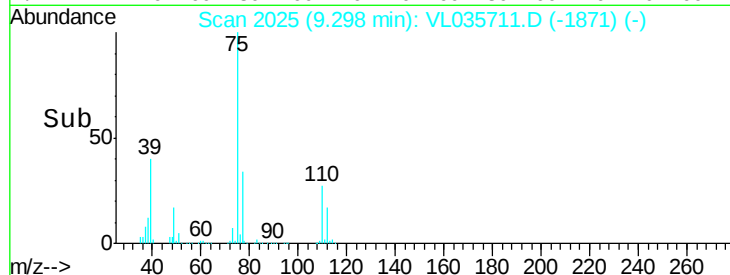
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.045 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

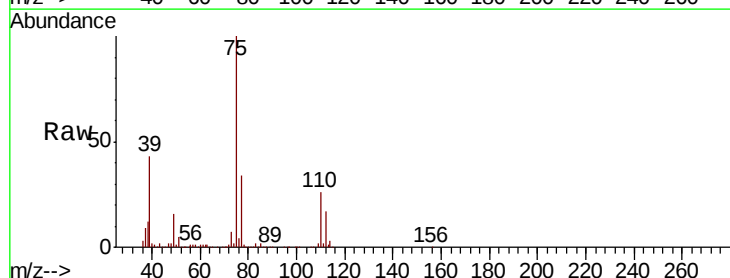
Tgt Ion: 75 Resp: 1886940

Ion Ratio Lower Upper

75 100

39 42.7 33.9 50.9

77 33.8 27.4 41.0



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

1200000

1000000

800000

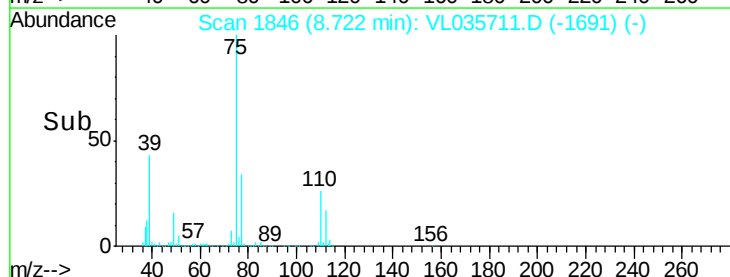
600000

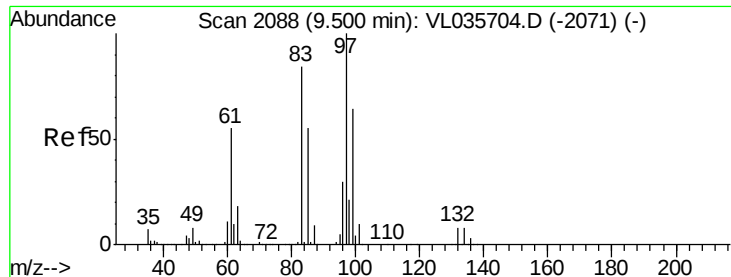
400000

200000

0

Time-->



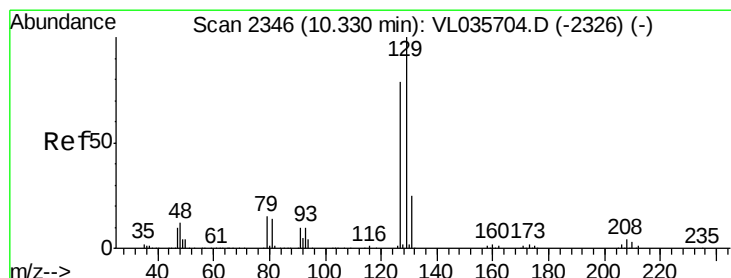
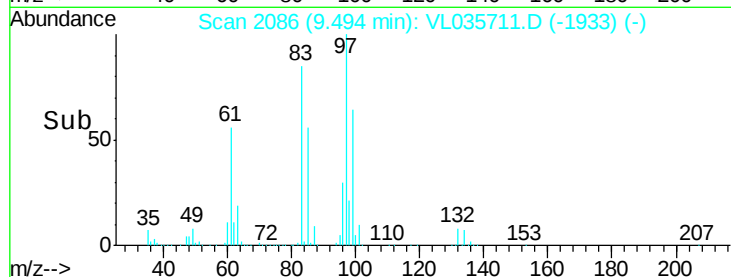
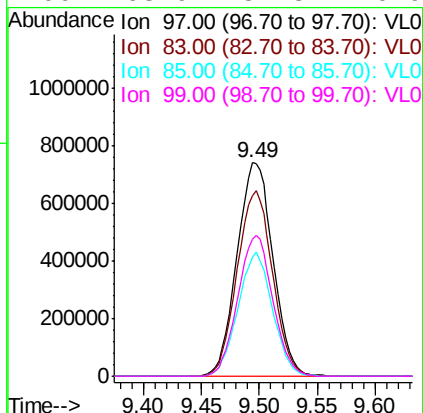
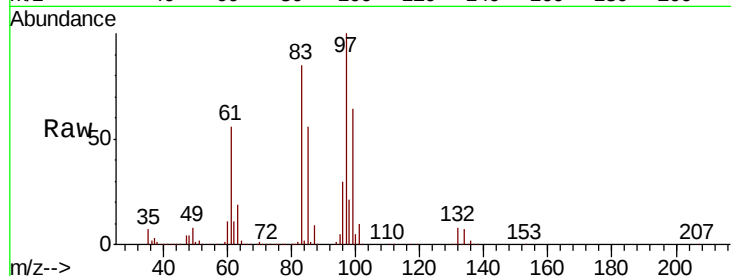


#47
 1,1,2-Trichloroethane
 Concen: 9.717 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion: 97 Resp: 1596640

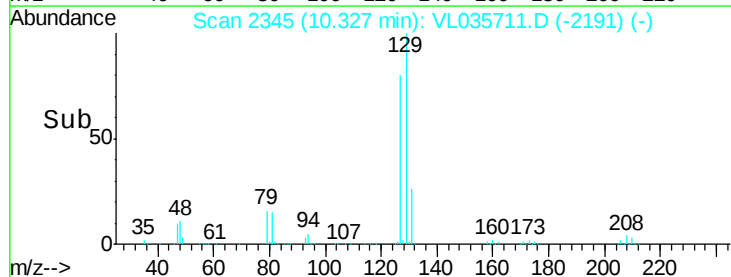
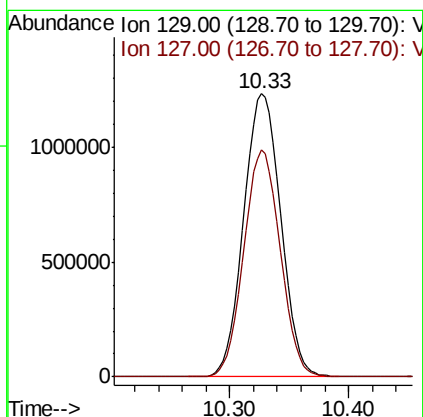
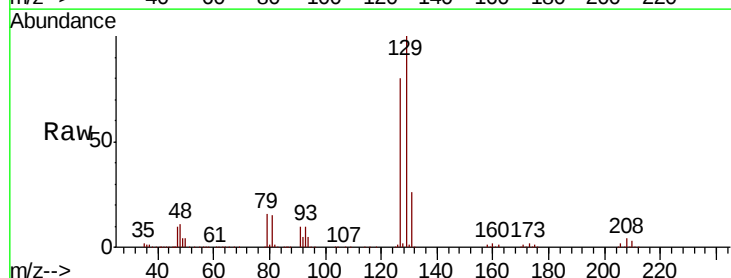
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.1	100.7
85	55.6	43.9	65.9
99	63.9	51.3	76.9

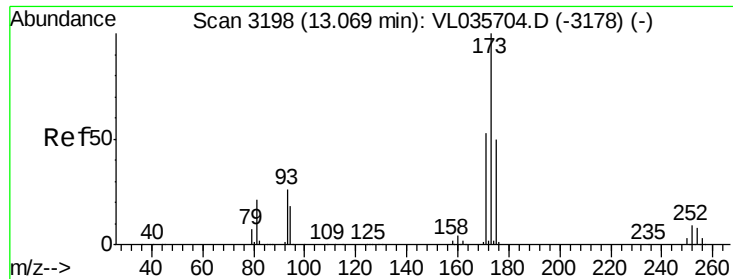


#48
 Dibromochloromethane
 Concen: 10.689 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 129 Resp: 2673121

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.1





#49

Bromoform

Concen: 11.063 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

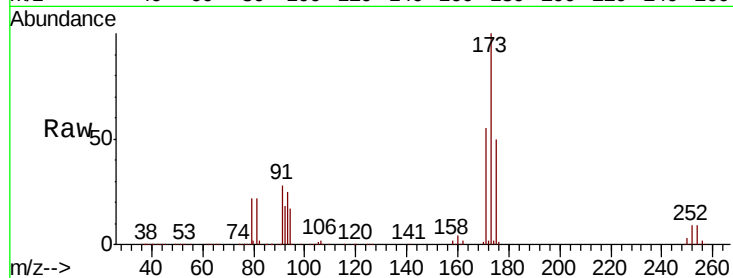
Tot Ion:173 Resp: 2347587

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.6

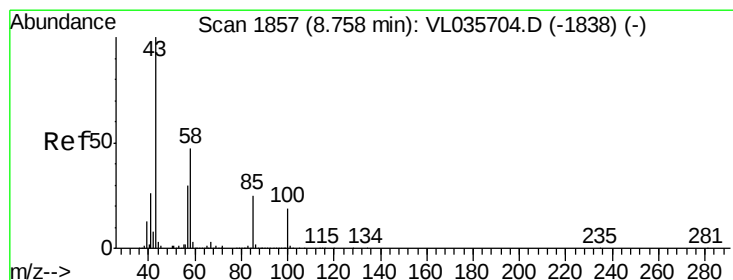
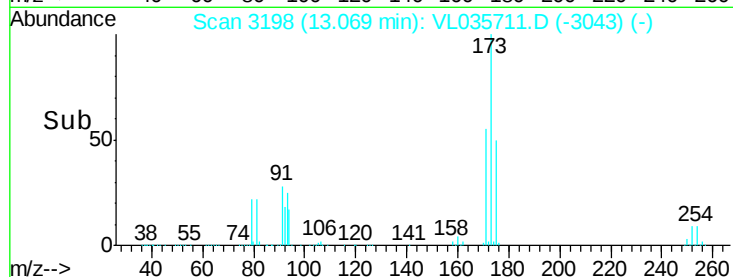
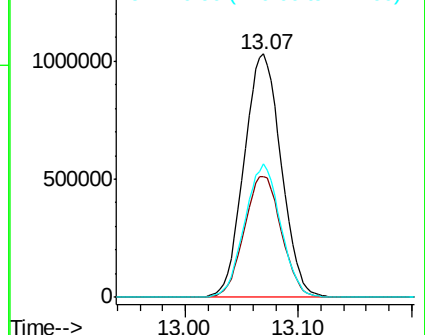
171 53.3 42.8 64.2



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: 10.217 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VL035711.D

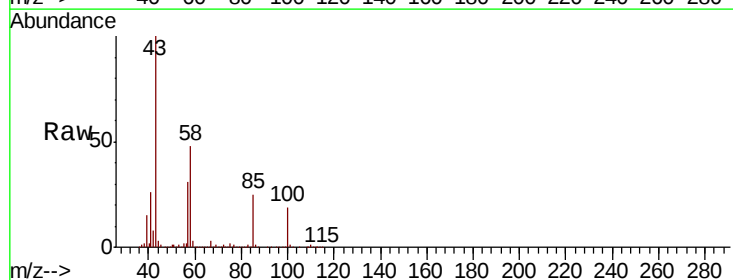
Acq: 23 Sep 2020 7:49

Tgt Ion: 43 Resp: 2397575

Ion Ratio Lower Upper

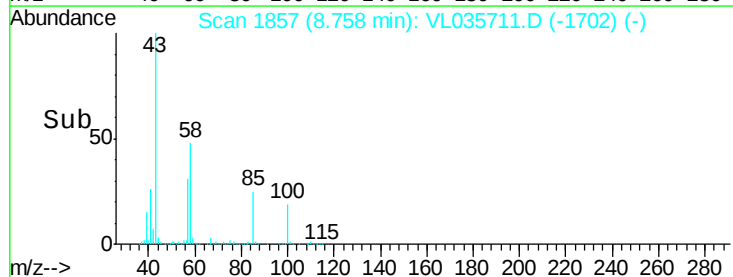
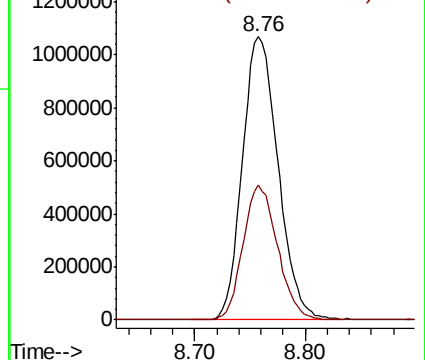
43 100

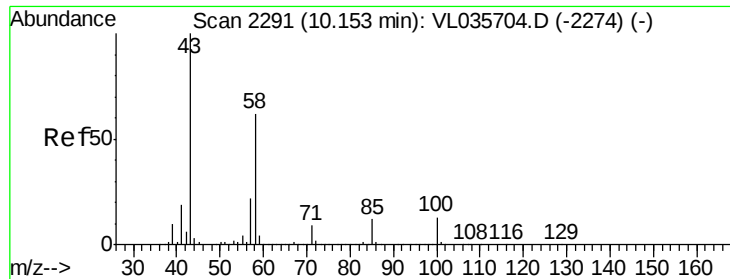
58 46.1 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

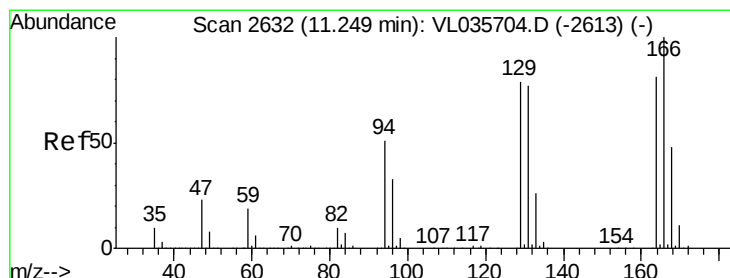
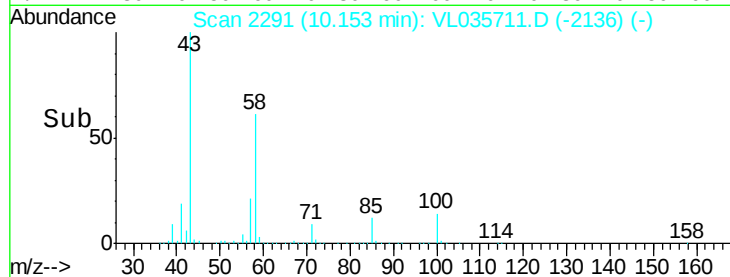
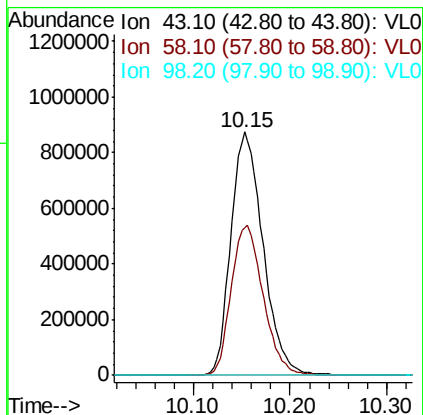
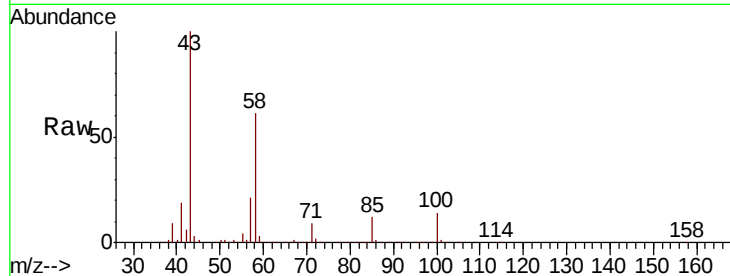




#51
2-Hexanone
Concen: 10.685 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

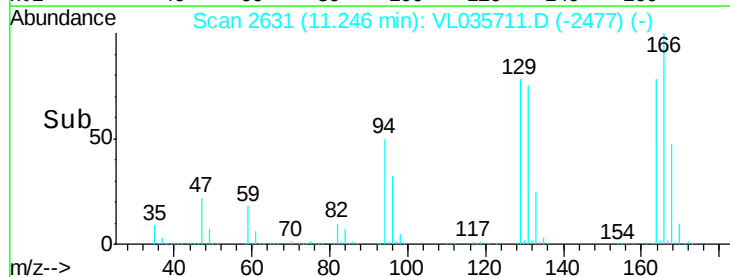
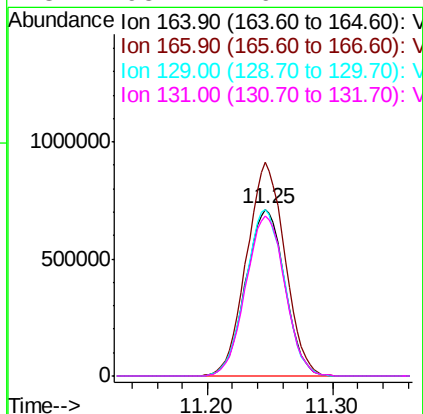
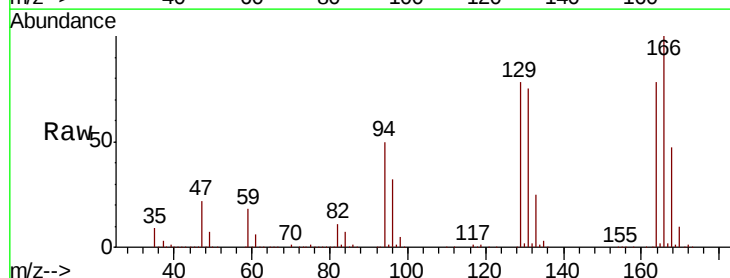
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

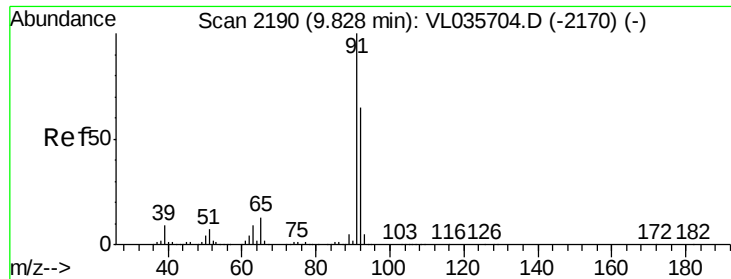
Tot Ion: 43 Resp: 2020078
Ion Ratio Lower Upper
43 100
58 61.5 48.7 73.1
98 0.5 0.7 1.1#



#52
Tetrachloroethene
Concen: 10.094 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 164 Resp: 1536358
Ion Ratio Lower Upper
164 100
166 128.0 98.7 148.1
129 99.7 78.4 117.6
131 95.7 76.2 114.2





#53

Toluene

Concen: 11.043 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

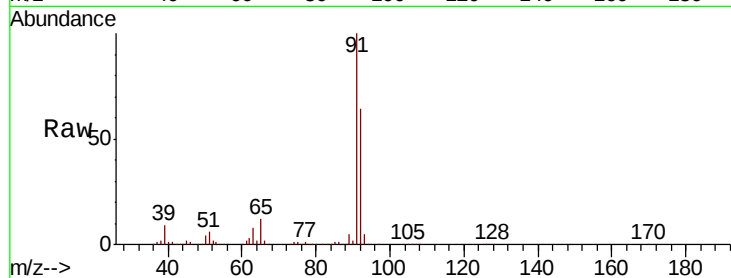
ICVVL092320

Tot Ion: 91 Resp: 4121516

Ion Ratio Lower Upper

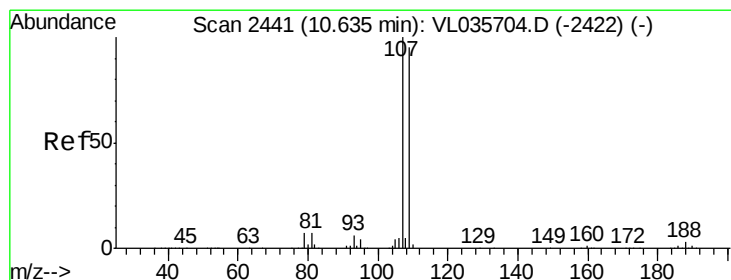
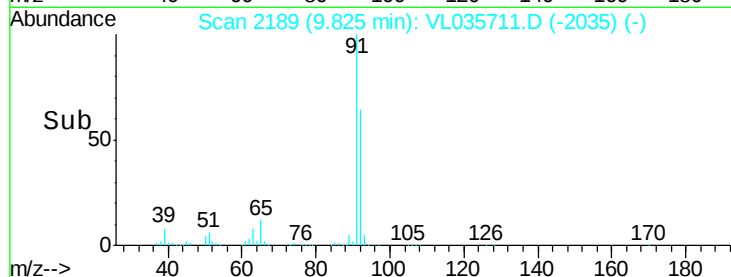
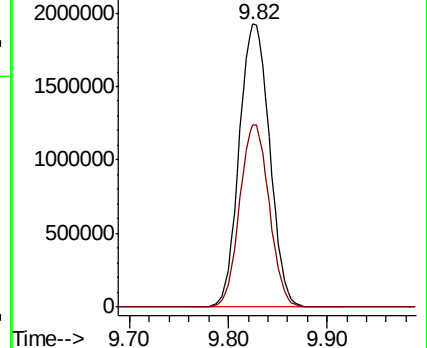
91 100

92 62.6 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.186 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL035711.D

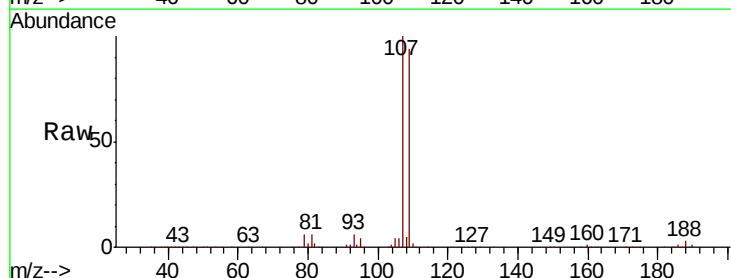
Acq: 23 Sep 2020 7:49

Tgt Ion:107 Resp: 2506101

Ion Ratio Lower Upper

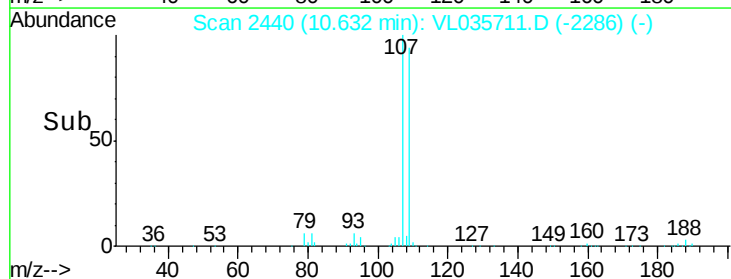
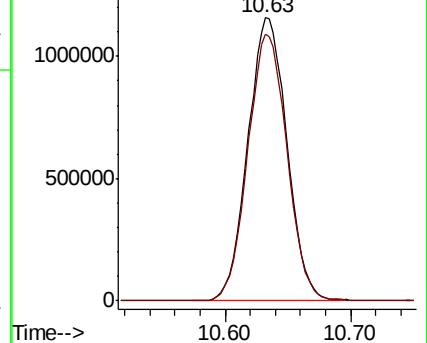
107 100

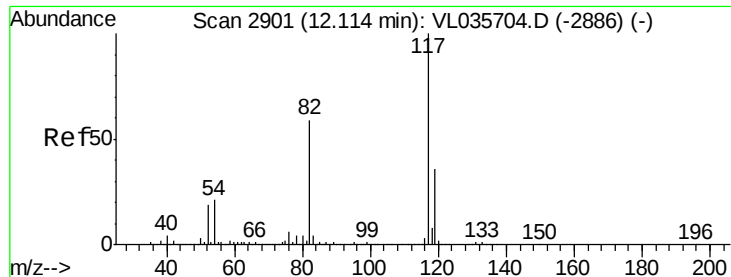
109 94.0 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

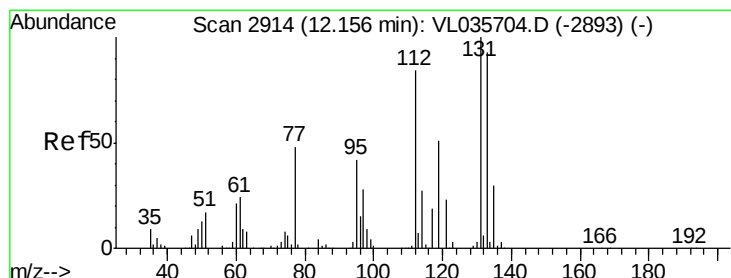
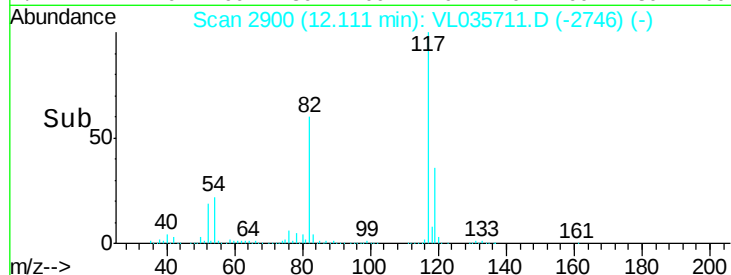
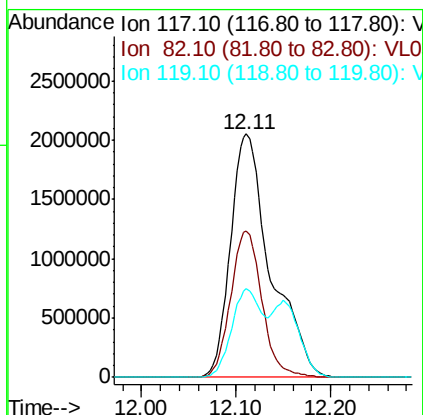
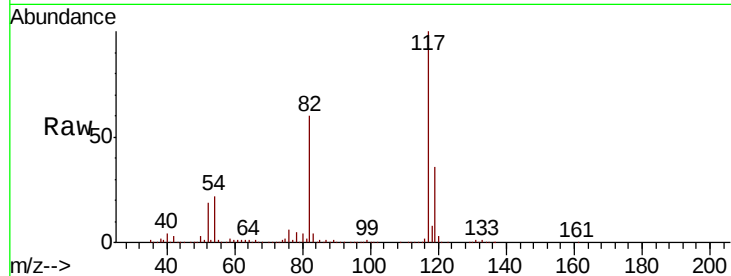




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

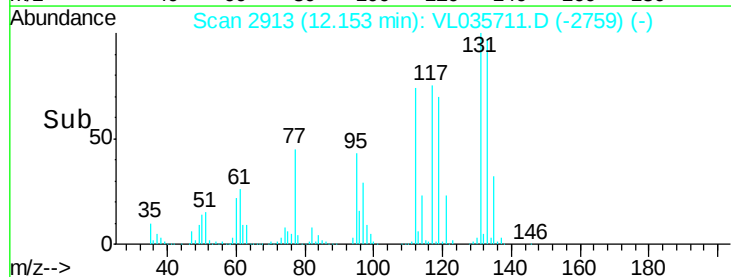
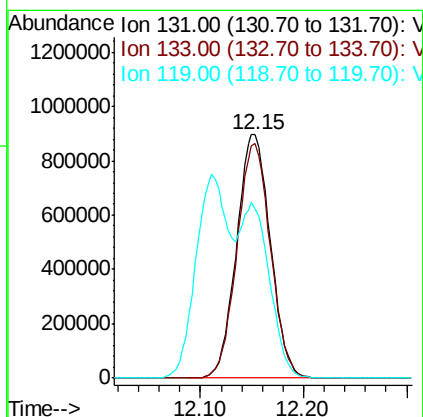
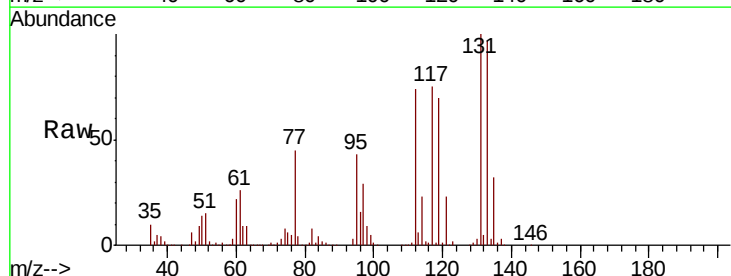
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

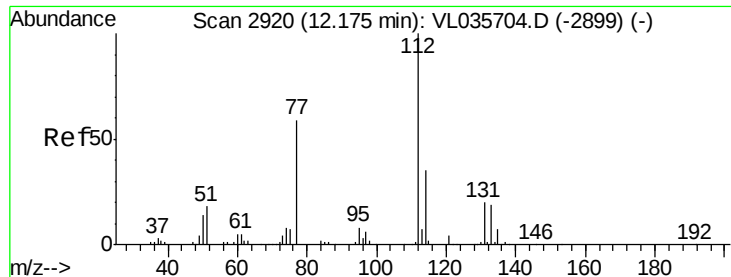
Tot Ion:117 Resp: 6054712
Ion Ratio Lower Upper
117 100
82 47.0 46.1 69.1
119 28.1 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.047 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion:131 Resp: 2043031
Ion Ratio Lower Upper
131 100
133 95.6 76.2 114.4
119 58.4 52.4 78.6

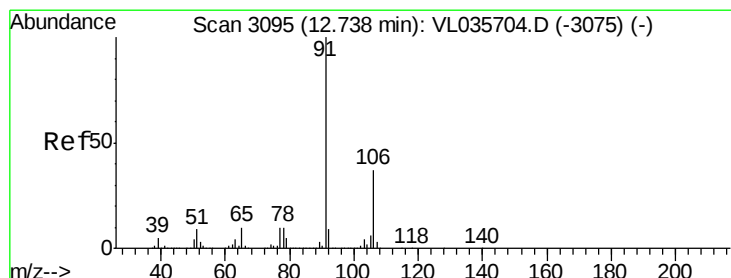
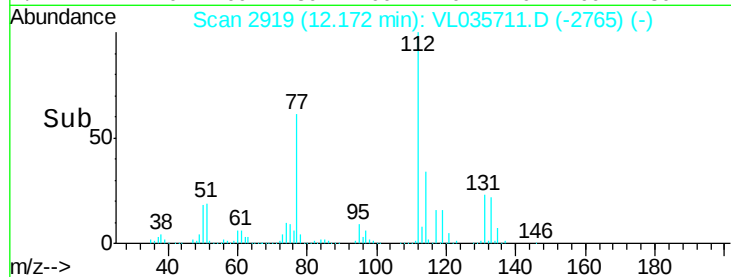
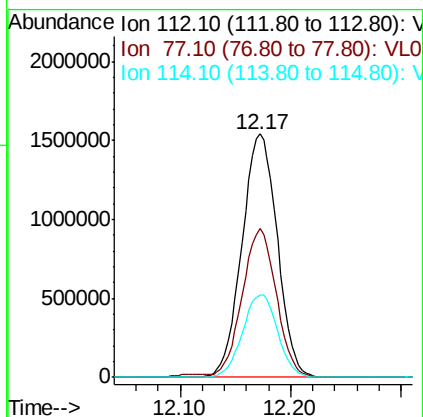
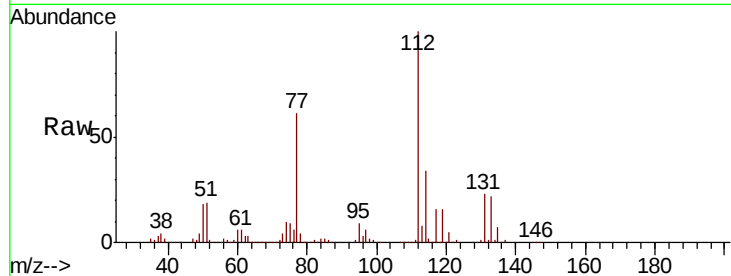




#57
Chlorobenzene
Concen: 7.476 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

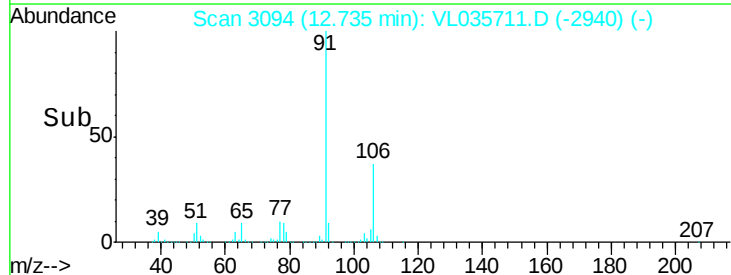
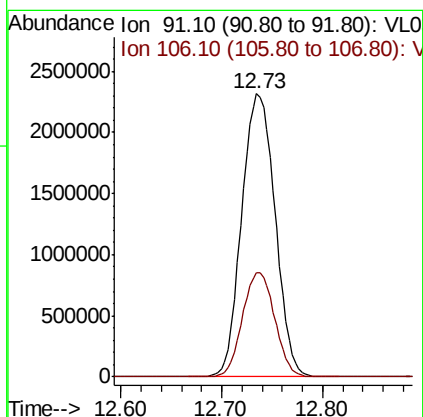
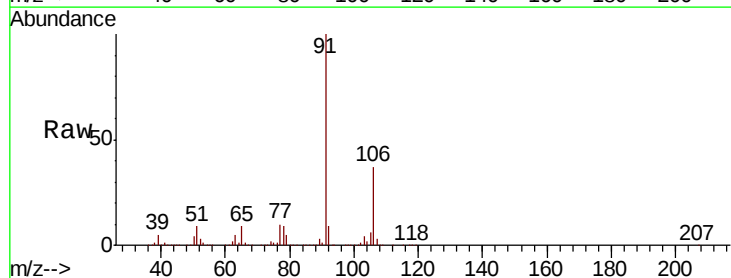
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

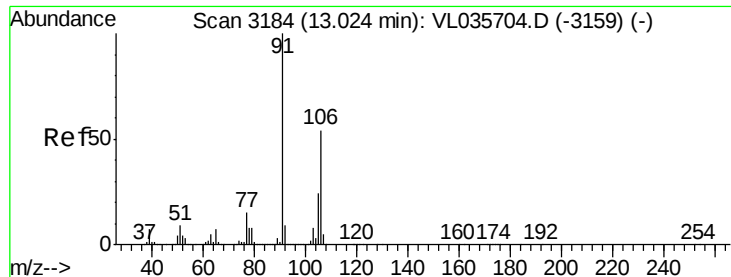
Tot Ion:112 Resp: 3418929
Ion Ratio Lower Upper
112 100
77 61.0 48.2 72.2
114 33.8 31.9 39.1



#58
Ethyl Benzene
Concen: 8.737 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 5309498
Ion Ratio Lower Upper
91 100
106 37.0 29.7 44.5





#59

m/p-Xylene

Concen: 8.993 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

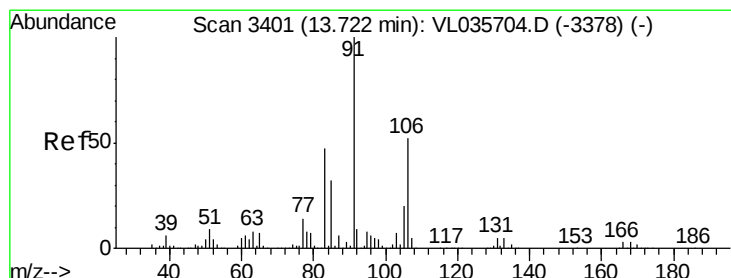
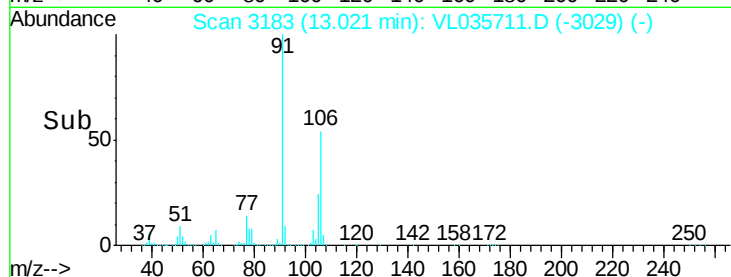
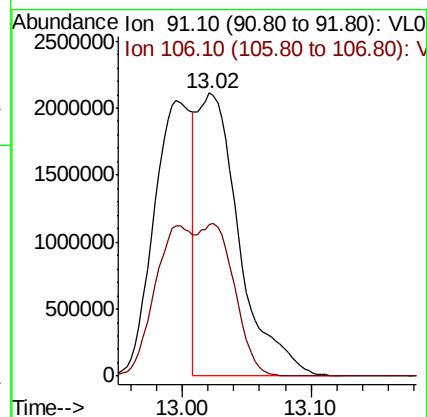
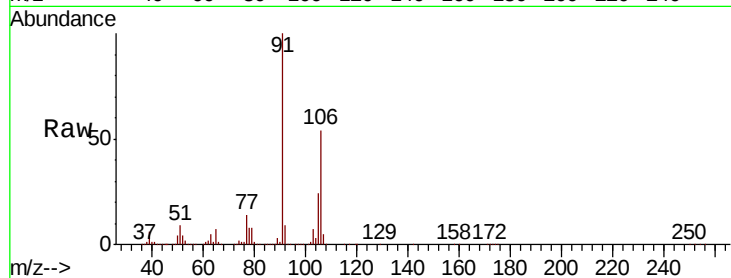
ICVVL092320

Tot Ion: 91 Resp: 4772865

Ion Ratio Lower Upper

91 100

106 94.9 41.4 62.0#



#60

o-Xylene

Concen: 8.180 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL035711.D

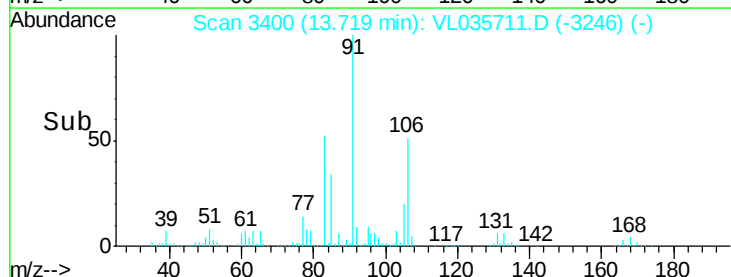
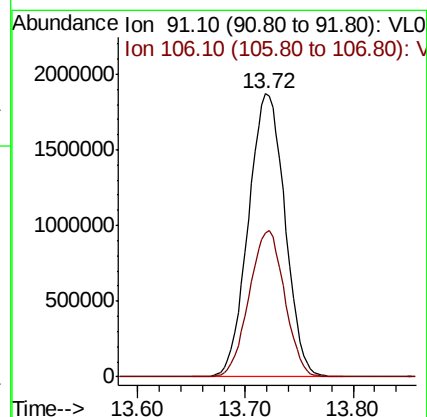
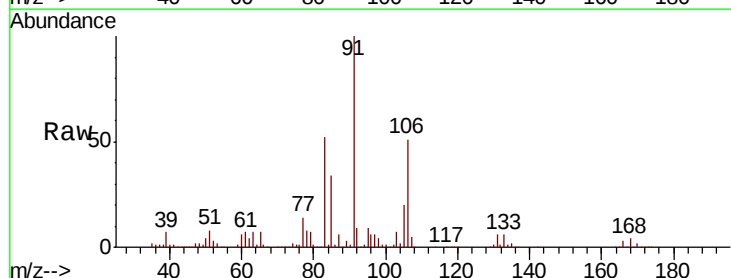
Acq: 23 Sep 2020 7:49

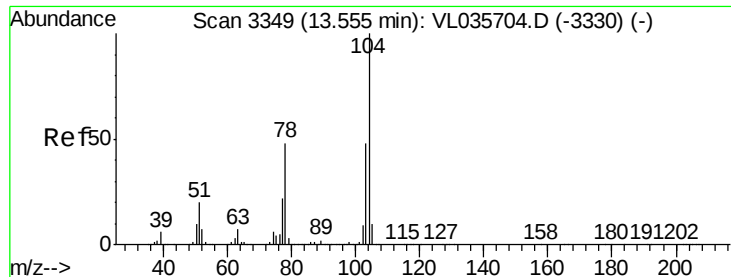
Tgt Ion: 91 Resp: 4391564

Ion Ratio Lower Upper

91 100

106 50.4 25.0 75.0

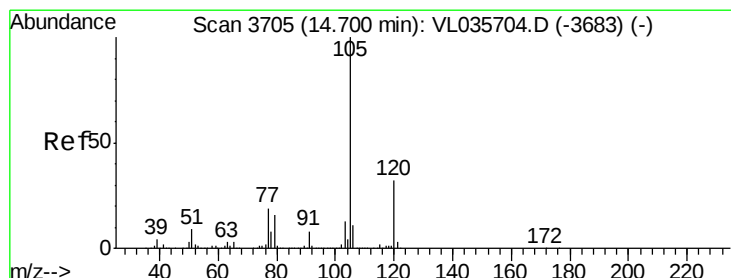
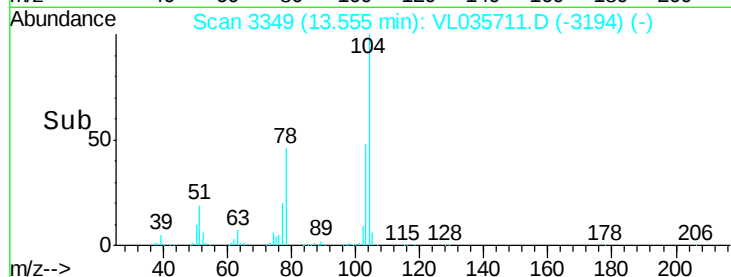
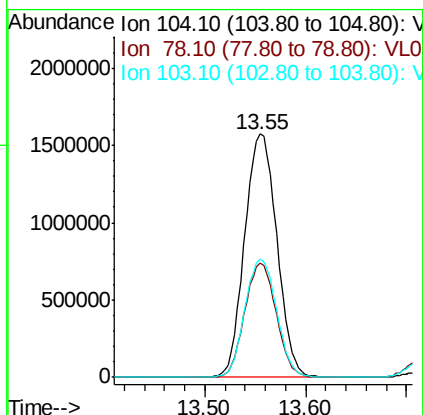
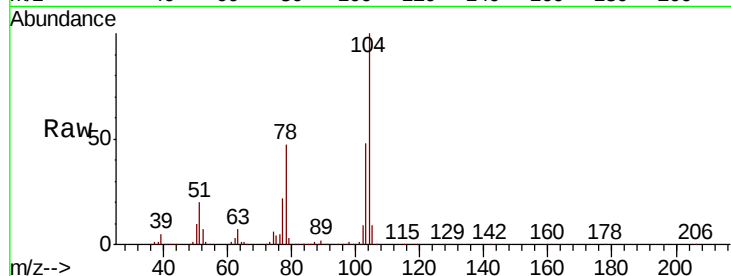




#61
Stvrene
Concen: 9.391 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

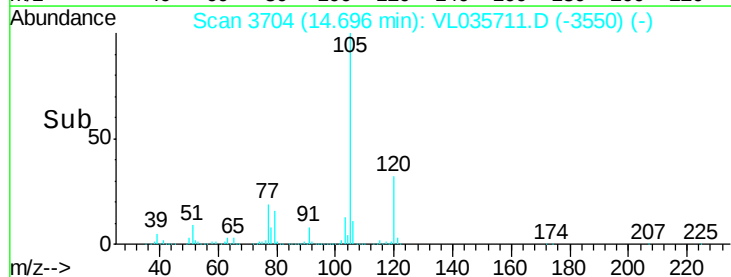
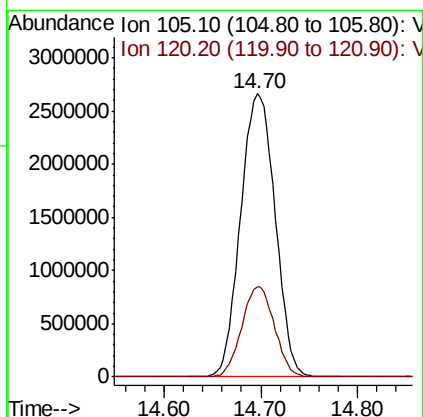
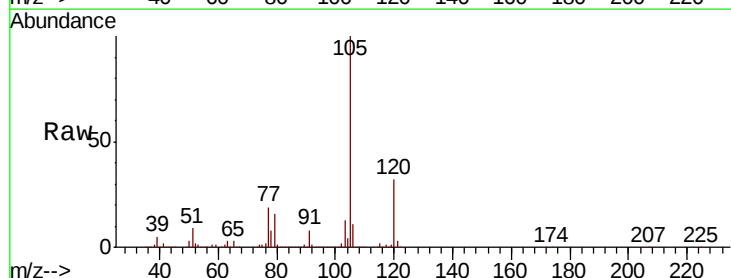
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

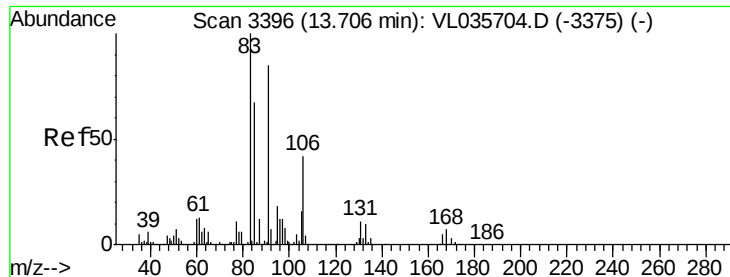
Tot Ion:104 Resp: 3486186
Ion Ratio Lower Upper
104 100
78 45.9 37.2 55.8
103 47.9 38.2 57.2



#62
Isopropylbenzene
Concen: 7.934 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion:105 Resp: 6606381
Ion Ratio Lower Upper
105 100
120 30.1 24.1 36.1

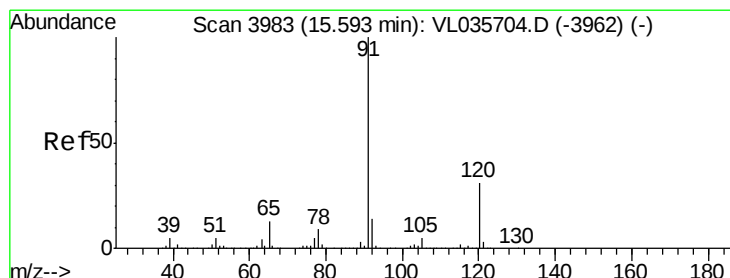
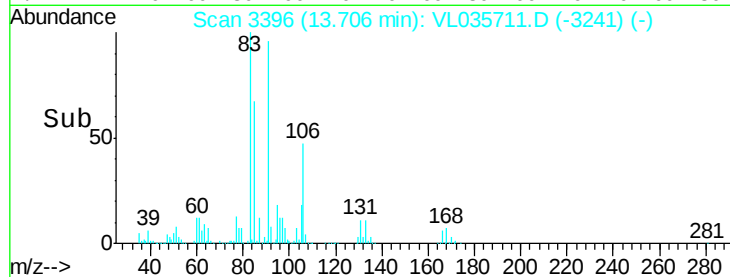
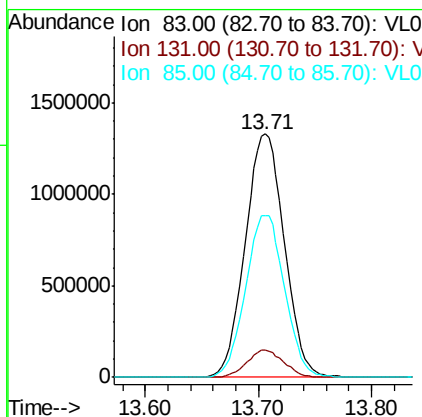
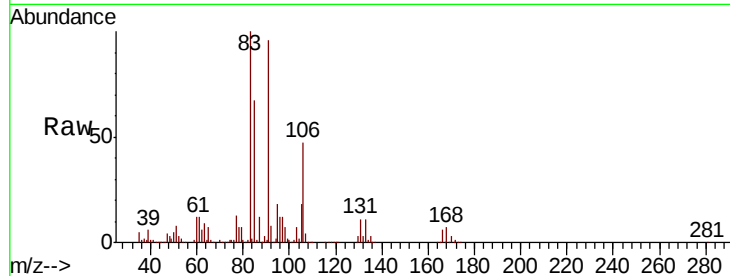




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.261 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

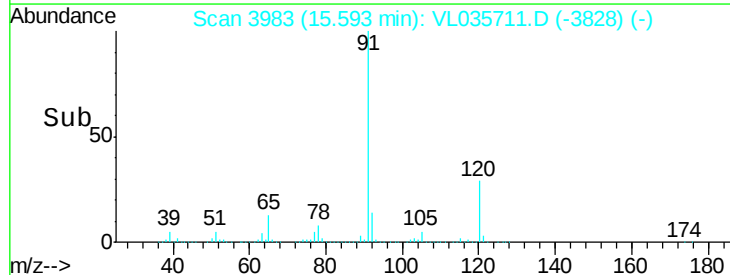
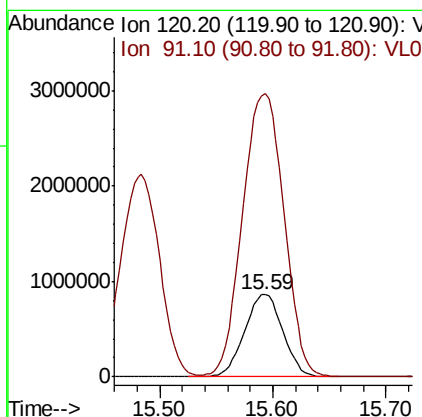
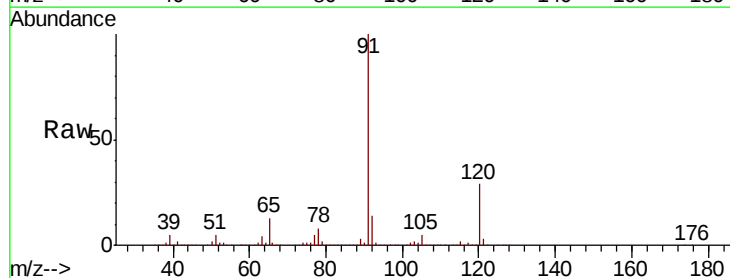
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

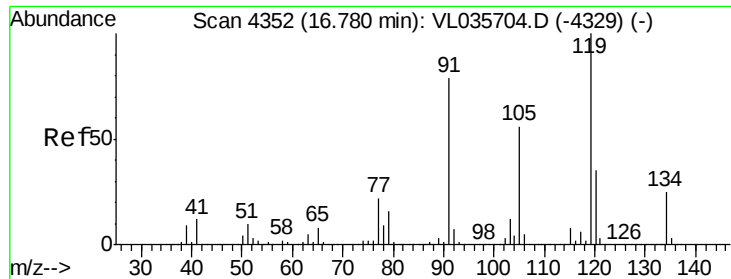
Tot Ion: 83 Resp: 3196503
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.3 16.1
 85 66.5 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.337 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion:120 Resp: 2031767
 Ion Ratio Lower Upper
 120 100
 91 374.2 300.4 450.6

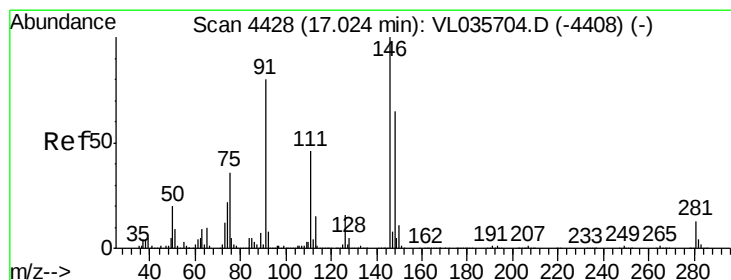
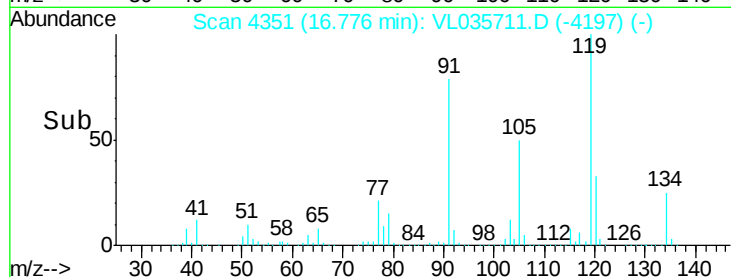
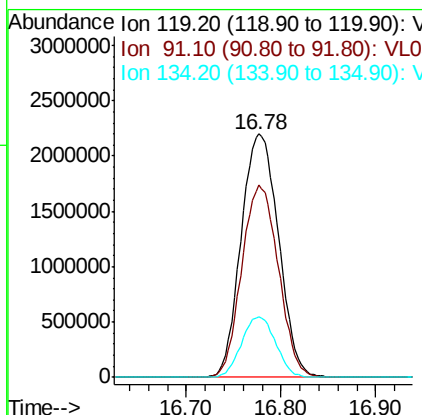
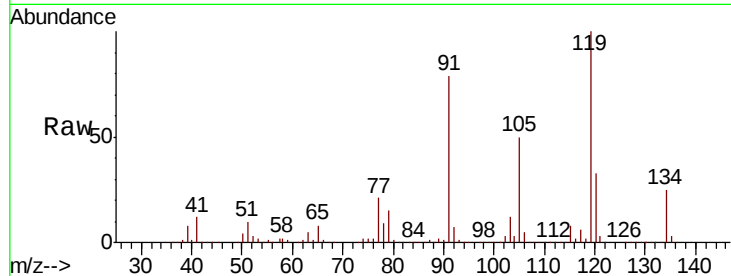




#65
tert-Butylbenzene
Concen: 7.983 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

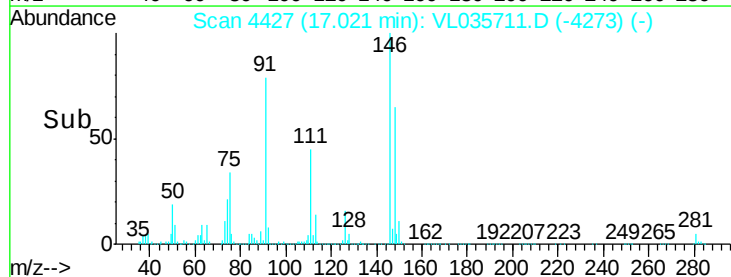
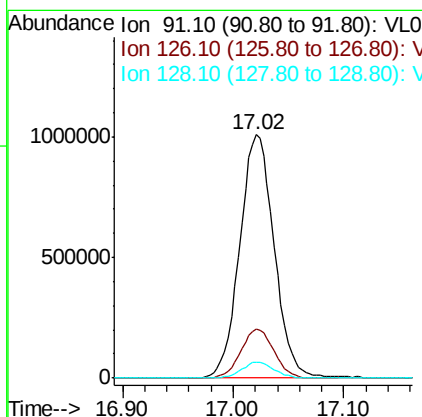
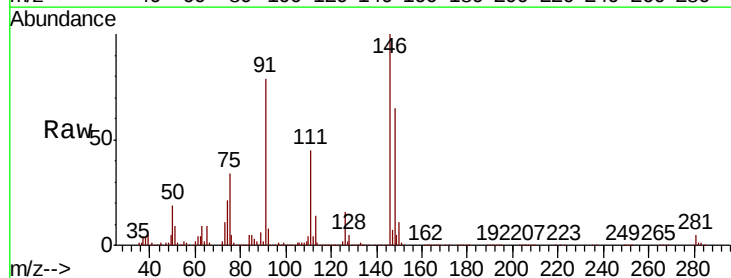
Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

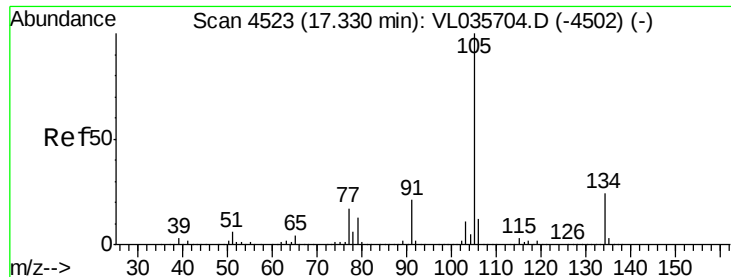
Tot Ion:119 Resp: 6043441
Ion Ratio Lower Upper
119 100
91 77.4 62.4 93.6
134 22.7 18.2 27.2



#66
Benzyl Chloride
Concen: 9.483 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 2175244
Ion Ratio Lower Upper
91 100
126 19.4 15.3 22.9
128 6.3 5.0 7.4





#67

sec-Butylbenzene

Concen: 7.687 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

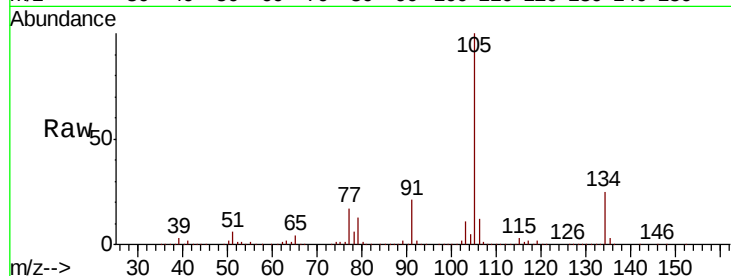
ICVVL092320

Tot Ion:105 Resp: 8036952

Ion Ratio Lower Upper

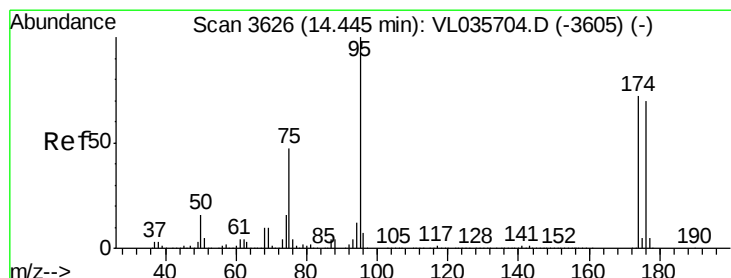
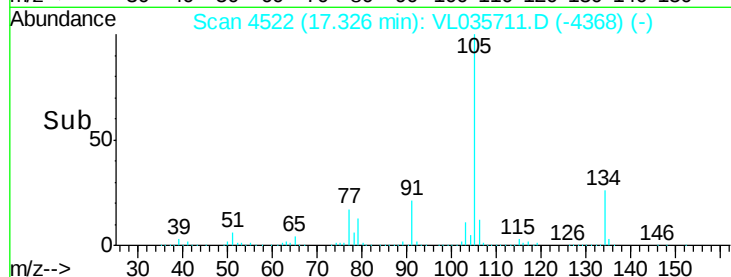
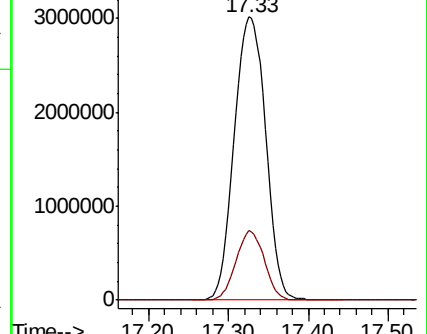
105 100

134 22.1 17.6 26.4



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: 8.085 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

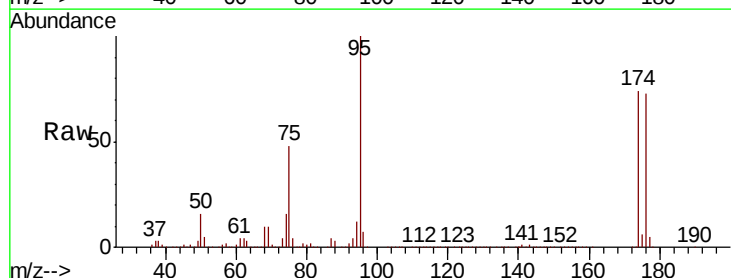
Tgt Ion: 95 Resp: 3668254

Ion Ratio Lower Upper

95 100

174 74.7 59.6 89.4

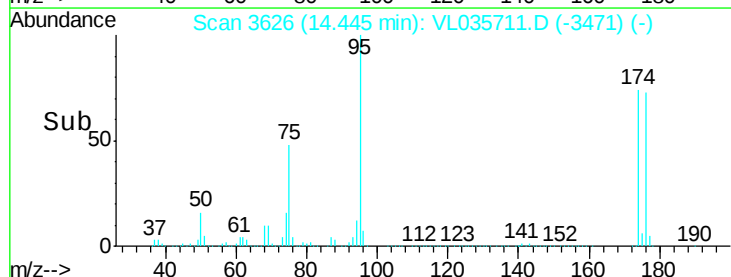
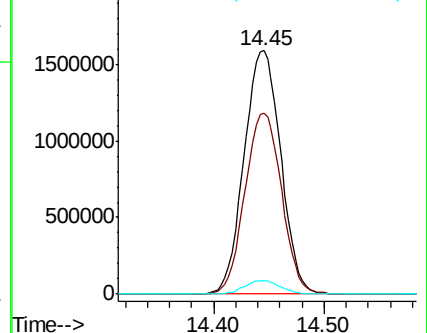
175 5.4 4.2 6.4

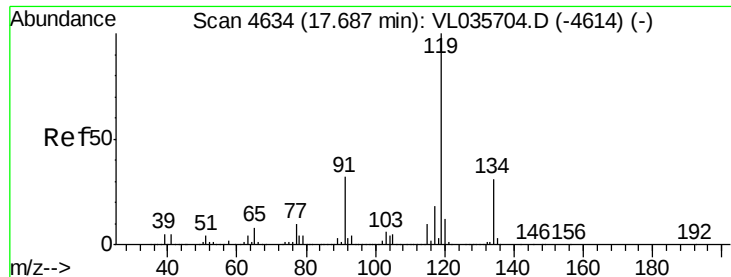


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

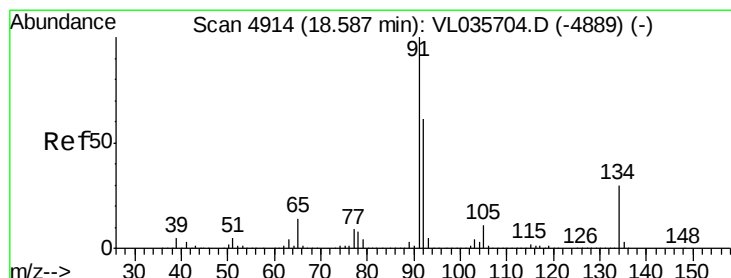
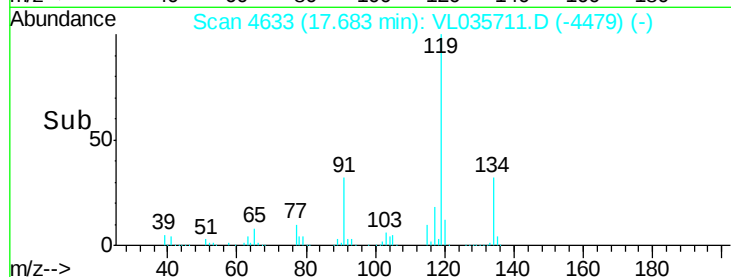
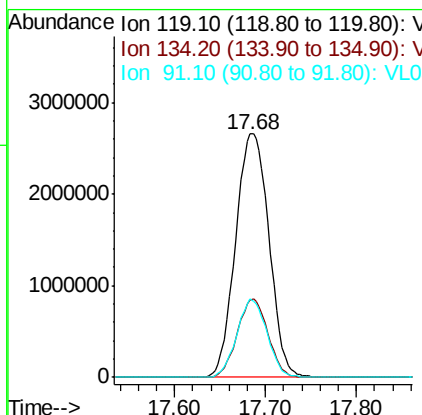
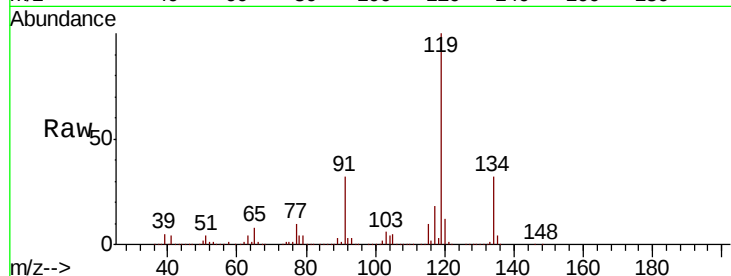




#69
 p-Isopropyltoluene
 Concen: 7.962 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

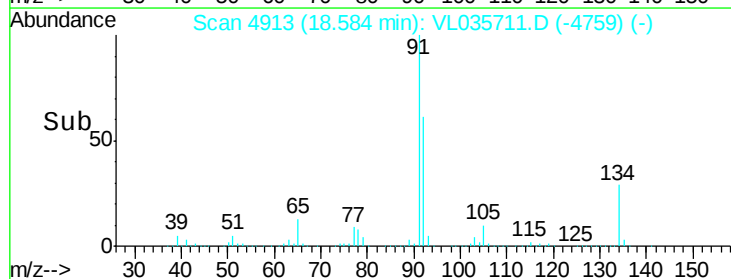
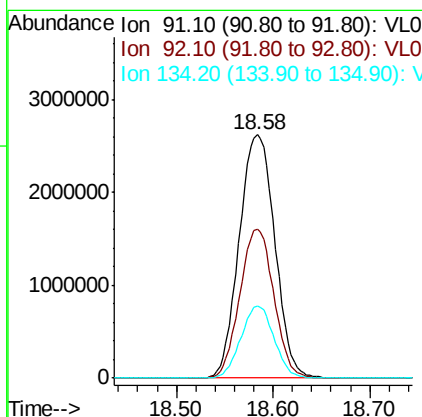
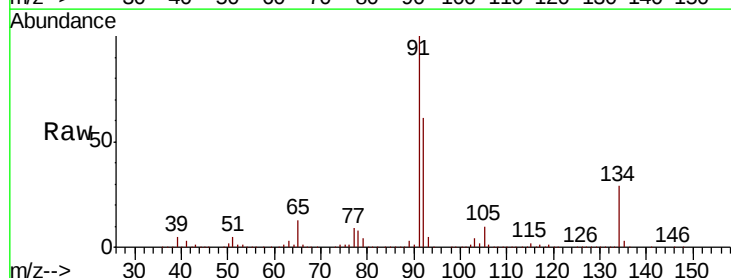
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

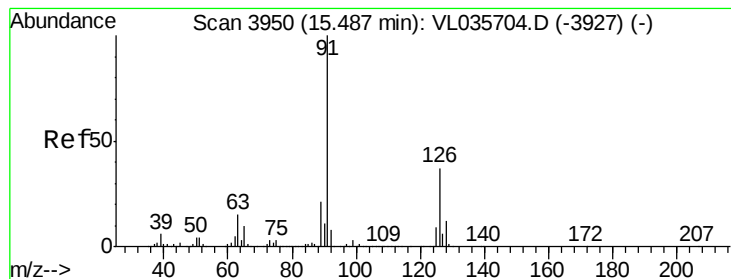
Tot Ion:119 Resp: 6772129
 Ion Ratio Lower Upper
 119 100
 134 29.7 23.9 35.9
 91 29.1 23.8 35.6



#70
 n-Butylbenzene
 Concen: 7.646 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 6697357
 Ion Ratio Lower Upper
 91 100
 92 58.7 47.0 70.4
 134 27.5 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.325 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

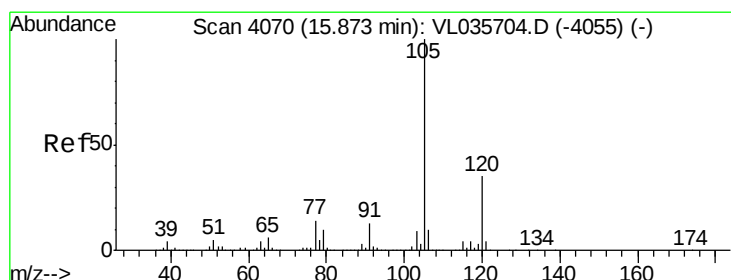
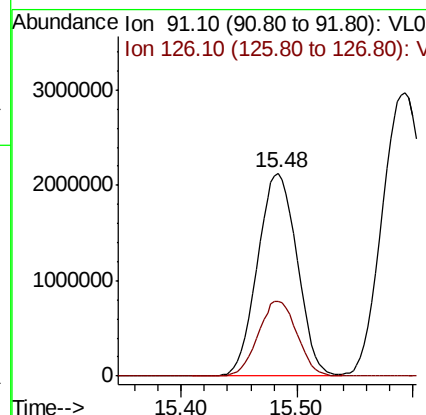
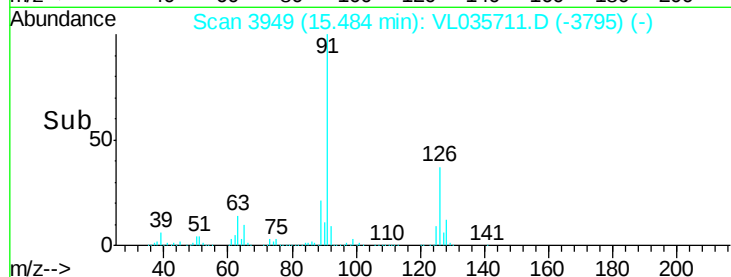
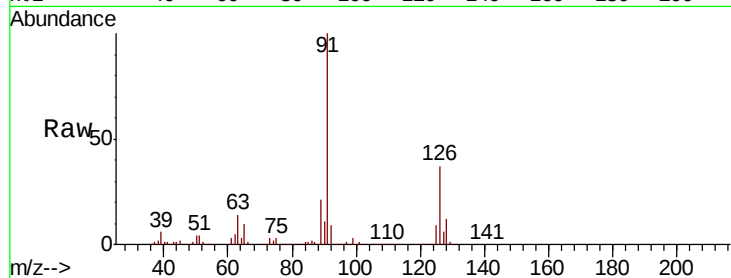
ICVVL092320

Tot Ion: 91 Resp: 5056637

Ion Ratio Lower Upper

91 100

126 36.1 14.4 57.4



#72

4-Ethyltoluene

Concen: 8.432 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:105 Resp: 5362347

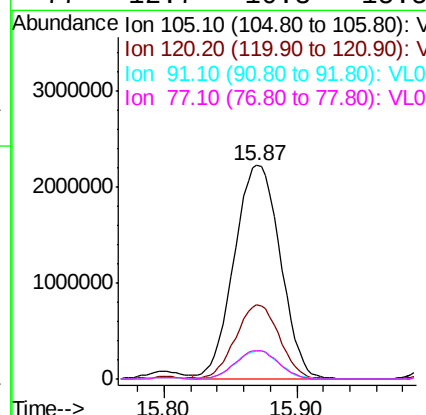
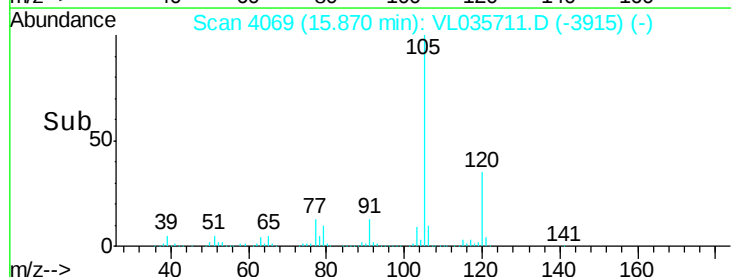
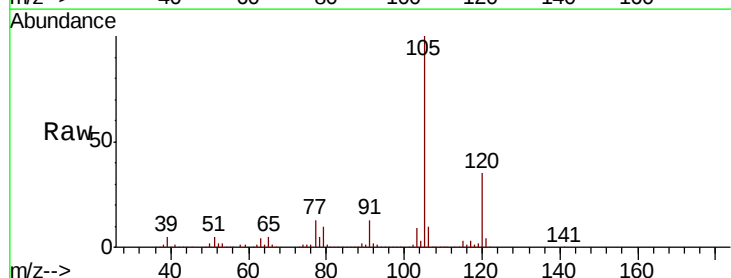
Ion Ratio Lower Upper

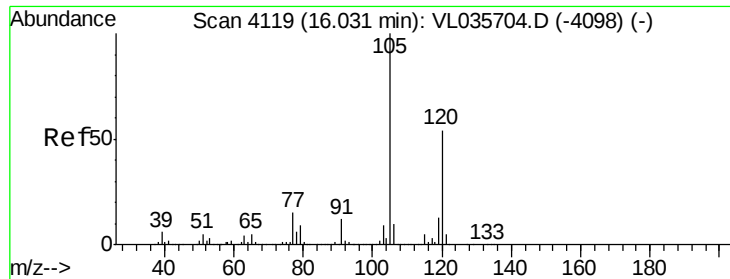
105 100

120 33.1 26.5 39.7

91 12.6 10.2 15.2

77 12.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 8.279 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

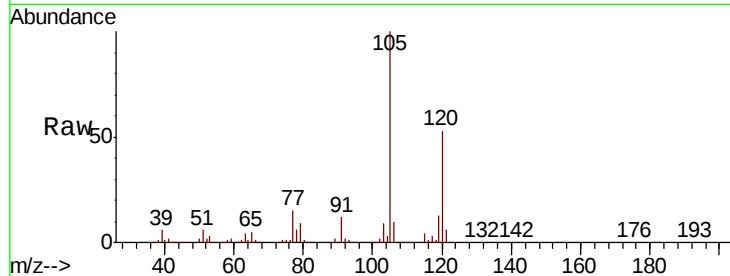
ICVVL092320

Tot Ion:105 Resp: 4975713

Ion Ratio Lower Upper

105 100

120 53.3 43.0 64.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

2000000

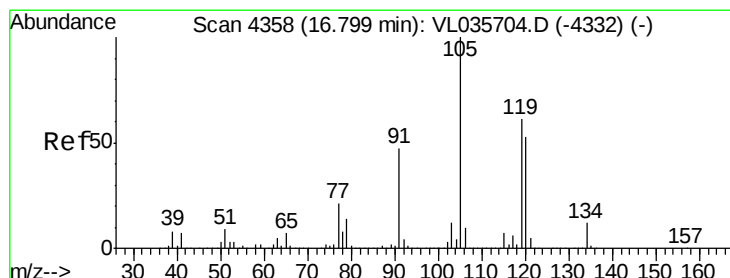
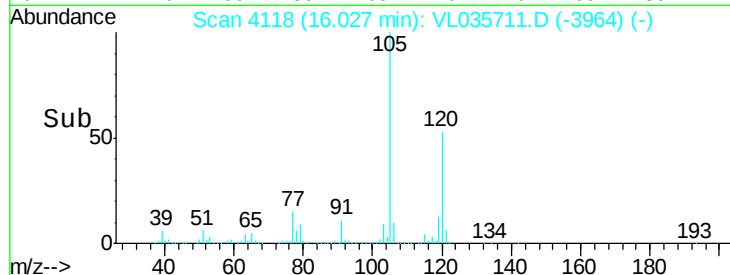
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.608 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:105 Resp: 5154420

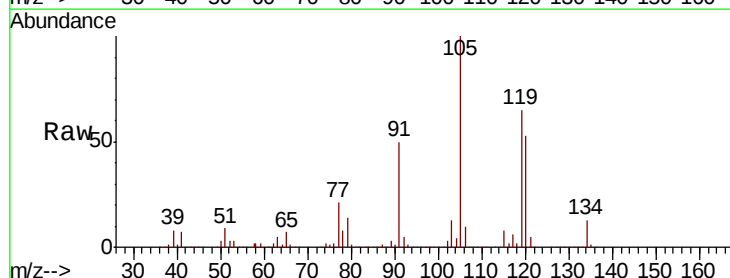
Ion Ratio Lower Upper

105 100

120 53.0 42.5 63.7

91 49.7 37.7 56.5

77 20.9 16.7 25.1



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

3000000

2500000

2000000

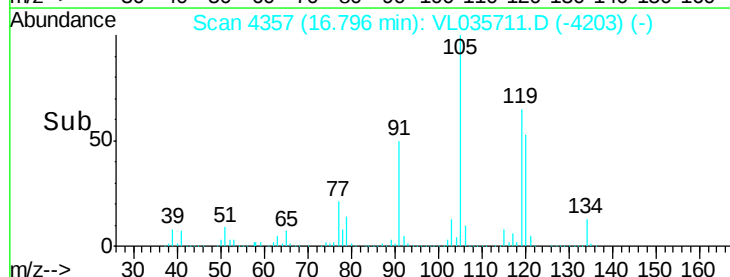
1500000

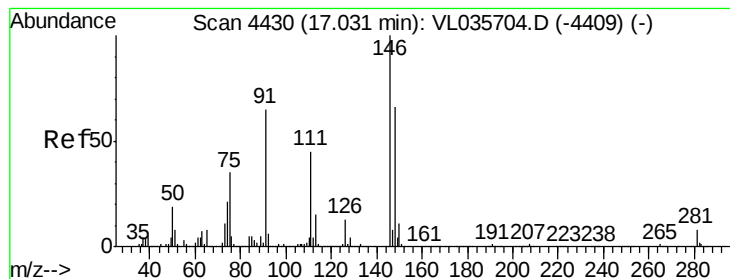
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.404 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

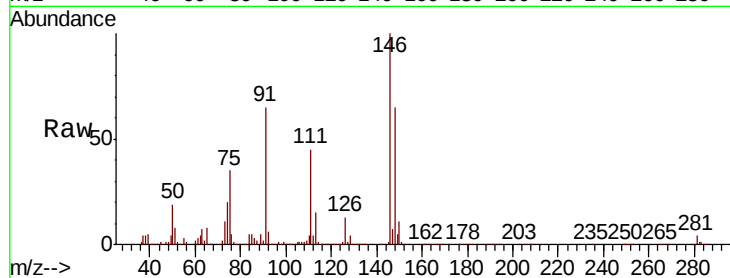
Tot Ion:146 Resp: 3424544

Ion Ratio Lower Upper

146 100

111 43.8 22.4 67.0

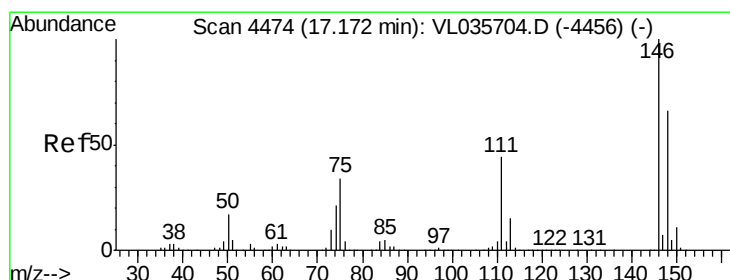
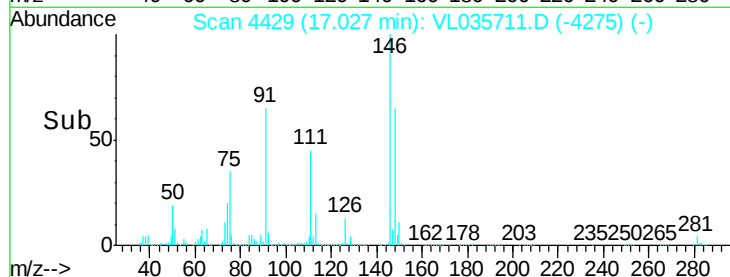
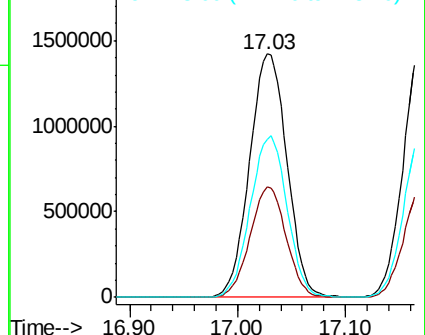
148 65.4 33.0 99.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.718 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

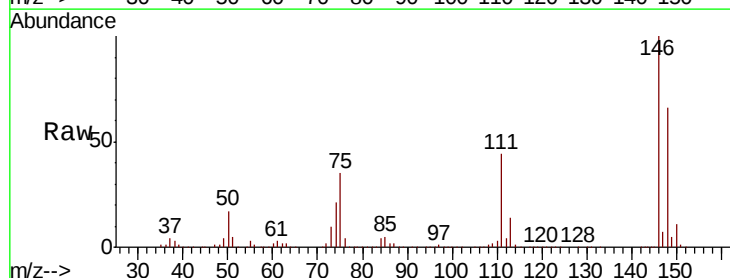
Tgt Ion:146 Resp: 3412250

Ion Ratio Lower Upper

146 100

111 43.0 21.4 64.3

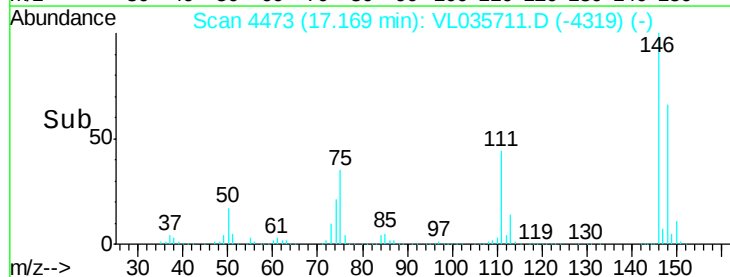
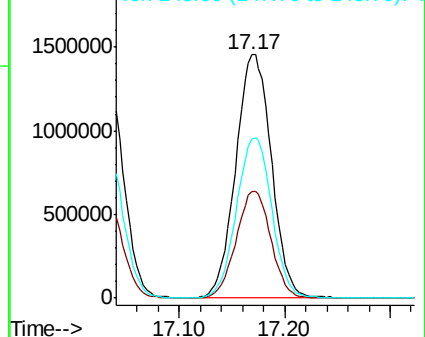
148 65.7 32.6 98.0

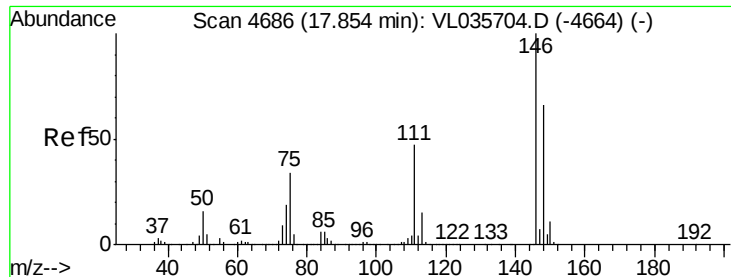


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



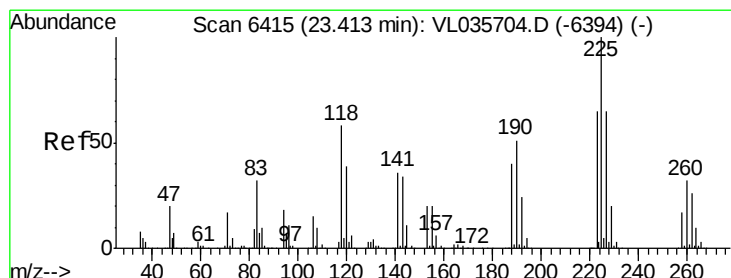
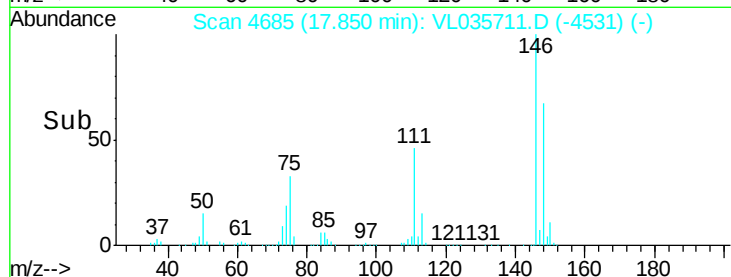
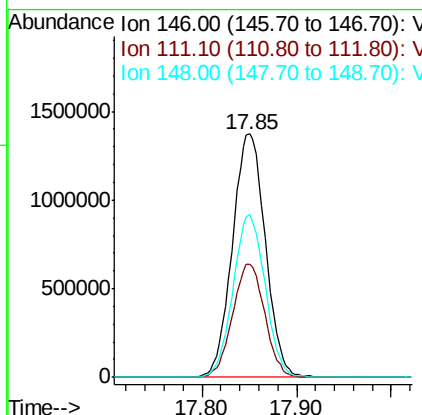
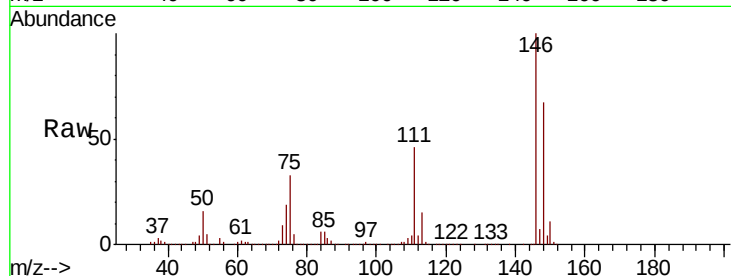


#77
 1,2-Dichlorobenzene
 Concen: 7.614 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion:146 Resp: 3326219

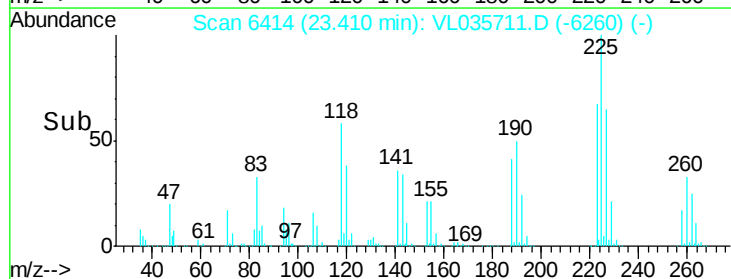
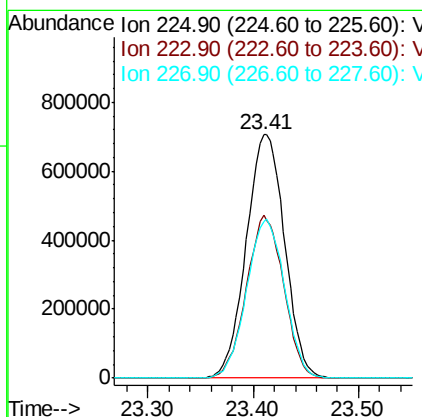
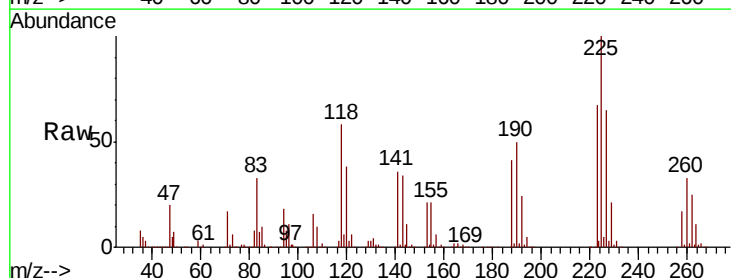
Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.9	68.5
148	65.2	32.6	98.0

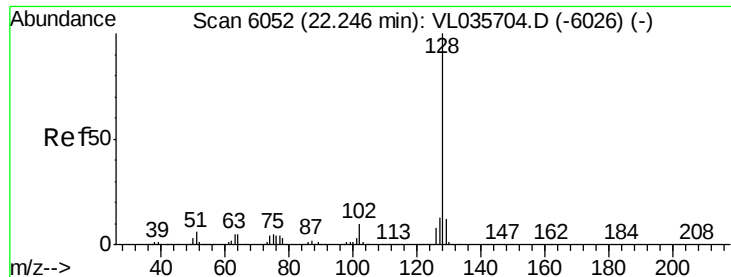


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.423 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion:225 Resp: 1789228

Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.3	76.9
227	64.6	51.6	77.4





#79

Naphthalene

Concen: 7.788 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.01 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

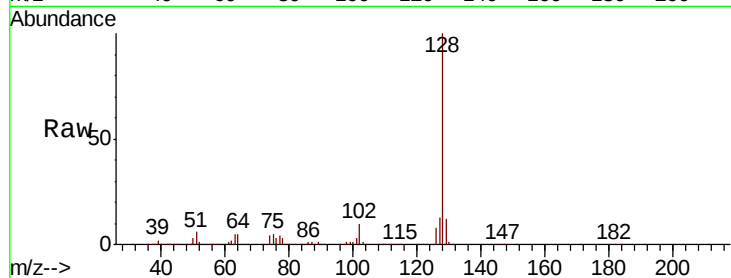
MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion:128 Resp: 5032085

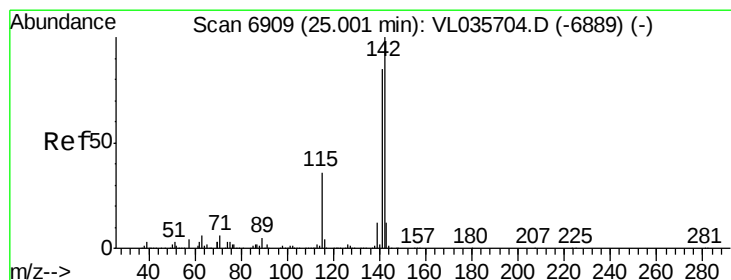
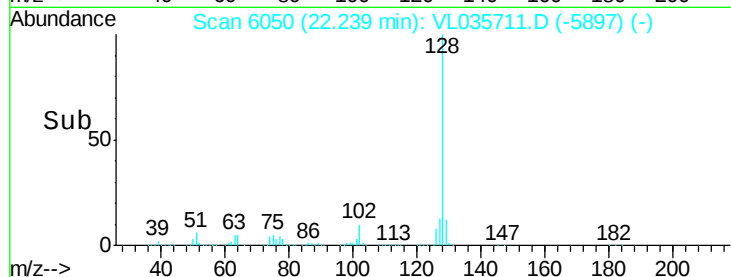
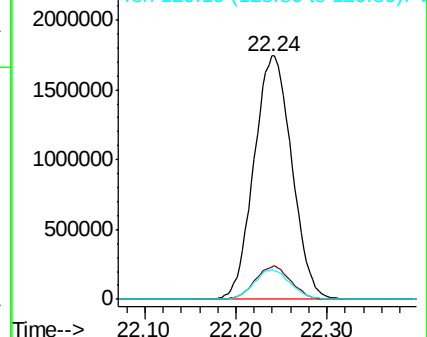
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	12.2	9.4	14.0



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.051 ppbv

RT: 25.00 min Scan# 6910

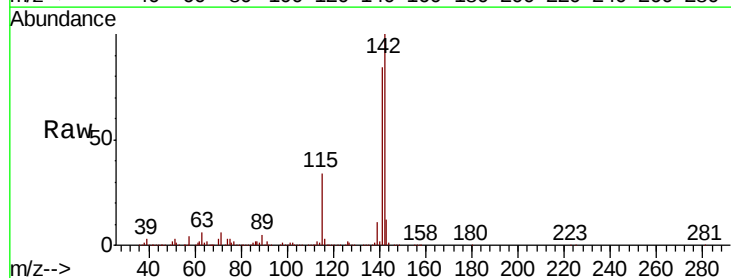
Delta R.T. 0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:142 Resp: 1379455

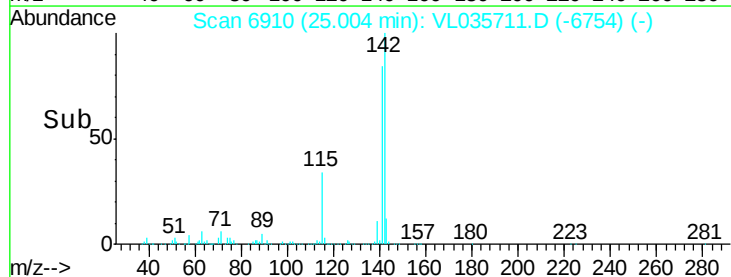
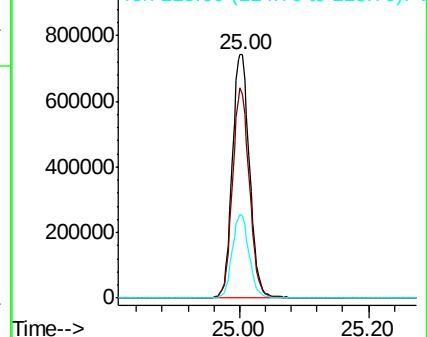
Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.2	102.4
115	33.7	27.8	41.6



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: 7.801 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

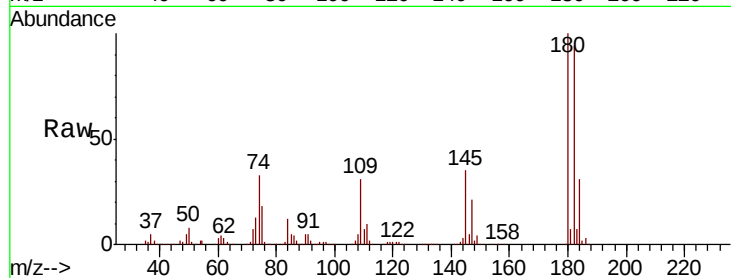
Tot Ion:180 Resp: 2612349

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

184 30.9 24.6 37.0



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

