

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035858.D
 Acq On : 5 Nov 2020 11:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 06 00:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1004506	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3904811	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4698815	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2679697	8.03	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1732020	9.158	ppbv	100
3) Chlorodifluoromethane	2.96	51	1201672	9.990	ppbv	98
4) Chloromethane	3.12	50	588794	10.075	ppbv	98
5) Vinyl Chloride	3.23	62	725891	9.744	ppbv	99
6) Bromomethane	3.45	94	600114	10.017	ppbv	99
7) Chloroethane	3.53	64	274563	10.472	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	2117915	9.785	ppbv	98
9) Propene	2.99	41	456778	10.375	ppbv	99
10) Heptane	8.10	43	1288736	10.597	ppbv	99
11) Trichlorofluoromethane	3.92	101	2496945	10.515	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1818008	10.282	ppbv	100
13) Ethanol	3.59	45	56000	5.863	ppbv	96
14) Bromoethene	3.72	108	781023	9.599	ppbv	99
15) Acetone	3.83	43	1039962	9.684	ppbv	98
16) 1,3-Butadiene	3.30	39	481275	10.409	ppbv	98
17) tert-Butyl alcohol	4.27	59	1172136	8.236	ppbv	99
18) 1,1-Dichloroethene	4.26	96	830470	10.230	ppbv	95
19) Isopropyl Alcohol	3.94	45	517786	7.846	ppbv	100
20) Methylene Chloride	4.32	84	677847	8.966	ppbv	99
21) Allyl Chloride	4.38	41	602083	10.367	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	848233	10.307	ppbv	98
23) Vinyl Acetate	5.05	43	1415117	9.401	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1449190	10.105	ppbv	99
25) Ethyl Acetate	5.65	43	2201738	10.407	ppbv	99
26) Hexane	5.66	57	1158215	9.927	ppbv	98
27) Carbon Disulfide	4.52	76	1772909	10.141	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1972093	9.412	ppbv	100
29) Chloroform	5.73	83	2298611	10.023	ppbv	98
30) Cyclohexane	7.10	84	1218761	9.591	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1216725	10.137	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2238971	9.356	ppbv	99
34) 2-Butanone	5.22	43	1385686	10.934	ppbv	99
35) Carbon Tetrachloride	6.99	117	2250869	10.789	ppbv	100
36) Benzene	6.87	78	2920135	10.059	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1446567	10.999	ppbv	99
38) Trichloroethene	7.81	130	1333499	9.404	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1009870	10.333	ppbv	97
40) 1,4-Dioxane	7.81	88	391165	8.445	ppbv	# 57
41) Tetrahydrofuran	6.02	42	814649	11.315	ppbv	98
42) Bromodichloromethane	7.77	83	2345150	10.568	ppbv	99
43) Methyl Methacrylate	7.99	69	1191646	10.762	ppbv	98

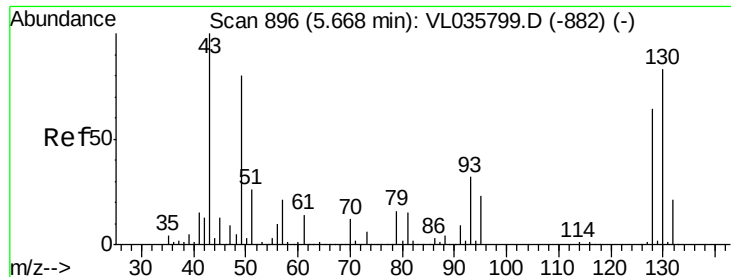
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
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 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3980516	10.362	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1258881	10.725	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1564036	10.521	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1345405	10.103	ppbv	99
48) Dibromochloromethane	10.28	129	2196404	10.796	ppbv	100
49) Bromoform	13.02	173	1854751	10.804	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2166351	11.179	ppbv	99
51) 2-Hexanone	10.11	43	1771050	11.377	ppbv	99
52) Tetrachloroethene	11.20	164	1269589	9.231	ppbv	99
53) Toluene	9.78	91	3522499	10.056	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2049095	10.117	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1704935	8.084	ppbv	99
57) Chlorobenzene	12.12	112	2826700	7.566	ppbv	99
58) Ethyl Benzene	12.69	91	4546985	7.945	ppbv	99
59) m/p-Xylene	12.97	91	3863715	7.980	ppbv #	30
60) o-Xylene	13.67	91	3746466	7.954	ppbv	99
61) Styrene	13.50	104	2831987	8.206	ppbv	100
62) Isopropylbenzene	14.64	105	5675048	7.666	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2645307	7.248	ppbv	99
64) n-propylbenzene	15.54	120	1656611	7.742	ppbv	97
65) tert-Butylbenzene	16.72	119	5029068	7.463	ppbv	99
66) Benzyl Chloride	16.97	91	1632057	7.327	ppbv	98
67) sec-Butylbenzene	17.27	105	6797386	7.485	ppbv	99
69) p-Isopropyltoluene	17.63	119	5601741	7.475	ppbv	99
70) n-Butylbenzene	18.53	91	5469327	7.579	ppbv	99
71) 2-Chlorotoluene	15.43	91	4247928	7.845	ppbv	98
72) 4-Ethyltoluene	15.82	105	4429928	7.755	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4087387	7.819	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4241397	7.572	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2651980	7.435	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2586507	7.517	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2561702	7.368	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1217453	7.505	ppbv	100
79) Naphthalene	22.17	128	2951805	7.559	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	458012	7.197	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1588527	7.281	ppbv	99

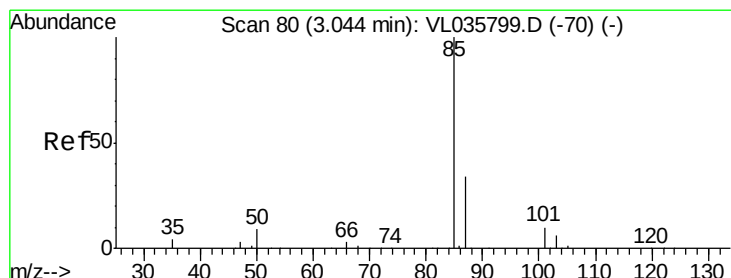
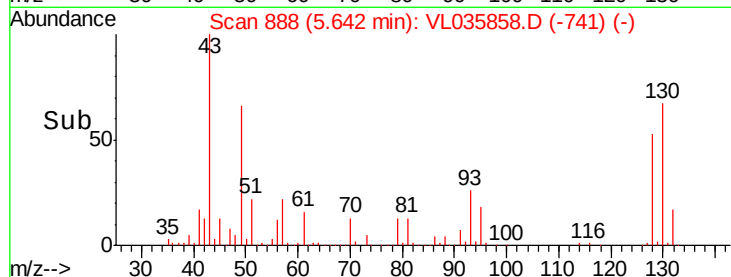
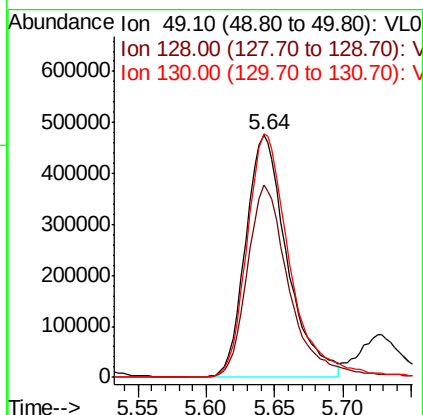
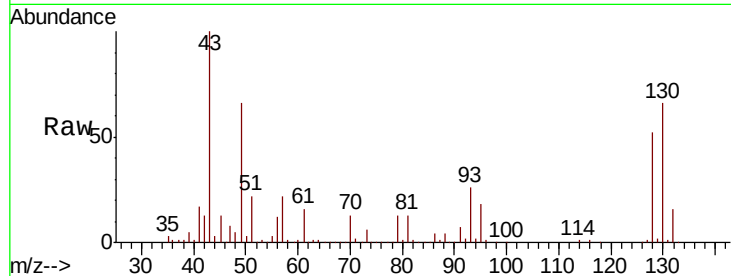
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

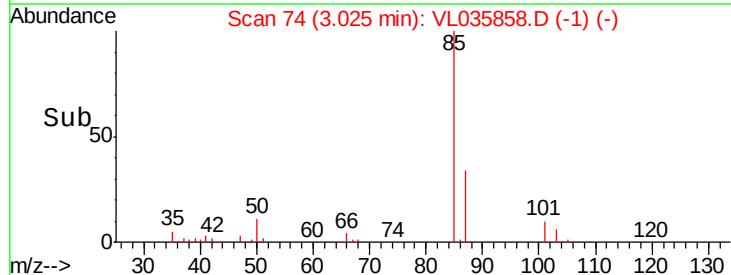
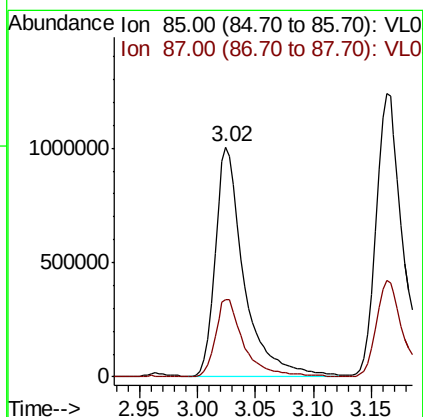
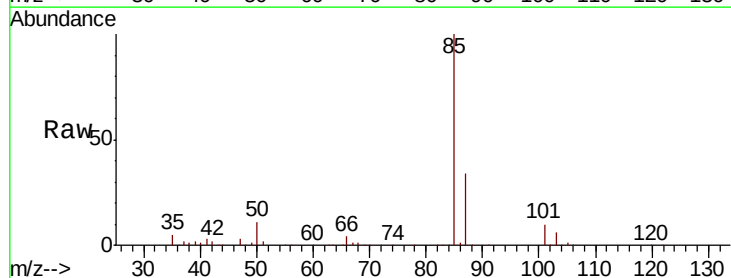
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

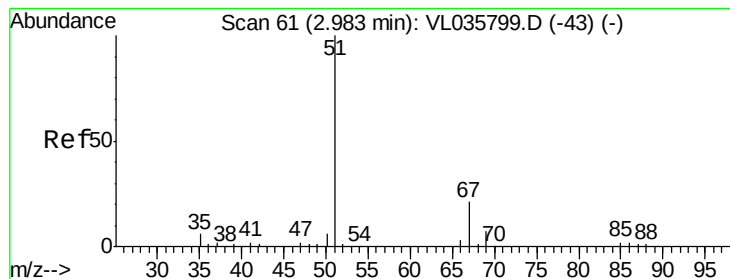
Tot Ion: 49 Resp: 1004506
Ion Ratio Lower Upper
49 100
128 81.1 41.5 124.6
130 105.2 53.7 161.1



#2
Dichlorodifluoromethane
Concen: 9.158 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Tgt Ion: 85 Resp: 1732020
Ion Ratio Lower Upper
85 100
87 33.8 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.990 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

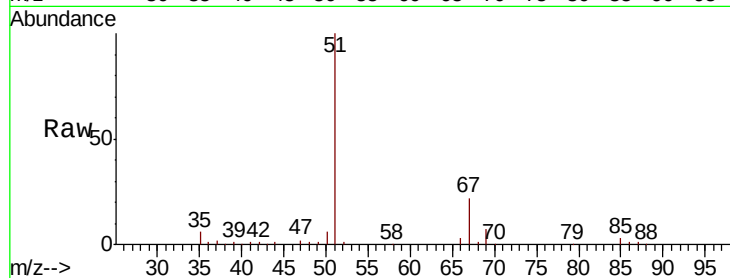
VSTDCCC010

Tot Ion: 51 Resp: 1201672

Ion Ratio Lower Upper

51 100

67 21.9 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

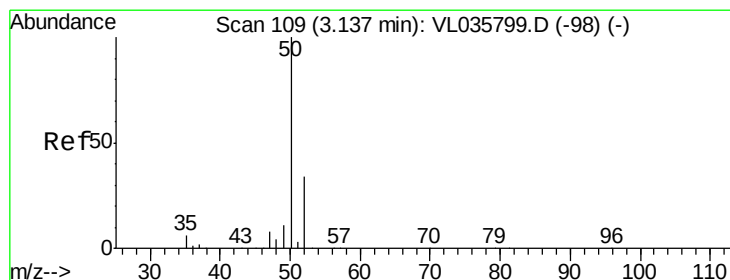
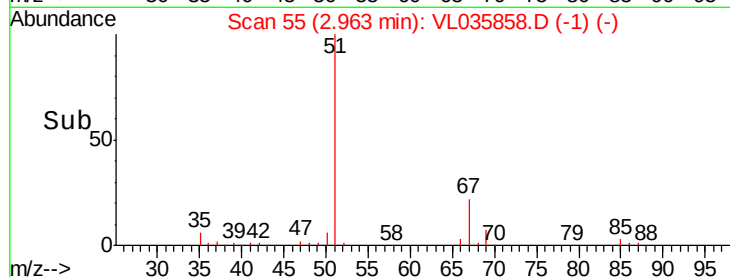
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.075 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035858.D

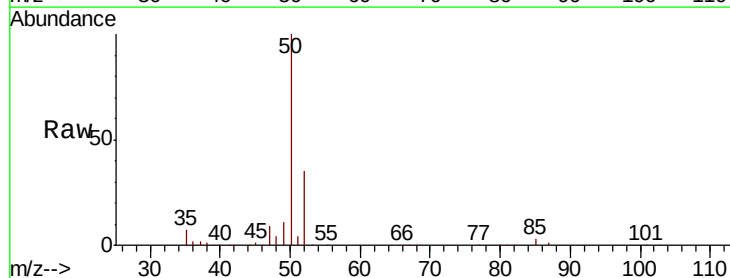
Acq: 5 Nov 2020 11:42

Tgt Ion: 50 Resp: 588794

Ion Ratio Lower Upper

50 100

52 35.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

400000

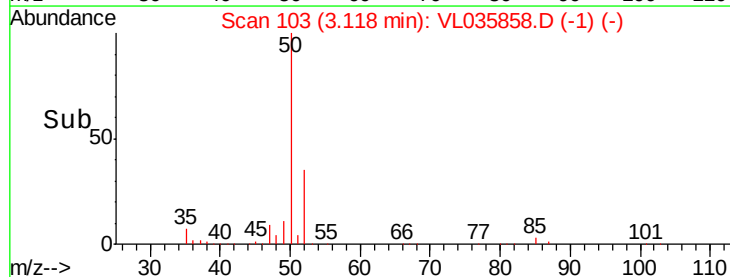
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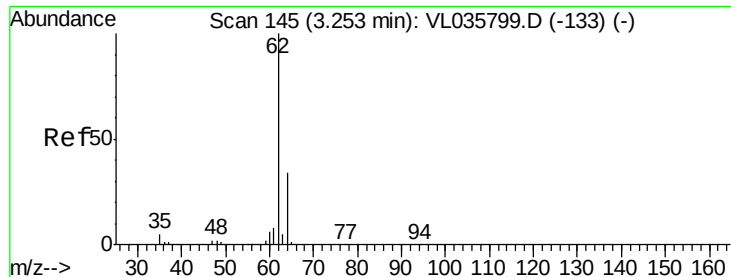
200000

100000

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Time-->





#5

Vinyl Chloride

Concen: 9.744 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

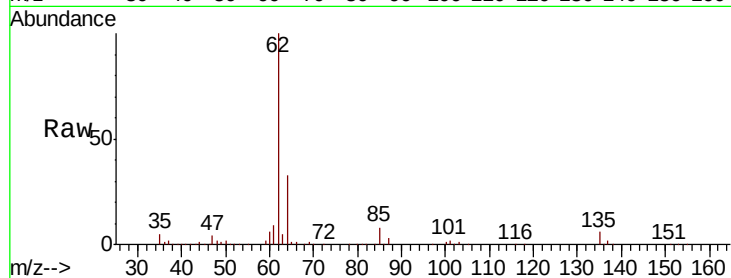
VSTDCCC010

Tot Ion: 62 Resp: 725891

Ion Ratio Lower Upper

62 100

64 32.9 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

400000

300000

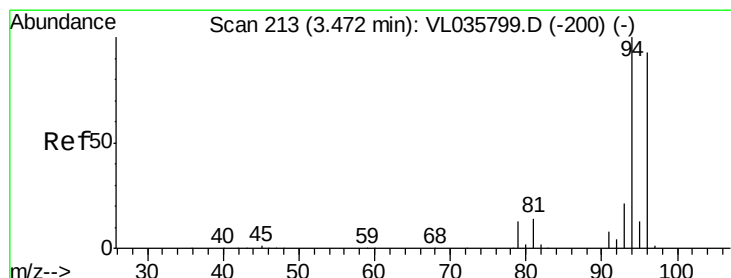
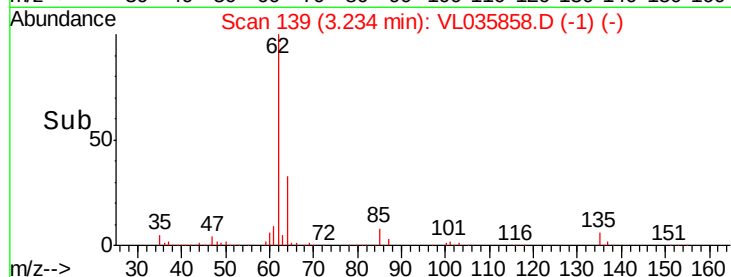
200000

100000

0

3.15 3.20 3.25 3.30

Time-->



#6

Bromomethane

Concen: 10.017 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.02 min

Lab File: VL035858.D

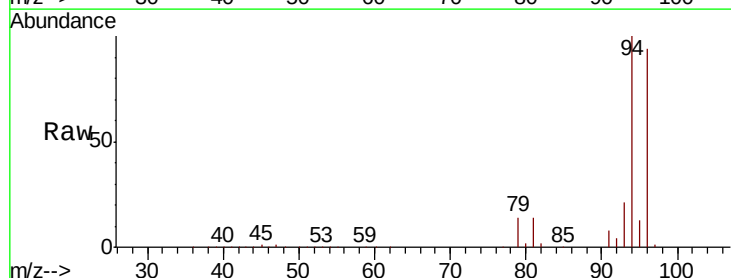
Acq: 5 Nov 2020 11:42

Tgt Ion: 94 Resp: 600114

Ion Ratio Lower Upper

94 100

96 94.0 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

300000

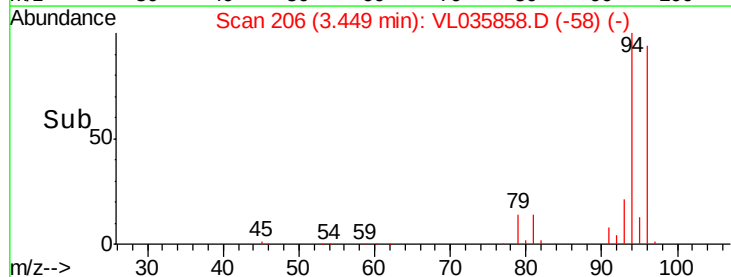
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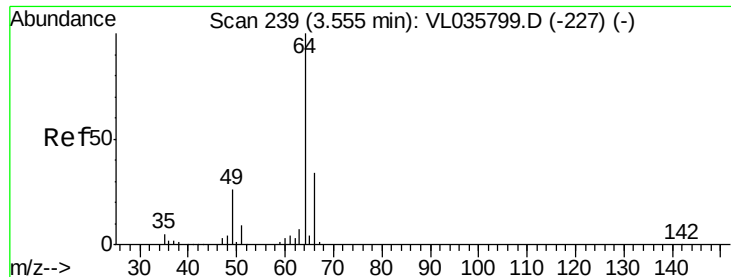
100000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 10.472 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

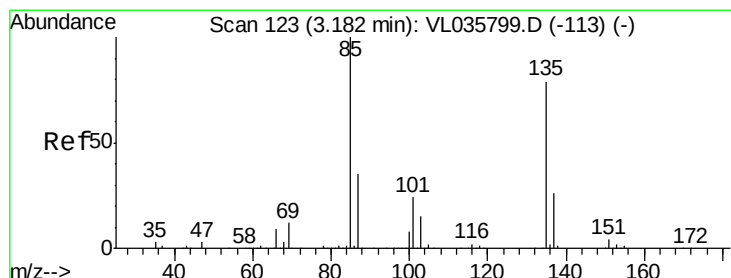
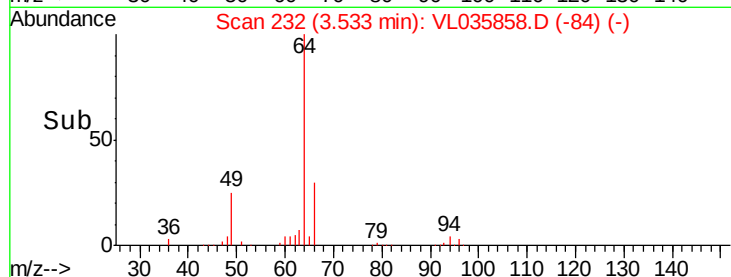
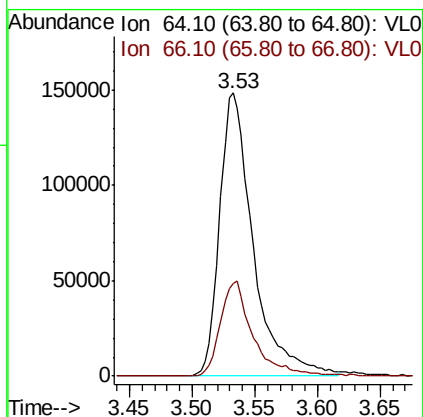
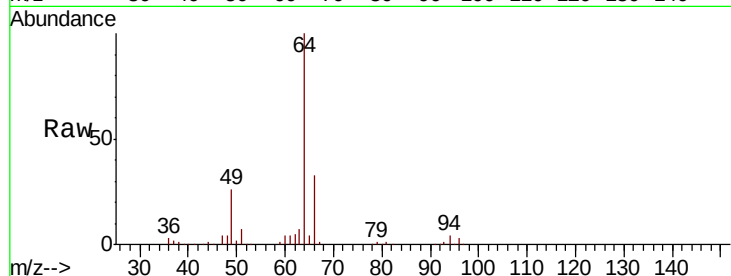
VSTDCCC010

Tot Ion: 64 Resp: 274563

Ion Ratio Lower Upper

64 100

66 32.9 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 9.785 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035858.D

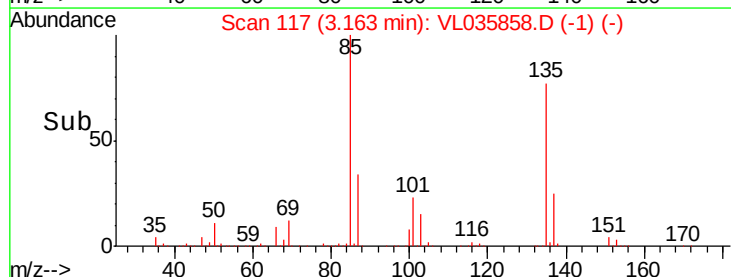
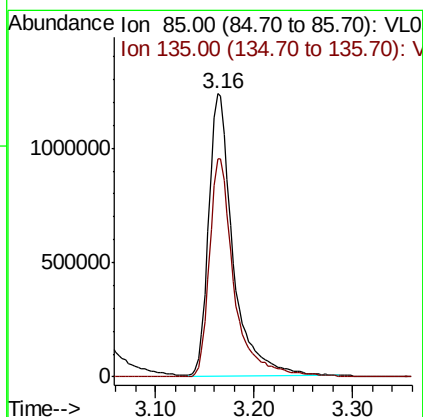
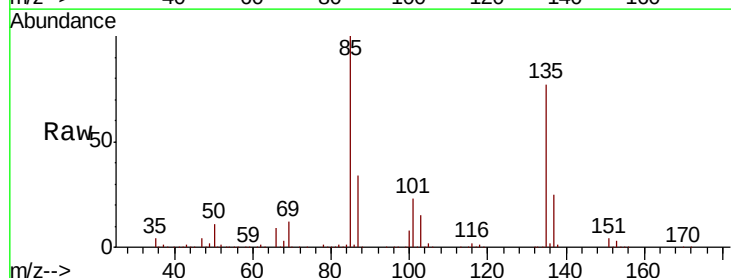
Acq: 5 Nov 2020 11:42

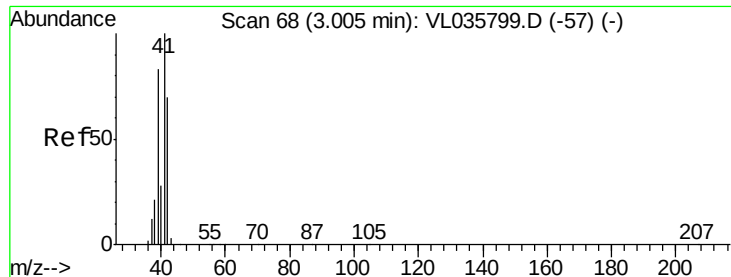
Tgt Ion: 85 Resp: 2117915

Ion Ratio Lower Upper

85 100

135 79.3 64.6 96.8





#9

Propene

Concen: 10.375 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

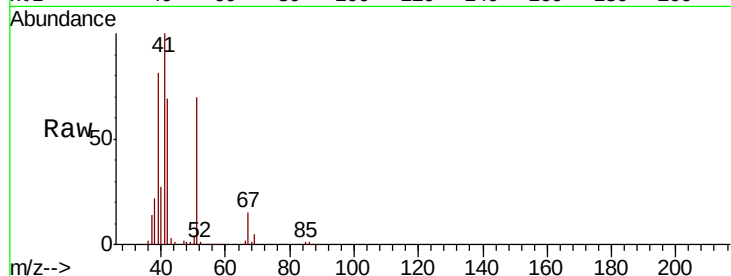
VSTDCCC010

Tot Ion: 41 Resp: 456778

Ion Ratio Lower Upper

41 100

42 70.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

250000

200000

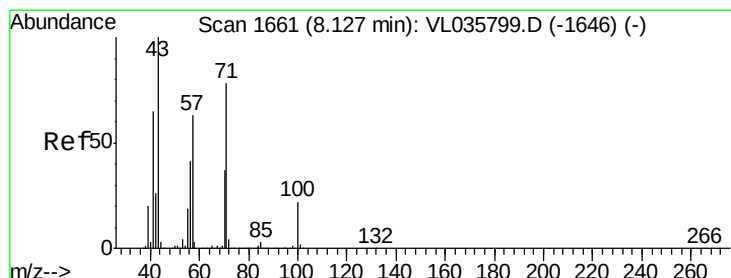
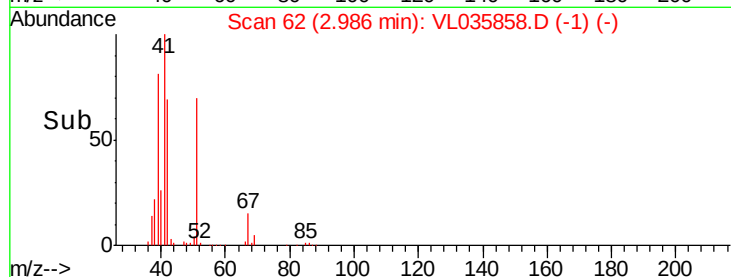
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100000

50000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#10

Heptane

Concen: 10.597 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.03 min

Lab File: VL035858.D

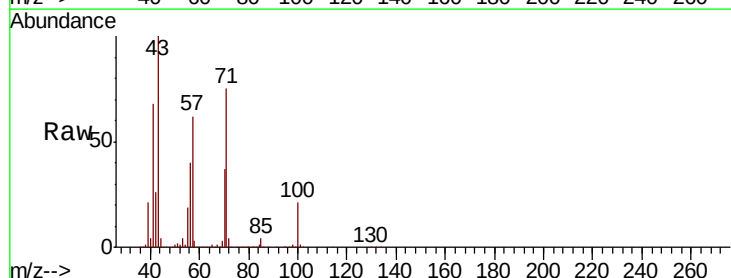
Acq: 5 Nov 2020 11:42

Tgt Ion: 43 Resp: 1288736

Ion Ratio Lower Upper

43 100

57 62.1 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

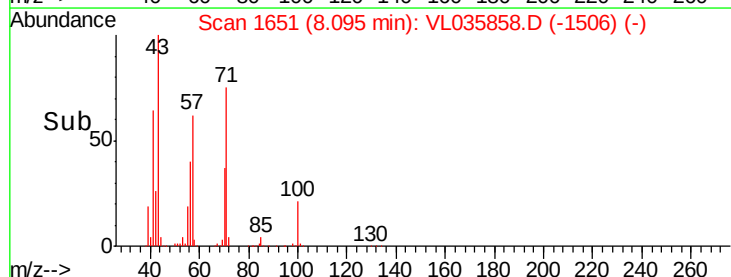
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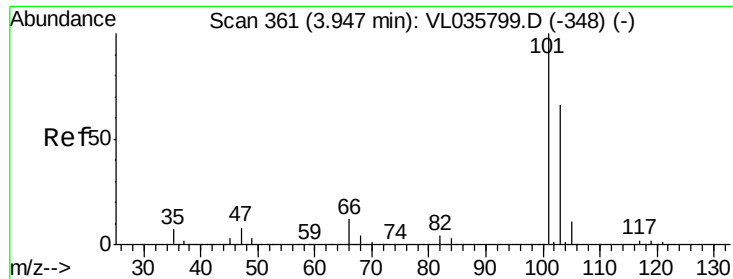
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200000

0

Time--> 8.00 8.10 8.20

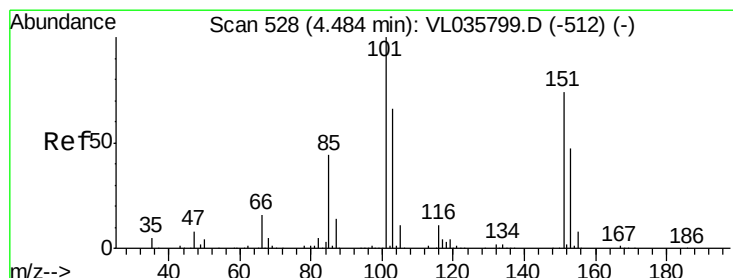
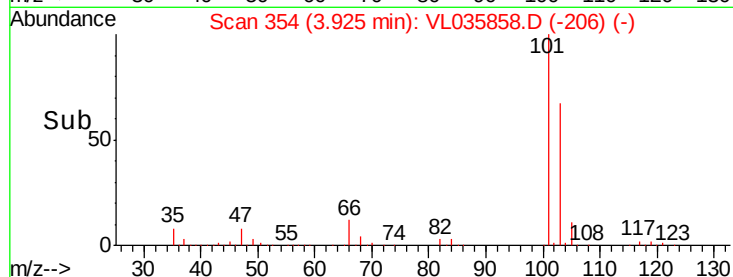
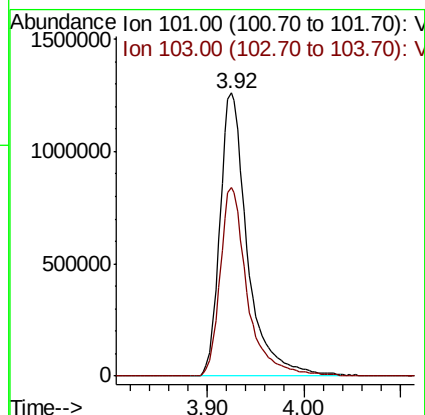
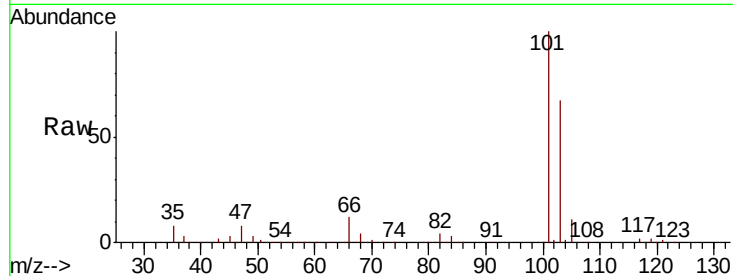




#11
 Trichlorofluoromethane
 Concen: 10.515 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.02 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

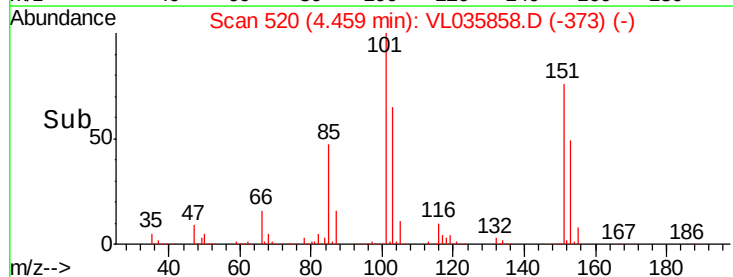
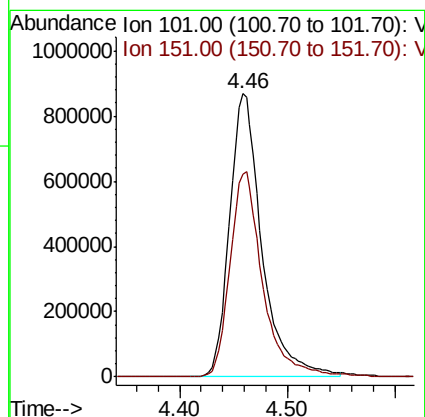
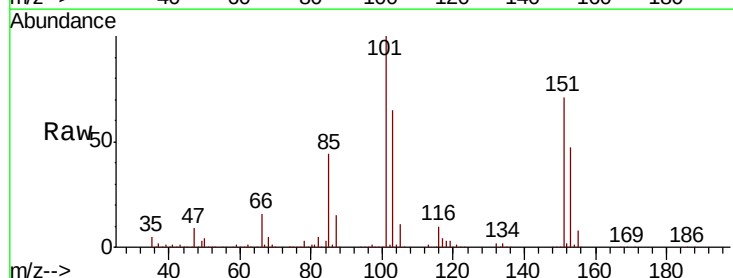
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

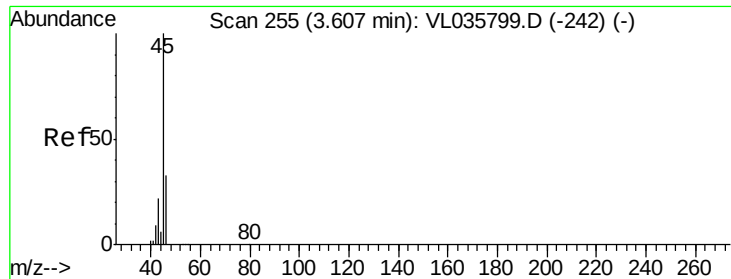
Tot Ion:101 Resp: 2496945
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.282 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion:101 Resp: 1818008
 Ion Ratio Lower Upper
 101 100
 151 73.7 58.9 88.3





#13

Ethanol

Concen: 5.863 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

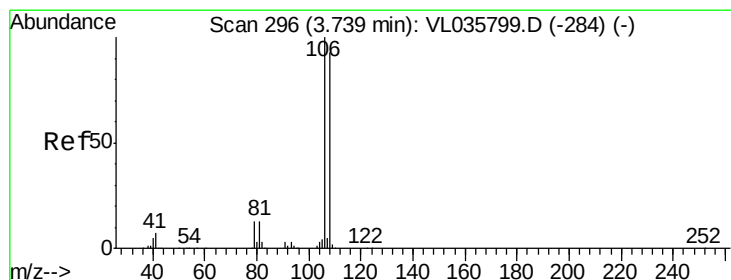
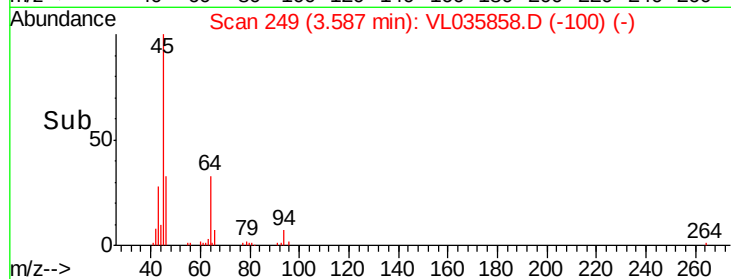
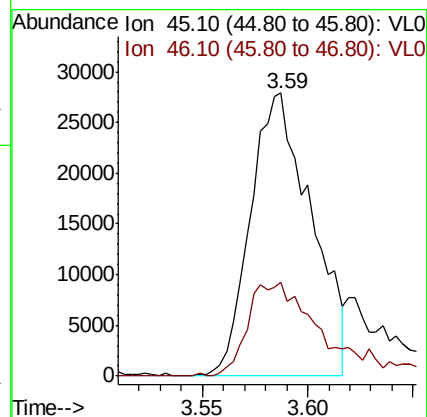
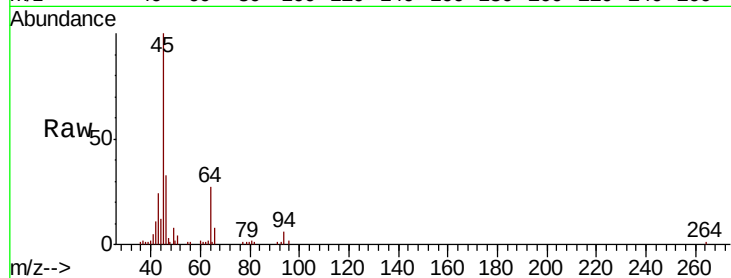
VSTDCCC010

Tot Ion: 45 Resp: 56000

Ion Ratio Lower Upper

45 100

46 43.0 16.1 64.5



#14

Bromoethene

Concen: 9.599 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

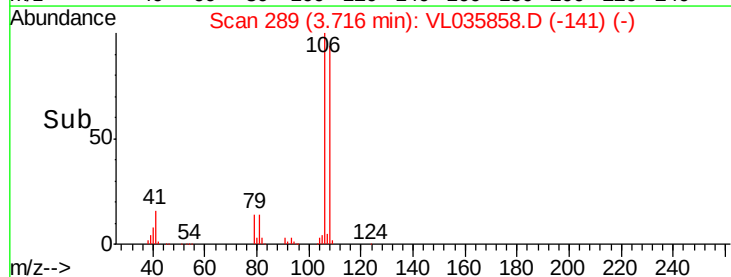
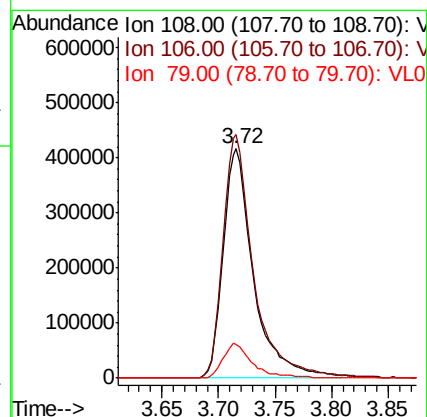
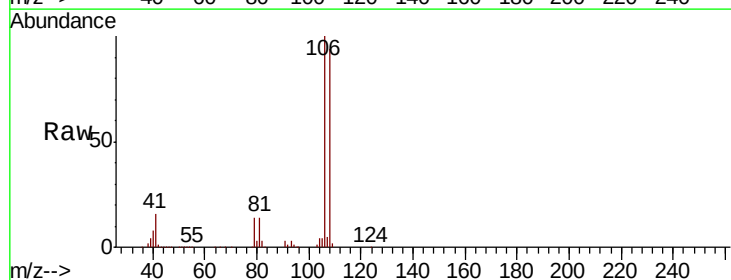
Tgt Ion: 108 Resp: 781023

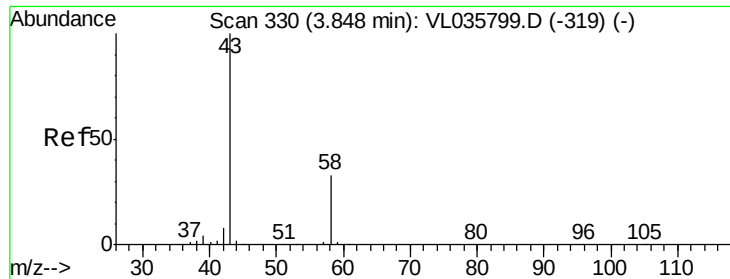
Ion Ratio Lower Upper

108 100

106 107.4 85.3 127.9

79 15.1 11.6 17.4





#15

Acetone

Concen: 9.684 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

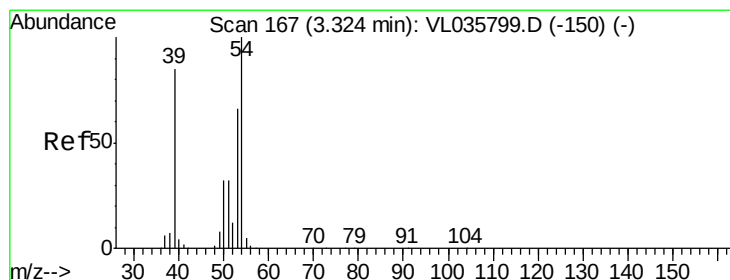
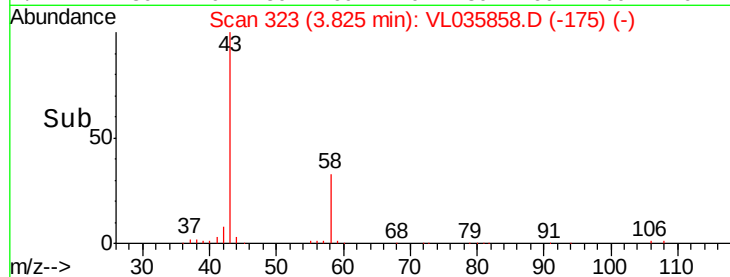
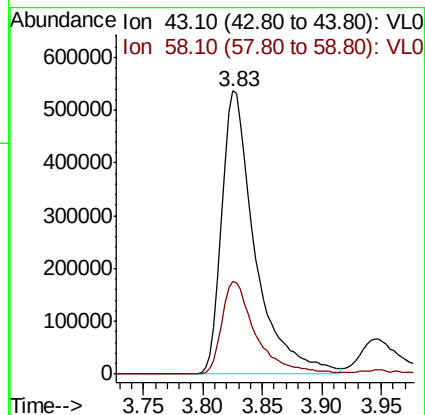
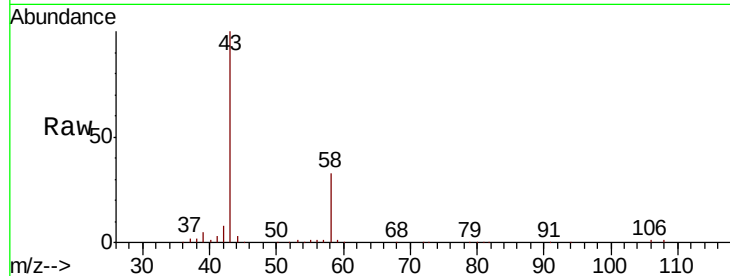
VSTDCCC010

Tot Ion: 43 Resp: 1039962

Ion Ratio Lower Upper

43 100

58 33.3 27.5 41.3



#16

1,3-Butadiene

Concen: 10.409 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035858.D

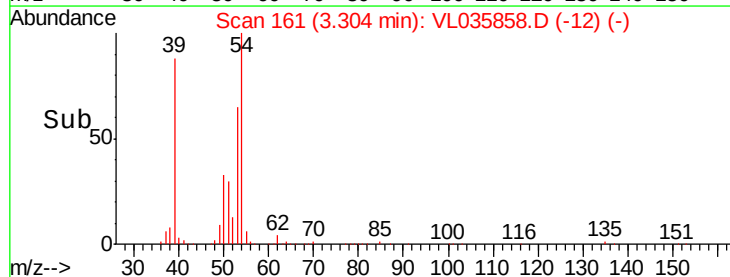
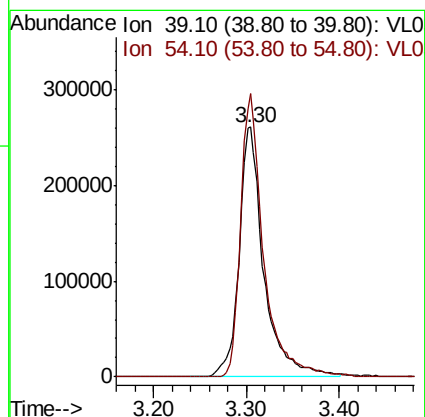
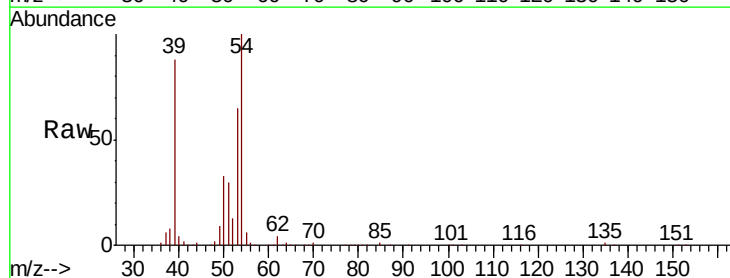
Acq: 5 Nov 2020 11:42

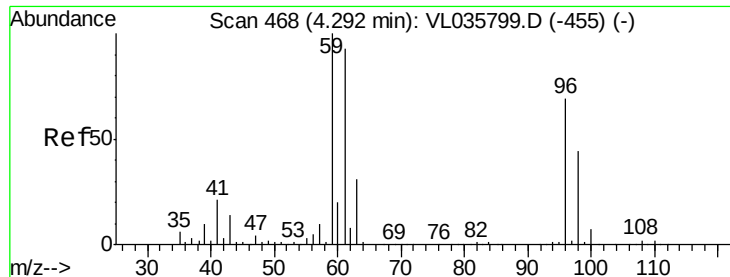
Tgt Ion: 39 Resp: 481275

Ion Ratio Lower Upper

39 100

54 106.8 87.1 130.7





#17

tert-Butyl alcohol

Concen: 8.236 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

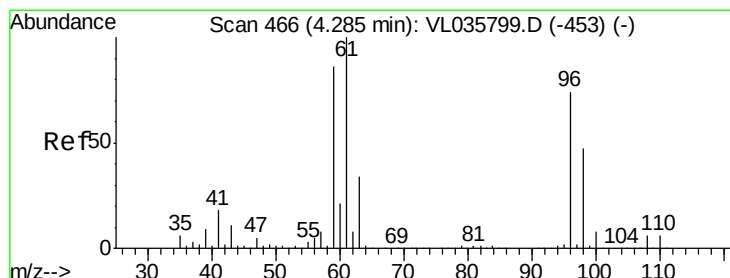
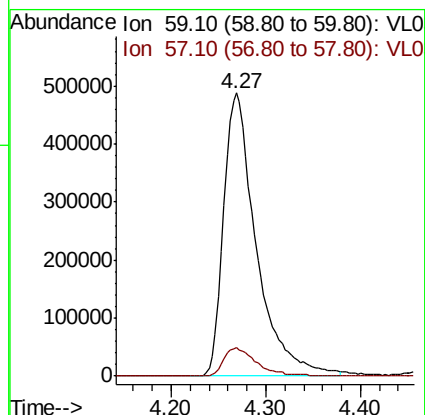
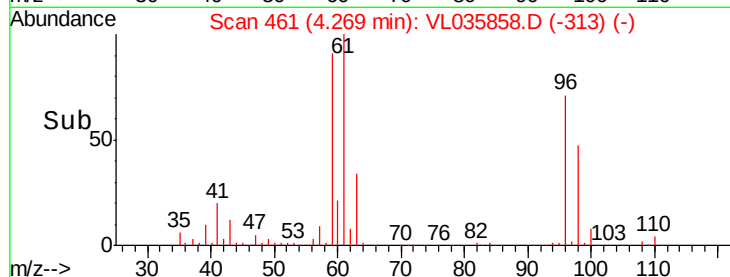
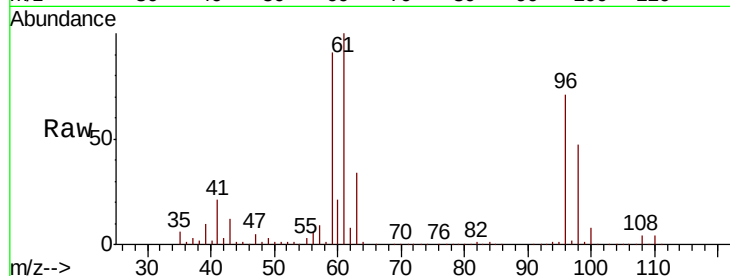
VSTDCCC010

Tot Ion: 59 Resp: 1172136

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.230 ppbv

RT: 4.26 min Scan# 459

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

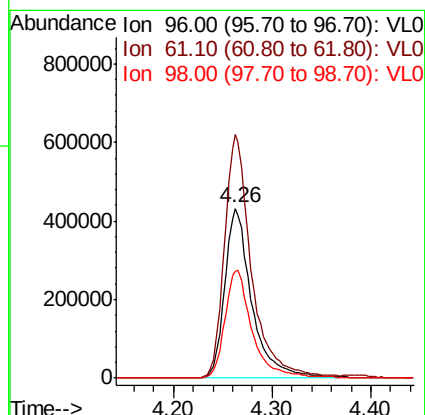
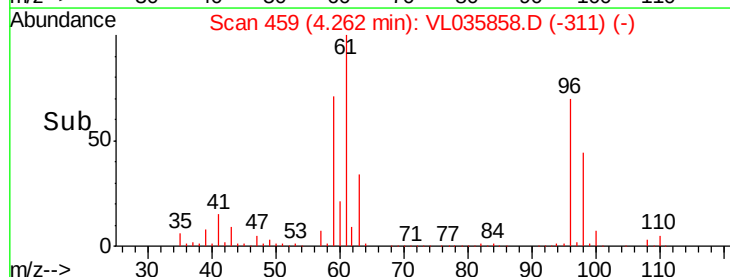
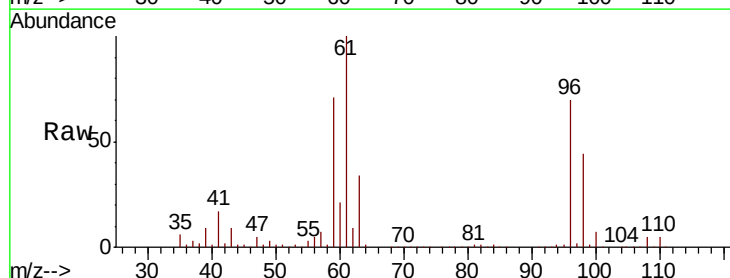
Tgt Ion: 96 Resp: 830470

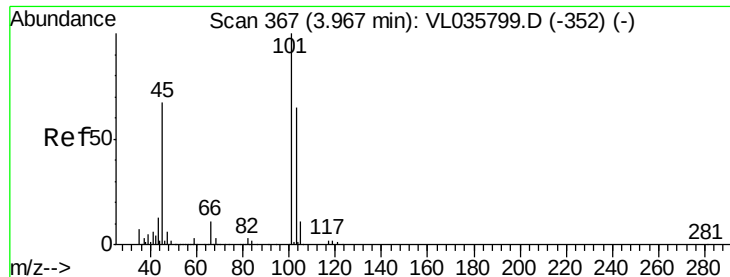
Ion Ratio Lower Upper

96 100

61 143.7 108.5 162.7

98 62.7 50.7 76.1





#19

Isopropyl Alcohol

Concen: 7.846 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

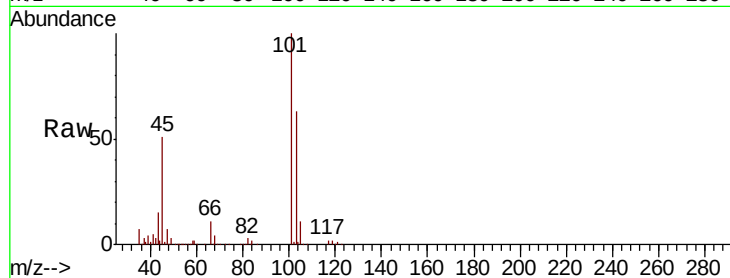
VSTDCCC010

Tot Ion: 45 Resp: 517786

Ion Ratio Lower Upper

45 100

58 3.3 2.6 3.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

250000

200000

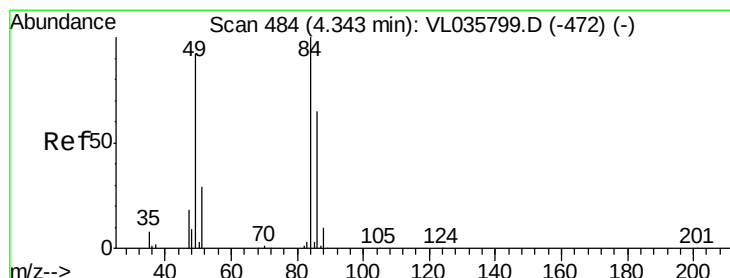
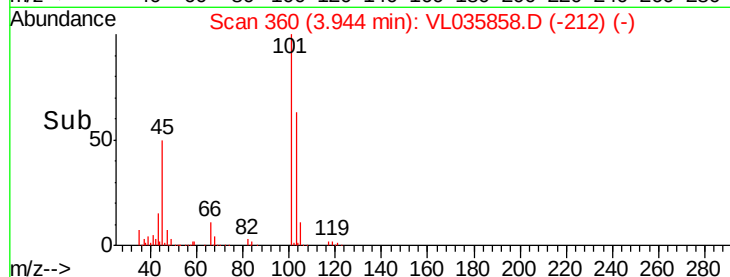
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.966 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Tgt Ion: 84 Resp: 677847

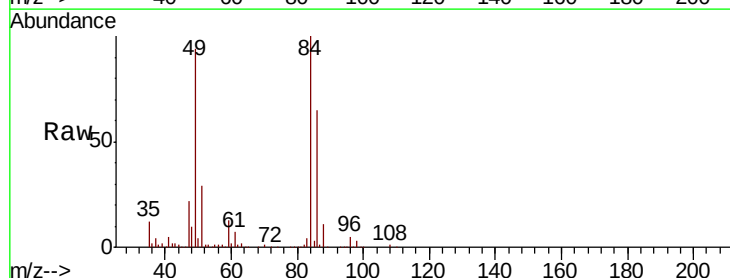
Ion Ratio Lower Upper

84 100

49 93.0 73.8 110.8

51 28.3 23.0 34.4

86 65.4 52.1 78.1



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

500000

400000

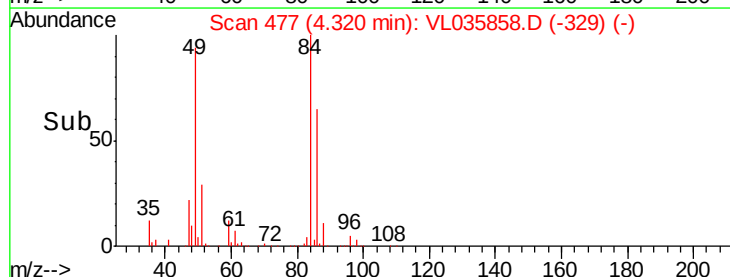
300000

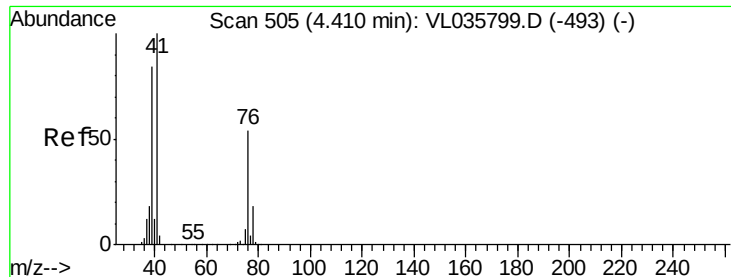
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 10.367 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

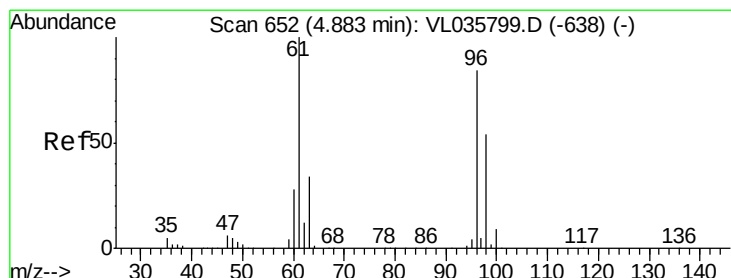
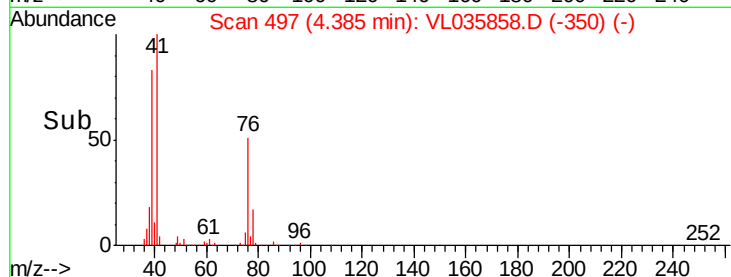
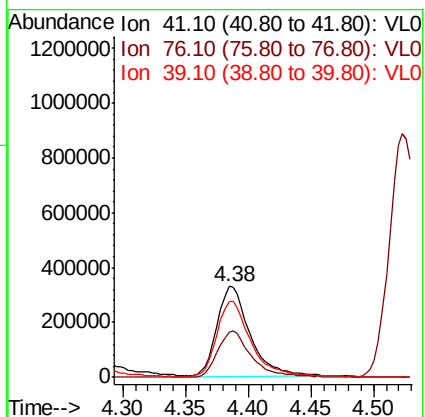
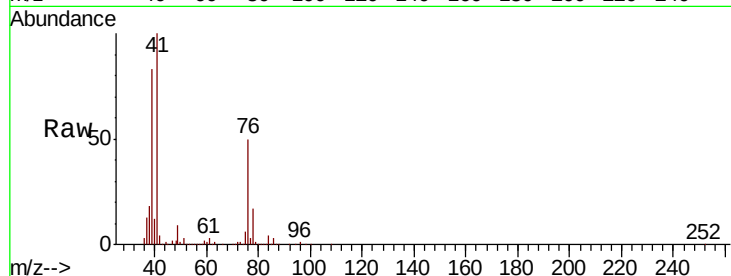
Tot Ion: 41 Resp: 602083

Ion Ratio Lower Upper

41 100

76 53.1 42.6 63.8

39 86.8 67.0 100.4



#22

trans-1,2-Dichloroethene

Concen: 10.307 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

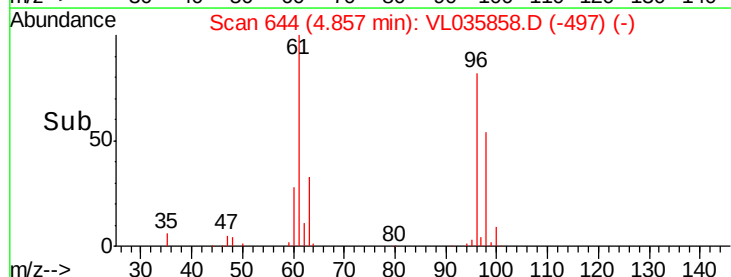
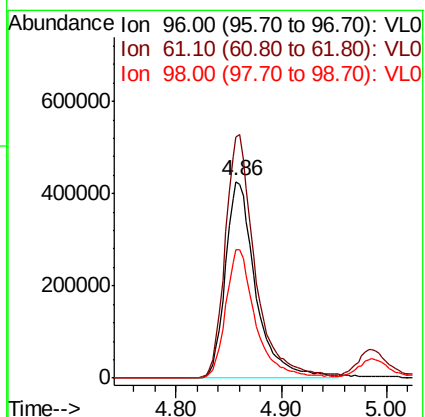
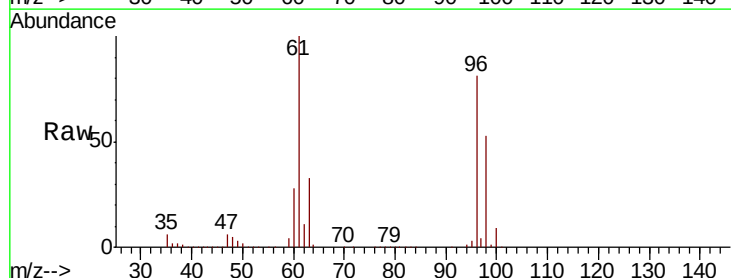
Tgt Ion: 96 Resp: 848233

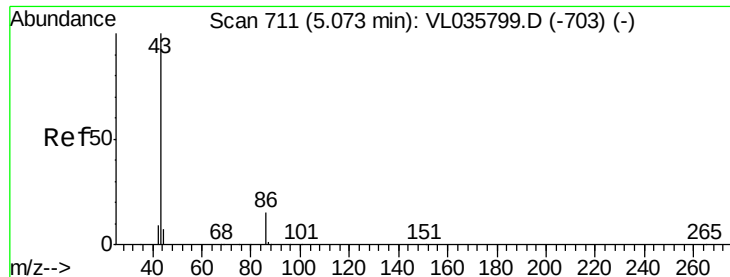
Ion Ratio Lower Upper

96 100

61 122.9 95.4 143.0

98 65.4 51.8 77.6





#23

Vinyl Acetate

Concen: 9.401 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.02 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

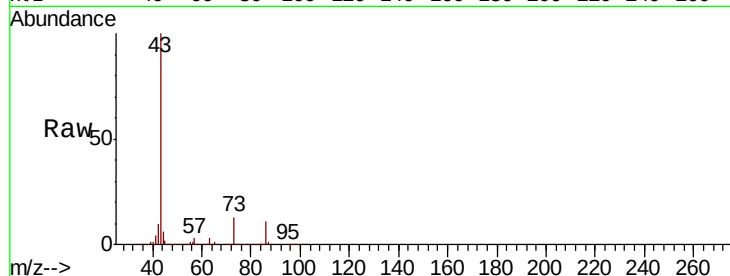
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1415117

Ion	Ratio	Lower	Upper
43	100		
86	10.7	9.8	14.6
42	9.8	8.1	12.1
44	5.3	4.2	6.4

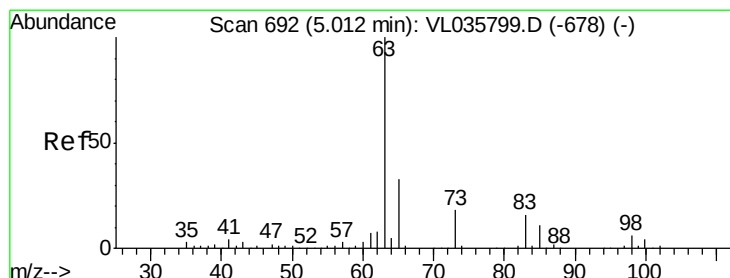
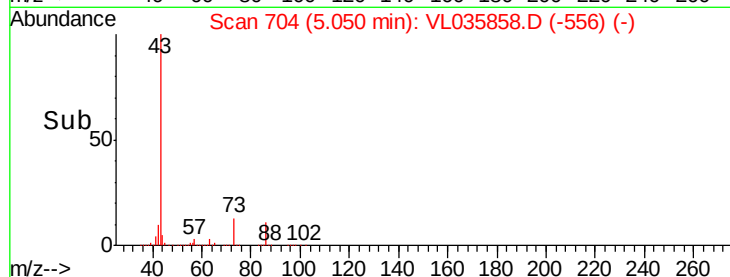
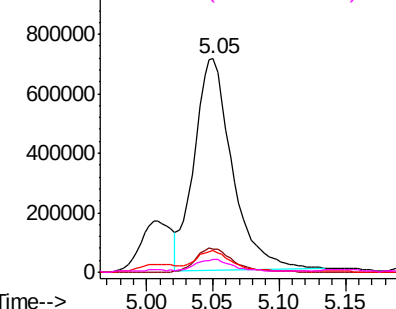


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.105 ppbv

RT: 4.99 min Scan# 684

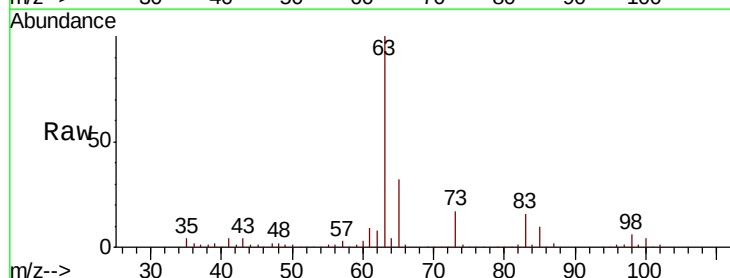
Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Tgt Ion: 63 Resp: 1449190

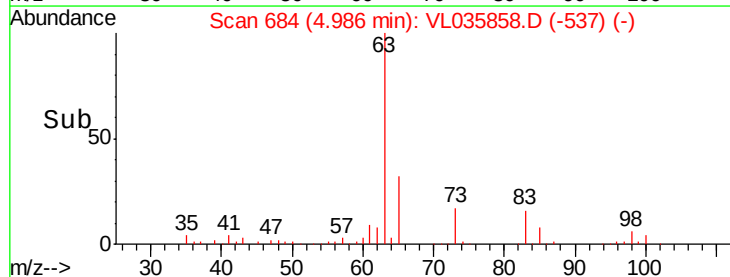
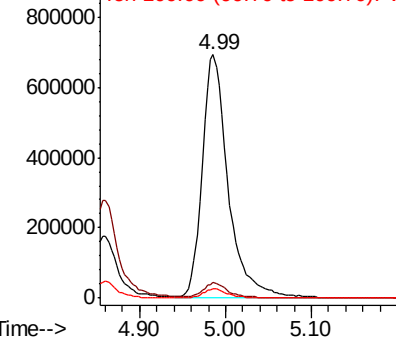
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.9	1.8	5.4

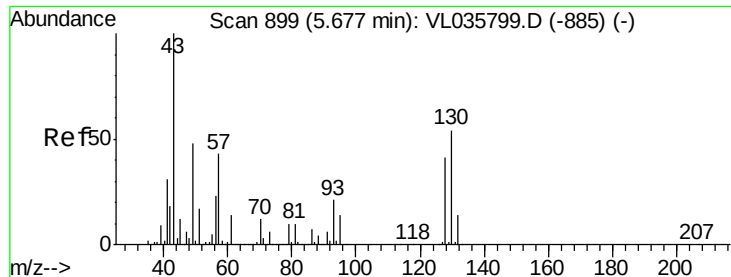


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



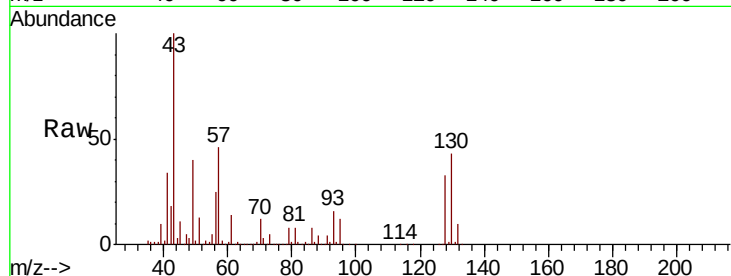


#25
Ethyl Acetate
Concen: 10.407 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2201738

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	13.1	10.7	16.1
70	10.2	8.6	12.8



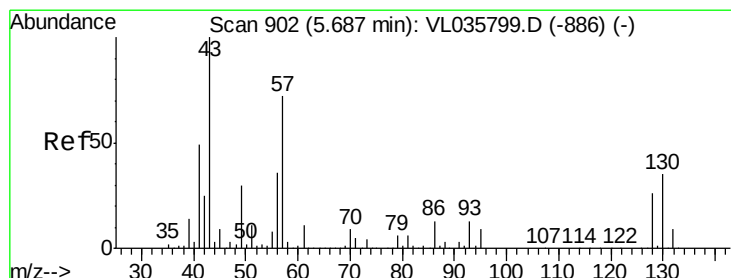
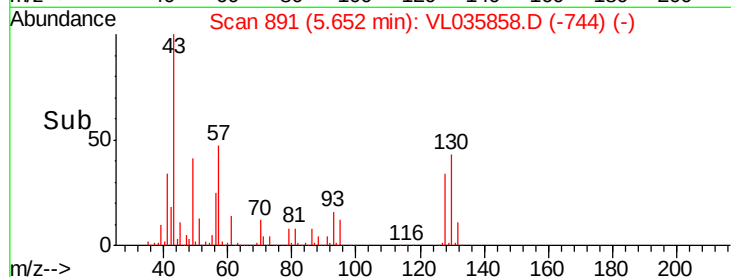
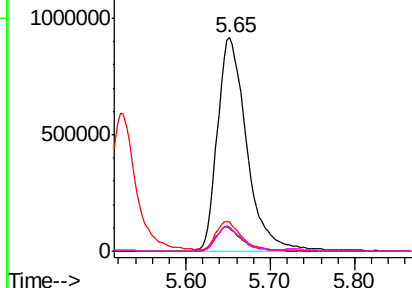
Abundance

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

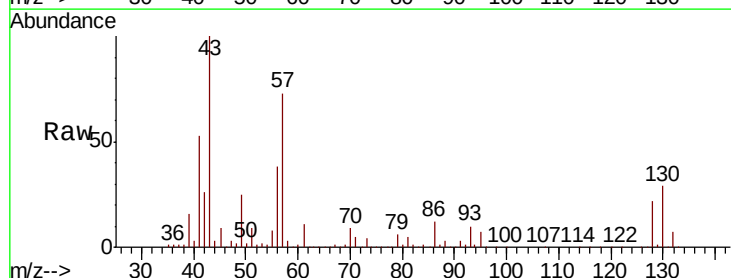
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.927 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Tgt Ion: 57 Resp: 1158215

Ion	Ratio	Lower	Upper
57	100		
41	75.7	58.9	88.3
43	190.6	150.2	225.2
56	53.5	42.4	63.6



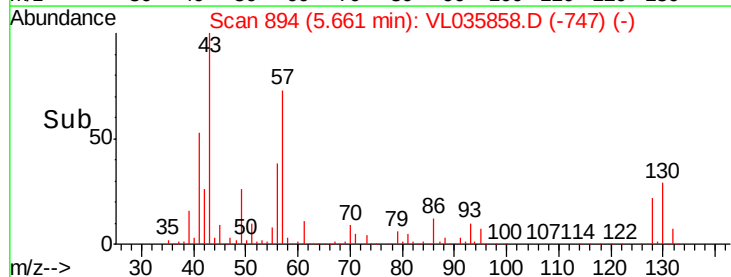
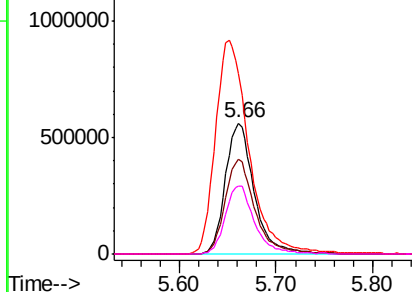
Abundance

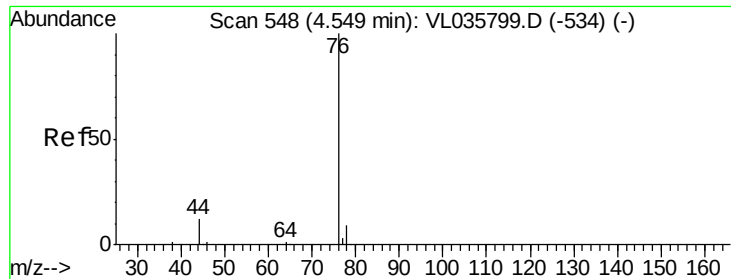
Ion 57.10 (56.80 to 57.80): VL0

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: 10.141 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

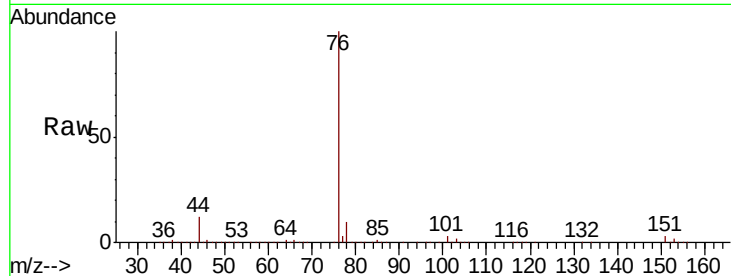
Tot Ion: 76 Resp: 1772909

Ion Ratio Lower Upper

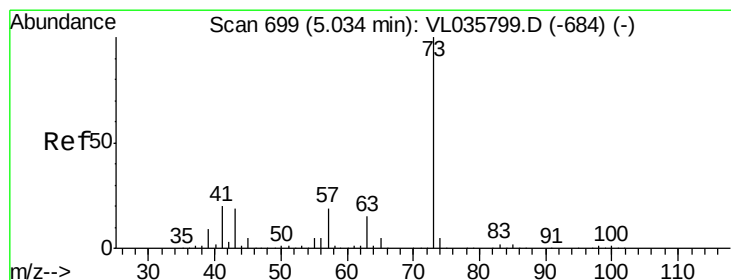
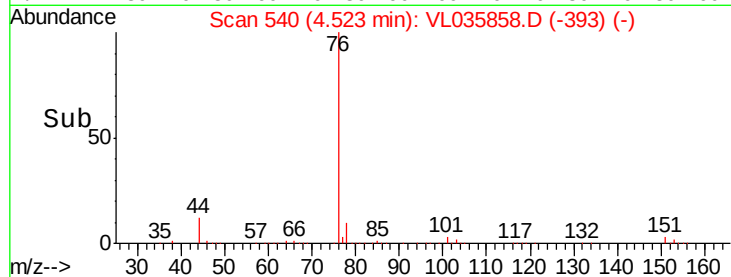
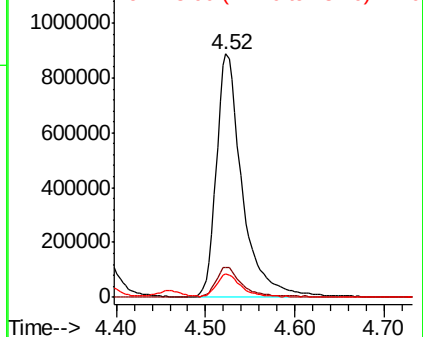
76 100

44 12.4 9.9 14.9

78 9.8 8.1 12.1



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: 9.412 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.03 min

Lab File: VL035858.D

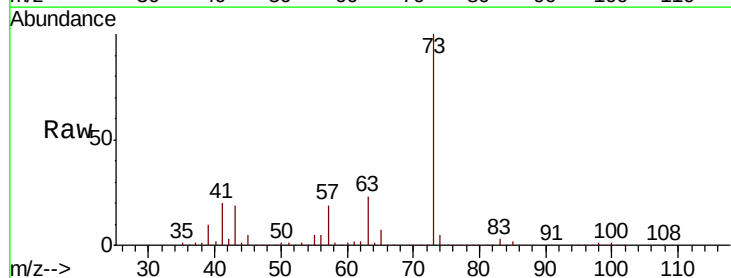
Acq: 5 Nov 2020 11:42

Tgt Ion: 73 Resp: 1972093

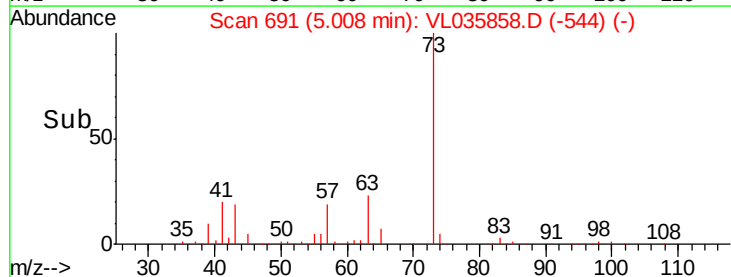
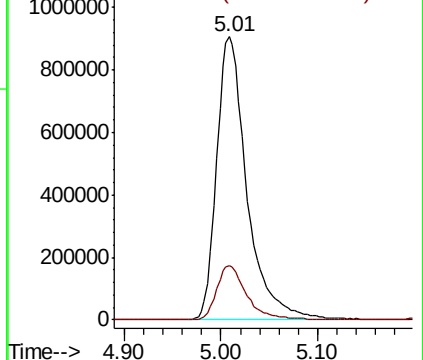
Ion Ratio Lower Upper

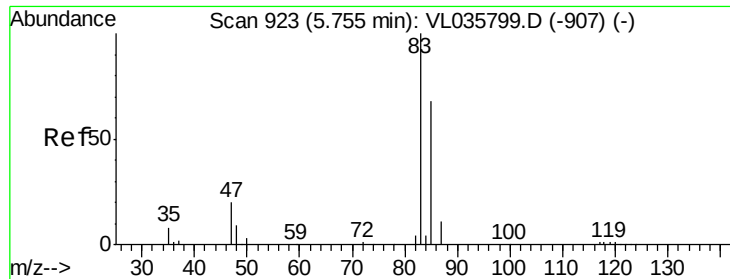
73 100

57 19.2 15.4 23.2



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

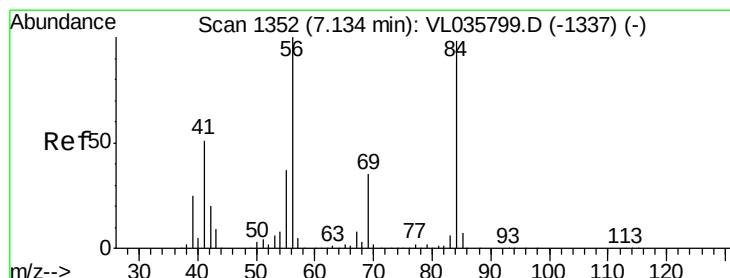
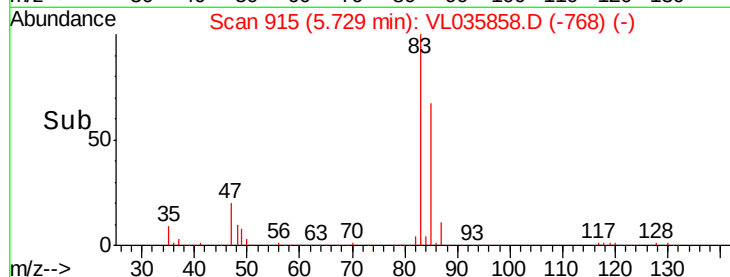
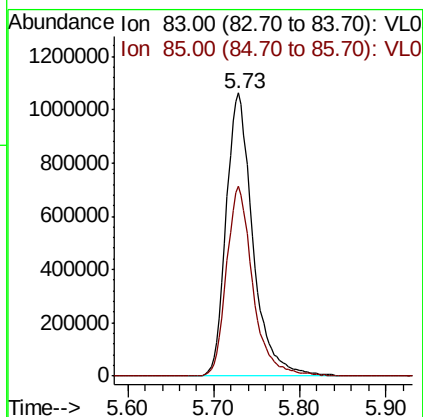
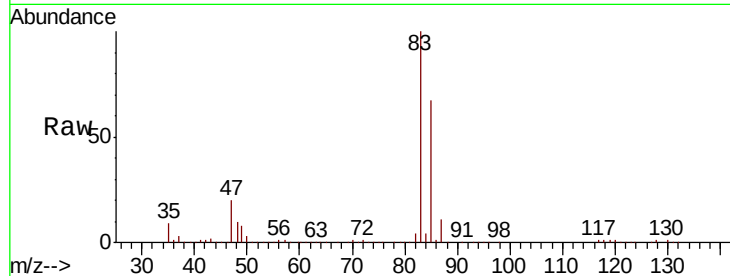




#29
Chloroform
Concen: 10.023 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.03 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

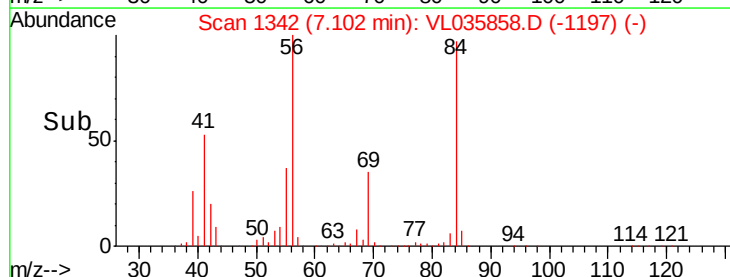
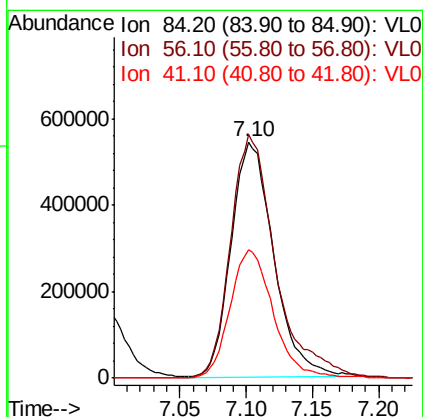
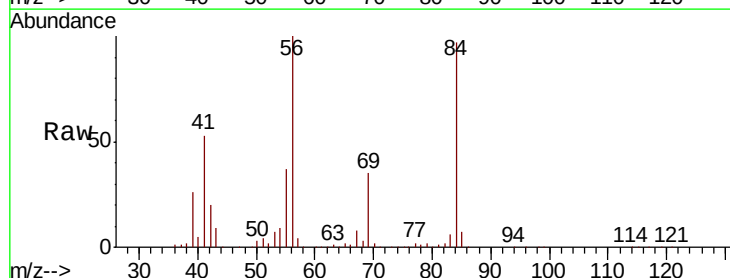
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

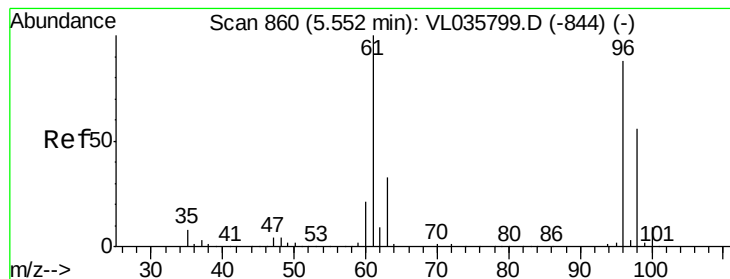
Tot Ion: 83 Resp: 2298611
Ion Ratio Lower Upper
83 100
85 66.9 54.6 81.8



#30
Cyclohexane
Concen: 9.591 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Tgt Ion: 84 Resp: 1218761
Ion Ratio Lower Upper
84 100
56 109.8 86.4 129.6
41 55.2 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 10.137 ppbv

RT: 5.52 min Scan# 851

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

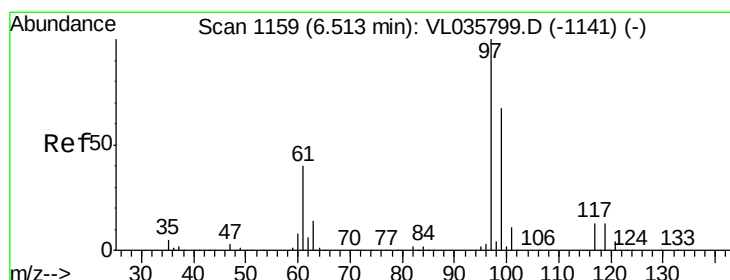
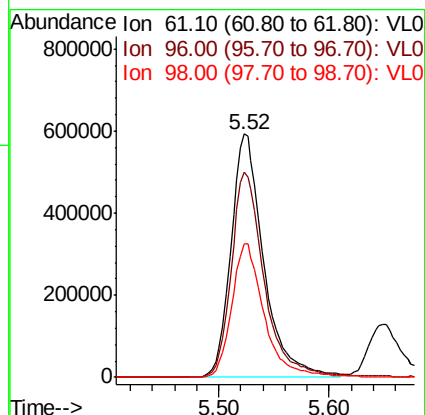
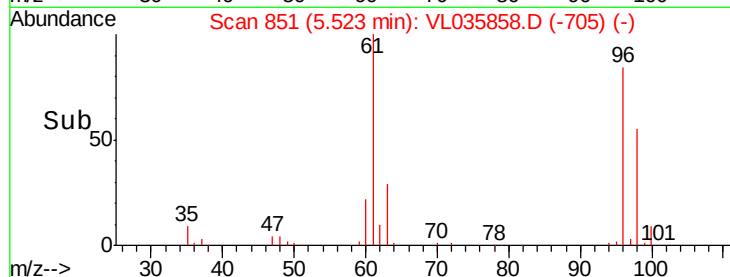
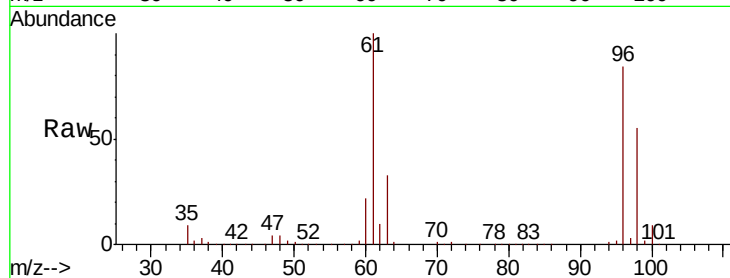
Tot Ion: 61 Resp: 1216725

Ion Ratio Lower Upper

61 100

96 84.3 70.3 105.5

98 54.5 45.0 67.6



#32

1,1,1-Trichloroethane

Concen: 9.356 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

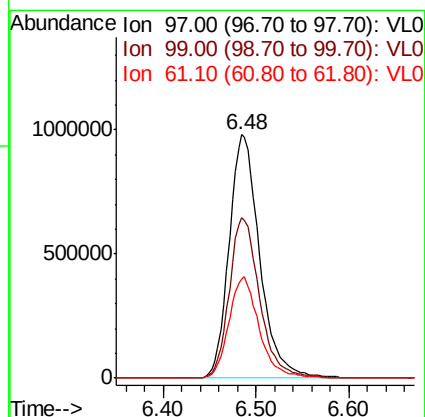
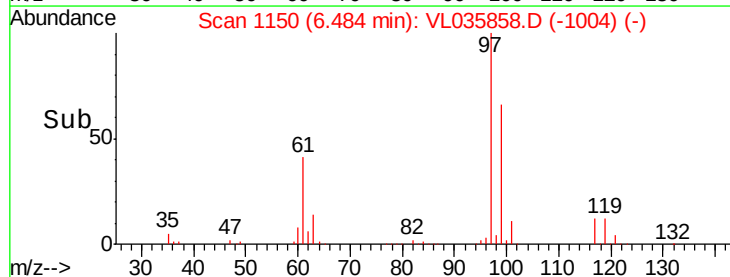
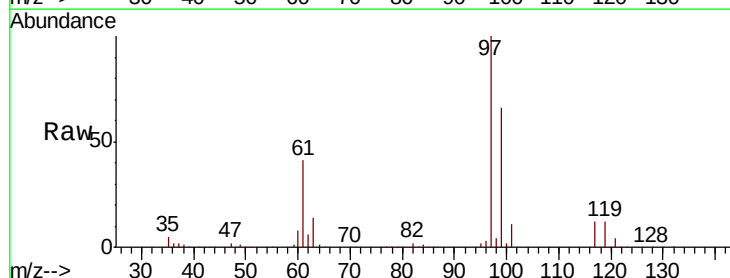
Tgt Ion: 97 Resp: 2238971

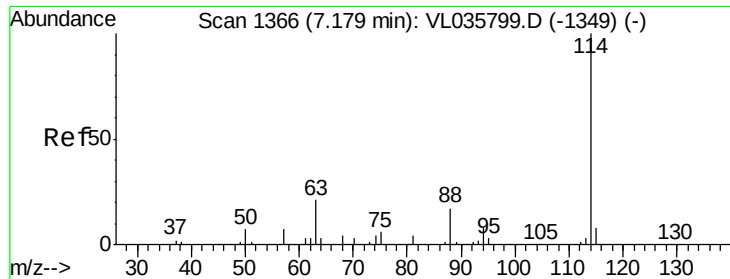
Ion Ratio Lower Upper

97 100

99 65.7 52.3 78.5

61 41.3 32.0 48.0

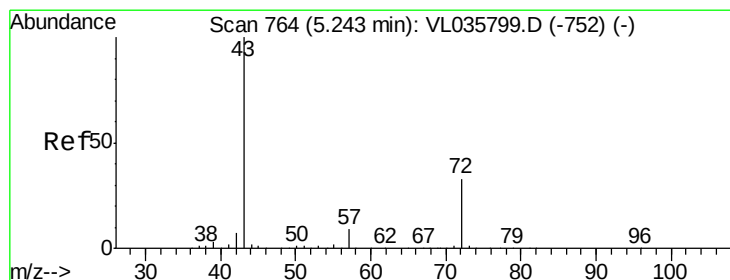
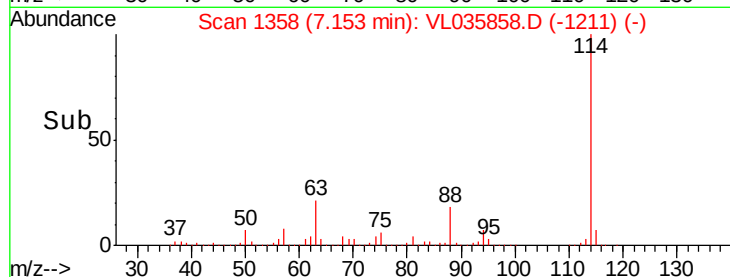
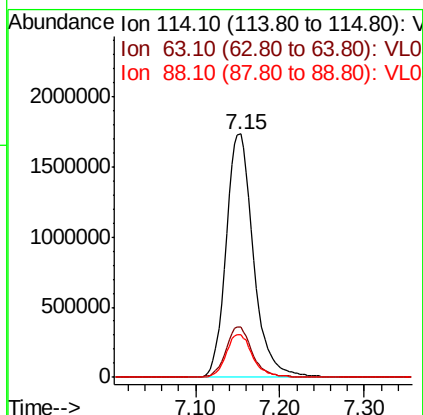
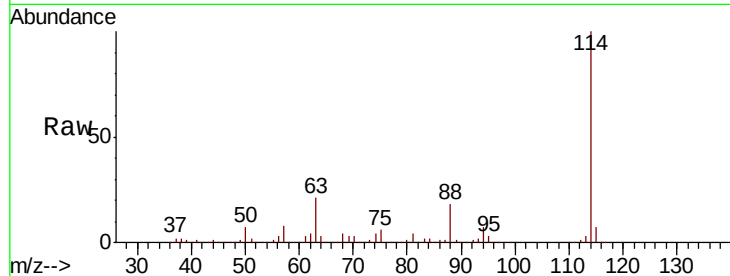




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

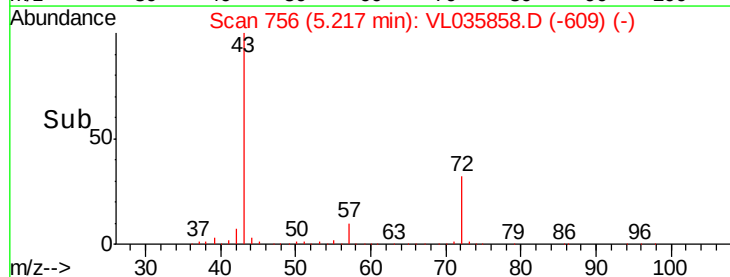
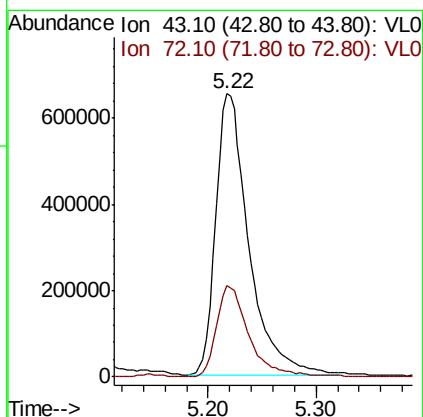
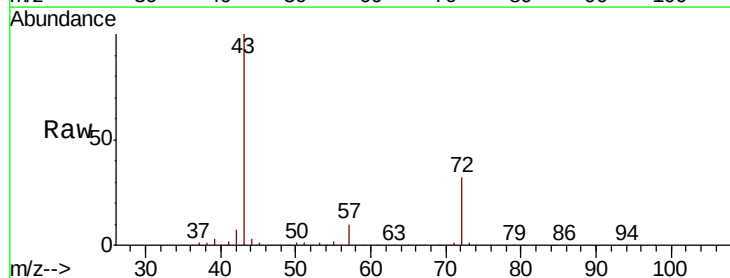
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

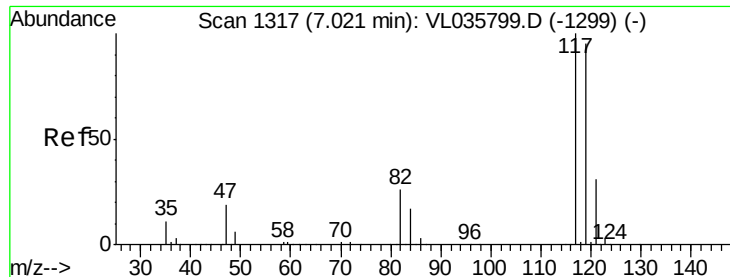
Tot Ion:114 Resp: 3904811
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 17.3 13.7 20.5



#34
 2-Butanone
 Concen: 10.934 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion: 43 Resp: 1385686
 Ion Ratio Lower Upper
 43 100
 72 32.4 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.789 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

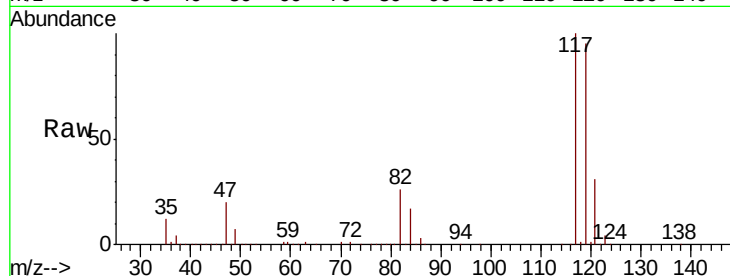
Tot Ion:117 Resp: 2250869

Ion Ratio Lower Upper

117 100

119 94.7 75.6 113.4

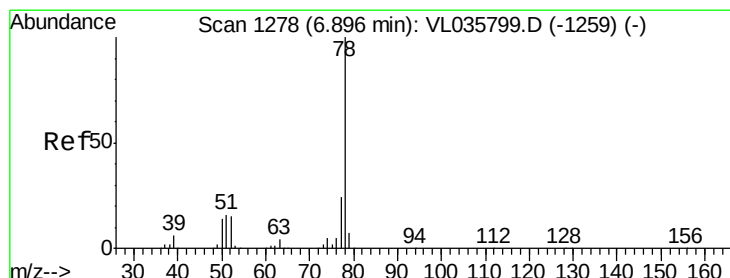
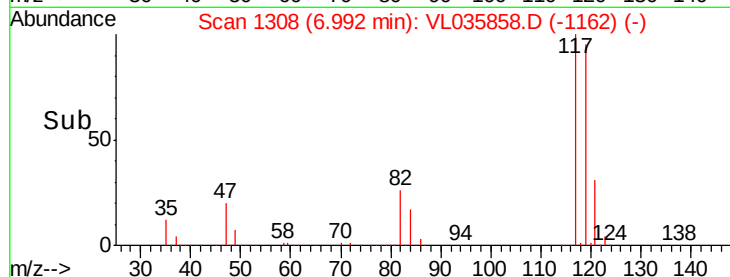
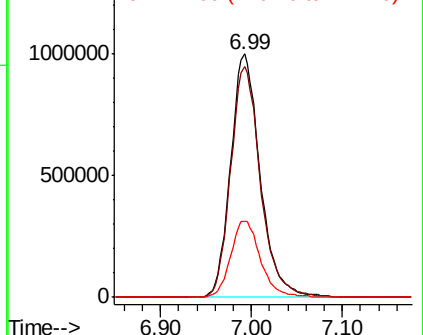
121 31.4 25.1 37.7



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: 10.059 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

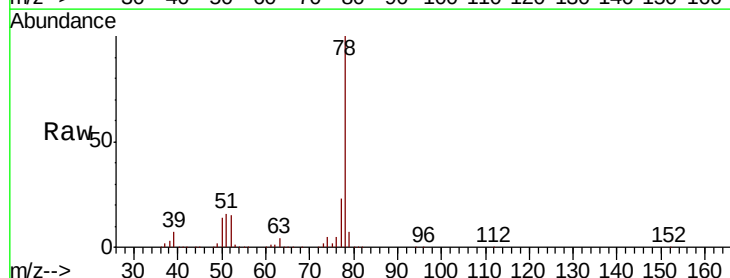
Tgt Ion: 78 Resp: 2920135

Ion Ratio Lower Upper

78 100

77 22.9 19.3 28.9

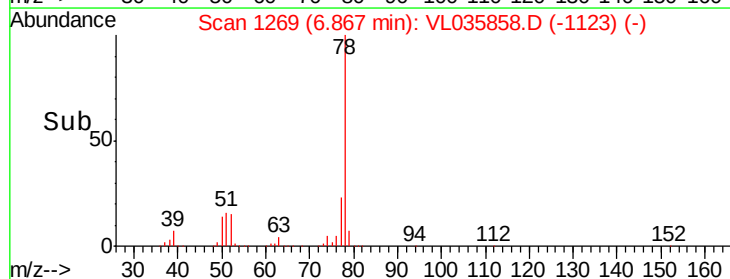
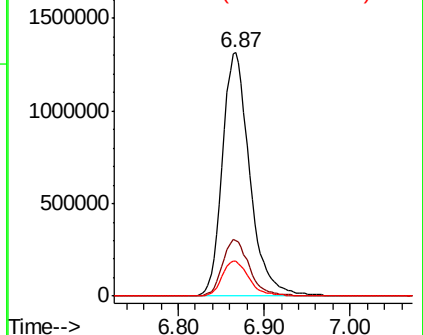
50 14.4 11.4 17.2

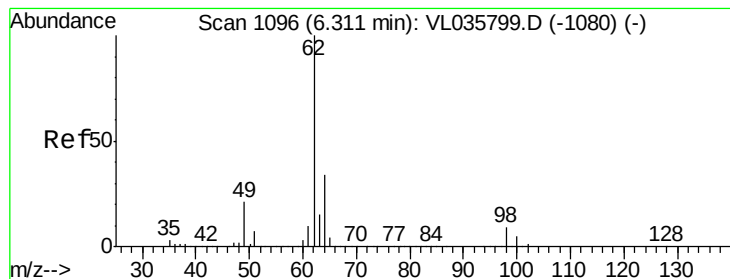


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.999 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

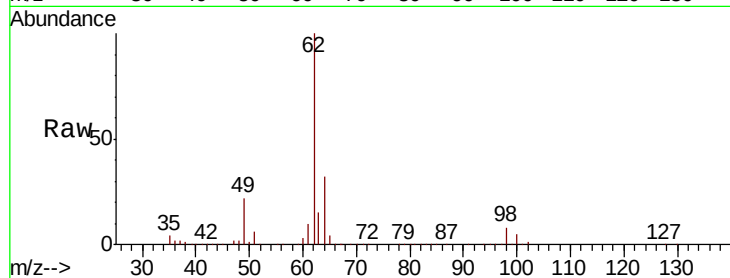
VSTDCCC010

Tot Ion: 62 Resp: 1446567

Ion Ratio Lower Upper

62 100

98 8.3 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.28

800000

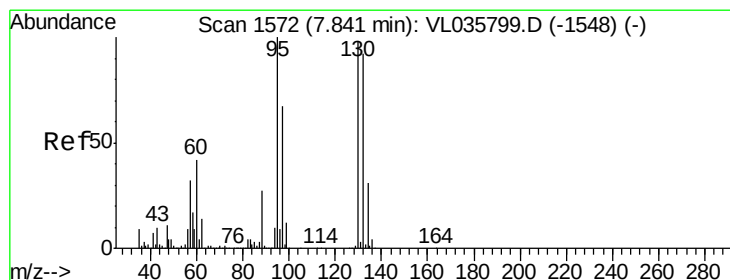
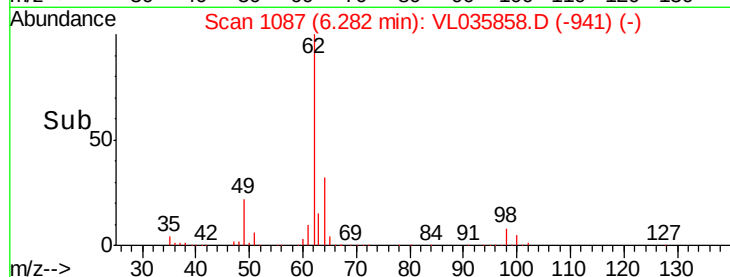
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.404 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Tgt Ion:130 Resp: 1333499

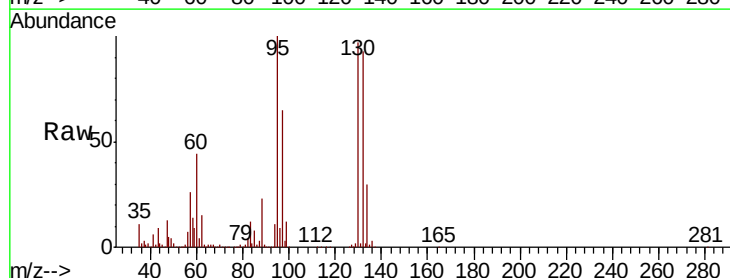
Ion Ratio Lower Upper

130 100

95 103.1 81.6 122.4

132 95.8 75.1 112.7

97 67.0 54.6 81.8



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

1000000

800000

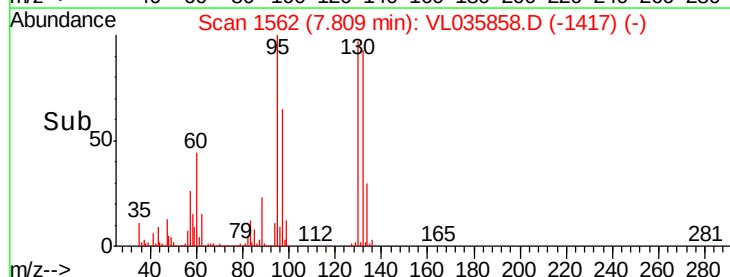
600000

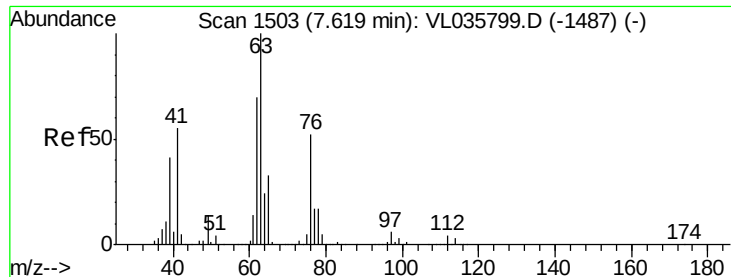
400000

200000

0

Time-->

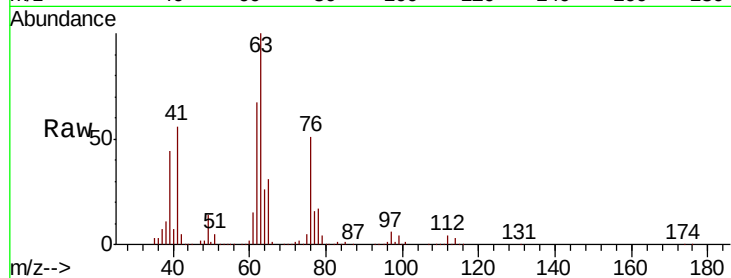




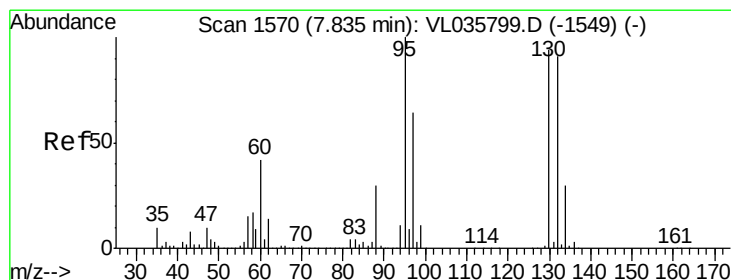
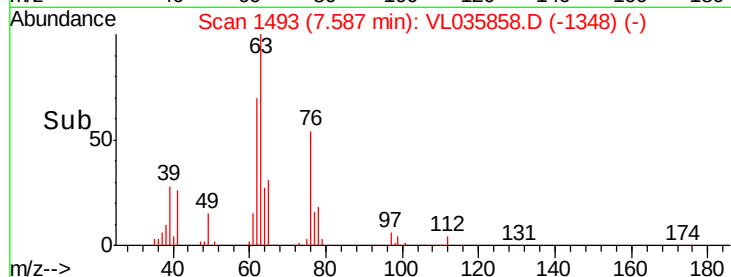
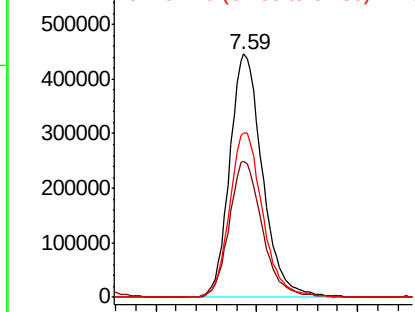
#39
 1,2-Dichloropropane
 Concen: 10.333 ppbv
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 63 Resp: 1009870
 Ion Ratio Lower Upper
 63 100
 41 55.9 43.8 65.6
 62 67.3 56.2 84.2

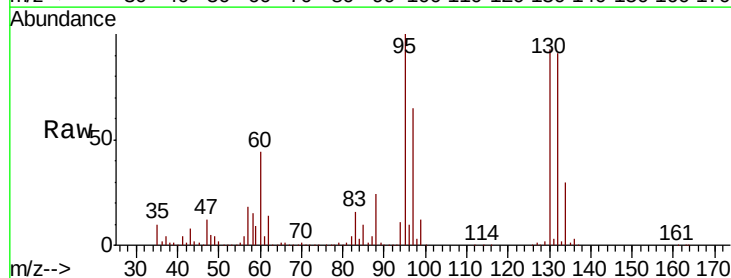


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

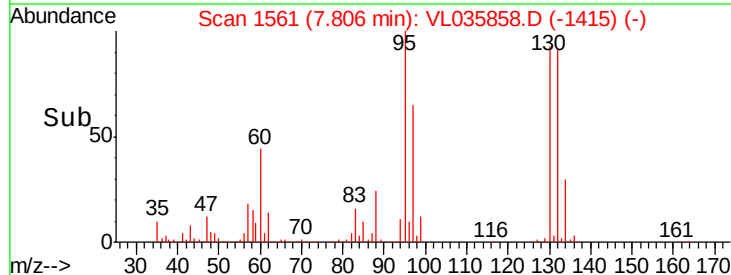
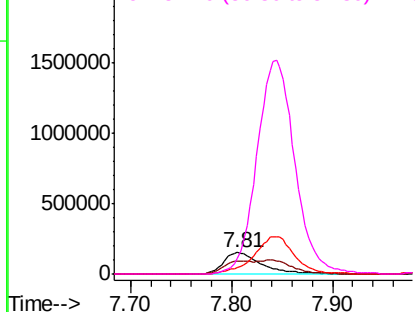


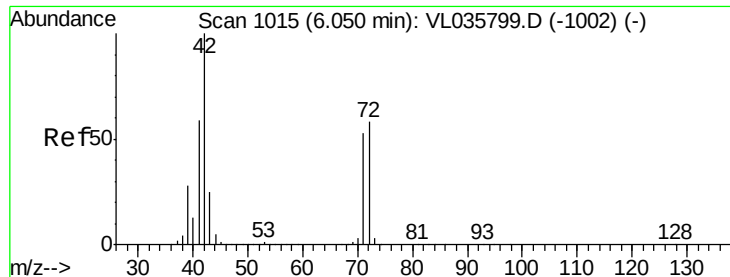
#40
 1,4-Dioxane
 Concen: 8.445 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion: 88 Resp: 391165
 Ion Ratio Lower Upper
 88 100
 58 108.0 76.2 114.2
 43 189.0 123.1 184.7#
 57 1018.5 661.0 991.4#



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: 11.315 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

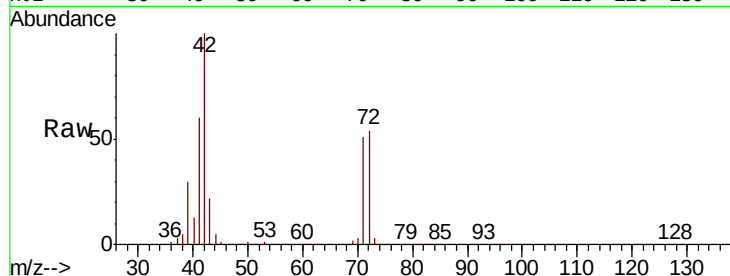
Tot Ion: 42 Resp: 814649

Ion Ratio Lower Upper

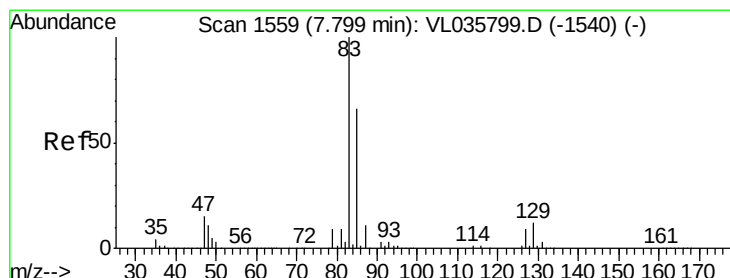
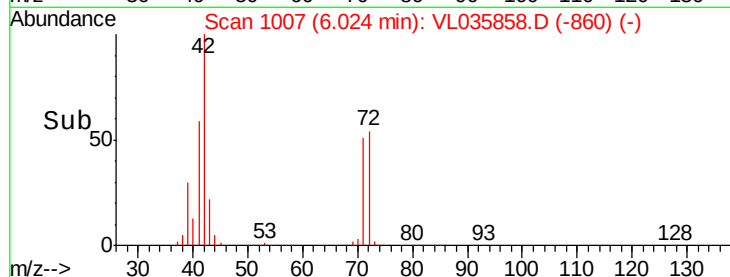
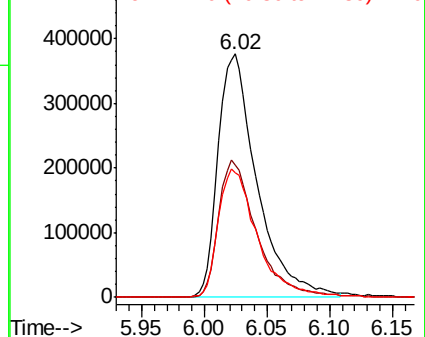
42 100

72 55.6 45.4 68.0

71 53.0 43.4 65.2



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: 10.568 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

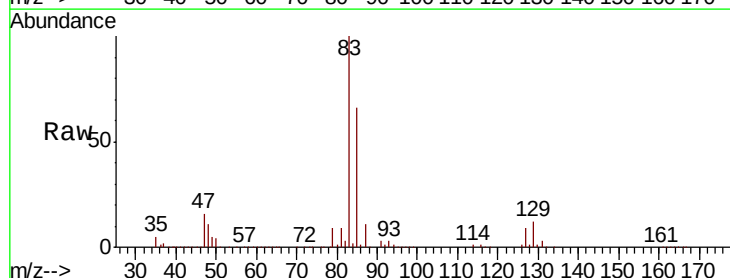
Tgt Ion: 83 Resp: 2345150

Ion Ratio Lower Upper

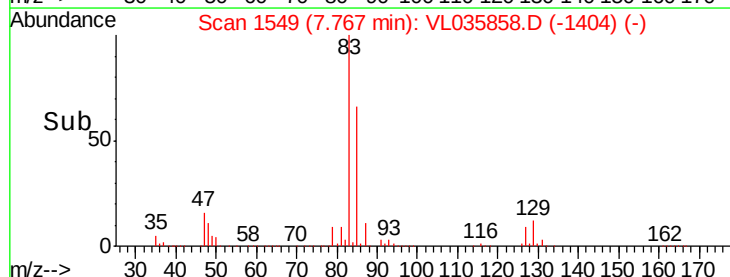
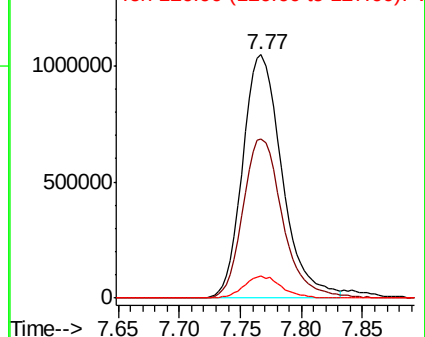
83 100

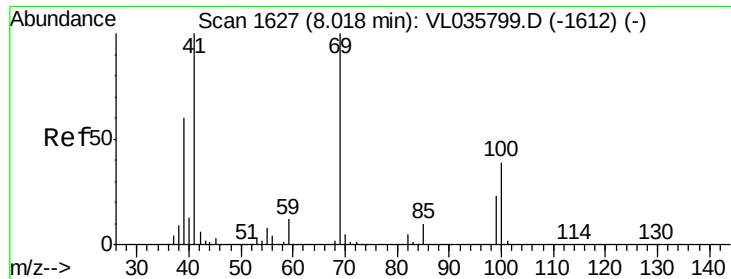
85 65.6 53.1 79.7

127 9.2 7.3 10.9



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: 10.762 ppbv

RT: 7.99 min Scan# 1618

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

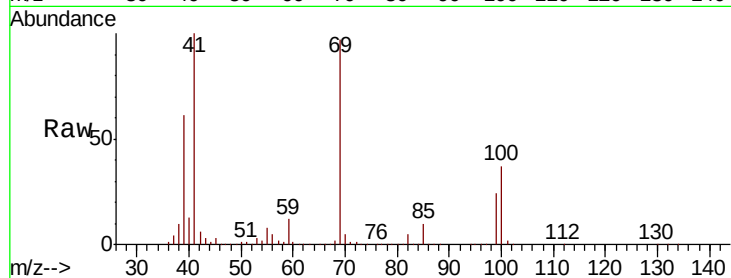
Tot Ion: 69 Resp: 1191646

Ion Ratio Lower Upper

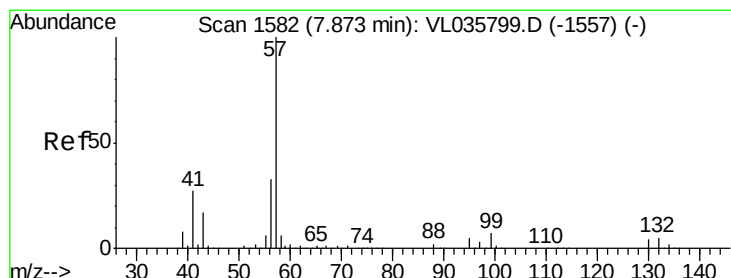
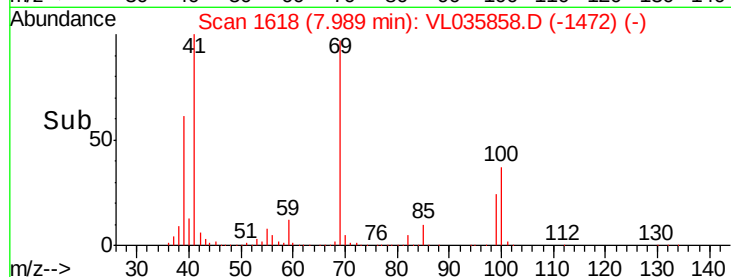
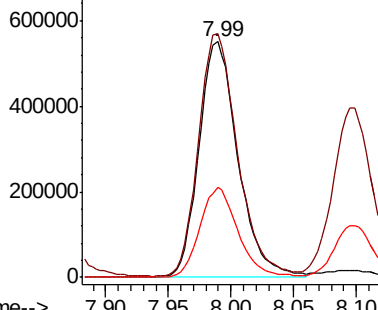
69 100

41 103.8 81.1 121.7

100 37.4 31.0 46.4



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.362 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

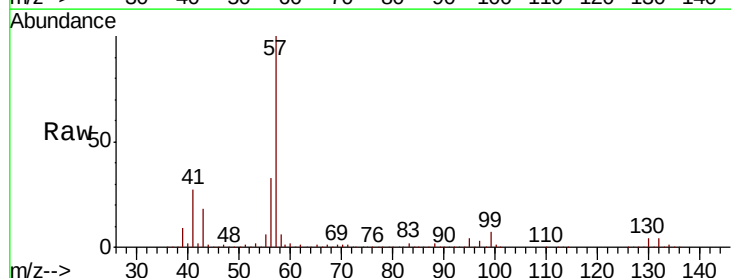
Tgt Ion: 57 Resp: 3980516

Ion Ratio Lower Upper

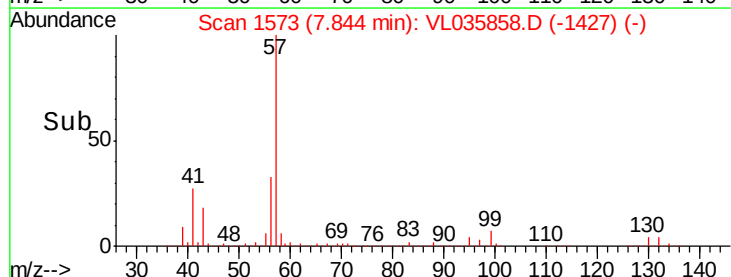
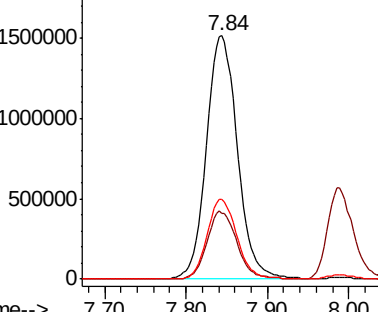
57 100

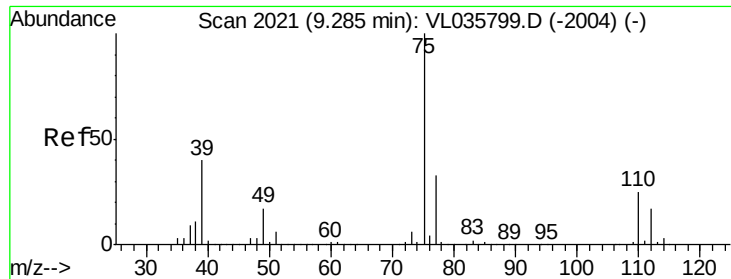
41 27.0 21.0 31.4

56 31.6 25.4 38.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

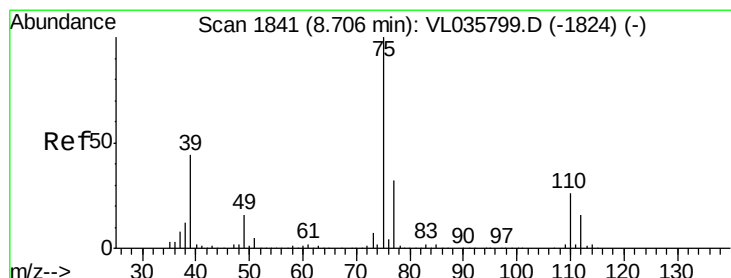
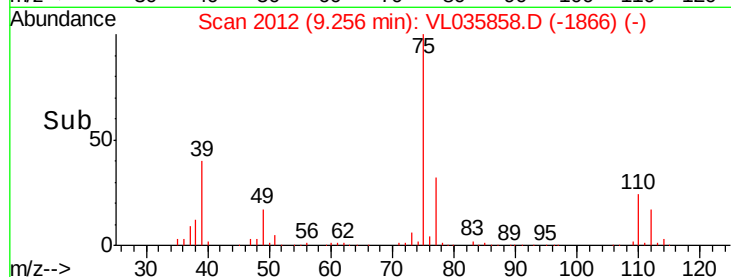
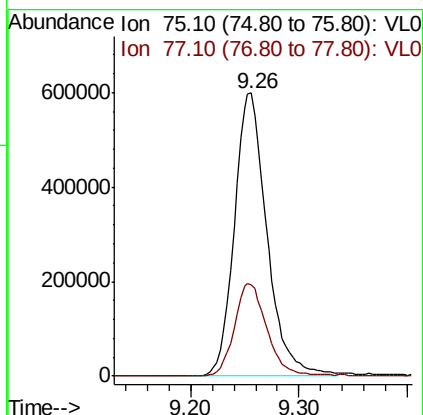
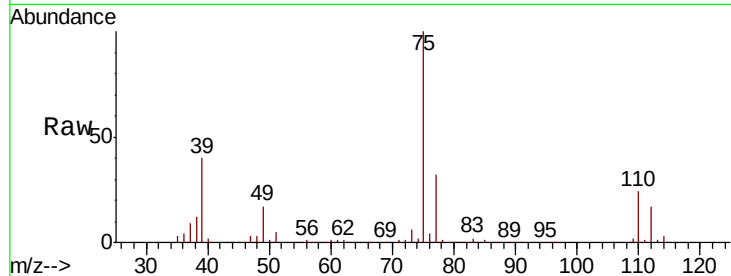




#45
 t-1,3-Dichloropropene
 Concen: 10.725 ppbv
 RT: 9.26 min Scan# 2012
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

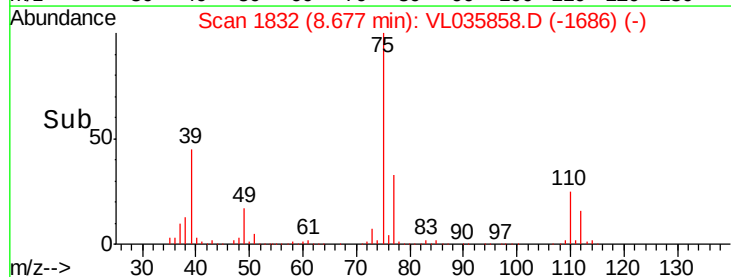
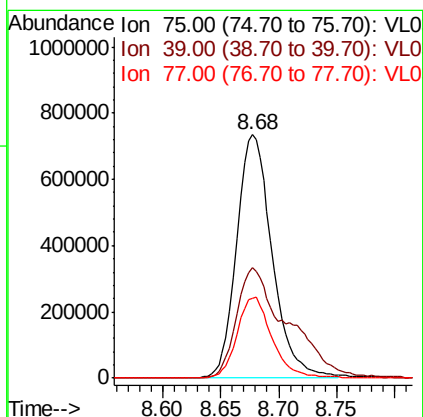
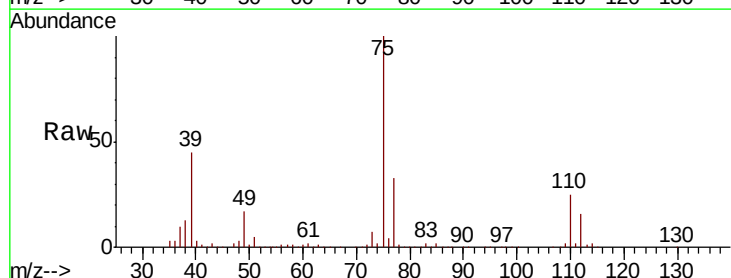
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

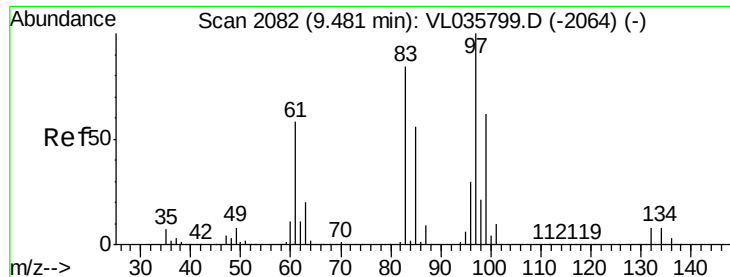
Tot Ion: 75 Resp: 1258881
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.521 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion: 75 Resp: 1564036
 Ion Ratio Lower Upper
 75 100
 39 45.1 35.1 52.7
 77 33.0 25.7 38.5



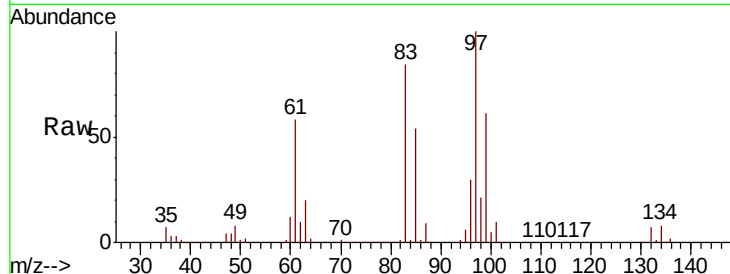


#47
 1,1,2-Trichloroethane
 Concen: 10.103 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1345405

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.1	100.7
85	54.2	44.7	67.1
99	61.4	49.7	74.5



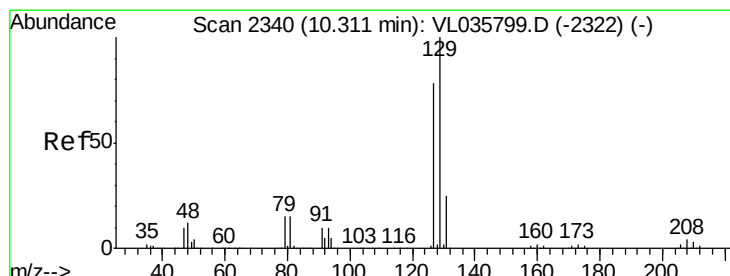
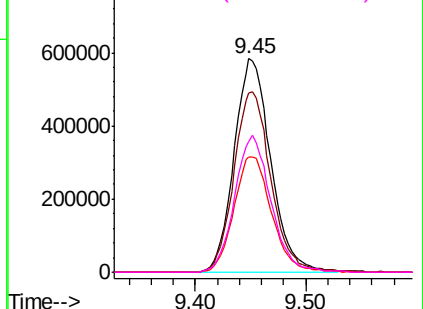
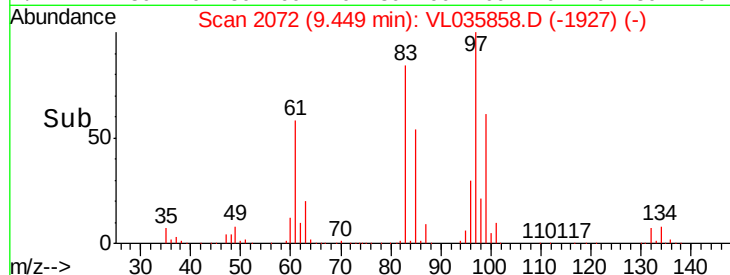
Abundance

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

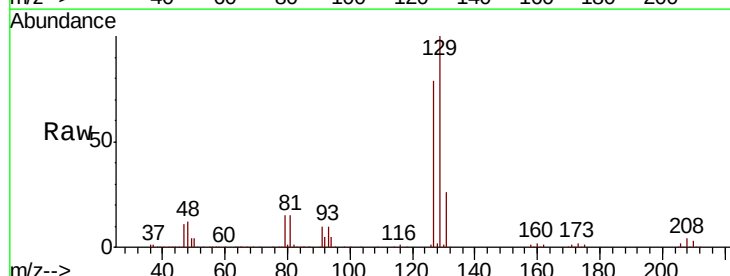
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.796 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion: 129 Resp: 2196404

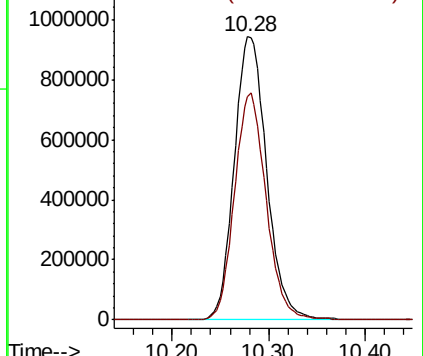
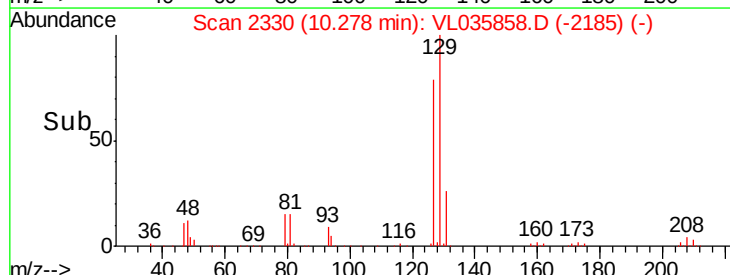
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.2	117.6

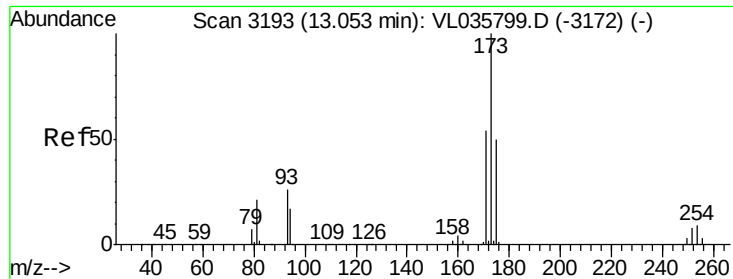


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.804 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

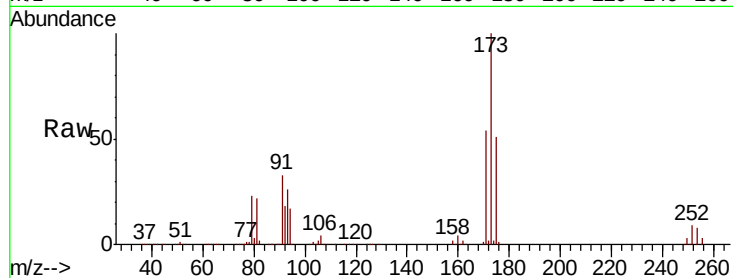
Tot Ion:173 Resp: 1854751

Ion Ratio Lower Upper

173 100

175 49.7 40.1 60.1

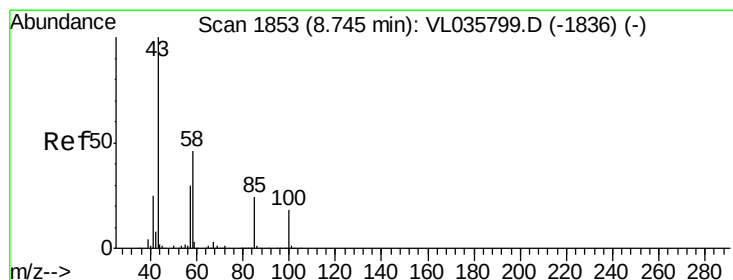
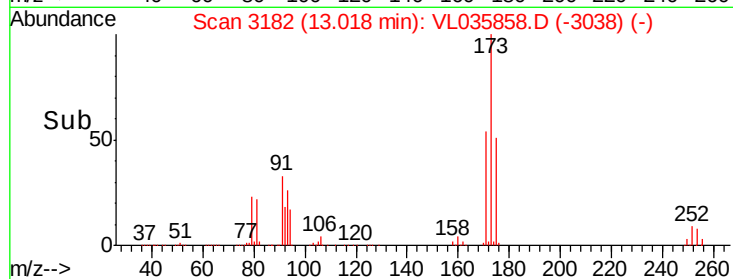
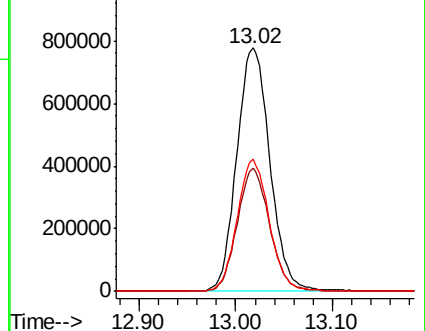
171 52.9 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.179 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.03 min

Lab File: VL035858.D

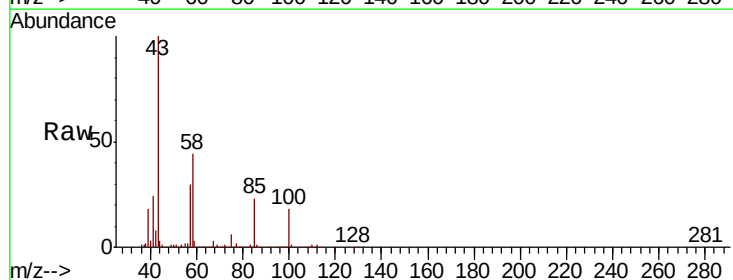
Acq: 5 Nov 2020 11:42

Tgt Ion: 43 Resp: 2166351

Ion Ratio Lower Upper

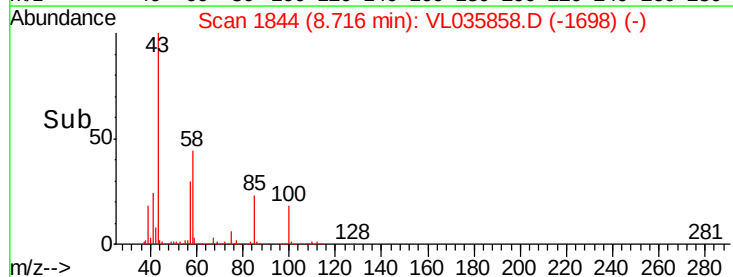
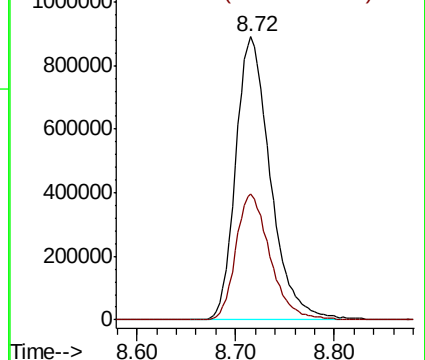
43 100

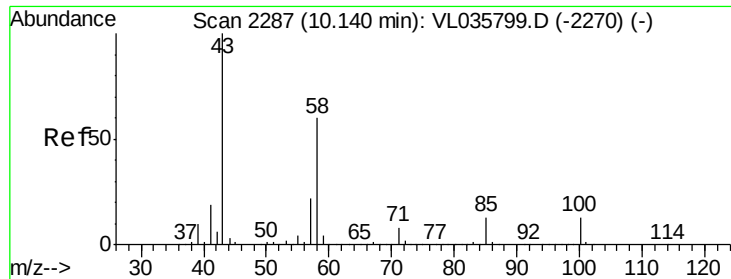
58 44.4 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.377 ppbv

RT: 10.11 min Scan# 2278

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

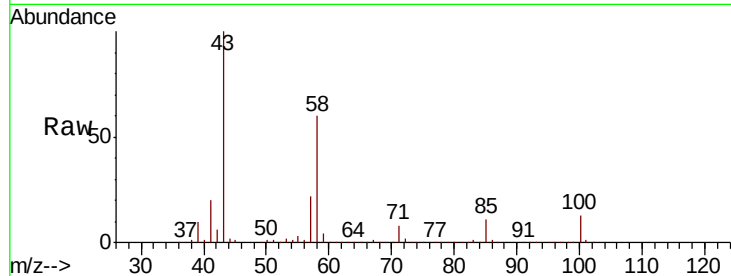
Tot Ion: 43 Resp: 1771050

Ion Ratio Lower Upper

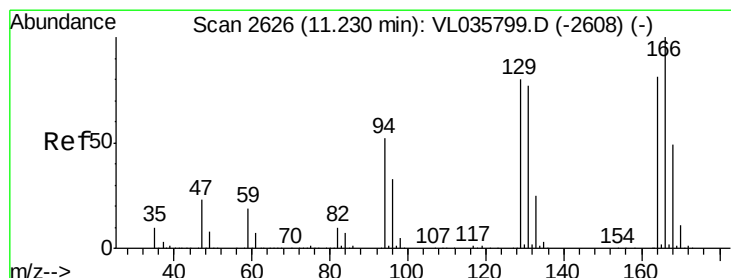
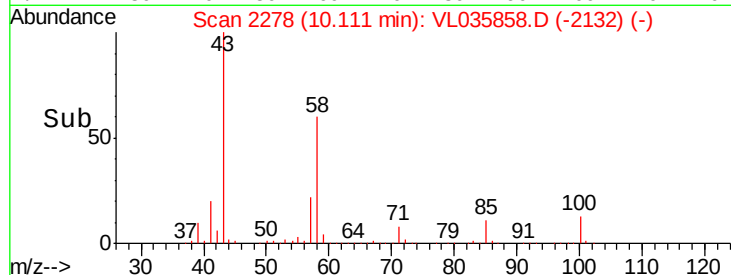
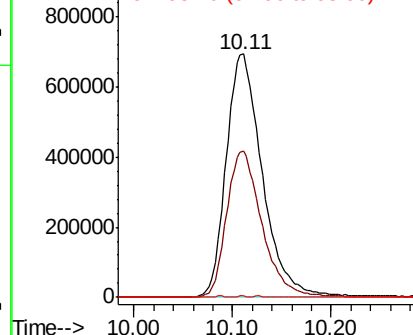
43 100

58 59.4 48.3 72.5

98 0.8 0.6 0.8



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: 9.231 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Tgt Ion:164 Resp: 1269589

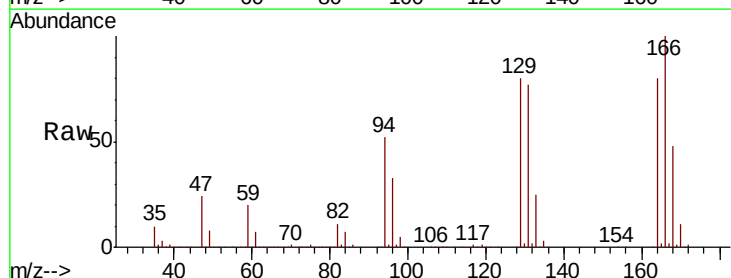
Ion Ratio Lower Upper

164 100

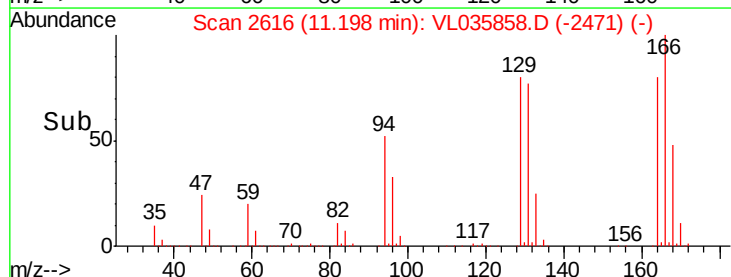
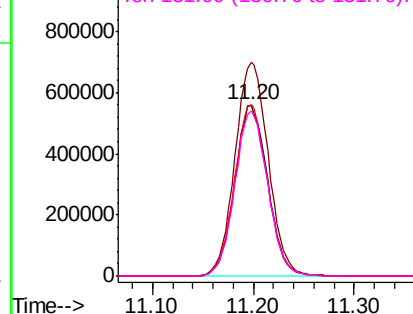
166 125.0 99.3 148.9

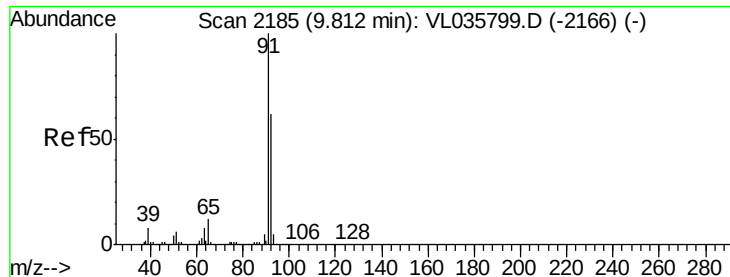
129 100.0 79.3 118.9

131 96.7 76.5 114.7



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: 10.056 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

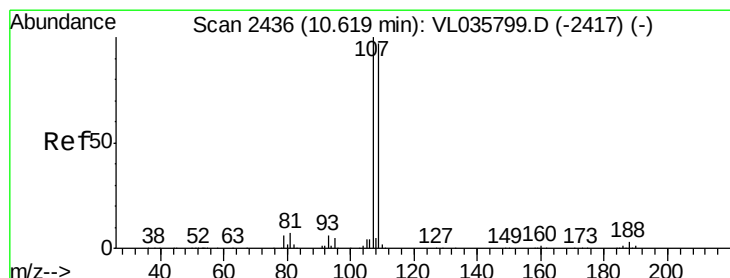
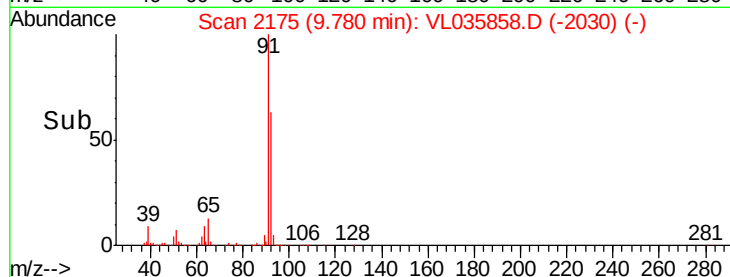
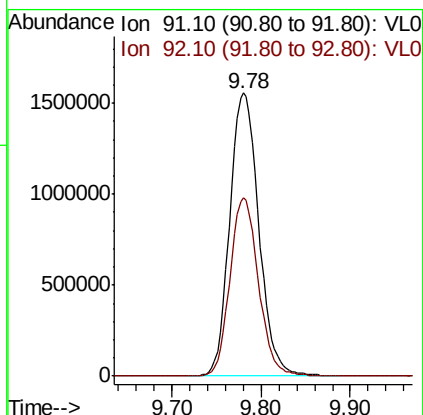
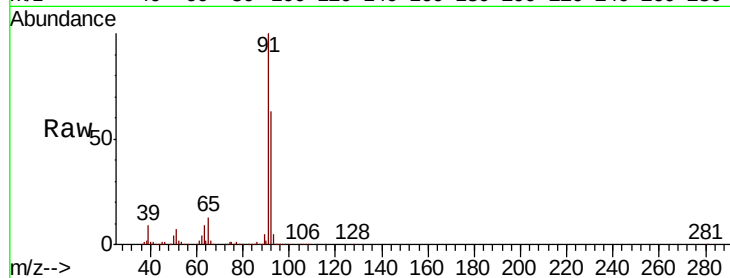
VSTDCCC010

Tot Ion: 91 Resp: 3522499

Ion Ratio Lower Upper

91 100

92 61.8 49.8 74.6



#54

1,2-Dibromoethane

Concen: 10.117 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.03 min

Lab File: VL035858.D

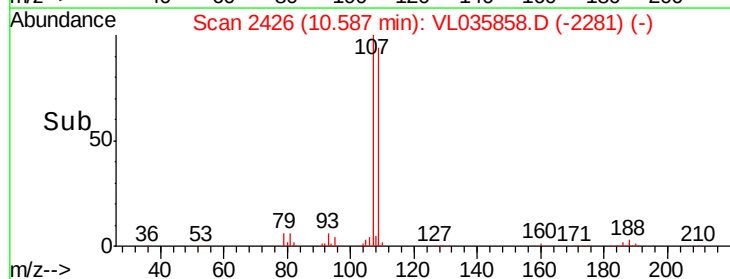
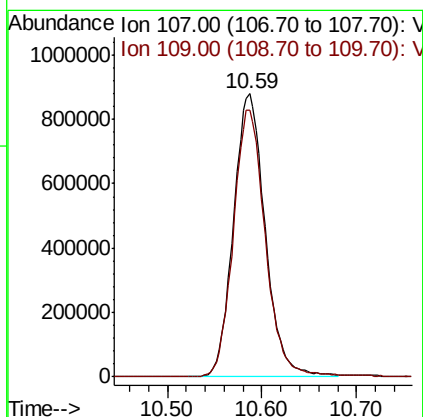
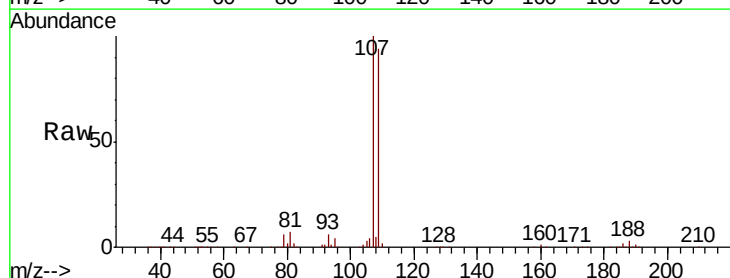
Acq: 5 Nov 2020 11:42

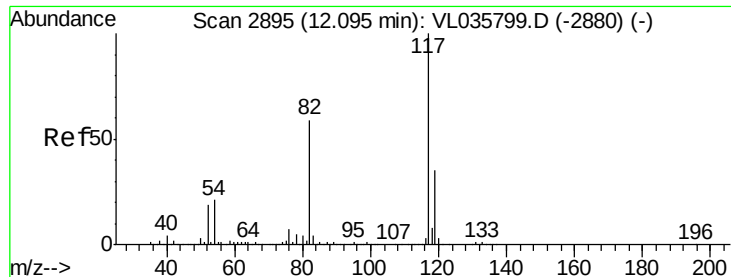
Tgt Ion: 107 Resp: 2049095

Ion Ratio Lower Upper

107 100

109 94.4 77.2 115.8

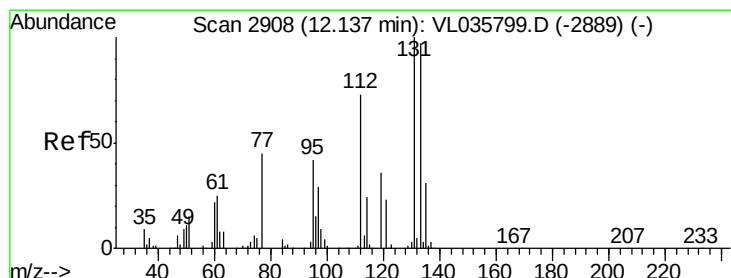
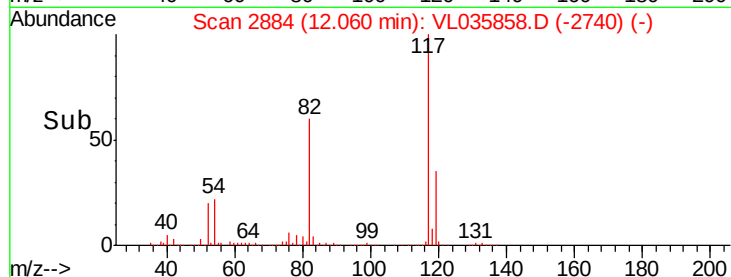
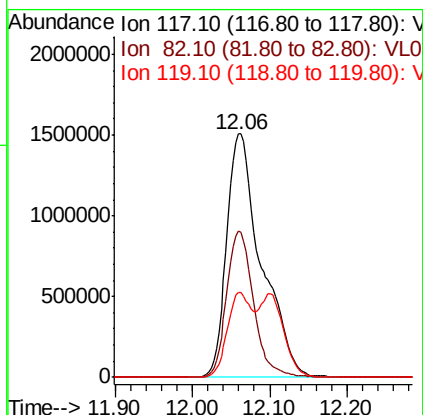
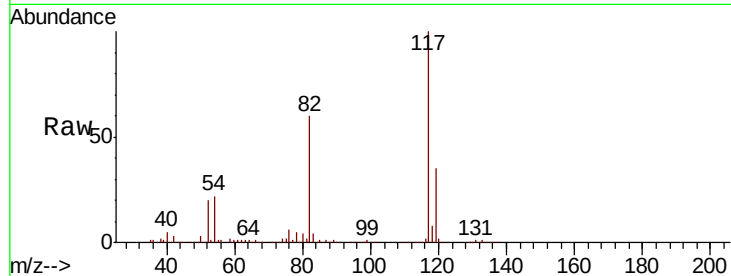




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

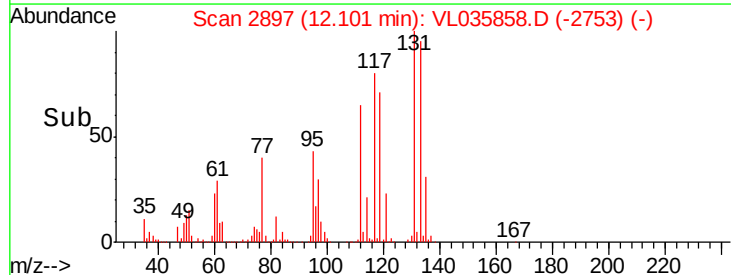
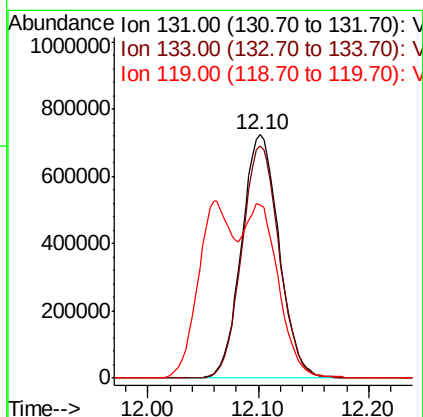
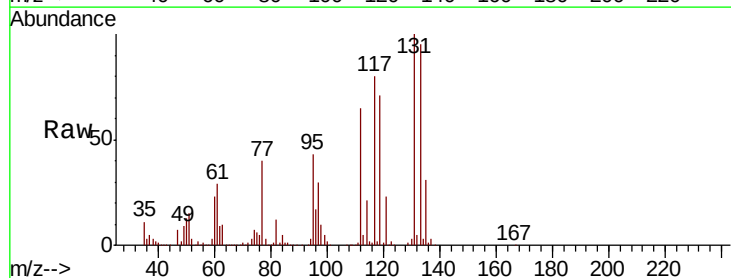
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

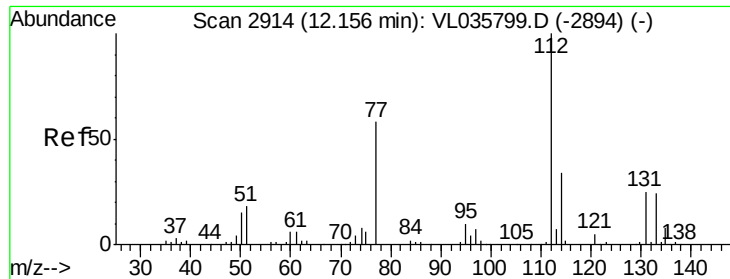
Tot Ion:117 Resp: 4698815
Ion Ratio Lower Upper
117 100
82 46.6 50.6 76.0#
119 27.1 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.084 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.04 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Tgt Ion:131 Resp: 1704935
Ion Ratio Lower Upper
131 100
133 95.7 76.8 115.2
119 61.5 47.4 71.0

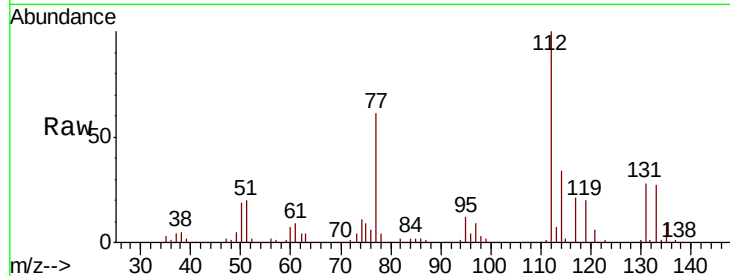




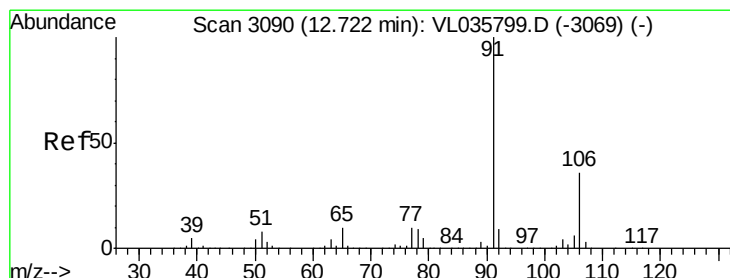
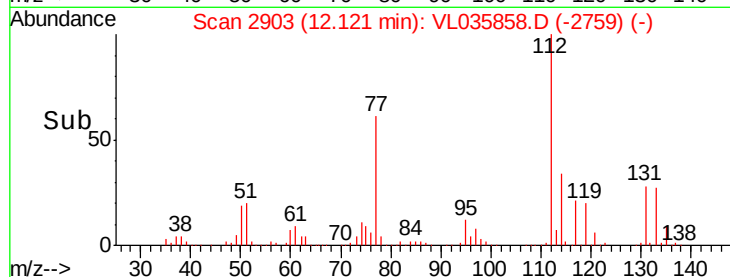
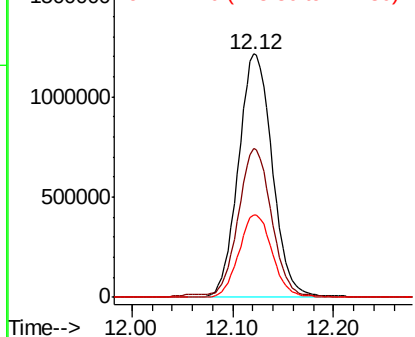
#57
Chlorobenzene
Concen: 7.566 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.04 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 2826700
Ion Ratio Lower Upper
112 100
77 60.9 47.5 71.3
114 33.7 30.3 37.1

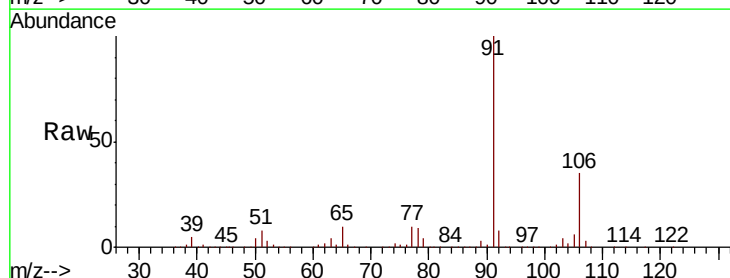


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

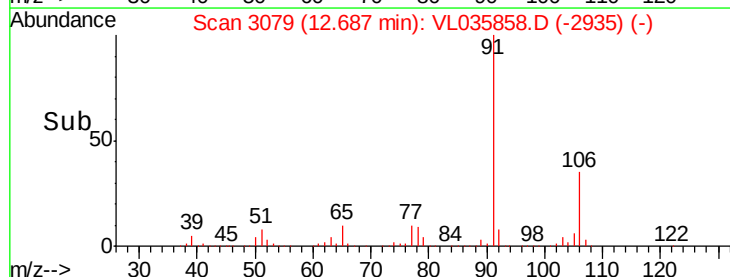
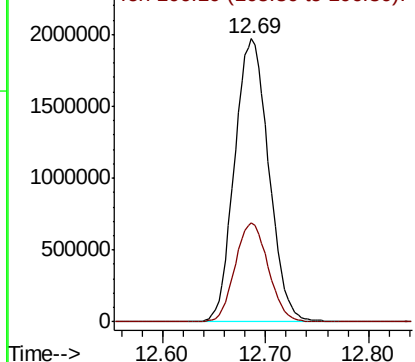


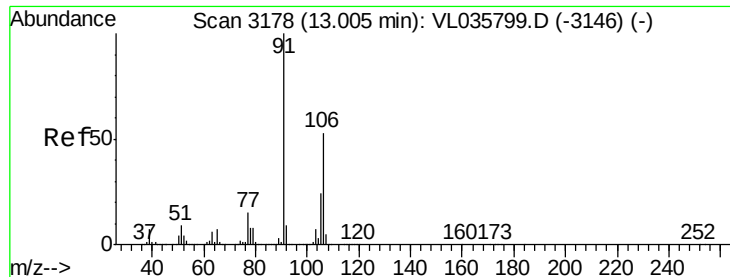
#58
Ethyl Benzene
Concen: 7.945 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.04 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Tgt Ion: 91 Resp: 4546985
Ion Ratio Lower Upper
91 100
106 35.0 28.6 43.0



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

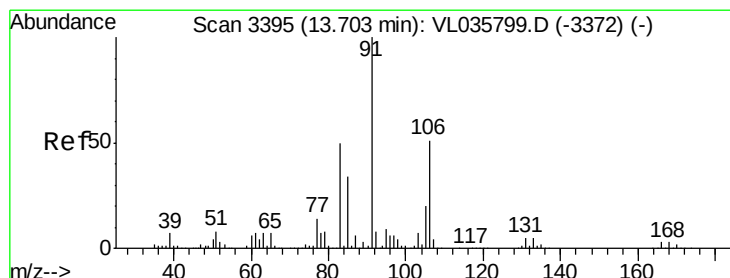
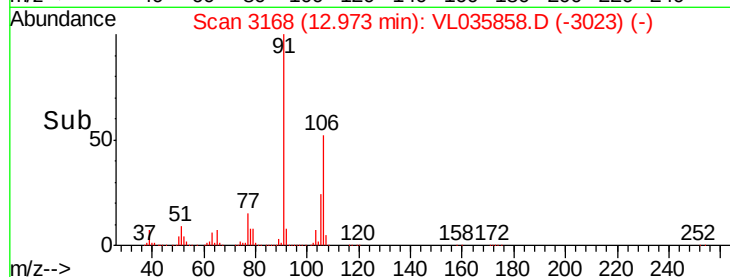
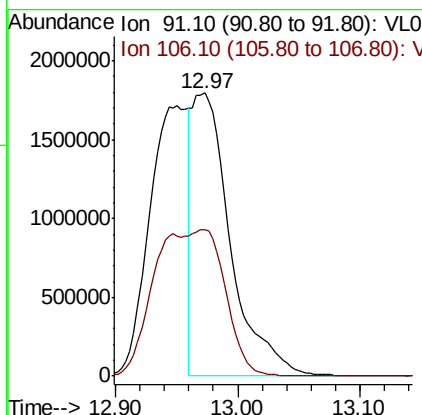
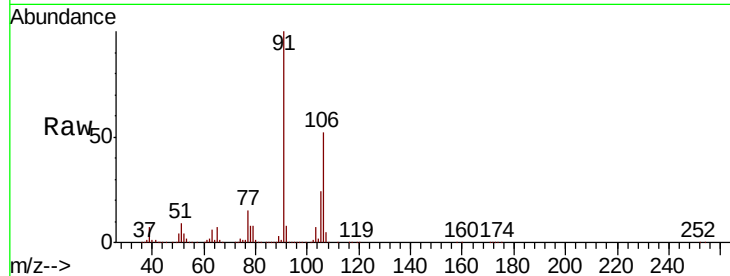




#59
m/p-Xylene
Concen: 7.980 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

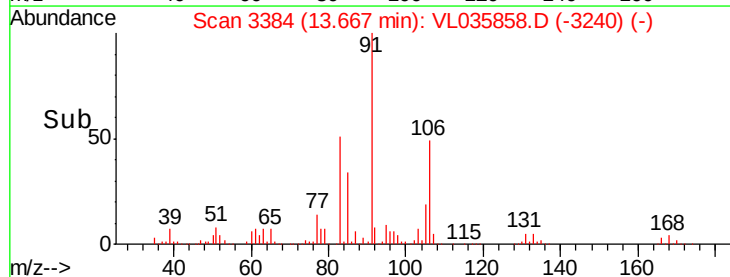
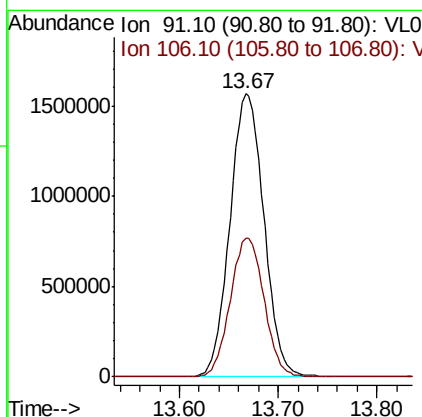
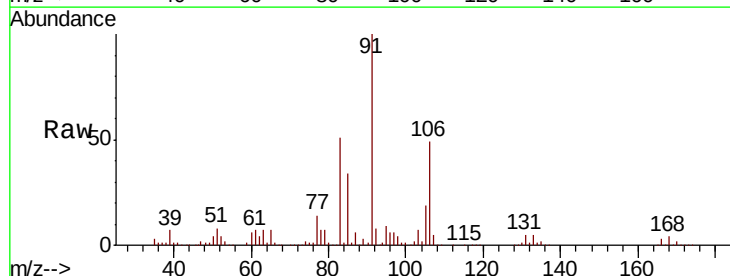
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

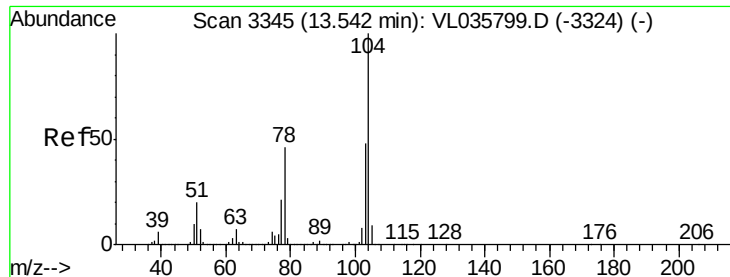
Tot Ion: 91 Resp: 3863715
Ion Ratio Lower Upper
91 100
106 97.3 39.5 59.3#



#60
o-Xylene
Concen: 7.954 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035858.D
Acq: 5 Nov 2020 11:42

Tgt Ion: 91 Resp: 3746466
Ion Ratio Lower Upper
91 100
106 49.0 24.8 74.4





#61

Stvrene

Concen: 8.206 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

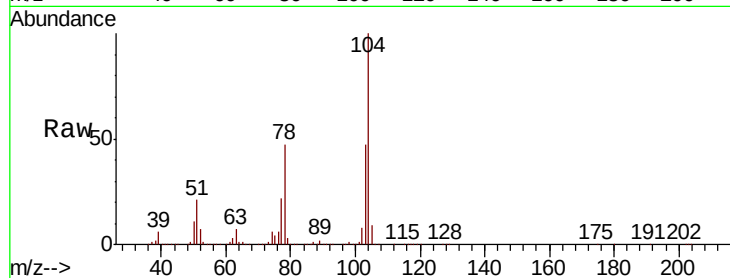
Tot Ion:104 Resp: 2831987

Ion Ratio Lower Upper

104 100

78 46.7 37.1 55.7

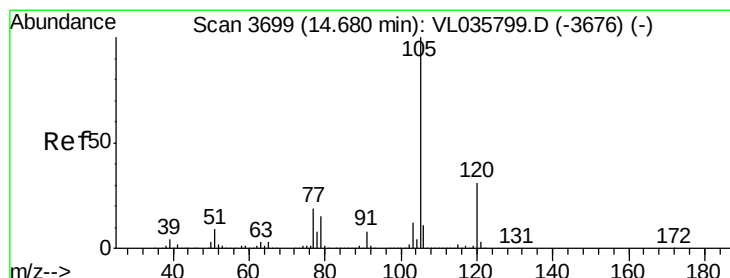
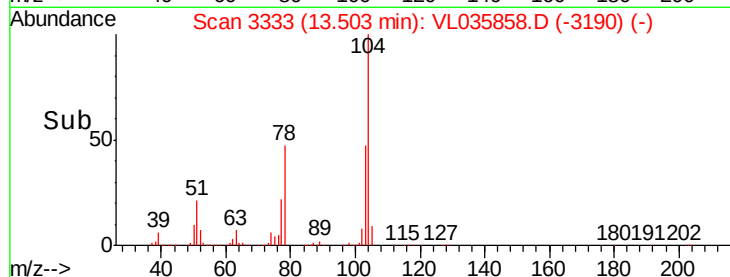
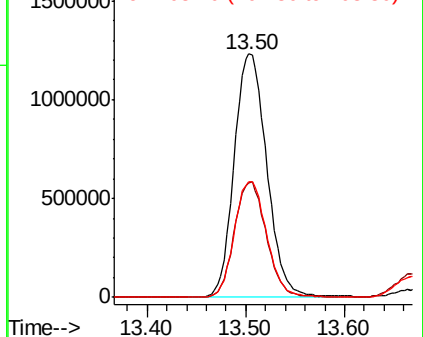
103 47.4 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.666 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.04 min

Lab File: VL035858.D

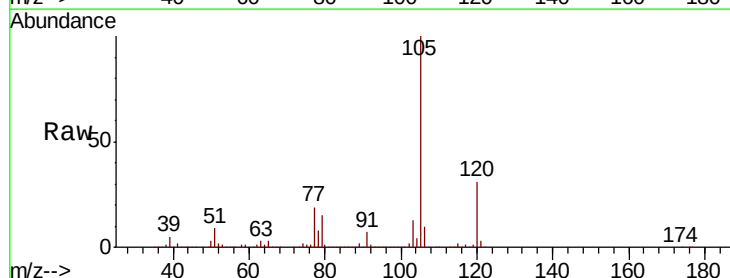
Acq: 5 Nov 2020 11:42

Tgt Ion:105 Resp: 5675048

Ion Ratio Lower Upper

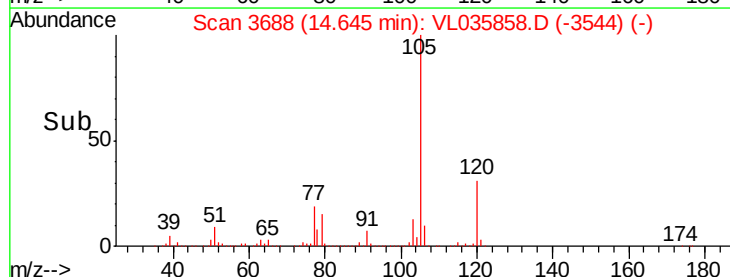
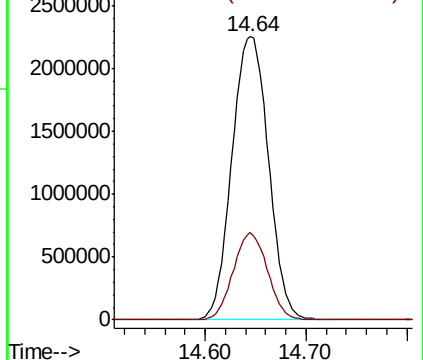
105 100

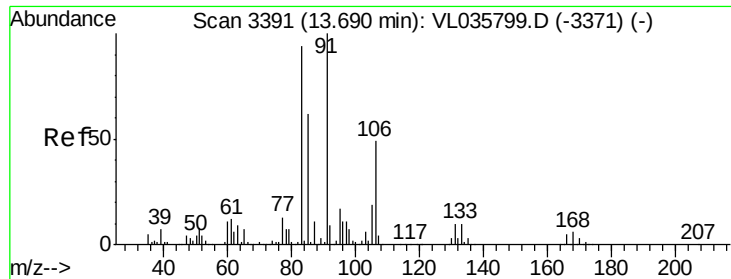
120 29.0 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

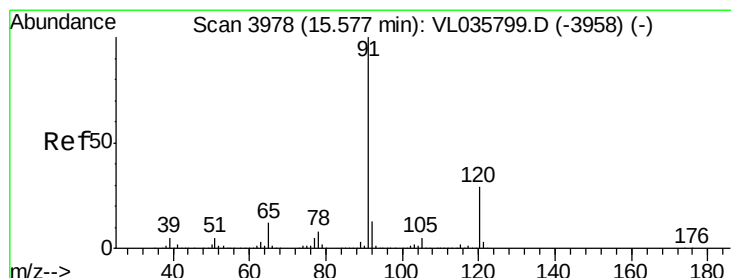
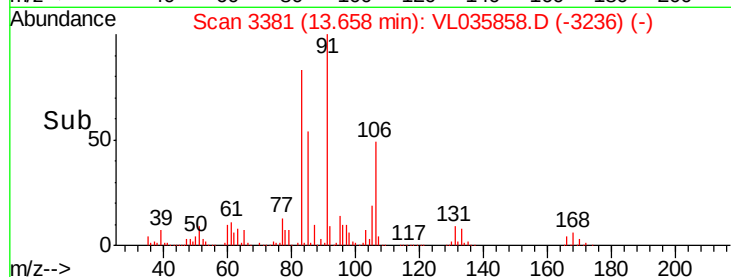
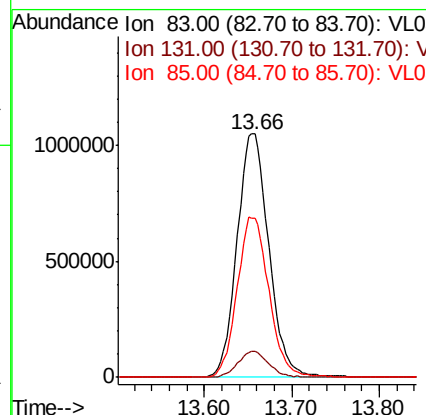
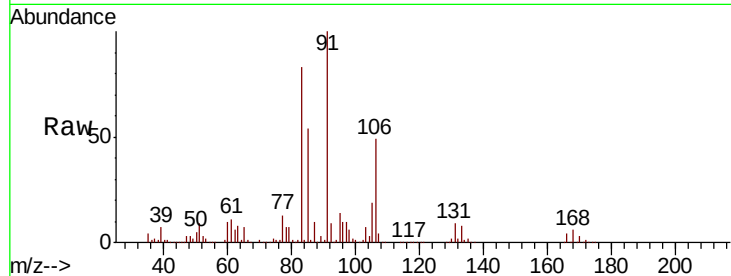




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.248 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.03 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

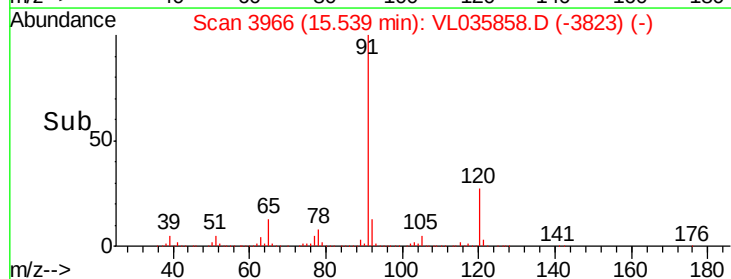
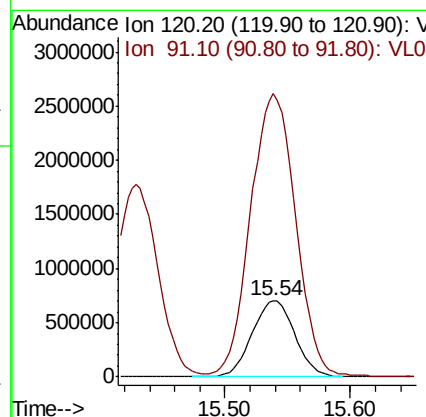
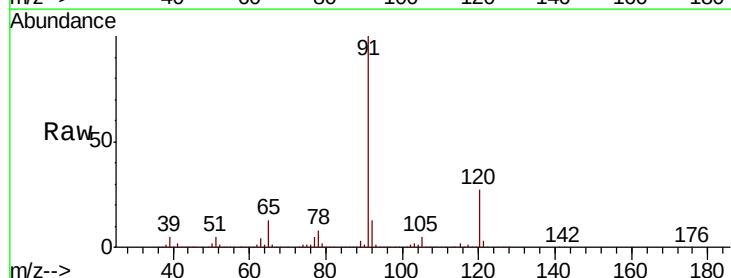
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

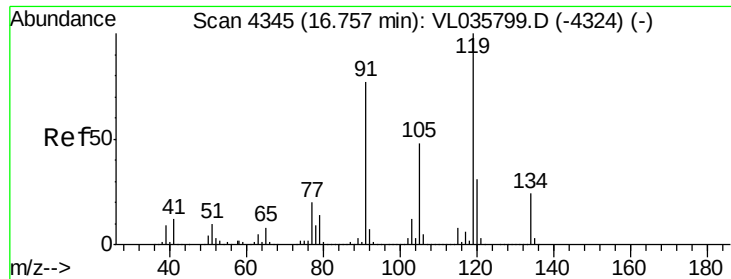
Tot Ion: 83 Resp: 2645307
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.3 15.8
 85 66.1 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.742 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion:120 Resp: 1656611
 Ion Ratio Lower Upper
 120 100
 91 395.5 311.1 466.7





#65

tert-Butylbenzene

Concen: 7.463 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

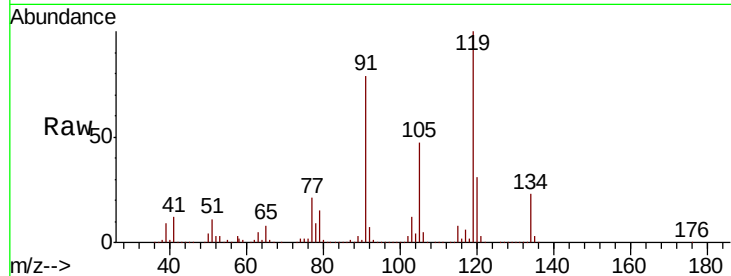
Tot Ion:119 Resp: 5029068

Ion Ratio Lower Upper

119 100

91 78.0 62.0 93.0

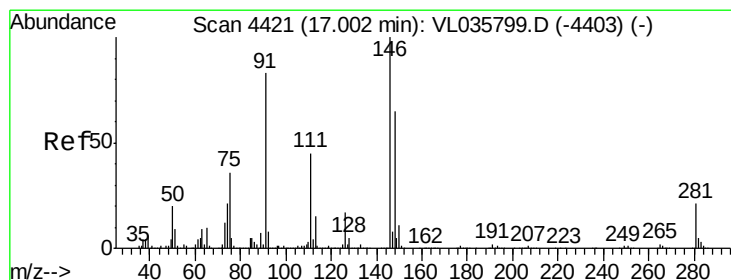
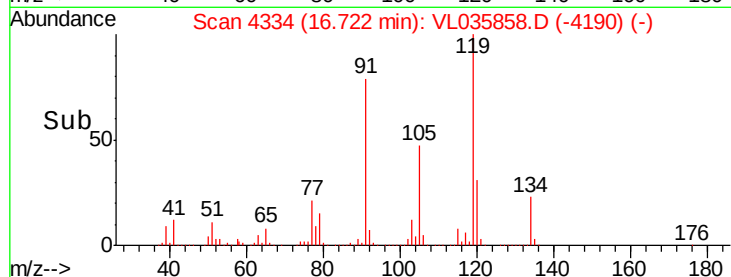
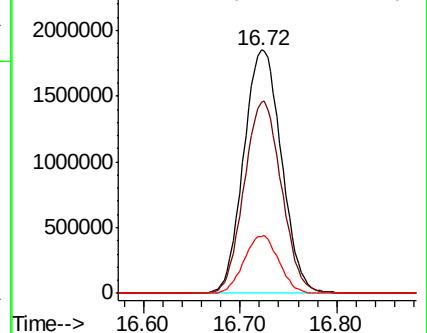
134 22.0 17.8 26.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.327 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

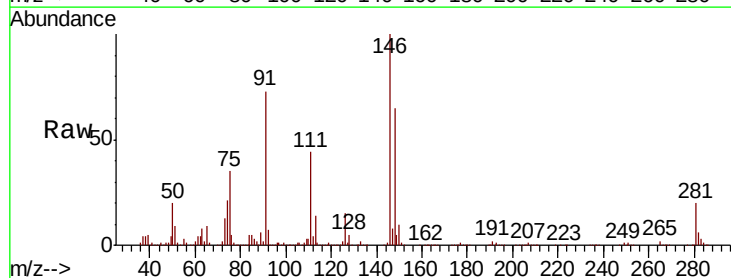
Tgt Ion: 91 Resp: 1632057

Ion Ratio Lower Upper

91 100

126 19.1 16.0 24.0

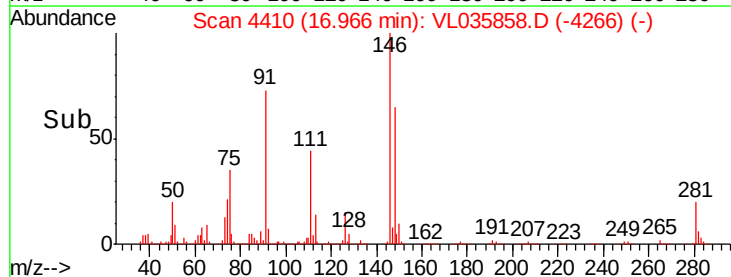
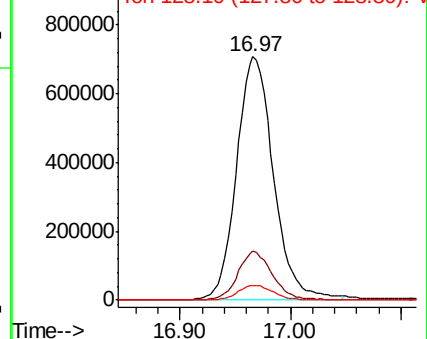
128 6.1 5.0 7.4

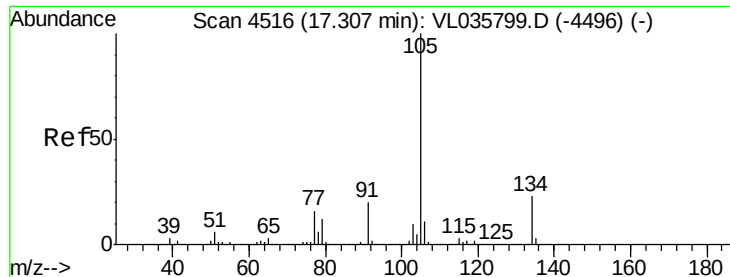


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.485 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

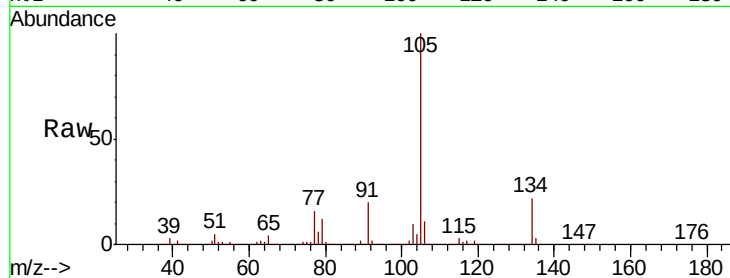
VSTDCCC010

Tot Ion:105 Resp: 6797386

Ion Ratio Lower Upper

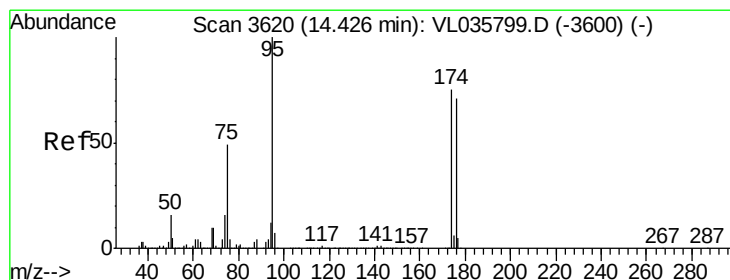
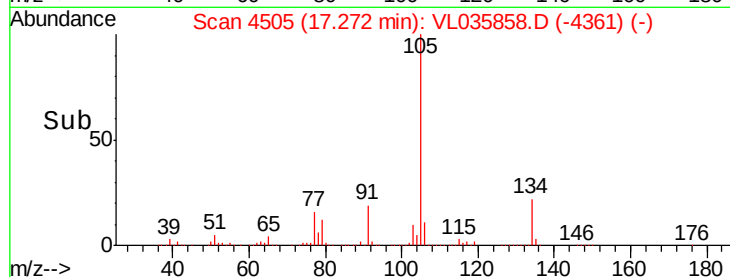
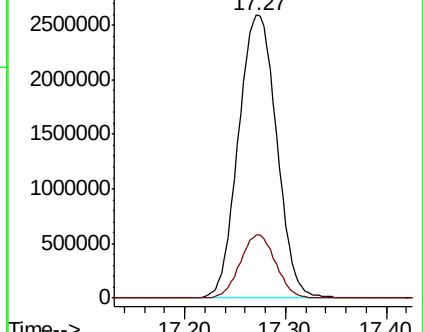
105 100

134 20.8 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.027 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

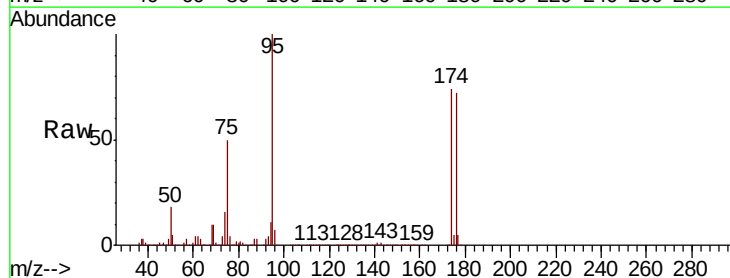
Tgt Ion: 95 Resp: 2679697

Ion Ratio Lower Upper

95 100

174 73.6 59.8 89.6

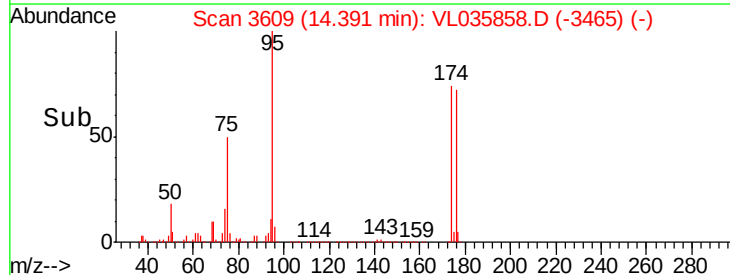
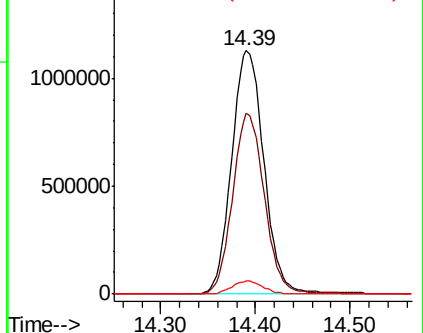
175 5.3 4.3 6.5

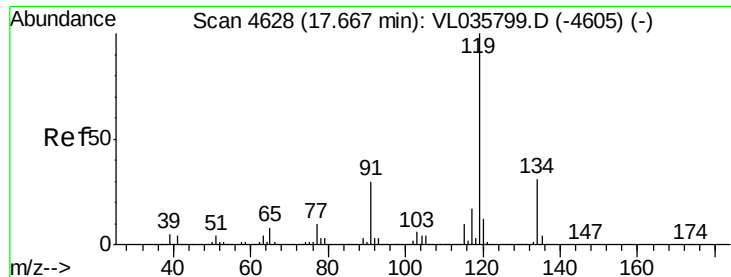


Abundance Ion 95.10 (94.80 to 95.80): VL0

1500000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

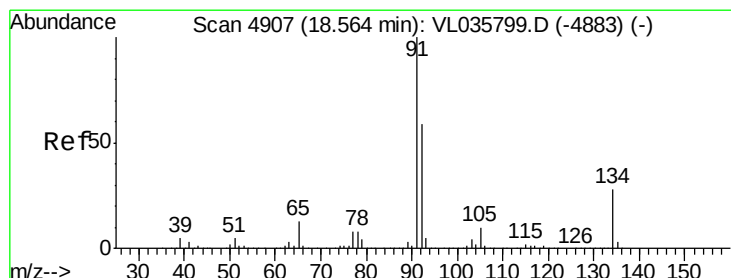
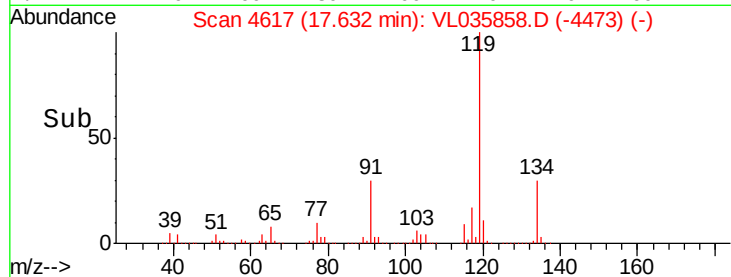
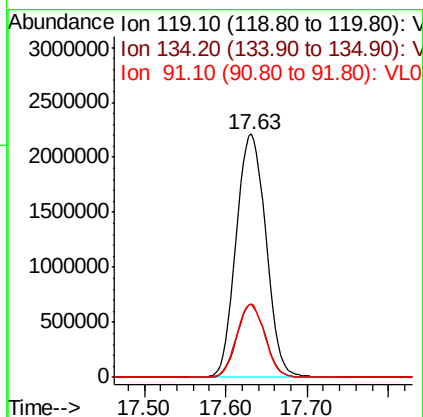
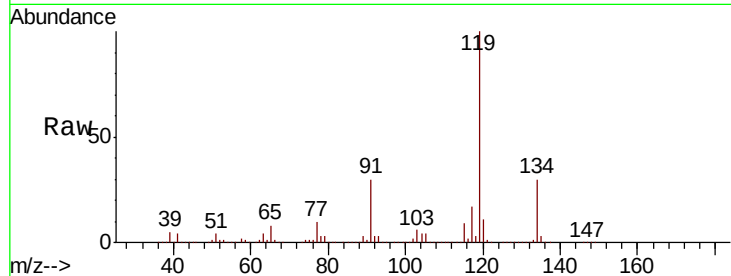




#69
 p-Isopropyltoluene
 Concen: 7.475 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

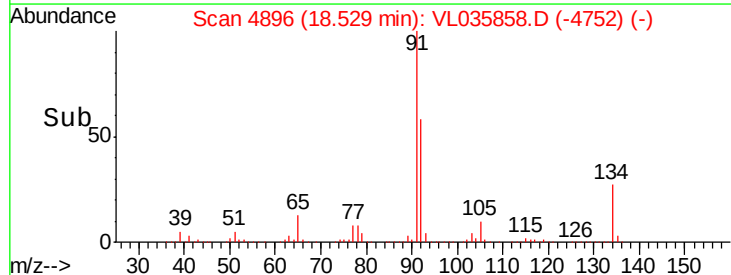
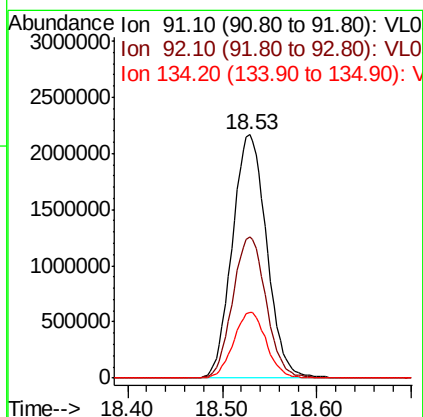
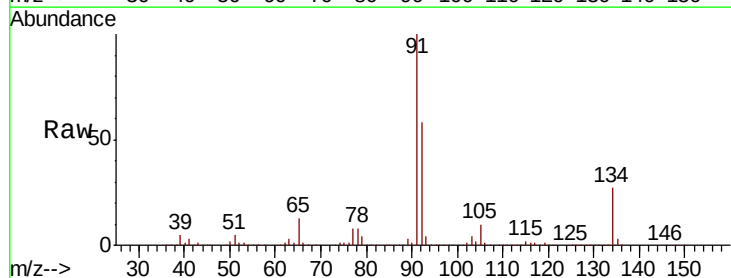
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

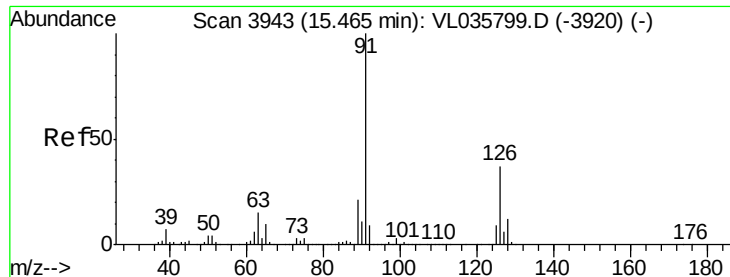
Tot Ion:119 Resp: 5601741
 Ion Ratio Lower Upper
 119 100
 134 28.4 23.0 34.6
 91 28.7 22.8 34.2



#70
 n-Butylbenzene
 Concen: 7.579 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion: 91 Resp: 5469327
 Ion Ratio Lower Upper
 91 100
 92 56.7 45.7 68.5
 134 25.9 21.0 31.4





#71

2-Chlorotoluene

Concen: 7.845 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.04 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

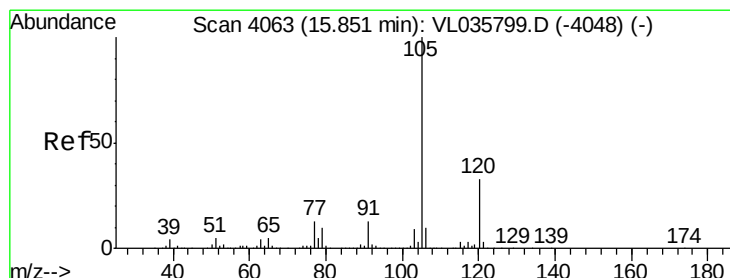
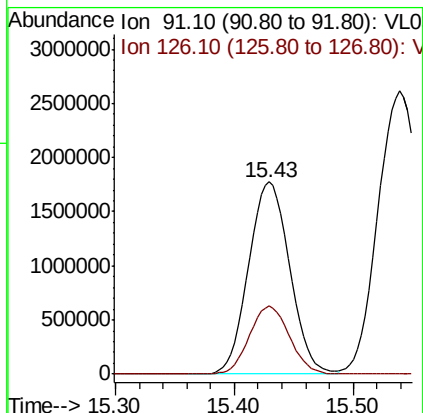
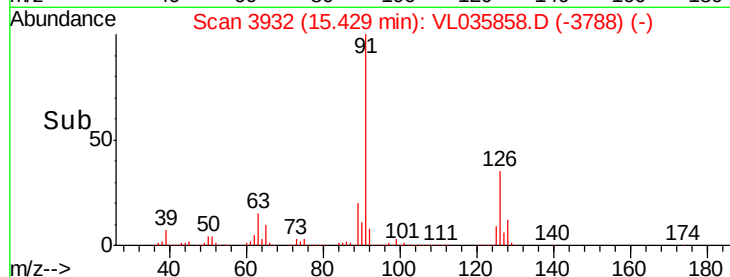
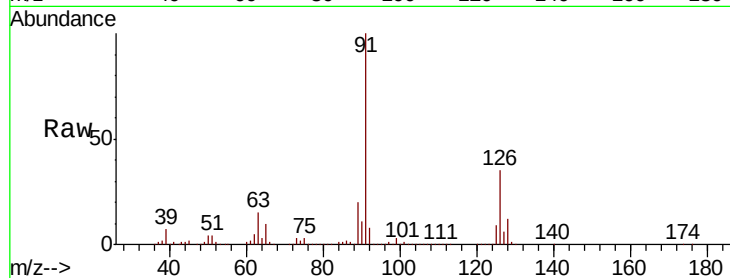
VSTDCCC010

Tot Ion: 91 Resp: 4247928

Ion Ratio Lower Upper

91 100

126 34.7 14.3 57.1



#72

4-Ethyltoluene

Concen: 7.755 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Tgt Ion: 105 Resp: 4429928

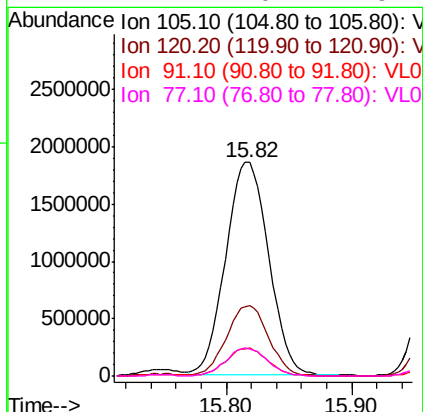
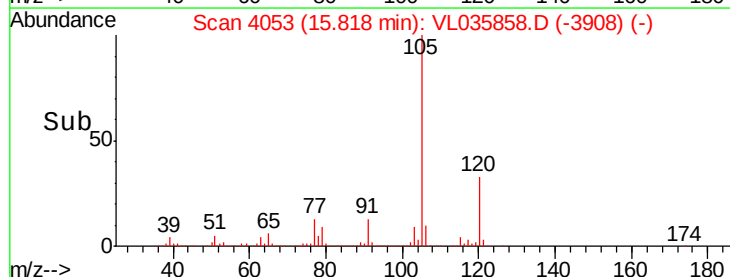
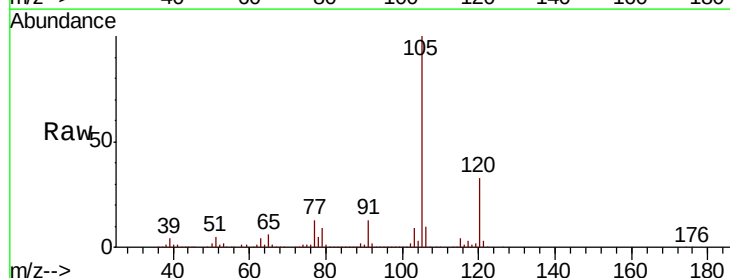
Ion Ratio Lower Upper

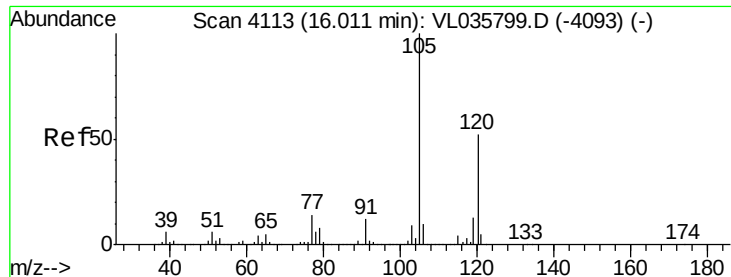
105 100

120 32.5 25.9 38.9

91 13.4 9.9 14.9

77 12.7 10.2 15.2

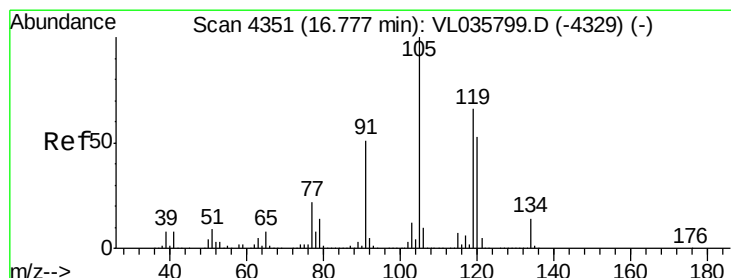
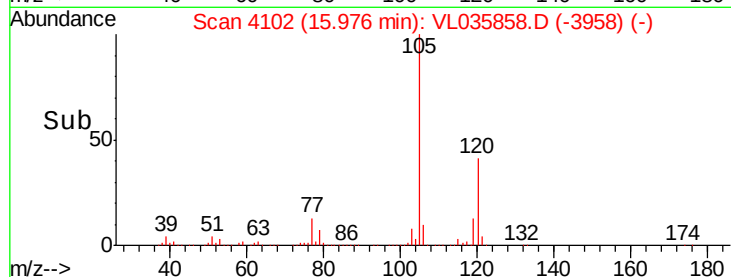
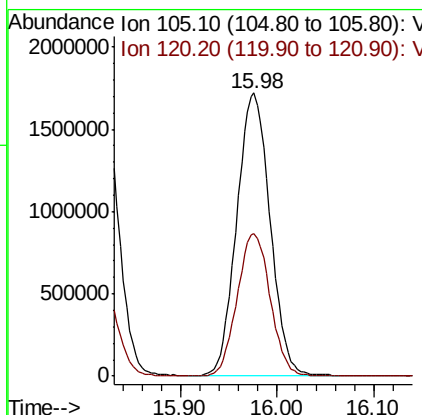
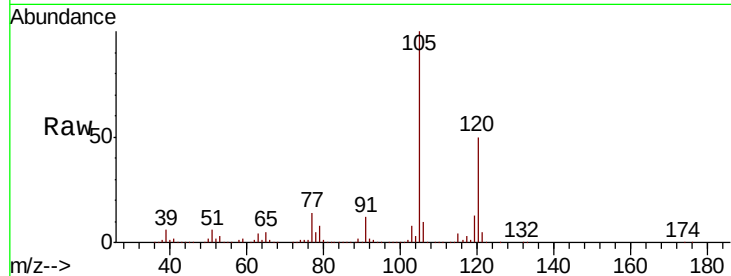




#73
 1,3,5-Trimethylbenzene
 Concen: 7.819 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

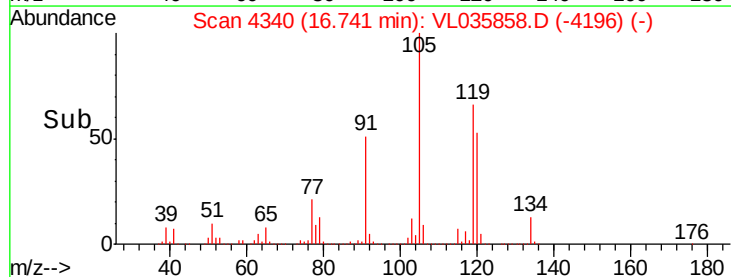
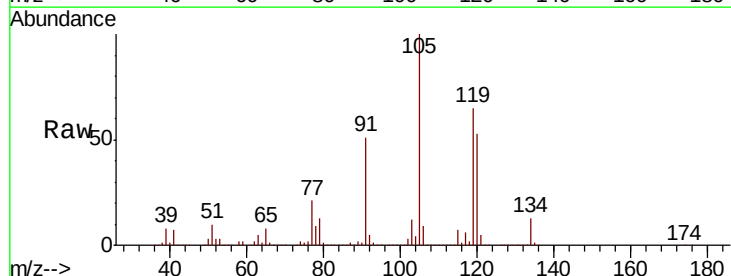
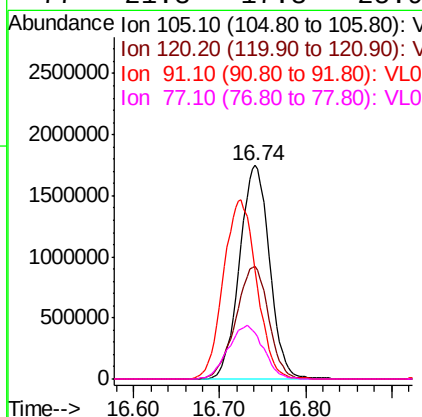
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

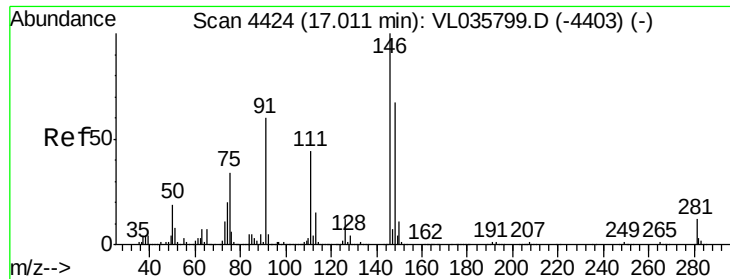
Tot Ion:105 Resp: 4087387
 Ion Ratio Lower Upper
 105 100
 120 50.4 41.4 62.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.572 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion:105 Resp: 4241397
 Ion Ratio Lower Upper
 105 100
 120 53.0 42.0 63.0
 91 50.6 41.0 61.6
 77 21.3 17.3 25.9

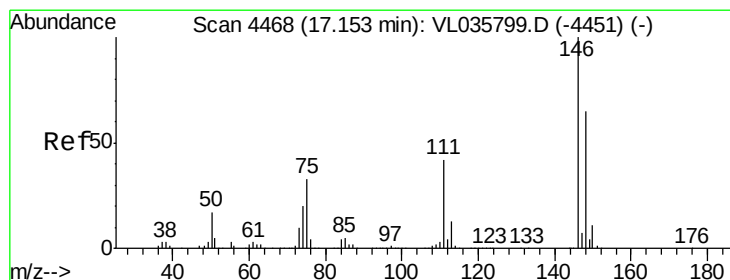
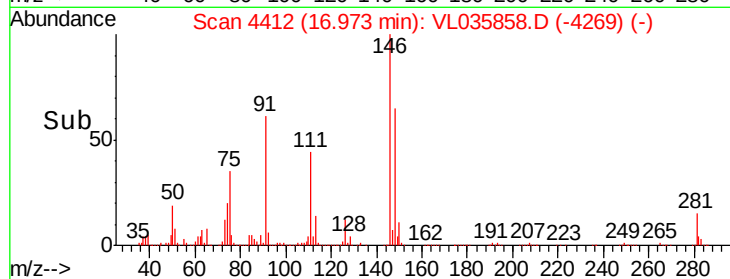
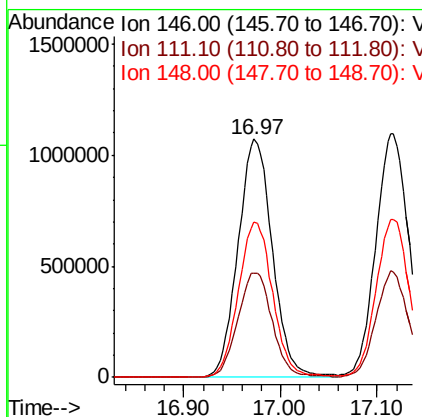
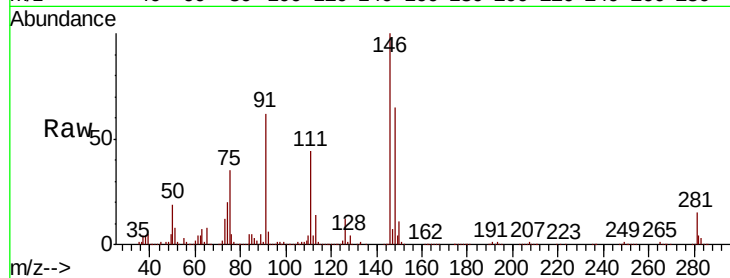




#75
 1,3-Dichlorobenzene
 Concen: 7.435 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

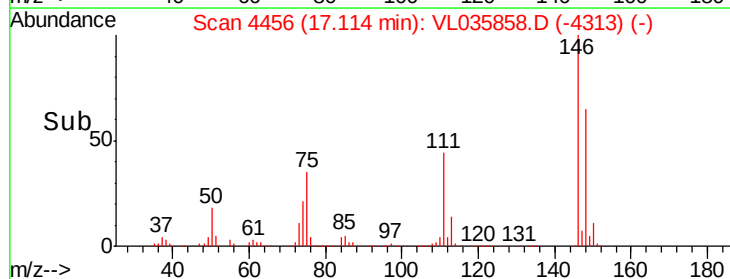
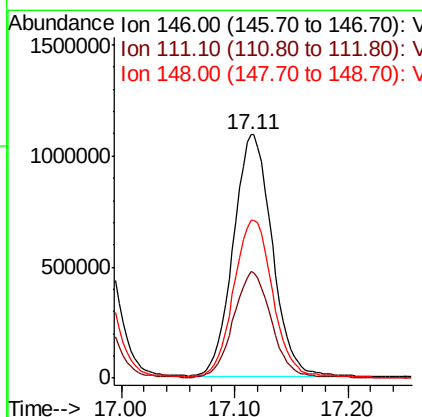
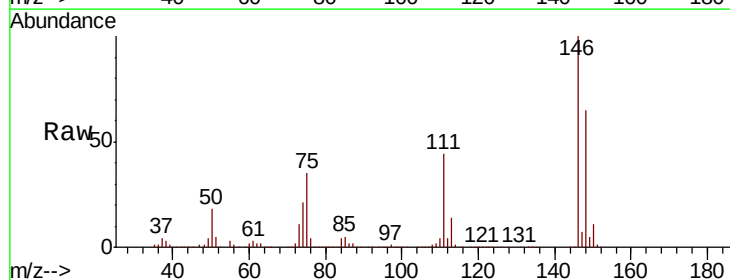
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

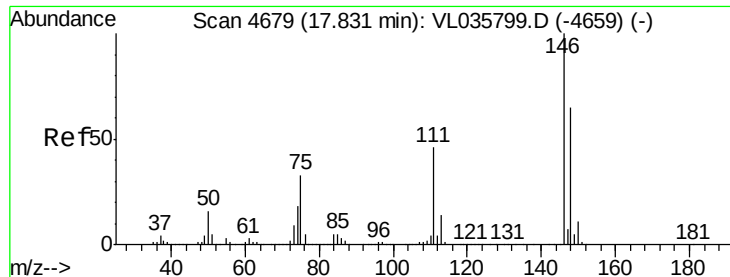
Tot Ion:146 Resp: 2651980
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.8 65.4
 148 65.1 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.517 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion:146 Resp: 2586507
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.3 63.7
 148 67.0 33.0 99.0

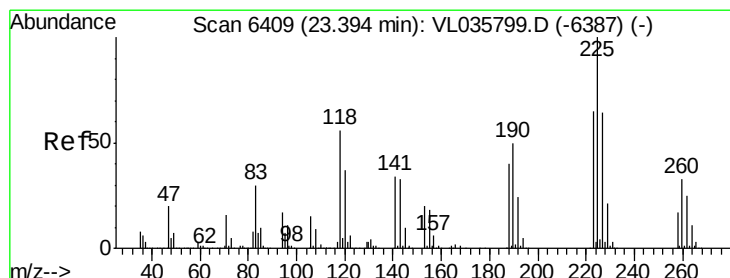
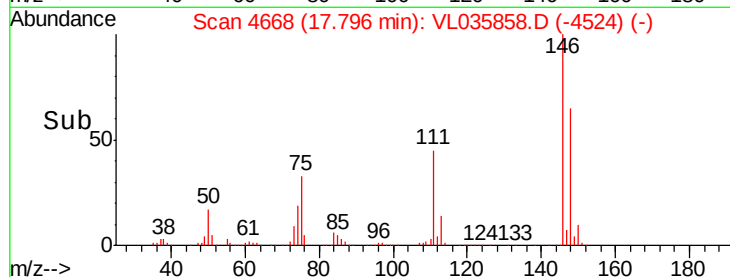
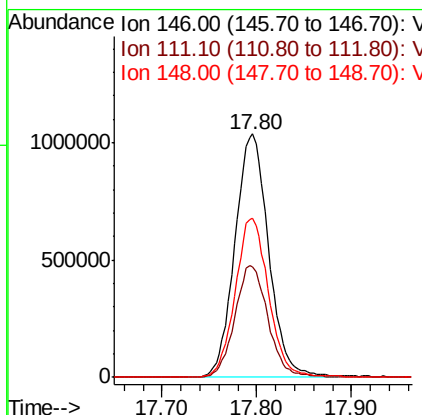
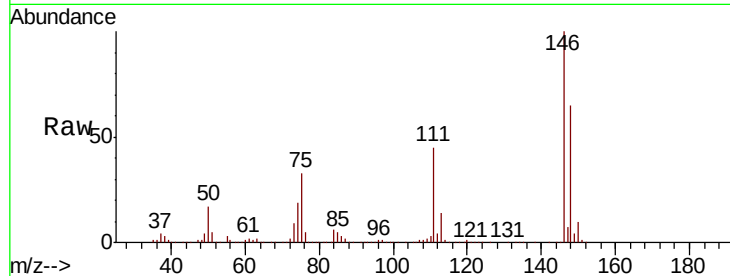




#77
 1,2-Dichlorobenzene
 Concen: 7.368 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

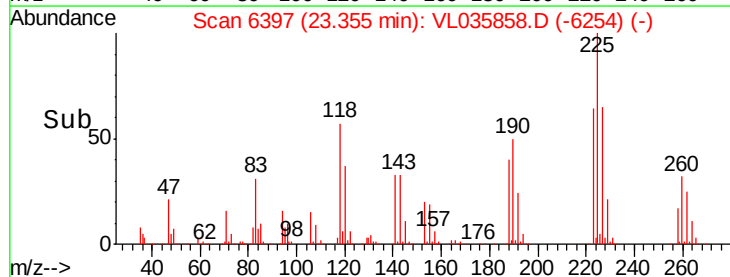
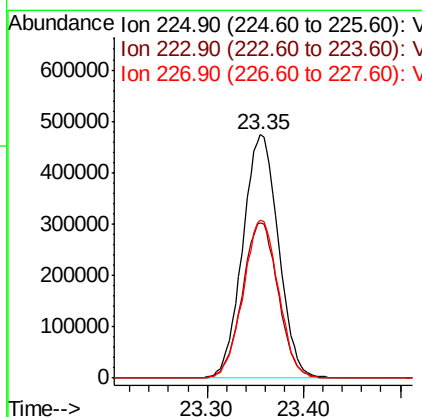
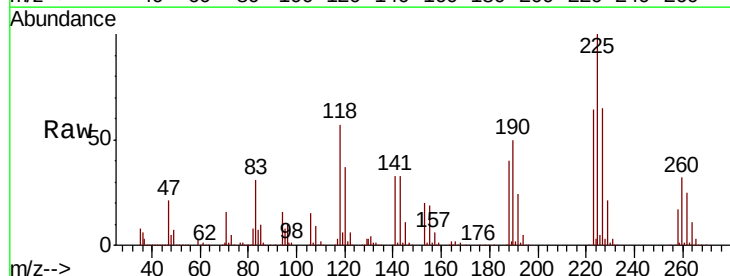
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

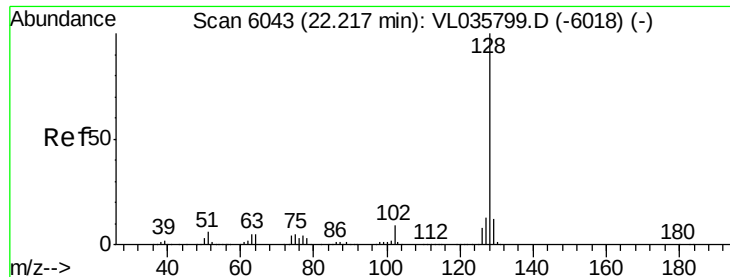
Tot Ion:146 Resp: 2561702
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.4 67.0
 148 64.8 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.505 ppbv
 RT: 23.35 min Scan# 6397
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Tgt Ion:225 Resp: 1217453
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.0 76.6
 227 64.4 51.2 76.8





#79

Naphthalene

Concen: 7.559 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. -0.05 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Instrument :

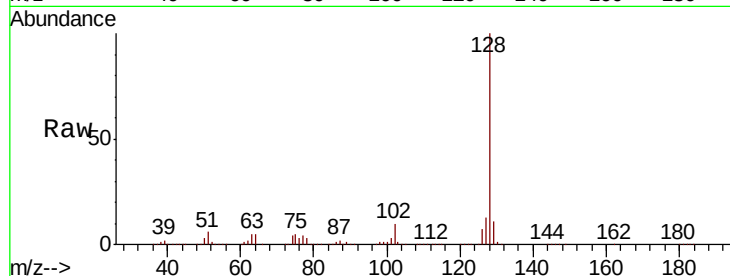
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 2951805

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.5	9.2	13.8

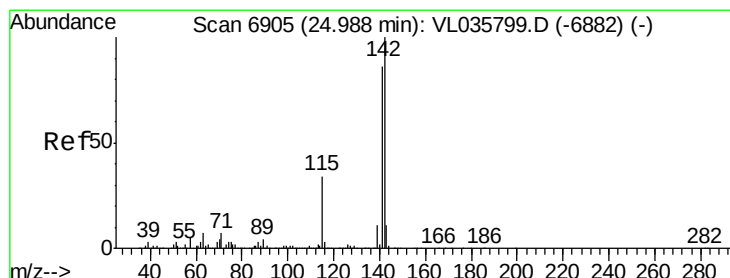
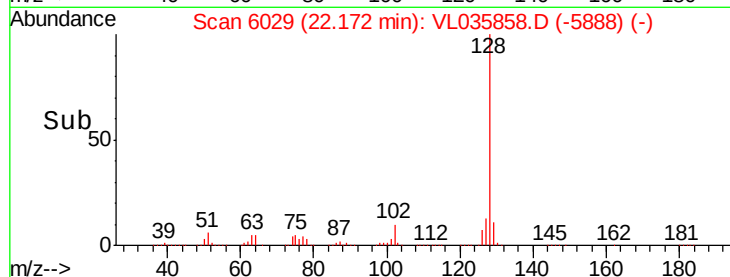
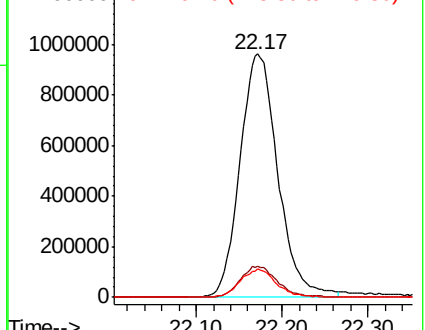


Abundance

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: 7.197 ppbv

RT: 24.96 min Scan# 6896

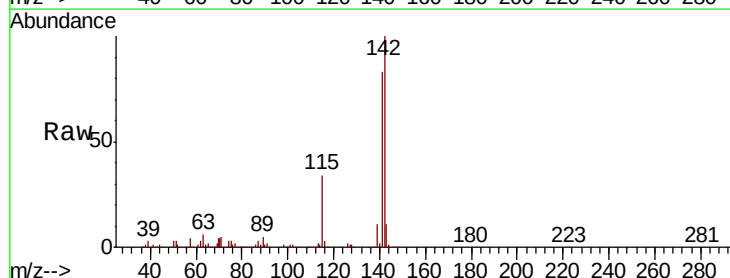
Delta R.T. -0.03 min

Lab File: VL035858.D

Acq: 5 Nov 2020 11:42

Tgt Ion:142 Resp: 458012

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.8	101.8
115	33.2	28.1	42.1

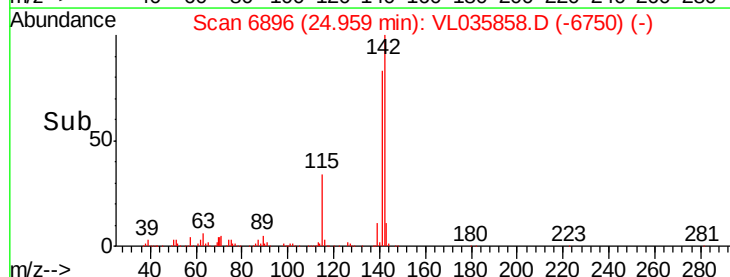
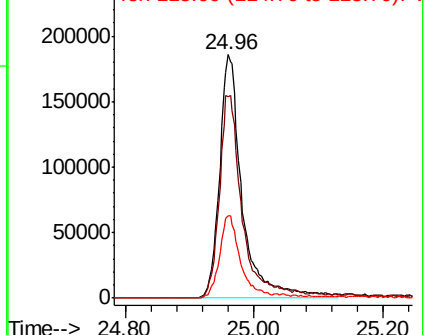


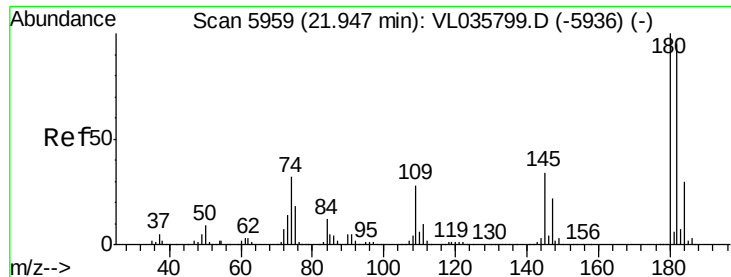
Abundance

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

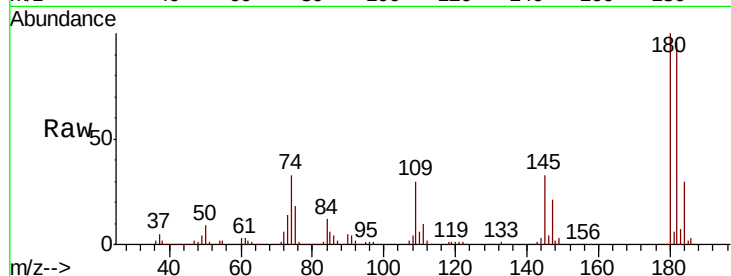




#81
 1,2,4-Trichlorobenzene
 Concen: 7.281 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. -0.04 min
 Lab File: VL035858.D
 Acq: 5 Nov 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1588527
 Ion Ratio Lower Upper
 180 100
 182 98.4 77.2 115.8
 184 30.9 24.7 37.1



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

