

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035806.D
 Acq On : 3 Nov 2020 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 04 05:14:09 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	1339011	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	6052721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	7028570	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	4057778	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2204054	8.743	ppbv 99
3) Chlorodifluoromethane	2.98	51	1420226	8.857	ppbv 98
4) Chloromethane	3.13	50	704185	9.040	ppbv 99
5) Vinyl Chloride	3.25	62	944619	9.513	ppbv 100
6) Bromomethane	3.46	94	788544	9.874	ppbv 99
7) Chloroethane	3.55	64	345007	9.872	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2581569	8.948	ppbv 100
9) Propene	3.00	41	535270	9.120	ppbv 99
10) Heptane	8.12	43	1460213	9.008	ppbv 95
11) Trichlorofluoromethane	3.94	101	2685929	8.485	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2051261	8.703	ppbv 95
13) Ethanol	3.60	45	143845	11.297	ppbv 96
14) Bromoethene	3.73	108	1034385	9.537	ppbv 99
15) Acetone	3.84	43	1193626	8.338	ppbv 97
16) 1,3-Butadiene	3.31	39	554808	9.002	ppbv 94
17) tert-Butyl alcohol	4.29	59	2146178	11.313	ppbv 100
18) 1,1-Dichloroethene	4.28	96	1016767	9.396	ppbv 98
19) Isopropyl Alcohol	3.96	45	1013230	11.518	ppbv # 95
20) Methylene Chloride	4.33	84	832563	8.262	ppbv 98
21) Allyl Chloride	4.40	41	759045	9.805	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	1012024	9.226	ppbv 96
23) Vinyl Acetate	5.07	43	1795579	8.948	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1759151	9.202	ppbv 99
25) Ethyl Acetate	5.67	43	2469510	8.757	ppbv 98
26) Hexane	5.68	57	1402557	9.018	ppbv 95
27) Carbon Disulfide	4.54	76	2310989	9.917	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2660864	9.527	ppbv 98
29) Chloroform	5.75	83	2798505	9.155	ppbv 100
30) Cyclohexane	7.12	84	1685008	9.947	ppbv 91
31) cis-1,2-Dichloroethene	5.54	61	1513097	9.457	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	2818973	8.837	ppbv 99
34) 2-Butanone	5.24	43	1585288	8.070	ppbv 93
35) Carbon Tetrachloride	7.01	117	2787147	8.618	ppbv 99
36) Benzene	6.89	78	3906496	8.681	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1747999	8.575	ppbv 97
38) Trichloroethene	7.83	130	1832474	8.337	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1296916	8.561	ppbv 94
40) 1,4-Dioxane	7.83	88	698712	9.731	ppbv 68
41) Tetrahydrofuran	6.04	42	953816	8.547	ppbv 88
42) Bromodichloromethane	7.79	83	3093893	8.995	ppbv 99
43) Methyl Methacrylate	8.01	69	1597121	9.305	ppbv 90

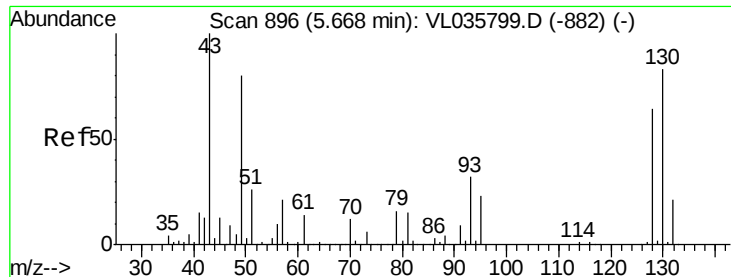
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035806.D
 Acq On : 3 Nov 2020 15:15
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Quant Time: Nov 04 05:14:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: 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	4792225	8.048	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1881422	10.340	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	2236204	9.705	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1800572	8.723	ppbv	99
48) Dibromochloromethane	10.30	129	2914767	9.243	ppbv	99
49) Bromoform	13.04	173	2488325	9.351	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2435271	8.107	ppbv	93
51) 2-Hexanone	10.13	43	2067962	8.570	ppbv #	93
52) Tetrachloroethene	11.22	164	1690404	7.929	ppbv	96
53) Toluene	9.80	91	4778221	8.800	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2813708	8.963	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	2236544	7.090	ppbv	98
57) Chlorobenzene	12.15	112	3875380	6.935	ppbv	100
58) Ethyl Benzene	12.71	91	6029734	7.044	ppbv	96
59) m/p-Xylene	13.00	91	5304377	7.324	ppbv #	32
60) o-Xylene	13.69	91	4784994	6.792	ppbv	98
61) Styrene	13.53	104	4026741	7.800	ppbv	98
62) Isopropylbenzene	14.67	105	7262534	6.558	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	3374457	6.181	ppbv	100
64) n-propylbenzene	15.56	120	2279086	7.120	ppbv	89
65) tert-Butylbenzene	16.75	119	6512029	6.461	ppbv	97
66) Benzyl Chloride	16.99	91	2854523	8.568	ppbv	96
67) sec-Butylbenzene	17.30	105	8611418	6.340	ppbv	97
69) p-Isopropyltoluene	17.66	119	7400900	6.603	ppbv	98
70) n-Butylbenzene	18.55	91	7148513	6.622	ppbv	97
71) 2-Chlorotoluene	15.46	91	5577155	6.886	ppbv	96
72) 4-Ethyltoluene	15.84	105	5941101	6.953	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	5436932	6.953	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	5457032	6.513	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3604663	6.757	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3619697	7.033	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3567260	6.859	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1626864	6.704	ppbv	100
79) Naphthalene	22.20	128	5202383	8.907	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1560503	16.394	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2573500	7.886	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: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

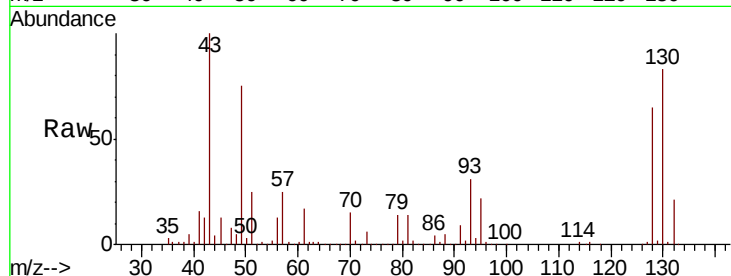
Tot Ion: 49 Resp: 1339011

Ion Ratio Lower Upper

49 100

128 92.3 41.5 124.6

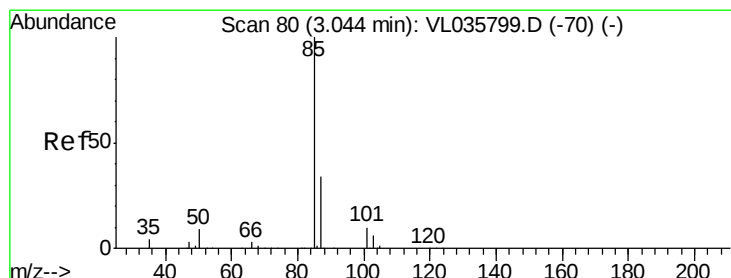
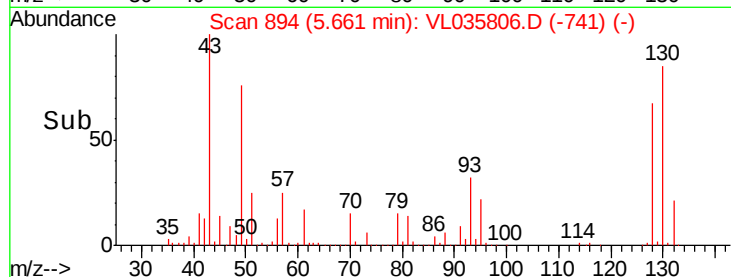
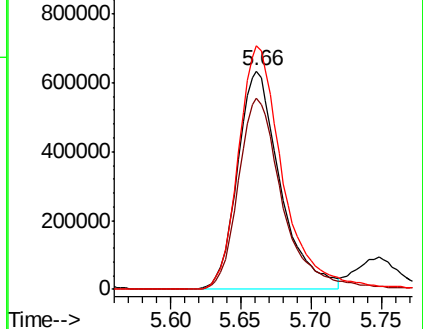
130 117.6 53.7 161.1



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: 8.743 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035806.D

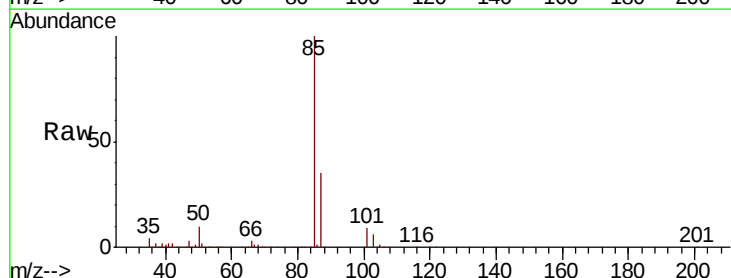
Acq: 3 Nov 2020 15:15

Tgt Ion: 85 Resp: 2204054

Ion Ratio Lower Upper

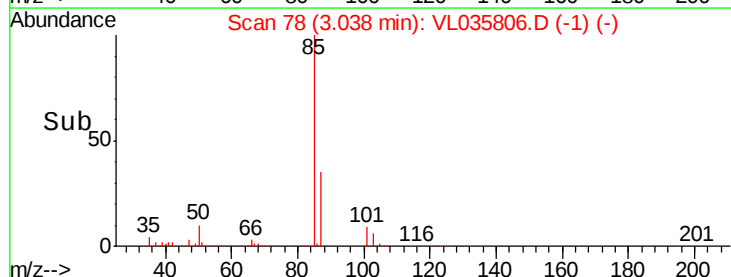
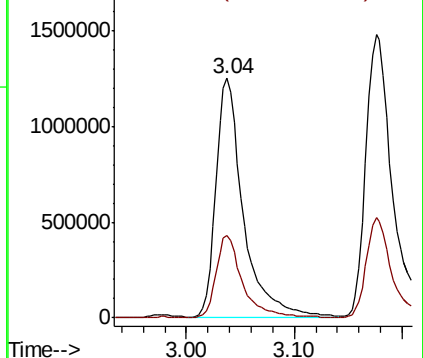
85 100

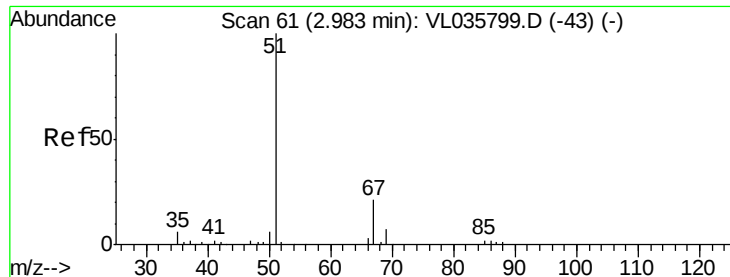
87 34.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.857 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

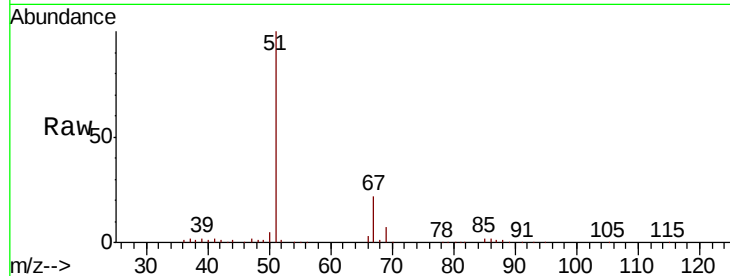
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1420226

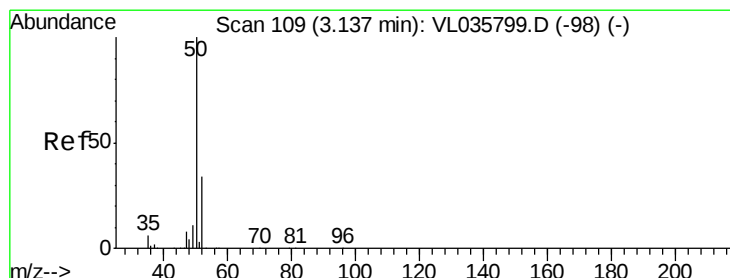
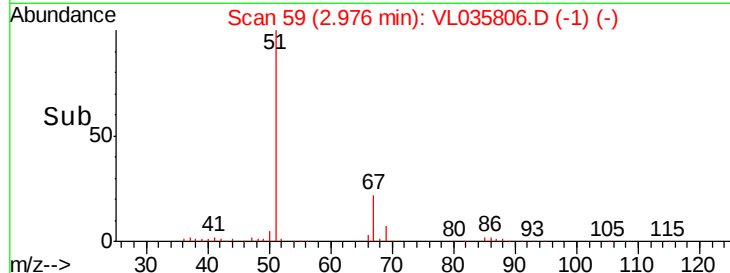
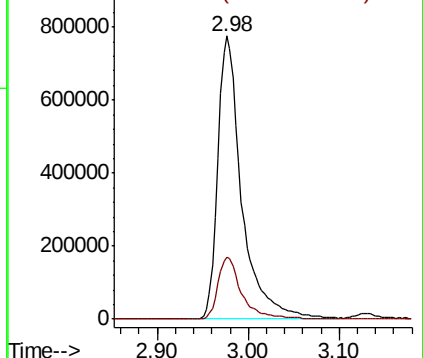
Ion Ratio Lower Upper

51 100

67 22.1 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: 9.040 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035806.D

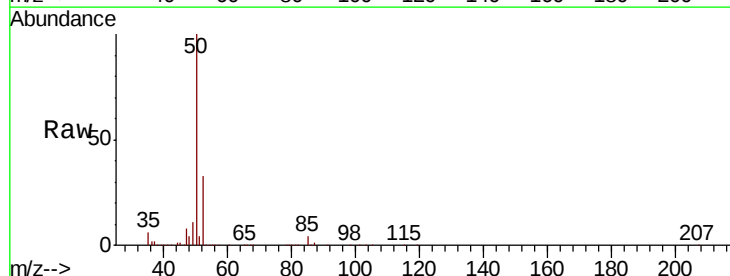
Acq: 3 Nov 2020 15:15

Tgt Ion: 50 Resp: 704185

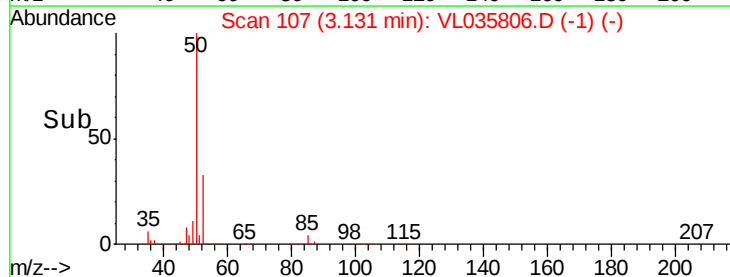
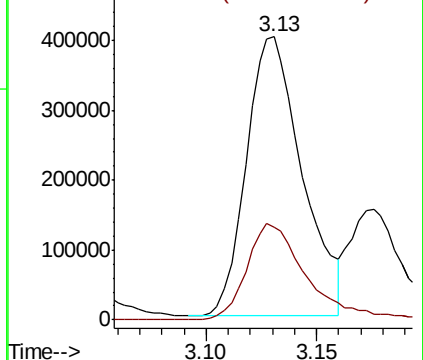
Ion Ratio Lower Upper

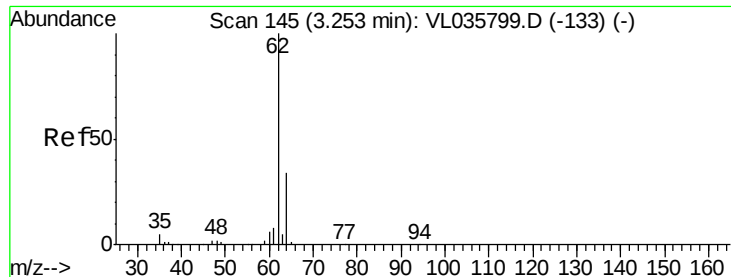
50 100

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: 9.513 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

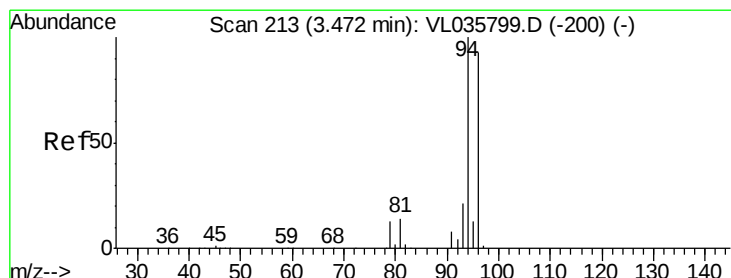
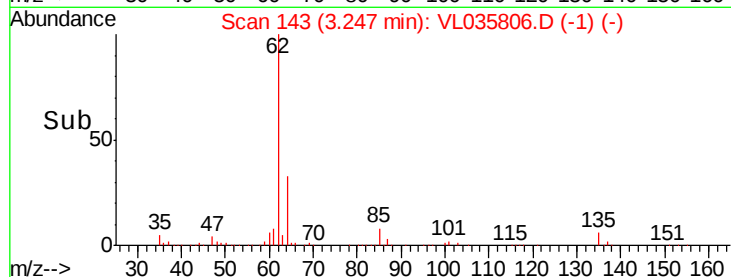
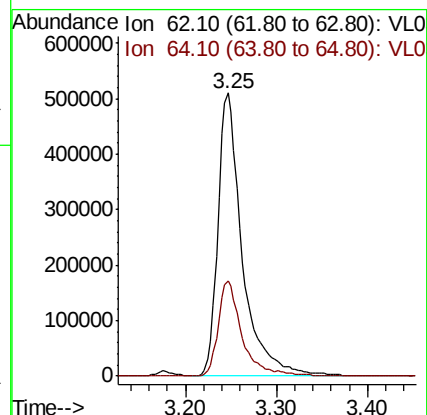
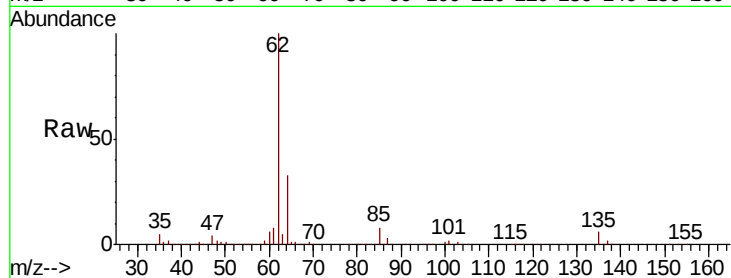
ClientSampleId :

Tot Ion: 62 Resp: 944619

Ion Ratio Lower Upper

62 100

64 33.5 26.9 40.3



#6

Bromomethane

Concen: 9.874 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035806.D

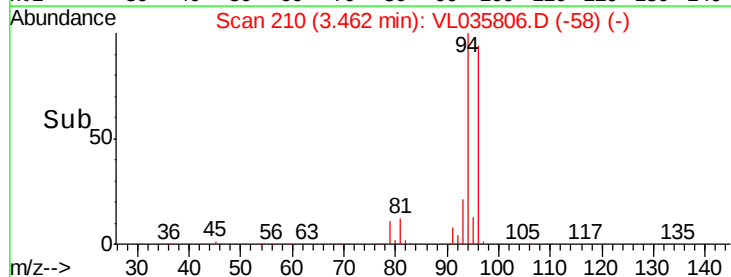
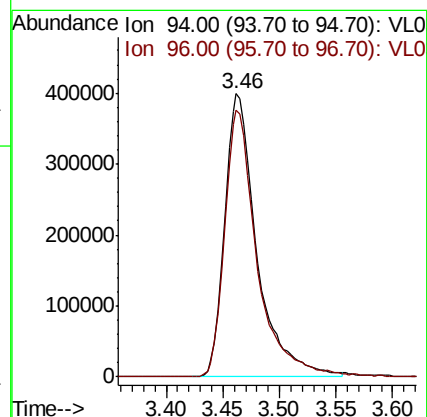
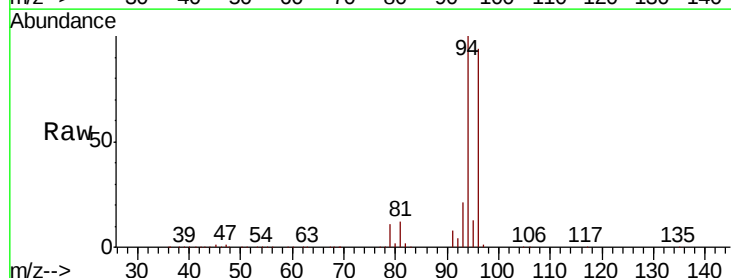
Acq: 3 Nov 2020 15:15

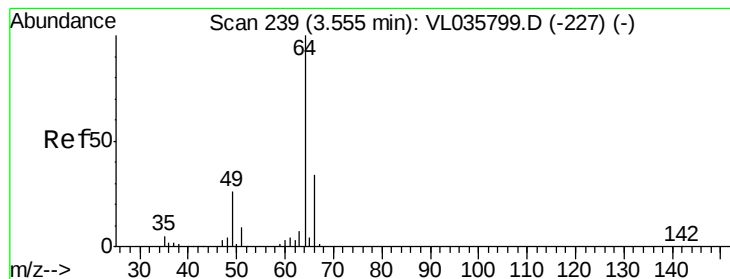
Tgt Ion: 94 Resp: 788544

Ion Ratio Lower Upper

94 100

96 94.3 74.6 111.8





#7

Chloroethane

Concen: 9.872 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

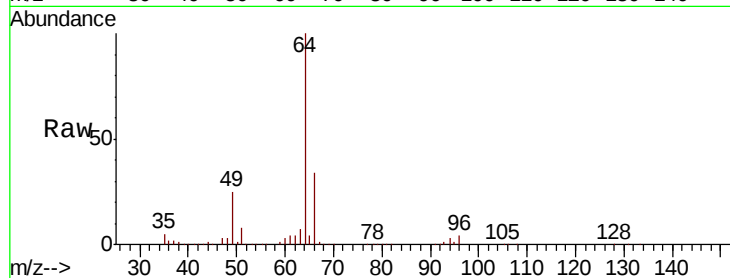
ClientSampleId :

Tot Ion: 64 Resp: 345007

Ion Ratio Lower Upper

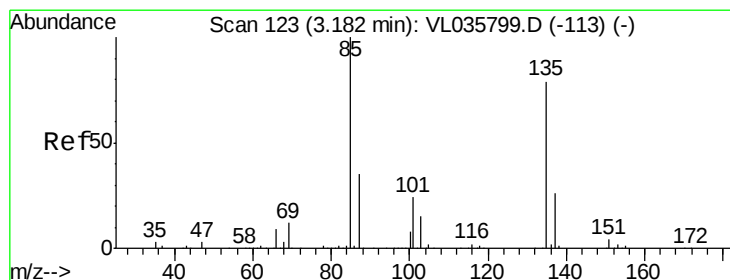
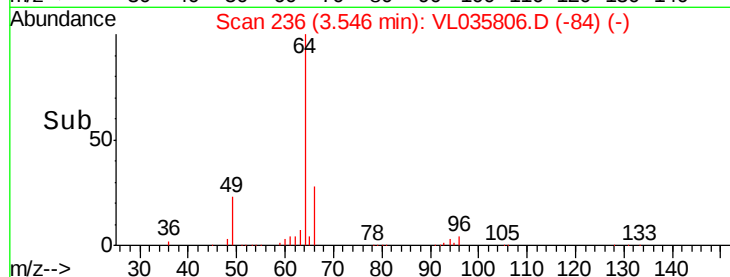
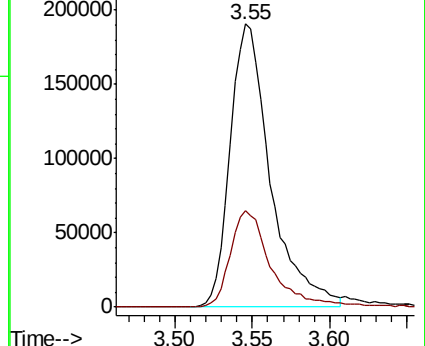
64 100

66 34.3 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.948 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035806.D

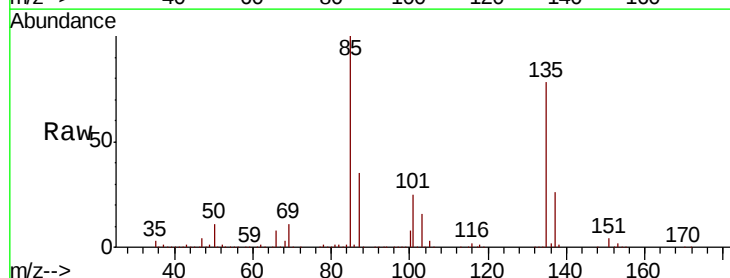
Acq: 3 Nov 2020 15:15

Tgt Ion: 85 Resp: 2581569

Ion Ratio Lower Upper

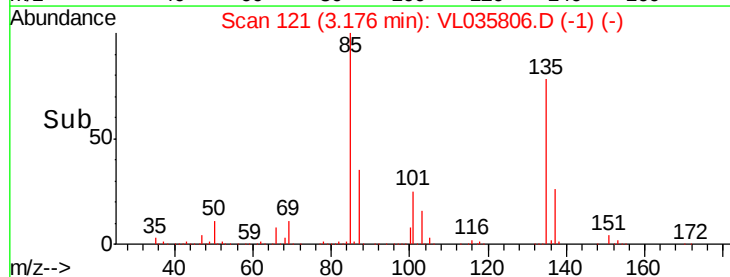
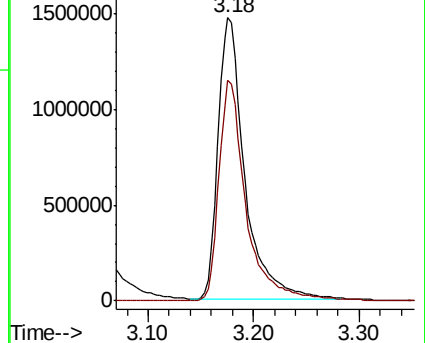
85 100

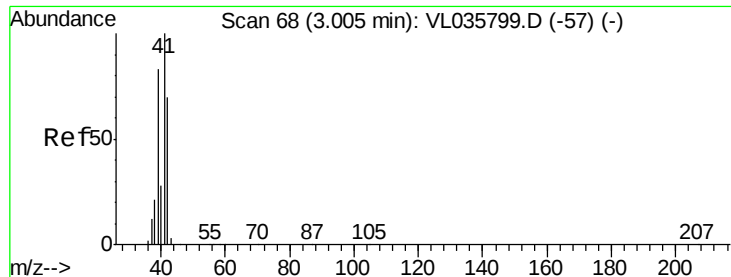
135 80.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.120 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

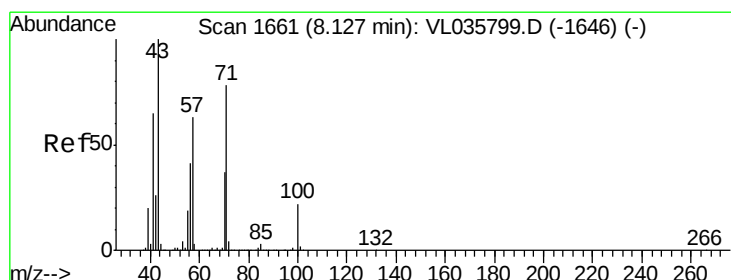
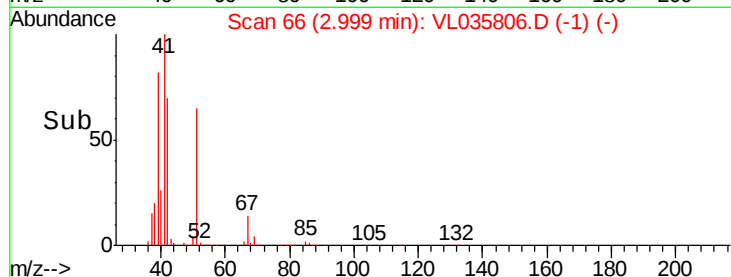
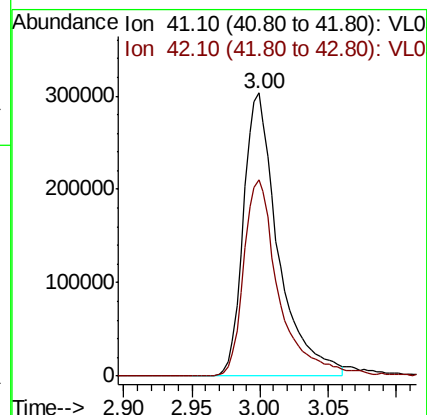
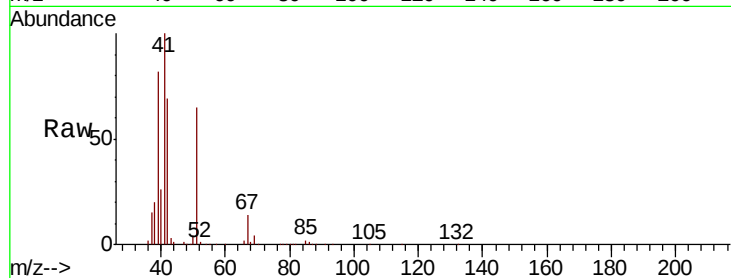
ClientSampleId :

Tot Ion: 41 Resp: 535270

Ion Ratio Lower Upper

41 100

42 71.3 56.2 84.4



#10

Heptane

Concen: 9.008 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035806.D

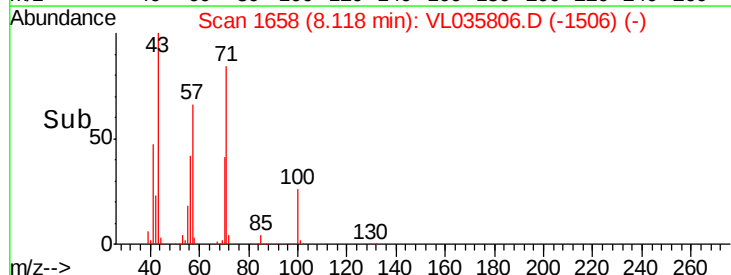
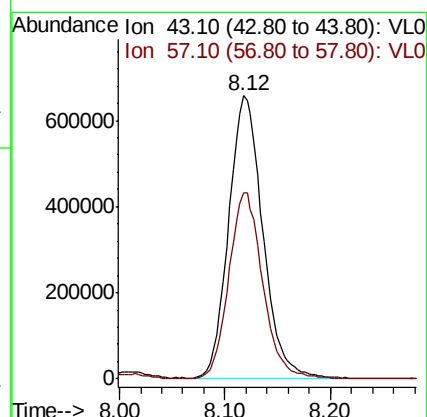
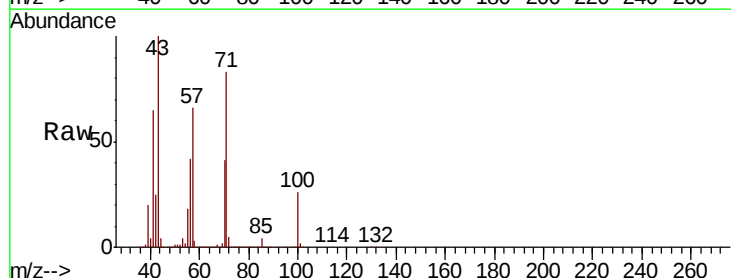
Acq: 3 Nov 2020 15:15

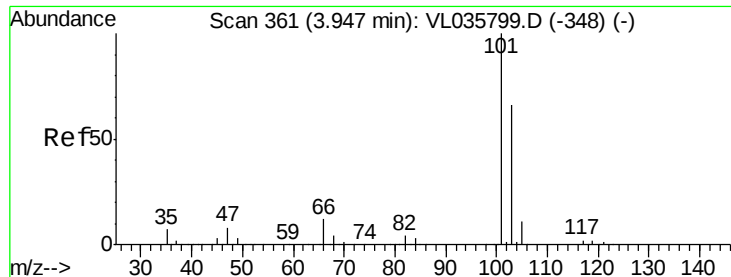
Tgt Ion: 43 Resp: 1460213

Ion Ratio Lower Upper

43 100

57 66.2 50.0 75.0

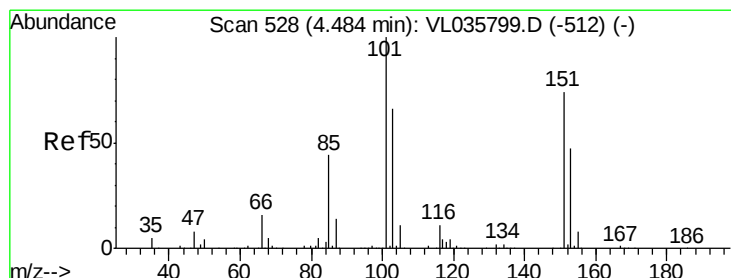
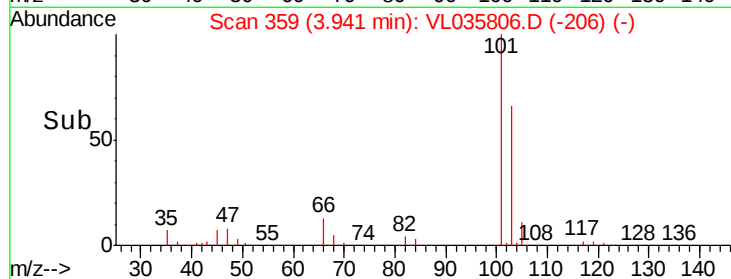
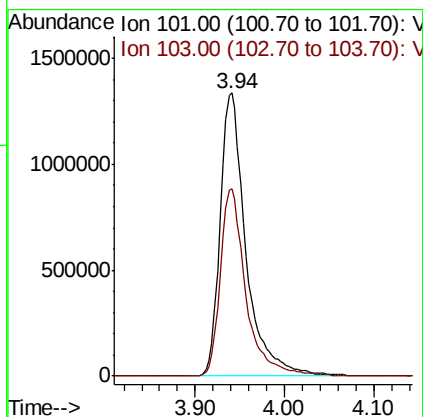
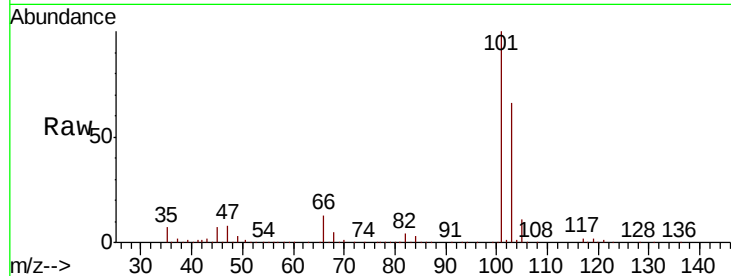




#11
 Trichlorofluoromethane
 Concen: 8.485 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

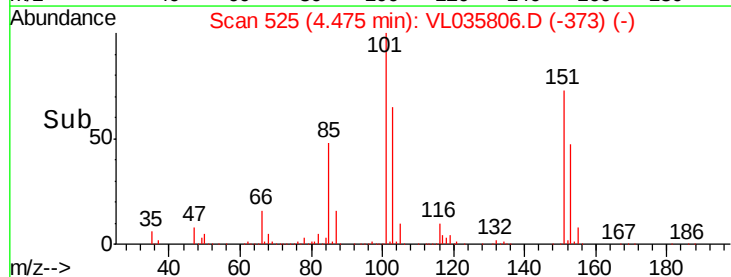
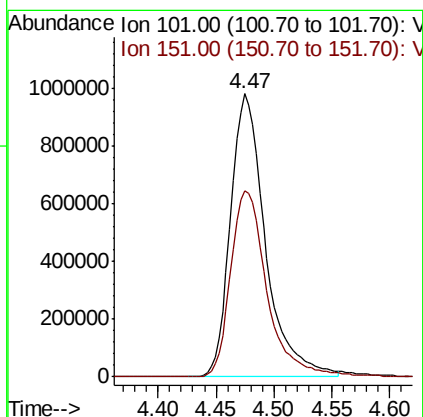
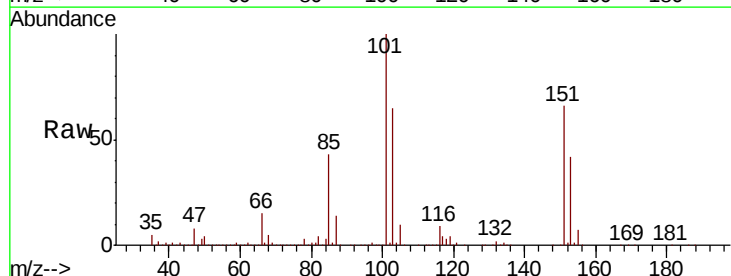
Instrument :
 MSVOA_L
 ClientSampleId :

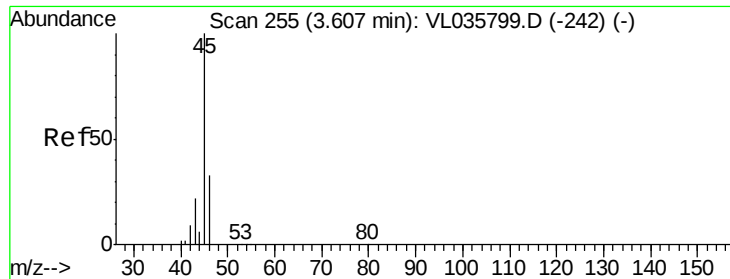
Tot Ion:101 Resp: 2685929
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.703 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion:101 Resp: 2051261
 Ion Ratio Lower Upper
 101 100
 151 69.2 58.9 88.3





#13

Ethanol

Concen: 11.297 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

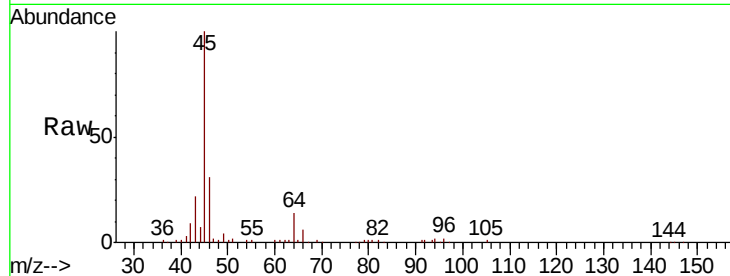
ClientSampleId :

Tot Ion: 45 Resp: 143845

Ion Ratio Lower Upper

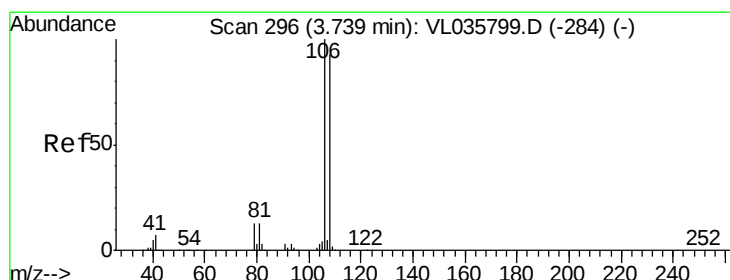
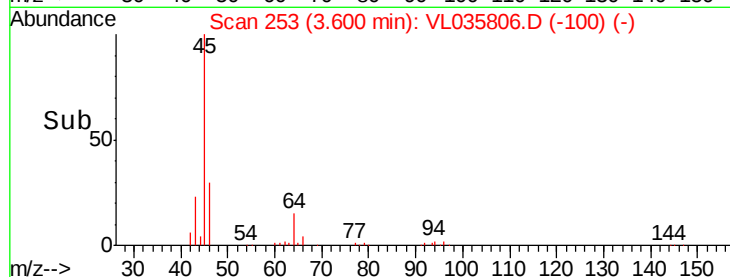
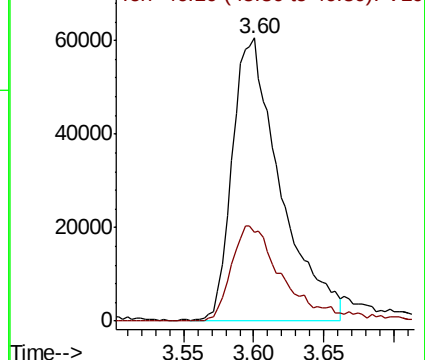
45 100

46 37.6 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: 9.537 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

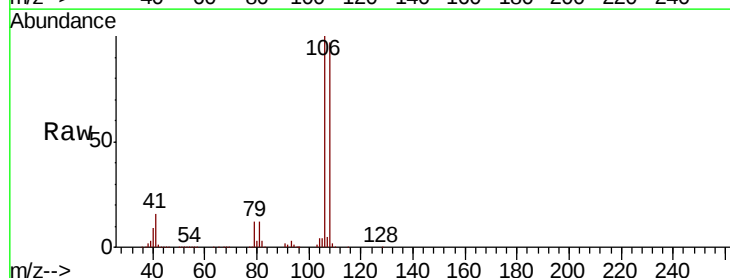
Tgt Ion: 108 Resp: 1034385

Ion Ratio Lower Upper

108 100

106 107.1 85.3 127.9

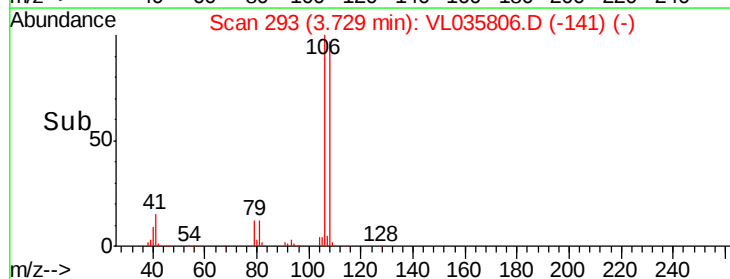
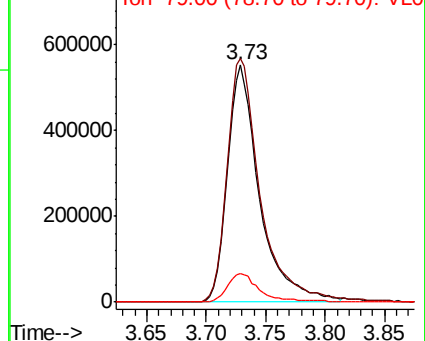
79 12.1 11.6 17.4

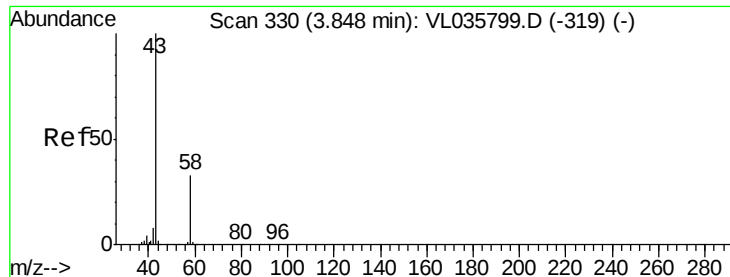


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.338 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

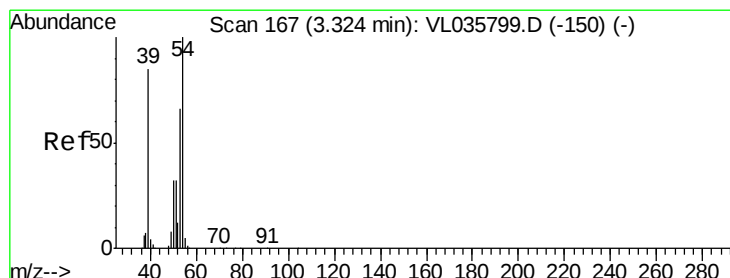
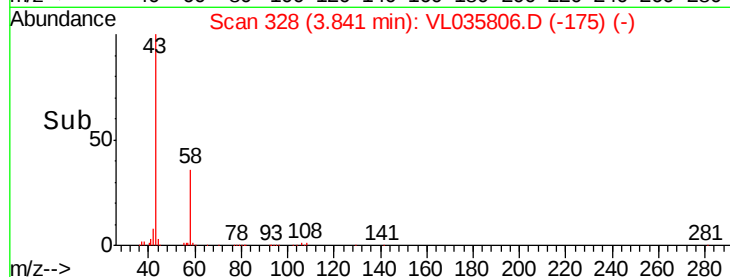
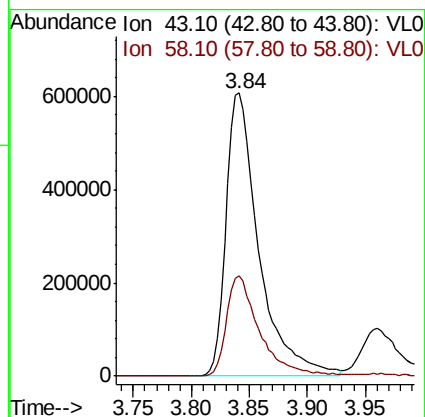
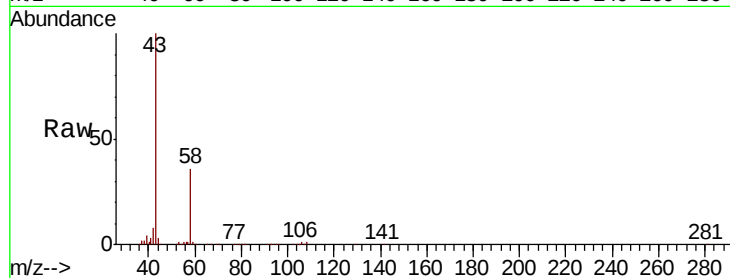
ClientSampleId :

Tot Ion: 43 Resp: 1193626

Ion Ratio Lower Upper

43 100

58 35.9 27.5 41.3



#16

1,3-Butadiene

Concen: 9.002 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL035806.D

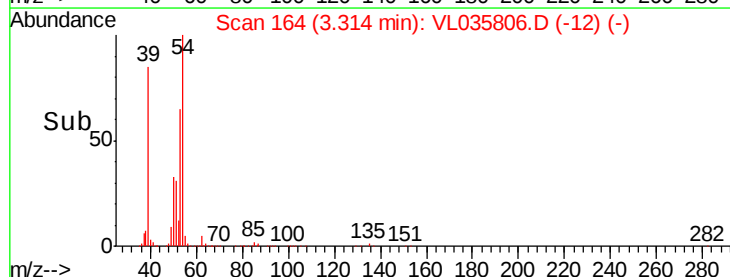
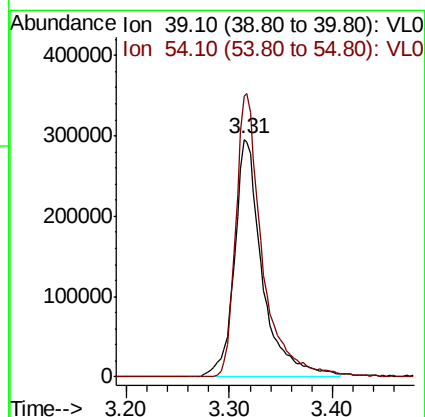
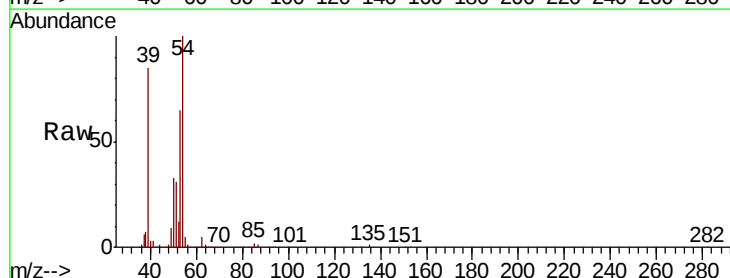
Acq: 3 Nov 2020 15:15

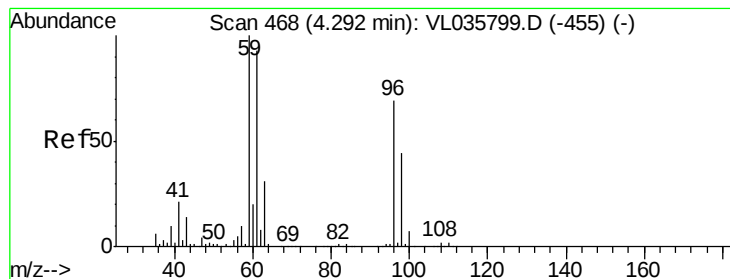
Tgt Ion: 39 Resp: 554808

Ion Ratio Lower Upper

39 100

54 115.4 87.1 130.7





#17

tert-Butyl alcohol

Concen: 11.313 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

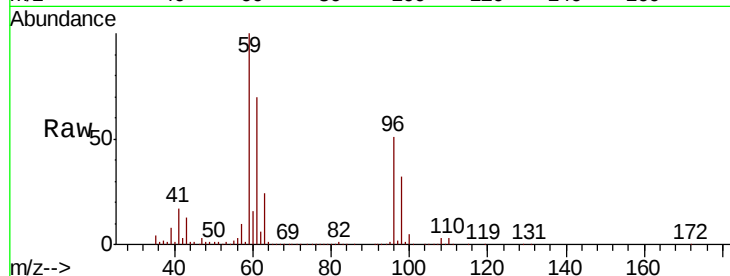
ClientSampled :

Tot Ion: 59 Resp: 2146178

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

600000

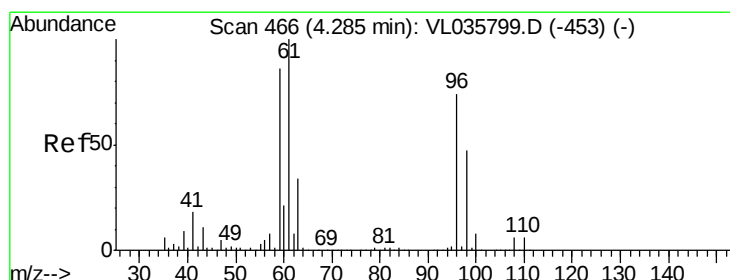
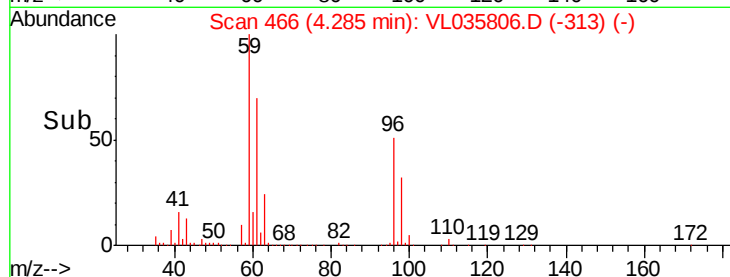
400000

200000

0

Time-->

4.20 4.30 4.40



#18

1,1-Dichloroethene

Concen: 9.396 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

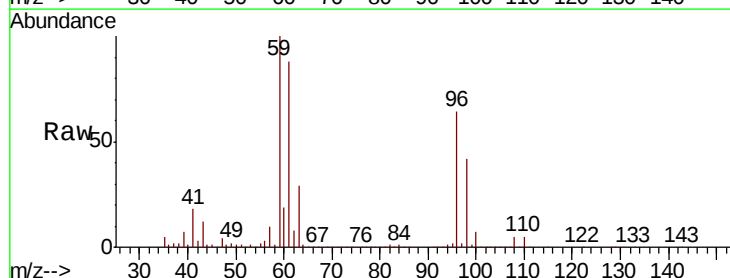
Tgt Ion: 96 Resp: 1016767

Ion Ratio Lower Upper

96 100

61 137.3 108.5 162.7

98 65.8 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

800000

600000

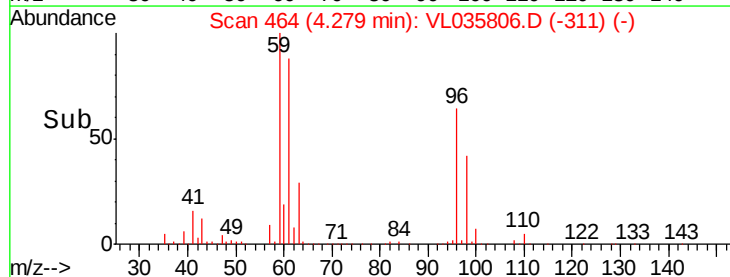
400000

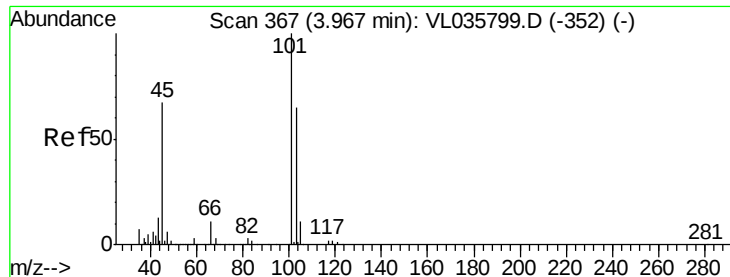
200000

0

Time-->

4.20 4.30 4.40





#19

Isopropyl Alcohol

Concen: 11.518 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

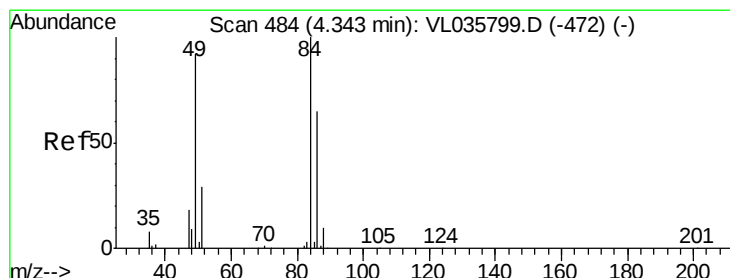
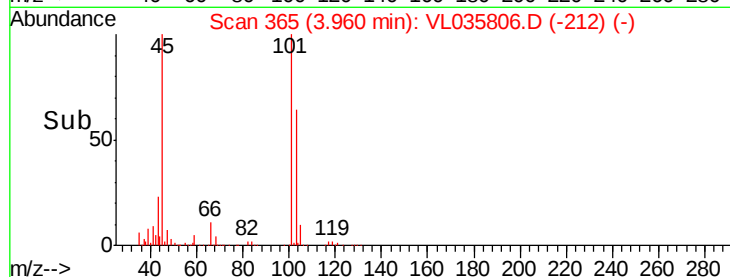
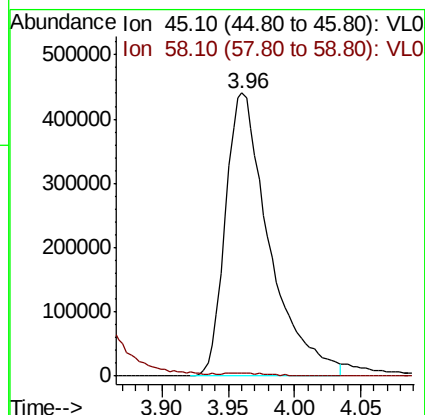
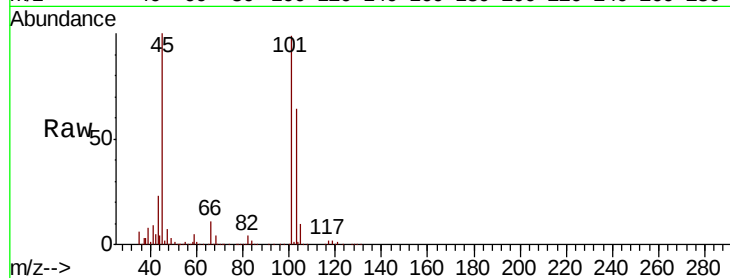
ClientSampleId :

Tot Ion: 45 Resp: 1013230

Ion Ratio Lower Upper

45 100

58 1.7 2.6 3.8#



#20

Methylene Chloride

Concen: 8.262 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion: 84 Resp: 832563

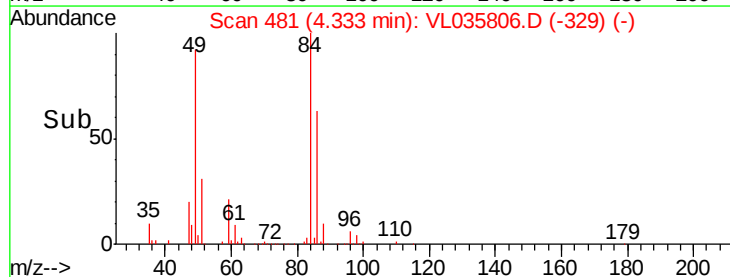
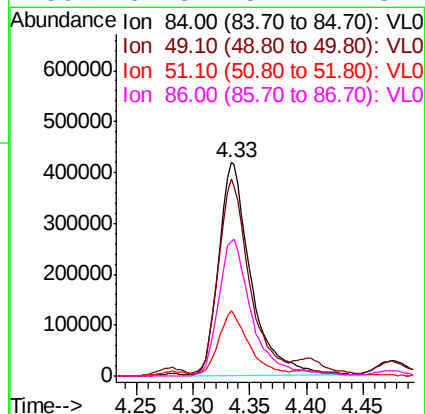
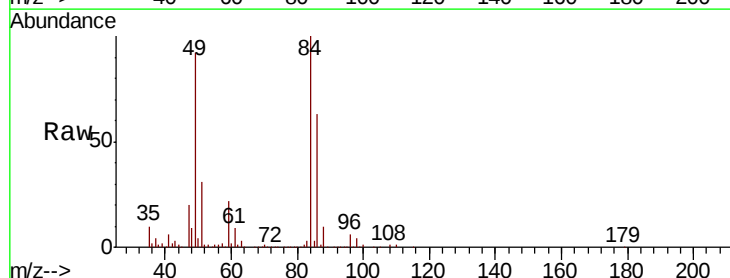
Ion Ratio Lower Upper

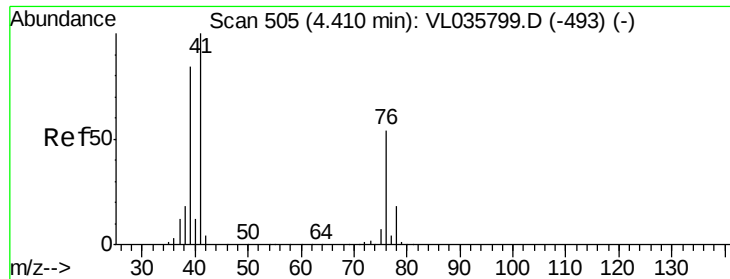
84 100

49 91.4 73.8 110.8

51 30.0 23.0 34.4

86 62.8 52.1 78.1





#21

Allvl Chloride

Concen: 9.805 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.01 min

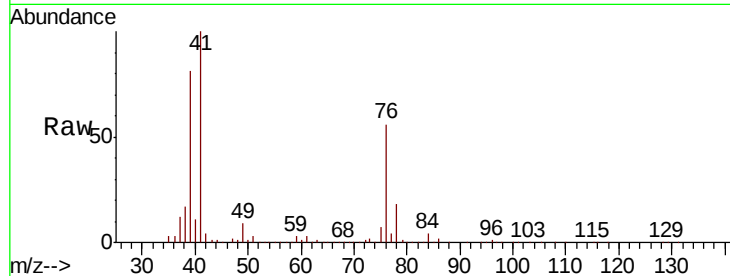
Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 759045

Ion	Ratio	Lower	Upper
41	100		
76	57.5	42.6	63.8
39	82.9	67.0	100.4

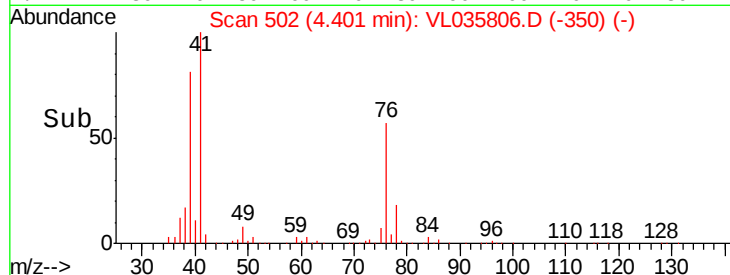


Abundance

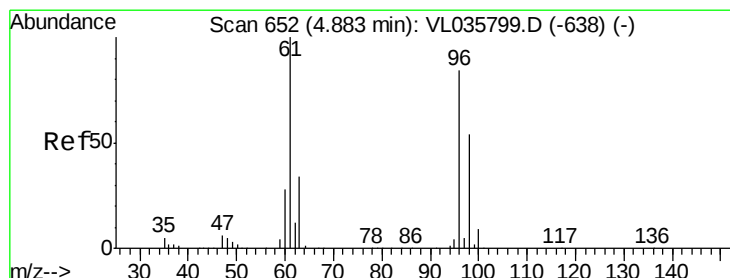
Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



Time-->



#22

trans-1,2-Dichloroethene

Concen: 9.226 ppbv

RT: 4.87 min Scan# 649

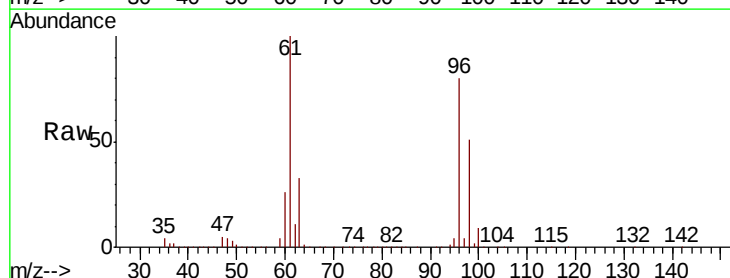
Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion: 96 Resp: 1012024

Ion	Ratio	Lower	Upper
96	100		
61	124.7	95.4	143.0
98	63.6	51.8	77.6

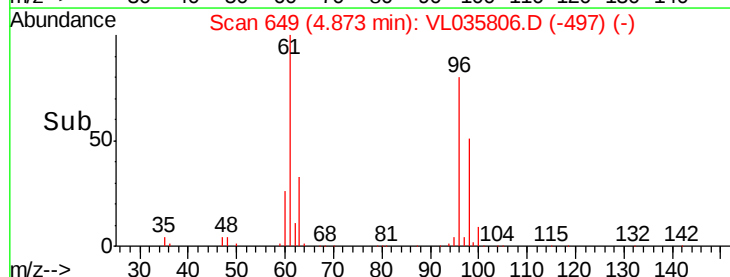


Abundance

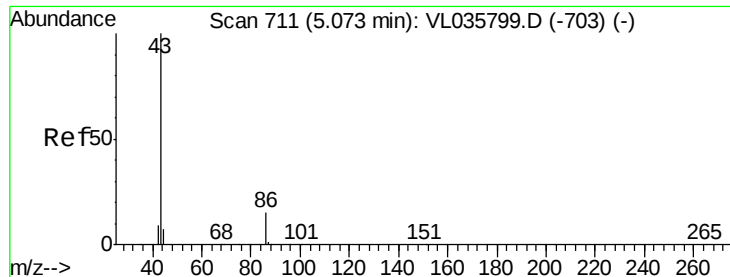
Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->

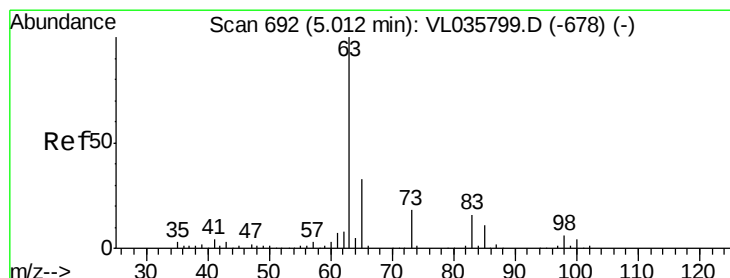
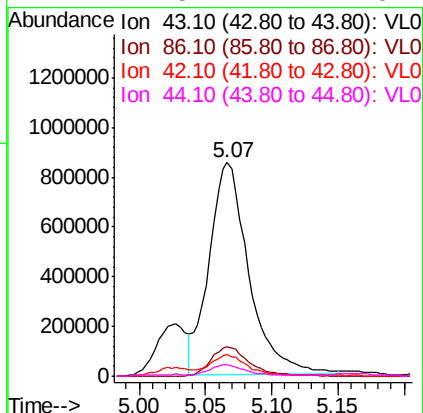
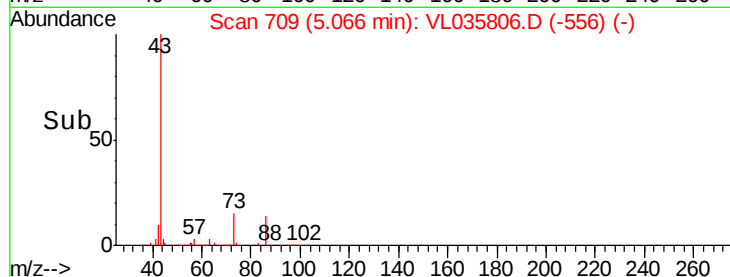
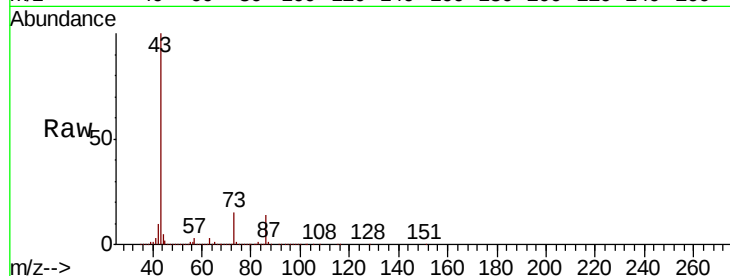


#23
 Vinyl Acetate
 Concen: 8.948 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1795579

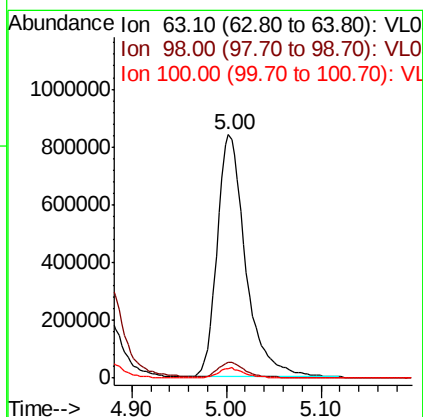
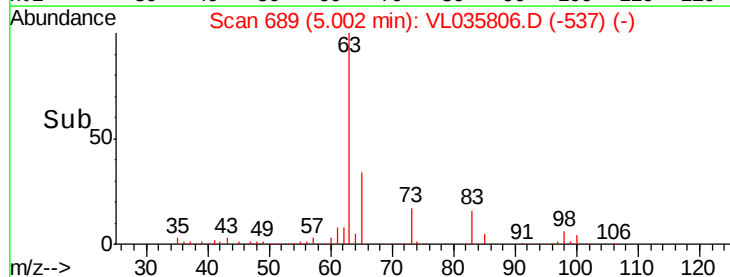
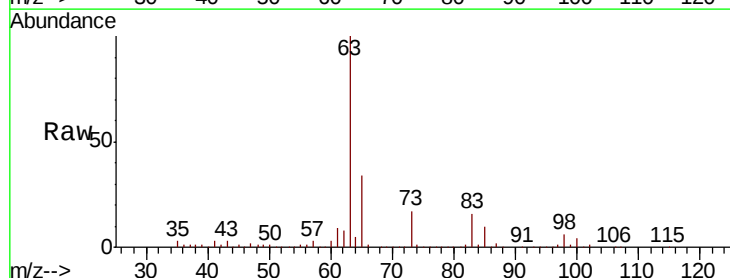
Ion	Ratio	Lower	Upper
43	100		
86	13.7	9.8	14.6
42	10.0	8.1	12.1
44	4.5	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 9.202 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 63 Resp: 1759151

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	3.9	1.8	5.4



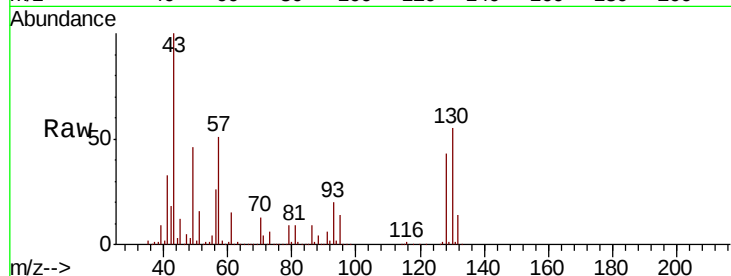


#25
Ethyl Acetate
Concen: 8.757 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2469510

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.5	12.7
61	14.4	10.7	16.1
70	12.0	8.6	12.8



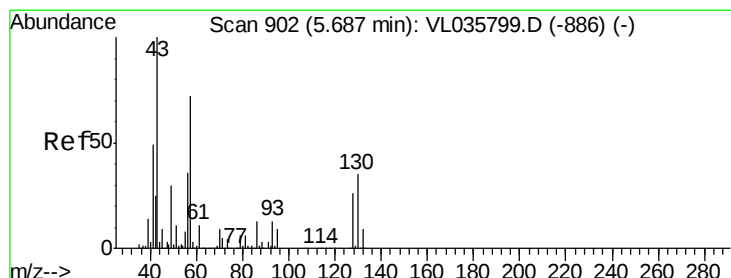
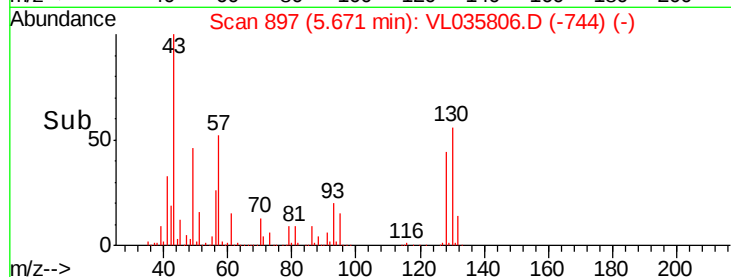
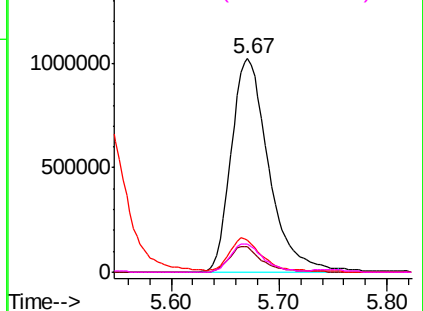
Abundance

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

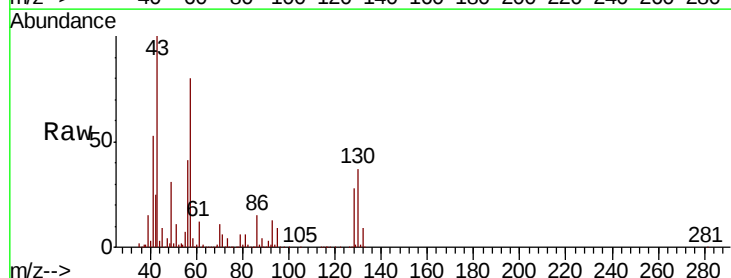
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.018 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 57 Resp: 1402557

Ion	Ratio	Lower	Upper
57	100		
41	69.0	58.9	88.3
43	178.5	150.2	225.2
56	52.1	42.4	63.6



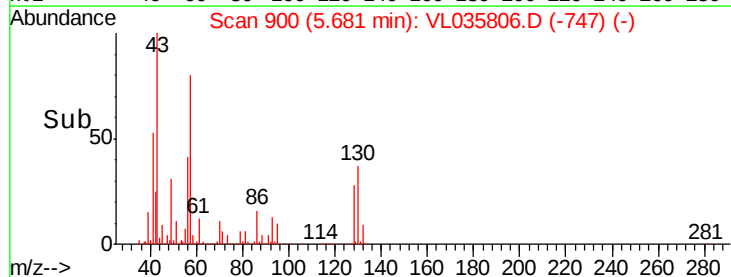
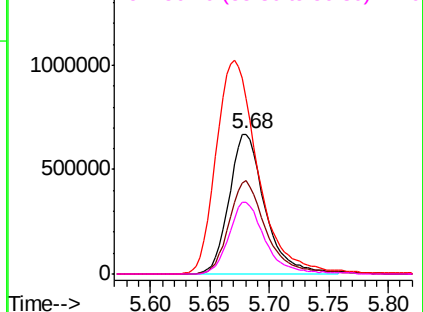
Abundance

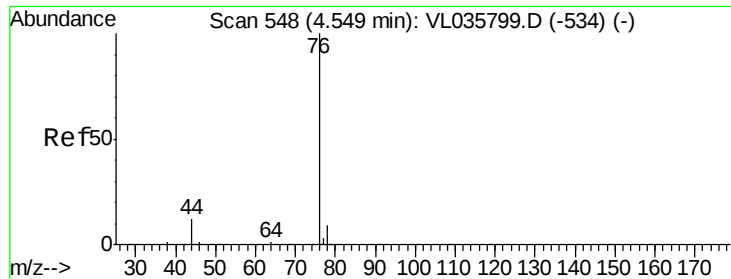
Ion 57.10 (56.80 to 57.80): VL0

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: 9.917 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampled :

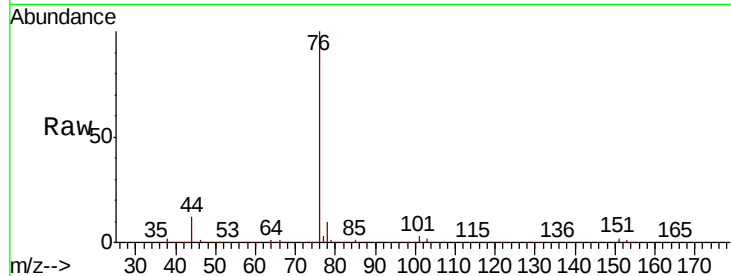
Tot Ion: 76 Resp: 2310989

Ion Ratio Lower Upper

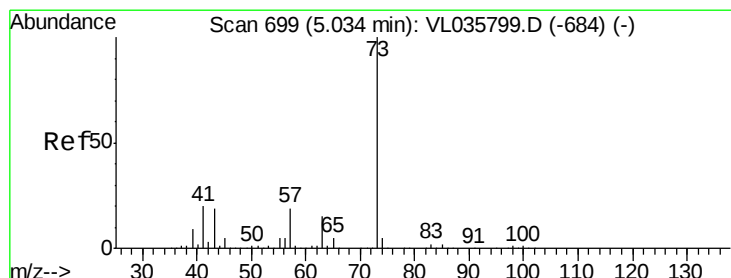
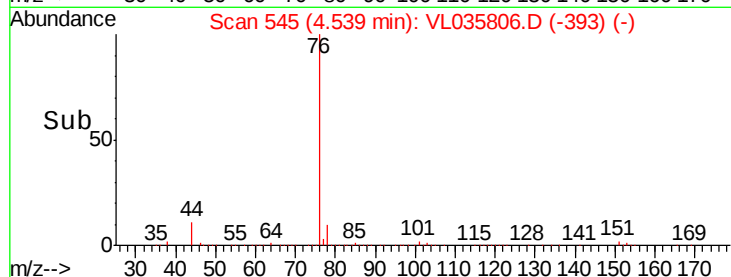
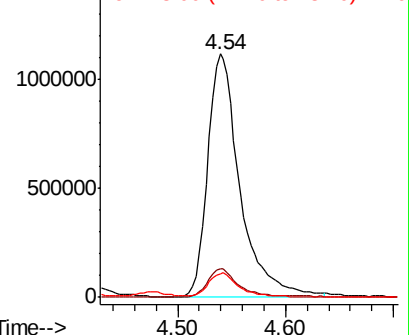
76 100

44 11.6 9.9 14.9

78 10.2 8.1 12.1



Abundance Ion 76.00 (75.70 to 76.70): VL0
1500000 Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.527 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL035806.D

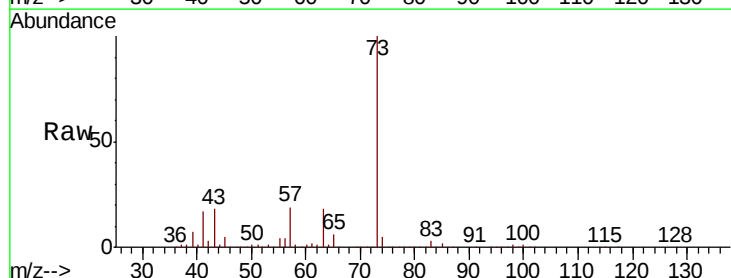
Acq: 3 Nov 2020 15:15

Tgt Ion: 73 Resp: 2660864

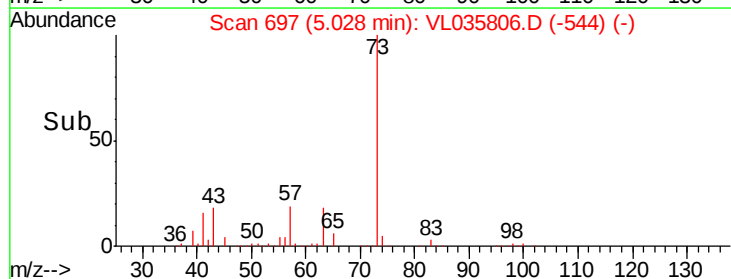
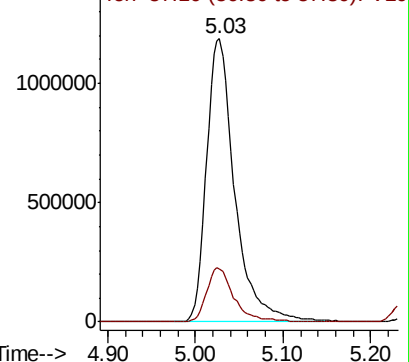
Ion Ratio Lower Upper

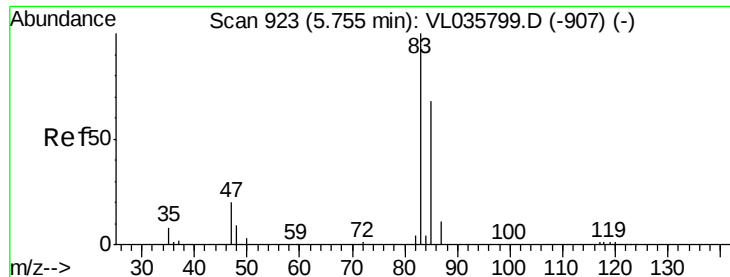
73 100

57 18.6 15.4 23.2



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

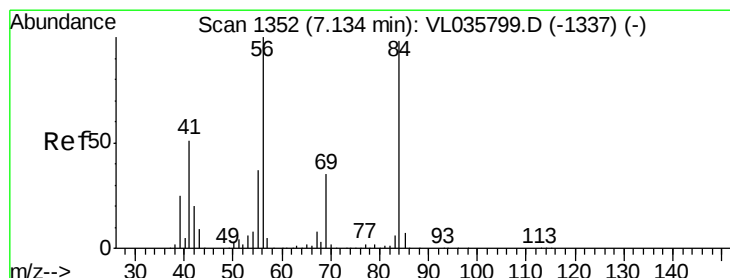
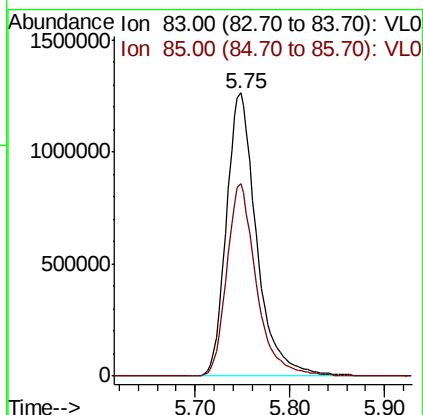
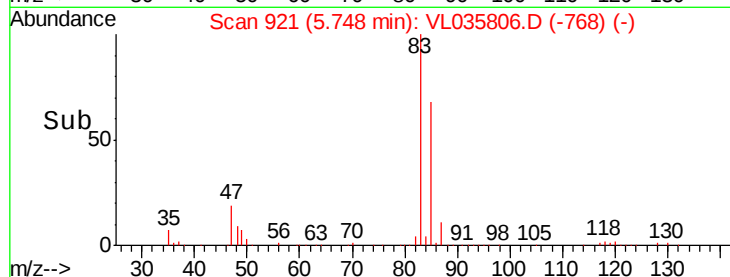
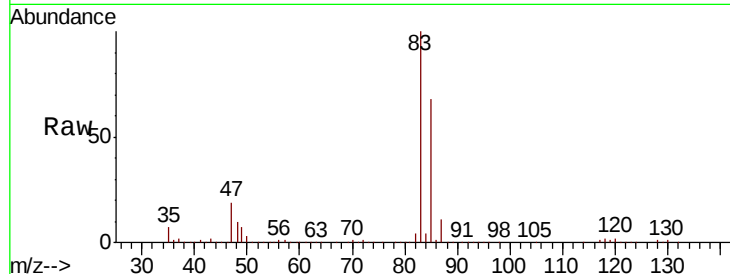




#29
Chloroform
Concen: 9.155 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

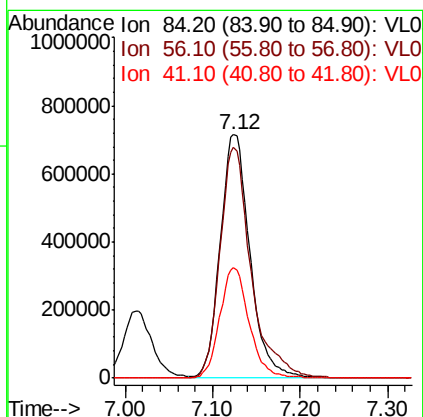
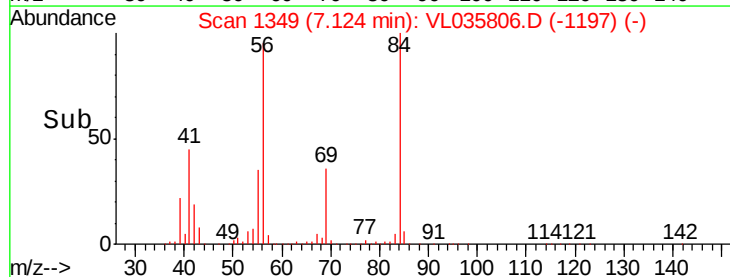
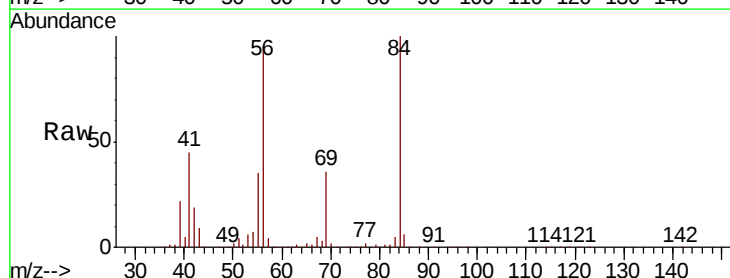
Instrument :
MSVOA_L
ClientSampled :

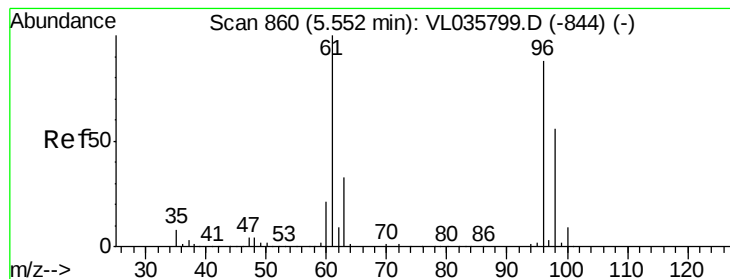
Tot Ion: 83 Resp: 2798505
Ion Ratio Lower Upper
83 100
85 67.9 54.6 81.8



#30
Cyclohexane
Concen: 9.947 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 84 Resp: 1685008
Ion Ratio Lower Upper
84 100
56 99.6 86.4 129.6
41 45.0 42.1 63.1



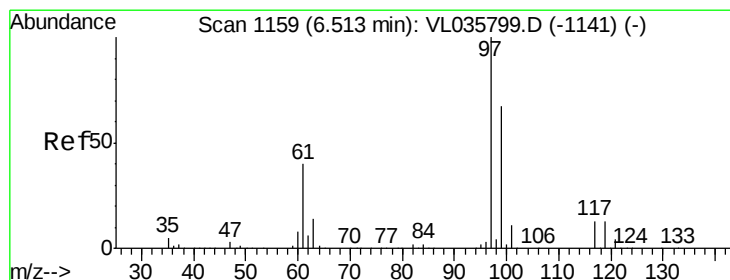
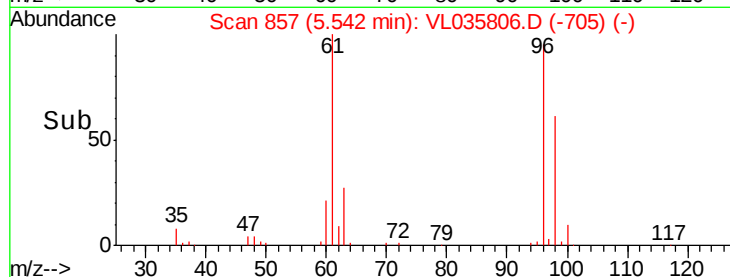
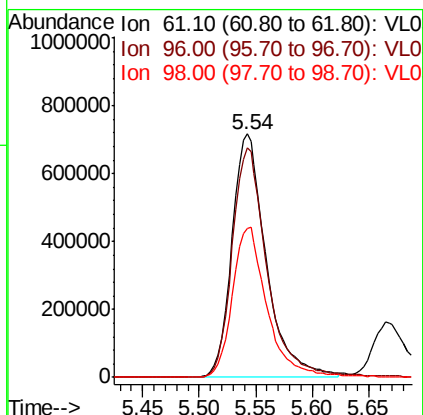
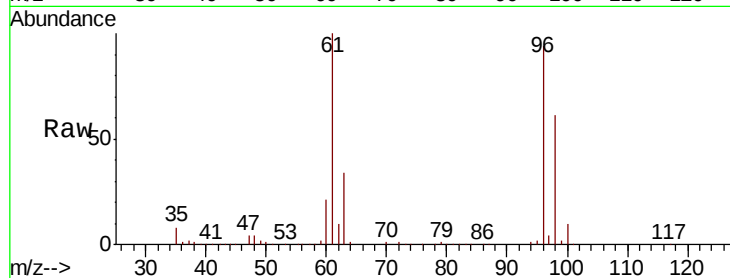


#31

cis-1,2-Dichloroethene
 Concen: 9.457 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :

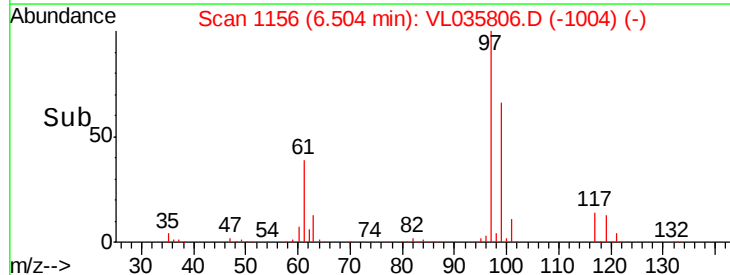
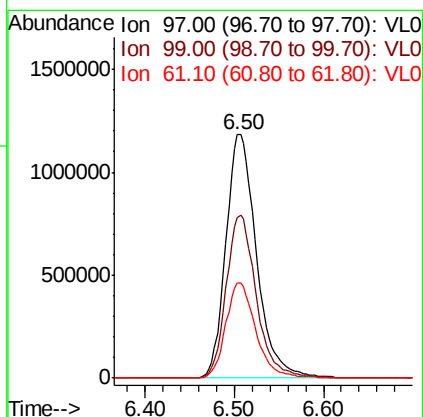
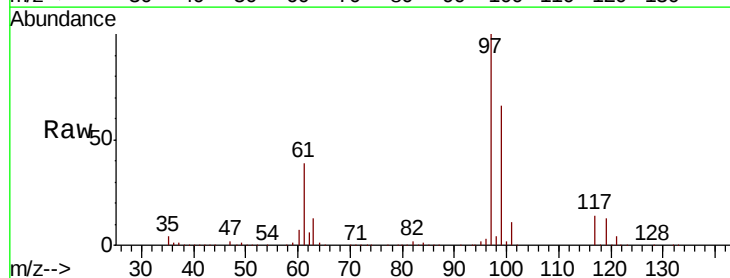
Tot Ion: 61 Resp: 1513097
 Ion Ratio Lower Upper
 61 100
 96 94.3 70.3 105.5
 98 61.3 45.0 67.6

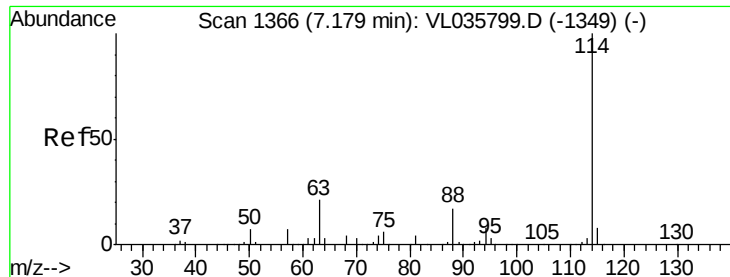


#32

1,1,1-Trichloroethane
 Concen: 8.837 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 97 Resp: 2818973
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.3 78.5
 61 38.5 32.0 48.0

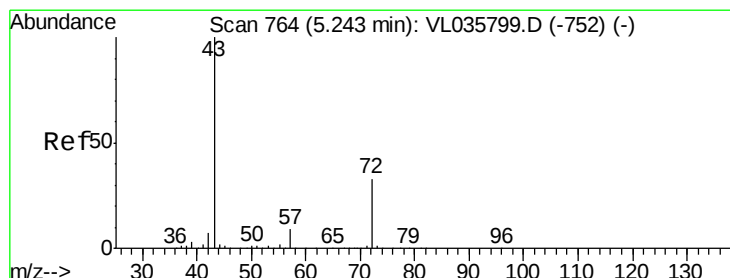
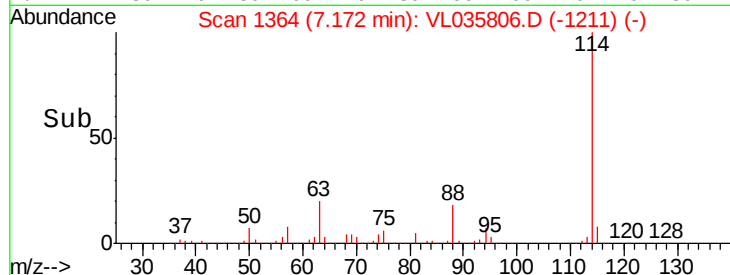
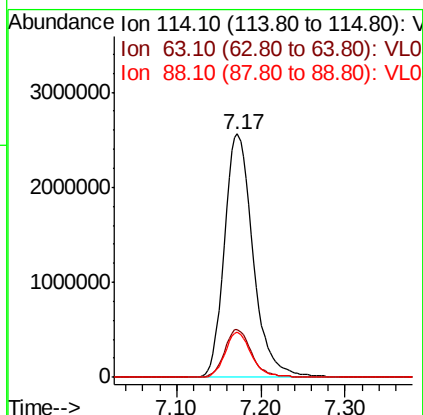
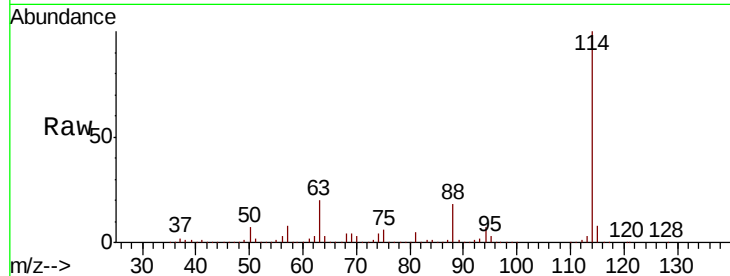




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

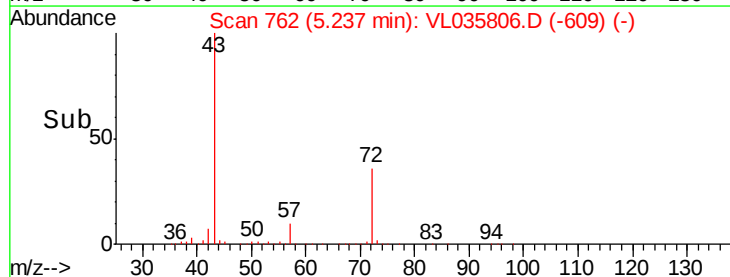
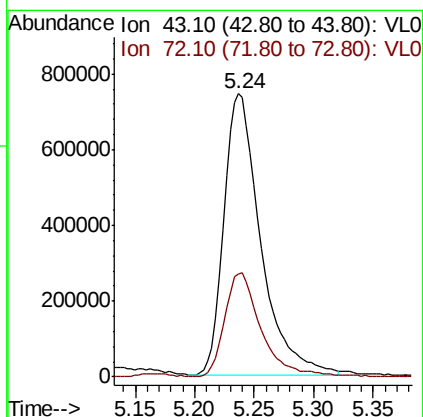
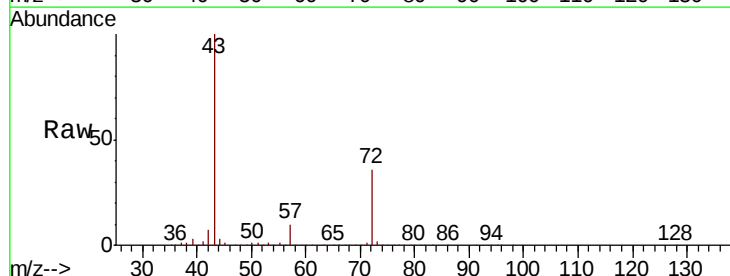
Instrument :
 MSVOA_L
 ClientSampleId :

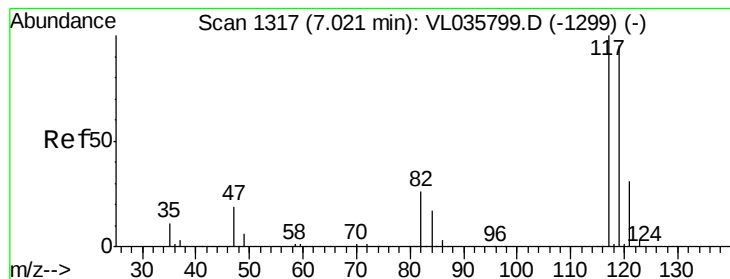
Tot Ion:114 Resp: 6052721
 Ion Ratio Lower Upper
 114 100
 63 18.8 16.1 24.1
 88 17.2 13.7 20.5



#34
 2-Butanone
 Concen: 8.070 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 43 Resp: 1585288
 Ion Ratio Lower Upper
 43 100
 72 37.2 26.5 39.7





#35

Carbon Tetrachloride

Concen: 8.618 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

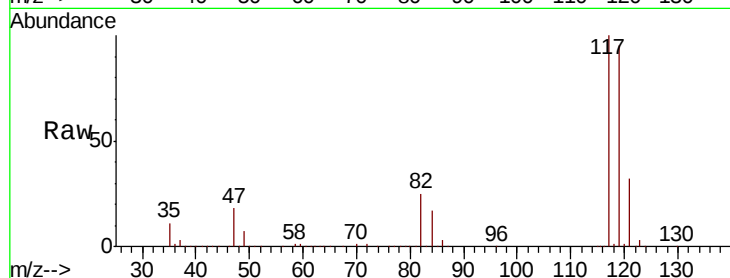
Tot Ion:117 Resp: 2787147

Ion Ratio Lower Upper

117 100

119 95.4 75.6 113.4

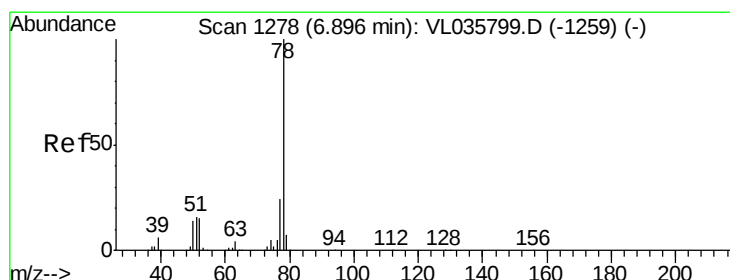
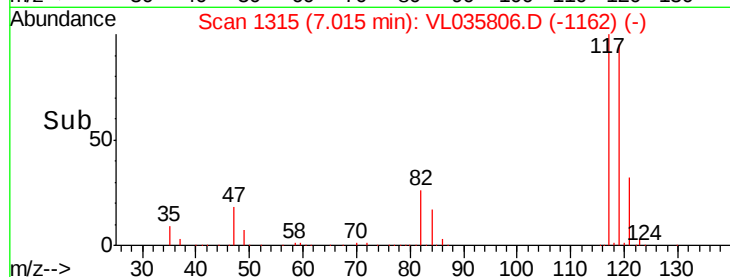
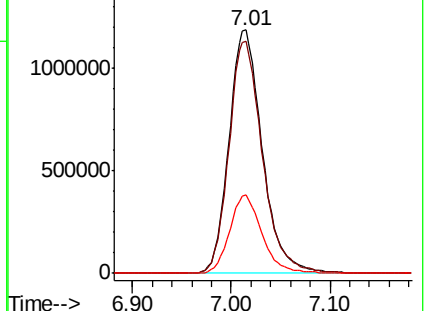
121 32.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.681 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

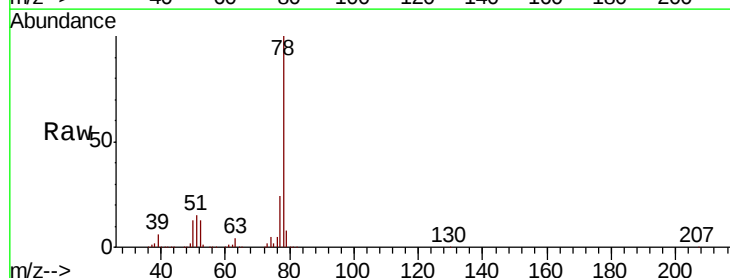
Tgt Ion: 78 Resp: 3906496

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9

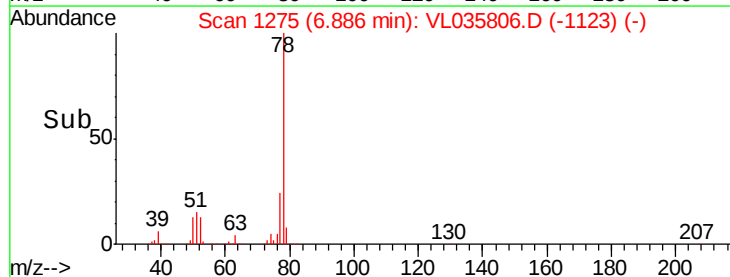
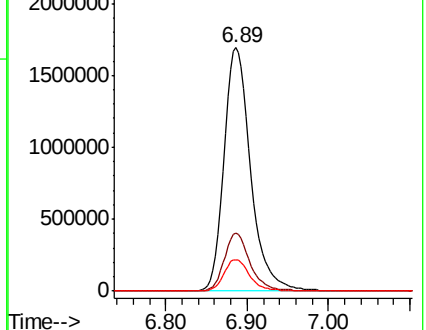
50 13.0 11.4 17.2

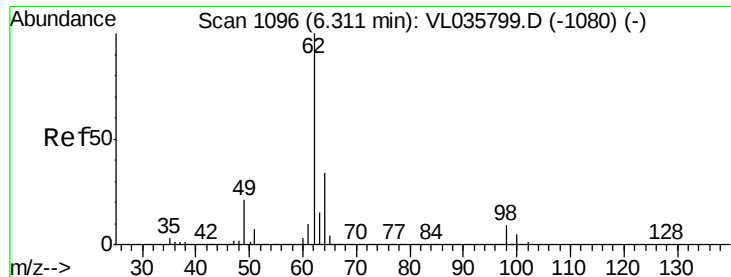


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

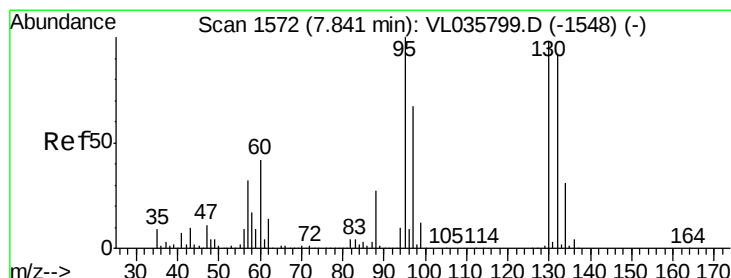
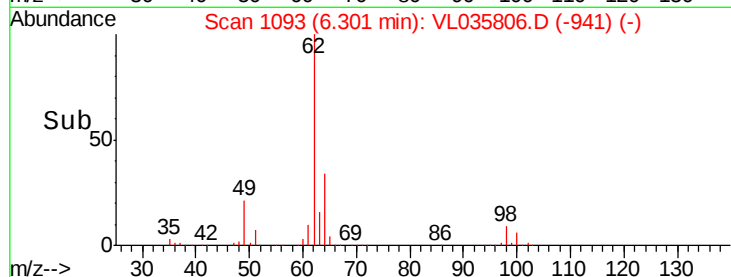
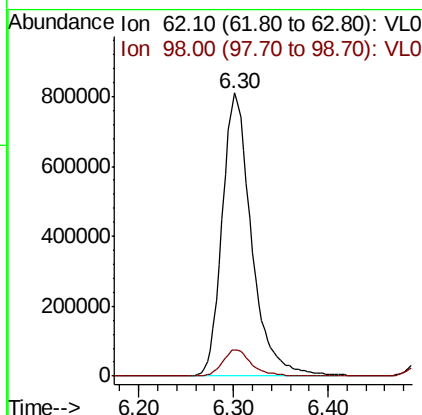
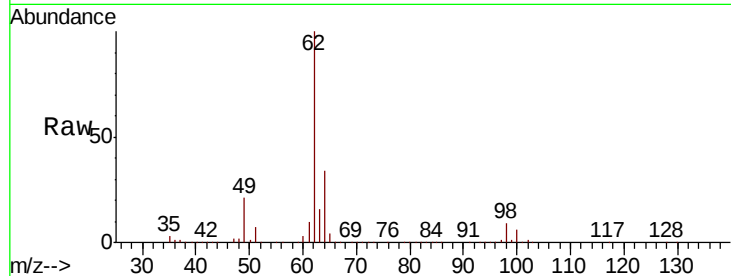




#37
 1,2-Dichloroethane
 Concen: 8.575 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

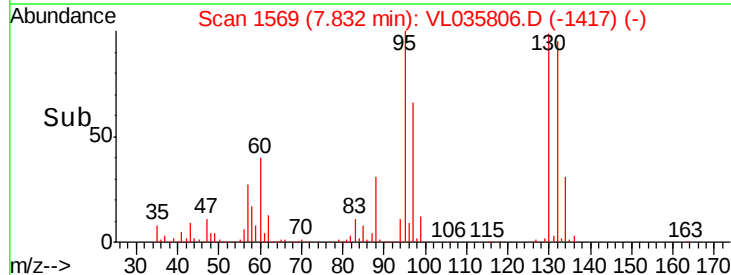
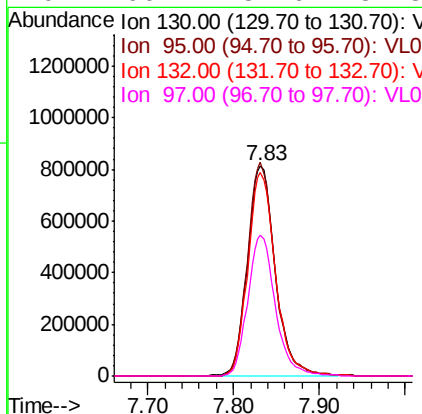
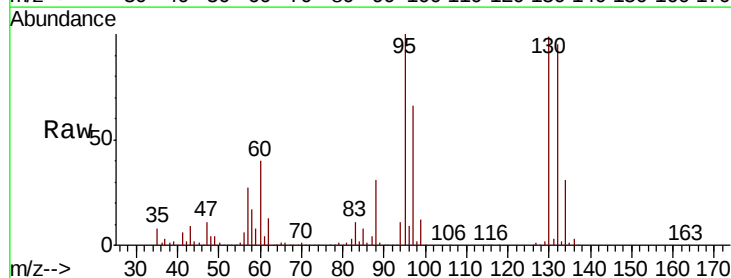
Instrument :
 MSVOA_L
 ClientSampleId :

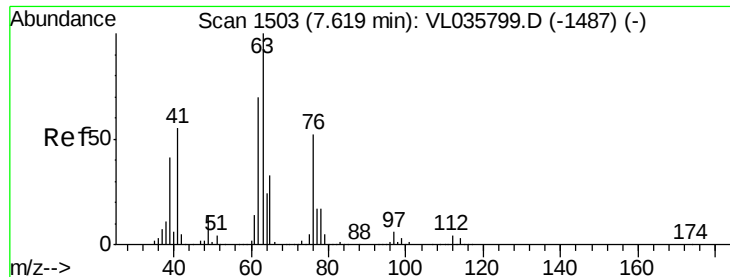
Tot Ion: 62 Resp: 1747999
 Ion Ratio Lower Upper
 62 100
 98 9.5 6.9 10.3



#38
 Trichloroethene
 Concen: 8.337 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 130 Resp: 1832474
 Ion Ratio Lower Upper
 130 100
 95 101.5 81.6 122.4
 132 96.5 75.1 112.7
 97 66.7 54.6 81.8

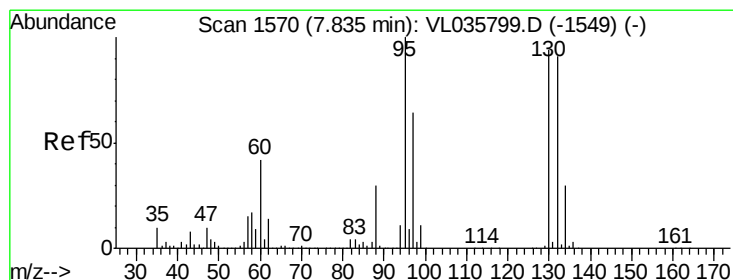
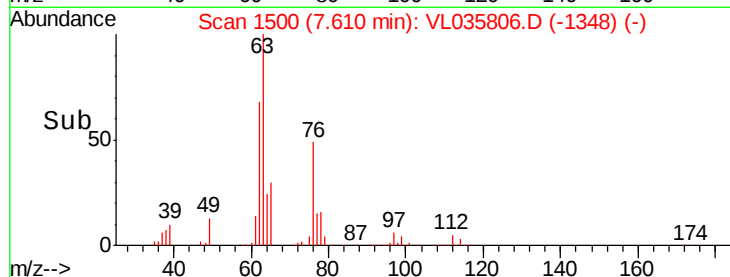
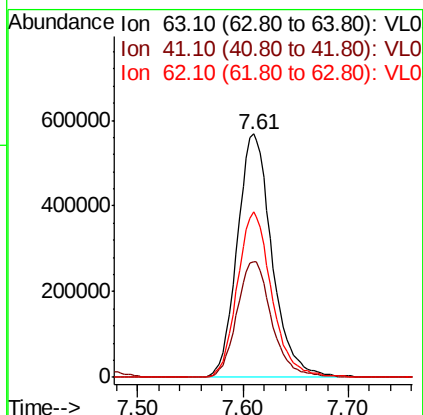
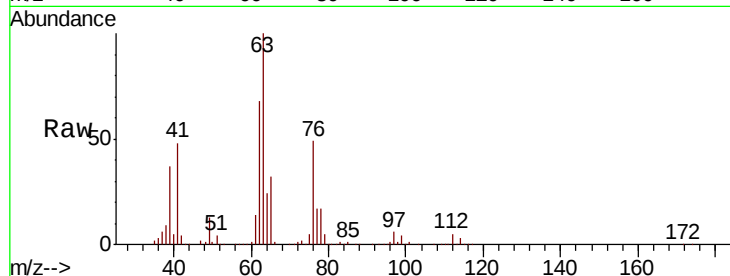




#39
 1,2-Dichloropropane
 Concen: 8.561 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

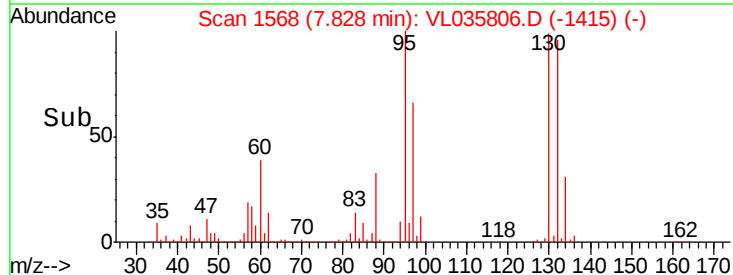
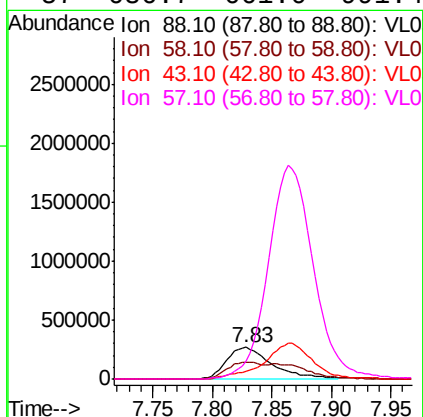
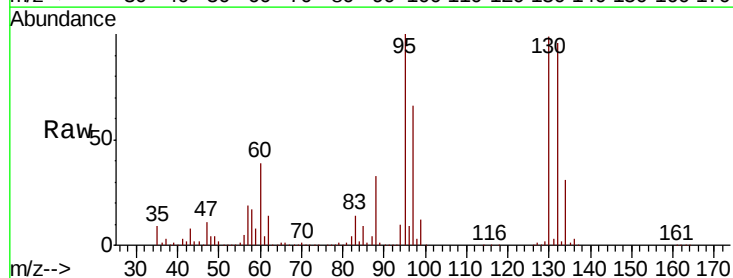
Instrument :
 MSVOA_L
 ClientSampleId :

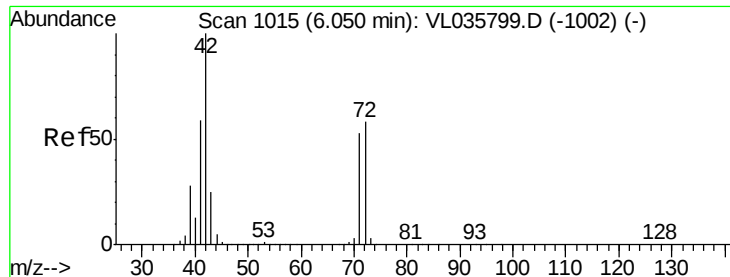
Tot Ion: 63 Resp: 1296916
 Ion Ratio Lower Upper
 63 100
 41 47.6 43.8 65.6
 62 67.7 56.2 84.2



#40
 1,4-Dioxane
 Concen: 9.731 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 88 Resp: 698712
 Ion Ratio Lower Upper
 88 100
 58 86.5 76.2 114.2
 43 123.9 123.1 184.7
 57 686.7 661.0 991.4





#41

Tetrahydrofuran

Concen: 8.547 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampled :

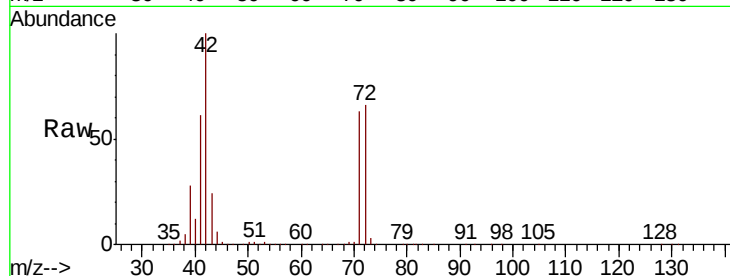
Tot Ion: 42 Resp: 953816

Ion Ratio Lower Upper

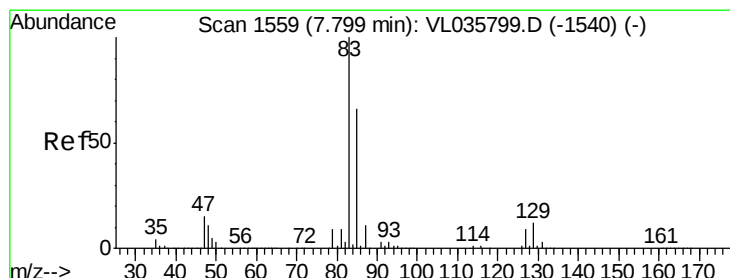
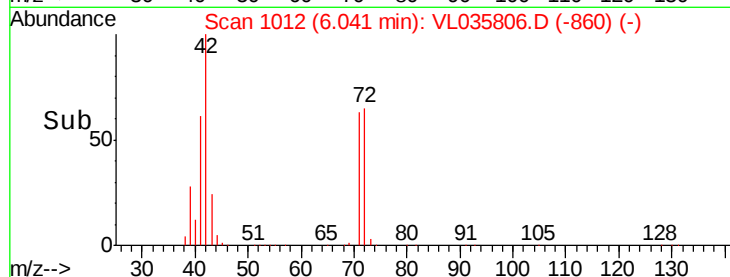
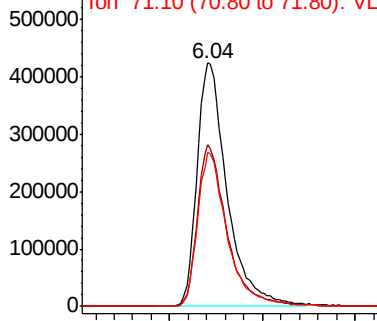
42 100

72 65.6 45.4 68.0

71 62.6 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: 8.995 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

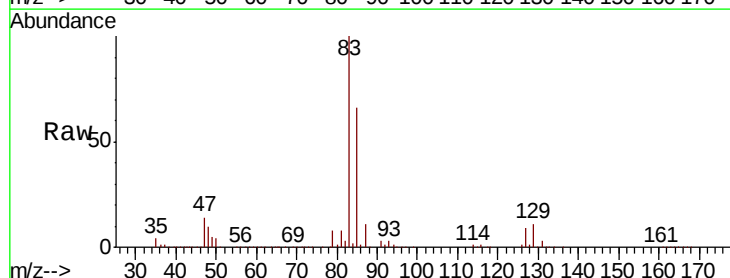
Tgt Ion: 83 Resp: 3093893

Ion Ratio Lower Upper

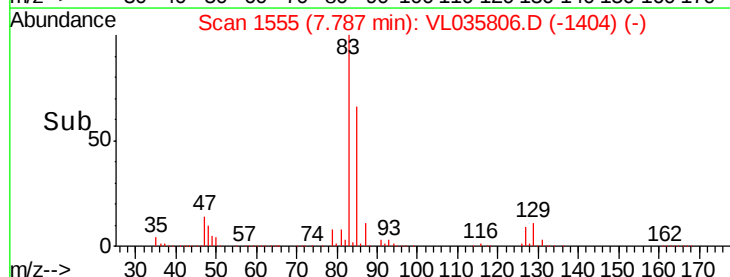
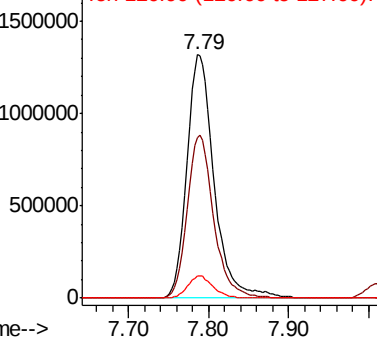
83 100

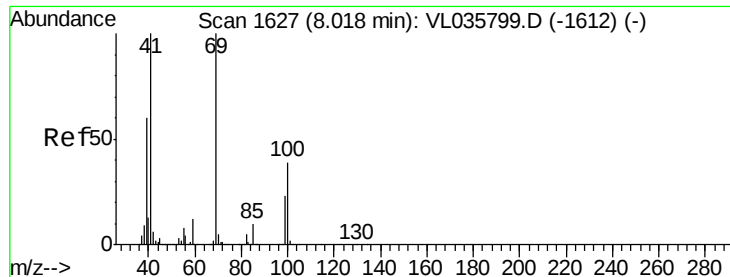
85 65.8 53.1 79.7

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

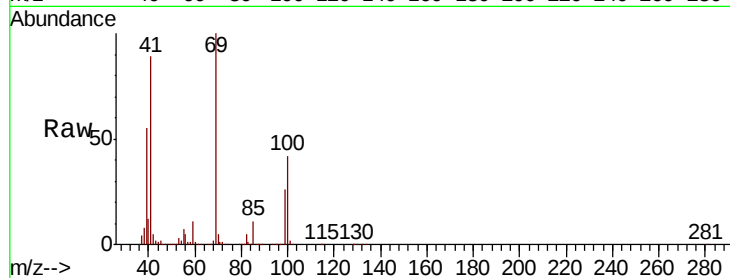




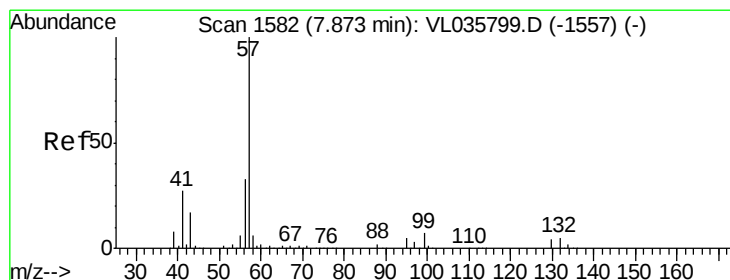
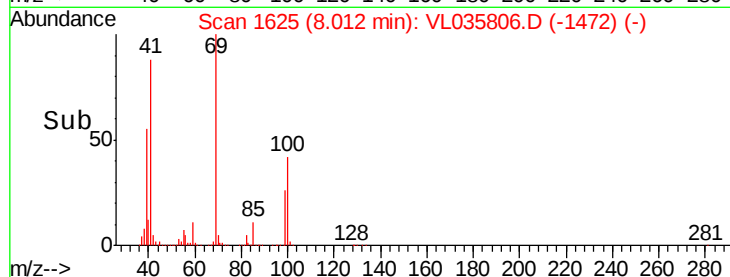
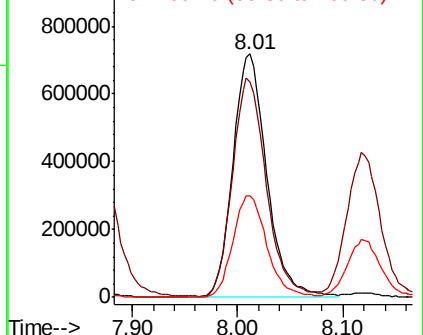
#43
Methvl Methacrilate
Concen: 9.305 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1597121
Ion Ratio Lower Upper
69 100
41 90.0 81.1 121.7
100 42.1 31.0 46.4

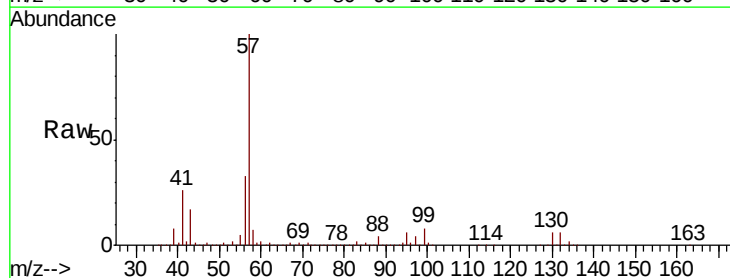


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

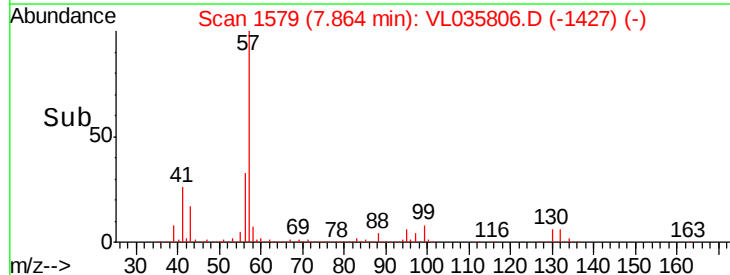
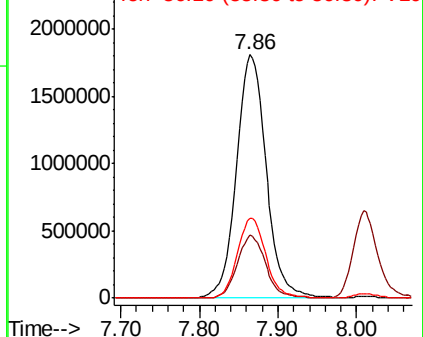


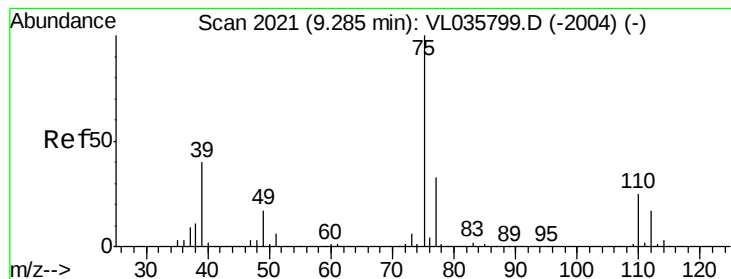
#44
2,2,4-Trimethylpentane
Concen: 8.048 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 57 Resp: 4792225
Ion Ratio Lower Upper
57 100
41 24.5 21.0 31.4
56 31.5 25.4 38.0



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





#45

t-1,3-Dichloropropene

Concen: 10.340 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

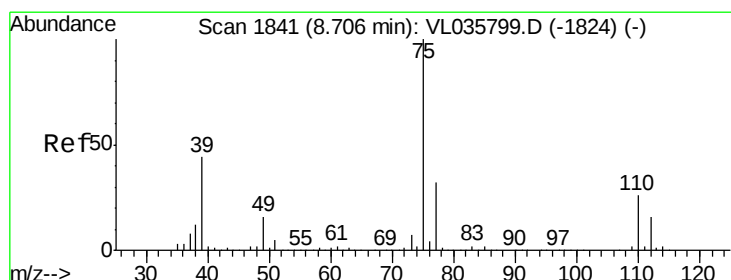
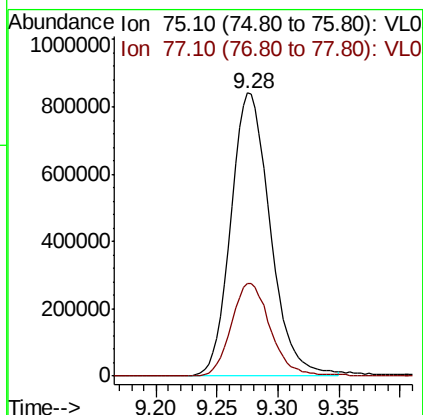
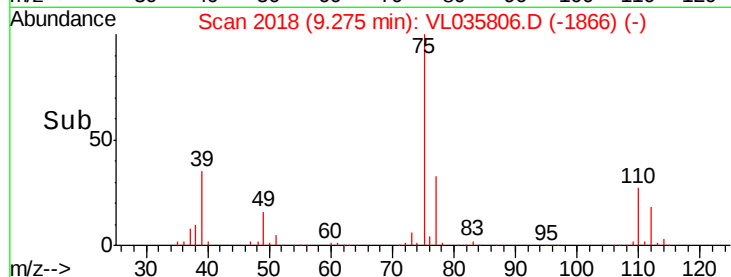
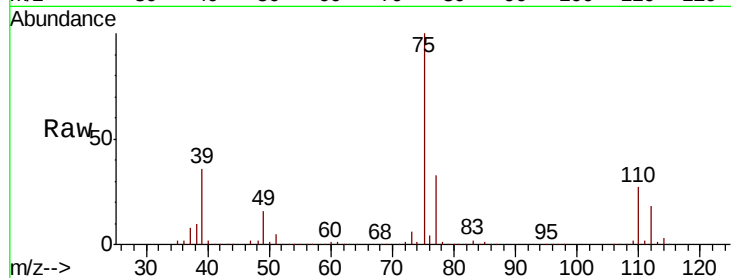
ClientSampleId :

Tot Ion: 75 Resp: 1881422

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6



#46

cis-1,3-Dichloropropene

Concen: 9.705 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

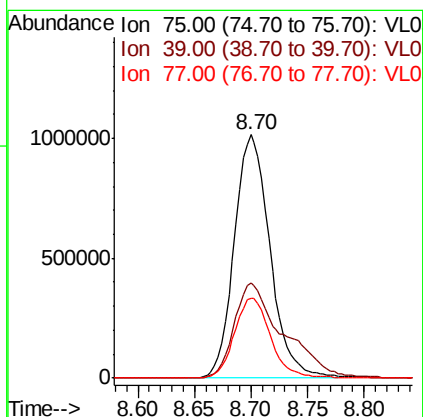
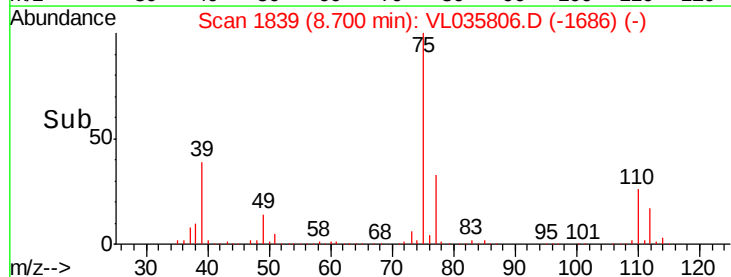
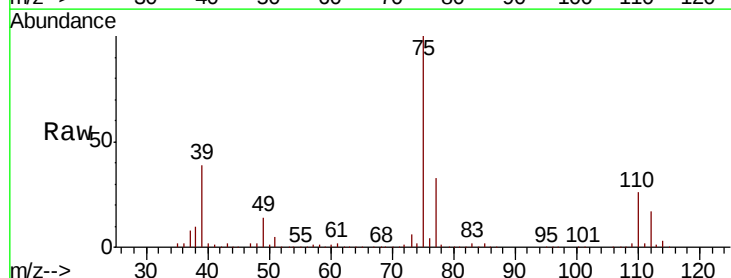
Tgt Ion: 75 Resp: 2236204

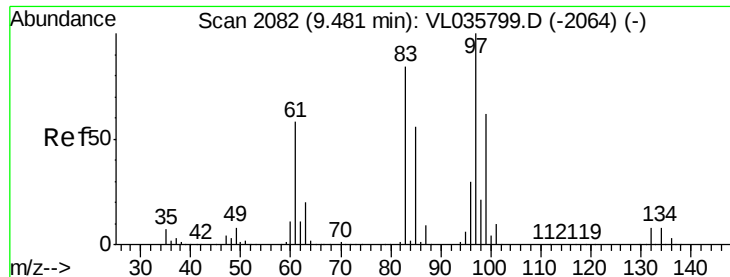
Ion Ratio Lower Upper

75 100

39 39.2 35.1 52.7

77 32.7 25.7 38.5

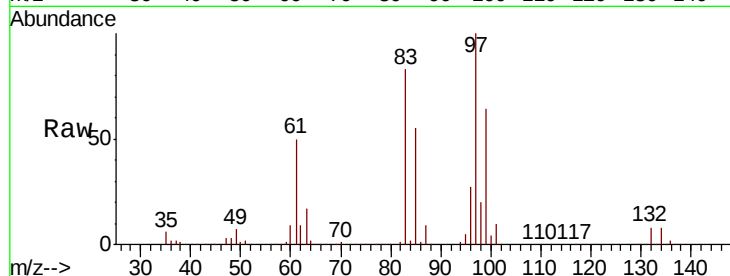




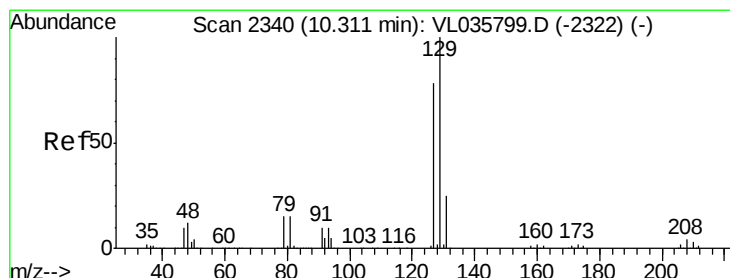
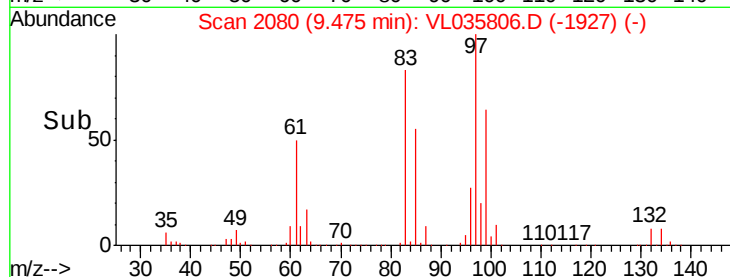
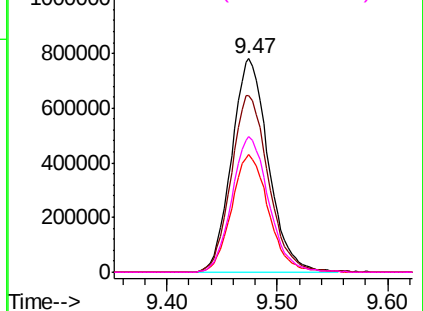
#47
 1,1,2-Trichloroethane
 Concen: 8.723 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1800572
 Ion Ratio Lower Upper
 97 100
 83 82.8 67.1 100.7
 85 55.2 44.7 67.1
 99 63.6 49.7 74.5

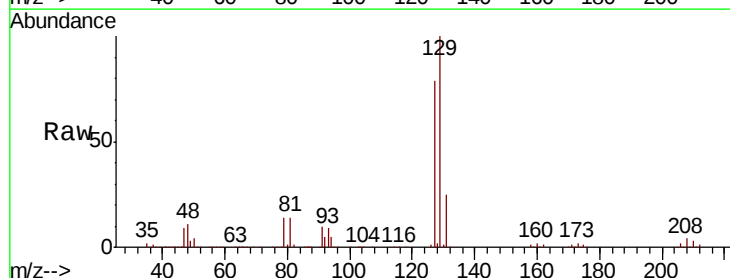


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

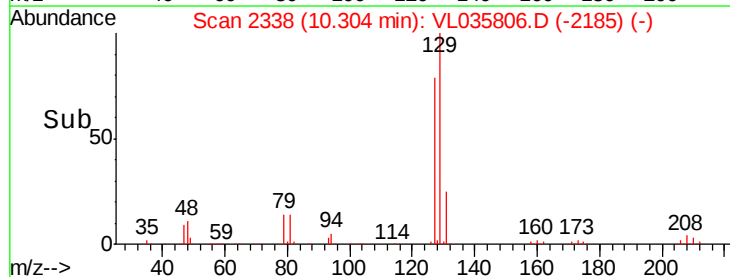
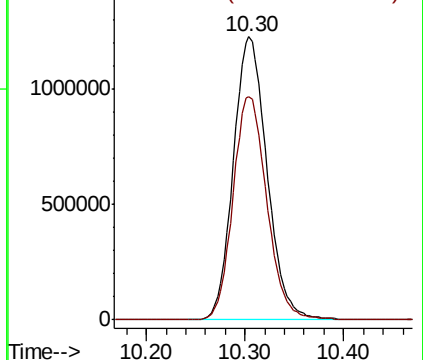


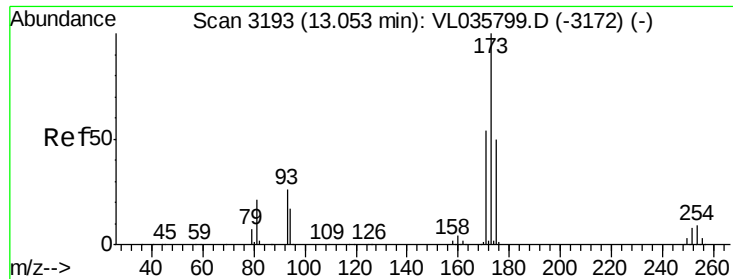
#48
 Dibromochloromethane
 Concen: 9.243 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 129 Resp: 2914767
 Ion Ratio Lower Upper
 129 100
 127 79.6 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: 9.351 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

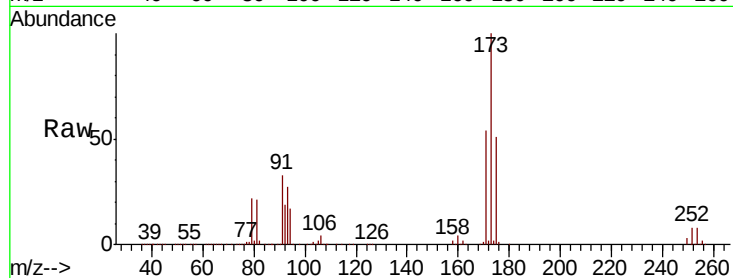
Tot Ion:173 Resp: 2488325

Ion Ratio Lower Upper

173 100

175 50.1 40.1 60.1

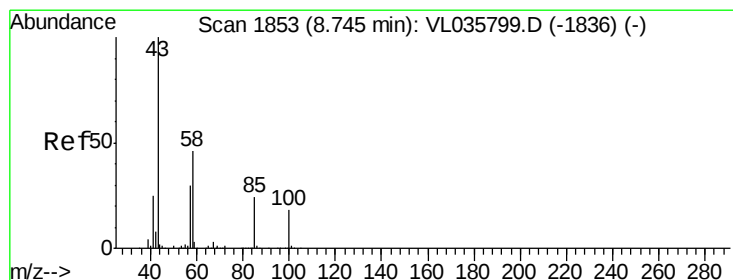
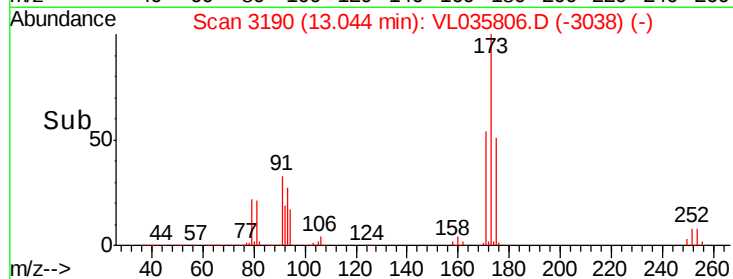
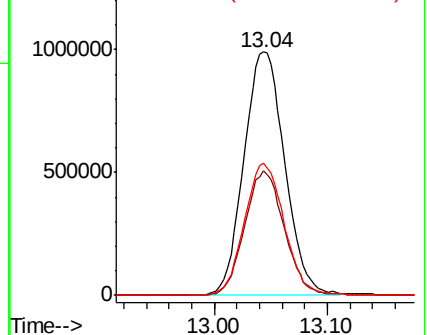
171 53.3 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.107 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL035806.D

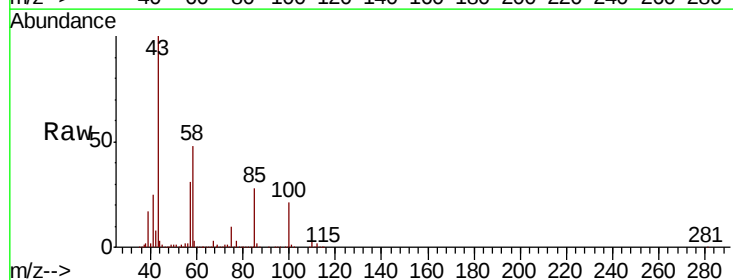
Acq: 3 Nov 2020 15:15

Tgt Ion: 43 Resp: 2435271

Ion Ratio Lower Upper

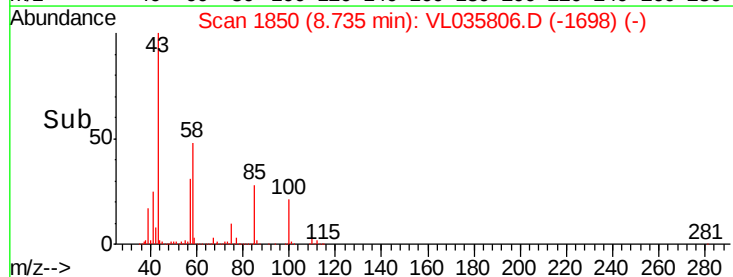
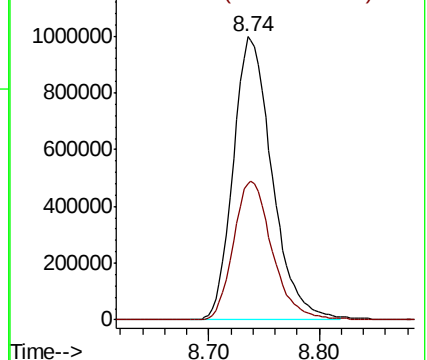
43 100

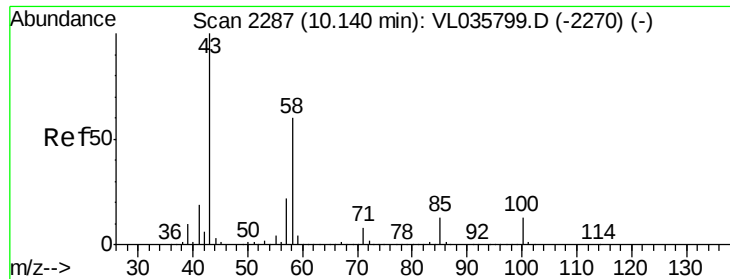
58 49.3 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

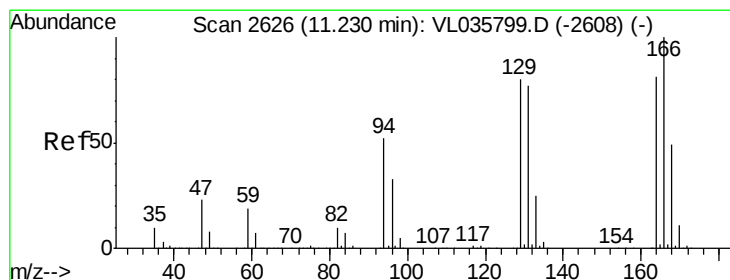
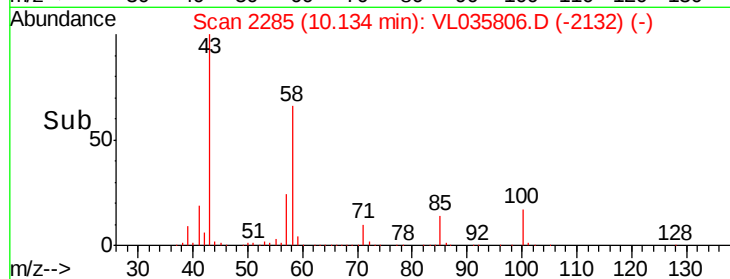
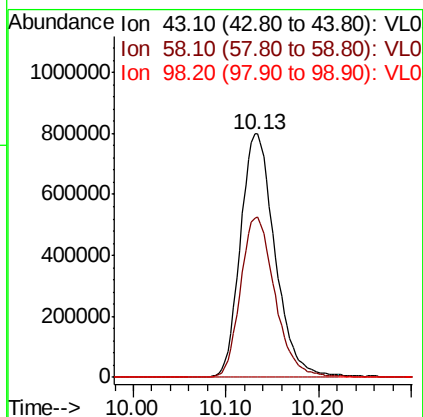
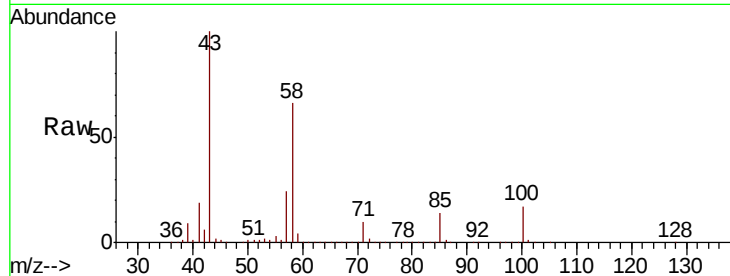




#51
2-Hexanone
Concen: 8.570 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

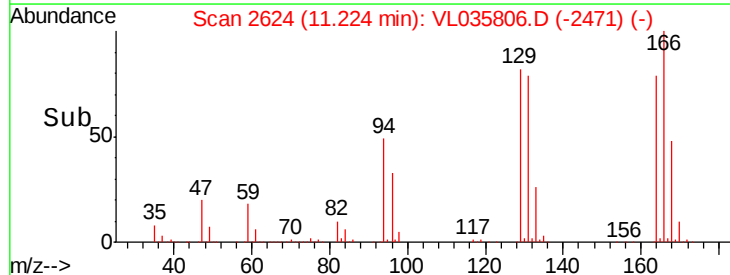
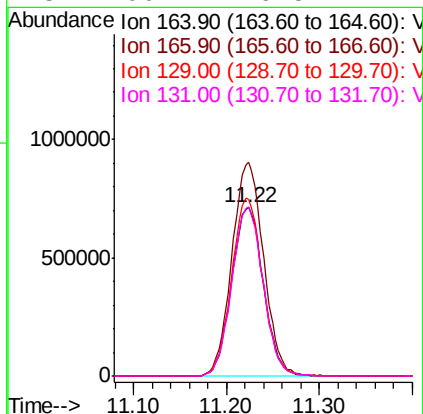
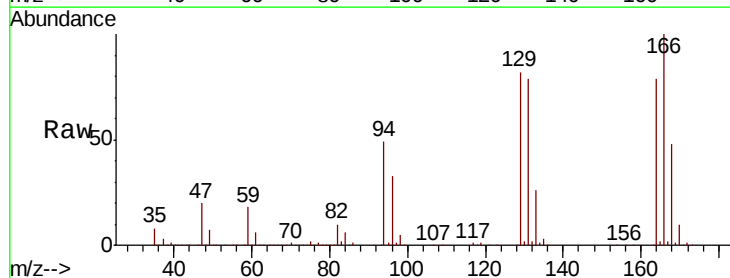
Instrument :
MSVOA_L
ClientSampled :

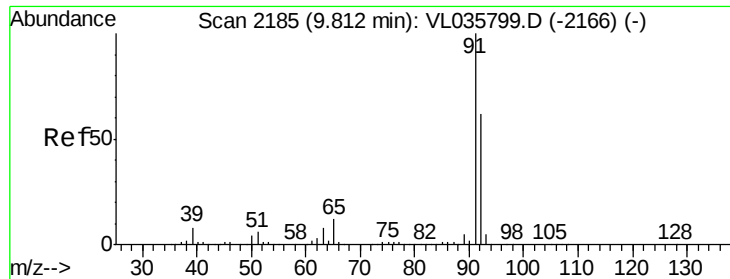
Tot Ion: 43 Resp: 2067962
Ion Ratio Lower Upper
43 100
58 65.8 48.3 72.5
98 0.1 0.6 0.8#



#52
Tetrachloroethene
Concen: 7.929 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion:164 Resp: 1690404
Ion Ratio Lower Upper
164 100
166 126.8 99.3 148.9
129 104.4 79.3 118.9
131 100.4 76.5 114.7





#53

Toluene

Concen: 8.800 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

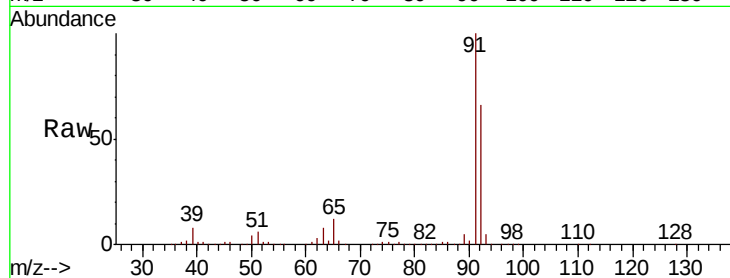
ClientSampleId :

Tot Ion: 91 Resp: 4778221

Ion Ratio Lower Upper

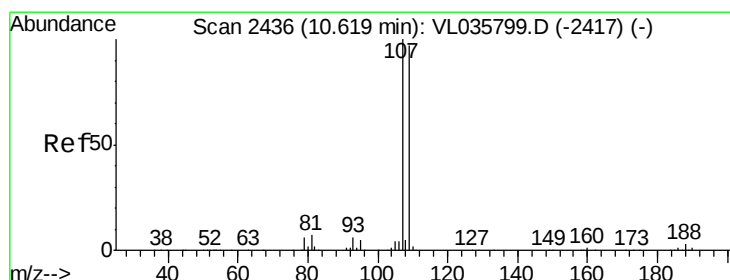
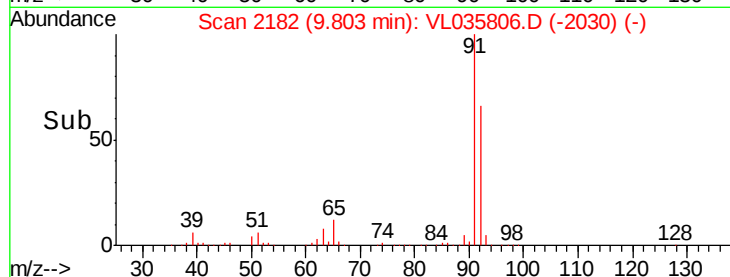
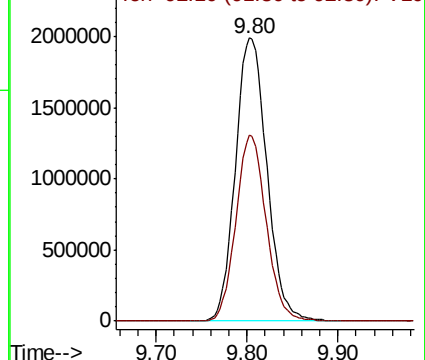
91 100

92 63.5 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: 8.963 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035806.D

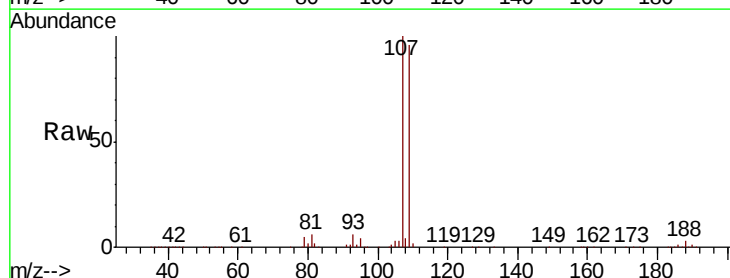
Acq: 3 Nov 2020 15:15

Tgt Ion: 107 Resp: 2813708

Ion Ratio Lower Upper

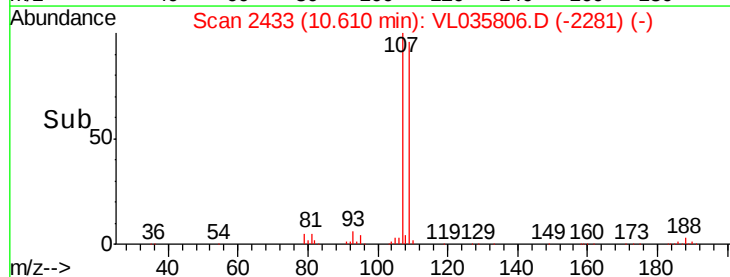
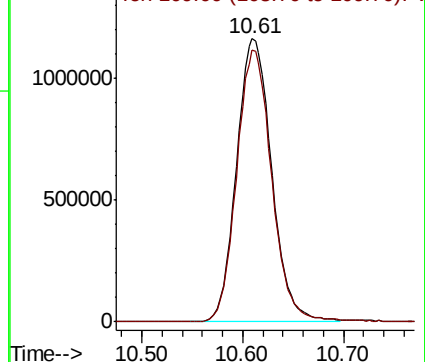
107 100

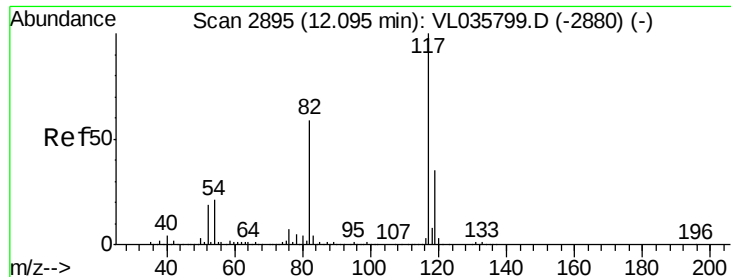
109 96.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

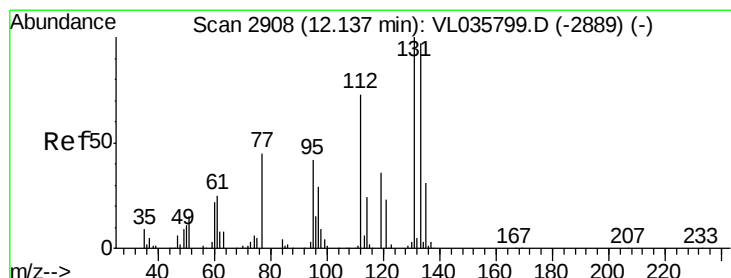
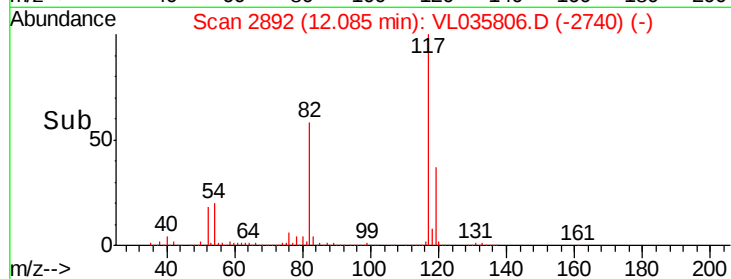
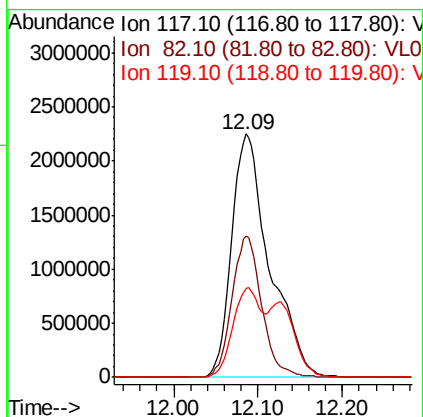
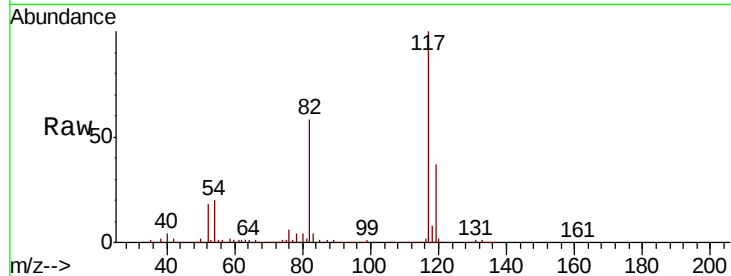




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

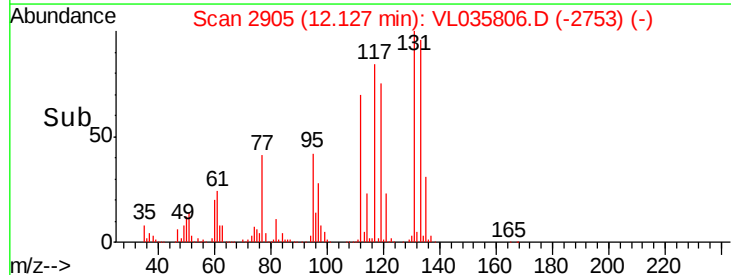
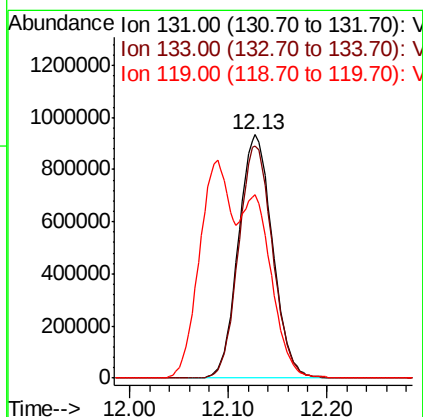
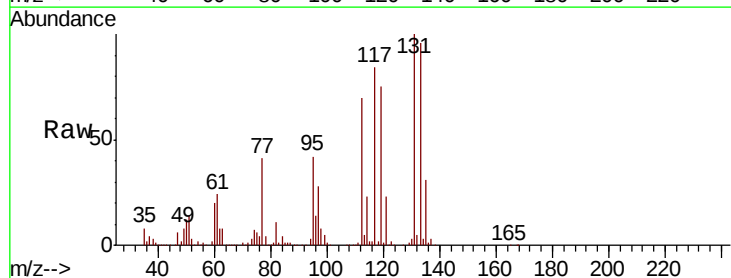
Instrument :
MSVOA_L
ClientSampleId :

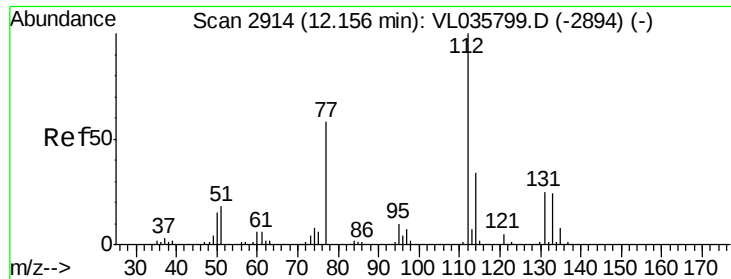
Tot Ion:117 Resp: 7028570
Ion Ratio Lower Upper
117 100
82 45.6 50.6 76.0#
119 49.2 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.090 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion:131 Resp: 2236544
Ion Ratio Lower Upper
131 100
133 95.5 76.8 115.2
119 63.1 47.4 71.0

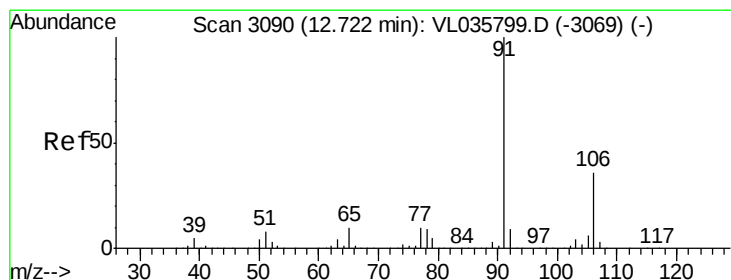
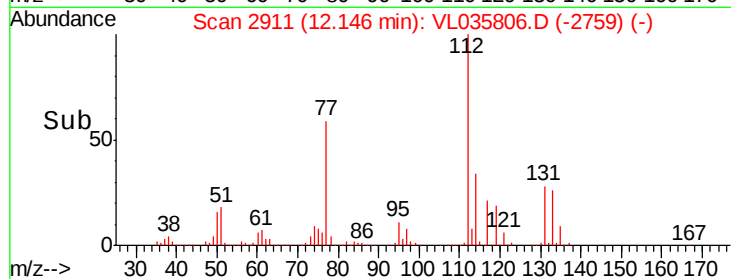
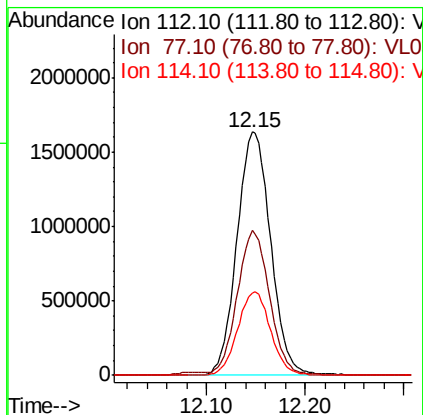
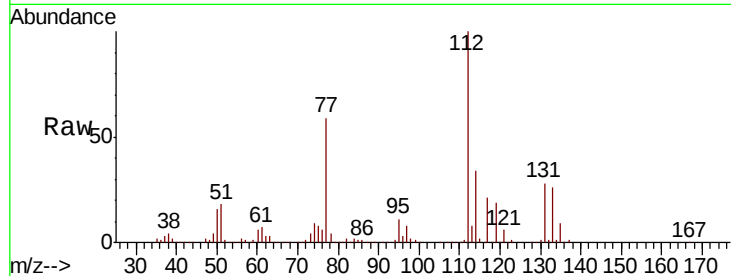




#57
Chlorobenzene
Concen: 6.935 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

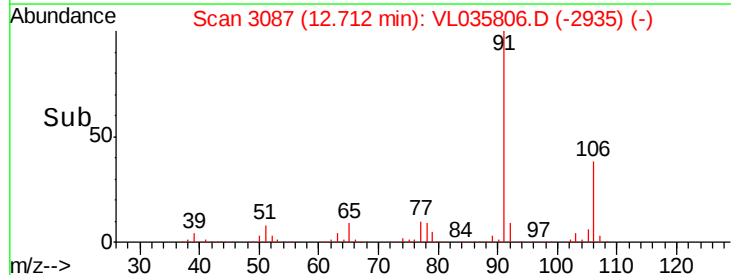
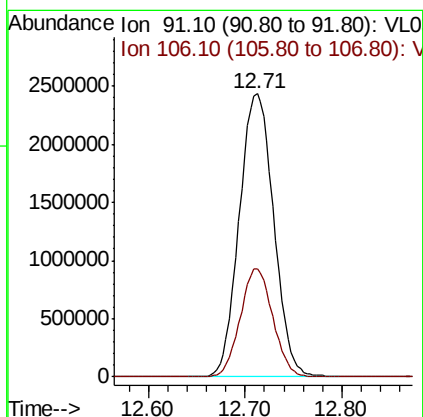
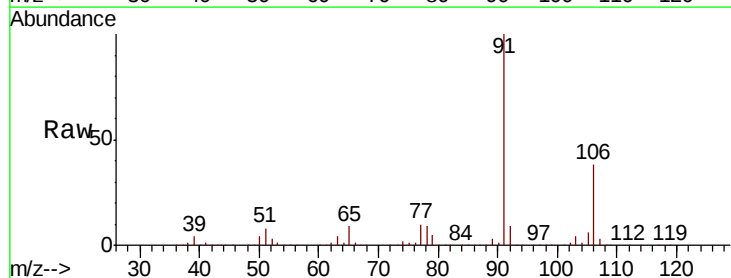
Instrument :
MSVOA_L
ClientSampleId :

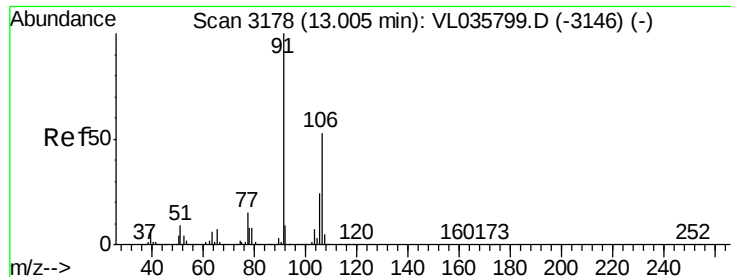
Tot Ion:112 Resp: 3875380
Ion Ratio Lower Upper
112 100
77 59.1 47.5 71.3
114 33.9 30.3 37.1



#58
Ethyl Benzene
Concen: 7.044 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 91 Resp: 6029734
Ion Ratio Lower Upper
91 100
106 38.2 28.6 43.0

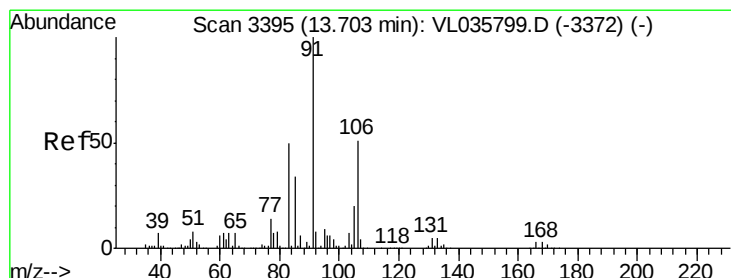
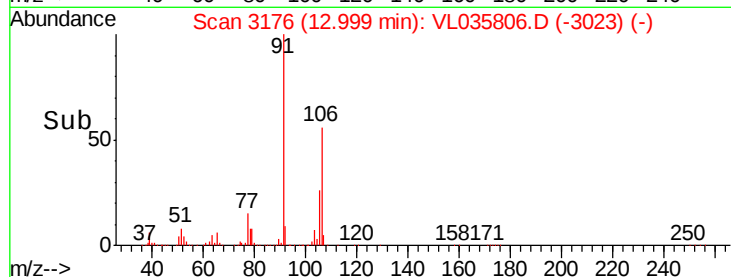
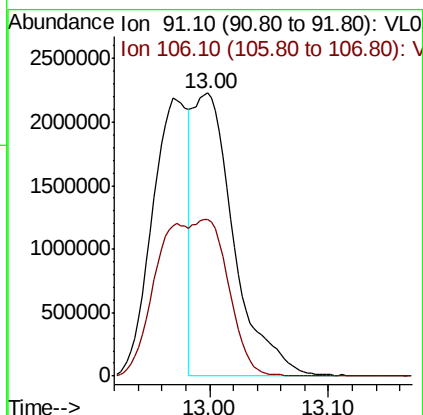
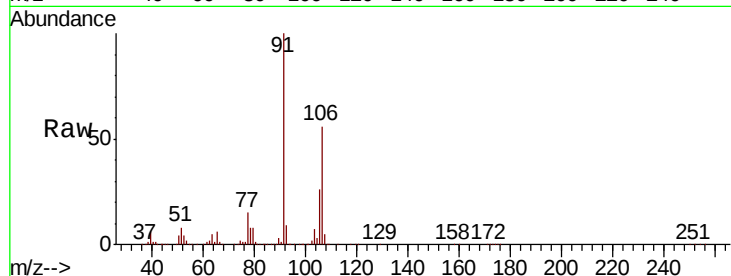




#59
m/p-Xylene
Concen: 7.324 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

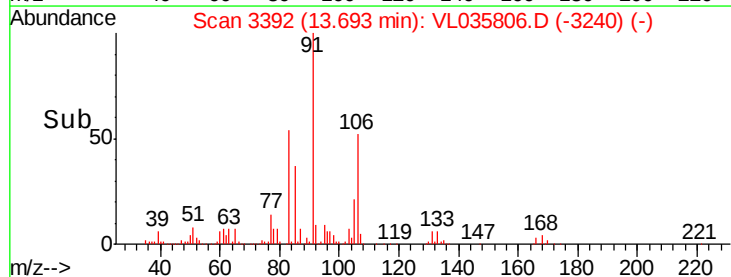
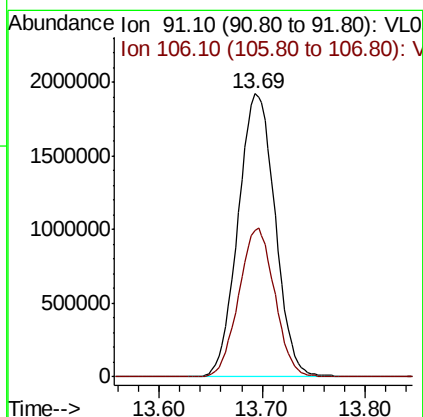
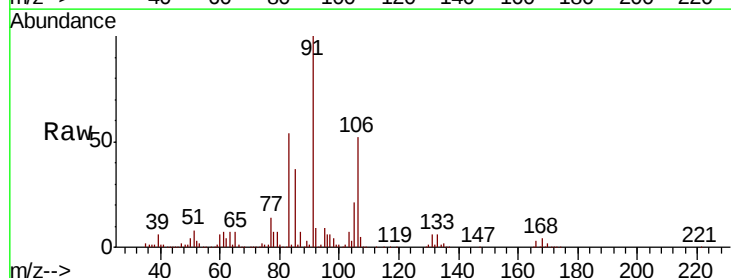
Instrument :
MSVOA_L
ClientSampled :

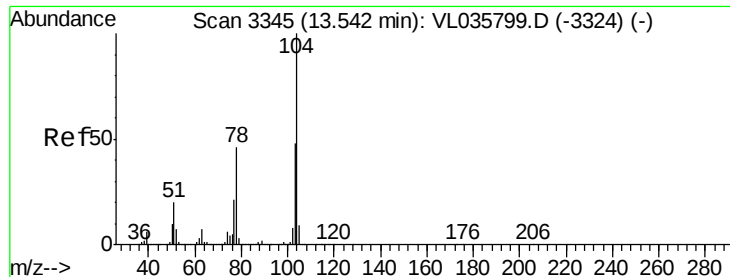
Tot Ion: 91 Resp: 5304377
Ion Ratio Lower Upper
91 100
106 96.0 39.5 59.3#



#60
o-Xylene
Concen: 6.792 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 91 Resp: 4784994
Ion Ratio Lower Upper
91 100
106 51.0 24.8 74.4

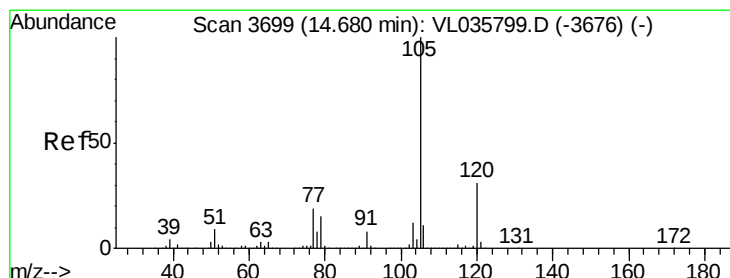
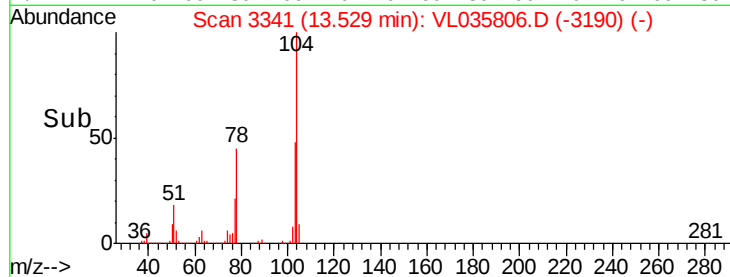
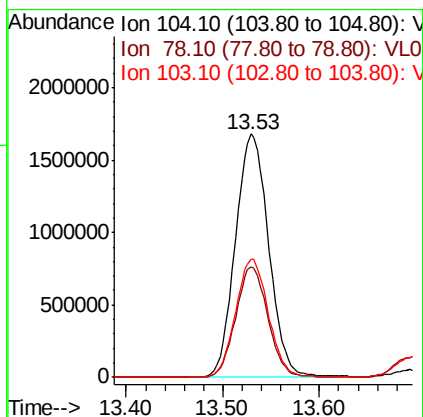
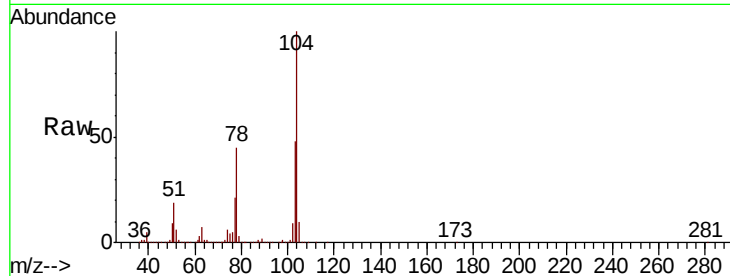




#61
Stvrene
Concen: 7.800 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

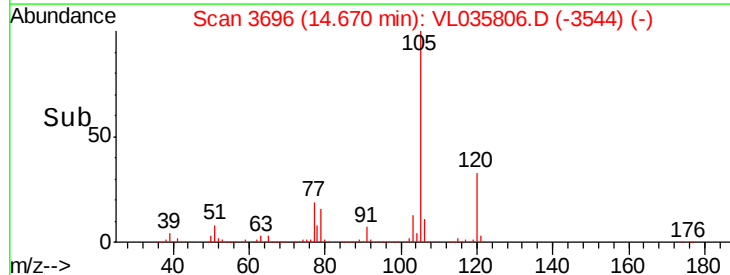
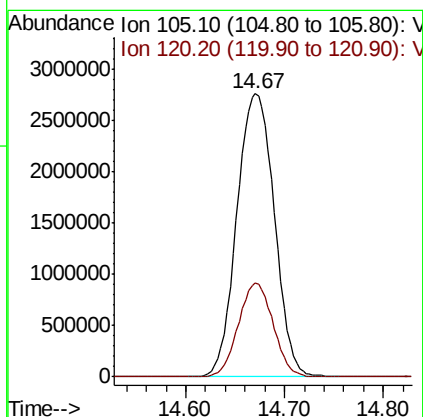
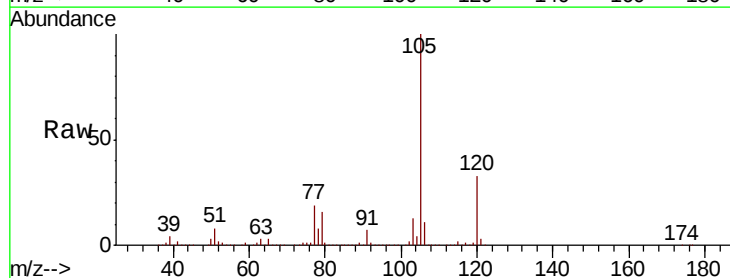
Instrument :
MSVOA_L
ClientSampleId :

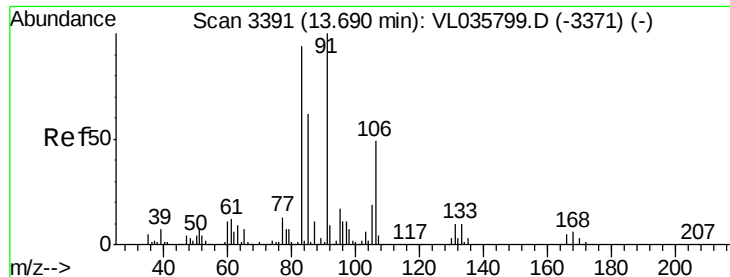
Tot Ion:104 Resp: 4026741
Ion Ratio Lower Upper
104 100
78 44.2 37.1 55.7
103 47.8 37.9 56.9



#62
Isopropylbenzene
Concen: 6.558 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion:105 Resp: 7262534
Ion Ratio Lower Upper
105 100
120 30.9 23.5 35.3

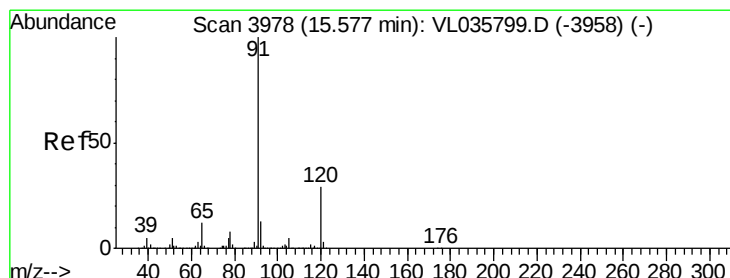
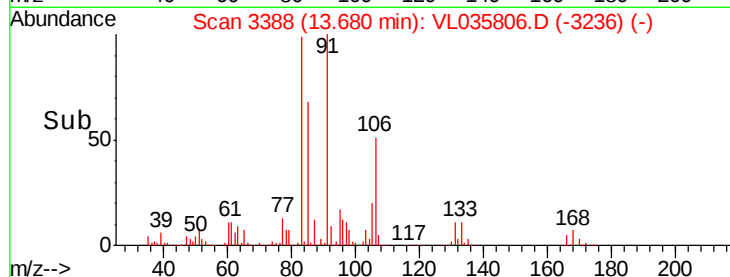
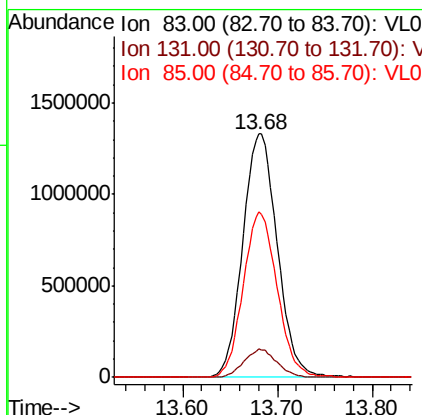
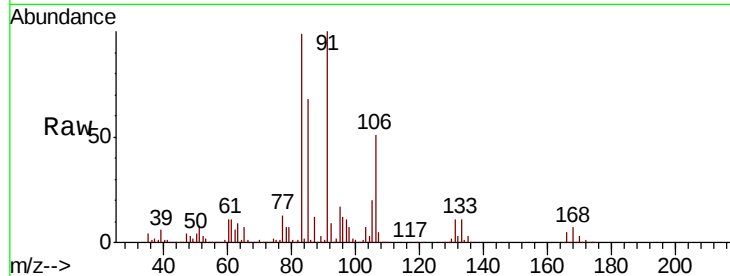




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.181 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

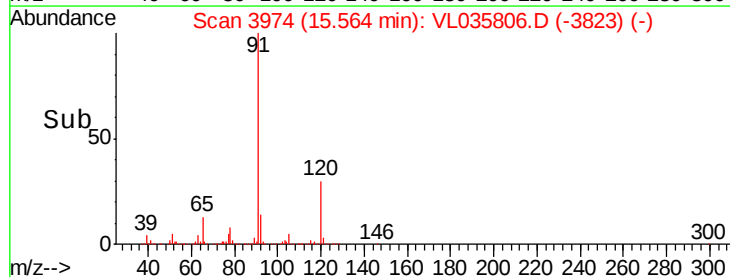
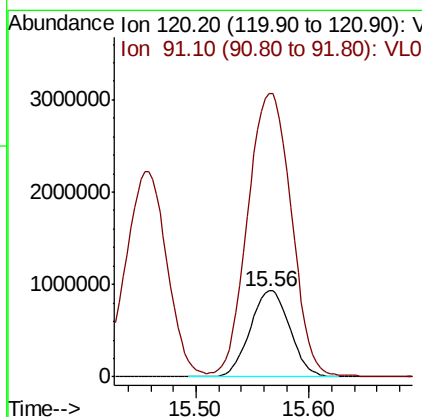
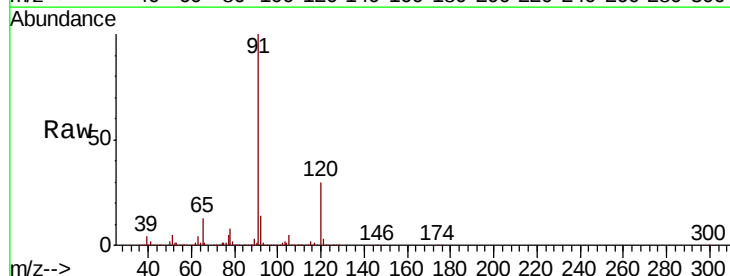
Instrument :
 MSVOA_L
 ClientSampleId :

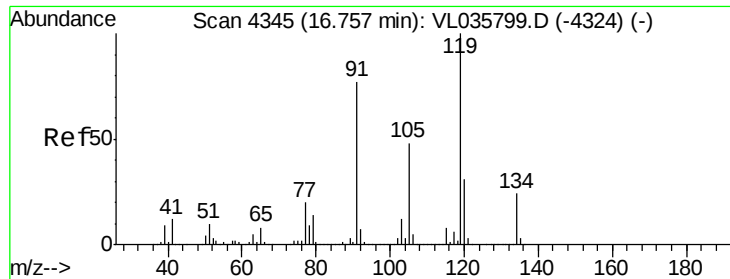
Tot Ion: 83 Resp: 3374457
 Ion Ratio Lower Upper
 83 100
 131 11.1 5.3 15.8
 85 67.0 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.120 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion:120 Resp: 2279086
 Ion Ratio Lower Upper
 120 100
 91 362.2 311.1 466.7





#65

tert-Butylbenzene

Concen: 6.461 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampled :

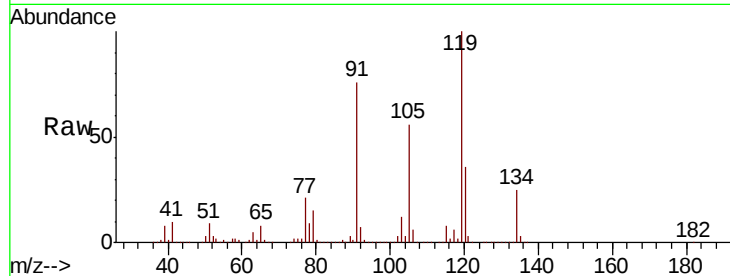
Tot Ion:119 Resp: 6512029

Ion Ratio Lower Upper

119 100

91 75.2 62.0 93.0

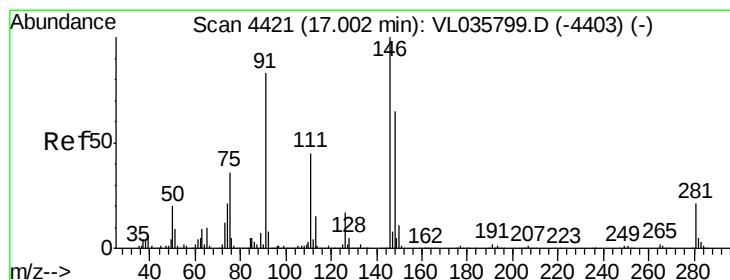
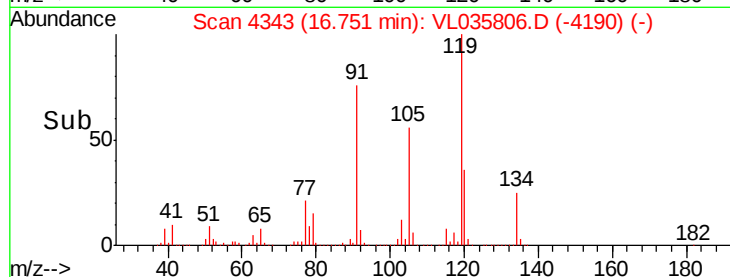
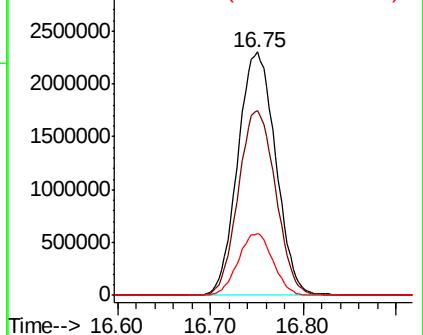
134 23.4 17.8 26.8



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: 8.568 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

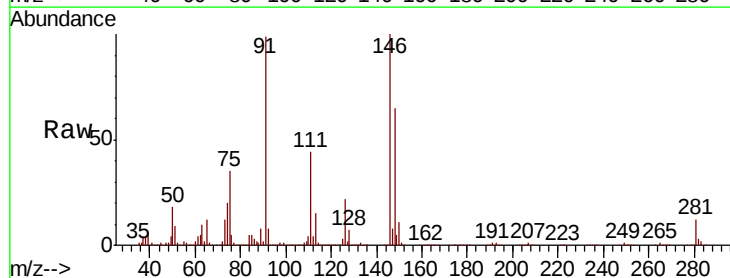
Tgt Ion: 91 Resp: 2854523

Ion Ratio Lower Upper

91 100

126 22.1 16.0 24.0

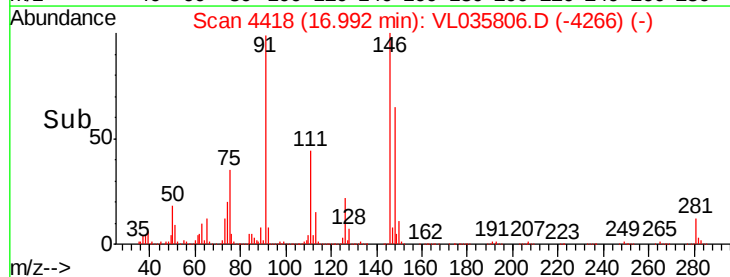
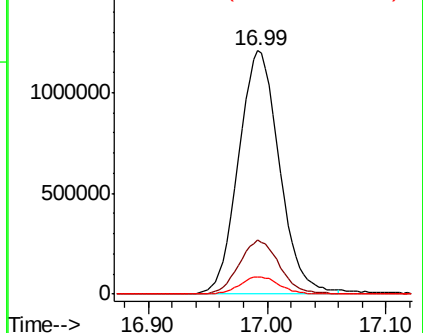
128 7.0 5.0 7.4

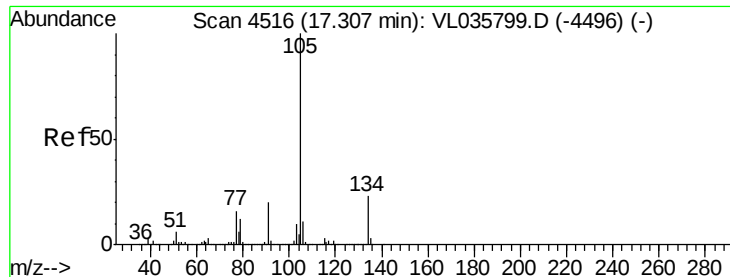


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.340 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

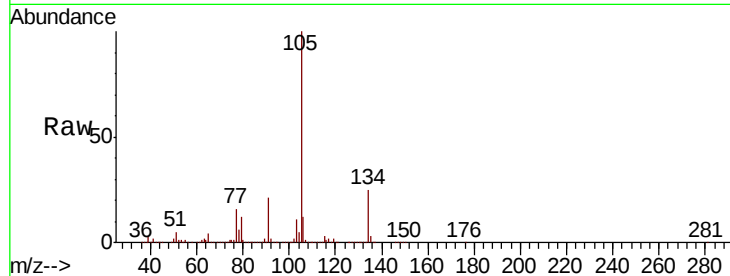
ClientSampleId :

Tot Ion:105 Resp: 8611418

Ion Ratio Lower Upper

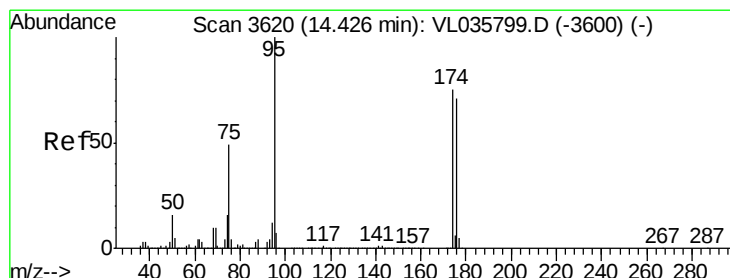
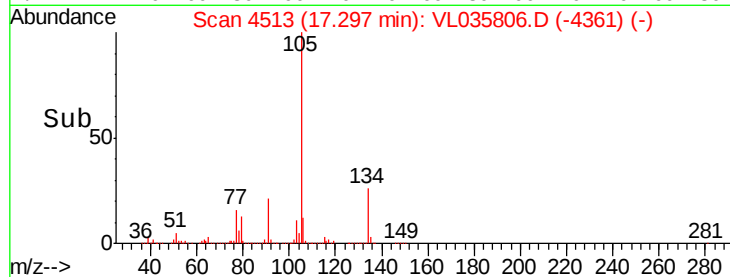
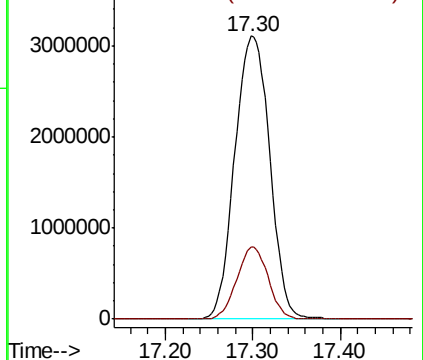
105 100

134 22.9 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.126 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

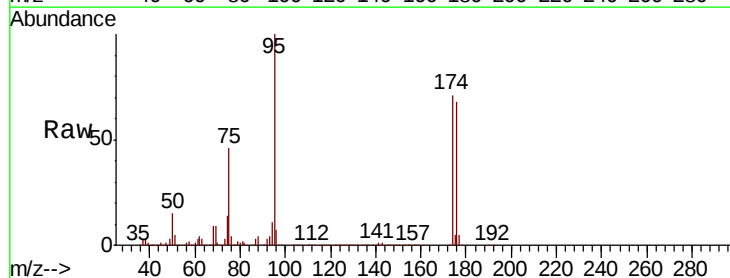
Tgt Ion: 95 Resp: 4057778

Ion Ratio Lower Upper

95 100

174 72.4 59.8 89.6

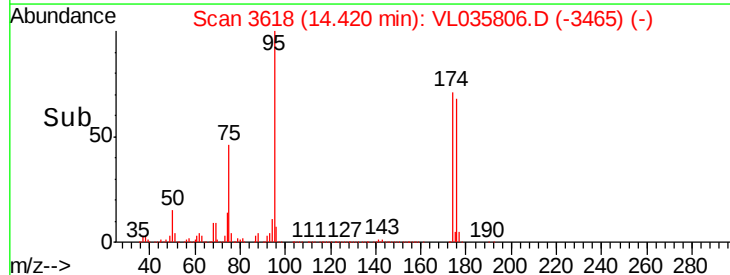
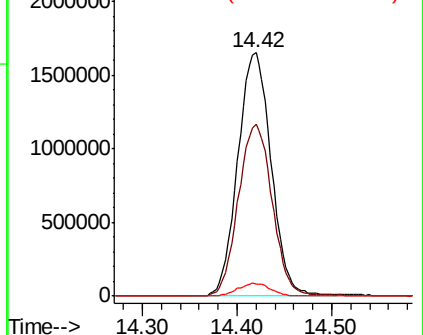
175 5.2 4.3 6.5

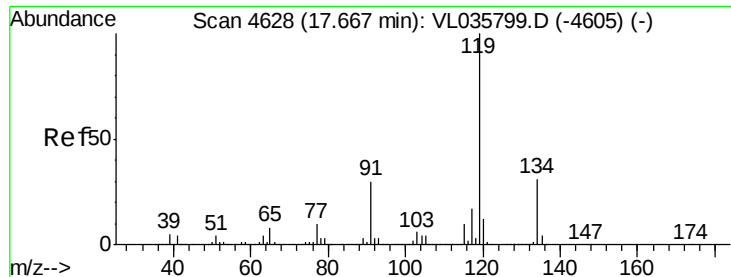


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

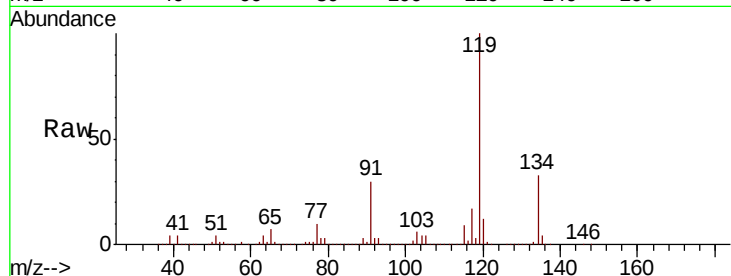




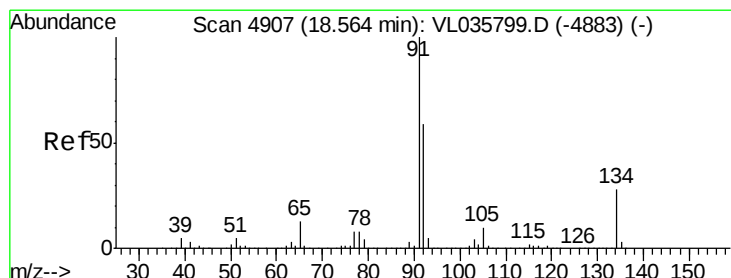
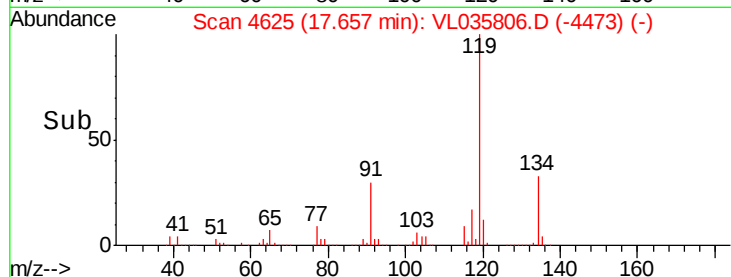
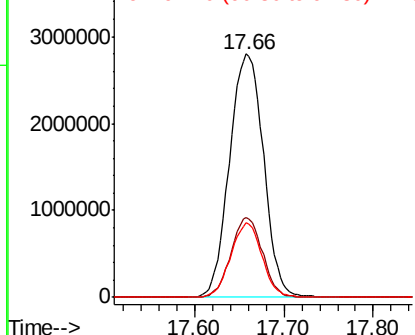
#69
p-Isopropyltoluene
Concen: 6.603 ppbv
RT: 17.66 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:119 Resp: 7400900
Ion Ratio Lower Upper
119 100
134 30.5 23.0 34.6
91 28.2 22.8 34.2

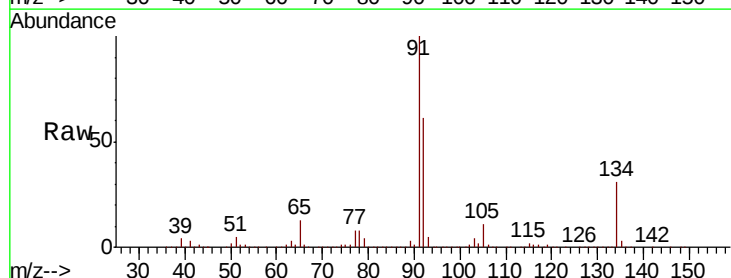


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

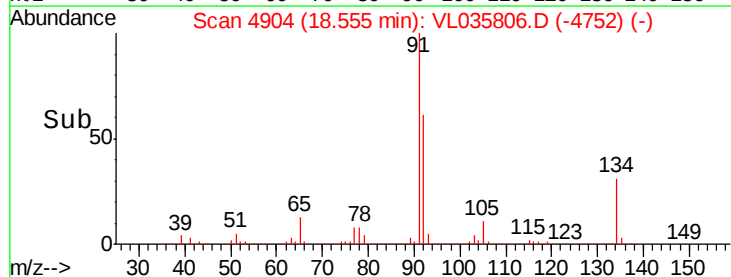
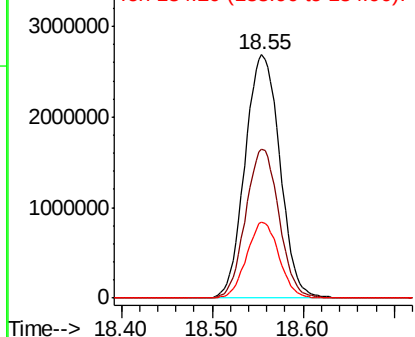


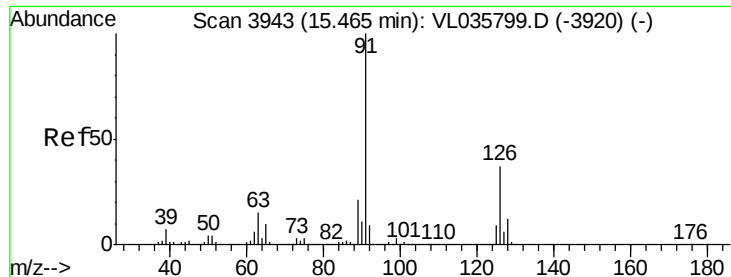
#70
n-Butylbenzene
Concen: 6.622 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 91 Resp: 7148513
Ion Ratio Lower Upper
91 100
92 58.7 45.7 68.5
134 29.2 21.0 31.4



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





#71

2-Chlorotoluene

Concen: 6.886 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

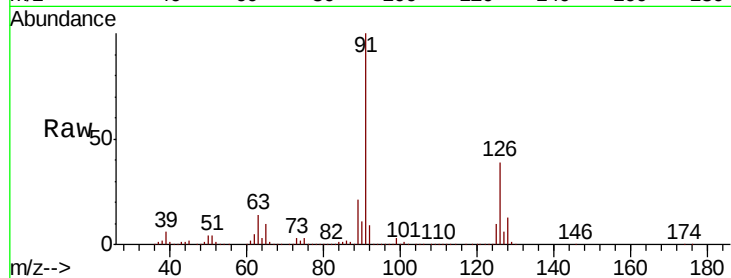
ClientSampled :

Tot Ion: 91 Resp: 5577155

Ion Ratio Lower Upper

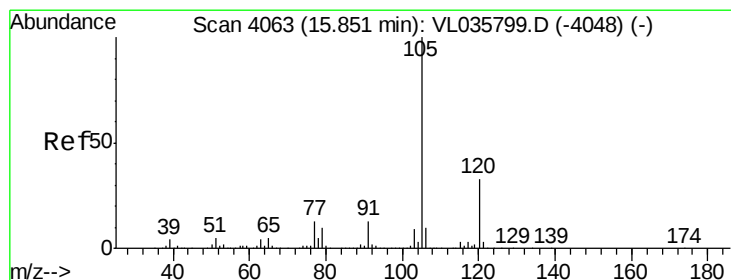
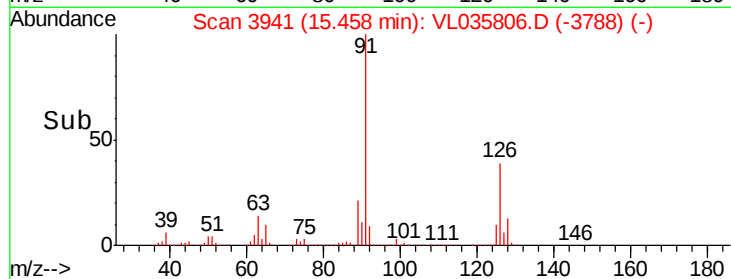
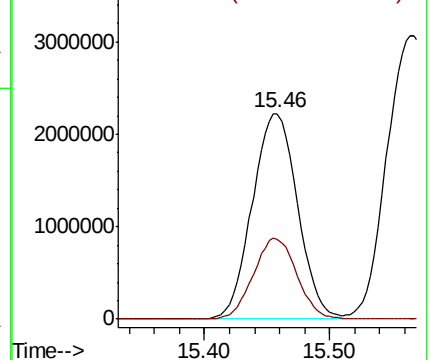
91 100

126 38.1 14.3 57.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 6.953 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion:105 Resp: 5941101

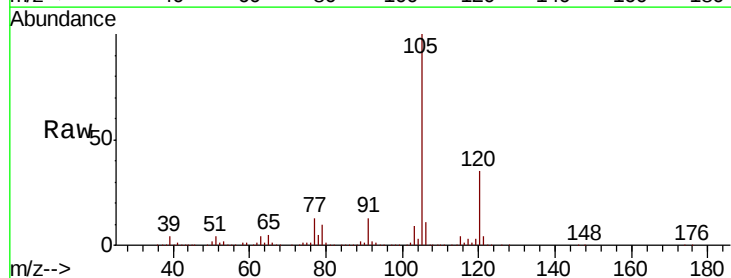
Ion Ratio Lower Upper

105 100

120 33.9 25.9 38.9

91 12.1 9.9 14.9

77 12.3 10.2 15.2

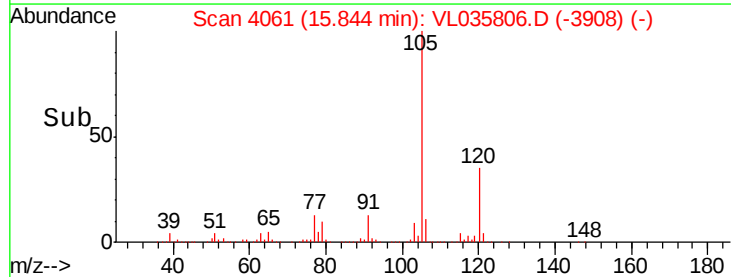
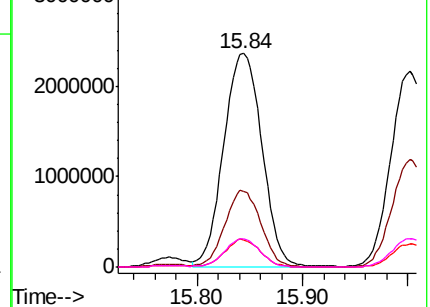


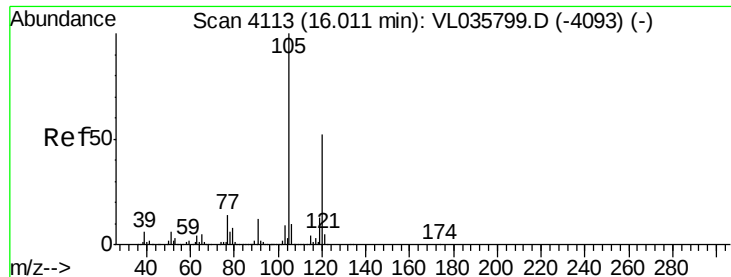
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 6.953 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

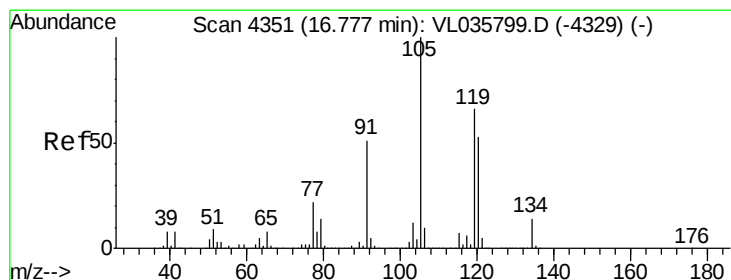
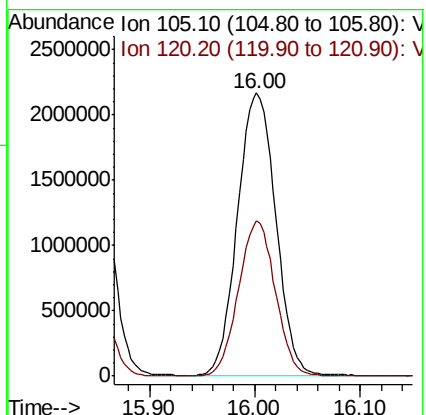
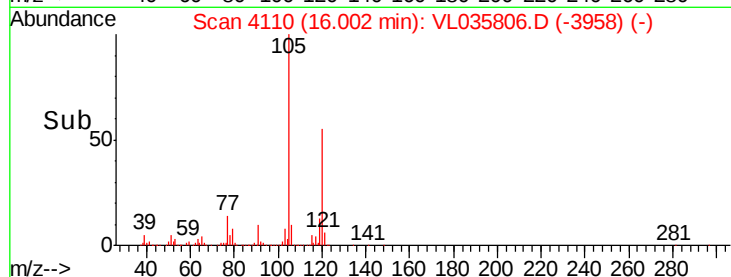
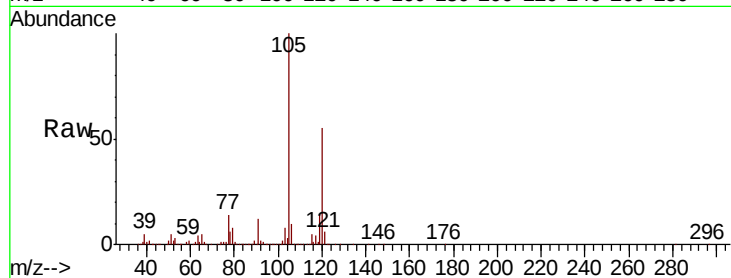
ClientSampled :

Tot Ion:105 Resp: 5436932

Ion Ratio Lower Upper

105 100

120 54.9 41.4 62.2



#74

1,2,4-Trimethylbenzene

Concen: 6.513 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion:105 Resp: 5457032

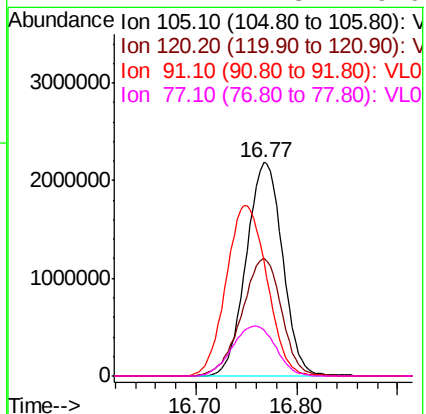
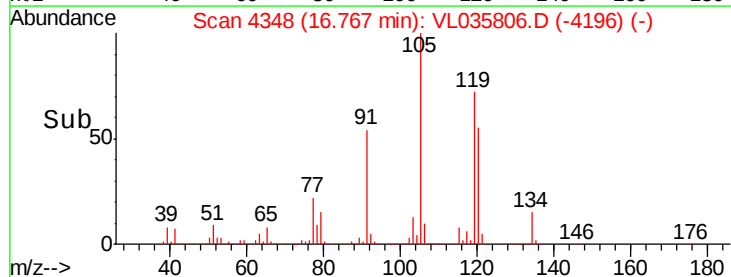
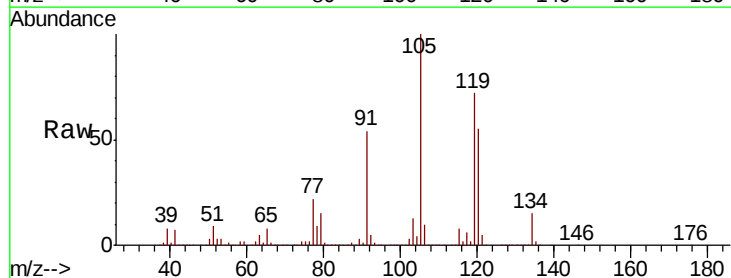
Ion Ratio Lower Upper

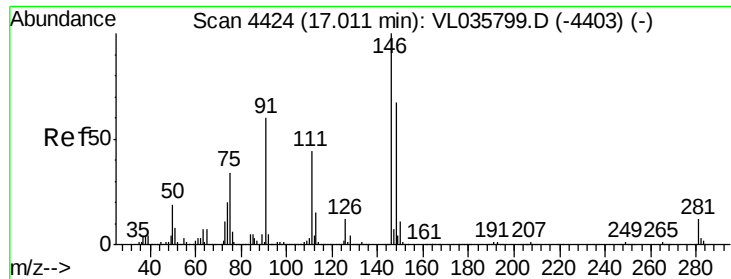
105 100

120 55.1 42.0 63.0

91 53.9 41.0 61.6

77 21.7 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 6.757 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

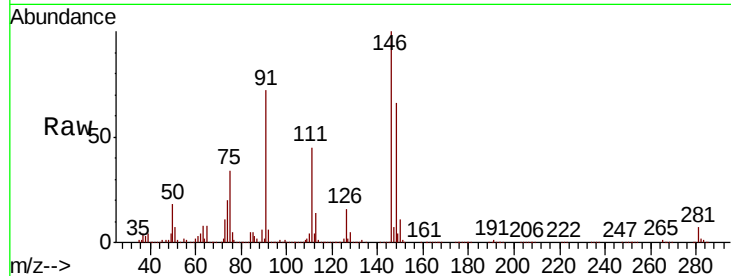
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3604663

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.4
148	65.5	32.5	97.5

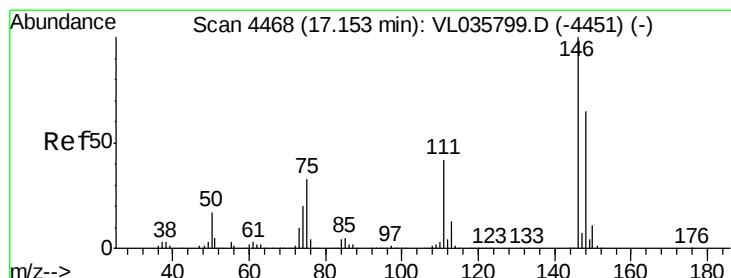
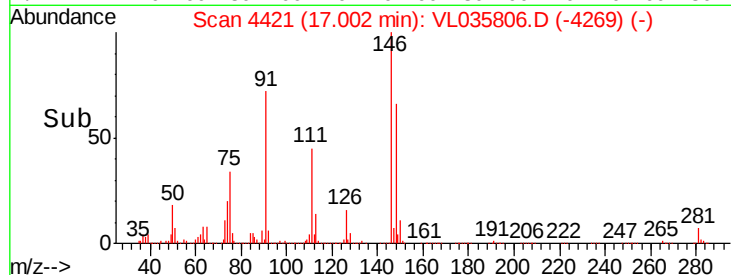
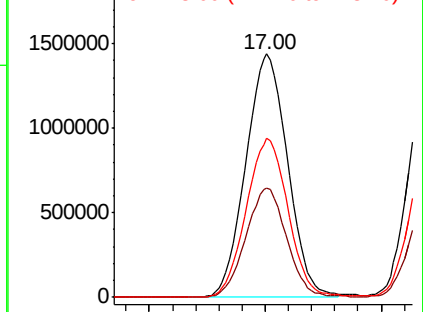


Abundance

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: 7.033 ppbv

RT: 17.14 min Scan# 4465

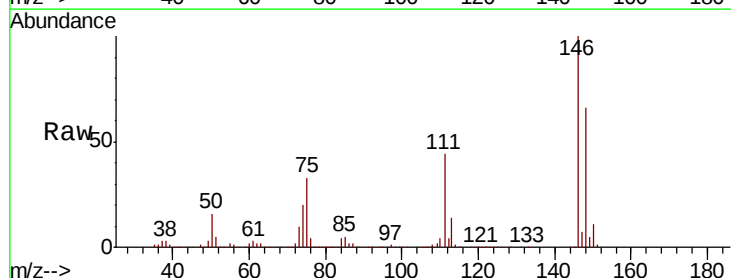
Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion:146 Resp: 3619697

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.7
148	67.1	33.0	99.0

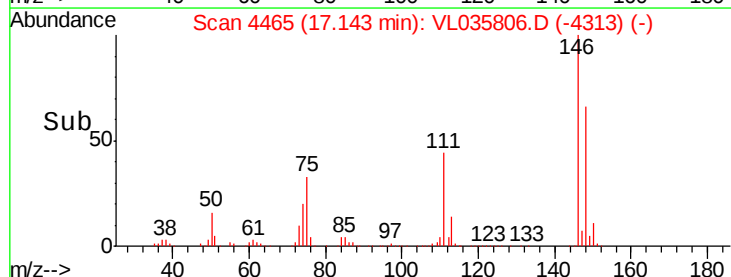
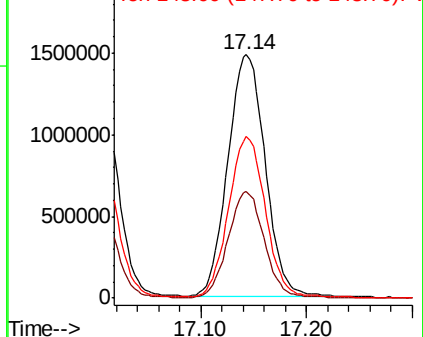


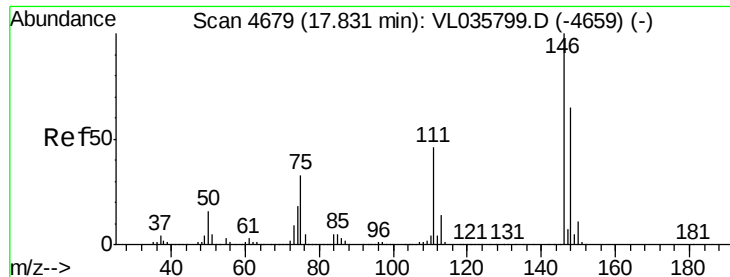
Abundance

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: 6.859 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

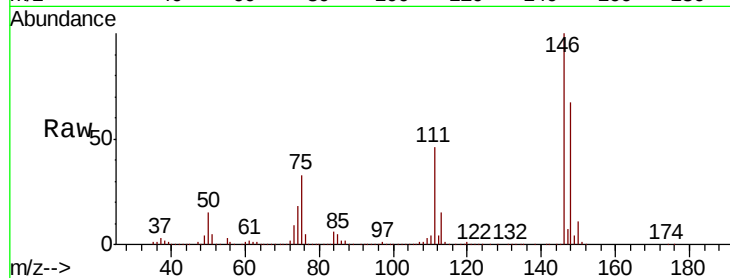
Tot Ion:146 Resp: 3567260

Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.0

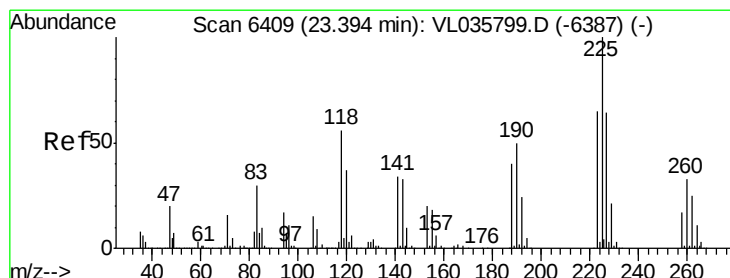
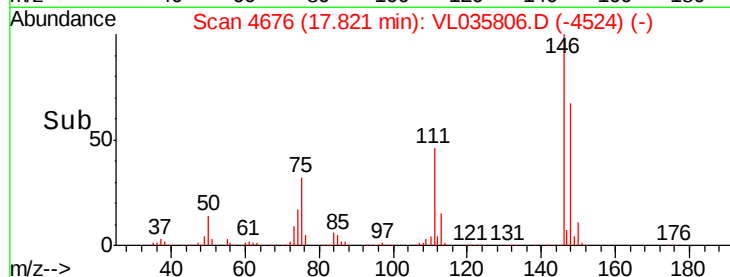
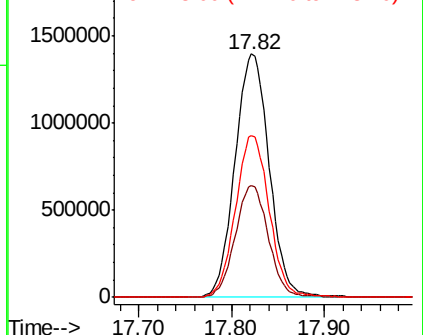
148 65.5 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.704 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

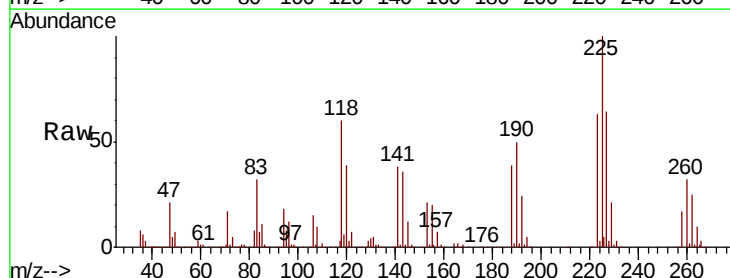
Tgt Ion:225 Resp: 1626864

Ion Ratio Lower Upper

225 100

223 64.0 51.0 76.6

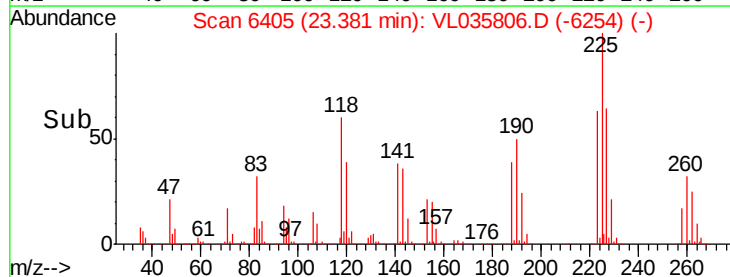
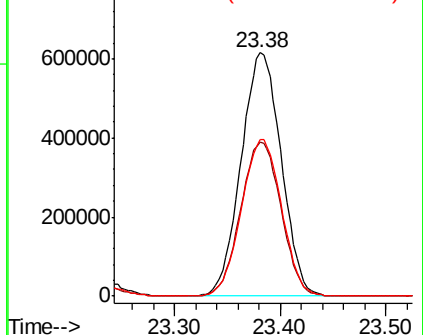
227 64.5 51.2 76.8

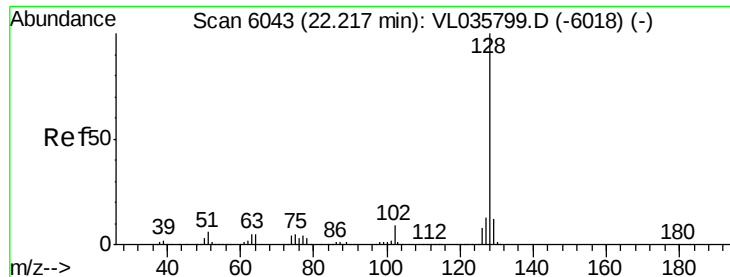


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

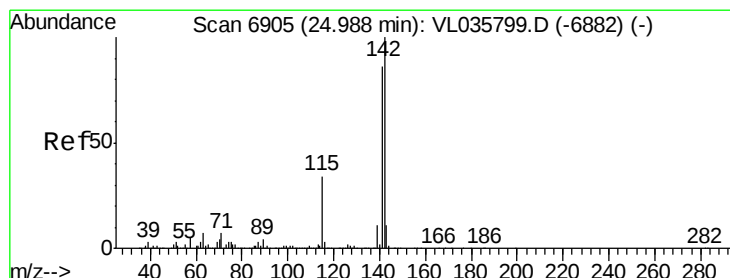
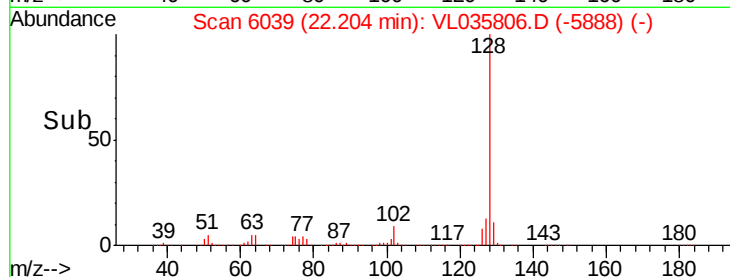
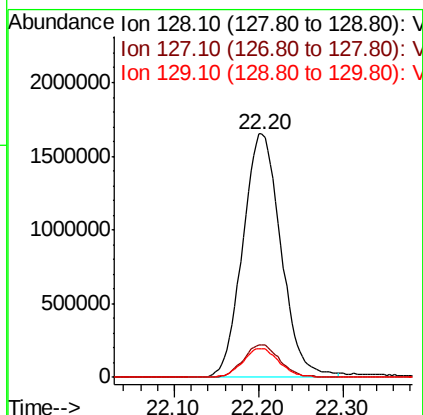
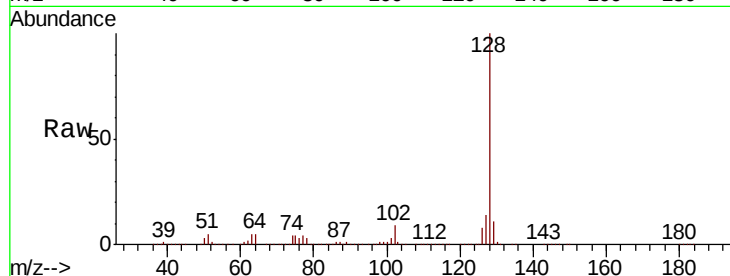




#79
Naphthalene
Concen: 8.907 ppbv
RT: 22.20 min Scan# 6039
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

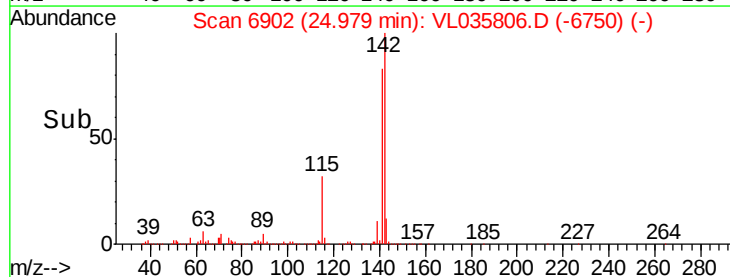
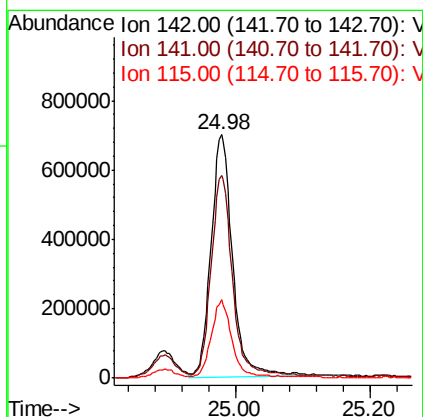
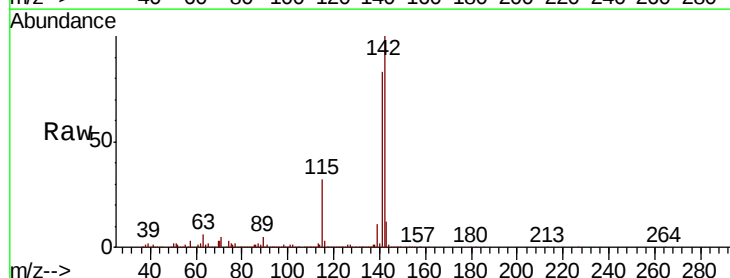
Instrument :
MSVOA_L
ClientSampled :

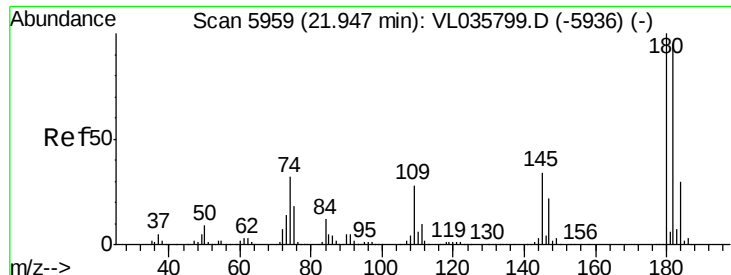
Tot Ion:128 Resp: 5202383
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.5 9.2 13.8



#80
Naphthalene, 2-methyl-
Concen: 16.394 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion:142 Resp: 1560503
Ion Ratio Lower Upper
142 100
141 83.8 67.8 101.8
115 30.5 28.1 42.1

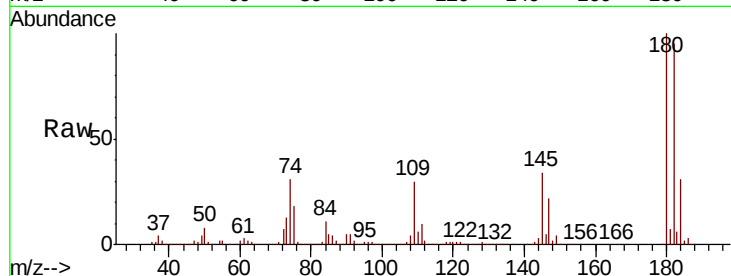




#81
 1,2,4-Trichlorobenzene
 Concen: 7.886 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2573500
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.2 115.8
 184 31.4 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

