

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035797.D
 Acq On : 19 Oct 2020 17:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 20 08:11:49 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	5.65	49	1154604	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4277513	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	5287791	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3212281	8.11	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1796481	9.483	ppbv 99
3) Chlorodifluoromethane	2.97	51	1138645	9.167	ppbv 99
4) Chloromethane	3.12	50	620791	9.303	ppbv 100
5) Vinyl Chloride	3.24	62	721738	9.144	ppbv 100
6) Bromomethane	3.45	94	604040	9.054	ppbv 97
7) Chloroethane	3.54	64	264030	9.121	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	2053489	8.937	ppbv 98
9) Propene	2.99	41	435880	9.665	ppbv 99
10) Heptane	8.11	43	1310529	10.423	ppbv 99
11) Trichlorofluoromethane	3.93	101	2434143	9.005	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1807868	8.972	ppbv 99
13) Ethanol	3.58	45	88605	7.967	ppbv 100
14) Bromoethene	3.72	108	787904	9.283	ppbv 99
15) Acetone	3.83	43	1037126	8.348	ppbv 100
16) 1,3-Butadiene	3.31	39	461569	10.155	ppbv 97
17) tert-Butyl alcohol	4.27	59	1332141	9.844	ppbv 100
18) 1,1-Dichloroethene	4.27	96	833241	9.444	ppbv 96
19) Isopropyl Alcohol	3.95	45	631147	9.339	ppbv 99
20) Methylene Chloride	4.32	84	674374	7.390	ppbv 97
21) Allyl Chloride	4.39	41	604663	10.041	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	869278	9.326	ppbv 99
23) Vinyl Acetate	5.06	43	1542321	10.135	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1512110	9.123	ppbv 99
25) Ethyl Acetate	5.66	43	2121691	9.491	ppbv 99
26) Hexane	5.67	57	1151188	9.397	ppbv 97
27) Carbon Disulfide	4.53	76	1869793	10.240	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1923191	9.904	ppbv 99
29) Chloroform	5.74	83	2281221	9.170	ppbv 100
30) Cyclohexane	7.11	84	1231522	10.189	ppbv 97
31) cis-1,2-Dichloroethene	5.53	61	1206100	10.199	ppbv 96
32) 1,1,1-Trichloroethane	6.50	97	2209745	10.076	ppbv 99
34) 2-Butanone	5.23	43	1433875	10.135	ppbv 99
35) Carbon Tetrachloride	7.01	117	2276511	10.208	ppbv 98
36) Benzene	6.88	78	2836901	10.178	ppbv 100
37) 1,2-Dichloroethane	6.29	62	1421450	9.785	ppbv 99
38) Trichloroethene	7.82	130	1398657	10.059	ppbv 99
39) 1,2-Dichloropropane	7.60	63	1010440	10.002	ppbv 99
40) 1,4-Dioxane	7.82	88	467416	10.117	ppbv 92
41) Tetrahydrofuran	6.03	42	801059	11.239	ppbv 97
42) Bromodichloromethane	7.78	83	2387044	10.201	ppbv 100
43) Methyl Methacrylate	8.00	69	1212966	10.942	ppbv 97

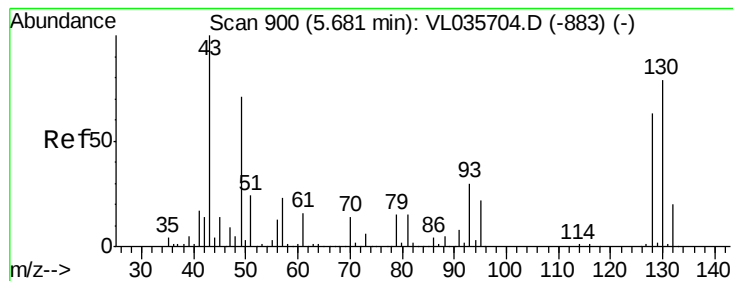
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3973196	9.934	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1357939	12.133	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1609290	11.665	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1375705	9.507	ppbv	99
48) Dibromochloromethane	10.29	129	2294758	10.420	ppbv	100
49) Bromoform	13.04	173	2018760	10.803	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2178626	10.543	ppbv	98
51) 2-Hexanone	10.12	43	1827893	10.979	ppbv	98
52) Tetrachloroethene	11.21	164	1295004	9.662	ppbv	97
53) Toluene	9.80	91	3559454	10.830	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2155933	9.950	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1782945	8.041	ppbv	96
57) Chlorobenzene	12.14	112	2978041	7.456	ppbv	99
58) Ethyl Benzene	12.71	91	4674529	8.808	ppbv	98
59) m/p-Xylene	12.99	91	4013462	8.659	ppbv #	33
60) o-Xylene	13.69	91	3937585	8.398	ppbv	99
61) Styrene	13.52	104	3018036	9.310	ppbv	99
62) Isopropylbenzene	14.66	105	5876365	8.081	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2870111	7.465	ppbv	99
64) n-propylbenzene	15.56	120	1777811	8.353	ppbv	94
65) tert-Butylbenzene	16.74	119	5398827	8.165	ppbv	99
66) Benzyl Chloride	16.99	91	2014945	10.059	ppbv	100
67) sec-Butylbenzene	17.29	105	7338126	8.037	ppbv	98
69) p-Isopropyltoluene	17.65	119	6163294	8.297	ppbv	99
70) n-Butylbenzene	18.55	91	6193274	8.097	ppbv	99
71) 2-Chlorotoluene	15.45	91	4518055	8.517	ppbv	98
72) 4-Ethyltoluene	15.84	105	4816854	8.673	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4460413	8.498	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4672728	7.898	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2999941	7.427	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3035298	7.861	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2911981	7.633	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1552626	7.376	ppbv	100
79) Naphthalene	22.20	128	4351144	7.710	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1212766	9.111	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2208088	7.550	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

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ClientSampleId :

VSTDCCC010EC

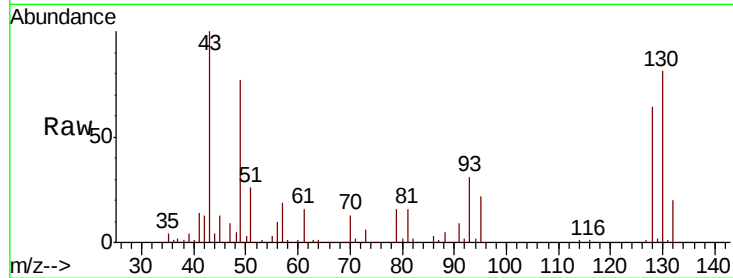
Tot Ion: 49 Resp: 1154604

Ion Ratio Lower Upper

49 100

128 81.2 43.1 129.4

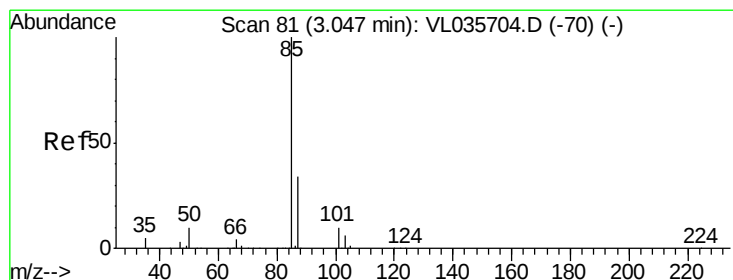
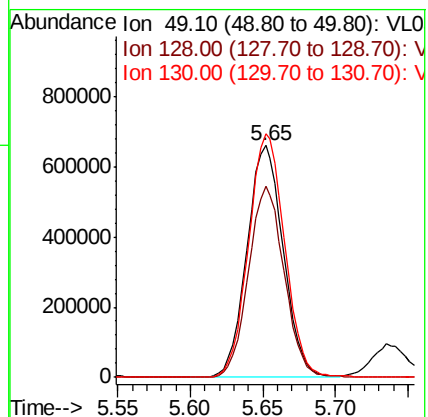
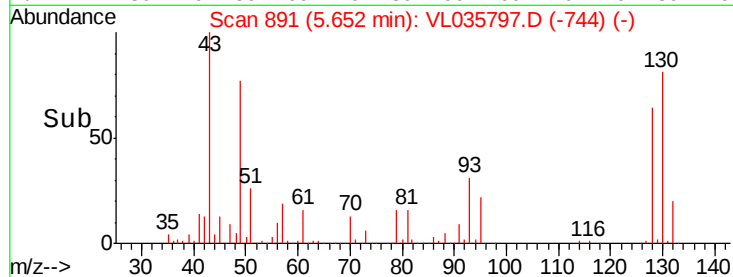
130 104.9 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.483 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL035797.D

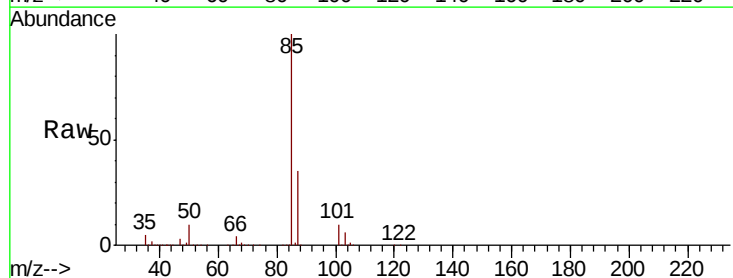
Acq: 19 Oct 2020 17:42

Tgt Ion: 85 Resp: 1796481

Ion Ratio Lower Upper

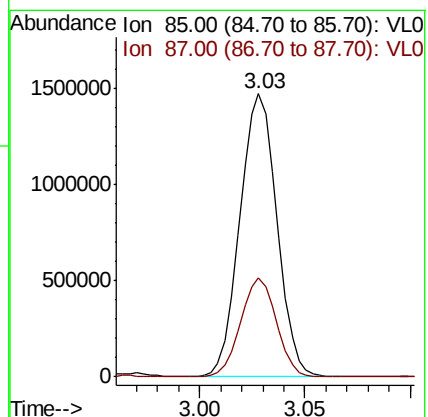
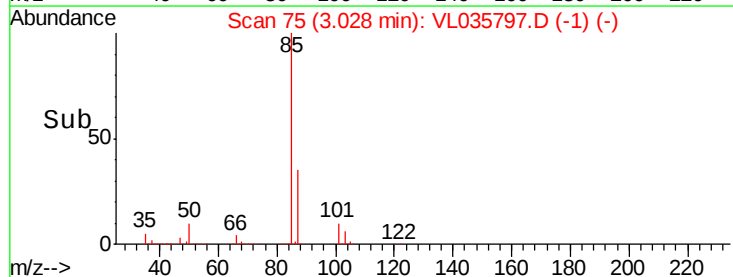
85 100

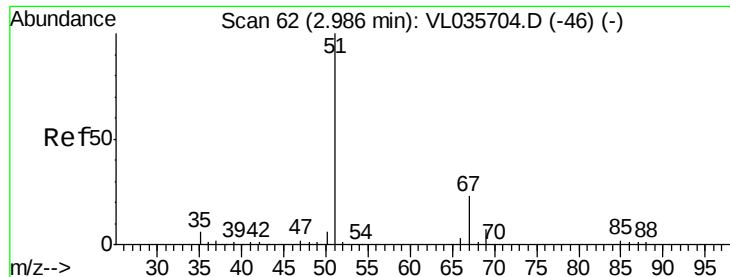
87 34.9 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.167 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

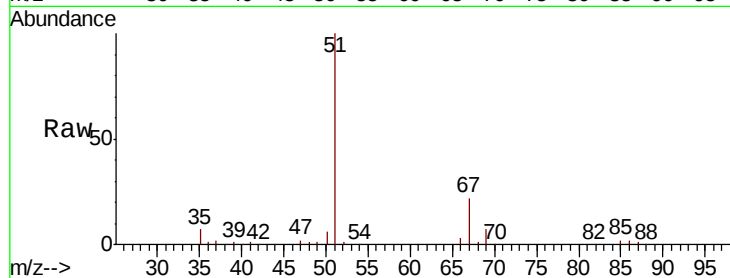
VSTDCCC010EC

Tot Ion: 51 Resp: 1138645

Ion Ratio Lower Upper

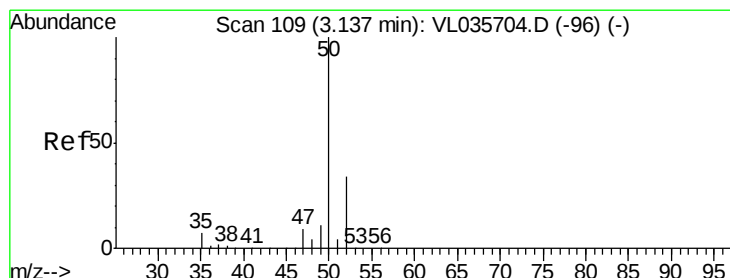
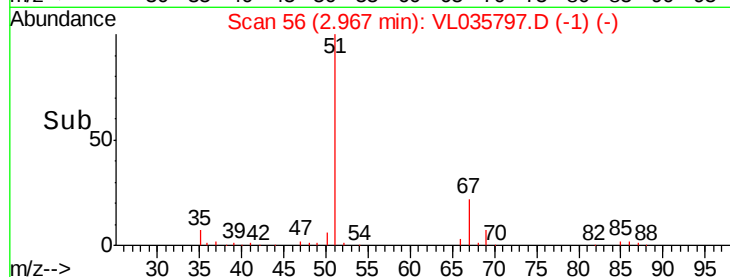
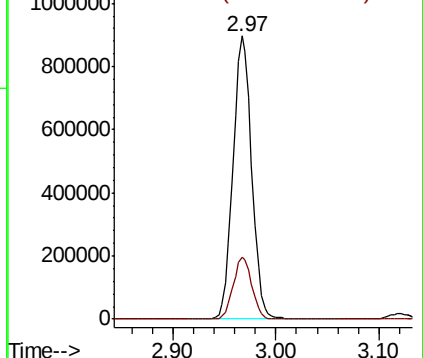
51 100

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: 9.303 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035797.D

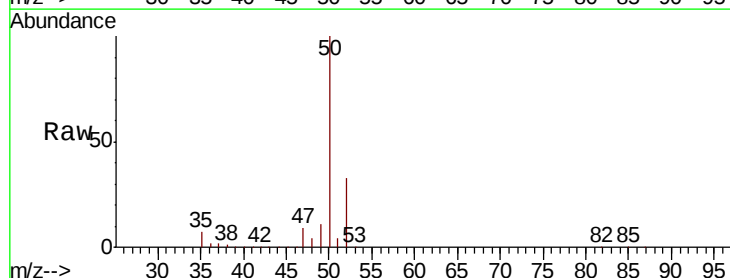
Acq: 19 Oct 2020 17:42

Tgt Ion: 50 Resp: 620791

Ion Ratio Lower Upper

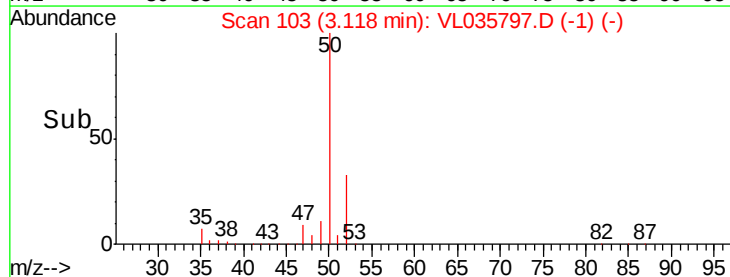
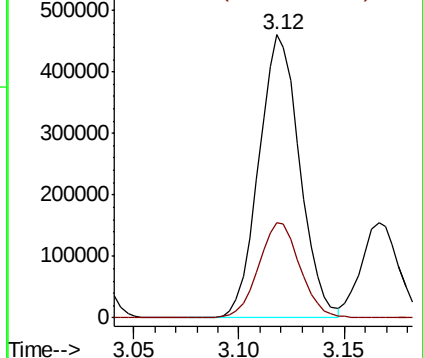
50 100

52 33.4 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: 9.144 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

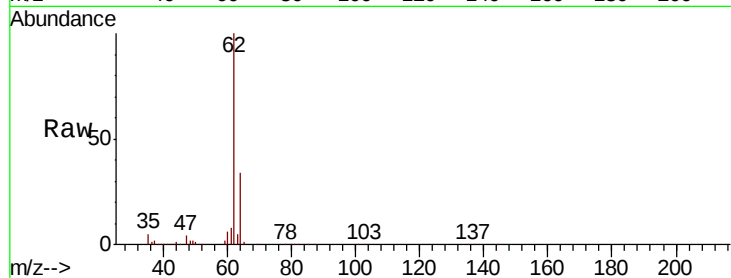
VSTDCCC010EC

Tot Ion: 62 Resp: 721738

Ion Ratio Lower Upper

62 100

64 33.7 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

500000

400000

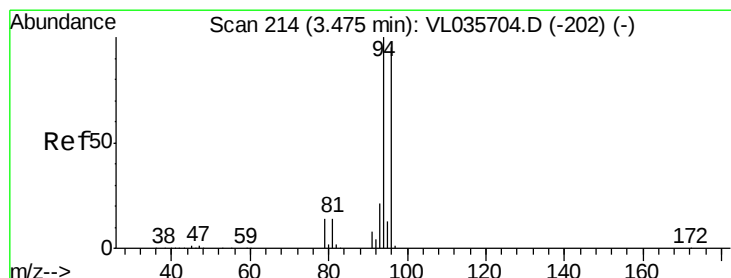
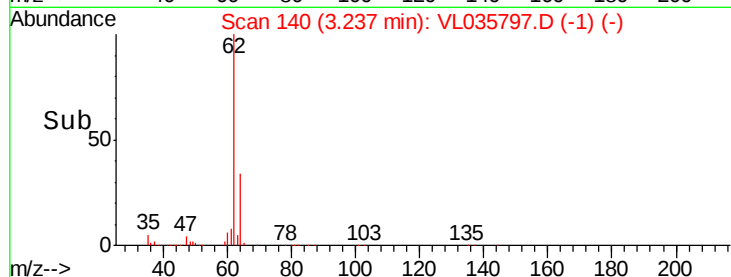
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.054 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL035797.D

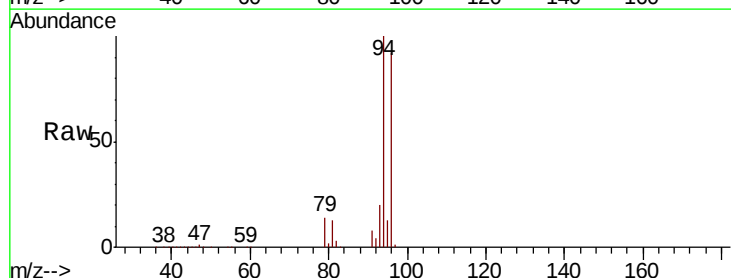
Acq: 19 Oct 2020 17:42

Tgt Ion: 94 Resp: 604040

Ion Ratio Lower Upper

94 100

96 92.4 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

500000

400000

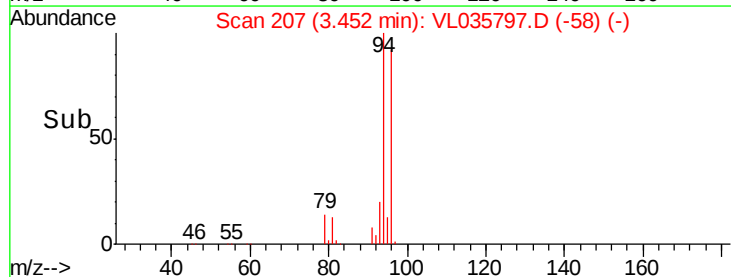
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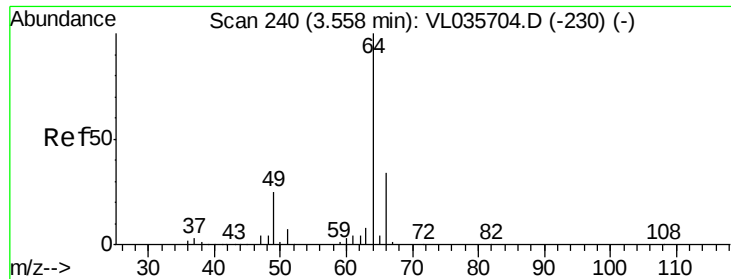
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.121 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

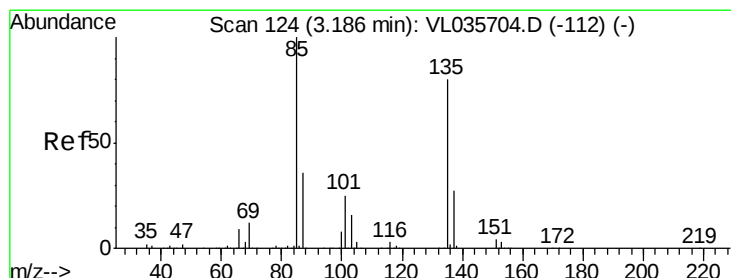
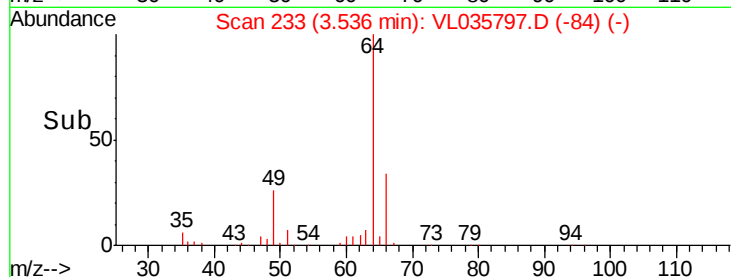
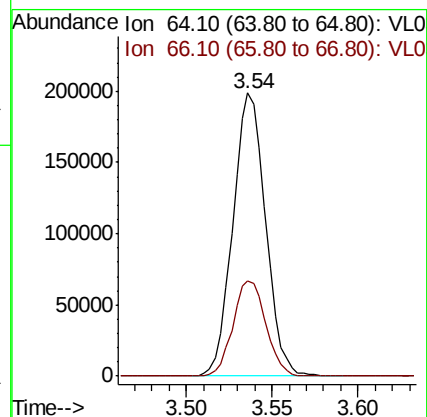
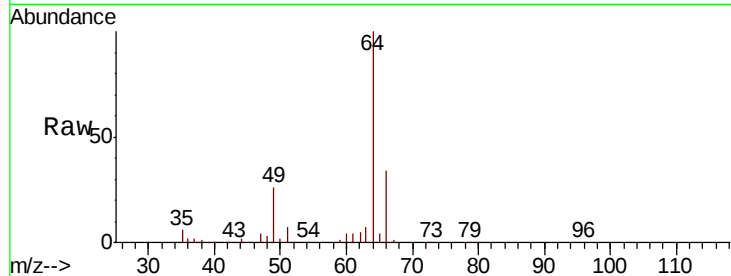
VSTDCCC010EC

Tot Ion: 64 Resp: 264030

Ion Ratio Lower Upper

64 100

66 33.7 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 8.937 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035797.D

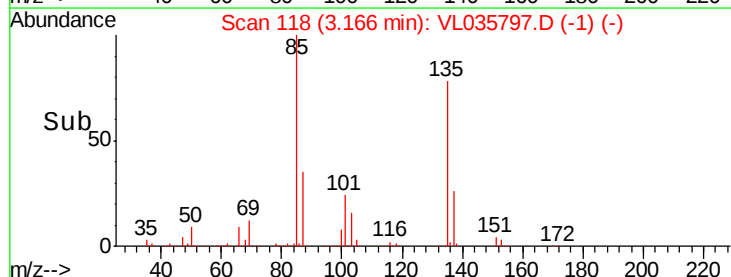
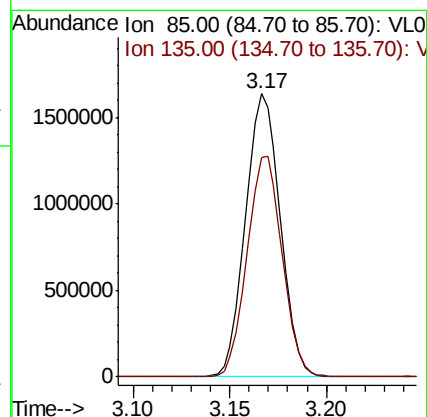
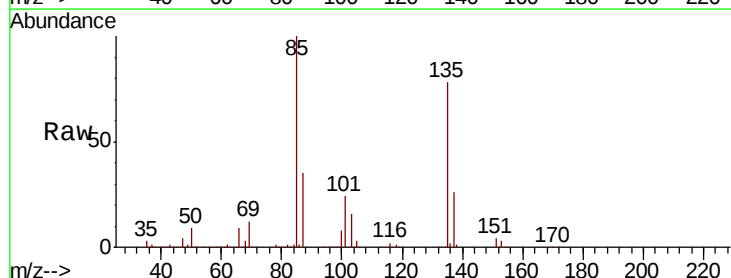
Acq: 19 Oct 2020 17:42

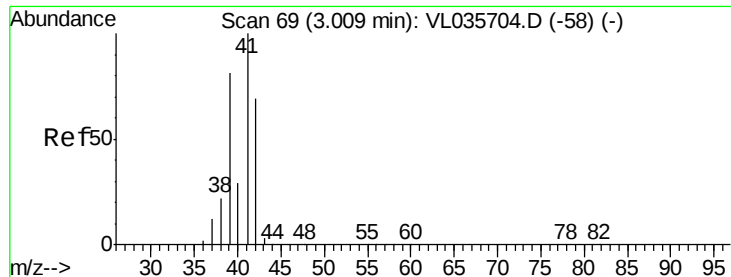
Tgt Ion: 85 Resp: 2053489

Ion Ratio Lower Upper

85 100

135 78.8 64.3 96.5





#9

Propene

Concen: 9.665 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

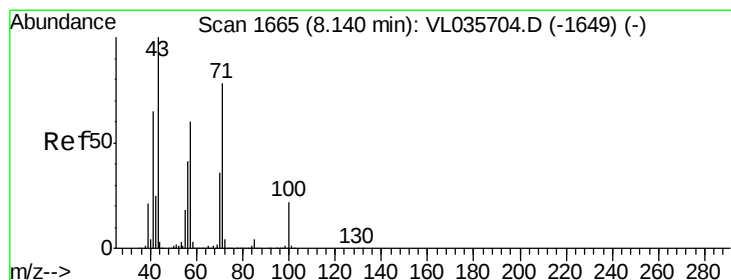
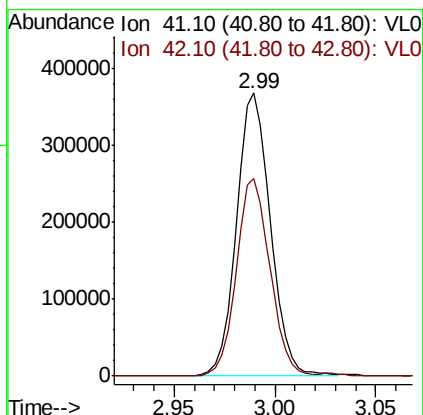
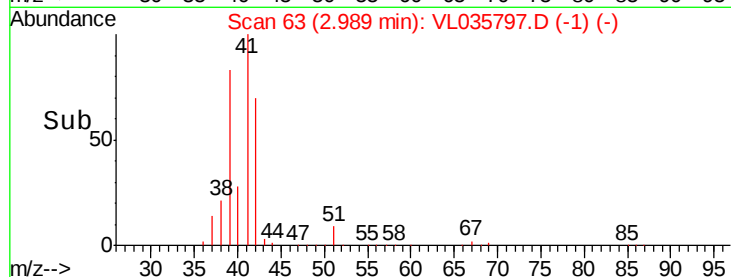
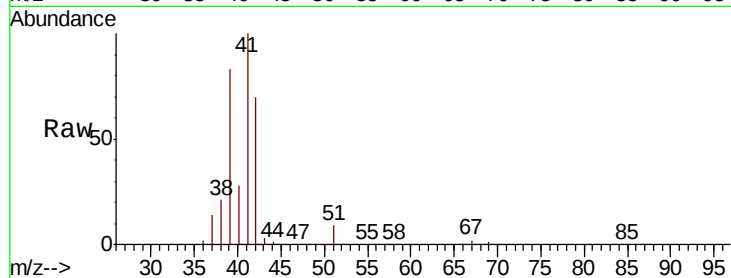
VSTDCCC010EC

Tot Ion: 41 Resp: 435880

Ion Ratio Lower Upper

41 100

42 69.7 56.2 84.4



#10

Heptane

Concen: 10.423 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.03 min

Lab File: VL035797.D

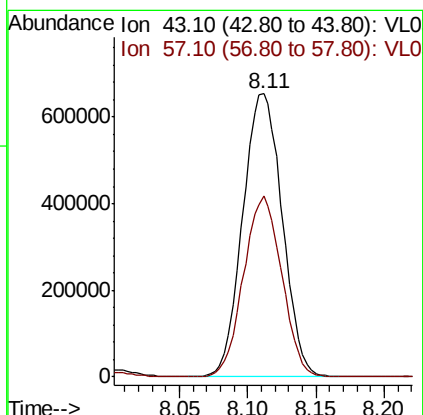
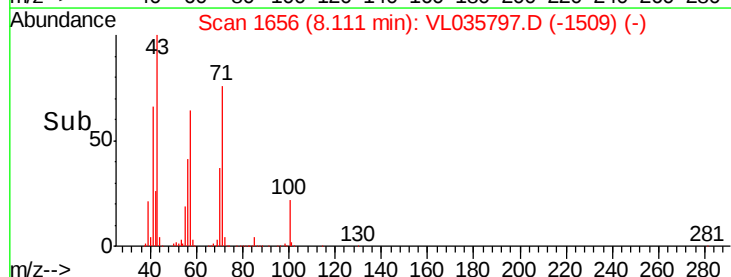
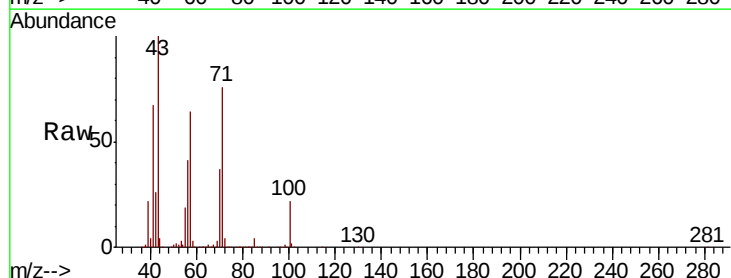
Acq: 19 Oct 2020 17:42

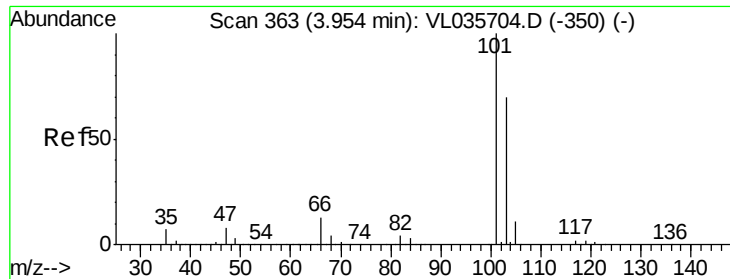
Tgt Ion: 43 Resp: 1310529

Ion Ratio Lower Upper

43 100

57 62.0 50.4 75.6

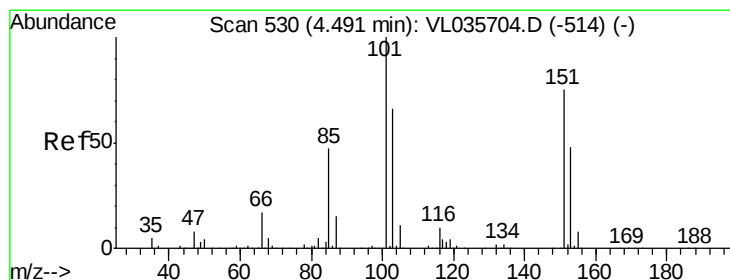
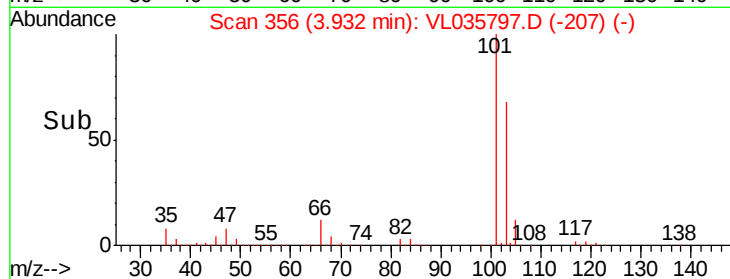
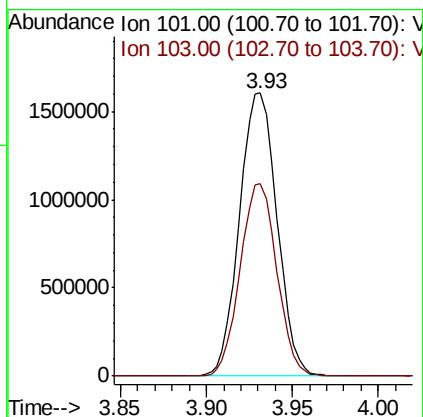
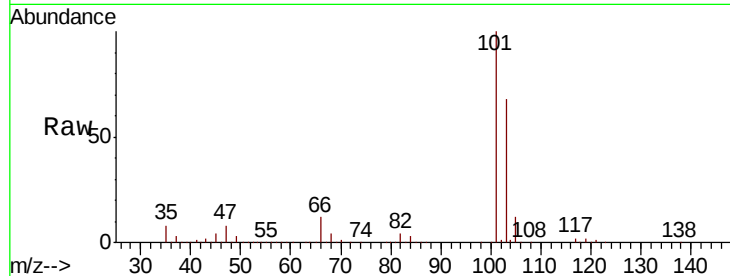




#11
 Trichlorofluoromethane
 Concen: 9.005 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.02 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

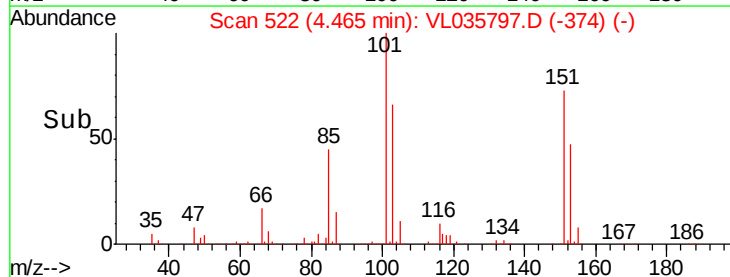
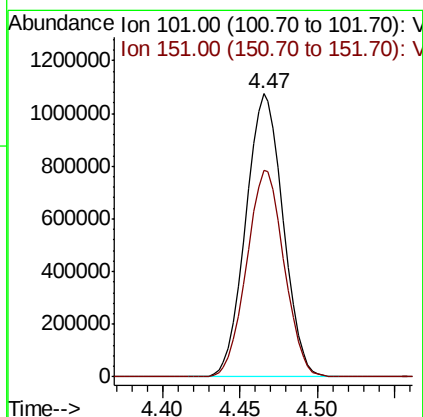
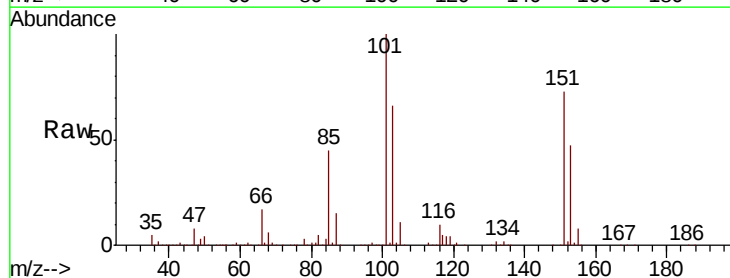
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

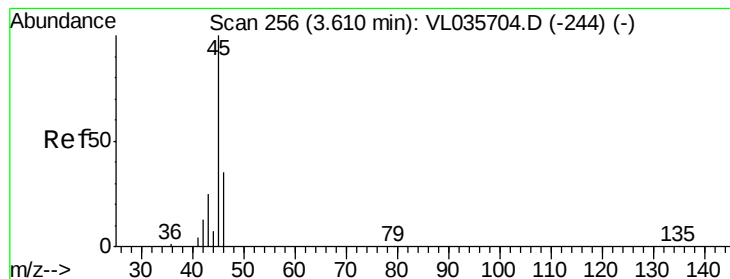
Tot Ion:101 Resp: 2434143
 Ion Ratio Lower Upper
 101 100
 103 68.0 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.972 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion:101 Resp: 1807868
 Ion Ratio Lower Upper
 101 100
 151 73.4 59.1 88.7





#13

Ethanol

Concen: 7.967 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

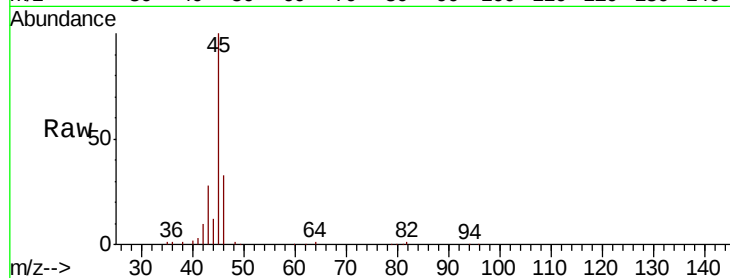
VSTDCCC010EC

Tot Ion: 45 Resp: 88605

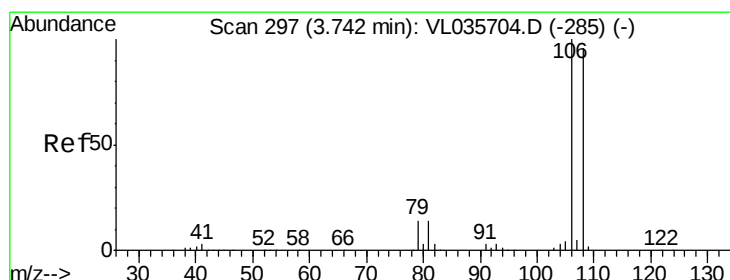
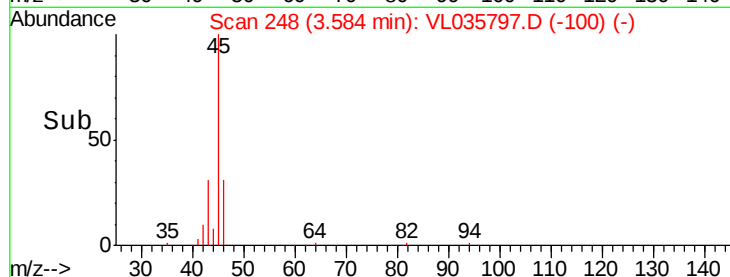
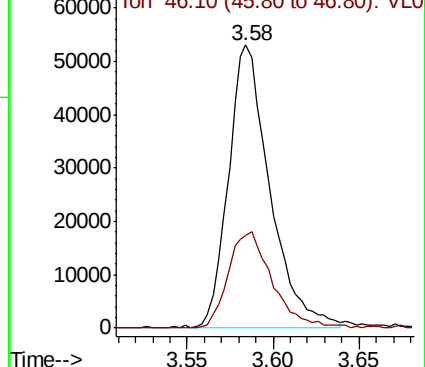
Ion Ratio Lower Upper

45 100

46 36.6 14.7 58.7



Abundance Ion 45.10 (44.80 to 45.80): VL0



#14

Bromoethene

Concen: 9.283 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

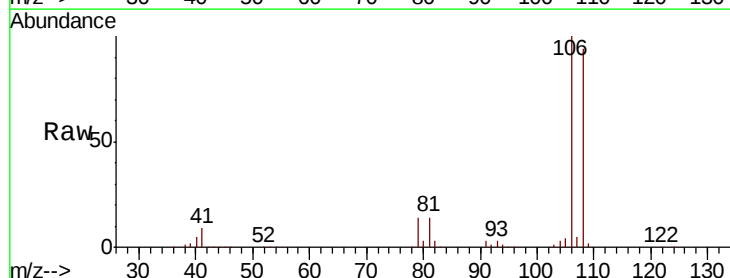
Tgt Ion: 108 Resp: 787904

Ion Ratio Lower Upper

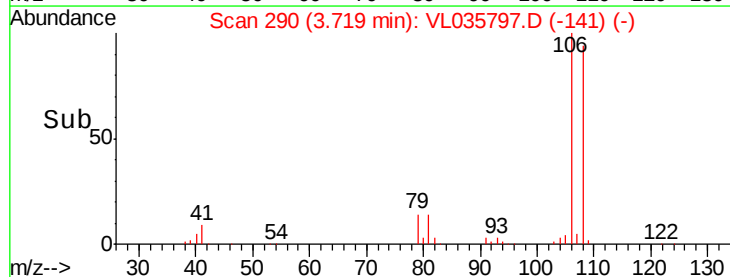
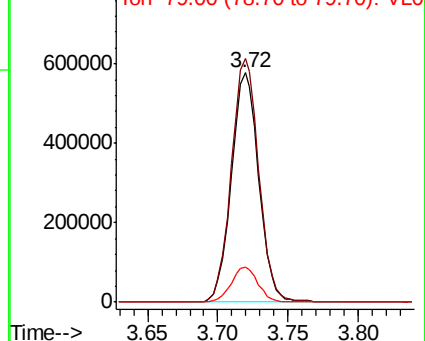
108 100

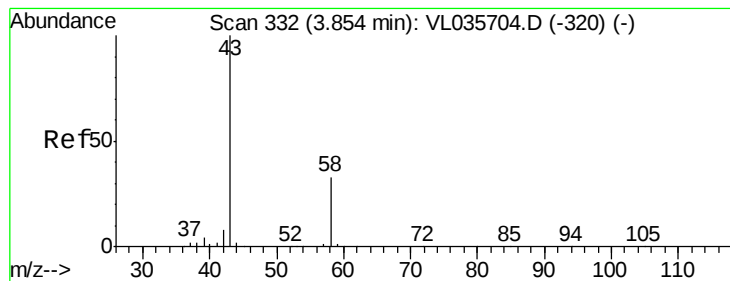
106 106.5 84.6 126.8

79 15.1 11.6 17.4



Abundance Ion 108.00 (107.70 to 108.70): V





#15

Acetone

Concen: 8.348 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

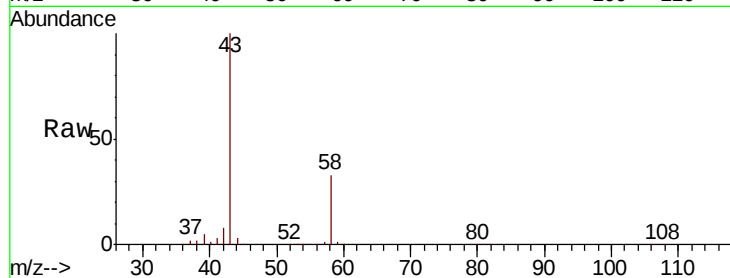
VSTDCCC010EC

Tot Ion: 43 Resp: 1037126

Ion Ratio Lower Upper

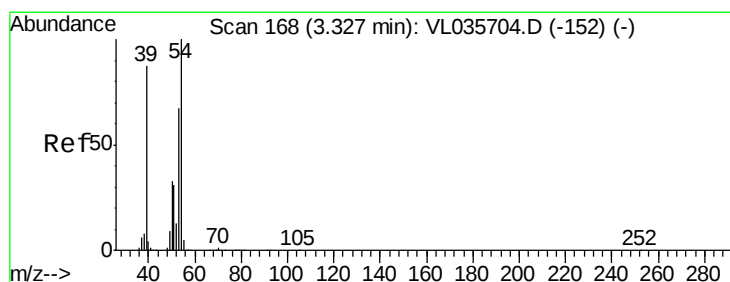
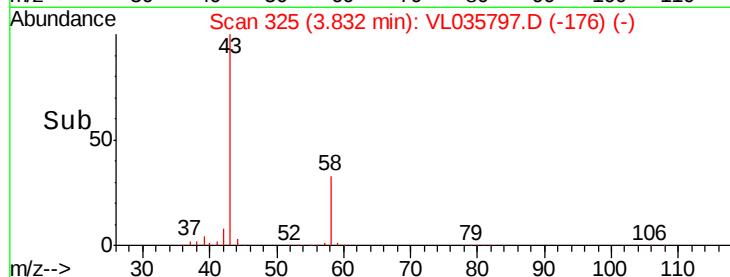
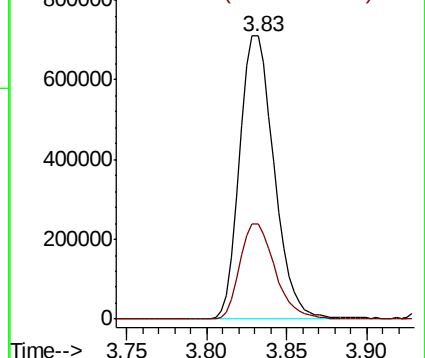
43 100

58 34.3 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.155 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL035797.D

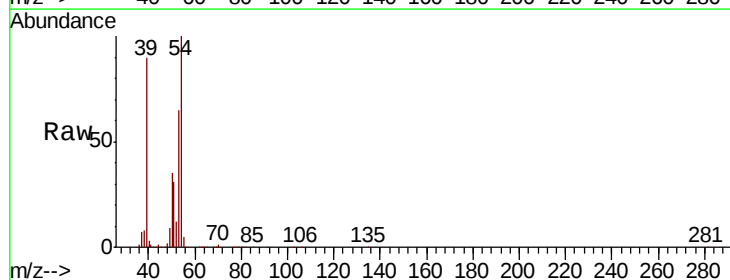
Acq: 19 Oct 2020 17:42

Tgt Ion: 39 Resp: 461569

Ion Ratio Lower Upper

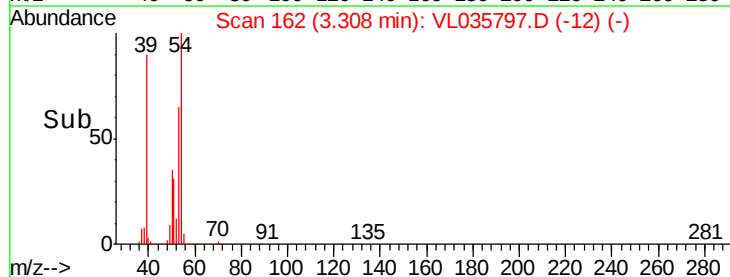
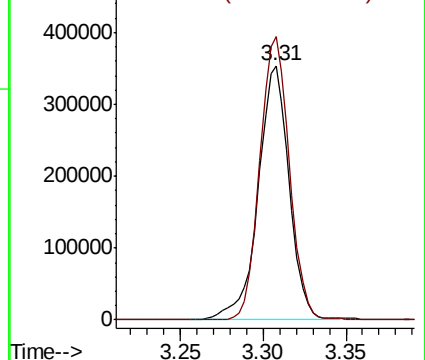
39 100

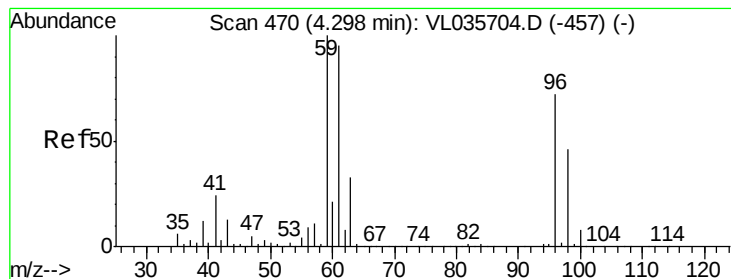
54 106.6 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.844 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

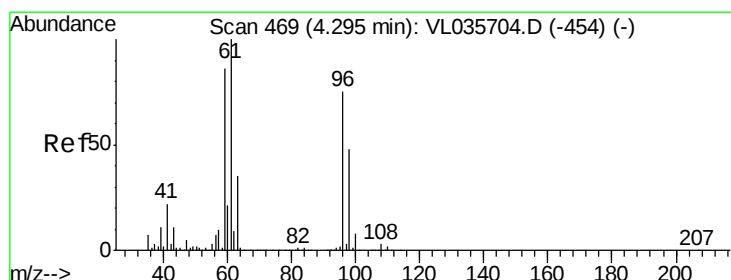
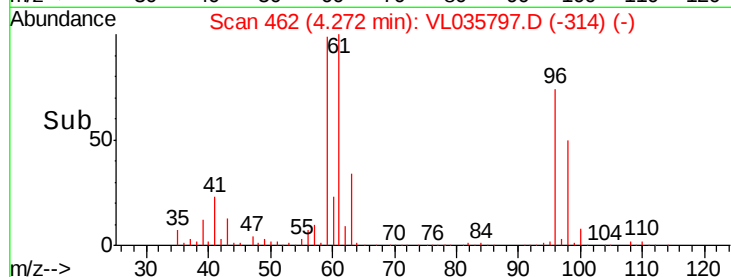
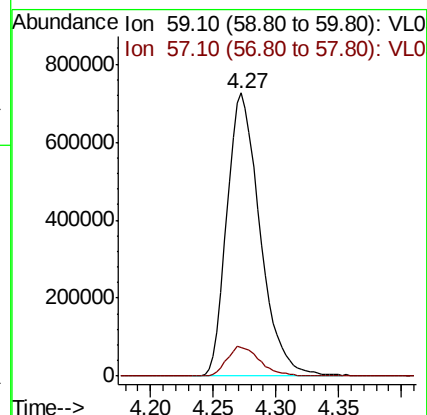
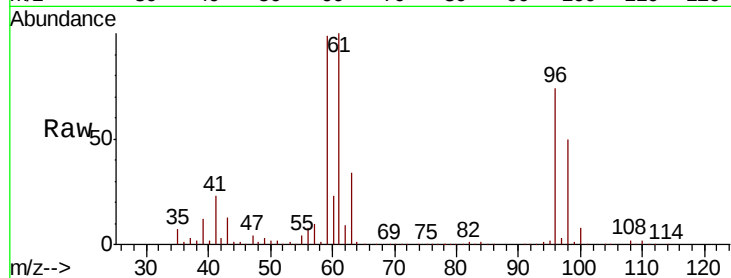
VSTDCCC010EC

Tot Ion: 59 Resp: 1332141

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.444 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

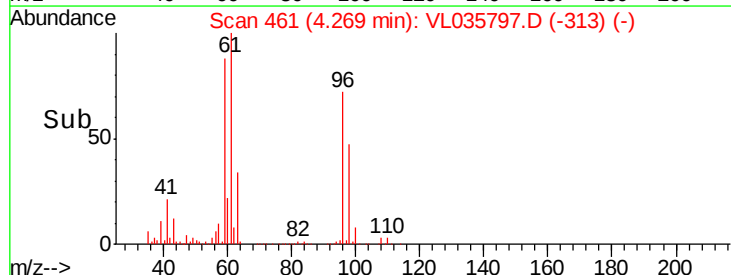
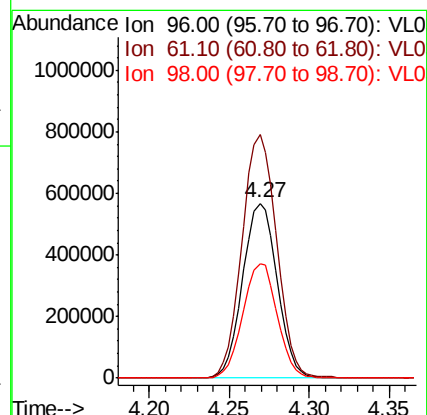
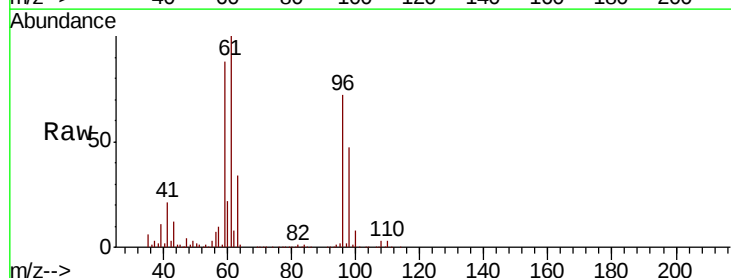
Tgt Ion: 96 Resp: 833241

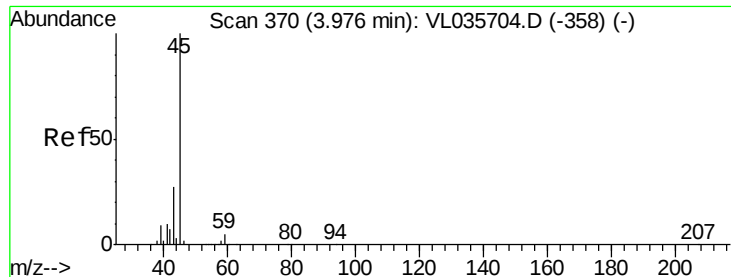
Ion Ratio Lower Upper

96 100

61 139.1 106.7 160.1

98 65.4 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.339 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

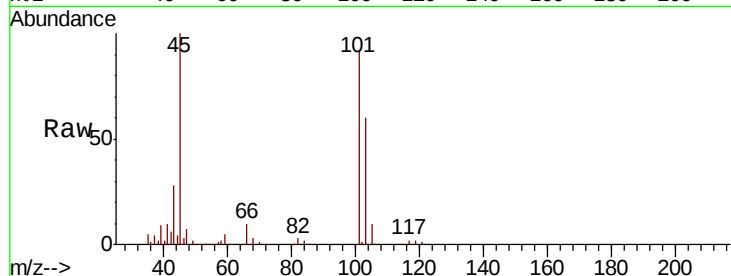
VSTDCCC010EC

Tot Ion: 45 Resp: 631147

Ion Ratio Lower Upper

45 100

58 3.7 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

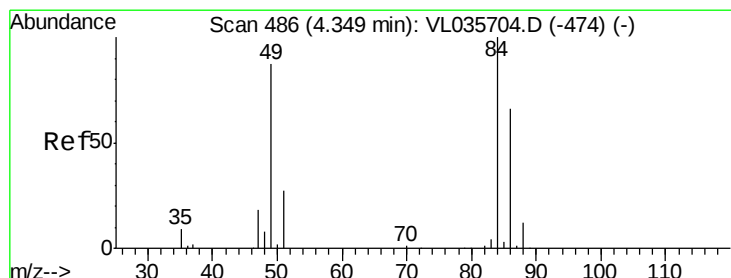
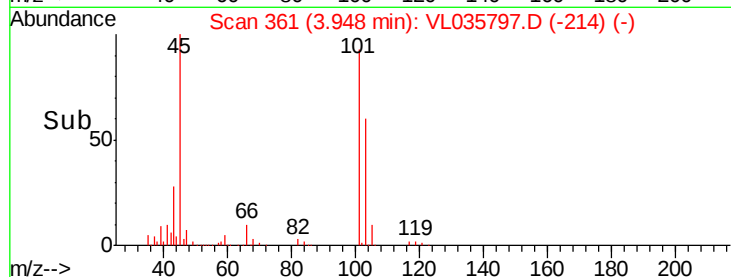
300000

200000

100000

0

Time--> 3.85 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 7.390 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Tgt Ion: 84 Resp: 674374

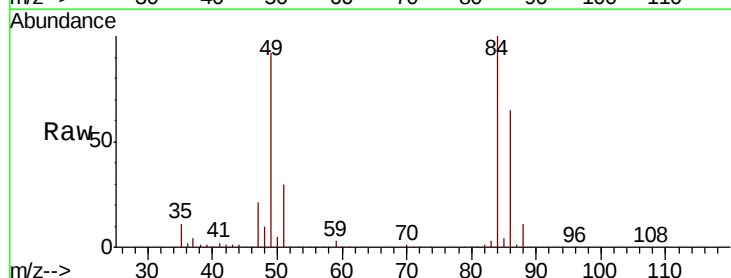
Ion Ratio Lower Upper

84 100

49 90.9 69.8 104.6

51 29.3 21.8 32.8

86 64.7 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

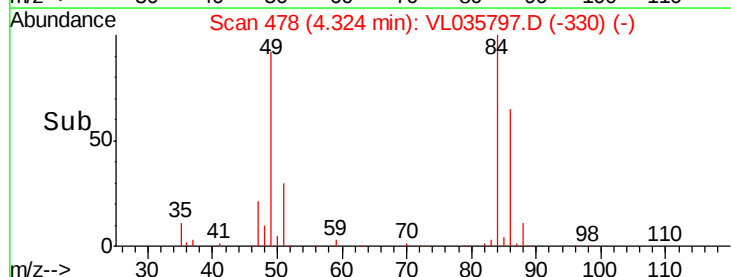
600000

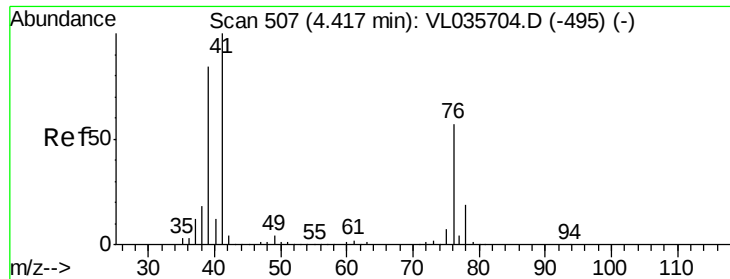
400000

200000

0

Time--> 4.25 4.30 4.35 4.40





#21

Allvl Chloride

Concen: 10.041 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

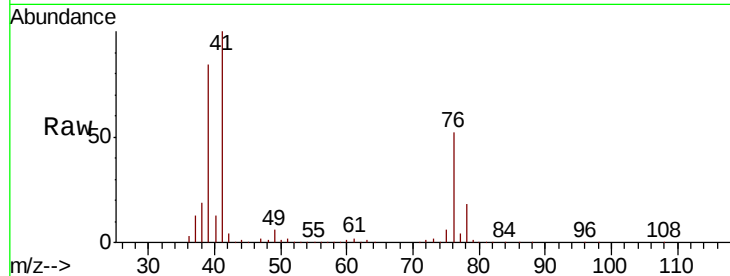
Tot Ion: 41 Resp: 604663

Ion Ratio Lower Upper

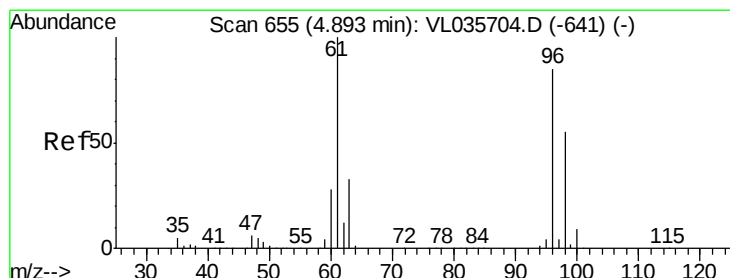
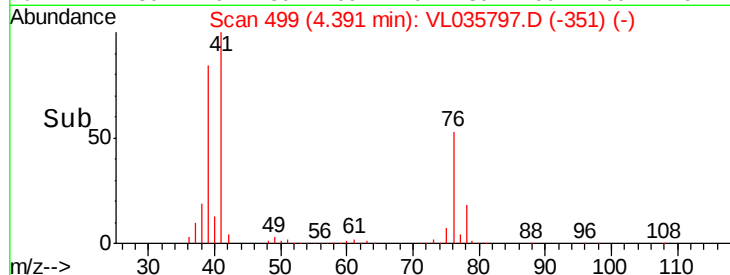
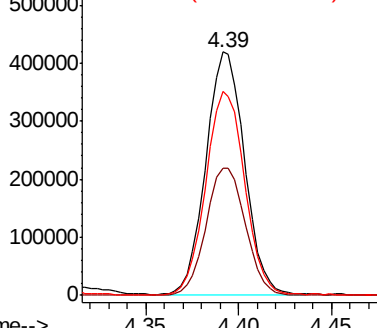
41 100

76 54.0 44.8 67.2

39 85.6 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: 9.326 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

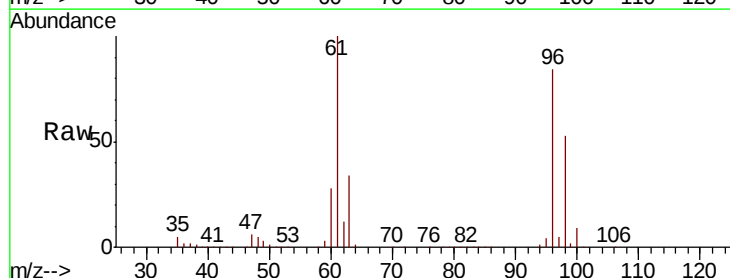
Tgt Ion: 96 Resp: 869278

Ion Ratio Lower Upper

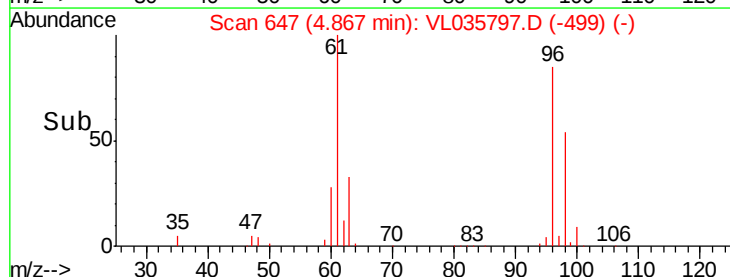
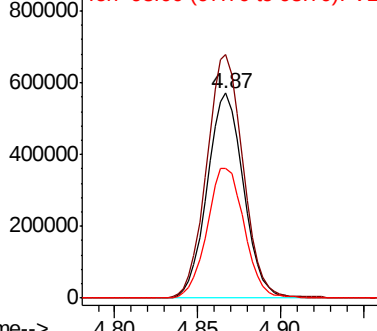
96 100

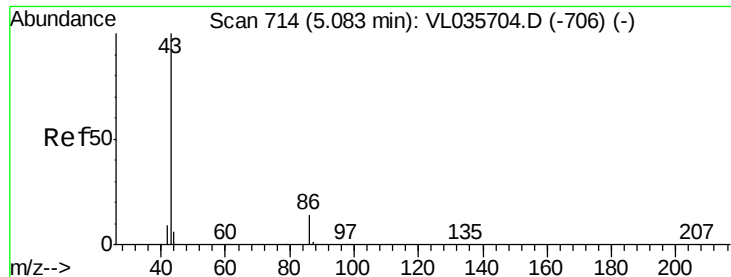
61 118.9 93.7 140.5

98 63.2 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: 10.135 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

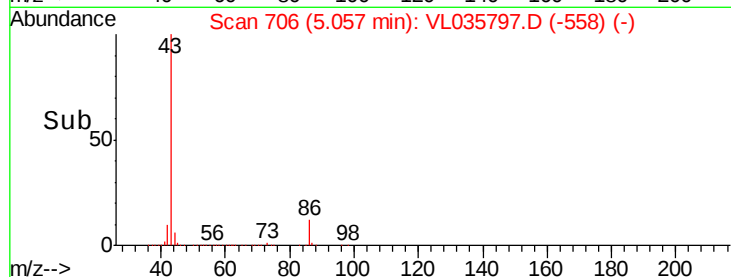
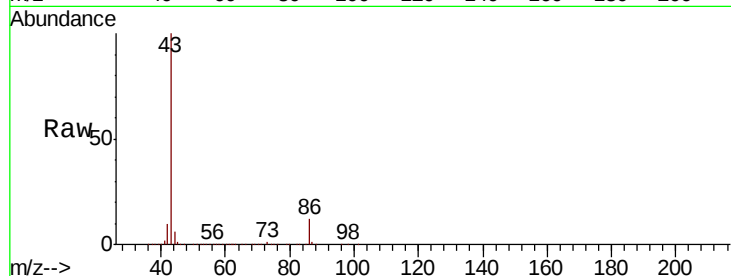
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1542321

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.7	14.5
42	10.2	7.9	11.9
44	6.3	4.8	7.2

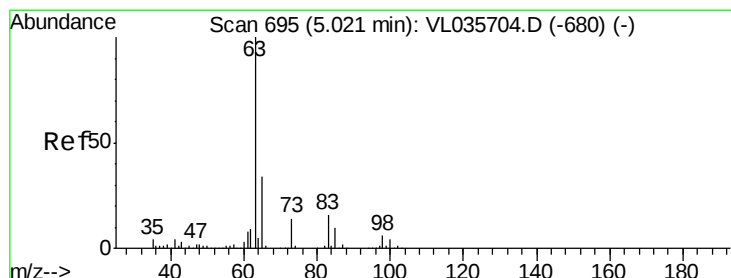


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.123 ppbv

RT: 5.00 min Scan# 687

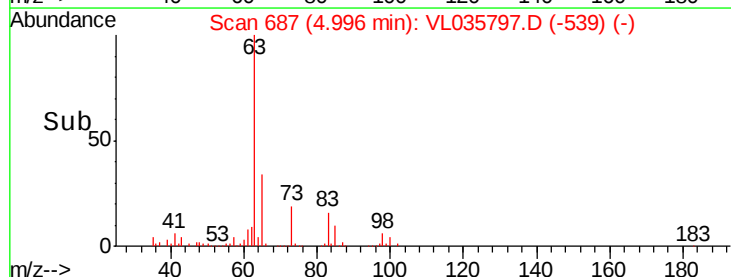
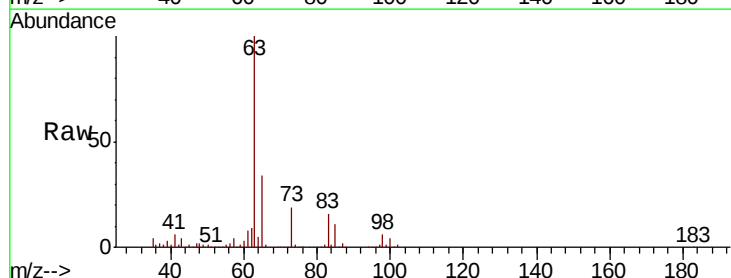
Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Tgt Ion: 63 Resp: 1512110

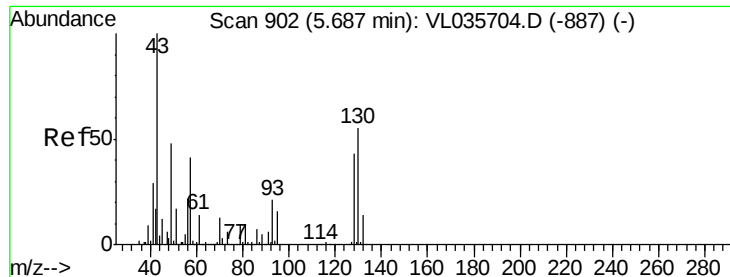
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	3.9	2.0	5.8



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

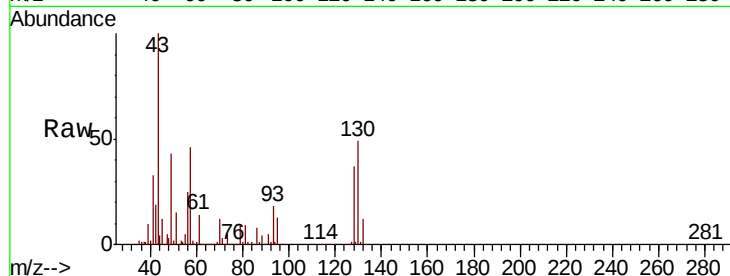


#25
Ethyl Acetate
Concen: 9.491 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2121691

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	12.6	10.4	15.6
70	10.8	8.9	13.3



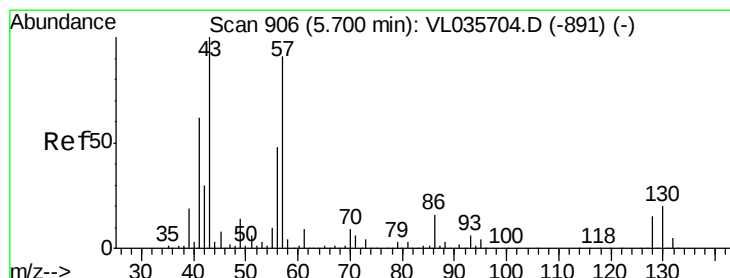
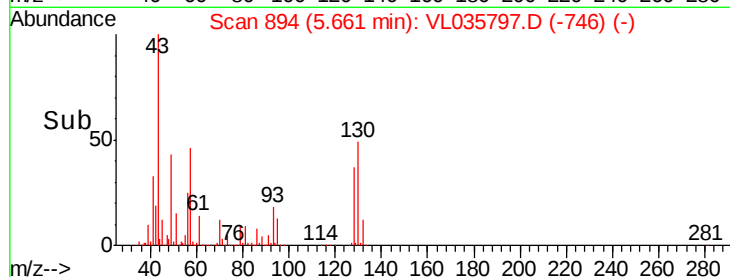
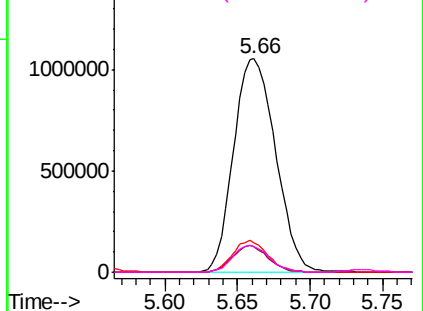
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

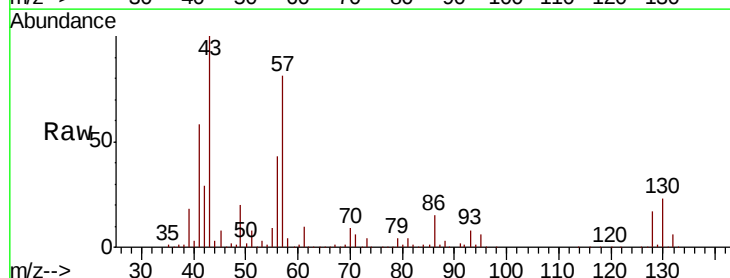
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.397 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion: 57 Resp: 1151188

Ion	Ratio	Lower	Upper
57	100		
41	74.2	57.9	86.9
43	185.6	143.8	215.6
56	53.5	43.0	64.6



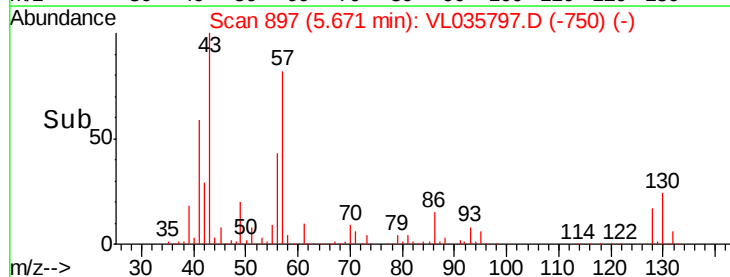
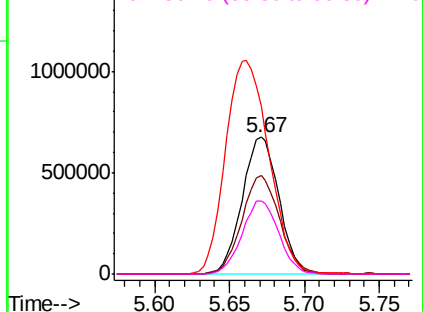
Abundance

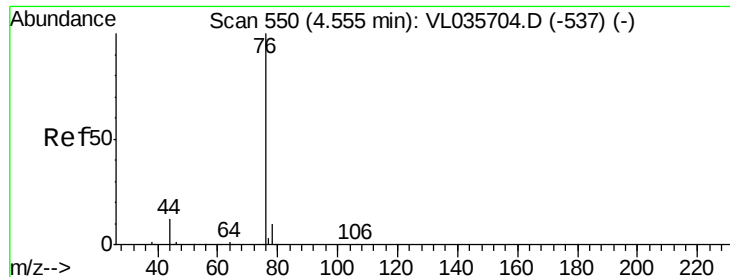
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.240 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

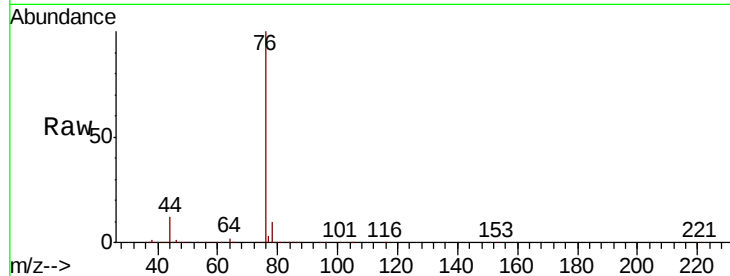
Tot Ion: 76 Resp: 1869793

Ion Ratio Lower Upper

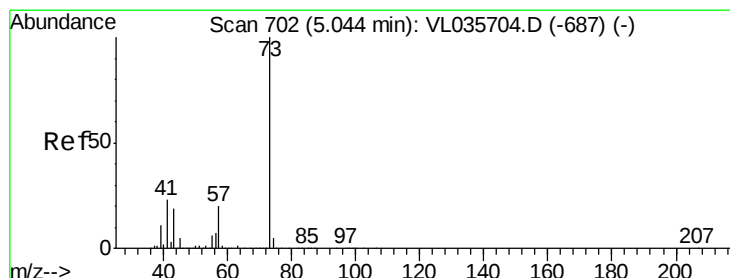
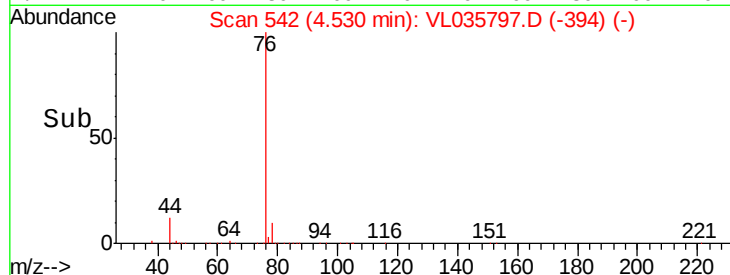
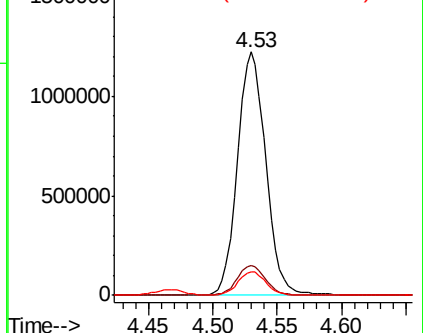
76 100

44 12.2 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: 9.904 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.03 min

Lab File: VL035797.D

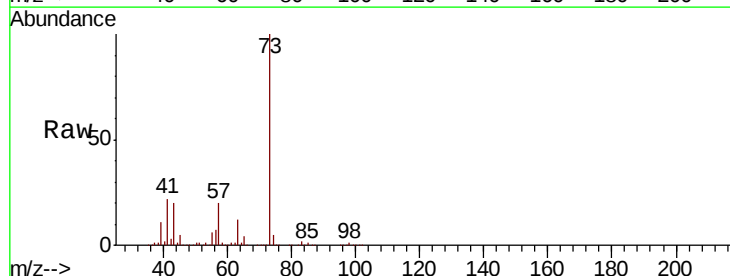
Acq: 19 Oct 2020 17:42

Tgt Ion: 73 Resp: 1923191

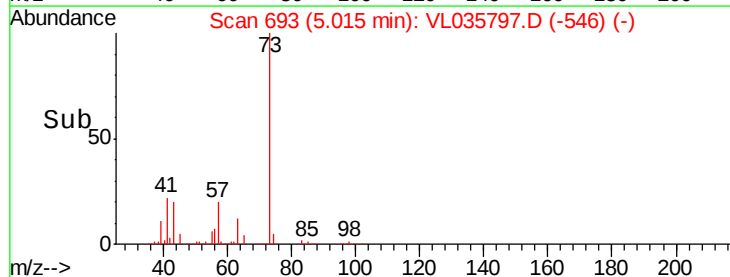
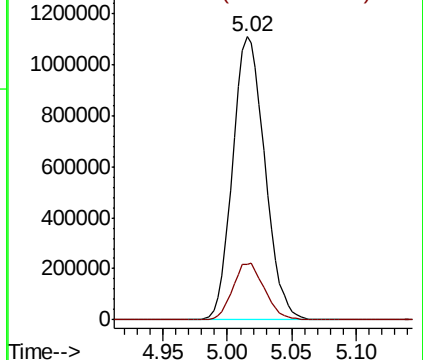
Ion Ratio Lower Upper

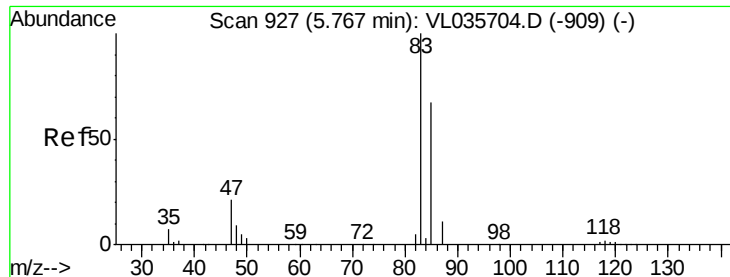
73 100

57 19.9 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: 9.170 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

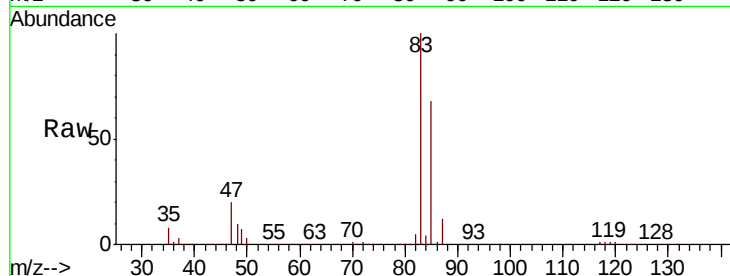
VSTDCCC010EC

Tot Ion: 83 Resp: 2281221

Ion Ratio Lower Upper

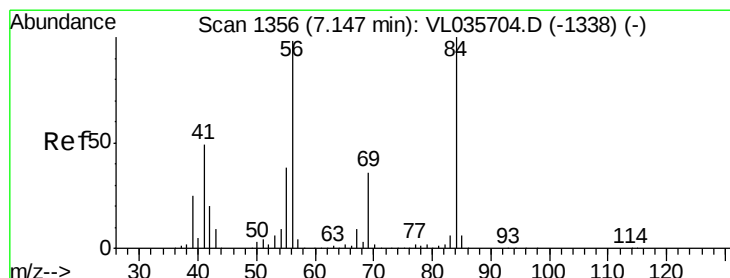
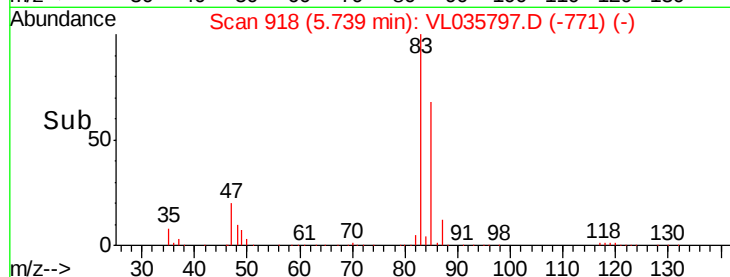
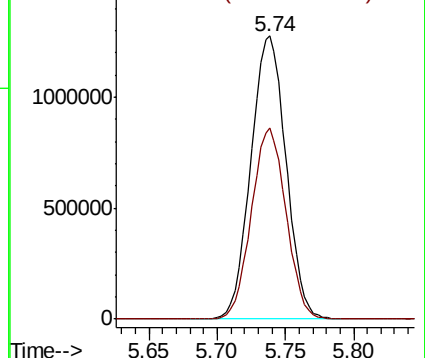
83 100

85 67.3 54.0 81.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.189 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

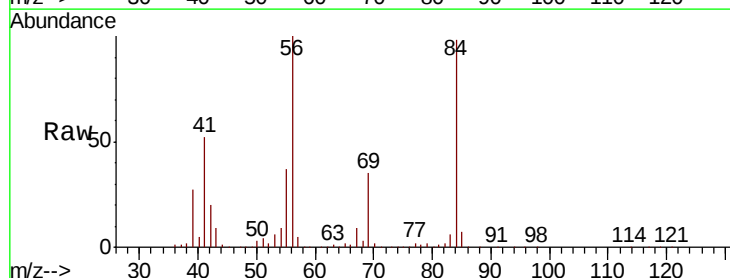
Tgt Ion: 84 Resp: 1231522

Ion Ratio Lower Upper

84 100

56 108.3 84.6 127.0

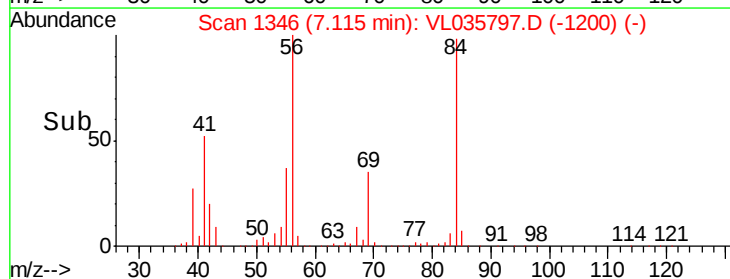
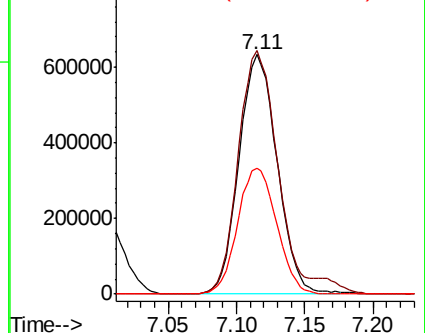
41 54.0 41.1 61.7

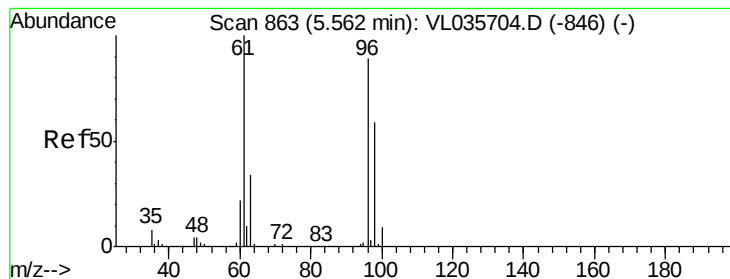


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



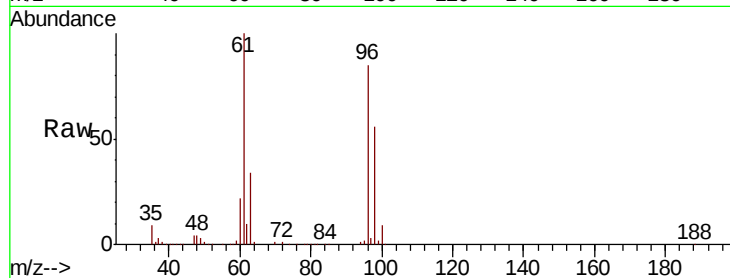


#31

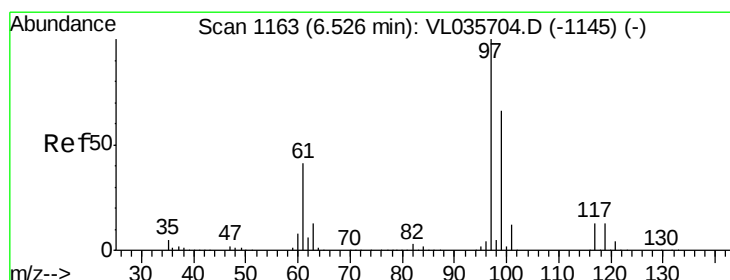
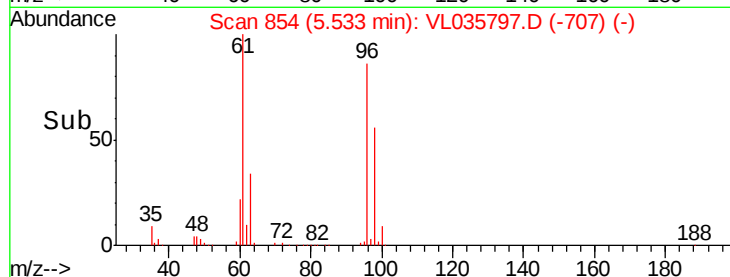
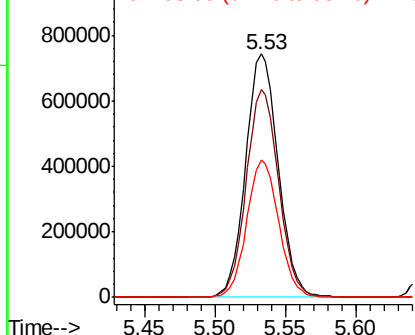
cis-1,2-Dichloroethene
 Concen: 10.199 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1206100
 Ion Ratio Lower Upper
 61 100
 96 85.5 71.4 107.2
 98 56.5 47.4 71.2



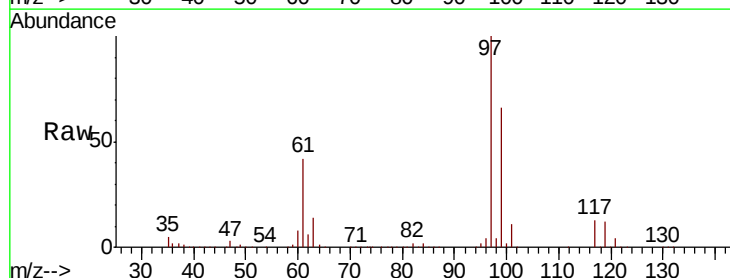
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



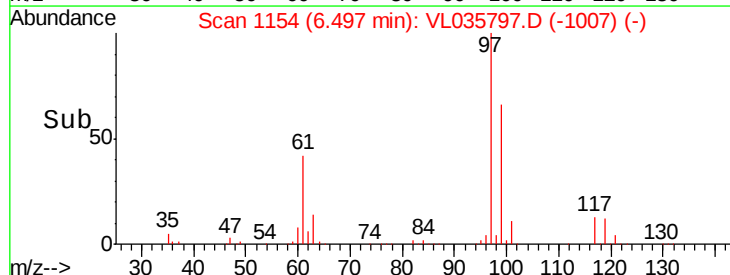
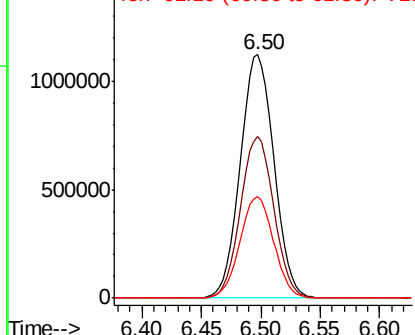
#32

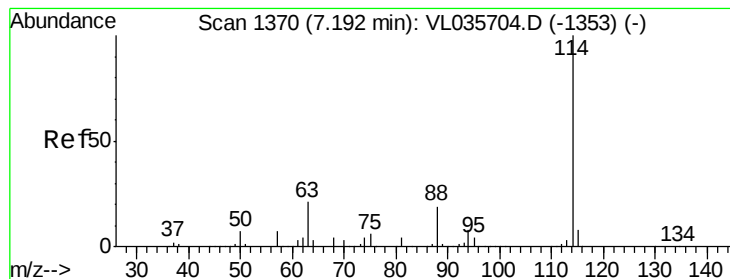
1,1,1-Trichloroethane
 Concen: 10.076 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion: 97 Resp: 2209745
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.7 79.1
 61 41.6 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: 7.16 min Scan# 1361

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

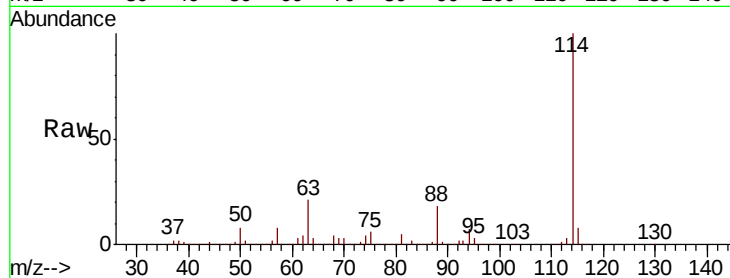
Tot Ion:114 Resp: 4277513

Ion Ratio Lower Upper

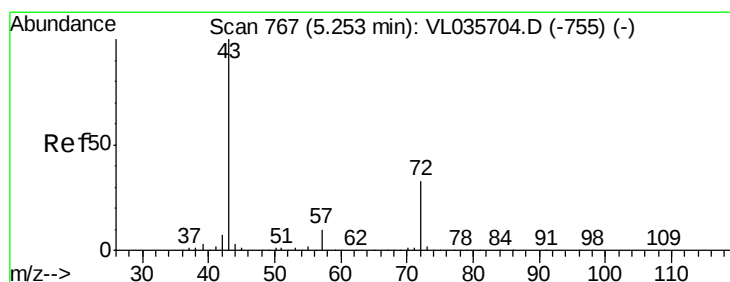
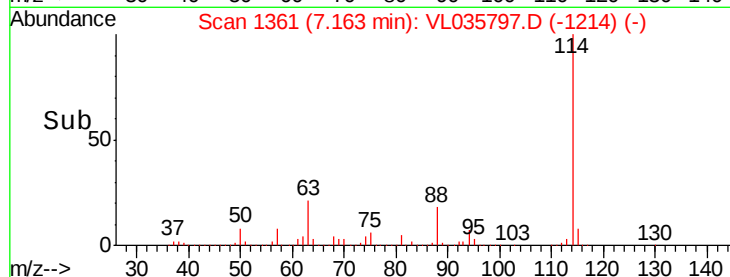
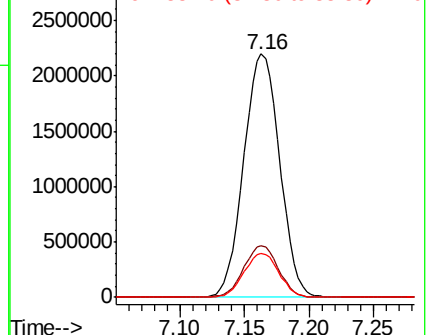
114 100

63 20.6 16.1 24.1

88 17.6 14.1 21.1



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



#34

2-Butanone

Concen: 10.135 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.03 min

Lab File: VL035797.D

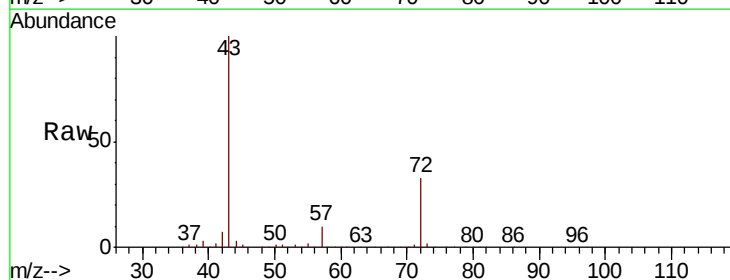
Acq: 19 Oct 2020 17:42

Tgt Ion: 43 Resp: 1433875

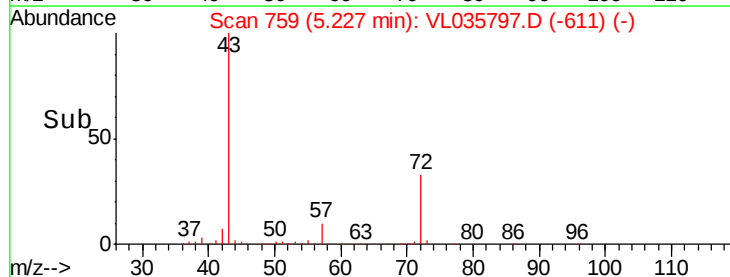
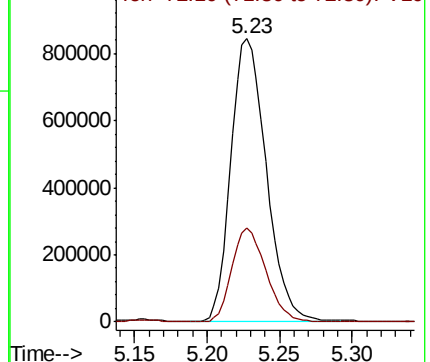
Ion Ratio Lower Upper

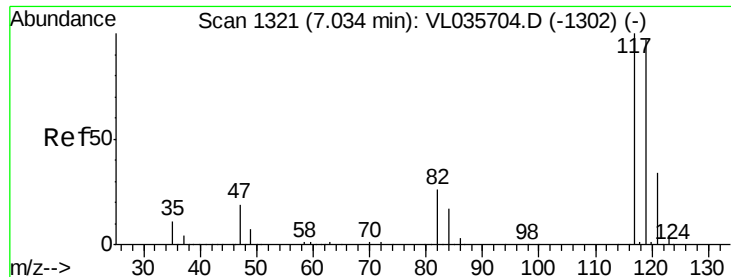
43 100

72 32.0 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: 10.208 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

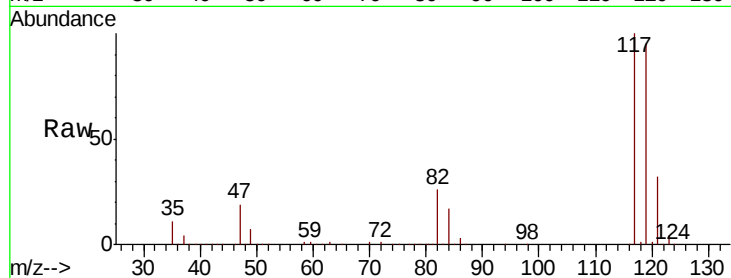
Tot Ion:117 Resp: 2276511

Ion Ratio Lower Upper

117 100

119 95.2 77.7 116.5

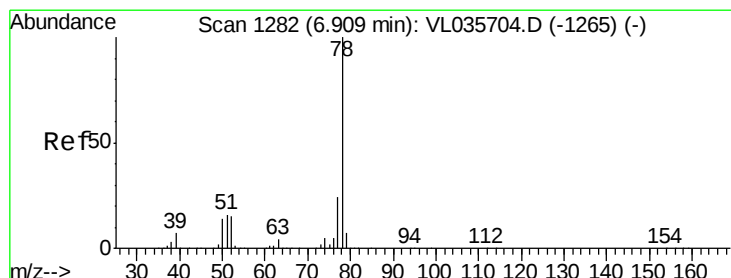
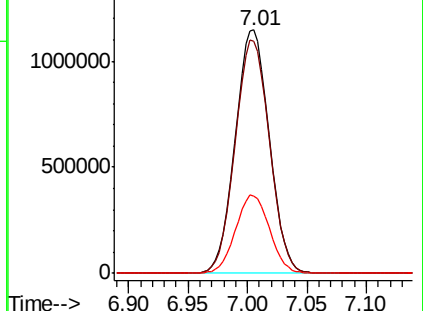
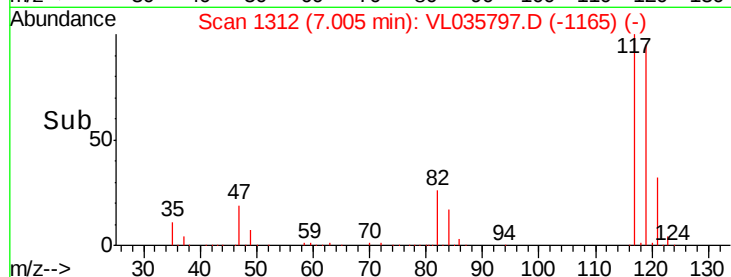
121 31.9 26.9 40.3



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: 10.178 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

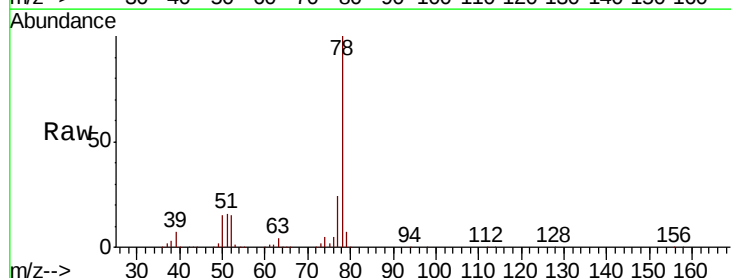
Tgt Ion: 78 Resp: 2836901

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

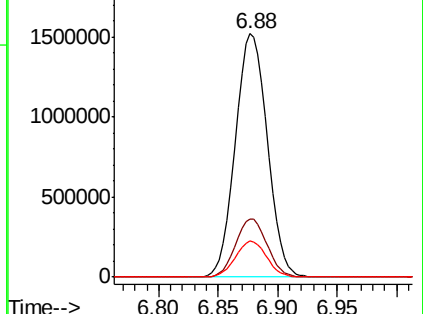
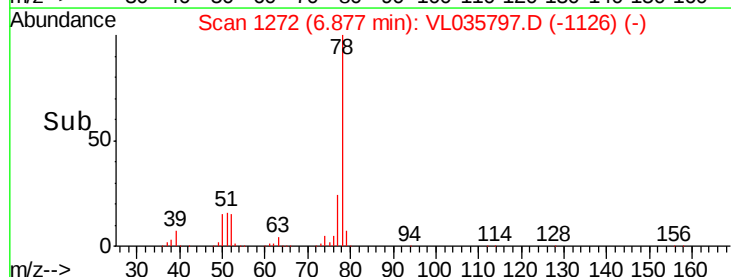
50 14.8 11.6 17.4

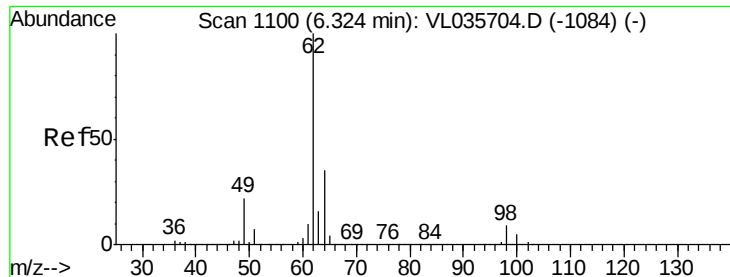


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

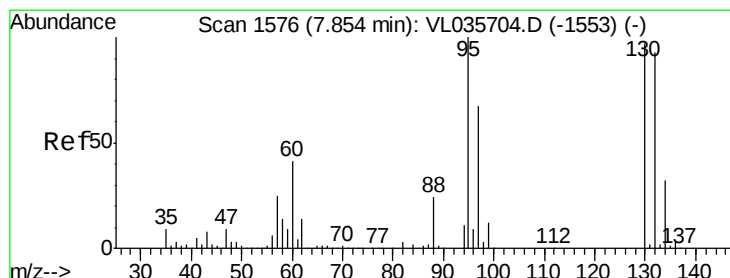
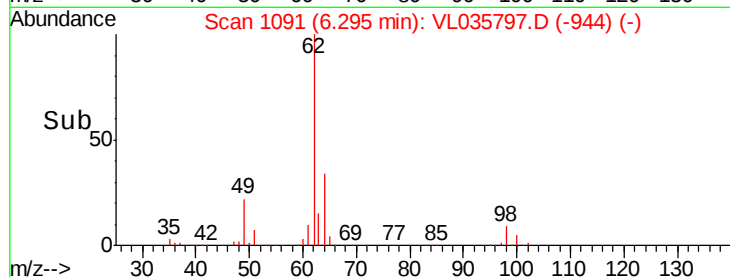
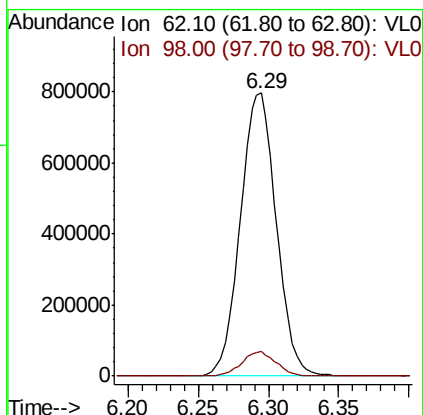
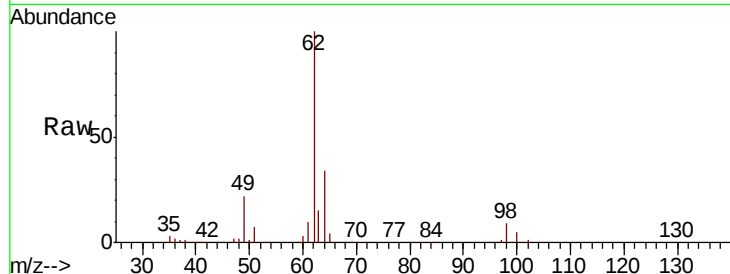




#37
 1,2-Dichloroethane
 Concen: 9.785 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

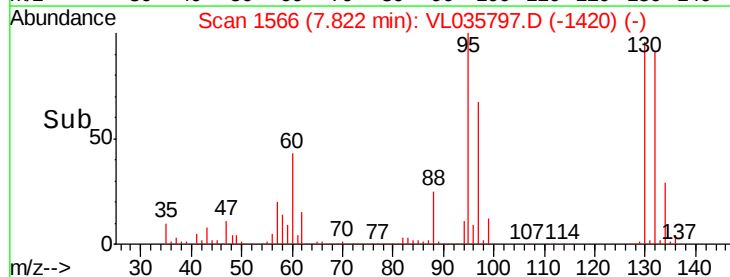
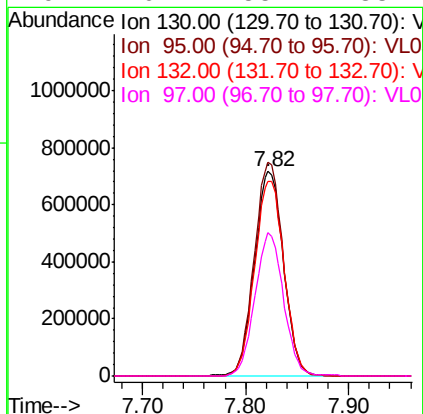
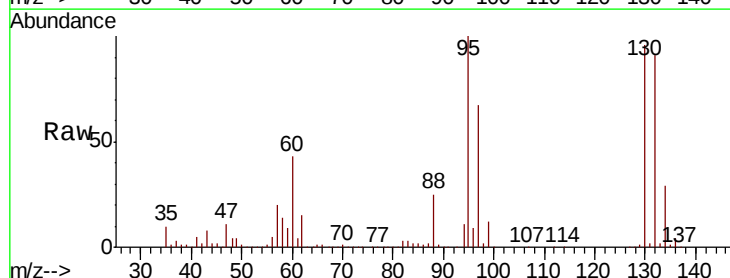
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

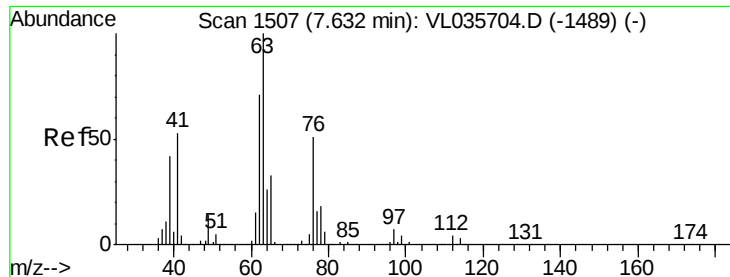
Tot Ion: 62 Resp: 1421450
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.9 10.3



#38
 Trichloroethene
 Concen: 10.059 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion:130 Resp: 1398657
 Ion Ratio Lower Upper
 130 100
 95 104.6 82.4 123.6
 132 95.2 76.8 115.2
 97 70.4 55.4 83.2



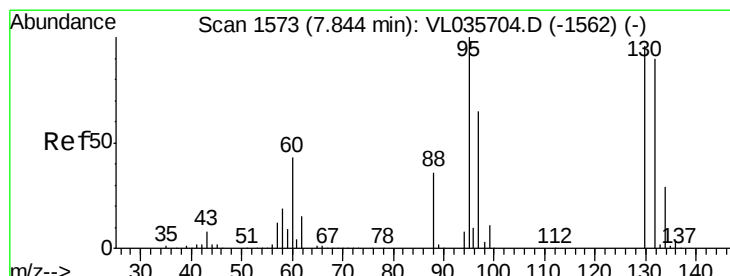
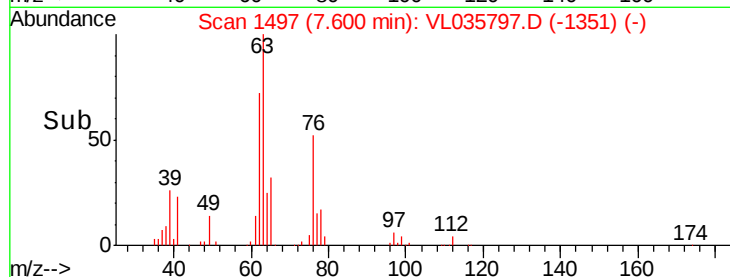
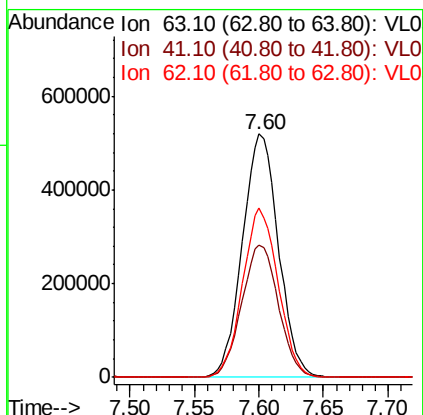
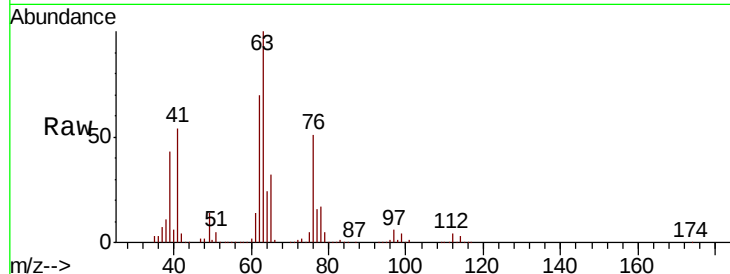


#39
 1,2-Dichloropropane
 Concen: 10.002 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 63 Resp: 1010440

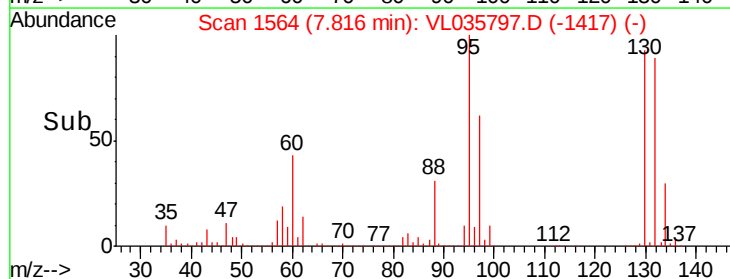
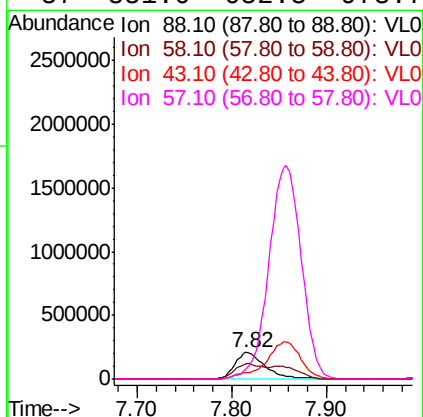
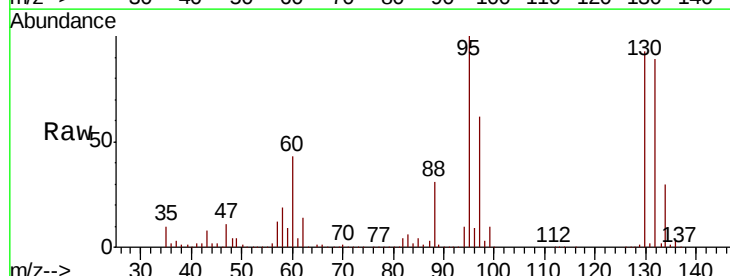
Ion	Ratio	Lower	Upper
63	100		
41	54.1	42.6	63.8
62	69.8	56.5	84.7

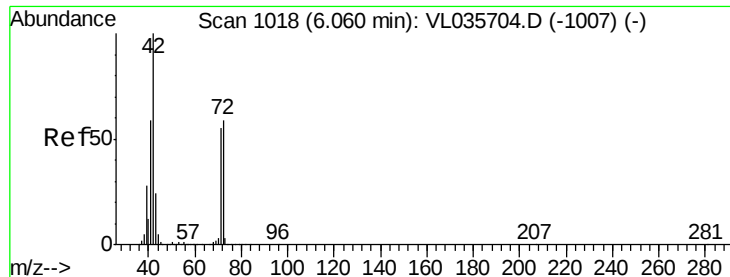


#40
 1,4-Dioxane
 Concen: 10.117 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion: 88 Resp: 467416

Ion	Ratio	Lower	Upper
88	100		
58	97.7	76.2	114.4
43	161.2	123.4	185.2
57	851.0	652.5	978.7





#41

Tetrahydrofuran

Concen: 11.239 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

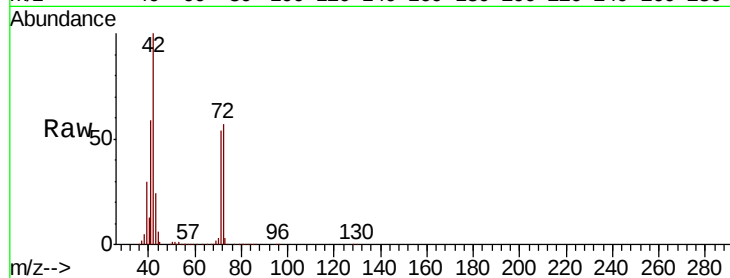
Tot Ion: 42 Resp: 801059

Ion Ratio Lower Upper

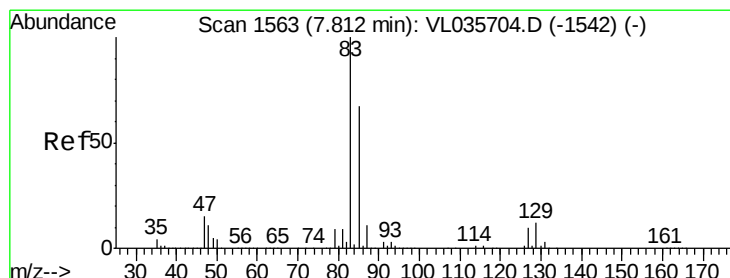
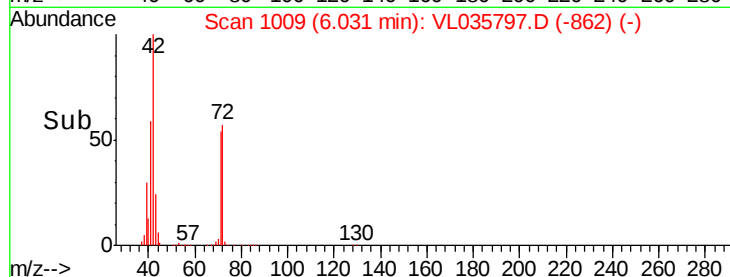
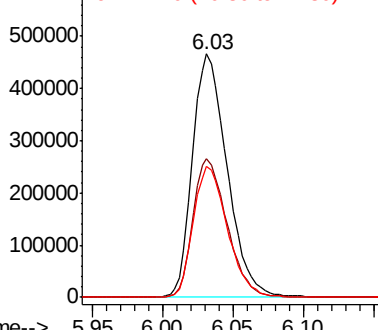
42 100

72 56.1 46.2 69.4

71 53.4 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: 10.201 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

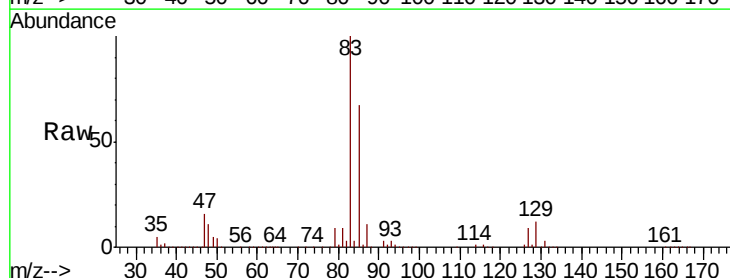
Tgt Ion: 83 Resp: 2387044

Ion Ratio Lower Upper

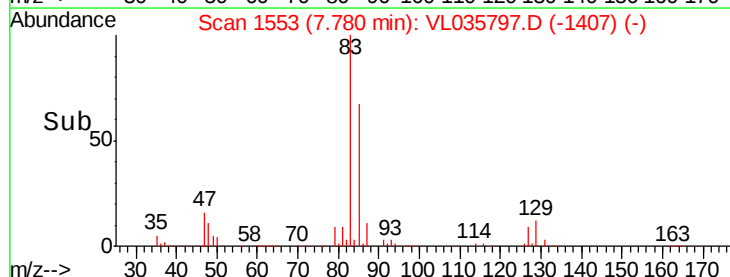
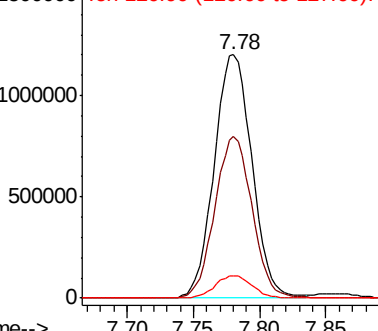
83 100

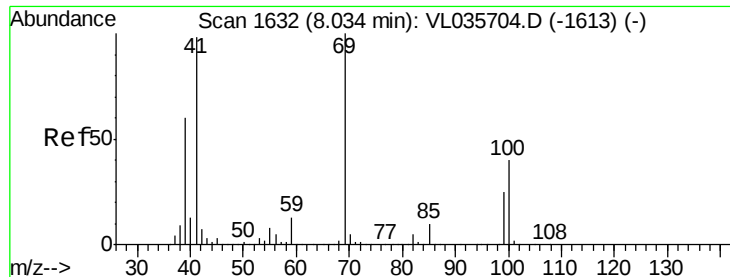
85 66.6 53.4 80.0

127 9.2 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

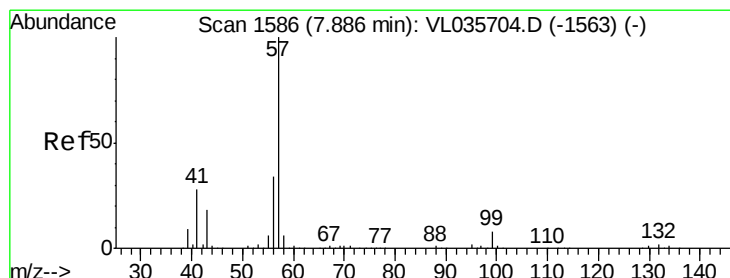
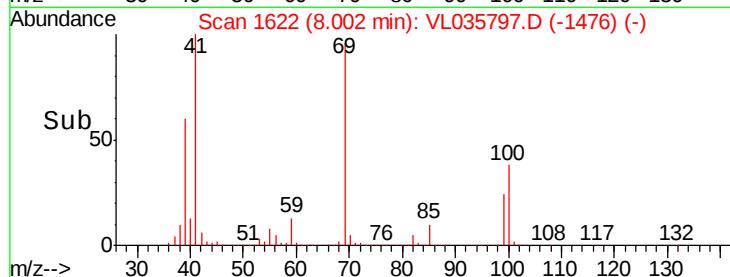
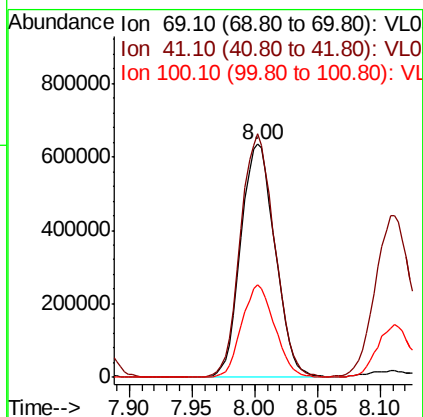
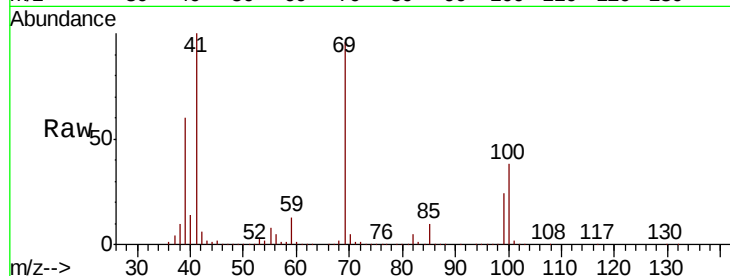




#43
Methyl Methacrylate
Concen: 10.942 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

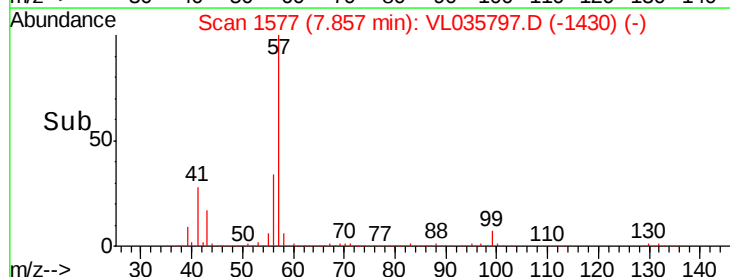
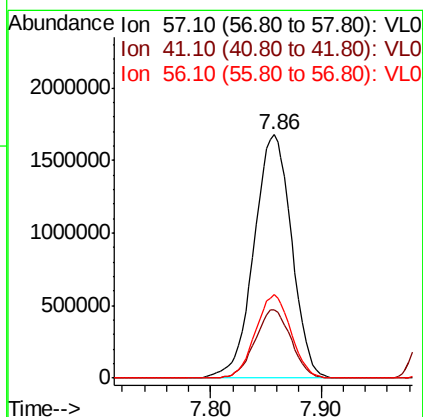
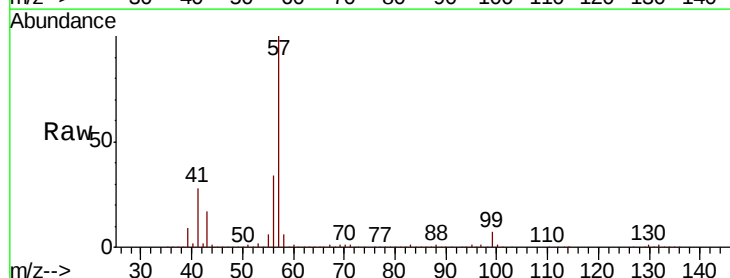
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

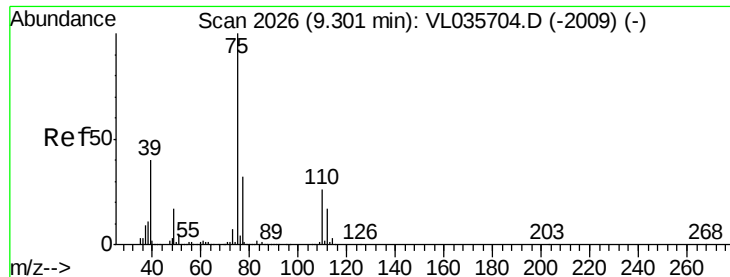
Tot Ion: 69 Resp: 1212966
Ion Ratio Lower Upper
69 100
41 103.5 79.8 119.6
100 38.2 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.934 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion: 57 Resp: 3973196
Ion Ratio Lower Upper
57 100
41 27.0 21.2 31.8
56 32.3 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 12.133 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

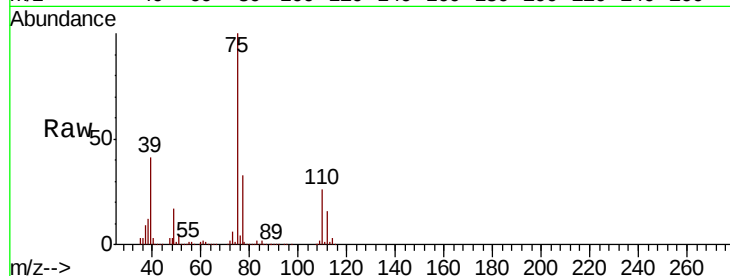
VSTDCCC010EC

Tot Ion: 75 Resp: 1357939

Ion Ratio Lower Upper

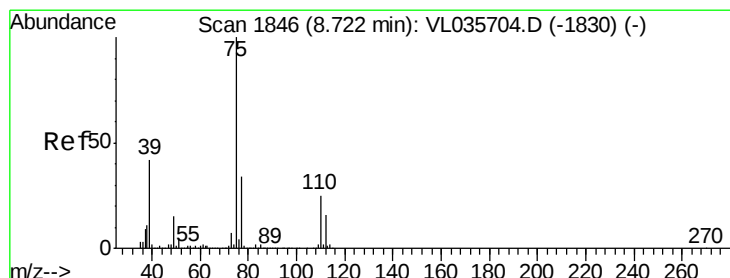
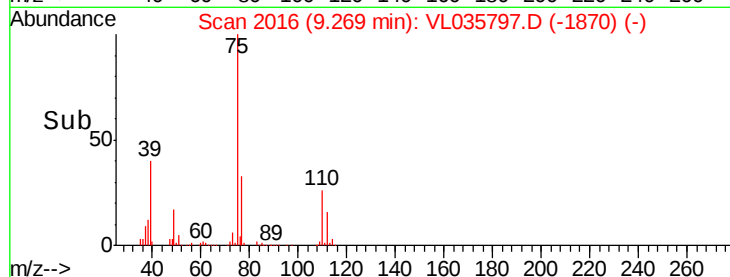
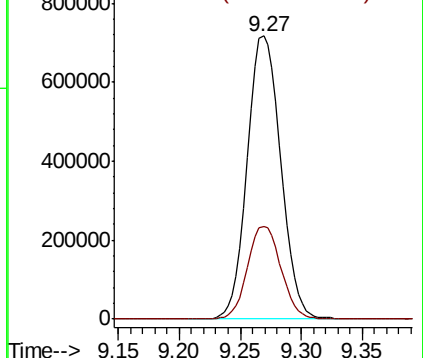
75 100

77 32.8 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.665 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

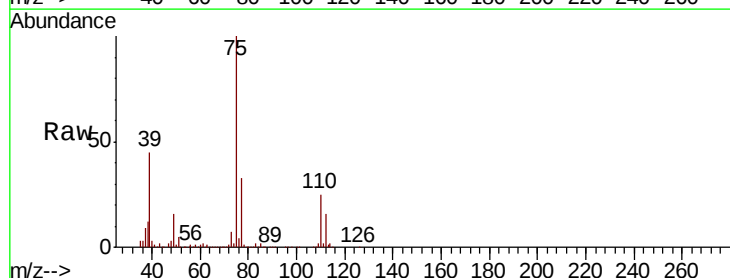
Tgt Ion: 75 Resp: 1609290

Ion Ratio Lower Upper

75 100

39 44.5 33.9 50.9

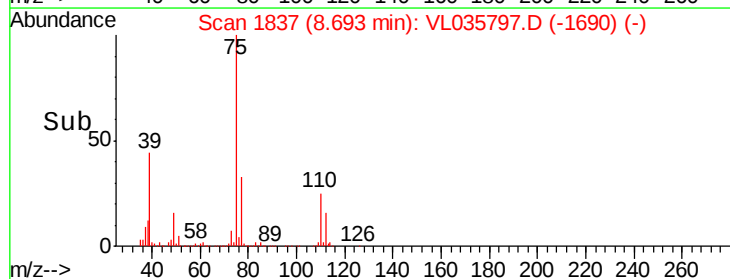
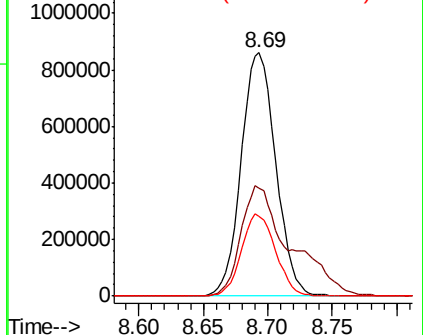
77 32.7 27.4 41.0

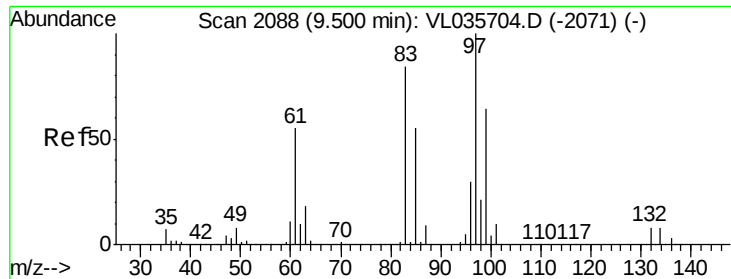


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



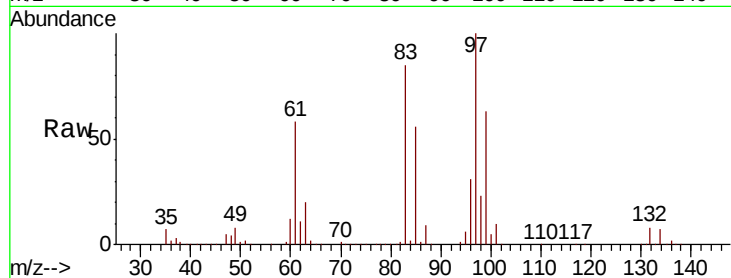


#47
 1,1,2-Trichloroethane
 Concen: 9.507 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.04 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

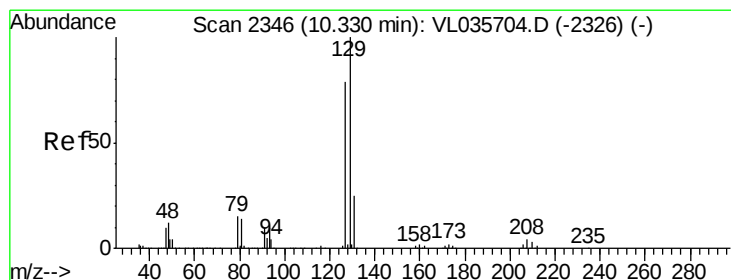
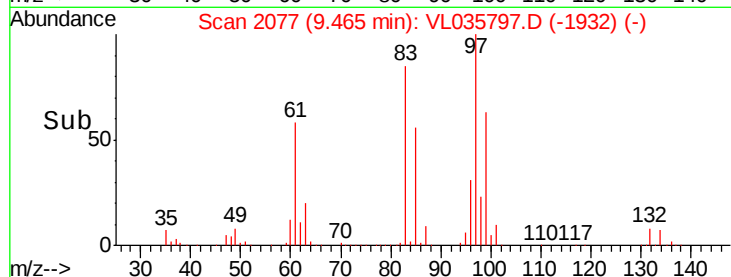
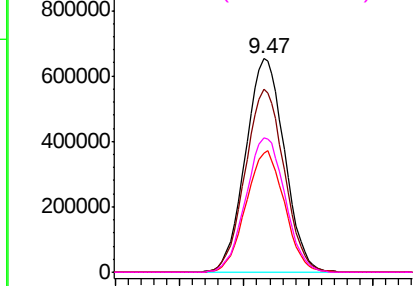
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1375705

Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.1	100.7
85	55.6	43.9	65.9
99	62.9	51.3	76.9



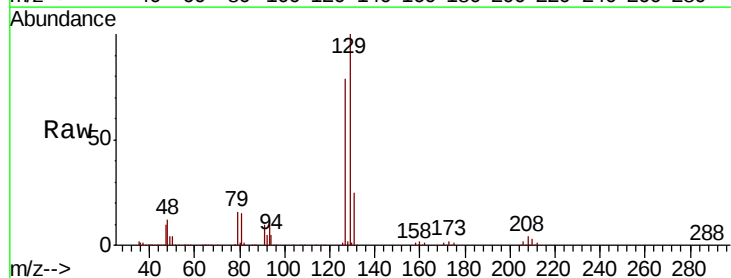
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



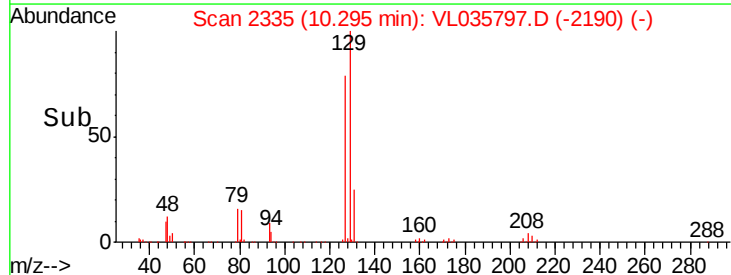
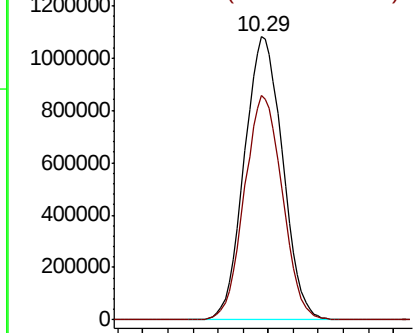
#48
 Dibromochloromethane
 Concen: 10.420 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.04 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

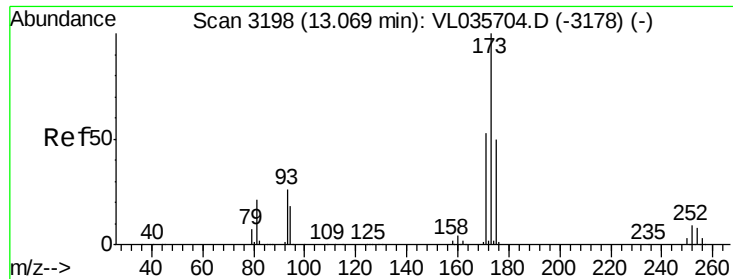
Tgt Ion: 129 Resp: 2294758

Ion	Ratio	Lower	Upper
129	100		
127	78.7	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: 10.803 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

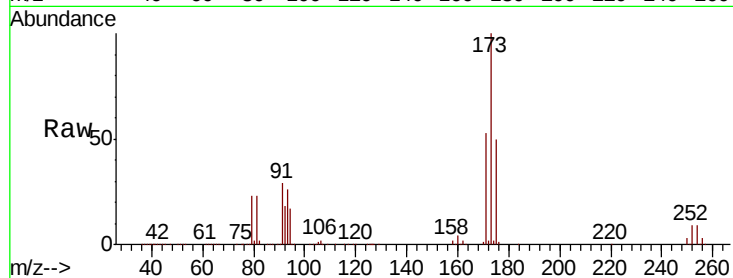
Tot Ion:173 Resp: 2018760

Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.6

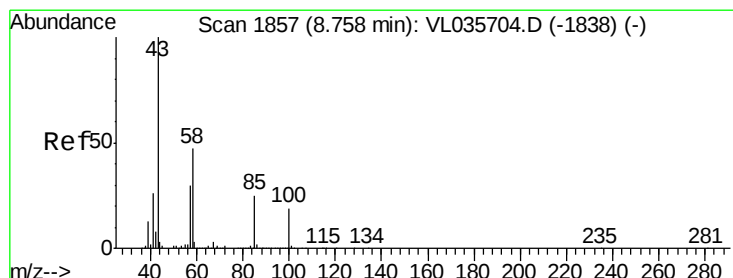
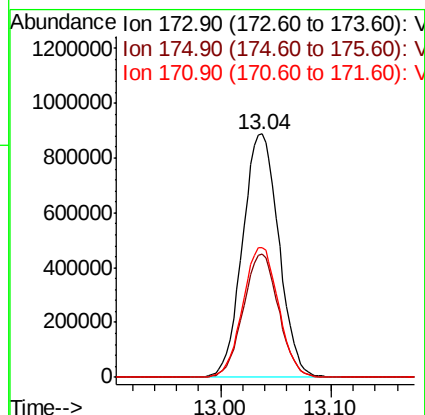
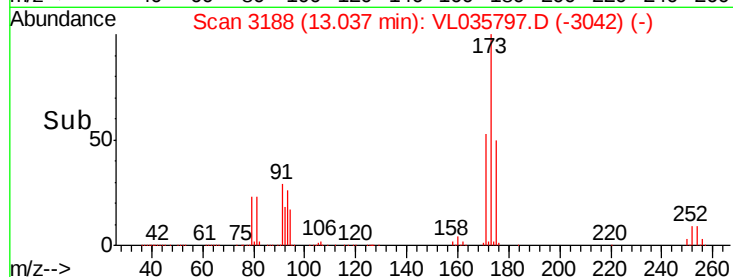
171 52.9 42.8 64.2



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: 10.543 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.03 min

Lab File: VL035797.D

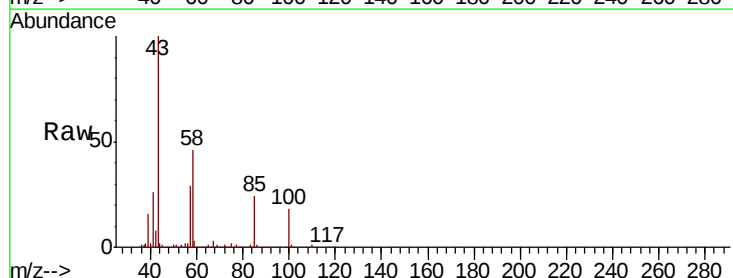
Acq: 19 Oct 2020 17:42

Tgt Ion: 43 Resp: 2178626

Ion Ratio Lower Upper

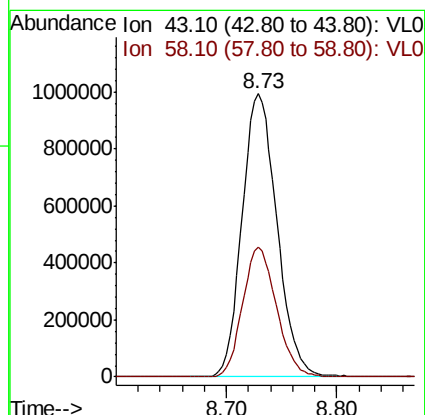
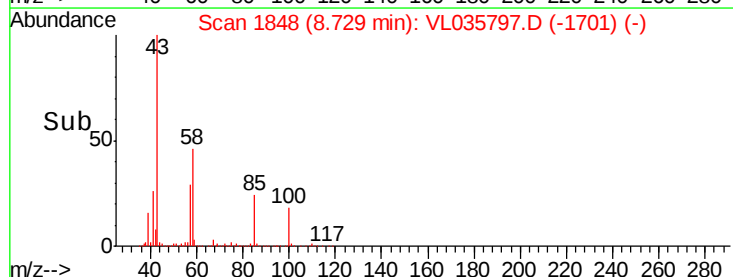
43 100

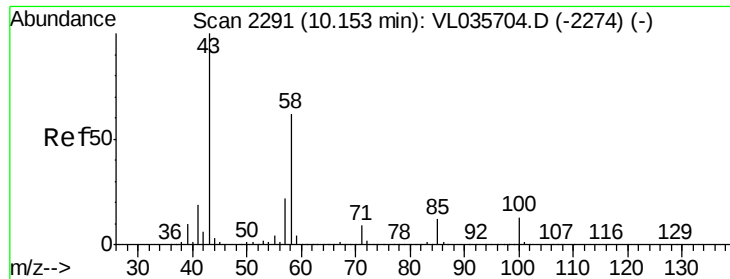
58 44.6 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

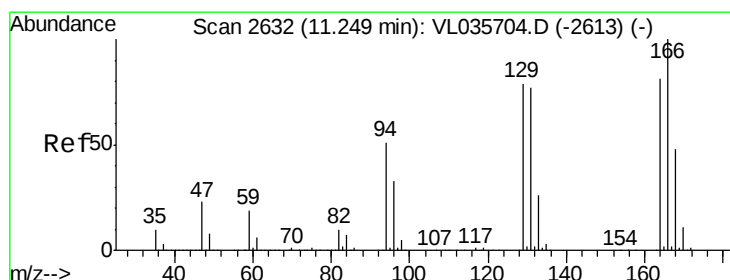
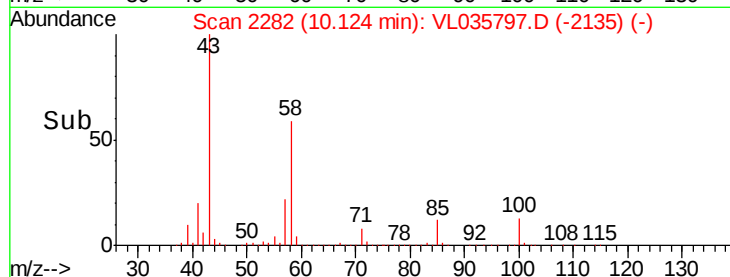
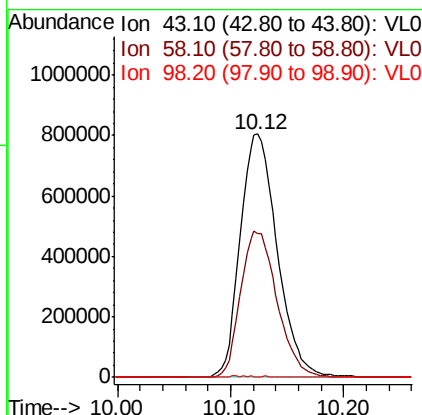
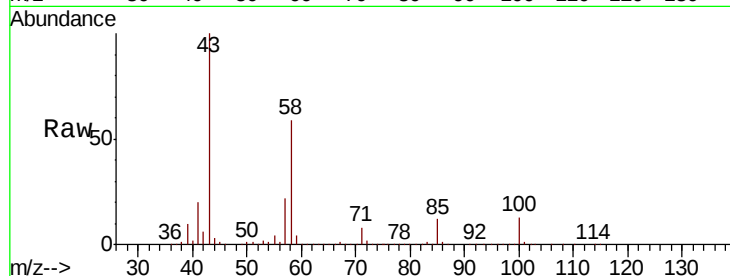




#51
2-Hexanone
Concen: 10.979 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

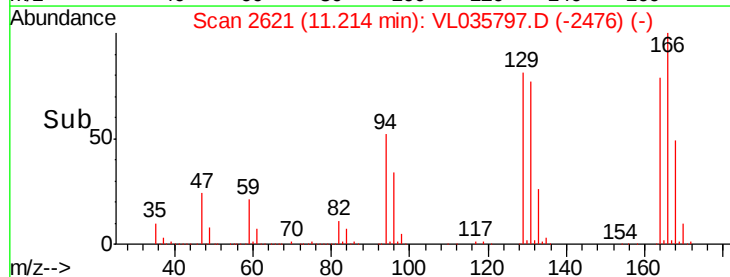
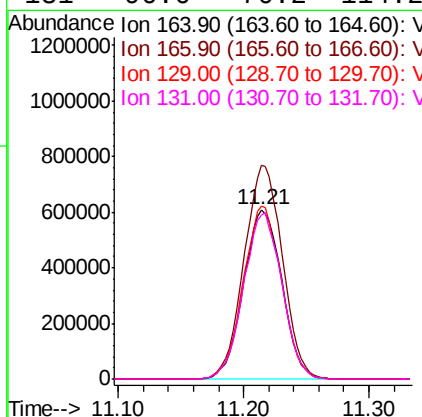
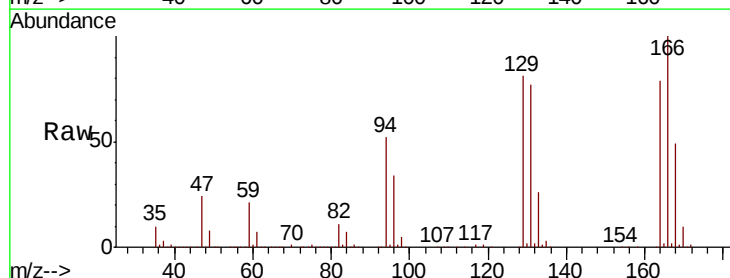
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

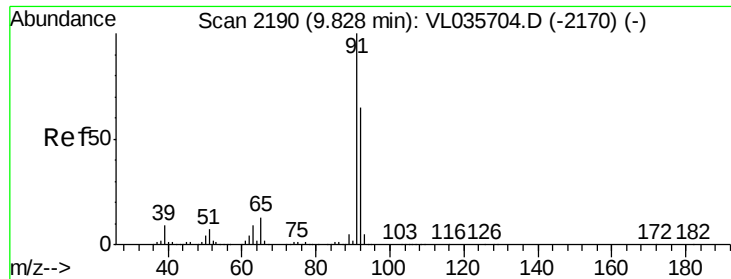
Tot Ion: 43 Resp: 1827893
Ion Ratio Lower Upper
43 100
58 59.4 48.7 73.1
98 0.8 0.7 1.1



#52
Tetrachloroethene
Concen: 9.662 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion:164 Resp: 1295004
Ion Ratio Lower Upper
164 100
166 126.1 98.7 148.1
129 102.3 78.4 117.6
131 96.6 76.2 114.2





#53

Toluene

Concen: 10.830 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

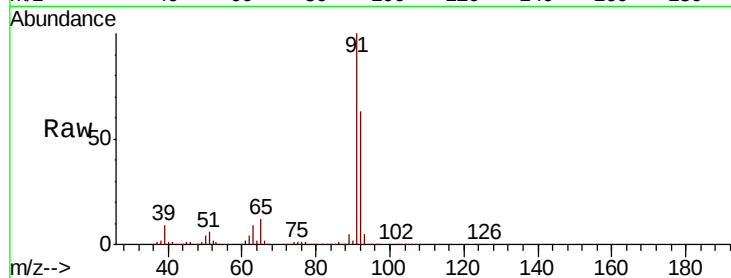
VSTDCCC010EC

Tot Ion: 91 Resp: 3559454

Ion Ratio Lower Upper

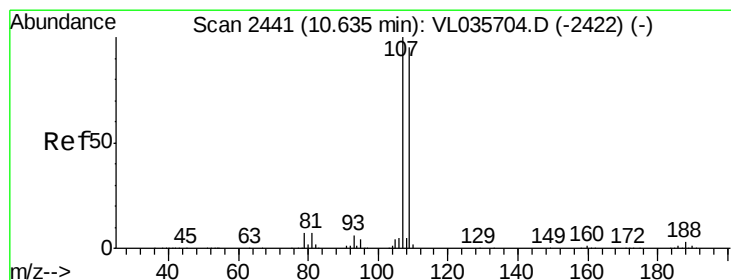
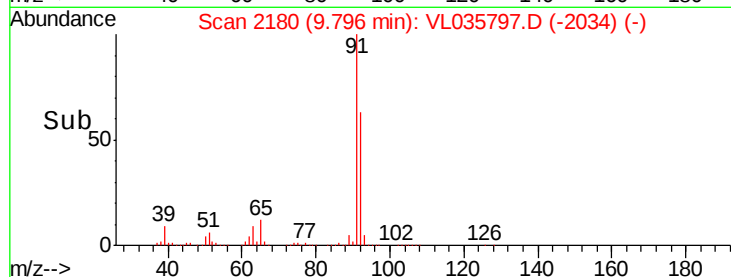
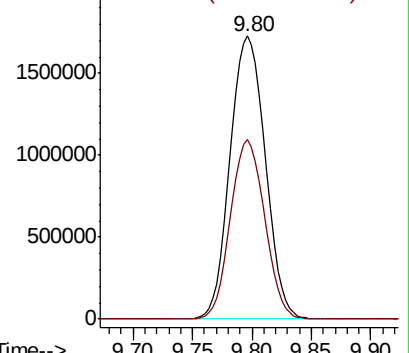
91 100

92 61.8 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.950 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.03 min

Lab File: VL035797.D

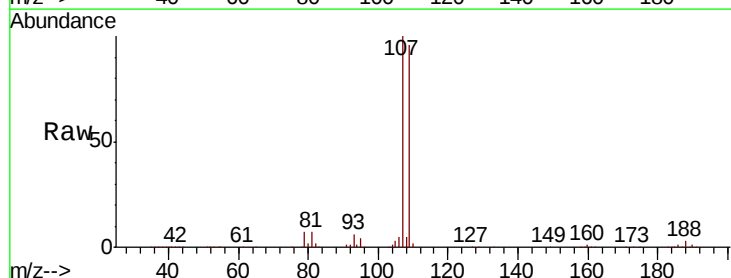
Acq: 19 Oct 2020 17:42

Tgt Ion: 107 Resp: 2155933

Ion Ratio Lower Upper

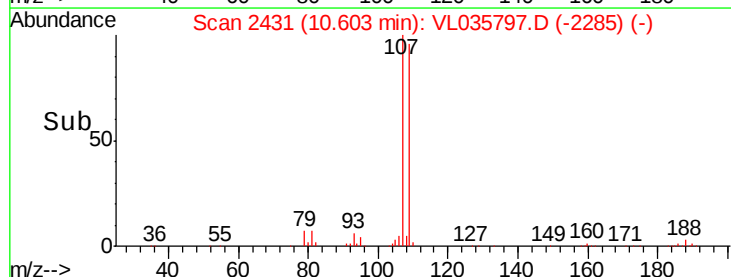
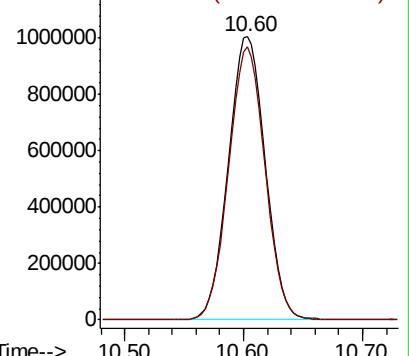
107 100

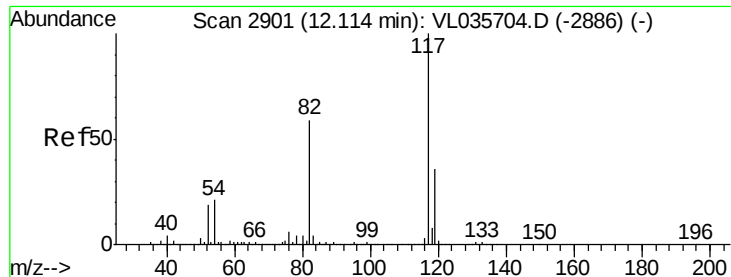
109 96.3 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

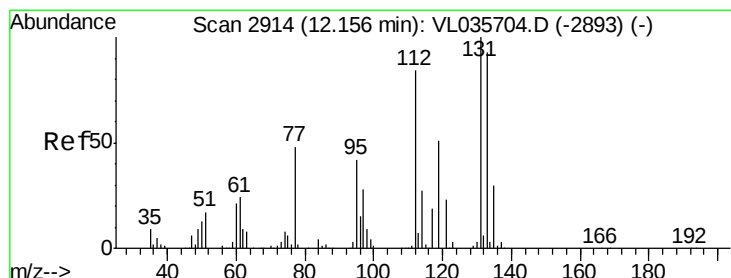
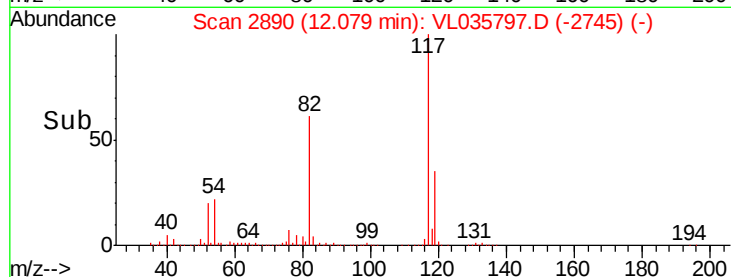
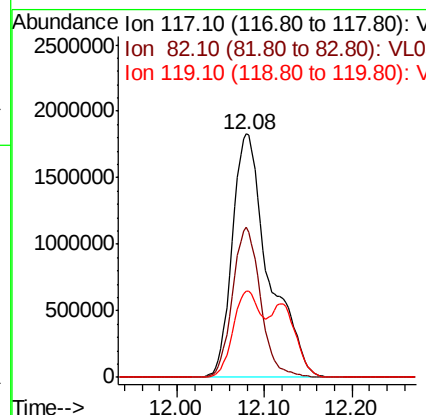
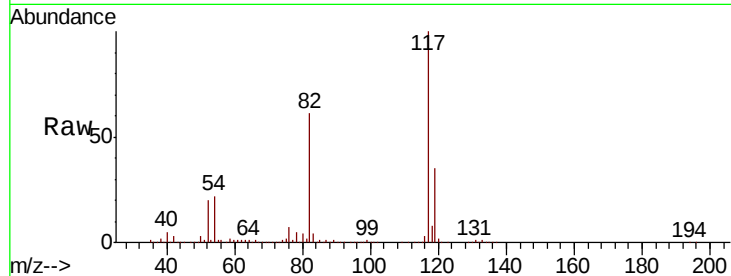




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

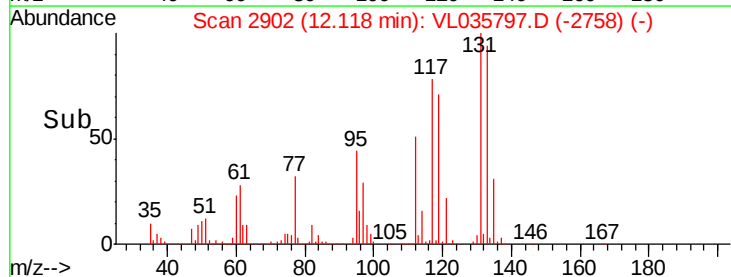
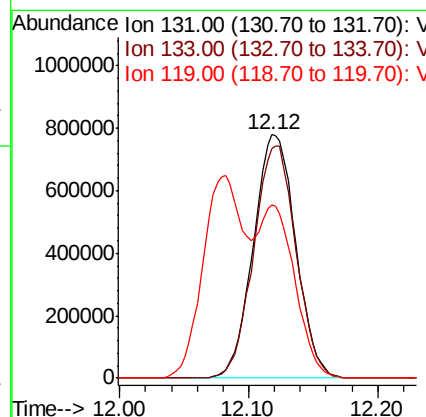
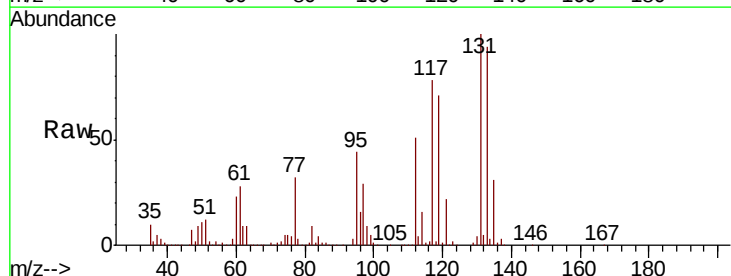
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

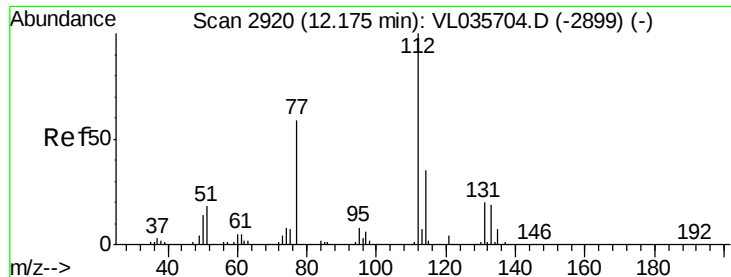
Tot Ion:117 Resp: 5287791
Ion Ratio Lower Upper
117 100
82 47.7 46.1 69.1
119 25.9 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.041 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion:131 Resp: 1782945
Ion Ratio Lower Upper
131 100
133 95.5 76.2 114.4
119 58.7 52.4 78.6

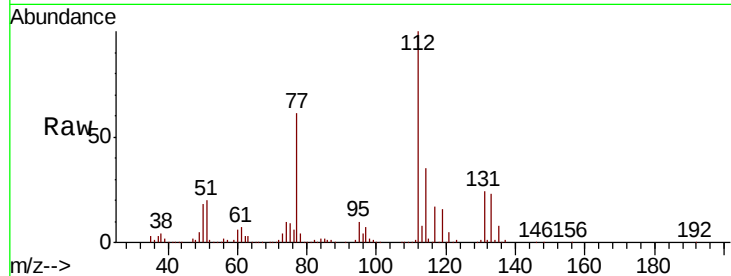




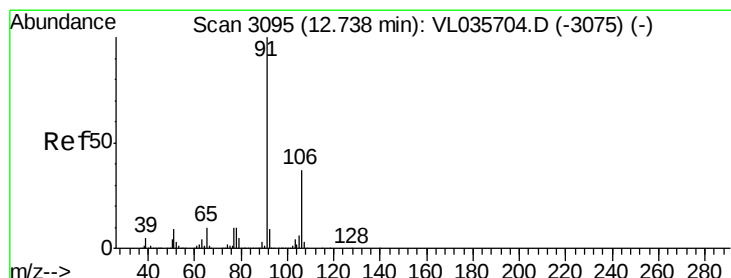
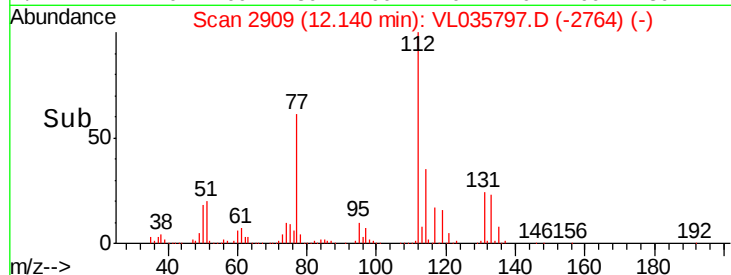
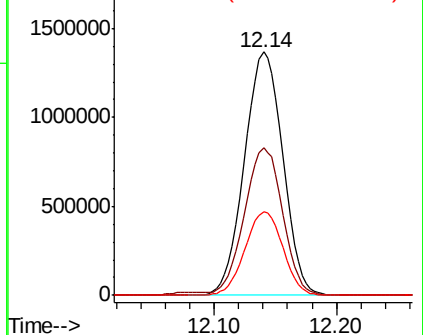
#57
Chlorobenzene
Concen: 7.456 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2978041
Ion Ratio Lower Upper
112 100
77 60.6 48.2 72.2
114 34.6 31.9 39.1

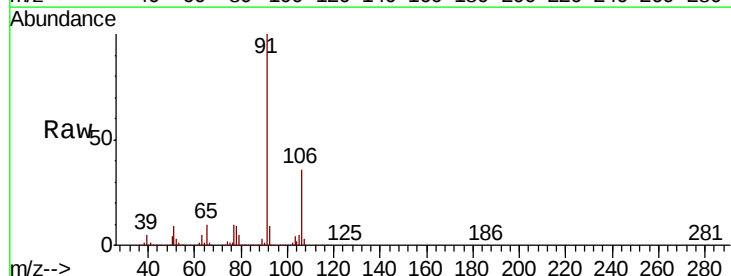


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

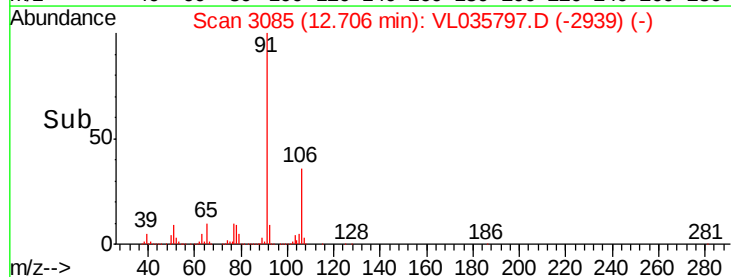
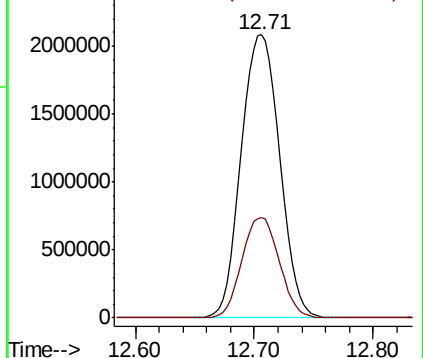


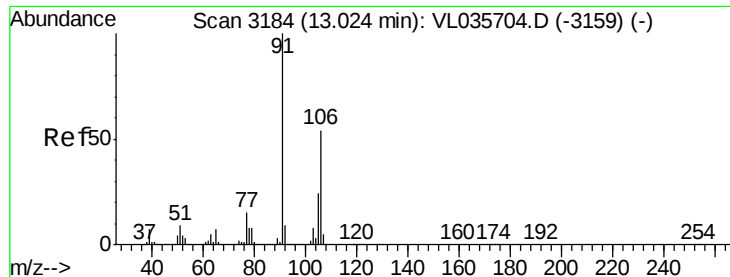
#58
Ethyl Benzene
Concen: 8.808 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion: 91 Resp: 4674529
Ion Ratio Lower Upper
91 100
106 35.6 29.7 44.5



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

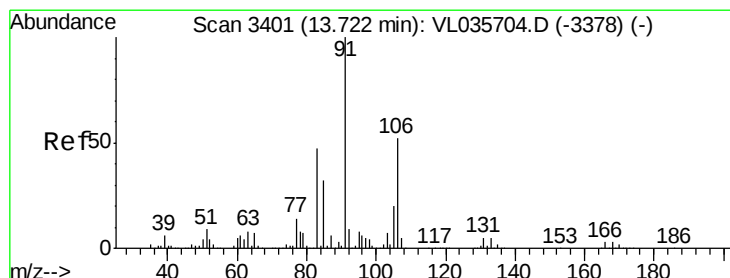
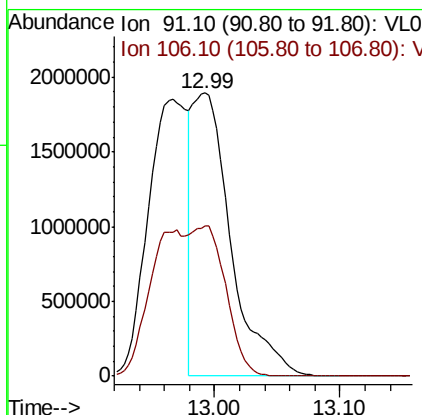
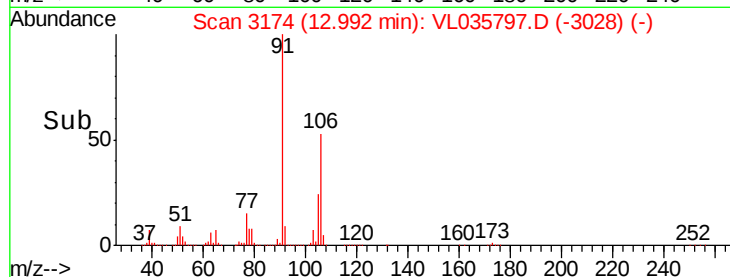
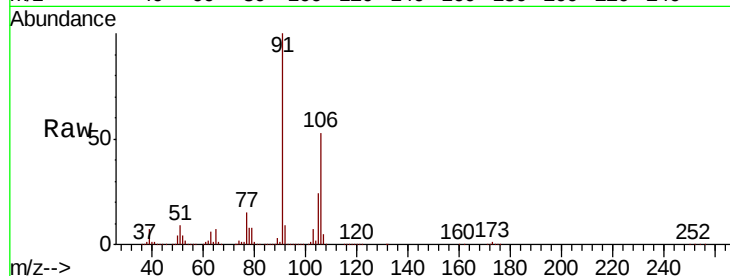




#59
m/p-Xylene
Concen: 8.659 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

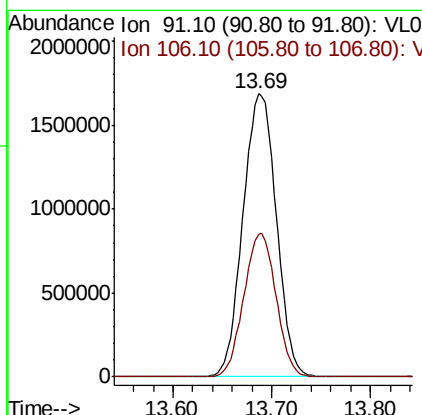
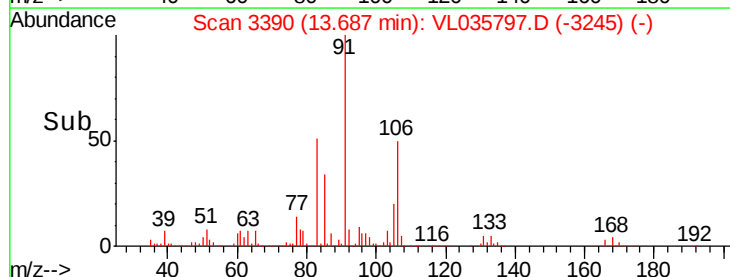
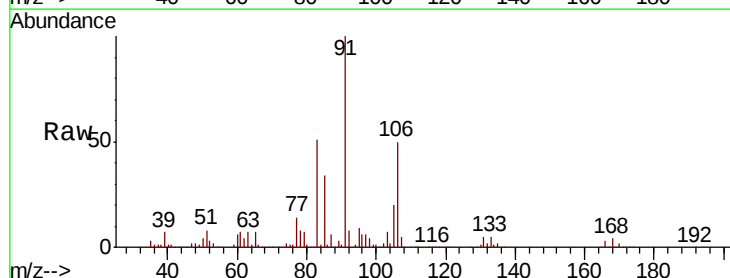
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

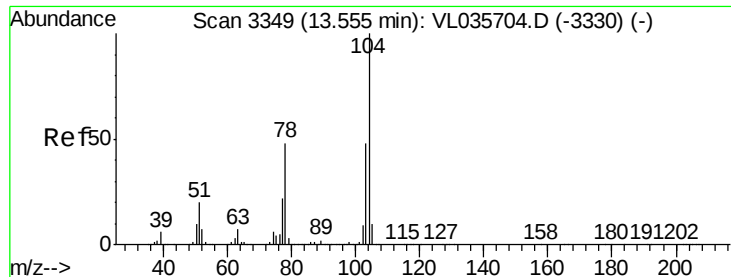
Tot Ion: 91 Resp: 4013462
Ion Ratio Lower Upper
91 100
106 98.9 41.4 62.0#



#60
o-Xylene
Concen: 8.398 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion: 91 Resp: 3937585
Ion Ratio Lower Upper
91 100
106 49.0 25.0 75.0





#61

Stvrene

Concen: 9.310 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

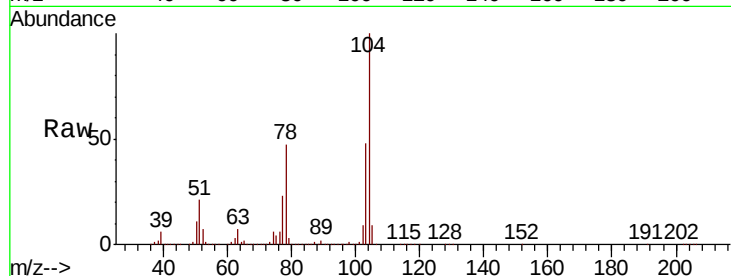
Tot Ion:104 Resp: 3018036

Ion Ratio Lower Upper

104 100

78 47.1 37.2 55.8

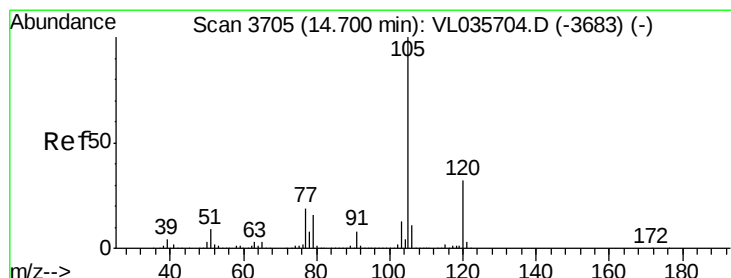
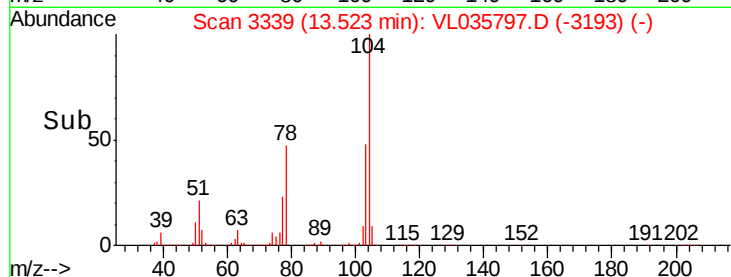
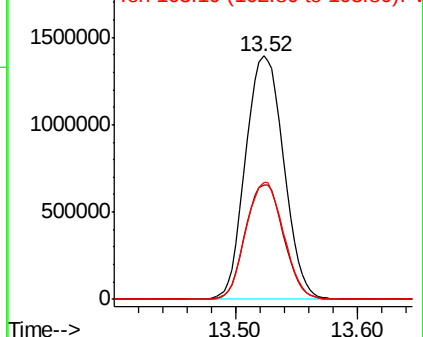
103 47.6 38.2 57.2



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: 8.081 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.04 min

Lab File: VL035797.D

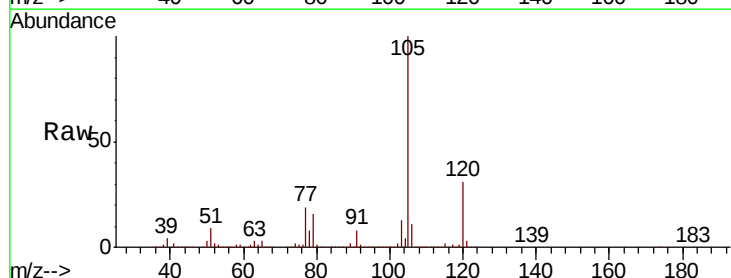
Acq: 19 Oct 2020 17:42

Tgt Ion:105 Resp: 5876365

Ion Ratio Lower Upper

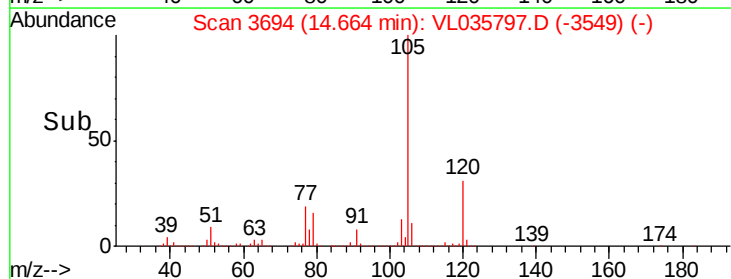
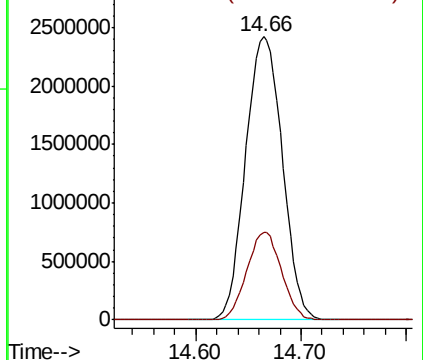
105 100

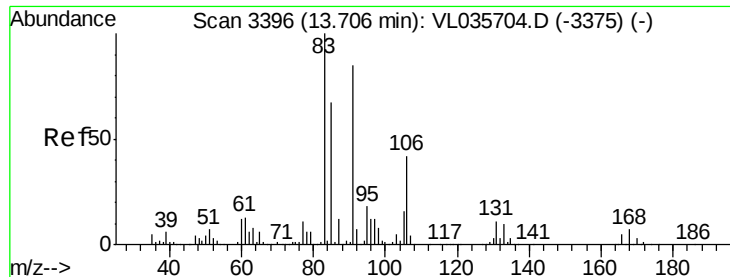
120 29.3 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

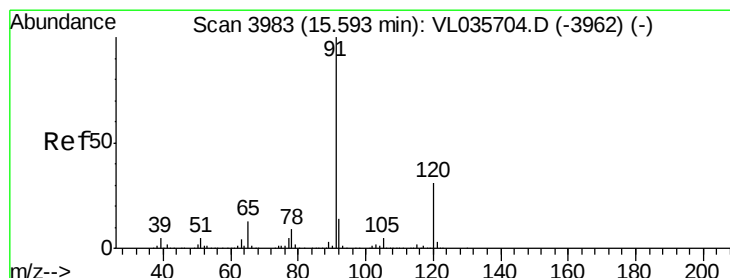
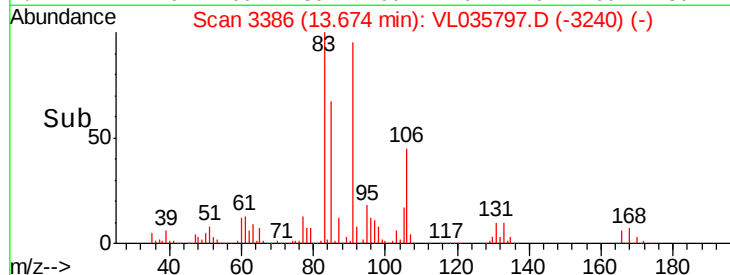
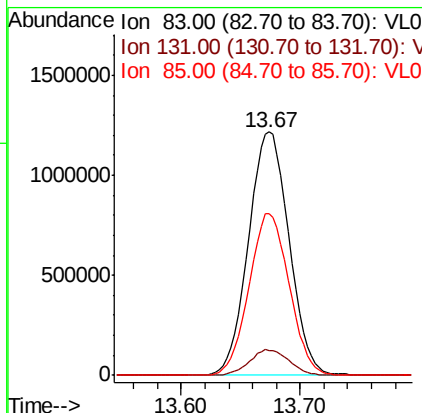
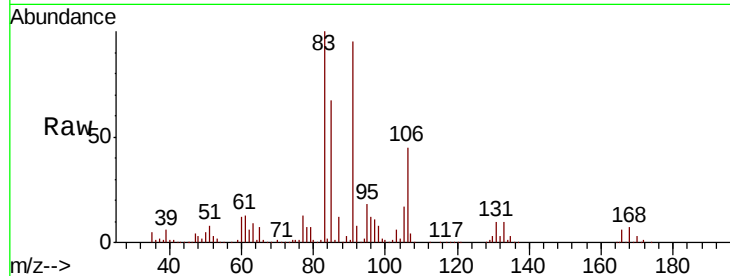




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.465 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

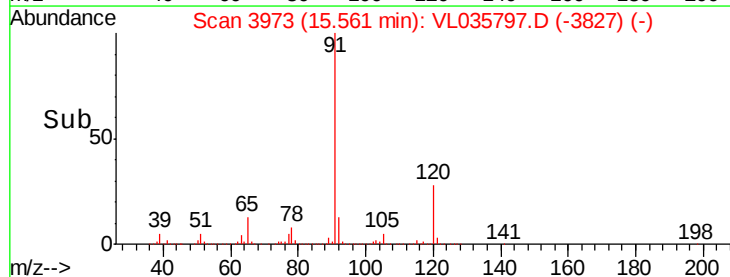
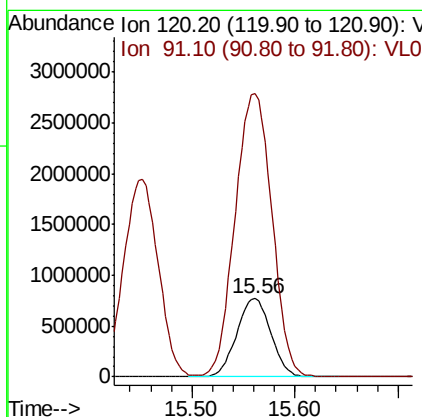
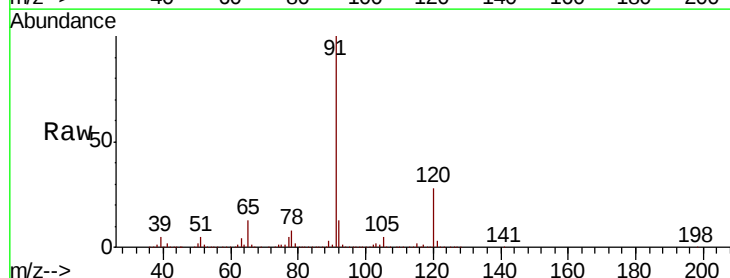
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

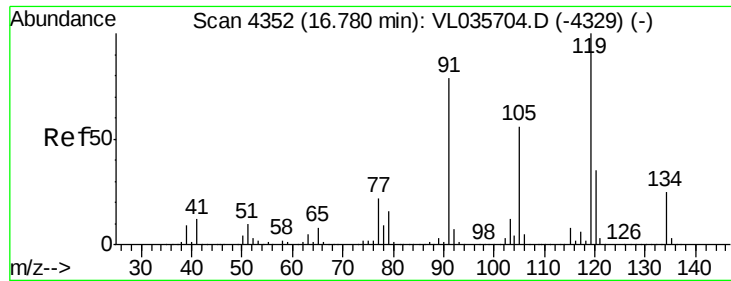
Tot Ion: 83 Resp: 2870111
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.3 16.1
 85 66.2 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.353 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion: 120 Resp: 1777811
 Ion Ratio Lower Upper
 120 100
 91 390.1 300.4 450.6

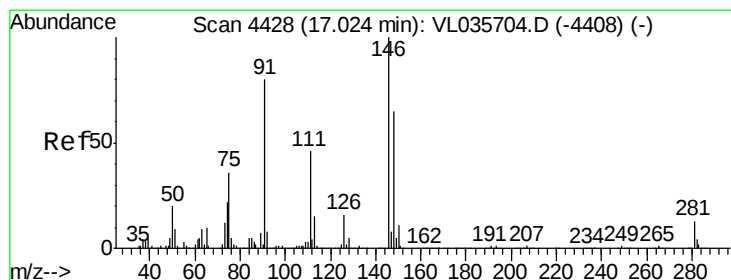
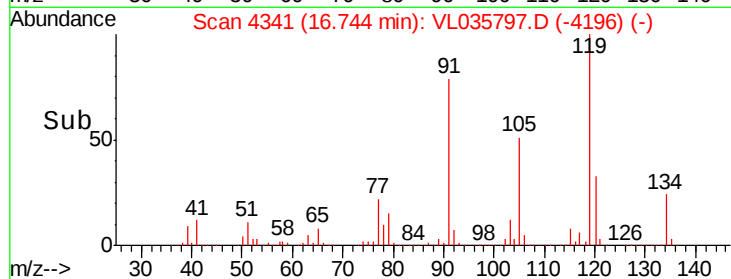
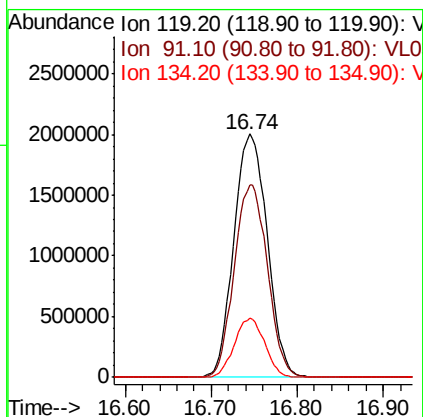
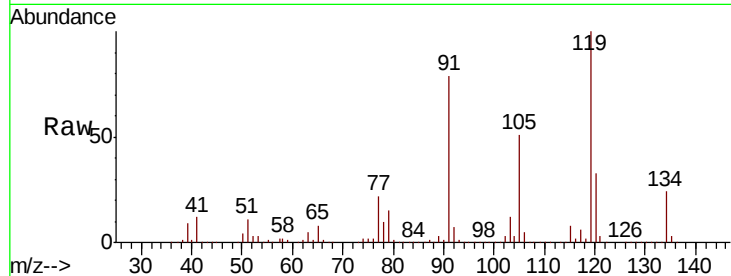




#65
 tert-Butylbenzene
 Concen: 8.165 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.04 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

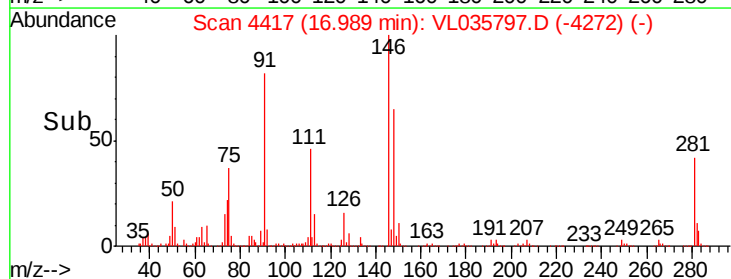
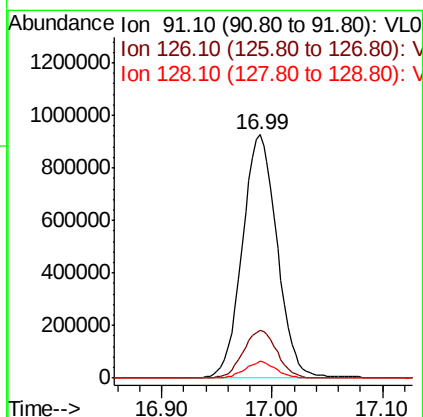
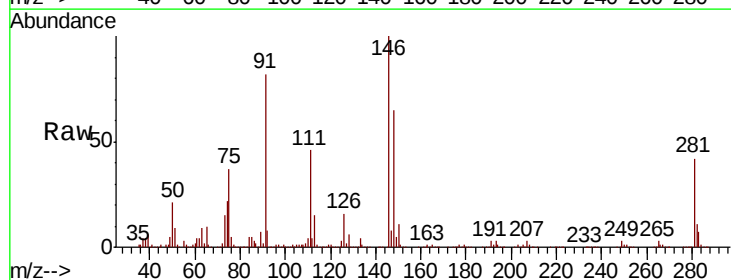
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

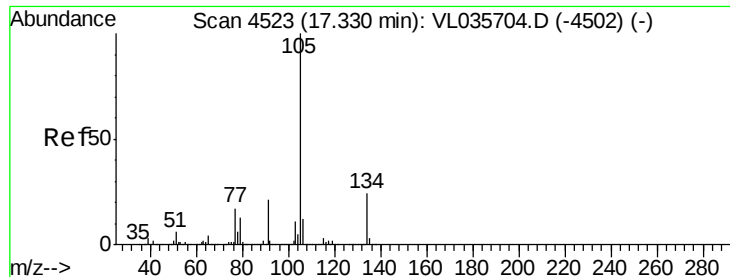
Tot Ion:119 Resp: 5398827
 Ion Ratio Lower Upper
 119 100
 91 78.8 62.4 93.6
 134 22.2 18.2 27.2



#66
 Benzyl Chloride
 Concen: 10.059 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.04 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion: 91 Resp: 2014945
 Ion Ratio Lower Upper
 91 100
 126 19.3 15.3 22.9
 128 6.2 5.0 7.4





#67

sec-Butylbenzene

Concen: 8.037 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

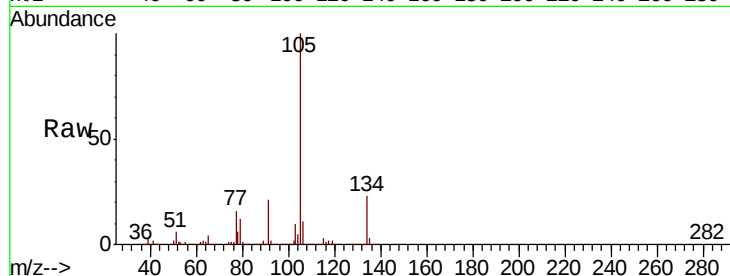
VSTDCCC010EC

Tot Ion:105 Resp: 7338126

Ion Ratio Lower Upper

105 100

134 21.1 17.6 26.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

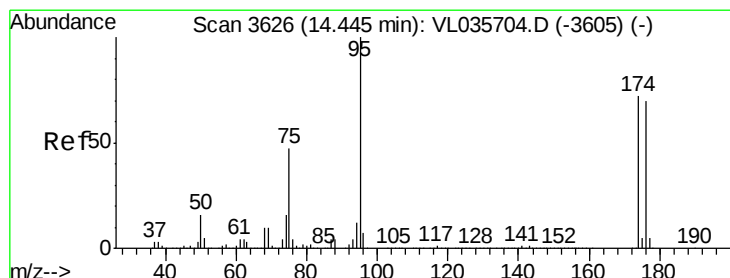
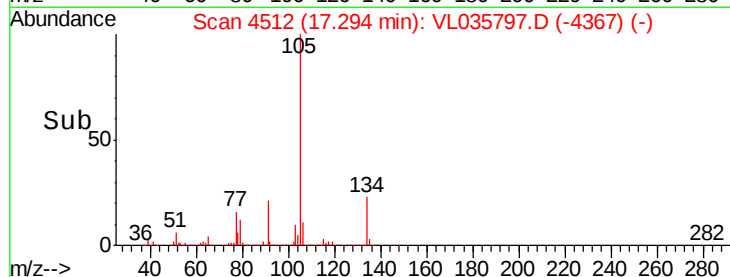
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.107 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.03 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

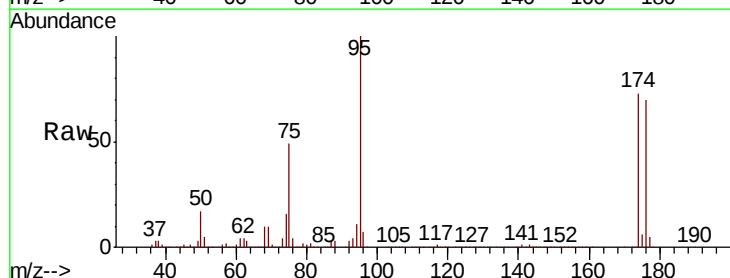
Tgt Ion: 95 Resp: 3212281

Ion Ratio Lower Upper

95 100

174 72.6 59.6 89.4

175 5.2 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

2000000

1500000

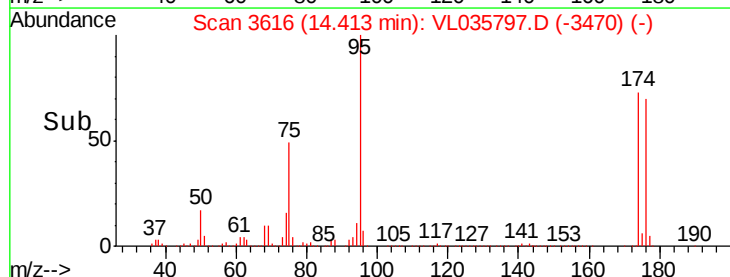
1000000

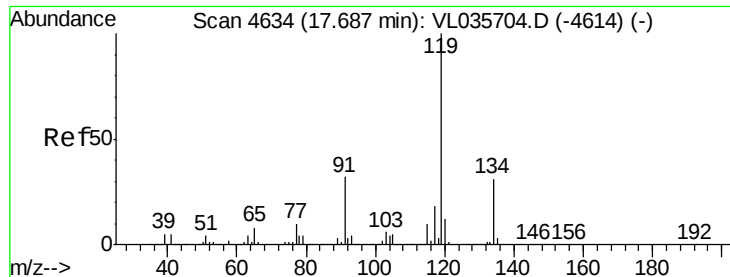
500000

0

14.30 14.40 14.50

Time-->

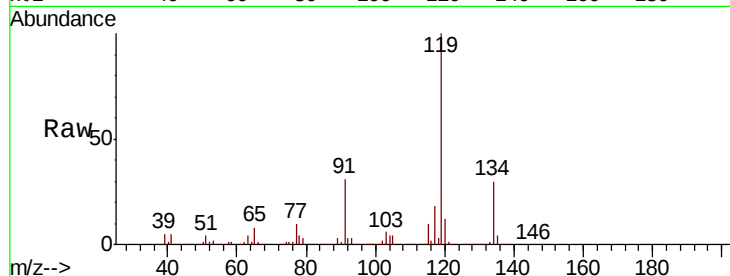




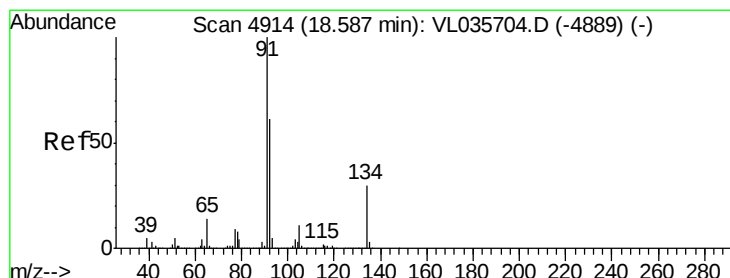
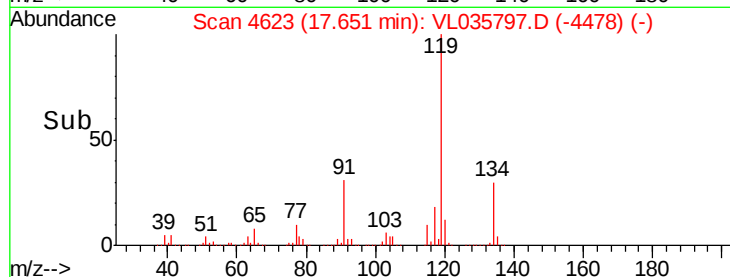
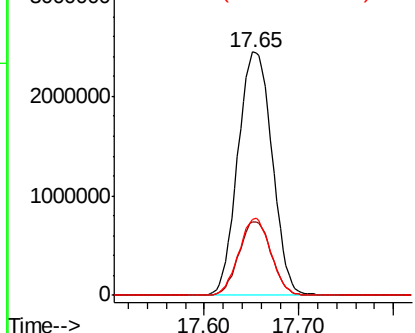
#69
p-Isopropyltoluene
Concen: 8.297 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 6163294
Ion Ratio Lower Upper
119 100
134 28.8 23.9 35.9
91 29.3 23.8 35.6

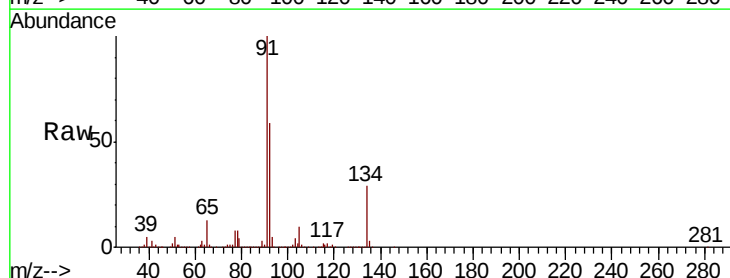


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

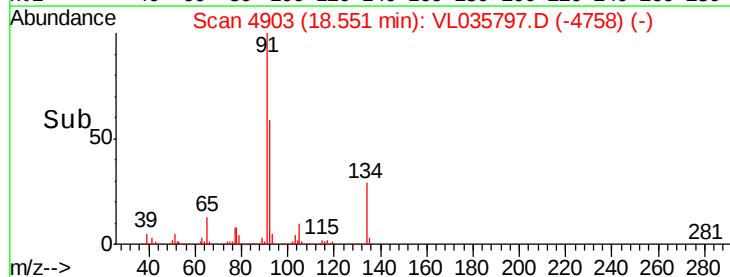
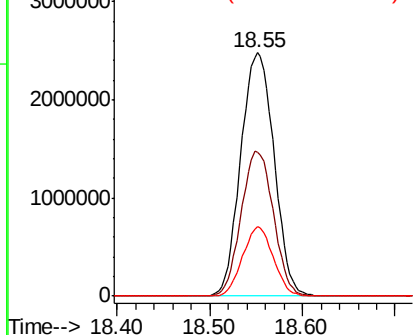


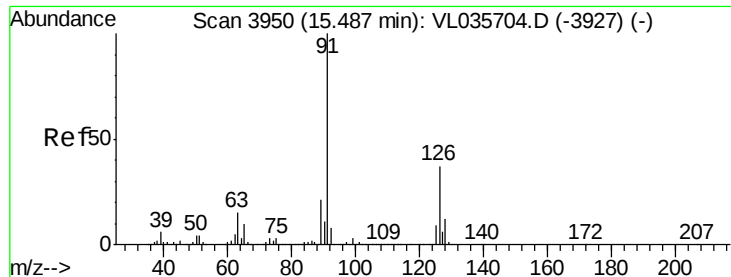
#70
n-Butylbenzene
Concen: 8.097 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion: 91 Resp: 6193274
Ion Ratio Lower Upper
91 100
92 57.8 47.0 70.4
134 26.4 21.9 32.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.517 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

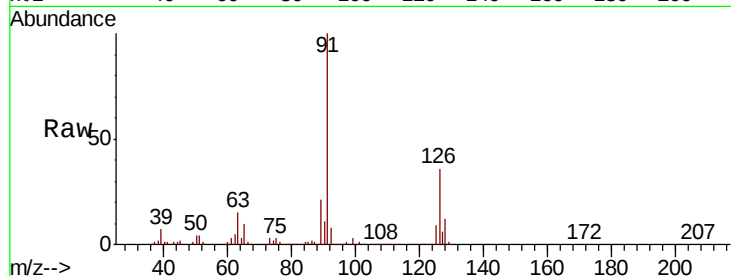
VSTDCCC010EC

Tot Ion: 91 Resp: 4518055

Ion Ratio Lower Upper

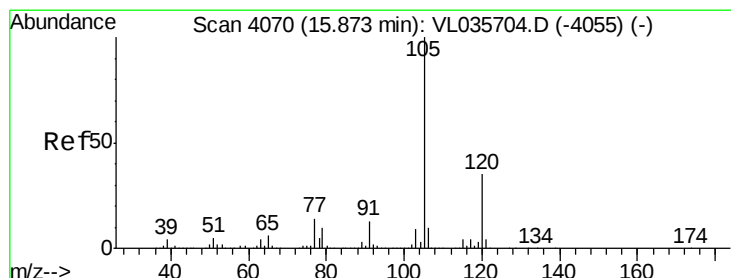
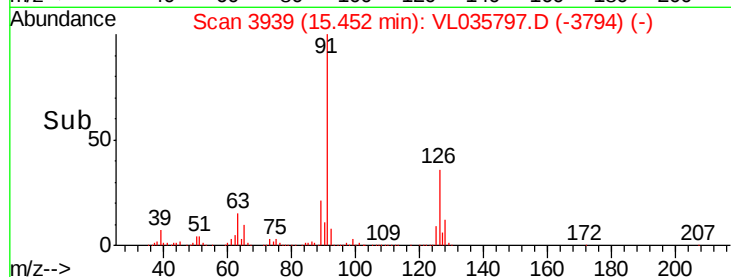
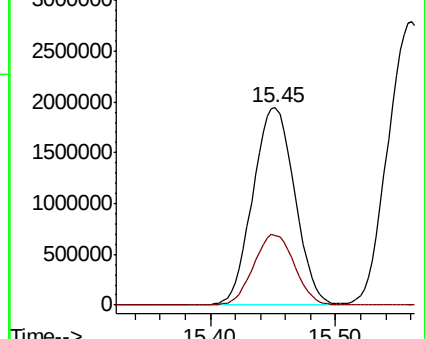
91 100

126 34.8 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: 8.673 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Tgt Ion:105 Resp: 4816854

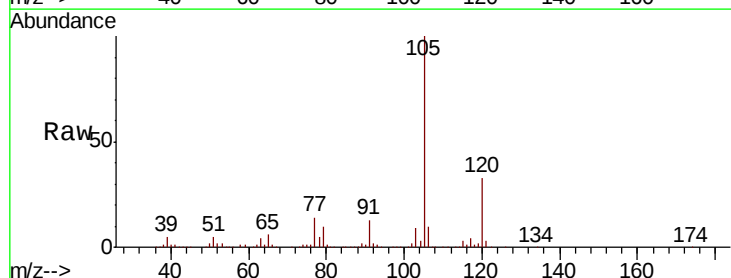
Ion Ratio Lower Upper

105 100

120 33.1 26.5 39.7

91 12.6 10.2 15.2

77 13.2 10.3 15.5

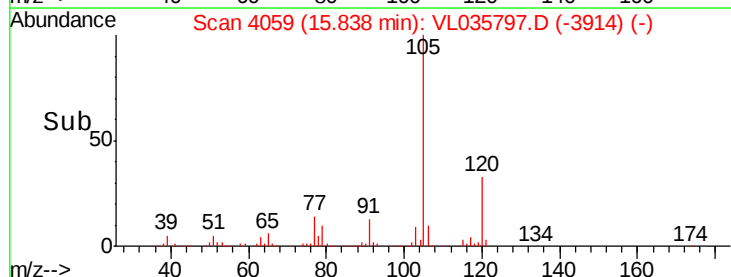
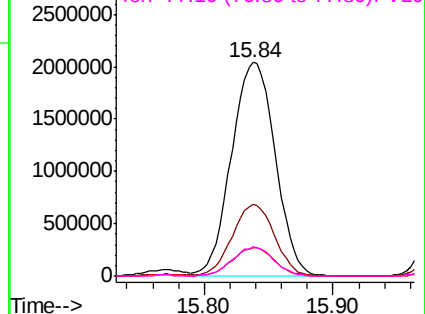


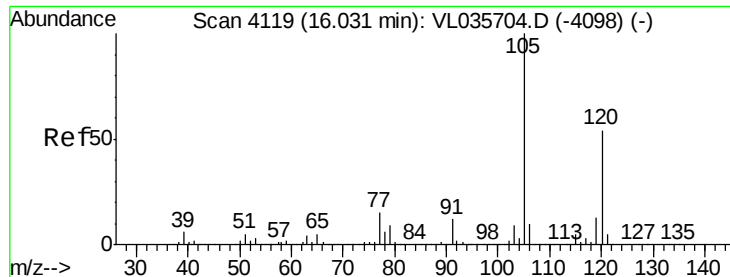
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.498 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

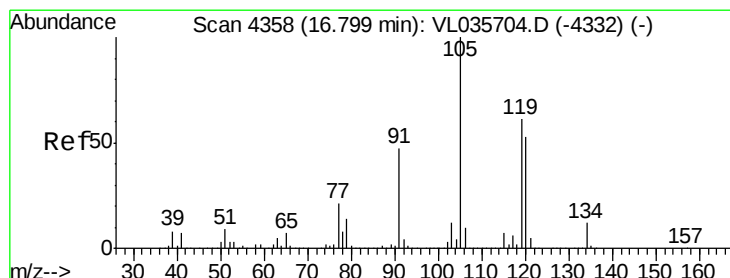
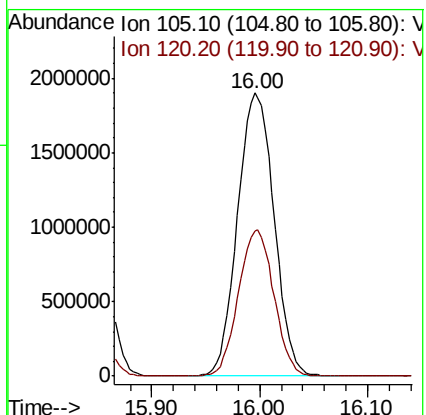
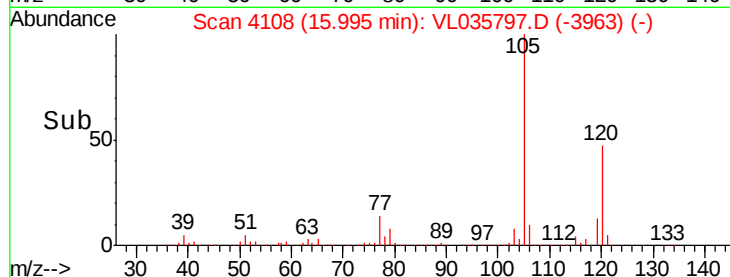
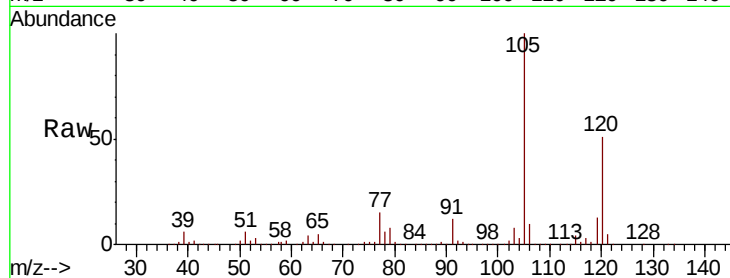
VSTDCCC010EC

Tot Ion:105 Resp: 4460413

Ion Ratio Lower Upper

105 100

120 51.3 43.0 64.4



#74

1,2,4-Trimethylbenzene

Concen: 7.898 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Tgt Ion:105 Resp: 4672728

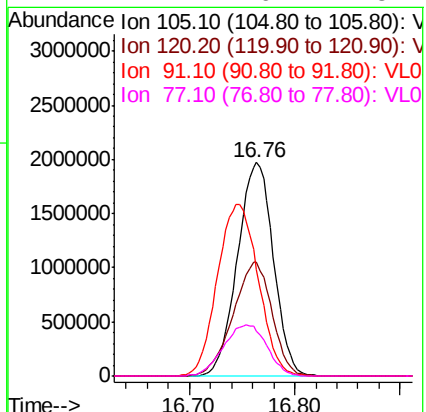
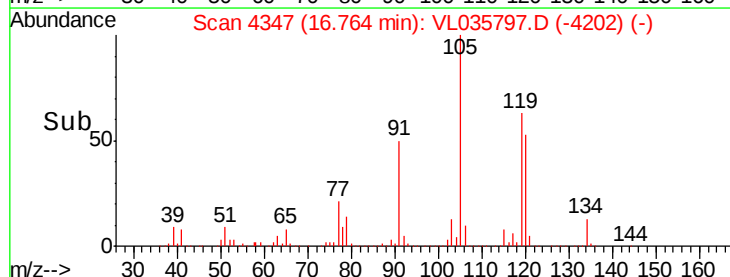
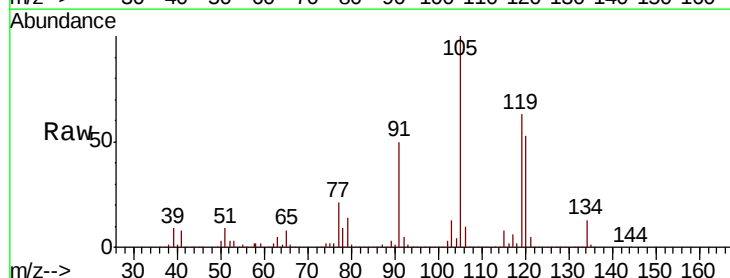
Ion Ratio Lower Upper

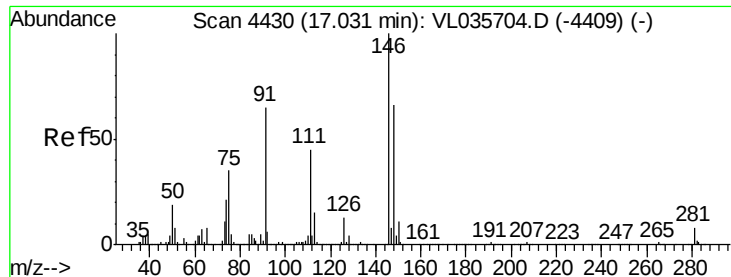
105 100

120 53.4 42.5 63.7

91 49.8 37.7 56.5

77 21.1 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 7.427 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

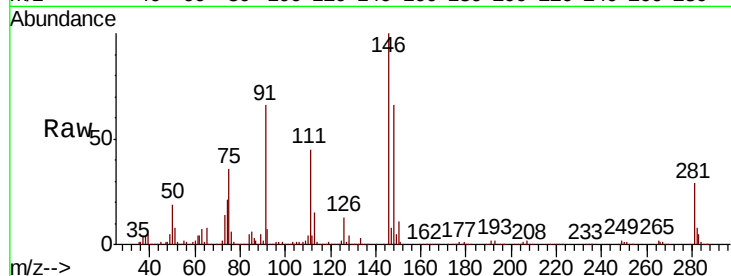
Tot Ion:146 Resp: 2999941

Ion Ratio Lower Upper

146 100

111 44.8 22.4 67.0

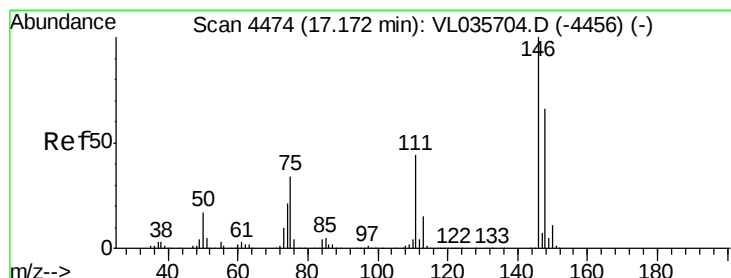
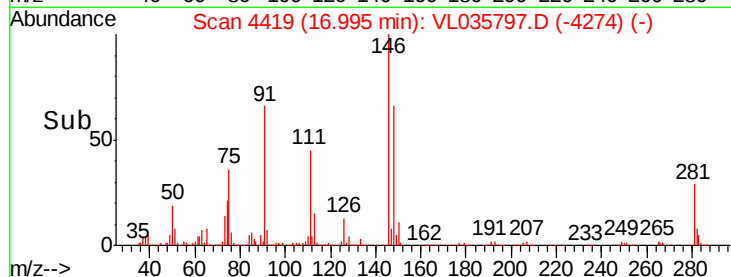
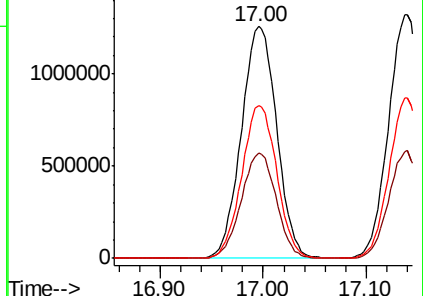
148 65.2 33.0 99.0



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: 7.861 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

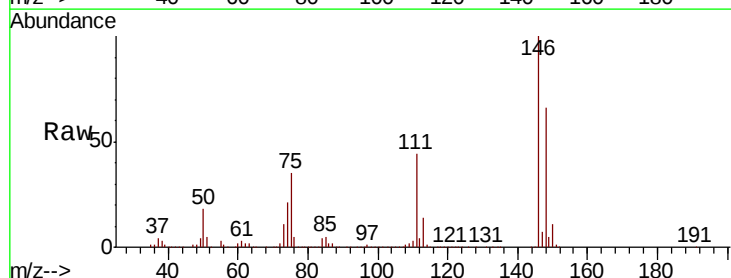
Tgt Ion:146 Resp: 3035298

Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.3

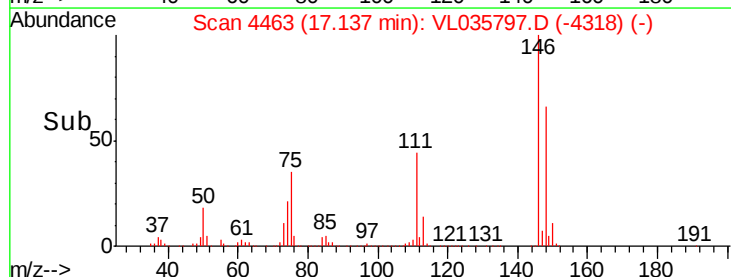
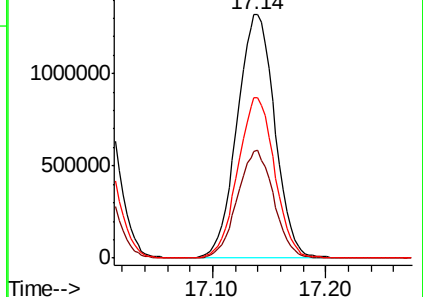
148 65.0 32.6 98.0

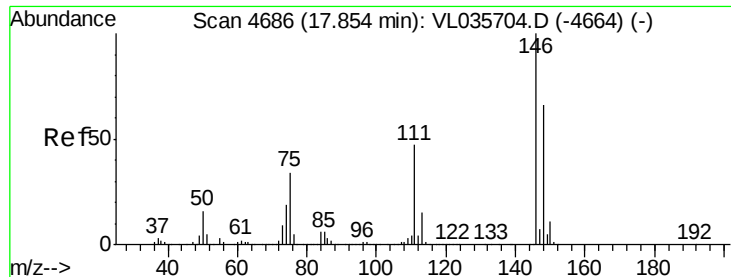


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



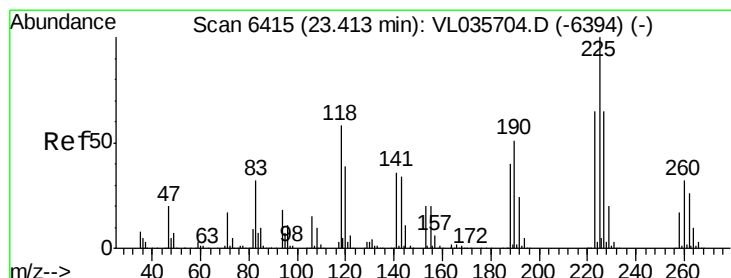
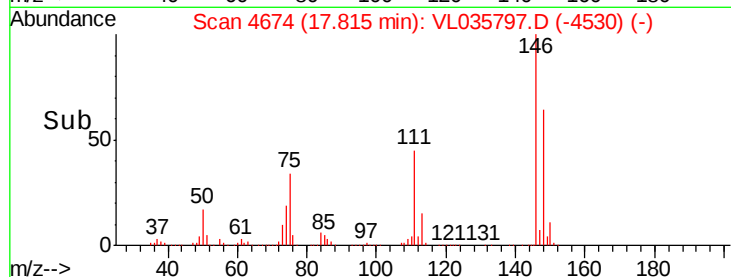
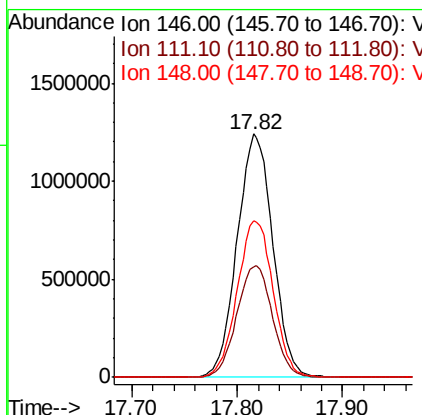
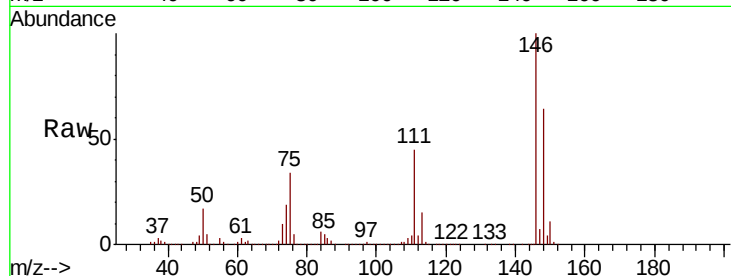


#77
 1,2-Dichlorobenzene
 Concen: 7.633 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.04 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2911981

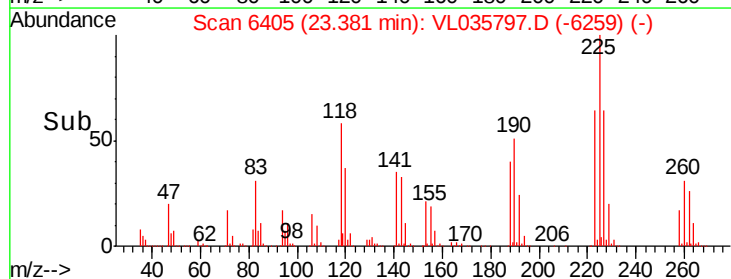
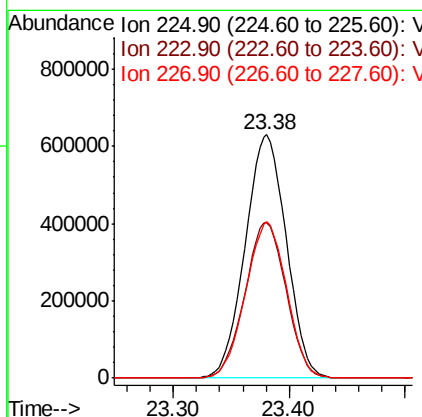
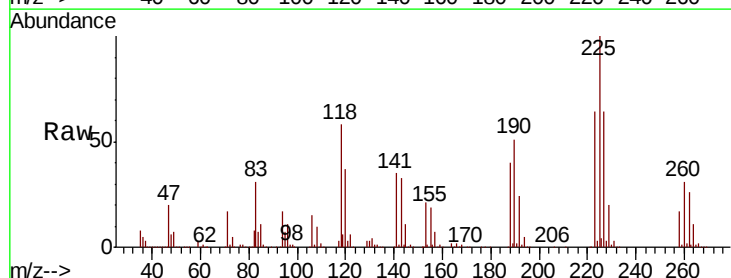
Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.9	68.5
148	65.1	32.6	98.0

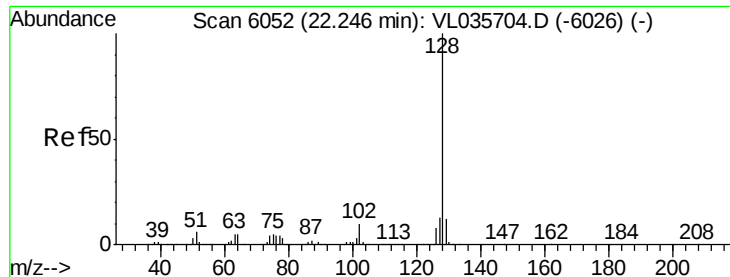


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.376 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.03 min
 Lab File: VL035797.D
 Acq: 19 Oct 2020 17:42

Tgt Ion:225 Resp: 1552626

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.3	76.9
227	64.0	51.6	77.4

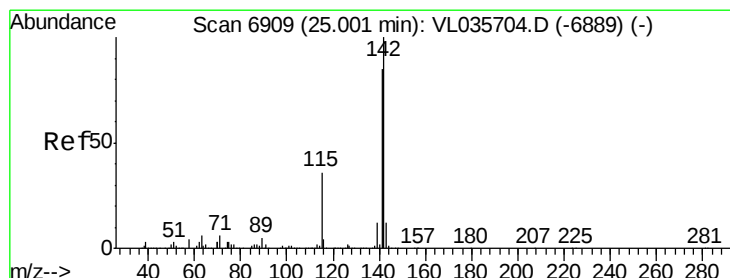
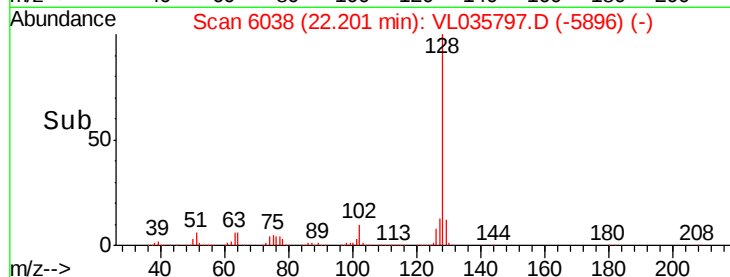
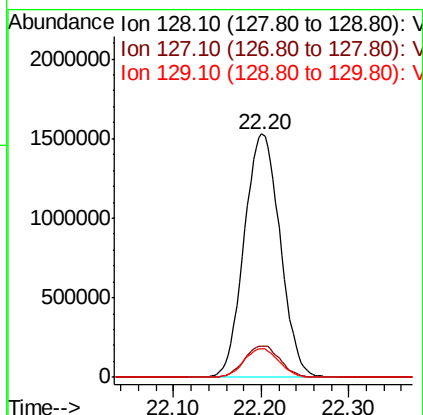
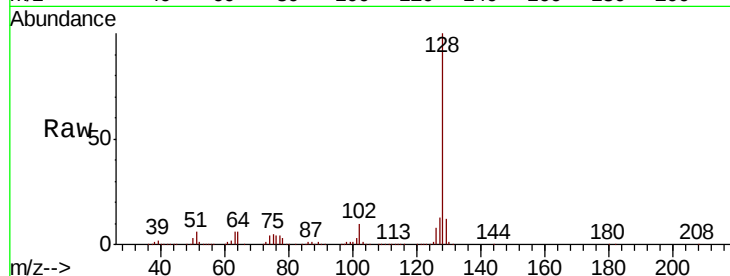




#79
Naphthalene
Concen: 7.710 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. -0.04 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

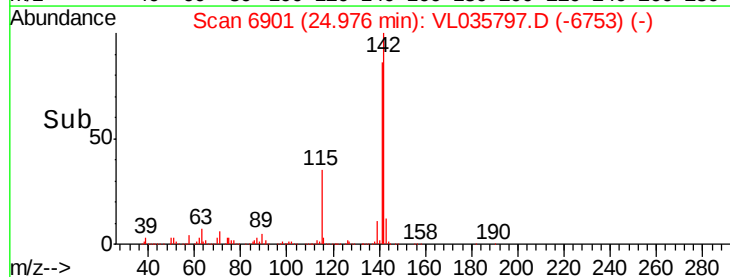
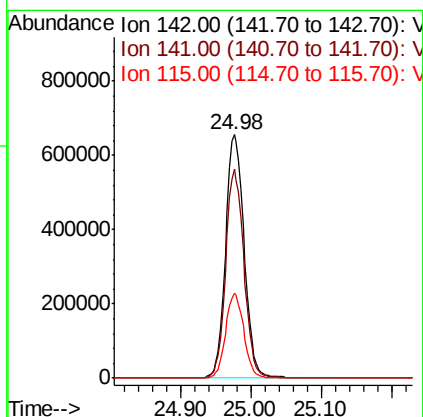
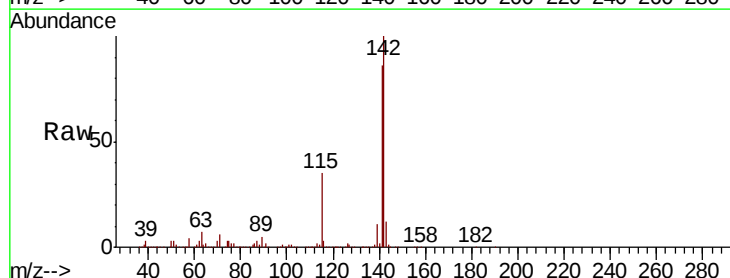
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

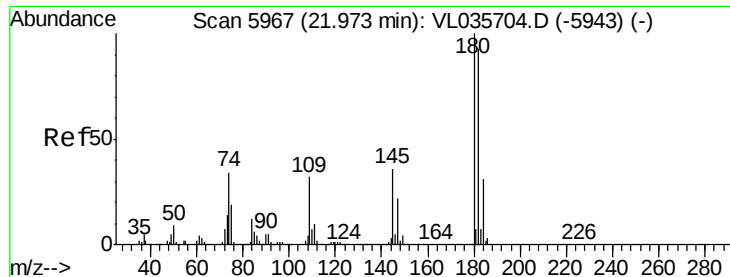
Tot Ion:128 Resp: 4351144
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.9 9.4 14.0



#80
Naphthalene, 2-methyl-
Concen: 9.111 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.03 min
Lab File: VL035797.D
Acq: 19 Oct 2020 17:42

Tgt Ion:142 Resp: 1212766
Ion Ratio Lower Upper
142 100
141 84.3 68.2 102.4
115 34.4 27.8 41.6





#81

1,2,4-Trichlorobenzene

Concen: 7.550 ppbv

RT: 21.93 min Scan# 5954

Delta R.T. -0.04 min

Lab File: VL035797.D

Acq: 19 Oct 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

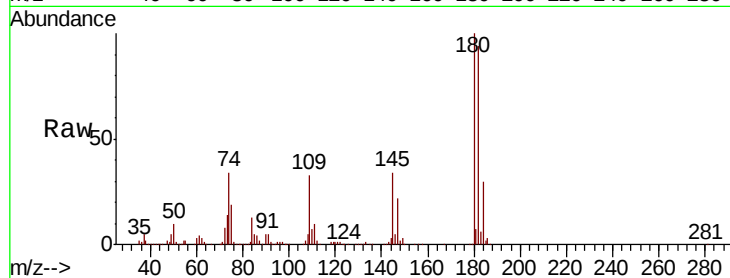
Tot Ion:180 Resp: 2208088

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.8 24.6 37.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

