

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035892.D
 Acq On : 10 Nov 2020 15:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 01:22:04 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	5.66	49	1193634	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4605015	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5510794	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3265849	8.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1798628	8.004	ppbv 99
3) Chlorodifluoromethane	2.98	51	1282913	8.975	ppbv 99
4) Chloromethane	3.13	50	650095	9.362	ppbv 100
5) Vinyl Chloride	3.24	62	794662	8.977	ppbv 100
6) Bromomethane	3.46	94	651468	9.151	ppbv 99
7) Chloroethane	3.55	64	292885	9.401	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2260724	8.790	ppbv 100
9) Propene	3.00	41	486797	9.305	ppbv 100
10) Heptane	8.12	43	1377452	9.532	ppbv 100
11) Trichlorofluoromethane	3.94	101	2707238	9.594	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1979302	9.421	ppbv 100
13) Ethanol	3.59	45	85386	7.523	ppbv 99
14) Bromoethene	3.73	108	836229	8.649	ppbv 98
15) Acetone	3.84	43	1103435	8.647	ppbv 98
16) 1,3-Butadiene	3.31	39	503418	9.163	ppbv 100
17) tert-Butyl alcohol	4.28	59	1480416	8.754	ppbv 99
18) 1,1-Dichloroethene	4.28	96	911273	9.447	ppbv 97
19) Isopropyl Alcohol	3.96	45	680455	8.677	ppbv 99
20) Methylene Chloride	4.33	84	740290	8.241	ppbv 100
21) Allyl Chloride	4.40	41	624564	9.050	ppbv 93
22) trans-1,2-Dichloroethene	4.88	96	917601	9.384	ppbv 99
23) Vinyl Acetate	5.07	43	1541892	8.620	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1555131	9.125	ppbv 99
25) Ethyl Acetate	5.67	43	2349959	9.348	ppbv 100
26) Hexane	5.68	57	1260302	9.090	ppbv 100
27) Carbon Disulfide	4.54	76	1936730	9.323	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2197608	8.827	ppbv 100
29) Chloroform	5.74	83	2490220	9.138	ppbv 98
30) Cyclohexane	7.12	84	1347098	8.921	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1344484	9.427	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2453353	8.628	ppbv 99
34) 2-Butanone	5.24	43	1498371	10.026	ppbv 99
35) Carbon Tetrachloride	7.01	117	2438899	9.912	ppbv 99
36) Benzene	6.89	78	3159844	9.230	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1570271	10.125	ppbv 99
38) Trichloroethene	7.83	130	1470664	8.795	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1099979	9.543	ppbv 99
40) 1,4-Dioxane	7.83	88	507014	9.281	ppbv 94
41) Tetrahydrofuran	6.04	42	884262	10.414	ppbv 99
42) Bromodichloromethane	7.79	83	2568440	9.814	ppbv 98
43) Methyl Methacrylate	8.01	69	1279557	9.799	ppbv 98

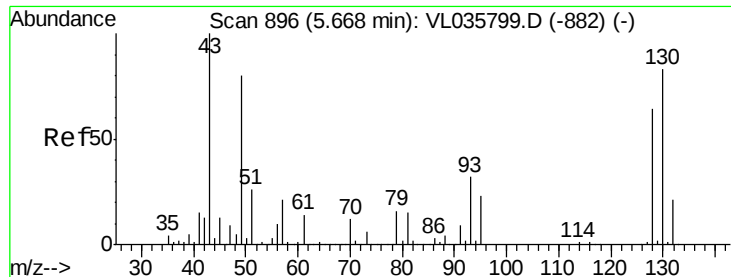
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035892.D
 Acq On : 10 Nov 2020 15:49
 Operator : SY/AP
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Quant Time: Nov 11 01:22:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS 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)
44) 2,2,4-Trimethylpentane	7.86	57	4313322	9.521	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1382277	9.985	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1721571	9.820	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1458064	9.284	ppbv	99
48) Dibromochloromethane	10.30	129	2406210	10.029	ppbv	99
49) Bromoform	13.04	173	2043994	10.096	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2318286	10.144	ppbv	100
51) 2-Hexanone	10.13	43	1874712	10.212	ppbv	100
52) Tetrachloroethene	11.22	164	1379824	8.507	ppbv	99
53) Toluene	9.80	91	3832165	9.277	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2219008	9.290	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1860391	7.522	ppbv	97
57) Chlorobenzene	12.15	112	3092261	7.057	ppbv	98
58) Ethyl Benzene	12.71	91	4910999	7.317	ppbv	100
59) m/p-Xylene	12.99	91	4208435	7.411	ppbv #	31
60) o-Xylene	13.69	91	4032670	7.300	ppbv	100
61) Styrene	13.53	104	3052529	7.542	ppbv	100
62) Isopropylbenzene	14.67	105	6107236	7.034	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2840071	6.635	ppbv	100
64) n-propylbenzene	15.56	120	1786004	7.117	ppbv	99
65) tert-Butylbenzene	16.74	119	5404183	6.838	ppbv	100
66) Benzyl Chloride	16.99	91	1789804	6.852	ppbv	100
67) sec-Butylbenzene	17.29	105	7302688	6.857	ppbv	100
69) p-Isopropyltoluene	17.65	119	6041529	6.874	ppbv	100
70) n-Butylbenzene	18.55	91	5847540	6.909	ppbv	100
71) 2-Chlorotoluene	15.45	91	4546620	7.159	ppbv	99
72) 4-Ethyltoluene	15.84	105	4774790	7.127	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4394783	7.168	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4543183	6.915	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2838962	6.787	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2772000	6.869	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2753370	6.752	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1323537	6.956	ppbv	100
79) Naphthalene	22.20	128	3143064	6.863	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	560371	7.508	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1716645	6.709	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

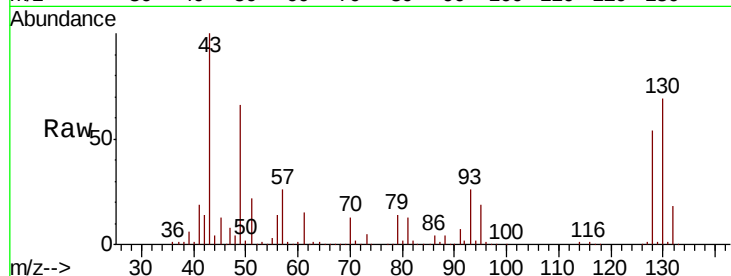
Tot Ion: 49 Resp: 1193634

Ion Ratio Lower Upper

49 100

128 83.2 41.5 124.6

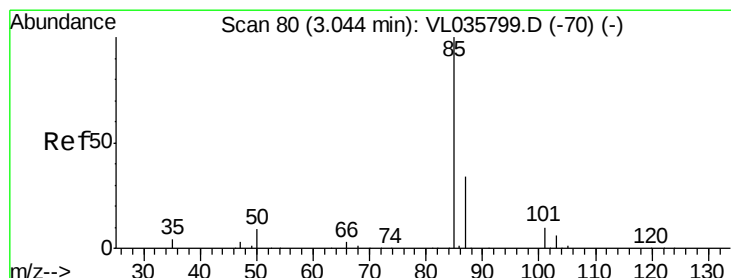
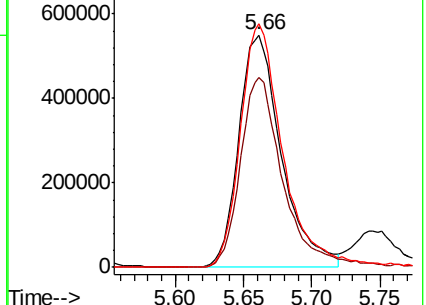
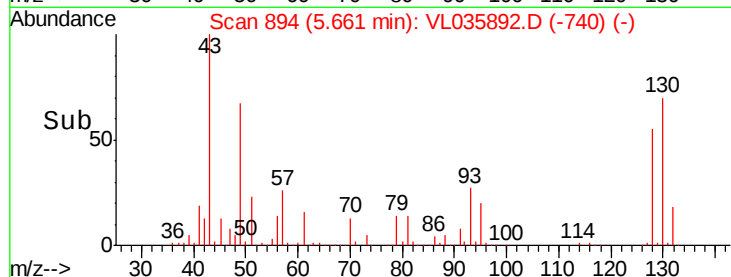
130 106.8 53.7 161.1



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: 8.004 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL035892.D

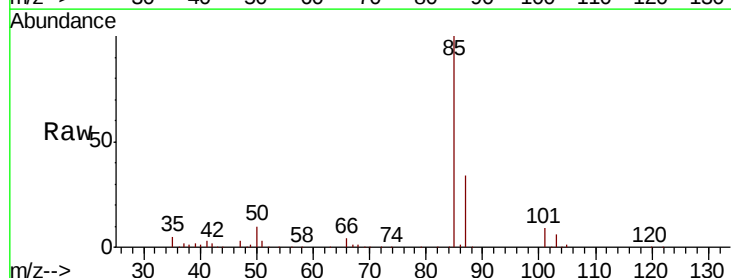
Acq: 10 Nov 2020 15:49

Tgt Ion: 85 Resp: 1798628

Ion Ratio Lower Upper

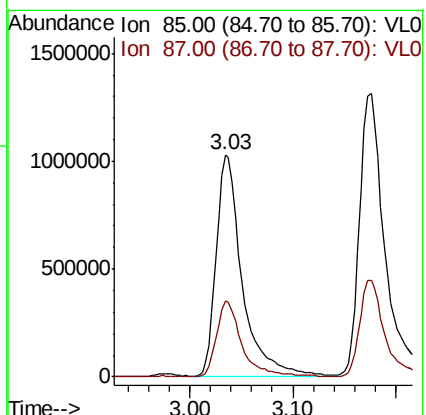
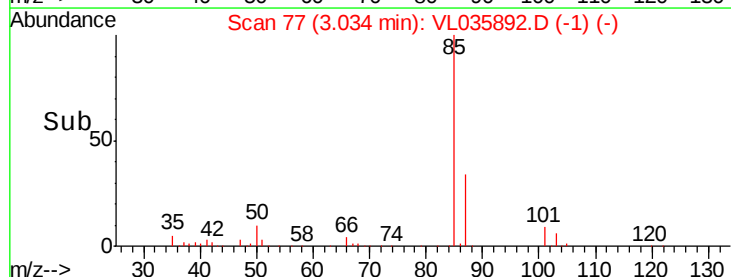
85 100

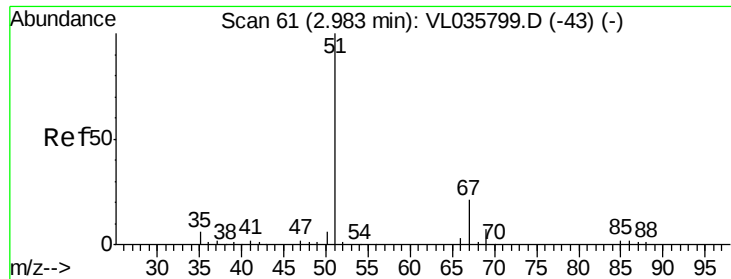
87 34.3 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.975 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

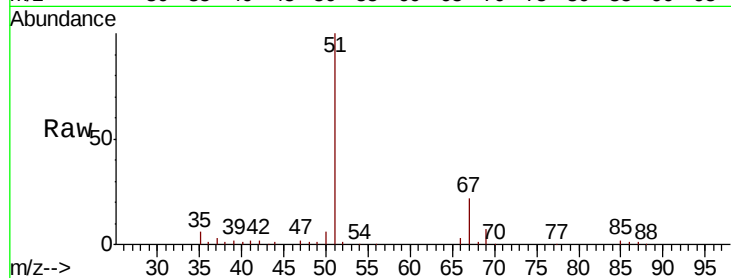
ClientSampleId :

Tot Ion: 51 Resp: 1282913

Ion Ratio Lower Upper

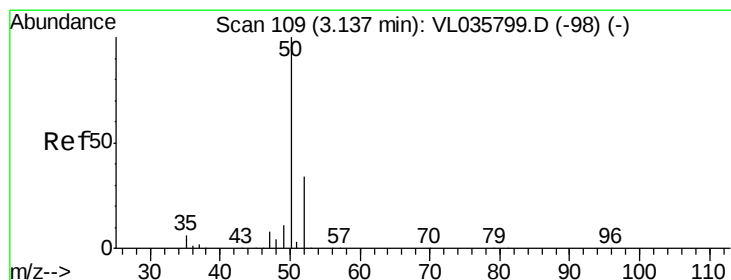
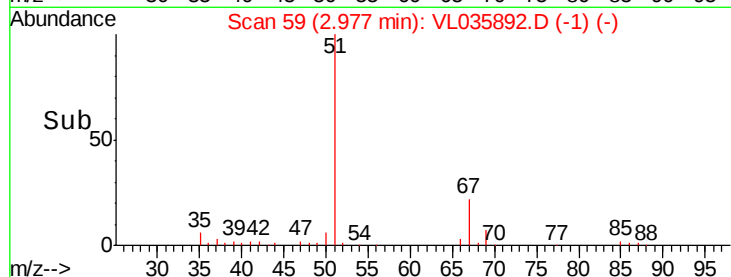
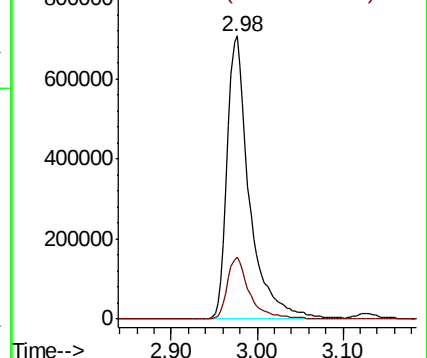
51 100

67 21.9 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.362 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035892.D

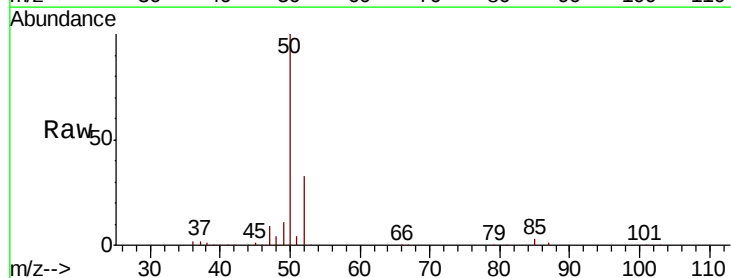
Acq: 10 Nov 2020 15:49

Tgt Ion: 50 Resp: 650095

Ion Ratio Lower Upper

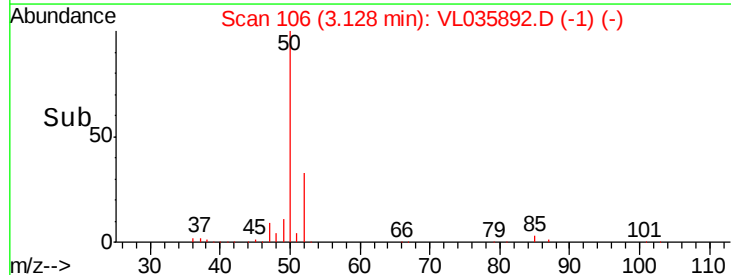
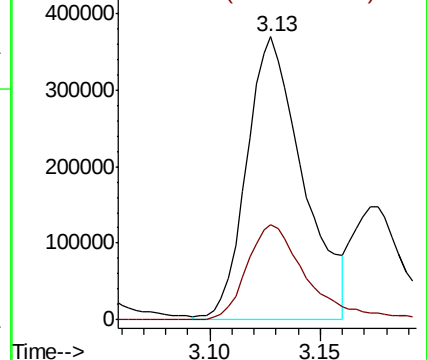
50 100

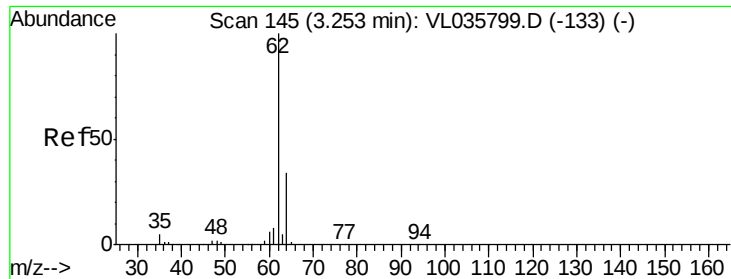
52 33.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.977 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

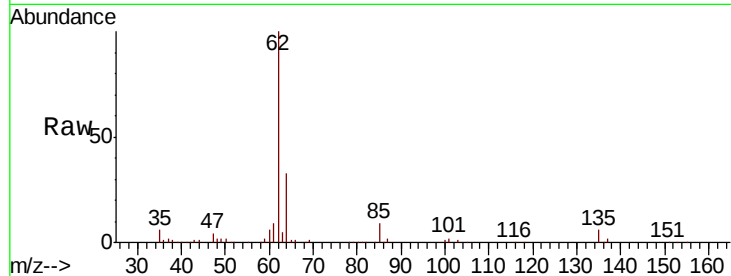
ClientSampleId :

Tot Ion: 62 Resp: 794662

Ion Ratio Lower Upper

62 100

64 33.4 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

400000

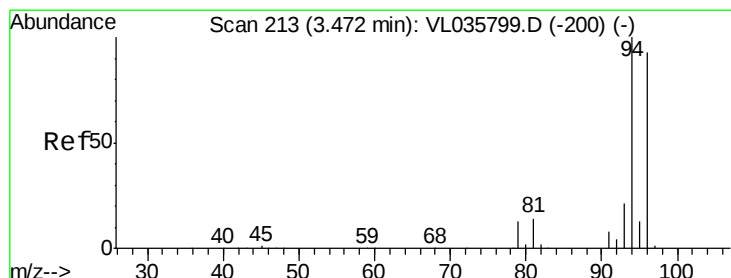
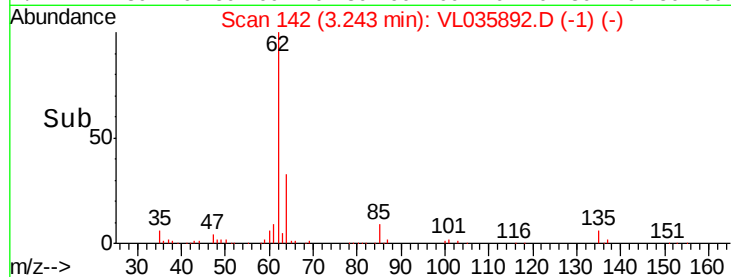
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.151 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035892.D

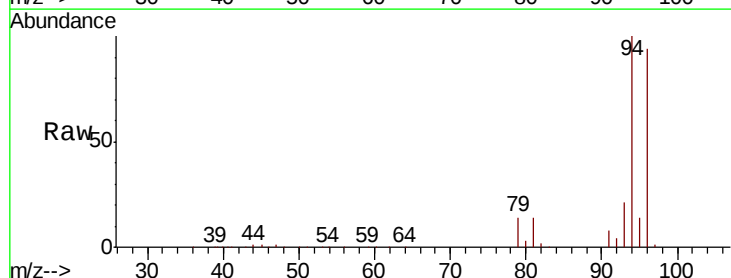
Acq: 10 Nov 2020 15:49

Tgt Ion: 94 Resp: 651468

Ion Ratio Lower Upper

94 100

96 94.1 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

400000

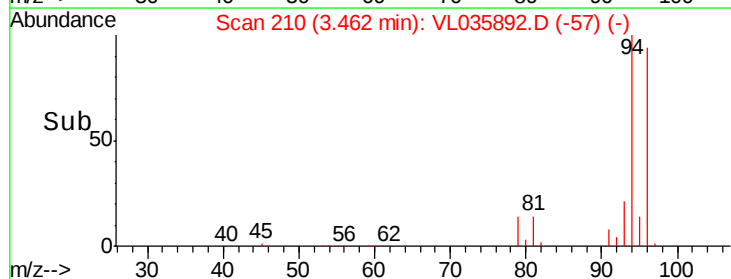
300000

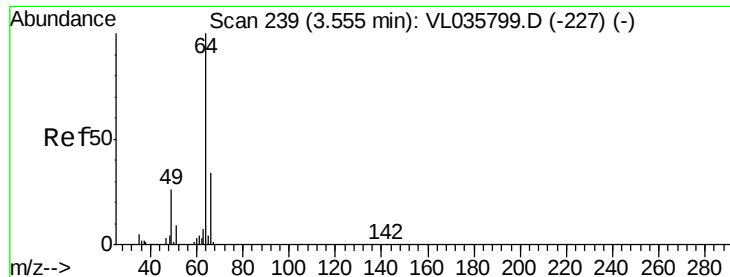
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.401 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

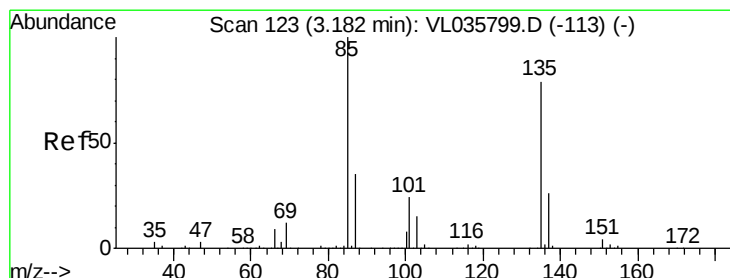
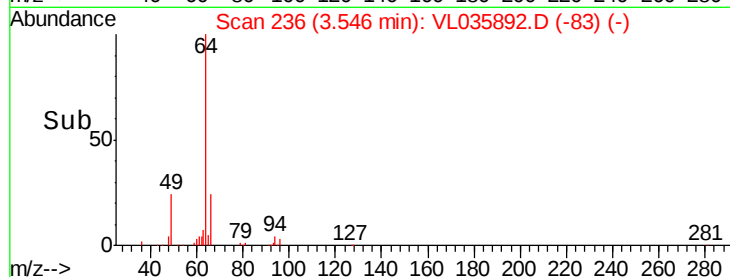
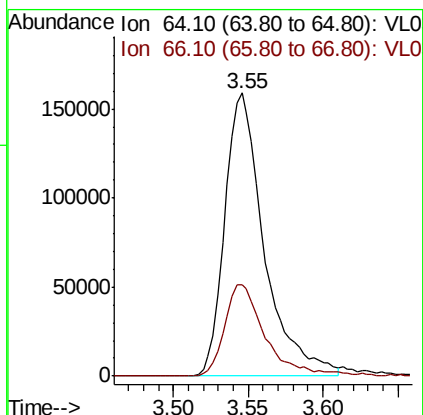
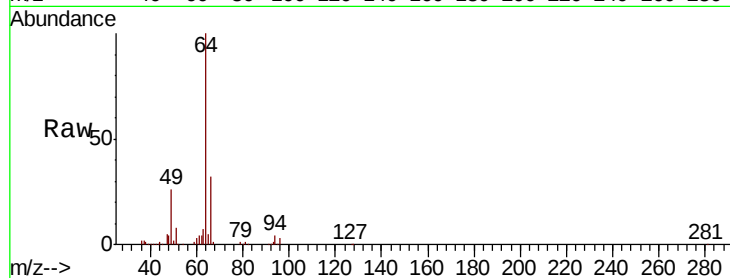
ClientSampleId :

Tot Ion: 64 Resp: 292885

Ion Ratio Lower Upper

64 100

66 32.3 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 8.790 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035892.D

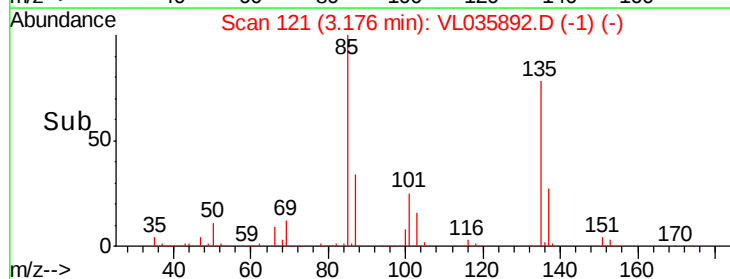
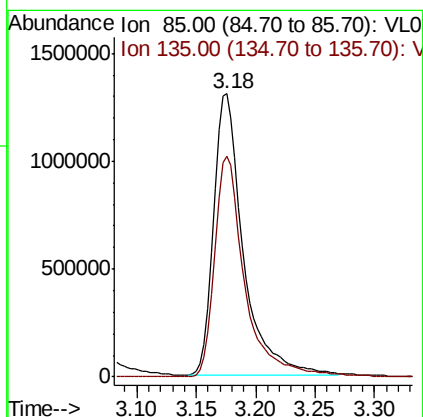
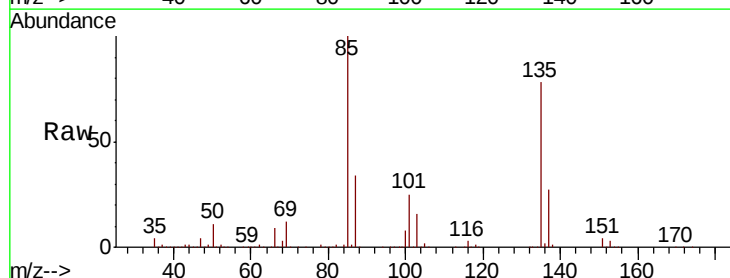
Acq: 10 Nov 2020 15:49

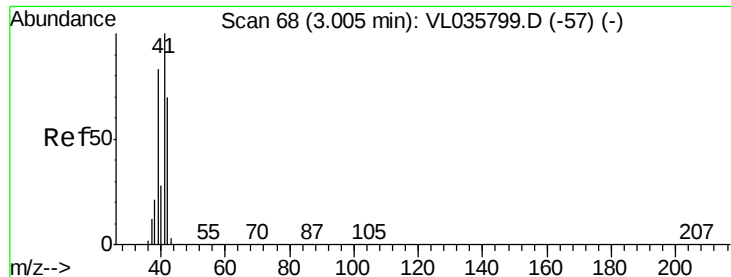
Tgt Ion: 85 Resp: 2260724

Ion Ratio Lower Upper

85 100

135 80.4 64.6 96.8





#9

Propene

Concen: 9.305 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

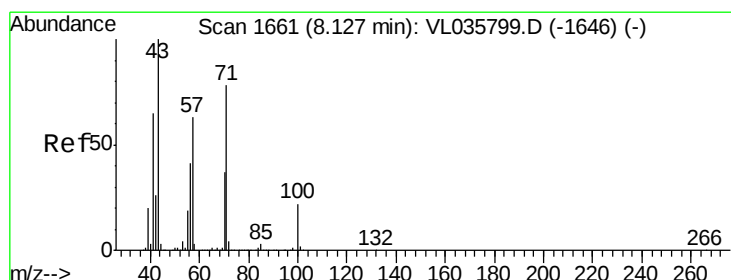
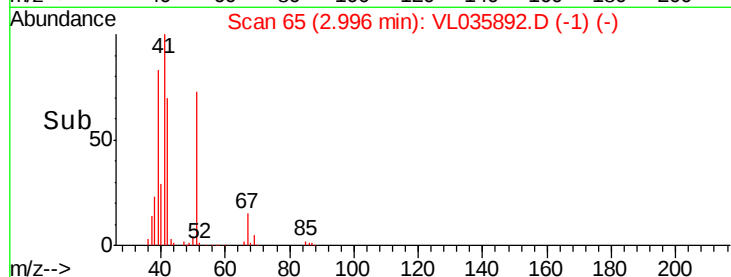
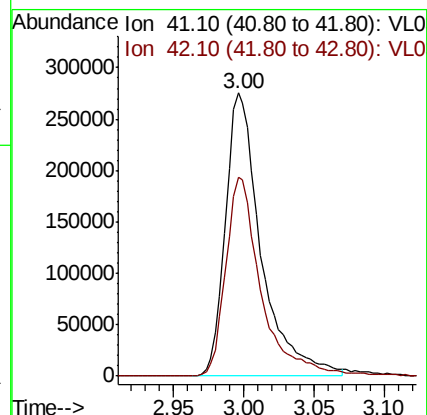
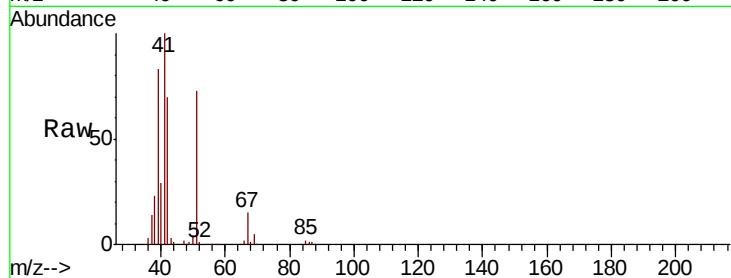
ClientSampleId :

Tot Ion: 41 Resp: 486797

Ion Ratio Lower Upper

41 100

42 70.2 56.2 84.4



#10

Heptane

Concen: 9.532 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035892.D

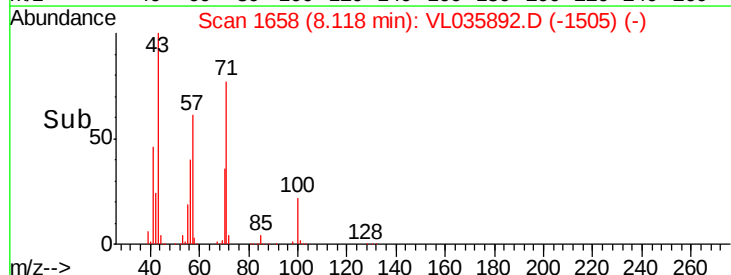
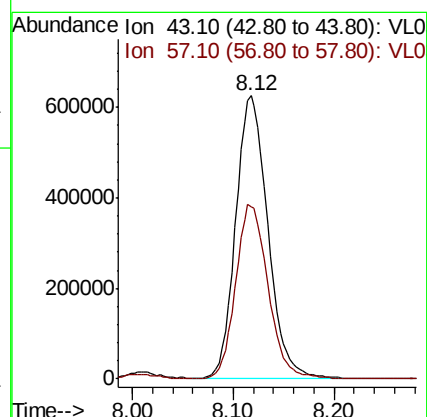
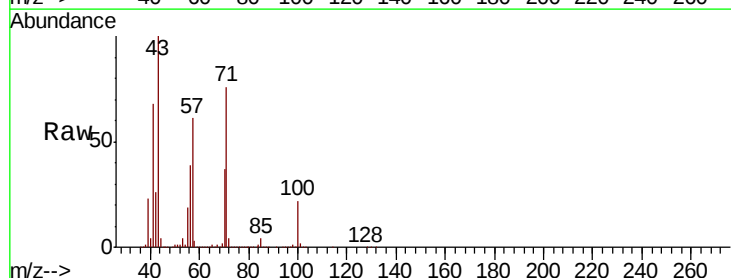
Acq: 10 Nov 2020 15:49

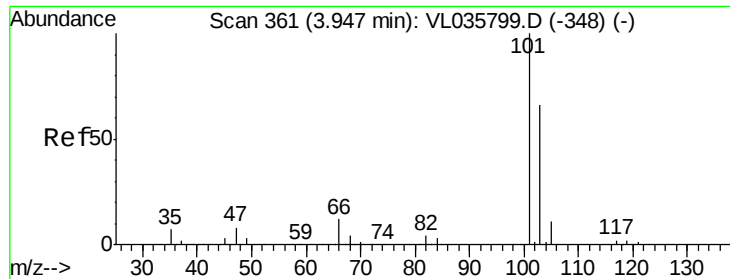
Tgt Ion: 43 Resp: 1377452

Ion Ratio Lower Upper

43 100

57 62.7 50.0 75.0

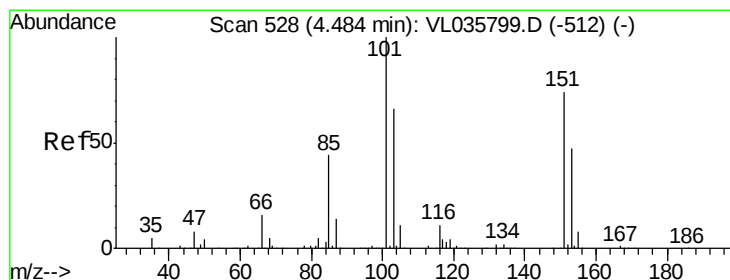
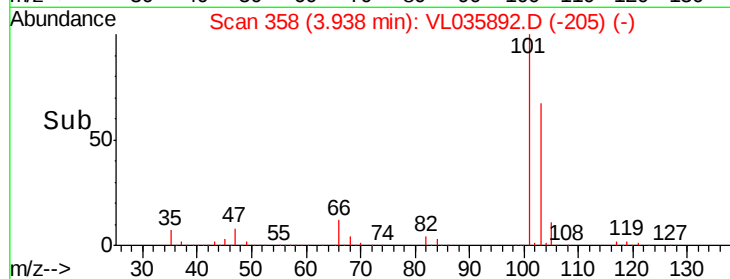
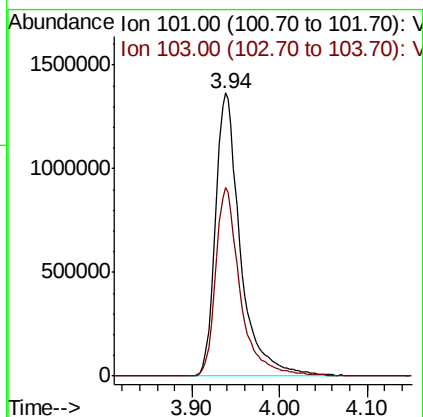
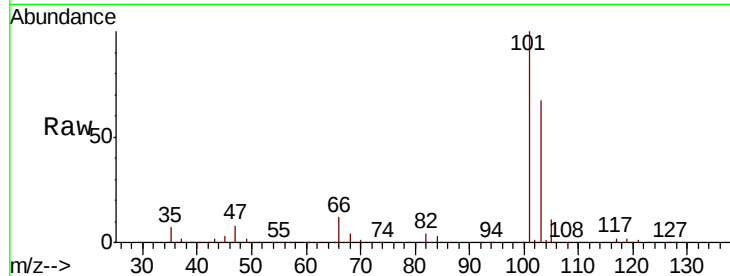




#11
 Trichlorofluoromethane
 Concen: 9.594 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

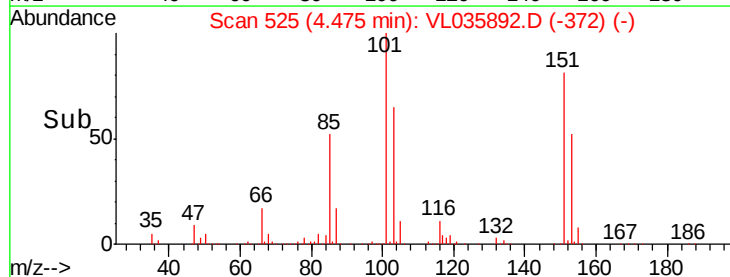
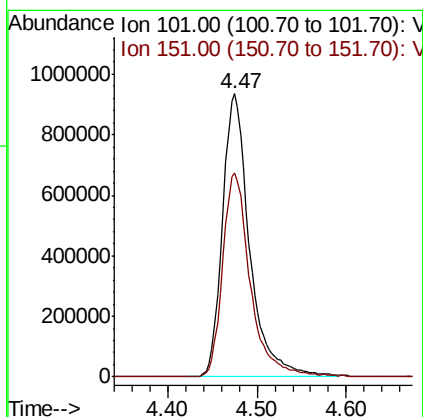
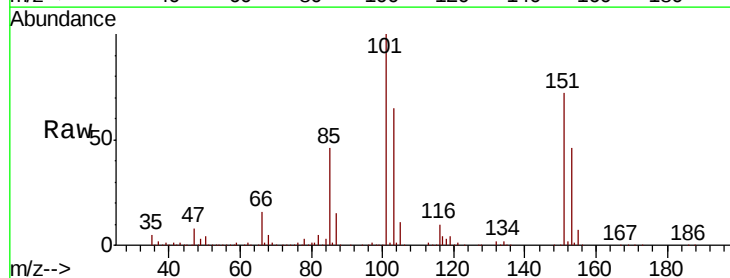
Instrument :
 MSVOA_L
 ClientSampleId :

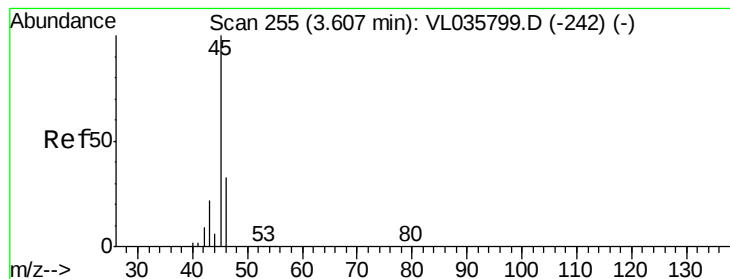
Tot Ion:101 Resp: 2707238
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.421 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion:101 Resp: 1979302
 Ion Ratio Lower Upper
 101 100
 151 73.6 58.9 88.3





#13

Ethanol

Concen: 7.523 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

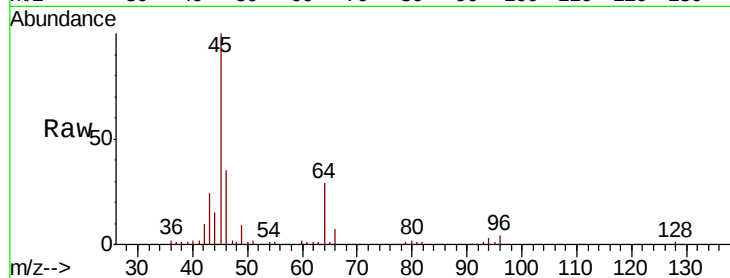
ClientSampleId :

Tot Ion: 45 Resp: 85386

Ion Ratio Lower Upper

45 100

46 39.4 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

40000

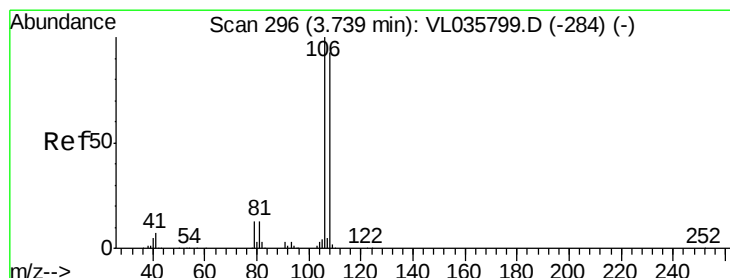
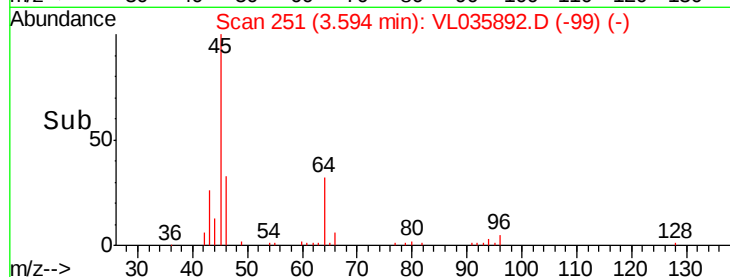
30000

20000

10000

0

Time-->



#14

Bromoethene

Concen: 8.649 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

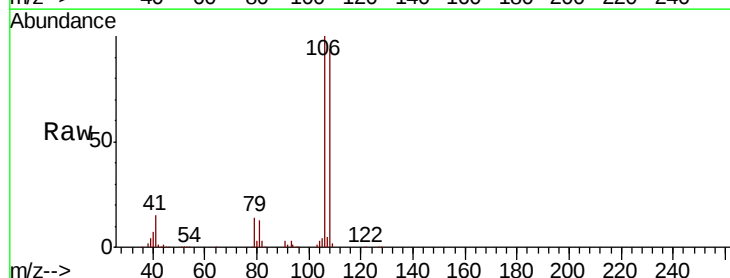
Tgt Ion: 108 Resp: 836229

Ion Ratio Lower Upper

108 100

106 109.1 85.3 127.9

79 15.6 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

600000

500000

400000

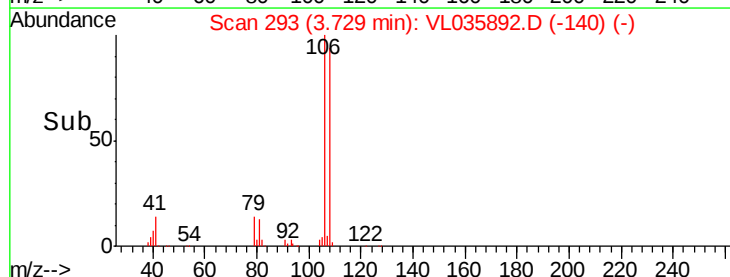
300000

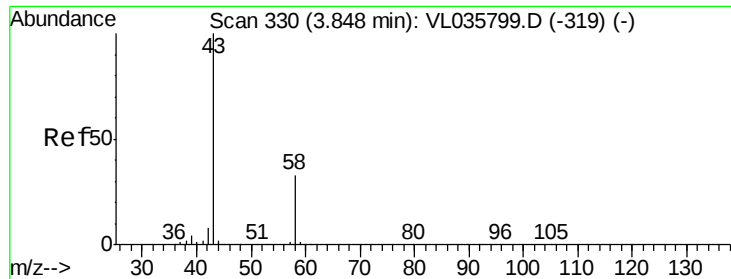
200000

100000

0

Time-->





#15

Acetone

Concen: 8.647 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

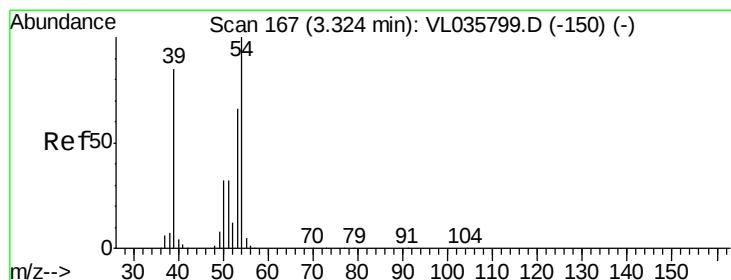
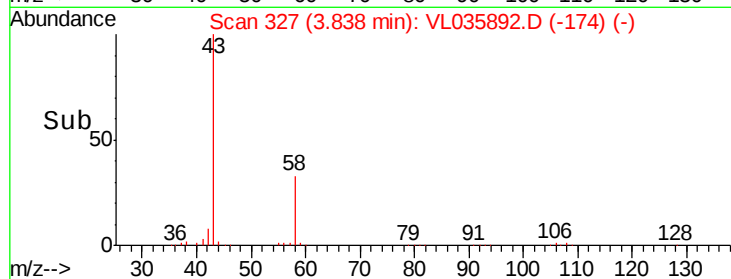
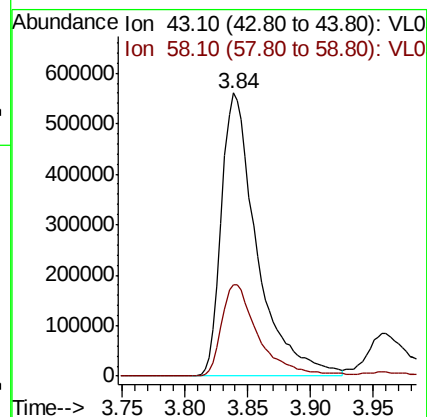
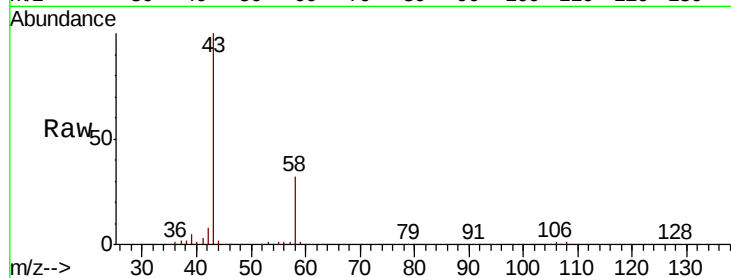
ClientSampleId :

Tot Ion: 43 Resp: 1103435

Ion Ratio Lower Upper

43 100

58 33.4 27.5 41.3



#16

1,3-Butadiene

Concen: 9.163 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL035892.D

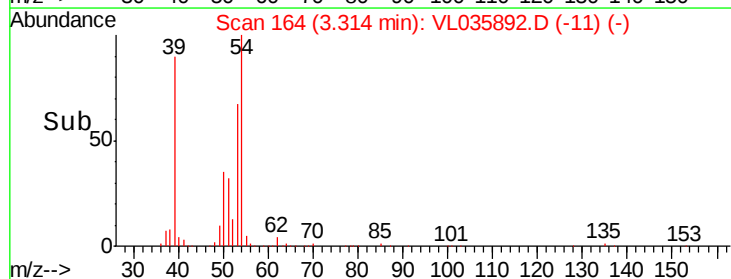
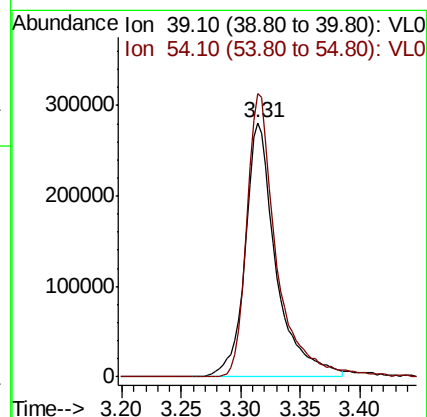
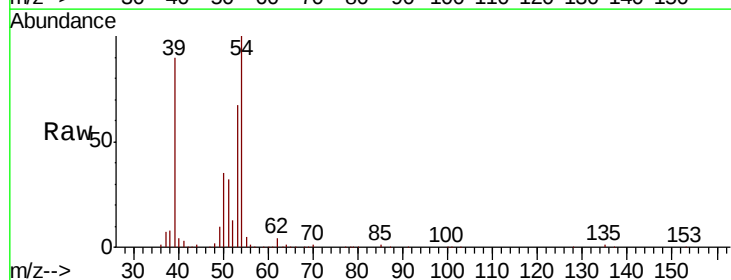
Acq: 10 Nov 2020 15:49

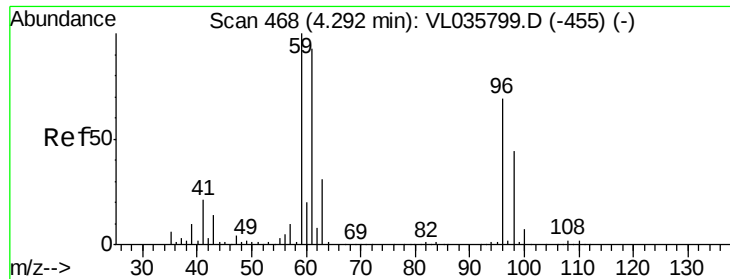
Tgt Ion: 39 Resp: 503418

Ion Ratio Lower Upper

39 100

54 109.0 87.1 130.7



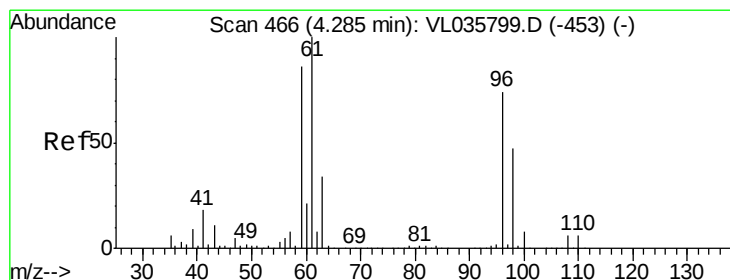
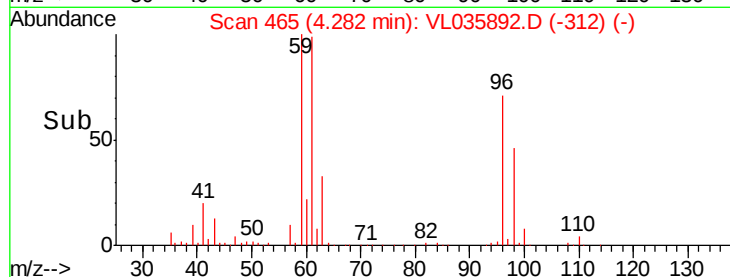
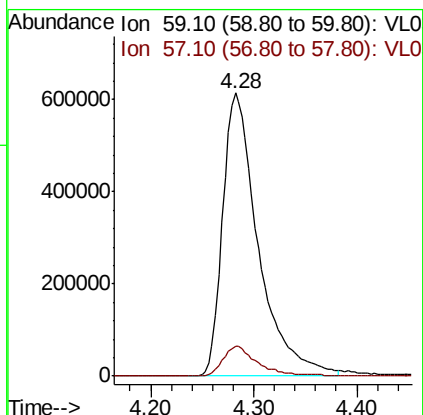
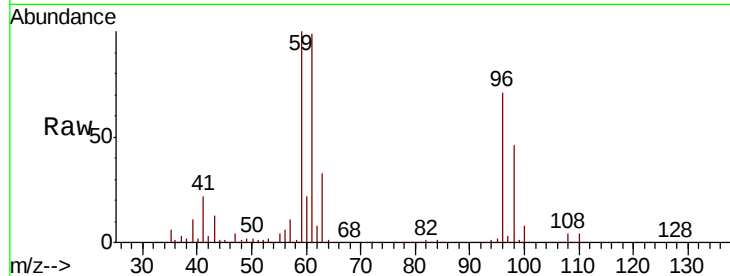


#17

tert-Butyl alcohol
 Concen: 8.754 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Instrument :
 MSVOA_L
 ClientSampleId :

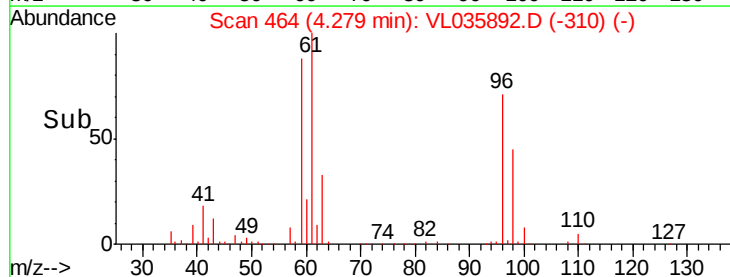
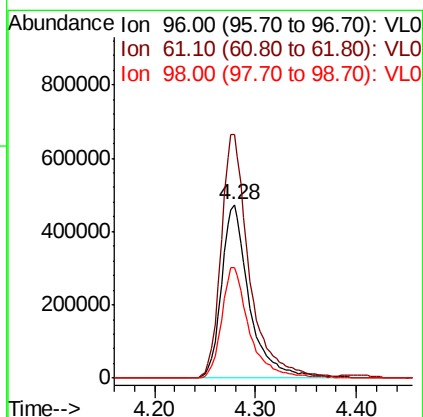
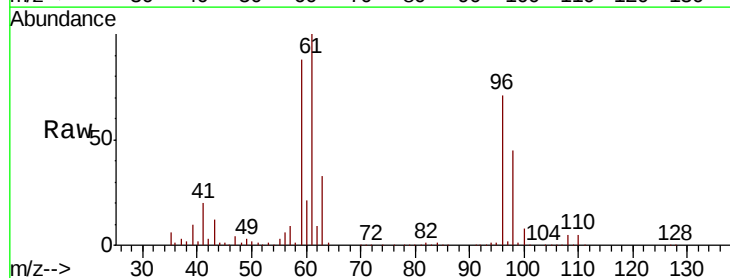
Tot Ion: 59 Resp: 1480416
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

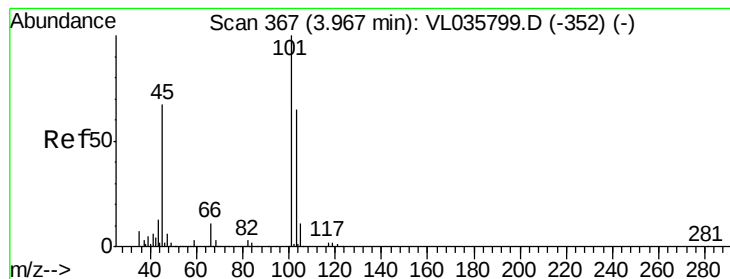


#18

1,1-Dichloroethene
 Concen: 9.447 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 96 Resp: 911273
 Ion Ratio Lower Upper
 96 100
 61 140.2 108.5 162.7
 98 63.8 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.677 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

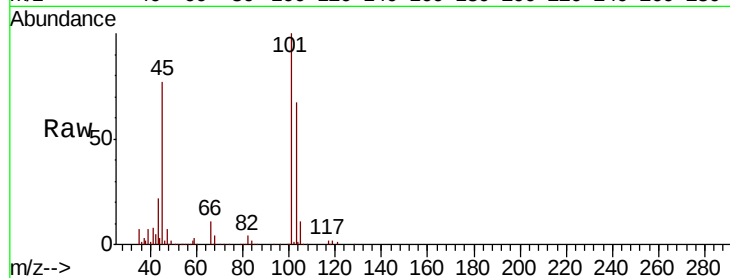
ClientSampleId :

Tot Ion: 45 Resp: 680455

Ion Ratio Lower Upper

45 100

58 3.6 2.6 3.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

300000

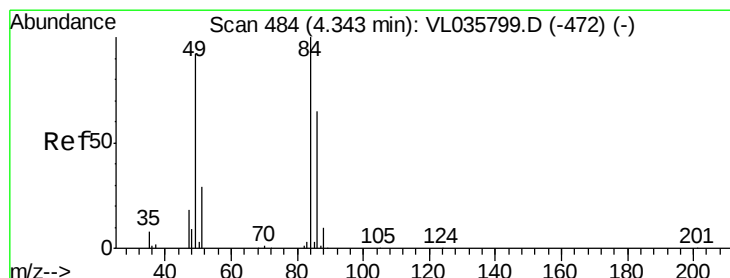
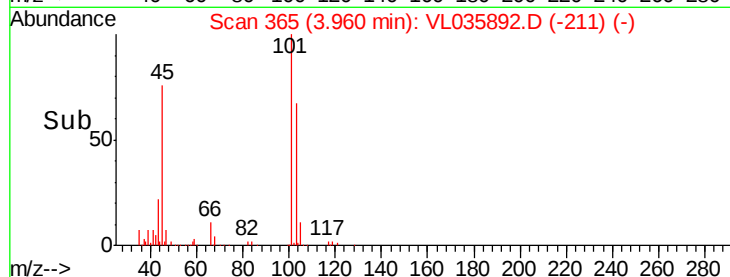
200000

100000

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 8.241 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Tgt Ion: 84 Resp: 740290

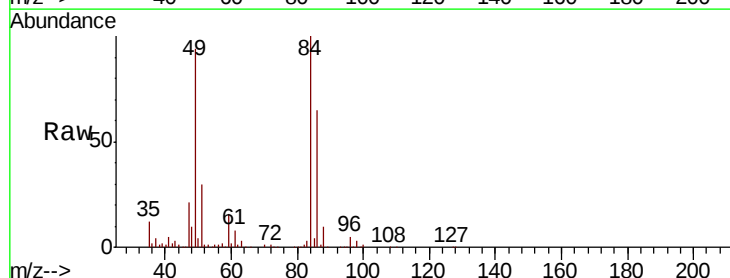
Ion Ratio Lower Upper

84 100

49 92.2 73.8 110.8

51 28.3 23.0 34.4

86 64.8 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

4.33

600000

500000

400000

300000

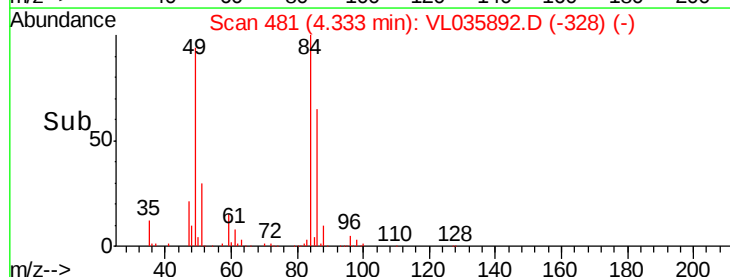
200000

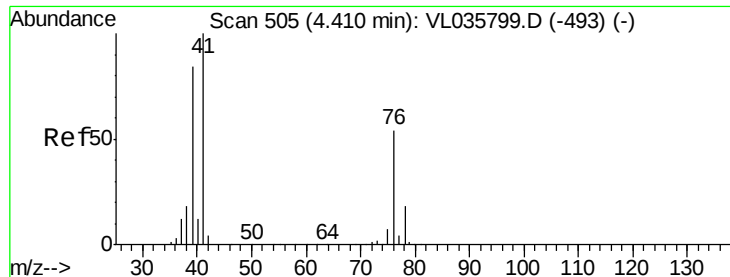
100000

0

Time-->

4.25 4.30 4.35 4.40 4.45

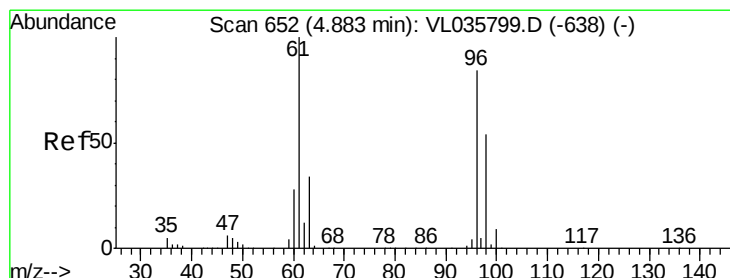
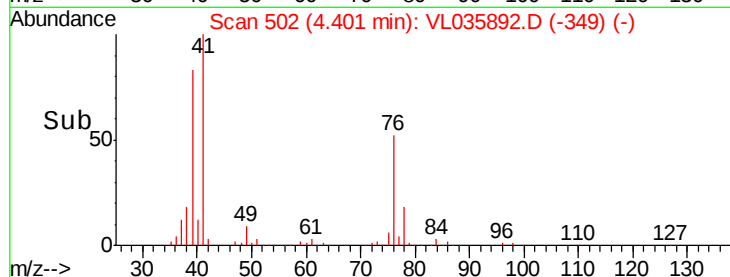
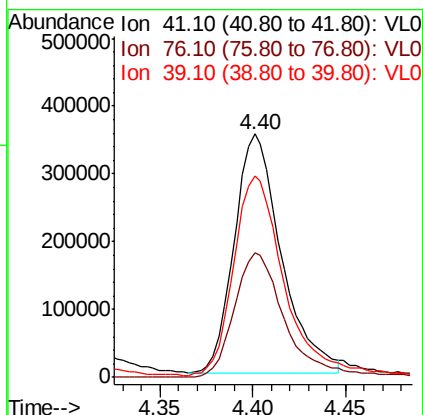
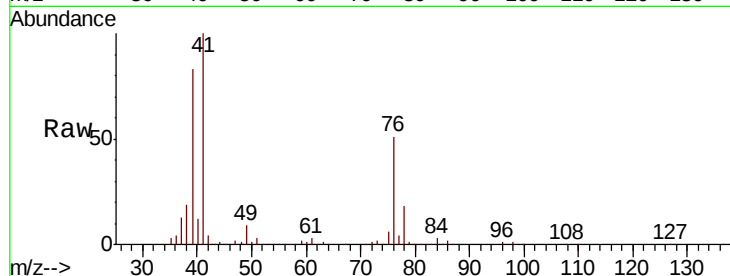




#21
Allvl Chloride
Concen: 9.050 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

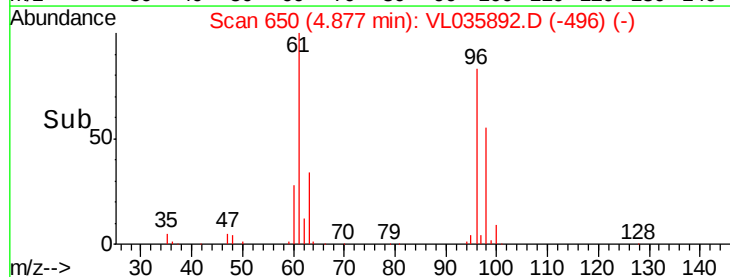
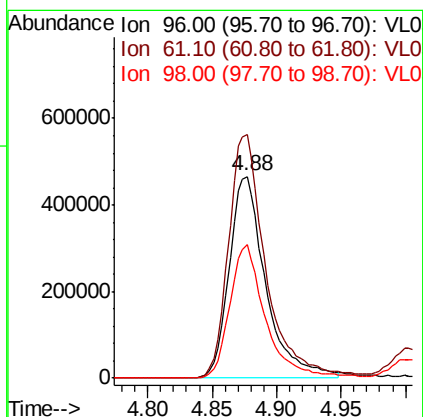
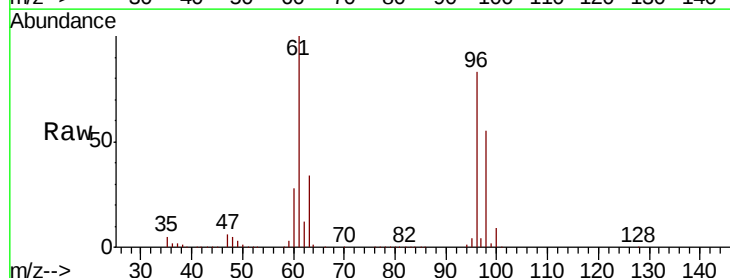
Instrument :
MSVOA_L
ClientSampleId :

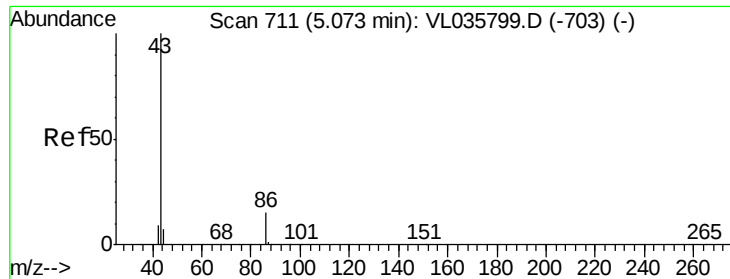
Tot Ion: 41 Resp: 624564
Ion Ratio Lower Upper
41 100
76 56.5 42.6 63.8
39 91.1 67.0 100.4



#22
trans-1,2-Dichloroethene
Concen: 9.384 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 96 Resp: 917601
Ion Ratio Lower Upper
96 100
61 120.5 95.4 143.0
98 66.2 51.8 77.6



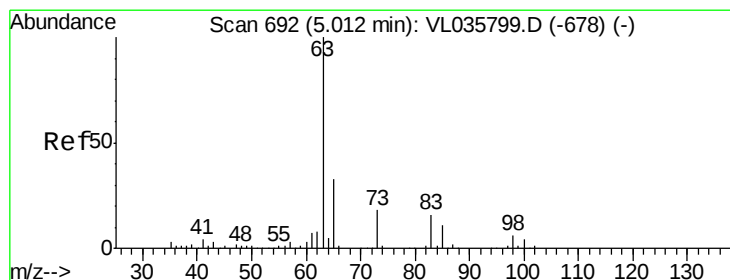
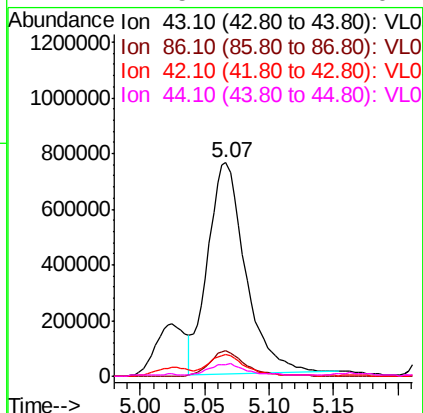
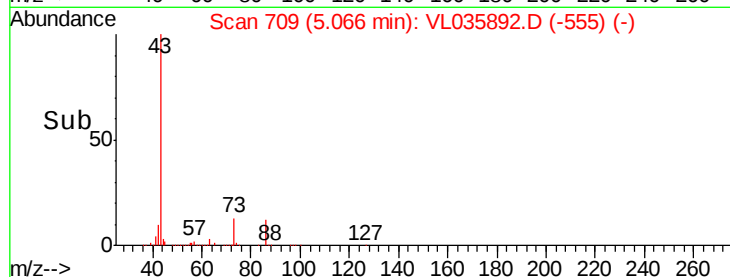
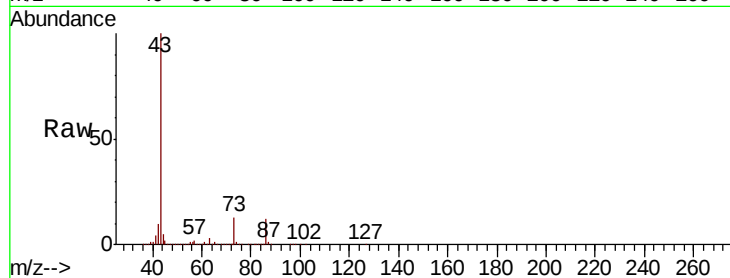


#23
 Vinyl Acetate
 Concen: 8.620 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 43 Resp: 1541892

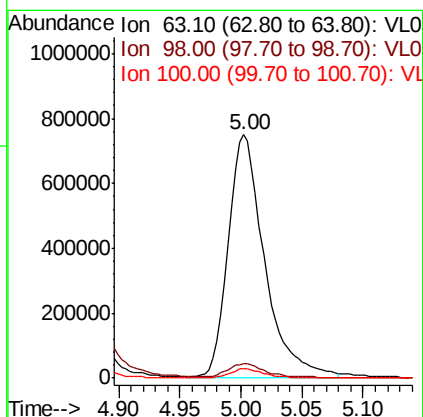
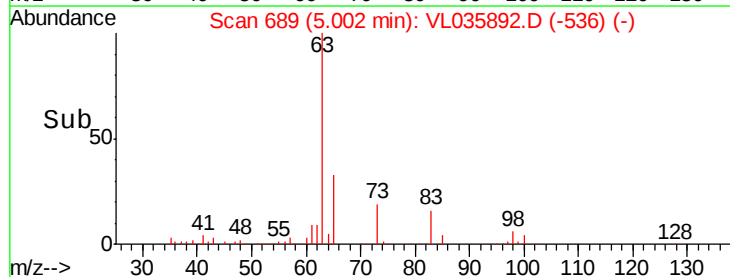
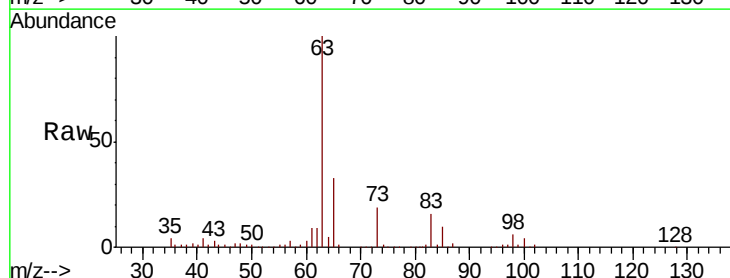
Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.6
42	10.1	8.1	12.1
44	4.5	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 9.125 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 63 Resp: 1555131

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.0	9.2
100	4.0	1.8	5.4



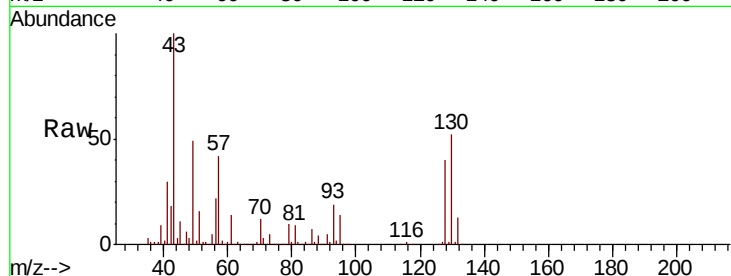


#25
Ethyl Acetate
Concen: 9.348 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 2349959

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.5	12.7
61	13.3	10.7	16.1
70	10.5	8.6	12.8



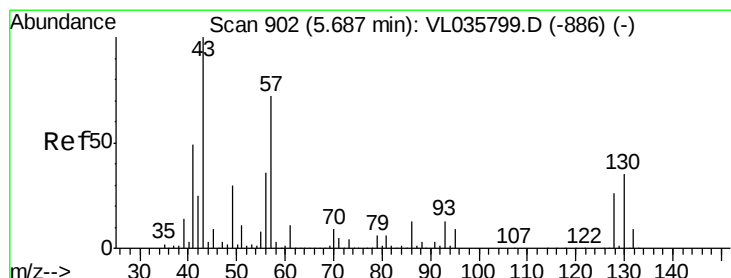
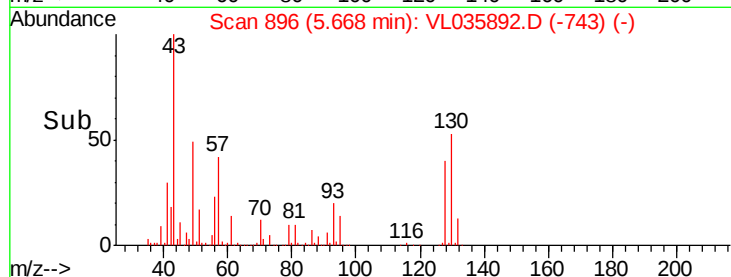
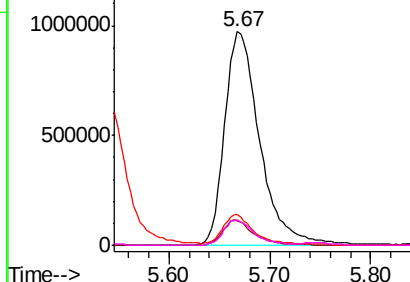
Abundance

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

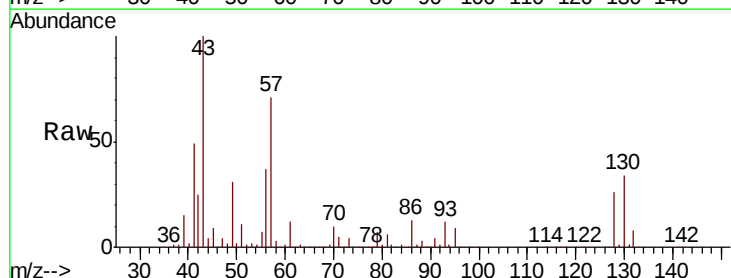
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.090 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 57 Resp: 1260302

Ion	Ratio	Lower	Upper
57	100		
41	74.4	58.9	88.3
43	188.1	150.2	225.2
56	53.3	42.4	63.6



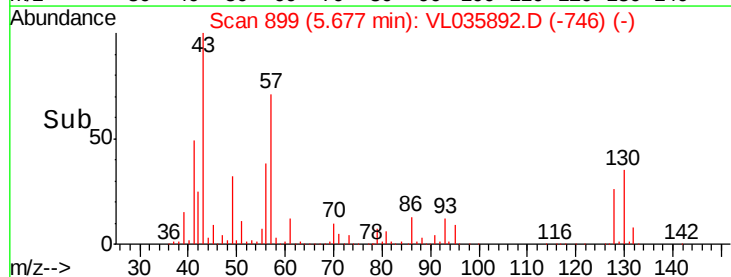
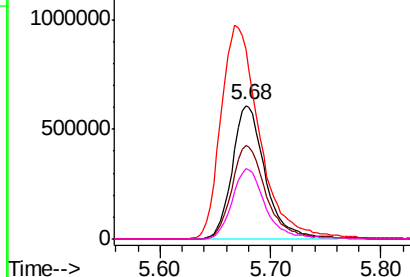
Abundance

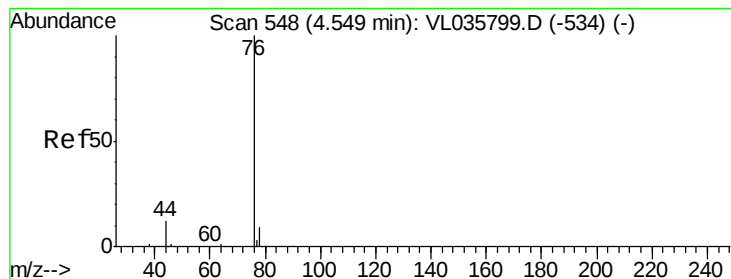
Ion 57.10 (56.80 to 57.80): VL0

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: 9.323 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

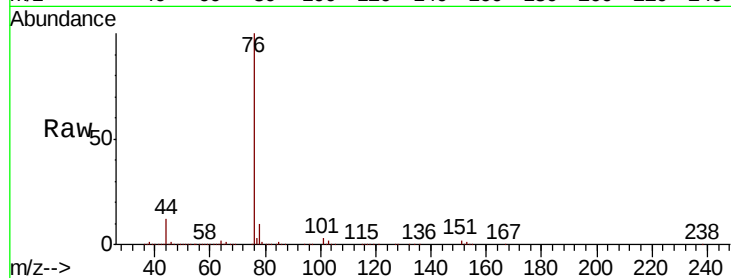
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1936730

Ion	Ratio	Lower	Upper
76	100		
44	12.7	9.9	14.9
78	10.1	8.1	12.1

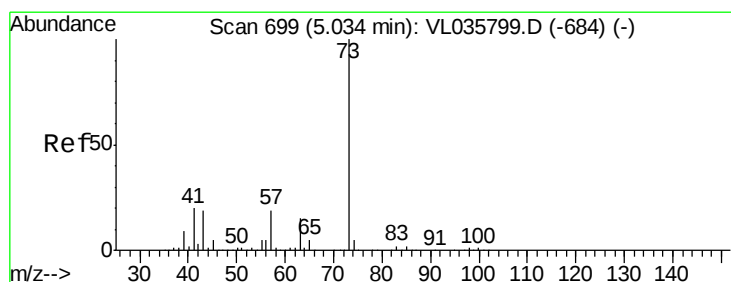
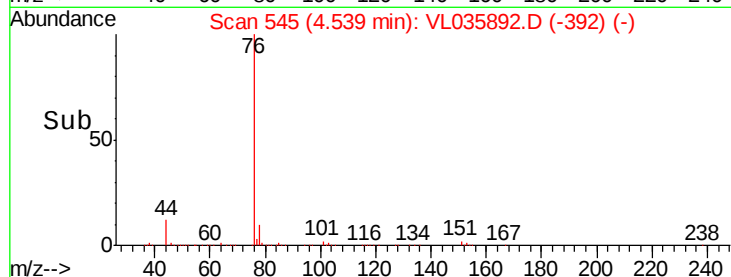
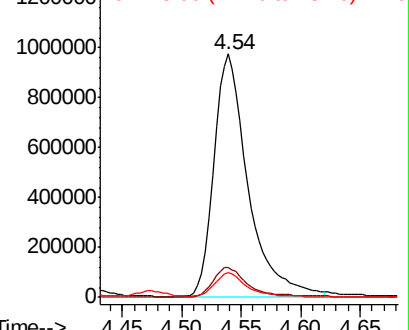


Abundance

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: 8.827 ppbv

RT: 5.02 min Scan# 696

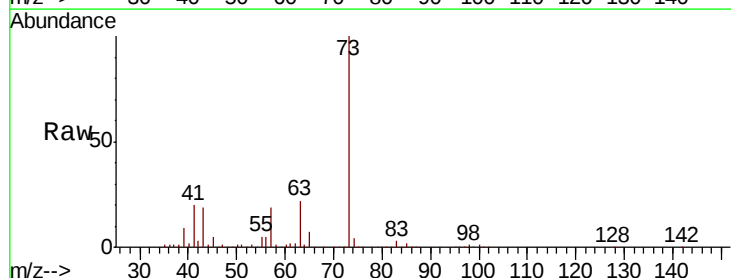
Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Tgt Ion: 73 Resp: 2197608

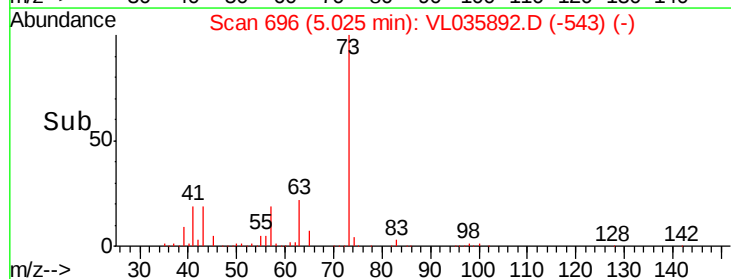
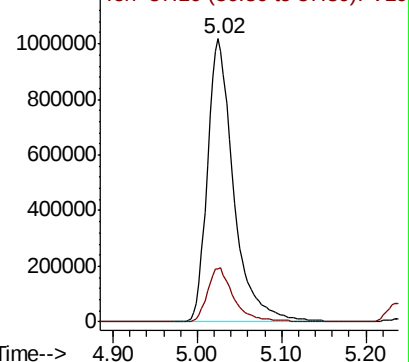
Ion	Ratio	Lower	Upper
73	100		
57	19.2	15.4	23.2

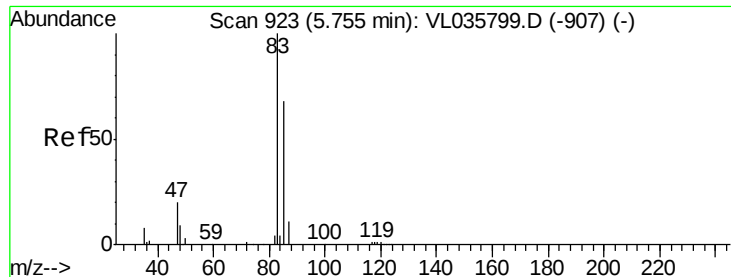


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

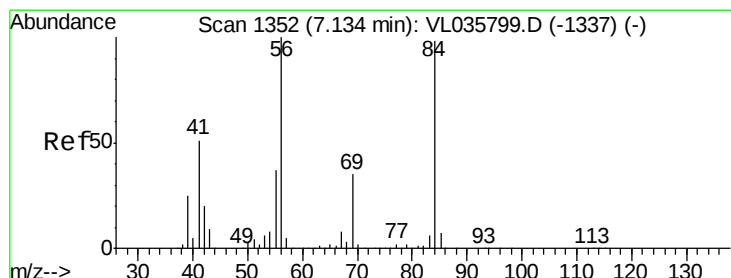
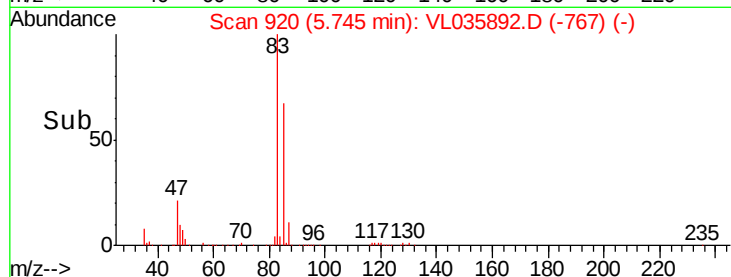
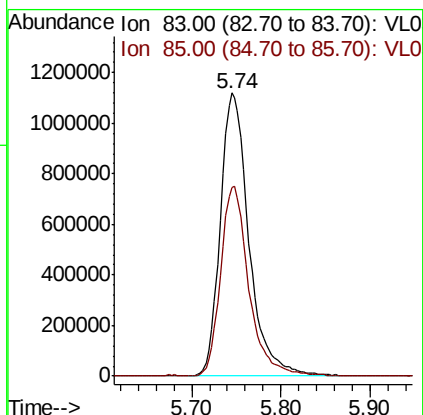
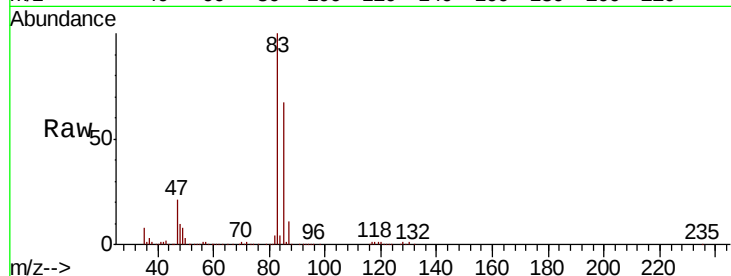




#29
Chloroform
Concen: 9.138 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

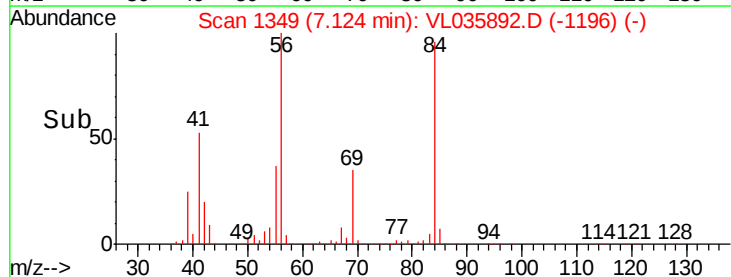
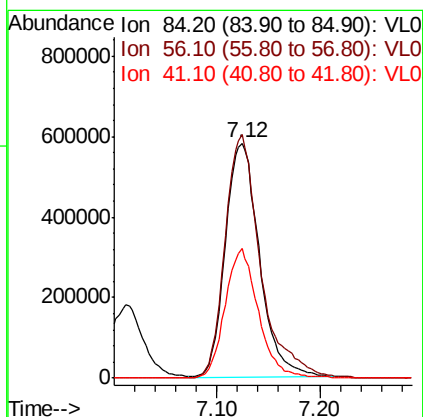
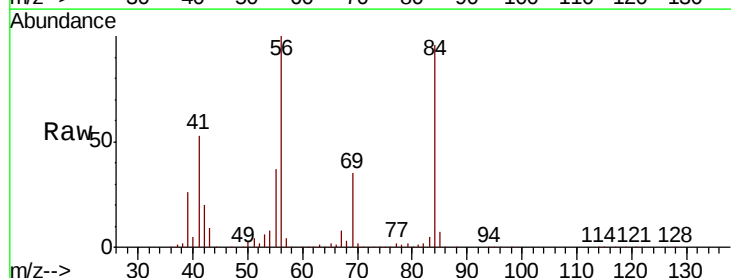
Instrument :
MSVOA_L
ClientSampleId :

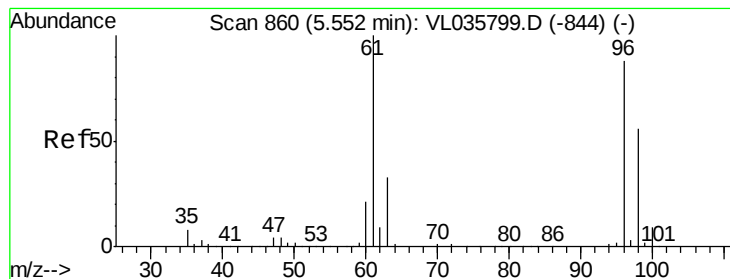
Tot Ion: 83 Resp: 2490220
Ion Ratio Lower Upper
83 100
85 66.7 54.6 81.8



#30
Cyclohexane
Concen: 8.921 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 84 Resp: 1347098
Ion Ratio Lower Upper
84 100
56 108.3 86.4 129.6
41 54.1 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.427 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

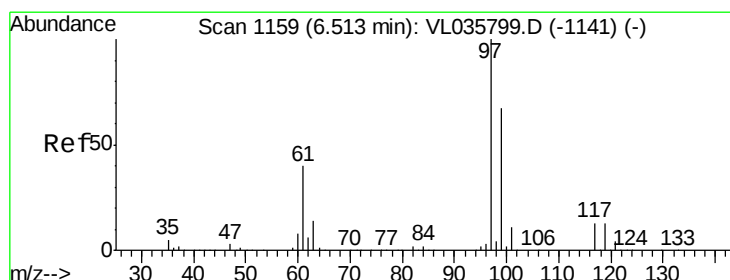
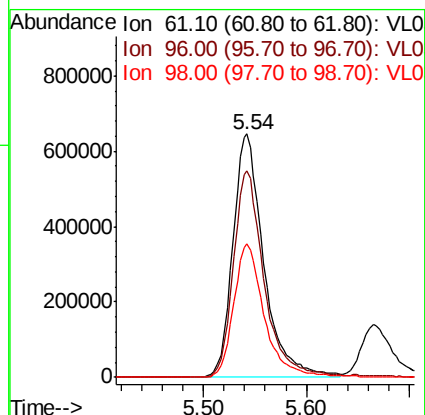
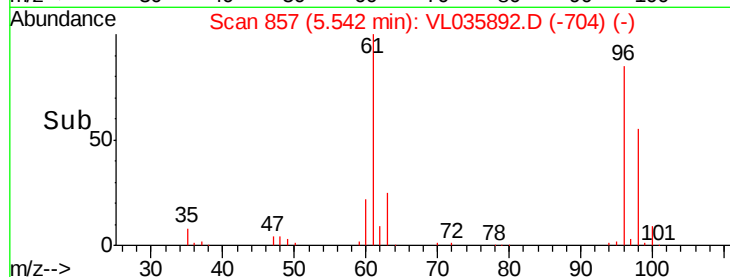
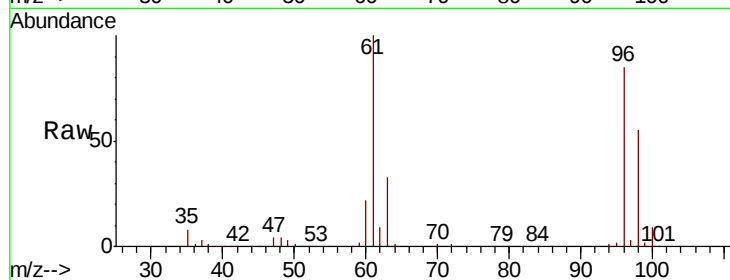
Tot Ion: 61 Resp: 1344484

Ion Ratio Lower Upper

61 100

96 85.0 70.3 105.5

98 55.0 45.0 67.6



#32

1,1,1-Trichloroethane

Concen: 8.628 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

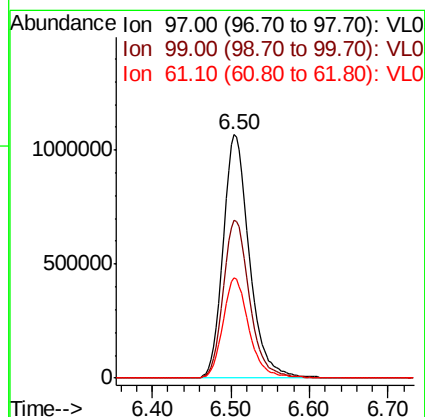
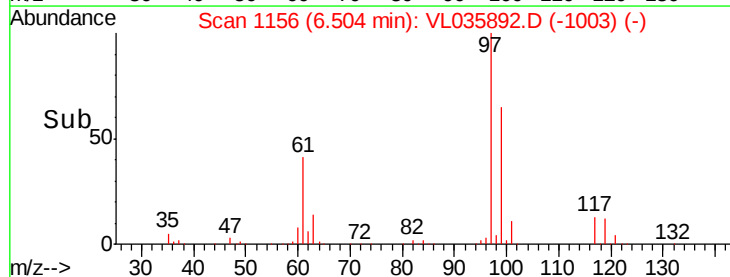
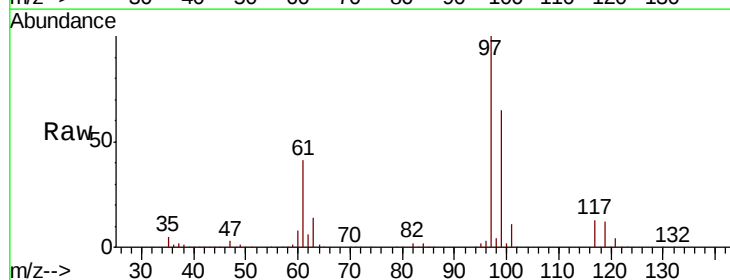
Tgt Ion: 97 Resp: 2453353

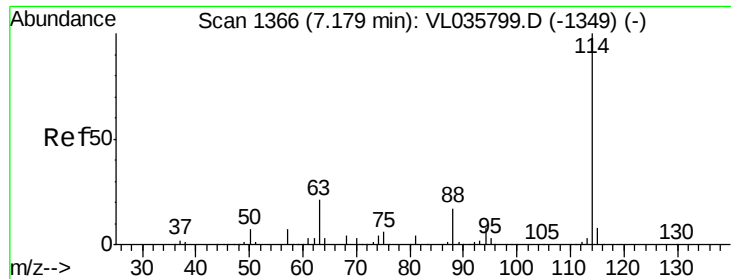
Ion Ratio Lower Upper

97 100

99 65.3 52.3 78.5

61 41.1 32.0 48.0

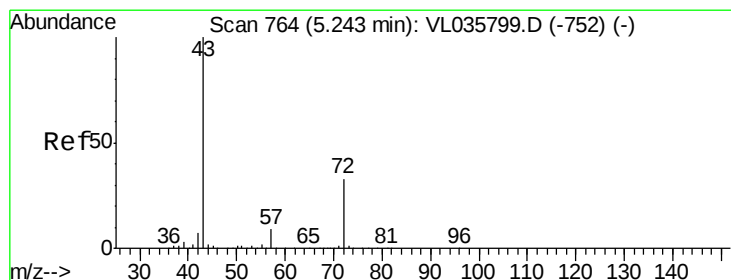
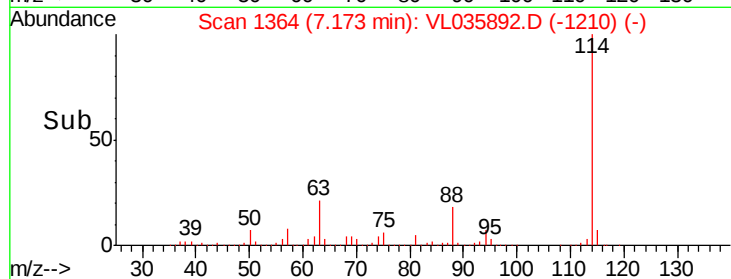
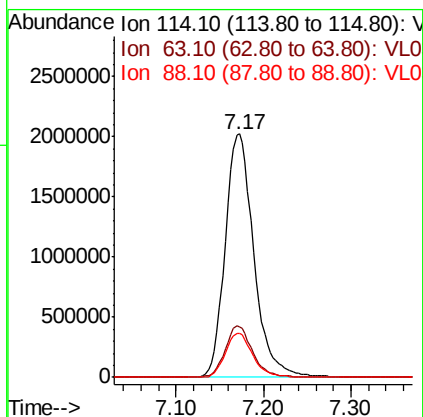
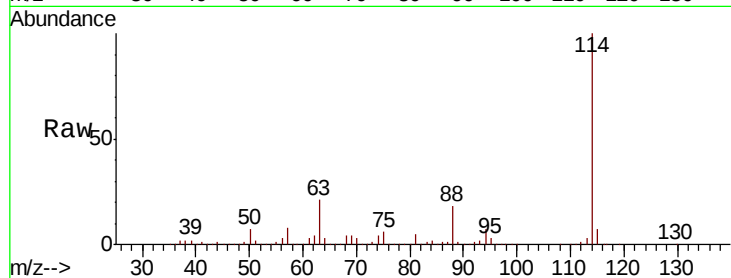




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

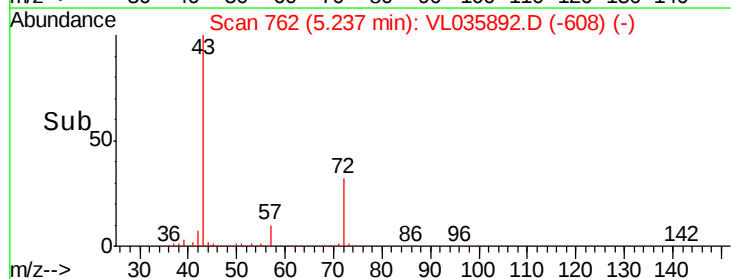
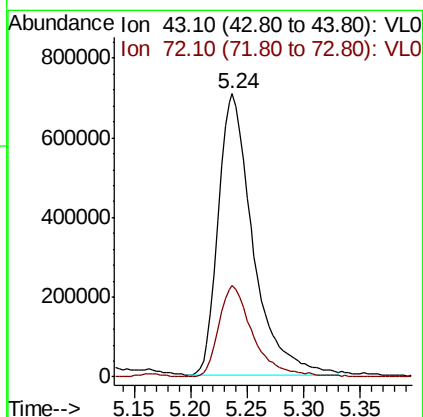
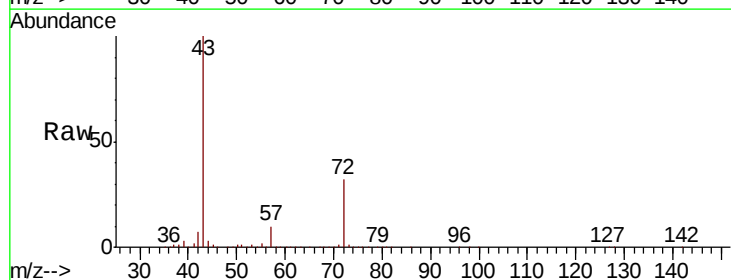
Instrument :
 MSVOA_L
 ClientSampleId :

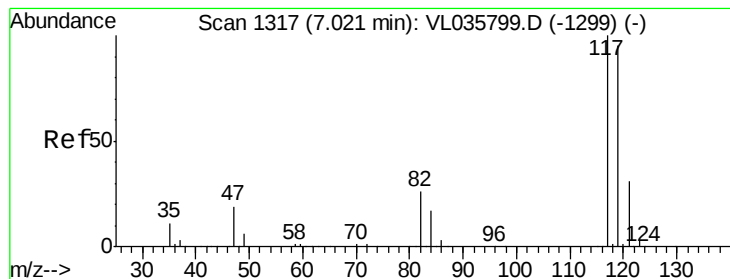
Tot Ion:114 Resp: 4605015
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 17.5 13.7 20.5



#34
 2-Butanone
 Concen: 10.026 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 43 Resp: 1498371
 Ion Ratio Lower Upper
 43 100
 72 32.5 26.5 39.7





#35

Carbon Tetrachloride

Concen: 9.912 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampled :

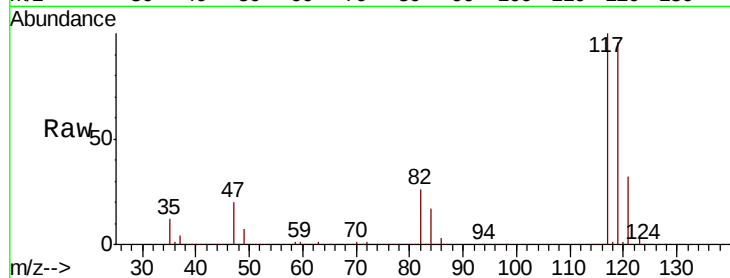
Tot Ion:117 Resp: 2438899

Ion Ratio Lower Upper

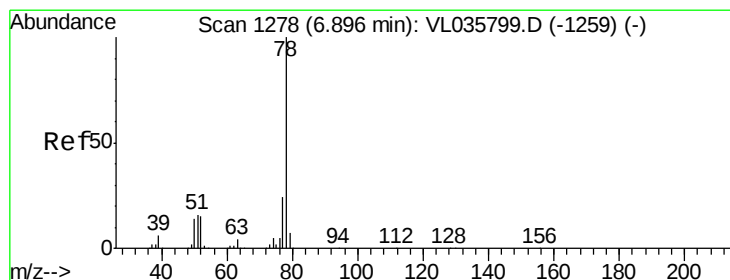
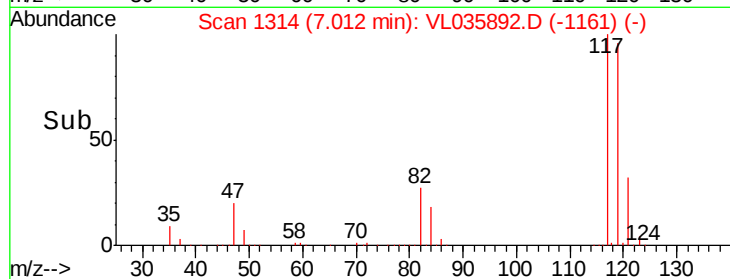
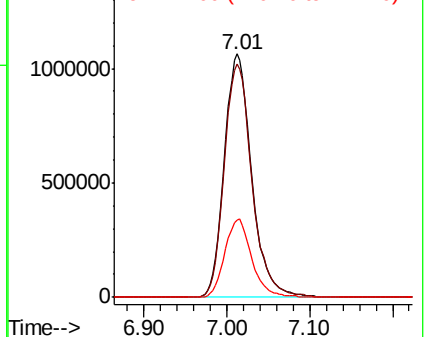
117 100

119 96.0 75.6 113.4

121 31.9 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: 9.230 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

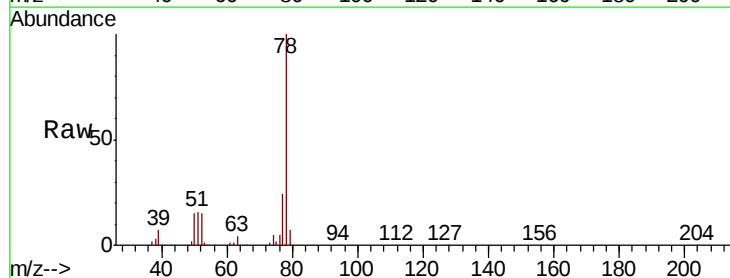
Tgt Ion: 78 Resp: 3159844

Ion Ratio Lower Upper

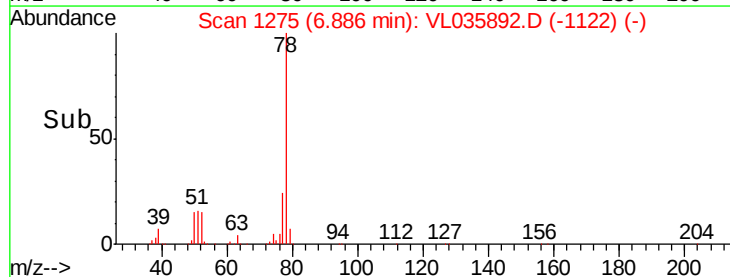
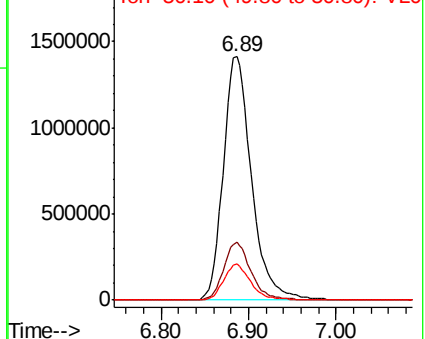
78 100

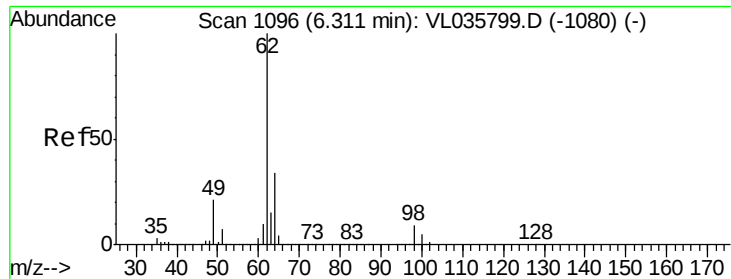
77 23.8 19.3 28.9

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

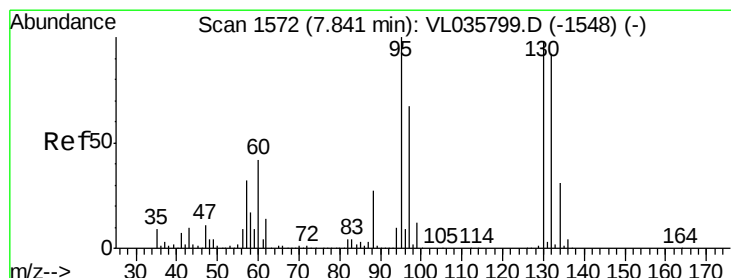
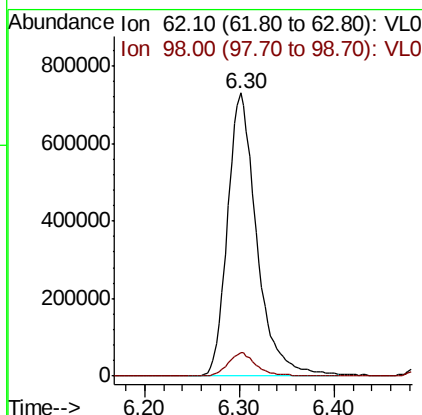
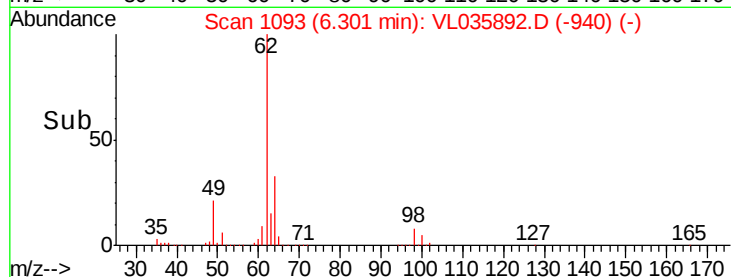
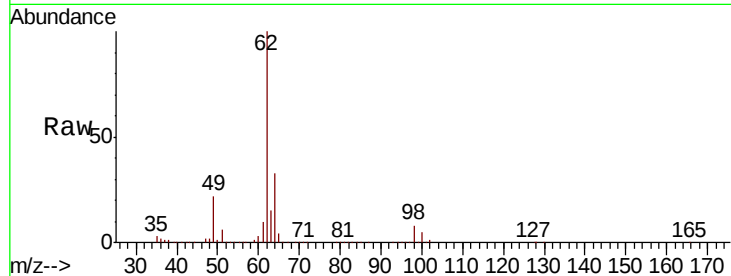




#37
 1,2-Dichloroethane
 Concen: 10.125 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

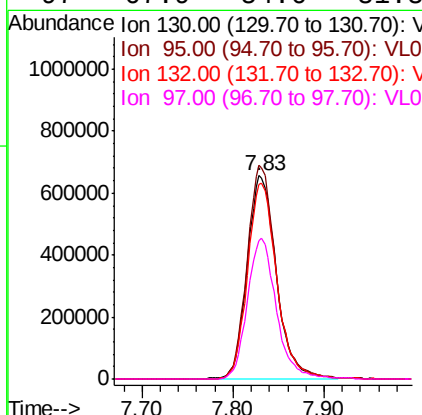
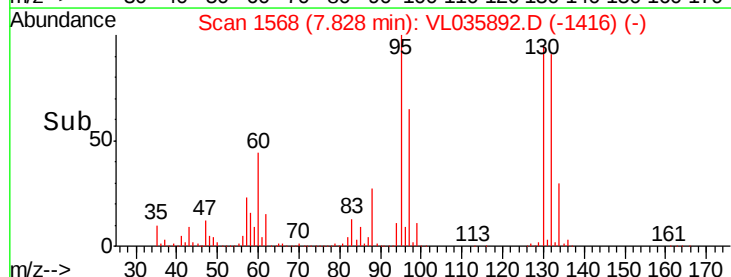
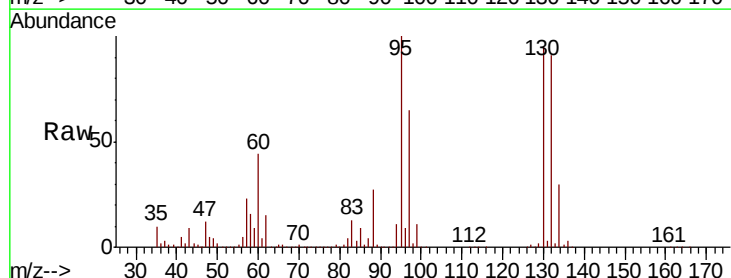
Instrument :
 MSVOA_L
 ClientSampleId :

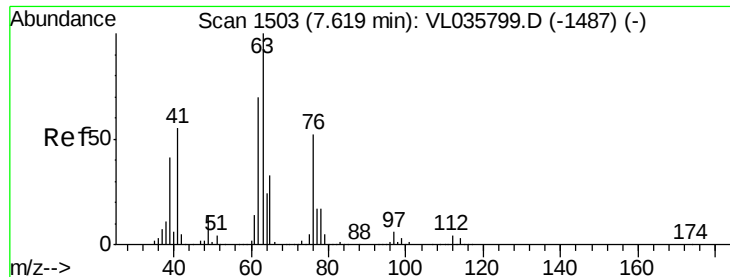
Tot Ion: 62 Resp: 1570271
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.9 10.3



#38
 Trichloroethene
 Concen: 8.795 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 130 Resp: 1470664
 Ion Ratio Lower Upper
 130 100
 95 105.0 81.6 122.4
 132 95.3 75.1 112.7
 97 67.9 54.6 81.8



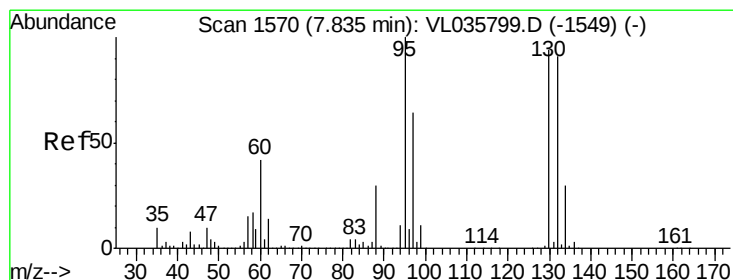
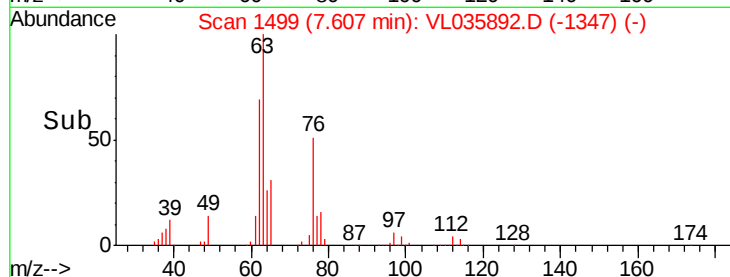
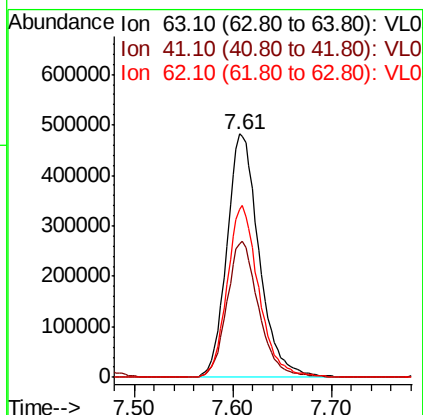
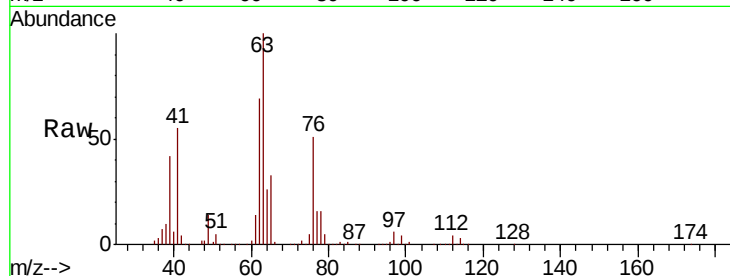


#39
 1,2-Dichloropropane
 Concen: 9.543 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 63 Resp: 1099979

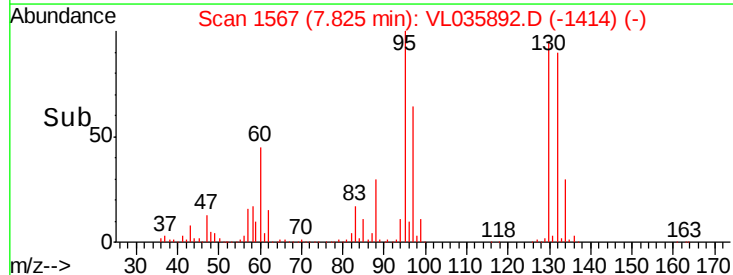
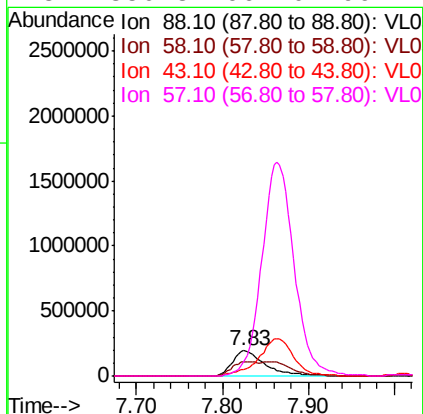
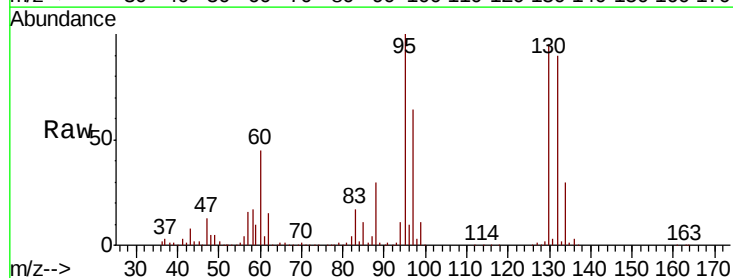
Ion	Ratio	Lower	Upper
63	100		
41	54.8	43.8	65.6
62	69.0	56.2	84.2

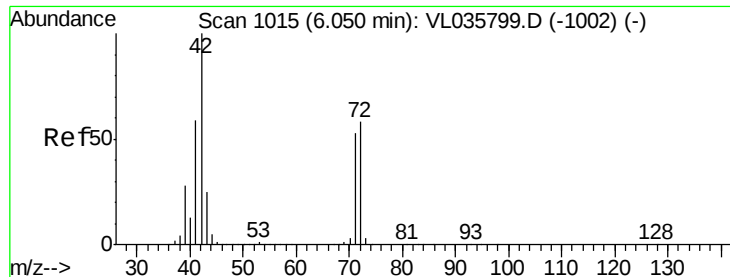


#40
 1,4-Dioxane
 Concen: 9.281 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 88 Resp: 507014

Ion	Ratio	Lower	Upper
88	100		
58	97.6	76.2	114.2
43	160.7	123.1	184.7
57	850.8	661.0	991.4





#41

Tetrahydrofuran

Concen: 10.414 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :
MSVOA_L
ClientSampleId :

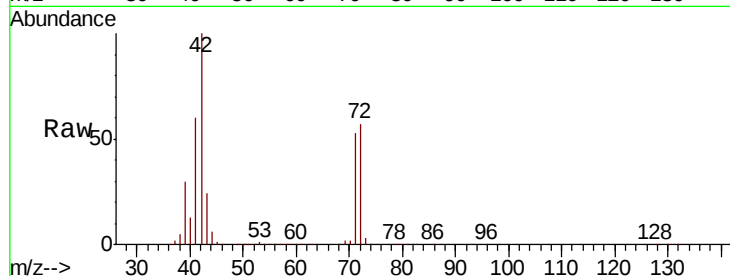
Tot Ion: 42 Resp: 884262

Ion Ratio Lower Upper

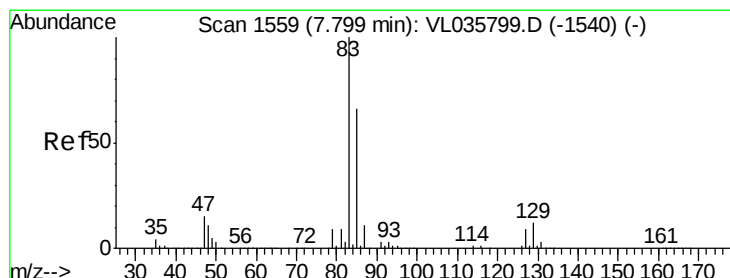
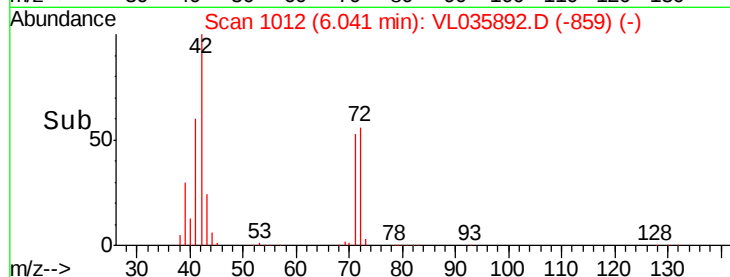
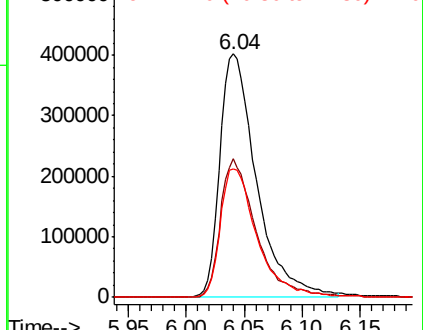
42 100

72 56.2 45.4 68.0

71 53.6 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: 9.814 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

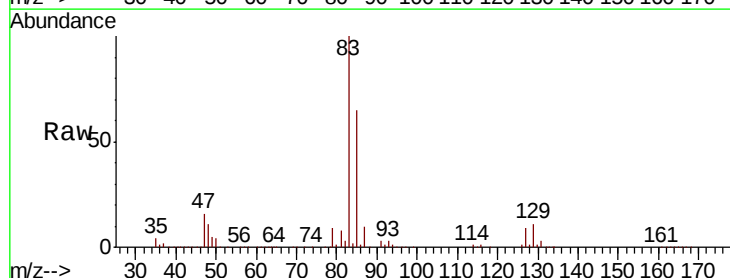
Tgt Ion: 83 Resp: 2568440

Ion Ratio Lower Upper

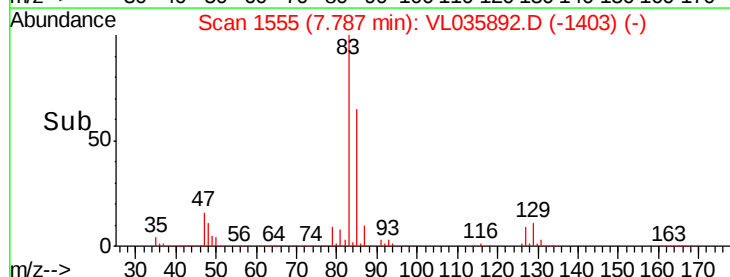
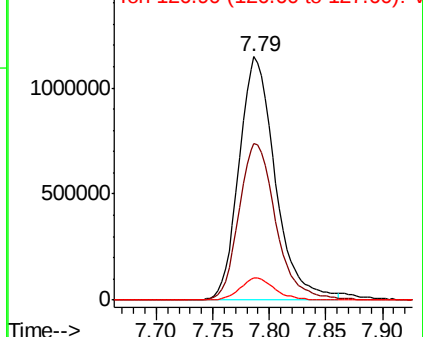
83 100

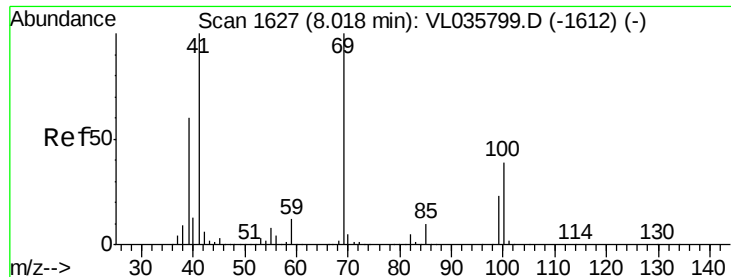
85 64.5 53.1 79.7

127 9.0 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

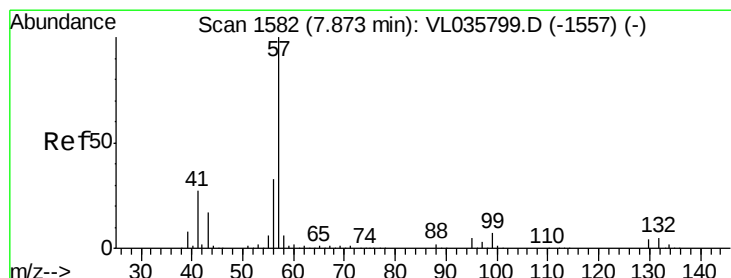
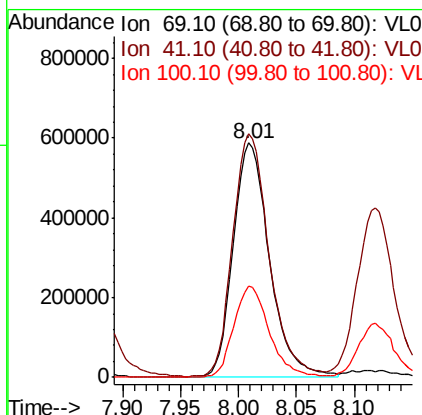
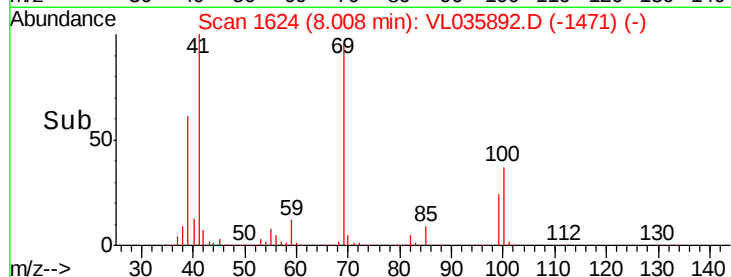
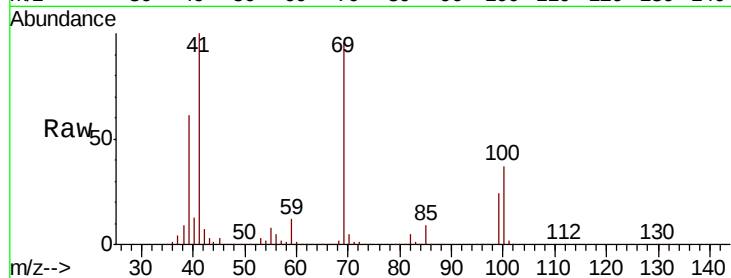




#43
Methvl Methacrilate
Concen: 9.799 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

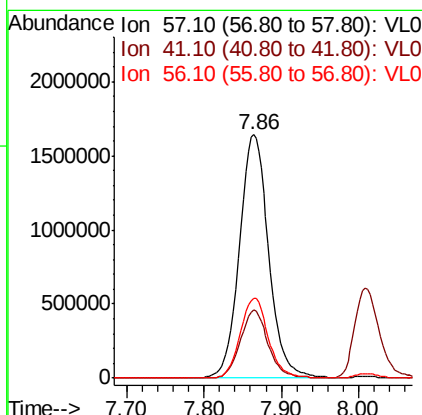
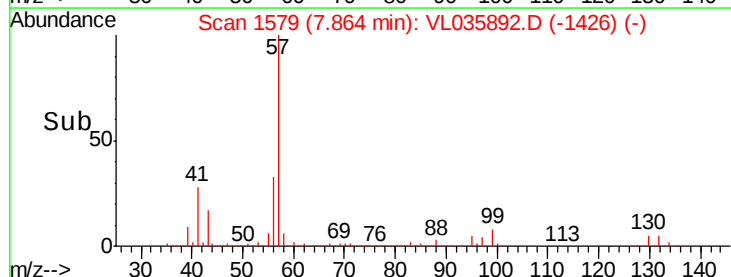
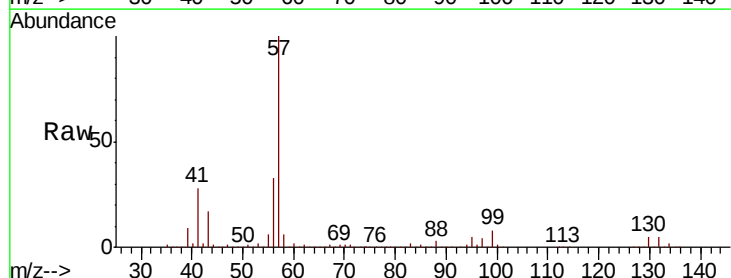
Instrument :
MSVOA_L
ClientSampleId :

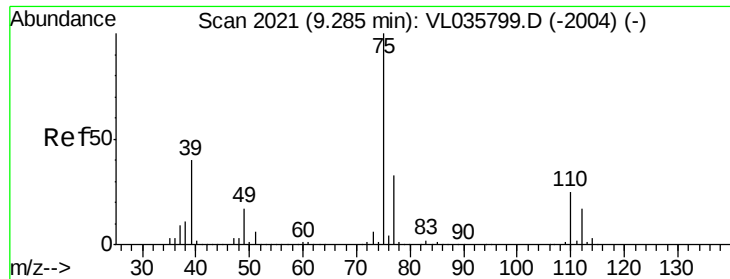
Tot Ion: 69 Resp: 1279557
Ion Ratio Lower Upper
69 100
41 104.1 81.1 121.7
100 38.2 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 9.521 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 57 Resp: 4313322
Ion Ratio Lower Upper
57 100
41 26.6 21.0 31.4
56 31.6 25.4 38.0

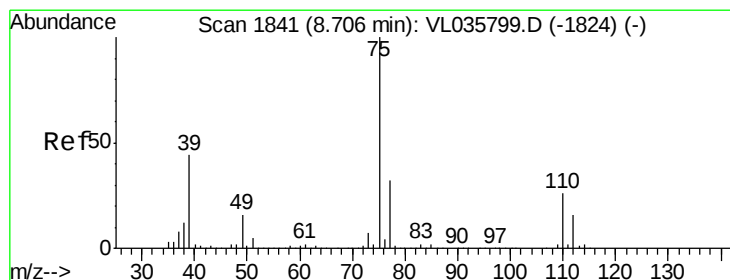
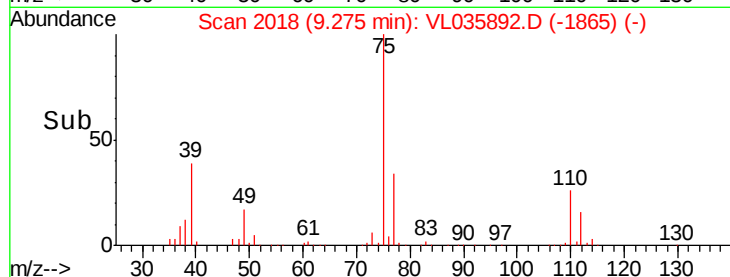
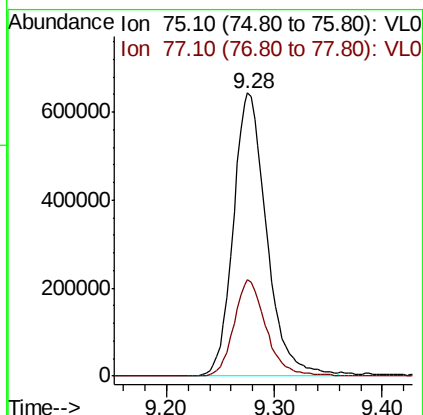
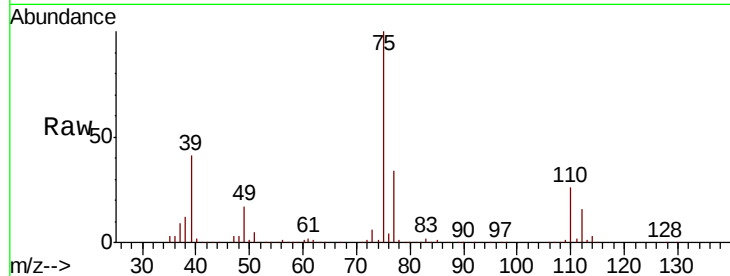




#45
t-1,3-Dichloropropene
Concen: 9.985 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

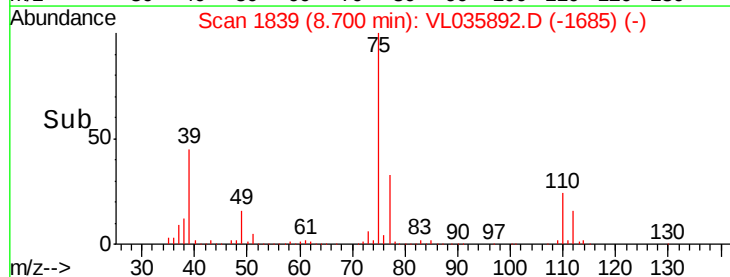
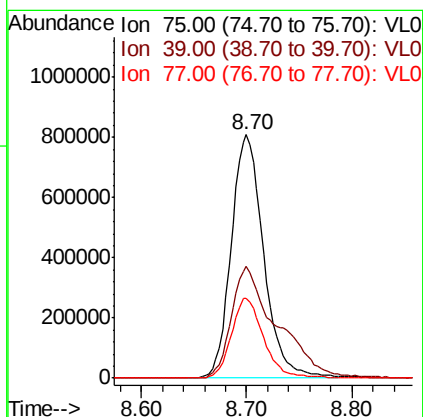
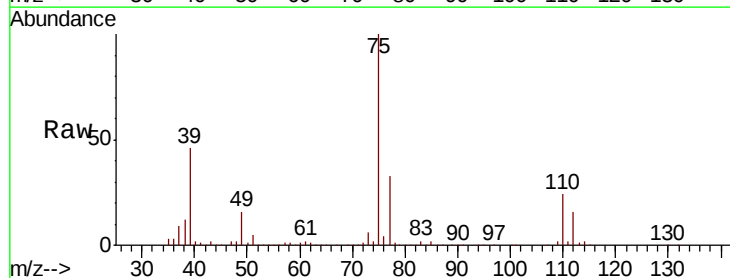
Instrument :
MSVOA_L
ClientSampleId :

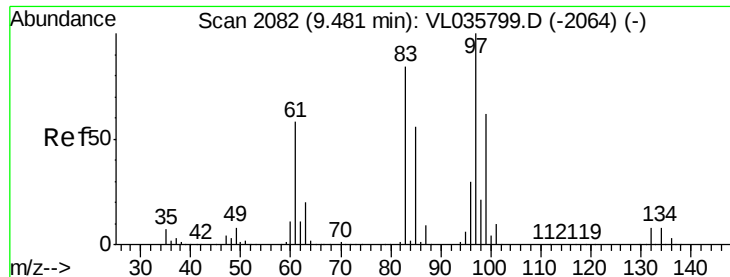
Tot Ion: 75 Resp: 1382277
Ion Ratio Lower Upper
75 100
77 34.1 26.4 39.6



#46
cis-1,3-Dichloropropene
Concen: 9.820 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 75 Resp: 1721571
Ion Ratio Lower Upper
75 100
39 45.6 35.1 52.7
77 32.7 25.7 38.5



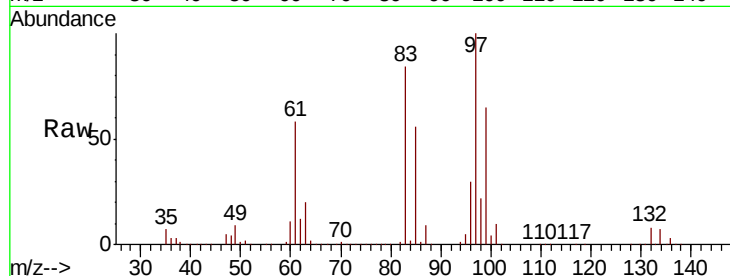


#47
 1,1,2-Trichloroethane
 Concen: 9.284 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

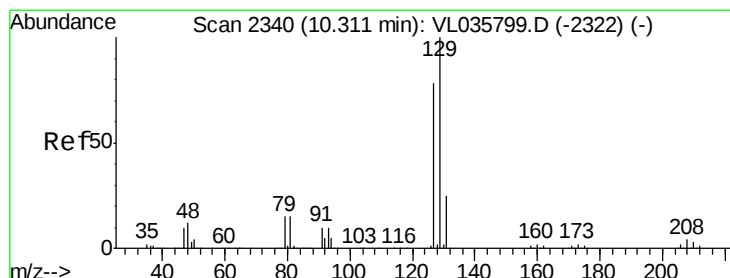
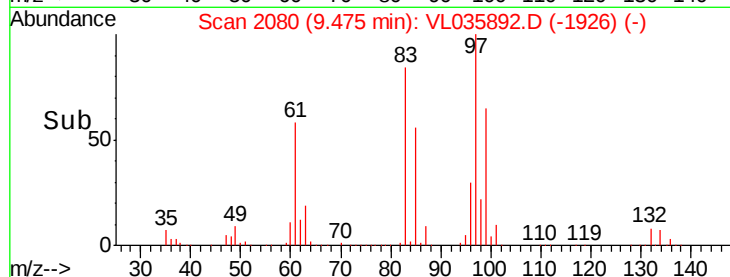
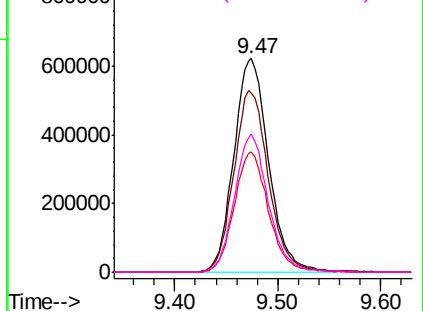
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1458064

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.1	100.7
85	56.3	44.7	67.1
99	64.5	49.7	74.5



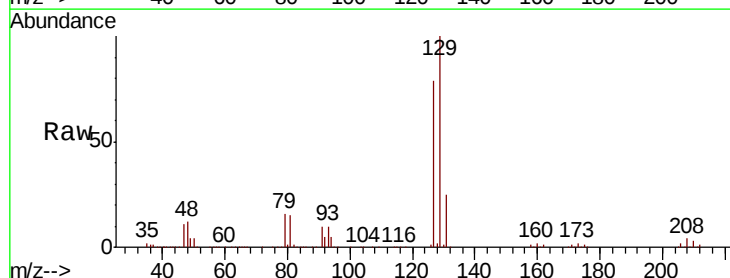
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



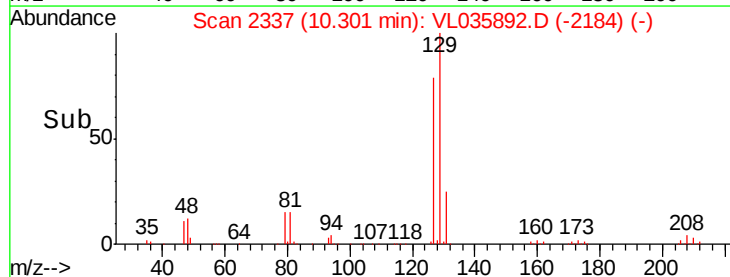
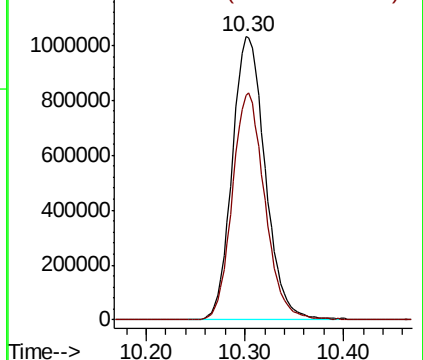
#48
 Dibromochloromethane
 Concen: 10.029 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

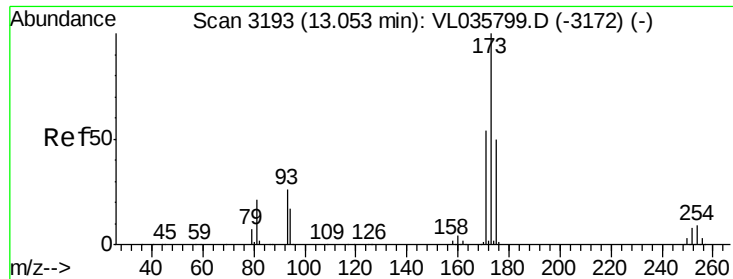
Tgt Ion: 129 Resp: 2406210

Ion	Ratio	Lower	Upper
129	100		
127	79.1	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: 10.096 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

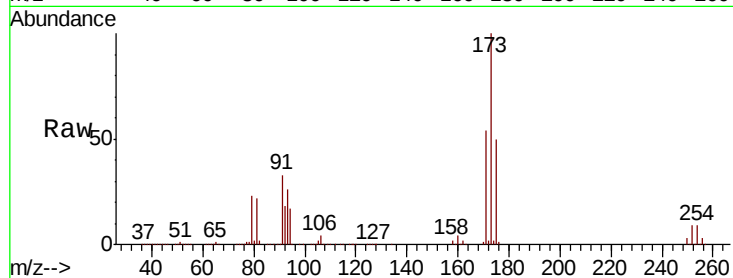
Tot Ion:173 Resp: 2043994

Ion Ratio Lower Upper

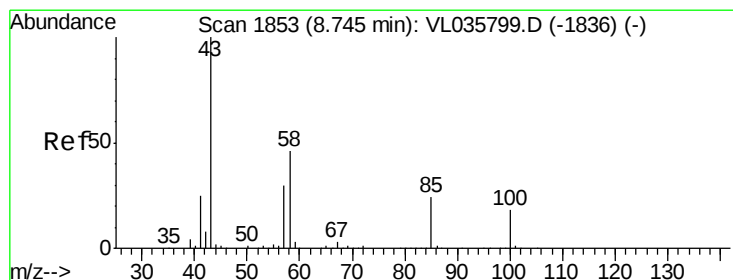
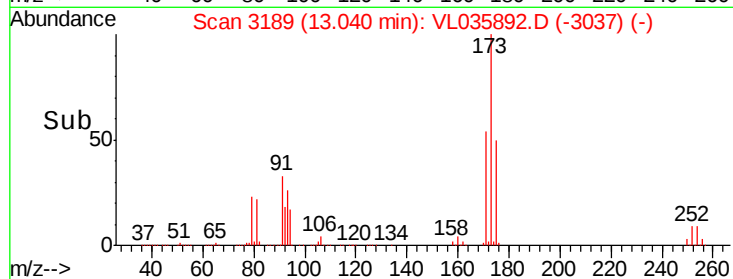
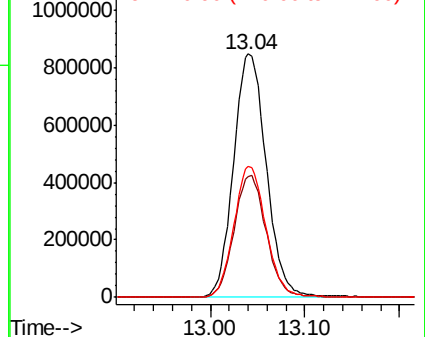
173 100

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: 10.144 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL035892.D

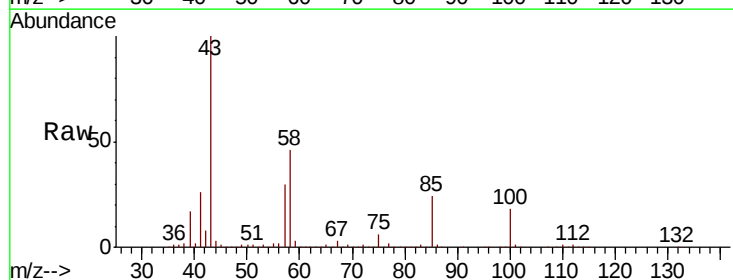
Acq: 10 Nov 2020 15:49

Tgt Ion: 43 Resp: 2318286

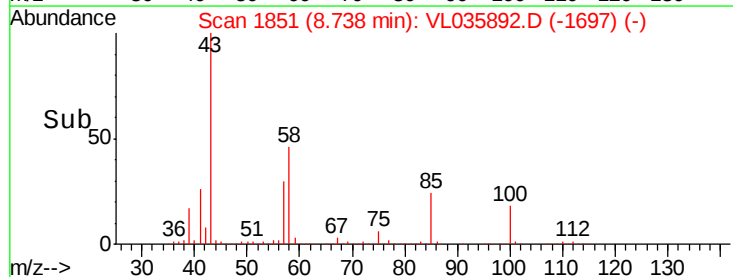
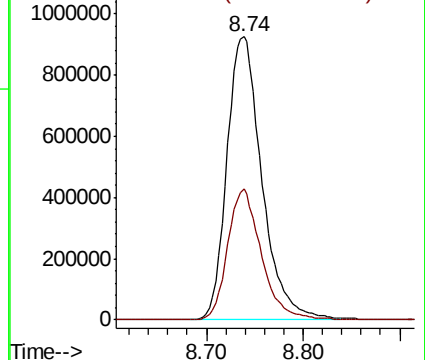
Ion Ratio Lower Upper

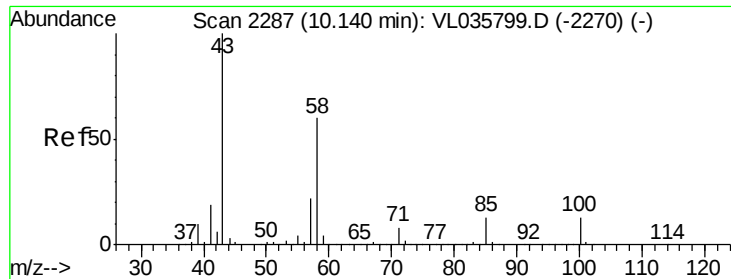
43 100

58 44.7 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: 10.212 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampled :

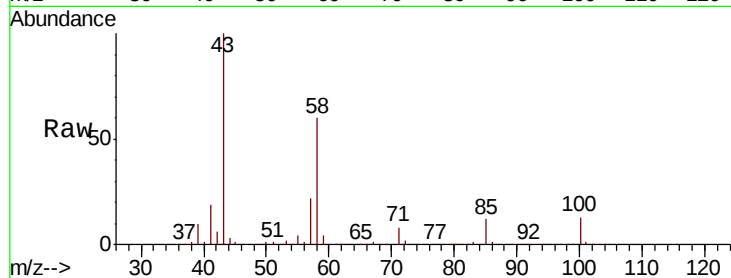
Tot Ion: 43 Resp: 1874712

Ion Ratio Lower Upper

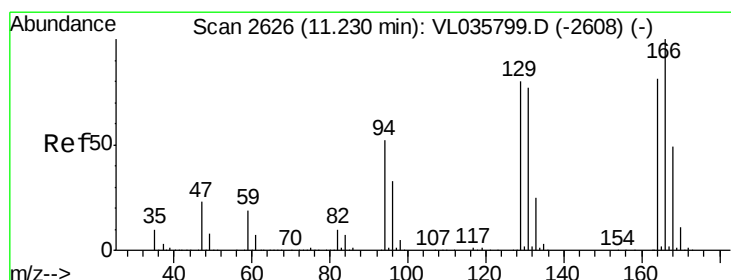
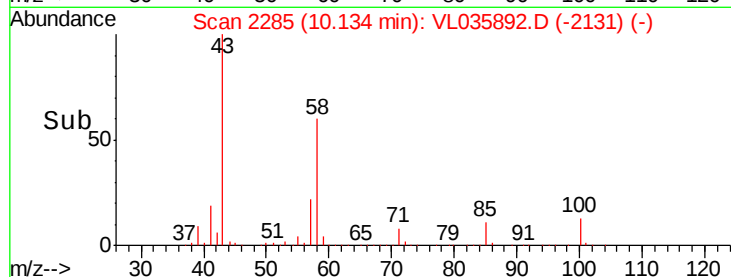
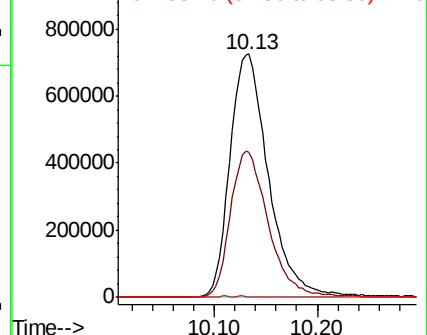
43 100

58 60.1 48.3 72.5

98 0.7 0.6 0.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.507 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Tgt Ion:164 Resp: 1379824

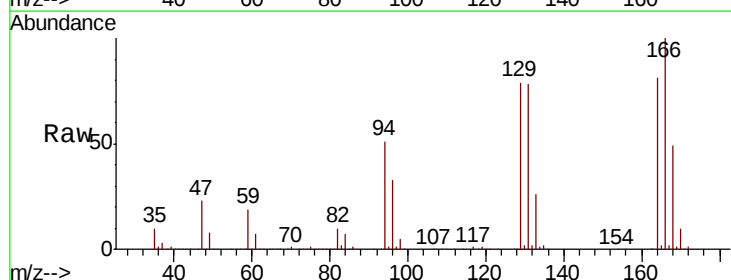
Ion Ratio Lower Upper

164 100

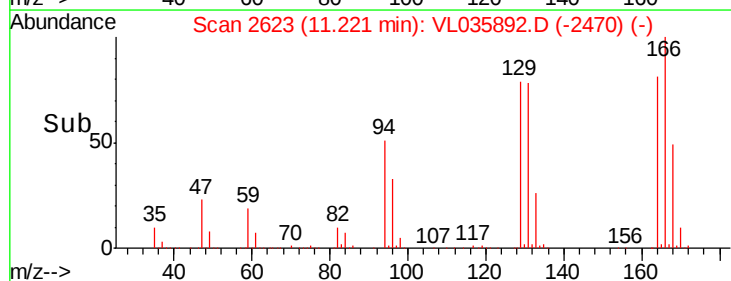
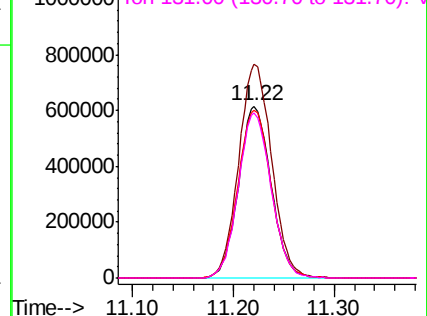
166 124.1 99.3 148.9

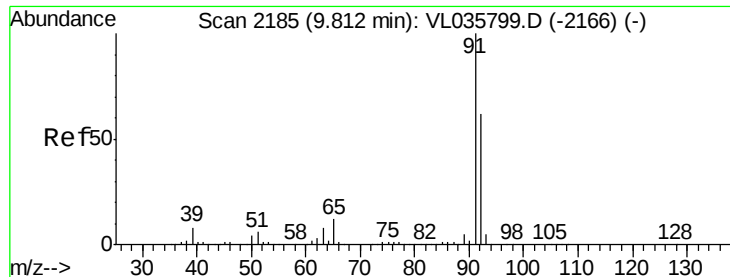
129 97.5 79.3 118.9

131 96.2 76.5 114.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.277 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

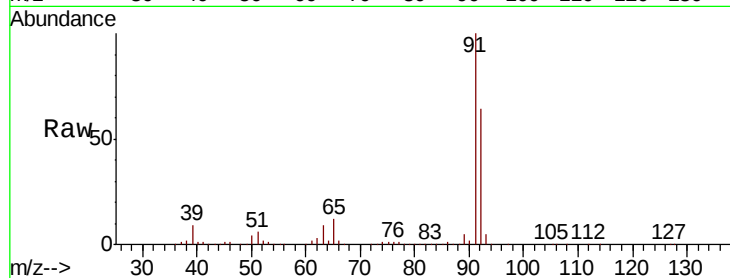
ClientSampleId :

Tot Ion: 91 Resp: 3832165

Ion Ratio Lower Upper

91 100

92 61.5 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

2000000

1500000

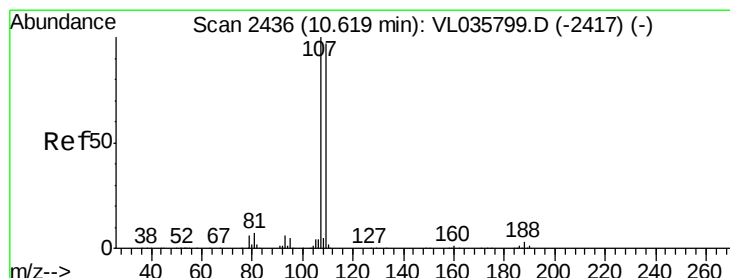
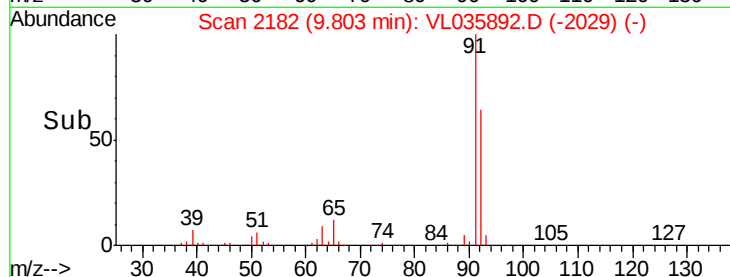
1000000

500000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.290 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035892.D

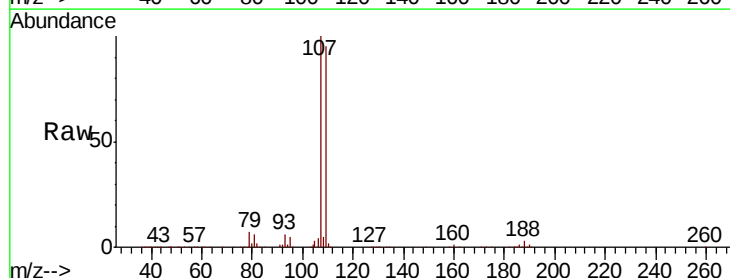
Acq: 10 Nov 2020 15:49

Tgt Ion: 107 Resp: 2219008

Ion Ratio Lower Upper

107 100

109 95.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

1000000

800000

600000

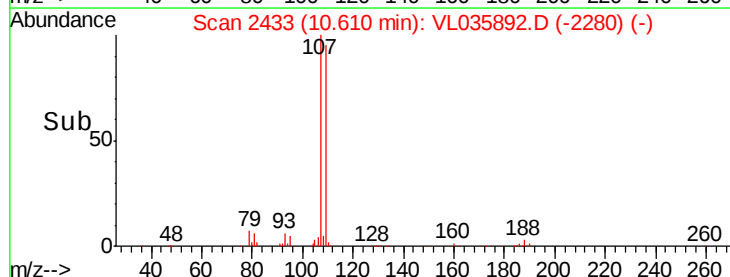
400000

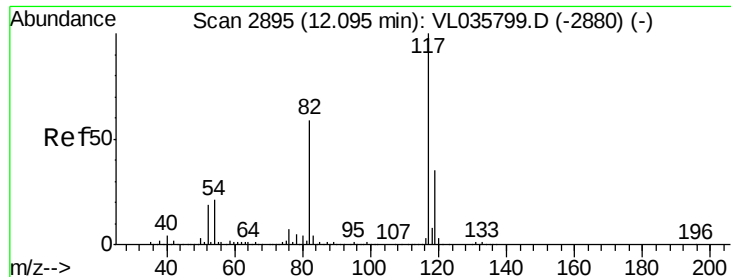
200000

0

10.50 10.60 10.70

Time-->

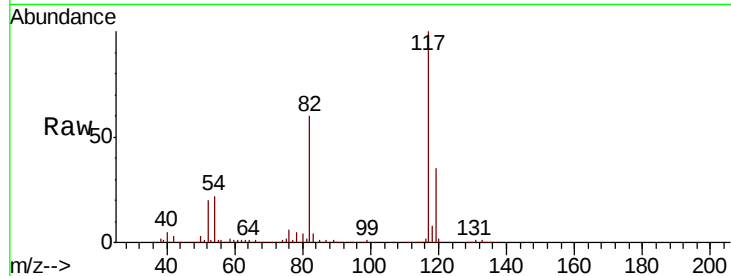




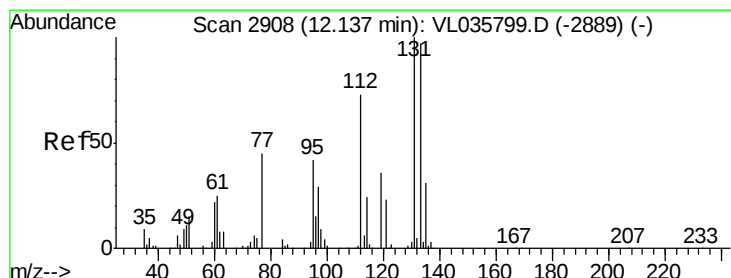
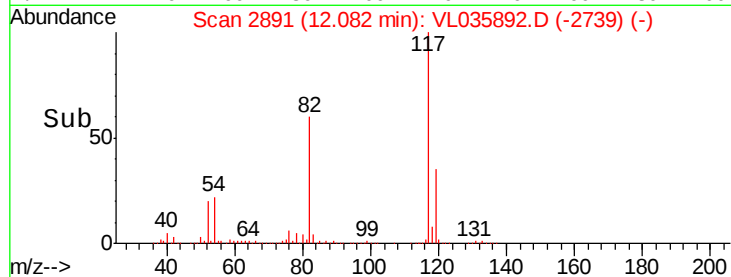
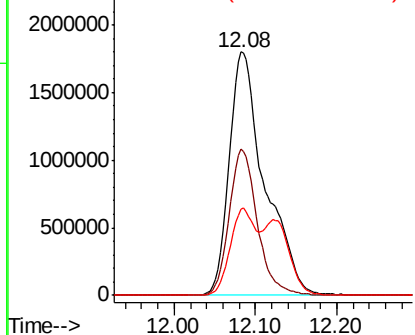
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 5510794
Ion Ratio Lower Upper
117 100
82 47.9 50.6 76.0#
119 25.8 52.6 78.8#

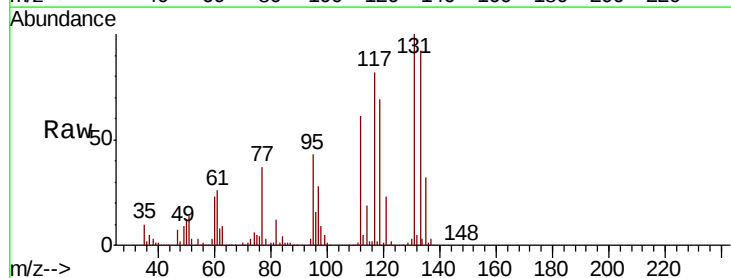


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

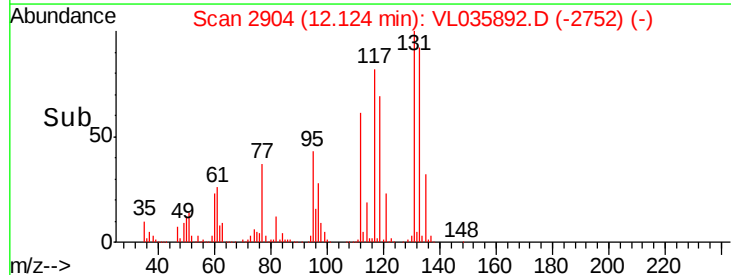
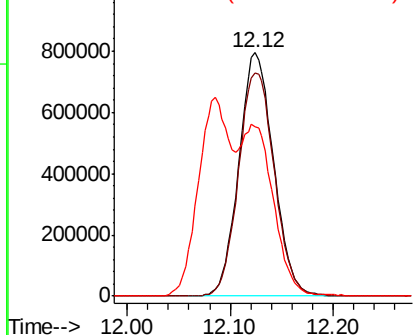


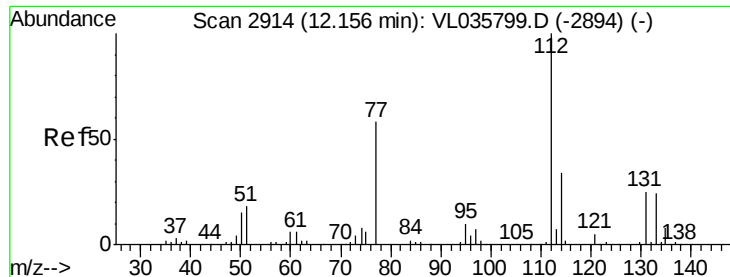
#56
1,1,1,2-Tetrachloroethane
Concen: 7.522 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion:131 Resp: 1860391
Ion Ratio Lower Upper
131 100
133 95.0 76.8 115.2
119 63.0 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

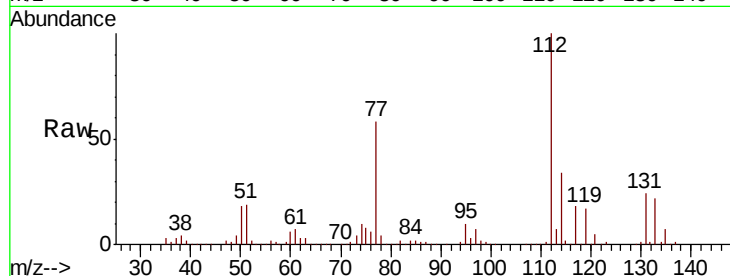




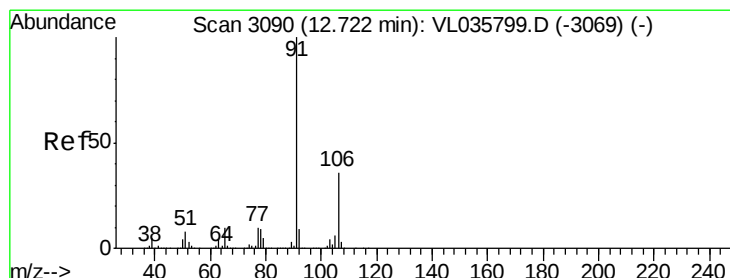
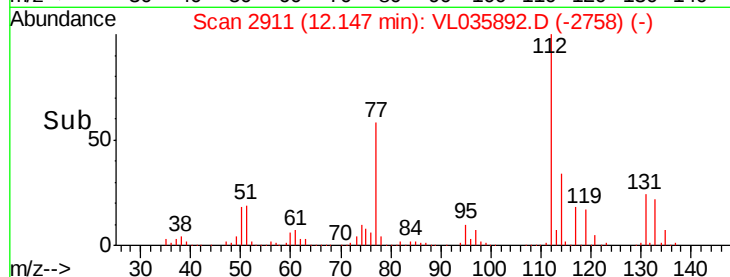
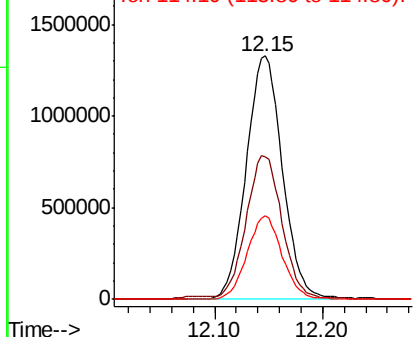
#57
Chlorobenzene
Concen: 7.057 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 112 Resp: 3092261
Ion Ratio Lower Upper
112 100
77 57.9 47.5 71.3
114 34.2 30.3 37.1

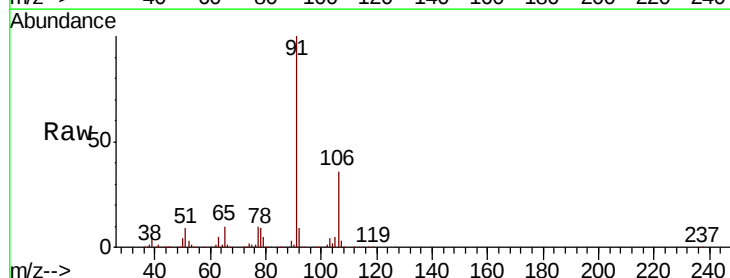


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

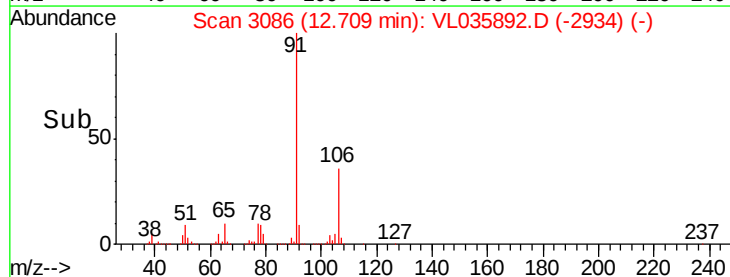
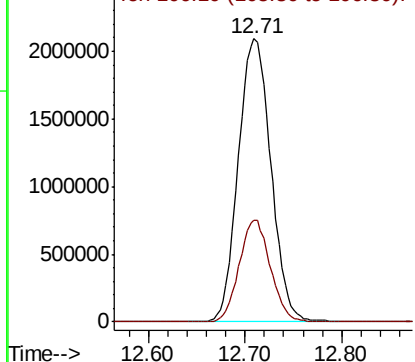


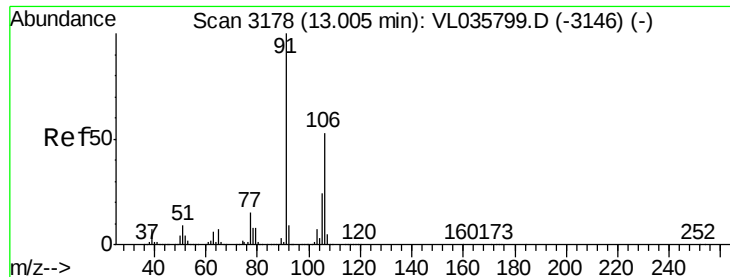
#58
Ethyl Benzene
Concen: 7.317 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 91 Resp: 4910999
Ion Ratio Lower Upper
91 100
106 36.0 28.6 43.0



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

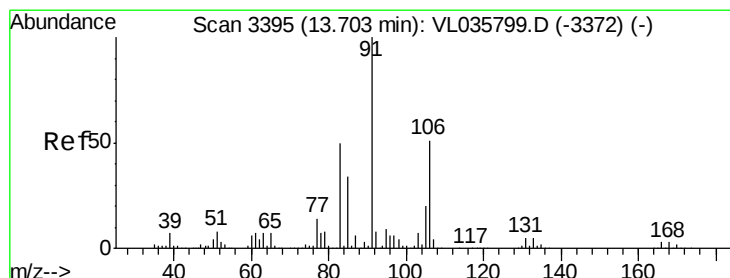
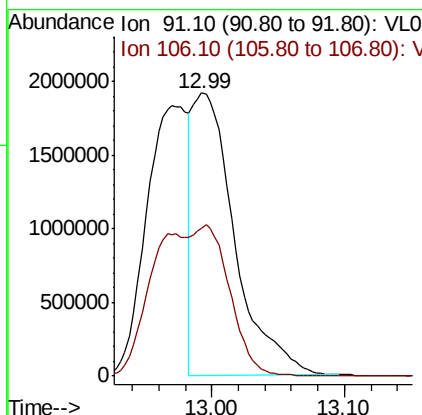
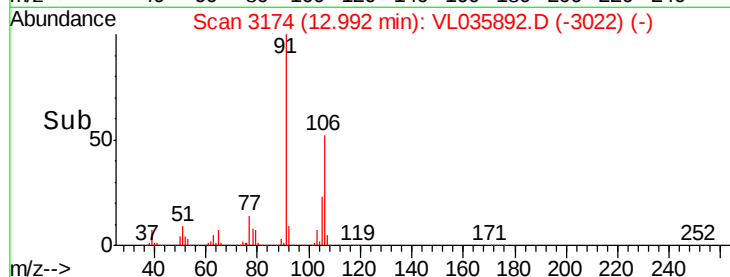
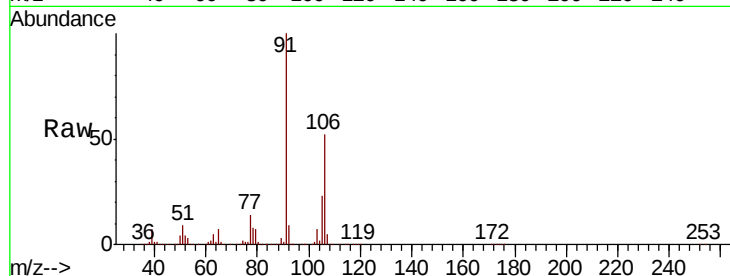




#59
m/p-Xylene
Concen: 7.411 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

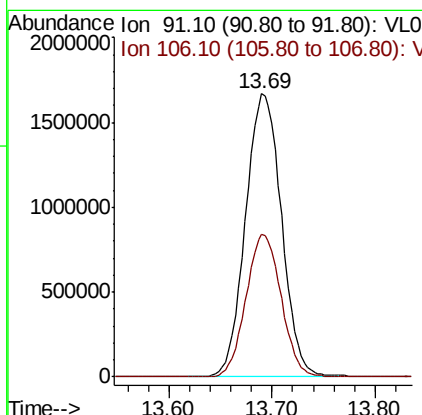
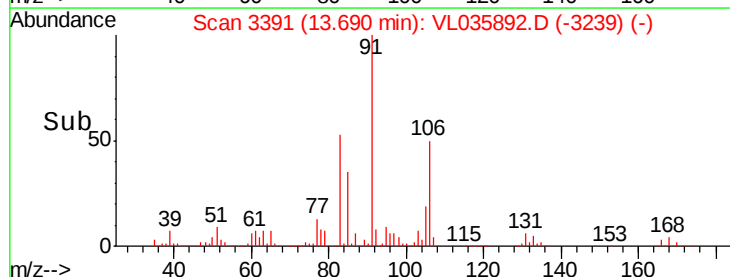
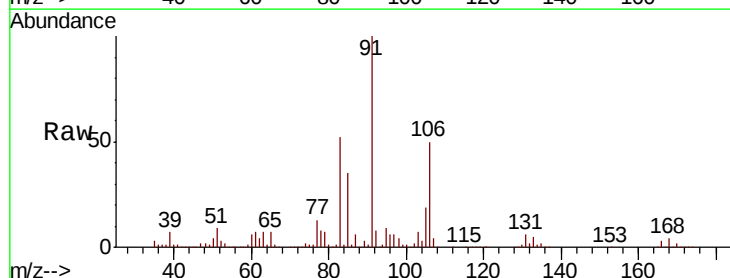
Instrument :
MSVOA_L
ClientSampled :

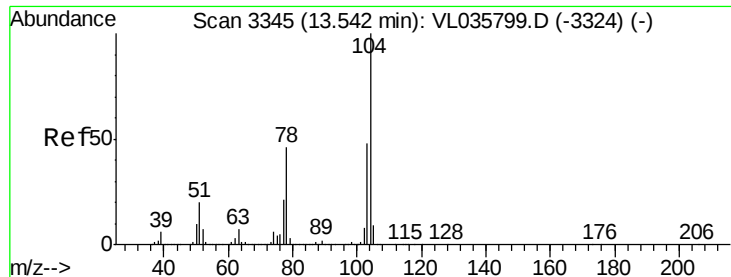
Tot Ion: 91 Resp: 4208435
Ion Ratio Lower Upper
91 100
106 96.6 39.5 59.3#



#60
o-Xylene
Concen: 7.300 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 91 Resp: 4032670
Ion Ratio Lower Upper
91 100
106 49.4 24.8 74.4





#61

Stvrene

Concen: 7.542 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

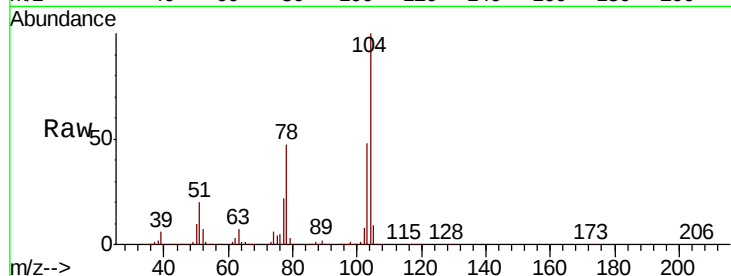
Tot Ion:104 Resp: 3052529

Ion Ratio Lower Upper

104 100

78 46.8 37.1 55.7

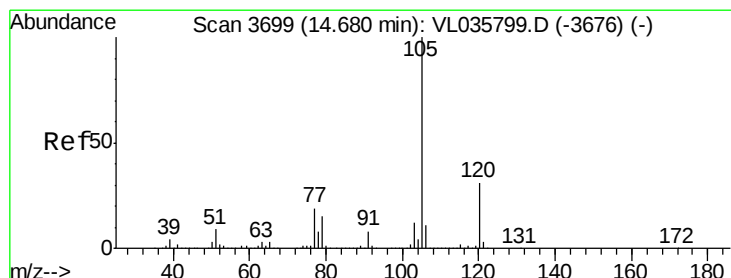
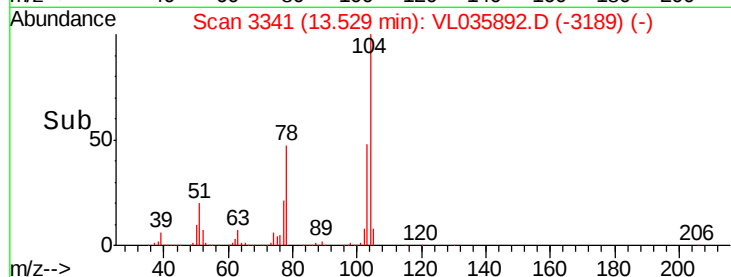
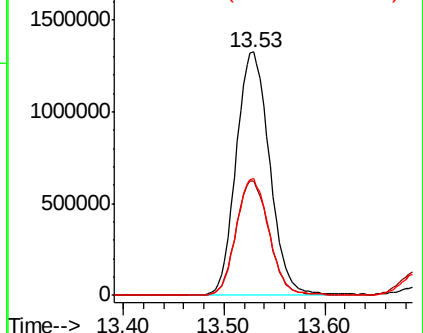
103 47.3 37.9 56.9



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: 7.034 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL035892.D

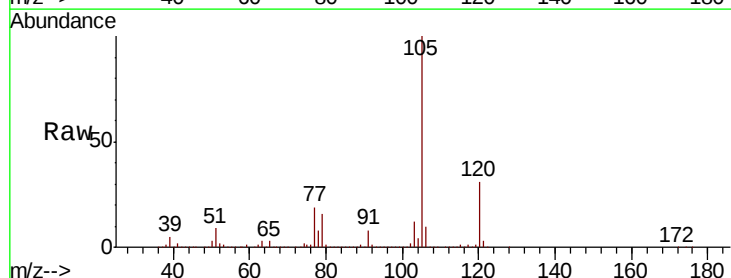
Acq: 10 Nov 2020 15:49

Tgt Ion:105 Resp: 6107236

Ion Ratio Lower Upper

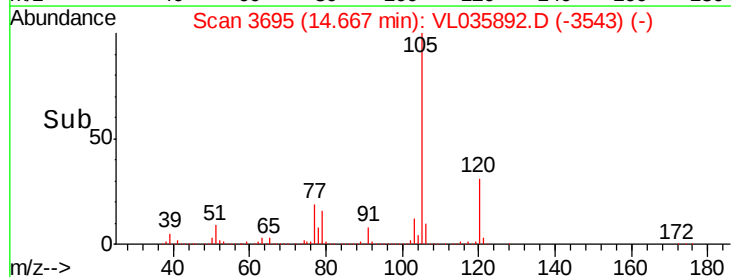
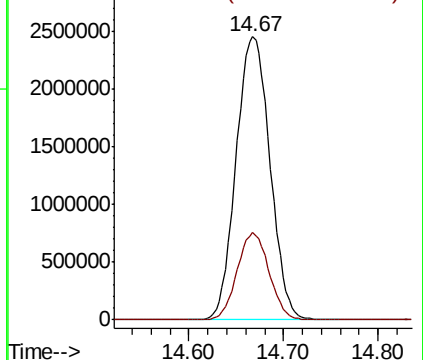
105 100

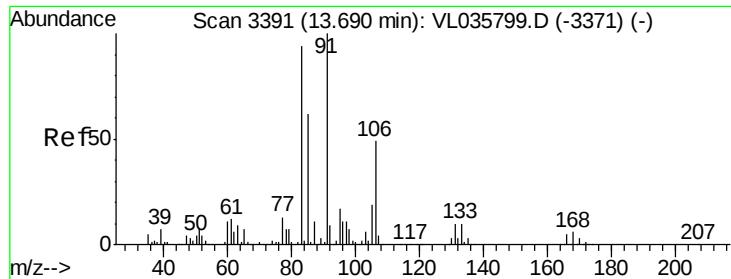
120 29.1 23.5 35.3



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: 6.635 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampled :

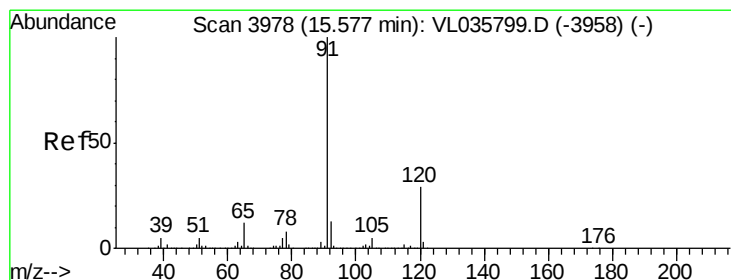
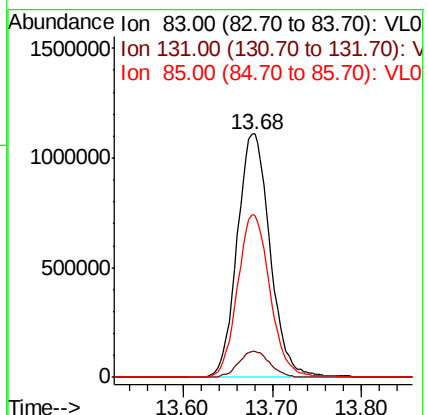
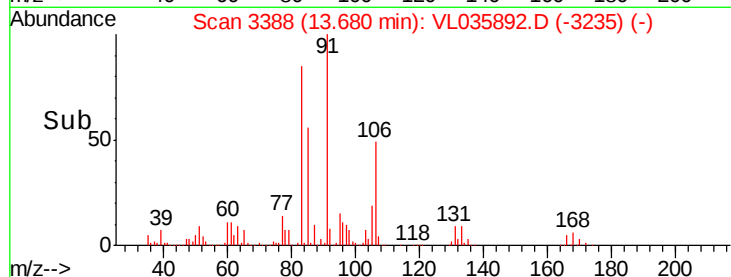
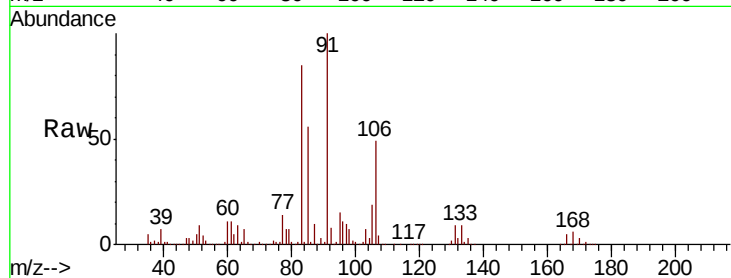
Tot Ion: 83 Resp: 2840071

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

85 66.7 33.5 100.4



#64

n-propylbenzene

Concen: 7.117 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.02 min

Lab File: VL035892.D

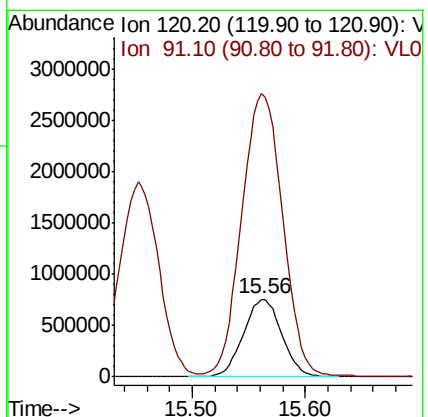
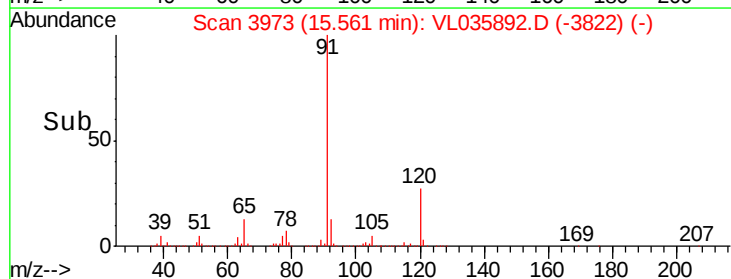
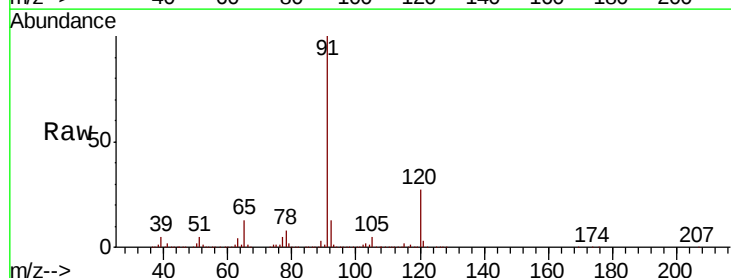
Acq: 10 Nov 2020 15:49

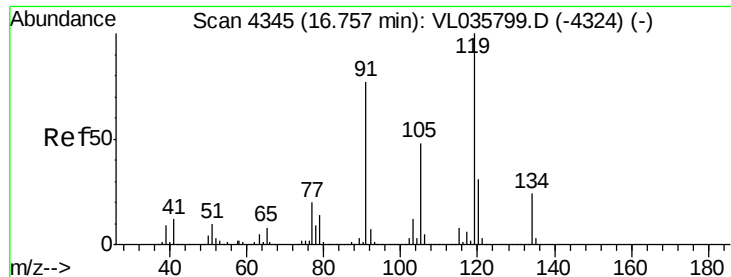
Tgt Ion:120 Resp: 1786004

Ion Ratio Lower Upper

120 100

91 391.9 311.1 466.7

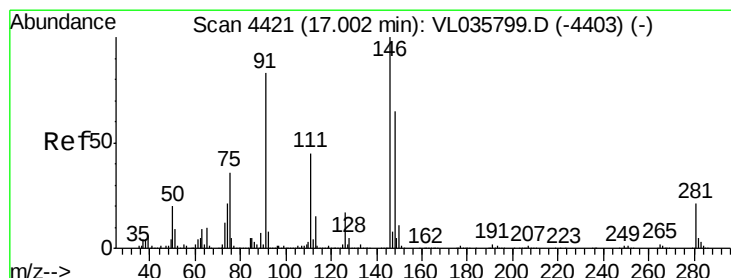
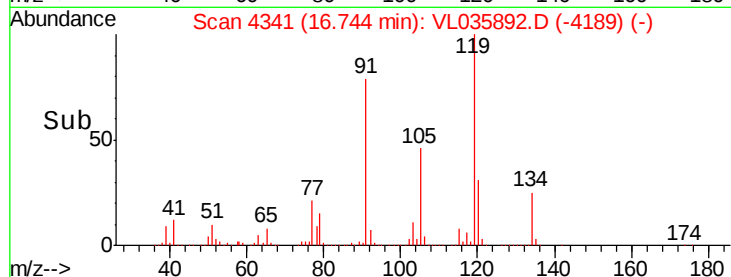
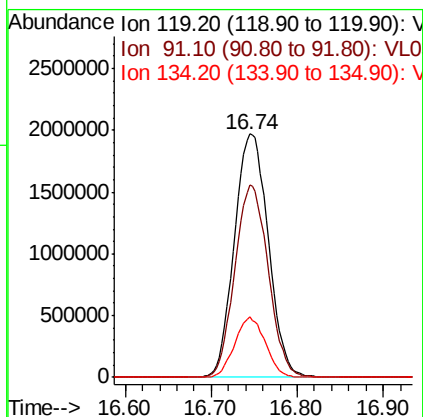
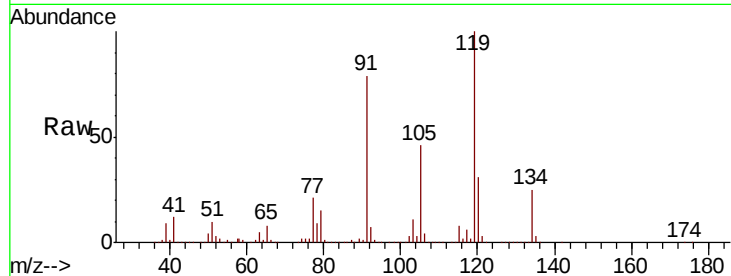




#65
tert-Butylbenzene
Concen: 6.838 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

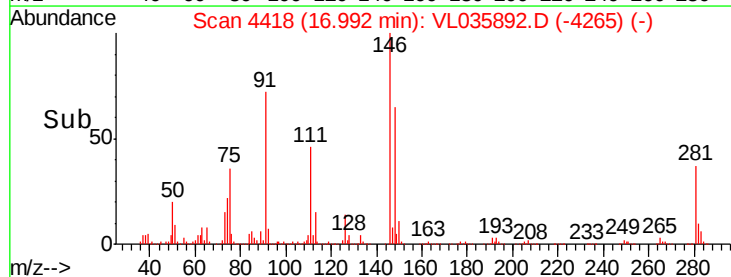
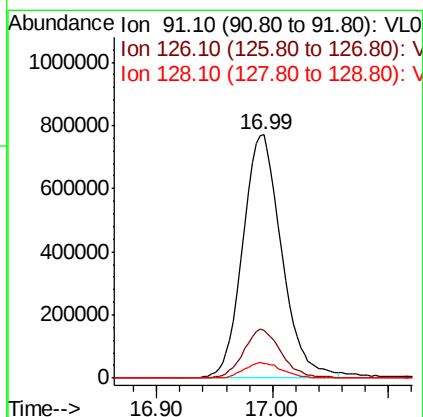
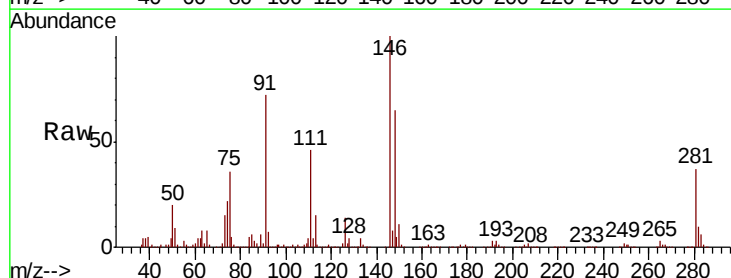
Instrument :
MSVOA_L
ClientSampled :

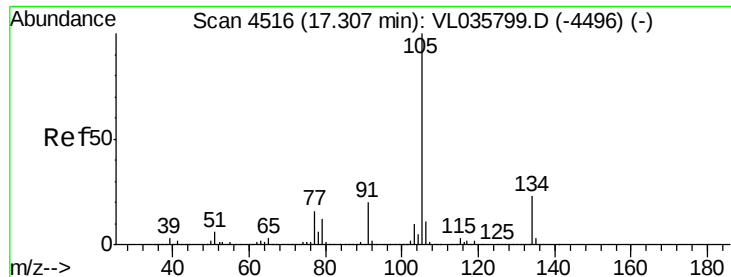
Tot Ion:119 Resp: 5404183
Ion Ratio Lower Upper
119 100
91 77.6 62.0 93.0
134 22.3 17.8 26.8



#66
Benzyl Chloride
Concen: 6.852 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion: 91 Resp: 1789804
Ion Ratio Lower Upper
91 100
126 19.9 16.0 24.0
128 6.3 5.0 7.4

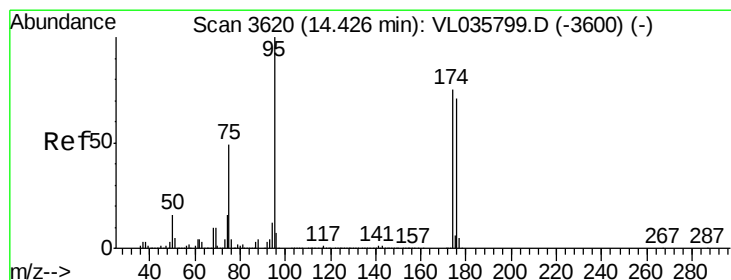
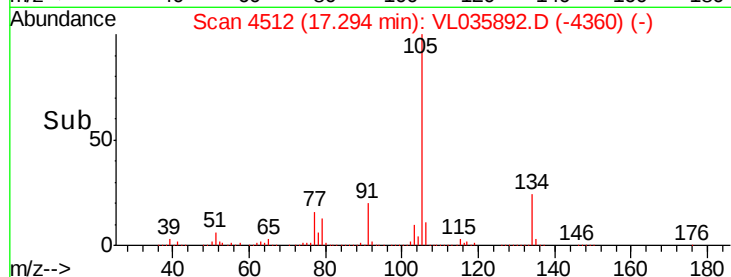
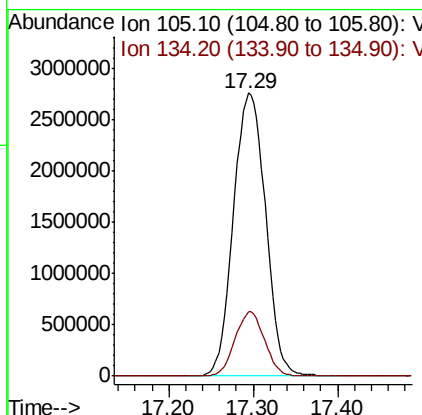
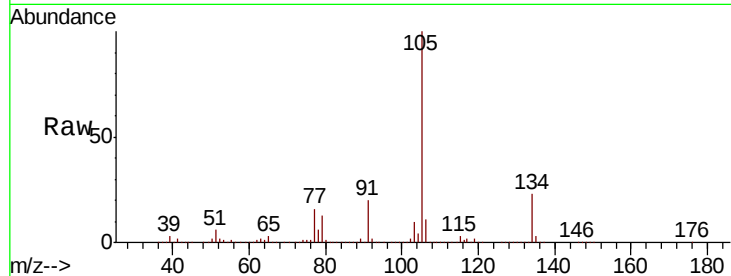




#67
 sec-Butylbenzene
 Concen: 6.857 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

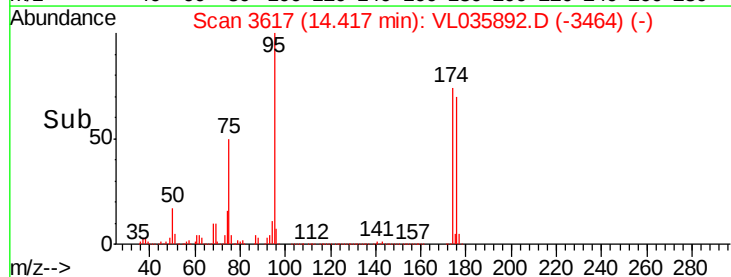
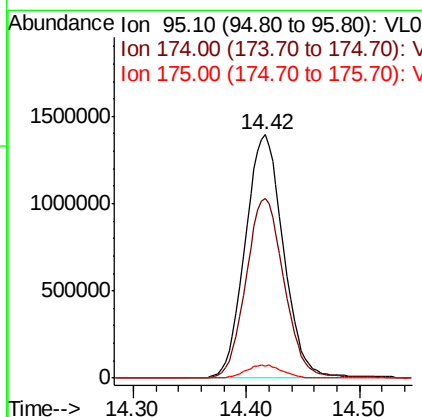
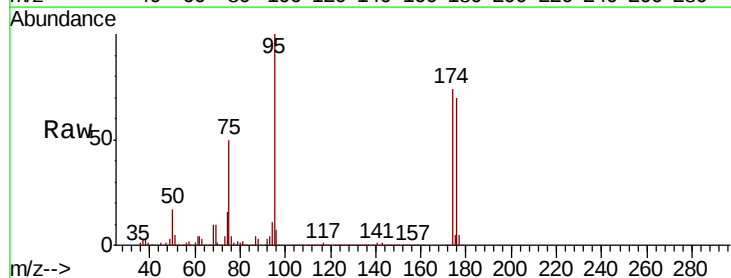
Instrument :
 MSVOA_L
 ClientSampleId :

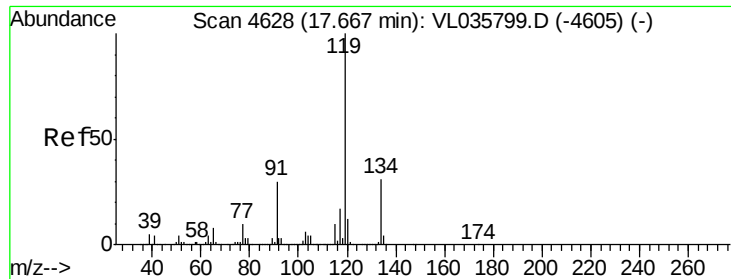
Tot Ion:105 Resp: 7302688
 Ion Ratio Lower Upper
 105 100
 134 21.1 17.0 25.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.341 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 95 Resp: 3265849
 Ion Ratio Lower Upper
 95 100
 174 74.8 59.8 89.6
 175 5.3 4.3 6.5

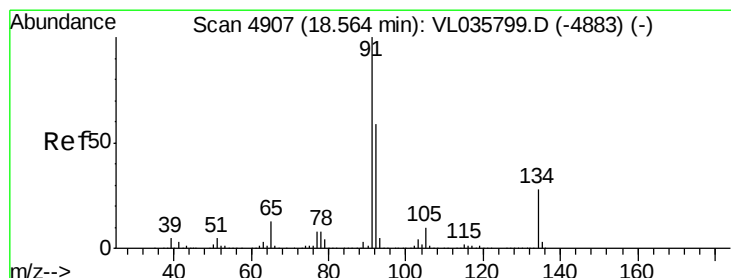
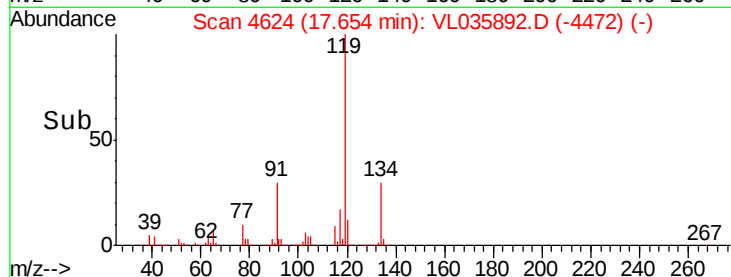
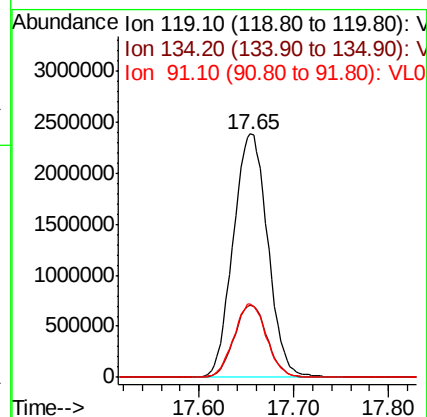
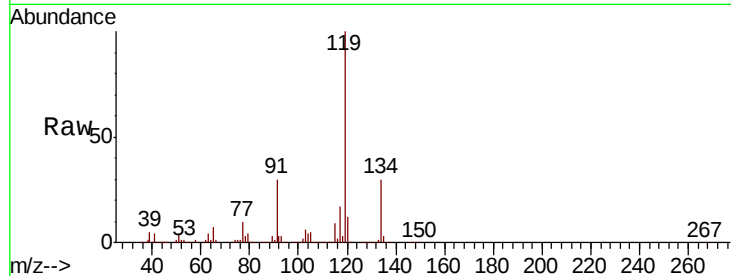




#69
 p-Isopropyltoluene
 Concen: 6.874 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

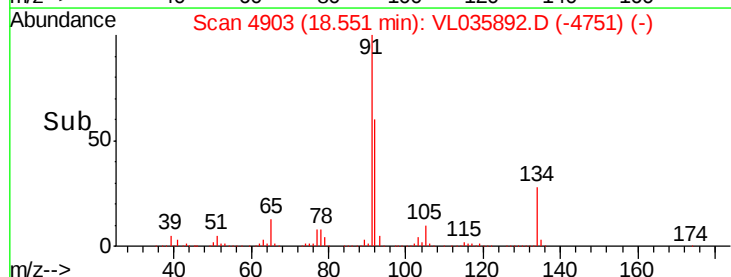
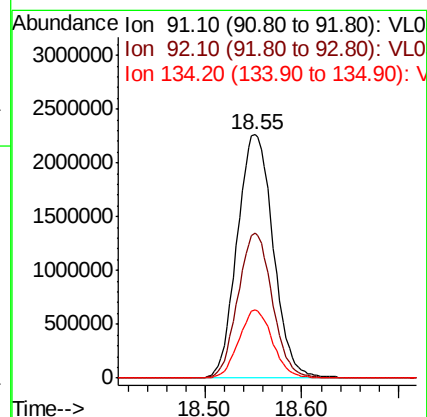
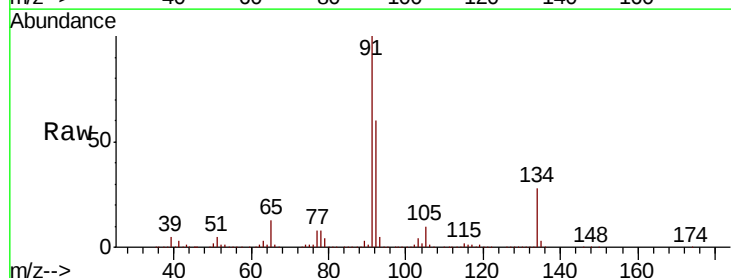
Instrument :
 MSVOA_L
 ClientSampleId :

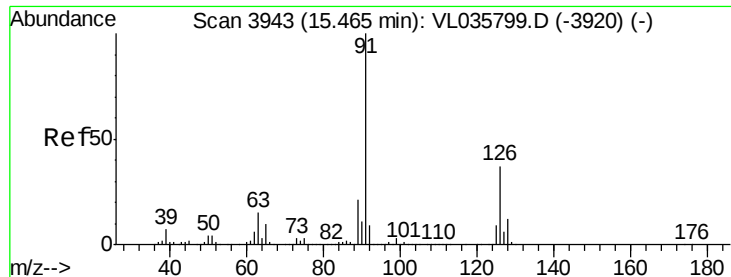
Tot Ion:119 Resp: 6041529
 Ion Ratio Lower Upper
 119 100
 134 28.5 23.0 34.6
 91 28.6 22.8 34.2



#70
 n-Butylbenzene
 Concen: 6.909 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion: 91 Resp: 5847540
 Ion Ratio Lower Upper
 91 100
 92 57.1 45.7 68.5
 134 26.2 21.0 31.4





#71

2-Chlorotoluene

Concen: 7.159 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

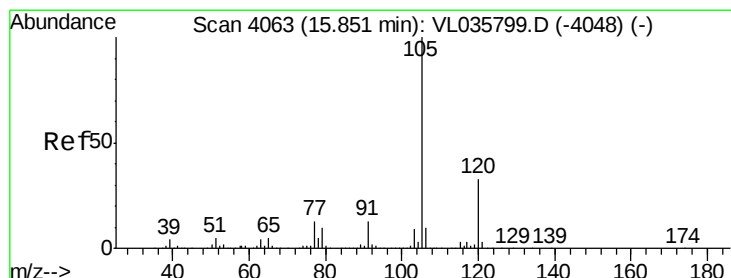
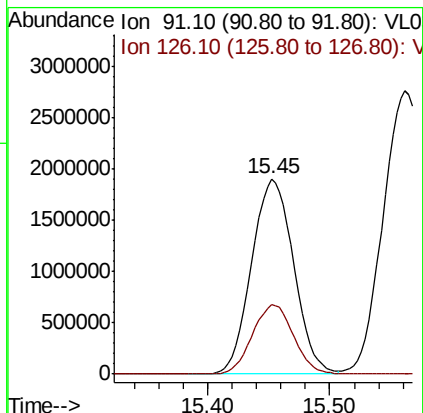
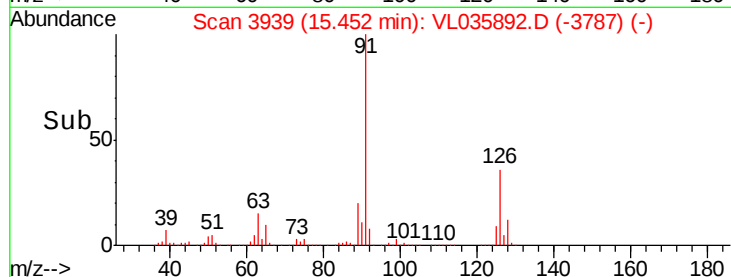
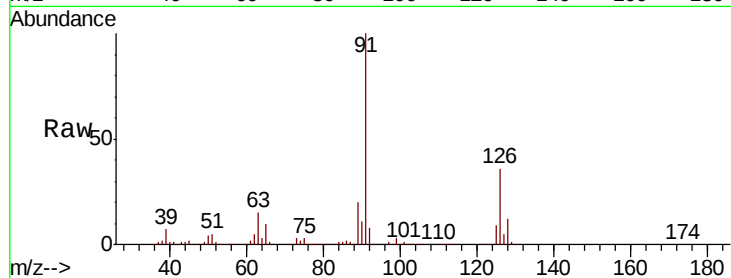
ClientSampled :

Tot Ion: 91 Resp: 4546620

Ion Ratio Lower Upper

91 100

126 34.9 14.3 57.1



#72

4-Ethyltoluene

Concen: 7.127 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Tgt Ion:105 Resp: 4774790

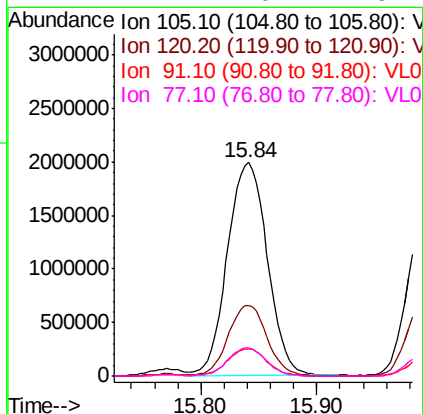
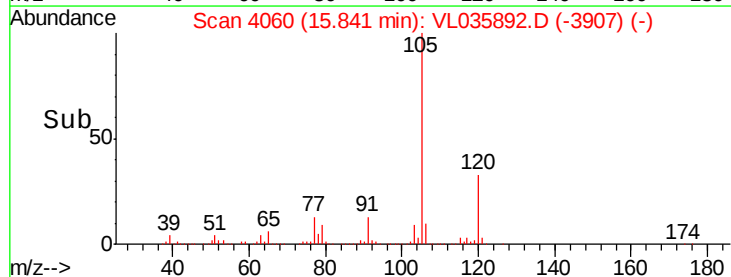
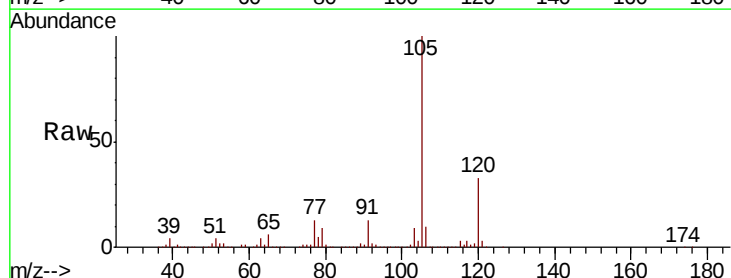
Ion Ratio Lower Upper

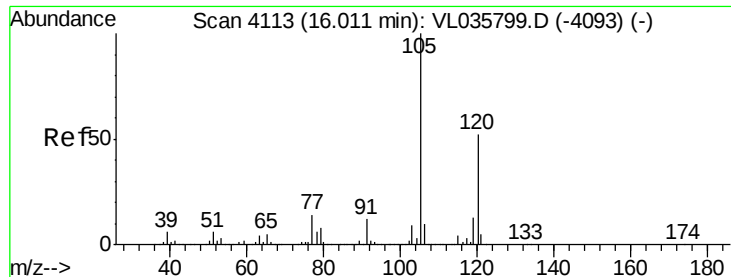
105 100

120 32.4 25.9 38.9

91 12.6 9.9 14.9

77 12.7 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 7.168 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

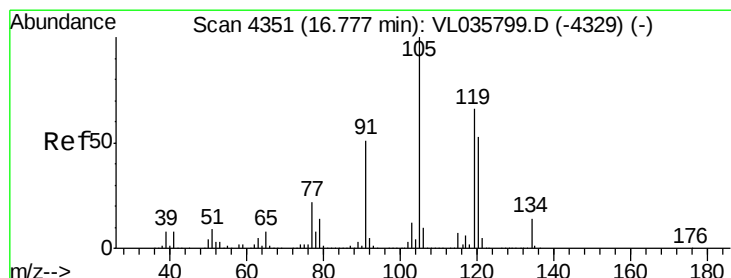
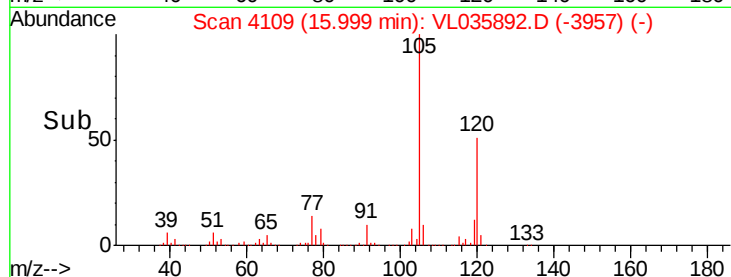
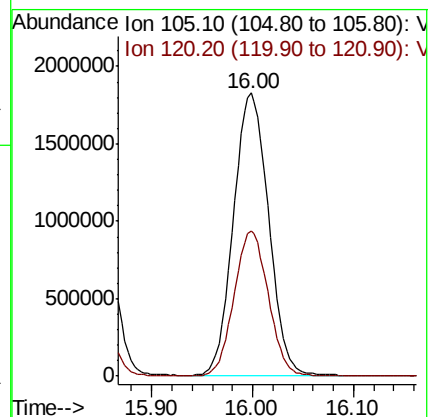
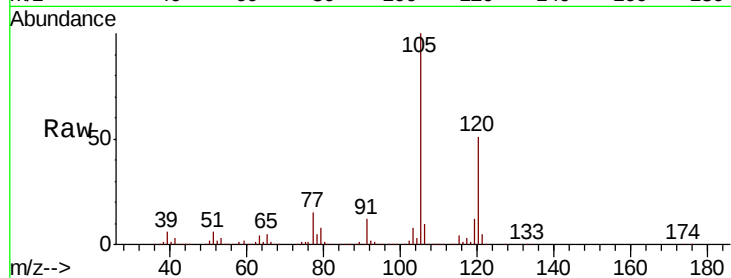
ClientSampleId :

Tot Ion:105 Resp: 4394783

Ion Ratio Lower Upper

105 100

120 51.3 41.4 62.2



#74

1,2,4-Trimethylbenzene

Concen: 6.915 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Tgt Ion:105 Resp: 4543183

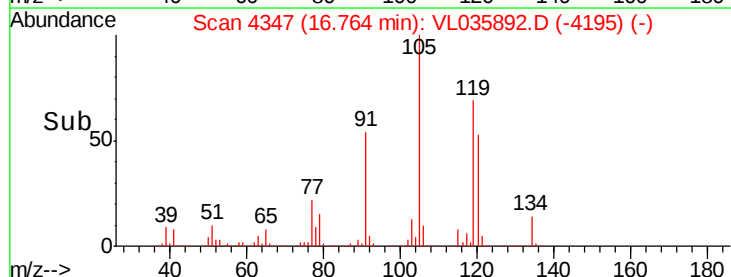
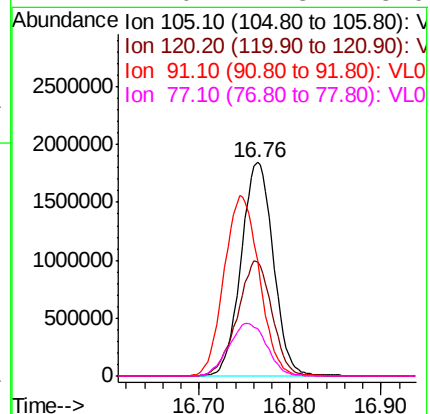
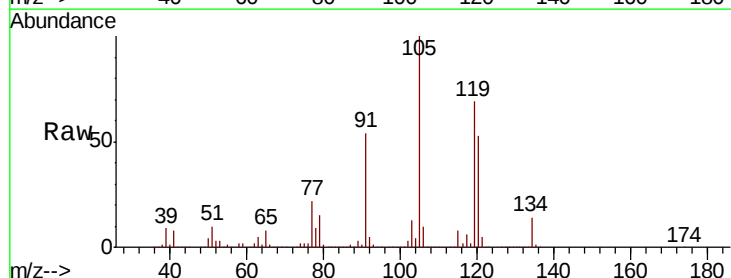
Ion Ratio Lower Upper

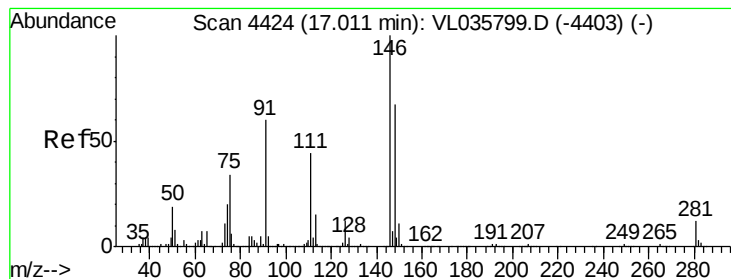
105 100

120 53.1 42.0 63.0

91 53.7 41.0 61.6

77 22.0 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 6.787 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampled :

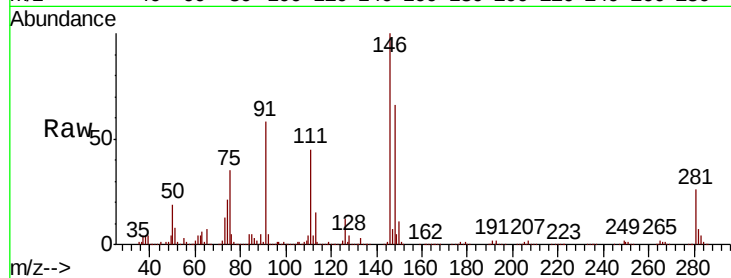
Tot Ion:146 Resp: 2838962

Ion Ratio Lower Upper

146 100

111 44.5 21.8 65.4

148 64.7 32.5 97.5

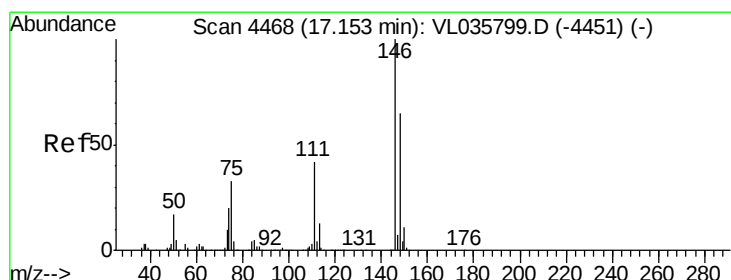
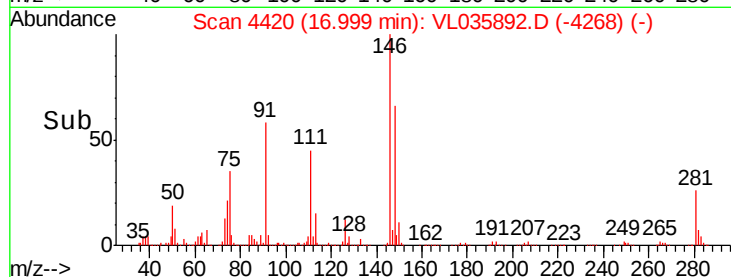
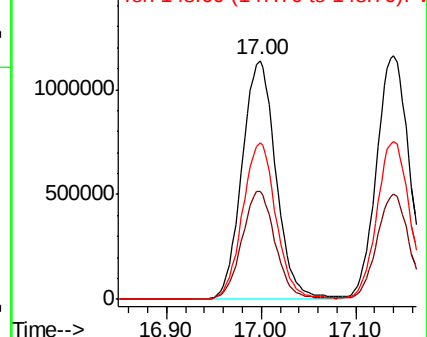


Abundance

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: 6.869 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

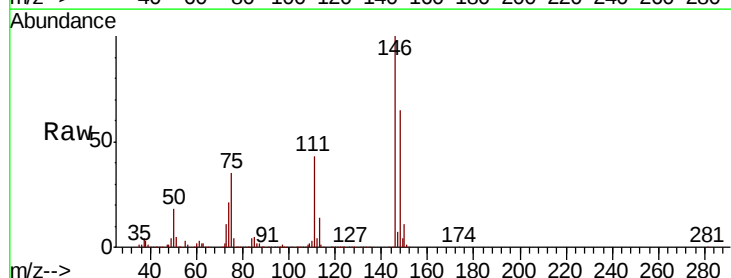
Tgt Ion:146 Resp: 2772000

Ion Ratio Lower Upper

146 100

111 43.9 21.3 63.7

148 66.8 33.0 99.0

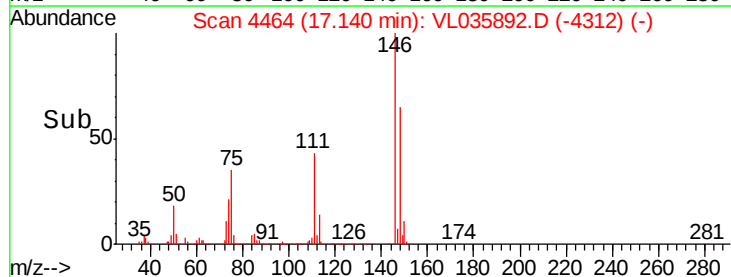
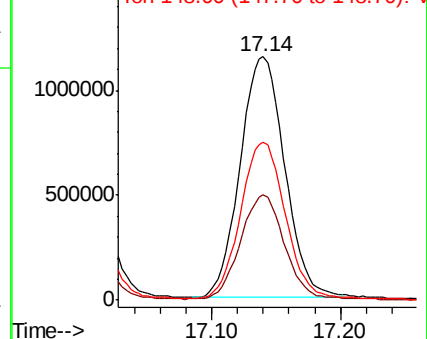


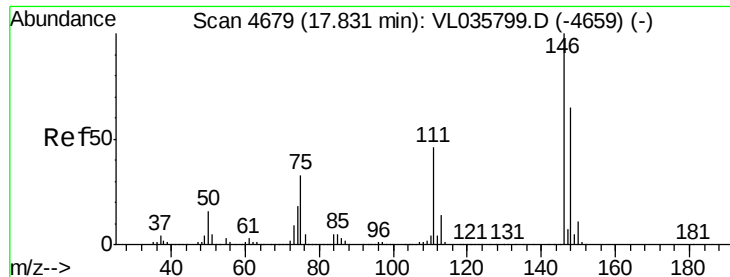
Abundance

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

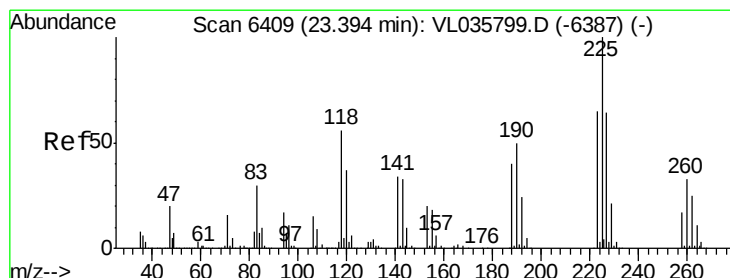
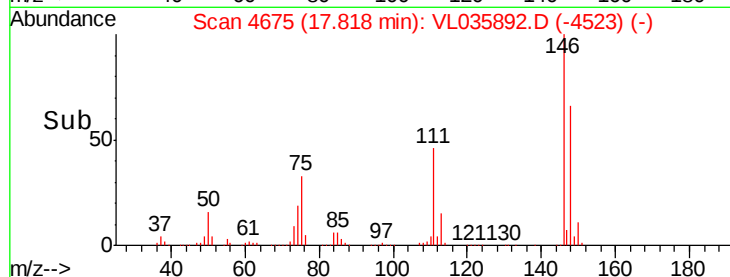
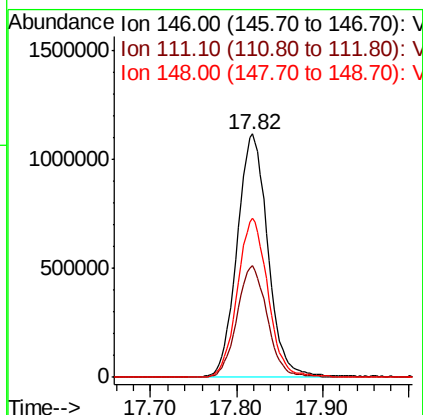
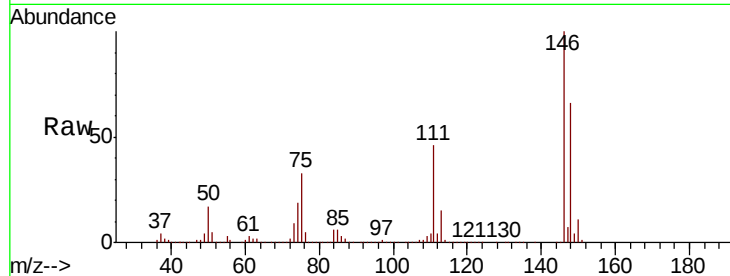




#77
 1,2-Dichlorobenzene
 Concen: 6.752 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

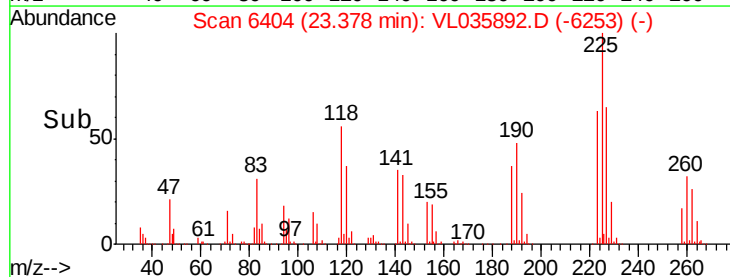
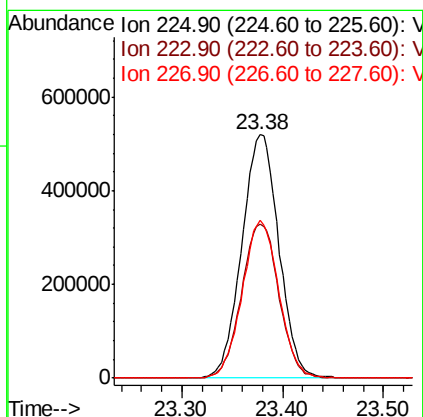
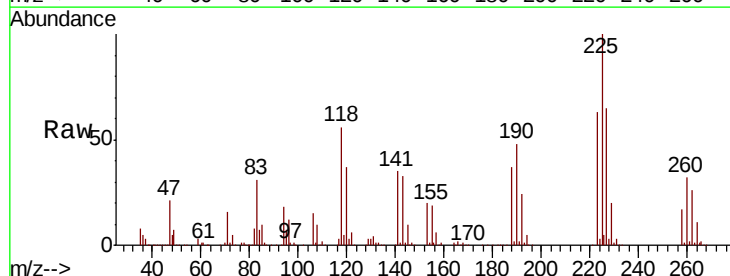
Instrument :
 MSVOA_L
 ClientSampled :

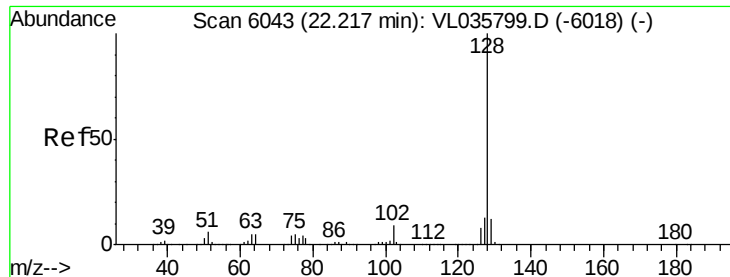
Tot Ion:146 Resp: 2753370
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.4 67.0
 148 65.2 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.956 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.02 min
 Lab File: VL035892.D
 Acq: 10 Nov 2020 15:49

Tgt Ion:225 Resp: 1323537
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.0 76.6
 227 64.0 51.2 76.8

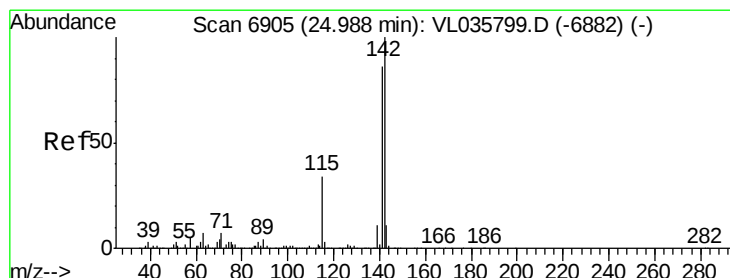
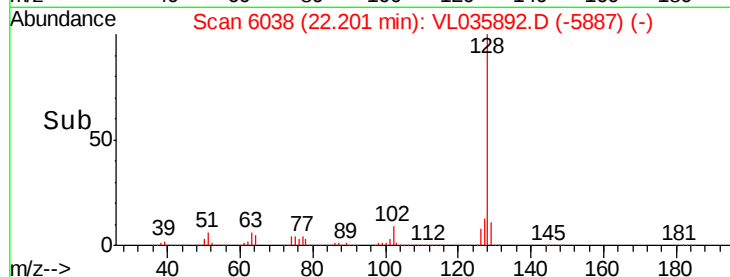
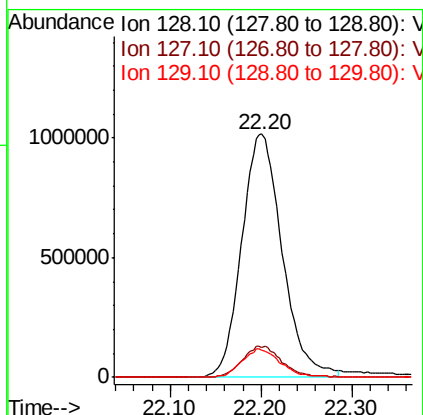
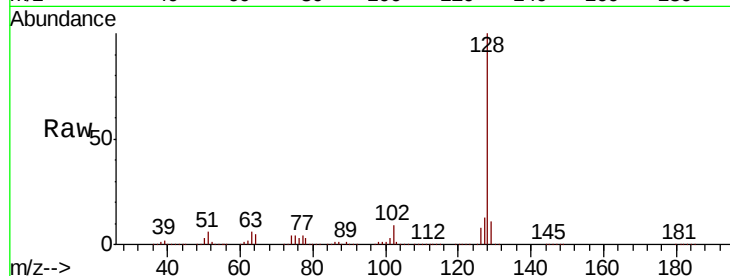




#79
Naphthalene
Concen: 6.863 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. -0.02 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

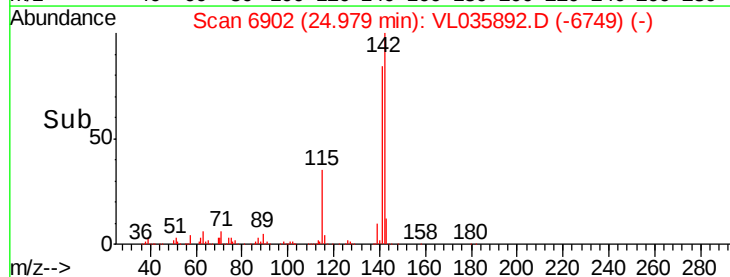
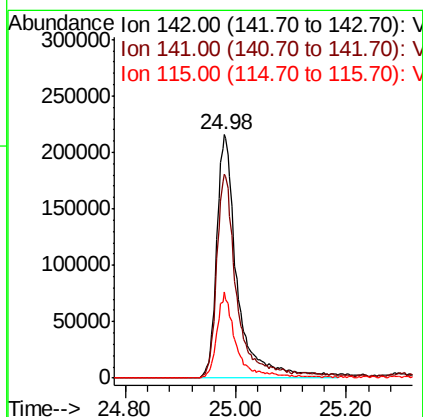
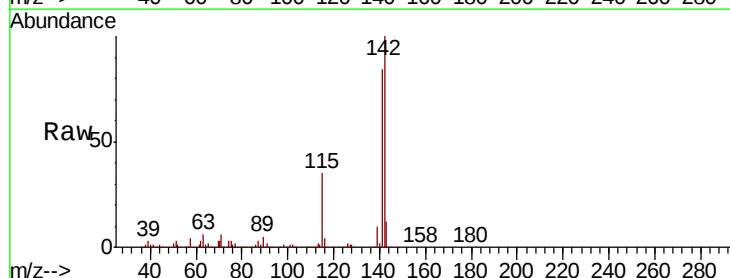
Instrument :
MSVOA_L
ClientSampled :

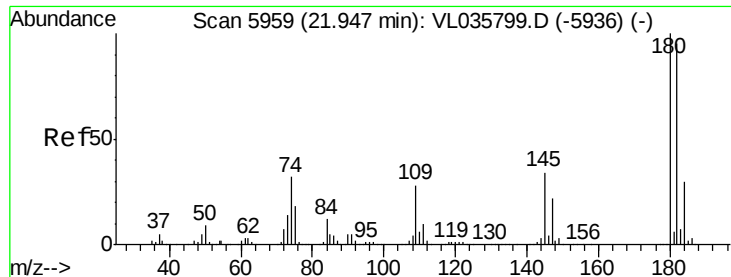
Tot Ion:128 Resp: 3143064
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 11.3 9.2 13.8



#80
Naphthalene, 2-methyl-
Concen: 7.508 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.01 min
Lab File: VL035892.D
Acq: 10 Nov 2020 15:49

Tgt Ion:142 Resp: 560371
Ion Ratio Lower Upper
142 100
141 84.8 67.8 101.8
115 33.6 28.1 42.1





#81

1,2,4-Trichlorobenzene

Concen: 6.709 ppbv

RT: 21.93 min Scan# 5953

Delta R.T. -0.02 min

Lab File: VL035892.D

Acq: 10 Nov 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

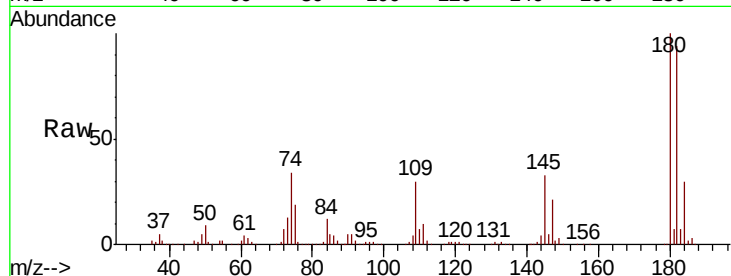
Tot Ion:180 Resp: 1716645

Ion Ratio Lower Upper

180 100

182 98.0 77.2 115.8

184 30.9 24.7 37.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

