

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035910.D
 Acq On : 12 Nov 2020 11:51
 Operator : SY/AP
 Sample : VL1112ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

Quant Time: Nov 13 00:56:43 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	5.67	49	1122399	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4149480	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5096999	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3011635	8.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2001908	9.474	ppbv 99
3) Chlorodifluoromethane	2.98	51	1277221	9.502	ppbv 99
4) Chloromethane	3.13	50	626819	9.599	ppbv 99
5) Vinyl Chloride	3.25	62	783092	9.408	ppbv 100
6) Bromomethane	3.47	94	639978	9.560	ppbv 100
7) Chloroethane	3.55	64	288550	9.850	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2245164	9.284	ppbv 97
9) Propene	3.00	41	456216	9.273	ppbv 95
10) Heptane	8.13	43	1402324	10.320	ppbv 99
11) Trichlorofluoromethane	3.94	101	2668020	10.055	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1956922	9.906	ppbv 100
13) Ethanol	3.60	45	81133	7.602	ppbv 95
14) Bromoethene	3.73	108	818545	9.003	ppbv 99
15) Acetone	3.84	43	1124612	9.372	ppbv 99
16) 1,3-Butadiene	3.32	39	512845	9.927	ppbv 97
17) tert-Butyl alcohol	4.29	59	1406824	8.846	ppbv 100
18) 1,1-Dichloroethene	4.29	96	886415	9.772	ppbv 97
19) Isopropyl Alcohol	3.97	45	622128	8.437	ppbv # 97
20) Methylene Chloride	4.34	84	711262	8.420	ppbv 99
21) Allyl Chloride	4.41	41	636458	9.808	ppbv 96
22) trans-1,2-Dichloroethene	4.88	96	915203	9.953	ppbv 98
23) Vinyl Acetate	5.07	43	1575072	9.364	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1565595	9.770	ppbv 100
25) Ethyl Acetate	5.68	43	2369118	10.022	ppbv 99
26) Hexane	5.69	57	1230651	9.440	ppbv 97
27) Carbon Disulfide	4.55	76	1935448	9.908	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2112184	9.022	ppbv 99
29) Chloroform	5.75	83	2442437	9.532	ppbv 98
30) Cyclohexane	7.13	84	1279660	9.012	ppbv 95
31) cis-1,2-Dichloroethene	5.55	61	1296004	9.663	ppbv 94
32) 1,1,1-Trichloroethane	6.51	97	2363888	8.841	ppbv 98
34) 2-Butanone	5.24	43	1489557	11.061	ppbv 97
35) Carbon Tetrachloride	7.02	117	2386094	10.762	ppbv 98
36) Benzene	6.89	78	3048686	9.883	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1551920	11.105	ppbv 98
38) Trichloroethene	7.84	130	1424973	9.457	ppbv 96
39) 1,2-Dichloropropane	7.62	63	1074020	10.341	ppbv 98
40) 1,4-Dioxane	7.83	88	458737	9.319	ppbv 77
41) Tetrahydrofuran	6.05	42	886146	11.582	ppbv 96
42) Bromodichloromethane	7.79	83	2515425	10.667	ppbv 97
43) Methyl Methacrylate	8.02	69	1266376	10.762	ppbv 95

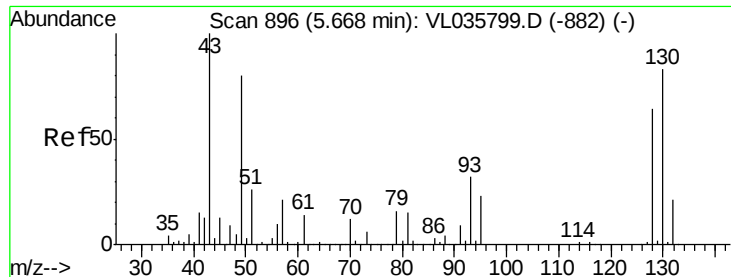
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035910.D
 Acq On : 12 Nov 2020 11:51
 Operator : SY/AP
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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)
44) 2,2,4-Trimethylpentane	7.87	57	4256869	10.428	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1358543	10.891	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1693566	10.721	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1429606	10.102	ppbv	99
48) Dibromochloromethane	10.31	129	2361398	10.922	ppbv	100
49) Bromoform	13.05	173	2037127	11.166	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2369849	11.508	ppbv	98
51) 2-Hexanone	10.14	43	1956510	11.827	ppbv	98
52) Tetrachloroethene	11.23	164	1321158	9.040	ppbv	97
53) Toluene	9.81	91	3721691	9.998	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2179581	10.127	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1837795	8.034	ppbv	98
57) Chlorobenzene	12.15	112	3072270	7.581	ppbv	99
58) Ethyl Benzene	12.72	91	4913022	7.914	ppbv	100
59) m/p-Xylene	13.00	91	4615636	8.788	ppbv #	42
60) o-Xylene	13.70	91	4121470	8.067	ppbv	99
61) Styrene	13.54	104	3106000	8.297	ppbv	99
62) Isopropylbenzene	14.68	105	6198723	7.719	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3042541	7.686	ppbv	99
64) n-propylbenzene	15.57	120	1850441	7.972	ppbv	97
65) tert-Butylbenzene	16.75	119	5739626	7.852	ppbv	99
66) Benzyl Chloride	17.00	91	2094720	8.670	ppbv	99
67) sec-Butylbenzene	17.30	105	7783987	7.902	ppbv	100
69) p-Isopropyltoluene	17.66	119	6595022	8.113	ppbv	99
70) n-Butylbenzene	18.56	91	6663855	8.513	ppbv	99
71) 2-Chlorotoluene	15.46	91	4771051	8.123	ppbv	98
72) 4-Ethyltoluene	15.85	105	5040358	8.134	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4708741	8.303	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4961289	8.165	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3102573	8.019	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3074966	8.239	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3058085	8.109	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1767596	10.045	ppbv	99
79) Naphthalene	22.21	128	4472430	10.559	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	909486	13.176	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2299156	9.715	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

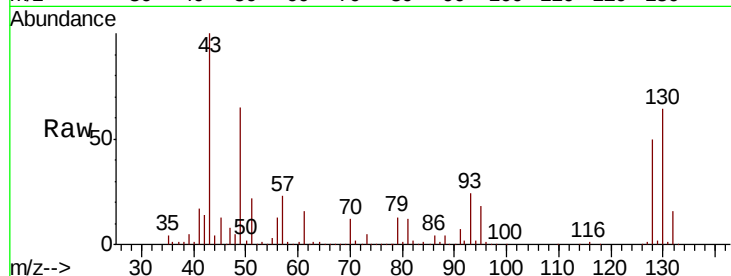
Tot Ion: 49 Resp: 1122399

Ion Ratio Lower Upper

49 100

128 79.3 41.5 124.6

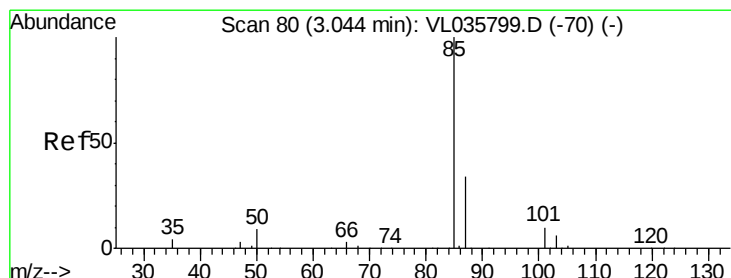
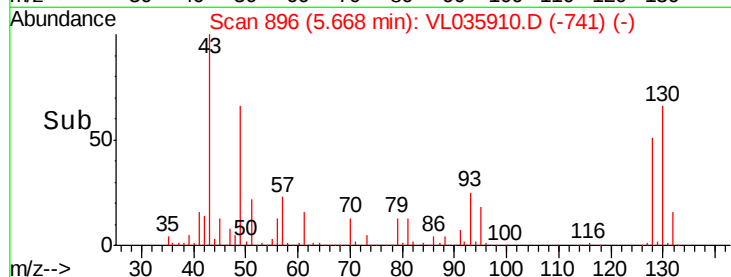
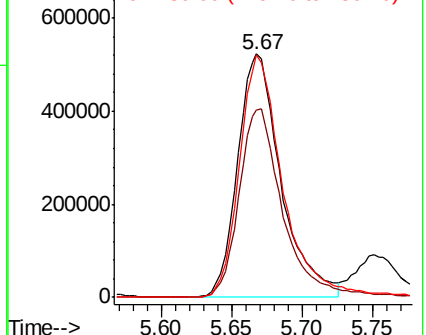
130 101.2 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.474 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035910.D

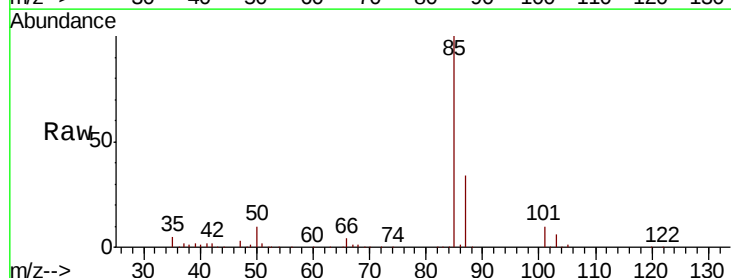
Acq: 12 Nov 2020 11:51

Tgt Ion: 85 Resp: 2001908

Ion Ratio Lower Upper

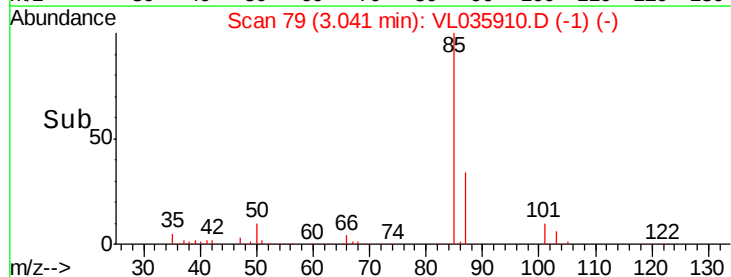
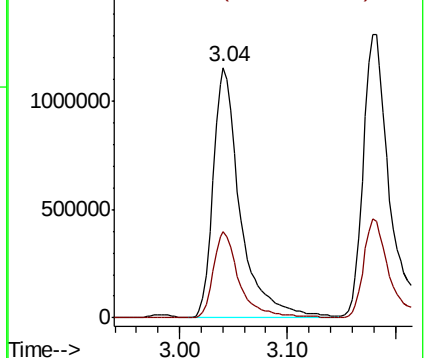
85 100

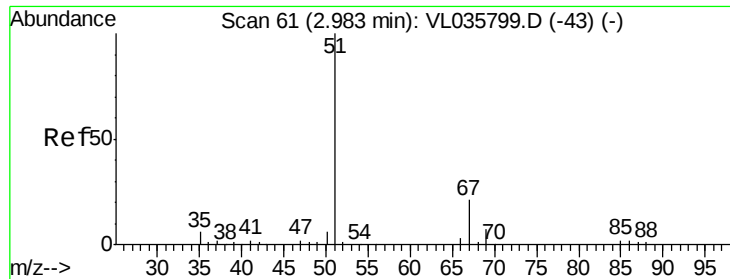
87 34.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.502 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

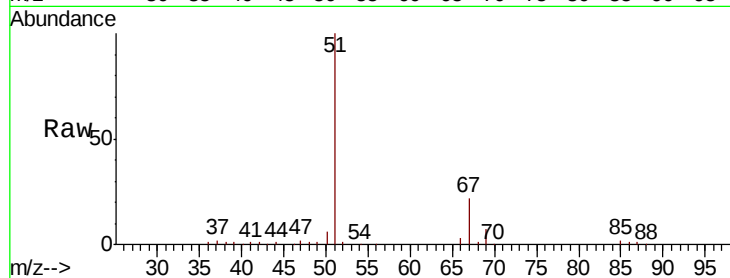
VL1112ABS01

Tot Ion: 51 Resp: 1277221

Ion Ratio Lower Upper

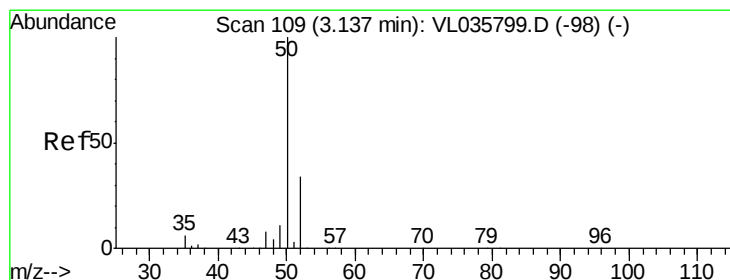
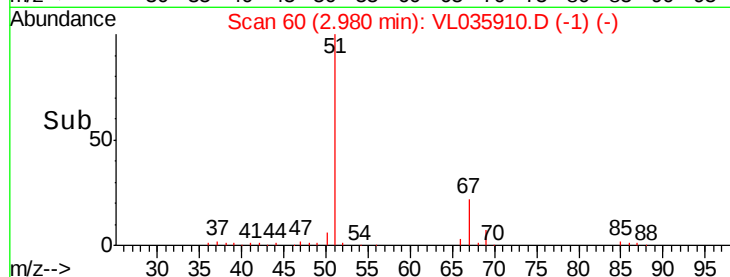
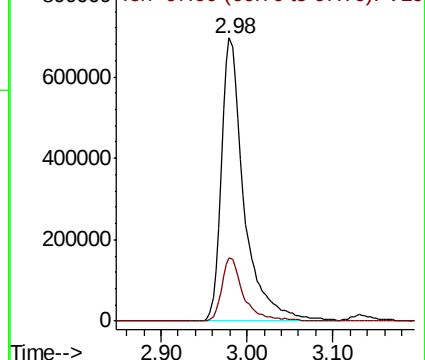
51 100

67 21.7 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.599 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035910.D

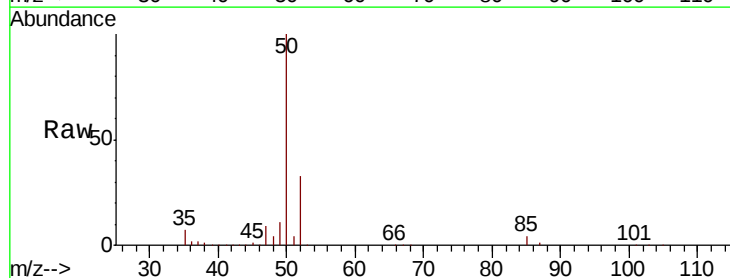
Acq: 12 Nov 2020 11:51

Tgt Ion: 50 Resp: 626819

Ion Ratio Lower Upper

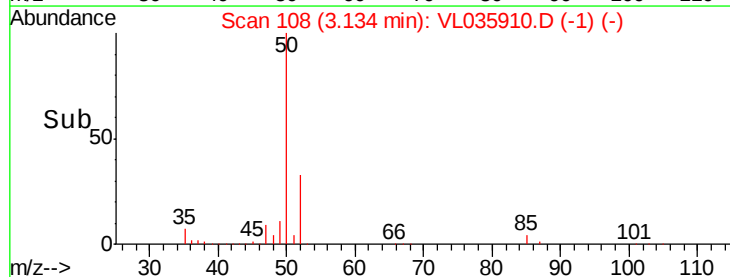
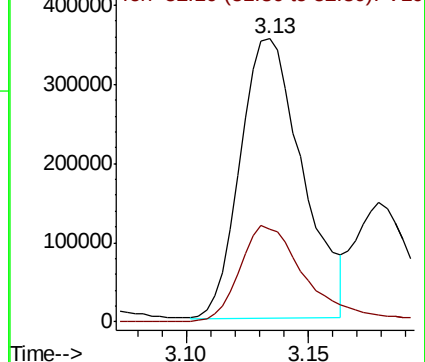
50 100

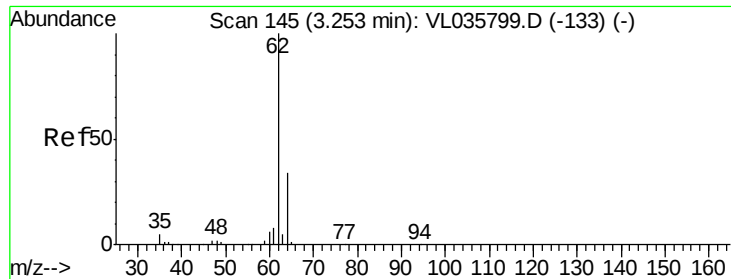
52 33.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.408 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

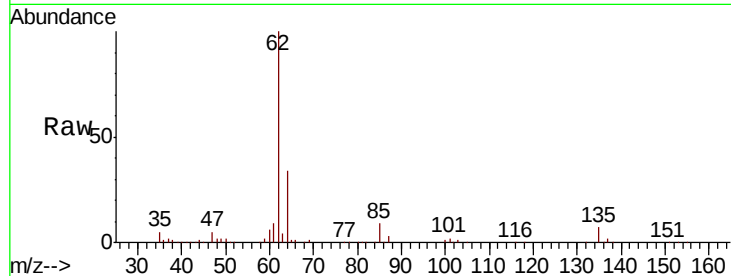
VL1112ABS01

Tot Ion: 62 Resp: 783092

Ion Ratio Lower Upper

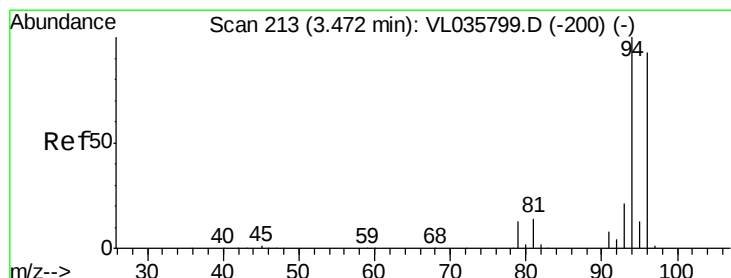
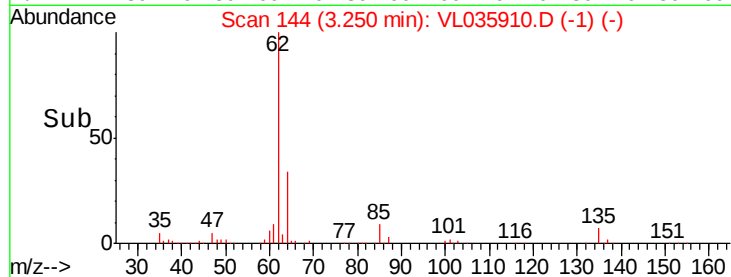
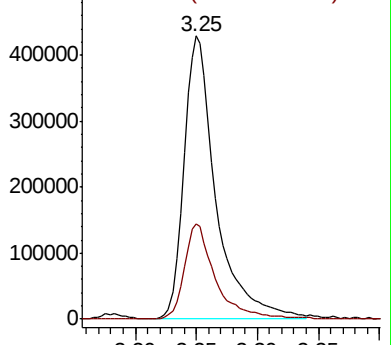
62 100

64 33.7 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: 9.560 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035910.D

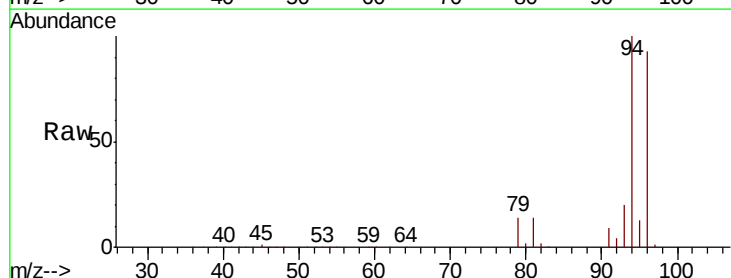
Acq: 12 Nov 2020 11:51

Tgt Ion: 94 Resp: 639978

Ion Ratio Lower Upper

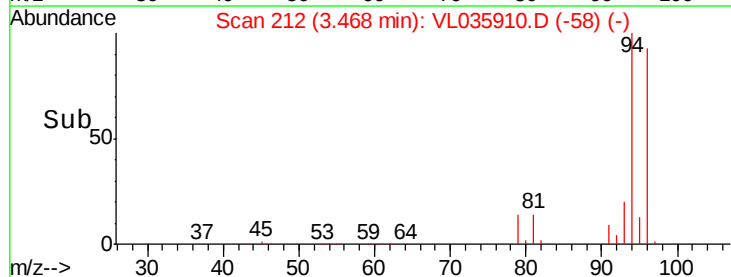
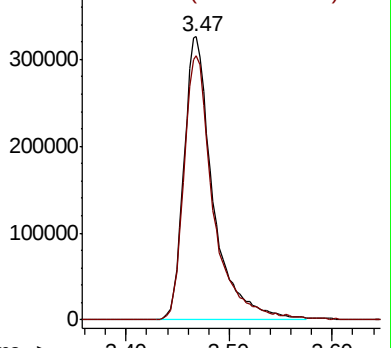
94 100

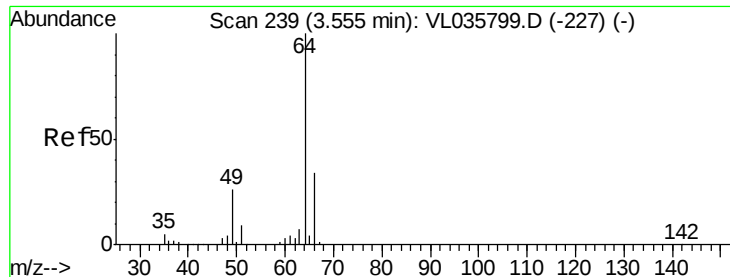
96 93.1 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.850 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

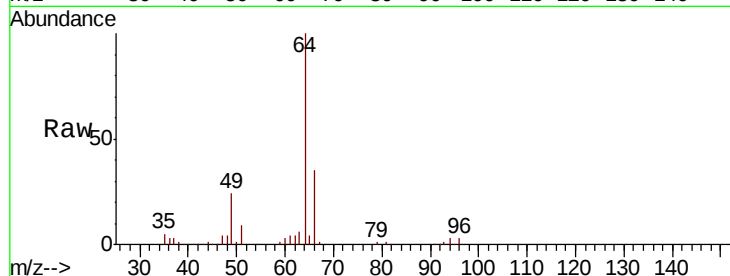
VL1112ABS01

Tot Ion: 64 Resp: 288550

Ion Ratio Lower Upper

64 100

66 35.2 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

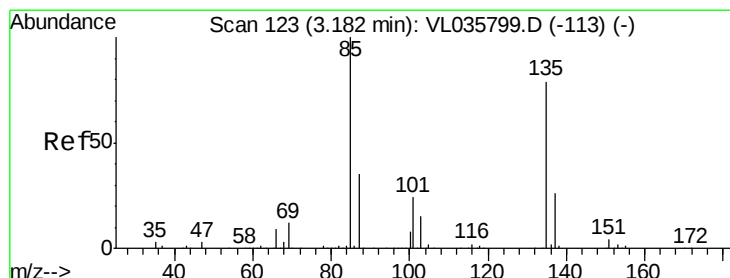
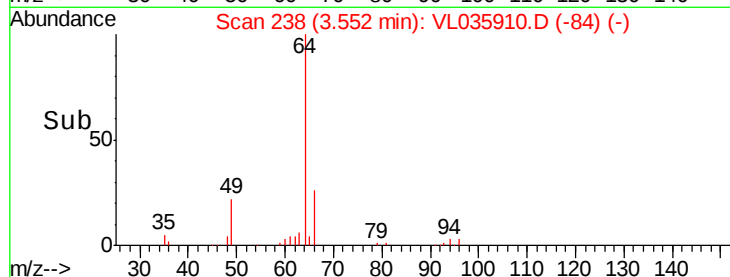
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.284 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035910.D

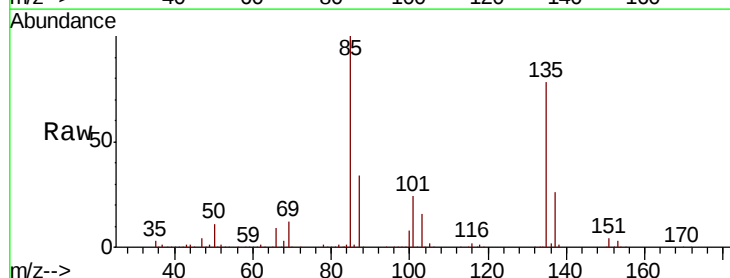
Acq: 12 Nov 2020 11:51

Tgt Ion: 85 Resp: 2245164

Ion Ratio Lower Upper

85 100

135 78.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

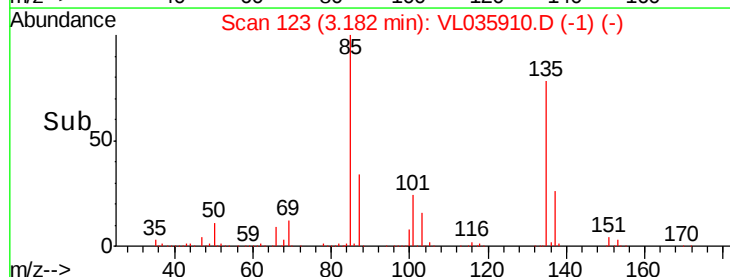
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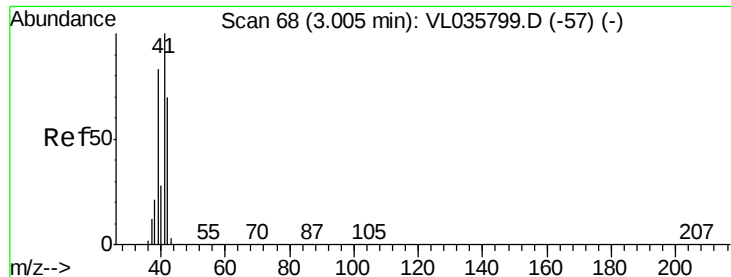
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500000

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Time-->





#9

Propene

Concen: 9.273 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

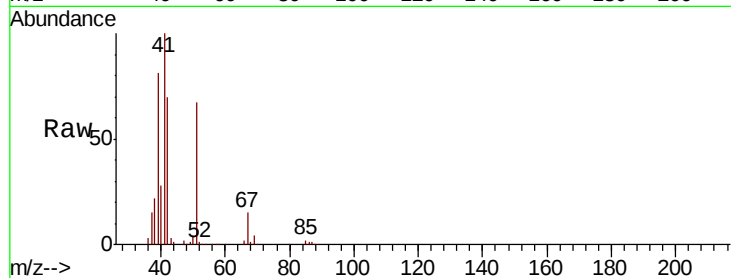
VL1112ABS01

Tot Ion: 41 Resp: 456216

Ion Ratio Lower Upper

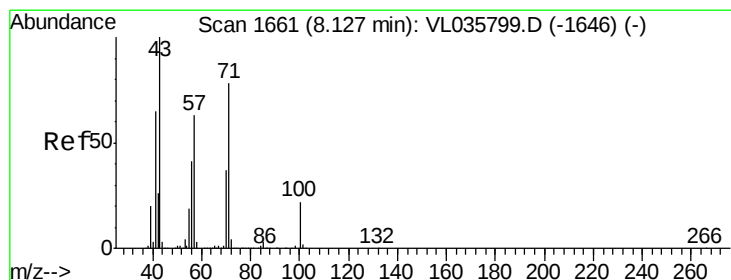
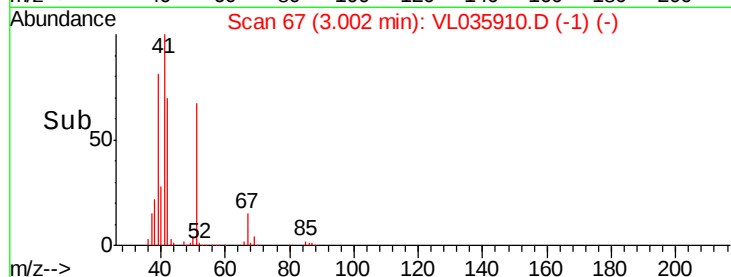
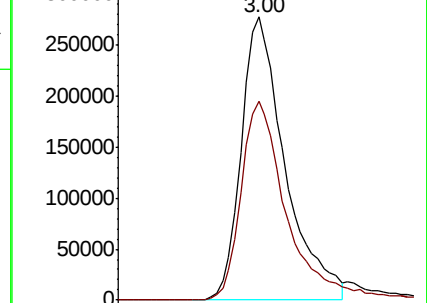
41 100

42 74.4 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.320 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035910.D

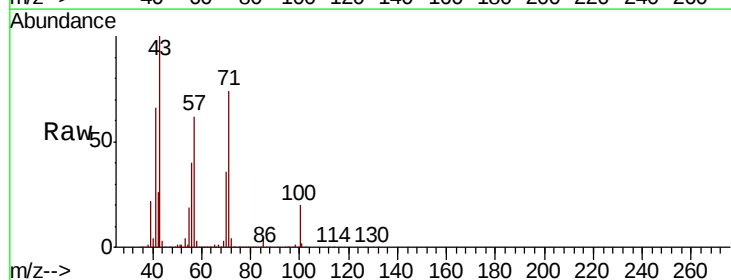
Acq: 12 Nov 2020 11:51

Tgt Ion: 43 Resp: 1402324

Ion Ratio Lower Upper

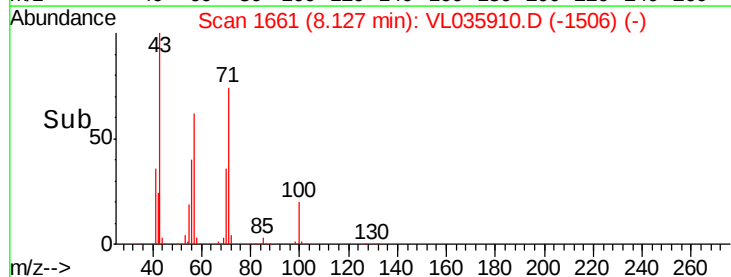
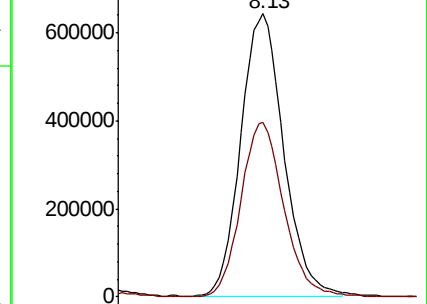
43 100

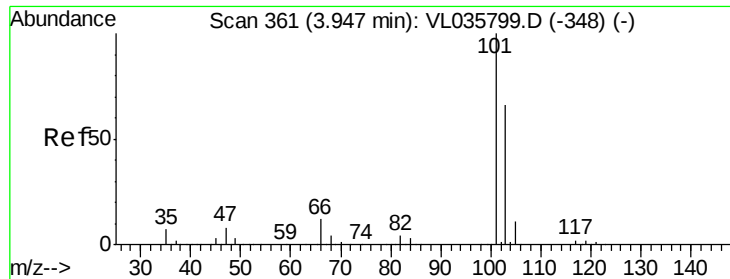
57 61.7 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

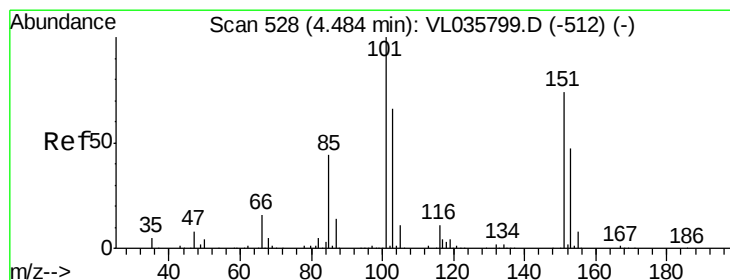
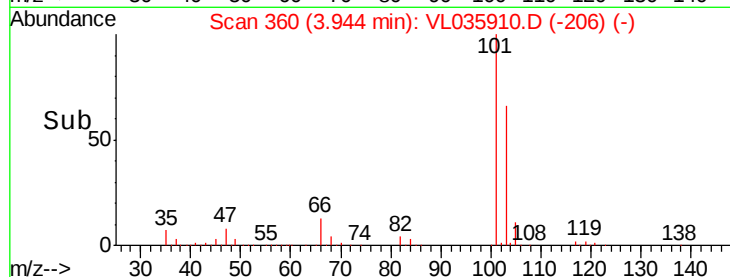
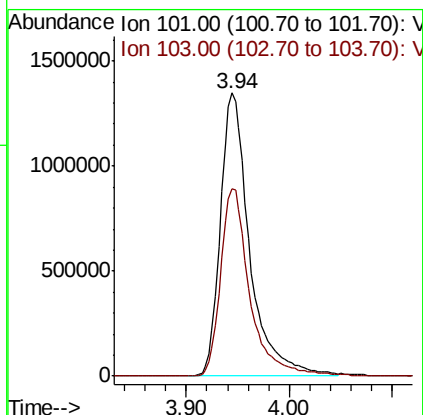
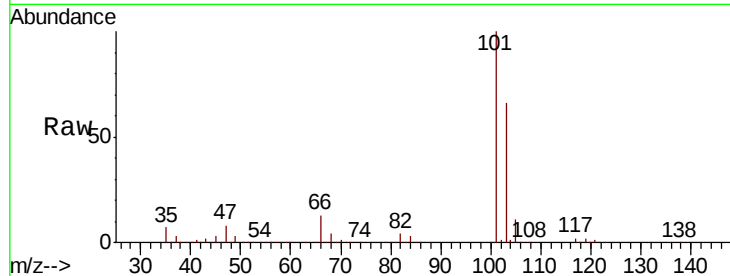




#11
 Trichlorofluoromethane
 Concen: 10.055 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

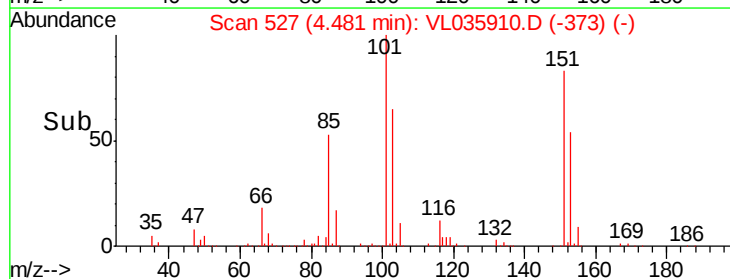
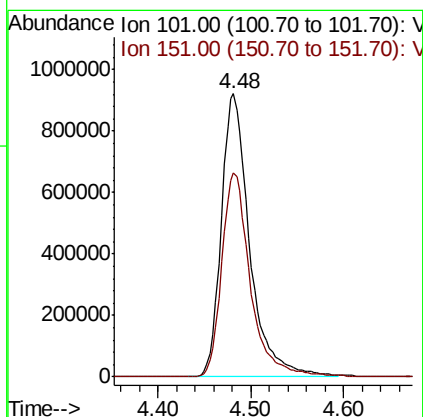
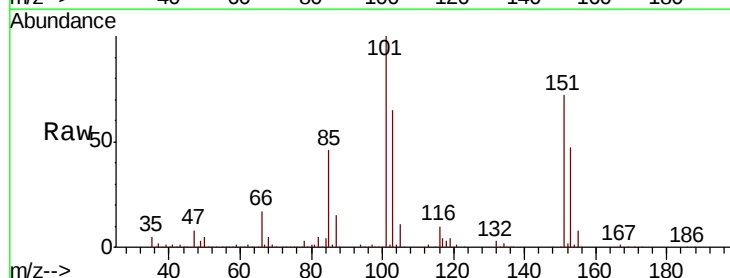
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

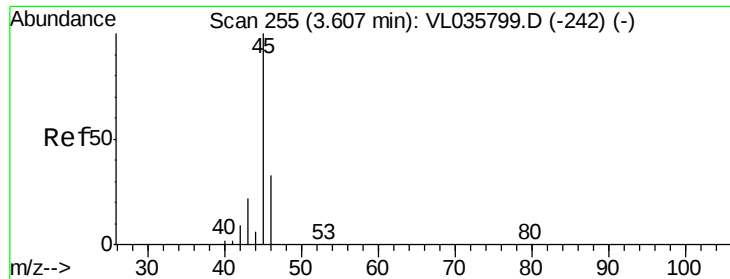
Tot Ion:101 Resp: 2668020
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.906 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion:101 Resp: 1956922
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.9 88.3





#13

Ethanol

Concen: 7.602 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

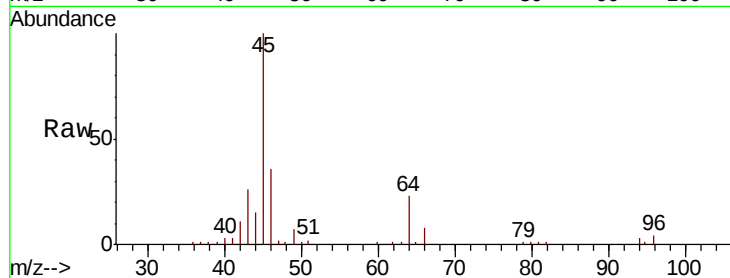
VL1112ABS01

Tot Ion: 45 Resp: 81133

Ion Ratio Lower Upper

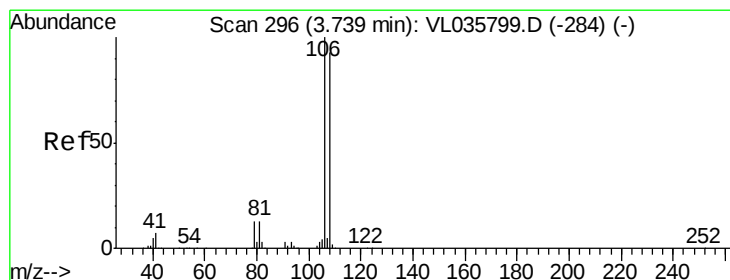
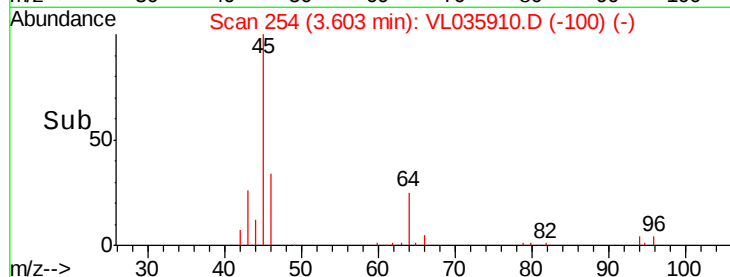
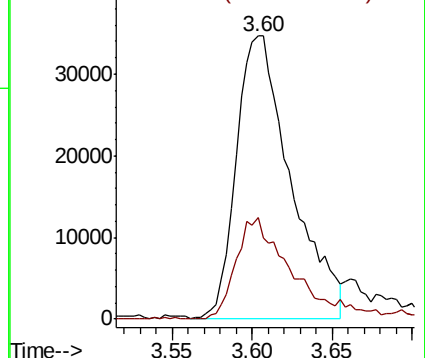
45 100

46 37.0 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: 9.003 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

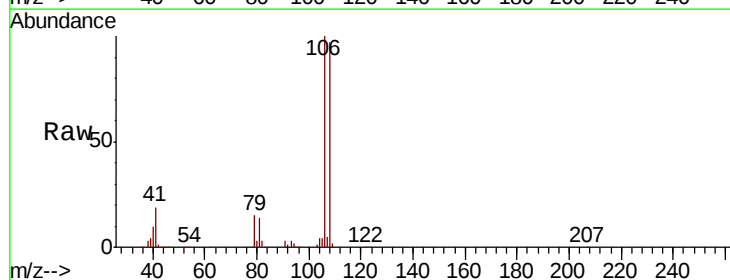
Tgt Ion:108 Resp: 818545

Ion Ratio Lower Upper

108 100

106 107.4 85.3 127.9

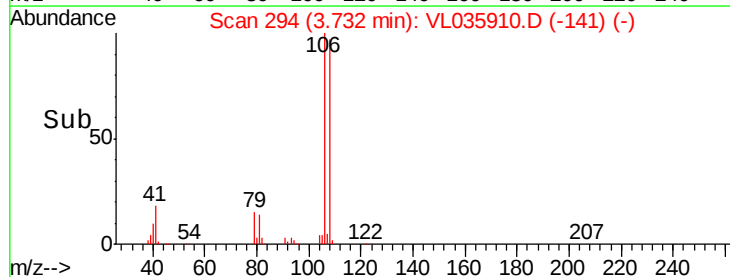
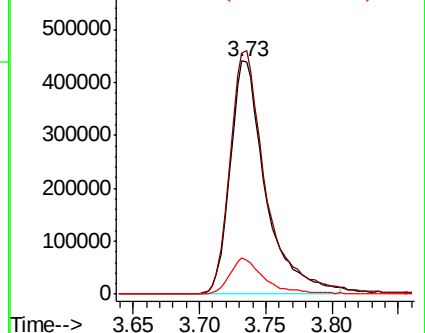
79 15.8 11.6 17.4

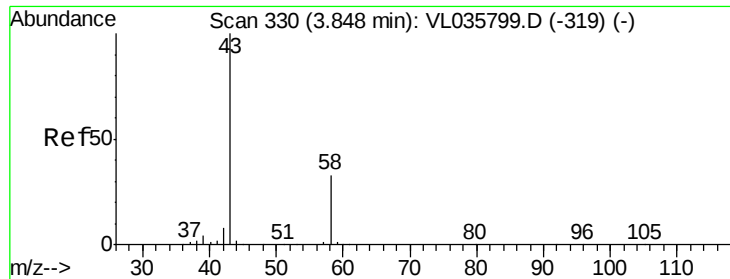


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.372 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

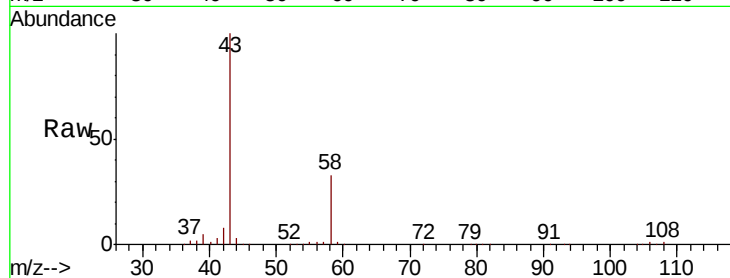
VL1112ABS01

Tot Ion: 43 Resp: 1124612

Ion Ratio Lower Upper

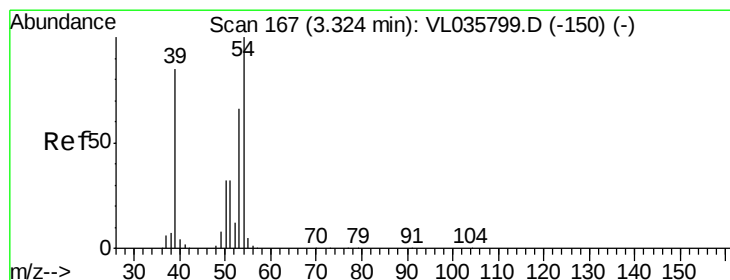
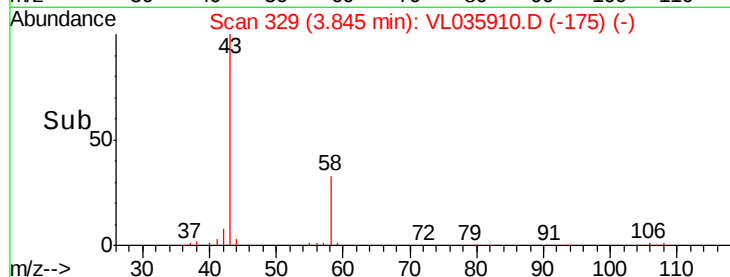
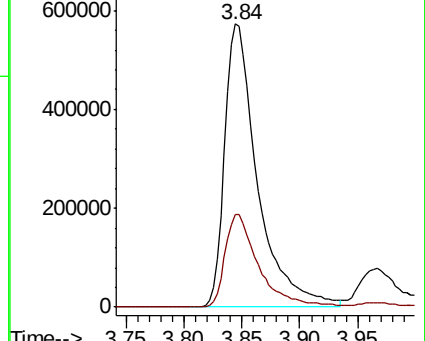
43 100

58 33.6 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.927 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035910.D

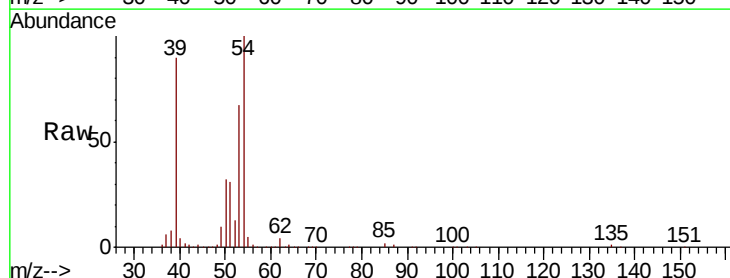
Acq: 12 Nov 2020 11:51

Tgt Ion: 39 Resp: 512845

Ion Ratio Lower Upper

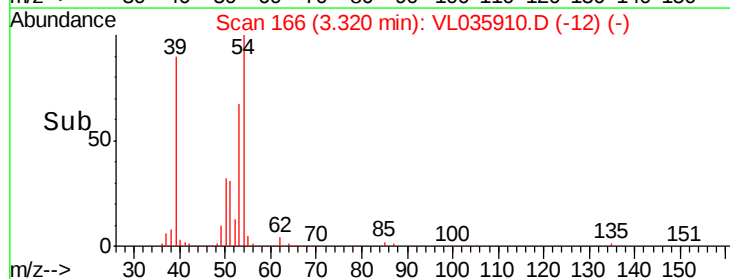
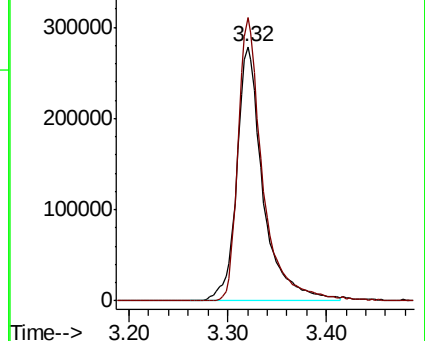
39 100

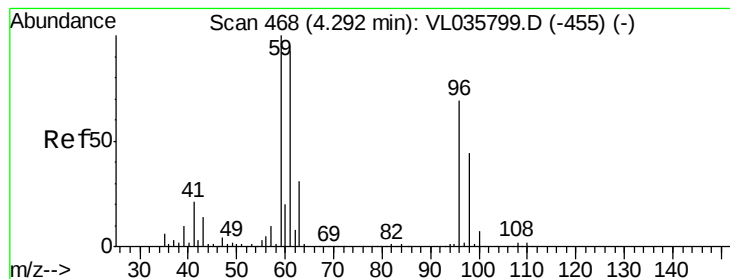
54 105.6 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol
Concen: 8.846 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

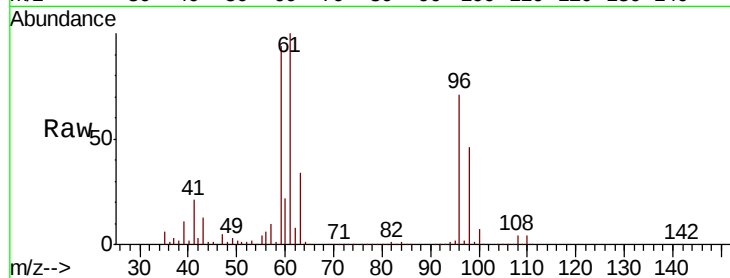
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

Tot Ion: 59 Resp: 1406824

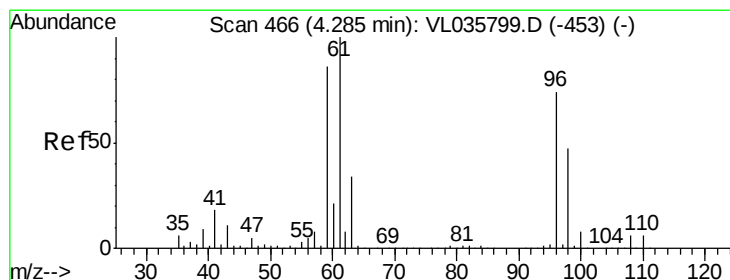
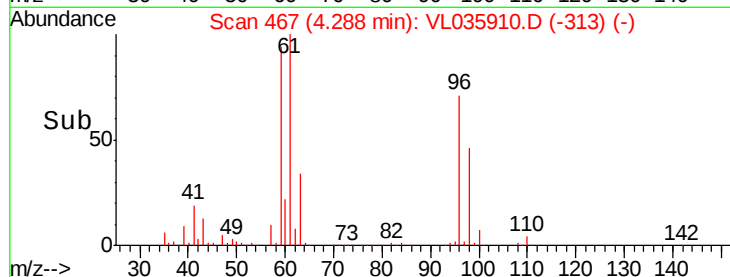
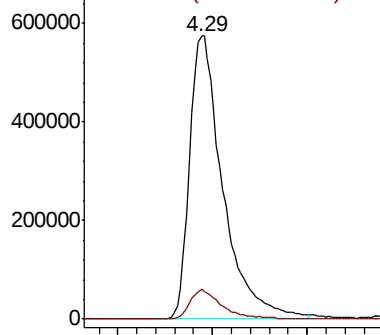
Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
Concen: 9.772 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

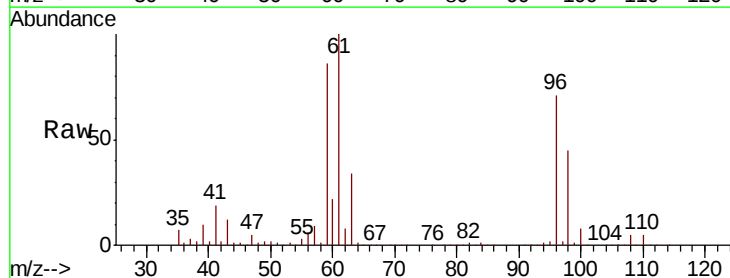
Tgt Ion: 96 Resp: 886415

Ion Ratio Lower Upper

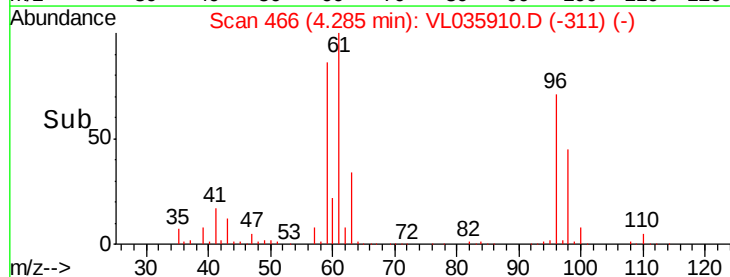
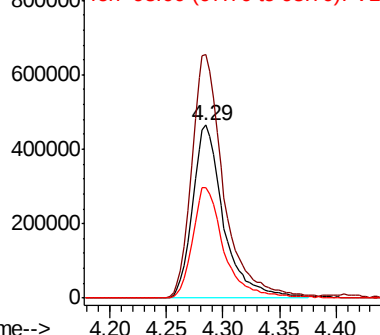
96 100

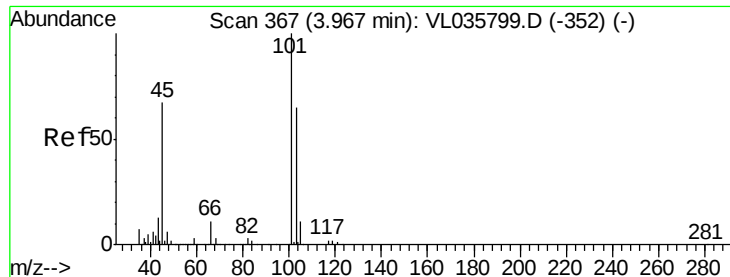
61 140.6 108.5 162.7

98 63.7 50.7 76.1



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





#19

Isopropyl Alcohol

Concen: 8.437 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

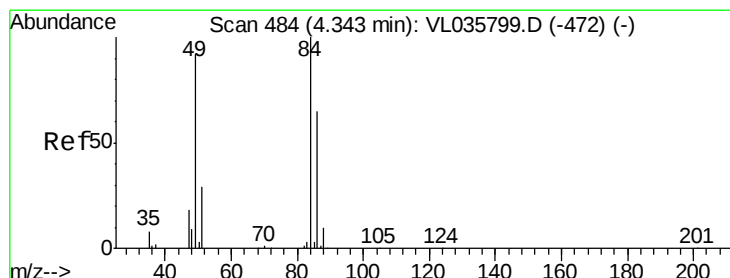
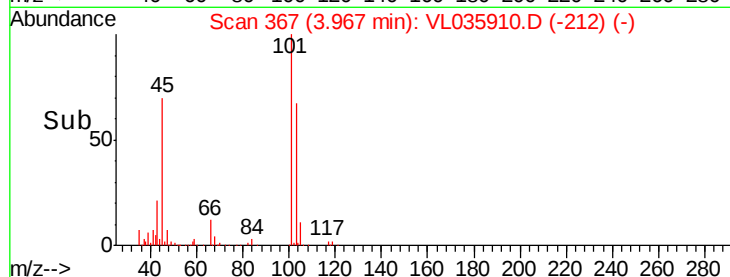
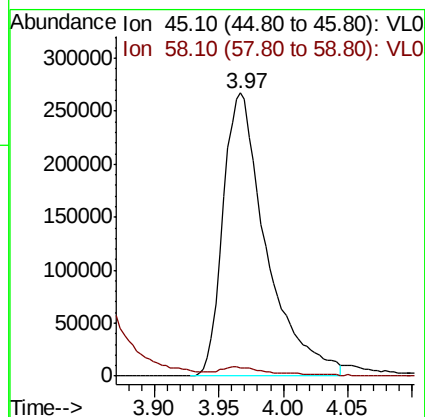
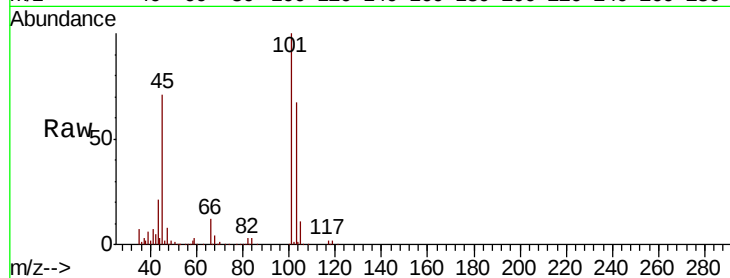
VL1112ABS01

Tot Ion: 45 Resp: 622128

Ion Ratio Lower Upper

45 100

58 4.1 2.6 3.8#



#20

Methylene Chloride

Concen: 8.420 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Tgt Ion: 84 Resp: 711262

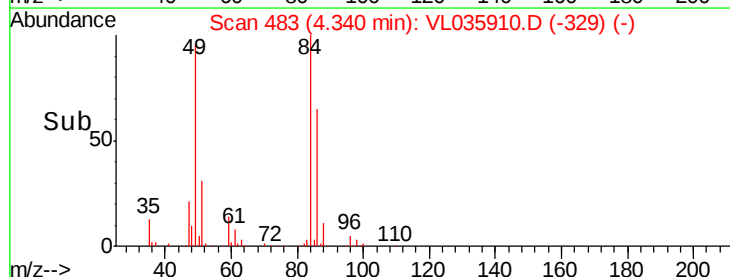
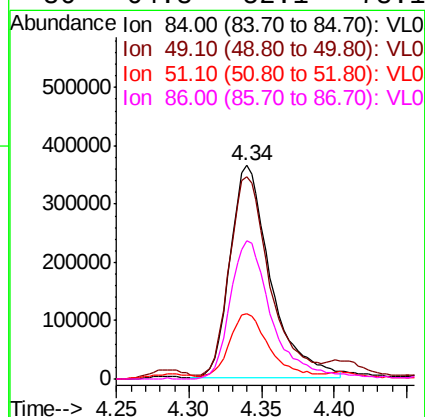
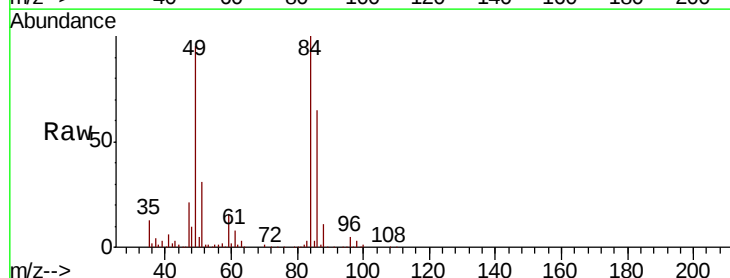
Ion Ratio Lower Upper

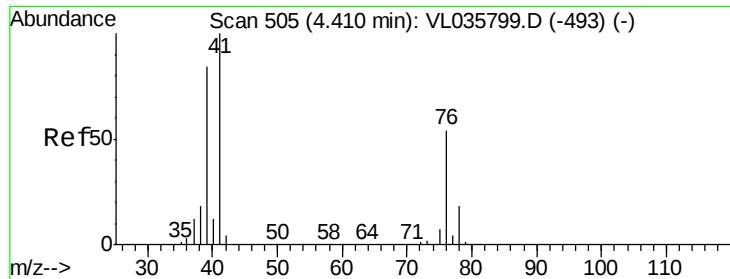
84 100

49 93.3 73.8 110.8

51 29.3 23.0 34.4

86 64.8 52.1 78.1





#21

Allvl Chloride

Concen: 9.808 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

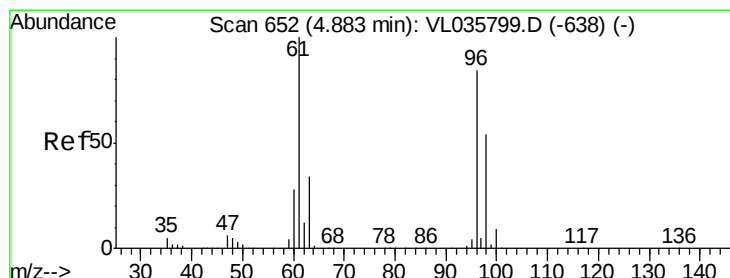
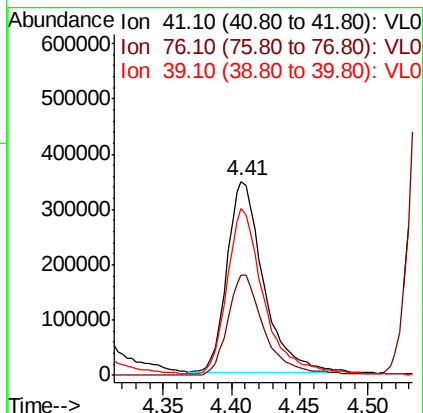
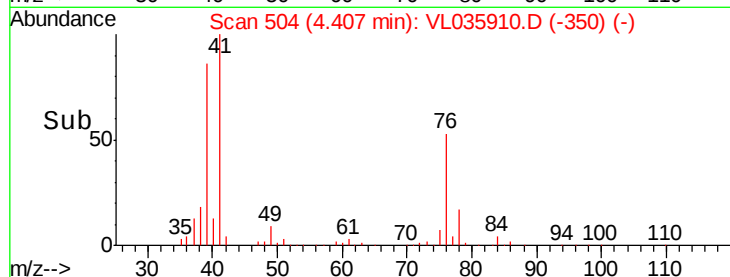
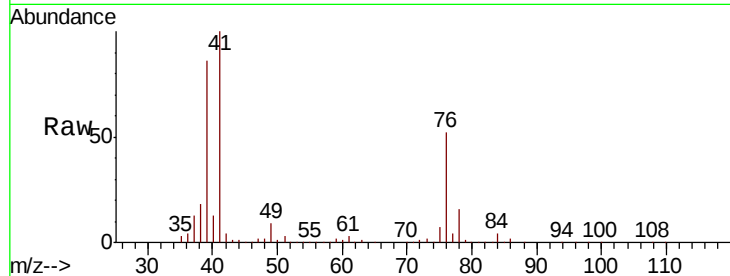
Tot Ion: 41 Resp: 636458

Ion Ratio Lower Upper

41 100

76 53.6 42.6 63.8

39 88.9 67.0 100.4



#22

trans-1,2-Dichloroethene

Concen: 9.953 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

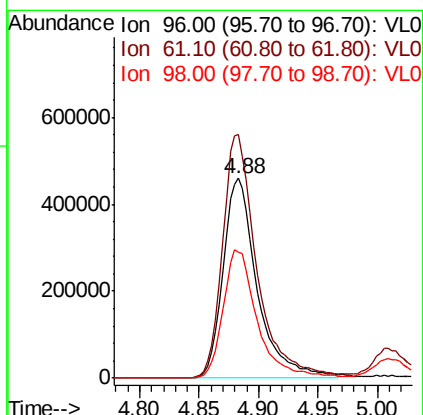
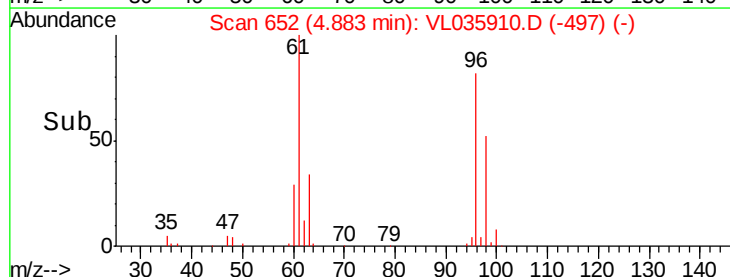
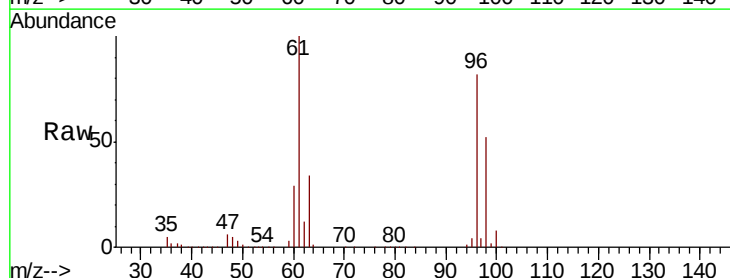
Tgt Ion: 96 Resp: 915203

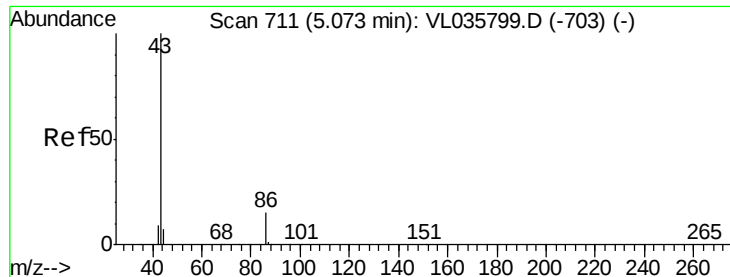
Ion Ratio Lower Upper

96 100

61 121.8 95.4 143.0

98 63.1 51.8 77.6



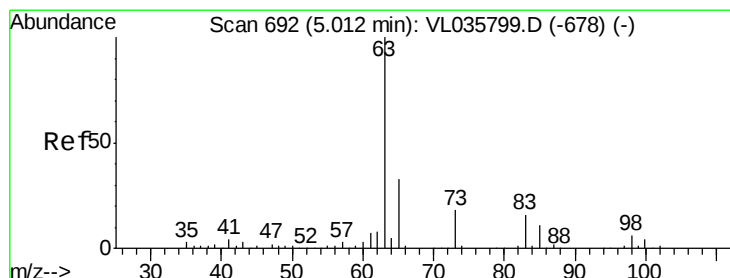
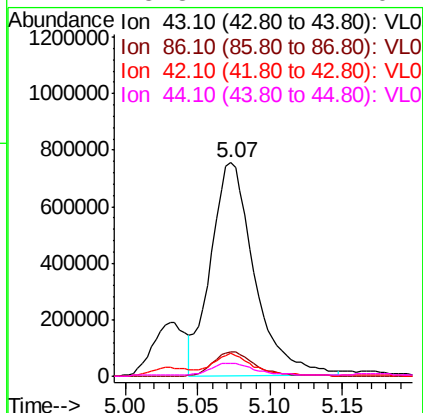
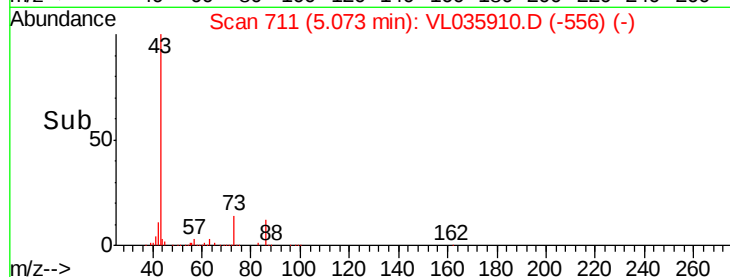
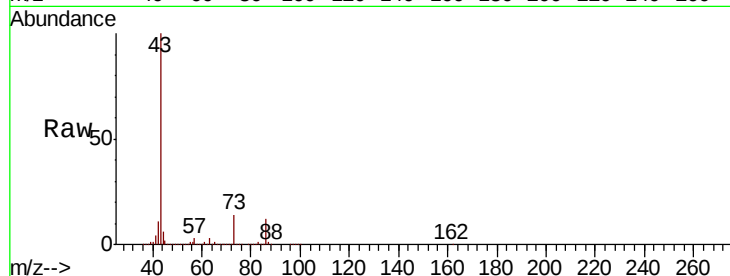


#23
 Vinyl Acetate
 Concen: 9.364 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

Tot Ion: 43 Resp: 1575072

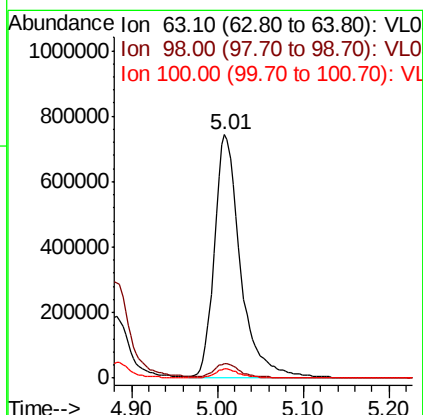
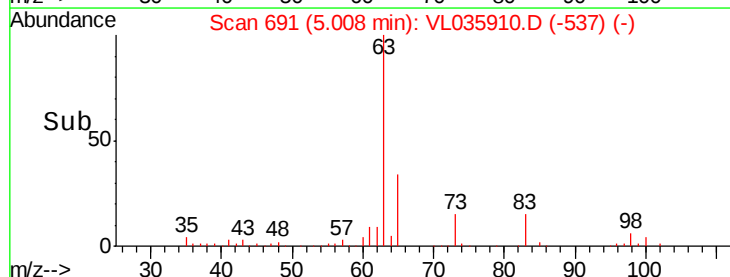
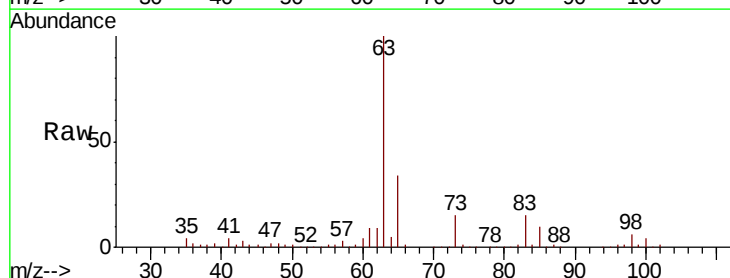
Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.8	14.6
42	10.5	8.1	12.1
44	5.8	4.2	6.4

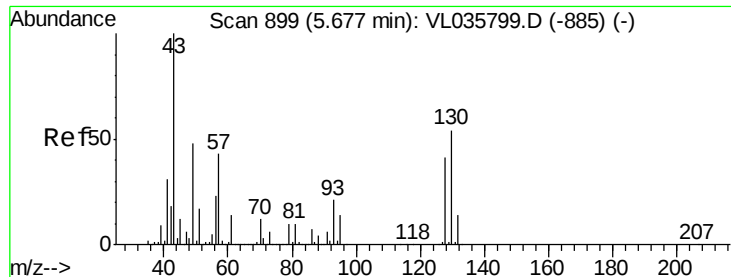


#24
 1,1-Dichloroethane
 Concen: 9.770 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion: 63 Resp: 1565595

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	3.8	1.8	5.4





#25

Ethyl Acetate

Concen: 10.022 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

Tot Ion: 43 Resp: 2369118

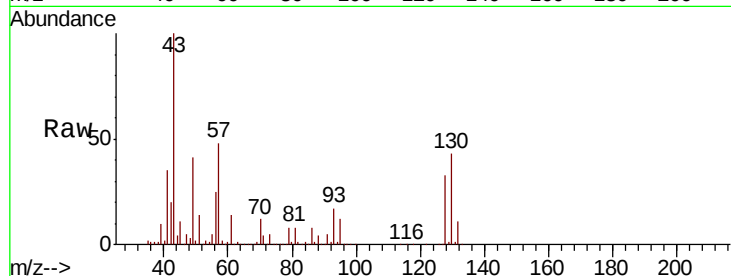
Ion Ratio Lower Upper

43 100

45 10.5 8.5 12.7

61 13.0 10.7 16.1

70 10.1 8.6 12.8

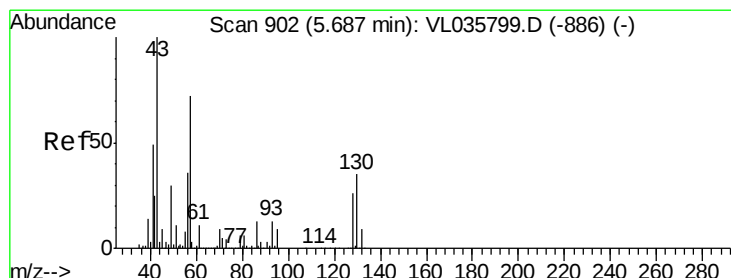
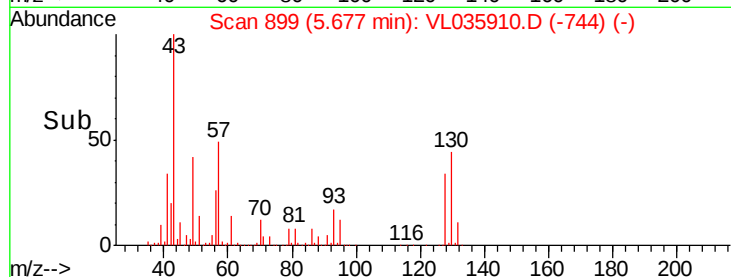
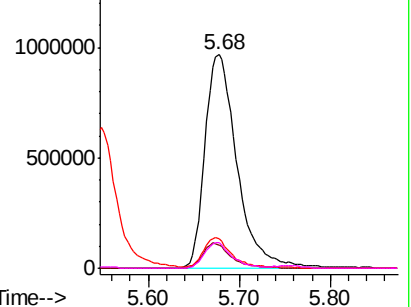


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.440 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Tgt Ion: 57 Resp: 1230651

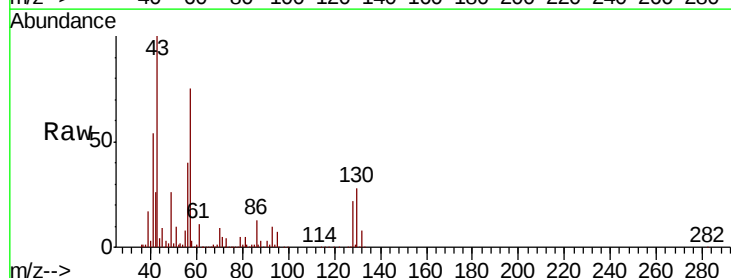
Ion Ratio Lower Upper

57 100

41 76.0 58.9 88.3

43 193.6 150.2 225.2

56 53.9 42.4 63.6

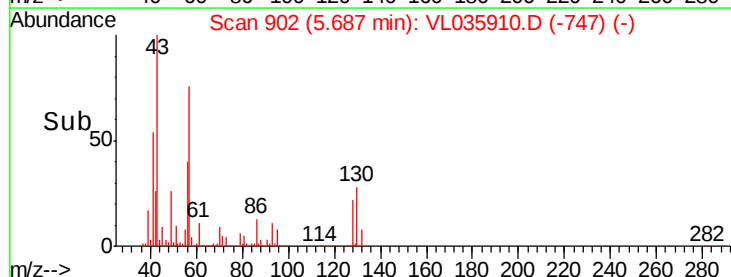
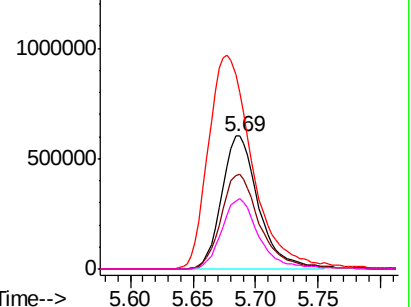


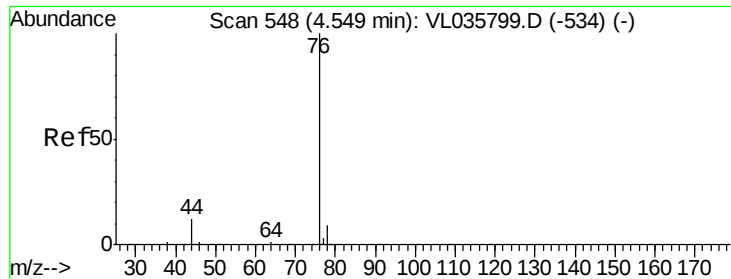
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.908 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

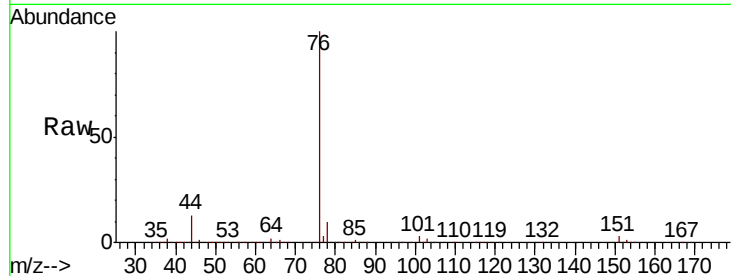
Tot Ion: 76 Resp: 1935448

Ion Ratio Lower Upper

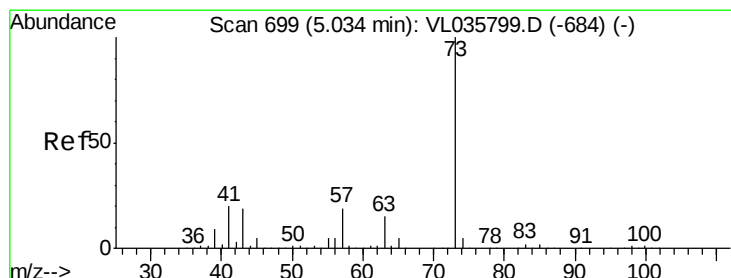
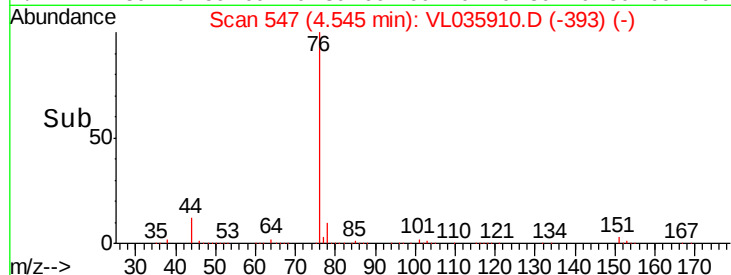
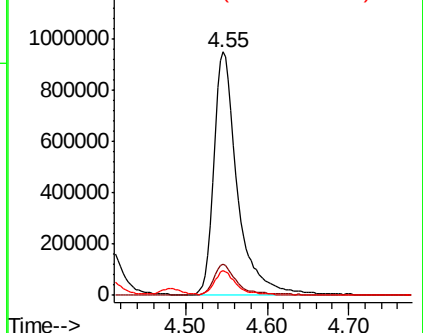
76 100

44 12.3 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: 9.022 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL035910.D

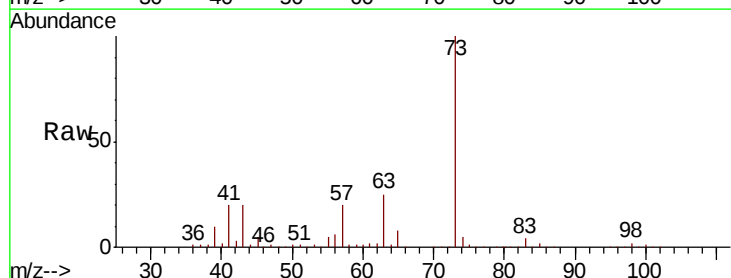
Acq: 12 Nov 2020 11:51

Tgt Ion: 73 Resp: 2112184

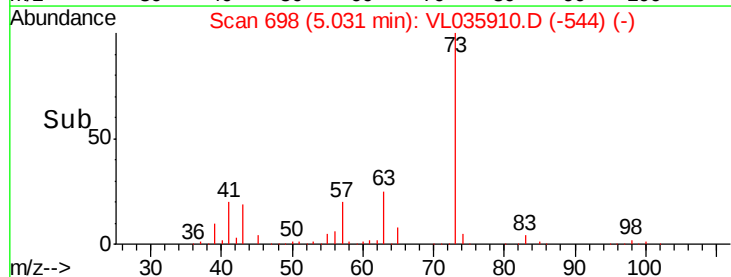
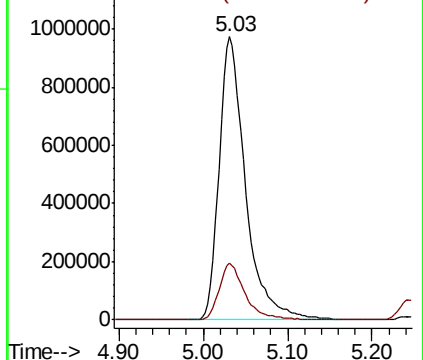
Ion Ratio Lower Upper

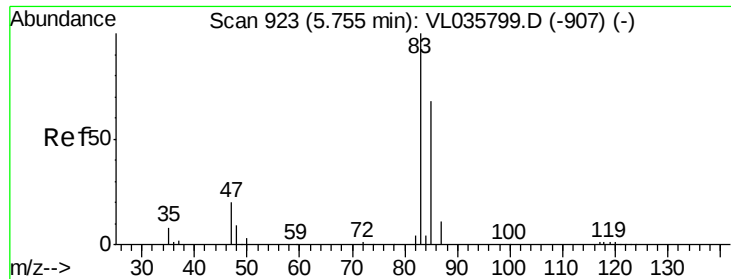
73 100

57 19.8 15.4 23.2



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

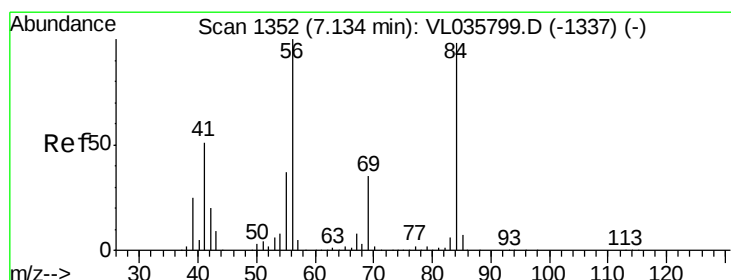
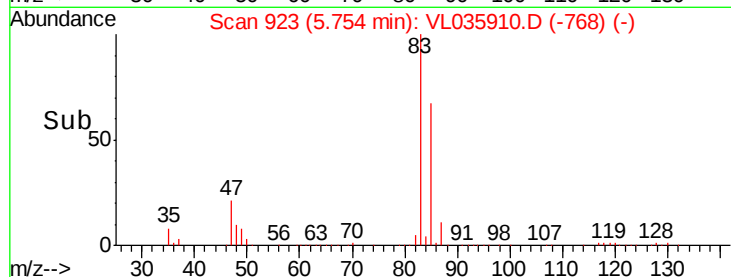
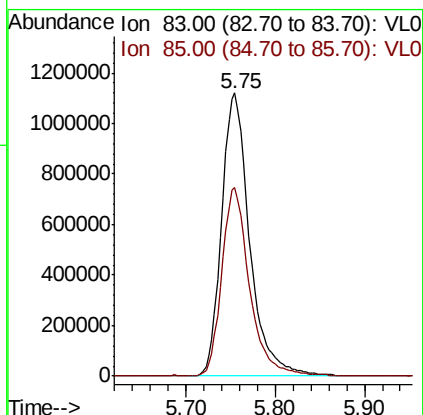
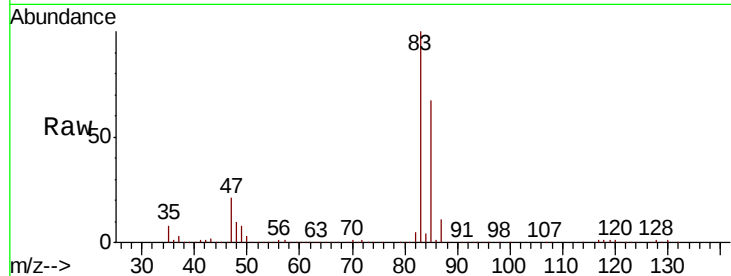




#29
Chloroform
Concen: 9.532 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

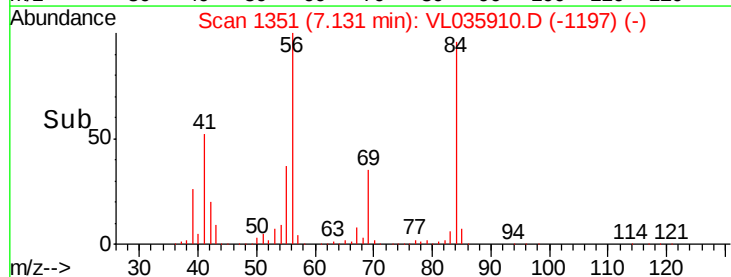
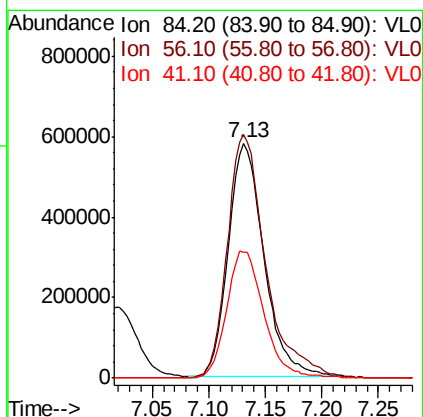
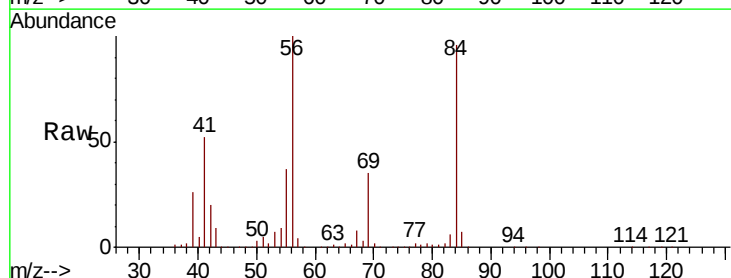
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

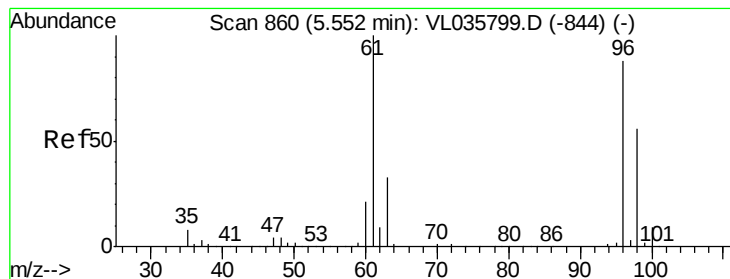
Tot Ion: 83 Resp: 2442437
Ion Ratio Lower Upper
83 100
85 66.5 54.6 81.8



#30
Cyclohexane
Concen: 9.012 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion: 84 Resp: 1279660
Ion Ratio Lower Upper
84 100
56 112.2 86.4 129.6
41 56.9 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.663 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

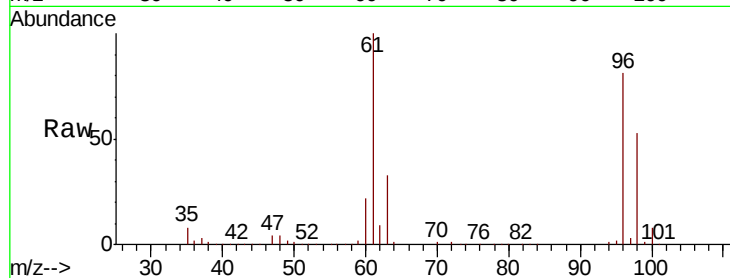
Tot Ion: 61 Resp: 1296004

Ion Ratio Lower Upper

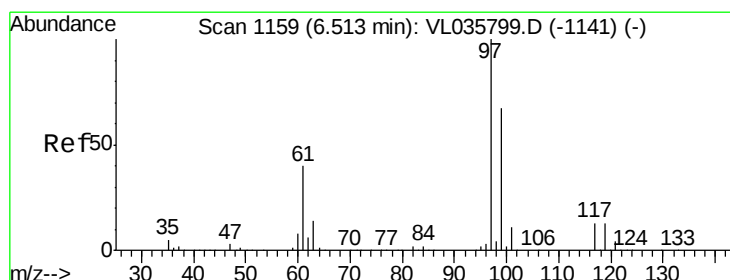
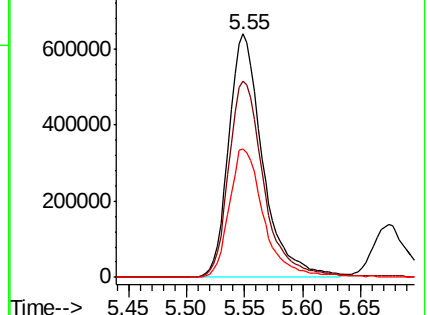
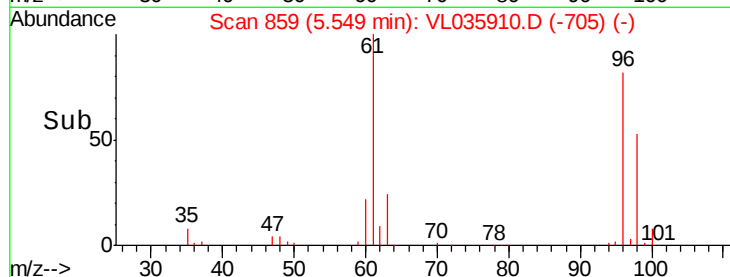
61 100

96 80.8 70.3 105.5

98 52.8 45.0 67.6



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: 8.841 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

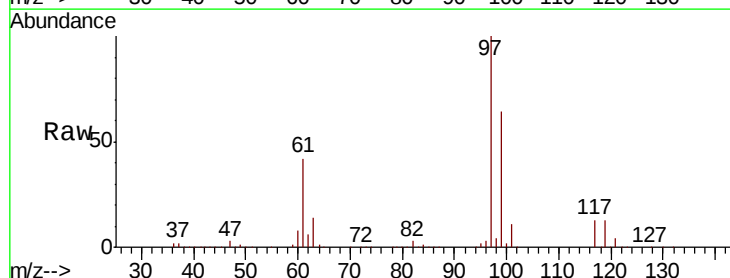
Tgt Ion: 97 Resp: 2363888

Ion Ratio Lower Upper

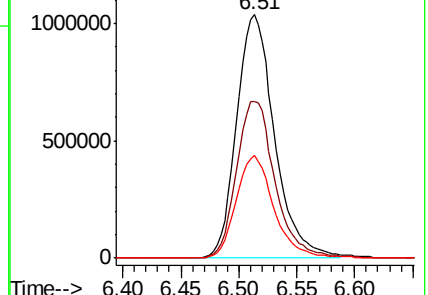
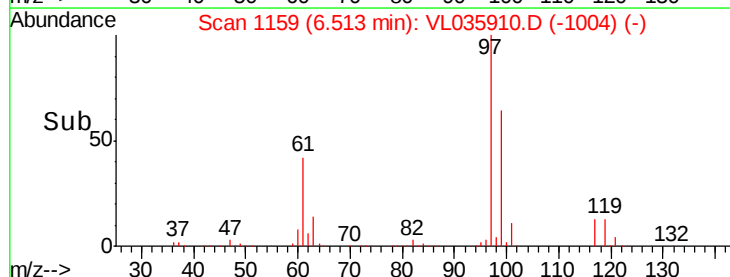
97 100

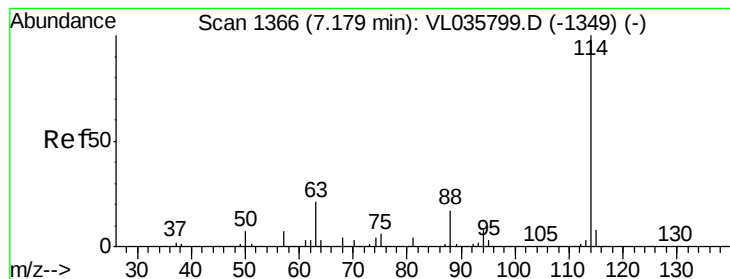
99 65.7 52.3 78.5

61 42.1 32.0 48.0



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: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

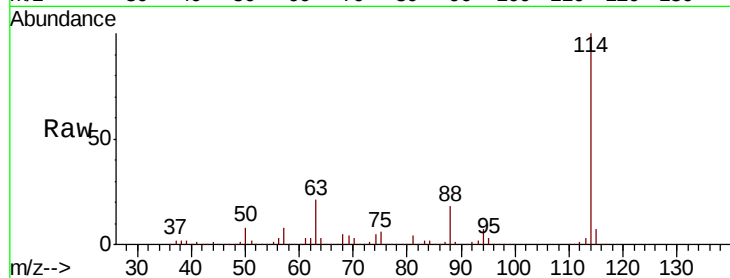
Tot Ion:114 Resp: 4149480

Ion Ratio Lower Upper

114 100

63 21.1 16.1 24.1

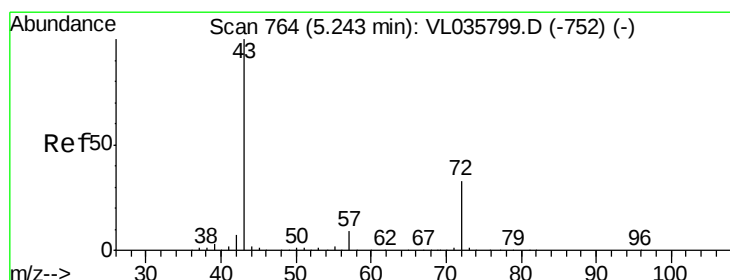
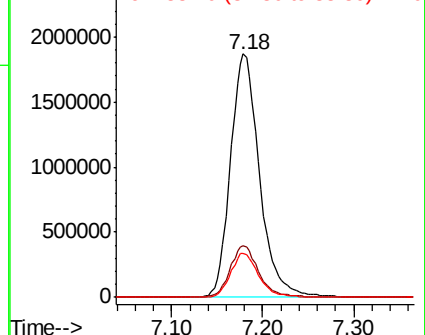
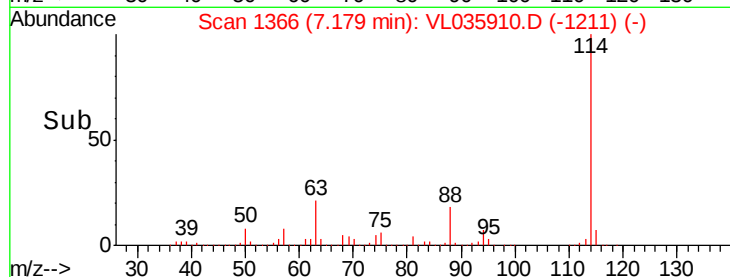
88 17.6 13.7 20.5



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.061 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.00 min

Lab File: VL035910.D

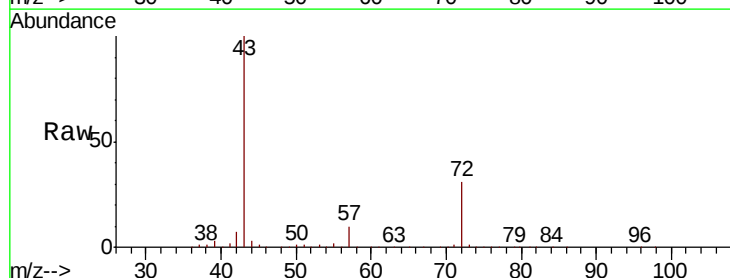
Acq: 12 Nov 2020 11:51

Tgt Ion: 43 Resp: 1489557

Ion Ratio Lower Upper

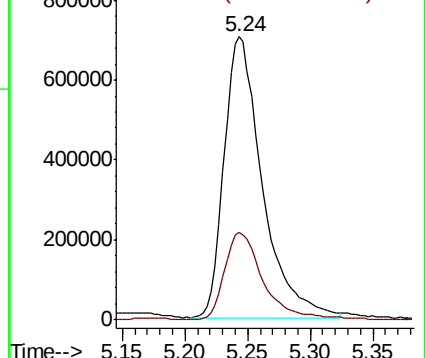
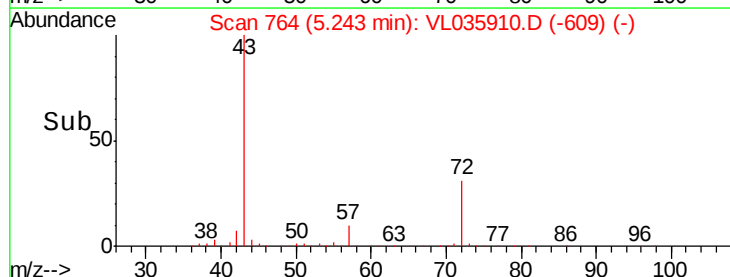
43 100

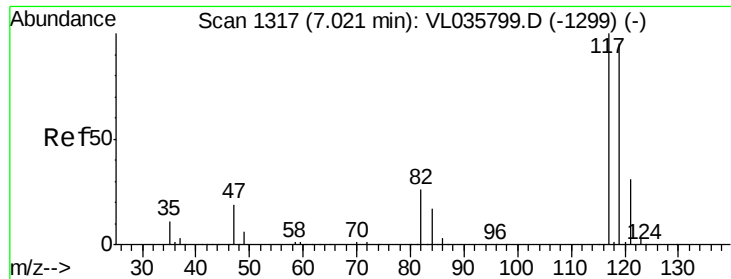
72 31.6 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.762 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

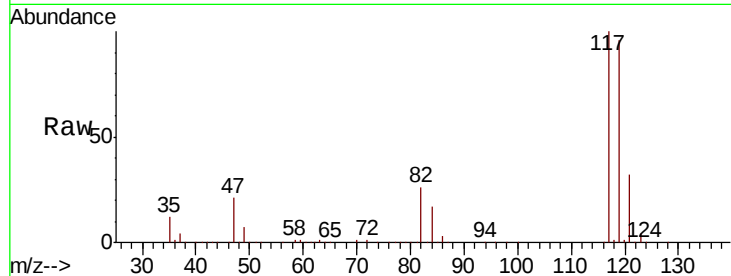
Tot Ion:117 Resp: 2386094

Ion Ratio Lower Upper

117 100

119 96.2 75.6 113.4

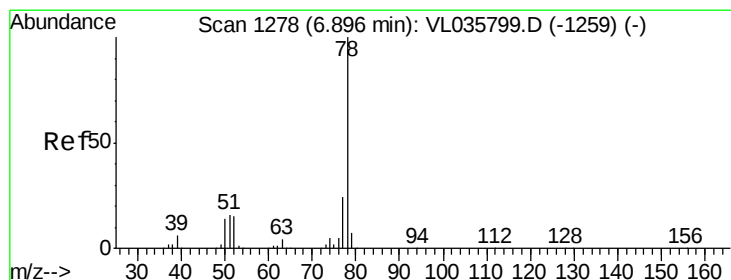
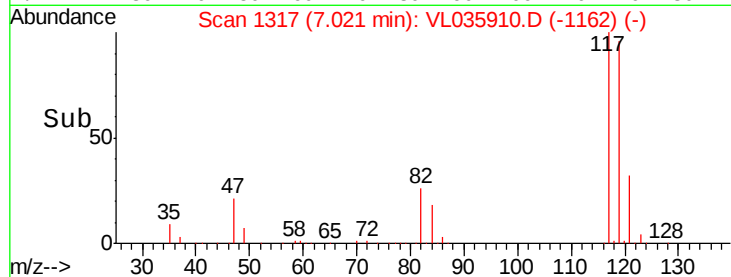
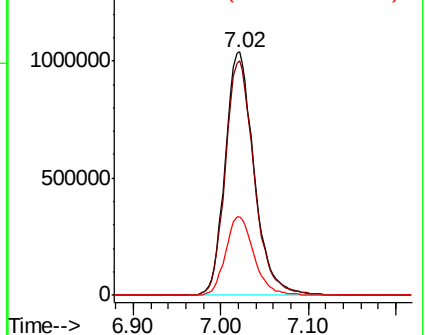
121 32.3 25.1 37.7



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: 9.883 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

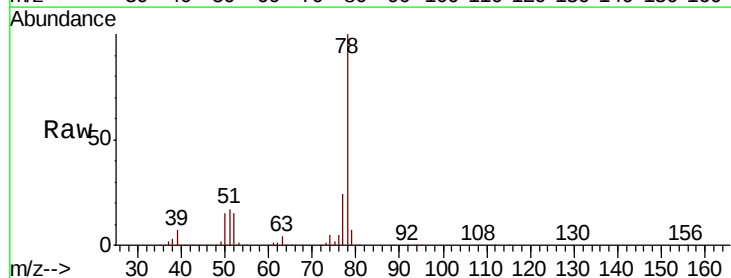
Tgt Ion: 78 Resp: 3048686

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

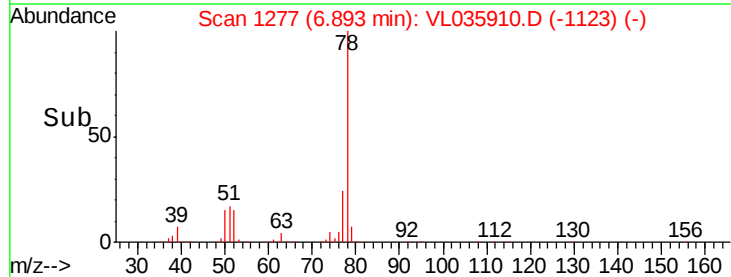
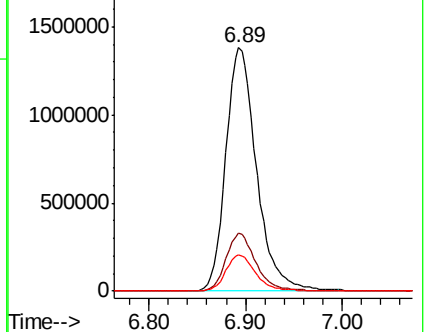
50 15.1 11.4 17.2

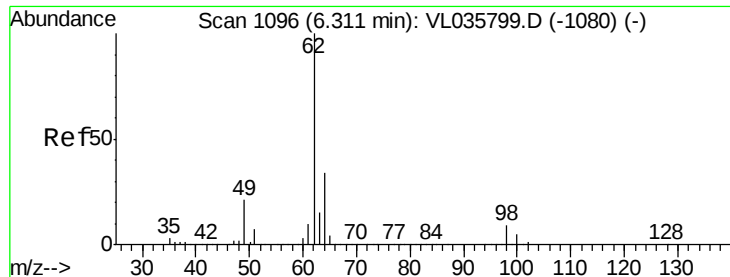


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

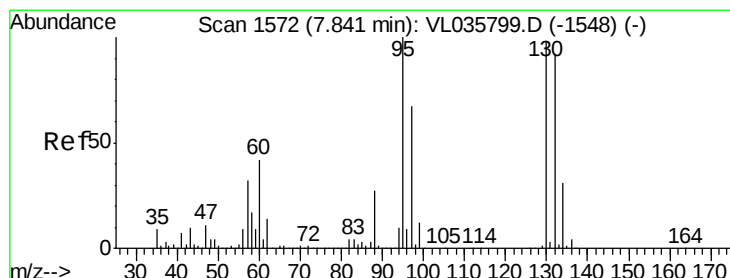
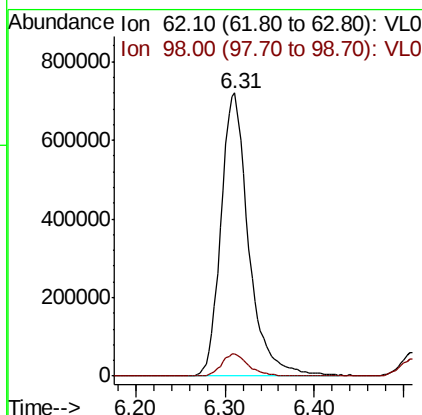
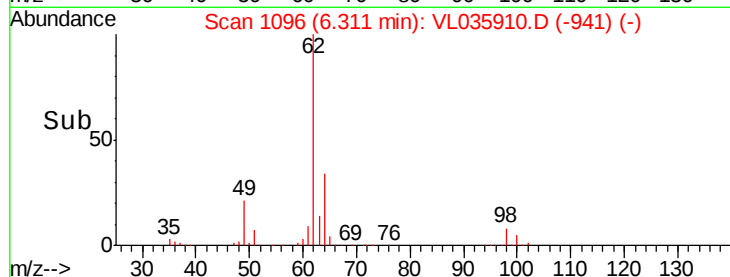
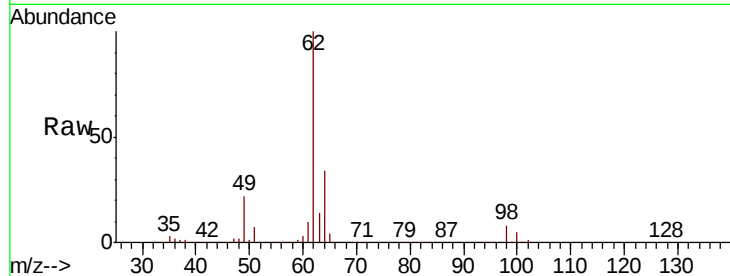




#37
 1,2-Dichloroethane
 Concen: 11.105 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

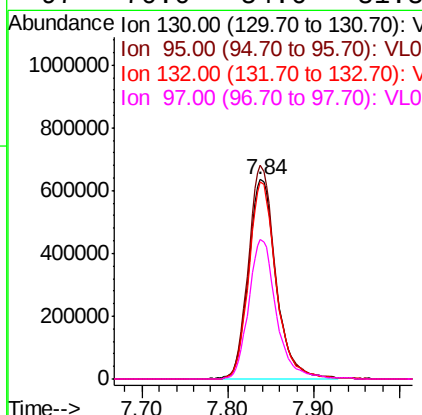
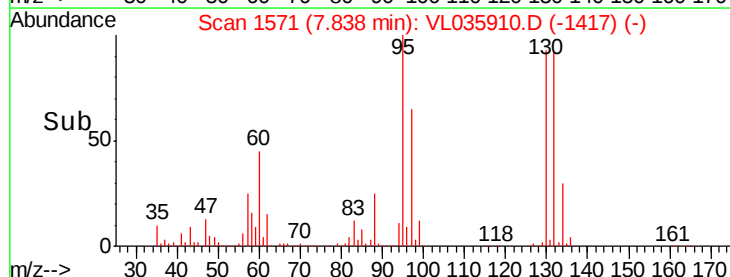
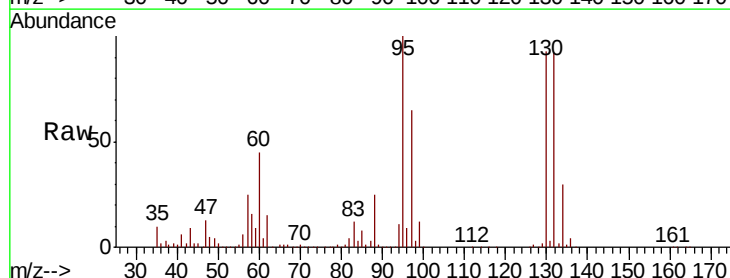
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

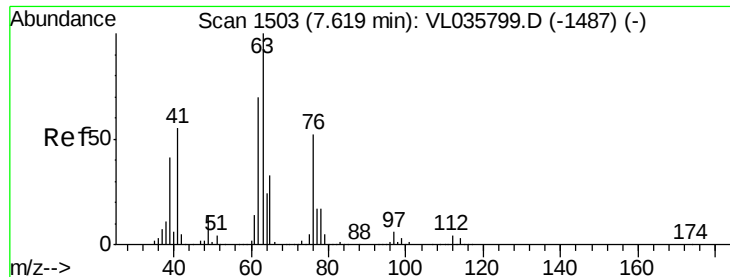
Tot Ion: 62 Resp: 1551920
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3



#38
 Trichloroethene
 Concen: 9.457 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion: 130 Resp: 1424973
 Ion Ratio Lower Upper
 130 100
 95 107.1 81.6 122.4
 132 98.8 75.1 112.7
 97 70.0 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.341 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

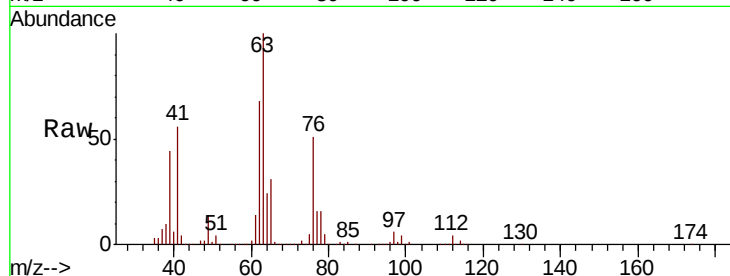
Tot Ion: 63 Resp: 1074020

Ion Ratio Lower Upper

63 100

41 55.7 43.8 65.6

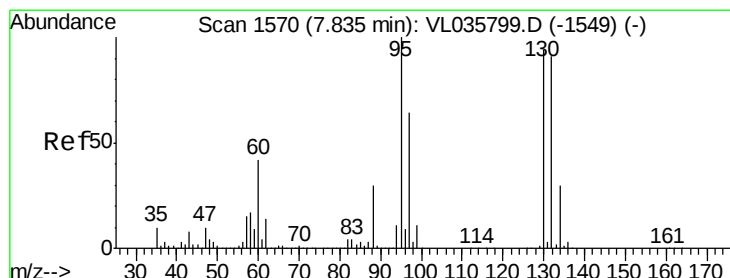
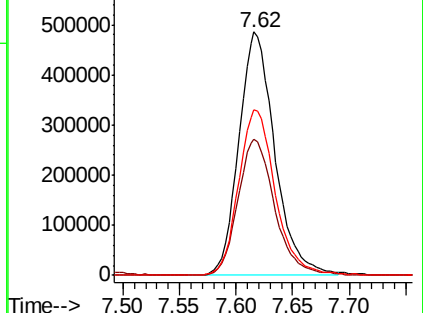
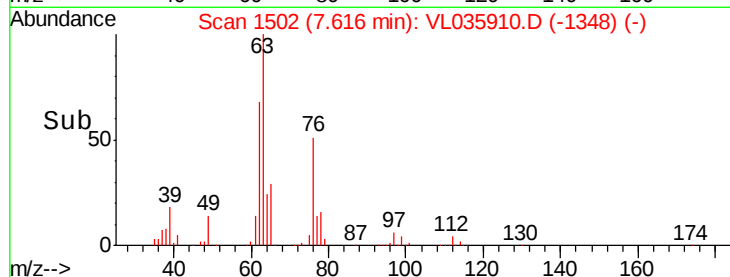
62 67.8 56.2 84.2



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: 9.319 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Tgt Ion: 88 Resp: 458737

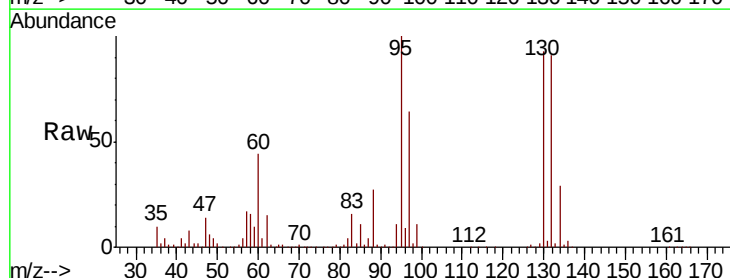
Ion Ratio Lower Upper

88 100

58 102.9 76.2 114.2

43 176.6 123.1 184.7

57 928.0 661.0 991.4

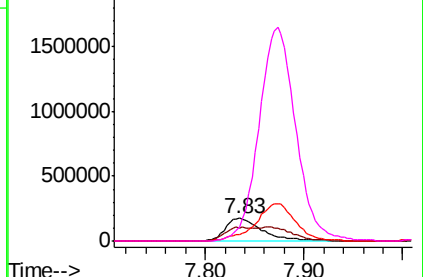
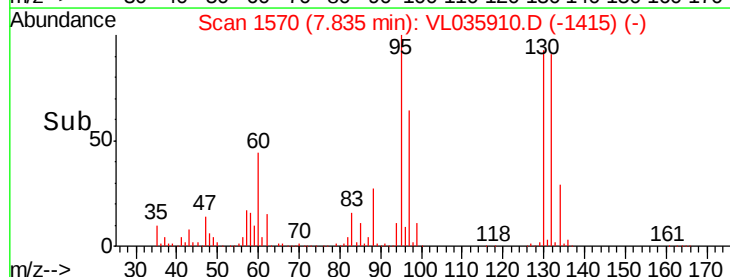


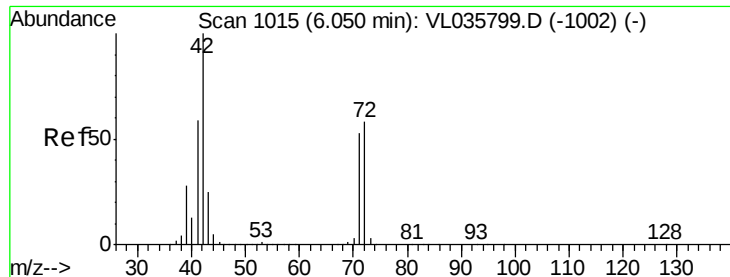
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.582 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

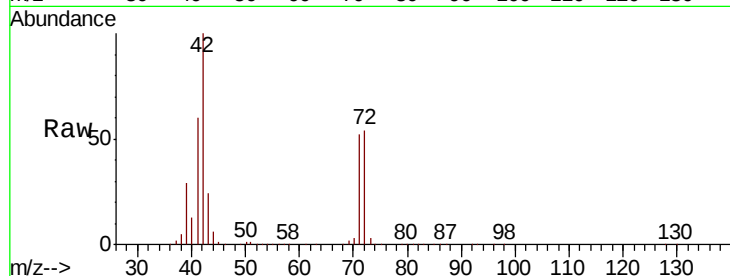
Tot Ion: 42 Resp: 886146

Ion Ratio Lower Upper

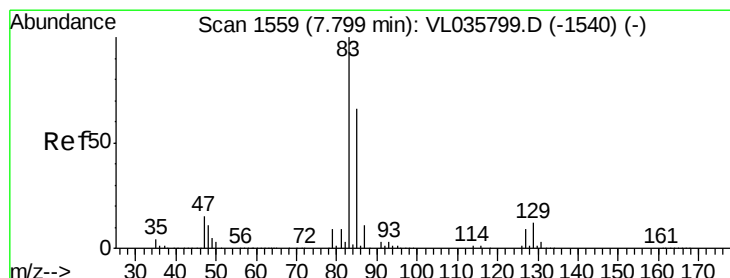
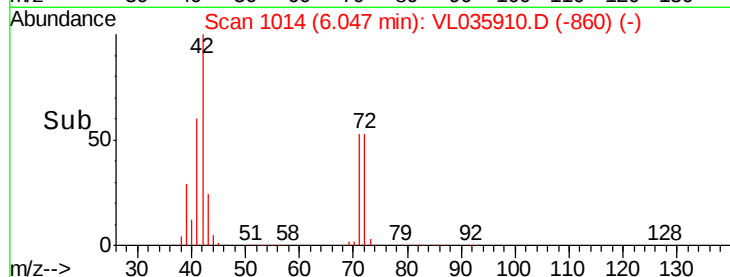
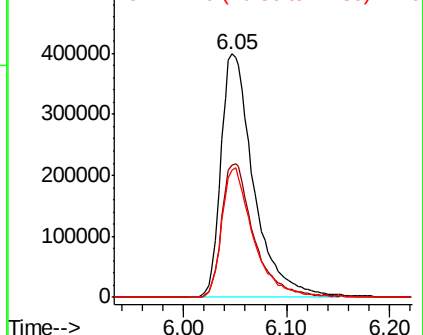
42 100

72 54.4 45.4 68.0

71 51.5 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: 10.667 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

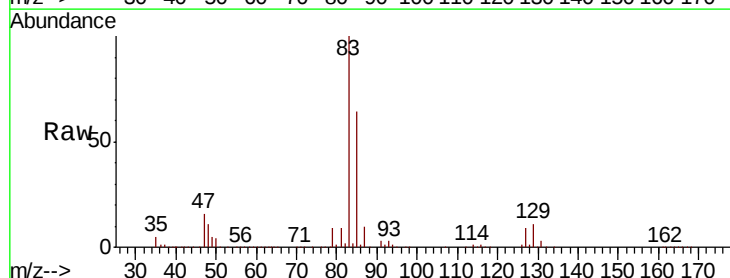
Tgt Ion: 83 Resp: 2515425

Ion Ratio Lower Upper

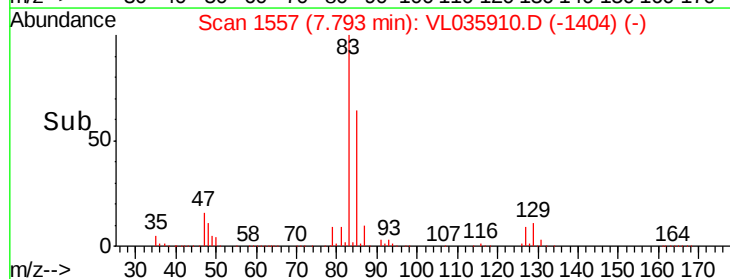
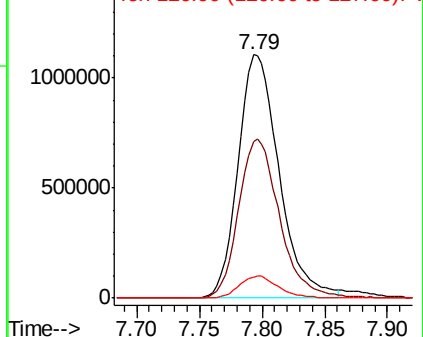
83 100

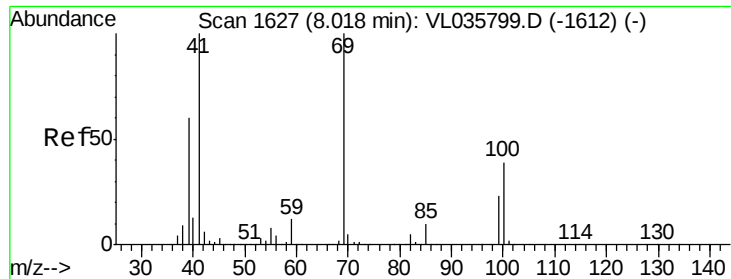
85 64.2 53.1 79.7

127 8.6 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

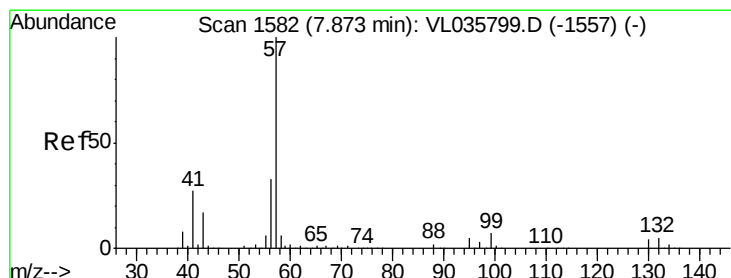
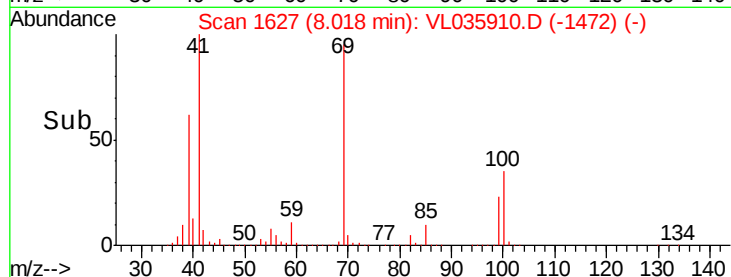
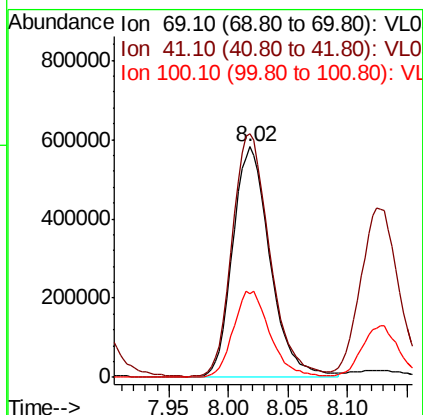
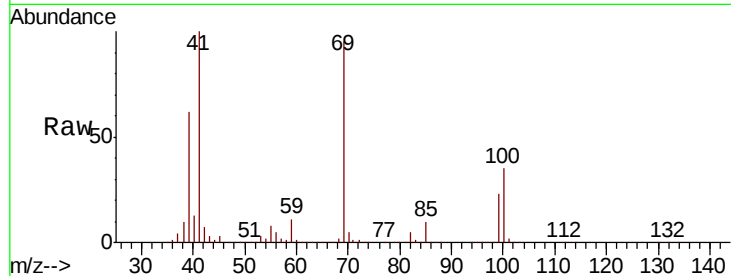




#43
Methyl Methacrylate
Concen: 10.762 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

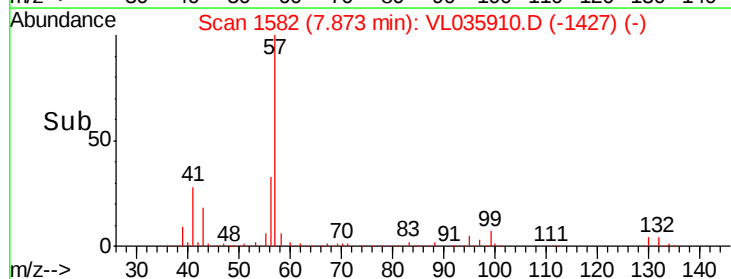
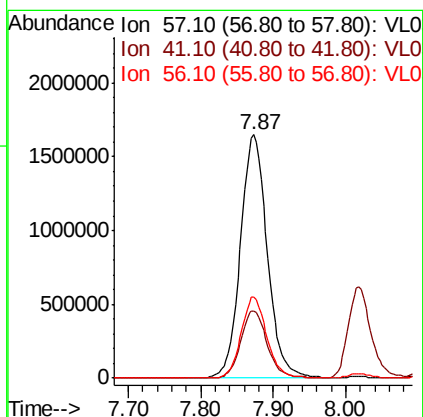
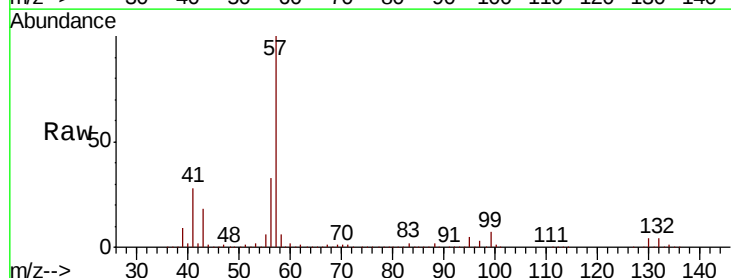
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

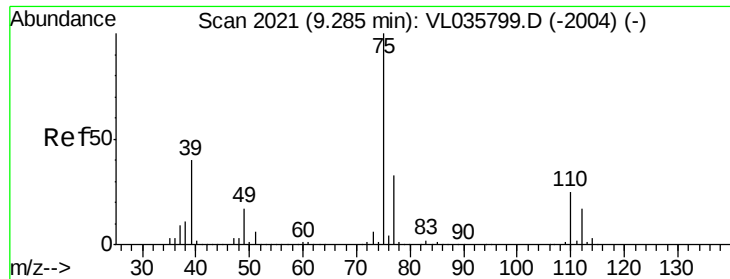
Tot Ion: 69 Resp: 1266376
Ion Ratio Lower Upper
69 100
41 106.7 81.1 121.7
100 36.8 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 10.428 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion: 57 Resp: 4256869
Ion Ratio Lower Upper
57 100
41 27.1 21.0 31.4
56 31.8 25.4 38.0

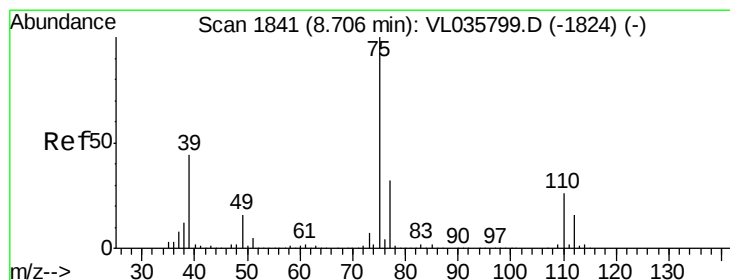
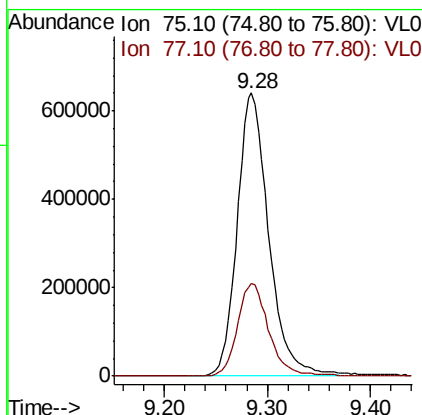
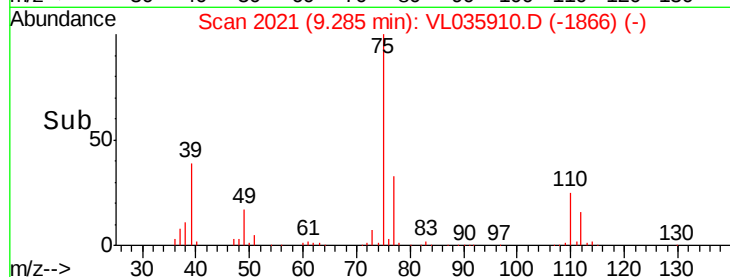
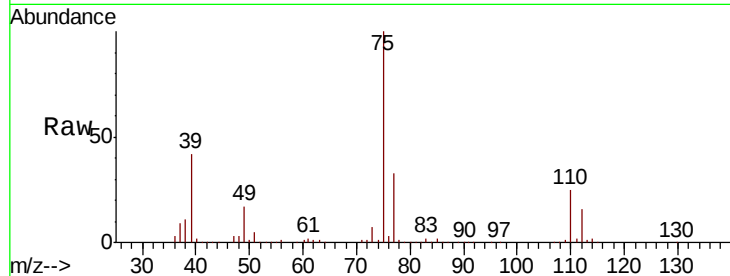




#45
 t-1,3-Dichloropropene
 Concen: 10.891 ppbv
 RT: 9.28 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

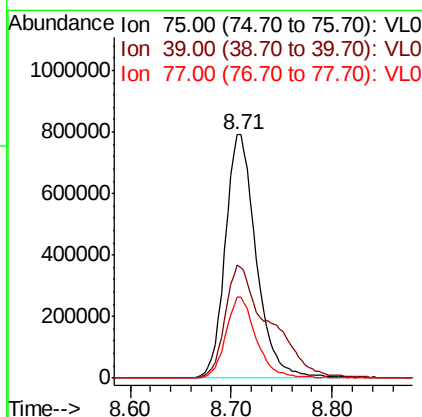
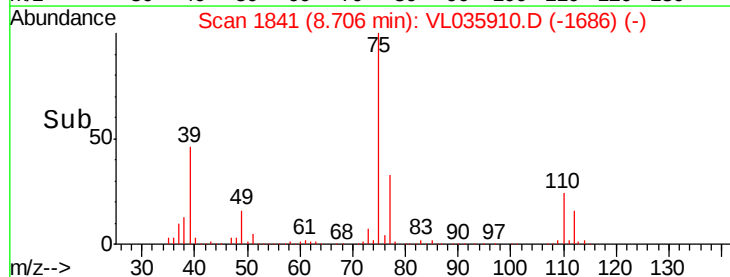
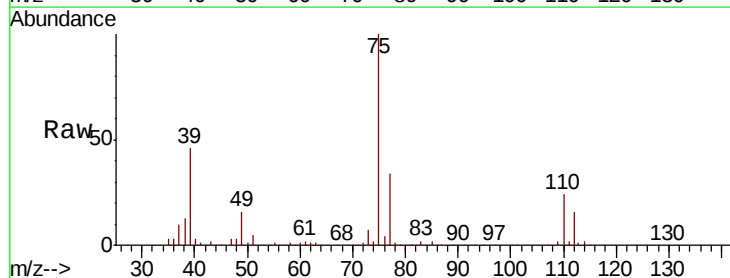
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

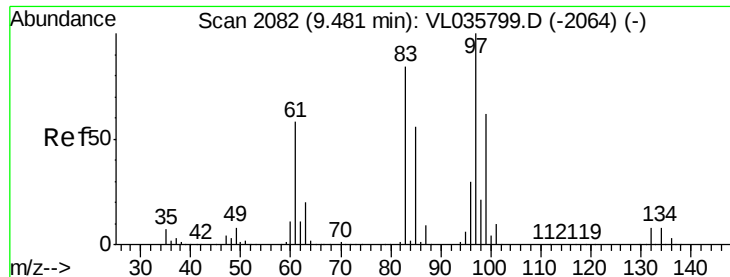
Tot Ion: 75 Resp: 1358543
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.4 39.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.721 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion: 75 Resp: 1693566
 Ion Ratio Lower Upper
 75 100
 39 46.1 35.1 52.7
 77 33.5 25.7 38.5



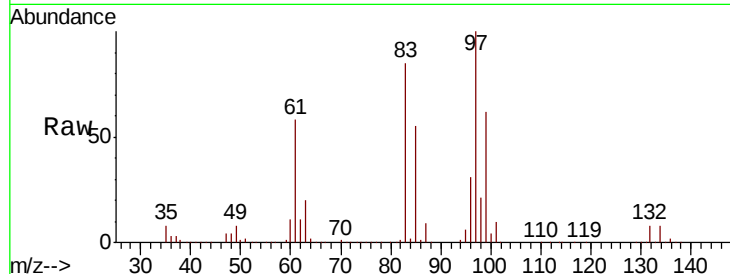


#47
 1,1,2-Trichloroethane
 Concen: 10.102 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

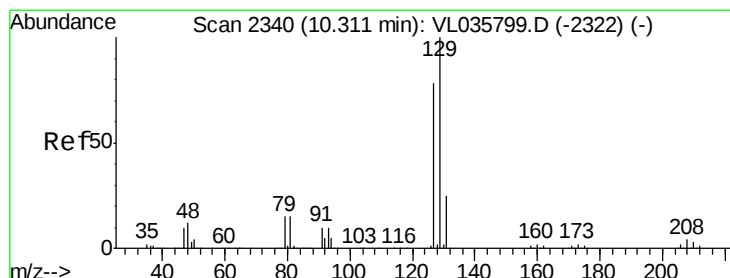
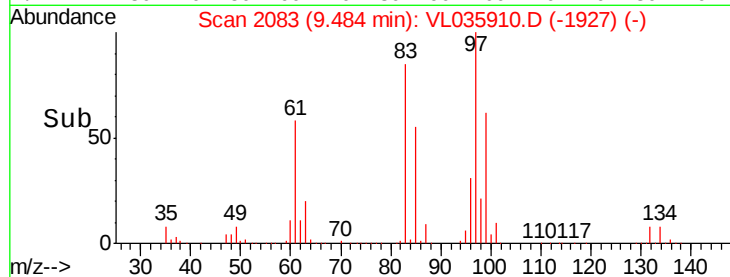
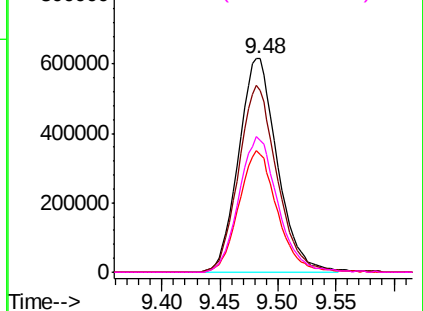
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

Tot Ion: 97 Resp: 1429606

Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.1	100.7
85	55.3	44.7	67.1
99	62.0	49.7	74.5



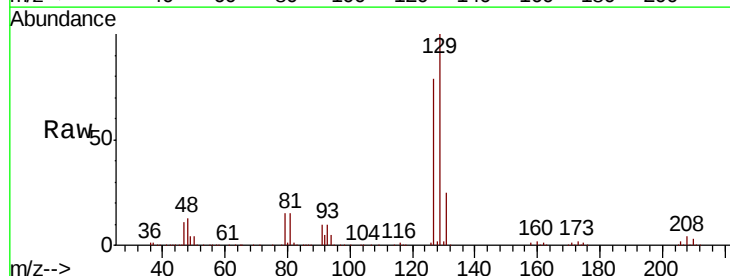
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



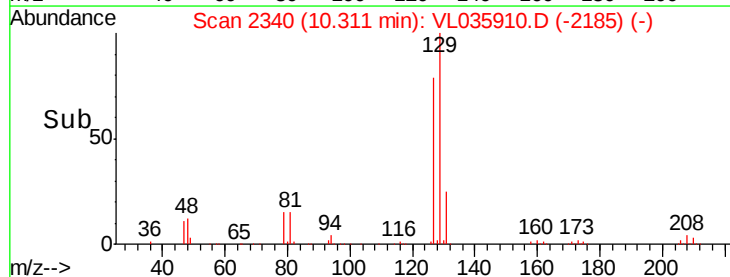
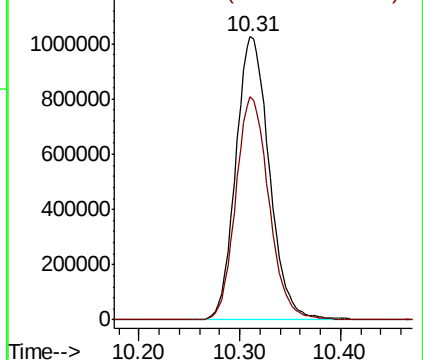
#48
 Dibromochloromethane
 Concen: 10.922 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

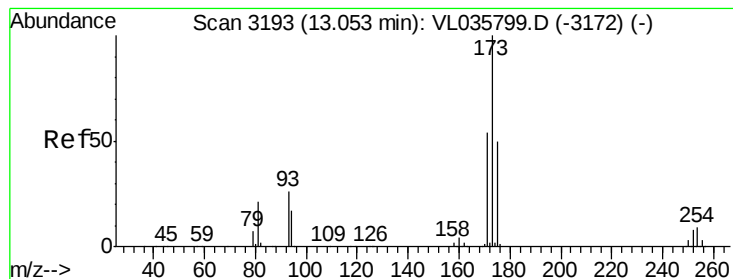
Tgt Ion: 129 Resp: 2361398

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.2	117.6



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





#49

Bromoform

Concen: 11.166 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

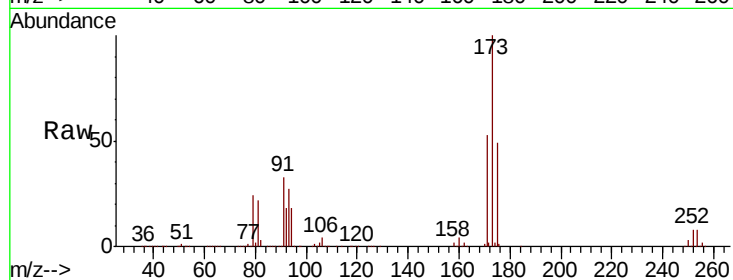
Tot Ion:173 Resp: 2037127

Ion Ratio Lower Upper

173 100

175 49.7 40.1 60.1

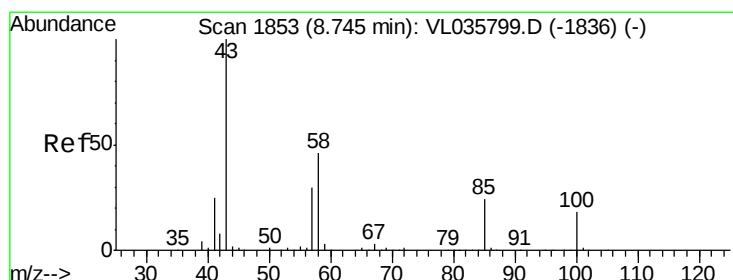
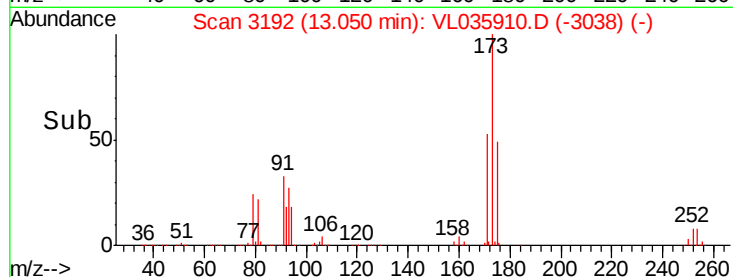
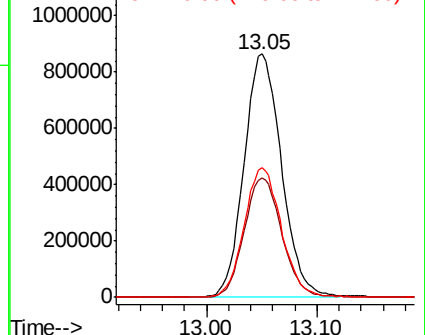
171 53.1 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.508 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL035910.D

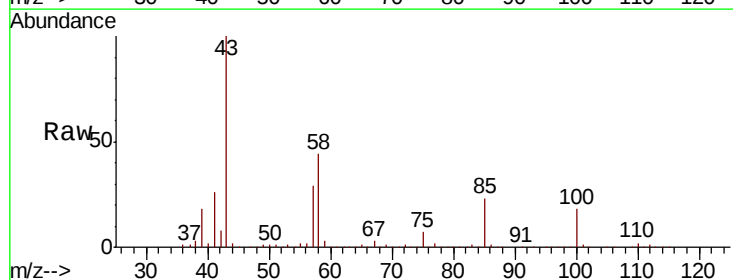
Acq: 12 Nov 2020 11:51

Tgt Ion: 43 Resp: 2369849

Ion Ratio Lower Upper

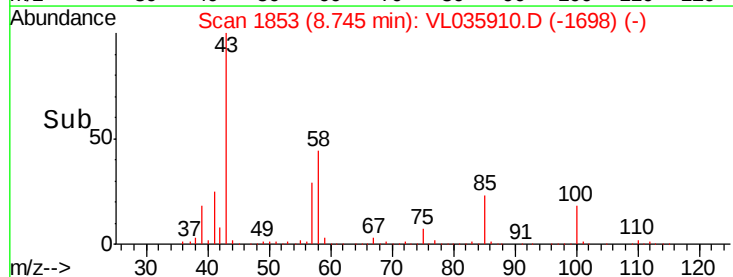
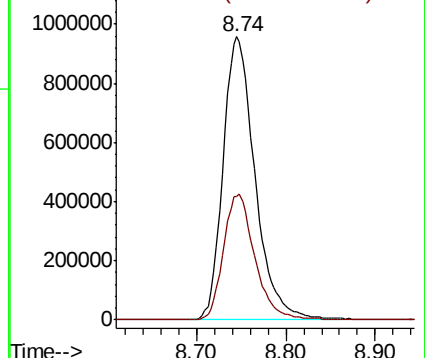
43 100

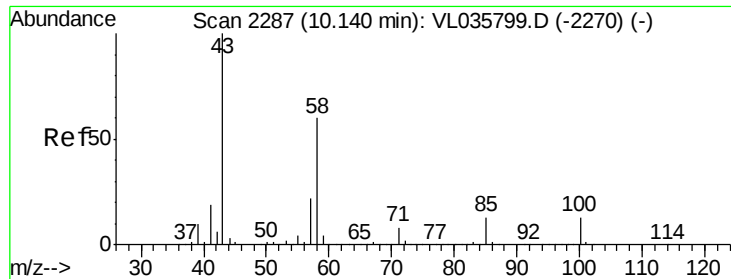
58 43.9 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

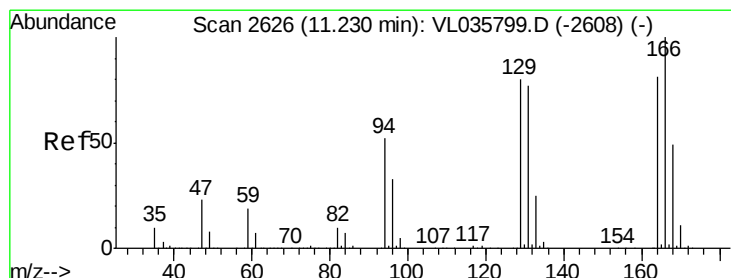
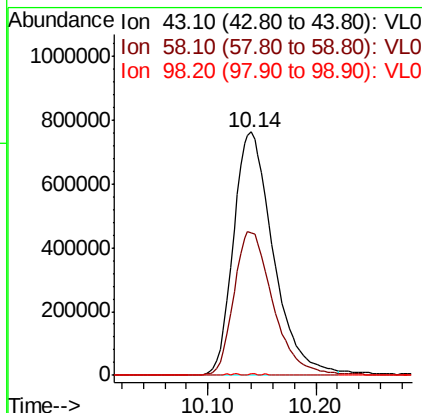
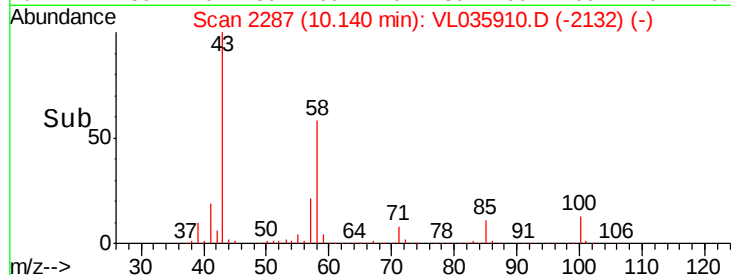
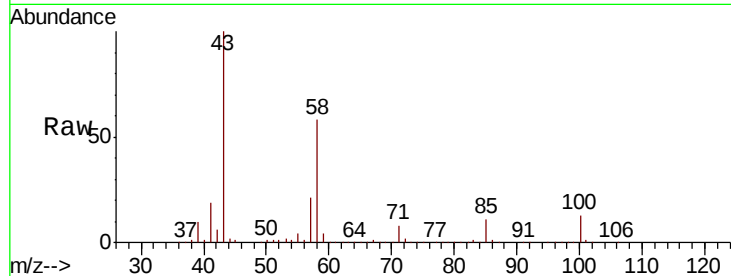




#51
2-Hexanone
Concen: 11.827 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

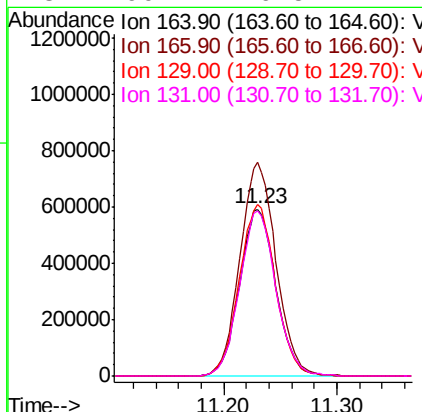
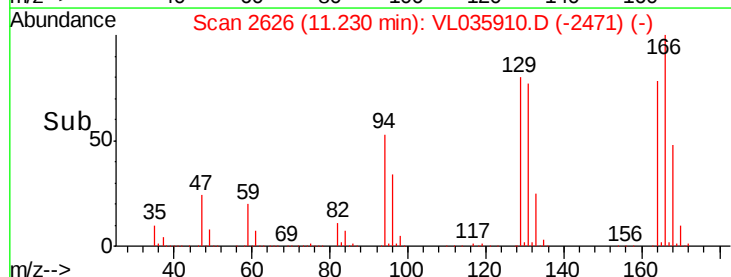
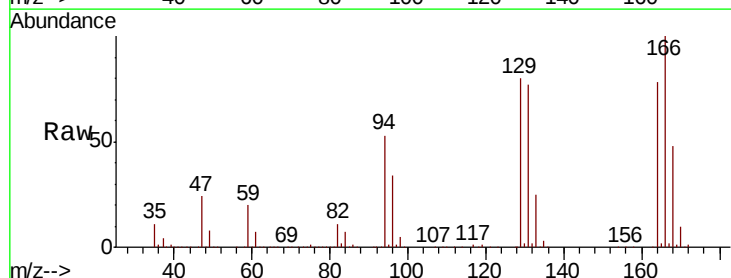
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

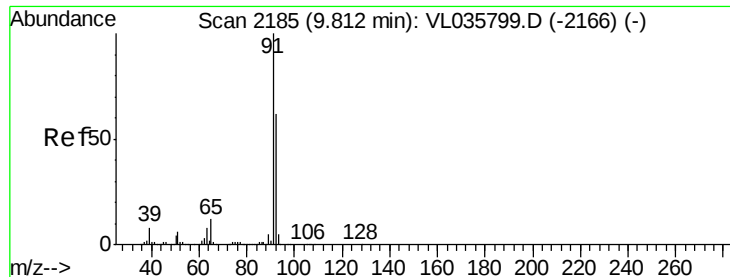
Tot Ion: 43 Resp: 1956510
Ion Ratio Lower Upper
43 100
58 59.0 48.3 72.5
98 0.8 0.6 0.8



#52
Tetrachloroethene
Concen: 9.040 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion: 164 Resp: 1321158
Ion Ratio Lower Upper
164 100
166 128.0 99.3 148.9
129 102.4 79.3 118.9
131 99.1 76.5 114.7





#53

Toluene

Concen: 9.998 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

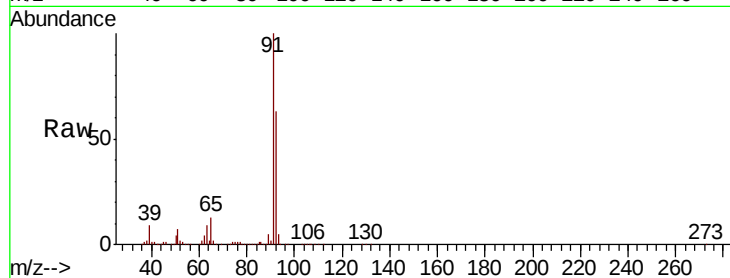
VL1112ABS01

Tot Ion: 91 Resp: 3721691

Ion Ratio Lower Upper

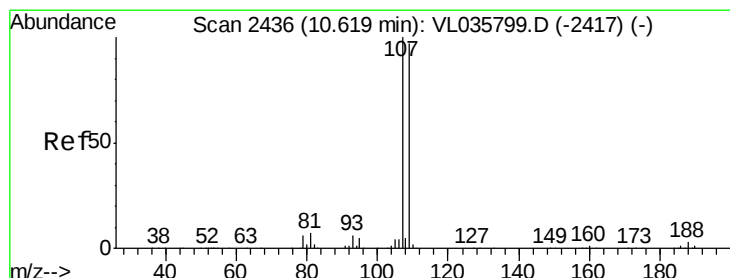
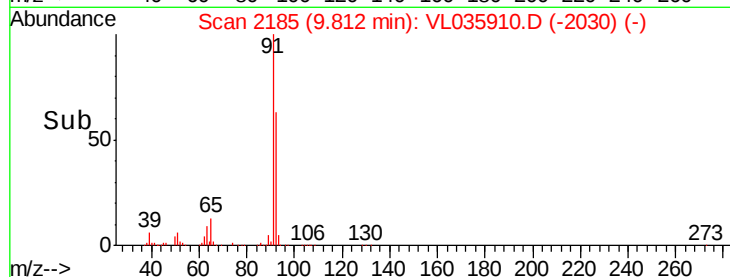
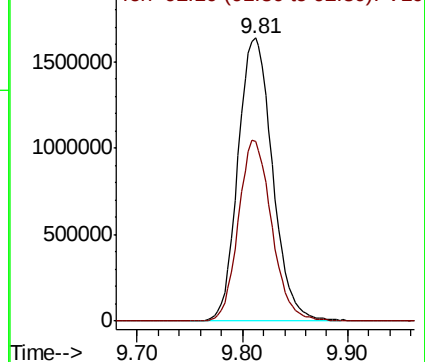
91 100

92 61.8 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.127 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL035910.D

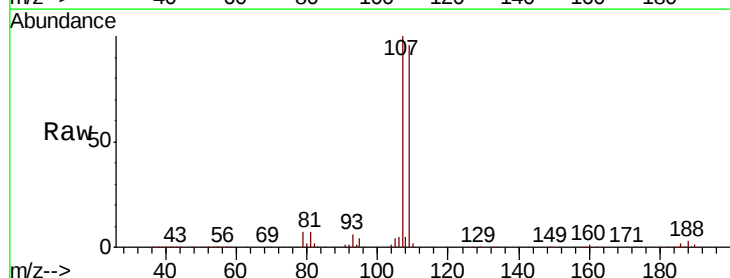
Acq: 12 Nov 2020 11:51

Tgt Ion: 107 Resp: 2179581

Ion Ratio Lower Upper

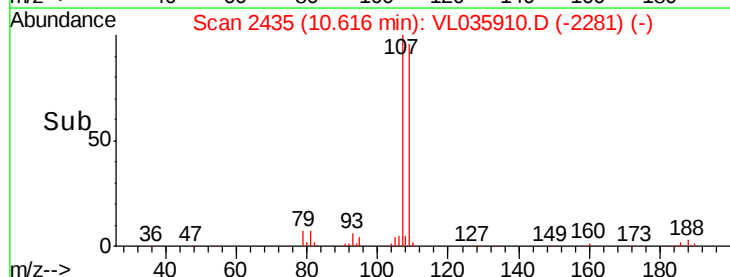
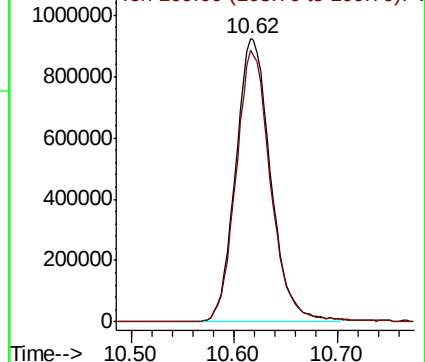
107 100

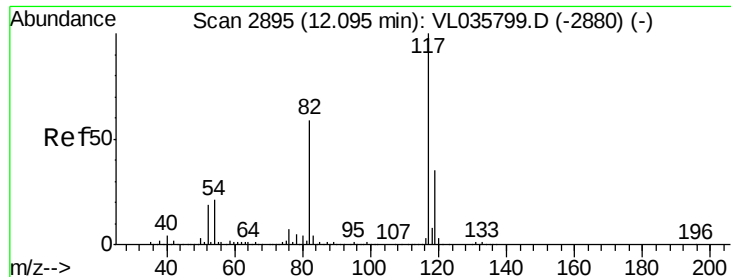
109 95.8 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

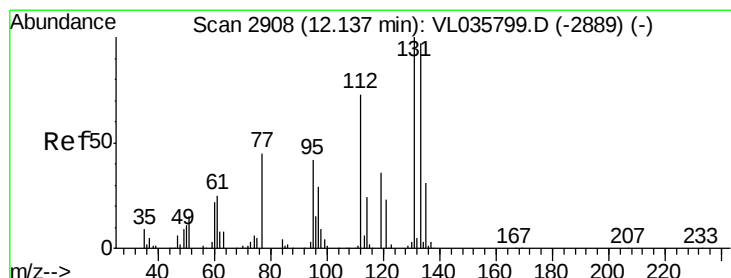
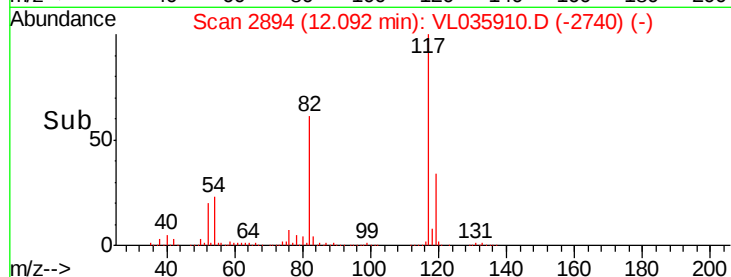
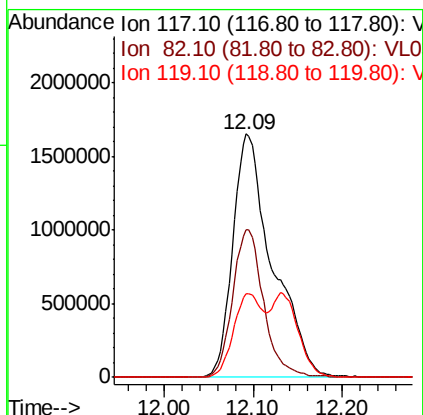
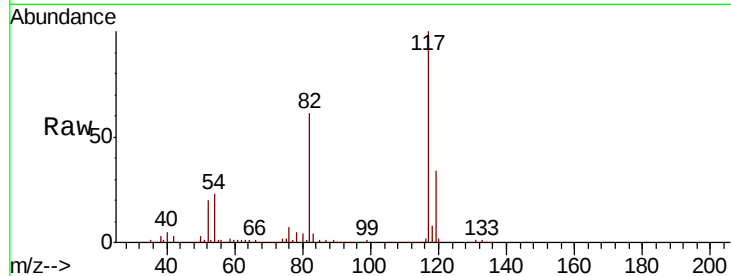




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

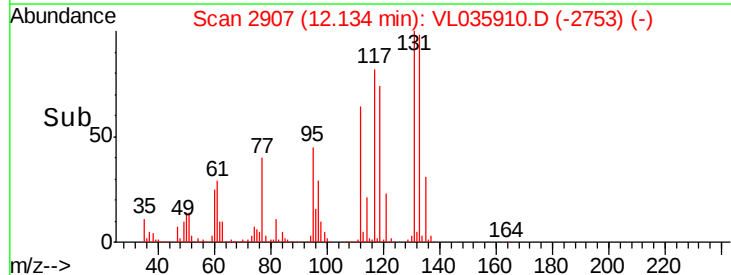
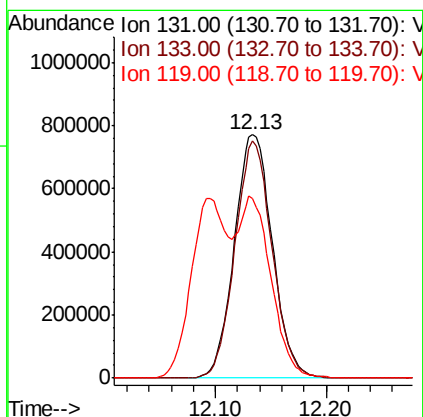
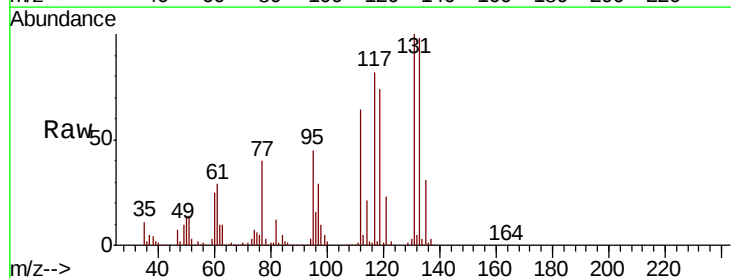
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

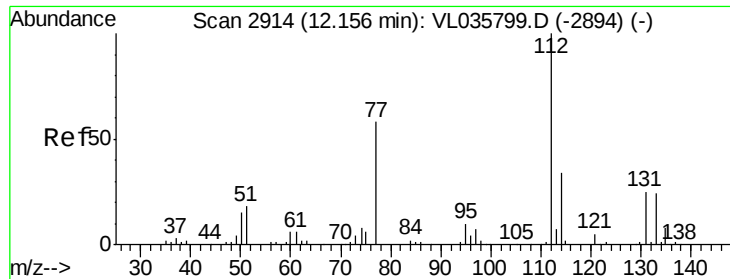
Tot Ion:117 Resp: 5096999
Ion Ratio Lower Upper
117 100
82 47.9 50.6 76.0#
119 25.5 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.034 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion:131 Resp: 1837795
Ion Ratio Lower Upper
131 100
133 95.6 76.8 115.2
119 62.3 47.4 71.0

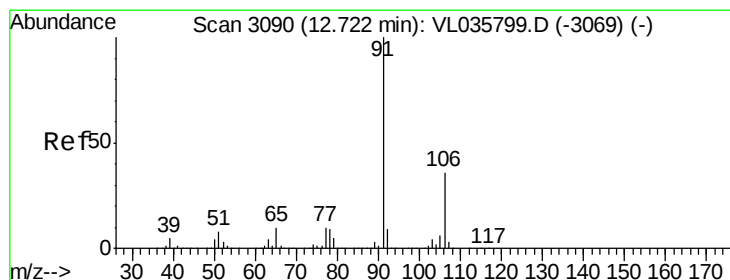
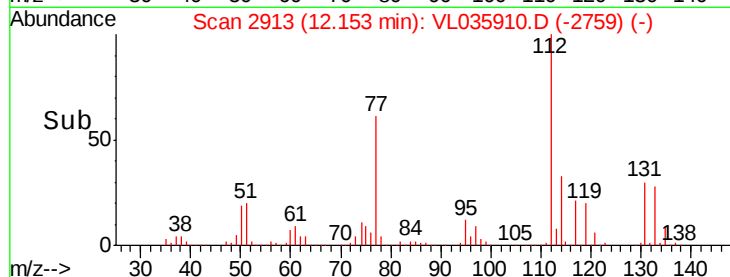
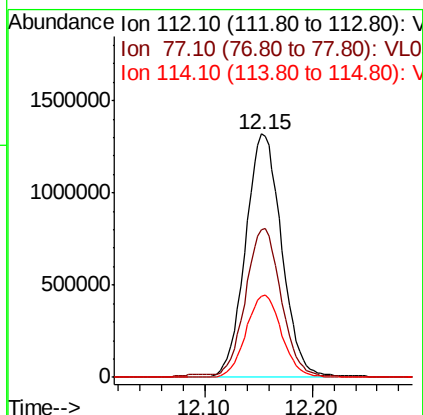
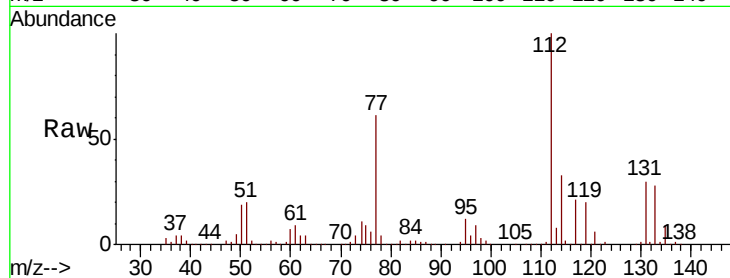




#57
Chlorobenzene
Concen: 7.581 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

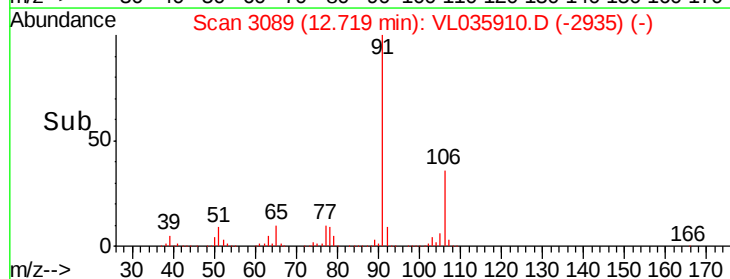
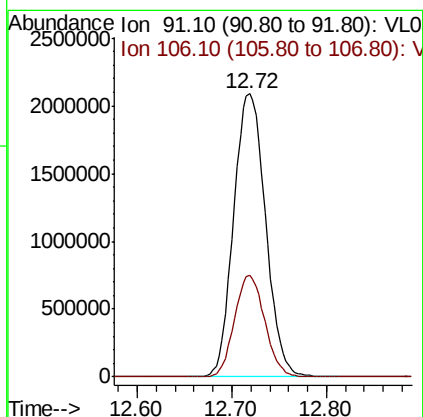
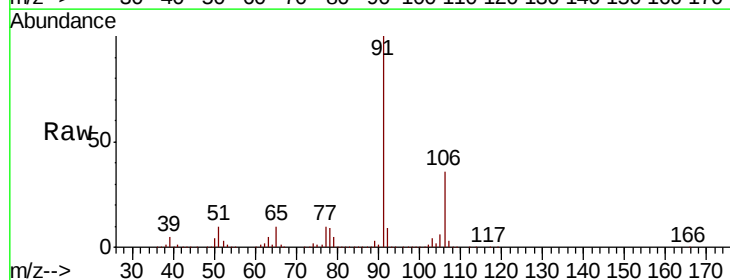
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

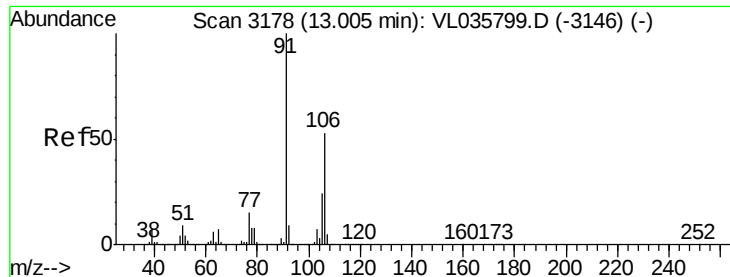
Tot Ion:112 Resp: 3072270
Ion Ratio Lower Upper
112 100
77 60.1 47.5 71.3
114 33.0 30.3 37.1



#58
Ethyl Benzene
Concen: 7.914 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion: 91 Resp: 4913022
Ion Ratio Lower Upper
91 100
106 35.9 28.6 43.0

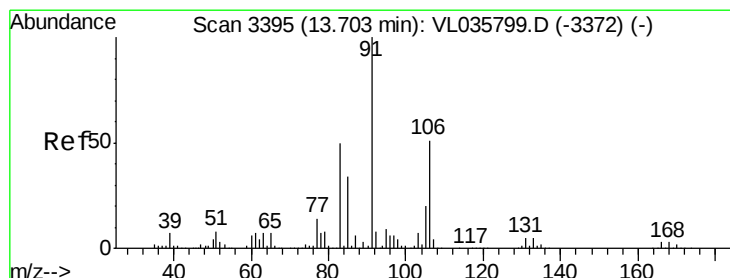
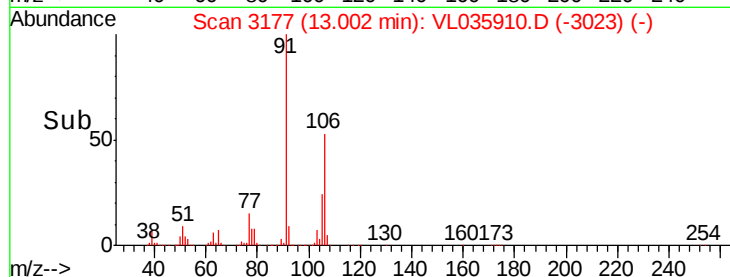
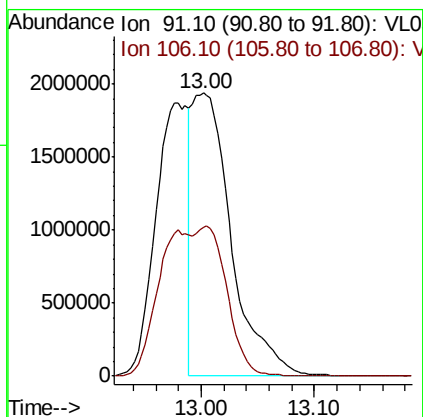
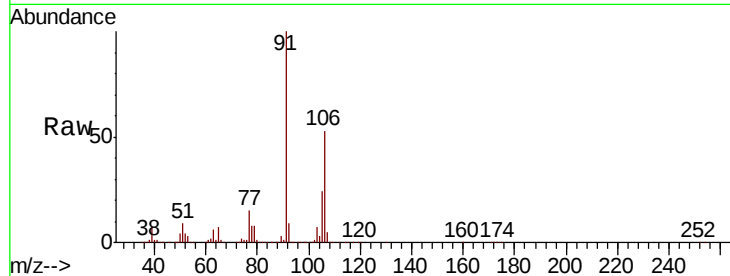




#59
m/p-Xylene
Concen: 8.788 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

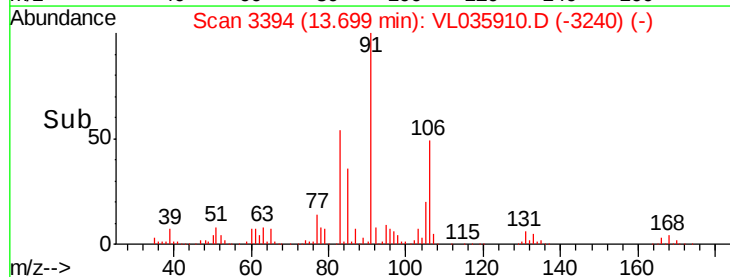
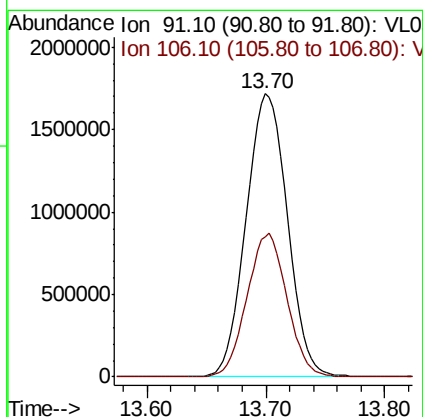
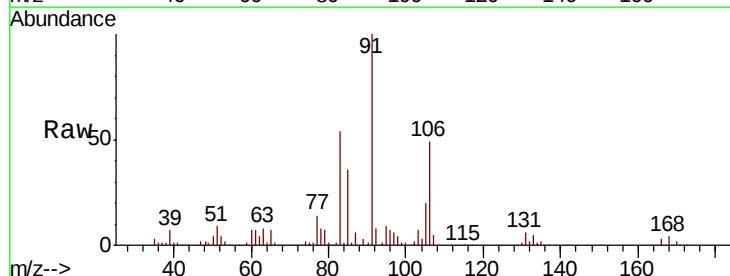
Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

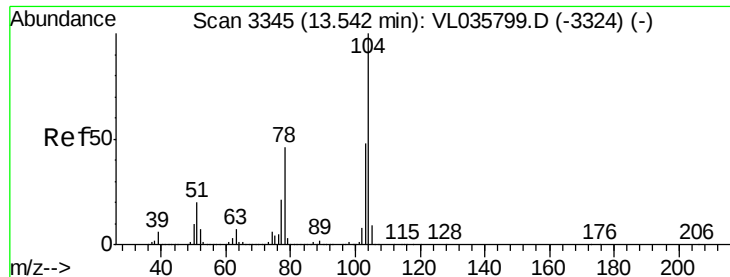
Tot Ion: 91 Resp: 4615636
Ion Ratio Lower Upper
91 100
106 88.9 39.5 59.3#



#60
o-Xylene
Concen: 8.067 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion: 91 Resp: 4121470
Ion Ratio Lower Upper
91 100
106 49.2 24.8 74.4





#61

Stvrene

Concen: 8.297 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

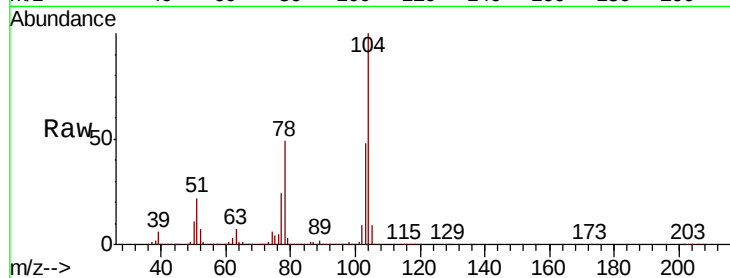
Tot Ion:104 Resp: 3106000

Ion Ratio Lower Upper

104 100

78 47.9 37.1 55.7

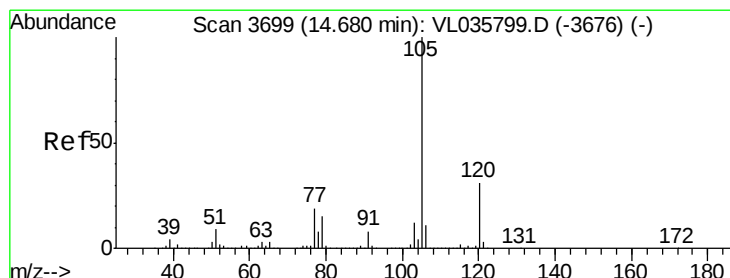
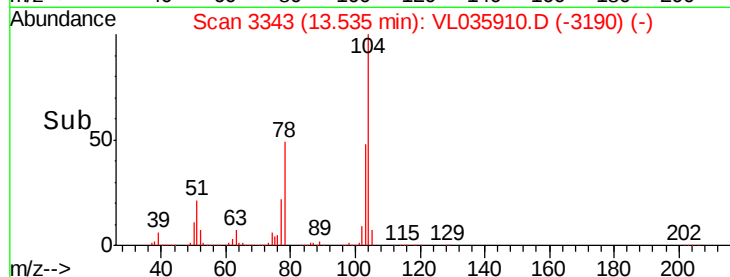
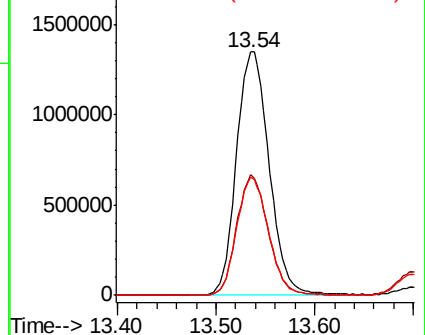
103 47.4 37.9 56.9



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: 7.719 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL035910.D

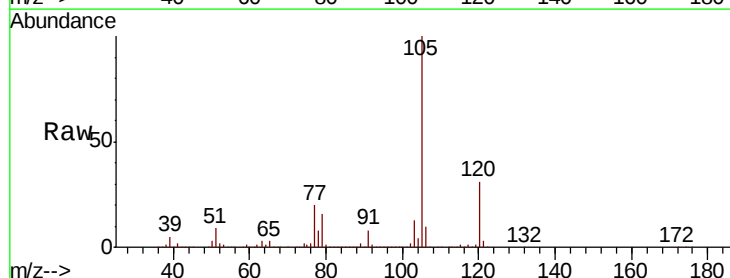
Acq: 12 Nov 2020 11:51

Tgt Ion:105 Resp: 6198723

Ion Ratio Lower Upper

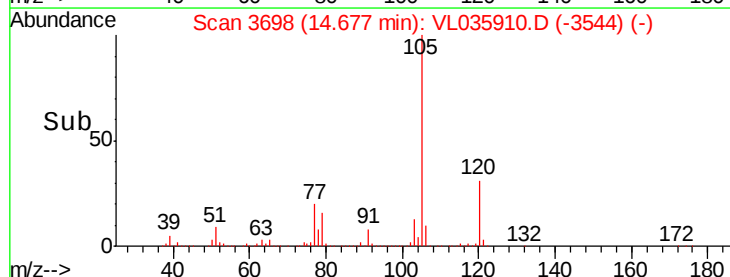
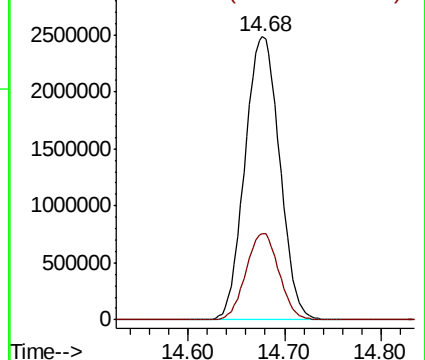
105 100

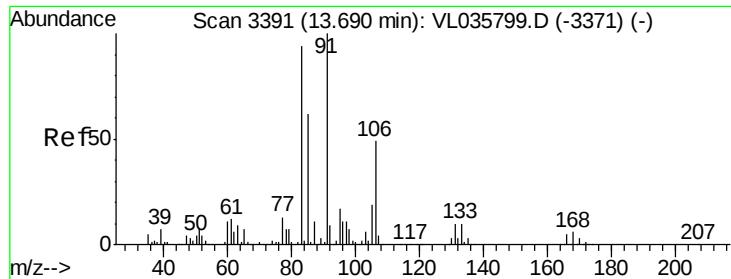
120 29.0 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

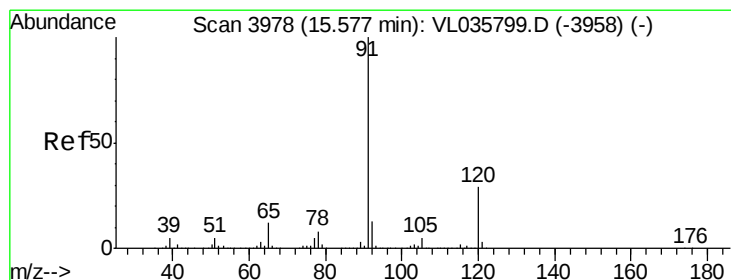
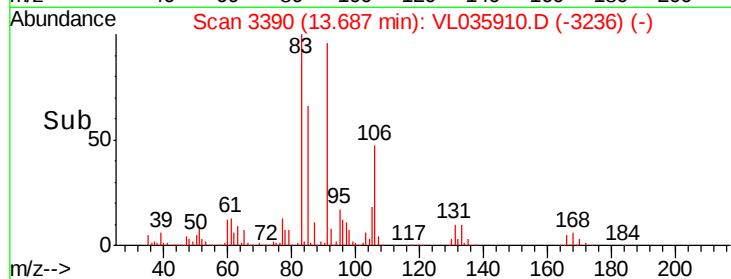
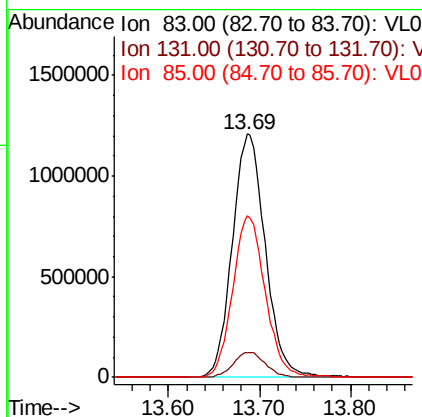
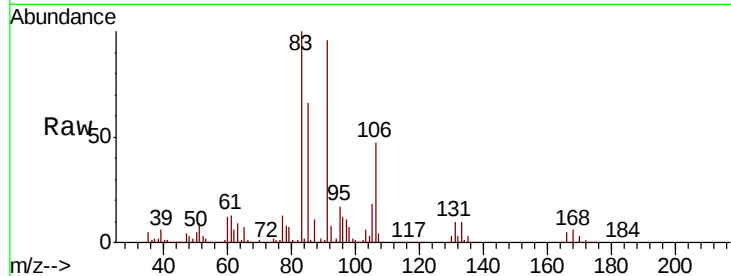




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.686 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

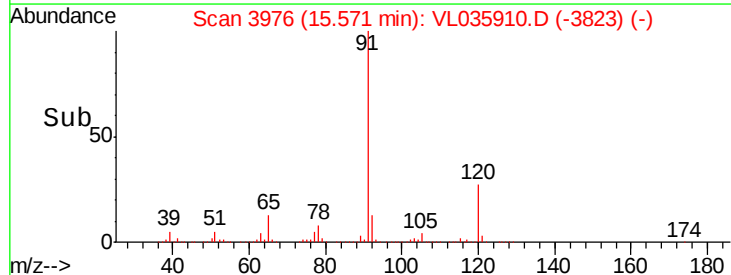
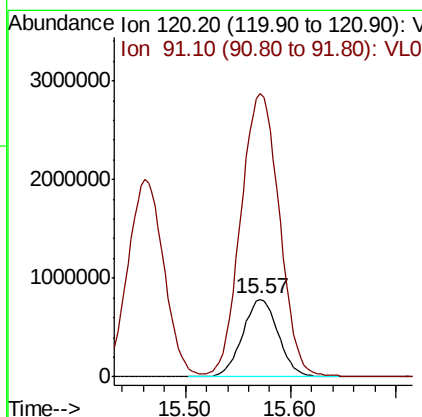
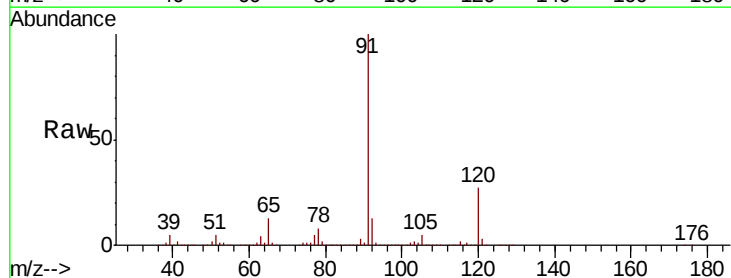
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

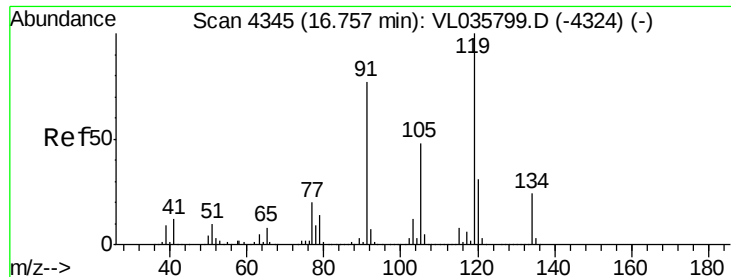
Tot Ion: 83 Resp: 3042541
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.3 15.8
 85 66.0 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.972 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion:120 Resp: 1850441
 Ion Ratio Lower Upper
 120 100
 91 396.2 311.1 466.7





#65

tert-Butylbenzene

Concen: 7.852 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampled :

VL1112ABS01

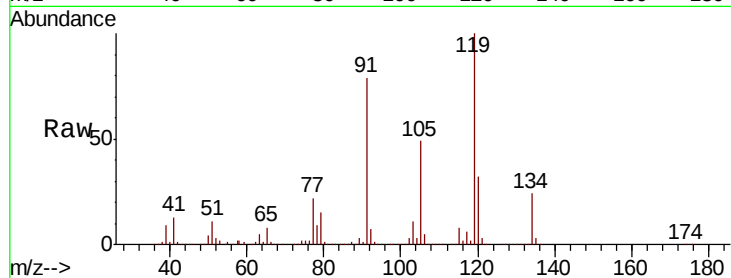
Tot Ion:119 Resp: 5739626

Ion Ratio Lower Upper

119 100

91 79.0 62.0 93.0

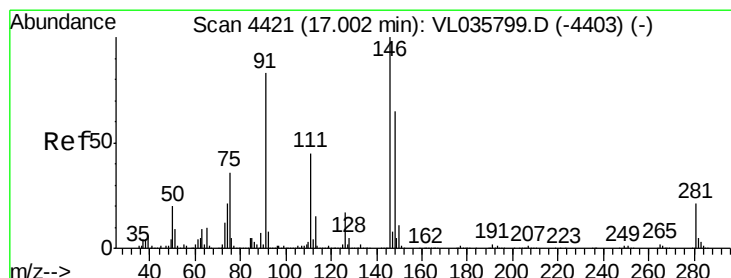
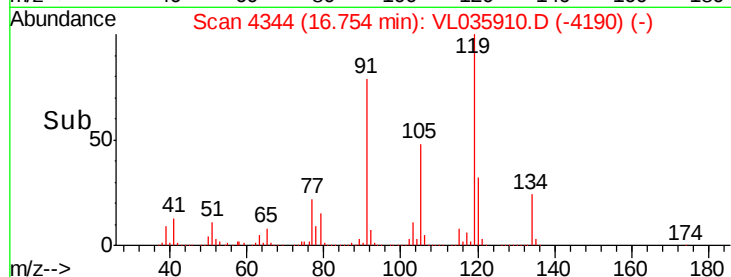
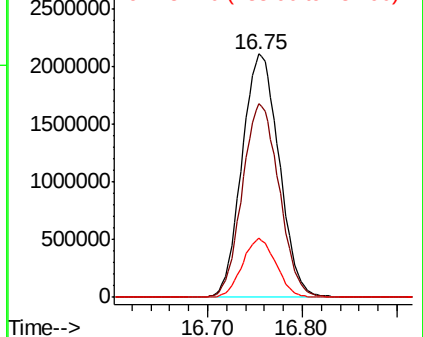
134 22.1 17.8 26.8



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: 8.670 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

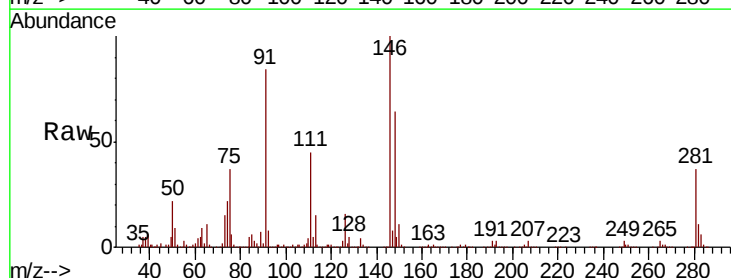
Tgt Ion: 91 Resp: 2094720

Ion Ratio Lower Upper

91 100

126 19.3 16.0 24.0

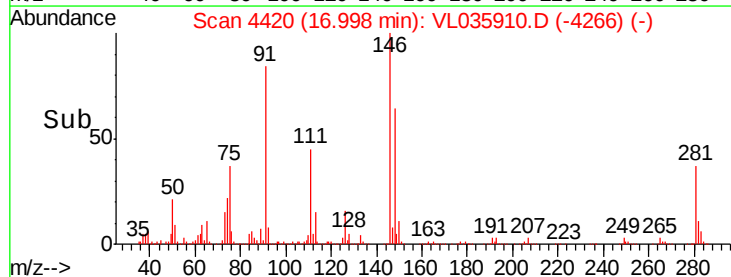
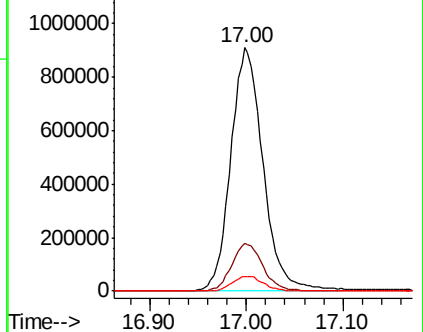
128 6.1 5.0 7.4

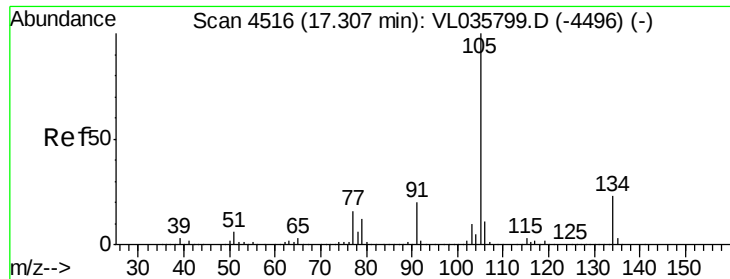


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

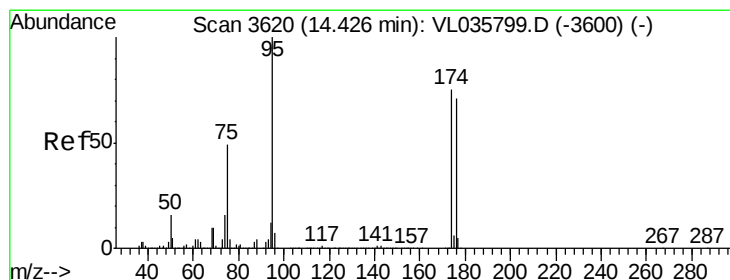
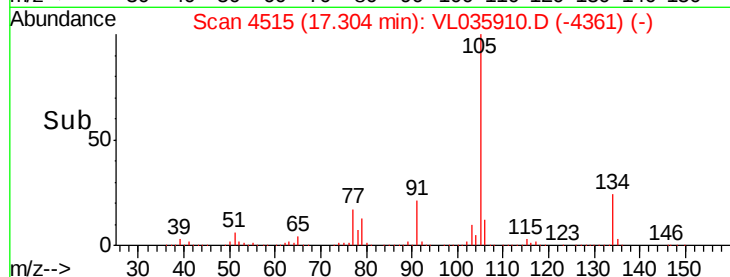
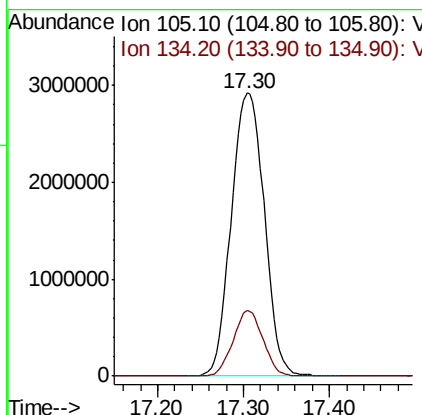
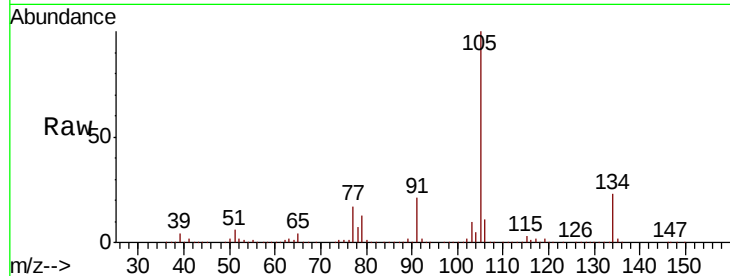




#67
 sec-Butylbenzene
 Concen: 7.902 ppbv
 RT: 17.30 min Scan# 4516
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

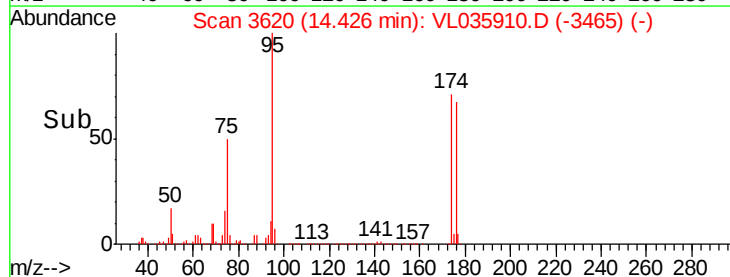
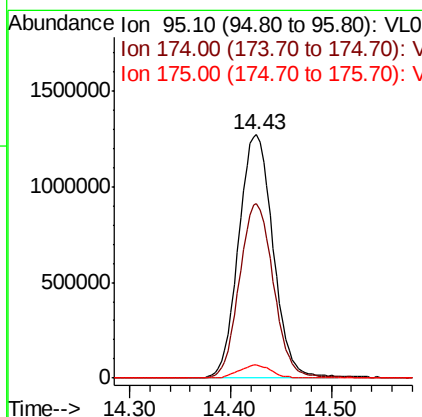
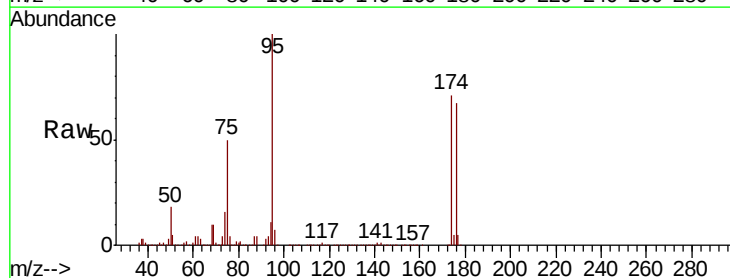
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

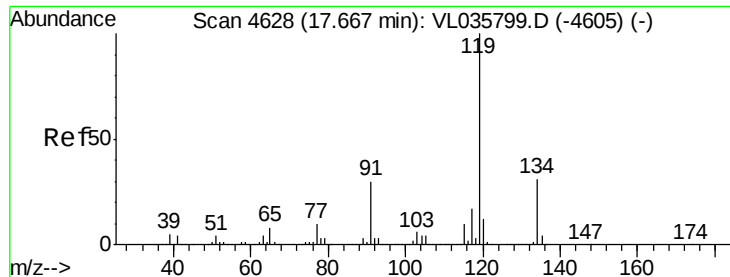
Tot Ion:105 Resp: 7783987
 Ion Ratio Lower Upper
 105 100
 134 21.1 17.0 25.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.316 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion: 95 Resp: 3011635
 Ion Ratio Lower Upper
 95 100
 174 71.7 59.8 89.6
 175 5.1 4.3 6.5

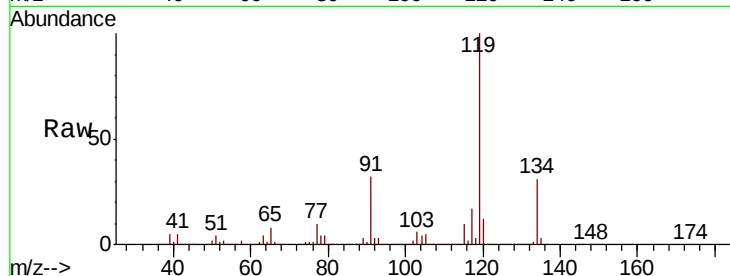




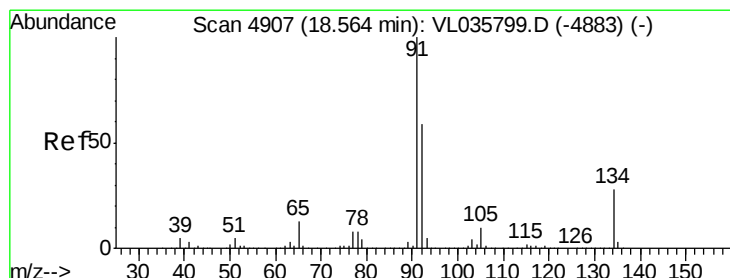
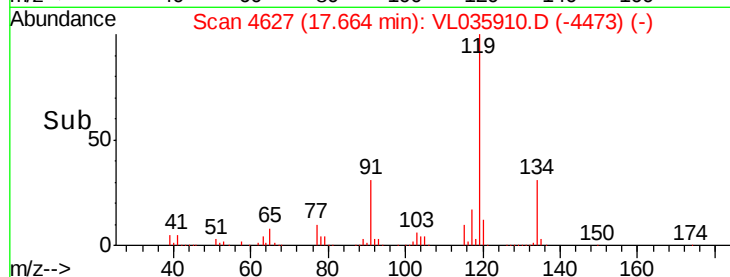
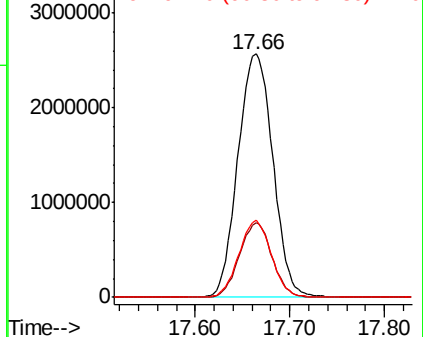
#69
p-Isopropyltoluene
Concen: 8.113 ppbv
RT: 17.66 min Scan# 4627
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL1112ABS01

Tot Ion:119 Resp: 6595022
Ion Ratio Lower Upper
119 100
134 28.7 23.0 34.6
91 29.3 22.8 34.2

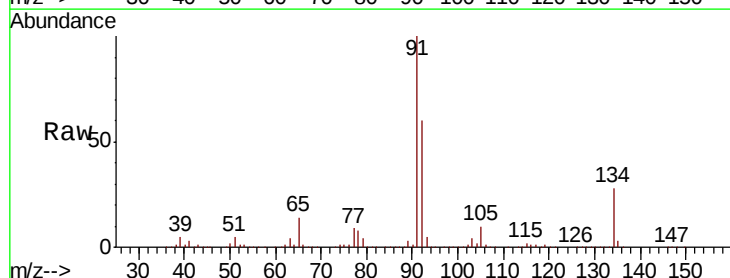


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

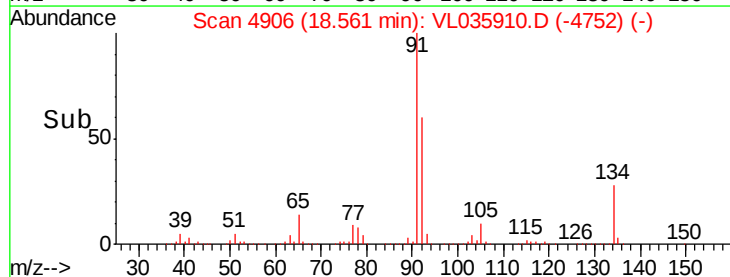
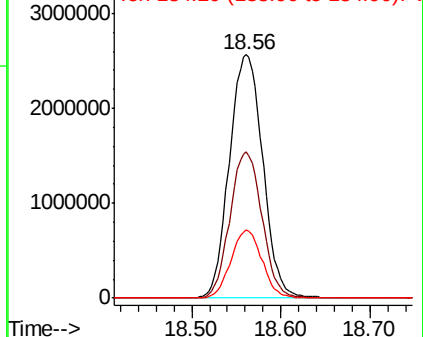


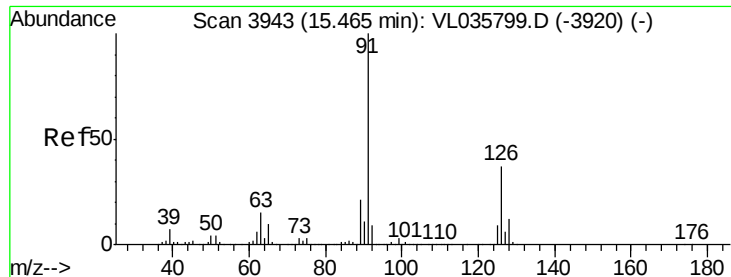
#70
n-Butylbenzene
Concen: 8.513 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL035910.D
Acq: 12 Nov 2020 11:51

Tgt Ion: 91 Resp: 6663855
Ion Ratio Lower Upper
91 100
92 57.8 45.7 68.5
134 26.2 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: 8.123 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

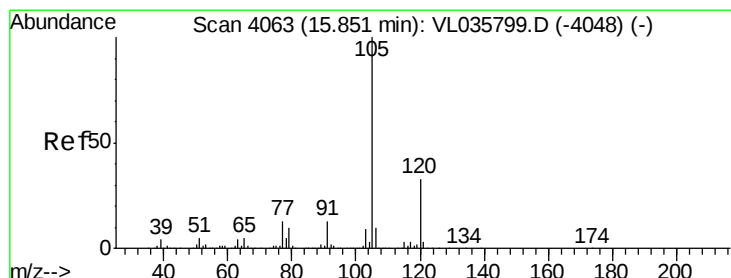
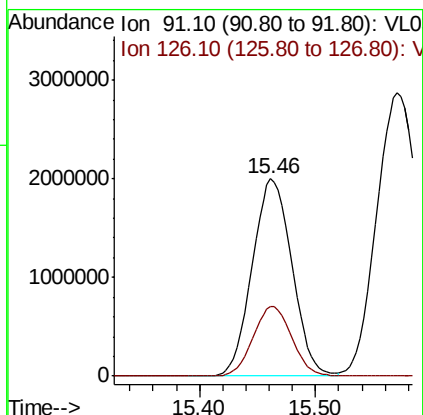
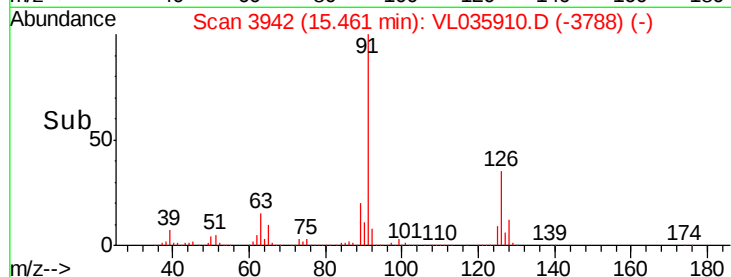
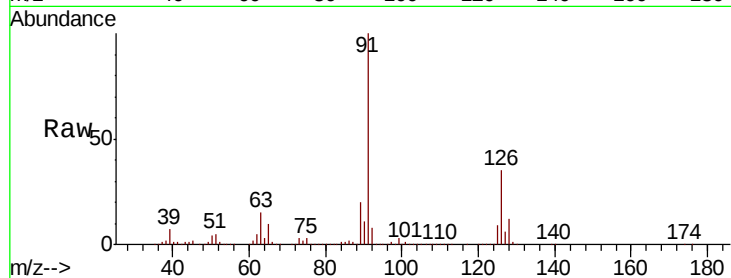
VL1112ABS01

Tot Ion: 91 Resp: 4771051

Ion Ratio Lower Upper

91 100

126 34.6 14.3 57.1



#72

4-Ethyltoluene

Concen: 8.134 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Tgt Ion:105 Resp: 5040358

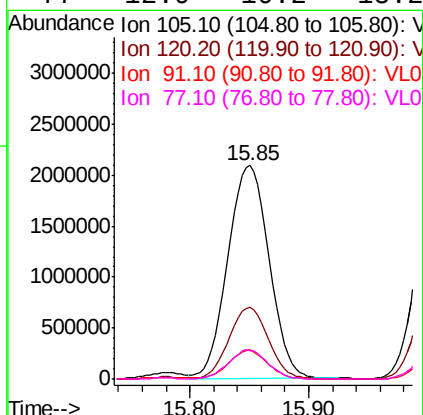
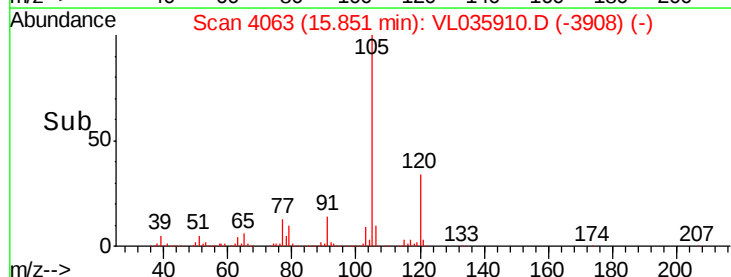
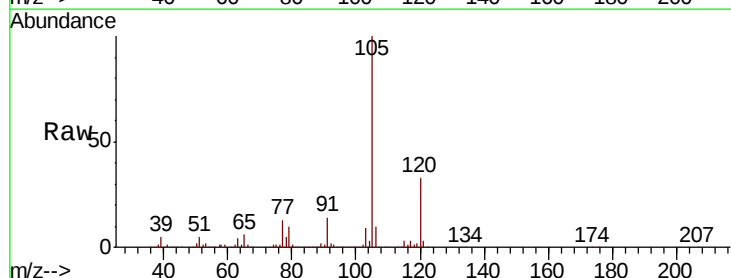
Ion Ratio Lower Upper

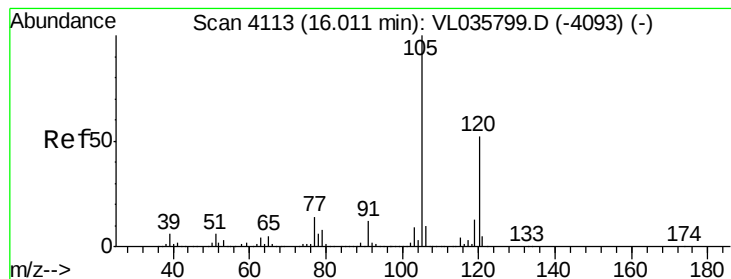
105 100

120 32.3 25.9 38.9

91 12.6 9.9 14.9

77 12.9 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 8.303 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

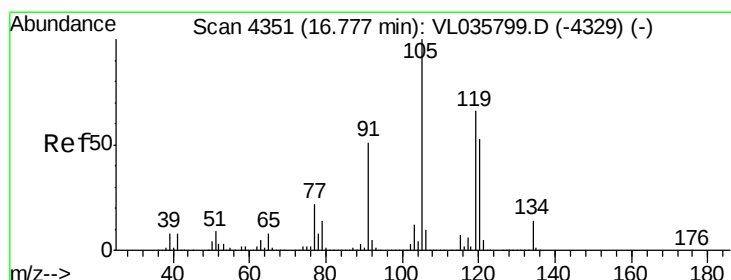
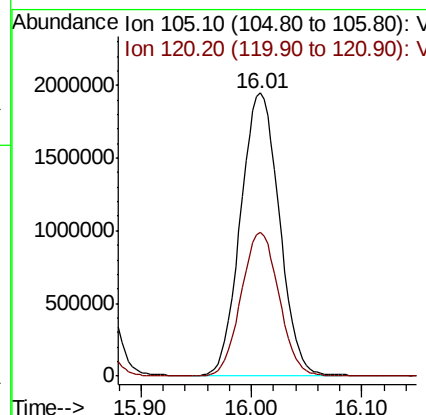
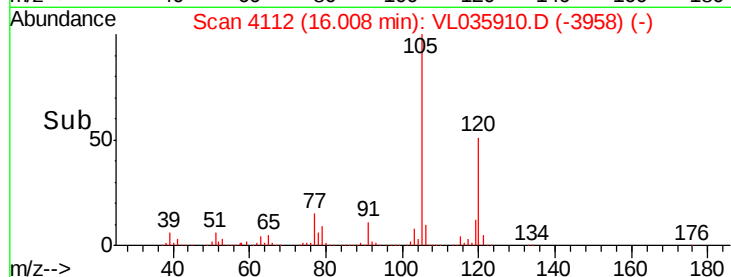
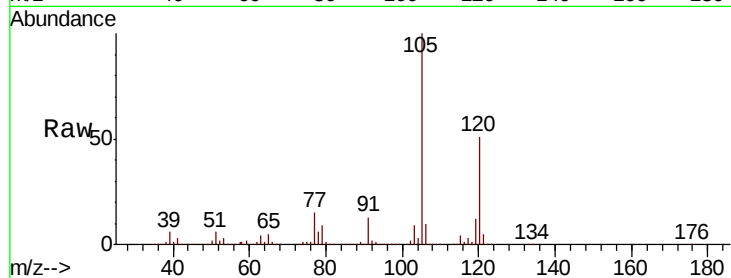
VL1112ABS01

Tot Ion:105 Resp: 4708741

Ion Ratio Lower Upper

105 100

120 50.8 41.4 62.2



#74

1,2,4-Trimethylbenzene

Concen: 8.165 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Tgt Ion:105 Resp: 4961289

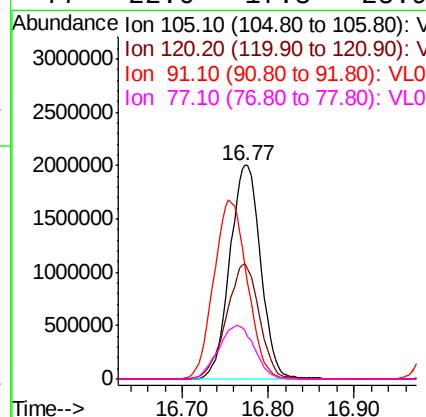
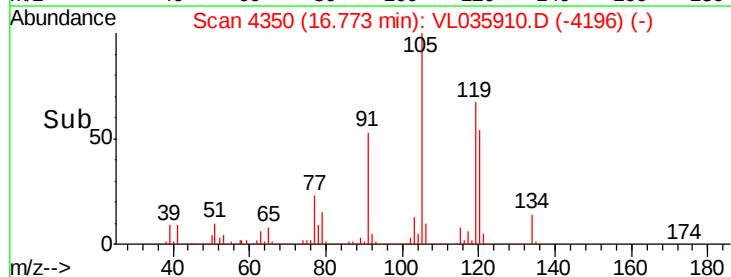
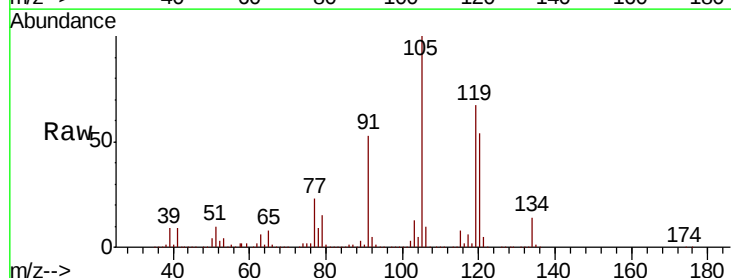
Ion Ratio Lower Upper

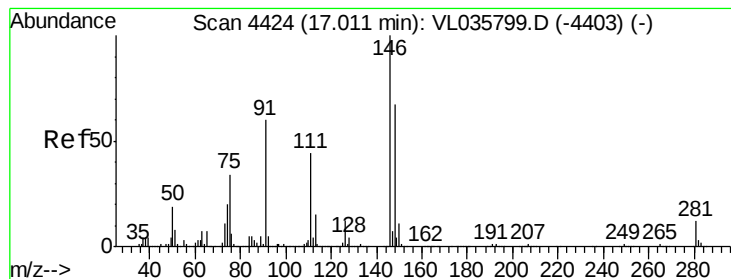
105 100

120 53.8 42.0 63.0

91 53.0 41.0 61.6

77 22.6 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 8.019 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

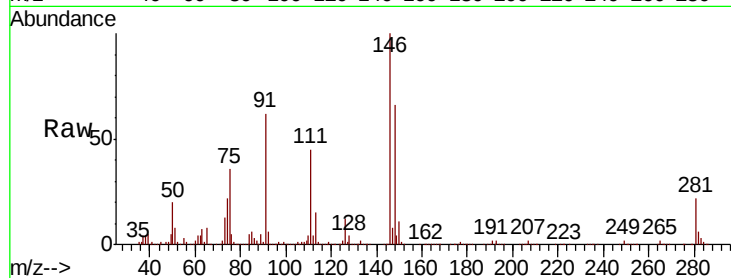
Tot Ion:146 Resp: 3102573

Ion Ratio Lower Upper

146 100

111 45.2 21.8 65.4

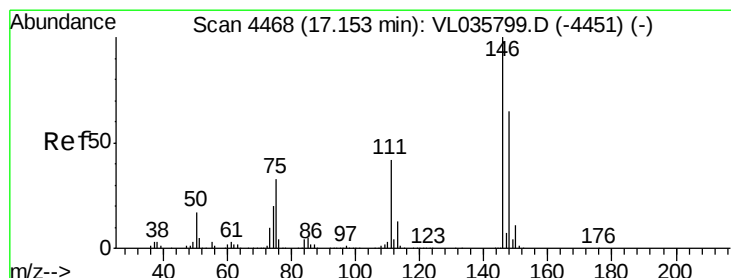
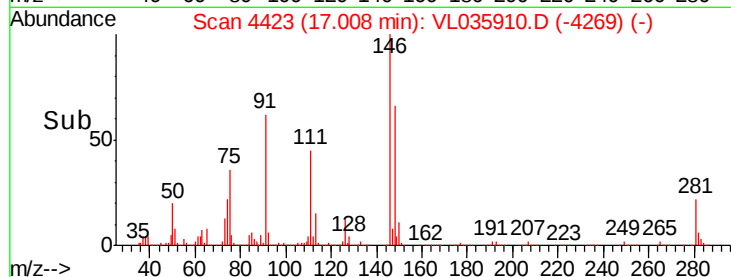
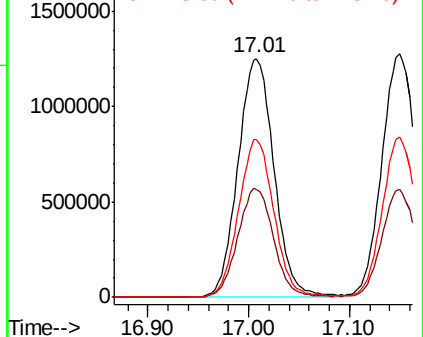
148 65.1 32.5 97.5



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



#76

1,4-Dichlorobenzene

Concen: 8.239 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

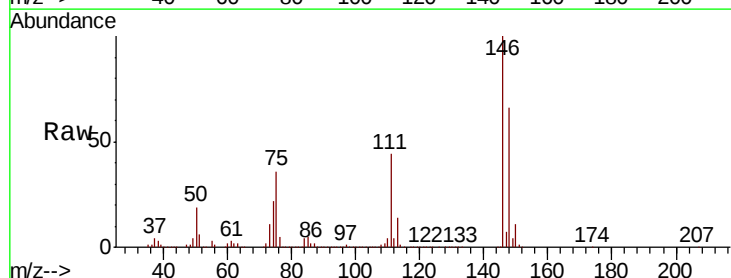
Tgt Ion:146 Resp: 3074966

Ion Ratio Lower Upper

146 100

111 43.9 21.3 63.7

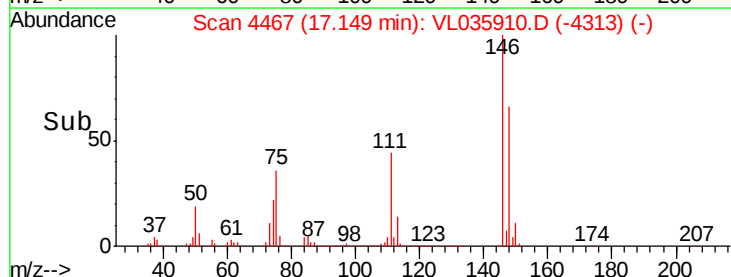
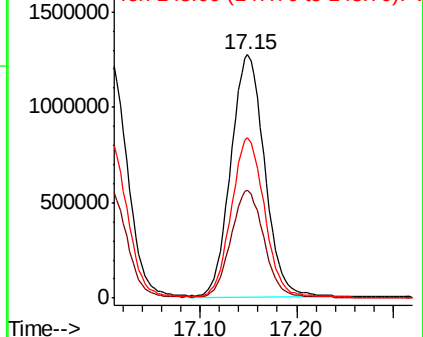
148 65.7 33.0 99.0

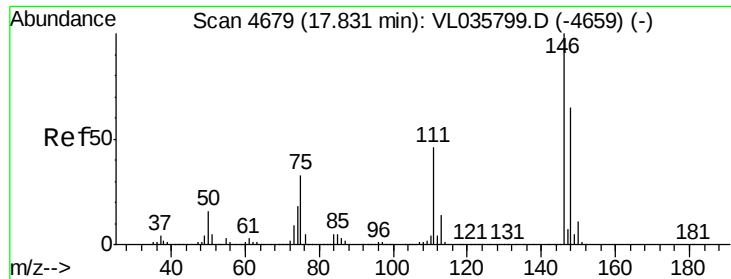


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

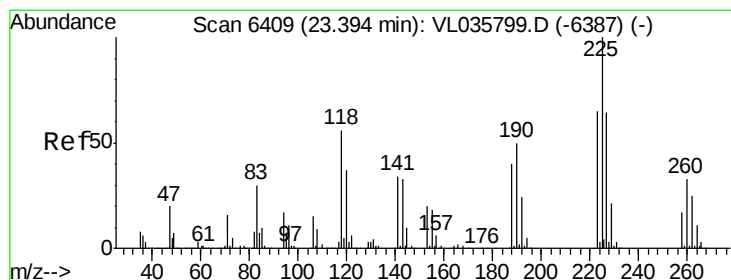
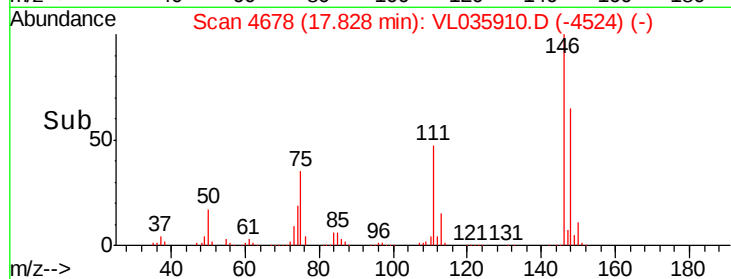
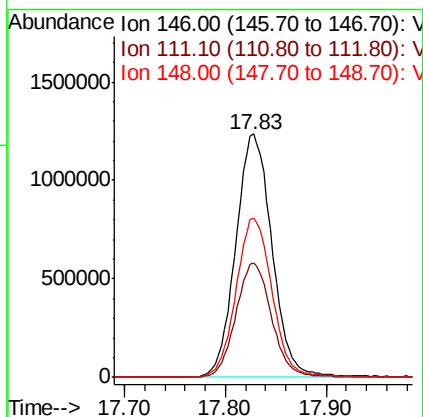
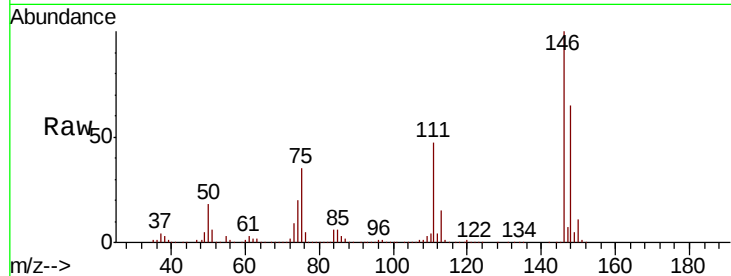




#77
 1,2-Dichlorobenzene
 Concen: 8.109 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.00 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

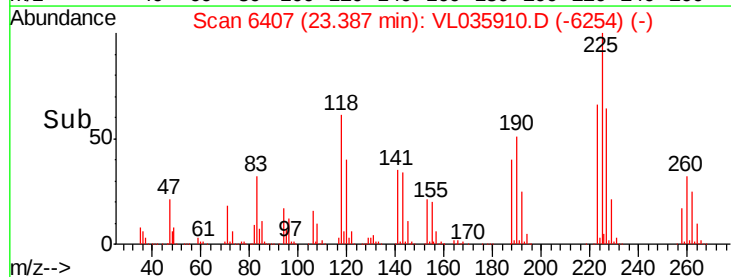
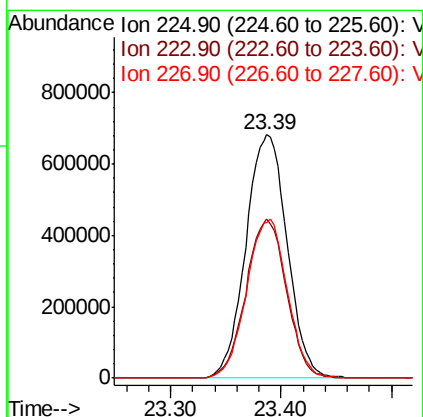
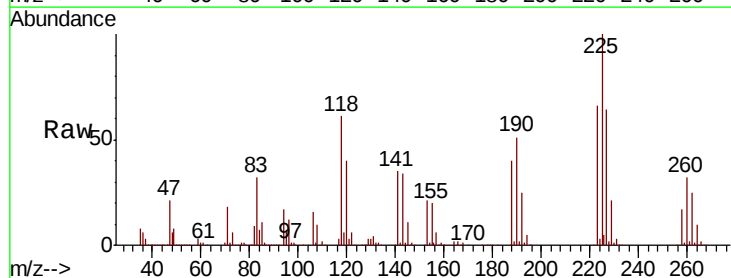
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

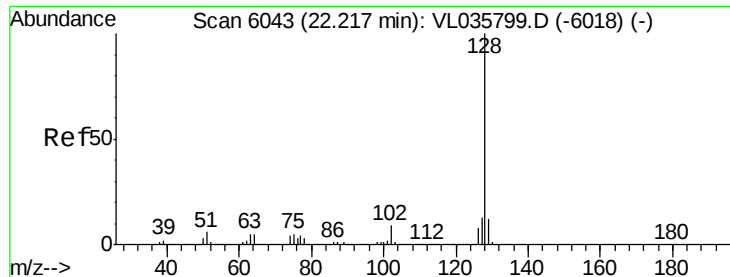
Tot Ion:146 Resp: 3058085
 Ion Ratio Lower Upper
 146 100
 111 46.5 22.4 67.0
 148 65.4 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.045 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. -0.01 min
 Lab File: VL035910.D
 Acq: 12 Nov 2020 11:51

Tgt Ion:225 Resp: 1767596
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.0 76.6
 227 64.5 51.2 76.8





#79

Naphthalene

Concen: 10.559 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. -0.01 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

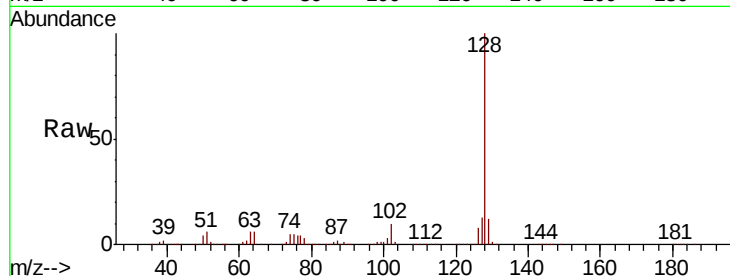
MSVOA_L

ClientSampleId :

VL1112ABS01

Tot Ion:128 Resp: 4472430

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.6	9.2	13.8

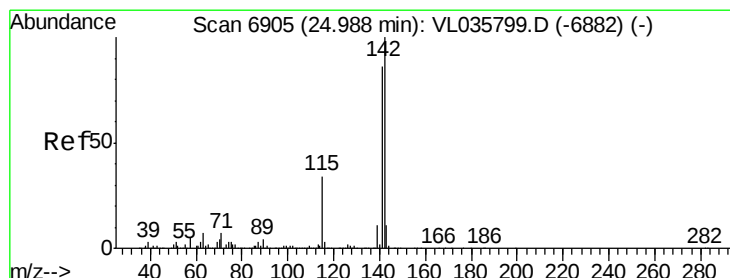
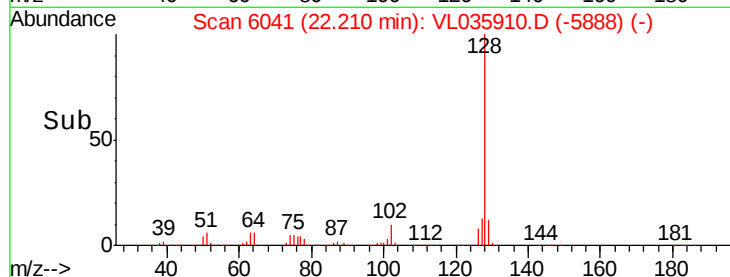
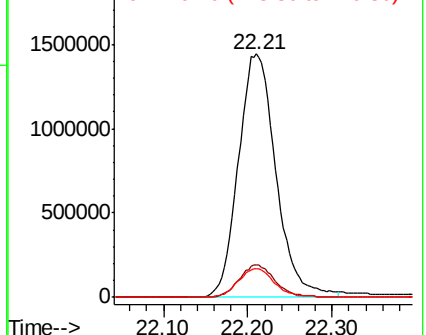


Abundance

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: 13.176 ppbv

RT: 24.99 min Scan# 6904

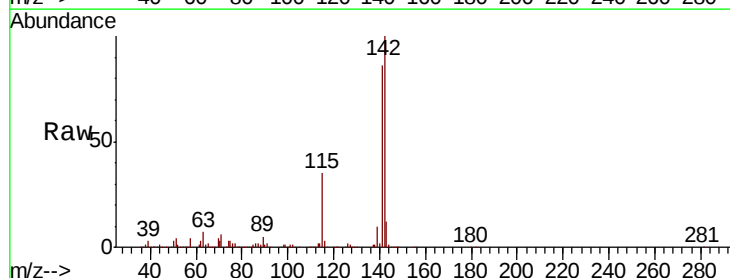
Delta R.T. -0.00 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Tgt Ion:142 Resp: 909486

Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.8	101.8
115	34.3	28.1	42.1

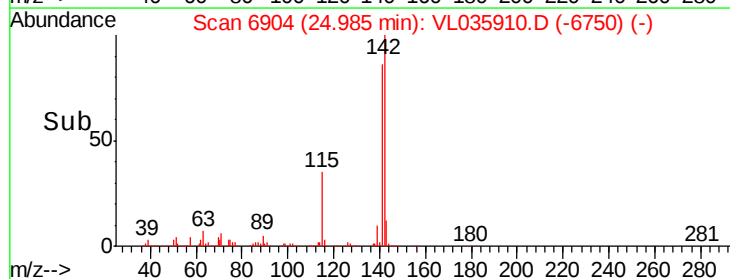
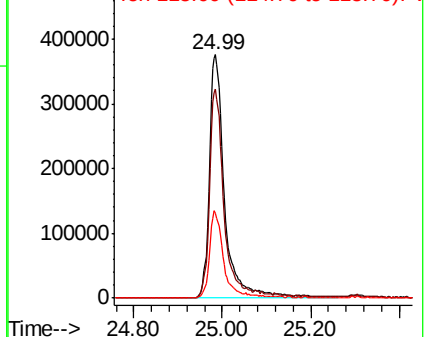


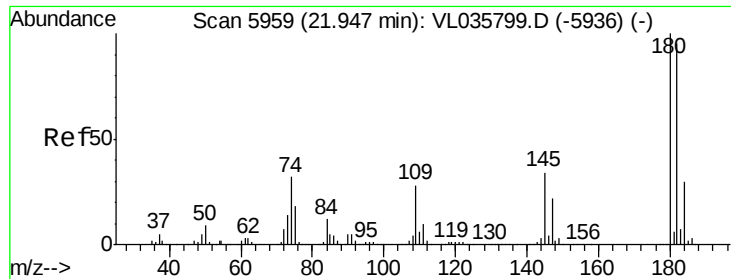
Abundance

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: 9.715 ppbv

RT: 21.94 min Scan# 5957

Delta R.T. -0.01 min

Lab File: VL035910.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABS01

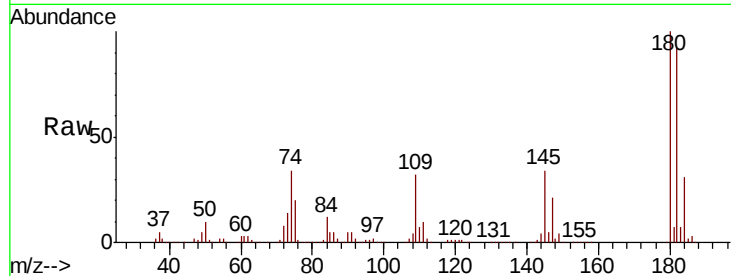
Tot Ion:180 Resp: 2299156

Ion Ratio Lower Upper

180 100

182 97.9 77.2 115.8

184 31.2 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

