

Data File : VL035724.D
Acq On : 29 Sep 2020 10:30
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Sep 30 02:37:42 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	1217140	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4849656	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	6103259	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3625968	7.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1782004	8.923	ppbv	99
3) Chlorodifluoromethane	2.98	51	1310470	10.008	ppbv	99
4) Chloromethane	3.14	50	690847	9.821	ppbv	98
5) Vinyl Chloride	3.26	62	821563	9.874	ppbv	99
6) Bromomethane	3.47	94	703820	10.007	ppbv	95
7) Chloroethane	3.56	64	306720	10.052	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2281975	9.421	ppbv	100
9) Propene	3.01	41	504866	10.619	ppbv	99
10) Heptane	8.14	43	1402249	10.580	ppbv	99
11) Trichlorofluoromethane	3.95	101	2640357	9.266	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1975688	9.301	ppbv	98
13) Ethanol	3.61	45	104432	8.907	ppbv	99
14) Bromoethene	3.74	108	929773	10.391	ppbv	99
15) Acetone	3.85	43	1105715	8.443	ppbv	98
16) 1,3-Butadiene	3.33	39	507979	10.602	ppbv	99
17) tert-Butyl alcohol	4.30	59	1652838	11.586	ppbv	100
18) 1,1-Dichloroethene	4.29	96	938392	10.090	ppbv	99
19) Isopropyl Alcohol	3.98	45	774135	10.866	ppbv #	96
20) Methylene Chloride	4.35	84	770725	8.012	ppbv	99
21) Allyl Chloride	4.42	41	672529	10.594	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	968481	9.857	ppbv	97
23) Vinyl Acetate	5.08	43	1821751	11.357	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1735696	9.934	ppbv	99
25) Ethyl Acetate	5.69	43	2339533	9.928	ppbv	100
26) Hexane	5.70	57	1304118	10.099	ppbv	99
27) Carbon Disulfide	4.55	76	2090148	10.859	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2408807	11.767	ppbv	100
29) Chloroform	5.76	83	2586460	9.863	ppbv	99
30) Cyclohexane	7.14	84	1446478	11.353	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1419035	11.383	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2562478	11.085	ppbv	99
34) 2-Butanone	5.25	43	1608562	10.028	ppbv	98
35) Carbon Tetrachloride	7.03	117	2599152	10.279	ppbv	98
36) Benzene	6.91	78	3339751	10.569	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1620226	9.837	ppbv	100
38) Trichloroethene	7.85	130	1645706	10.440	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1149905	10.039	ppbv	99
40) 1,4-Dioxane	7.84	88	551465	10.528	ppbv	95
41) Tetrahydrofuran	6.06	42	923833	11.432	ppbv	99
42) Bromodichloromethane	7.81	83	2734304	10.306	ppbv	100
43) Methyl Methacrylate	8.03	69	1396572	11.112	ppbv	98

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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)
44) 2,2,4-Trimethylpentane	7.89	57	4379262	9.658	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1582016	12.468	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1886859	12.064	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1606217	9.790	ppbv	99
48) Dibromochloromethane	10.33	129	2692054	10.782	ppbv	100
49) Bromoform	13.07	173	2400309	11.330	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2353538	10.045	ppbv	99
51) 2-Hexanone	10.16	43	1979492	10.487	ppbv #	99
52) Tetrachloroethene	11.25	164	1577554	10.381	ppbv	98
53) Toluene	9.83	91	4104470	11.015	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2520286	10.259	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2071184	8.093	ppbv	98
57) Chlorobenzene	12.18	112	3432334	7.446	ppbv	99
58) Ethyl Benzene	12.74	91	5294876	8.644	ppbv	99
59) m/p-Xylene	13.02	91	4747541	8.875	ppbv #	37
60) o-Xylene	13.73	91	4365046	8.066	ppbv	99
61) Styrene	13.56	104	3502667	9.361	ppbv	99
62) Isopropylbenzene	14.70	105	6602928	7.867	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3144409	7.086	ppbv	100
64) n-propylbenzene	15.59	120	2044516	8.322	ppbv	97
65) tert-Butylbenzene	16.78	119	6097894	7.991	ppbv	98
66) Benzyl Chloride	17.02	91	2211246	9.564	ppbv	98
67) sec-Butylbenzene	17.33	105	8033542	7.623	ppbv	99
69) p-Isopropyltoluene	17.69	119	6816050	7.950	ppbv	99
70) n-Butylbenzene	18.59	91	6687231	7.574	ppbv	99
71) 2-Chlorotoluene	15.49	91	5049826	8.248	ppbv	99
72) 4-Ethyltoluene	15.87	105	5380916	8.394	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4973267	8.209	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5138903	7.525	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	3489321	7.484	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	3471019	7.788	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3380603	7.677	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1856596	7.642	ppbv	99
79) Naphthalene	22.25	128	5083590	7.805	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	1632586	10.626	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2700629	8.001	ppbv	99

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

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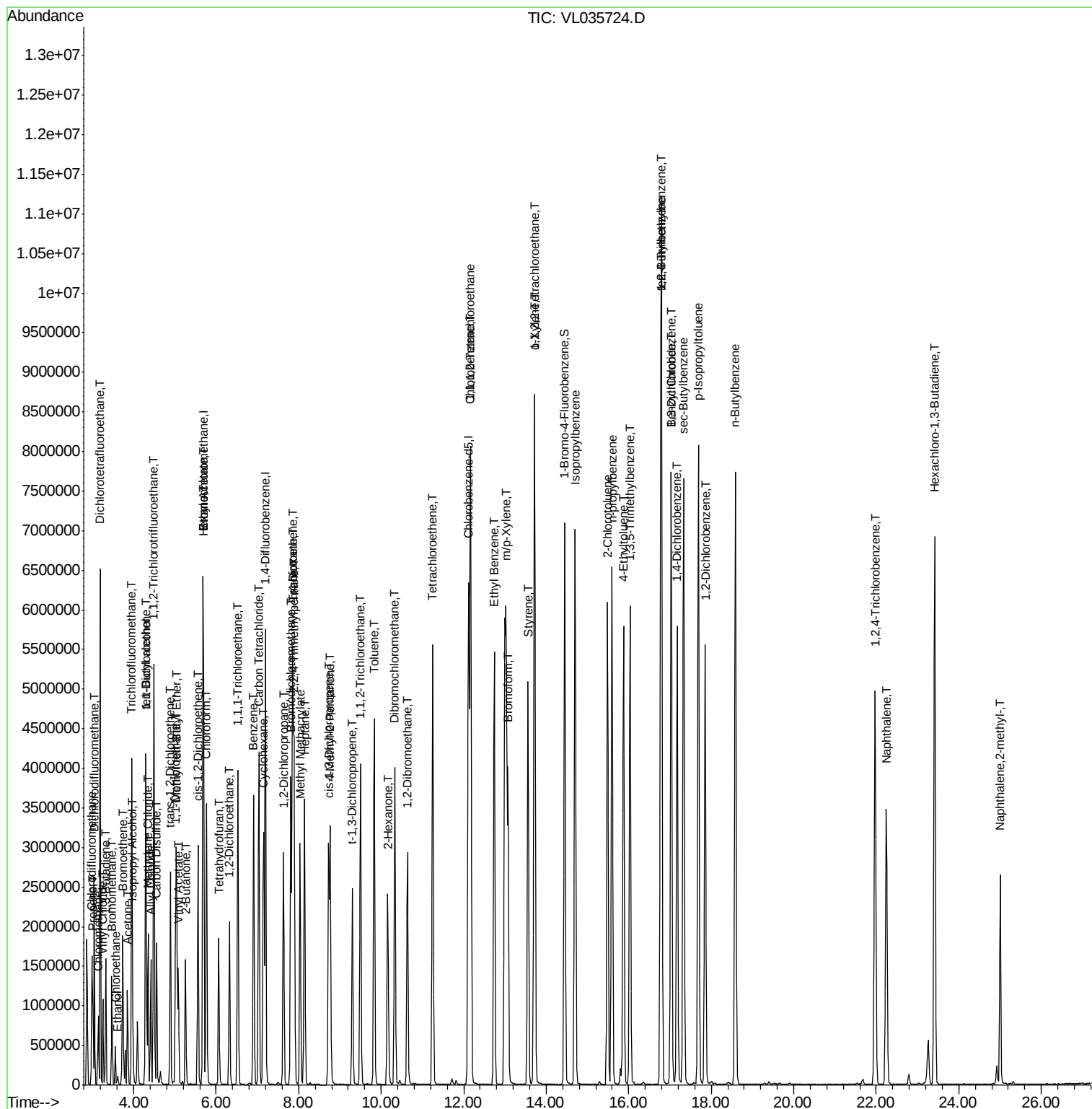
Quant Time: Sep 30 02:37:42 2020

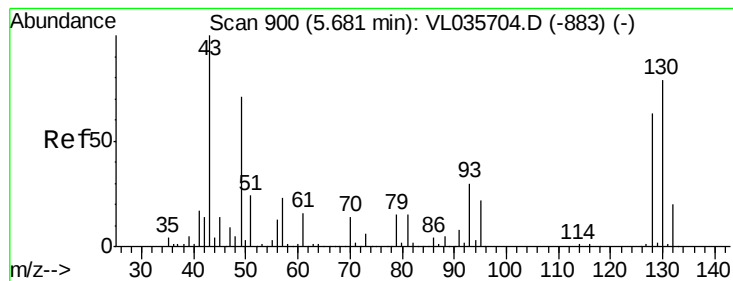
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL092320AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020

QLast Update : Wed Sep 23 07:38:05 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

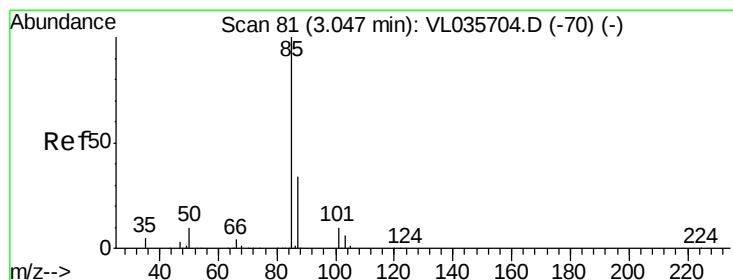
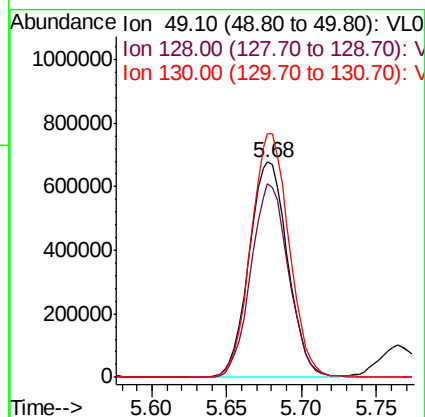
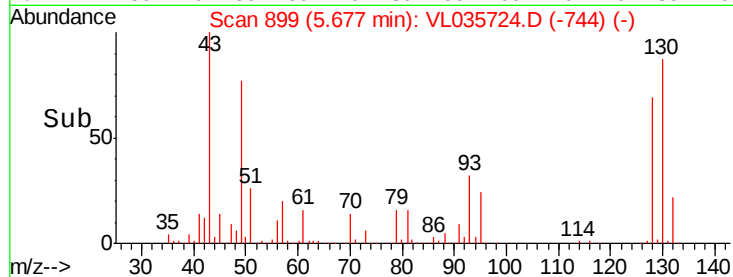
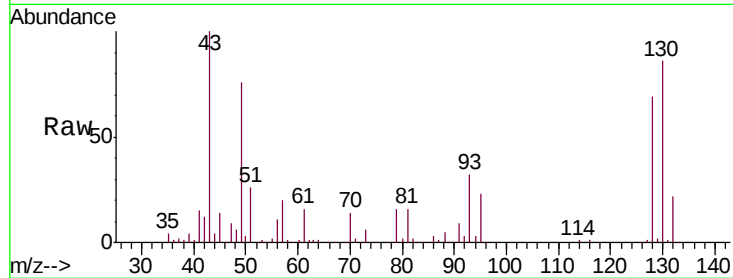
Tgt Ion: 49 Resp: 1217140

Ion Ratio Lower Upper

49 100

128 87.8 43.1 129.4

130 112.5 54.9 164.7



#2

Dichlorodifluoromethane

Concen: 8.923 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035724.D

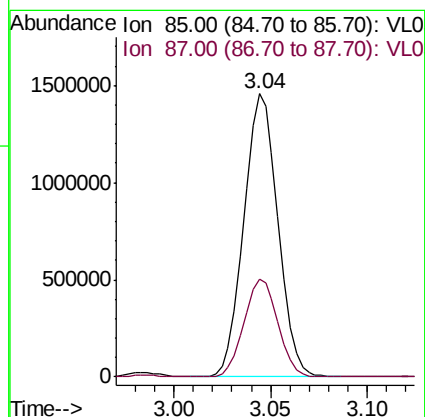
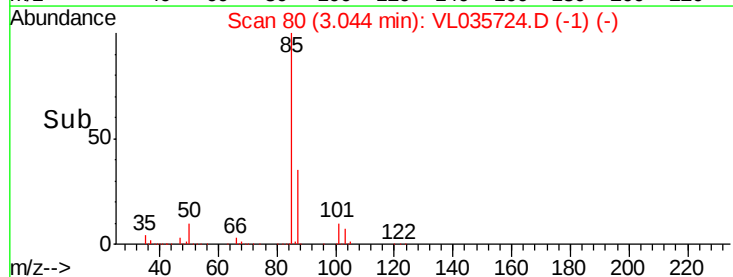
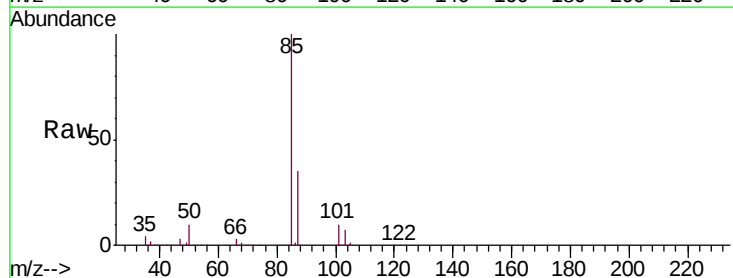
Acq: 29 Sep 2020 10:30

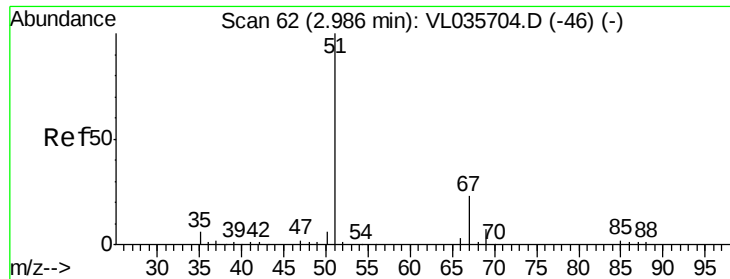
Tgt Ion: 85 Resp: 1782004

Ion Ratio Lower Upper

85 100

87 34.6 27.3 40.9





#3

Chlorodifluoromethane

Concen: 10.008 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

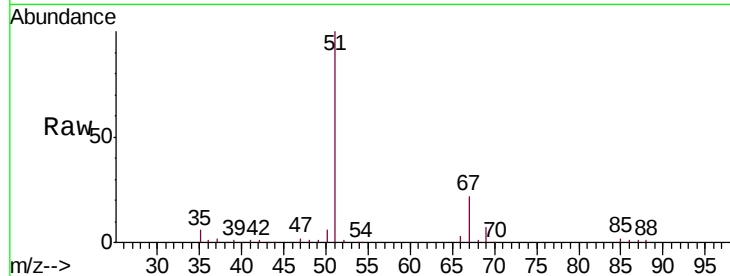
VSTDCCC010

Tgt Ion: 51 Resp: 1310470

Ion Ratio Lower Upper

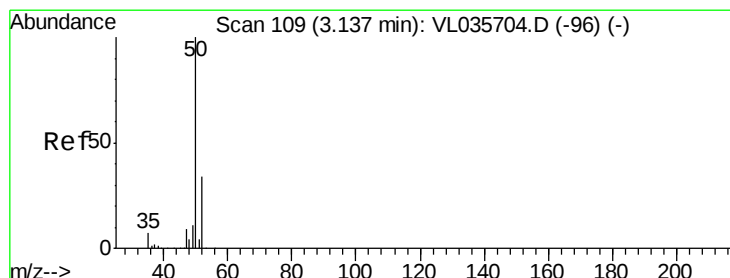
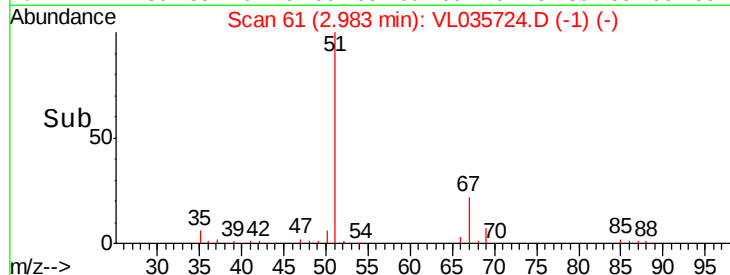
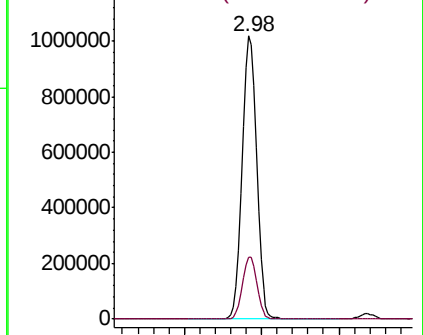
51 100

67 21.8 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.821 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035724.D

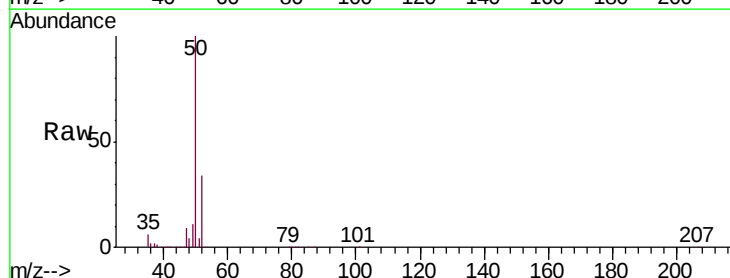
Acq: 29 Sep 2020 10:30

Tgt Ion: 50 Resp: 690847

Ion Ratio Lower Upper

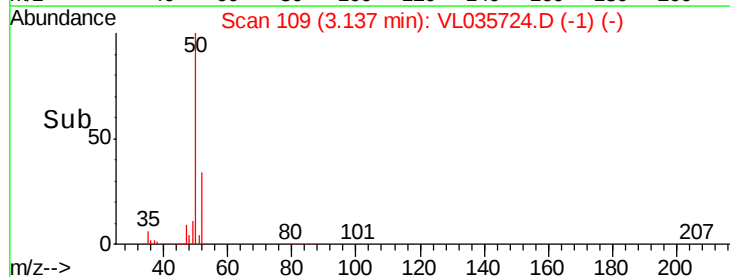
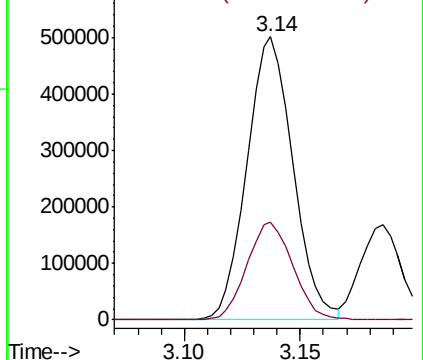
50 100

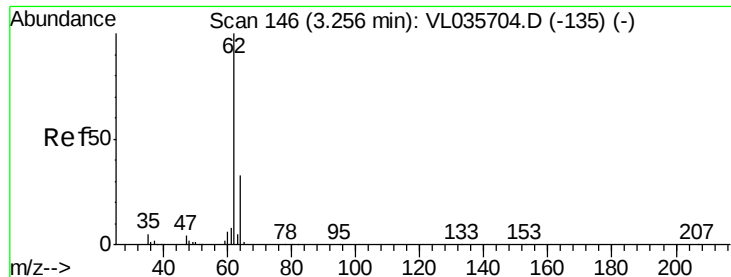
52 34.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.874 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

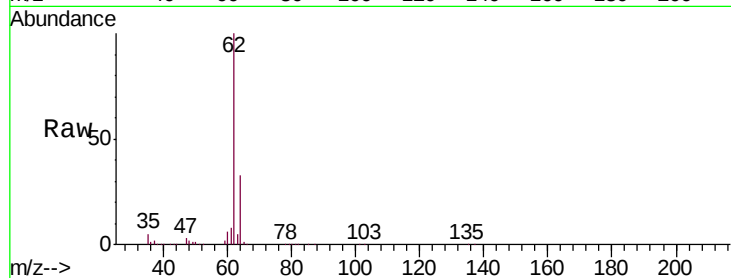
VSTDCCC010

Tgt Ion: 62 Resp: 821563

Ion Ratio Lower Upper

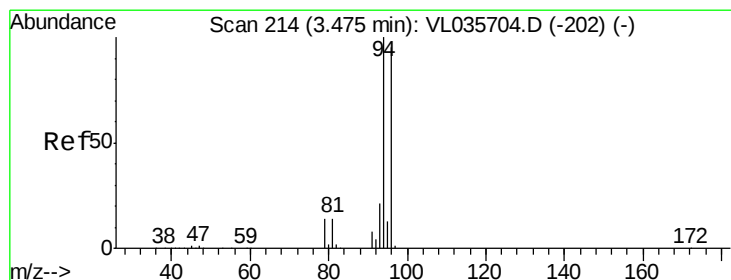
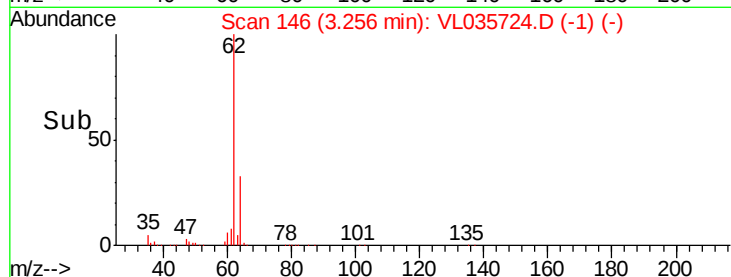
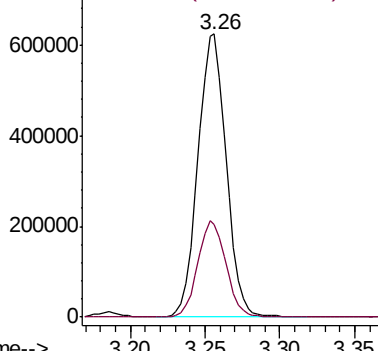
62 100

64 32.8 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.007 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035724.D

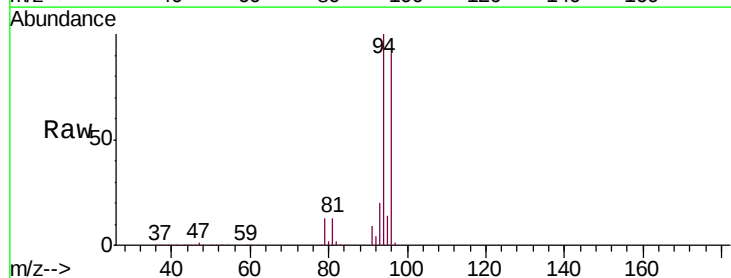
Acq: 29 Sep 2020 10:30

Tgt Ion: 94 Resp: 703820

Ion Ratio Lower Upper

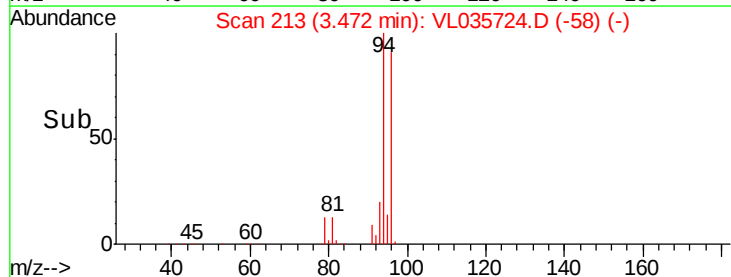
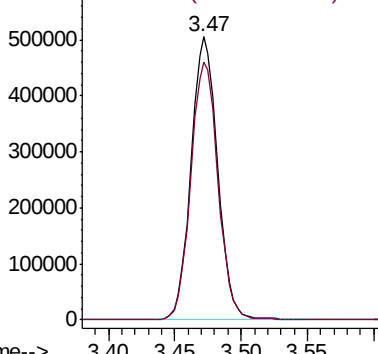
94 100

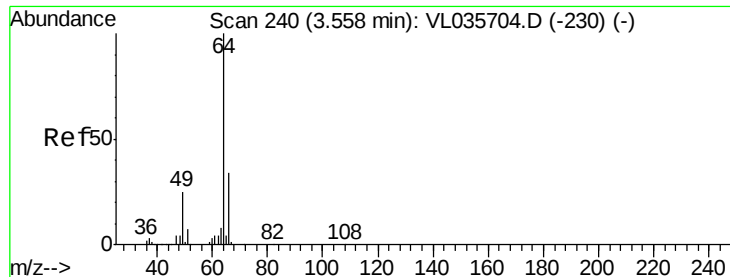
96 90.9 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.052 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

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Acq: 29 Sep 2020 10:30

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ClientSampleId :

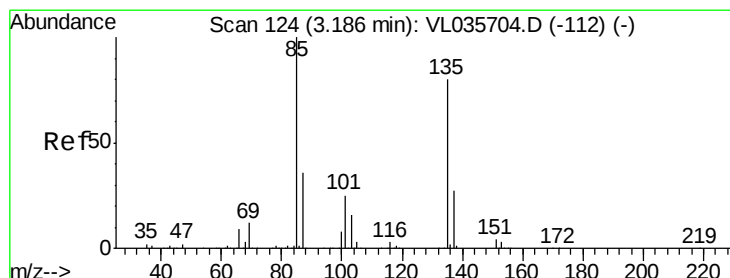
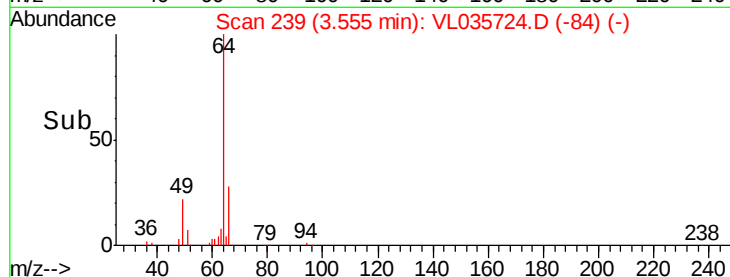
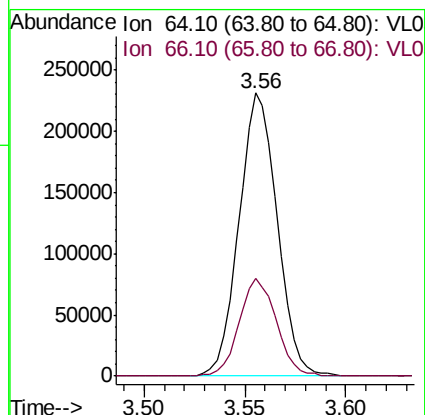
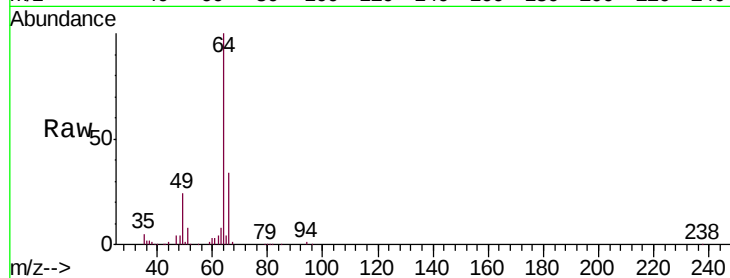
VSTDCCC010

Tgt Ion: 64 Resp: 306720

Ion Ratio Lower Upper

64 100

66 34.5 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.421 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035724.D

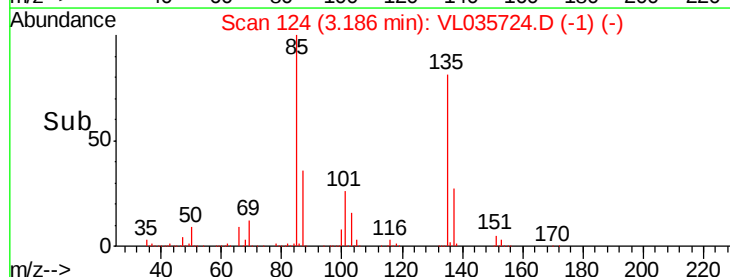
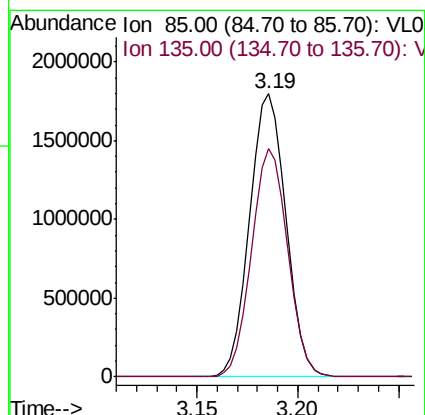
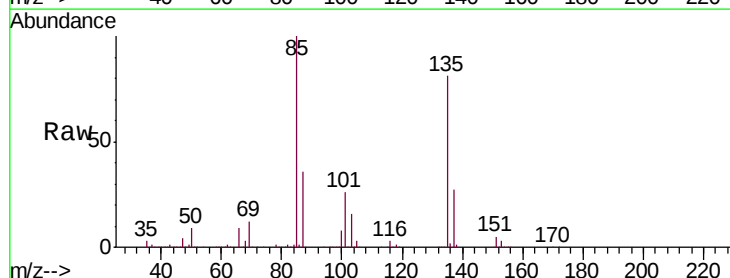
Acq: 29 Sep 2020 10:30

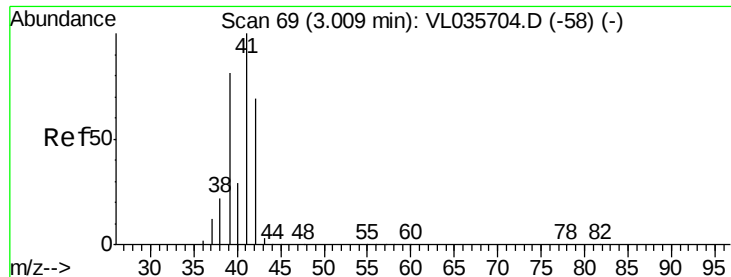
Tgt Ion: 85 Resp: 2281975

Ion Ratio Lower Upper

85 100

135 80.5 64.3 96.5





#9

Propene

Concen: 10.619 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

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ClientSampleId :

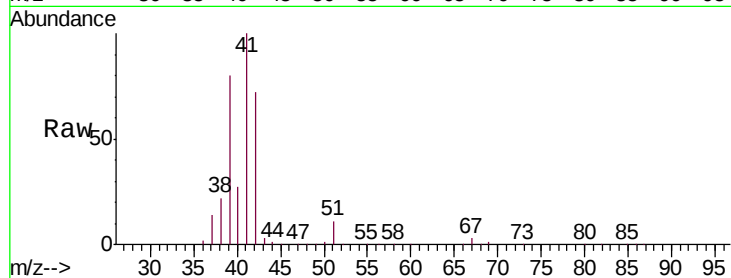
VSTDCCC010

Tgt Ion: 41 Resp: 504866

Ion Ratio Lower Upper

41 100

42 71.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

400000

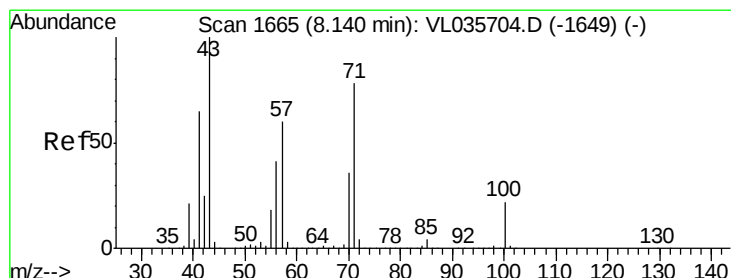
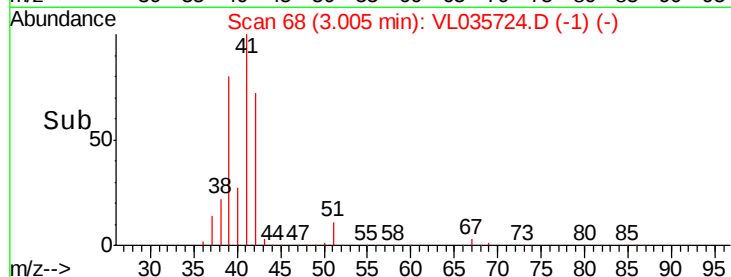
300000

200000

100000

0

Time--> 2.95 3.00 3.05



#10

Heptane

Concen: 10.580 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035724.D

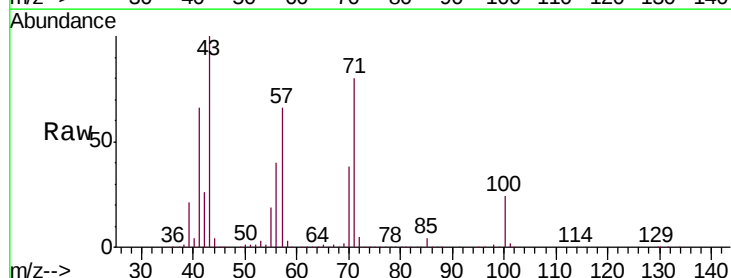
Acq: 29 Sep 2020 10:30

Tgt Ion: 43 Resp: 1402249

Ion Ratio Lower Upper

43 100

57 63.8 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.14

800000

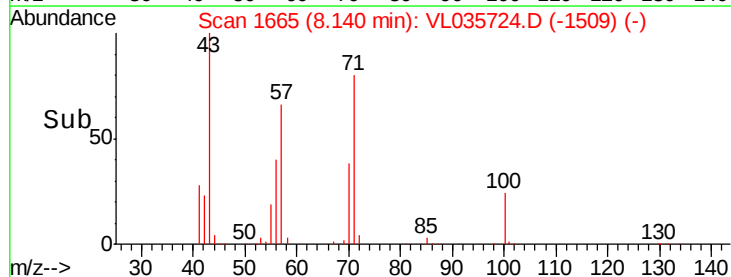
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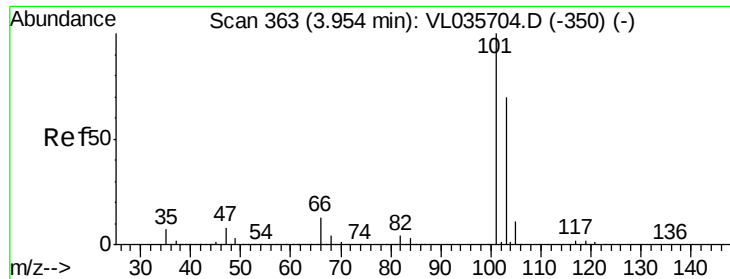
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200000

0

Time--> 8.05 8.10 8.15 8.20

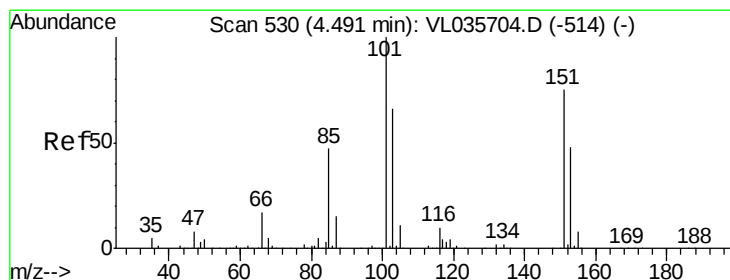
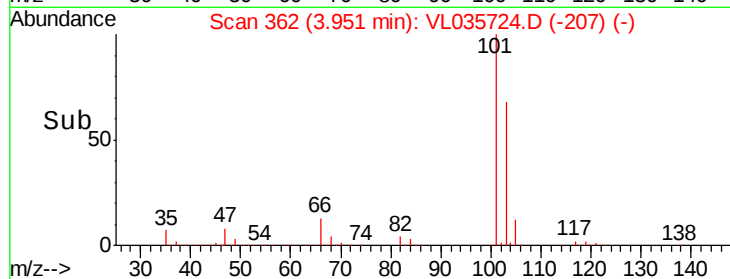
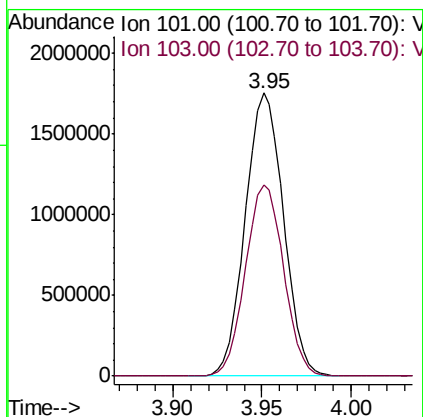
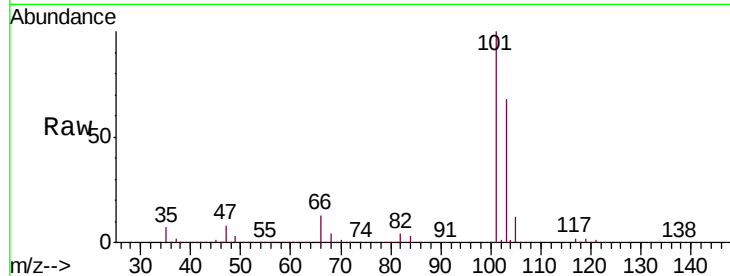




#11
 Trichlorofluoromethane
 Concen: 9.266 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

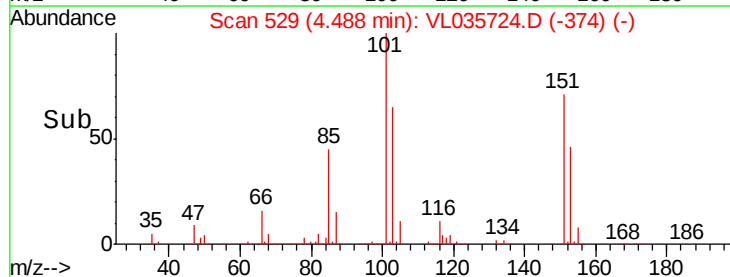
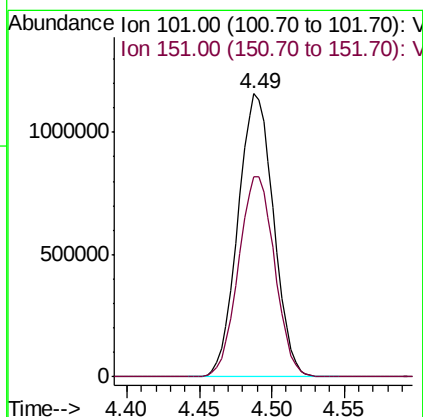
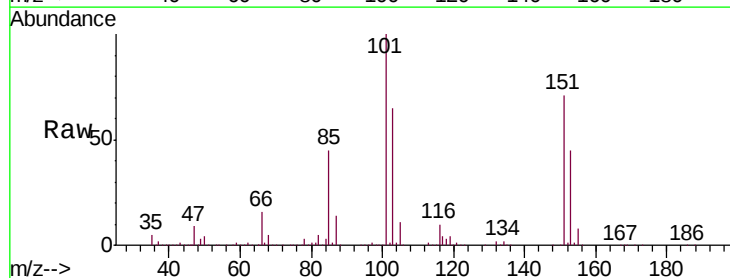
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

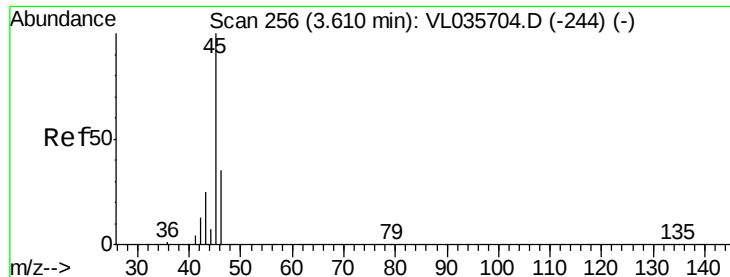
Tgt Ion:101 Resp: 2640357
 Ion Ratio Lower Upper
 101 100
 103 67.6 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.301 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion:101 Resp: 1975688
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.1 88.7





#13

Ethanol

Concen: 8.907 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

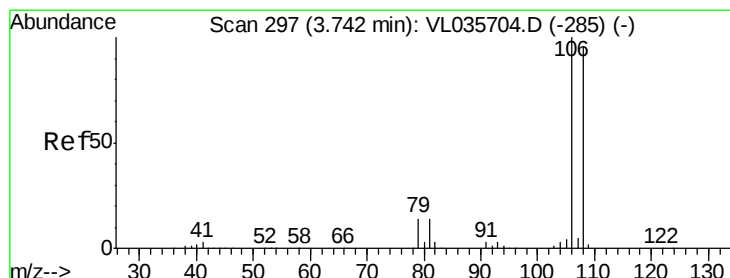
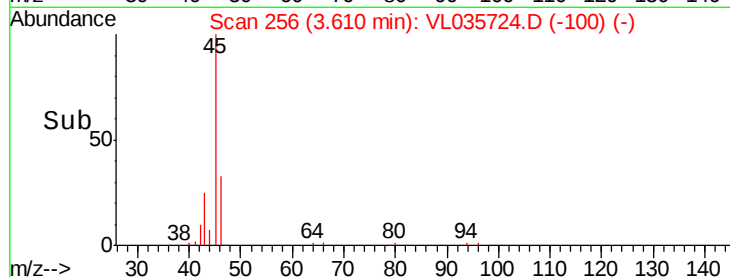
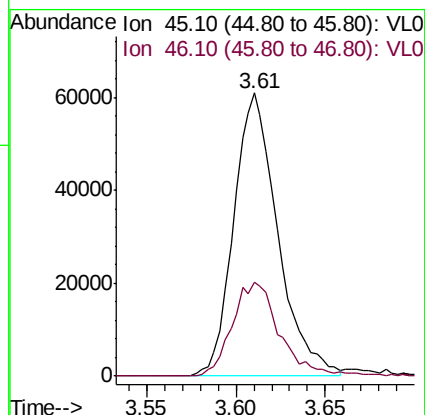
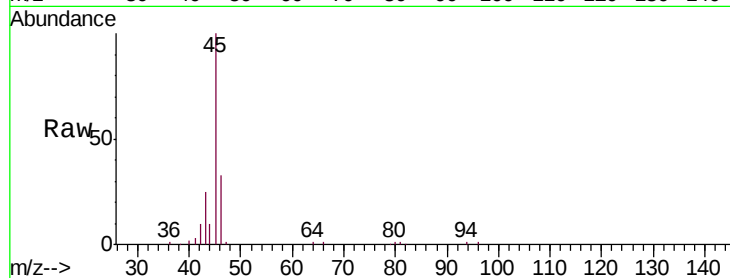
VSTDCCC010

Tgt Ion: 45 Resp: 104432

Ion Ratio Lower Upper

45 100

46 36.1 14.7 58.7



#14

Bromoethene

Concen: 10.391 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

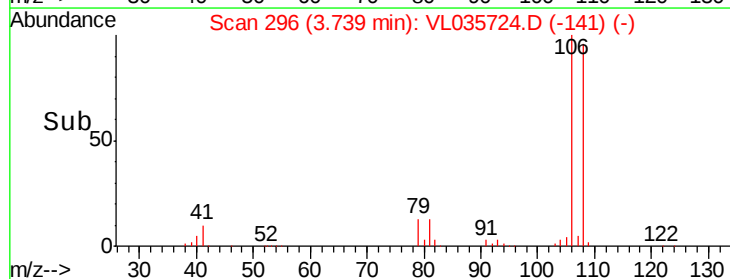
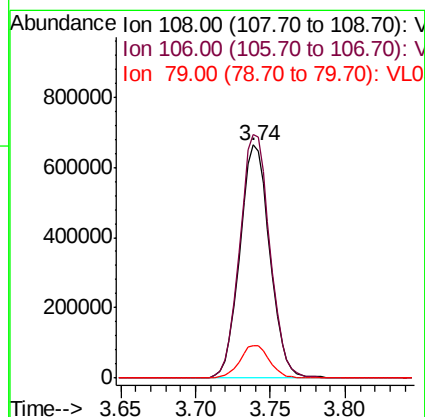
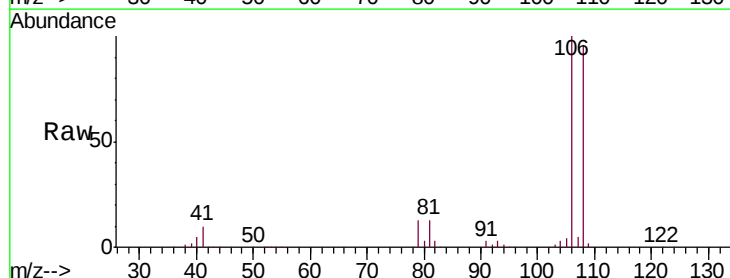
Tgt Ion: 108 Resp: 929773

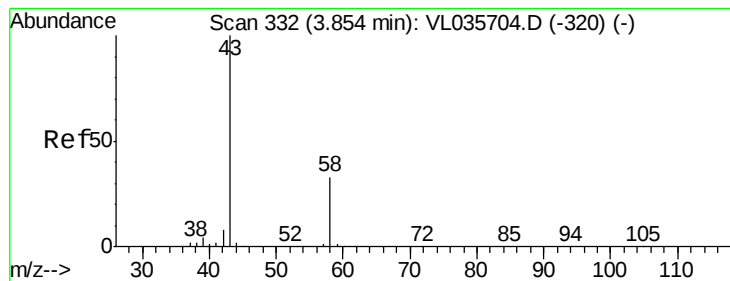
Ion Ratio Lower Upper

108 100

106 105.1 84.6 126.8

79 13.9 11.6 17.4





#15

Acetone

Concen: 8.443 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

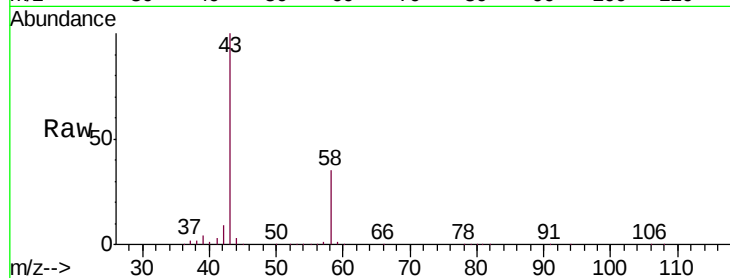
VSTDCCC010

Tgt Ion: 43 Resp: 1105715

Ion Ratio Lower Upper

43 100

58 35.2 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

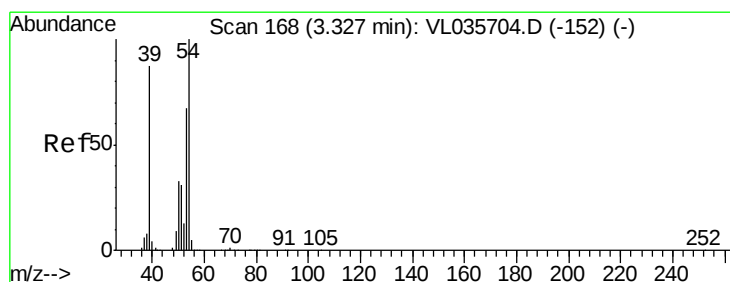
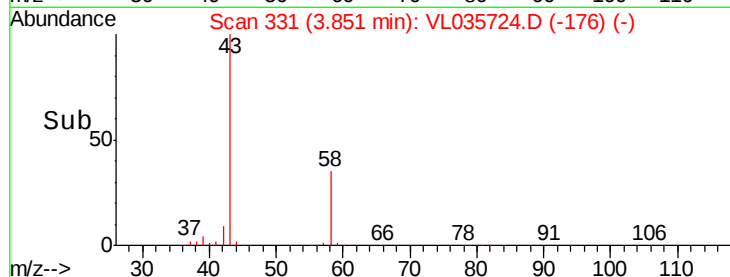
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.602 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035724.D

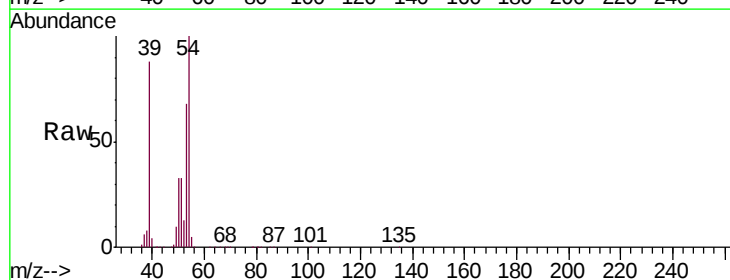
Acq: 29 Sep 2020 10:30

Tgt Ion: 39 Resp: 507979

Ion Ratio Lower Upper

39 100

54 110.3 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

500000

400000

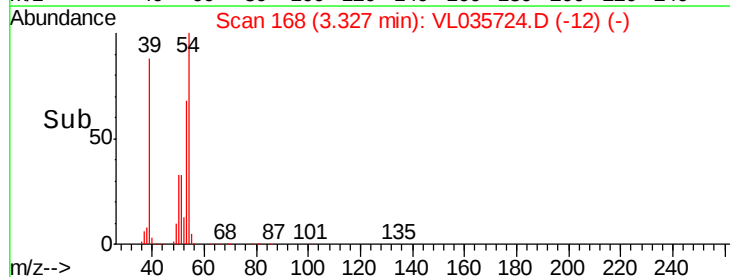
300000

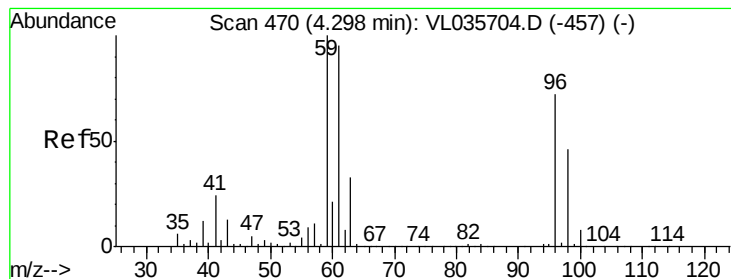
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 11.586 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

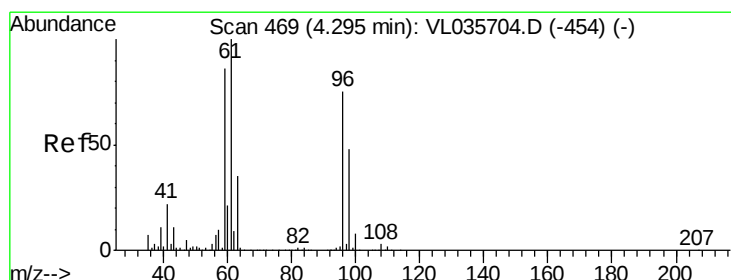
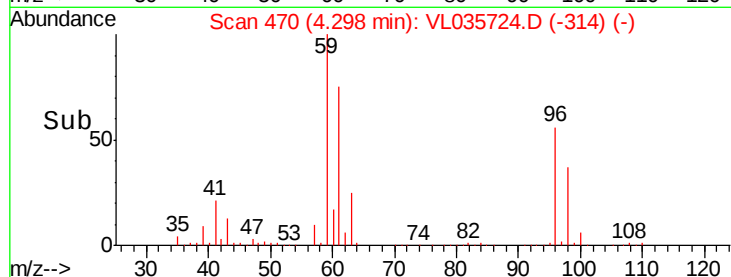
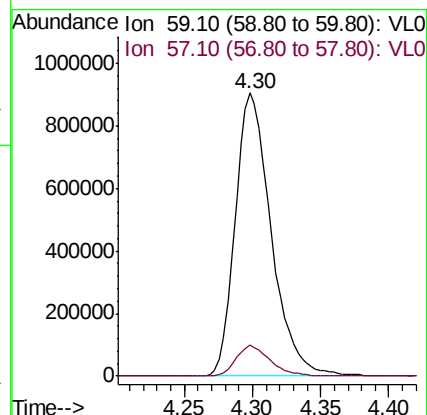
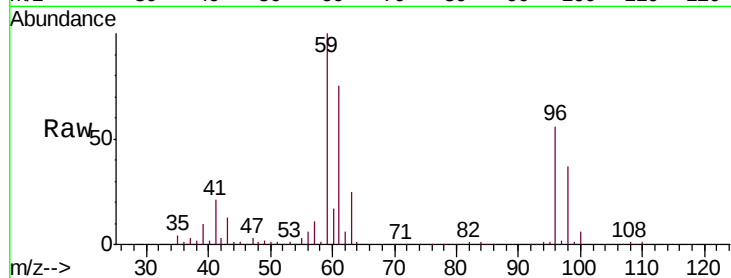
VSTDCCC010

Tgt Ion: 59 Resp: 1652838

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.090 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

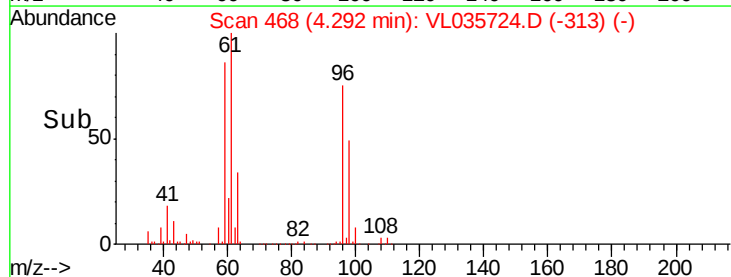
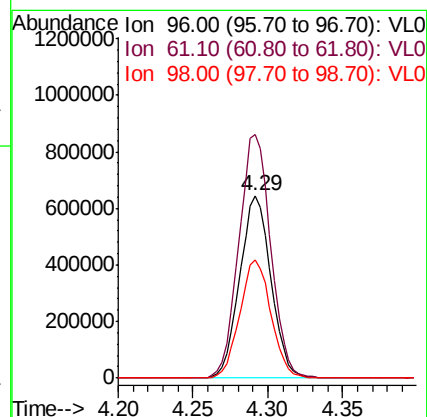
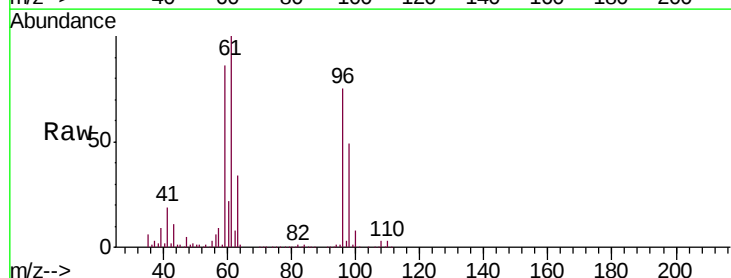
Tgt Ion: 96 Resp: 938392

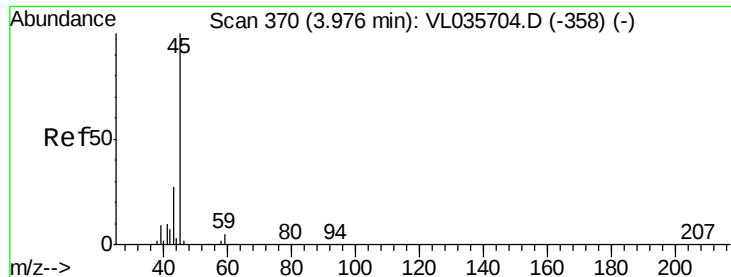
Ion Ratio Lower Upper

96 100

61 133.6 106.7 160.1

98 64.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.866 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

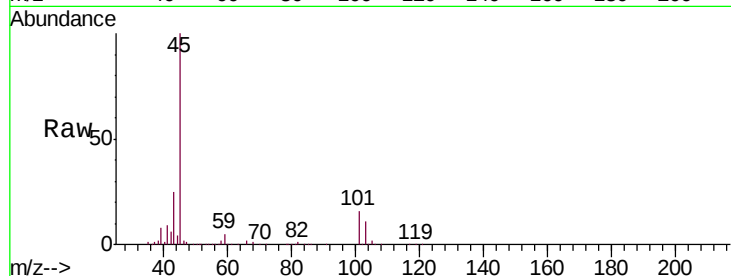
VSTDCCC010

Tgt Ion: 45 Resp: 774135

Ion Ratio Lower Upper

45 100

58 2.1 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

500000

400000

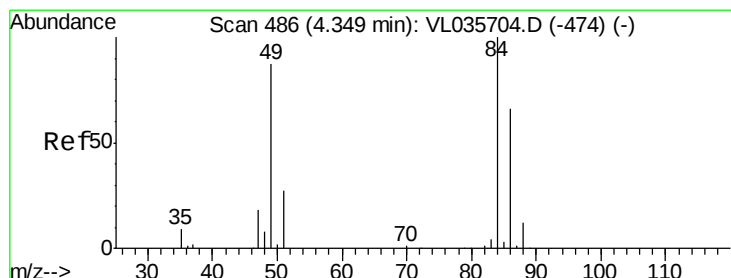
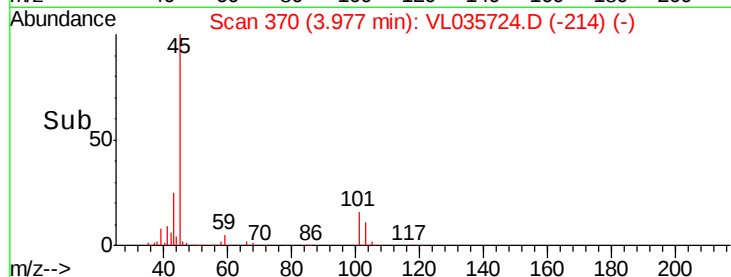
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.012 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 84 Resp: 770725

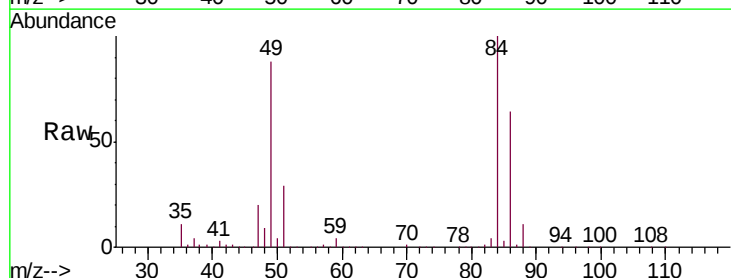
Ion Ratio Lower Upper

84 100

49 87.5 69.8 104.6

51 28.1 21.8 32.8

86 64.3 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

800000

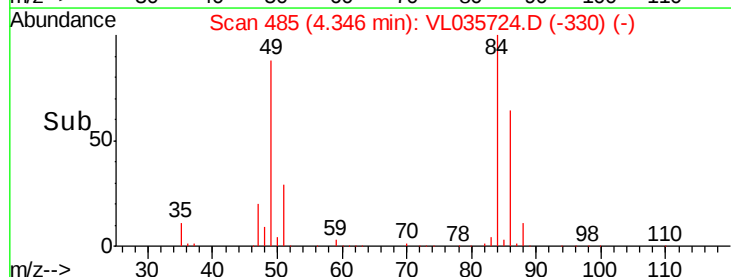
600000

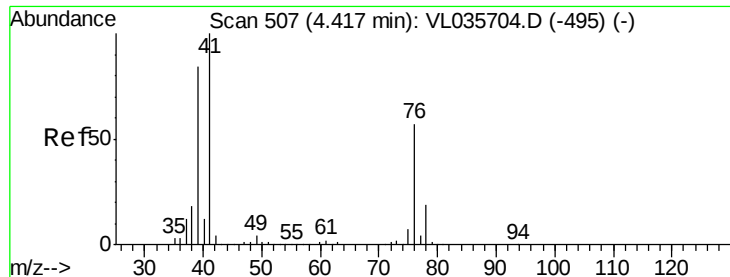
400000

200000

0

Time-->





#21

Allyl Chloride

Concen: 10.594 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

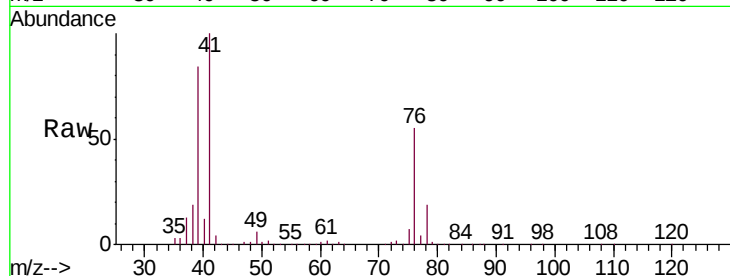
Tgt Ion: 41 Resp: 672529

Ion Ratio Lower Upper

41 100

76 56.3 44.8 67.2

39 85.3 68.4 102.6

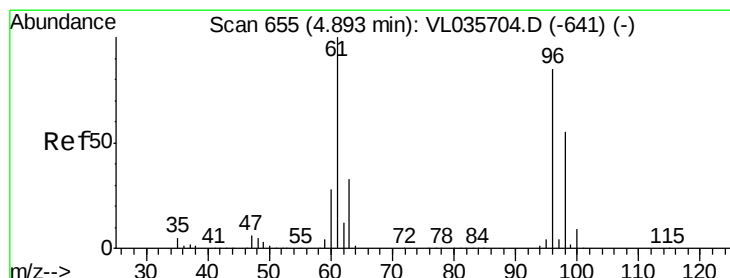
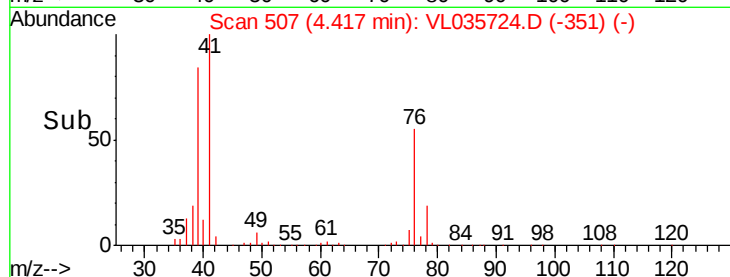
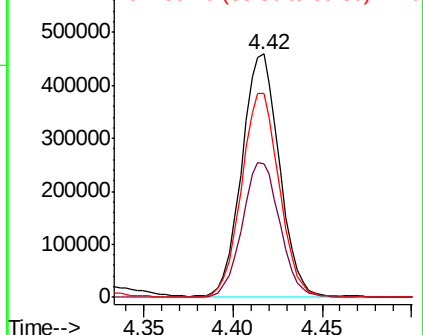


Abundance

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: 9.857 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

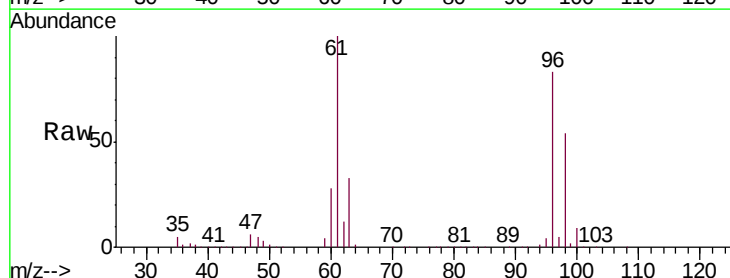
Tgt Ion: 96 Resp: 968481

Ion Ratio Lower Upper

96 100

61 120.6 93.7 140.5

98 65.7 51.2 76.8

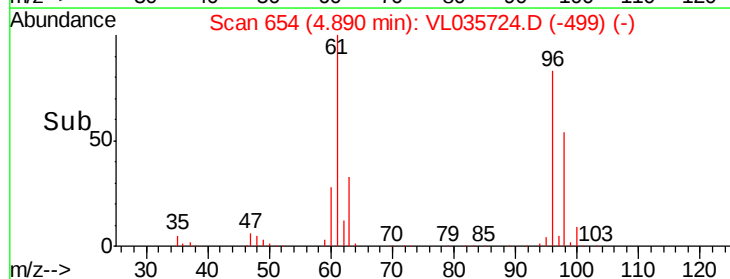
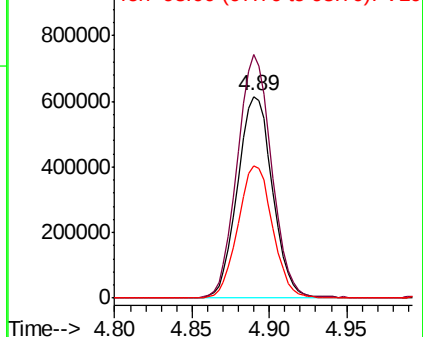


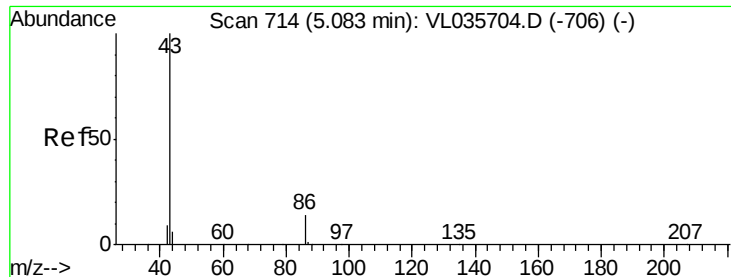
Abundance

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: 11.357 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1821751

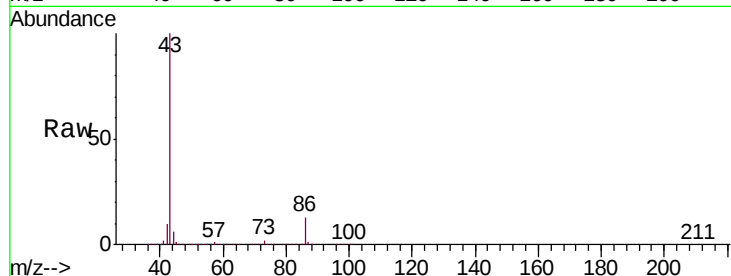
Ion Ratio Lower Upper

43 100

86 13.1 9.7 14.5

42 9.7 7.9 11.9

44 5.5 4.8 7.2

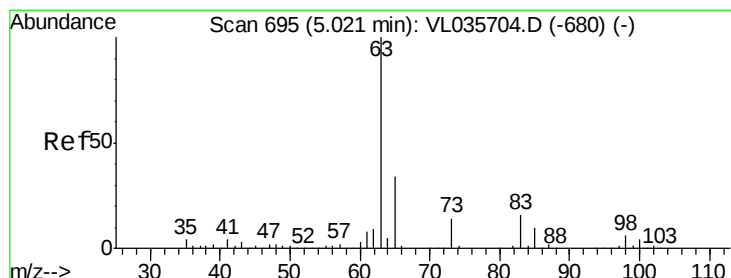
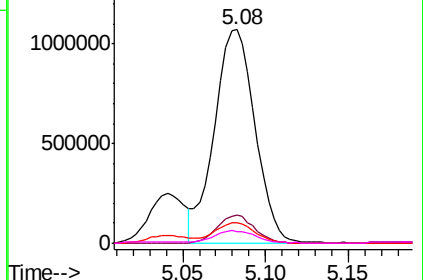
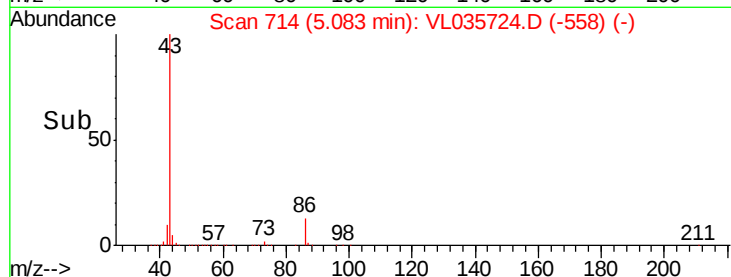


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.934 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

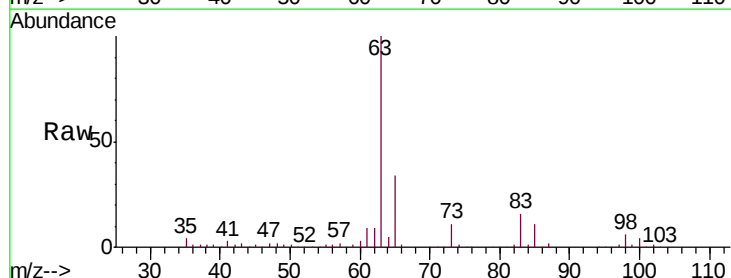
Tgt Ion: 63 Resp: 1735696

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

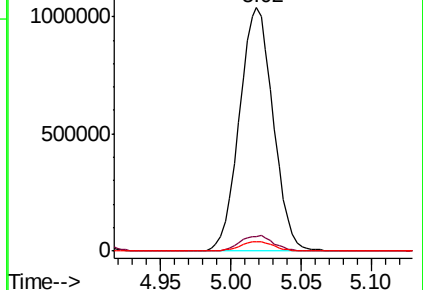
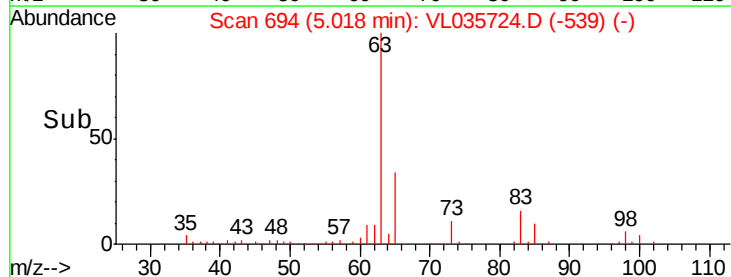
100 3.9 2.0 5.8

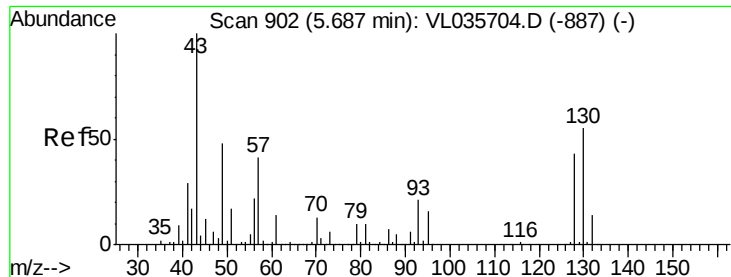


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

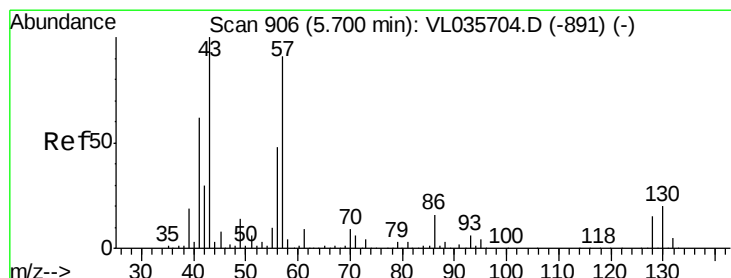
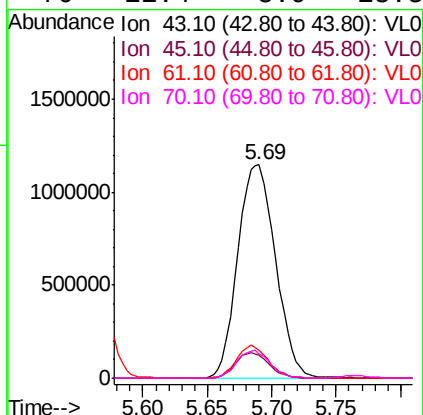
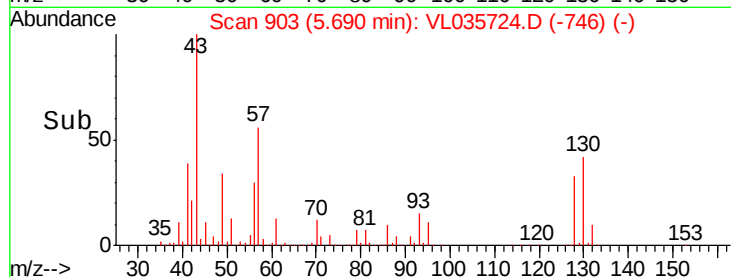
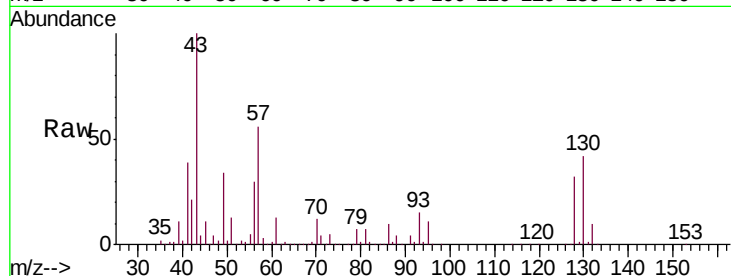




#25
Ethyl Acetate
Concen: 9.928 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

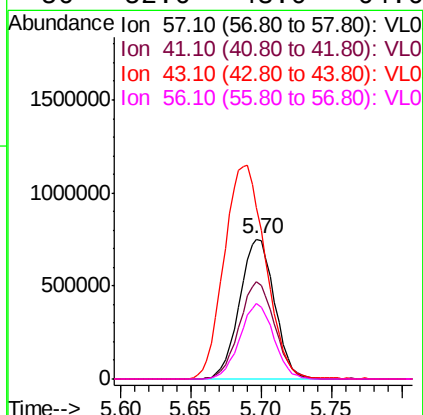
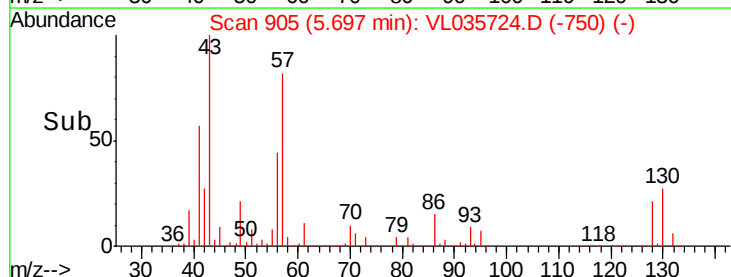
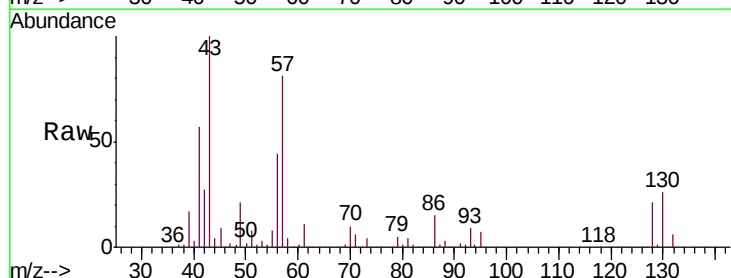
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

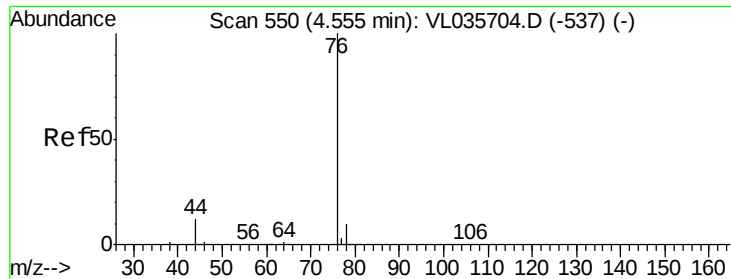
Tgt Ion: 43 Resp: 2339533
Ion Ratio Lower Upper
43 100
45 10.7 8.6 12.8
61 13.0 10.4 15.6
70 11.4 8.9 13.3



#26
Hexane
Concen: 10.099 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 57 Resp: 1304118
Ion Ratio Lower Upper
57 100
41 71.6 57.9 86.9
43 180.0 143.8 215.6
56 52.6 43.0 64.6





#27

Carbon Disulfide

Concen: 10.859 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

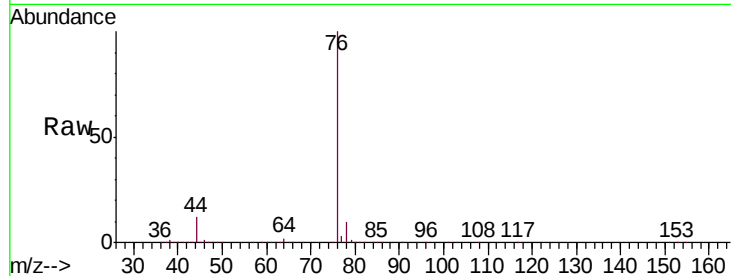
Tgt Ion: 76 Resp: 2090148

Ion Ratio Lower Upper

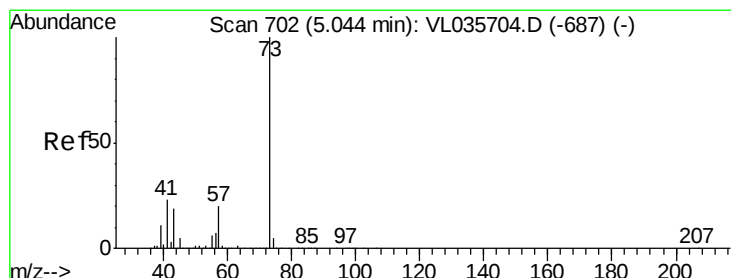
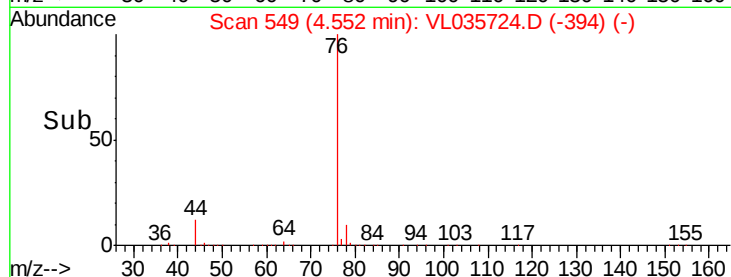
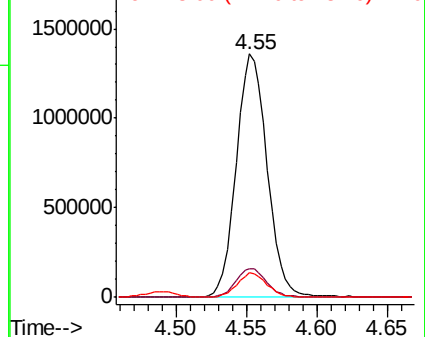
76 100

44 12.1 9.7 14.5

78 9.7 7.8 11.8



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: 11.767 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL035724.D

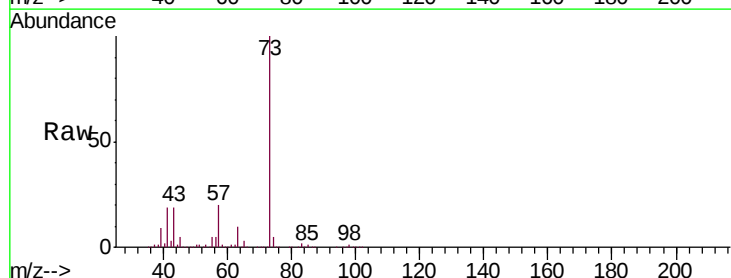
Acq: 29 Sep 2020 10:30

Tgt Ion: 73 Resp: 2408807

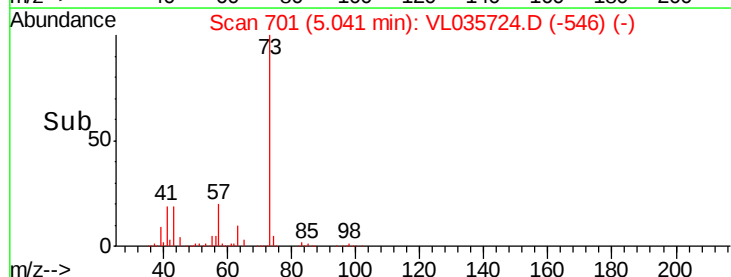
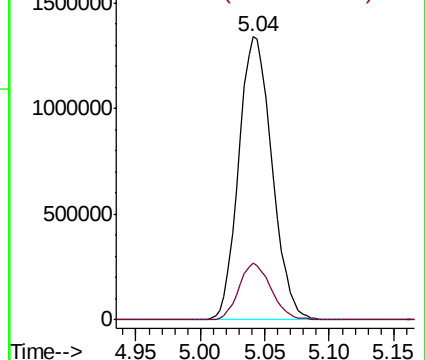
Ion Ratio Lower Upper

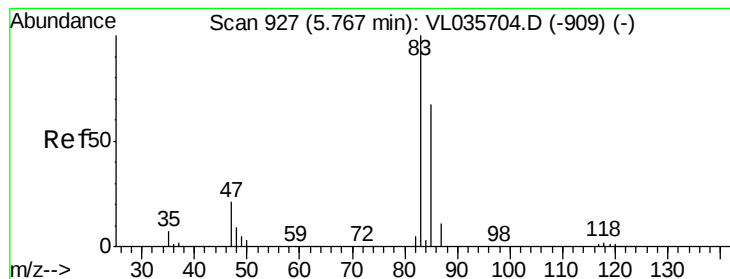
73 100

57 19.5 15.6 23.4



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





#29

Chloroform

Concen: 9.863 ppbv

RT: 5.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

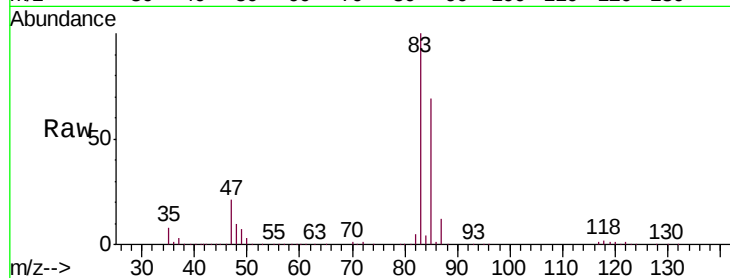
VSTDCCC010

Tgt Ion: 83 Resp: 2586460

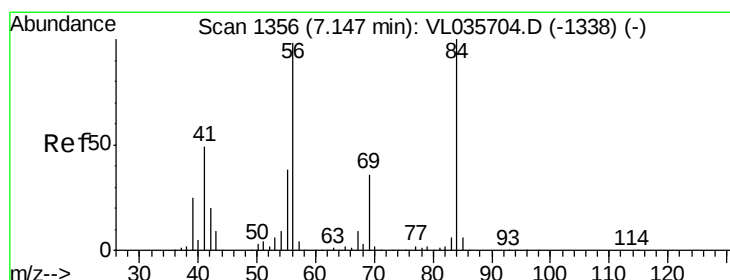
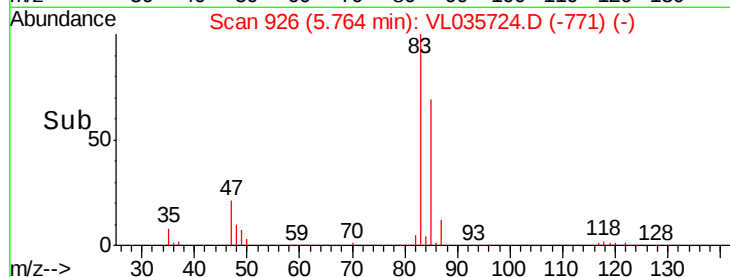
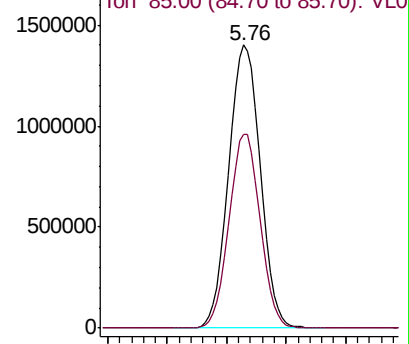
Ion Ratio Lower Upper

83 100

85 68.5 54.0 81.0



Abundance Ion 83.00 (82.70 to 83.70): VL0



#30

Cyclohexane

Concen: 11.353 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

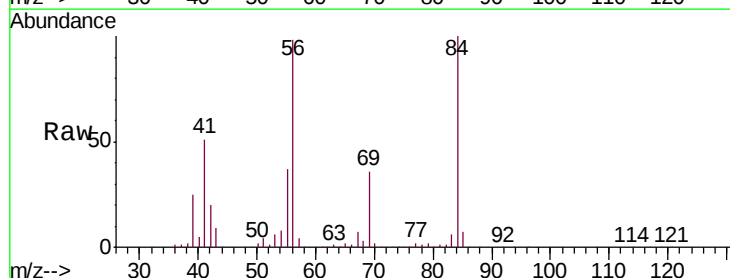
Tgt Ion: 84 Resp: 1446478

Ion Ratio Lower Upper

84 100

56 104.3 84.6 127.0

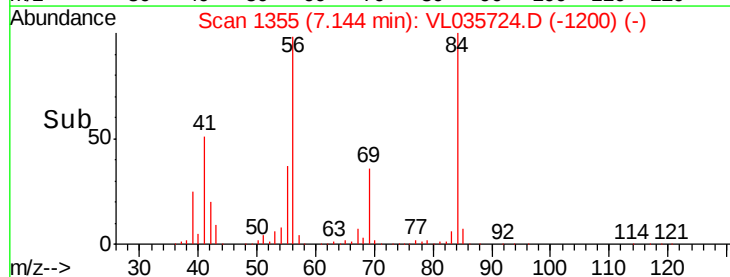
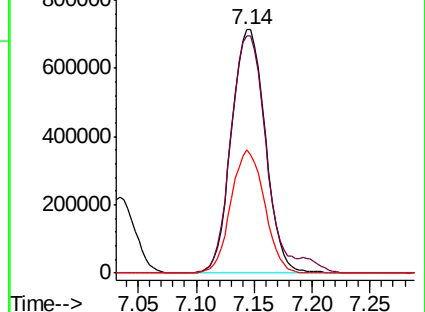
41 50.3 41.1 61.7

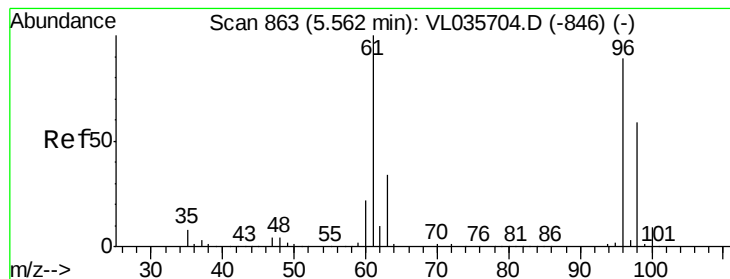


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 11.383 ppbv

RT: 5.56 min Scan# 862

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

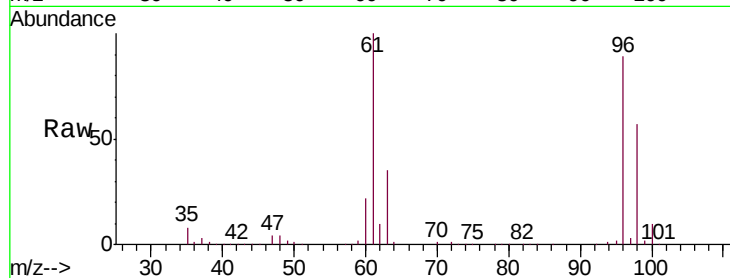
Tgt Ion: 61 Resp: 1419035

Ion Ratio Lower Upper

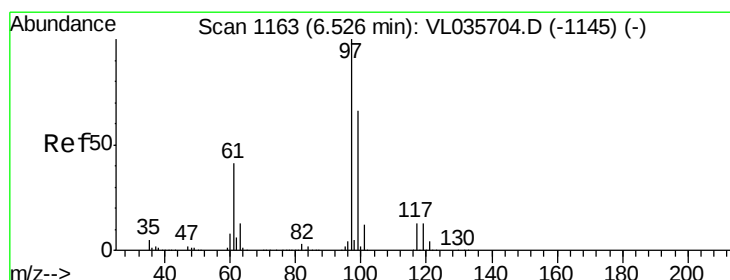
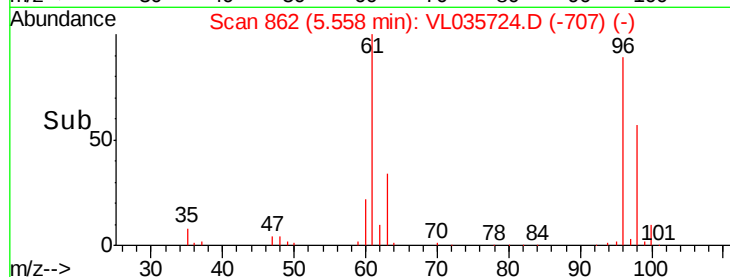
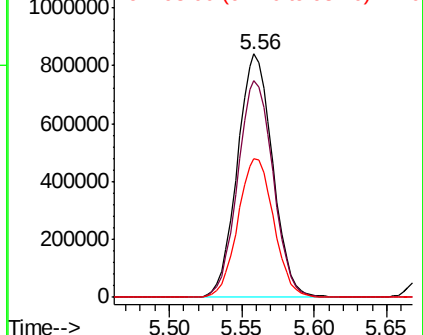
61 100

96 89.1 71.4 107.2

98 57.1 47.4 71.2



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: 11.085 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

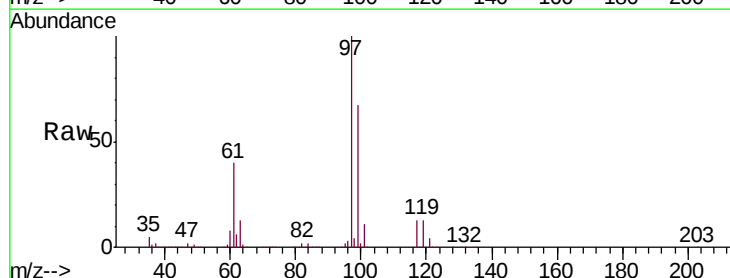
Tgt Ion: 97 Resp: 2562478

Ion Ratio Lower Upper

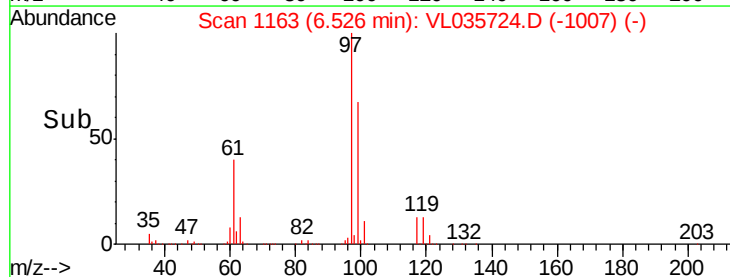
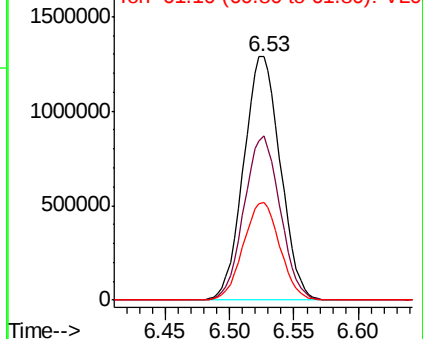
97 100

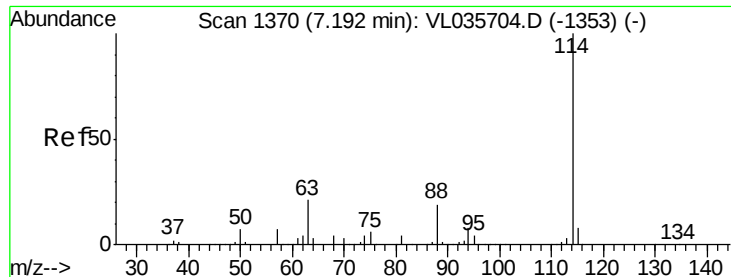
99 66.3 52.7 79.1

61 40.0 32.7 49.1



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

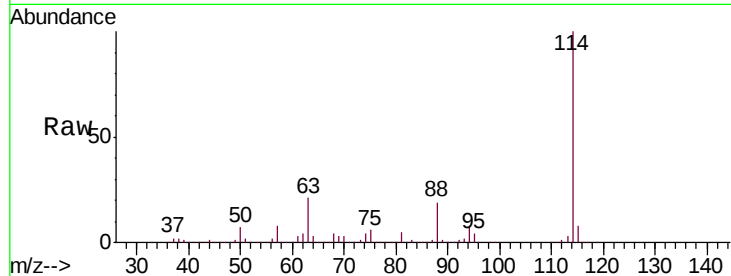




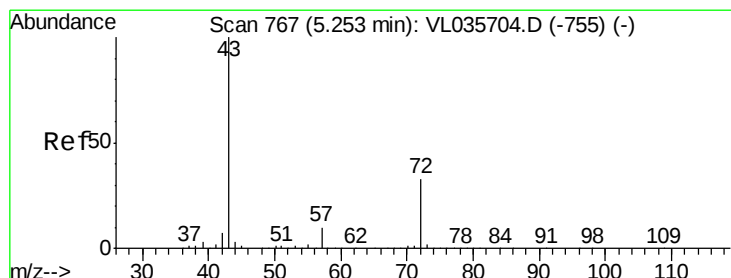
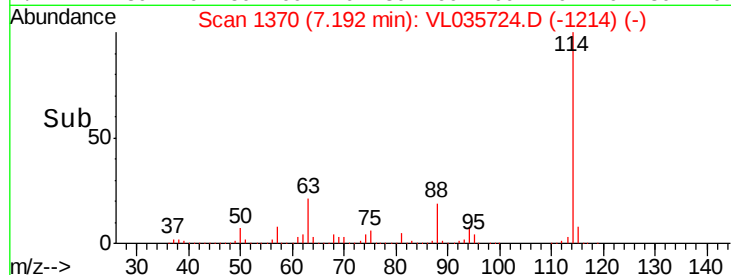
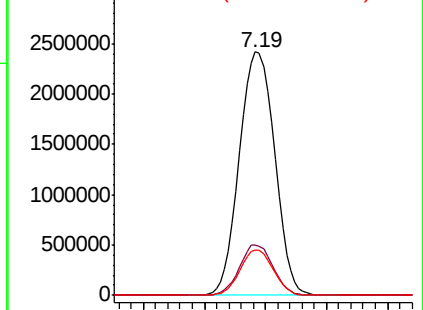
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 4849656
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.1 24.1
 88 17.5 14.1 21.1

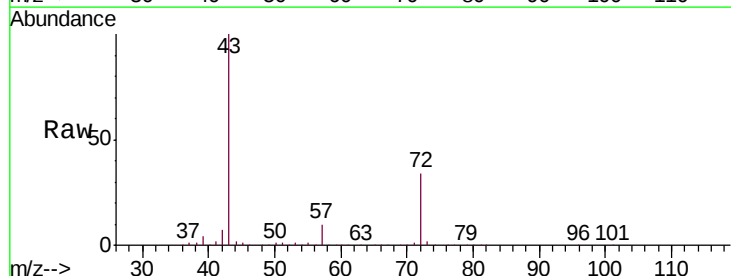


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

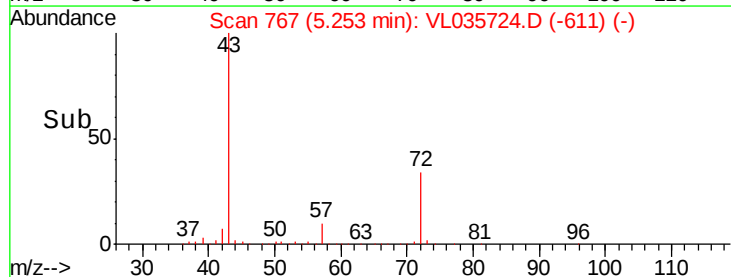
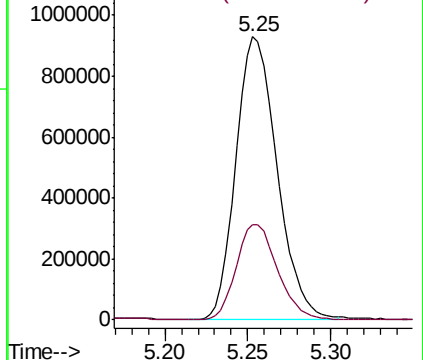


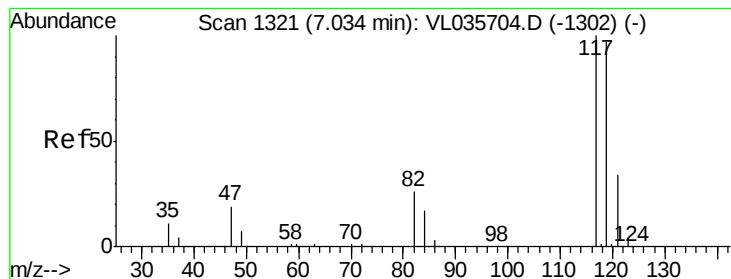
#34
 2-Butanone
 Concen: 10.028 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 43 Resp: 1608562
 Ion Ratio Lower Upper
 43 100
 72 34.0 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: 10.279 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

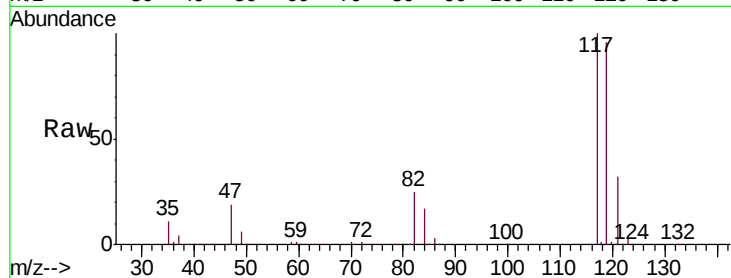
Tgt Ion:117 Resp: 2599152

Ion Ratio Lower Upper

117 100

119 96.0 77.7 116.5

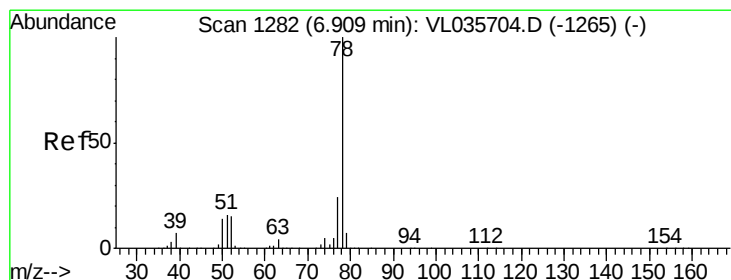
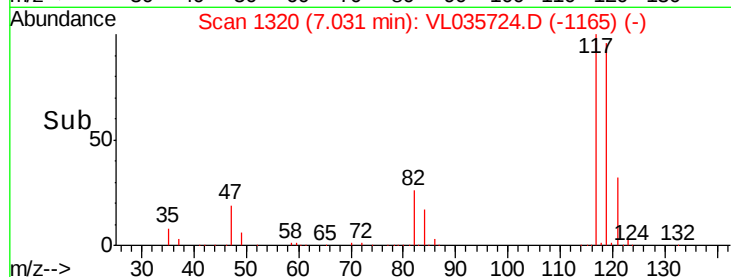
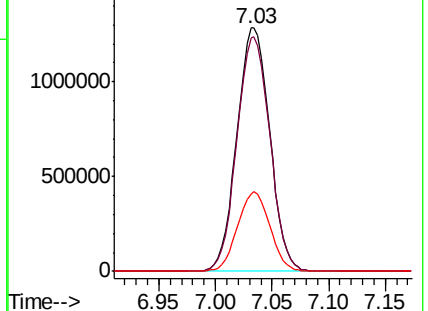
121 31.9 26.9 40.3



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: 10.569 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

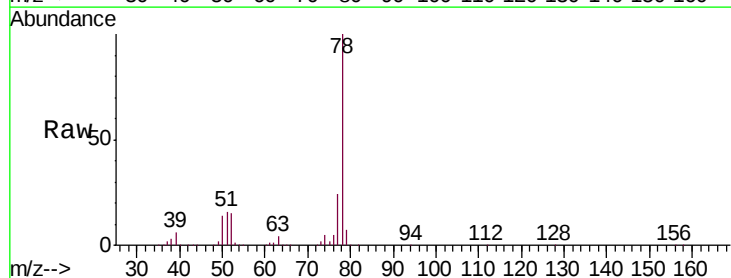
Tgt Ion: 78 Resp: 3339751

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

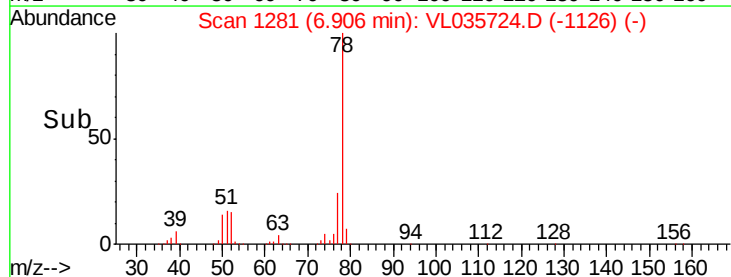
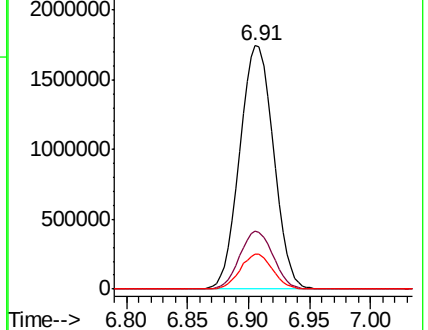
50 14.2 11.6 17.4

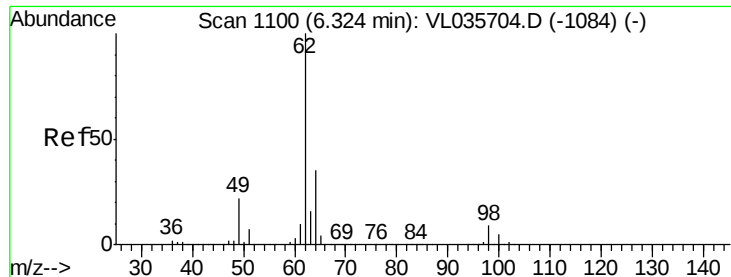


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

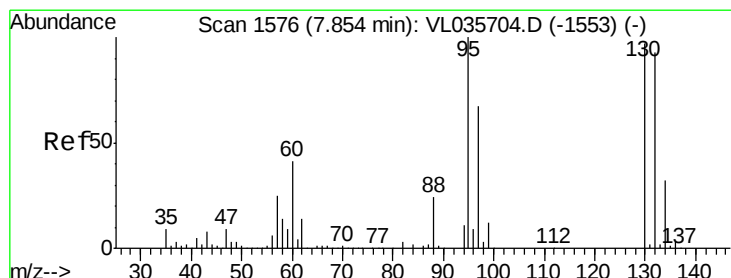
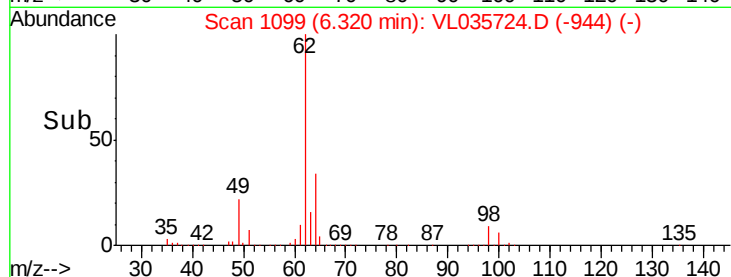
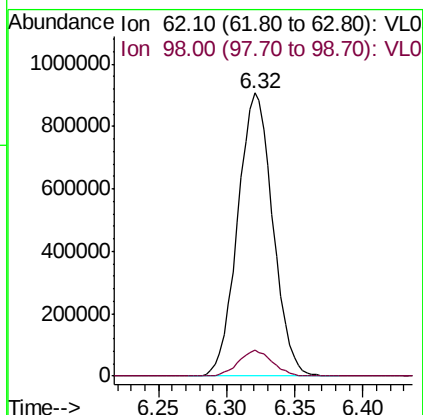
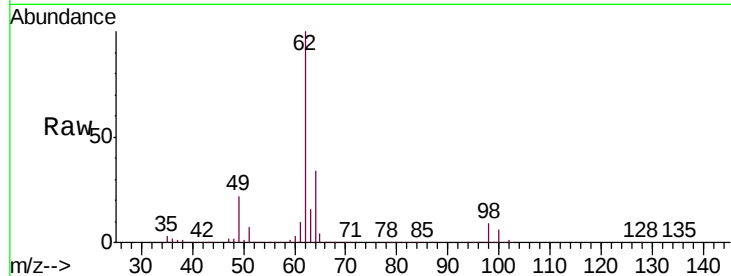




#37
 1,2-Dichloroethane
 Concen: 9.837 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

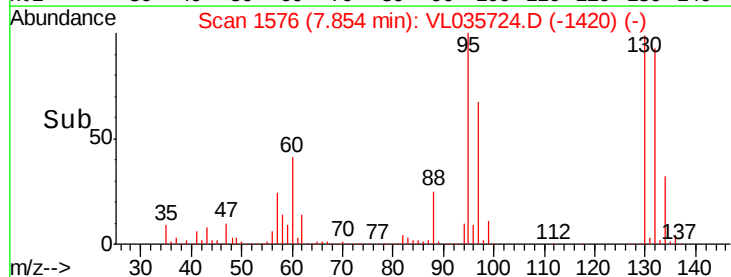
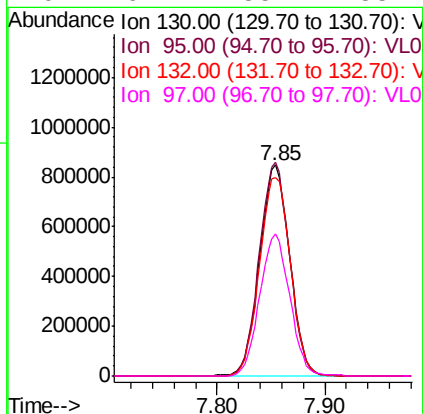
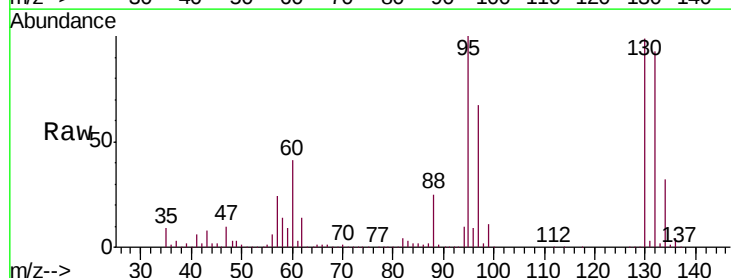
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

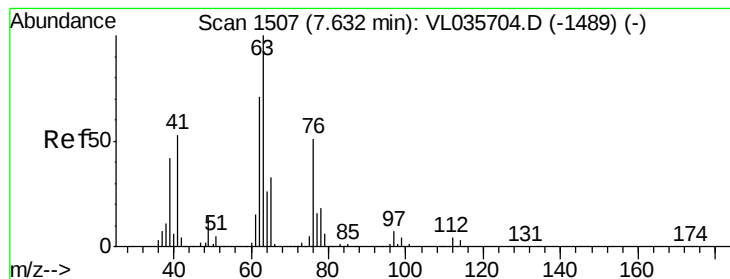
Tgt Ion: 62 Resp: 1620226
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.9 10.3



#38
 Trichloroethene
 Concen: 10.440 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 130 Resp: 1645706
 Ion Ratio Lower Upper
 130 100
 95 101.3 82.4 123.6
 132 94.0 76.8 115.2
 97 67.4 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.039 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

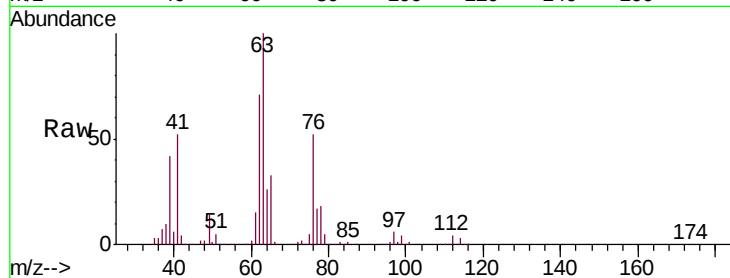
Tgt Ion: 63 Resp: 1149905

Ion Ratio Lower Upper

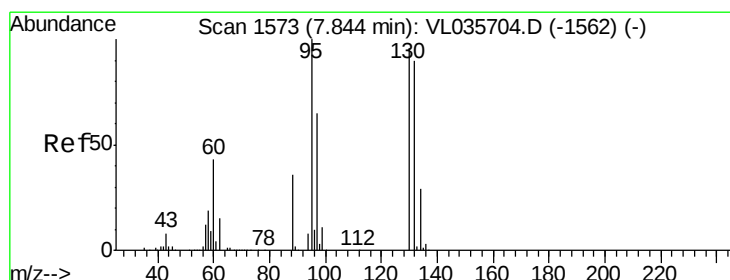
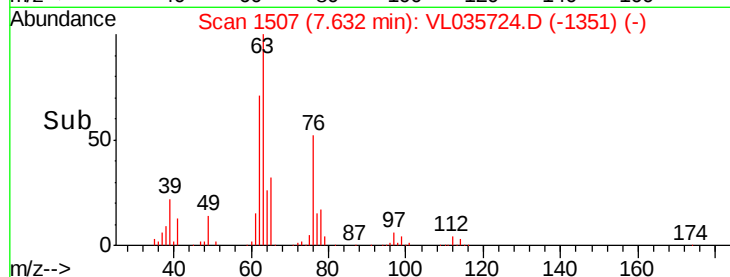
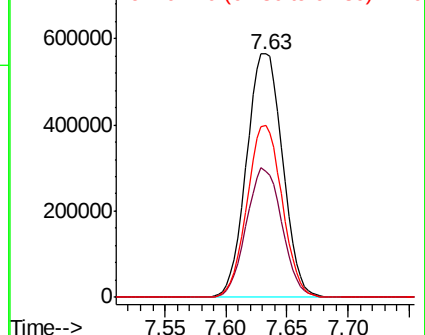
63 100

41 51.4 42.6 63.8

62 70.8 56.5 84.7



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.528 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 88 Resp: 551465

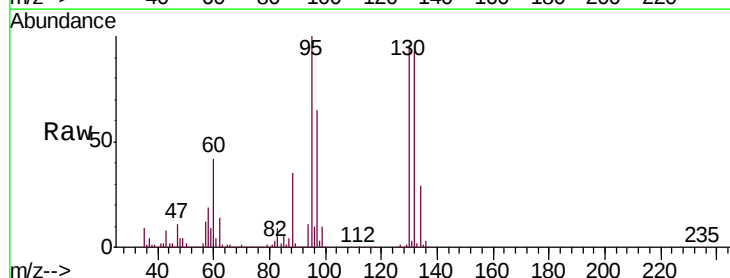
Ion Ratio Lower Upper

88 100

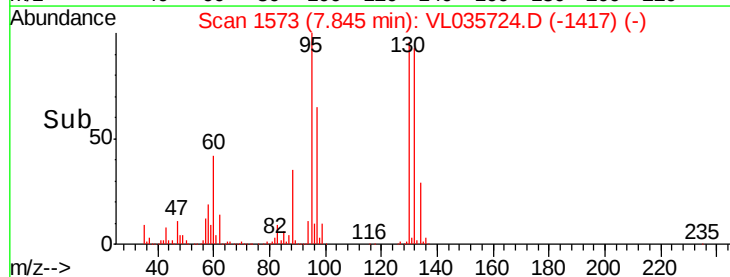
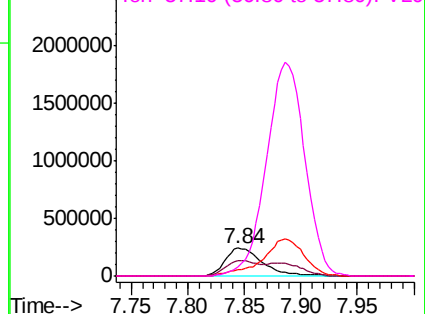
58 93.8 76.2 114.4

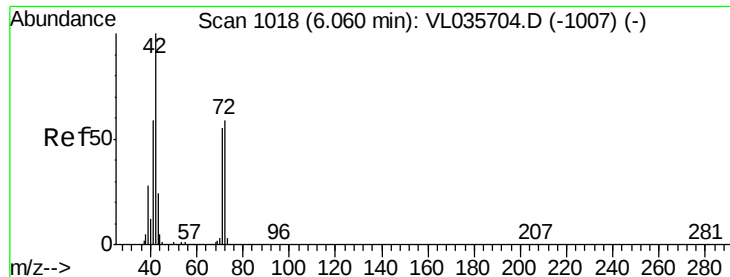
43 148.1 123.4 185.2

57 795.1 652.5 978.7



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.432 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

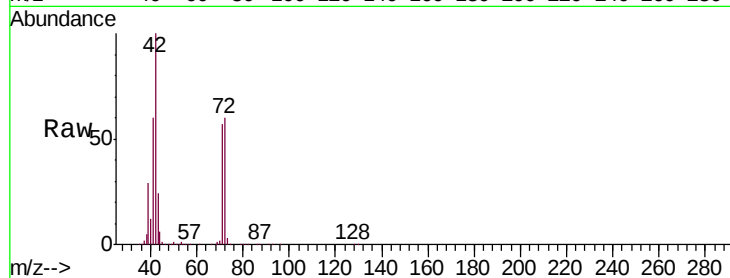
Tgt Ion: 42 Resp: 923833

Ion Ratio Lower Upper

42 100

72 59.0 46.2 69.4

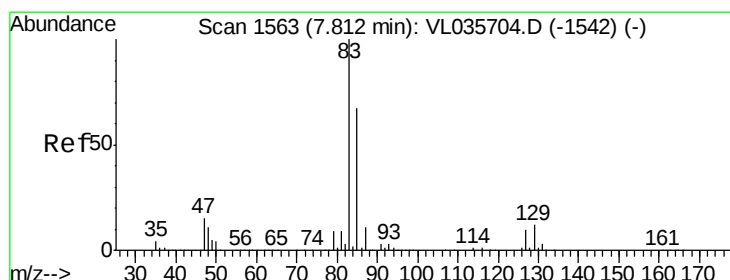
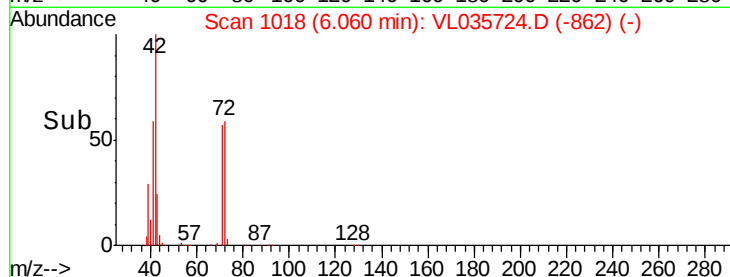
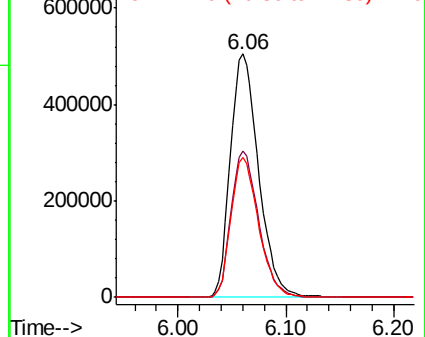
71 56.1 44.2 66.4



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: 10.306 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

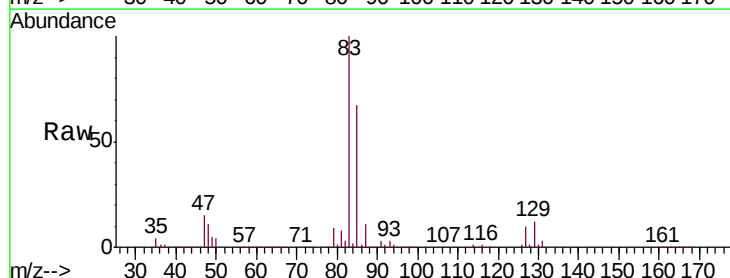
Tgt Ion: 83 Resp: 2734304

Ion Ratio Lower Upper

83 100

85 66.9 53.4 80.0

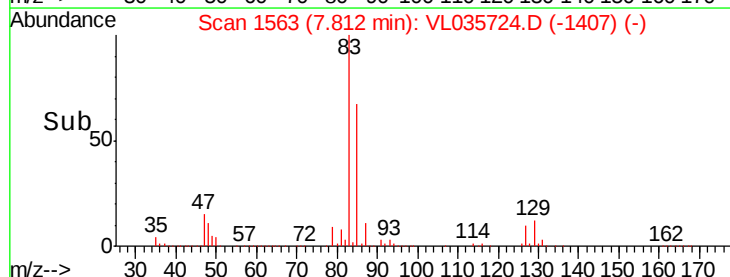
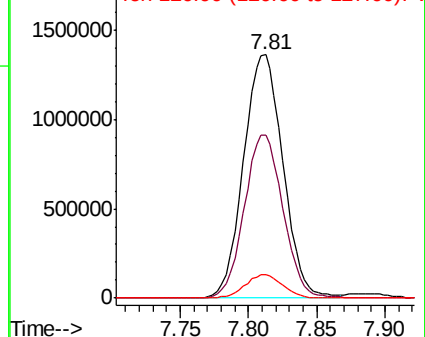
127 9.6 7.8 11.6

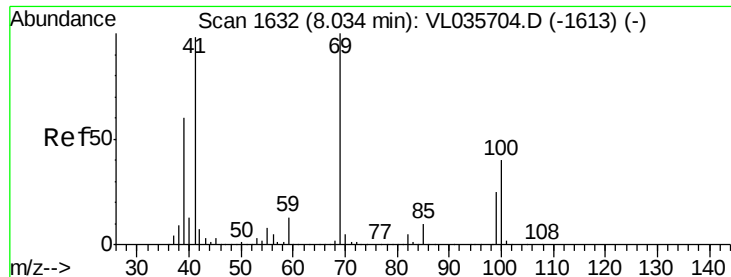


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

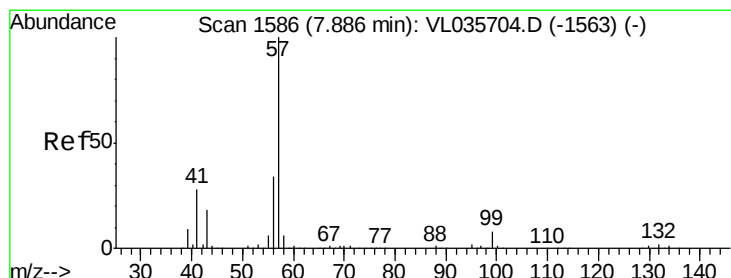
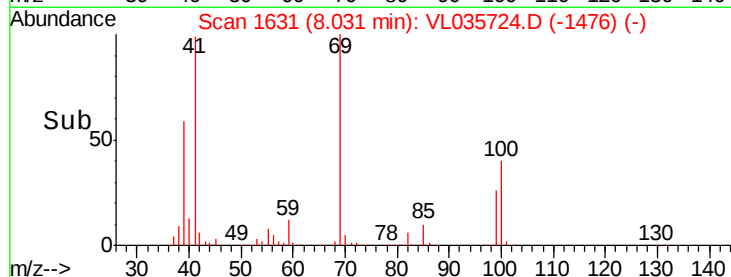
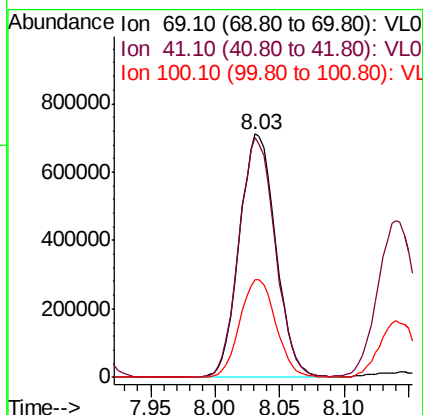
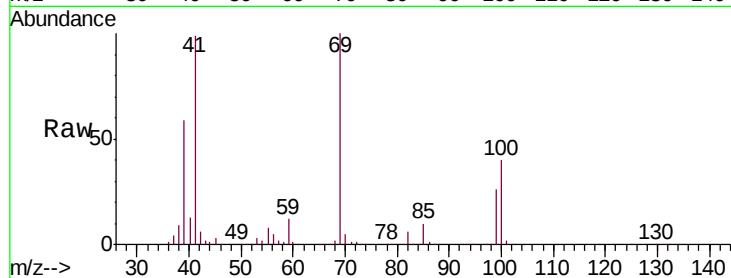




#43
Methyl Methacrylate
Concen: 11.112 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

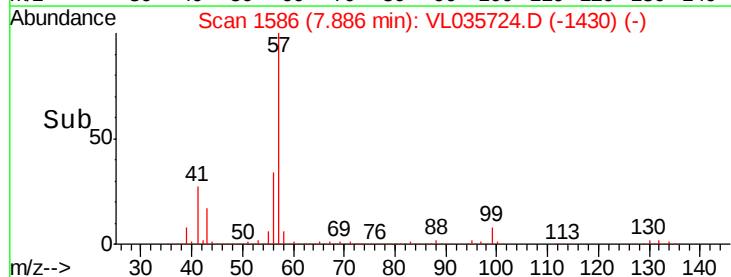
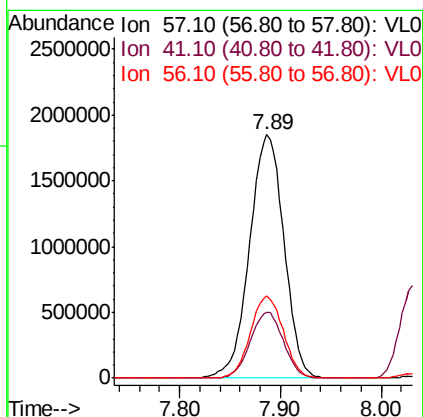
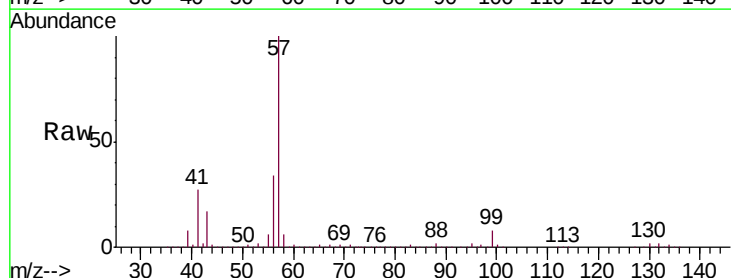
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

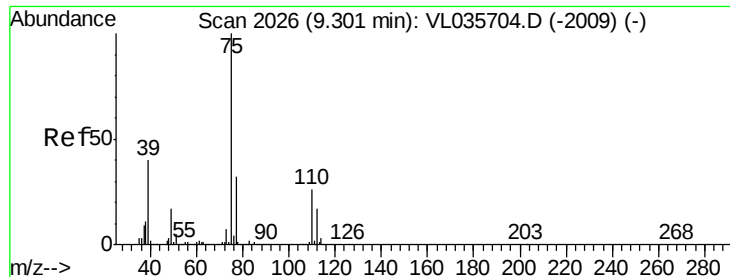
Tgt Ion: 69 Resp: 1396572
Ion Ratio Lower Upper
69 100
41 98.3 79.8 119.6
100 39.9 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.658 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 57 Resp: 4379262
Ion Ratio Lower Upper
57 100
41 26.2 21.2 31.8
56 32.1 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 12.468 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

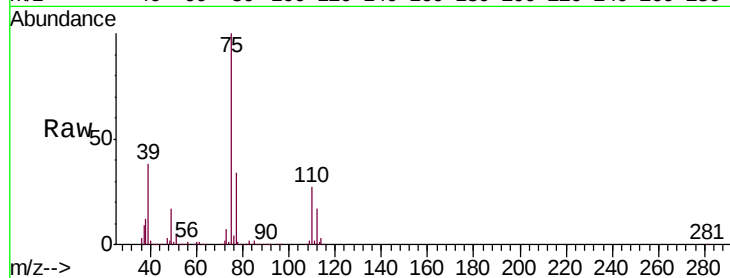
VSTDCCC010

Tgt Ion: 75 Resp: 1582016

Ion Ratio Lower Upper

75 100

77 34.2 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

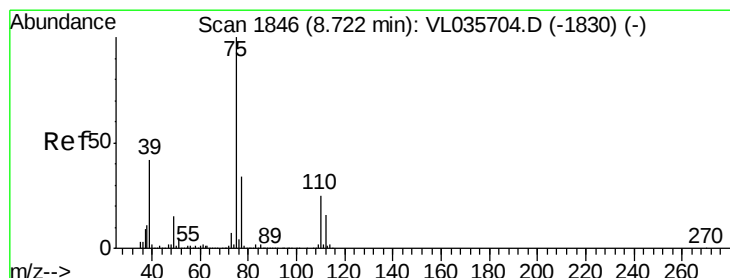
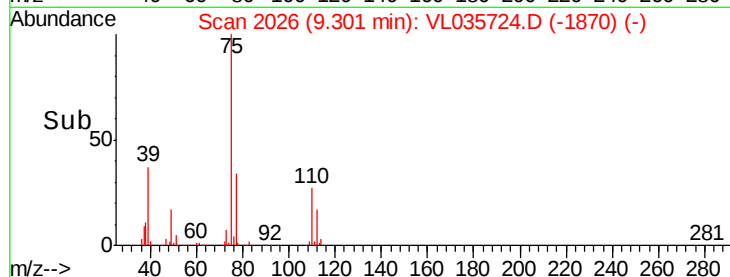
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35 9.40



#46

cis-1,3-Dichloropropene

Concen: 12.064 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

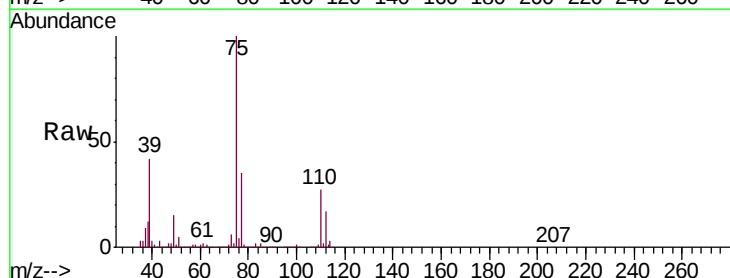
Tgt Ion: 75 Resp: 1886859

Ion Ratio Lower Upper

75 100

39 42.0 33.9 50.9

77 34.7 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

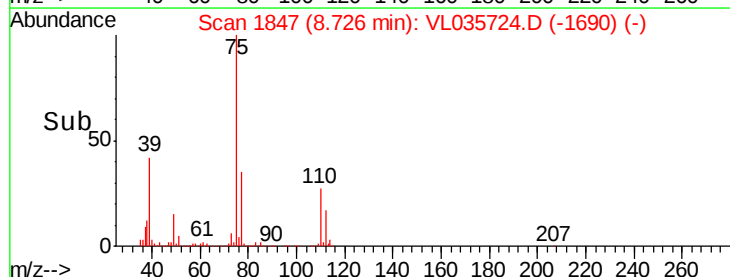
8.73

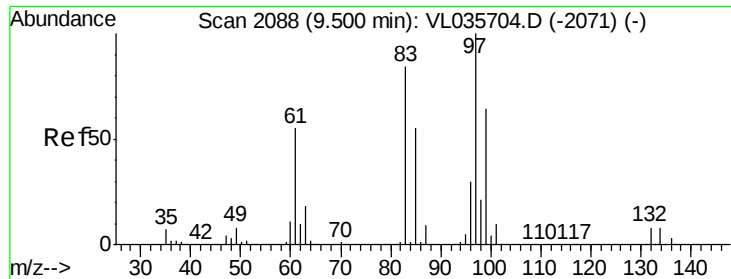
1000000

500000

0

Time--> 8.65 8.70 8.75 8.80

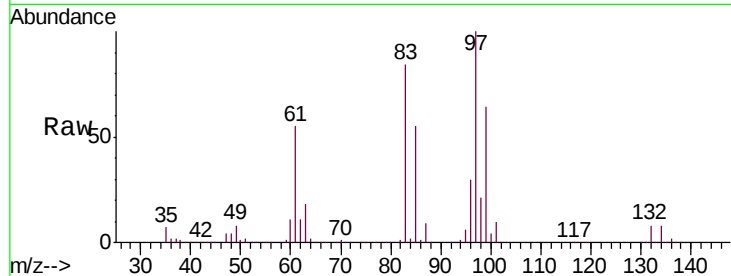




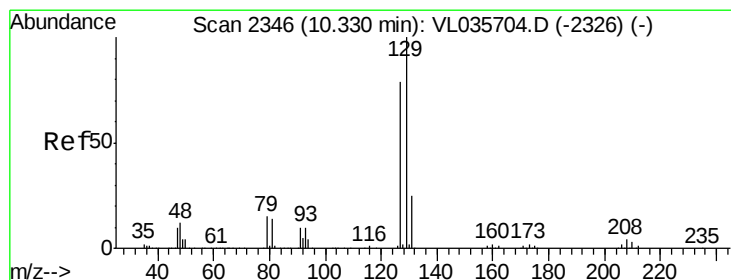
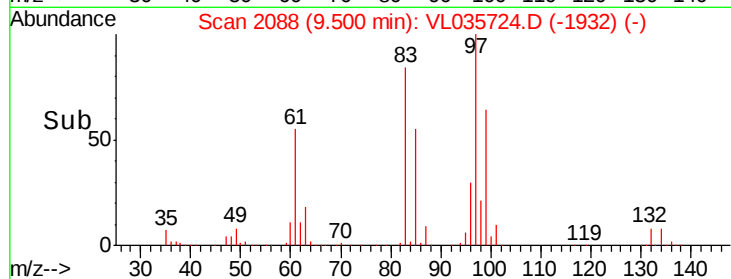
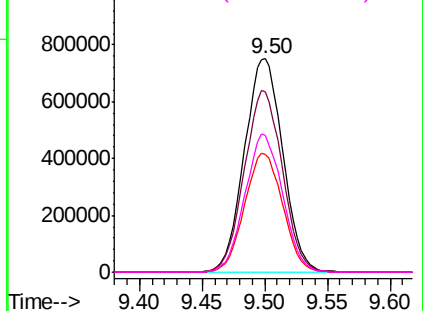
#47
 1,1,2-Trichloroethane
 Concen: 9.790 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1606217
 Ion Ratio Lower Upper
 97 100
 83 84.4 67.1 100.7
 85 55.4 43.9 65.9
 99 64.3 51.3 76.9

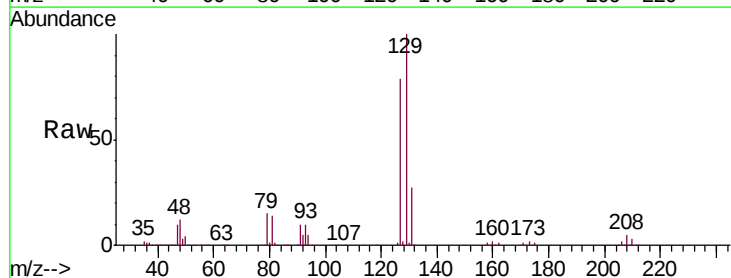


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

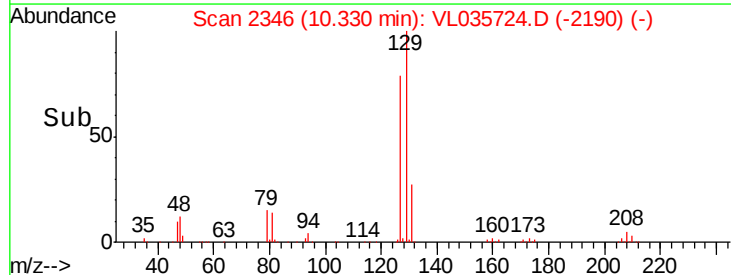
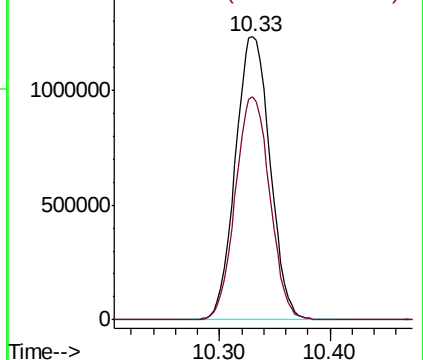


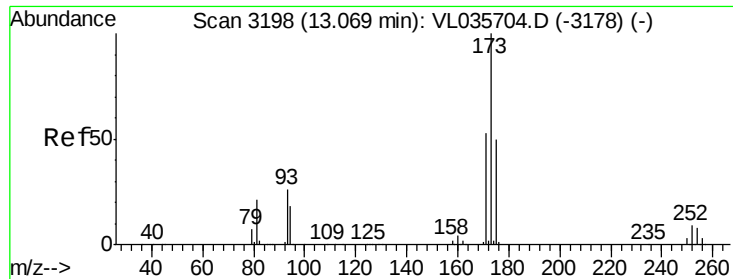
#48
 Dibromochloromethane
 Concen: 10.782 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 129 Resp: 2692054
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.330 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

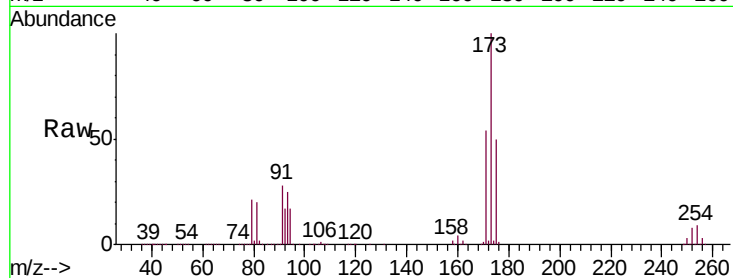
Tgt Ion:173 Resp: 2400309

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

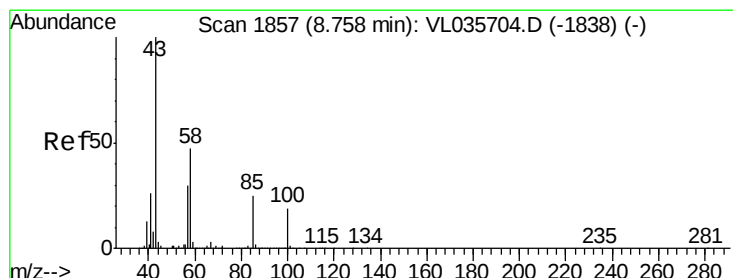
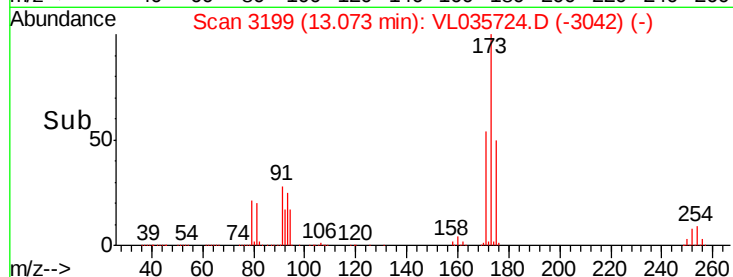
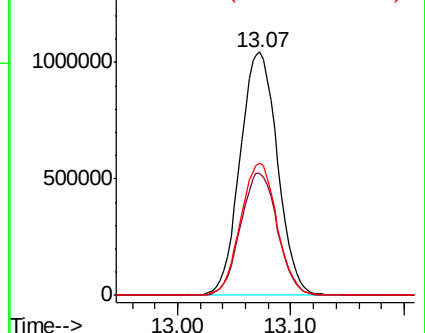
171 53.3 42.8 64.2



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: 10.045 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL035724.D

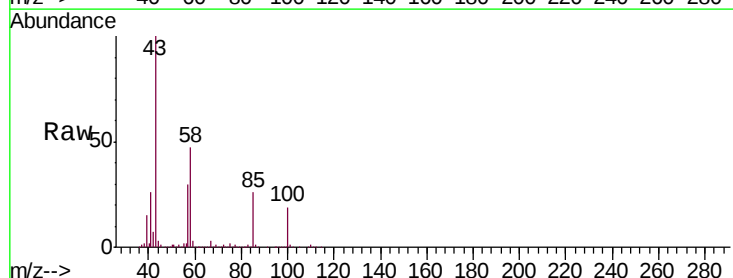
Acq: 29 Sep 2020 10:30

Tgt Ion: 43 Resp: 2353538

Ion Ratio Lower Upper

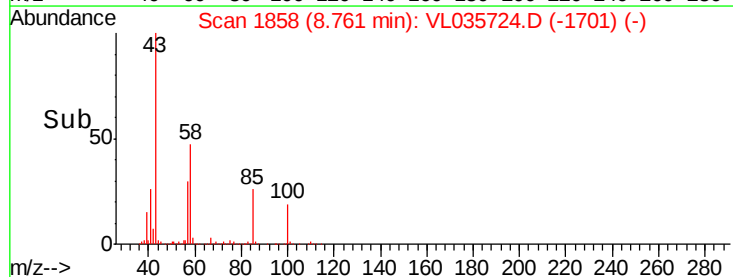
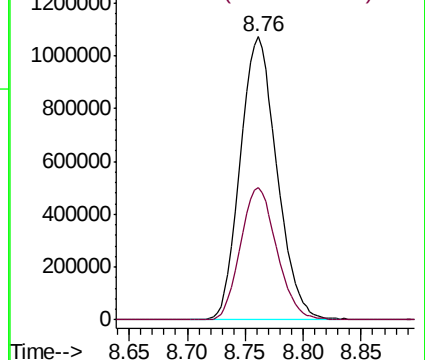
43 100

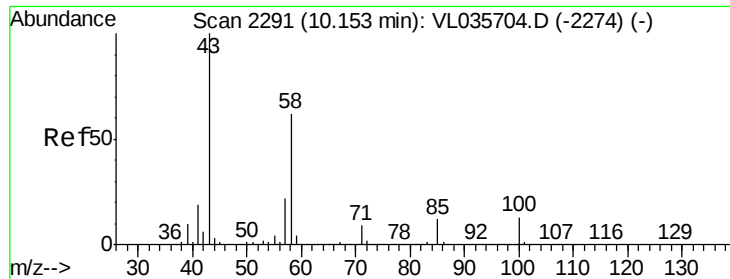
58 46.4 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.487 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

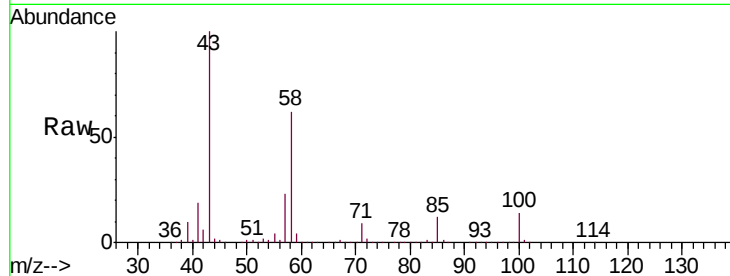
Tgt Ion: 43 Resp: 1979492

Ion Ratio Lower Upper

43 100

58 62.0 48.7 73.1

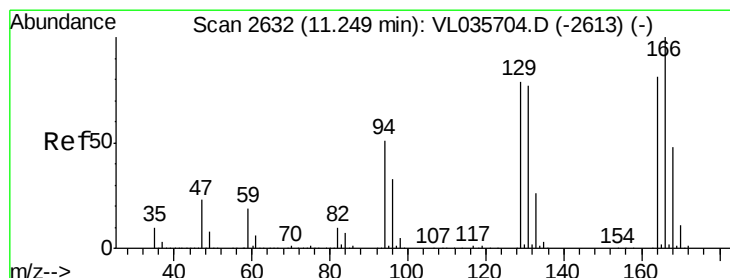
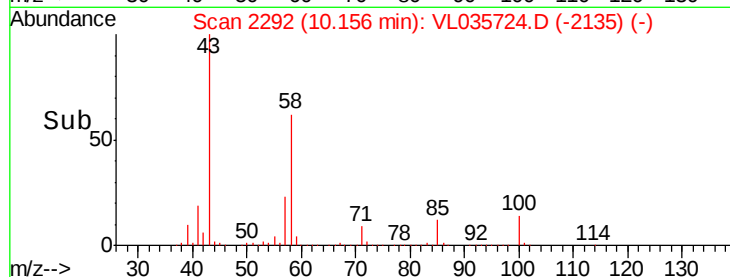
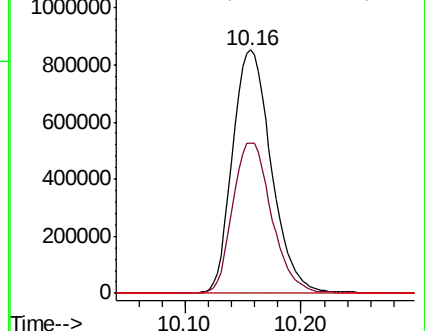
98 0.6 0.7 1.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.381 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 164 Resp: 1577554

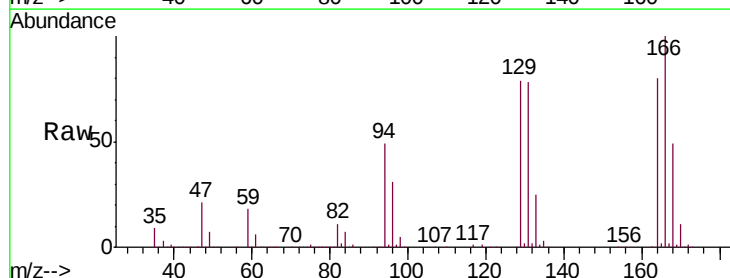
Ion Ratio Lower Upper

164 100

166 125.5 98.7 148.1

129 99.2 78.4 117.6

131 97.3 76.2 114.2

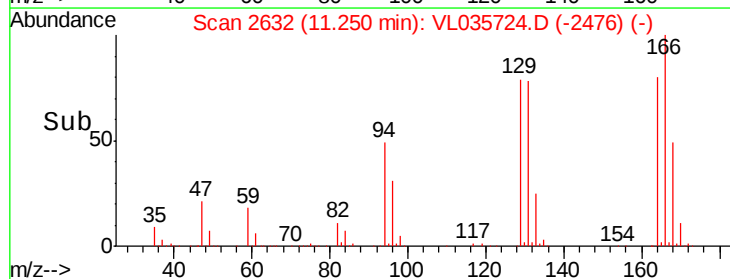
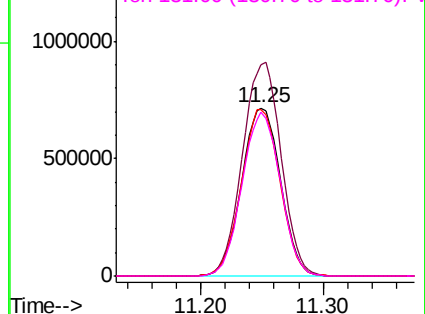


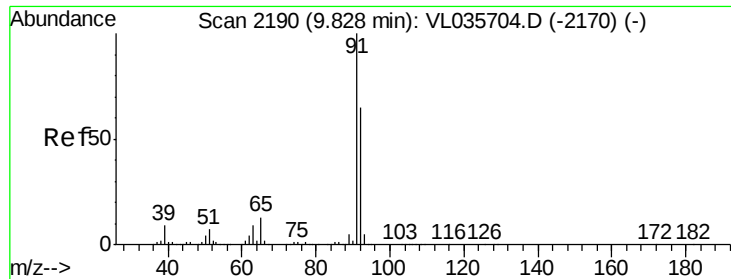
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.015 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

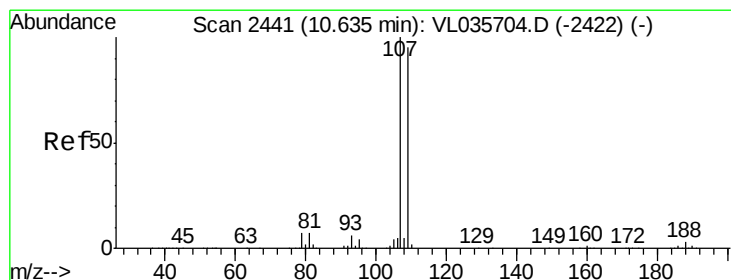
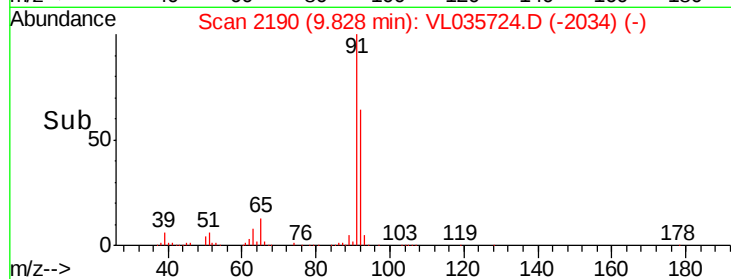
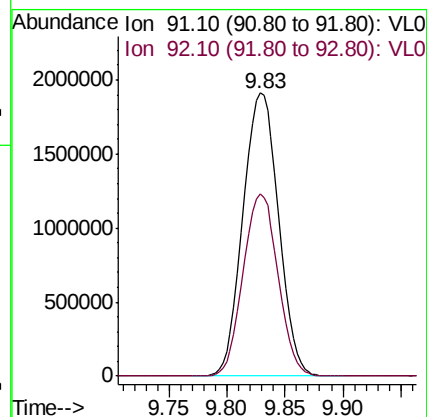
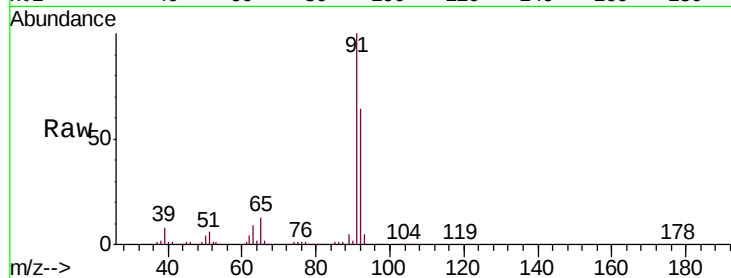
VSTDCCC010

Tgt Ion: 91 Resp: 4104470

Ion Ratio Lower Upper

91 100

92 62.9 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.259 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035724.D

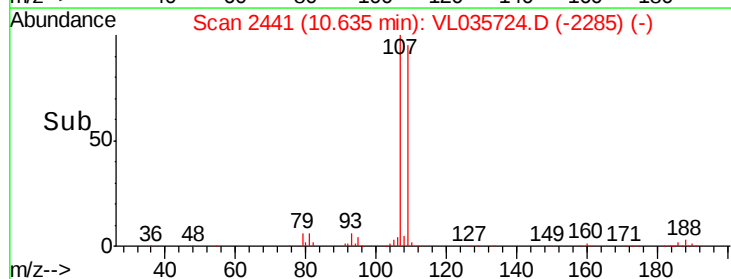
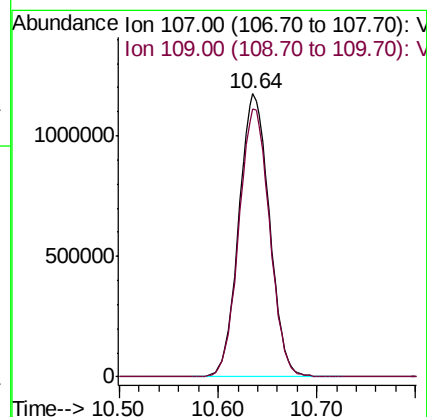
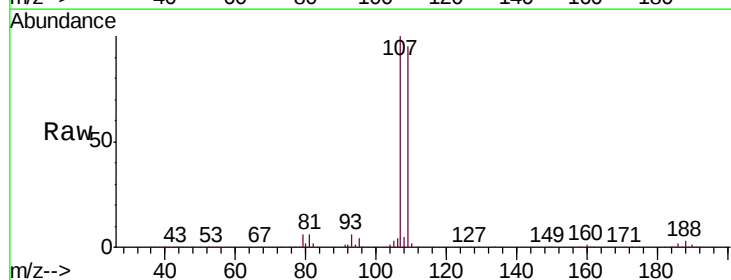
Acq: 29 Sep 2020 10:30

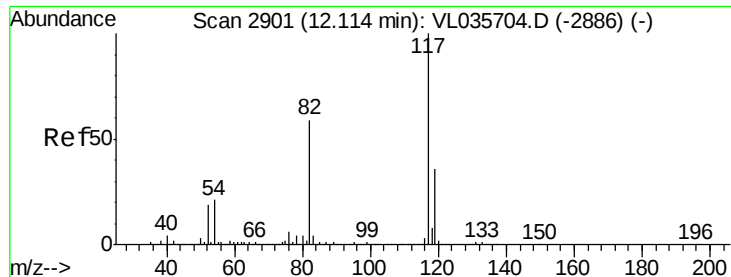
Tgt Ion: 107 Resp: 2520286

Ion Ratio Lower Upper

107 100

109 94.9 76.0 114.0

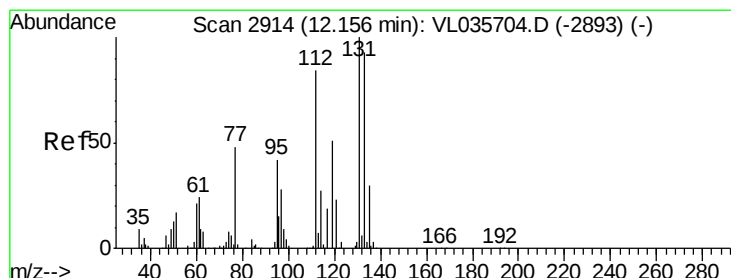
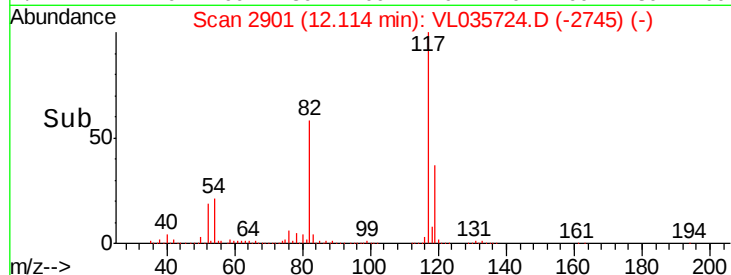
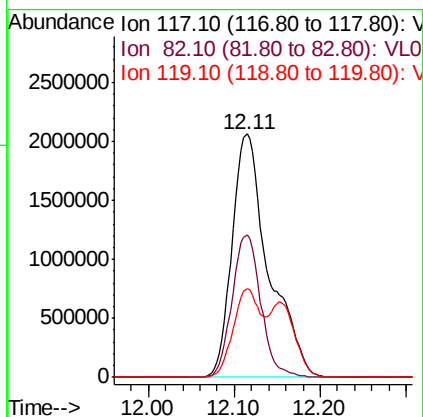
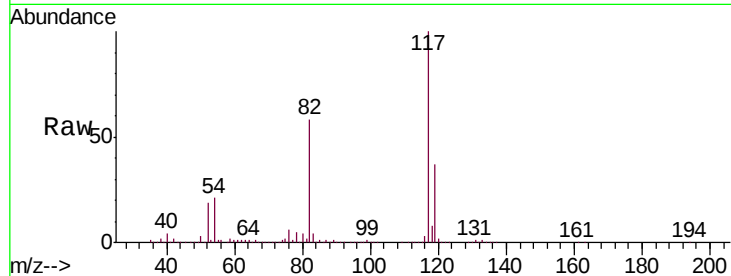




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

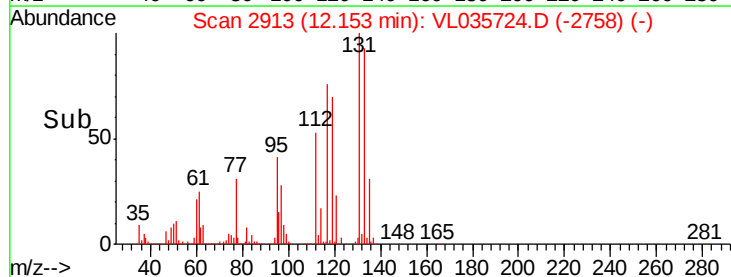
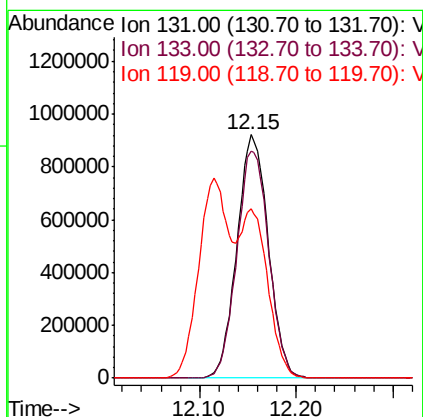
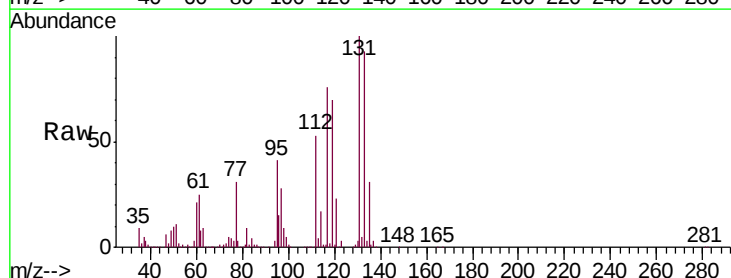
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

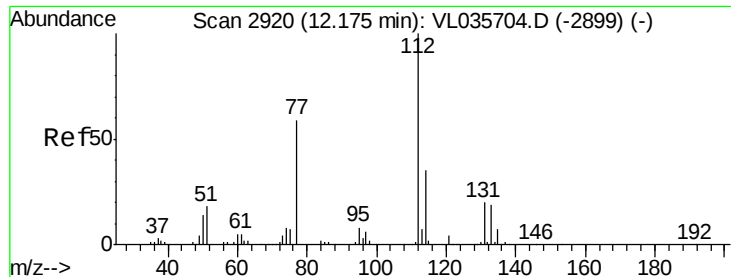
Tgt Ion:117 Resp: 6103259
Ion Ratio Lower Upper
117 100
82 46.2 46.1 69.1
119 28.0 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.093 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion:131 Resp: 2071184
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.4
119 62.5 52.4 78.6

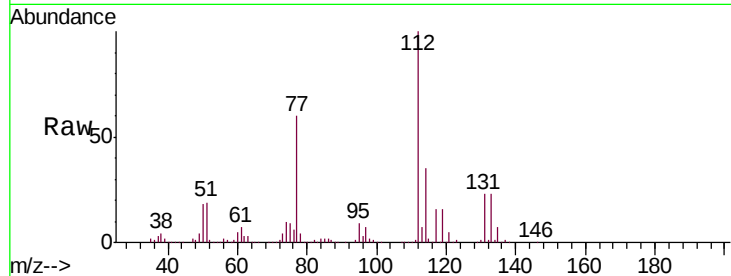




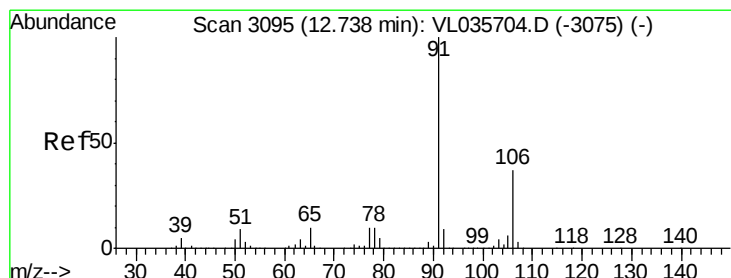
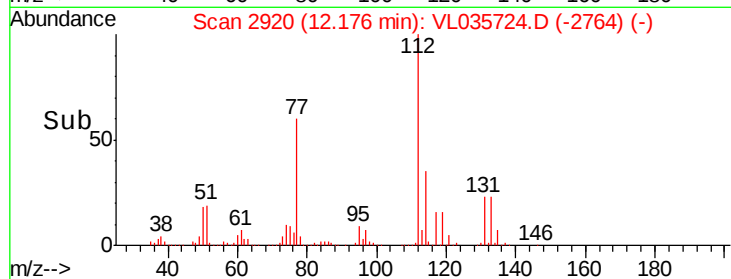
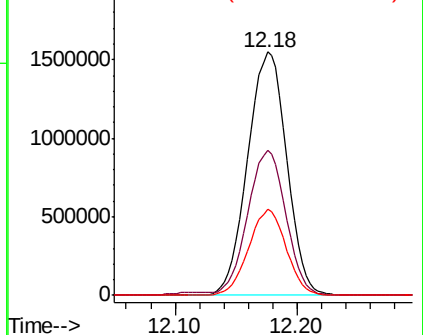
#57
Chlorobenzene
Concen: 7.446 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 3432334
Ion Ratio Lower Upper
112 100
77 59.4 48.2 72.2
114 35.2 31.9 39.1

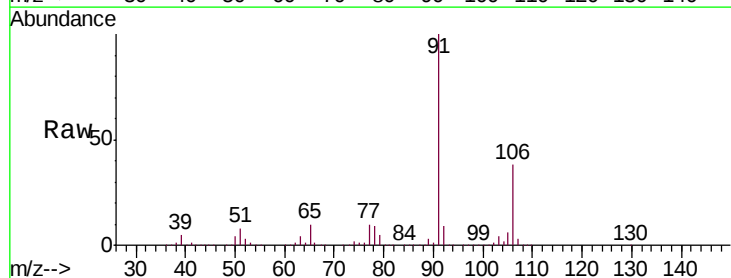


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

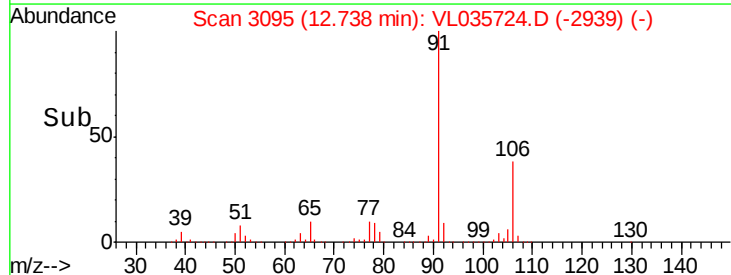
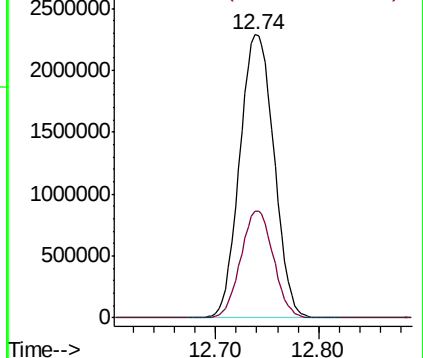


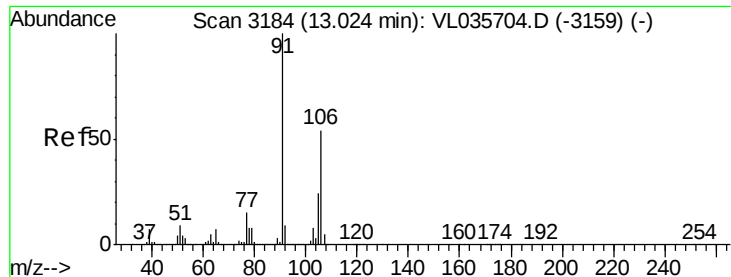
#58
Ethyl Benzene
Concen: 8.644 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 91 Resp: 5294876
Ion Ratio Lower Upper
91 100
106 37.5 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

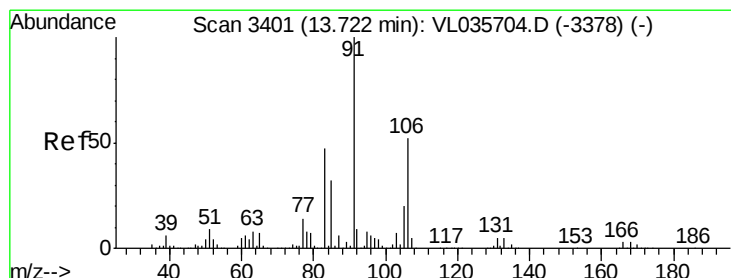
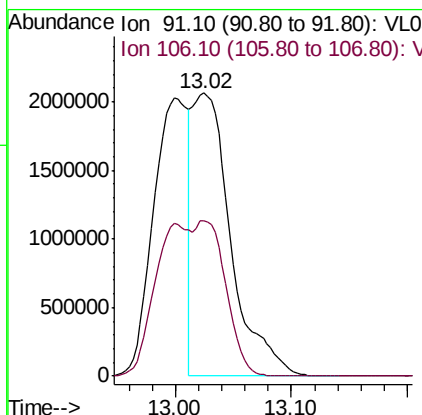
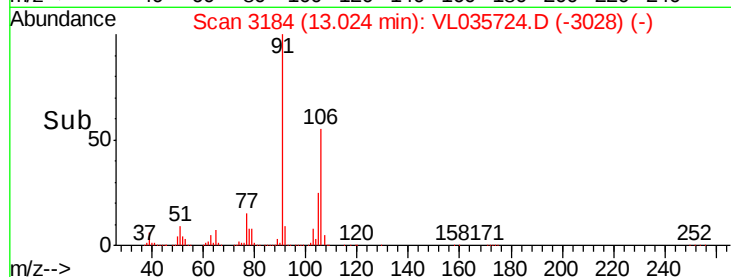
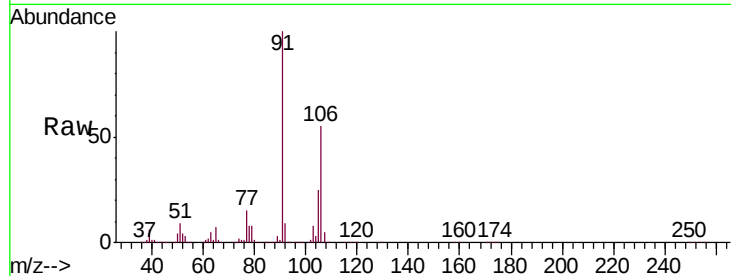




#59
m/p-Xylene
Concen: 8.875 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

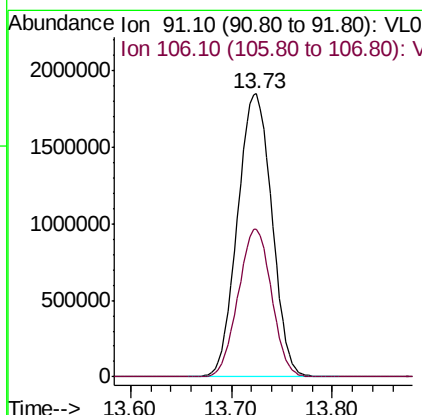
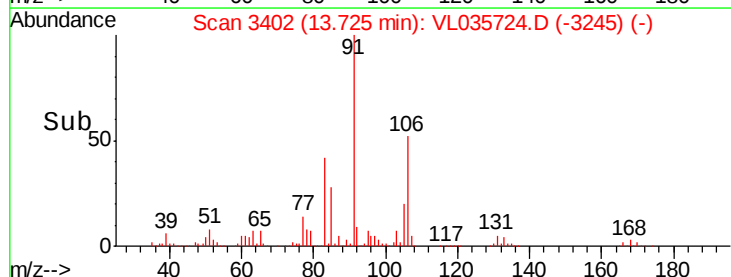
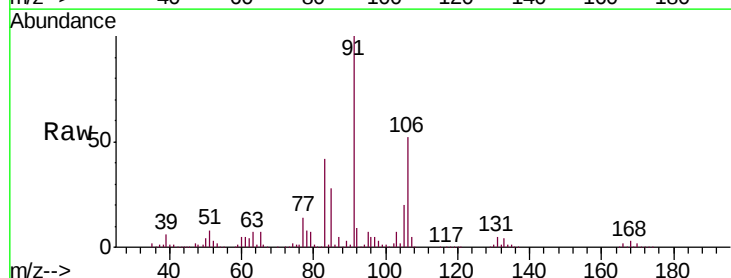
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

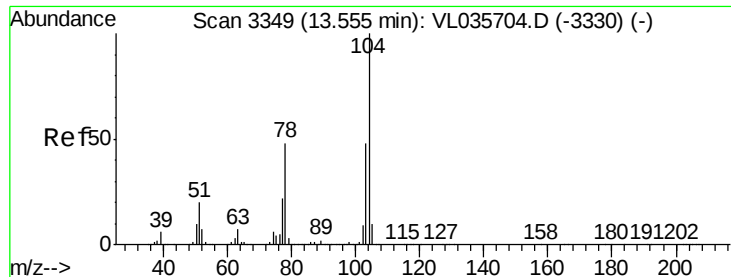
Tgt Ion: 91 Resp: 4747541
Ion Ratio Lower Upper
91 100
106 95.6 41.4 62.0#



#60
o-Xylene
Concen: 8.066 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 91 Resp: 4365046
Ion Ratio Lower Upper
91 100
106 50.7 25.0 75.0

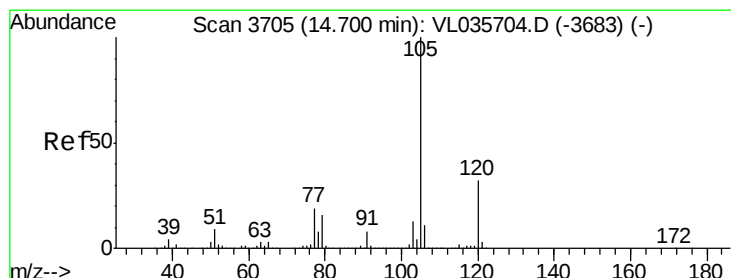
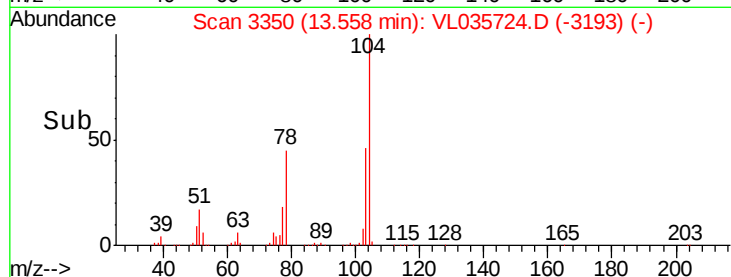
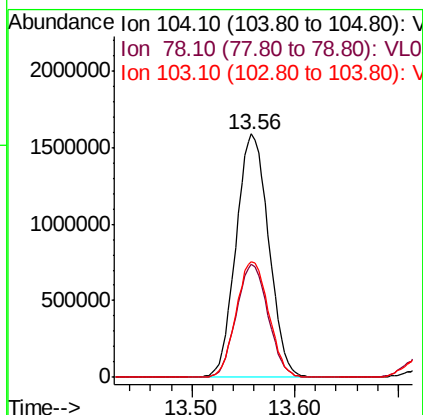
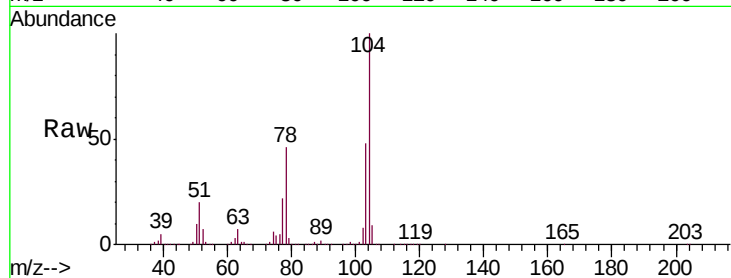




#61
Styrene
Concen: 9.361 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

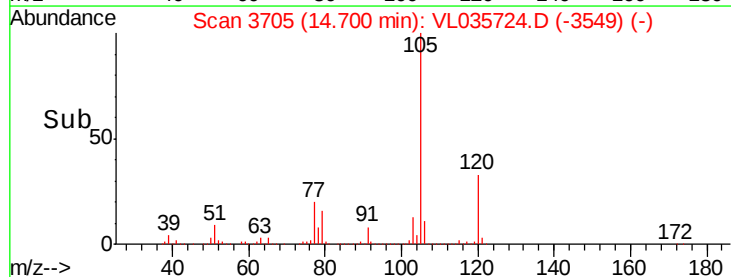
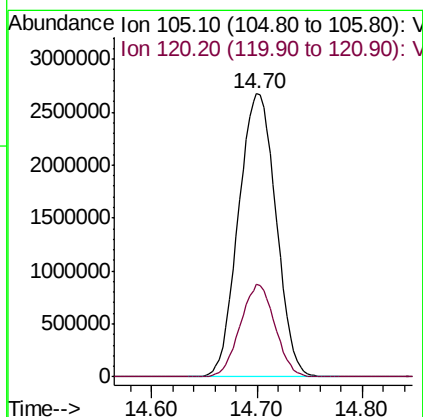
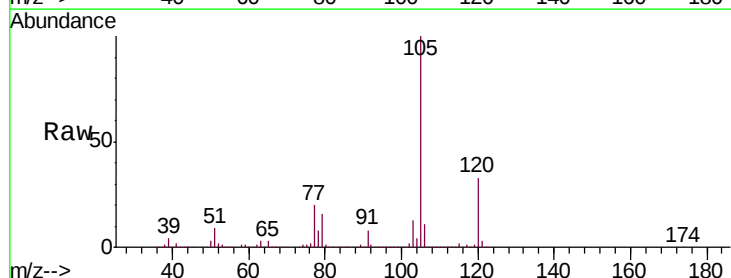
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

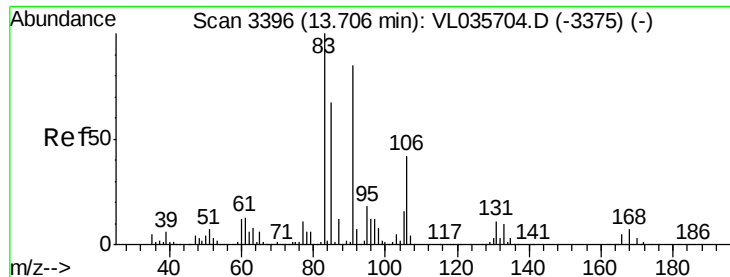
Tgt Ion:104 Resp: 3502667
Ion Ratio Lower Upper
104 100
78 45.5 37.2 55.8
103 47.5 38.2 57.2



#62
Isopropylbenzene
Concen: 7.867 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion:105 Resp: 6602928
Ion Ratio Lower Upper
105 100
120 30.4 24.1 36.1

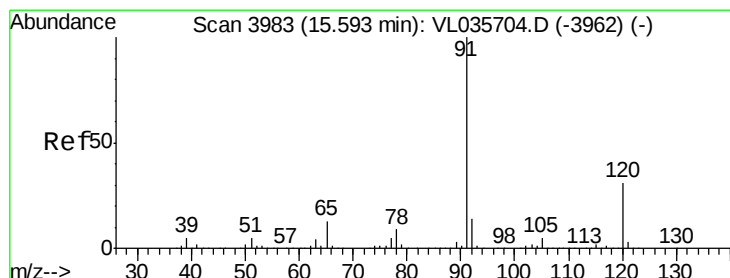
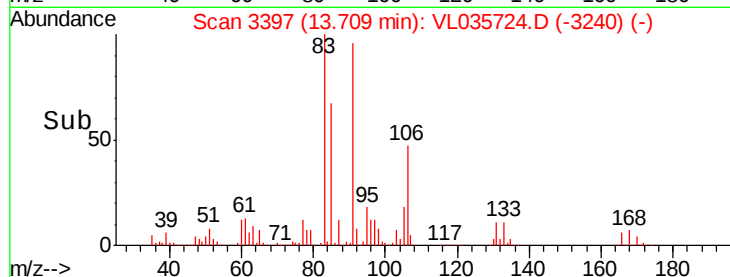
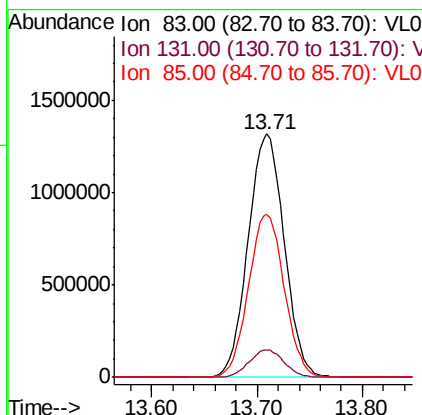
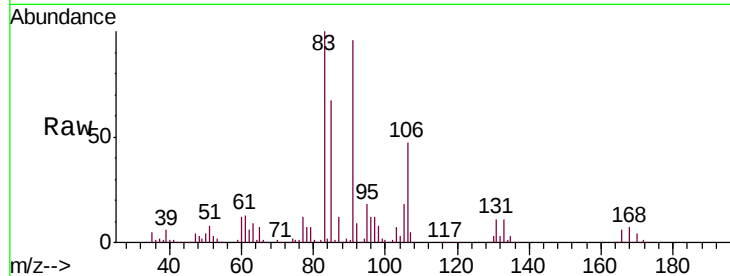




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.086 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

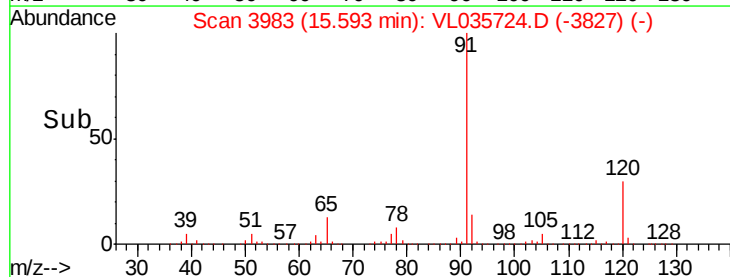
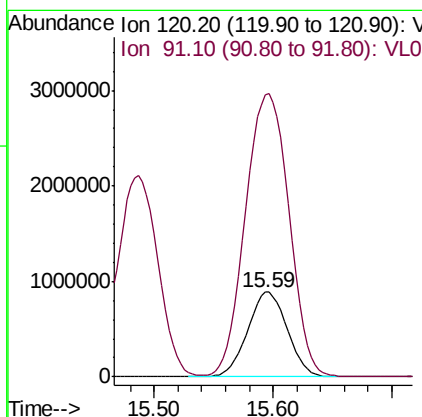
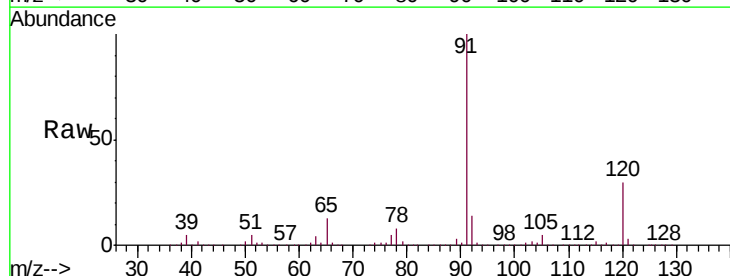
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

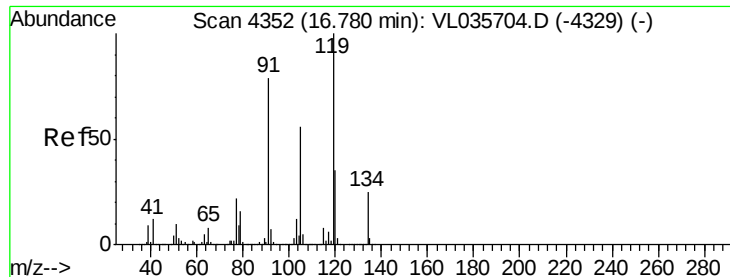
Tgt Ion: 83 Resp: 3144409
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 16.1
 85 66.8 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.322 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 120 Resp: 2044516
 Ion Ratio Lower Upper
 120 100
 91 369.7 300.4 450.6

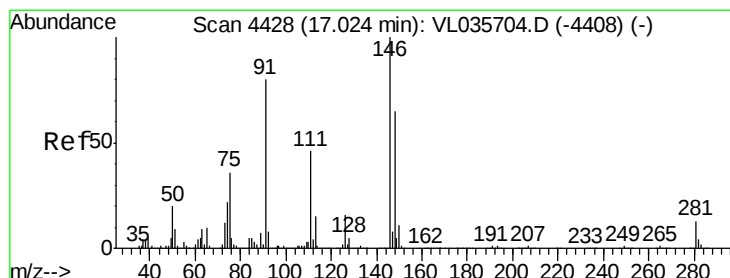
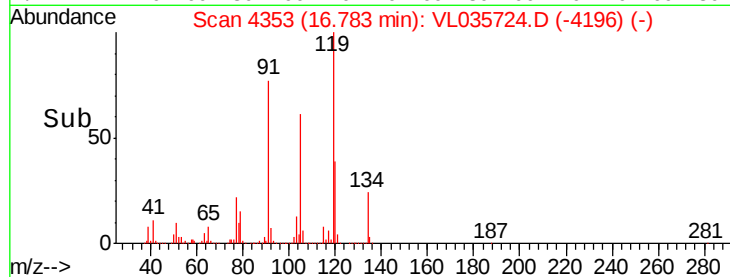
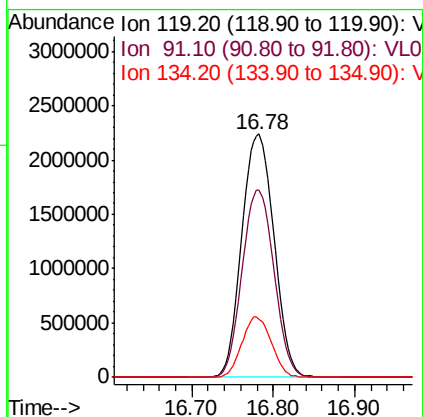
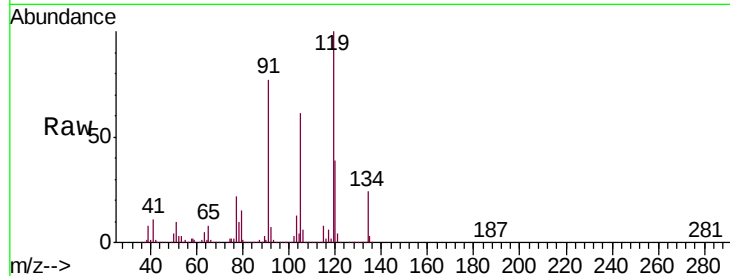




#65
 tert-Butylbenzene
 Concen: 7.991 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

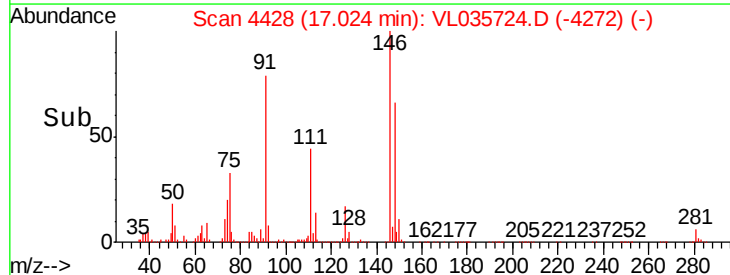
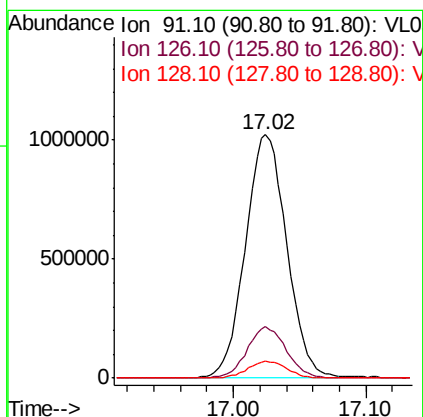
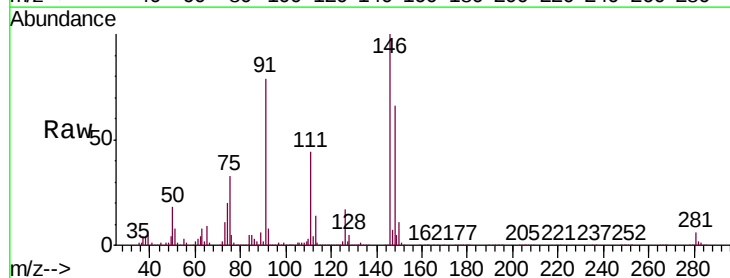
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

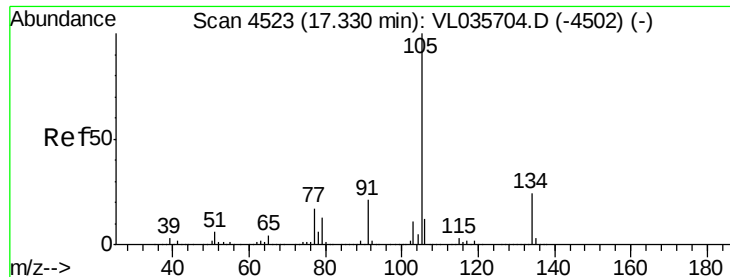
Tgt Ion: 119 Resp: 6097894
 Ion Ratio Lower Upper
 119 100
 91 76.2 62.4 93.6
 134 22.7 18.2 27.2



#66
 Benzyl Chloride
 Concen: 9.564 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 91 Resp: 2211246
 Ion Ratio Lower Upper
 91 100
 126 20.1 15.3 22.9
 128 6.6 5.0 7.4

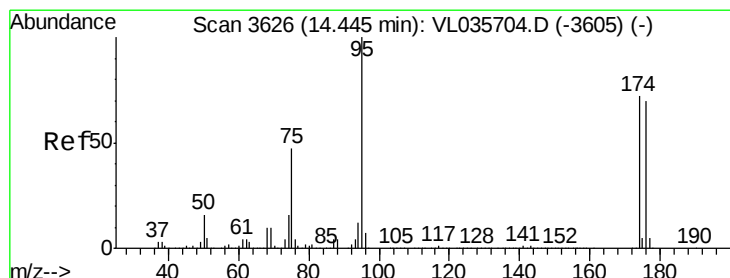
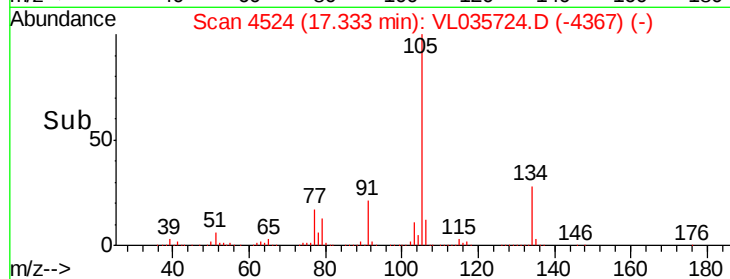
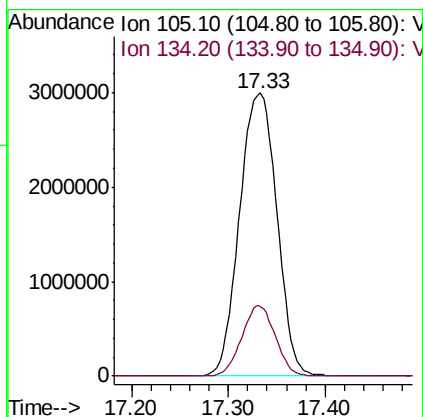
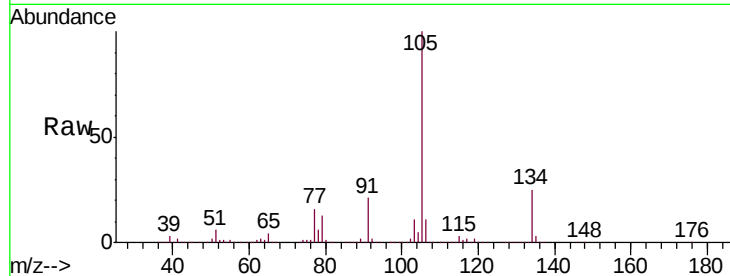




#67
 sec-Butylbenzene
 Concen: 7.623 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

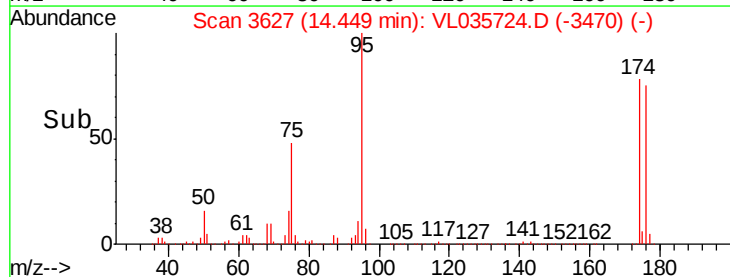
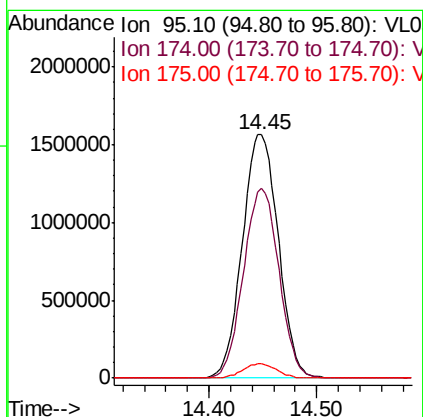
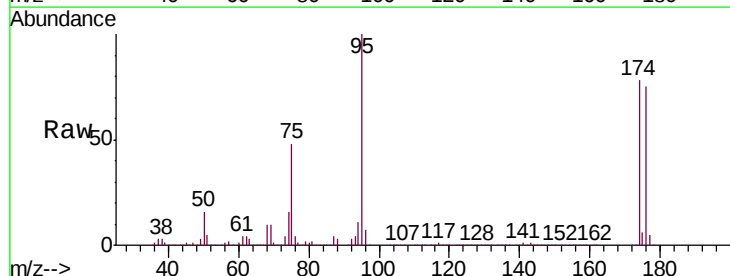
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

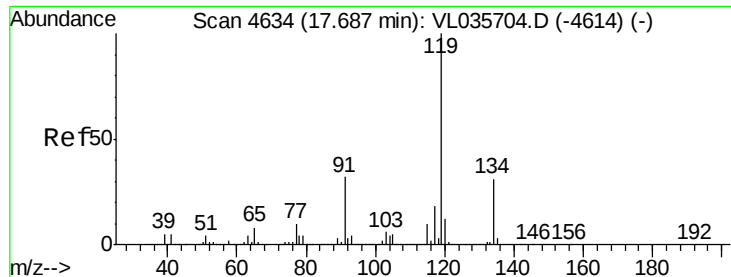
Tgt Ion: 105 Resp: 8033542
 Ion Ratio Lower Upper
 105 100
 134 22.4 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.928 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 95 Resp: 3625968
 Ion Ratio Lower Upper
 95 100
 174 77.2 59.6 89.4
 175 5.6 4.2 6.4

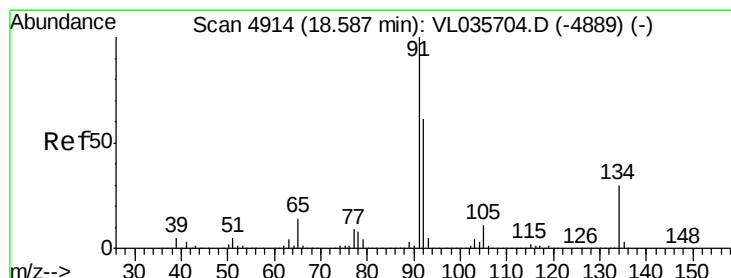
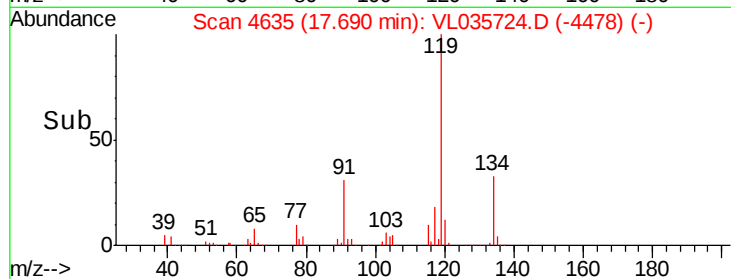
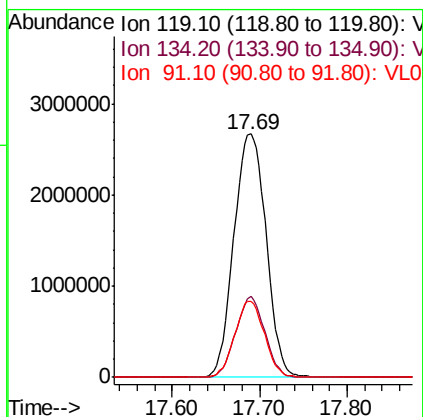
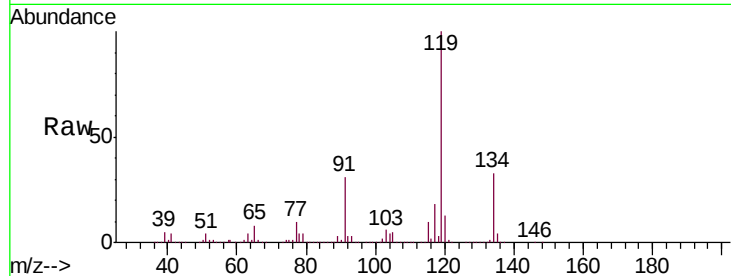




#69
p-Isopropyltoluene
Concen: 7.950 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

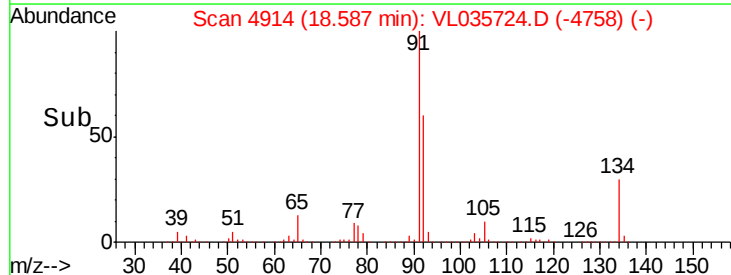
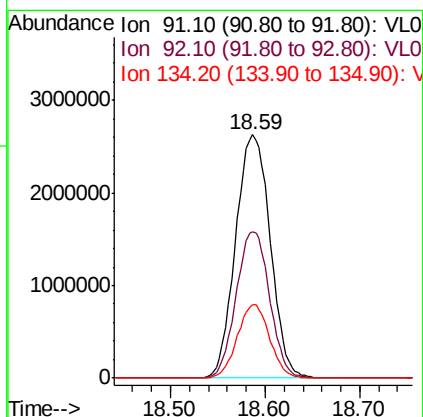
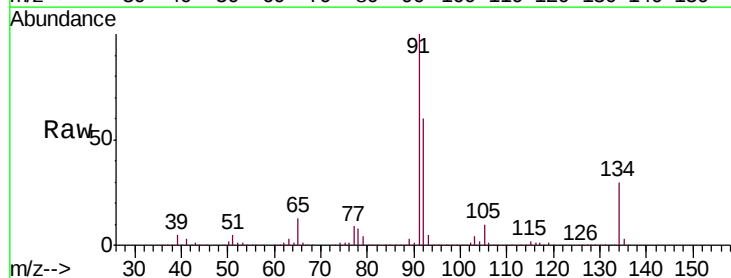
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

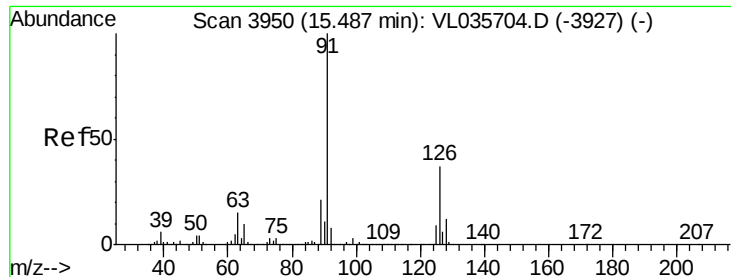
Tgt Ion: 119 Resp: 6816050
Ion Ratio Lower Upper
119 100
134 30.0 23.9 35.9
91 28.8 23.8 35.6



#70
n-Butylbenzene
Concen: 7.574 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 91 Resp: 6687231
Ion Ratio Lower Upper
91 100
92 58.3 47.0 70.4
134 28.1 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.248 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

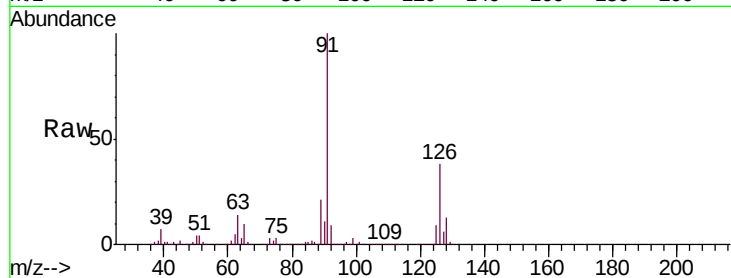
VSTDCCC010

Tgt Ion: 91 Resp: 5049826

Ion Ratio Lower Upper

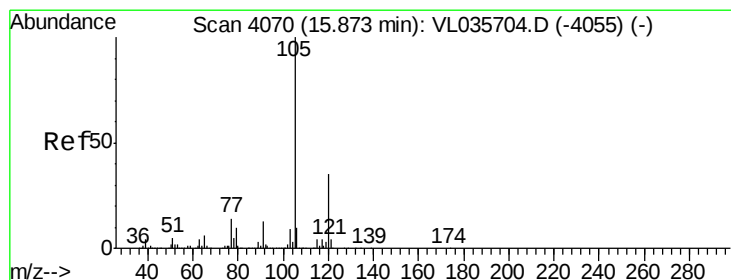
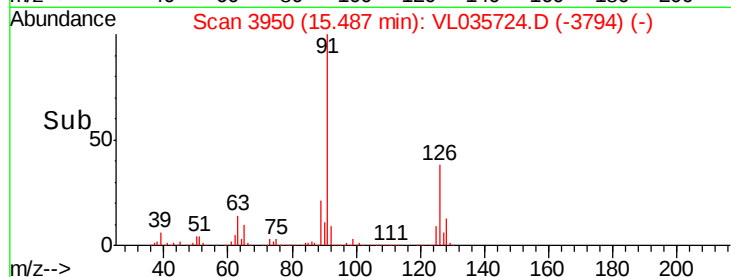
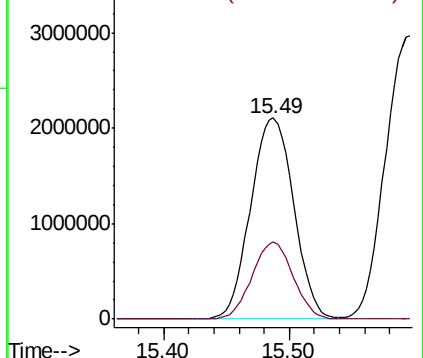
91 100

126 36.5 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.394 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 105 Resp: 5380916

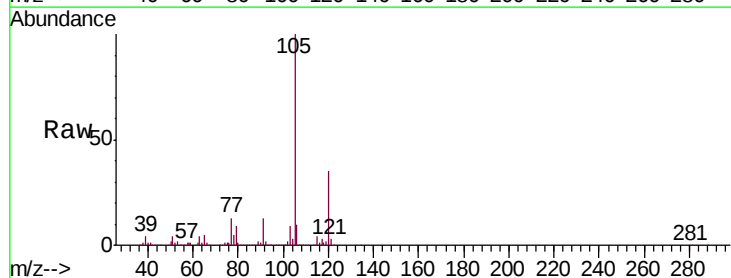
Ion Ratio Lower Upper

105 100

120 33.5 26.5 39.7

91 12.4 10.2 15.2

77 12.5 10.3 15.5

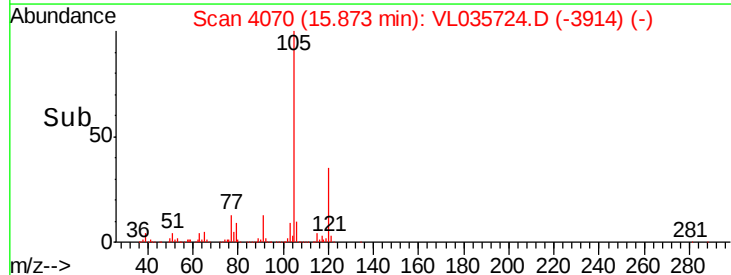
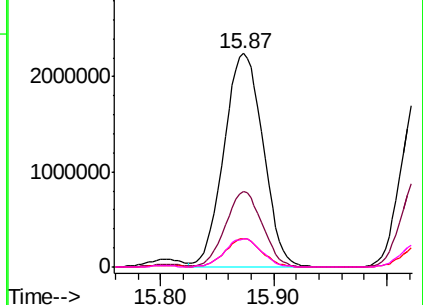


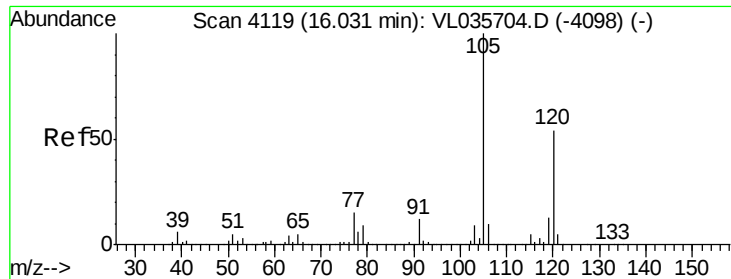
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.209 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

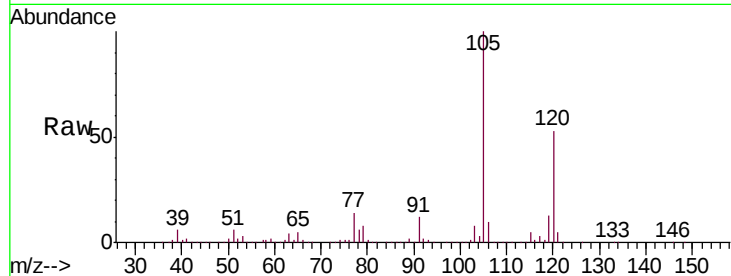
VSTDCCC010

Tgt Ion:105 Resp: 4973267

Ion Ratio Lower Upper

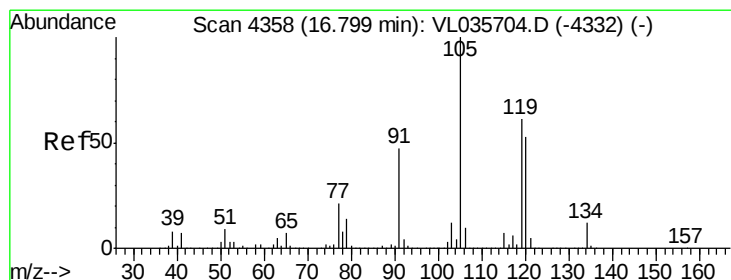
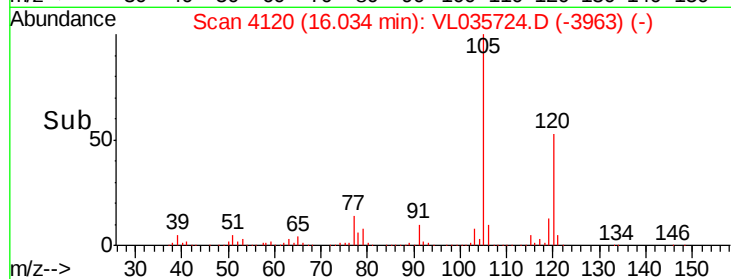
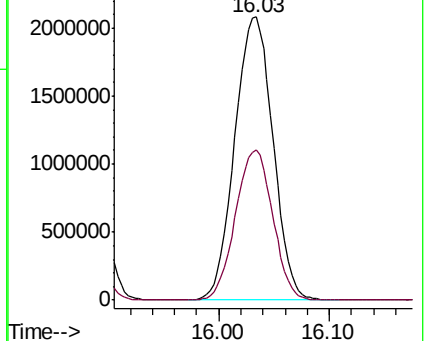
105 100

120 53.2 43.0 64.4



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: 7.525 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion:105 Resp: 5138903

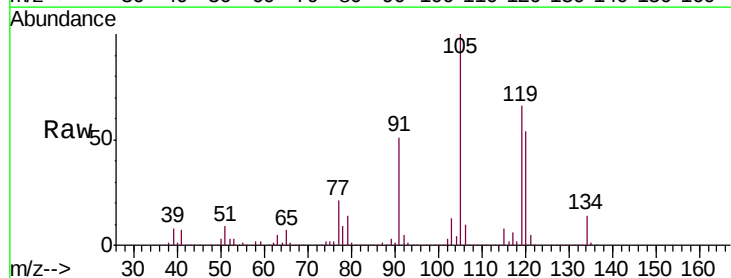
Ion Ratio Lower Upper

105 100

120 54.4 42.5 63.7

91 50.4 37.7 56.5

77 21.0 16.7 25.1

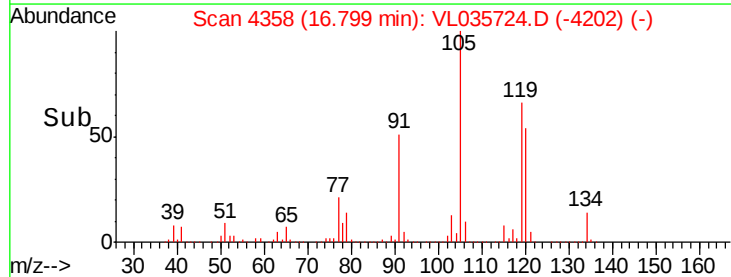
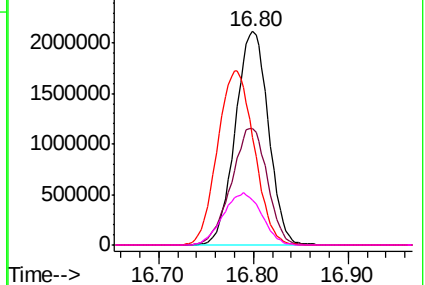


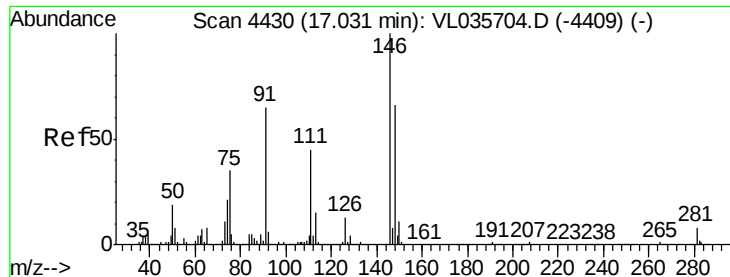
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.484 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

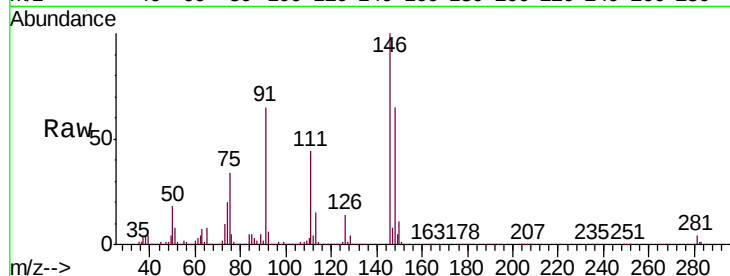
Tgt Ion:146 Resp: 3489321

Ion Ratio Lower Upper

146 100

111 43.3 22.4 67.0

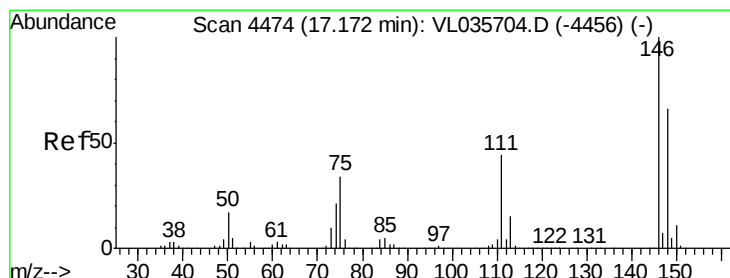
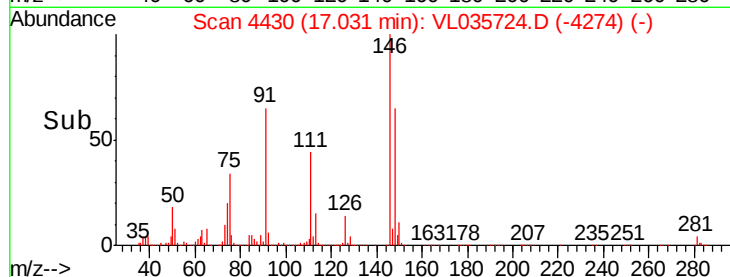
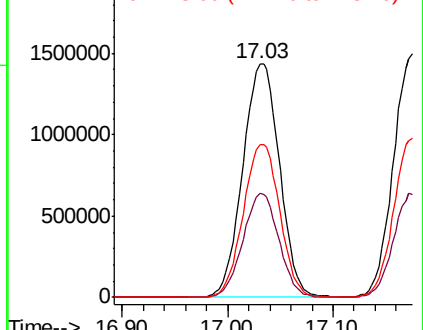
148 65.1 33.0 99.0



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: 7.788 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

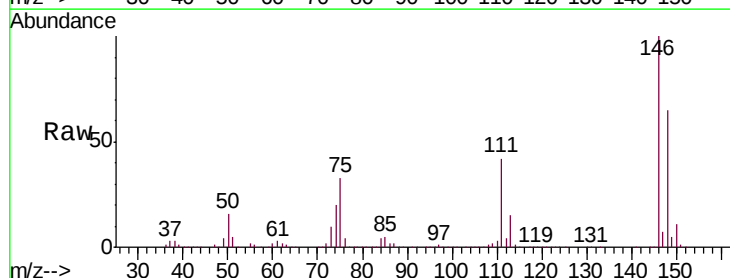
Tgt Ion:146 Resp: 3471019

Ion Ratio Lower Upper

146 100

111 42.3 21.4 64.3

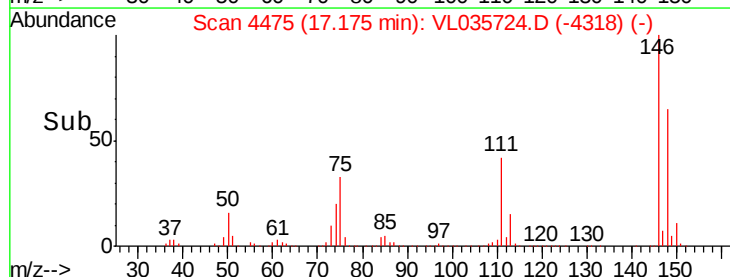
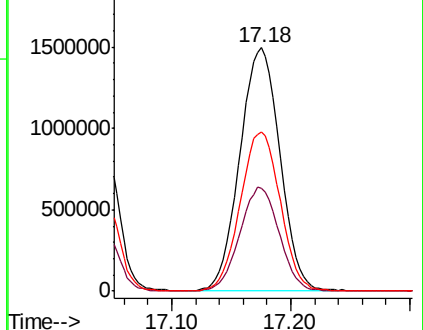
148 65.8 32.6 98.0

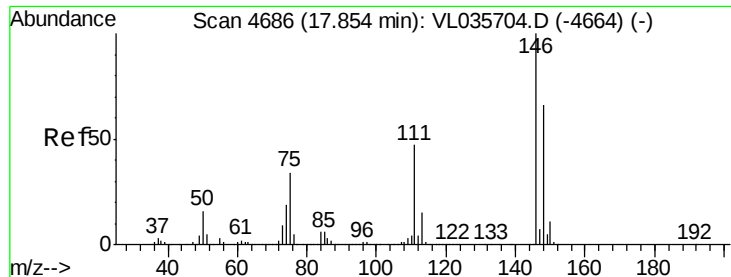


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

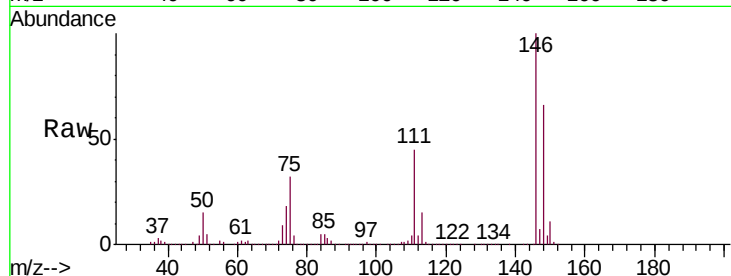




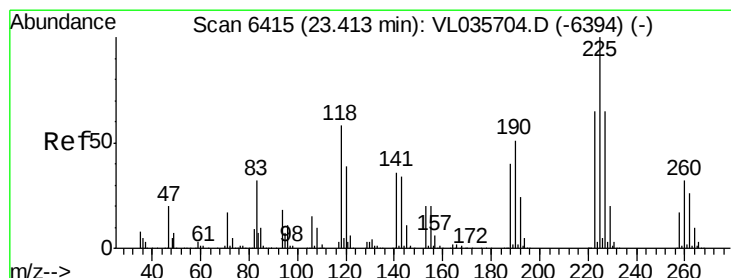
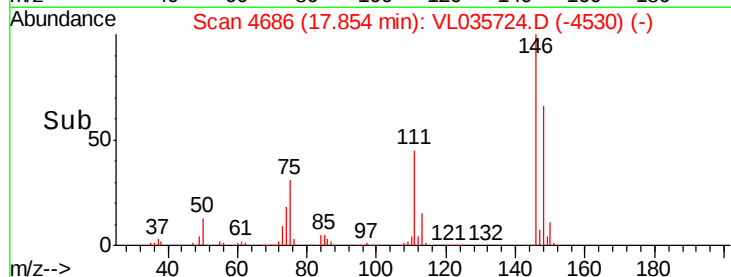
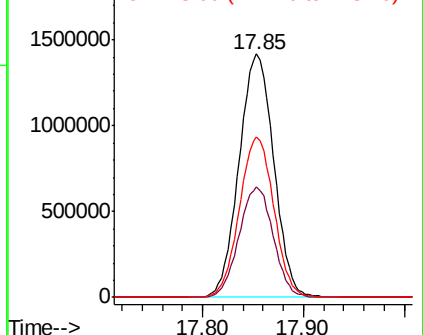
#77
 1,2-Dichlorobenzene
 Concen: 7.677 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 3380603
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.9 68.5
 148 65.4 32.6 98.0

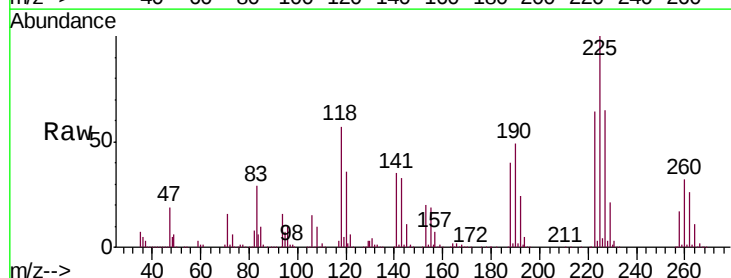


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

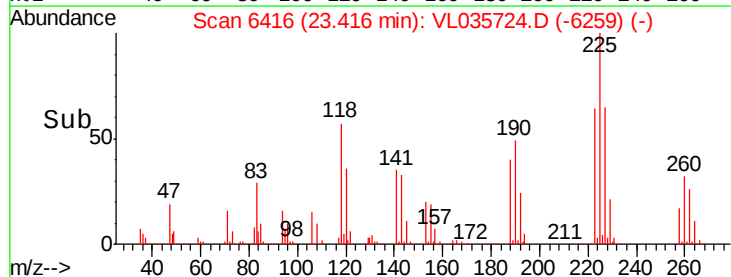
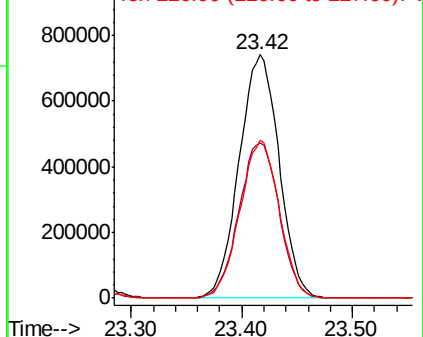


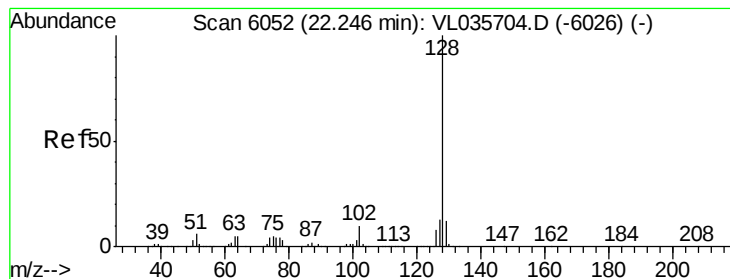
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.642 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion:225 Resp: 1856596
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.3 76.9
 227 64.1 51.6 77.4



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





#79

Naphthalene

Concen: 7.805 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

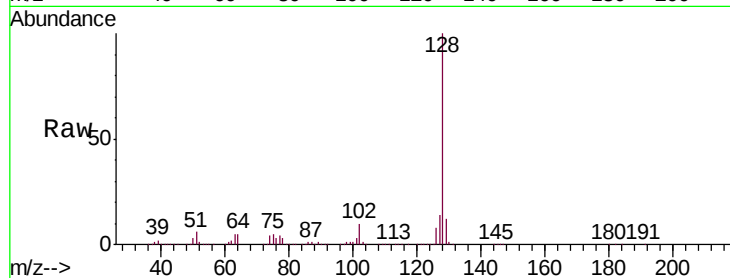
Tgt Ion:128 Resp: 5083590

Ion Ratio Lower Upper

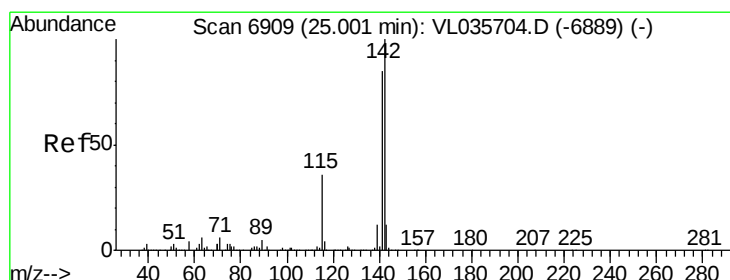
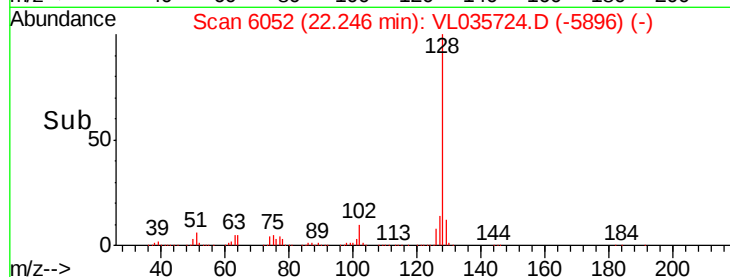
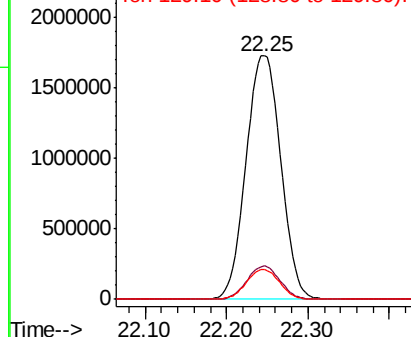
128 100

127 13.7 10.6 15.8

129 12.3 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: 10.626 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

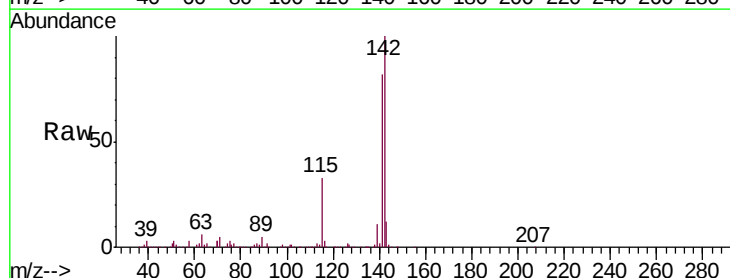
Tgt Ion:142 Resp: 1632586

Ion Ratio Lower Upper

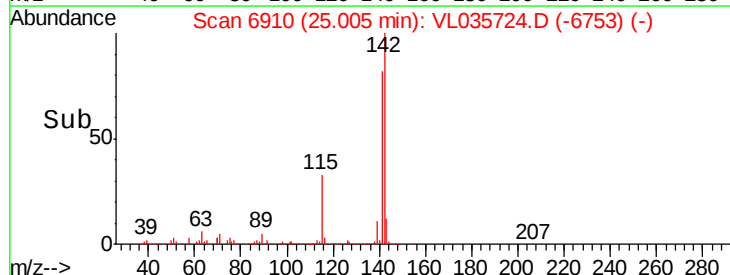
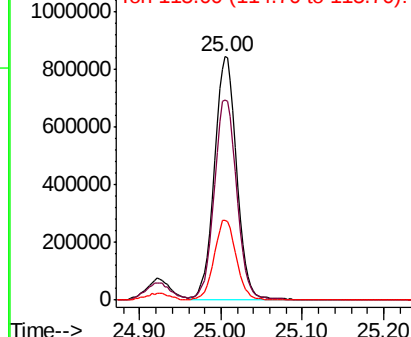
142 100

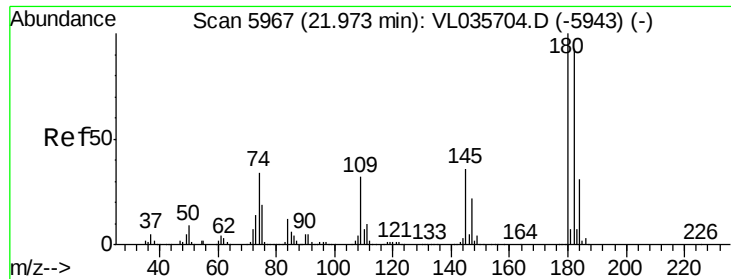
141 83.9 68.2 102.4

115 32.5 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: 8.001 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 2700629

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
184	31.3	24.6	37.0

