

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035970.D
 Acq On : 18 Nov 2020 10:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 19 08:09:58 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	1178821	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4575062	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	5584419	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	3328712	8.39	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1635958	7.371	ppbv	99
3) Chlorodifluoromethane	2.96	51	1342192	9.508	ppbv	99
4) Chloromethane	3.11	50	666810	9.723	ppbv	100
5) Vinyl Chloride	3.23	62	854821	9.778	ppbv	98
6) Bromomethane	3.45	94	701616	9.979	ppbv	100
7) Chloroethane	3.53	64	320723	10.424	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	2438000	9.599	ppbv	95
9) Propene	2.98	41	507808	9.828	ppbv	99
10) Heptane	8.09	43	1445113	10.126	ppbv	99
11) Trichlorofluoromethane	3.92	101	2743291	9.844	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2081254	10.031	ppbv	95
13) Ethanol	3.58	45	95493	8.519	ppbv	94
14) Bromoethene	3.71	108	920364	9.638	ppbv	99
15) Acetone	3.82	43	1170353	9.287	ppbv	98
16) 1,3-Butadiene	3.30	39	520953	9.601	ppbv	98
17) tert-Butyl alcohol	4.26	59	1618591	9.691	ppbv	99
18) 1,1-Dichloroethene	4.26	96	966783	10.148	ppbv	98
19) Isopropyl Alcohol	3.94	45	751758	9.707	ppbv	99
20) Methylene Chloride	4.31	84	794872	8.959	ppbv	99
21) Allyl Chloride	4.38	41	707956	10.388	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	967303	10.016	ppbv	98
23) Vinyl Acetate	5.04	43	1692133	9.579	ppbv	100
24) 1,1-Dichloroethane	4.98	63	1672890	9.940	ppbv	99
25) Ethyl Acetate	5.65	43	2484752	10.008	ppbv	100
26) Hexane	5.65	57	1329789	9.712	ppbv	100
27) Carbon Disulfide	4.52	76	2114228	10.305	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	2297381	9.343	ppbv	100
29) Chloroform	5.72	83	2601860	9.668	ppbv	98
30) Cyclohexane	7.10	84	1409269	9.450	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1377023	9.776	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2513233	8.949	ppbv	99
34) 2-Butanone	5.21	43	1590084	10.709	ppbv	99
35) Carbon Tetrachloride	6.99	117	2496531	10.213	ppbv	100
36) Benzene	6.86	78	3316954	9.752	ppbv	100
37) 1,2-Dichloroethane	6.28	62	1624954	10.546	ppbv	100
38) Trichloroethene	7.80	130	1521359	9.157	ppbv	95
39) 1,2-Dichloropropane	7.58	63	1146906	10.016	ppbv	97
40) 1,4-Dioxane	7.80	88	546137	10.063	ppbv	99
41) Tetrahydrofuran	6.02	42	924995	10.965	ppbv	100
42) Bromodichloromethane	7.76	83	2700954	10.388	ppbv	99
43) Methyl Methacrylate	7.98	69	1366808	10.535	ppbv	99

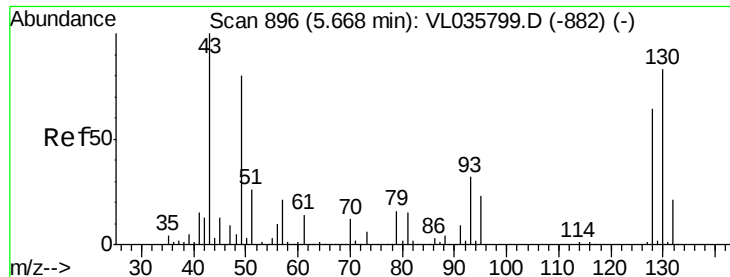
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4536547	10.079	ppbv	100
45) t-1,3-Dichloropropene	9.25	75	1448172	10.530	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1804293	10.359	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1545805	9.907	ppbv	98
48) Dibromochloromethane	10.27	129	2465752	10.344	ppbv	100
49) Bromoform	13.01	173	2025484	10.070	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2429586	10.701	ppbv	100
51) 2-Hexanone	10.10	43	1961510	10.755	ppbv	99
52) Tetrachloroethene	11.19	164	1387007	8.607	ppbv	96
53) Toluene	9.77	91	4004115	9.756	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2340511	9.863	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1915335	7.642	ppbv #	92
57) Chlorobenzene	12.11	112	3200045	7.207	ppbv	99
58) Ethyl Benzene	12.68	91	5114005	7.519	ppbv	99
59) m/p-Xylene	12.96	91	4699197	8.166	ppbv #	39
60) o-Xylene	13.66	91	4228086	7.553	ppbv	100
61) Styrene	13.50	104	3198133	7.797	ppbv	100
62) Isopropylbenzene	14.64	105	6306111	7.167	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3022579	6.969	ppbv	100
64) n-propylbenzene	15.53	120	1858704	7.309	ppbv	98
65) tert-Butylbenzene	16.72	119	5580931	6.969	ppbv	100
66) Benzyl Chloride	16.96	91	1962324	7.413	ppbv	99
67) sec-Butylbenzene	17.27	105	7543871	6.990	ppbv	99
69) p-Isopropyltoluene	17.63	119	6189021	6.949	ppbv	99
70) n-Butylbenzene	18.52	91	6086542	7.097	ppbv	100
71) 2-Chlorotoluene	15.42	91	4725792	7.343	ppbv	99
72) 4-Ethyltoluene	15.81	105	4955735	7.299	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4567017	7.351	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4732928	7.109	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2921026	6.891	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2873497	7.027	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2817939	6.820	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1280574	6.642	ppbv	100
79) Naphthalene	22.17	128	3164069	6.818	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	512472	6.776	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1666345	6.427	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

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VSTDCCC010

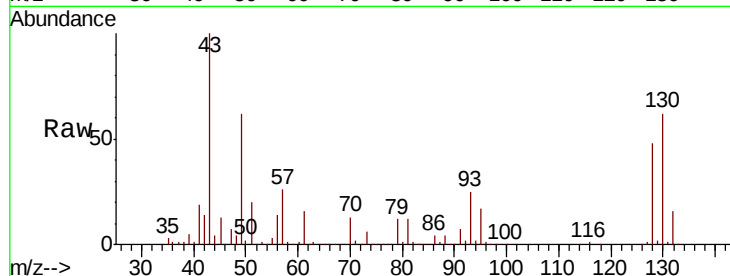
Tot Ion: 49 Resp: 1178821

Ion Ratio Lower Upper

49 100

128 82.1 41.5 124.6

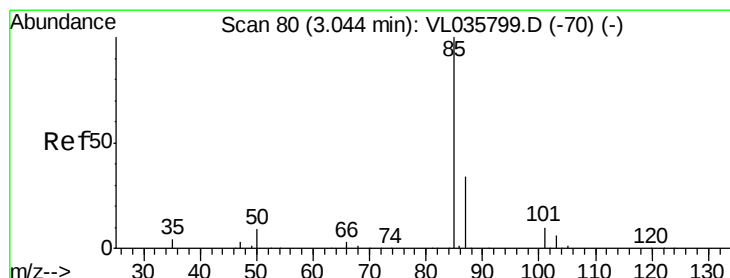
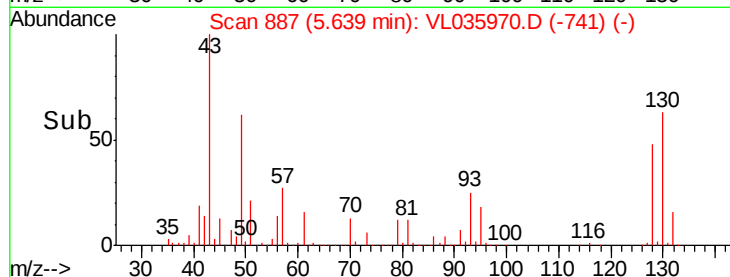
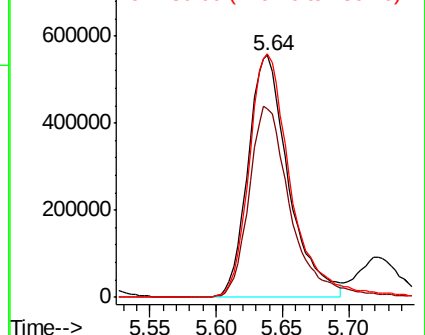
130 105.1 53.7 161.1



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: 7.371 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035970.D

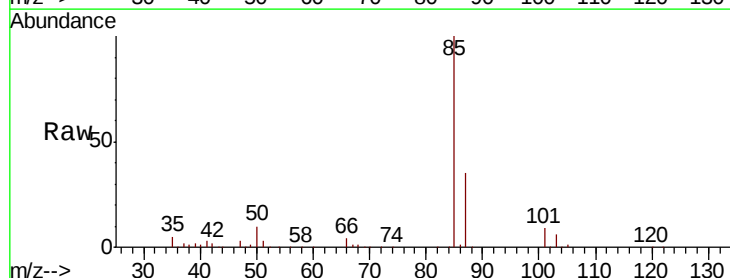
Acq: 18 Nov 2020 10:19

Tgt Ion: 85 Resp: 1635958

Ion Ratio Lower Upper

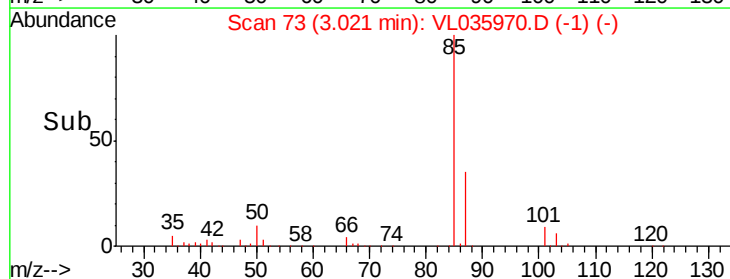
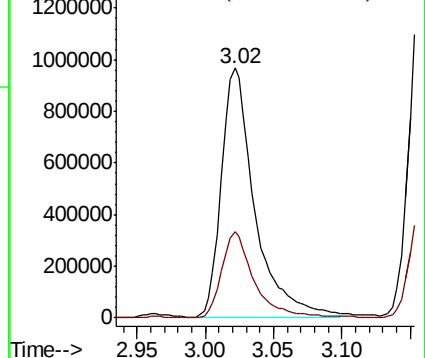
85 100

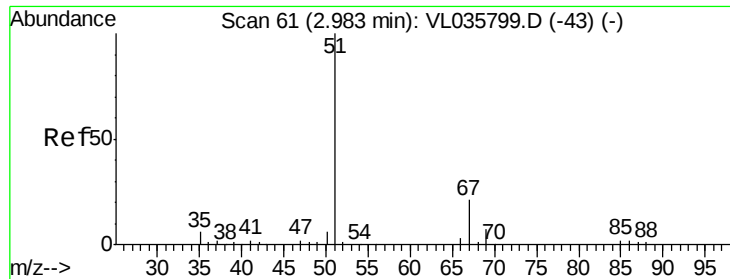
87 34.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.508 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

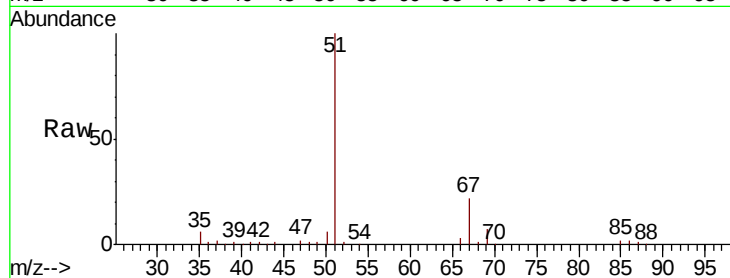
VSTDCCC010

Tot Ion: 51 Resp: 1342192

Ion Ratio Lower Upper

51 100

67 21.4 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

800000

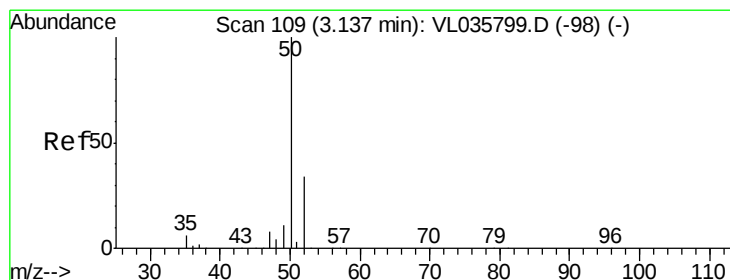
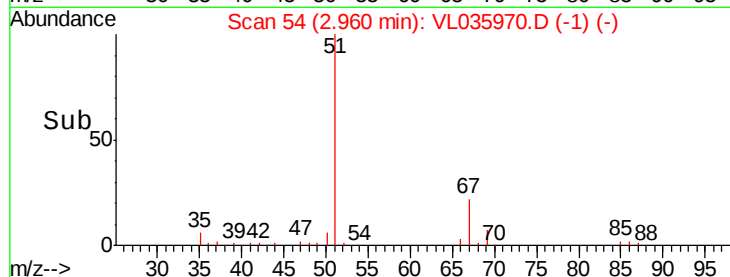
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.723 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035970.D

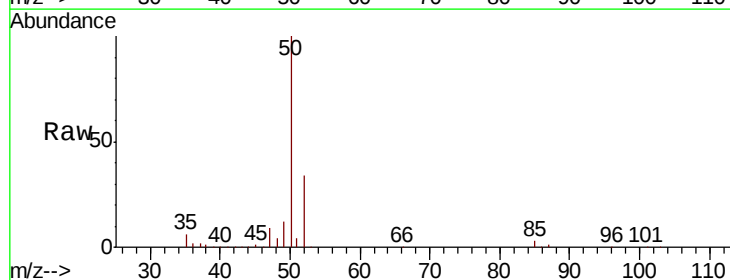
Acq: 18 Nov 2020 10:19

Tgt Ion: 50 Resp: 666810

Ion Ratio Lower Upper

50 100

52 33.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.11

400000

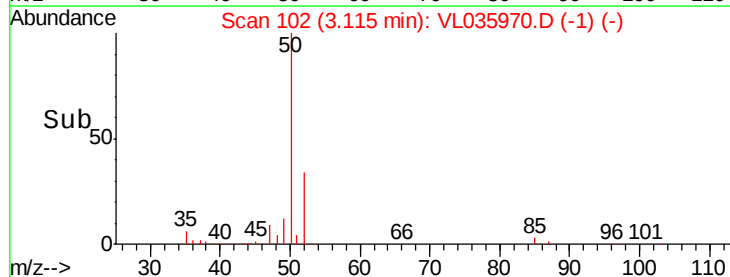
300000

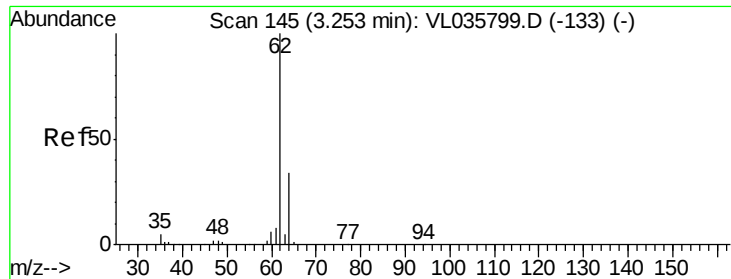
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.778 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

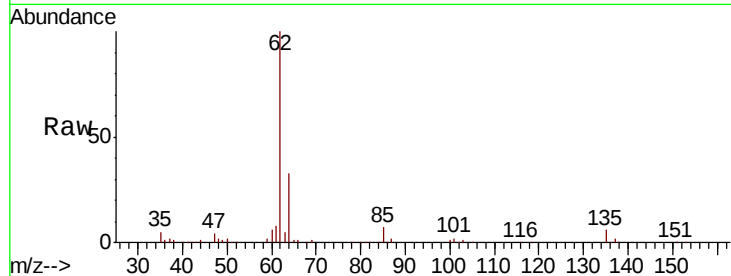
VSTDCCC010

Tot Ion: 62 Resp: 854821

Ion Ratio Lower Upper

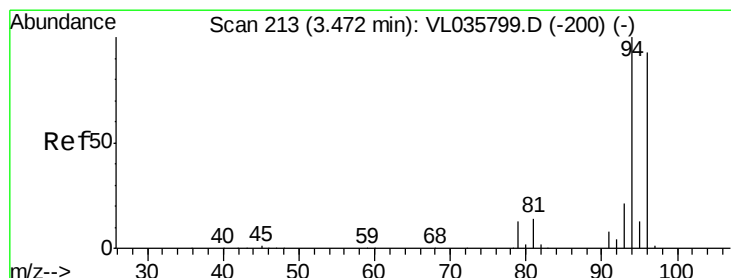
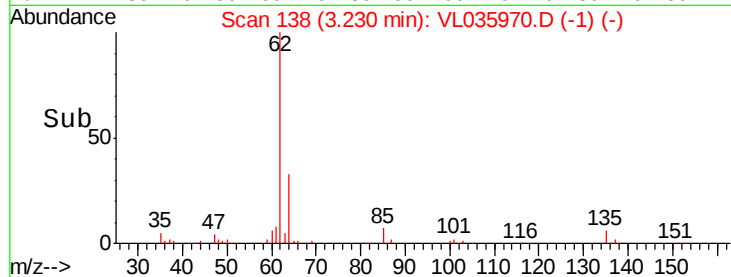
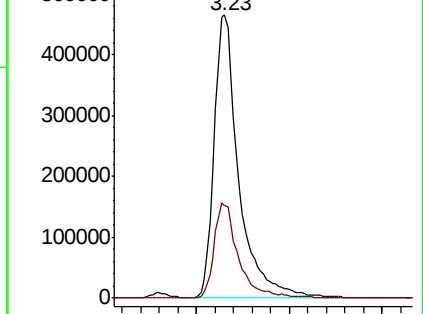
62 100

64 32.6 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.979 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035970.D

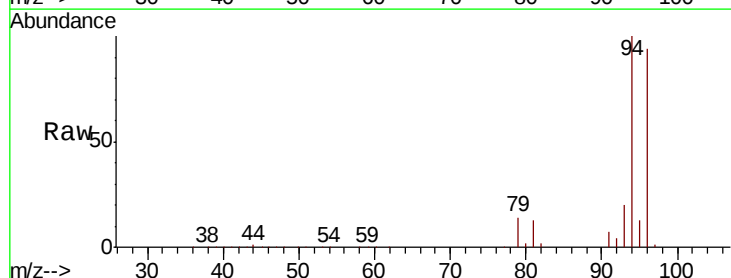
Acq: 18 Nov 2020 10:19

Tgt Ion: 94 Resp: 701616

Ion Ratio Lower Upper

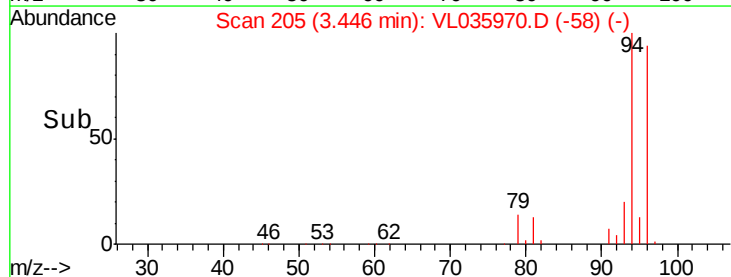
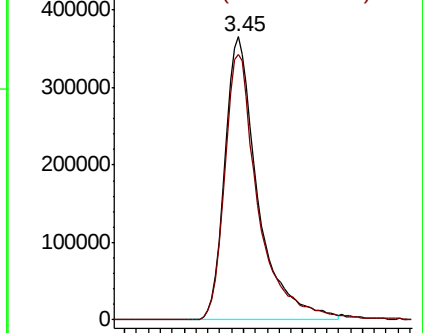
94 100

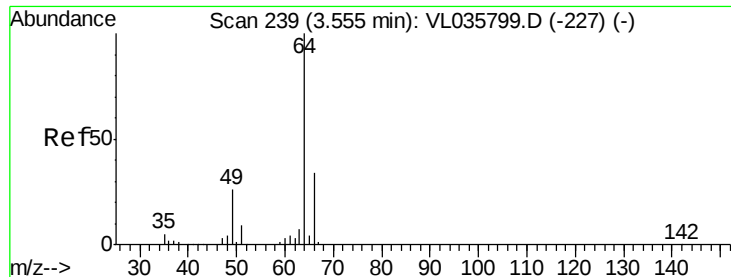
96 93.7 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.424 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

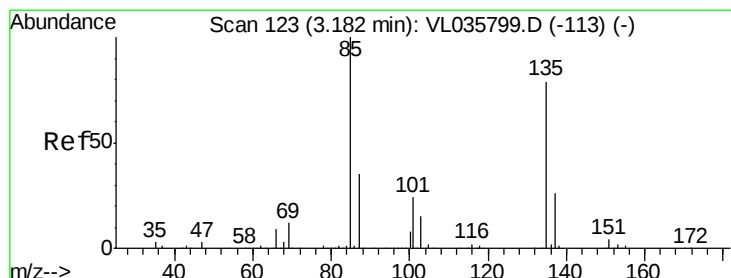
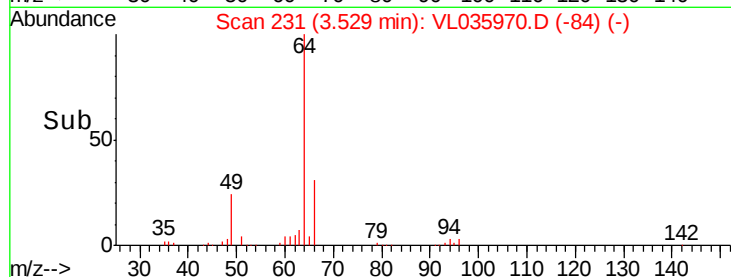
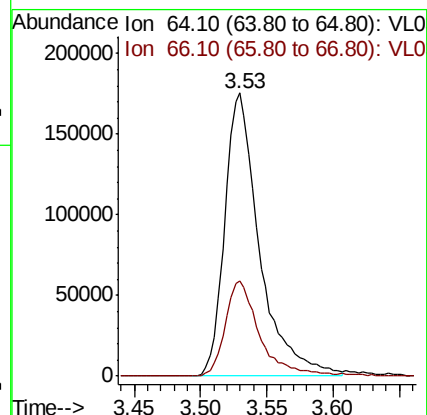
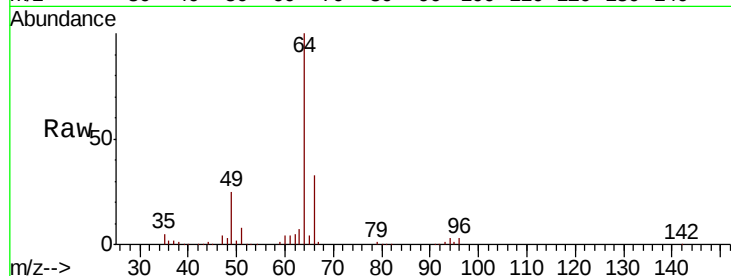
VSTDCCC010

Tot Ion: 64 Resp: 320723

Ion Ratio Lower Upper

64 100

66 33.4 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 9.599 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.02 min

Lab File: VL035970.D

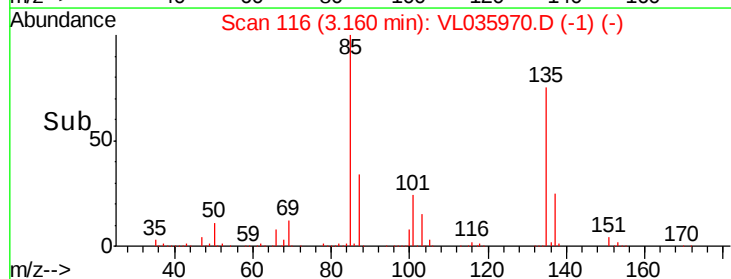
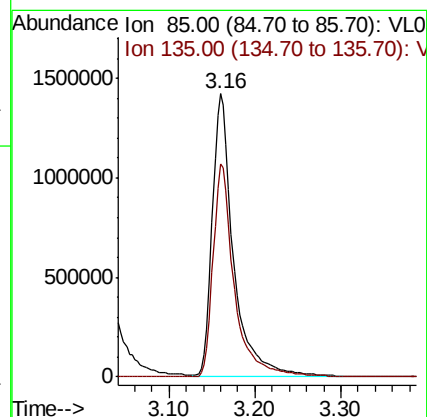
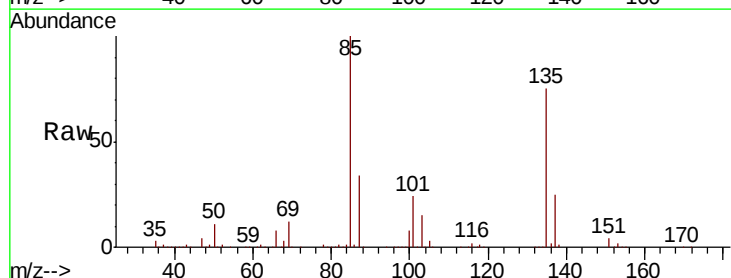
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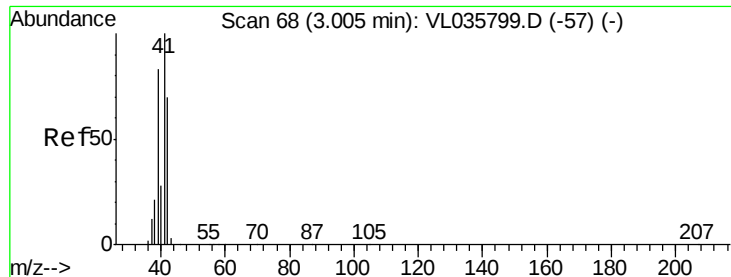
Tgt Ion: 85 Resp: 2438000

Ion Ratio Lower Upper

85 100

135 76.7 64.6 96.8





#9

Propene

Concen: 9.828 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

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ClientSampleId :

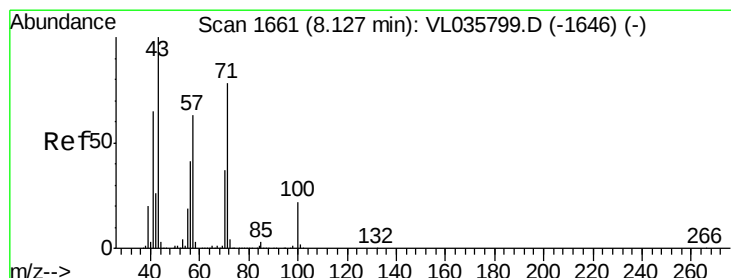
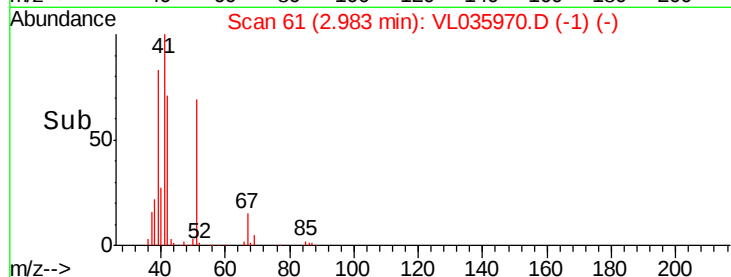
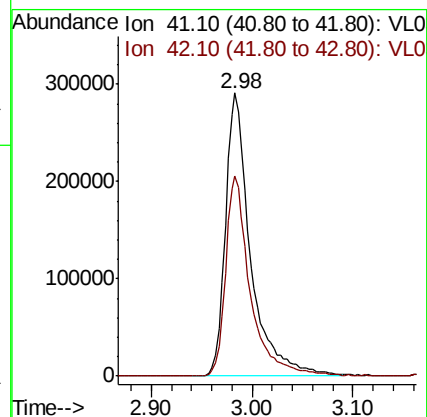
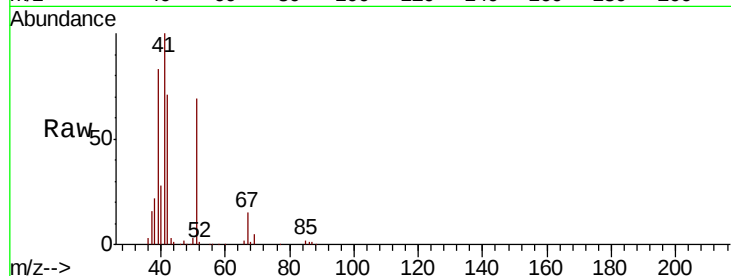
VSTDCCC010

Tot Ion: 41 Resp: 507808

Ion Ratio Lower Upper

41 100

42 69.8 56.2 84.4



#10

Heptane

Concen: 10.126 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035970.D

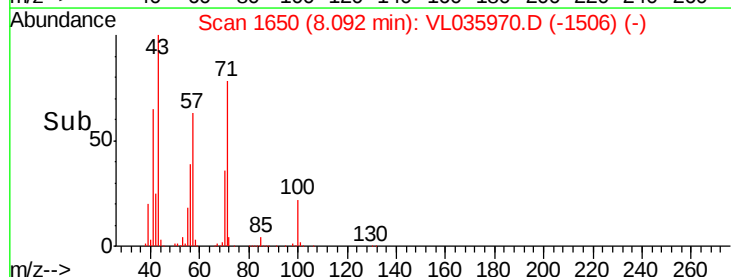
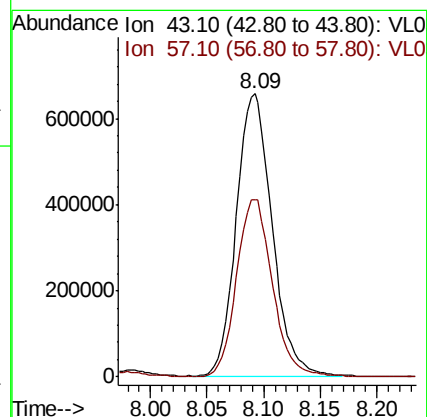
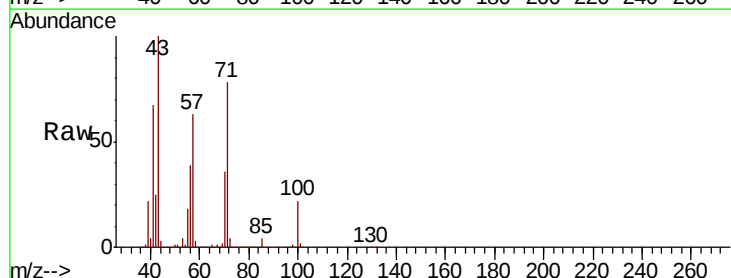
Acq: 18 Nov 2020 10:19

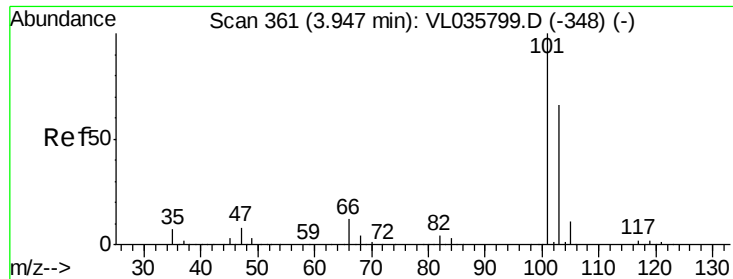
Tgt Ion: 43 Resp: 1445113

Ion Ratio Lower Upper

43 100

57 63.5 50.0 75.0

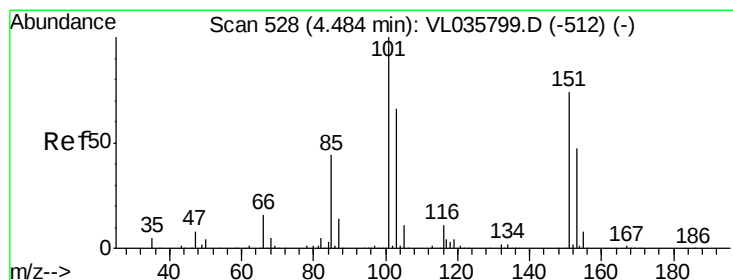
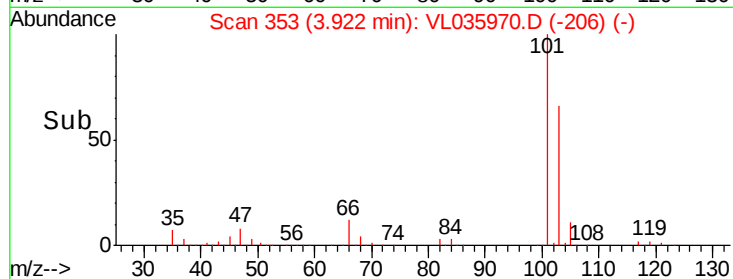
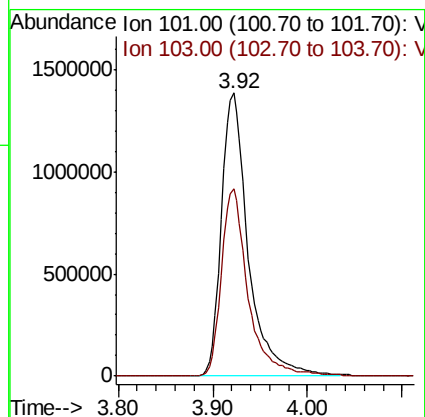
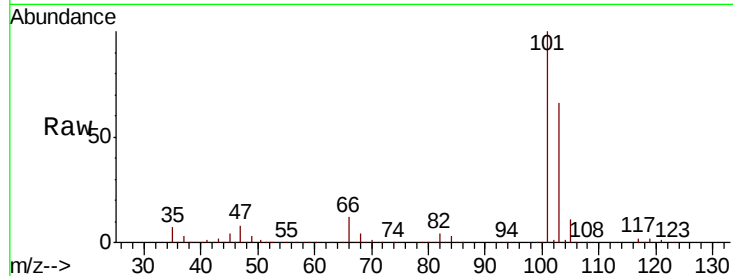




#11
 Trichlorofluoromethane
 Concen: 9.844 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

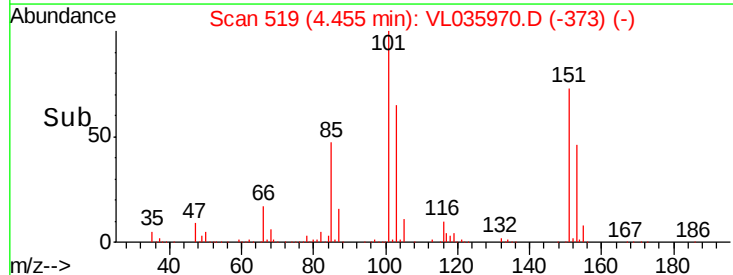
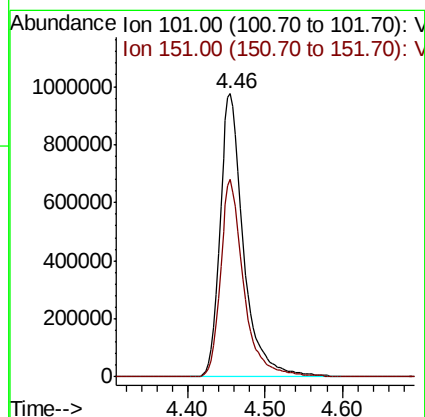
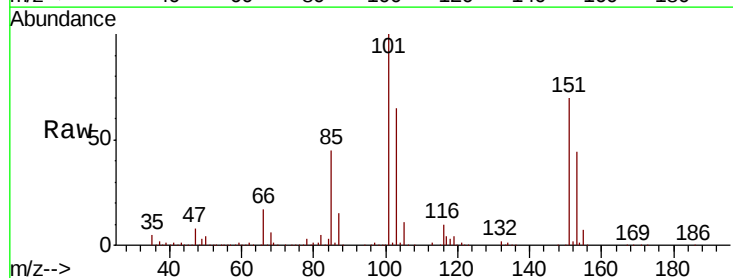
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

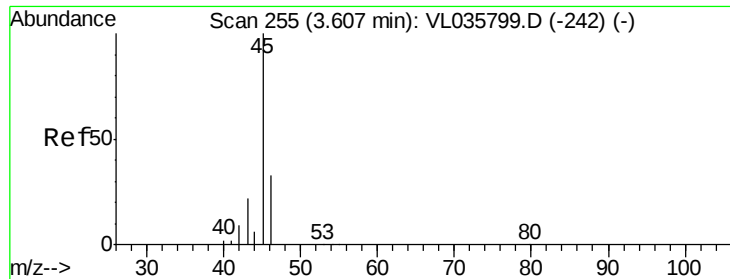
Tot Ion:101 Resp: 2743291
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.031 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion:101 Resp: 2081254
 Ion Ratio Lower Upper
 101 100
 151 69.0 58.9 88.3





#13

Ethanol

Concen: 8.519 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

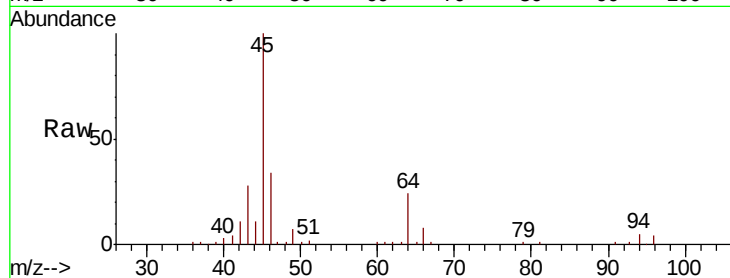
VSTDCCC010

Tot Ion: 45 Resp: 95493

Ion Ratio Lower Upper

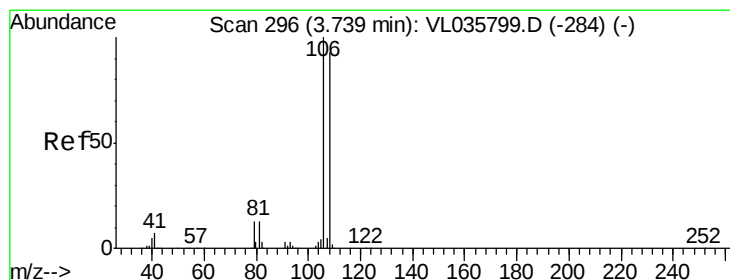
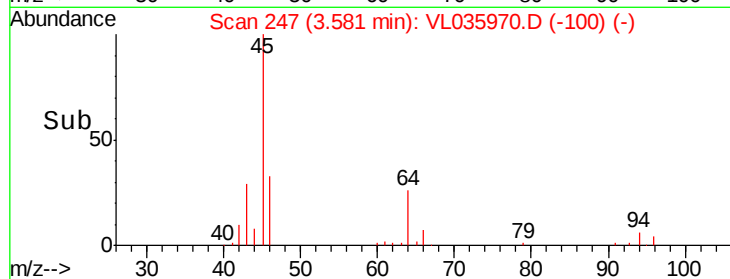
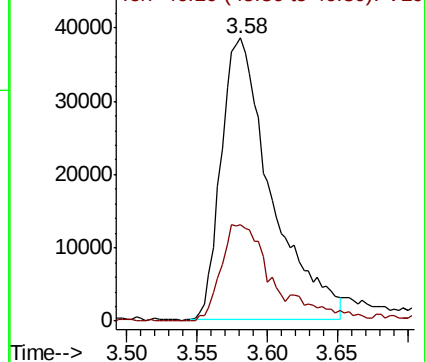
45 100

46 36.5 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.638 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

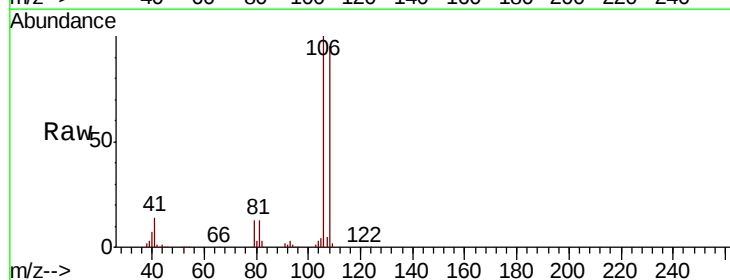
Tgt Ion: 108 Resp: 920364

Ion Ratio Lower Upper

108 100

106 107.3 85.3 127.9

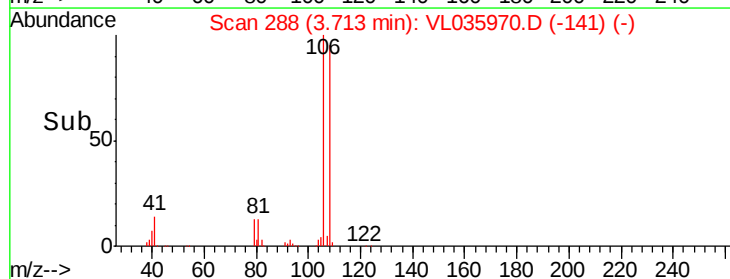
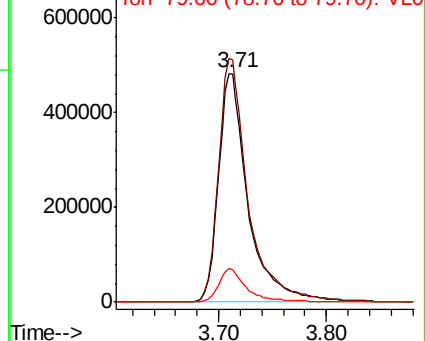
79 14.4 11.6 17.4

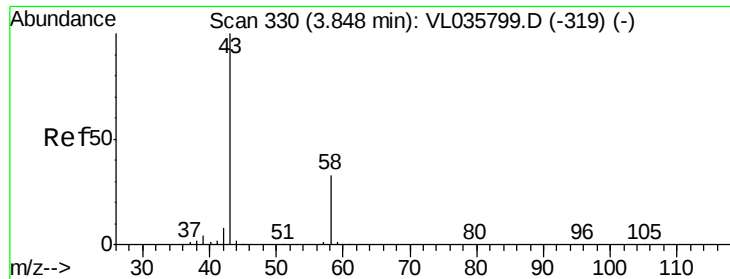


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.287 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

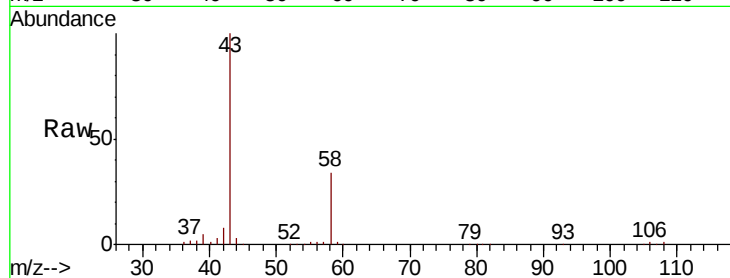
VSTDCCC010

Tot Ion: 43 Resp: 1170353

Ion Ratio Lower Upper

43 100

58 35.4 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

600000

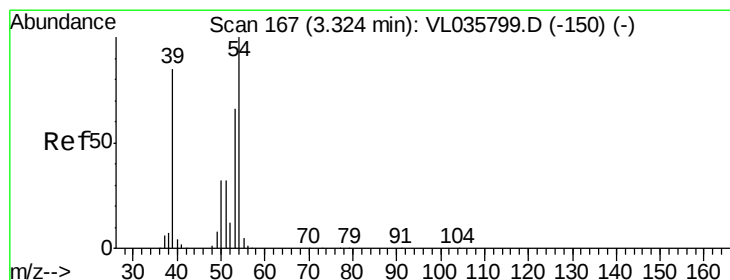
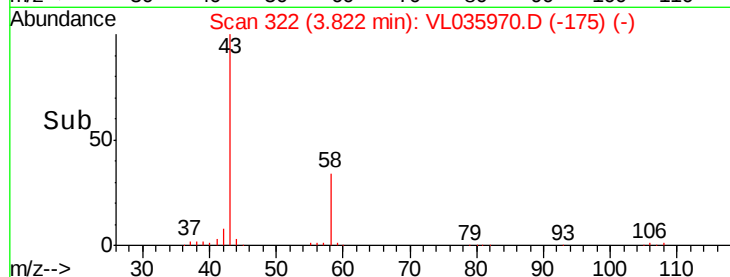
400000

200000

0

3.75 3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 9.601 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL035970.D

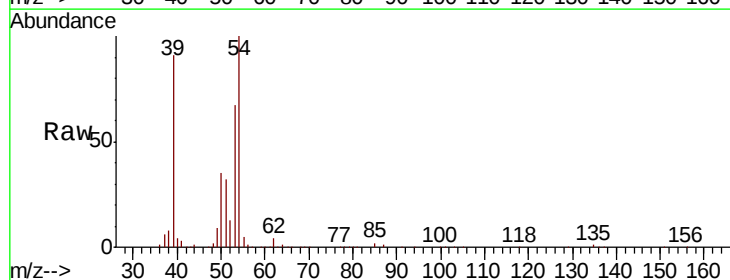
Acq: 18 Nov 2020 10:19

Tgt Ion: 39 Resp: 520953

Ion Ratio Lower Upper

39 100

54 111.2 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.30

300000

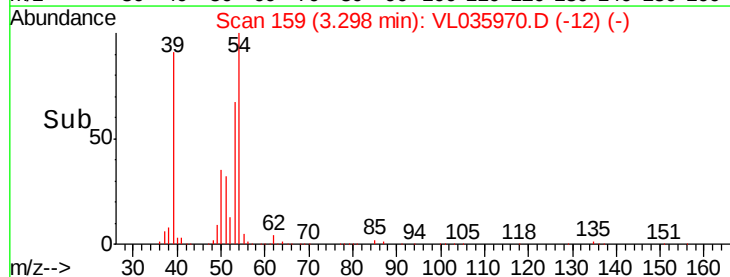
200000

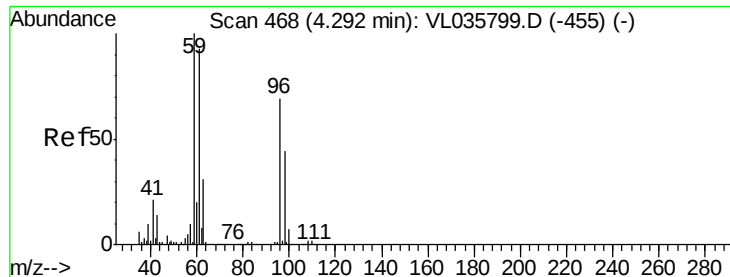
100000

0

3.20 3.25 3.30 3.35

Time-->





#17

tert-Butyl alcohol

Concen: 9.691 ppbv

RT: 4.26 min Scan# 459

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

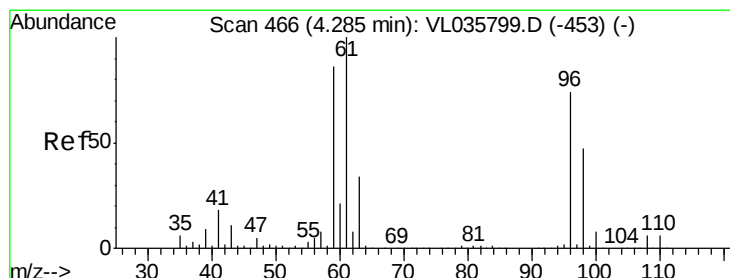
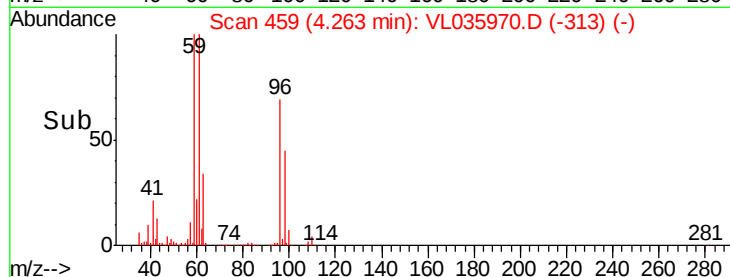
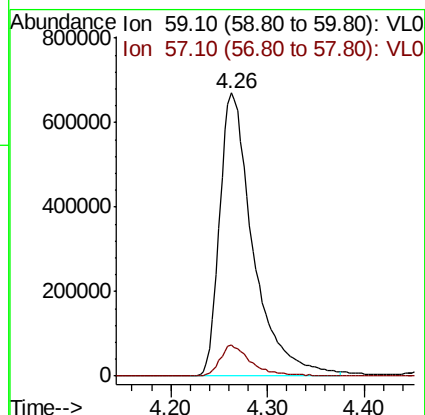
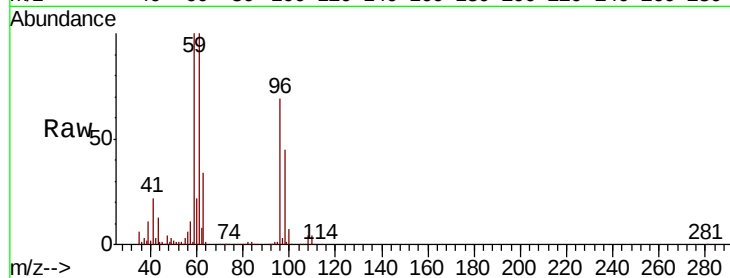
VSTDCCC010

Tot Ion: 59 Resp: 1618591

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.148 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

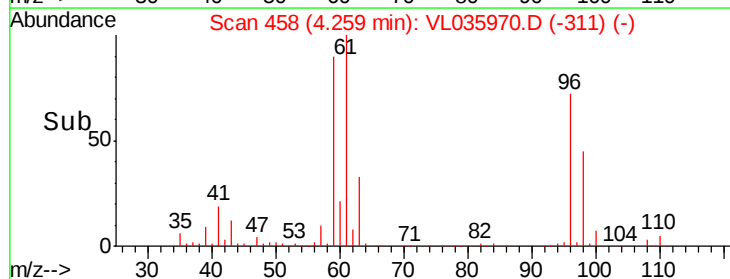
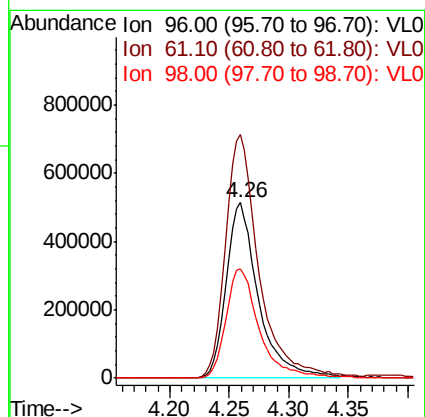
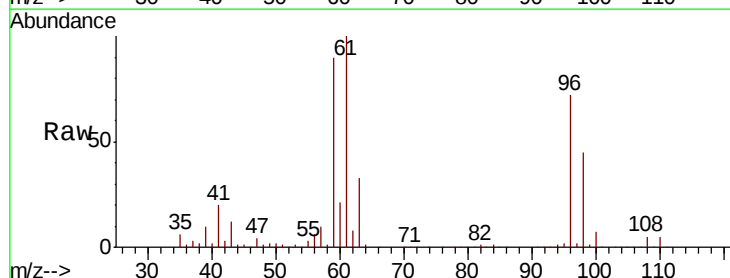
Tgt Ion: 96 Resp: 966783

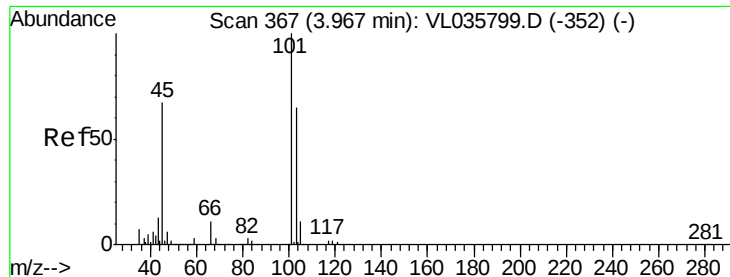
Ion Ratio Lower Upper

96 100

61 138.7 108.5 162.7

98 61.9 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.707 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

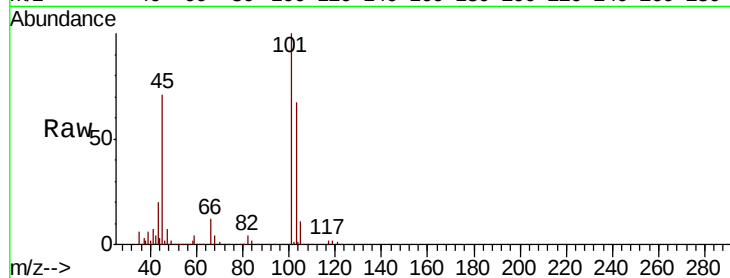
VSTDCCC010

Tot Ion: 45 Resp: 751758

Ion Ratio Lower Upper

45 100

58 2.7 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

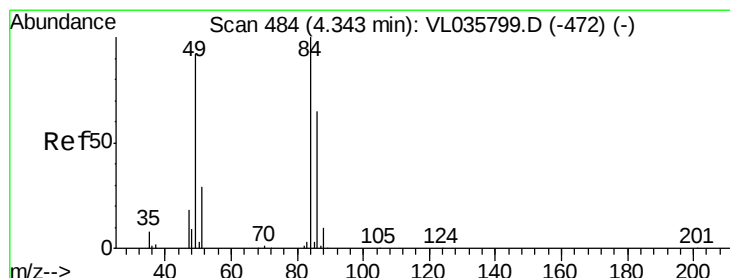
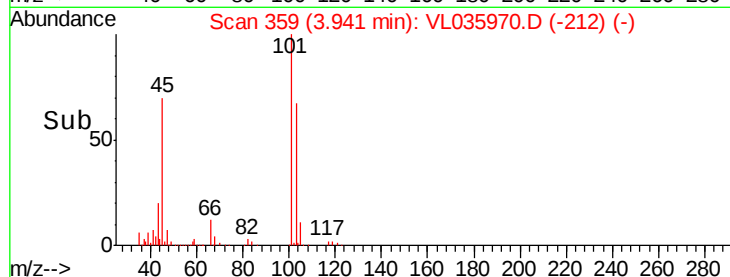
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.959 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion: 84 Resp: 794872

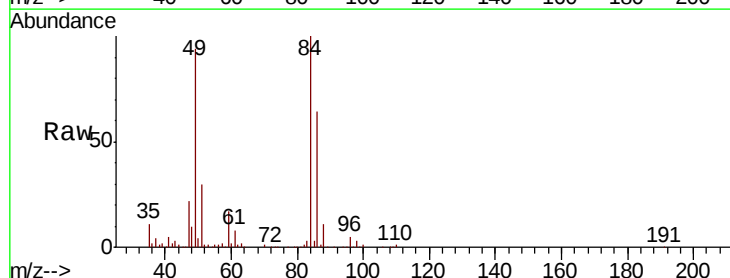
Ion Ratio Lower Upper

84 100

49 92.2 73.8 110.8

51 28.2 23.0 34.4

86 64.4 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

600000

500000

400000

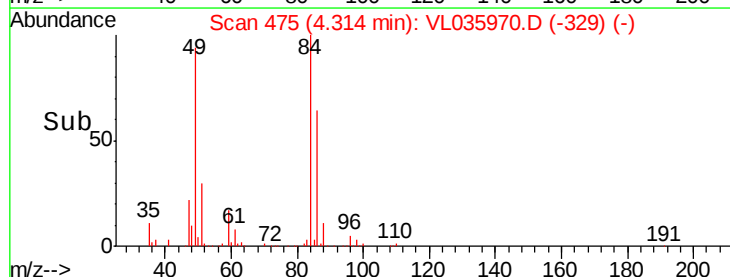
300000

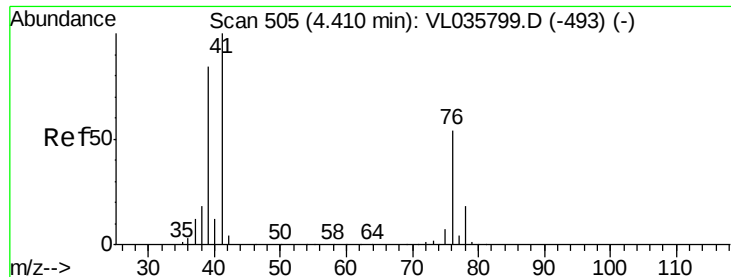
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 10.388 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

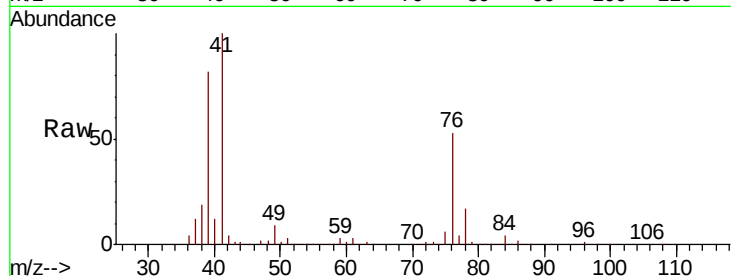
Tot Ion: 41 Resp: 707956

Ion Ratio Lower Upper

41 100

76 54.6 42.6 63.8

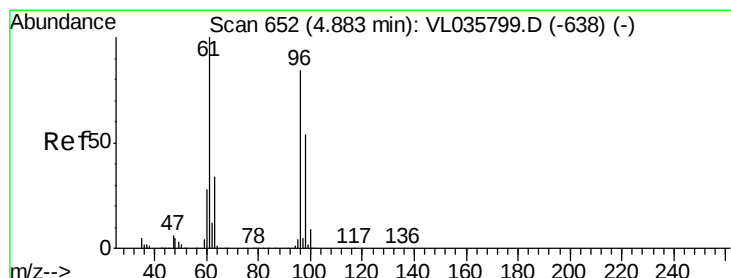
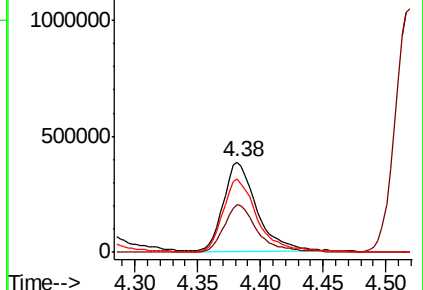
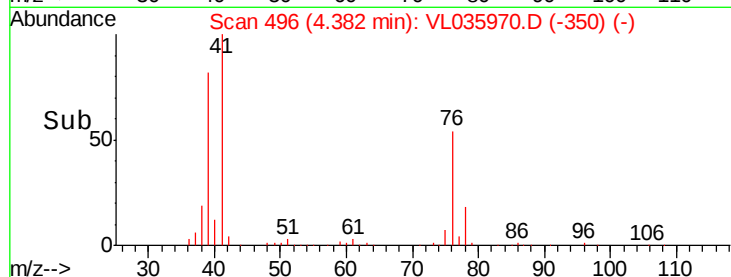
39 84.8 67.0 100.4



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: 10.016 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

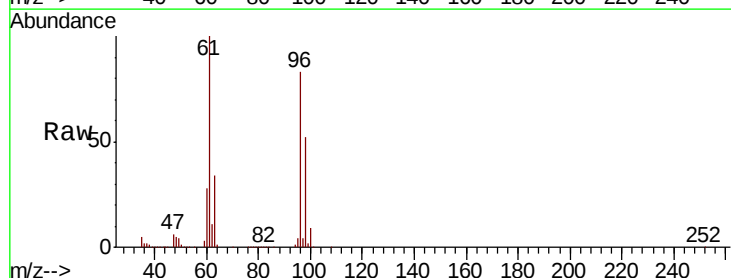
Tgt Ion: 96 Resp: 967303

Ion Ratio Lower Upper

96 100

61 120.7 95.4 143.0

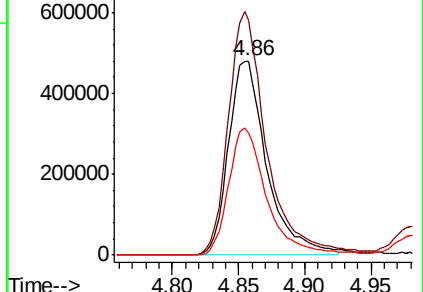
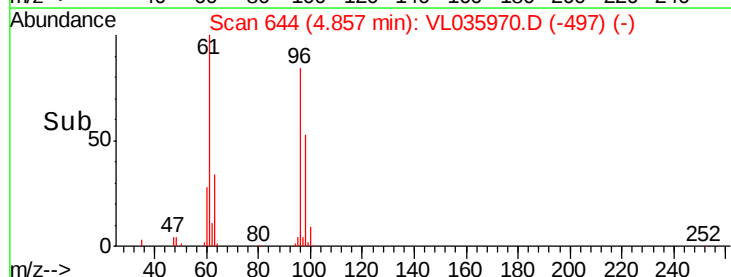
98 62.9 51.8 77.6

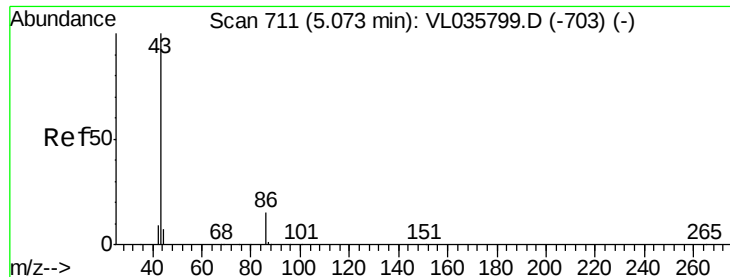


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



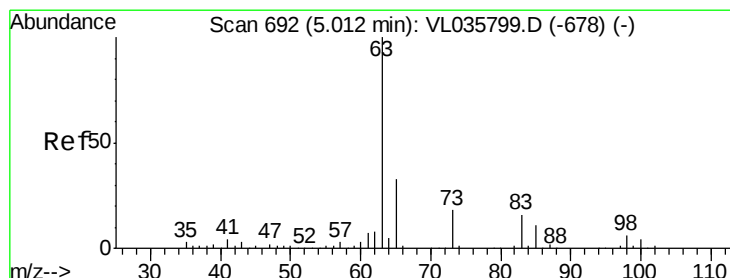
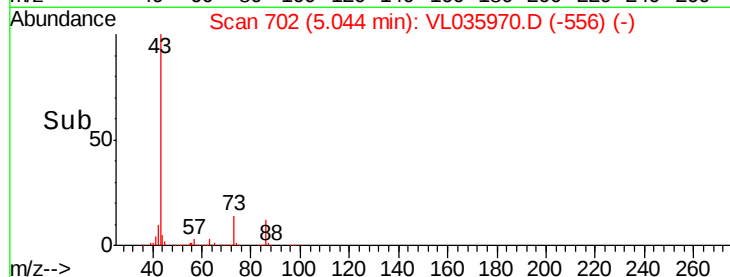
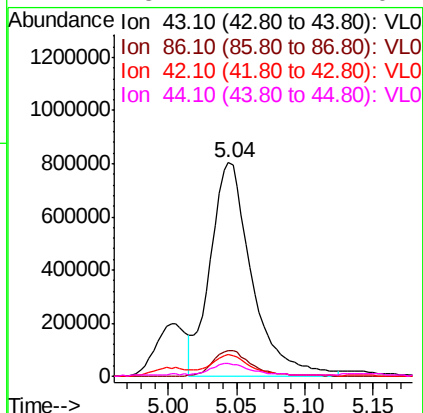
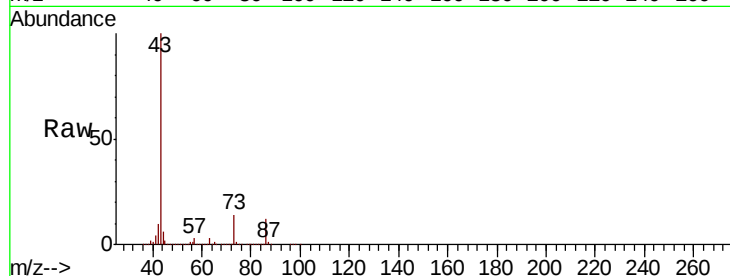


#23
 Vinyl Acetate
 Concen: 9.579 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 1692133

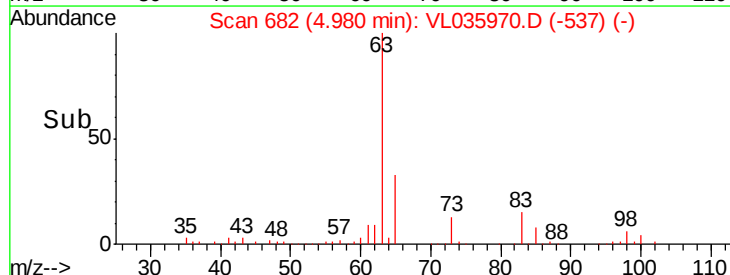
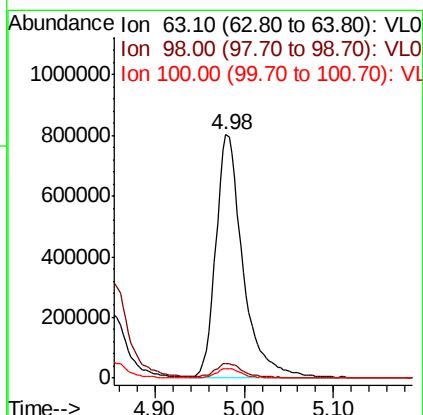
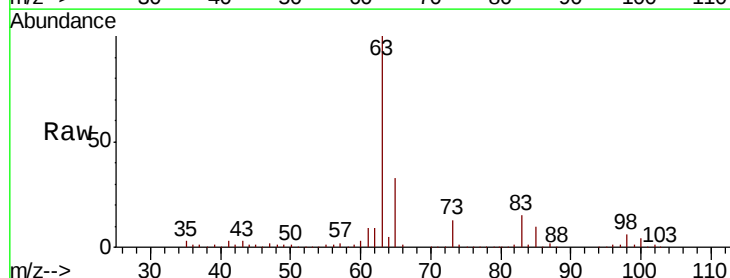
Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.6
42	9.8	8.1	12.1
44	5.4	4.2	6.4

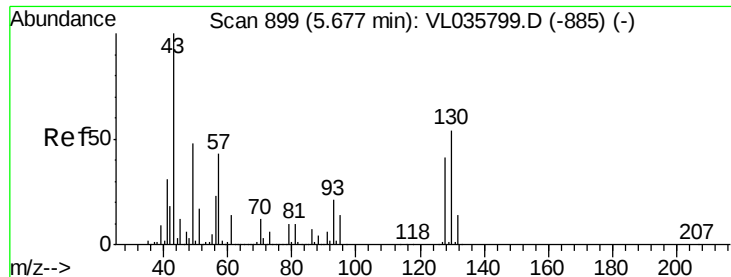


#24
 1,1-Dichloroethane
 Concen: 9.940 ppbv
 RT: 4.98 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 63 Resp: 1672890

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.9	1.8	5.4



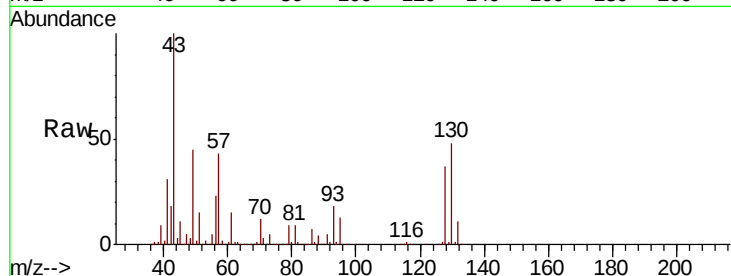


#25
Ethyl Acetate
Concen: 10.008 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2484752

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	13.1	10.7	16.1
70	10.5	8.6	12.8



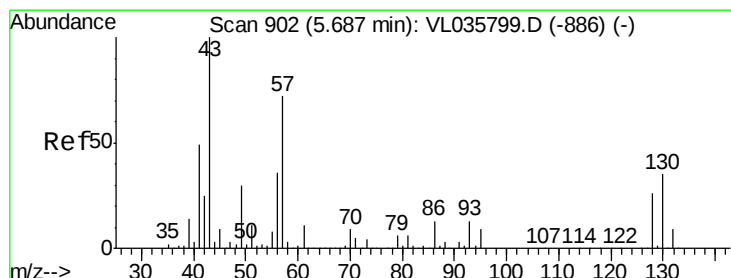
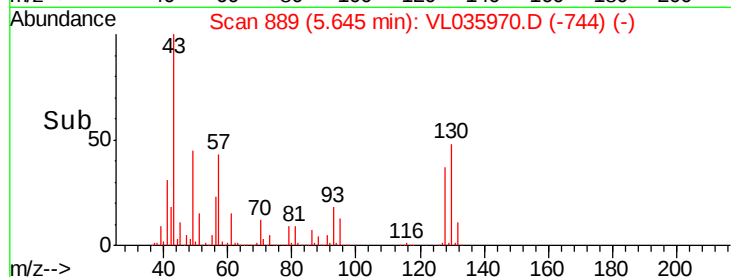
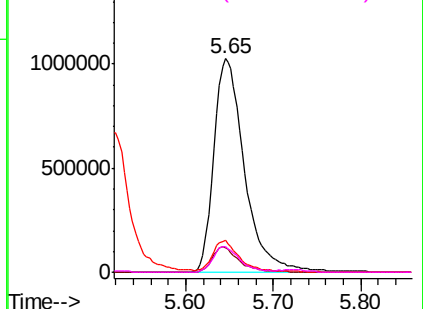
Abundance

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

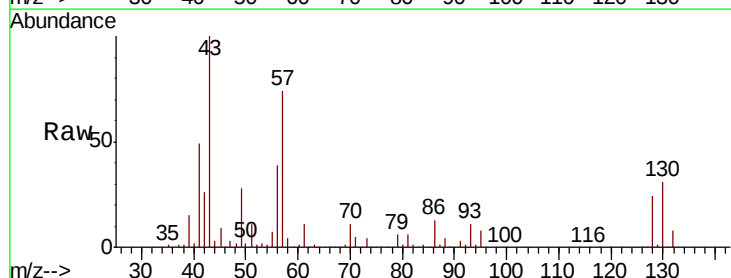
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.712 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 57 Resp: 1329789

Ion	Ratio	Lower	Upper
57	100		
41	73.0	58.9	88.3
43	188.1	150.2	225.2
56	53.5	42.4	63.6



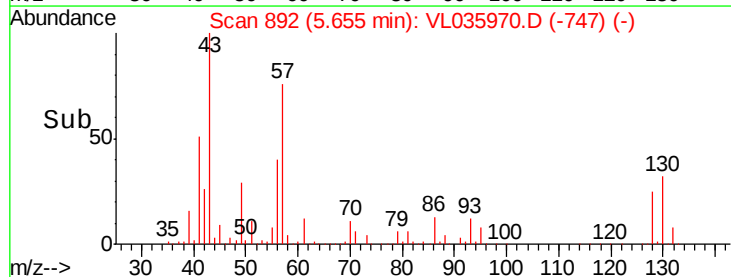
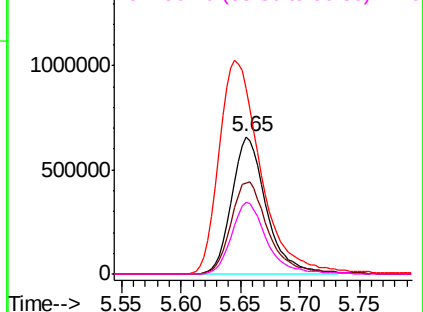
Abundance

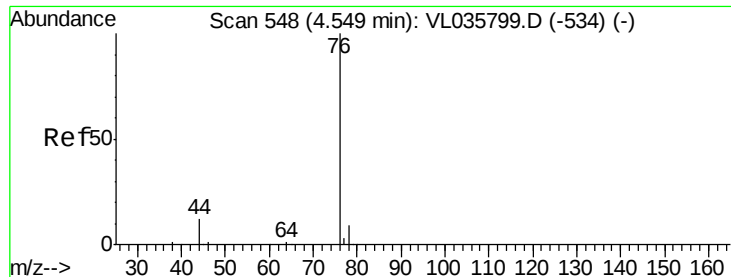
Ion 57.10 (56.80 to 57.80): VL0

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: 10.305 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

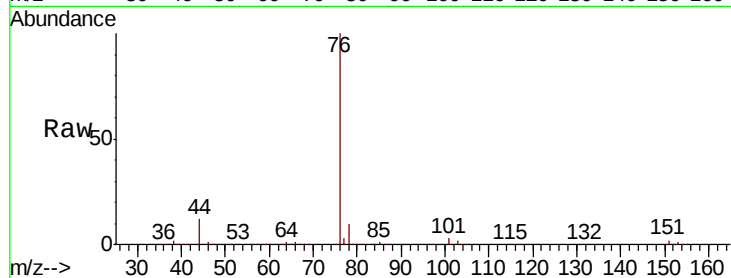
Tot Ion: 76 Resp: 2114228

Ion Ratio Lower Upper

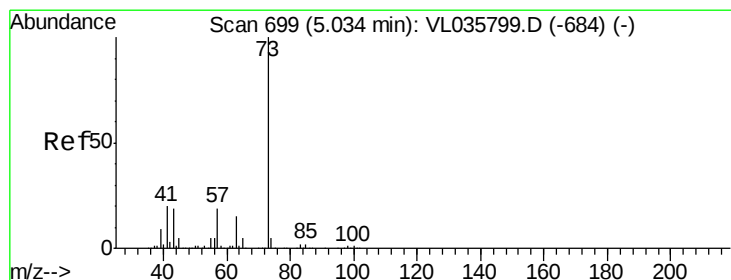
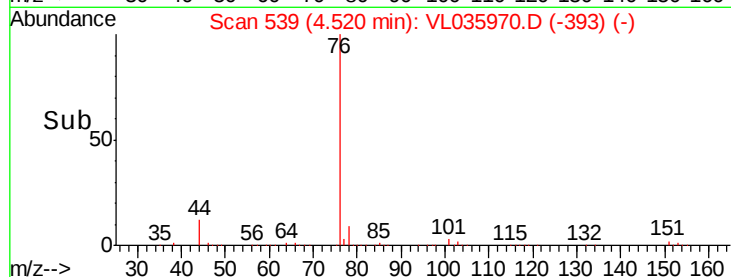
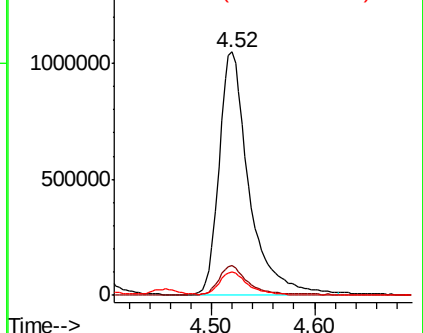
76 100

44 12.1 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: 9.343 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.03 min

Lab File: VL035970.D

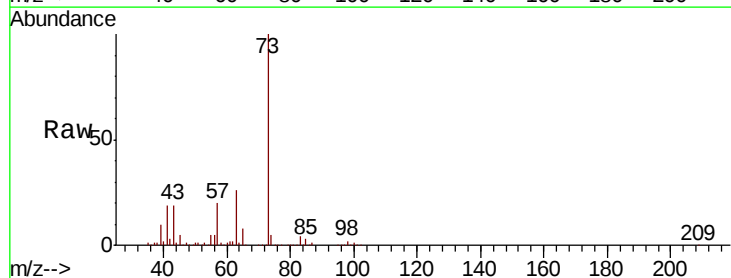
Acq: 18 Nov 2020 10:19

Tgt Ion: 73 Resp: 2297381

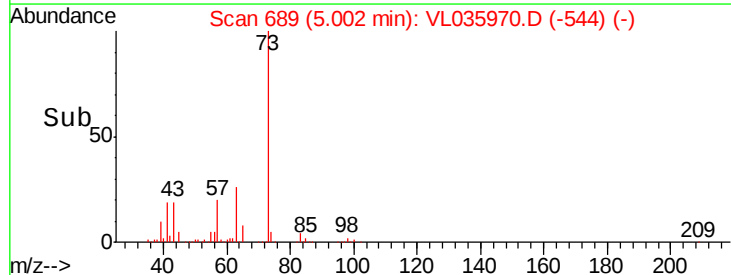
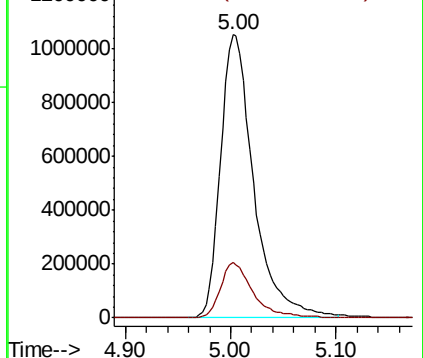
Ion Ratio Lower Upper

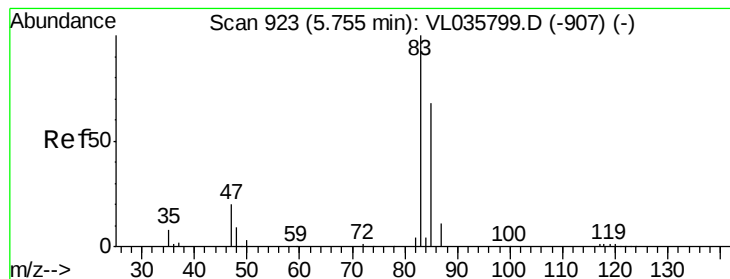
73 100

57 19.3 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: 9.668 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

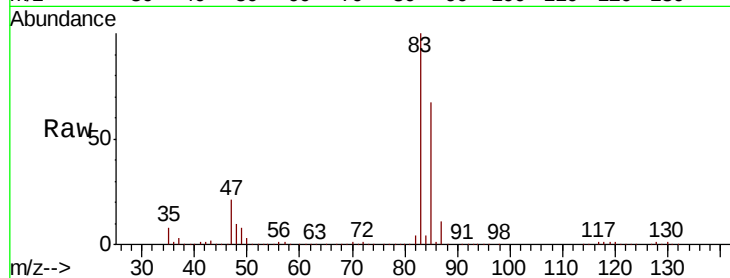
VSTDCCC010

Tot Ion: 83 Resp: 2601860

Ion Ratio Lower Upper

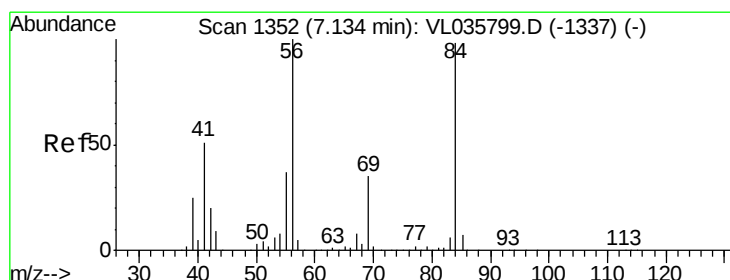
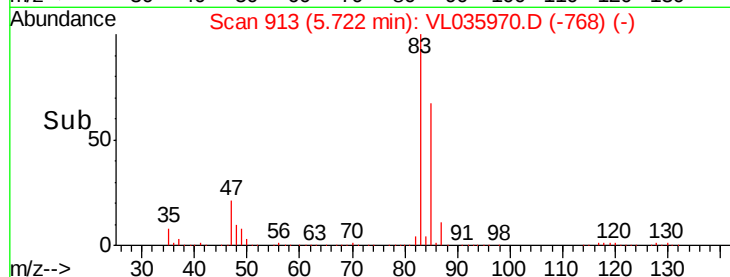
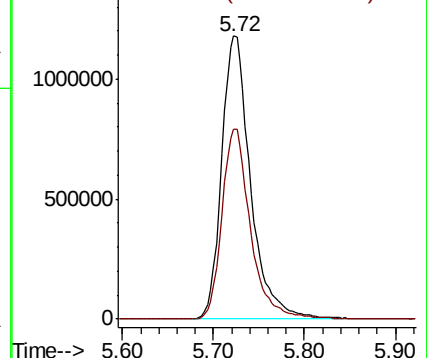
83 100

85 66.9 54.6 81.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.450 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

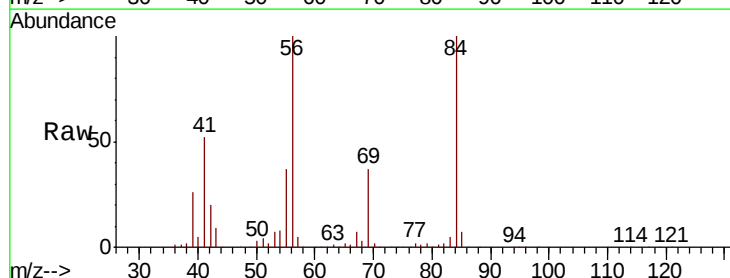
Tgt Ion: 84 Resp: 1409269

Ion Ratio Lower Upper

84 100

56 108.4 86.4 129.6

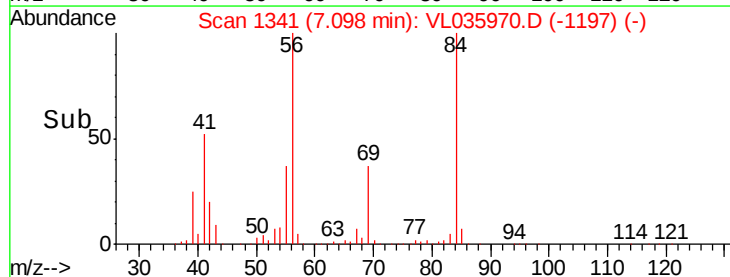
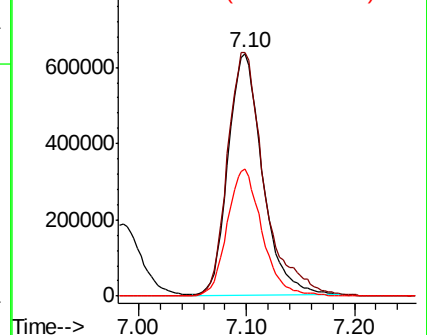
41 53.4 42.1 63.1

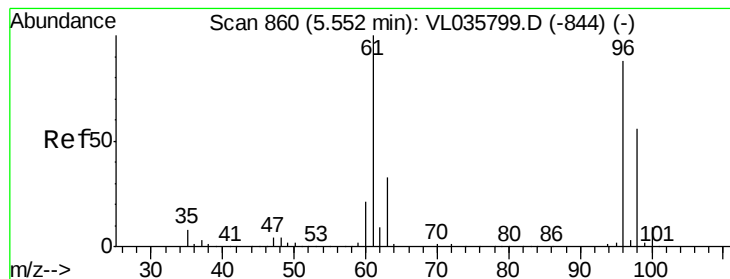


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 9.776 ppbv

RT: 5.52 min Scan# 849

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

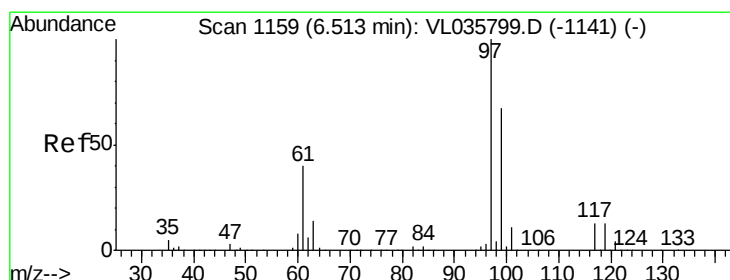
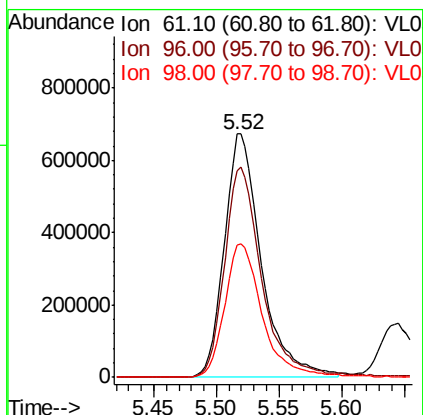
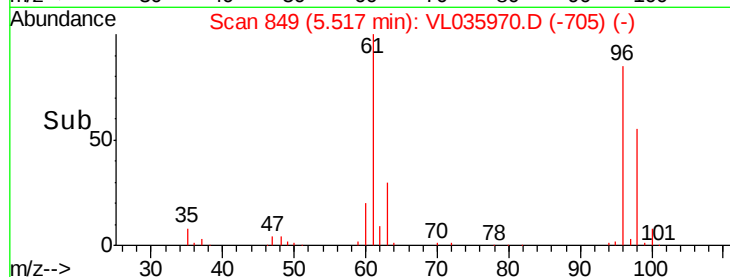
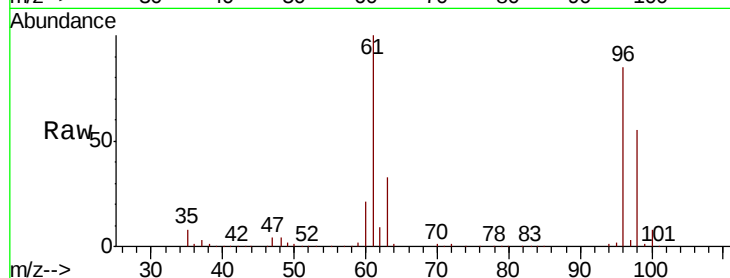
Tot Ion: 61 Resp: 1377023

Ion Ratio Lower Upper

61 100

96 84.5 70.3 105.5

98 54.5 45.0 67.6



#32

1,1,1-Trichloroethane

Concen: 8.949 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

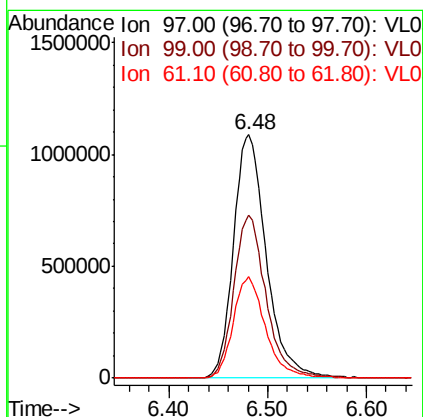
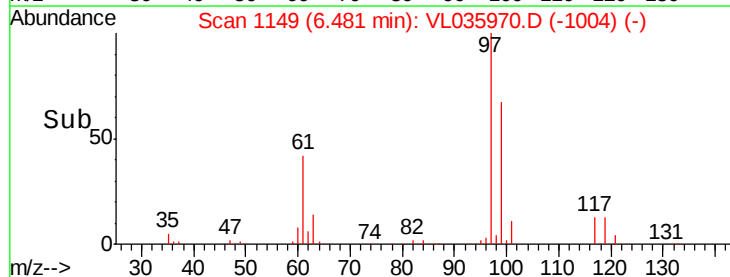
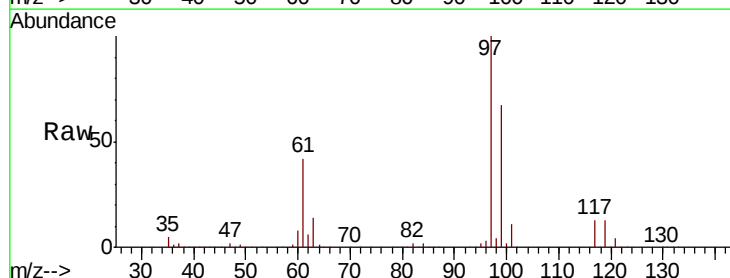
Tgt Ion: 97 Resp: 2513233

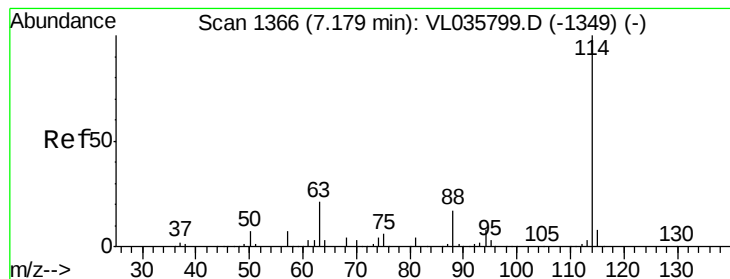
Ion Ratio Lower Upper

97 100

99 66.0 52.3 78.5

61 41.1 32.0 48.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

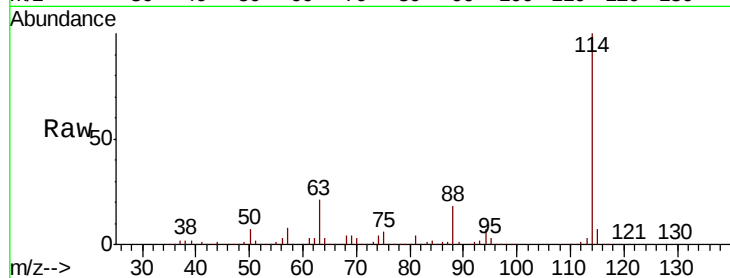
Tot Ion:114 Resp: 4575062

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

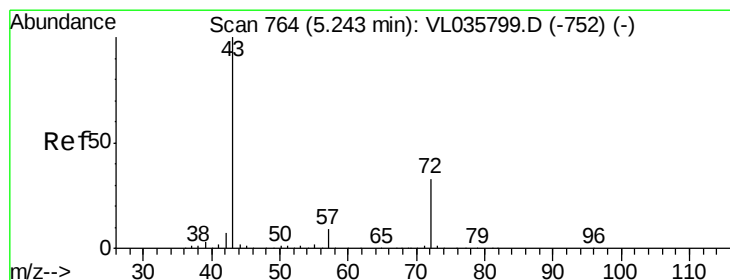
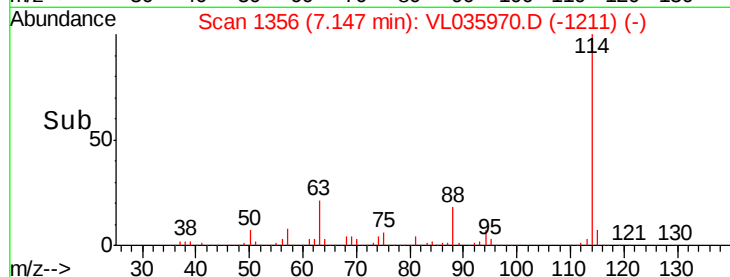
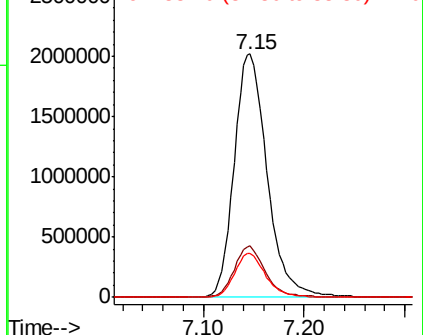
88 17.4 13.7 20.5



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: 10.709 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.03 min

Lab File: VL035970.D

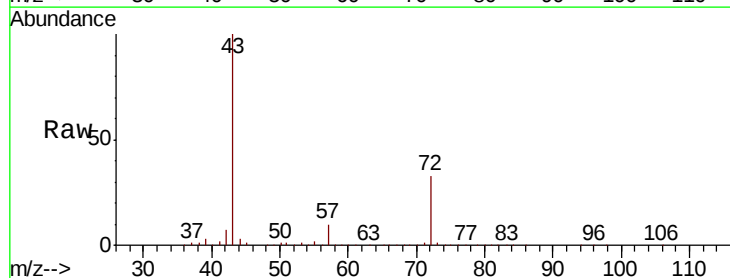
Acq: 18 Nov 2020 10:19

Tgt Ion: 43 Resp: 1590084

Ion Ratio Lower Upper

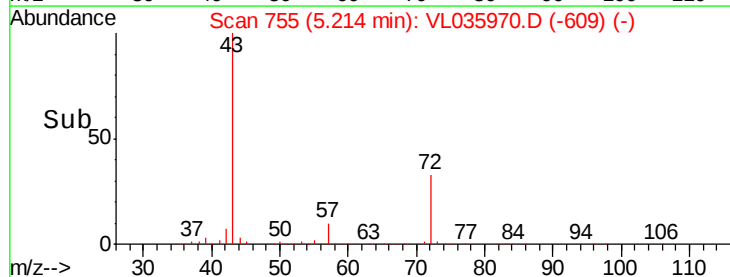
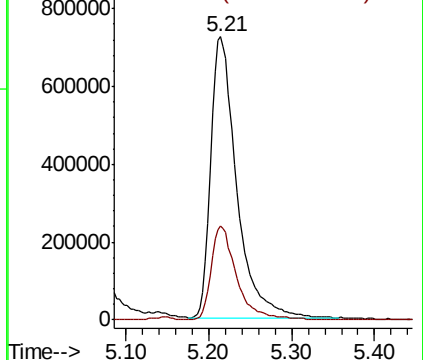
43 100

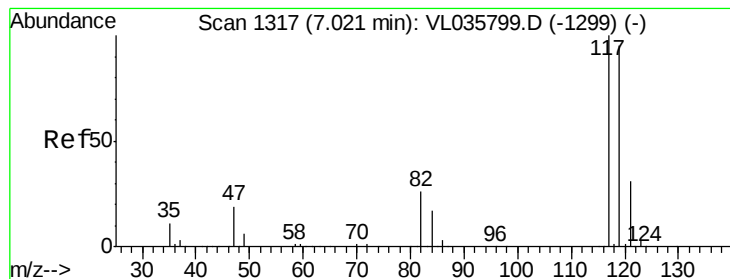
72 32.6 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.213 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

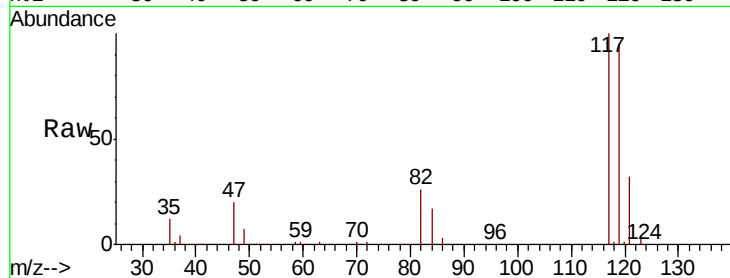
Tot Ion:117 Resp: 2496531

Ion Ratio Lower Upper

117 100

119 94.6 75.6 113.4

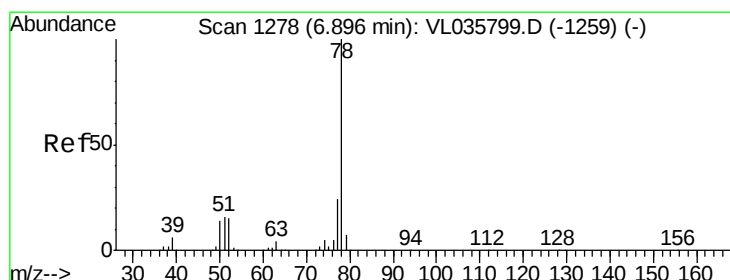
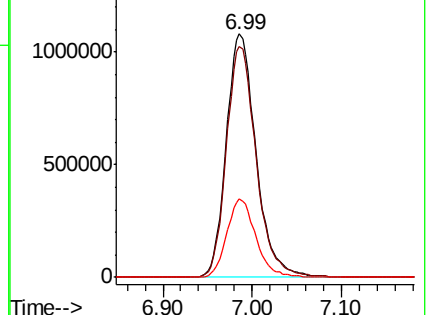
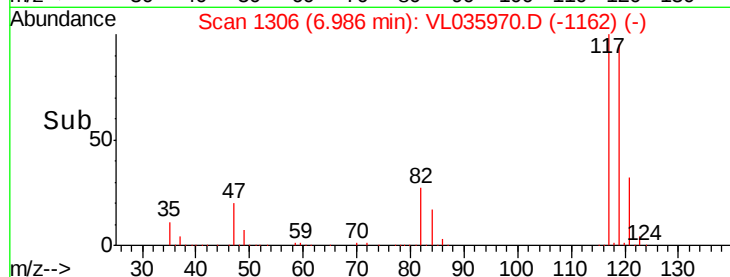
121 32.1 25.1 37.7



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: 9.752 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

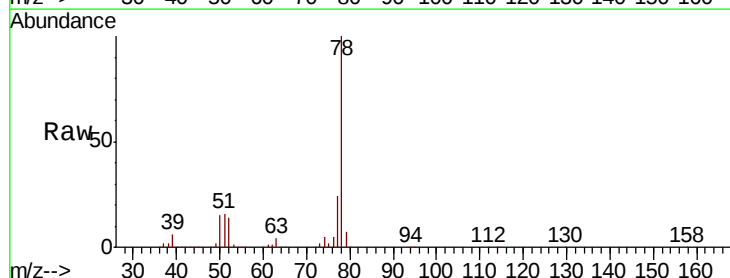
Tgt Ion: 78 Resp: 3316954

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

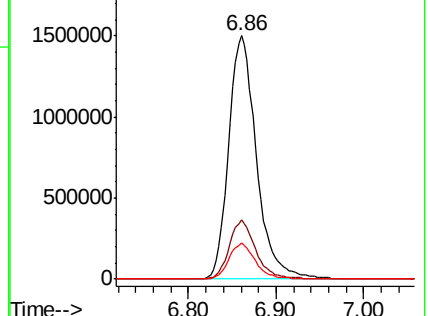
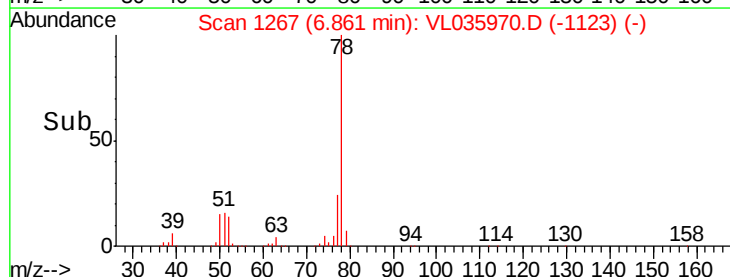
50 14.7 11.4 17.2

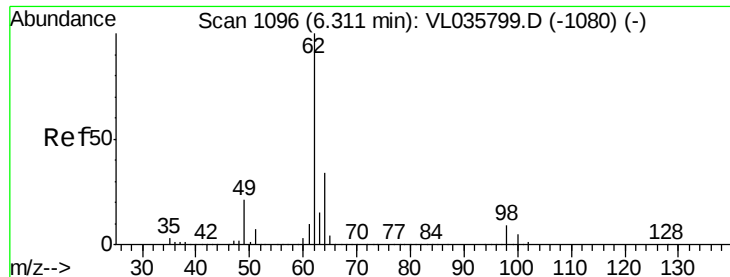


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

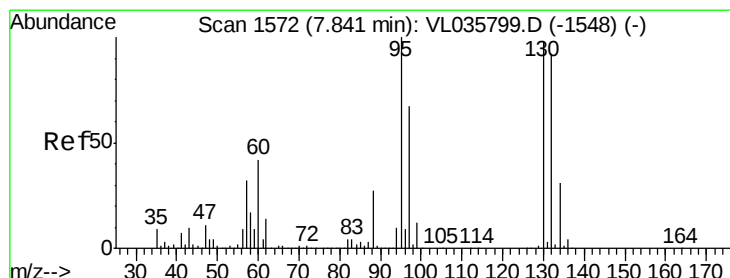
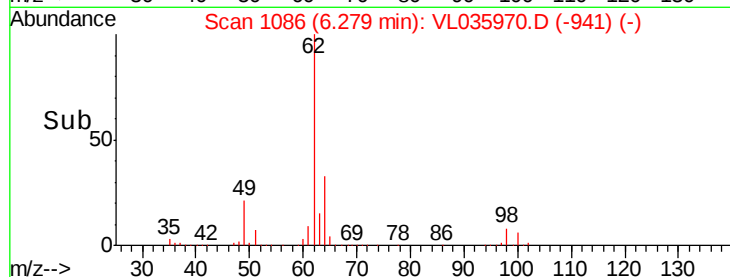
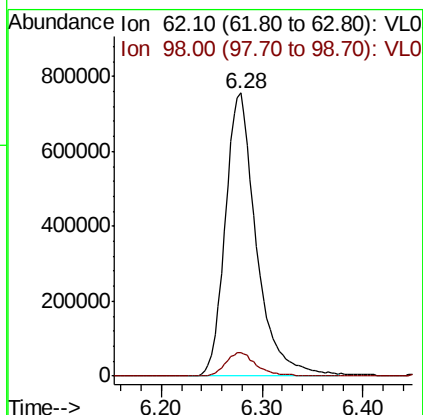
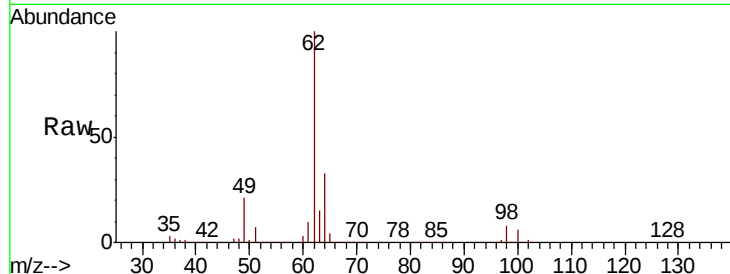




#37
 1,2-Dichloroethane
 Concen: 10.546 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

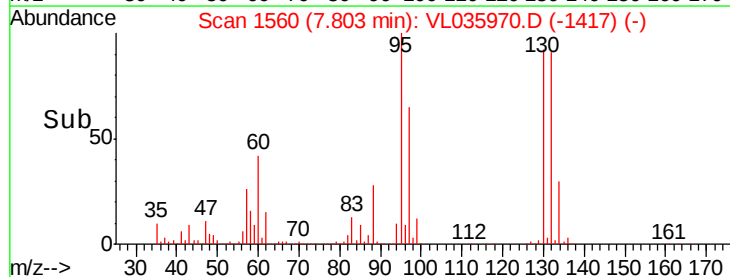
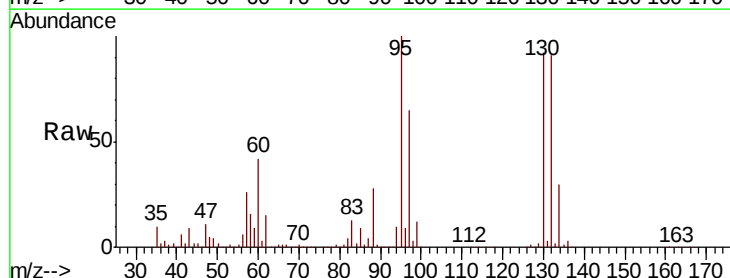
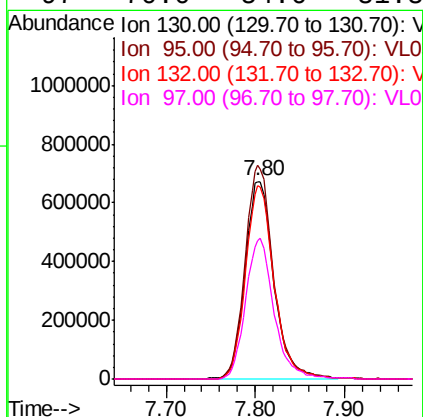
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

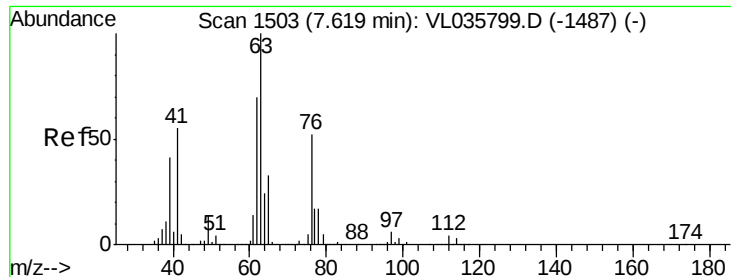
Tot Ion: 62 Resp: 1624954
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3



#38
 Trichloroethene
 Concen: 9.157 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion:130 Resp: 1521359
 Ion Ratio Lower Upper
 130 100
 95 108.2 81.6 122.4
 132 98.2 75.1 112.7
 97 70.0 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.016 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

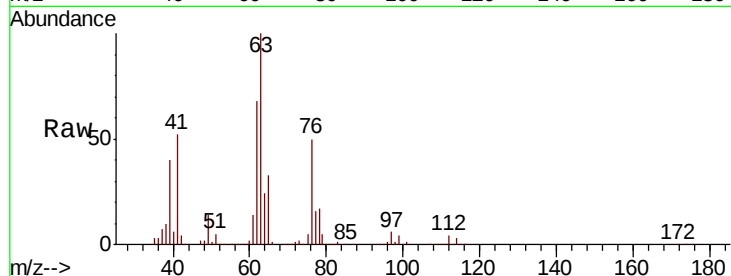
Tot Ion: 63 Resp: 1146906

Ion Ratio Lower Upper

63 100

41 51.9 43.8 65.6

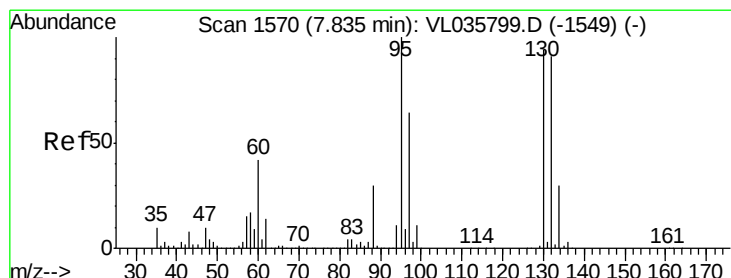
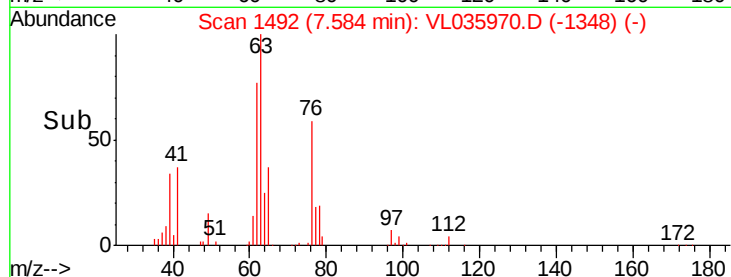
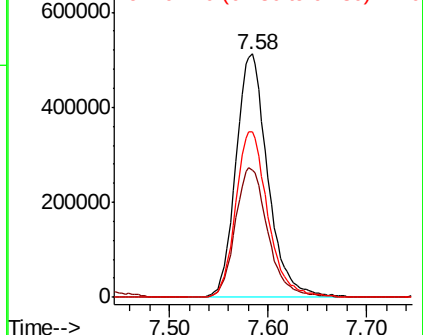
62 68.1 56.2 84.2



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: 10.063 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion: 88 Resp: 546137

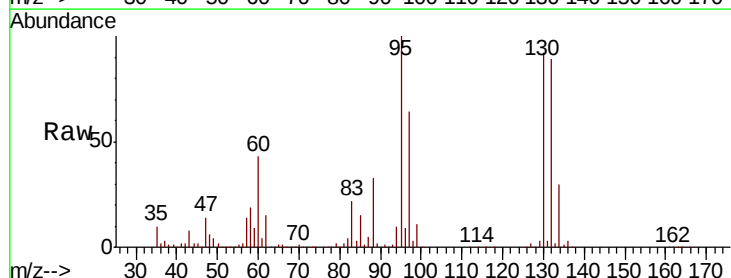
Ion Ratio Lower Upper

88 100

58 96.6 76.2 114.2

43 155.0 123.1 184.7

57 830.6 661.0 991.4

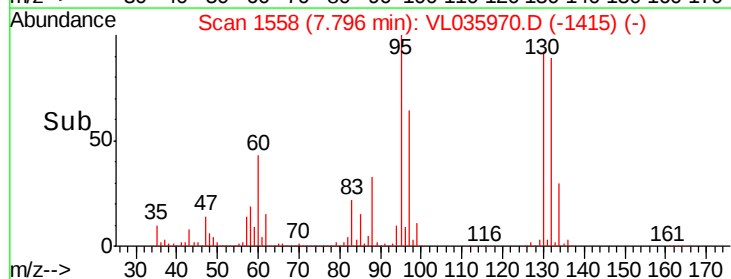
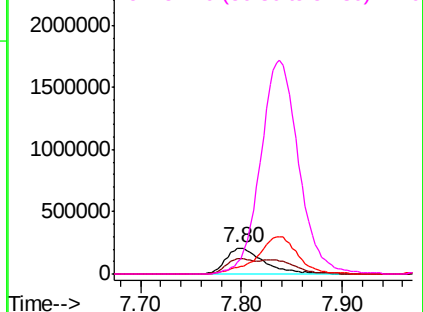


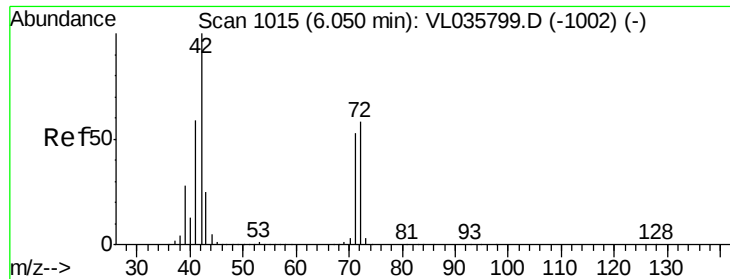
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.965 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

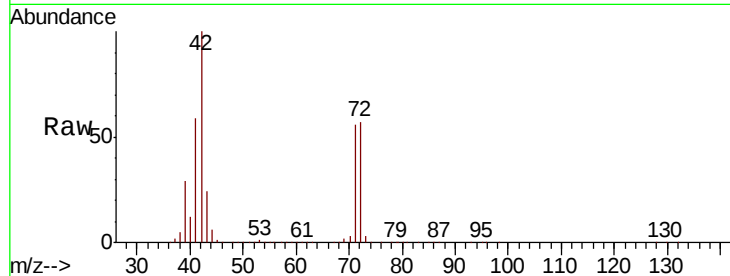
Tot Ion: 42 Resp: 924995

Ion Ratio Lower Upper

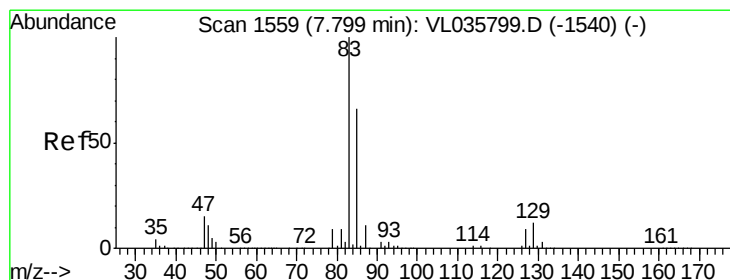
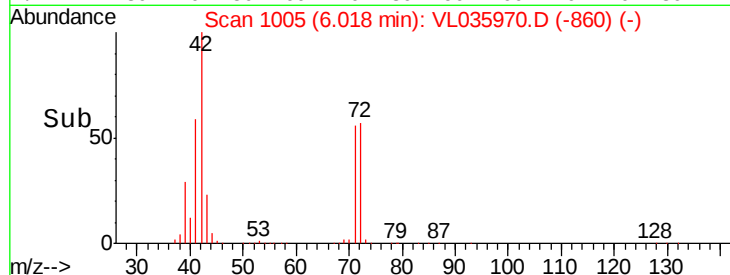
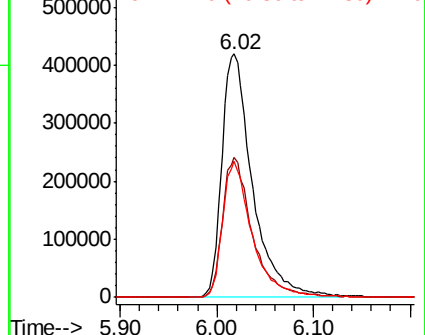
42 100

72 56.5 45.4 68.0

71 54.2 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: 10.388 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

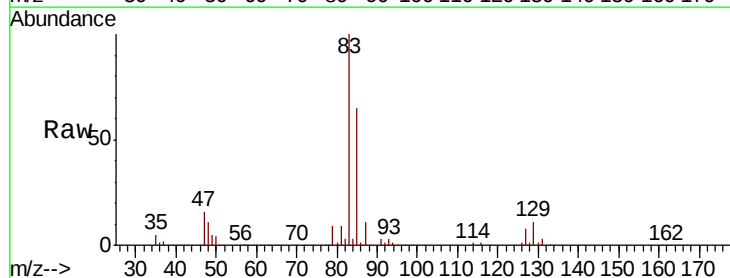
Tgt Ion: 83 Resp: 2700954

Ion Ratio Lower Upper

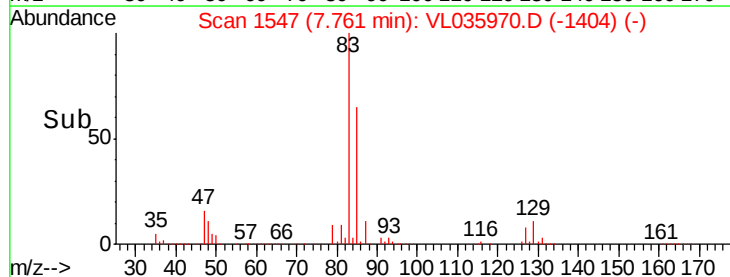
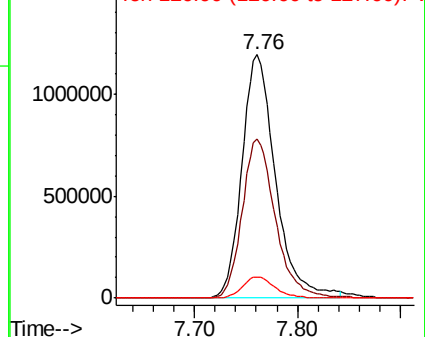
83 100

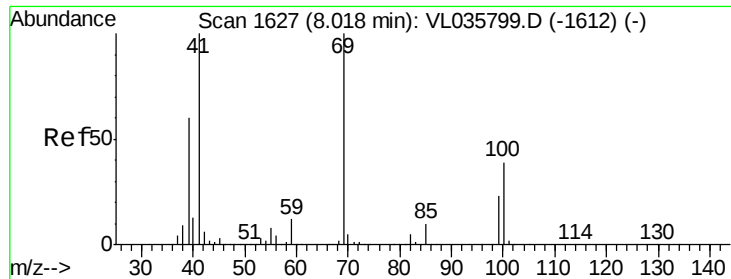
85 65.4 53.1 79.7

127 8.5 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

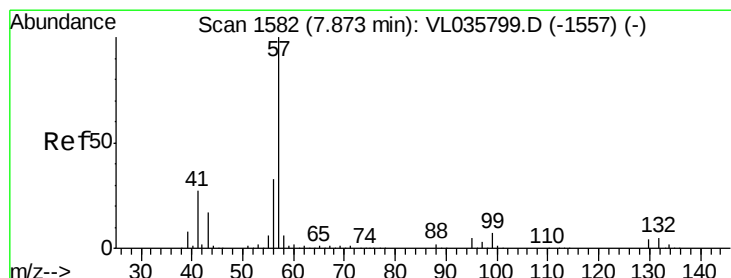
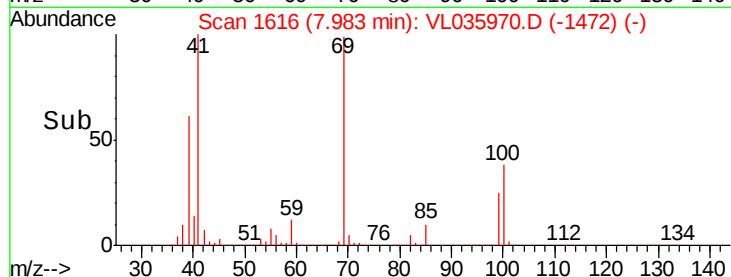
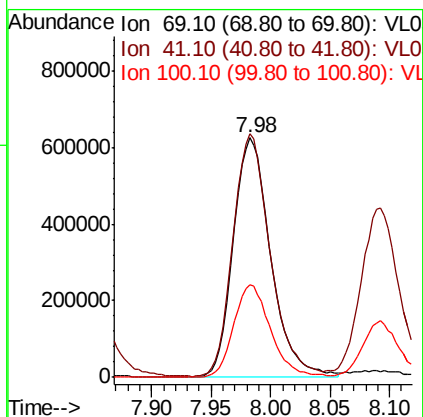
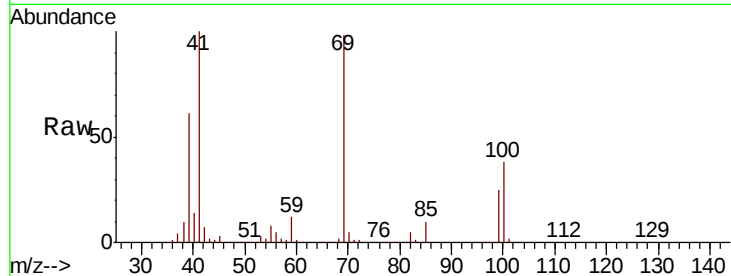




#43
Methyl Methacrylate
Concen: 10.535 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

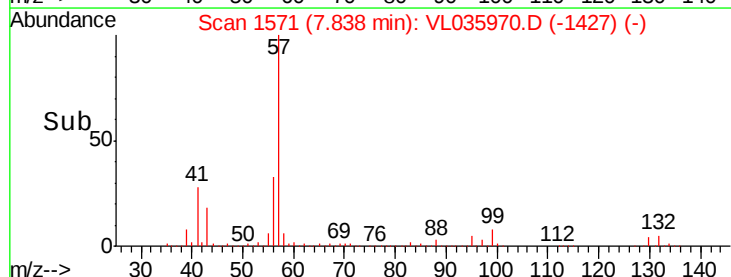
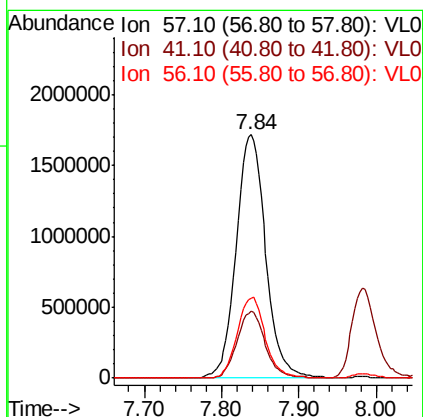
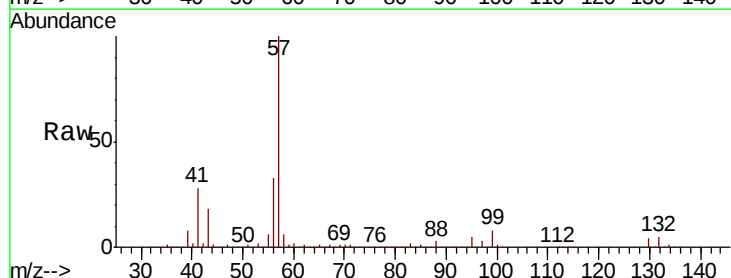
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

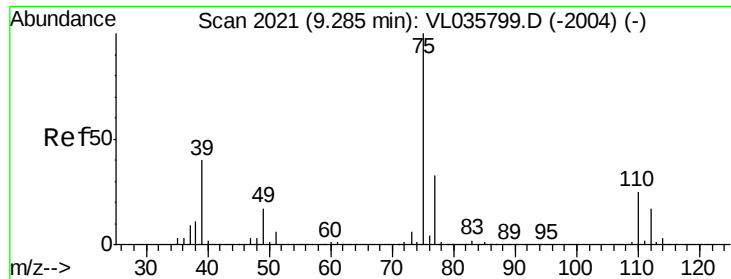
Tot Ion: 69 Resp: 1366808
Ion Ratio Lower Upper
69 100
41 101.0 81.1 121.7
100 38.2 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 10.079 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 57 Resp: 4536547
Ion Ratio Lower Upper
57 100
41 26.3 21.0 31.4
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.530 ppbv

RT: 9.25 min Scan# 2010

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

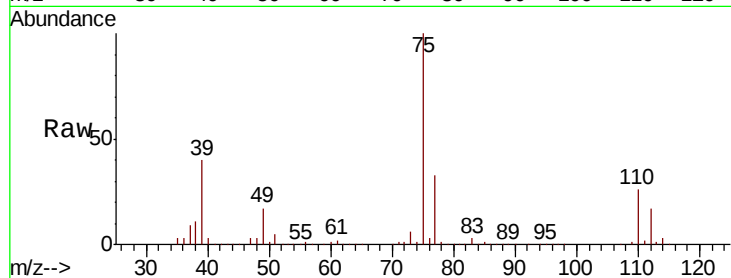
VSTDCCC010

Tot Ion: 75 Resp: 1448172

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

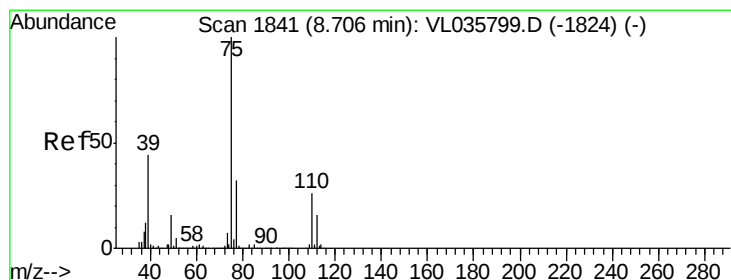
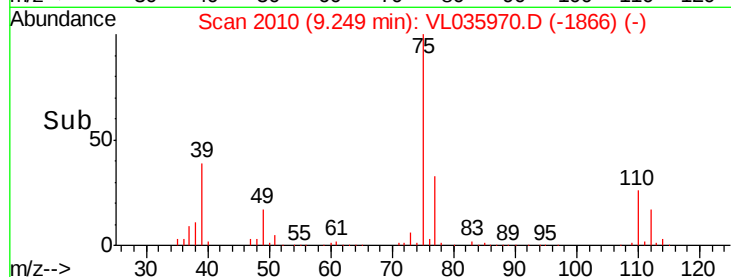
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.359 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

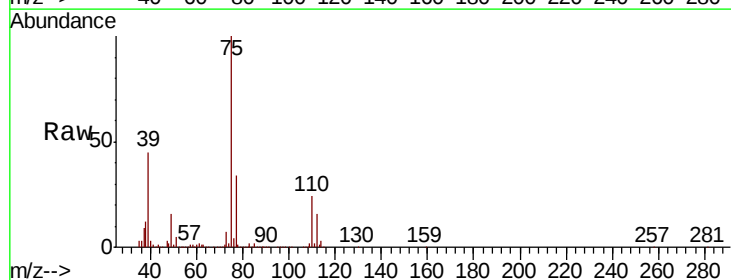
Tgt Ion: 75 Resp: 1804293

Ion Ratio Lower Upper

75 100

39 44.6 35.1 52.7

77 33.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.67

1000000

800000

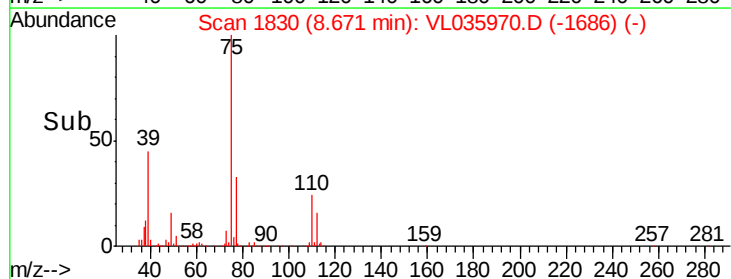
600000

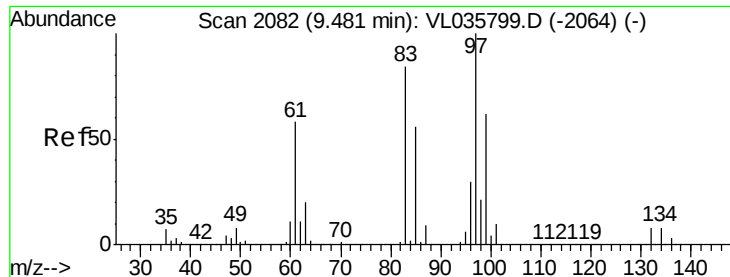
400000

200000

0

Time-->



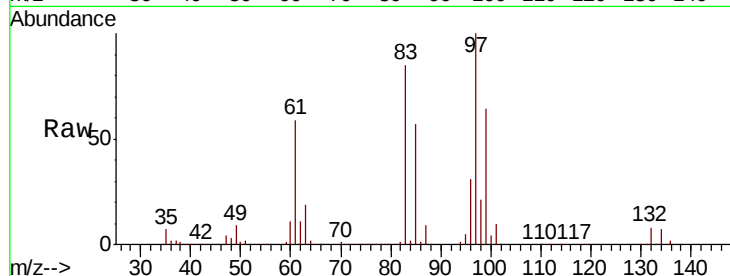


#47
 1,1,2-Trichloroethane
 Concen: 9.907 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

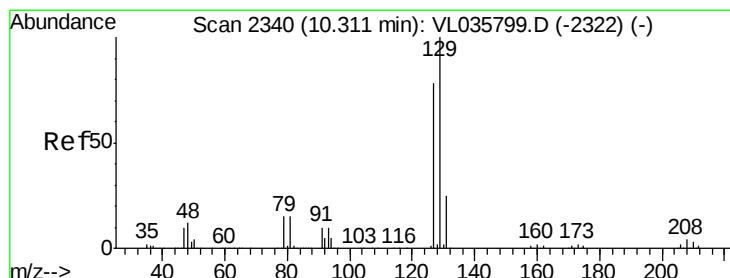
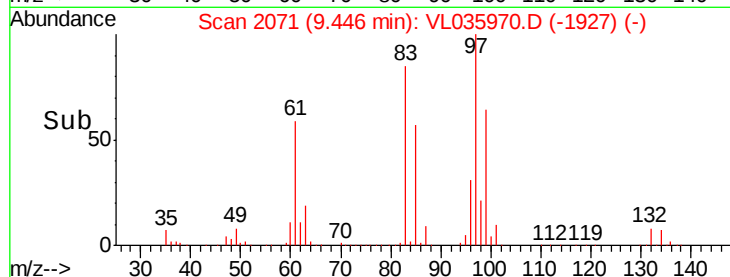
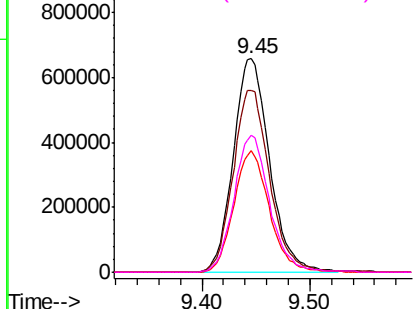
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1545805

Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.1	100.7
85	56.6	44.7	67.1
99	64.0	49.7	74.5



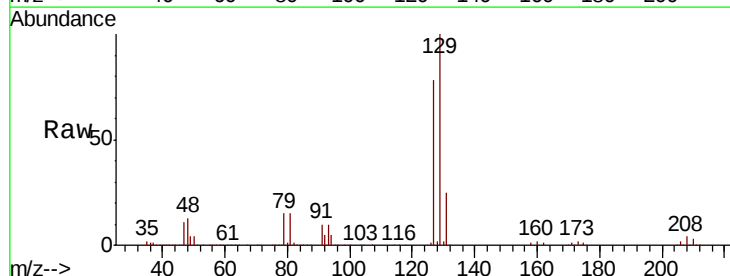
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



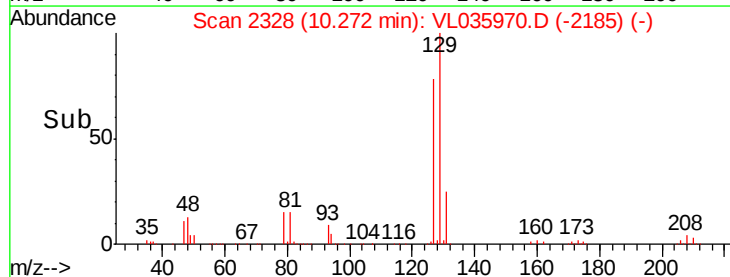
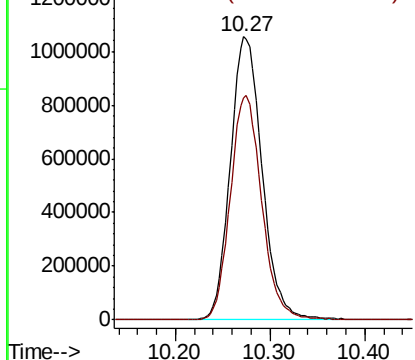
#48
 Dibromochloromethane
 Concen: 10.344 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

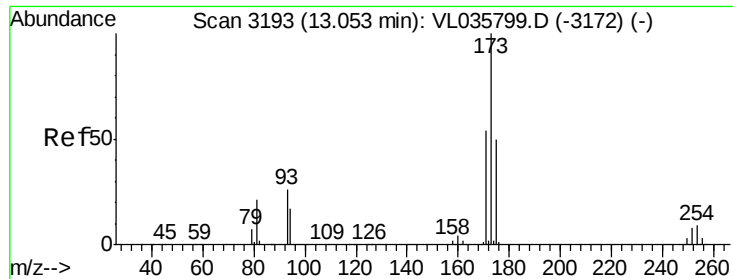
Tgt Ion: 129 Resp: 2465752

Ion	Ratio	Lower	Upper
129	100		
127	78.7	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: 10.070 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

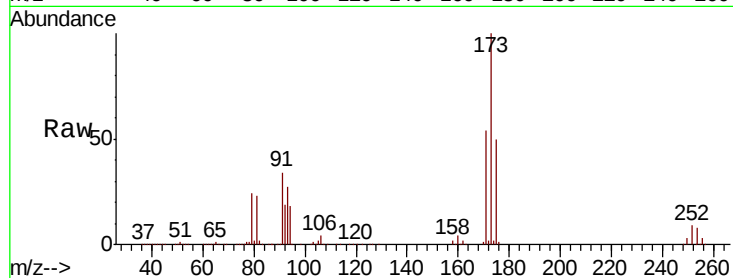
Tot Ion:173 Resp: 2025484

Ion Ratio Lower Upper

173 100

175 50.0 40.1 60.1

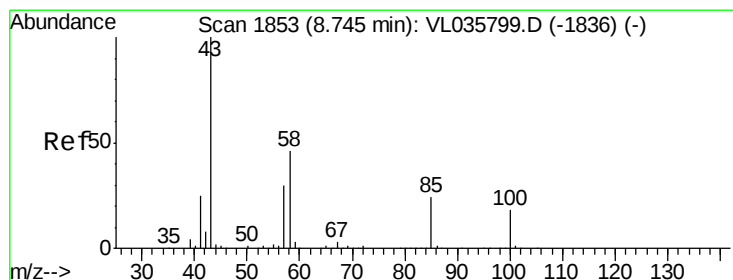
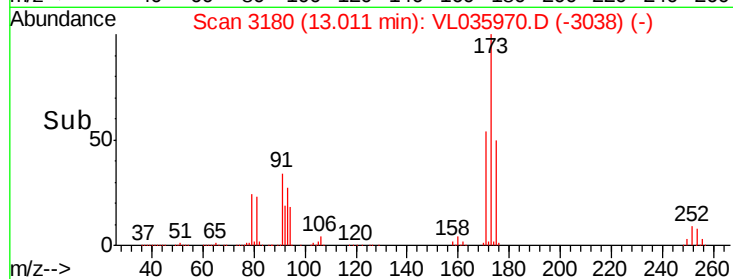
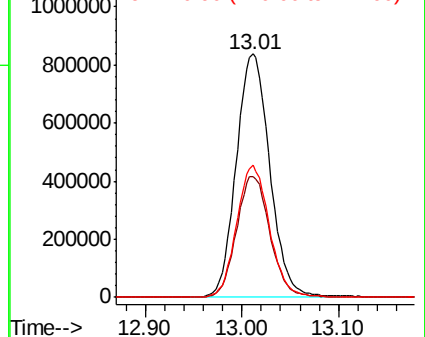
171 53.3 42.6 63.8



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: 10.701 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VL035970.D

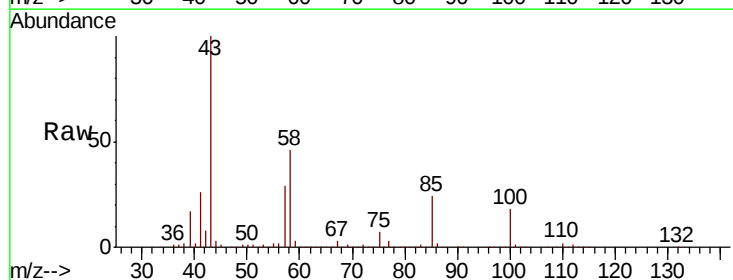
Acq: 18 Nov 2020 10:19

Tgt Ion: 43 Resp: 2429586

Ion Ratio Lower Upper

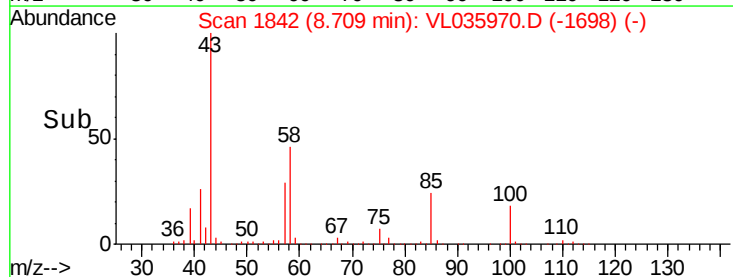
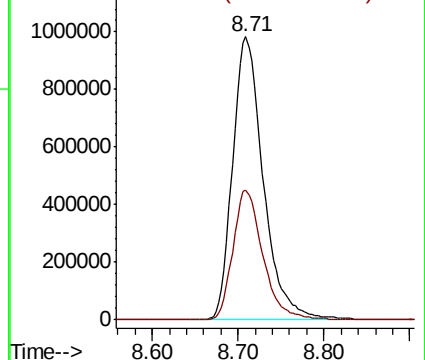
43 100

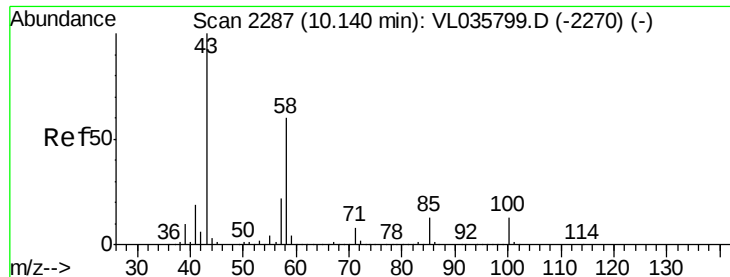
58 45.3 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

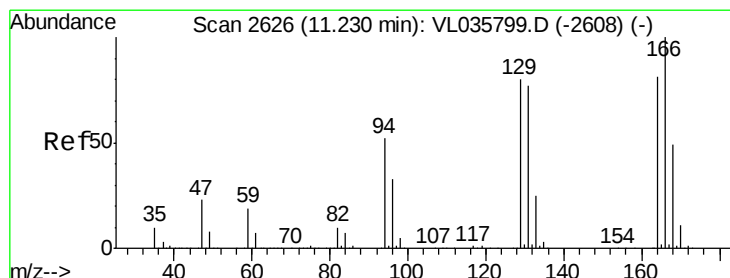
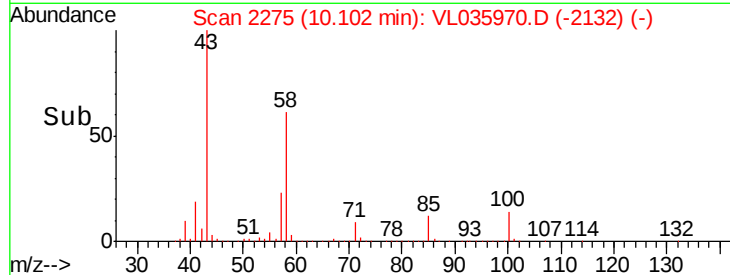
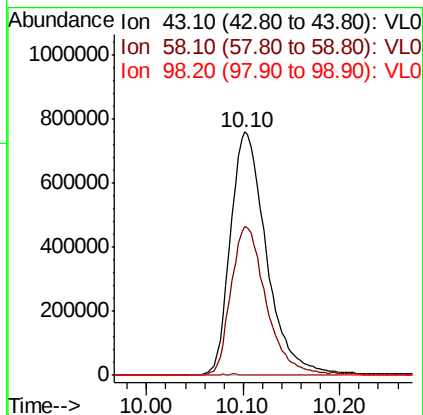
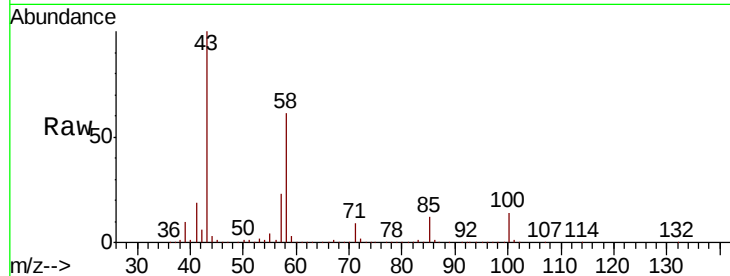




#51
2-Hexanone
Concen: 10.755 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

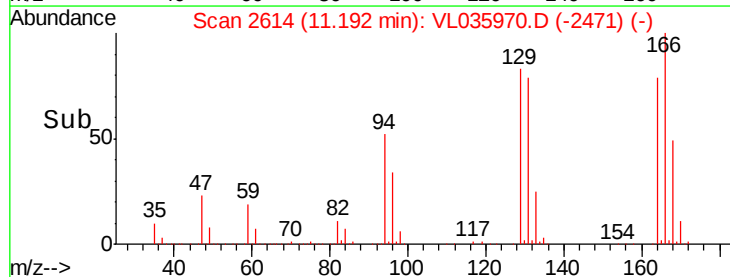
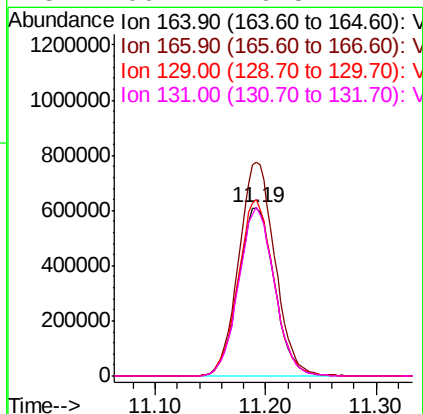
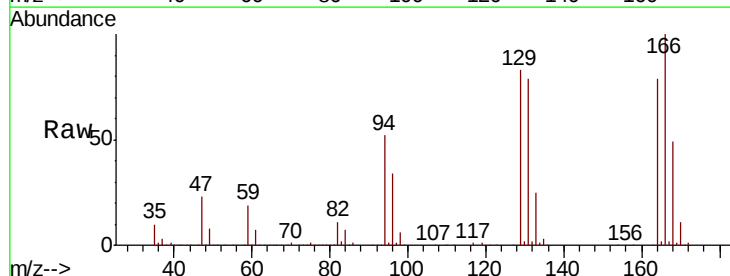
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

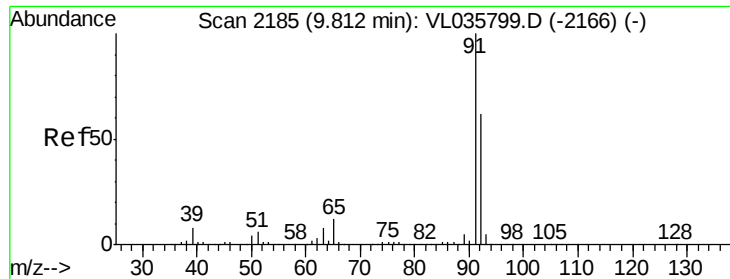
Tot Ion: 43 Resp: 1961510
Ion Ratio Lower Upper
43 100
58 60.8 48.3 72.5
98 0.8 0.6 0.8



#52
Tetrachloroethene
Concen: 8.607 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion:164 Resp: 1387007
Ion Ratio Lower Upper
164 100
166 127.1 99.3 148.9
129 105.0 79.3 118.9
131 100.7 76.5 114.7





#53

Toluene

Concen: 9.756 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

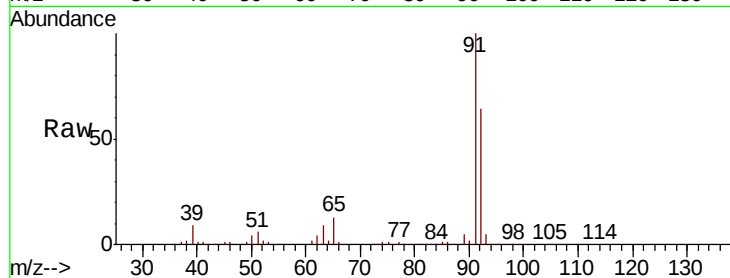
VSTDCCC010

Tot Ion: 91 Resp: 4004115

Ion Ratio Lower Upper

91 100

92 62.3 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.77

1500000

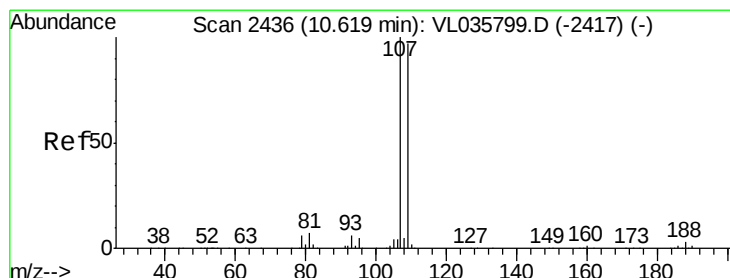
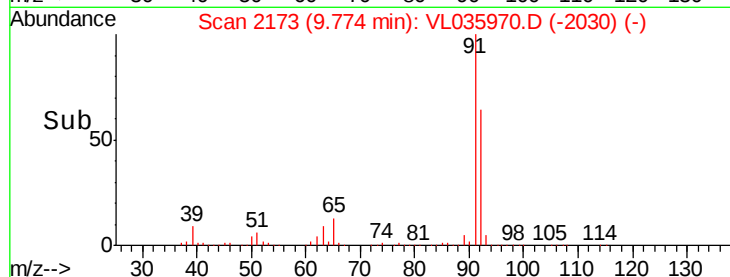
1000000

500000

0

Time-->

9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 9.863 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.04 min

Lab File: VL035970.D

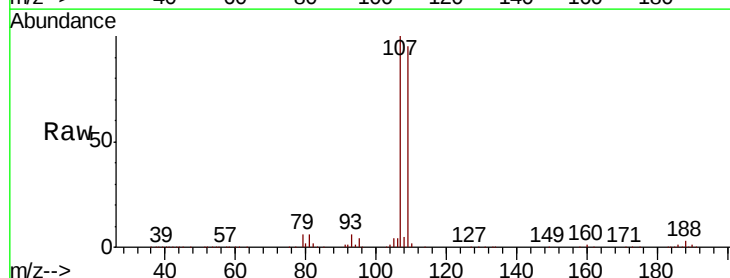
Acq: 18 Nov 2020 10:19

Tgt Ion:107 Resp: 2340511

Ion Ratio Lower Upper

107 100

109 95.4 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.58

1000000

800000

600000

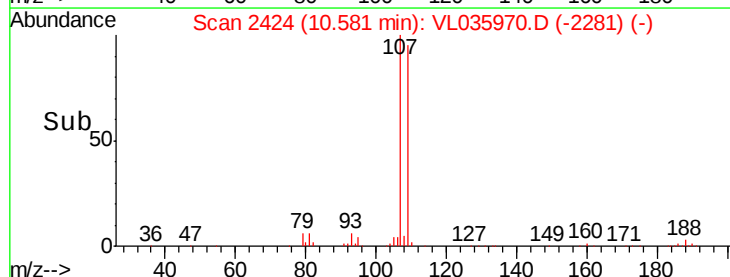
400000

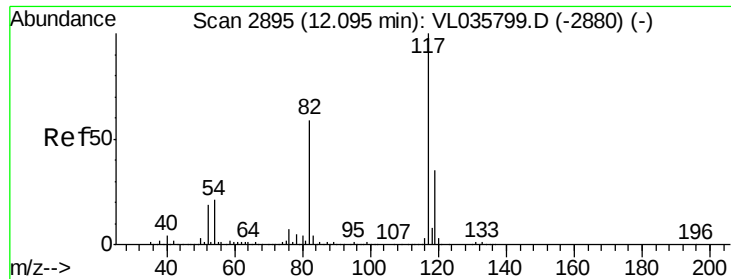
200000

0

Time-->

10.50 10.60 10.70

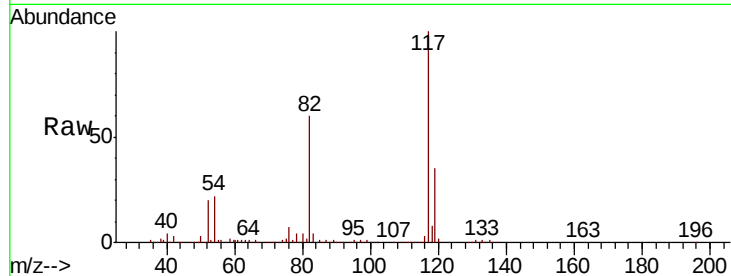




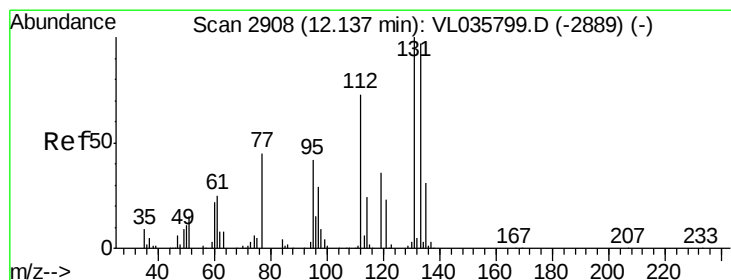
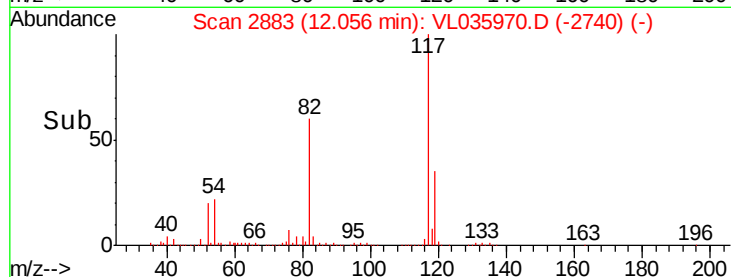
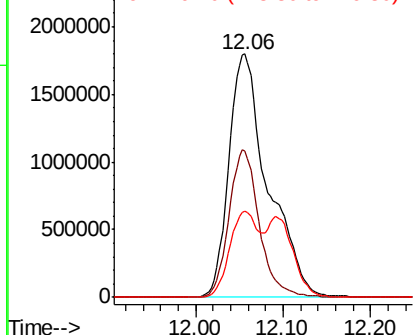
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 5584419
Ion Ratio Lower Upper
117 100
82 47.1 50.6 76.0#
119 24.3 52.6 78.8#

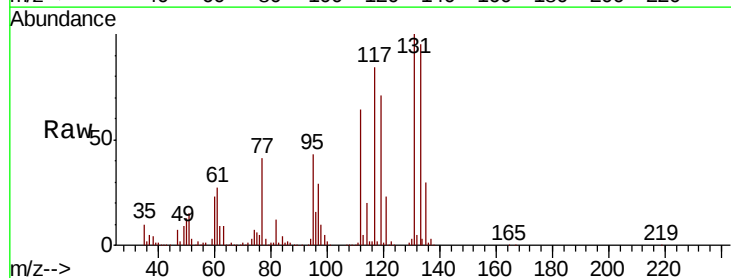


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

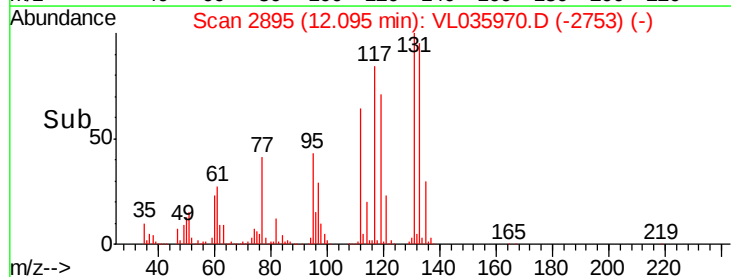
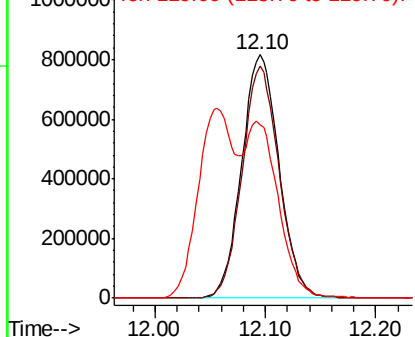


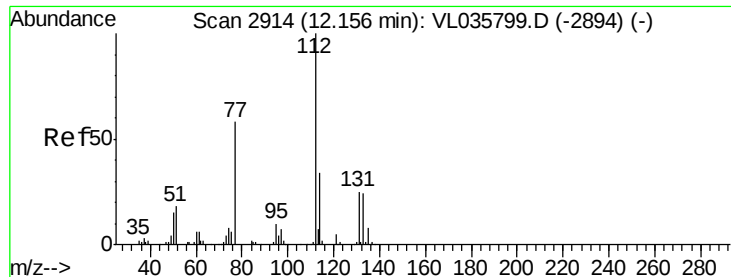
#56
1,1,1,2-Tetrachloroethane
Concen: 7.642 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion:131 Resp: 1915335
Ion Ratio Lower Upper
131 100
133 94.9 76.8 115.2
119 72.7 47.4 71.0#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

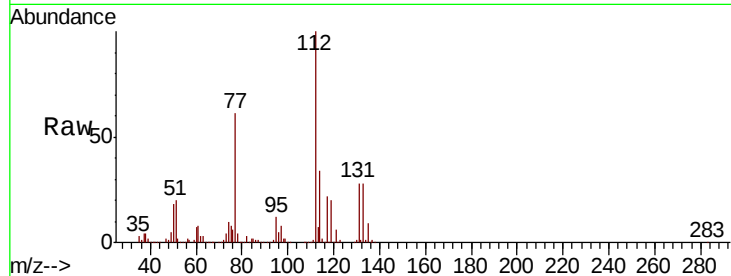




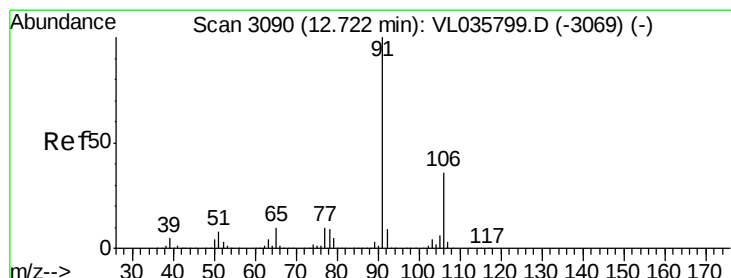
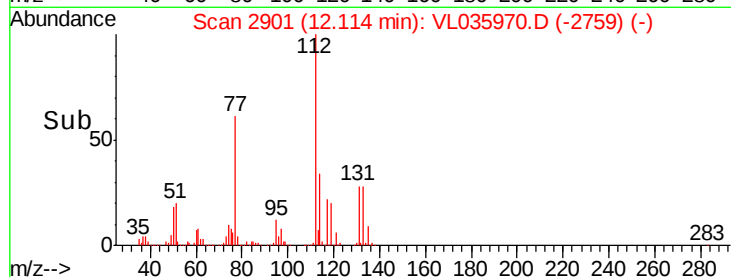
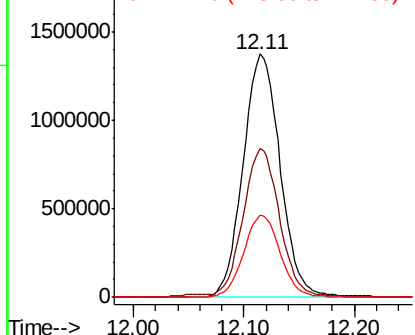
#57
Chlorobenzene
Concen: 7.207 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 3200045
Ion Ratio Lower Upper
112 100
77 60.4 47.5 71.3
114 33.6 30.3 37.1

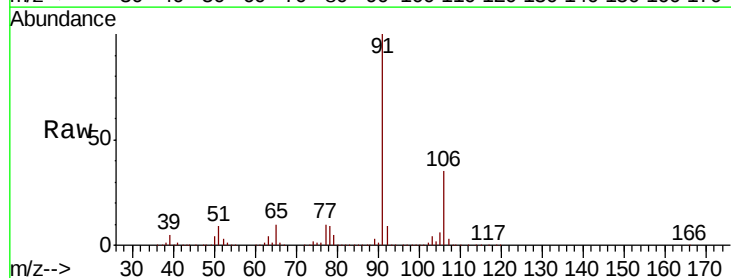


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

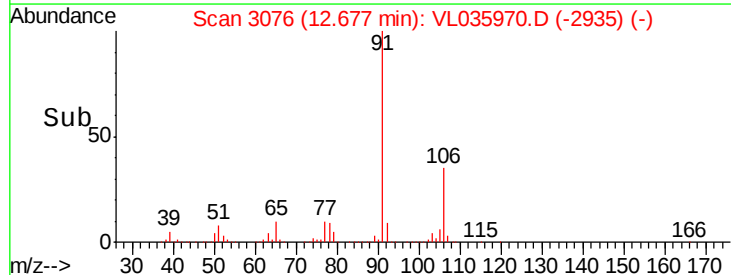
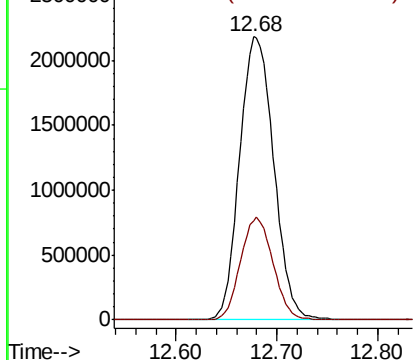


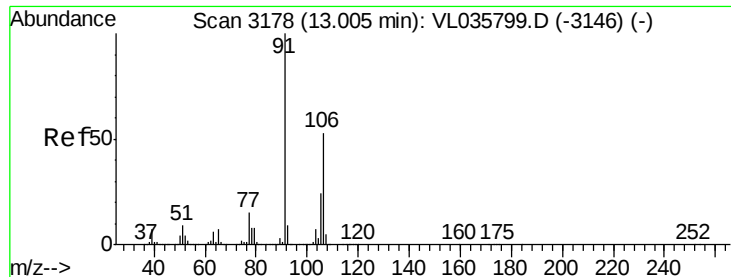
#58
Ethyl Benzene
Concen: 7.519 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.05 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 91 Resp: 5114005
Ion Ratio Lower Upper
91 100
106 35.1 28.6 43.0



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

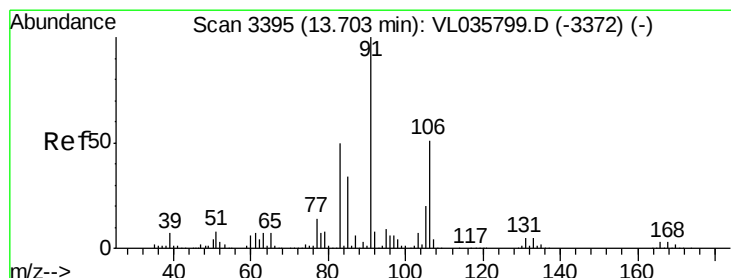
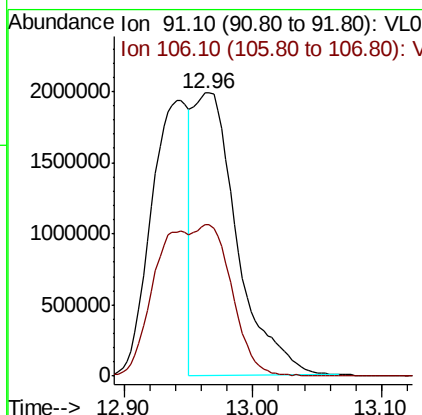
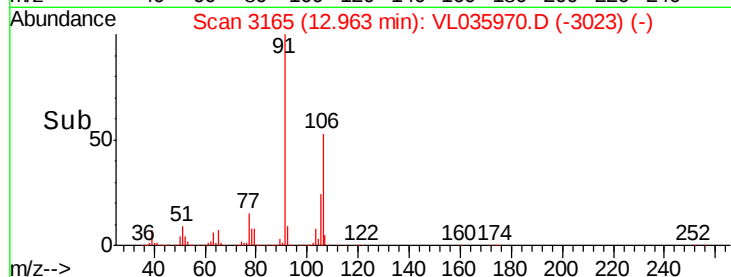
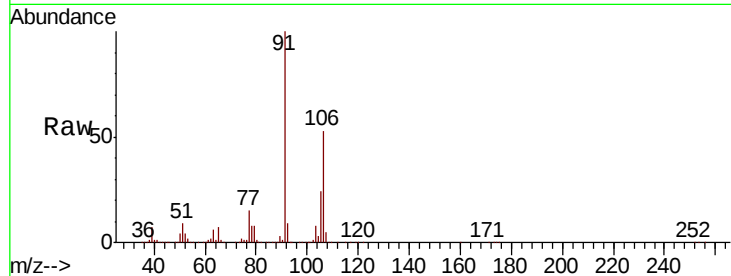




#59
m/p-Xylene
Concen: 8.166 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

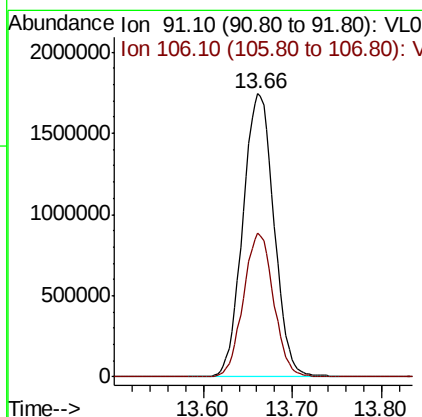
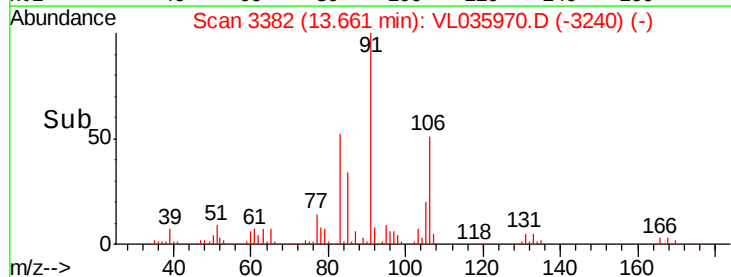
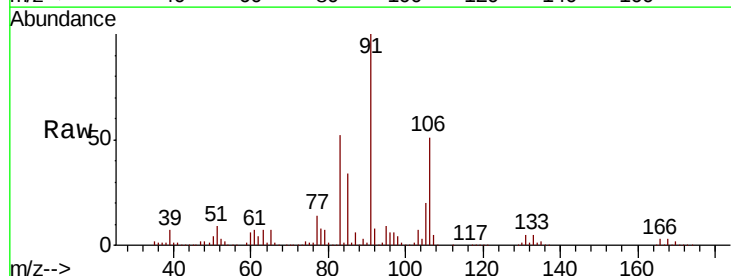
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

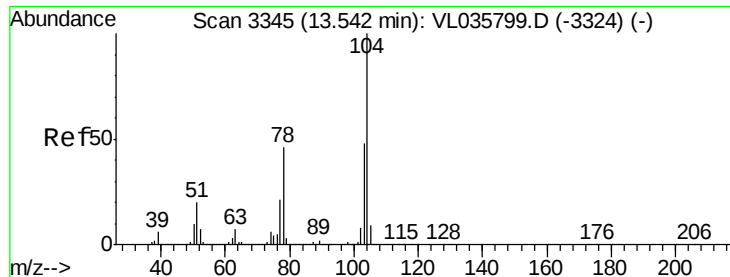
Tot Ion: 91 Resp: 4699197
Ion Ratio Lower Upper
91 100
106 90.9 39.5 59.3#



#60
o-Xylene
Concen: 7.553 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 91 Resp: 4228086
Ion Ratio Lower Upper
91 100
106 49.4 24.8 74.4

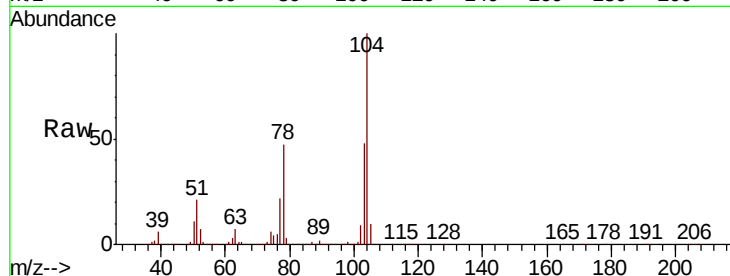




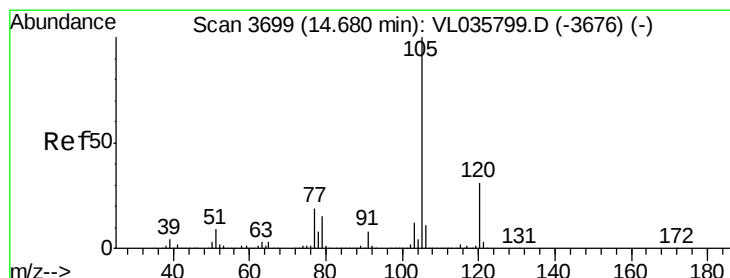
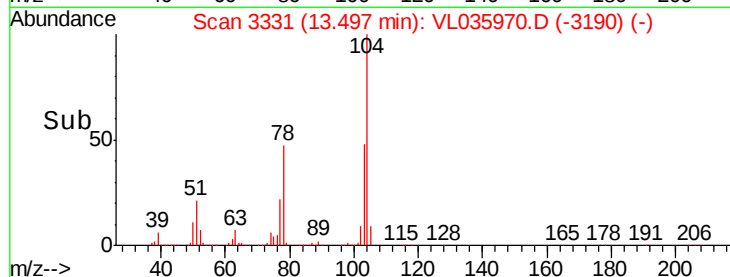
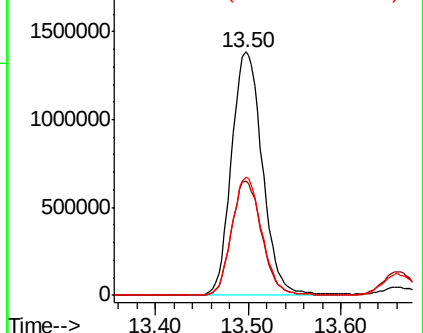
#61
Stvrene
Concen: 7.797 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.05 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 3198133
Ion Ratio Lower Upper
104 100
78 46.1 37.1 55.7
103 47.4 37.9 56.9

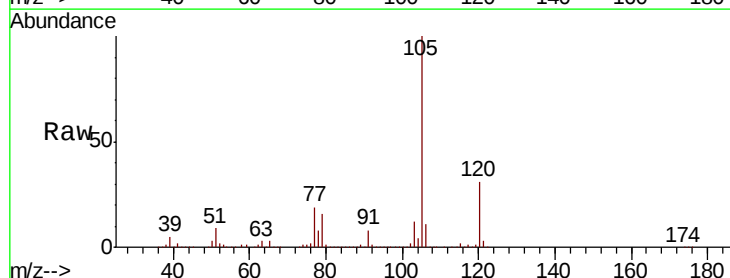


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

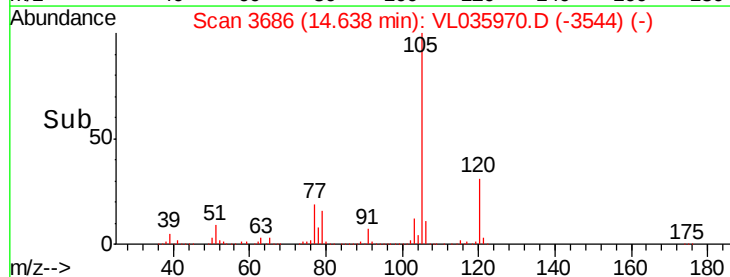
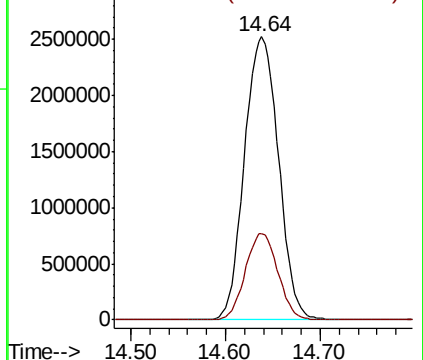


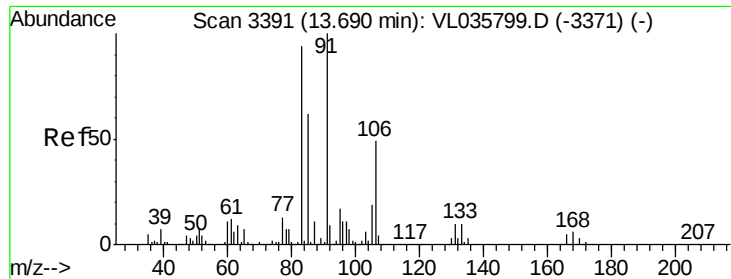
#62
Isopropylbenzene
Concen: 7.167 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion:105 Resp: 6306111
Ion Ratio Lower Upper
105 100
120 29.2 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

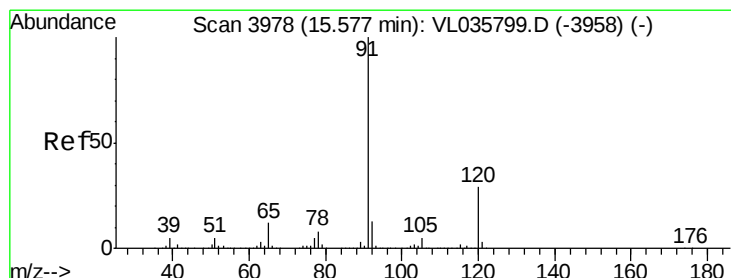
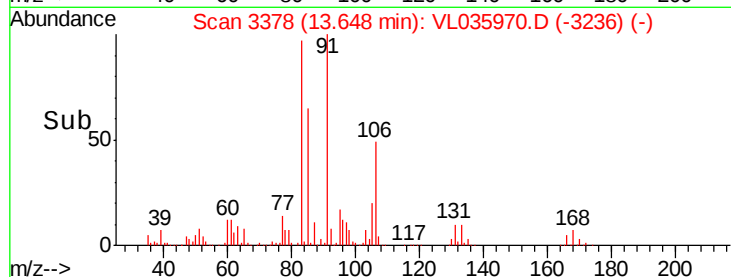
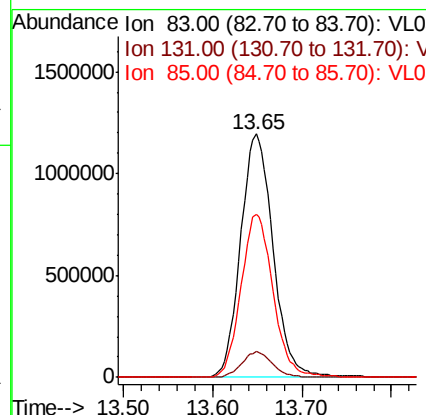
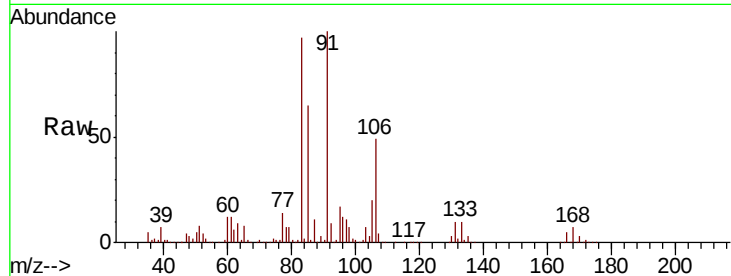




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.969 ppbv
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

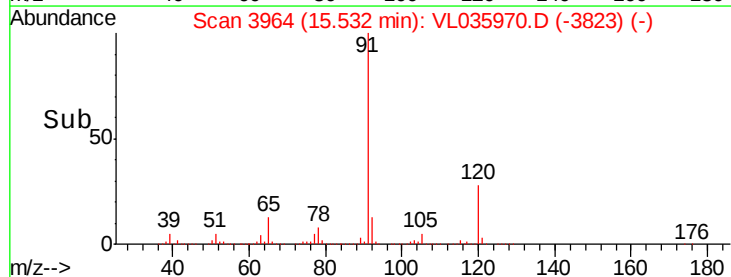
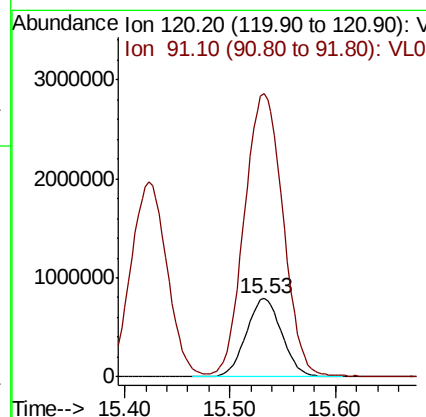
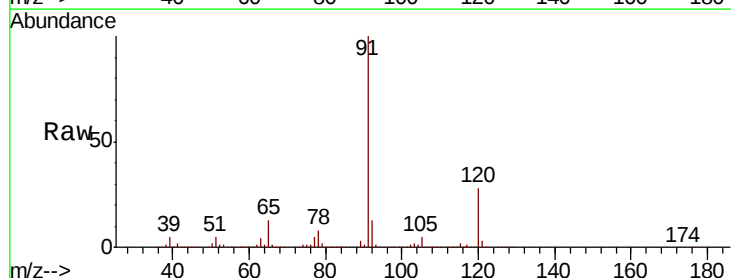
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

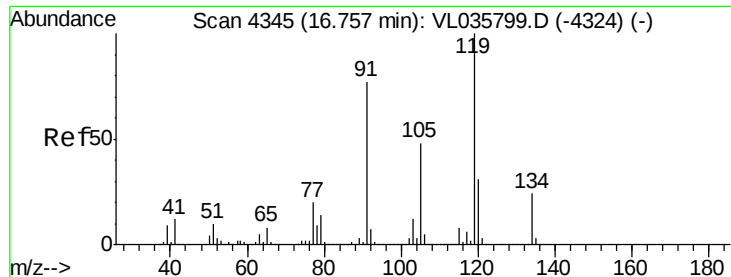
Tot Ion: 83 Resp: 3022579
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.3 15.8
 85 66.7 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.309 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.05 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion:120 Resp: 1858704
 Ion Ratio Lower Upper
 120 100
 91 394.3 311.1 466.7





#65

tert-Butylbenzene

Concen: 6.969 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

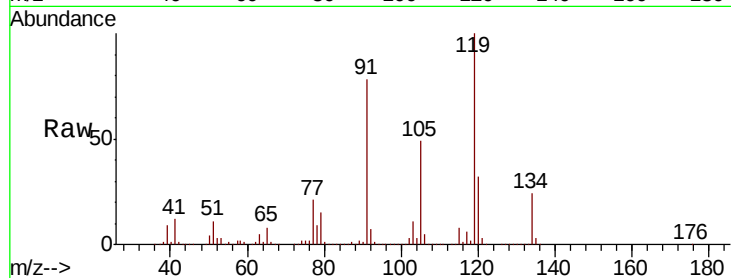
Tot Ion:119 Resp: 5580931

Ion Ratio Lower Upper

119 100

91 77.8 62.0 93.0

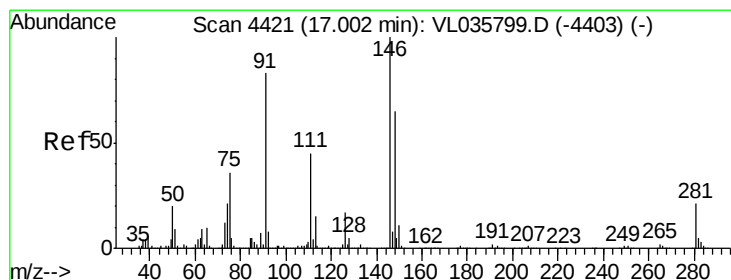
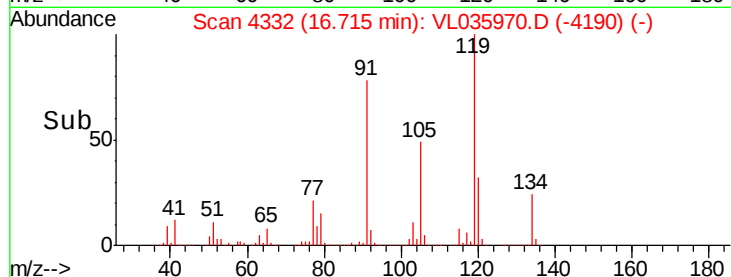
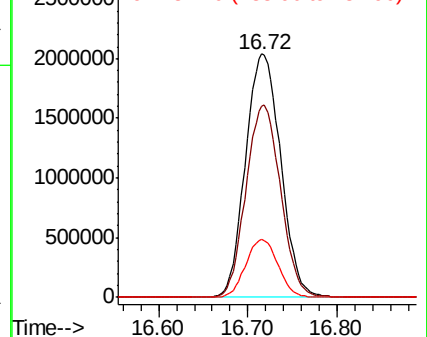
134 22.0 17.8 26.8



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: 7.413 ppbv

RT: 16.96 min Scan# 4408

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

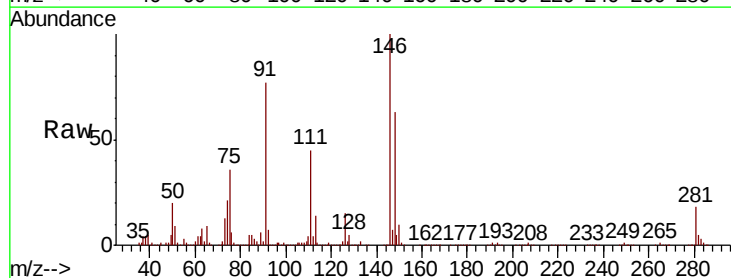
Tgt Ion: 91 Resp: 1962324

Ion Ratio Lower Upper

91 100

126 19.2 16.0 24.0

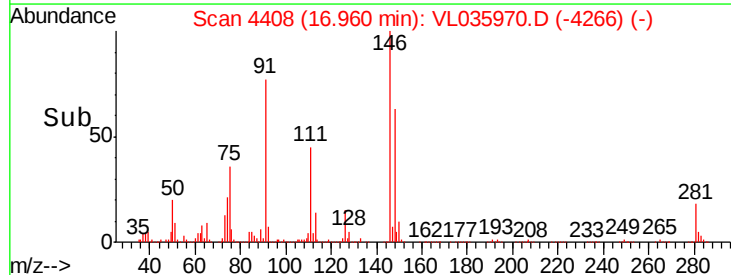
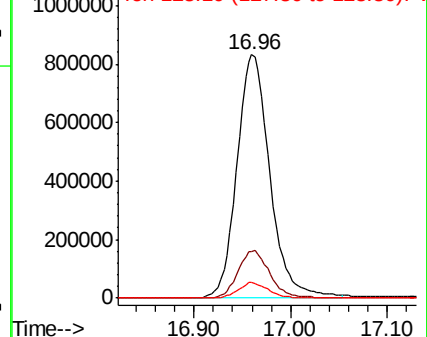
128 6.1 5.0 7.4

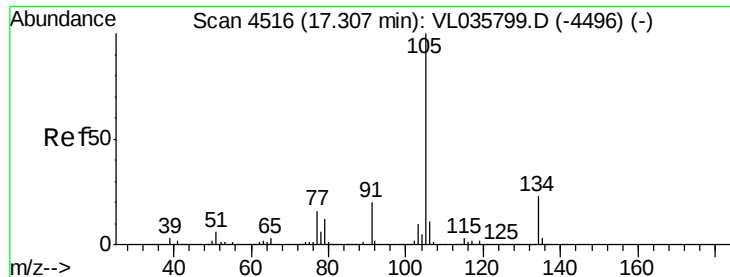


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

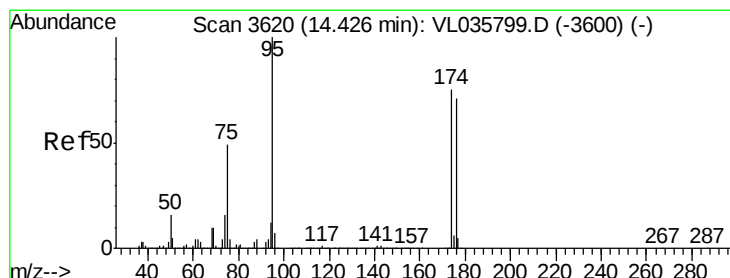
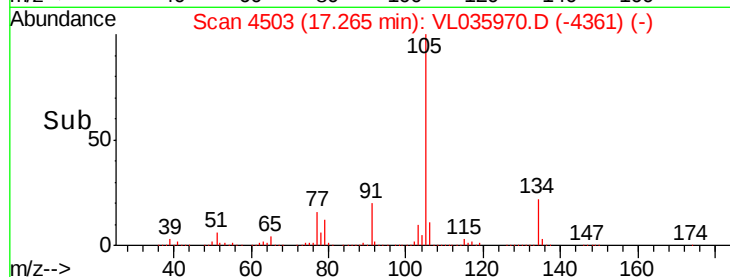
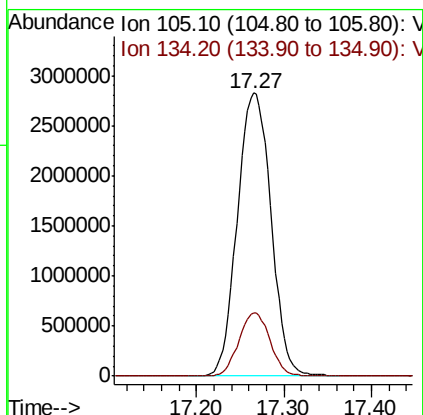
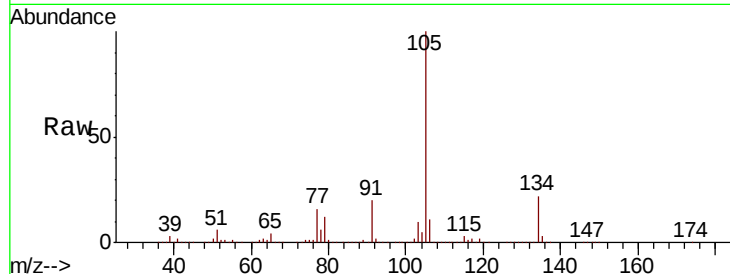




#67
 sec-Butylbenzene
 Concen: 6.990 ppbv
 RT: 17.27 min Scan# 4503
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

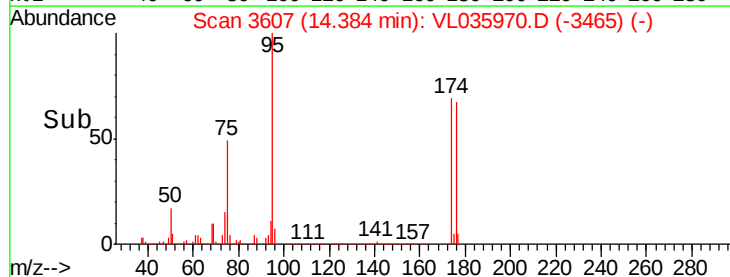
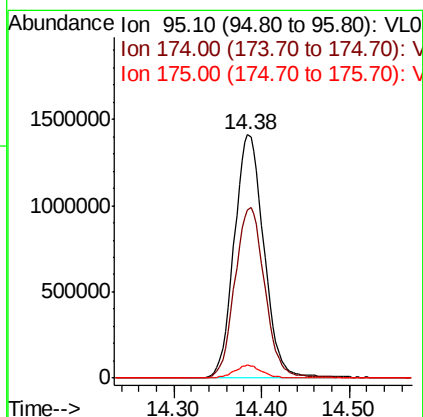
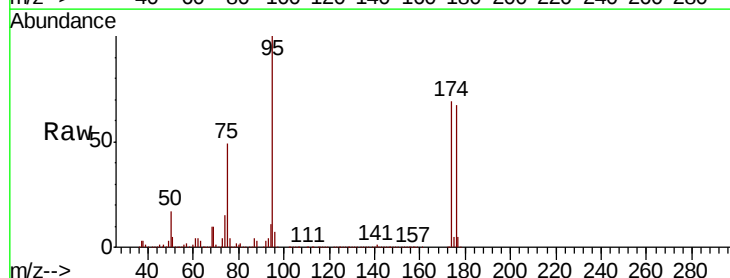
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

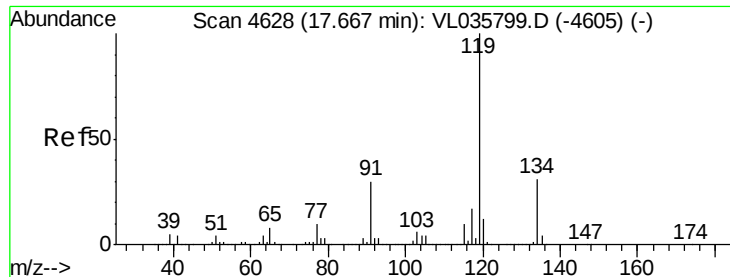
Tot Ion:105 Resp: 7543871
 Ion Ratio Lower Upper
 105 100
 134 20.8 17.0 25.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.390 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 95 Resp: 3328712
 Ion Ratio Lower Upper
 95 100
 174 71.3 59.8 89.6
 175 5.1 4.3 6.5

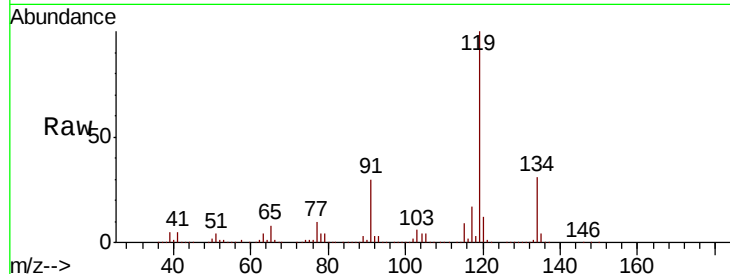




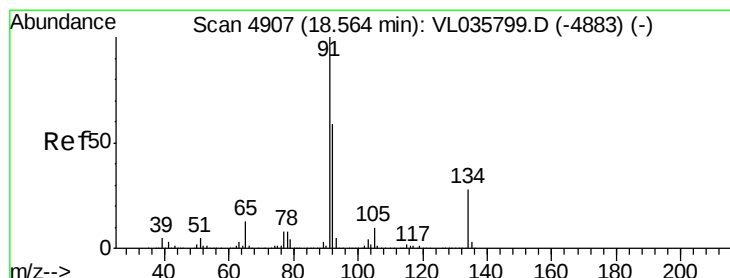
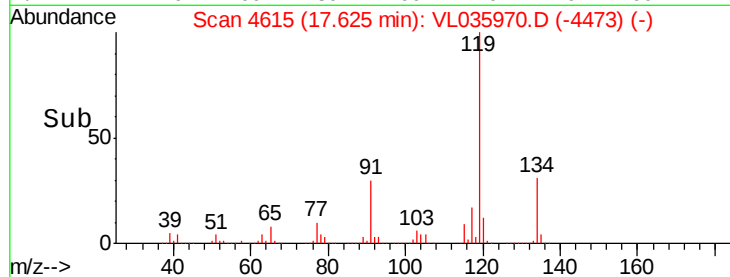
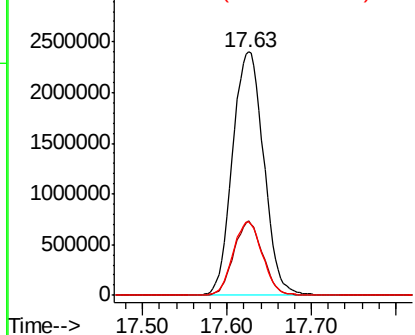
#69
 p-Isopropyltoluene
 Concen: 6.949 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 6189021
 Ion Ratio Lower Upper
 119 100
 134 28.3 23.0 34.6
 91 28.5 22.8 34.2

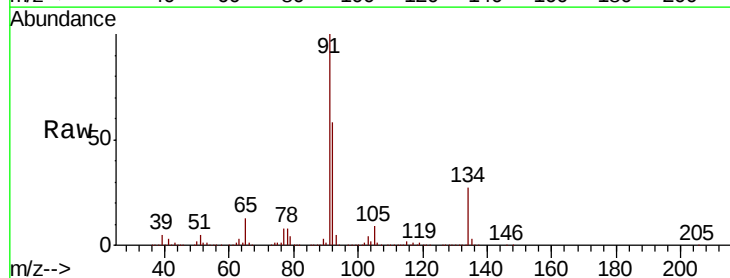


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

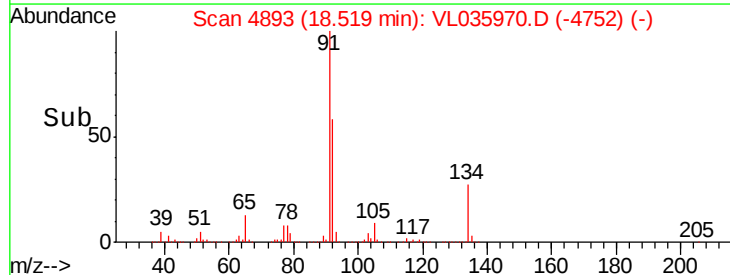
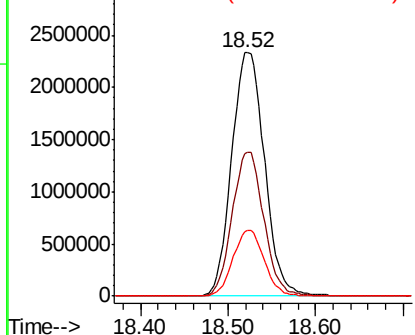


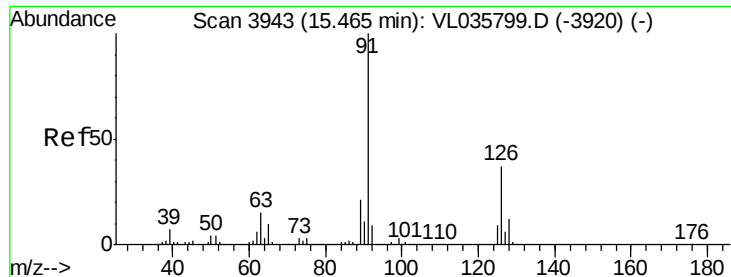
#70
 n-Butylbenzene
 Concen: 7.097 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T. -0.05 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 91 Resp: 6086542
 Ion Ratio Lower Upper
 91 100
 92 57.1 45.7 68.5
 134 25.8 21.0 31.4



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

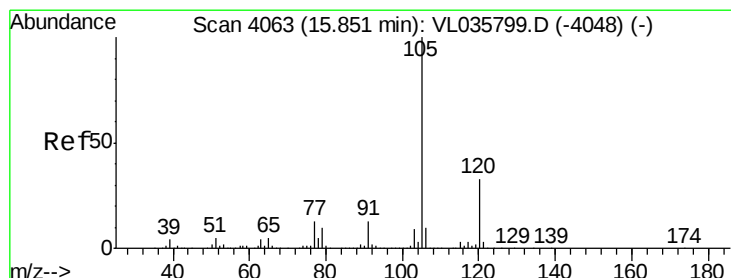
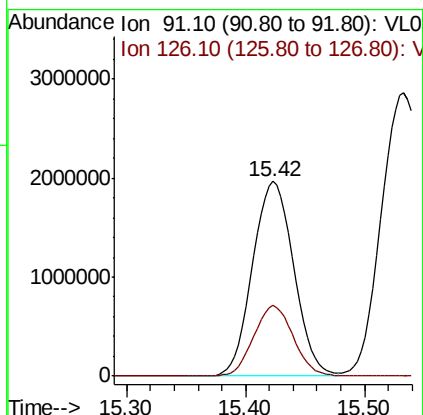
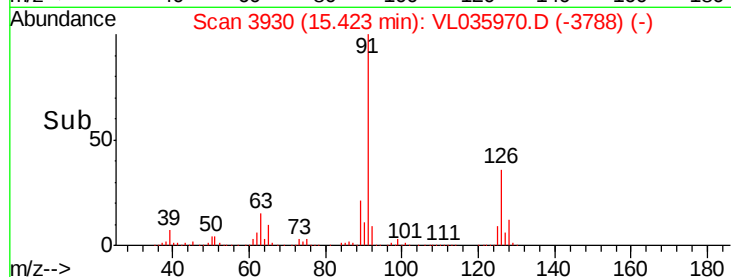
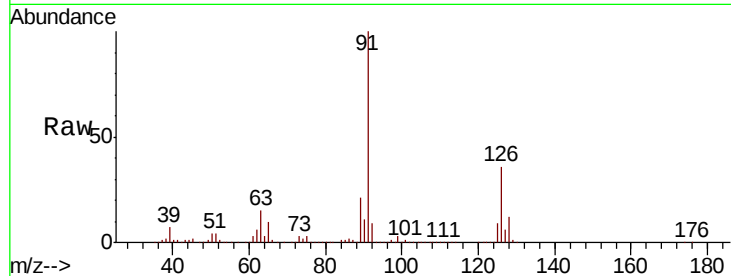




#71
 2-Chlorotoluene
 Concen: 7.343 ppbv
 RT: 15.42 min Scan# 3930
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

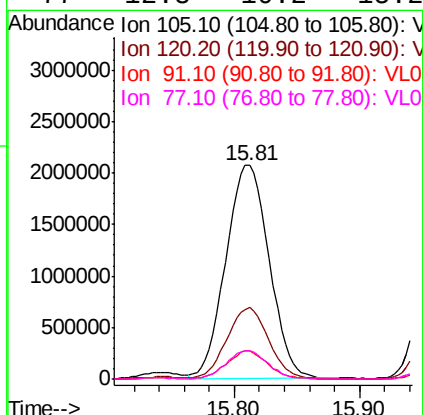
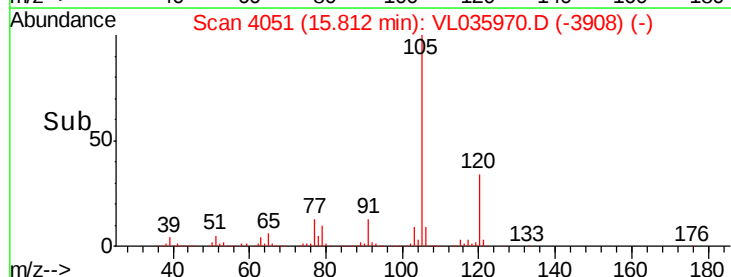
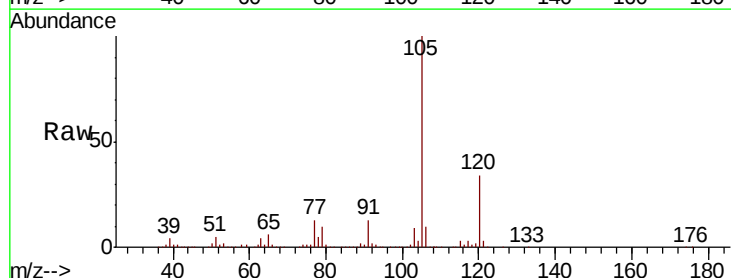
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

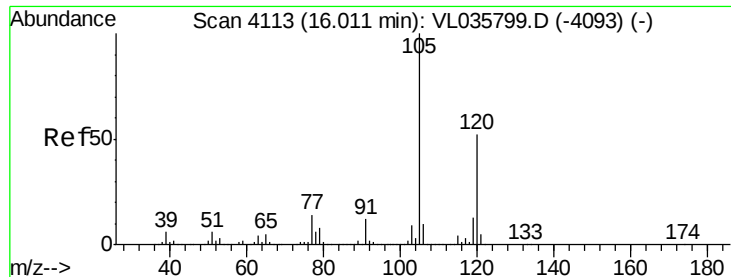
Tot Ion: 91 Resp: 4725792
 Ion Ratio Lower Upper
 91 100
 126 34.9 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 7.299 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 105 Resp: 4955735
 Ion Ratio Lower Upper
 105 100
 120 32.4 25.9 38.9
 91 12.4 9.9 14.9
 77 12.8 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 7.351 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

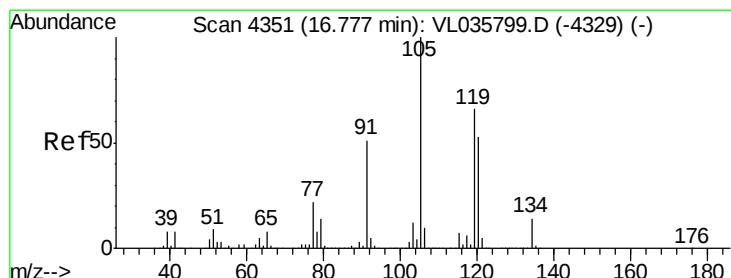
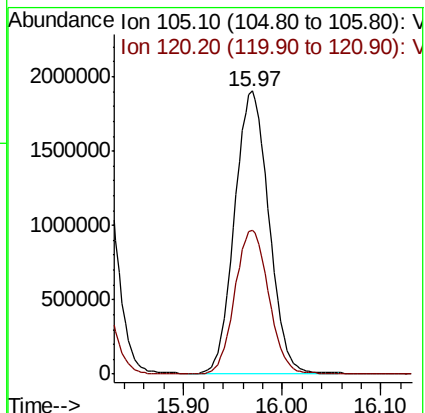
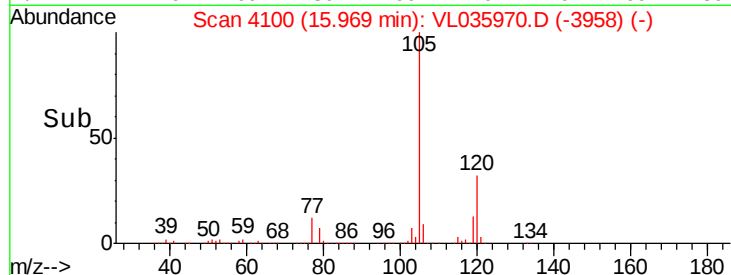
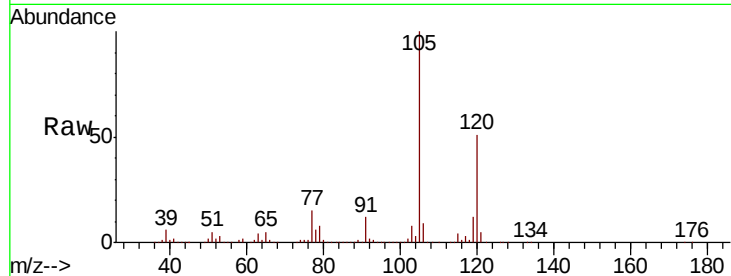
VSTDCCC010

Tot Ion:105 Resp: 4567017

Ion Ratio Lower Upper

105 100

120 50.7 41.4 62.2



#74

1,2,4-Trimethylbenzene

Concen: 7.109 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion:105 Resp: 4732928

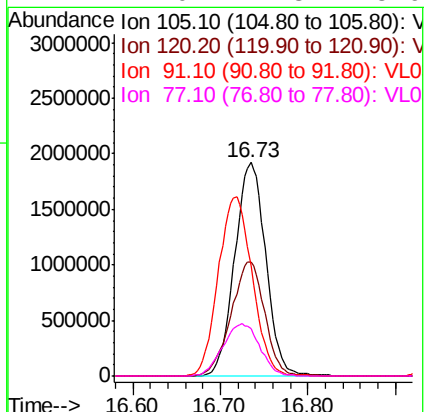
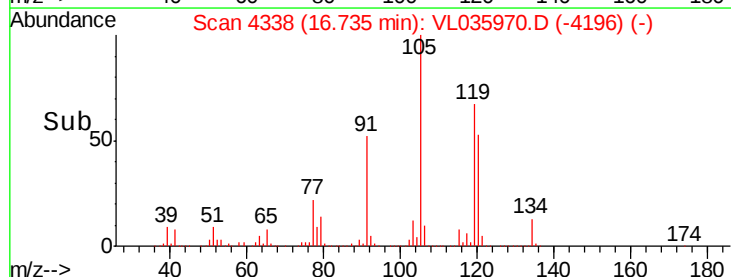
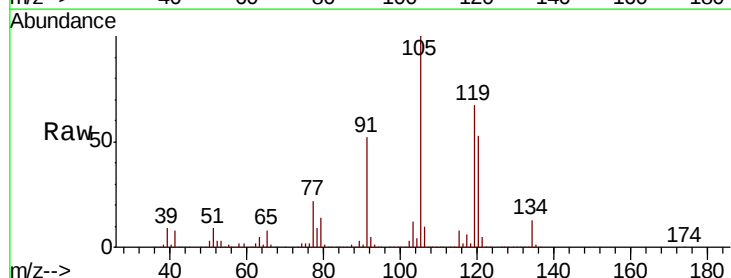
Ion Ratio Lower Upper

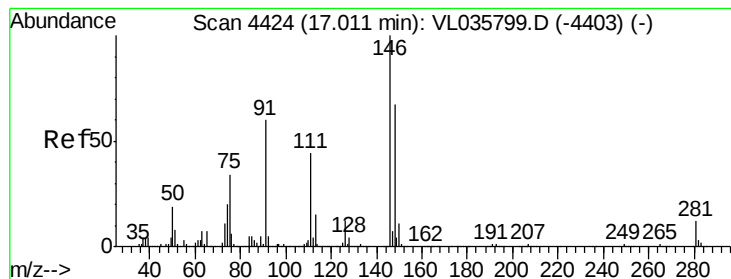
105 100

120 53.1 42.0 63.0

91 51.6 41.0 61.6

77 22.0 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 6.891 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

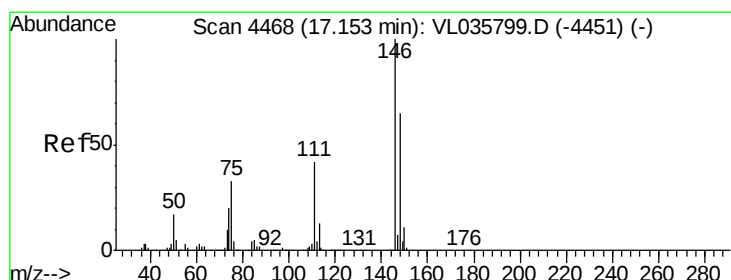
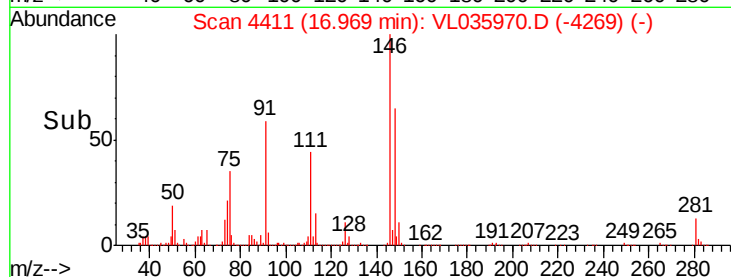
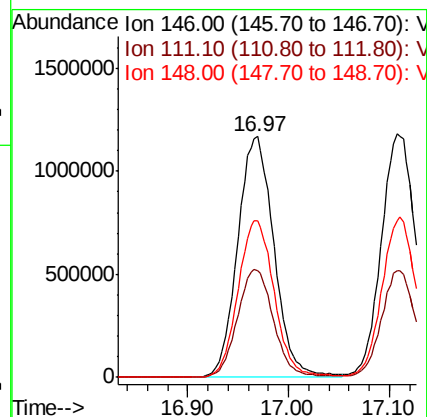
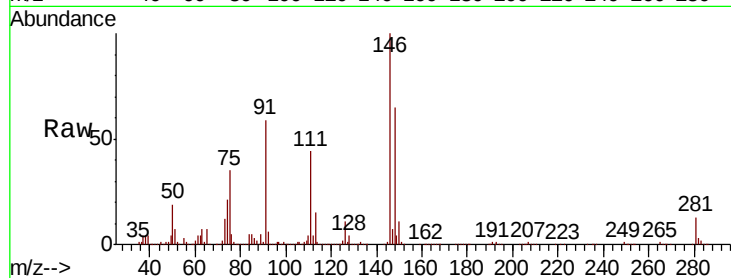
Tot Ion:146 Resp: 2921026

Ion Ratio Lower Upper

146 100

111 44.5 21.8 65.4

148 64.8 32.5 97.5



#76

1,4-Dichlorobenzene

Concen: 7.027 ppbv

RT: 17.11 min Scan# 4454

Delta R.T. -0.05 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

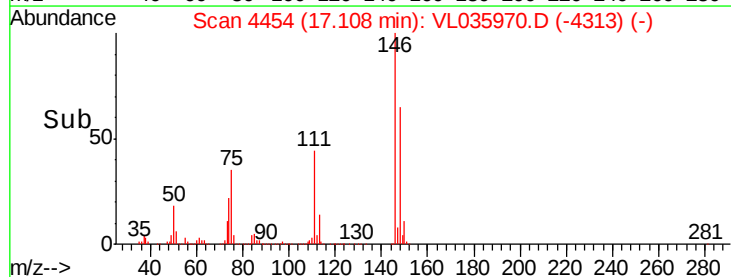
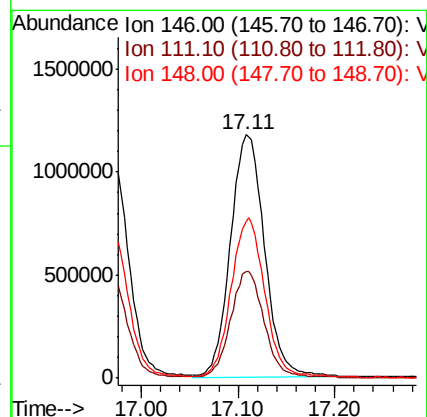
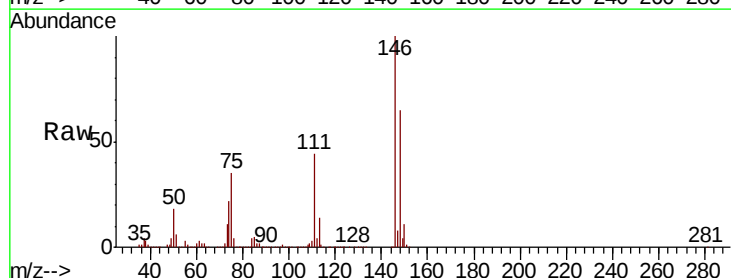
Tgt Ion:146 Resp: 2873497

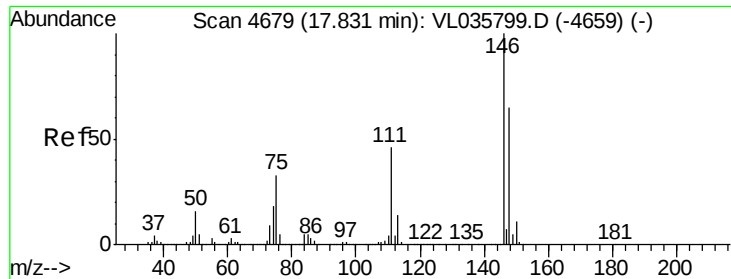
Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.7

148 65.5 33.0 99.0





#77

1,2-Dichlorobenzene

Concen: 6.820 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

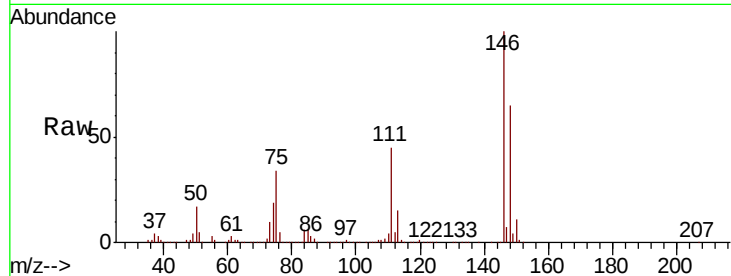
Tot Ion:146 Resp: 2817939

Ion Ratio Lower Upper

146 100

111 45.9 22.4 67.0

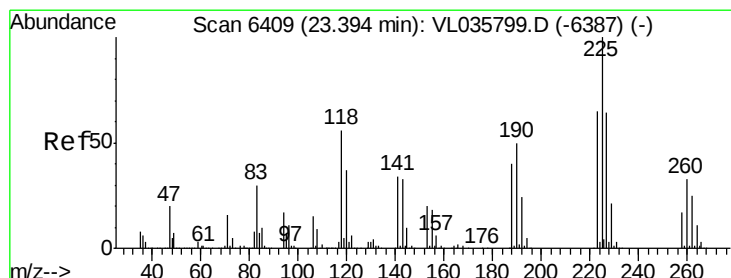
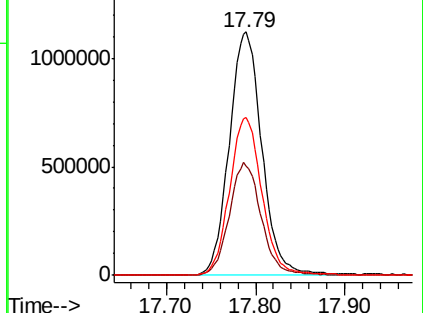
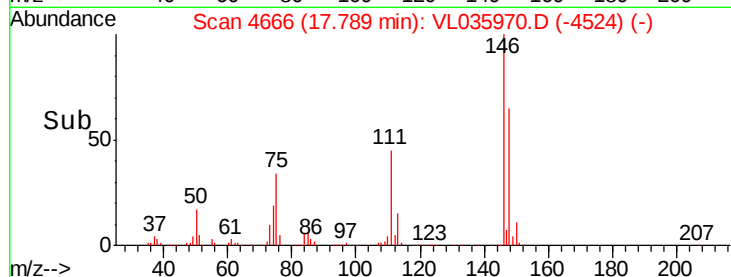
148 65.1 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.642 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

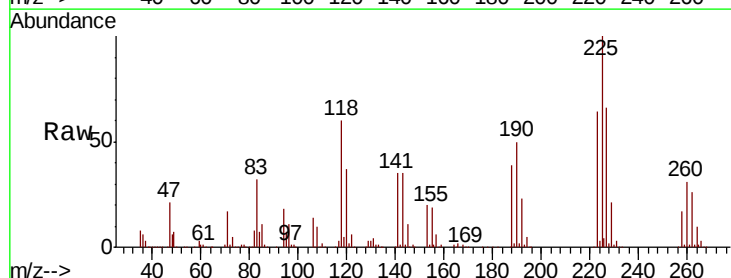
Tgt Ion:225 Resp: 1280574

Ion Ratio Lower Upper

225 100

223 64.0 51.0 76.6

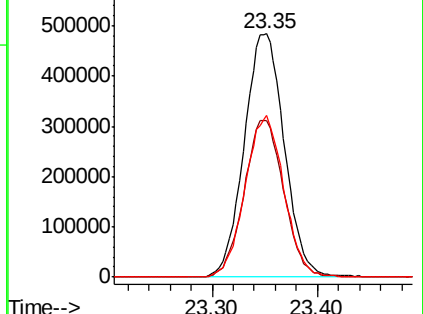
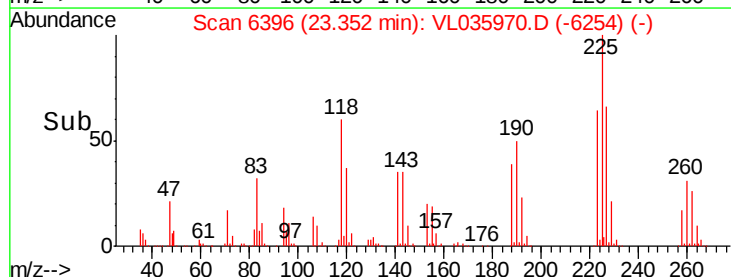
227 64.5 51.2 76.8

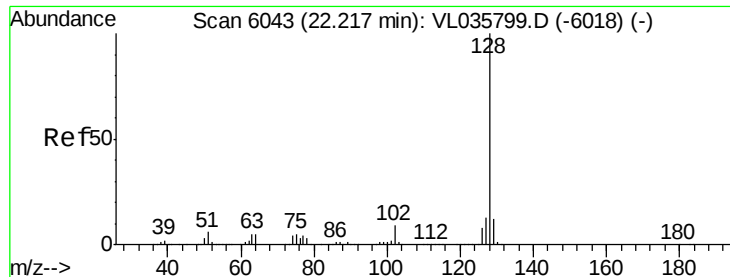


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.818 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. -0.05 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

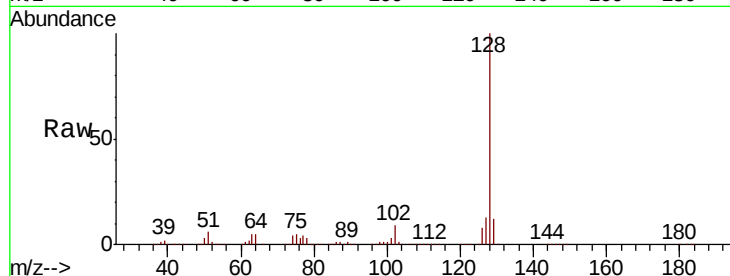
Tot Ion:128 Resp: 3164069

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

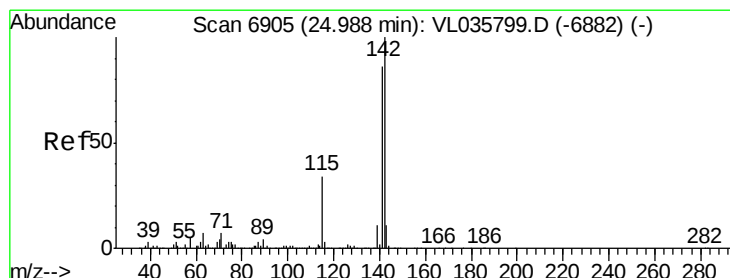
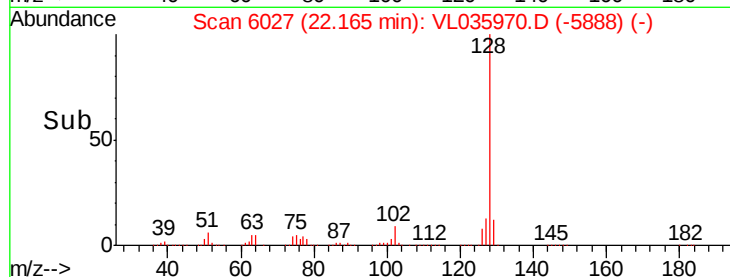
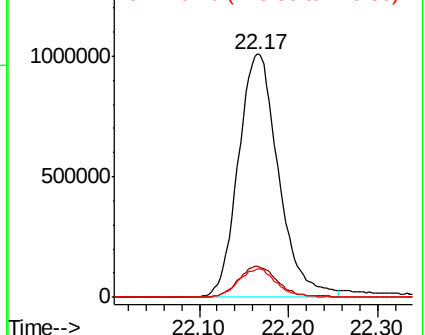
129 11.6 9.2 13.8



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: 6.776 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

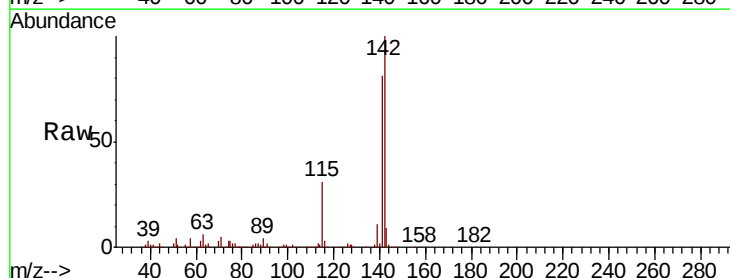
Tgt Ion:142 Resp: 512472

Ion Ratio Lower Upper

142 100

141 84.3 67.8 101.8

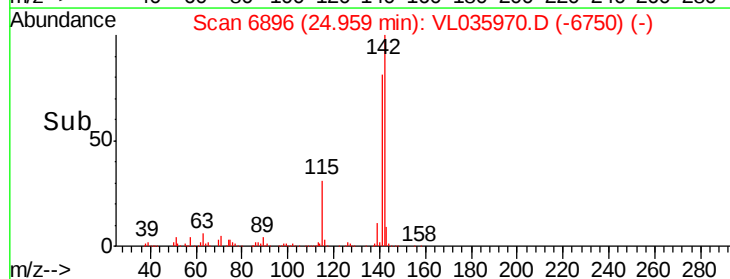
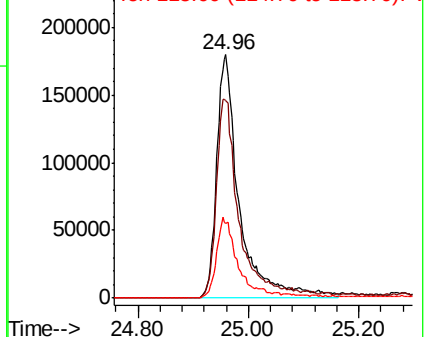
115 32.3 28.1 42.1

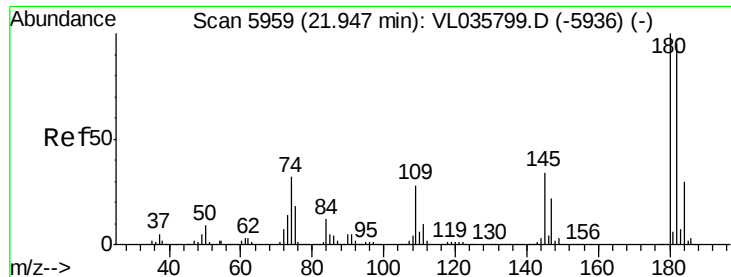


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

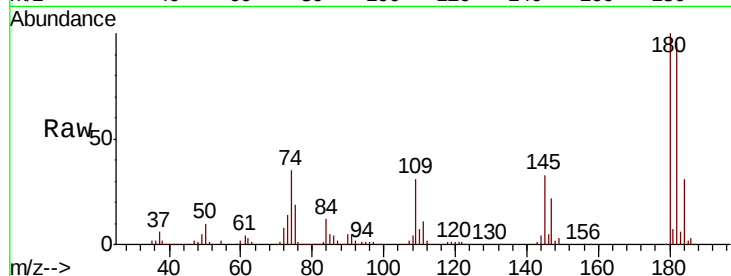




#81
 1,2,4-Trichlorobenzene
 Concen: 6.427 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.05 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1666345
 Ion Ratio Lower Upper
 180 100
 182 98.8 77.2 115.8
 184 31.8 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

