

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035894.D
 Acq On : 10 Nov 2020 17:50
 Operator : SY/AP
 Sample : VL1110ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Quant Time: Nov 11 01:22:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1148753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4404639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5326439	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3208044	8.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1709895	7.906	ppbv 99
3) Chlorodifluoromethane	2.98	51	1270960	9.239	ppbv 99
4) Chloromethane	3.13	50	634007	9.487	ppbv 99
5) Vinyl Chloride	3.25	62	782877	9.190	ppbv 98
6) Bromomethane	3.46	94	640331	9.346	ppbv 99
7) Chloroethane	3.55	64	291321	9.716	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2248365	9.084	ppbv 98
9) Propene	3.00	41	473282	9.400	ppbv 99
10) Heptane	8.12	43	1373171	9.874	ppbv 99
11) Trichlorofluoromethane	3.94	101	2684688	9.886	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1965993	9.723	ppbv 100
13) Ethanol	3.59	45	76332	6.988	ppbv 96
14) Bromoethene	3.73	108	840548	9.033	ppbv 99
15) Acetone	3.84	43	1096292	8.927	ppbv 98
16) 1,3-Butadiene	3.31	39	504503	9.541	ppbv 98
17) tert-Butyl alcohol	4.28	59	1453083	8.928	ppbv 100
18) 1,1-Dichloroethene	4.28	96	882517	9.506	ppbv 95
19) Isopropyl Alcohol	3.96	45	685635	9.085	ppbv 99
20) Methylene Chloride	4.33	84	720326	8.332	ppbv 99
21) Allyl Chloride	4.40	41	652636	9.827	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	912370	9.695	ppbv 98
23) Vinyl Acetate	5.07	43	1566117	9.097	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1541804	9.401	ppbv 99
25) Ethyl Acetate	5.67	43	2305680	9.530	ppbv 99
26) Hexane	5.68	57	1231186	9.227	ppbv 99
27) Carbon Disulfide	4.54	76	1902205	9.514	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2113512	8.821	ppbv 100
29) Chloroform	5.74	83	2437595	9.295	ppbv 97
30) Cyclohexane	7.12	84	1290617	8.881	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	1290110	9.399	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2402452	8.779	ppbv 99
34) 2-Butanone	5.24	43	1474495	10.315	ppbv 98
35) Carbon Tetrachloride	7.01	117	2392433	10.166	ppbv 98
36) Benzene	6.89	78	3056445	9.334	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1541674	10.392	ppbv 98
38) Trichloroethene	7.83	130	1431905	8.952	ppbv 99
39) 1,2-Dichloropropane	7.61	63	1077483	9.773	ppbv 99
40) 1,4-Dioxane	7.83	88	483726	9.258	ppbv 90
41) Tetrahydrofuran	6.04	42	865401	10.656	ppbv 98
42) Bromodichloromethane	7.79	83	2485987	9.931	ppbv 99
43) Methyl Methacrylate	8.01	69	1249785	10.006	ppbv 97

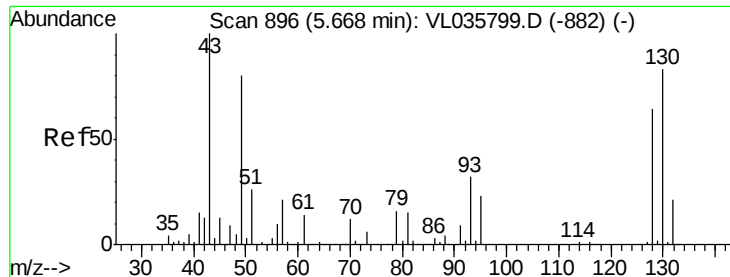
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035894.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4210140	9.716	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1336519	10.094	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1671860	9.970	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1414201	9.414	ppbv	99
48) Dibromochloromethane	10.30	129	2349495	10.238	ppbv	100
49) Bromoform	13.04	173	1974566	10.196	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2298362	10.515	ppbv	98
51) 2-Hexanone	10.13	43	1860816	10.597	ppbv	98
52) Tetrachloroethene	11.22	164	1337334	8.620	ppbv	99
53) Toluene	9.80	91	3713956	9.400	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2161492	9.461	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1816454	7.598	ppbv #	93
57) Chlorobenzene	12.15	112	3022945	7.138	ppbv	100
58) Ethyl Benzene	12.71	91	4808993	7.413	ppbv	100
59) m/p-Xylene	13.00	91	4465867	8.137	ppbv #	42
60) o-Xylene	13.69	91	3978509	7.452	ppbv	99
61) Styrene	13.53	104	2962807	7.574	ppbv	99
62) Isopropylbenzene	14.67	105	5995322	7.144	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2801670	6.772	ppbv	100
64) n-propylbenzene	15.56	120	1745717	7.197	ppbv	97
65) tert-Butylbenzene	16.74	119	5326935	6.974	ppbv	99
66) Benzyl Chloride	16.99	91	1782320	7.059	ppbv	99
67) sec-Butylbenzene	17.29	105	7218315	7.012	ppbv	99
69) p-Isopropyltoluene	17.65	119	5946561	7.000	ppbv	100
70) n-Butylbenzene	18.55	91	5791061	7.079	ppbv	100
71) 2-Chlorotoluene	15.46	91	4448194	7.247	ppbv	99
72) 4-Ethyltoluene	15.84	105	4693960	7.249	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4318288	7.287	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4468987	7.038	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2798576	6.922	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2713086	6.956	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2706369	6.867	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1294987	7.042	ppbv	99
79) Naphthalene	22.20	128	3043419	6.876	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	517543	7.175	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	1655406	6.694	ppbv	98

(#) = 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: VL035894.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

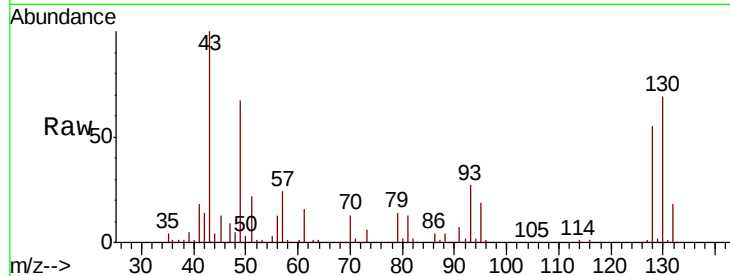
Tot Ion: 49 Resp: 1148753

Ion Ratio Lower Upper

49 100

128 82.3 41.5 124.6

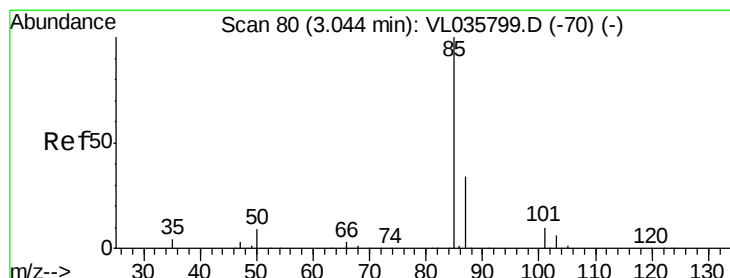
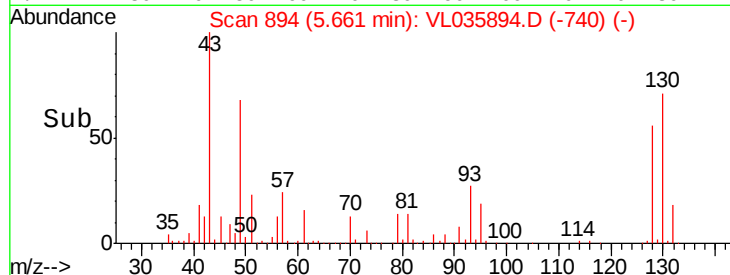
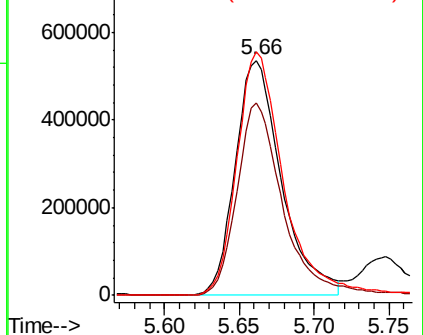
130 106.6 53.7 161.1



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: 7.906 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035894.D

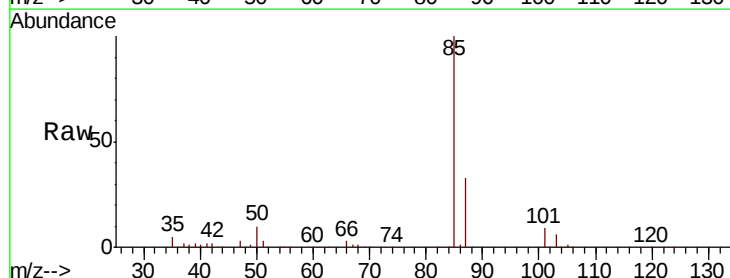
Acq: 10 Nov 2020 17:50

Tgt Ion: 85 Resp: 1709895

Ion Ratio Lower Upper

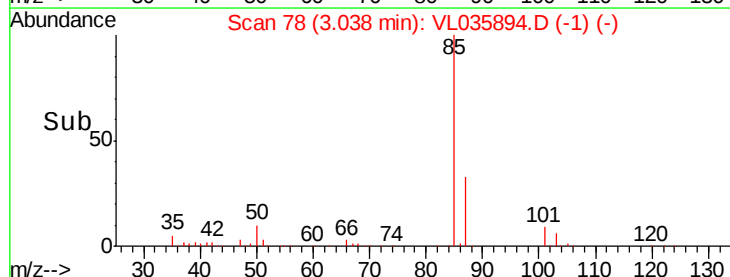
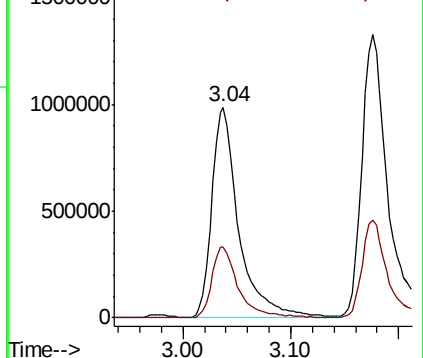
85 100

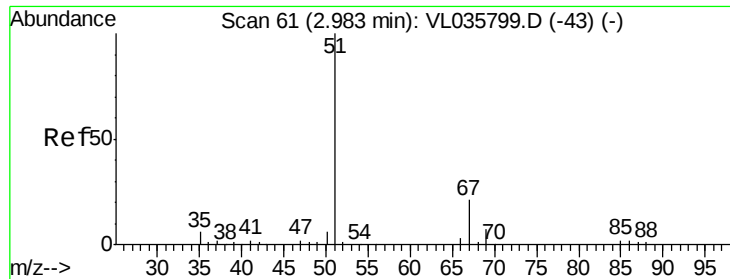
87 33.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.239 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

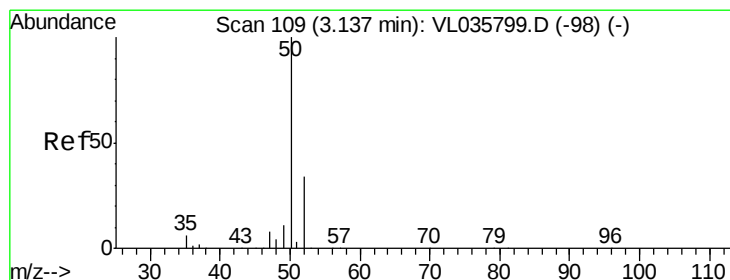
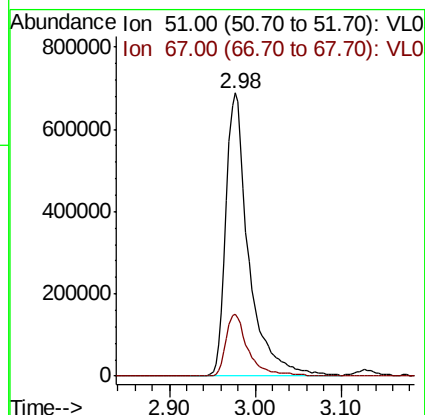
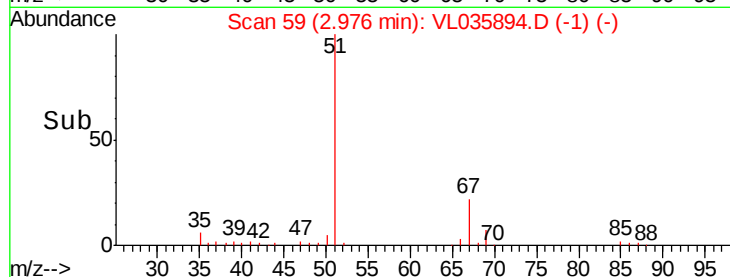
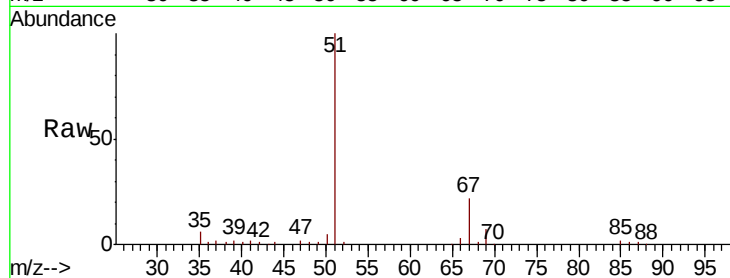
VL1110ABS01

Tot Ion: 51 Resp: 1270960

Ion Ratio Lower Upper

51 100

67 21.7 17.0 25.4



#4

Chloromethane

Concen: 9.487 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035894.D

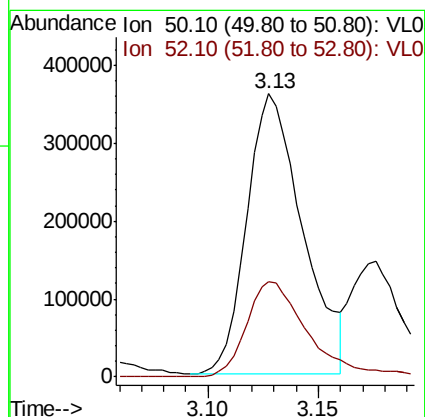
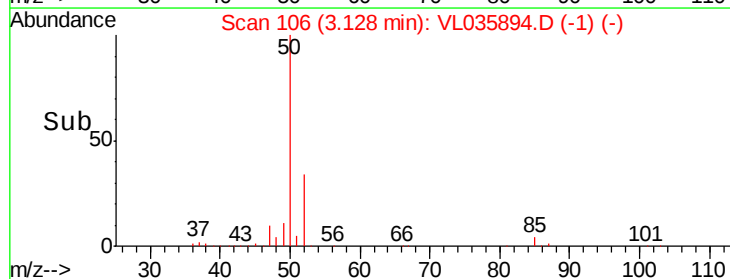
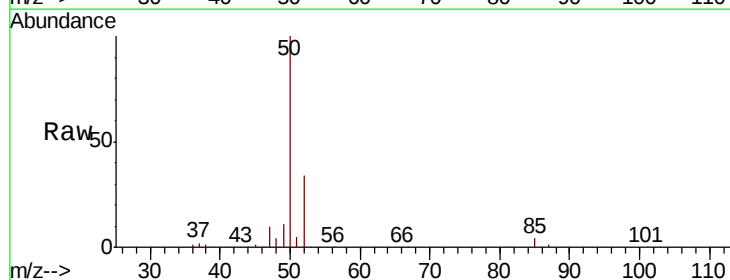
Acq: 10 Nov 2020 17:50

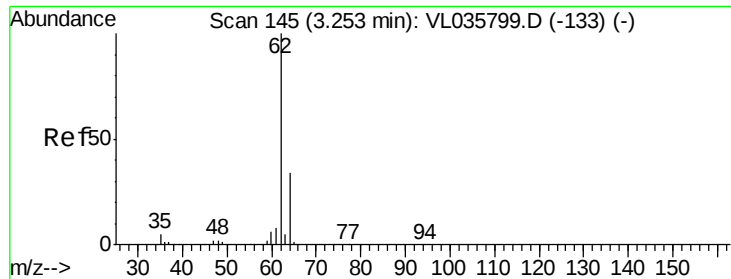
Tgt Ion: 50 Resp: 634007

Ion Ratio Lower Upper

50 100

52 34.2 27.1 40.7





#5

Vinyl Chloride

Concen: 9.190 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

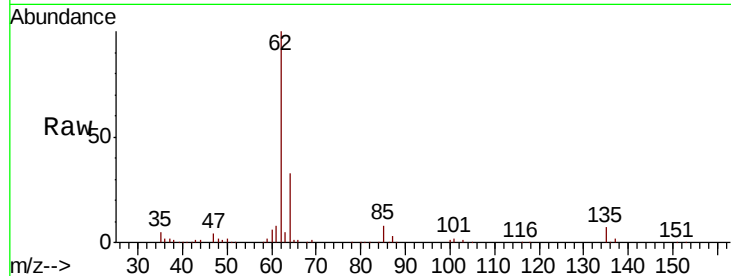
VL1110ABS01

Tot Ion: 62 Resp: 782877

Ion Ratio Lower Upper

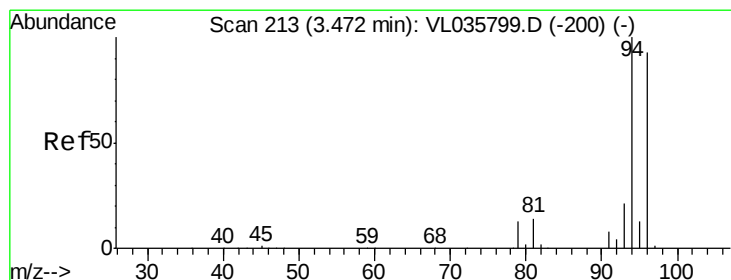
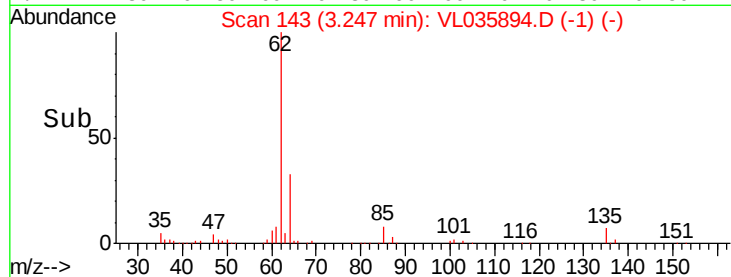
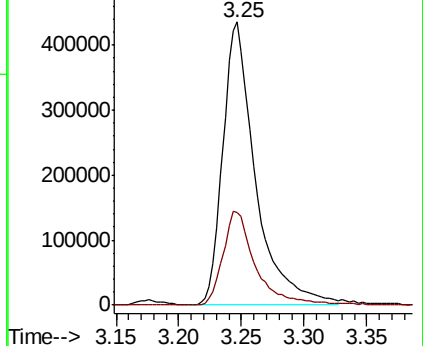
62 100

64 32.7 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.346 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035894.D

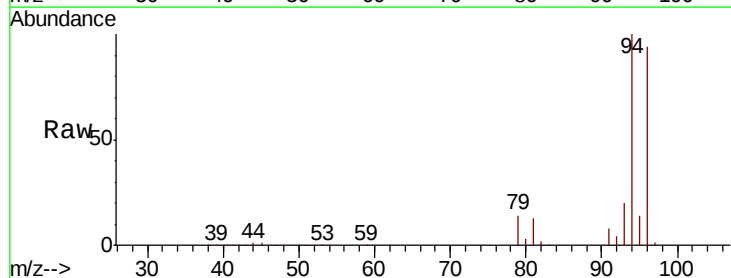
Acq: 10 Nov 2020 17:50

Tgt Ion: 94 Resp: 640331

Ion Ratio Lower Upper

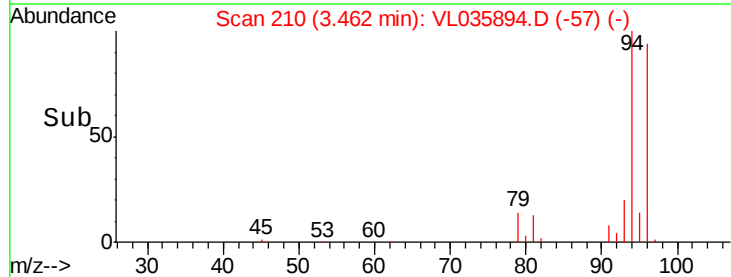
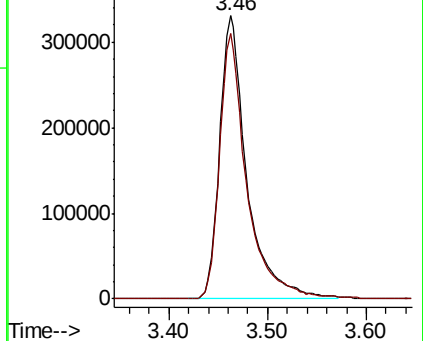
94 100

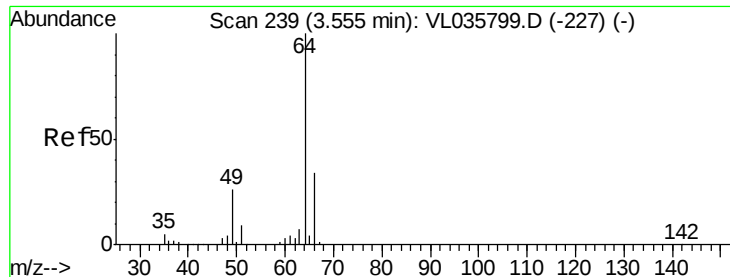
96 93.7 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.716 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

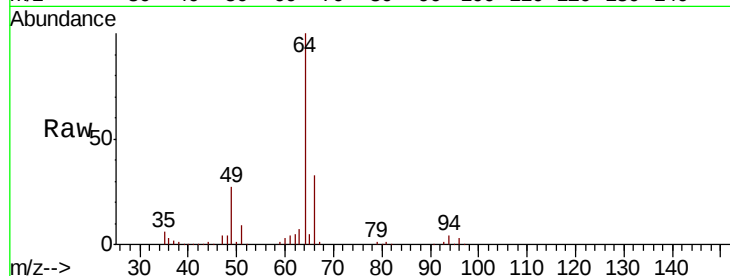
VL1110ABS01

Tot Ion: 64 Resp: 291321

Ion Ratio Lower Upper

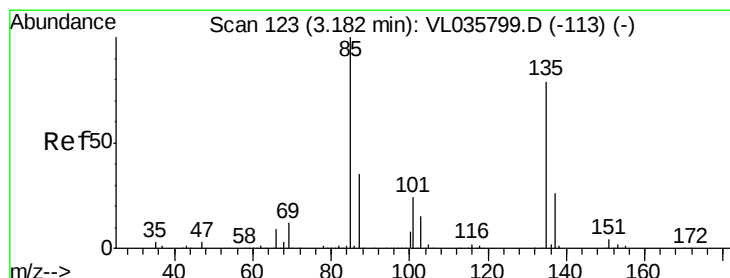
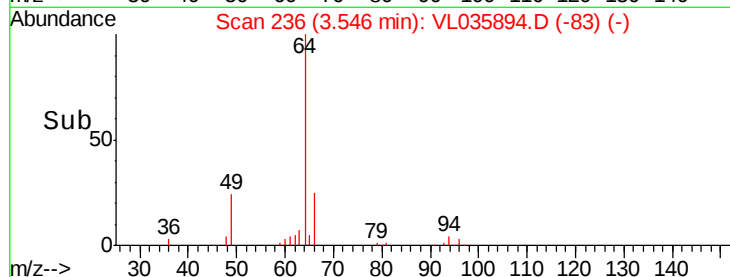
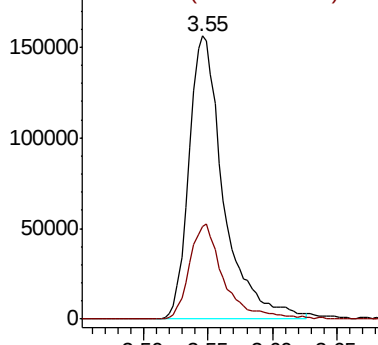
64 100

66 33.0 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: 9.084 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035894.D

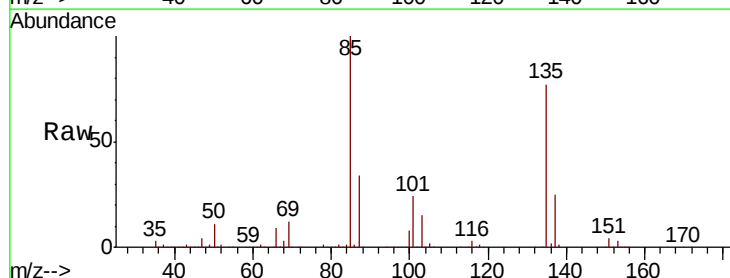
Acq: 10 Nov 2020 17:50

Tgt Ion: 85 Resp: 2248365

Ion Ratio Lower Upper

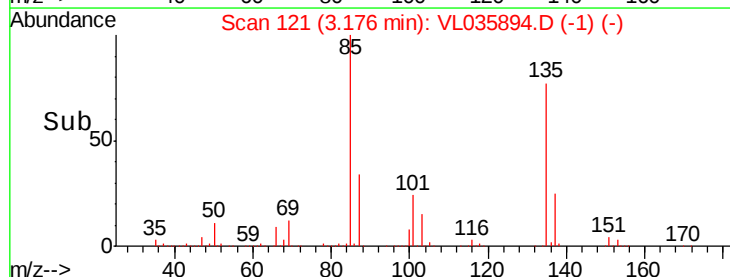
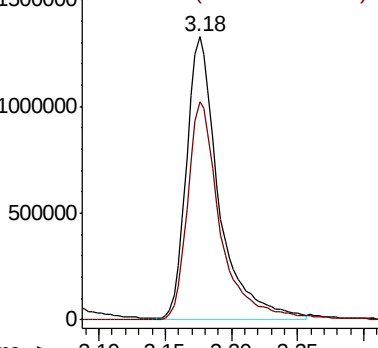
85 100

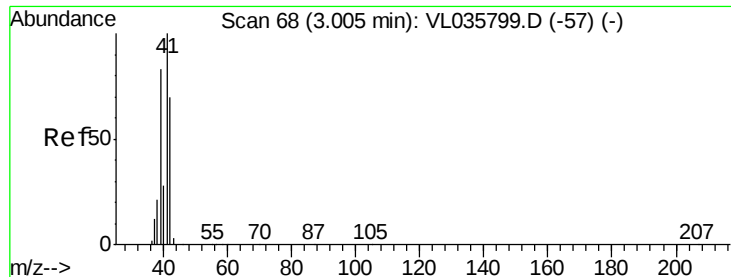
135 79.2 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.400 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

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ClientSampleId :

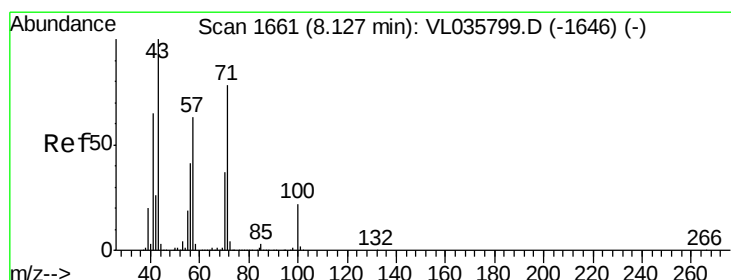
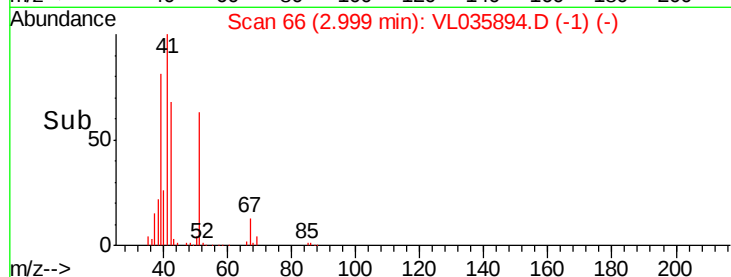
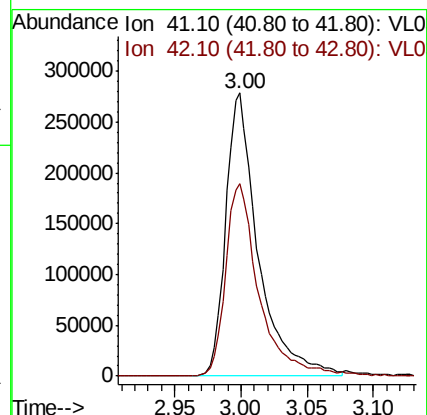
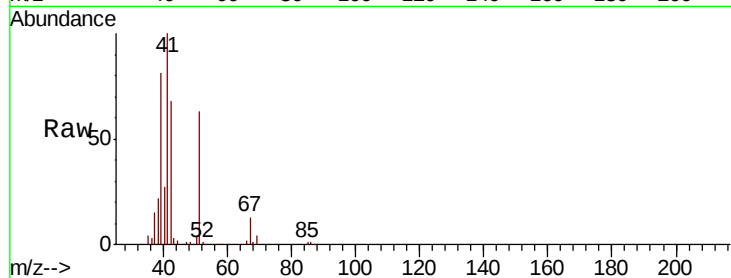
VL1110ABS01

Tot Ion: 41 Resp: 473282

Ion Ratio Lower Upper

41 100

42 70.9 56.2 84.4



#10

Heptane

Concen: 9.874 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035894.D

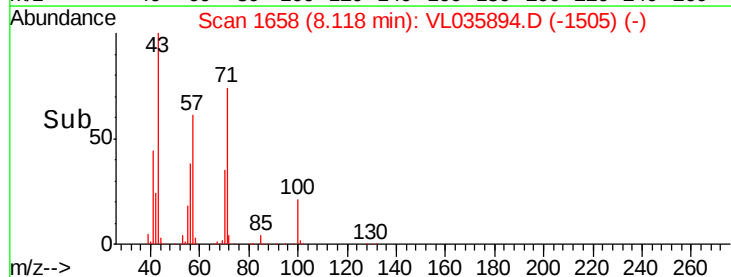
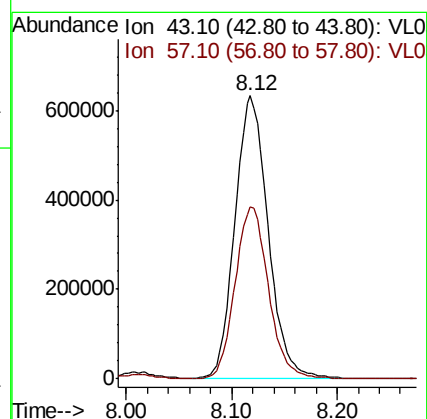
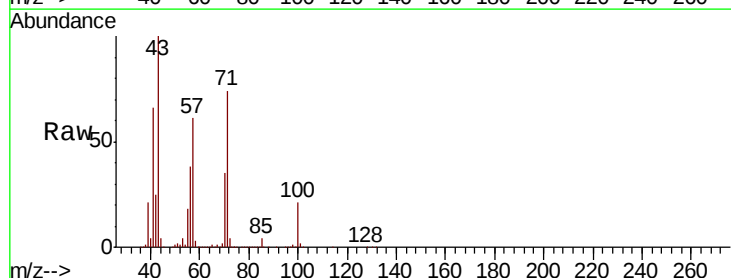
Acq: 10 Nov 2020 17:50

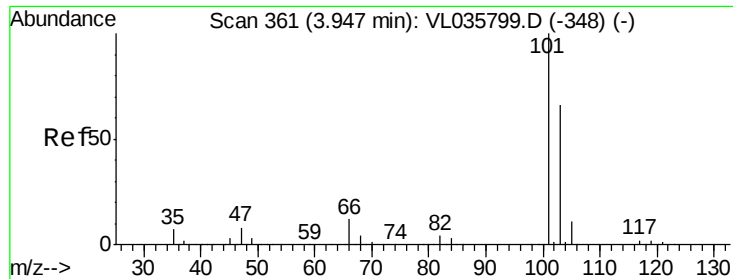
Tgt Ion: 43 Resp: 1373171

Ion Ratio Lower Upper

43 100

57 61.9 50.0 75.0

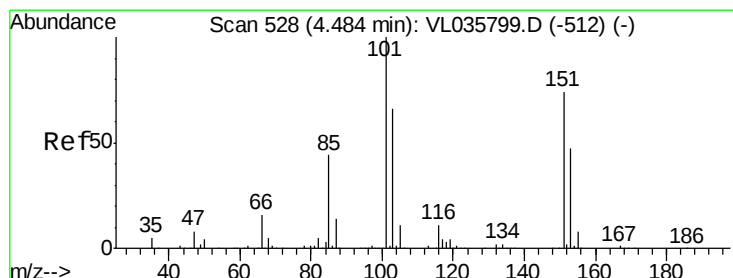
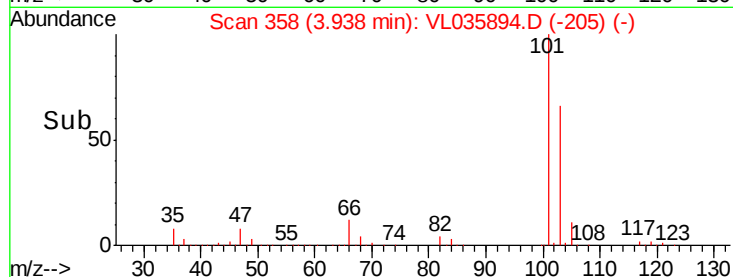
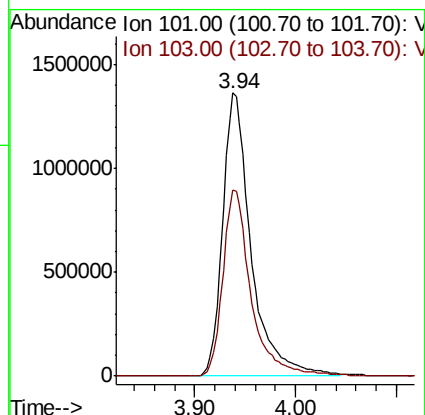
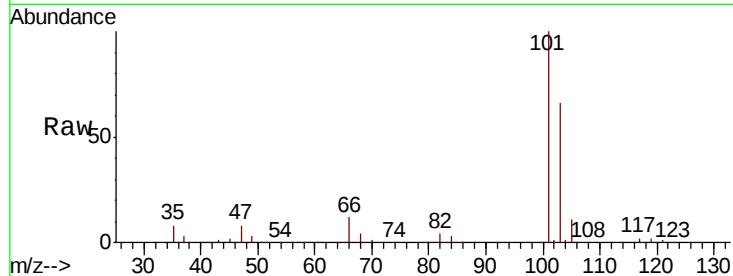




#11
 Trichlorofluoromethane
 Concen: 9.886 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

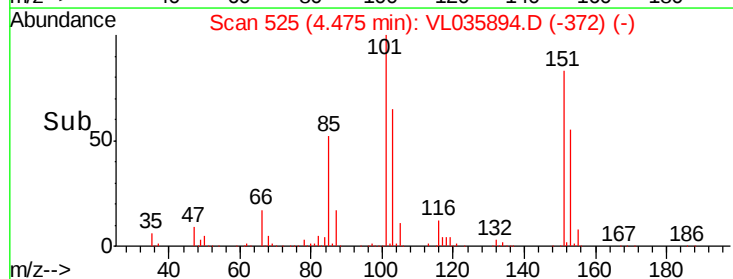
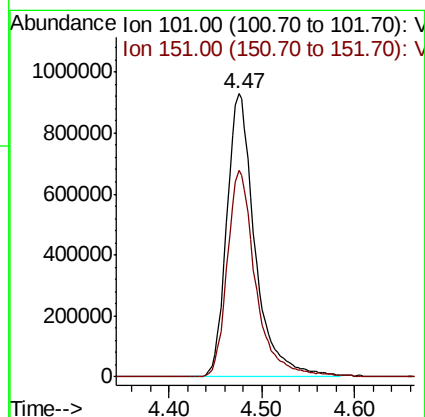
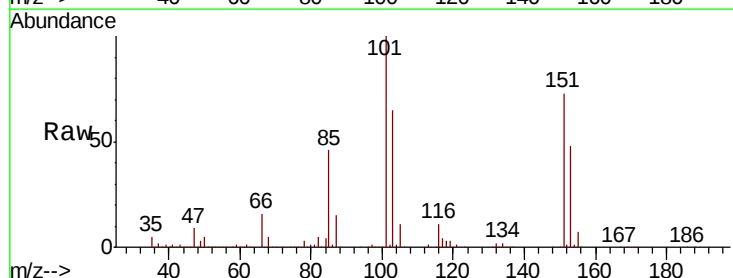
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

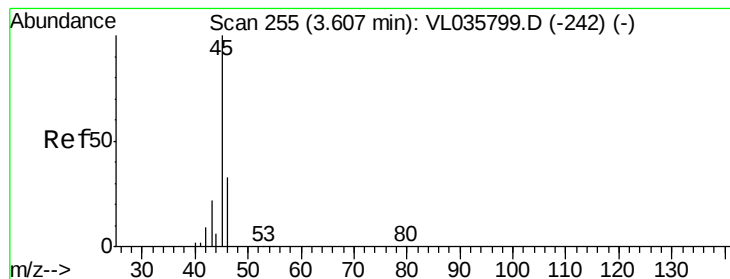
Tot Ion:101 Resp: 2684688
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.723 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion:101 Resp: 1965993
 Ion Ratio Lower Upper
 101 100
 151 73.7 58.9 88.3





#13

Ethanol

Concen: 6.988 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

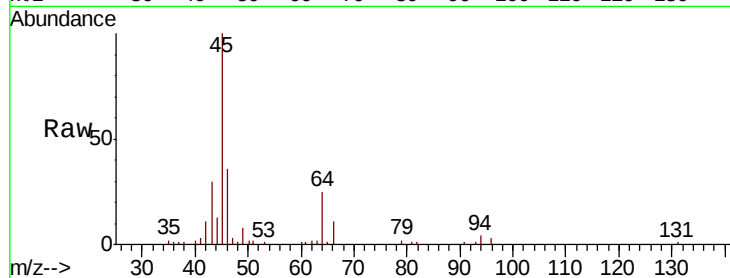
VL1110ABS01

Tot Ion: 45 Resp: 76332

Ion Ratio Lower Upper

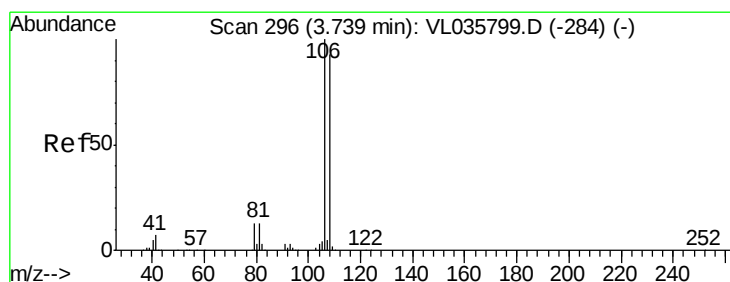
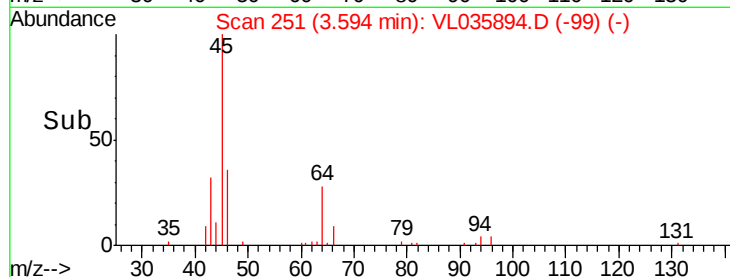
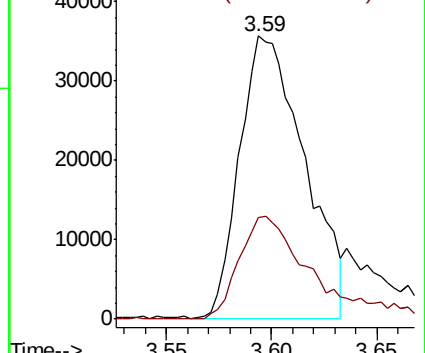
45 100

46 42.9 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: 9.033 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

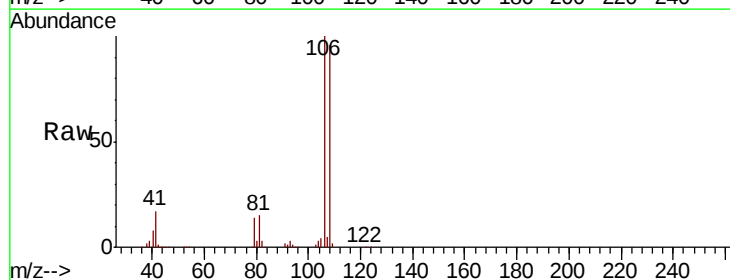
Tgt Ion: 108 Resp: 840548

Ion Ratio Lower Upper

108 100

106 105.5 85.3 127.9

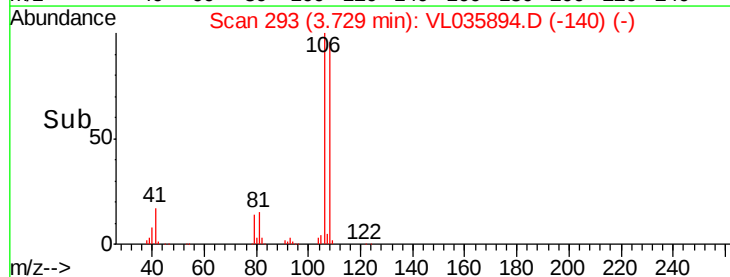
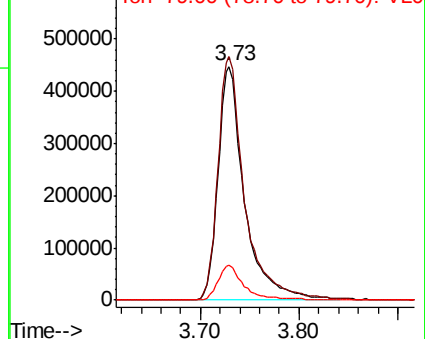
79 15.2 11.6 17.4

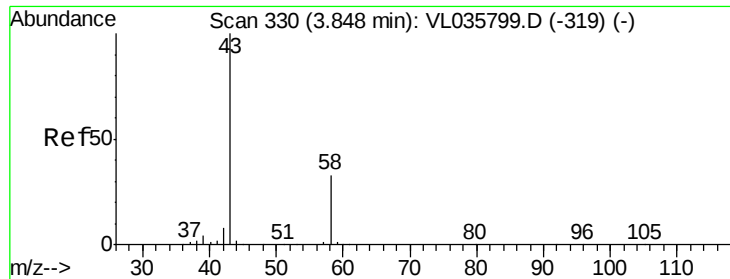


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.927 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

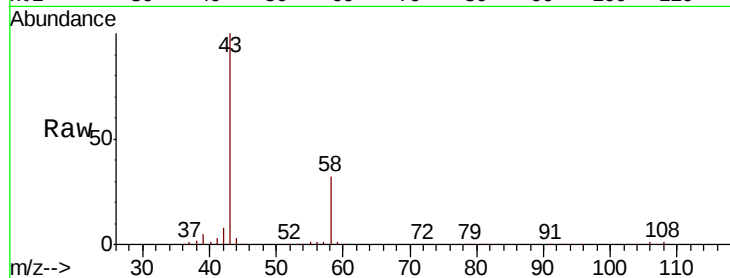
VL1110ABS01

Tot Ion: 43 Resp: 1096292

Ion Ratio Lower Upper

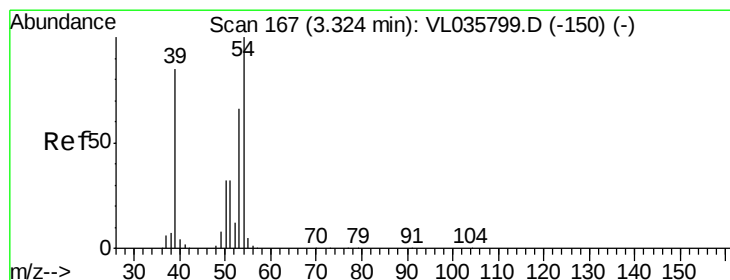
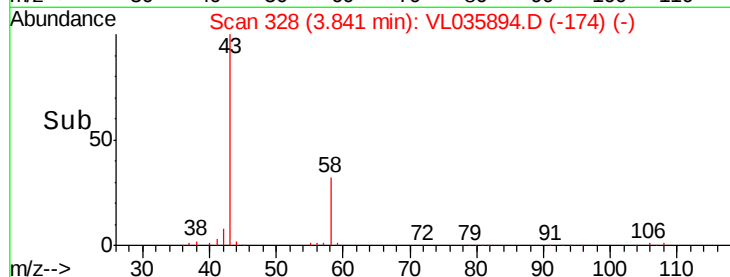
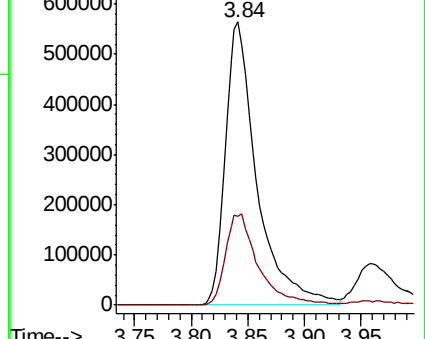
43 100

58 33.4 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.541 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL035894.D

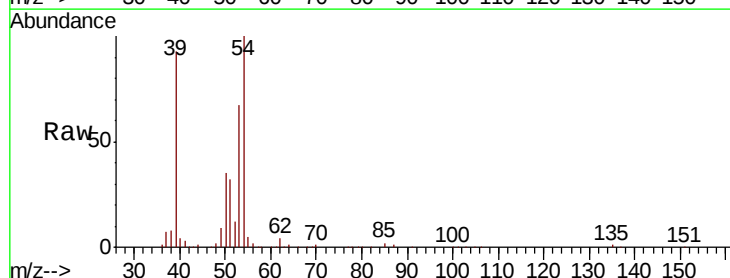
Acq: 10 Nov 2020 17:50

Tgt Ion: 39 Resp: 504503

Ion Ratio Lower Upper

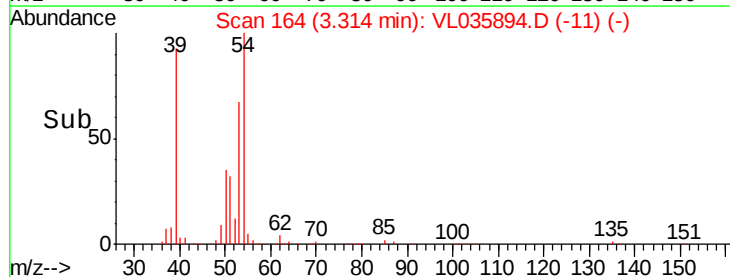
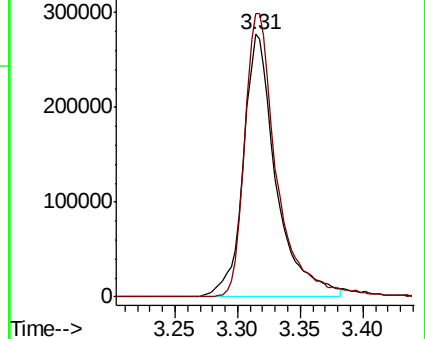
39 100

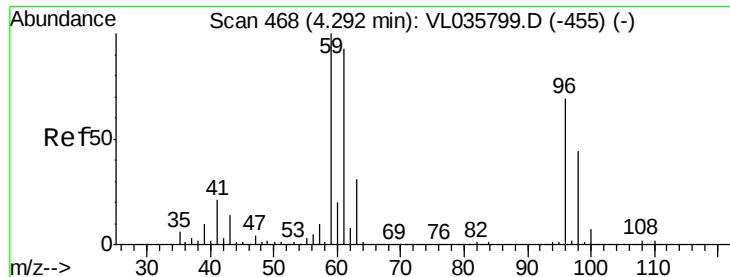
54 106.8 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.928 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

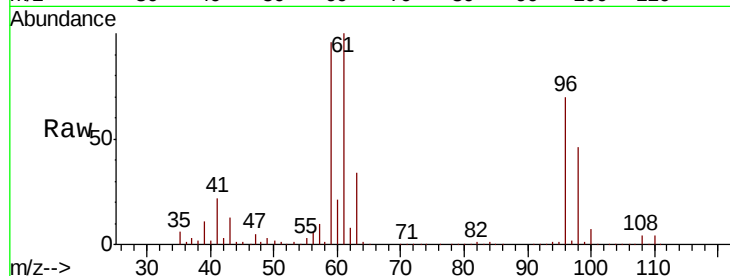
VL1110ABS01

Tot Ion: 59 Resp: 1453083

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

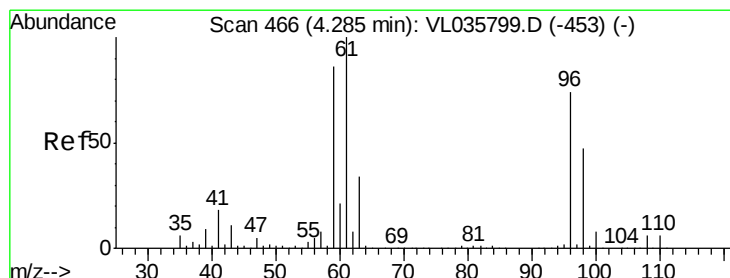
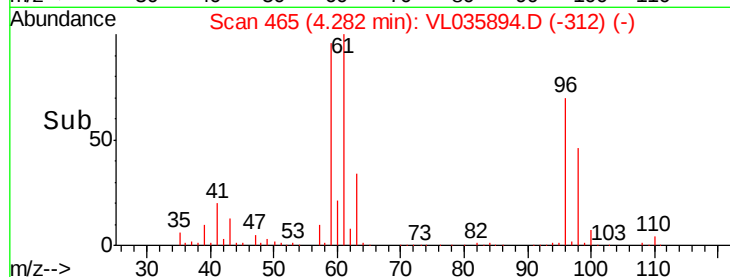
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.506 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

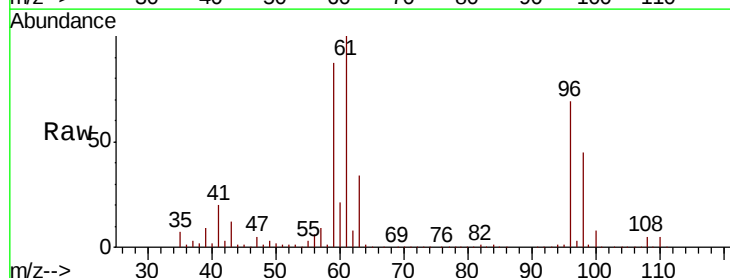
Tgt Ion: 96 Resp: 882517

Ion Ratio Lower Upper

96 100

61 144.4 108.5 162.7

98 64.5 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

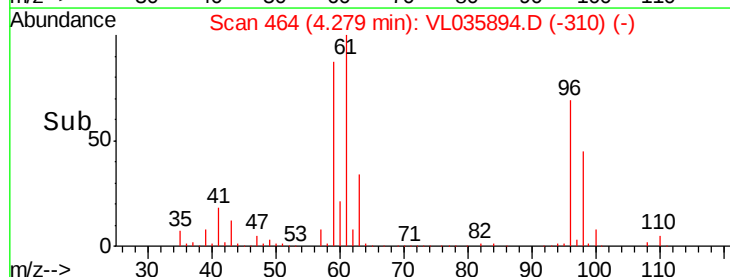
600000

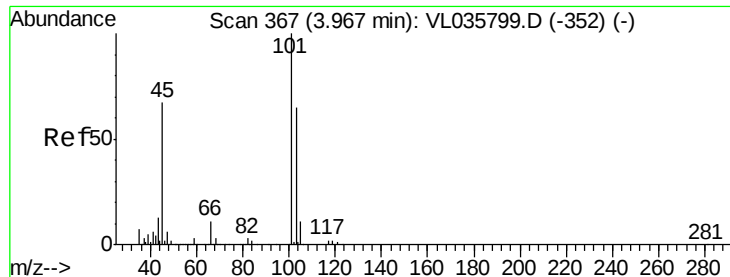
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.085 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

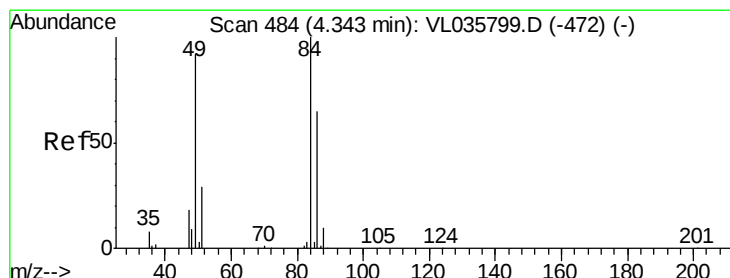
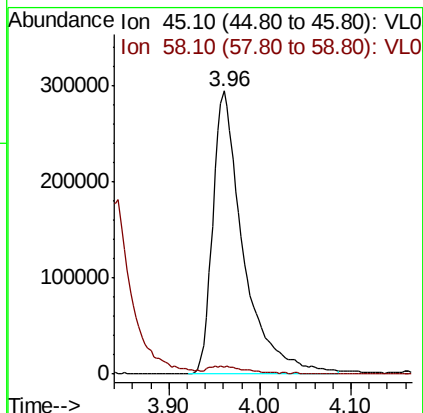
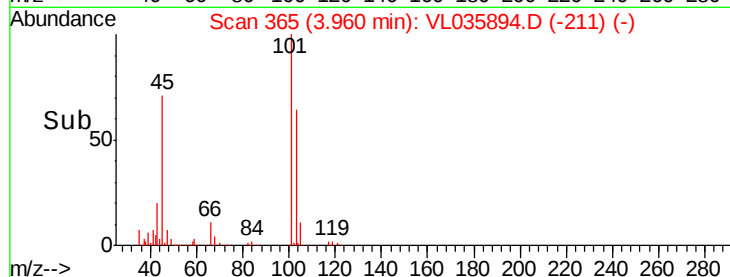
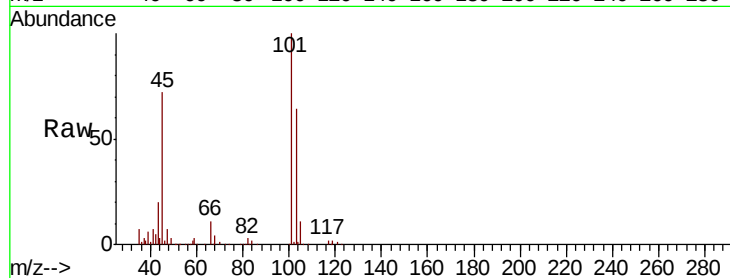
VL1110ABS01

Tot Ion: 45 Resp: 685635

Ion Ratio Lower Upper

45 100

58 3.5 2.6 3.8



#20

Methylene Chloride

Concen: 8.332 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 84 Resp: 720326

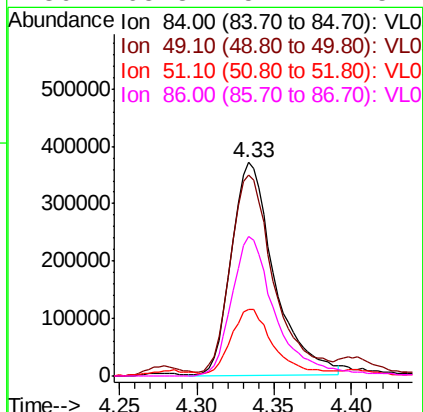
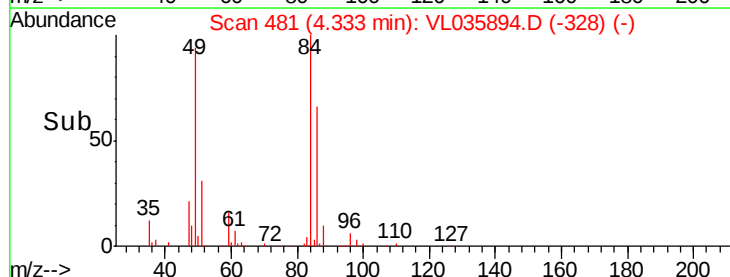
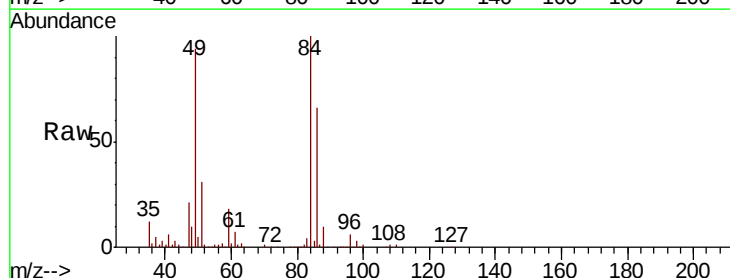
Ion Ratio Lower Upper

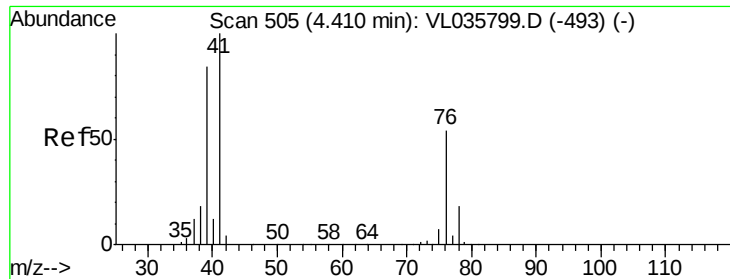
84 100

49 92.1 73.8 110.8

51 29.5 23.0 34.4

86 65.8 52.1 78.1

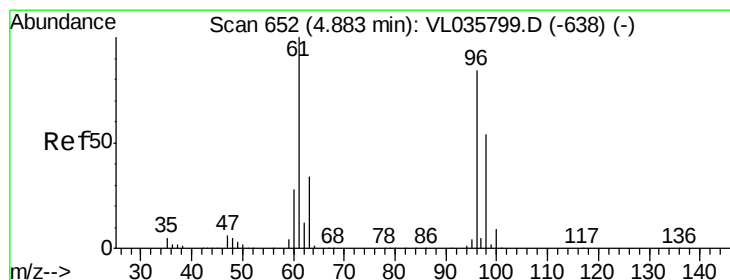
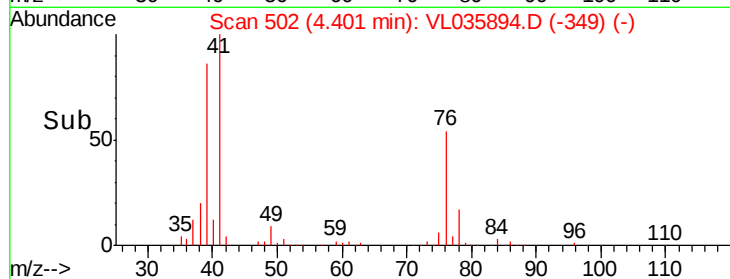
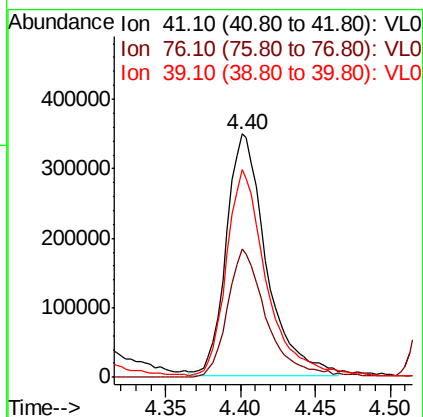
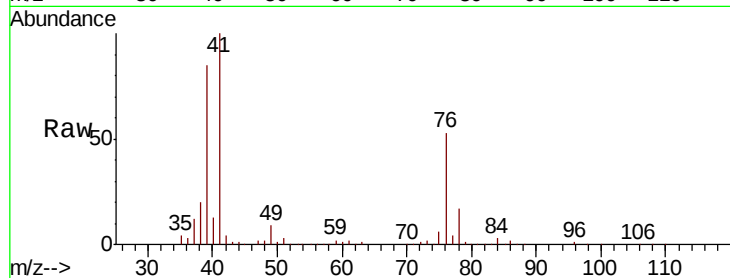




#21
Allvl Chloride
Concen: 9.827 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

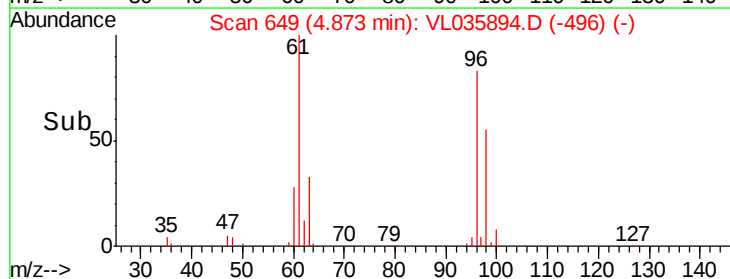
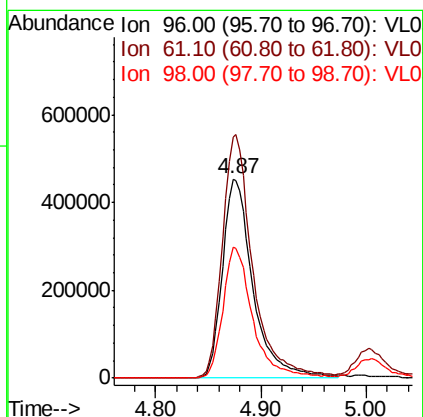
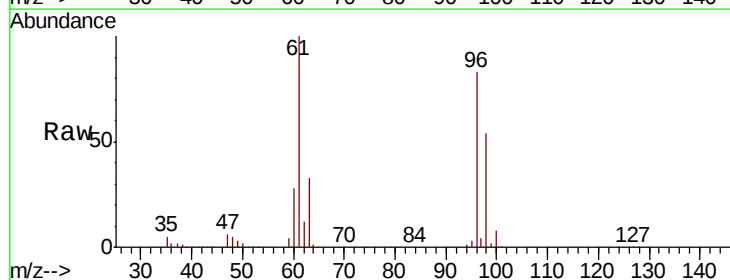
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

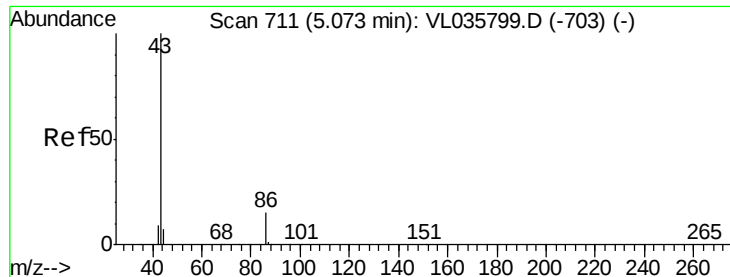
Tot Ion: 41 Resp: 652636
Ion Ratio Lower Upper
41 100
76 52.1 42.6 63.8
39 87.8 67.0 100.4



#22
trans-1,2-Dichloroethene
Concen: 9.695 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 96 Resp: 912370
Ion Ratio Lower Upper
96 100
61 121.0 95.4 143.0
98 65.9 51.8 77.6



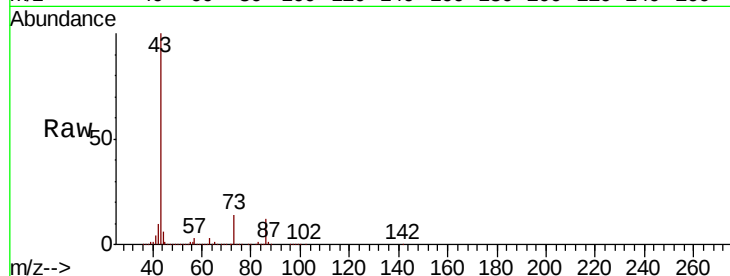


#23
 Vinyl Acetate
 Concen: 9.097 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

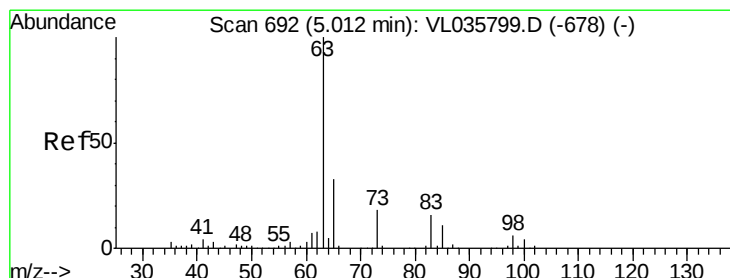
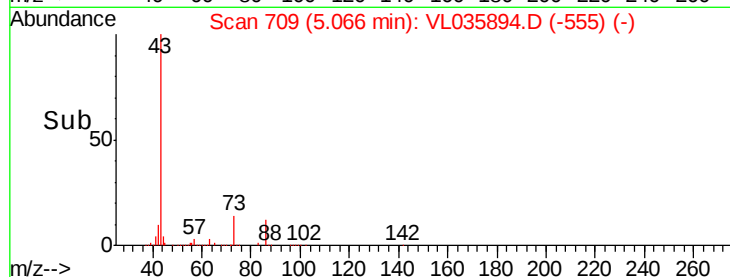
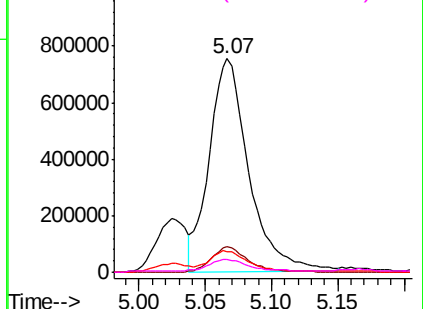
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion: 43 Resp: 1566117

Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.8	14.6
42	9.6	8.1	12.1
44	5.3	4.2	6.4



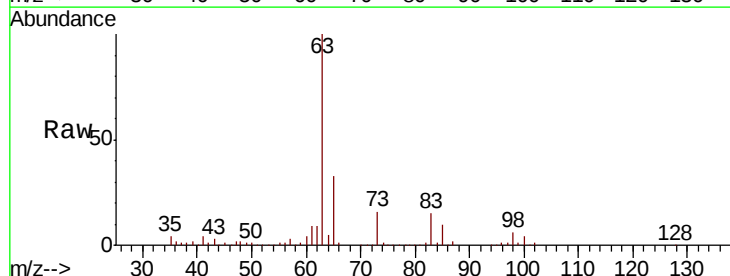
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



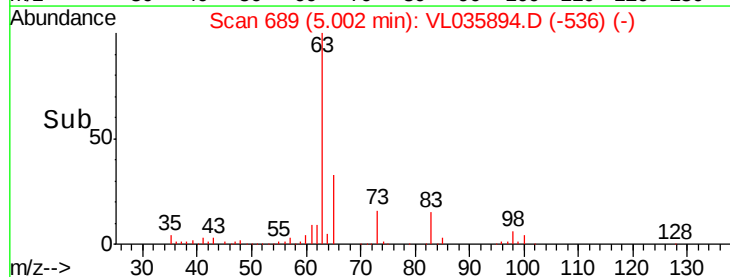
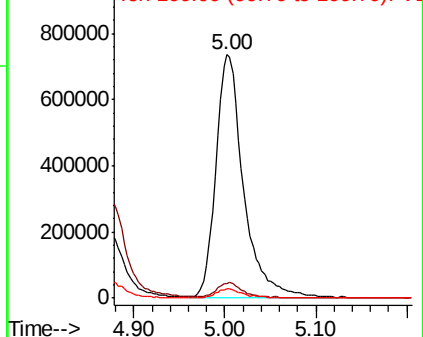
#24
 1,1-Dichloroethane
 Concen: 9.401 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 63 Resp: 1541804

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.2
100	3.7	1.8	5.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0



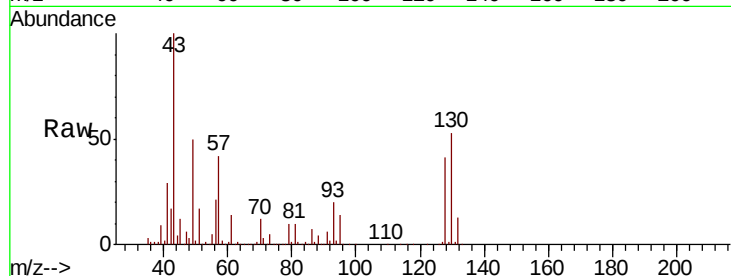


#25
Ethyl Acetate
Concen: 9.530 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleID :
VL1110ABS01

Tot Ion: 43 Resp: 2305680

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	13.0	10.7	16.1
70	10.3	8.6	12.8



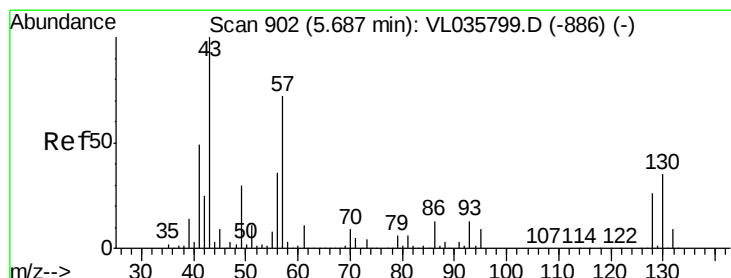
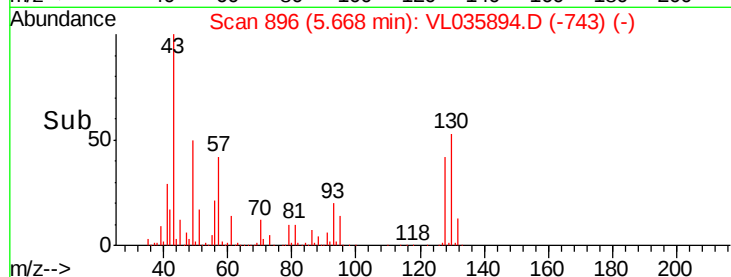
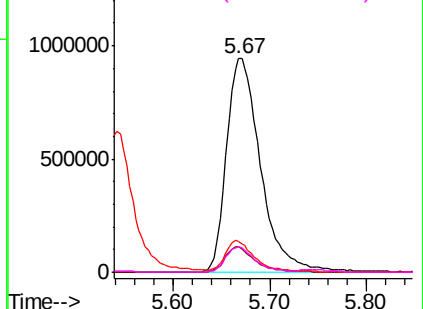
Abundance

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

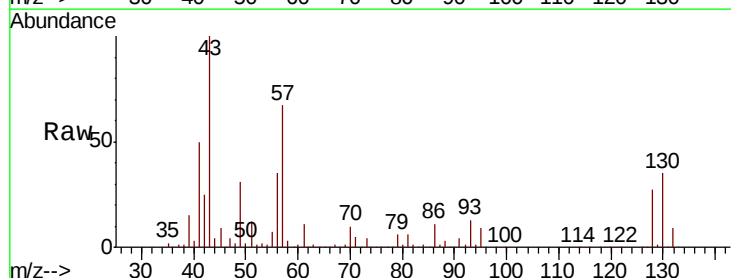
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.227 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 57 Resp: 1231186

Ion	Ratio	Lower	Upper
57	100		
41	75.9	58.9	88.3
43	189.2	150.2	225.2
56	53.5	42.4	63.6



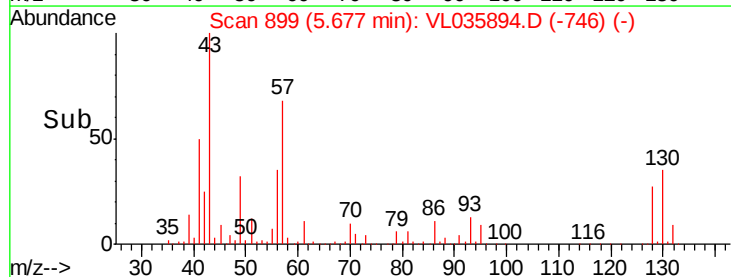
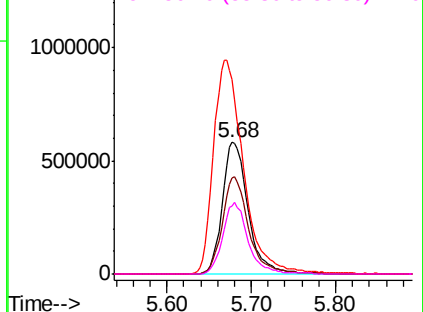
Abundance

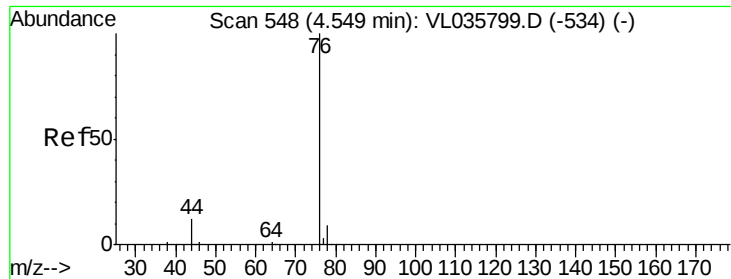
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

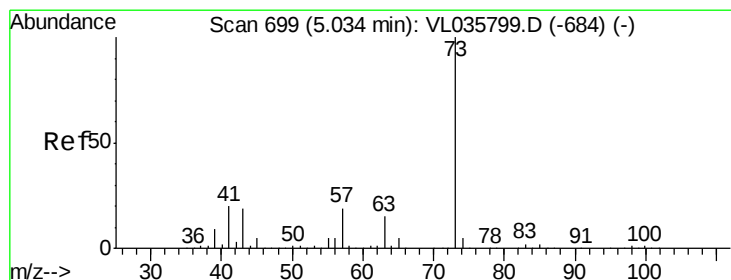
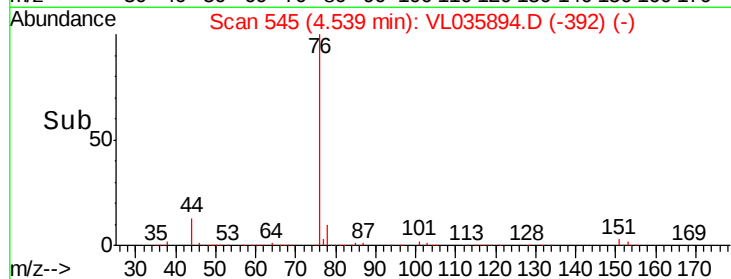
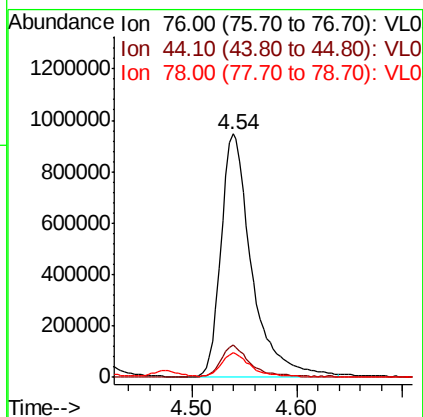
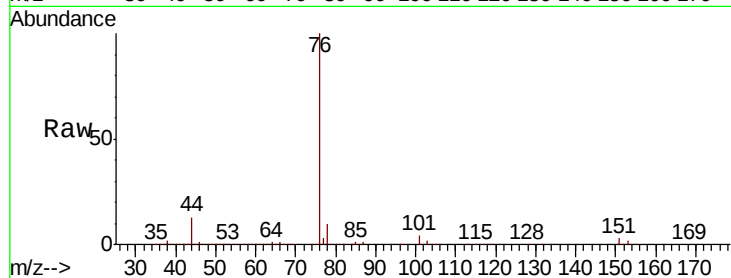




#27
Carbon Disulfide
Concen: 9.514 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

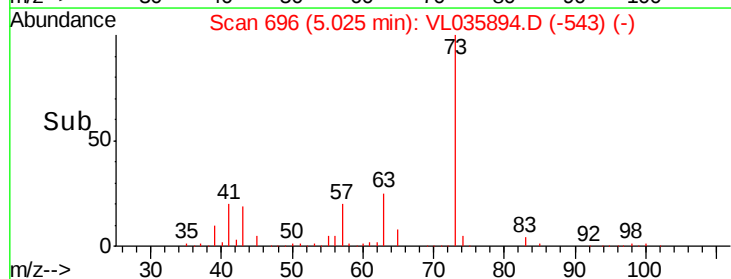
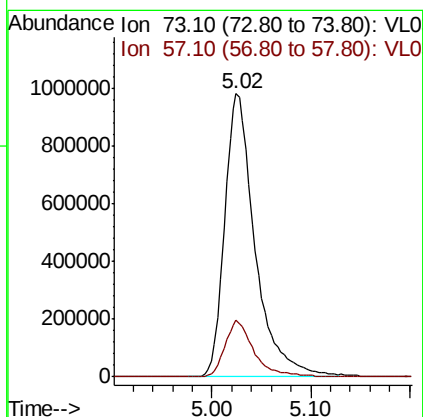
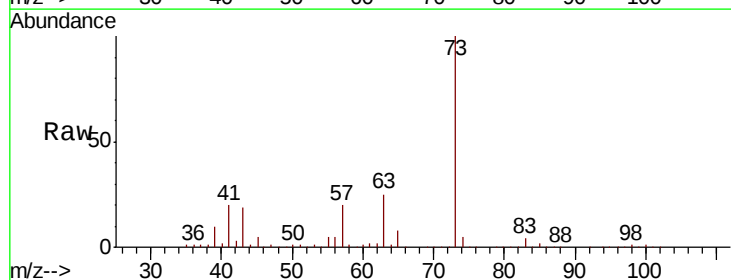
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

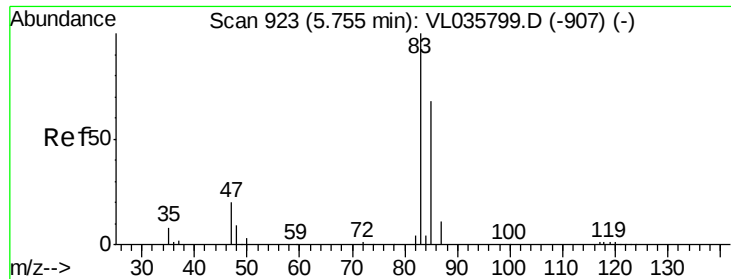
Tot Ion: 76 Resp: 1902205
Ion Ratio Lower Upper
76 100
44 12.6 9.9 14.9
78 10.2 8.1 12.1



#28
Methyl tert-Butyl Ether
Concen: 8.821 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 73 Resp: 2113512
Ion Ratio Lower Upper
73 100
57 19.3 15.4 23.2

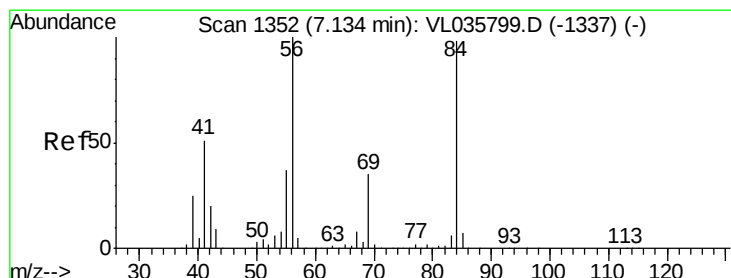
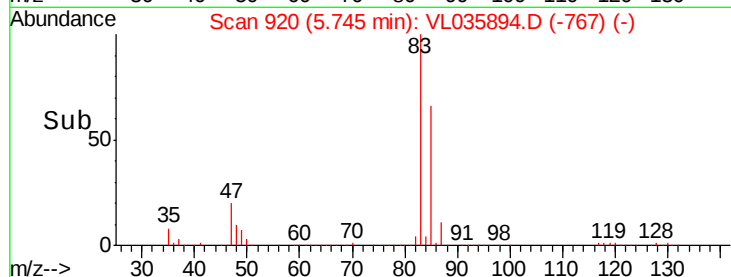
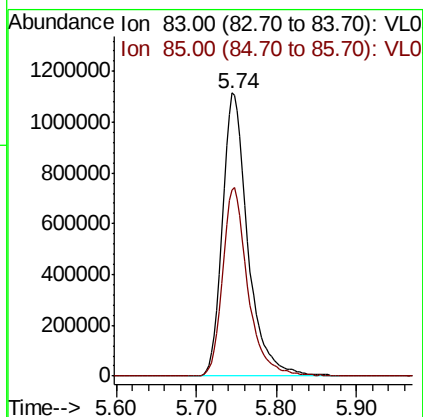
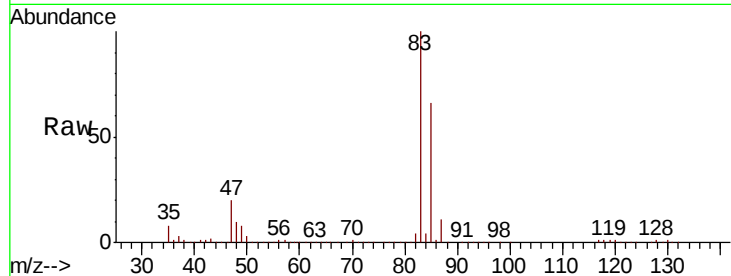




#29
Chloroform
Concen: 9.295 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

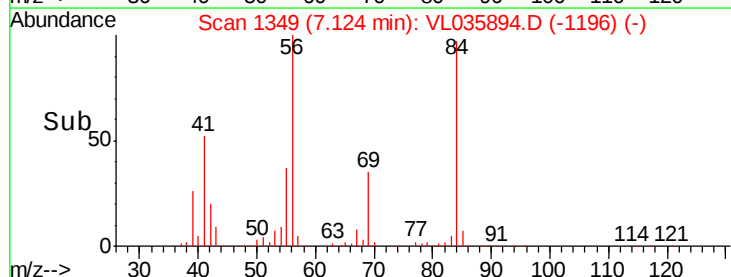
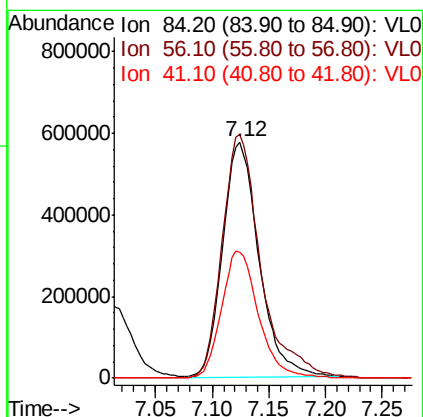
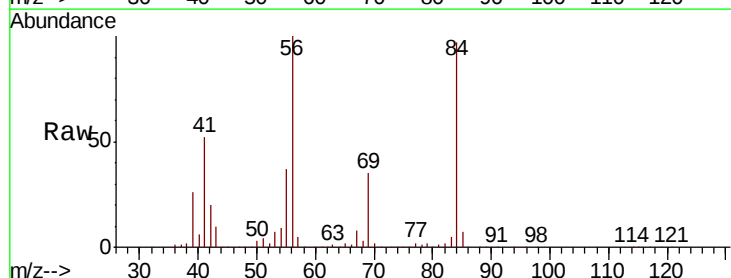
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

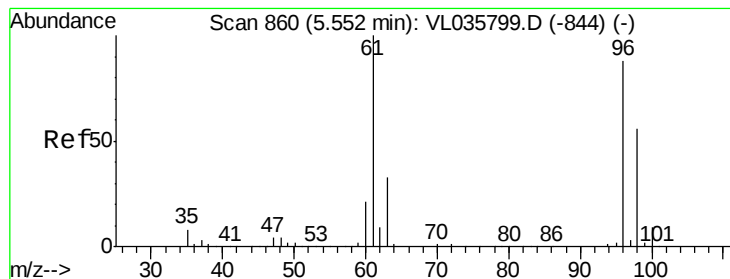
Tot Ion: 83 Resp: 2437595
Ion Ratio Lower Upper
83 100
85 65.7 54.6 81.8



#30
Cyclohexane
Concen: 8.881 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 84 Resp: 1290617
Ion Ratio Lower Upper
84 100
56 110.3 86.4 129.6
41 55.2 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.399 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

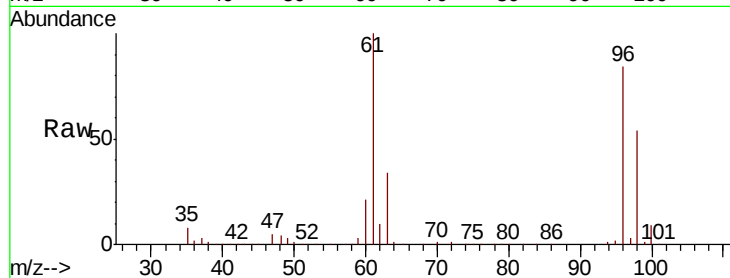
Tot Ion: 61 Resp: 1290110

Ion Ratio Lower Upper

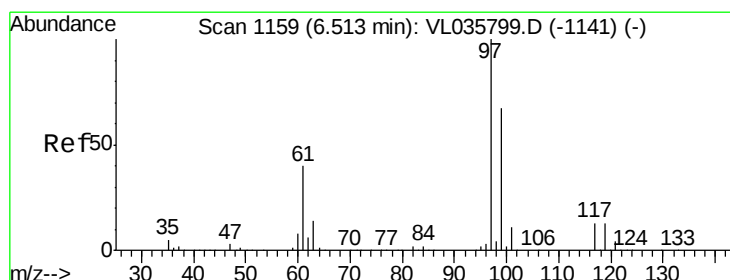
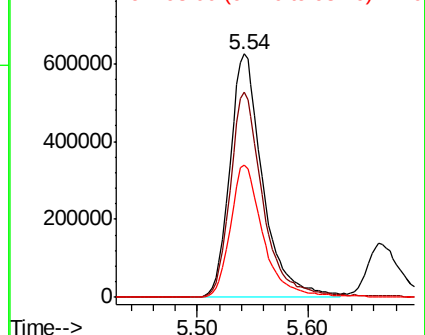
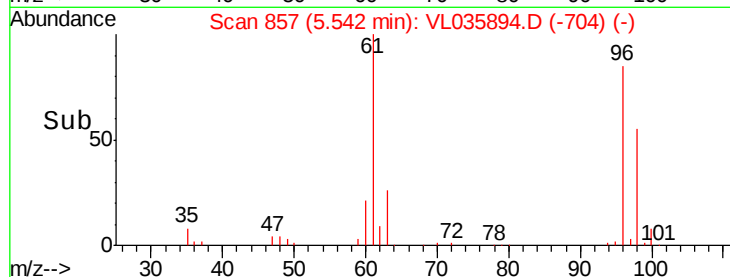
61 100

96 84.4 70.3 105.5

98 54.4 45.0 67.6



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



#32

1,1,1-Trichloroethane

Concen: 8.779 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

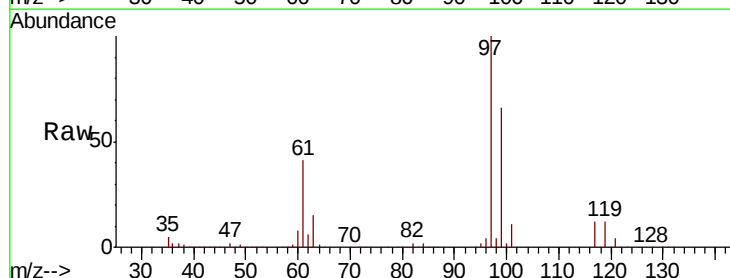
Tgt Ion: 97 Resp: 2402452

Ion Ratio Lower Upper

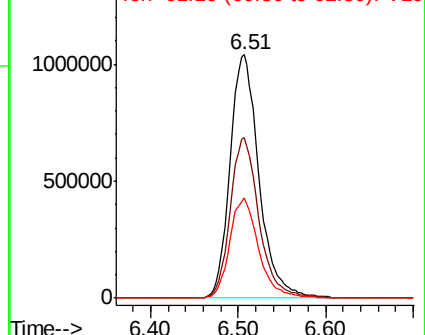
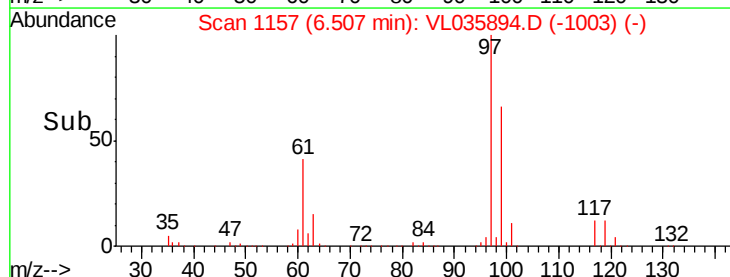
97 100

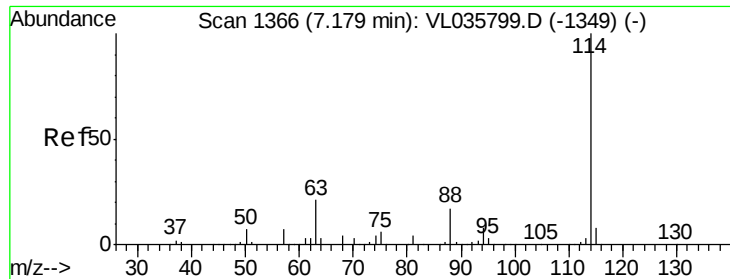
99 65.3 52.3 78.5

61 41.1 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

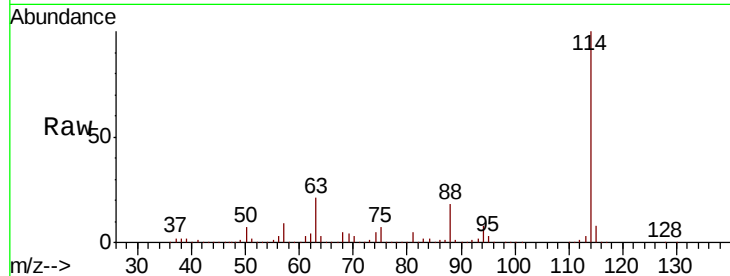




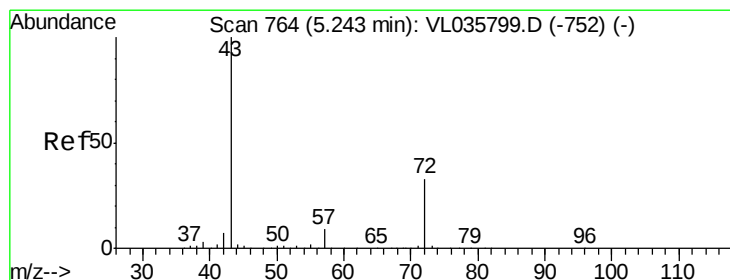
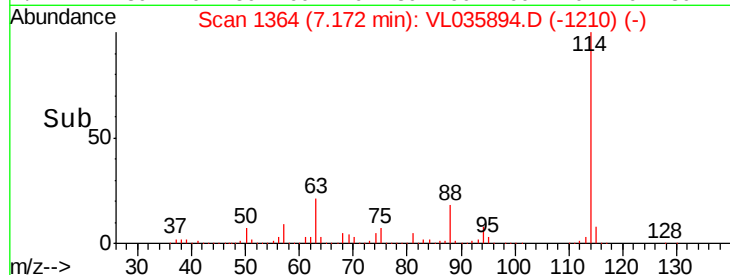
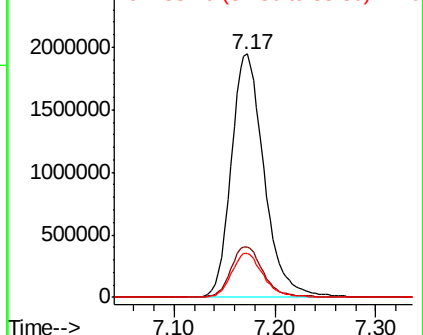
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion:114 Resp: 4404639
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.1 24.1
 88 17.5 13.7 20.5

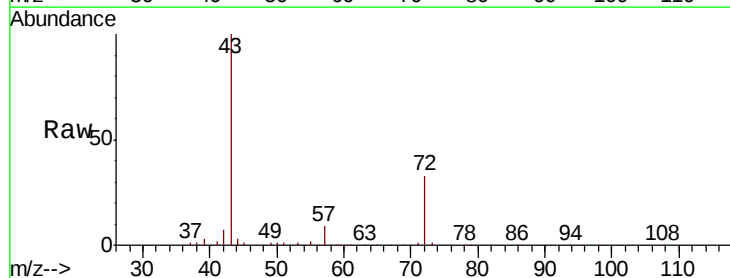


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

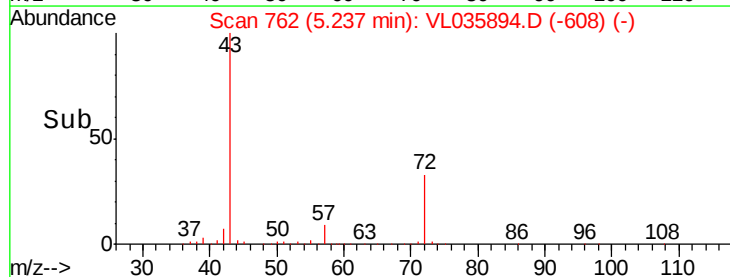
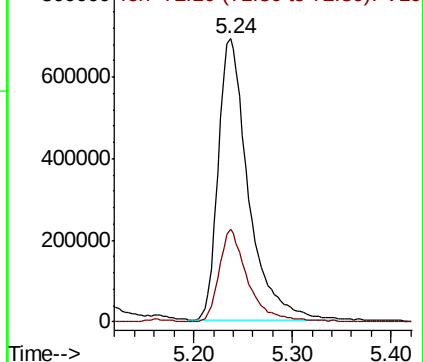


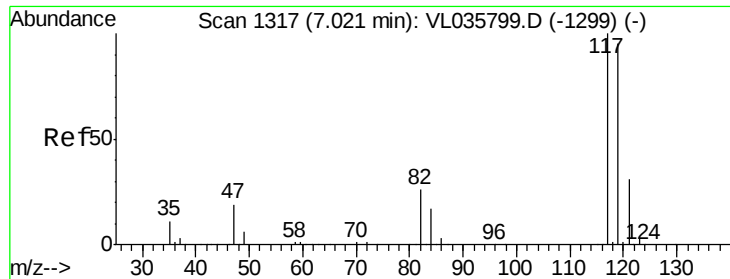
#34
 2-Butanone
 Concen: 10.315 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 43 Resp: 1474495
 Ion Ratio Lower Upper
 43 100
 72 31.9 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.166 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

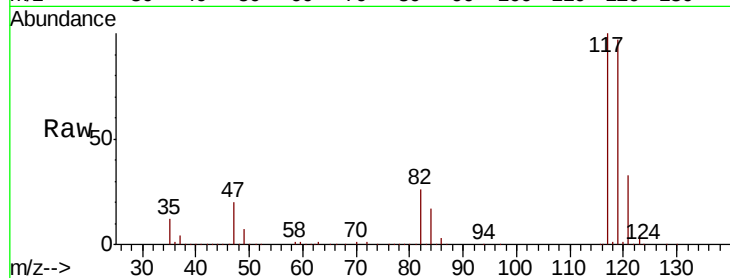
Tot Ion:117 Resp: 2392433

Ion Ratio Lower Upper

117 100

119 96.9 75.6 113.4

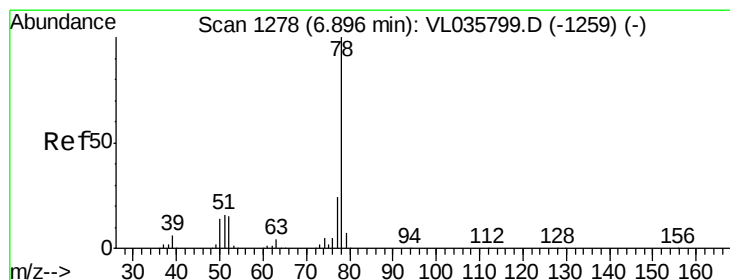
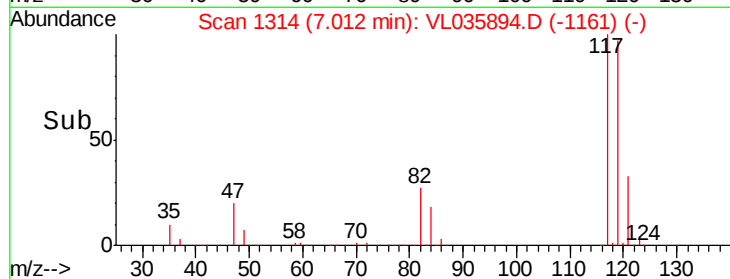
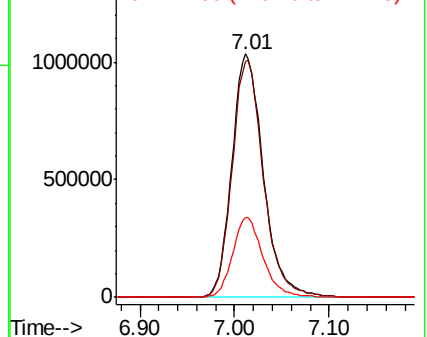
121 32.5 25.1 37.7



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: 9.334 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

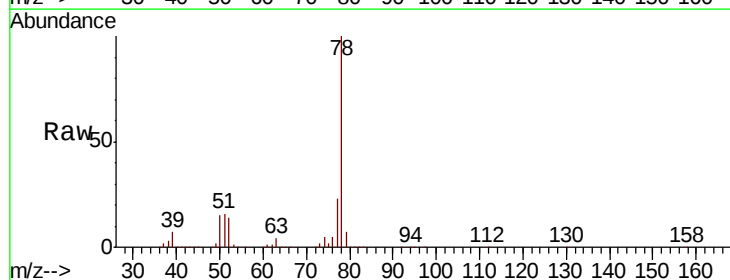
Tgt Ion: 78 Resp: 3056445

Ion Ratio Lower Upper

78 100

77 23.0 19.3 28.9

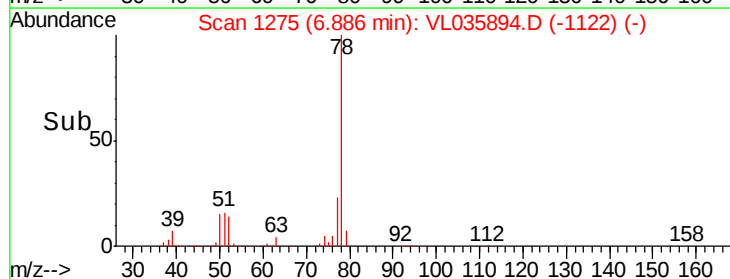
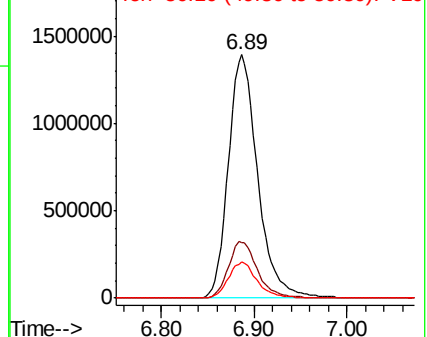
50 14.7 11.4 17.2

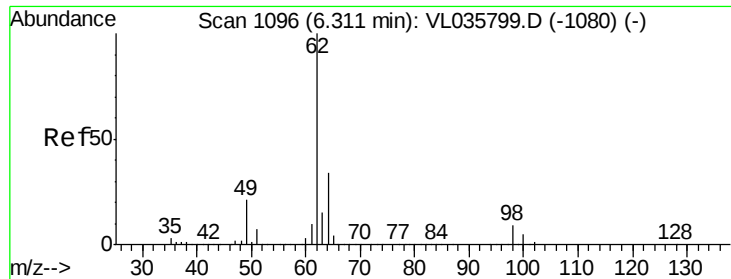


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

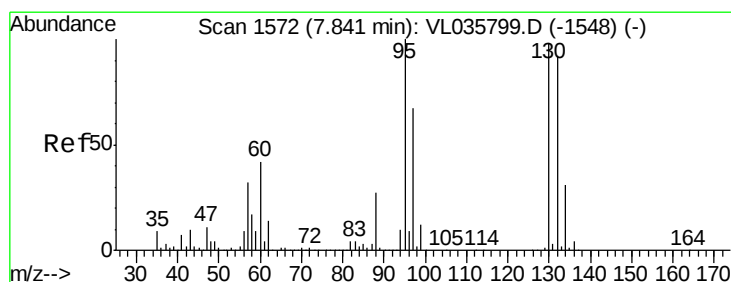
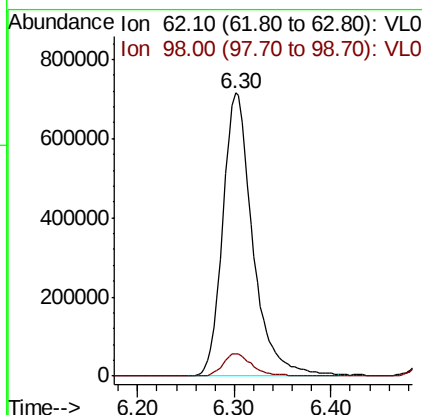
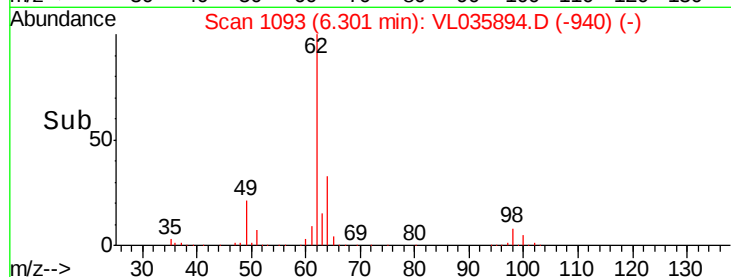
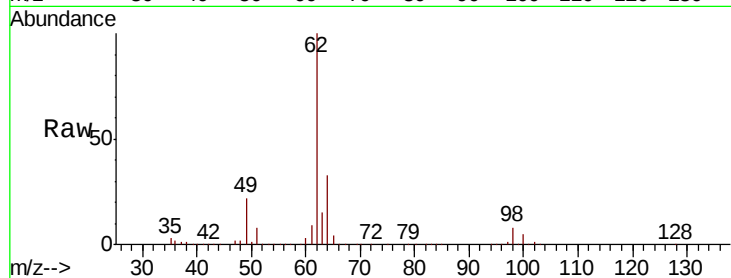




#37
 1,2-Dichloroethane
 Concen: 10.392 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

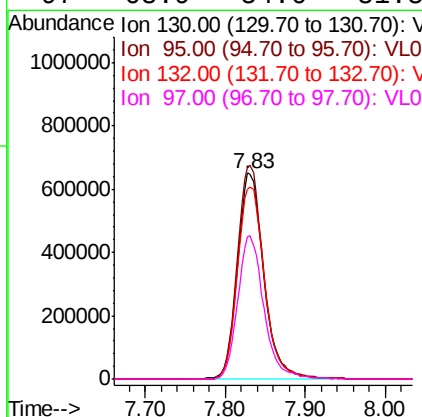
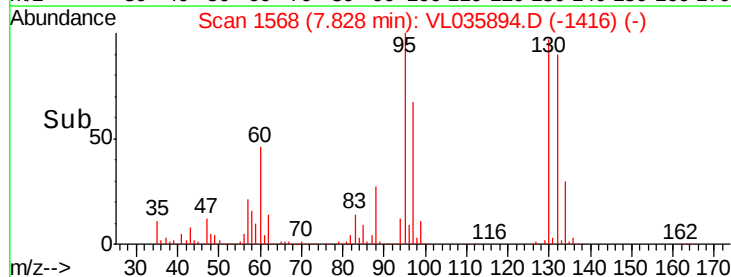
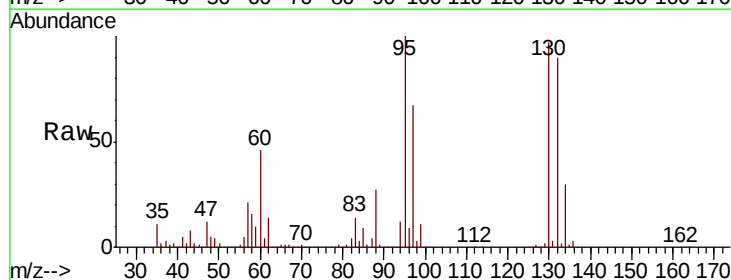
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

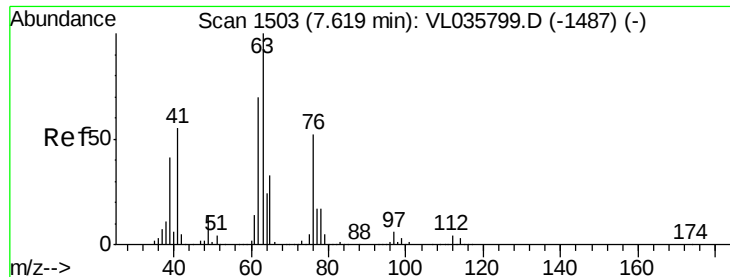
Tot Ion: 62 Resp: 1541674
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3



#38
 Trichloroethene
 Concen: 8.952 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 130 Resp: 1431905
 Ion Ratio Lower Upper
 130 100
 95 102.8 81.6 122.4
 132 92.3 75.1 112.7
 97 68.9 54.6 81.8





#39

1,2-Dichloropropane

Concen: 9.773 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

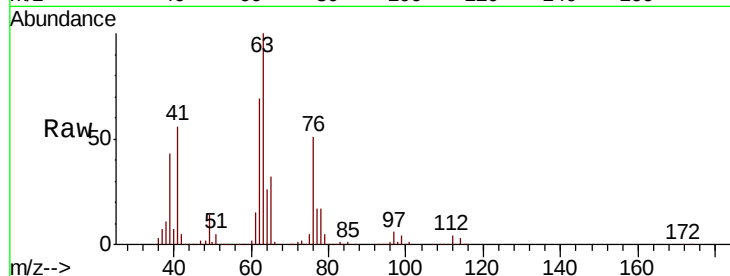
Tot Ion: 63 Resp: 1077483

Ion Ratio Lower Upper

63 100

41 55.8 43.8 65.6

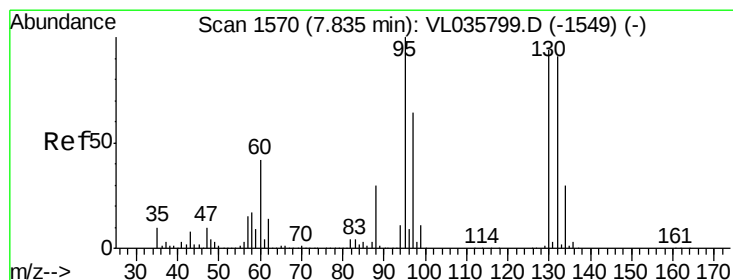
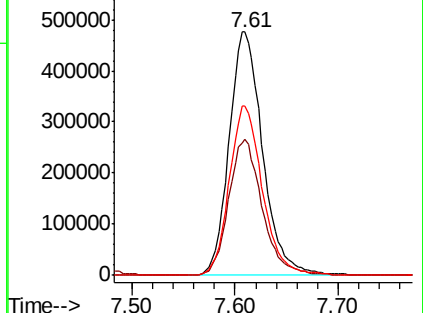
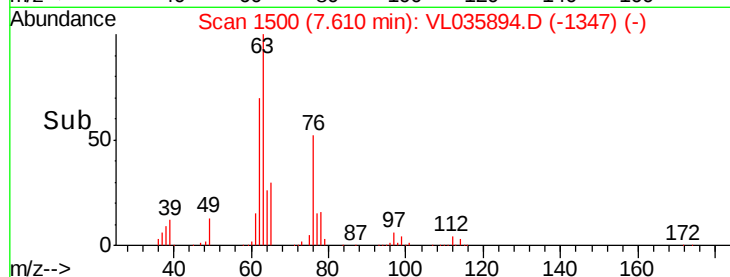
62 69.5 56.2 84.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.258 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 88 Resp: 483726

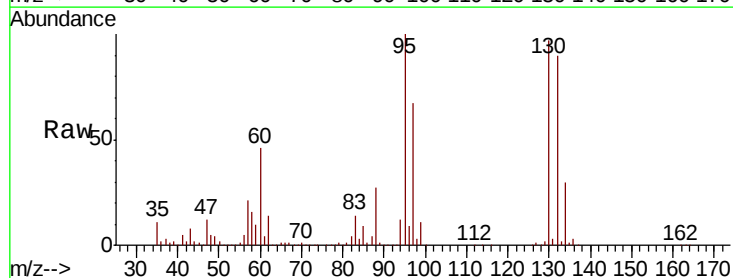
Ion Ratio Lower Upper

88 100

58 100.0 76.2 114.2

43 165.3 123.1 184.7

57 870.8 661.0 991.4

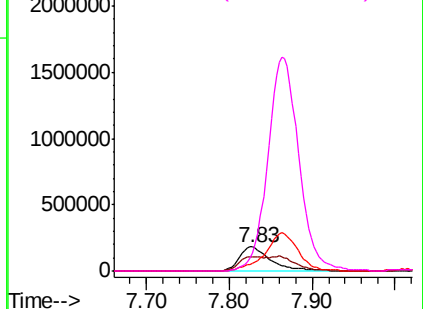
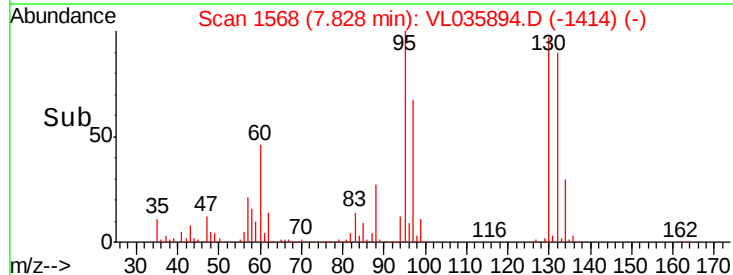


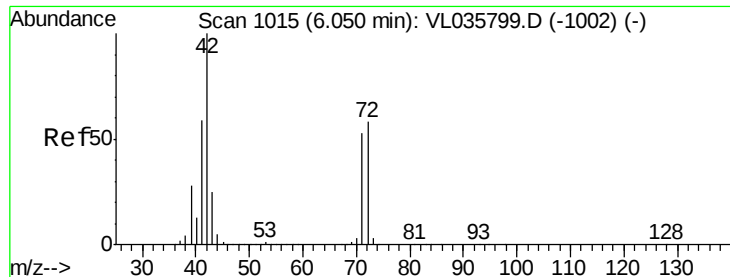
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.656 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

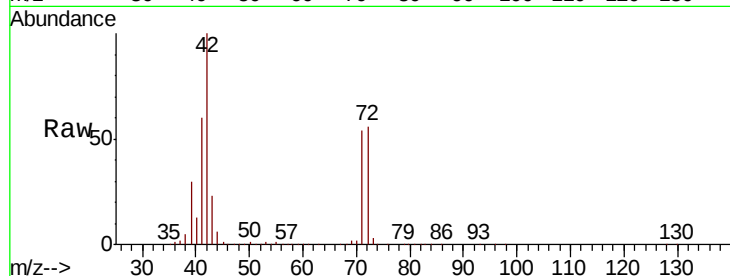
Tot Ion: 42 Resp: 865401

Ion Ratio Lower Upper

42 100

72 55.5 45.4 68.0

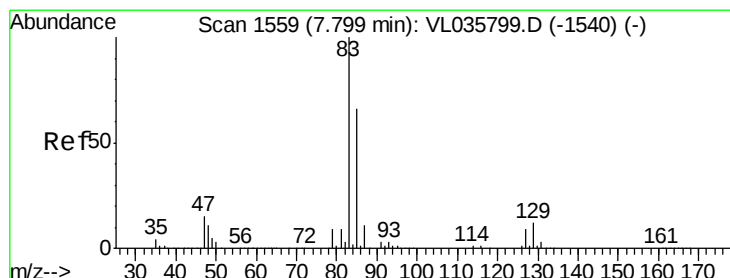
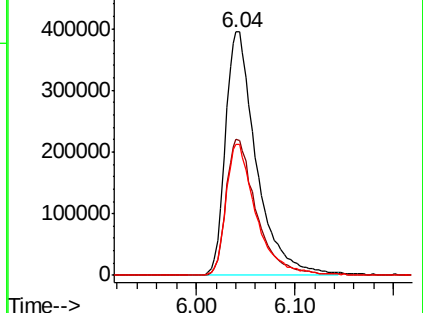
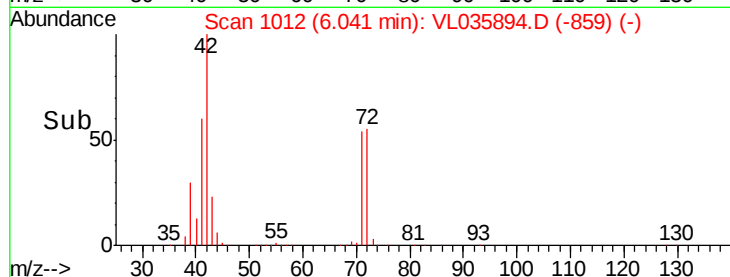
71 53.3 43.4 65.2



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: 9.931 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

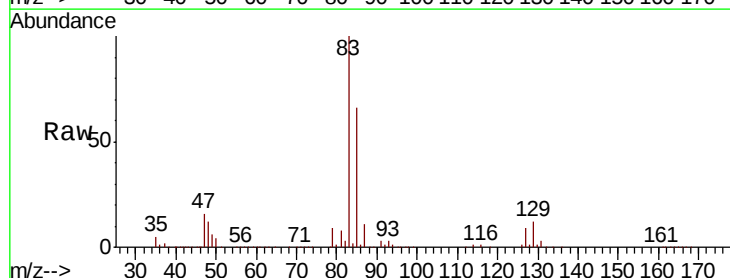
Tgt Ion: 83 Resp: 2485987

Ion Ratio Lower Upper

83 100

85 65.5 53.1 79.7

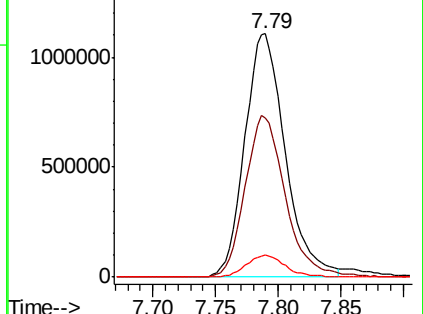
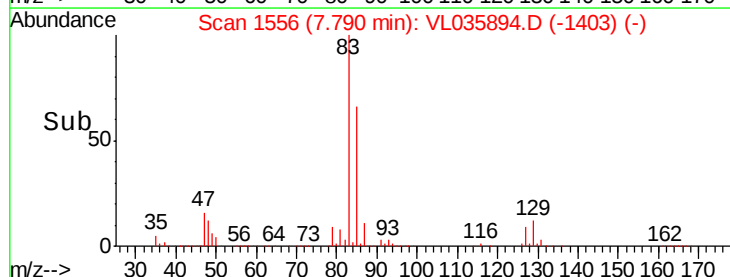
127 9.2 7.3 10.9

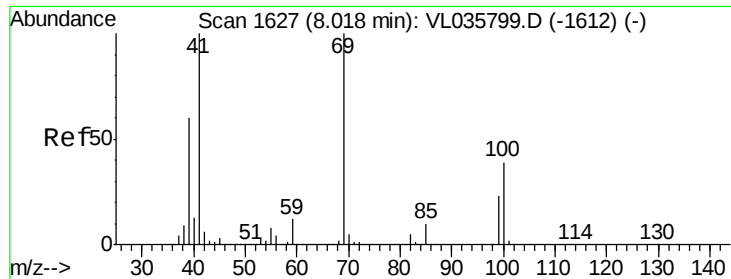


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

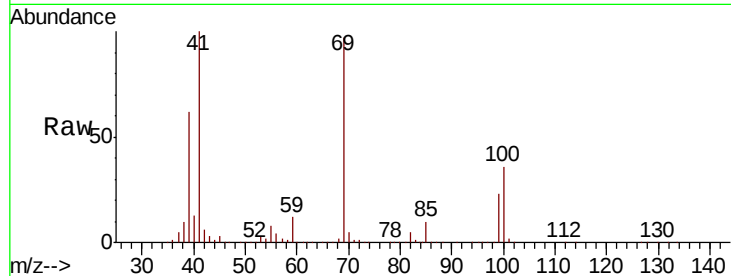




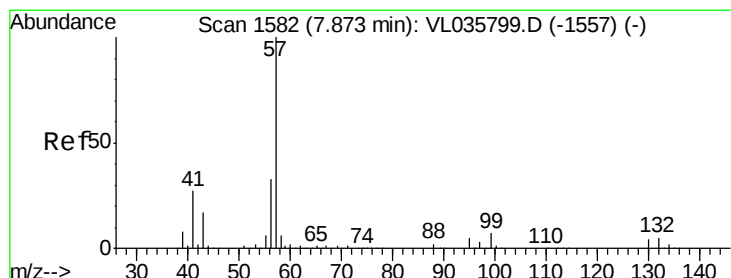
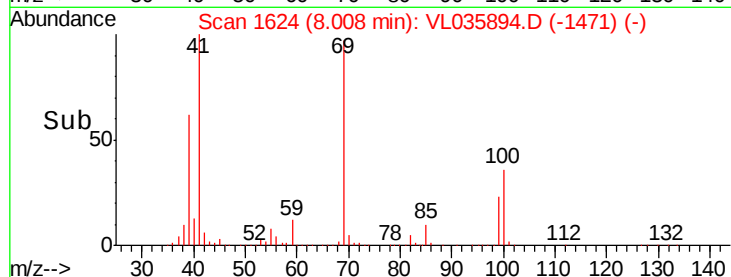
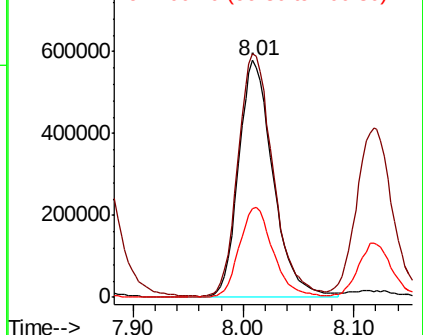
#43
Methyl Methacrylate
Concen: 10.006 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion: 69 Resp: 1249785
Ion Ratio Lower Upper
69 100
41 105.2 81.1 121.7
100 37.6 31.0 46.4

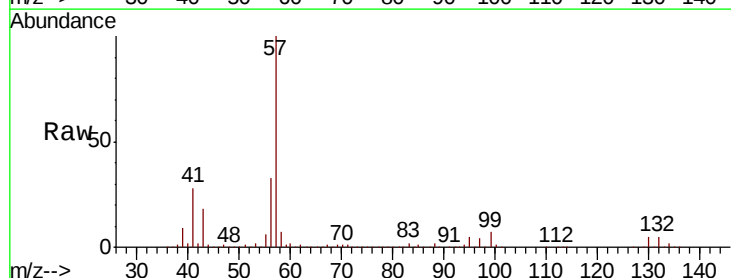


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

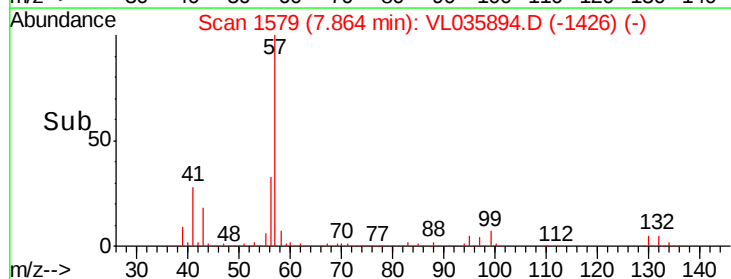
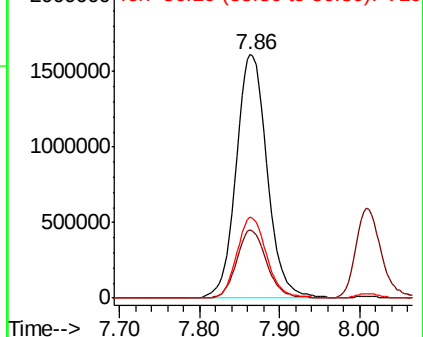


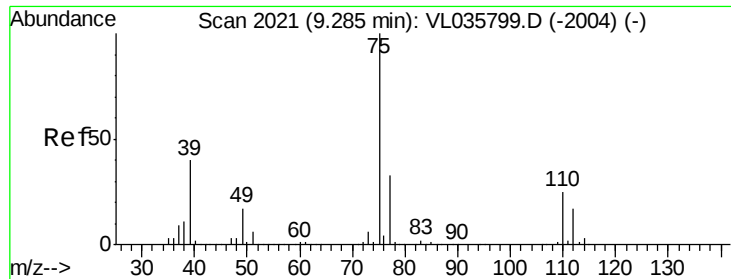
#44
2,2,4-Trimethylpentane
Concen: 9.716 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 57 Resp: 4210140
Ion Ratio Lower Upper
57 100
41 27.0 21.0 31.4
56 31.9 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: 10.094 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

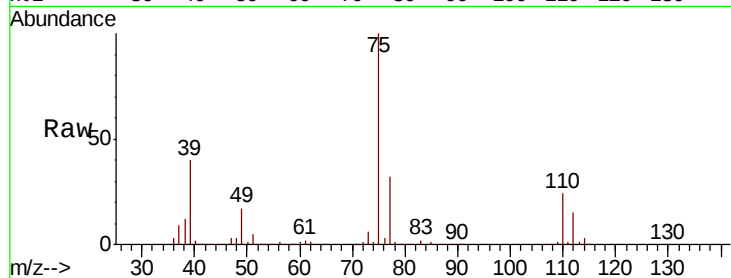
VL1110ABS01

Tot Ion: 75 Resp: 1336519

Ion Ratio Lower Upper

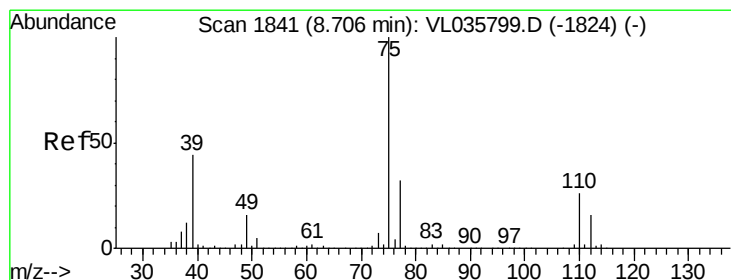
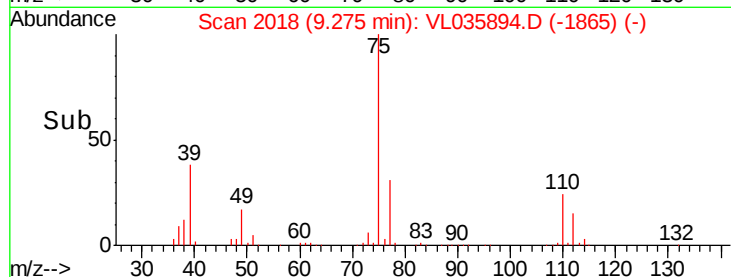
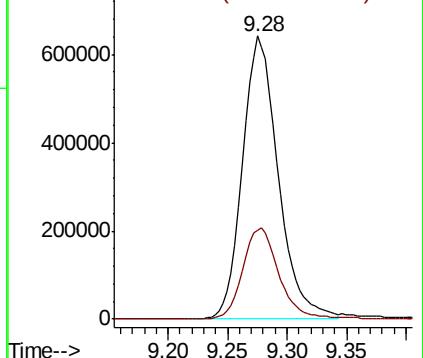
75 100

77 31.5 26.4 39.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.970 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

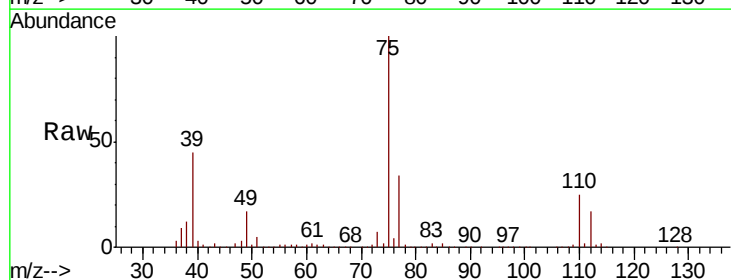
Tgt Ion: 75 Resp: 1671860

Ion Ratio Lower Upper

75 100

39 45.2 35.1 52.7

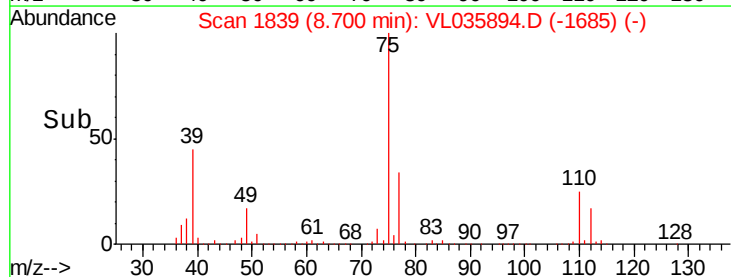
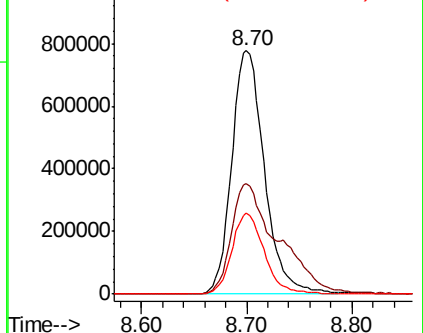
77 33.6 25.7 38.5

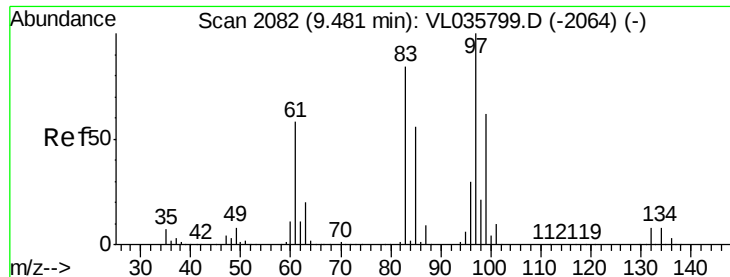


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

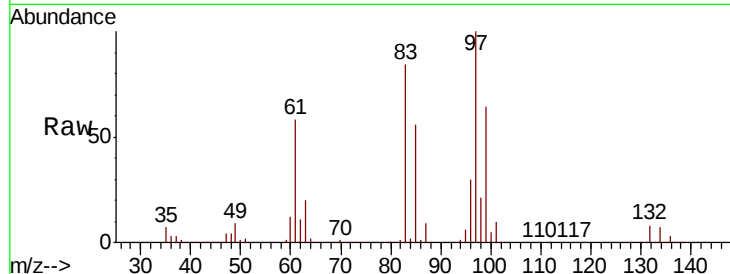




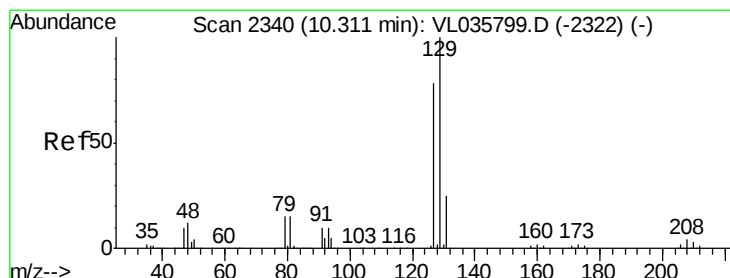
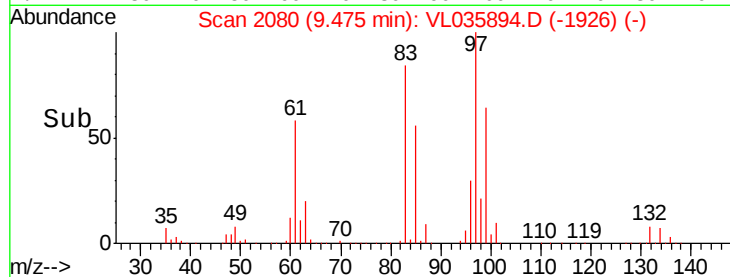
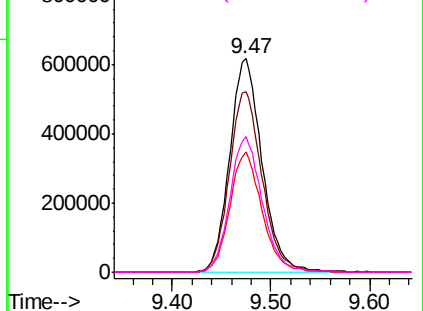
#47
 1,1,2-Trichloroethane
 Concen: 9.414 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion: 97 Resp: 1414201
 Ion Ratio Lower Upper
 97 100
 83 84.3 67.1 100.7
 85 56.3 44.7 67.1
 99 63.8 49.7 74.5

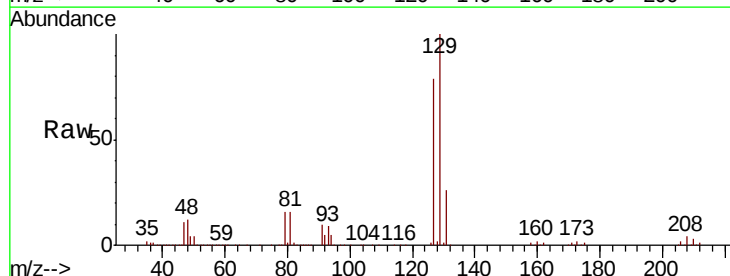


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

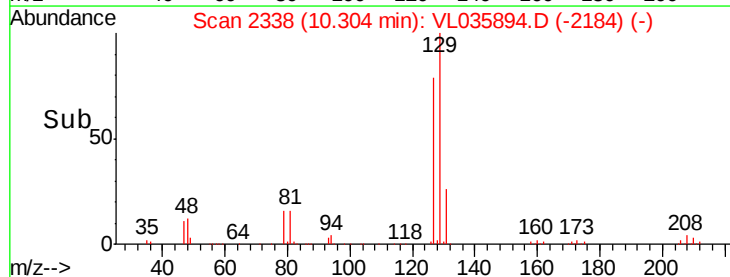
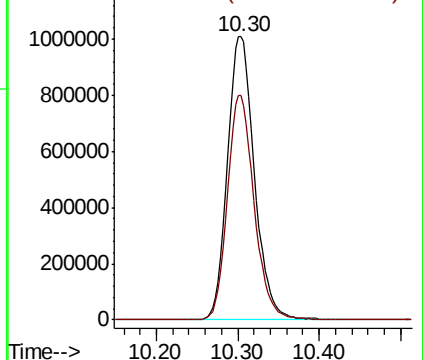


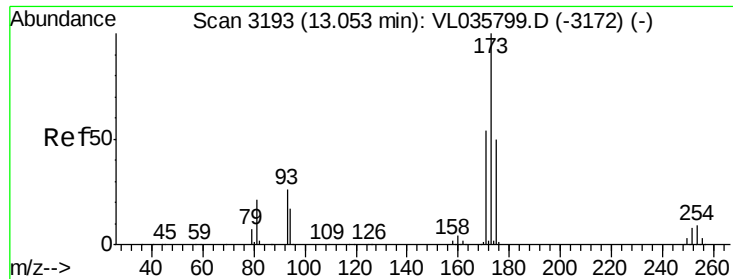
#48
 Dibromochloromethane
 Concen: 10.238 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 129 Resp: 2349495
 Ion Ratio Lower Upper
 129 100
 127 78.6 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: 10.196 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

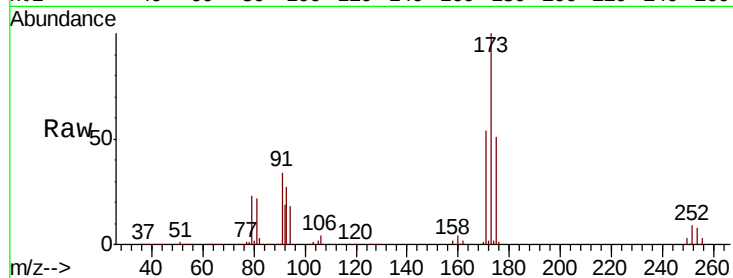
Tot Ion:173 Resp: 1974566

Ion Ratio Lower Upper

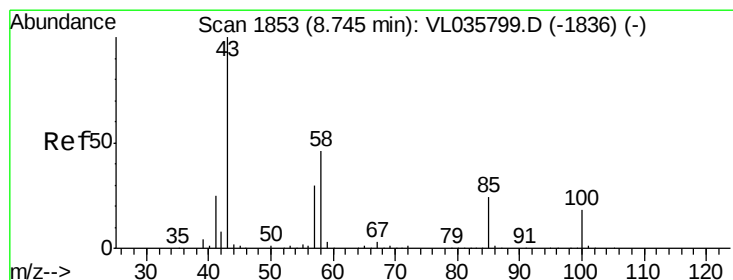
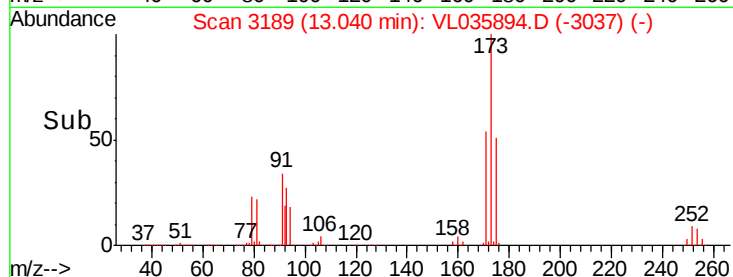
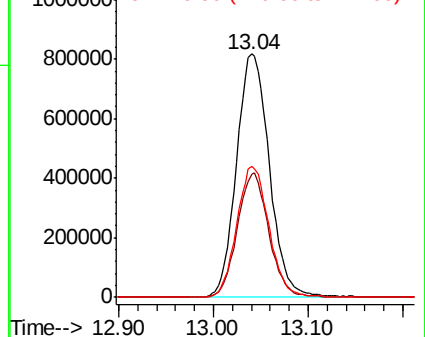
173 100

175 49.4 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: 10.515 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL035894.D

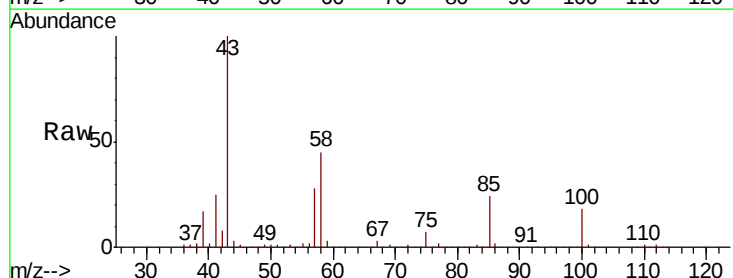
Acq: 10 Nov 2020 17:50

Tgt Ion: 43 Resp: 2298362

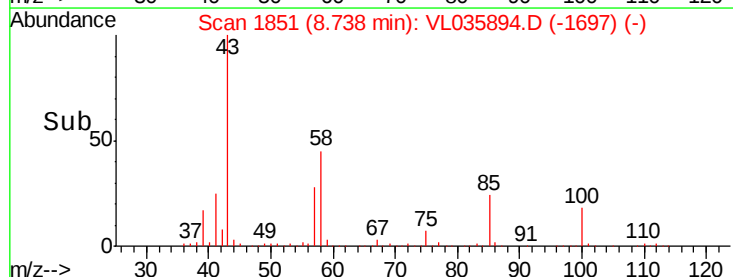
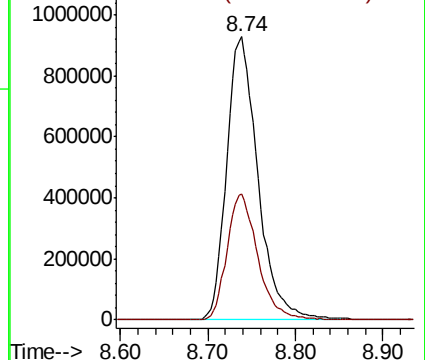
Ion Ratio Lower Upper

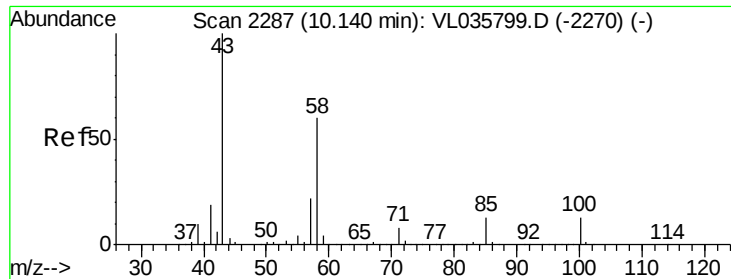
43 100

58 43.9 36.0 54.0



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





#51

2-Hexanone

Concen: 10.597 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

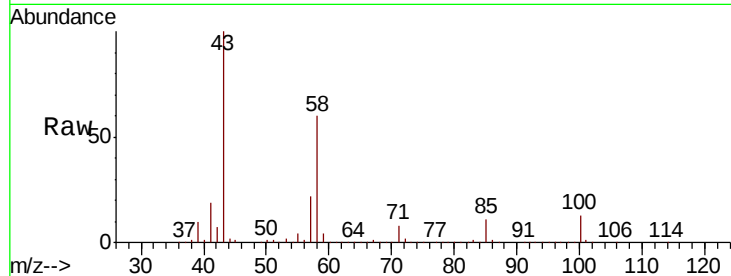
Tot Ion: 43 Resp: 1860816

Ion Ratio Lower Upper

43 100

58 59.0 48.3 72.5

98 0.8 0.6 0.8

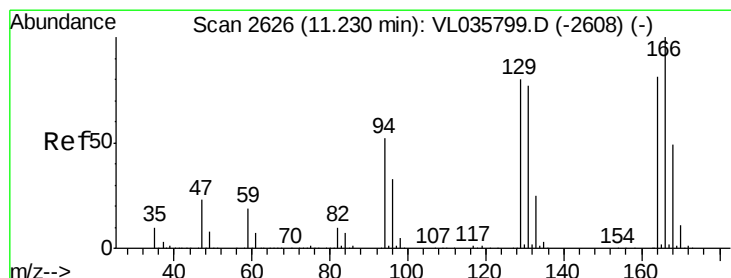
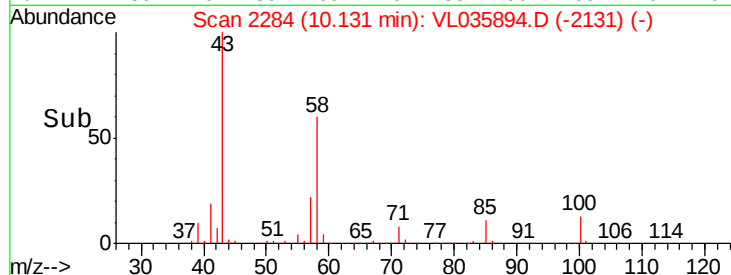
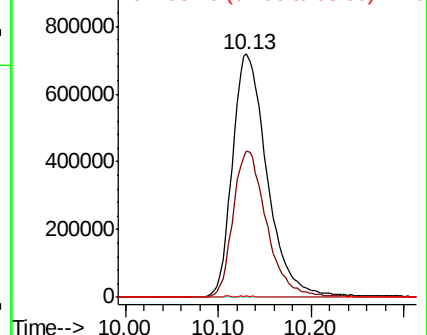


Abundance

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: 8.620 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion:164 Resp: 1337334

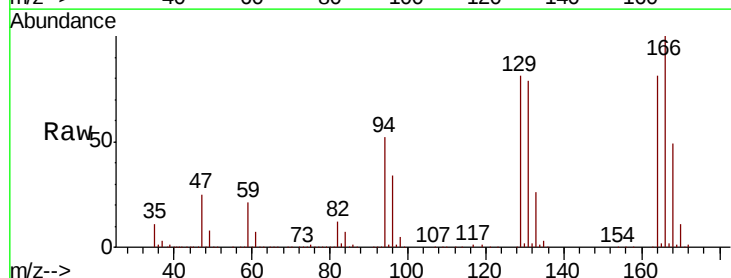
Ion Ratio Lower Upper

164 100

166 123.4 99.3 148.9

129 100.5 79.3 118.9

131 96.9 76.5 114.7



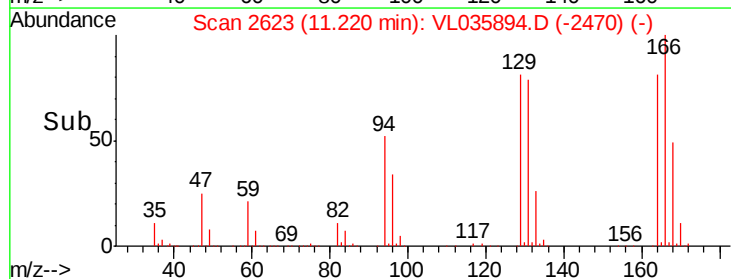
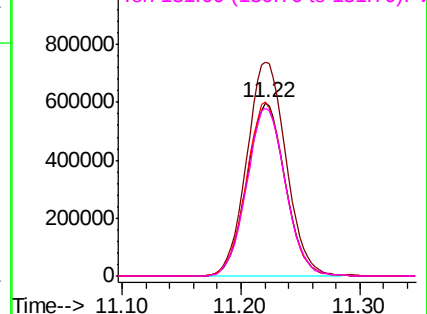
Abundance

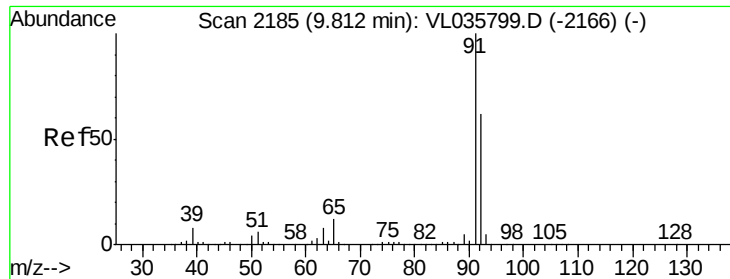
Ion 163.90 (163.60 to 164.60): V

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: 9.400 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

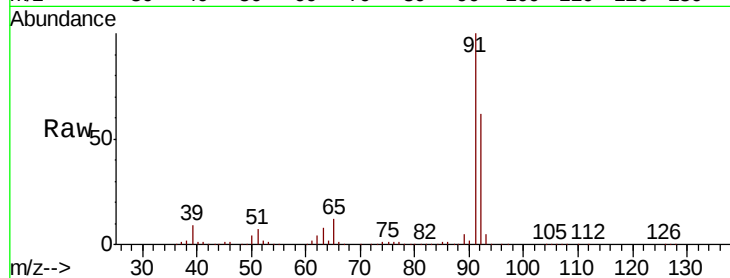
VL1110ABS01

Tot Ion: 91 Resp: 3713956

Ion Ratio Lower Upper

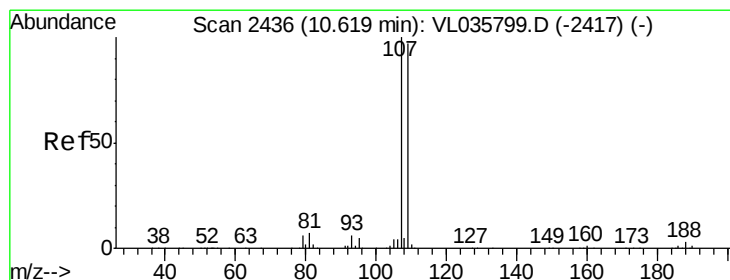
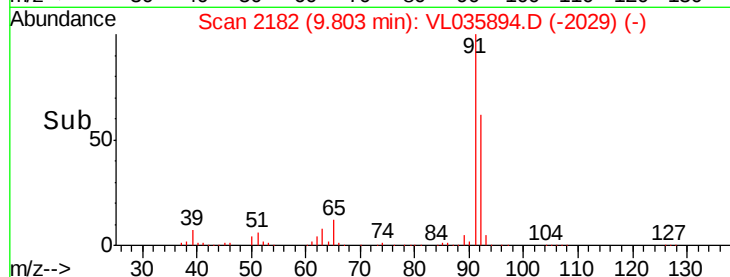
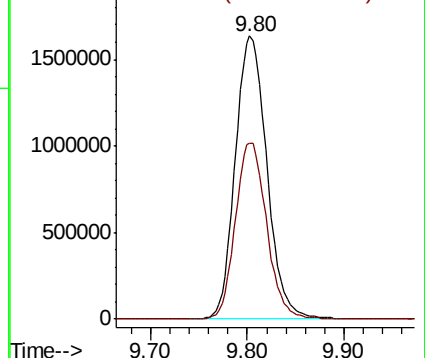
91 100

92 61.7 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: 9.461 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035894.D

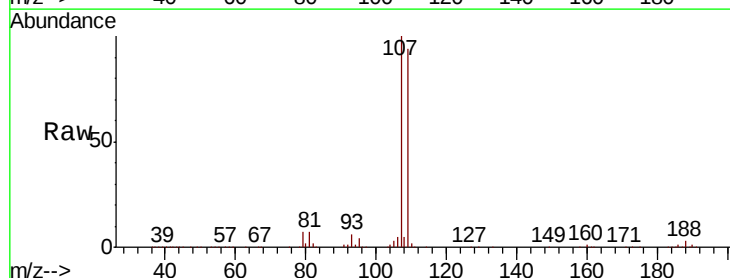
Acq: 10 Nov 2020 17:50

Tgt Ion: 107 Resp: 2161492

Ion Ratio Lower Upper

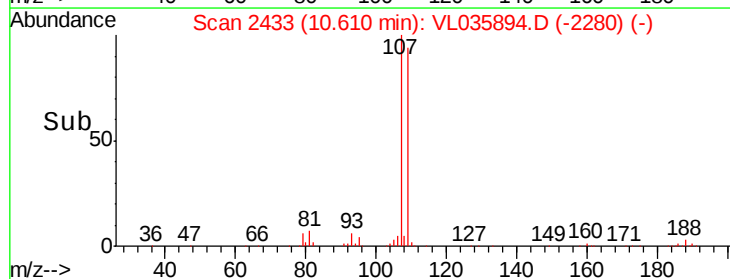
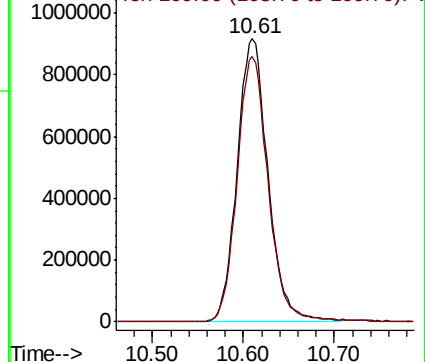
107 100

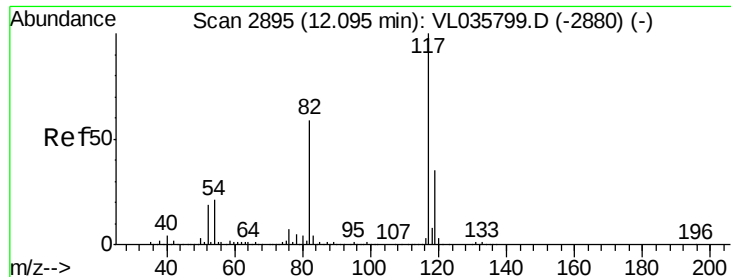
109 94.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

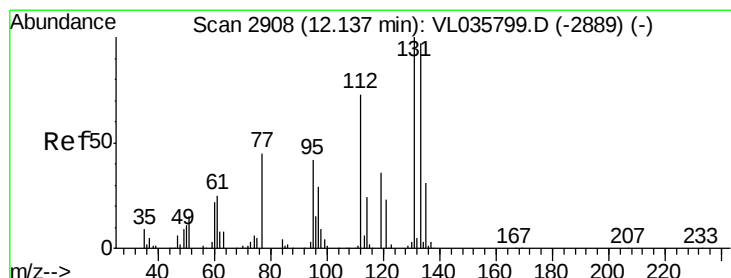
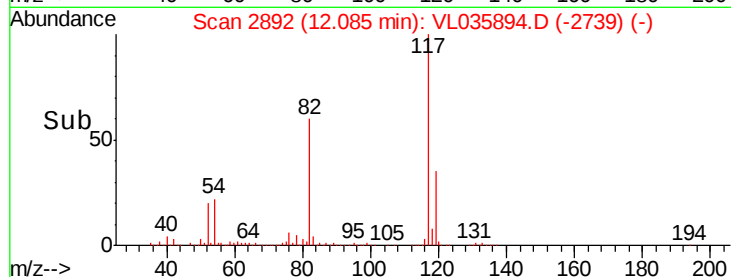
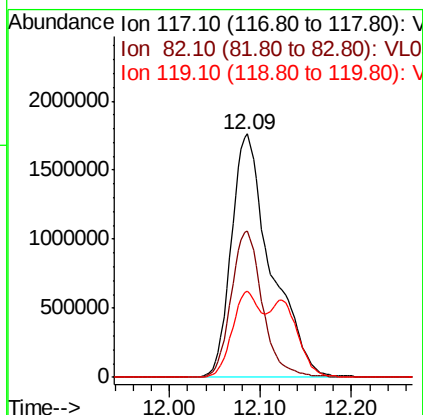
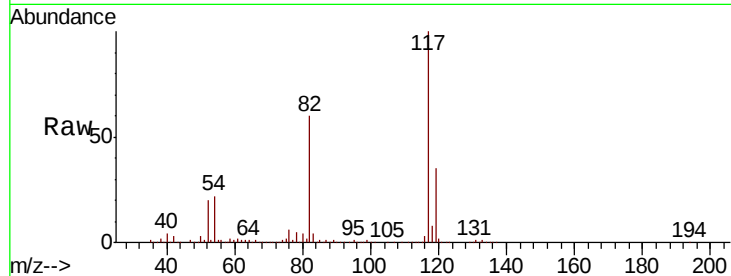




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

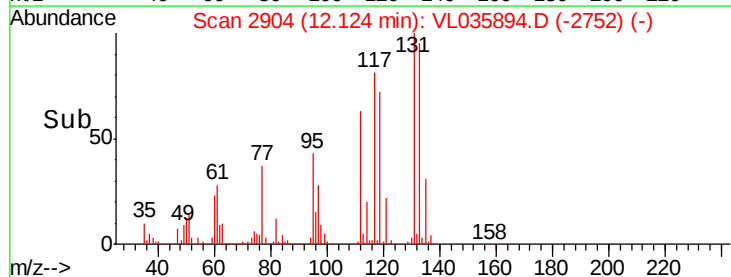
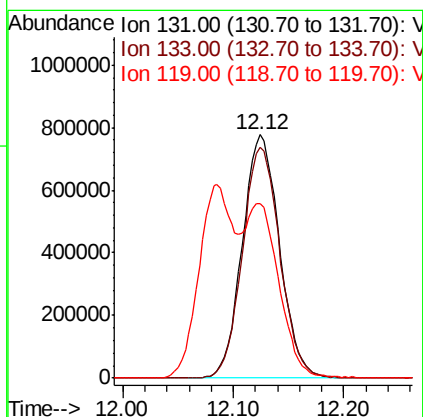
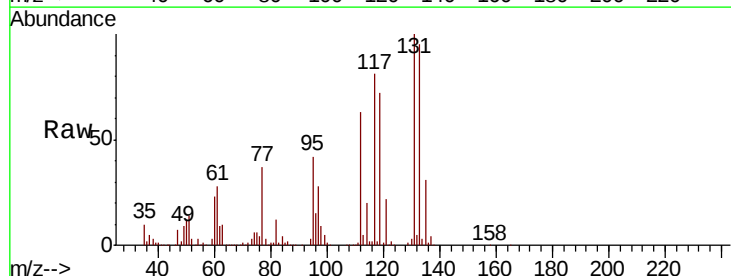
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

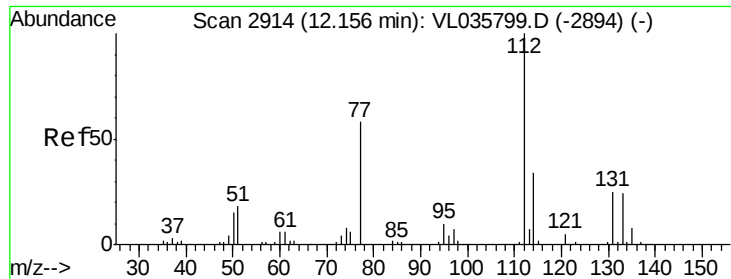
Tot Ion:117 Resp: 5326439
Ion Ratio Lower Upper
117 100
82 48.1 50.6 76.0#
119 25.6 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.598 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion:131 Resp: 1816454
Ion Ratio Lower Upper
131 100
133 95.9 76.8 115.2
119 73.4 47.4 71.0#

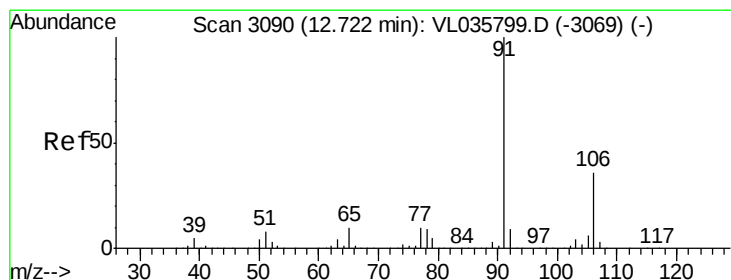
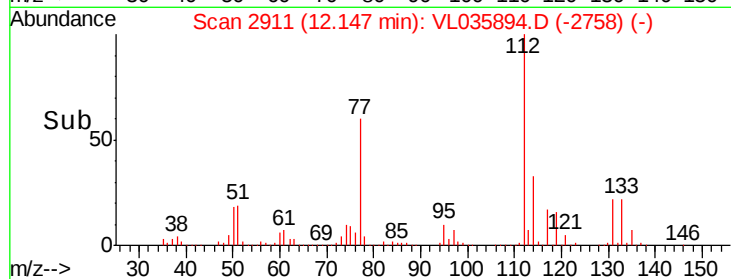
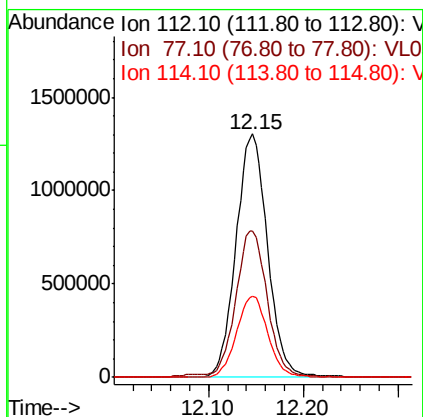
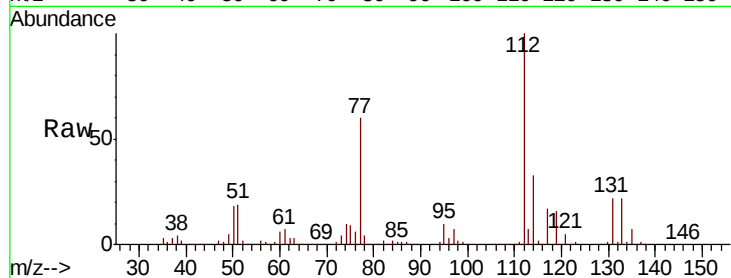




#57
Chlorobenzene
Concen: 7.138 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

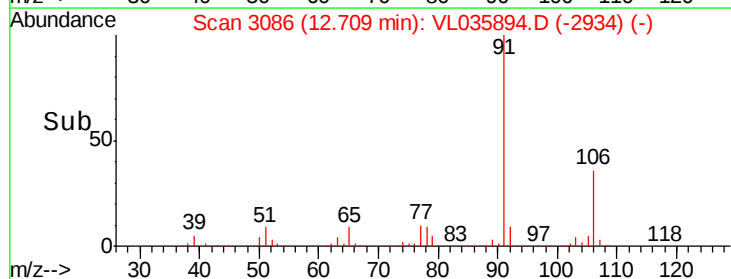
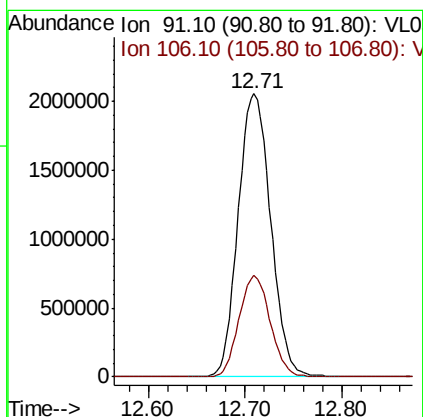
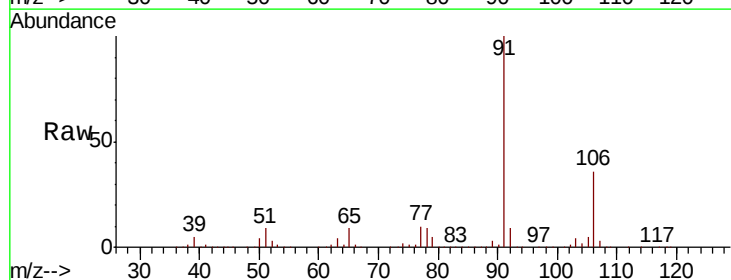
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

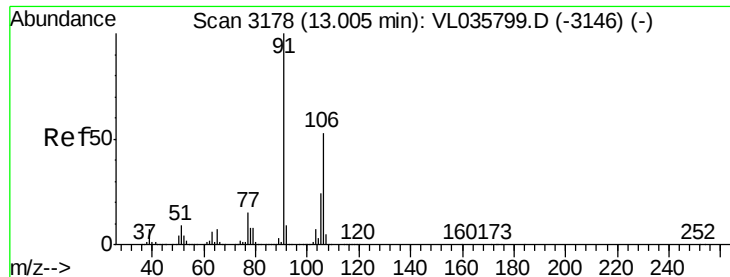
Tot Ion:112 Resp: 3022945
Ion Ratio Lower Upper
112 100
77 59.7 47.5 71.3
114 33.4 30.3 37.1



#58
Ethyl Benzene
Concen: 7.413 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 4808993
Ion Ratio Lower Upper
91 100
106 35.9 28.6 43.0

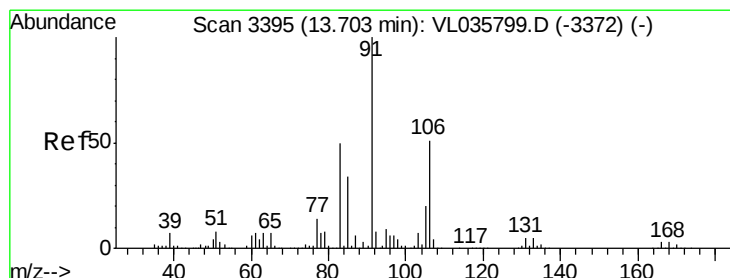
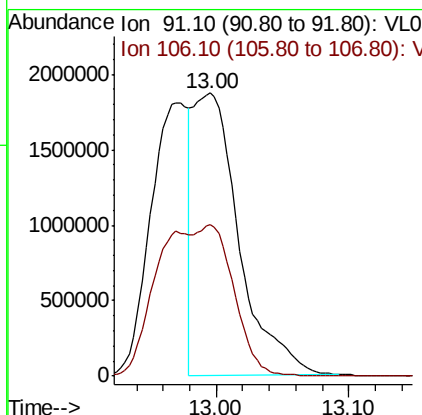
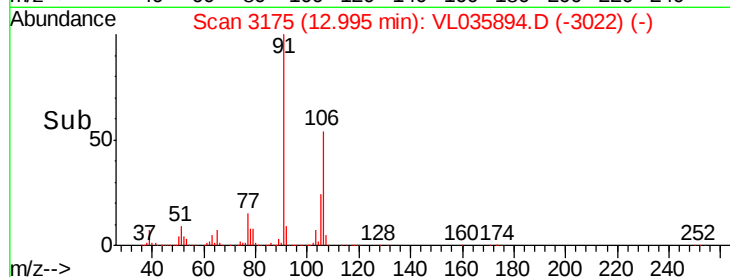
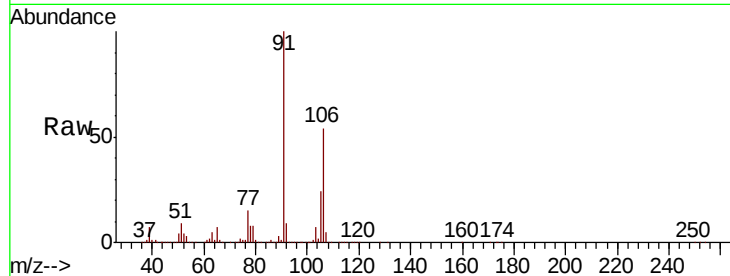




#59
m/p-Xylene
Concen: 8.137 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

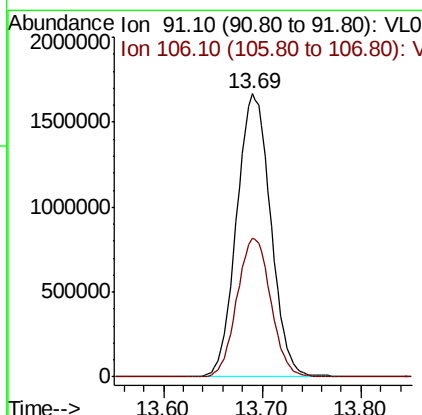
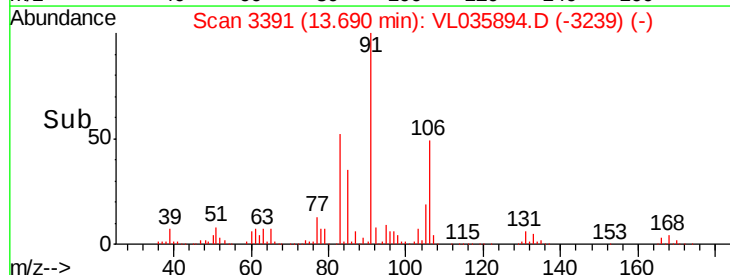
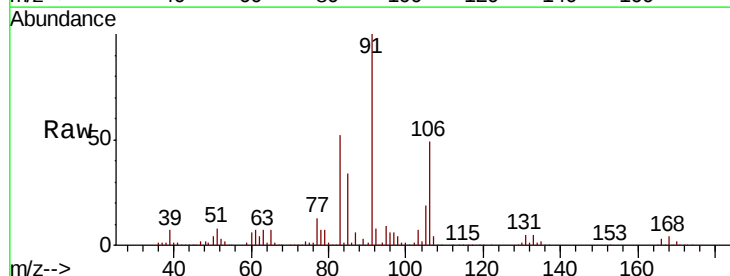
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

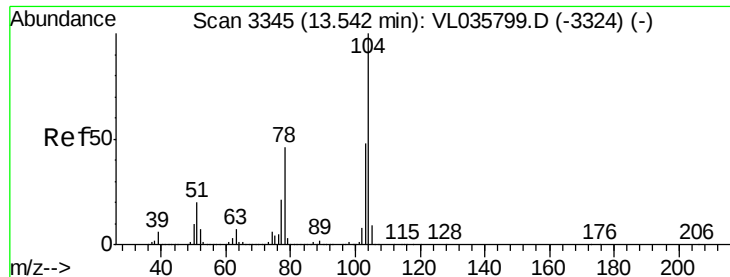
Tot Ion: 91 Resp: 4465867
Ion Ratio Lower Upper
91 100
106 89.4 39.5 59.3#



#60
o-Xylene
Concen: 7.452 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 3978509
Ion Ratio Lower Upper
91 100
106 48.9 24.8 74.4





#61

Stvrene

Concen: 7.574 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. -0.02 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

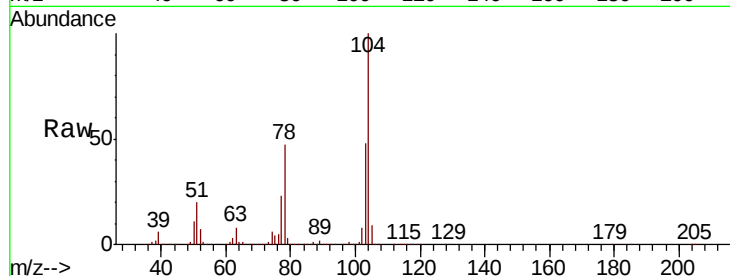
Tot Ion:104 Resp: 2962807

Ion Ratio Lower Upper

104 100

78 47.0 37.1 55.7

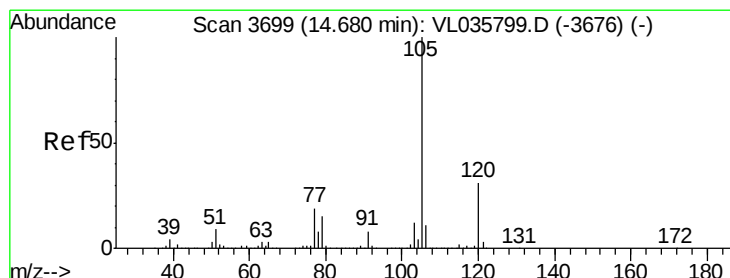
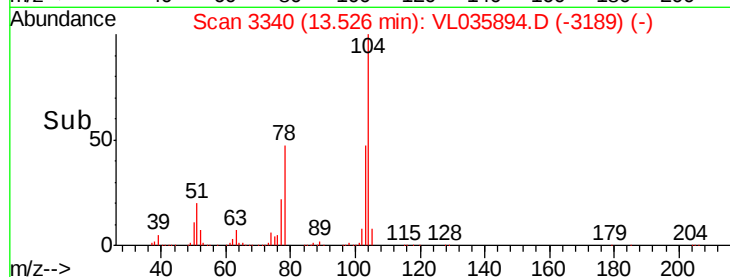
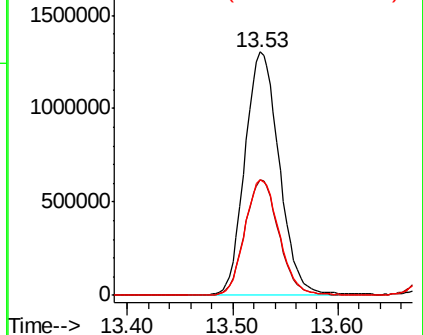
103 47.7 37.9 56.9



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: 7.144 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL035894.D

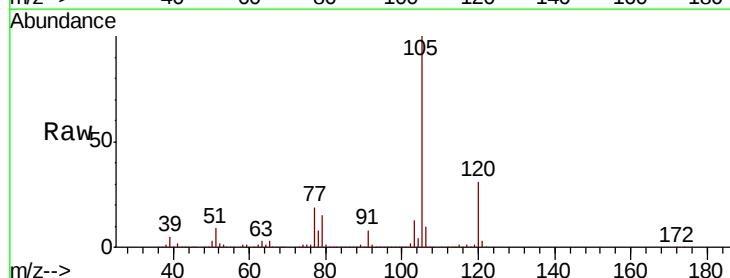
Acq: 10 Nov 2020 17:50

Tgt Ion:105 Resp: 5995322

Ion Ratio Lower Upper

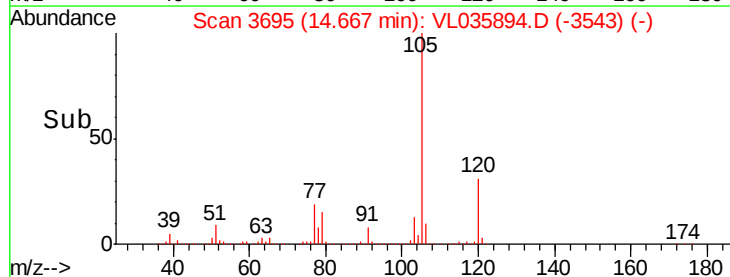
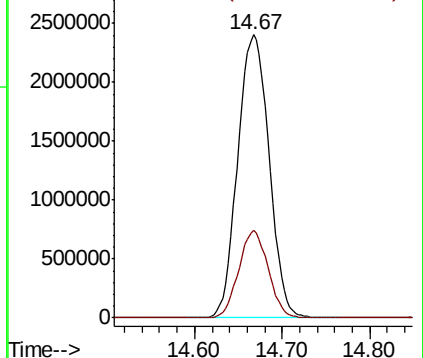
105 100

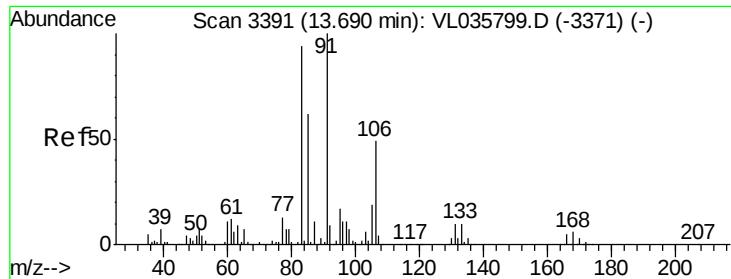
120 29.0 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

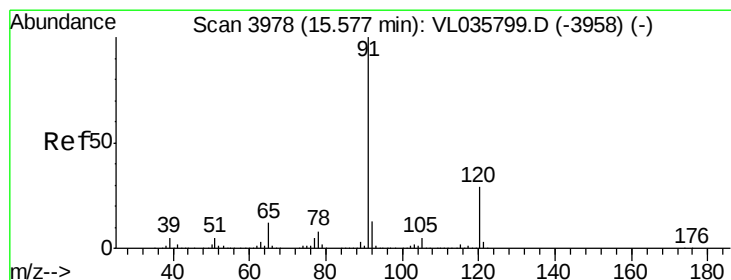
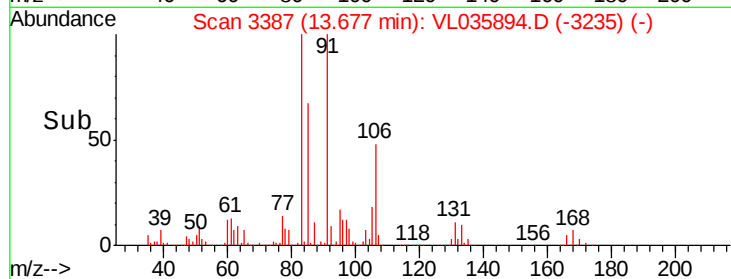
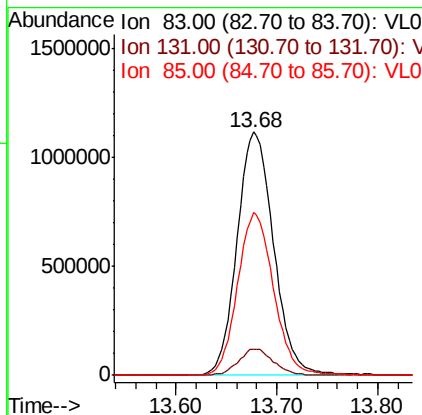
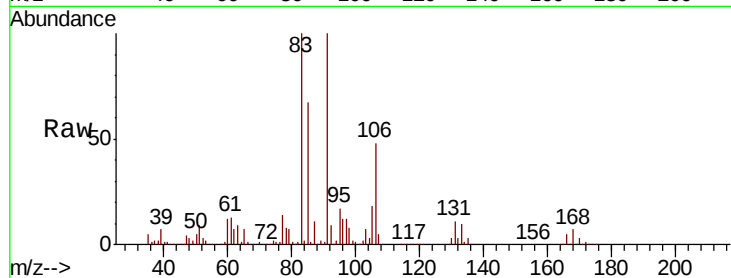




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.772 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

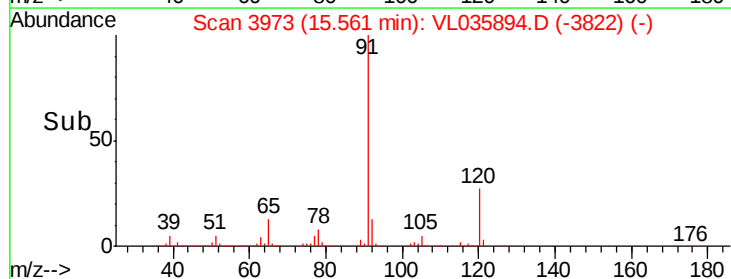
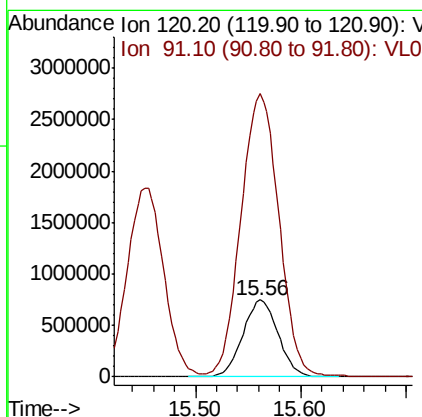
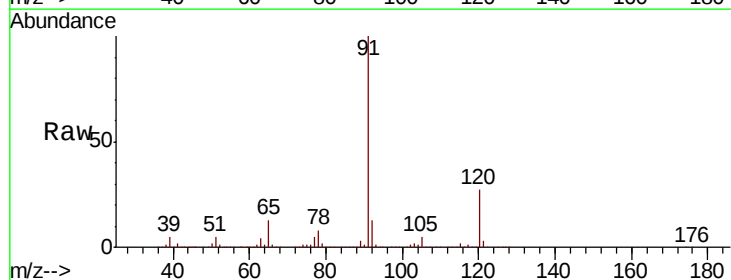
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

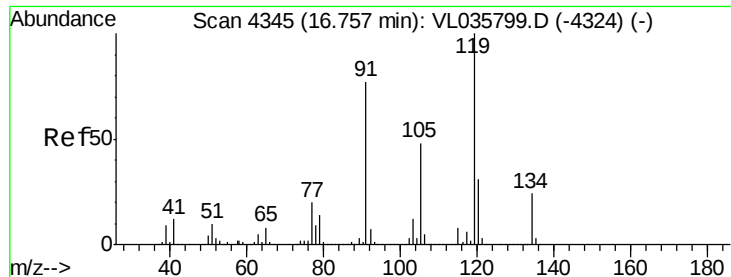
Tot Ion: 83 Resp: 2801670
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.3 15.8
 85 66.5 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.197 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 120 Resp: 1745717
 Ion Ratio Lower Upper
 120 100
 91 395.7 311.1 466.7

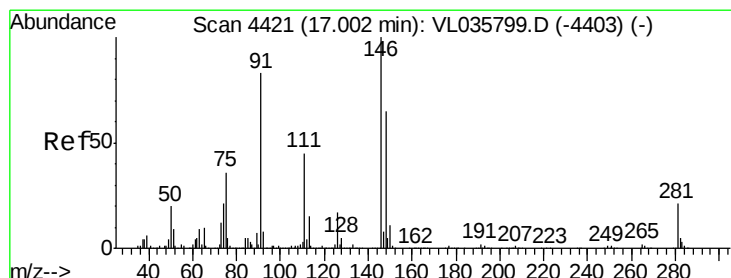
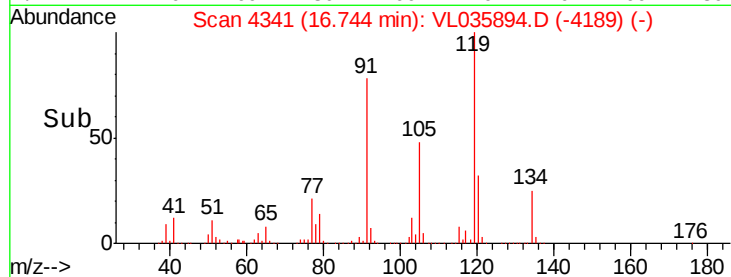
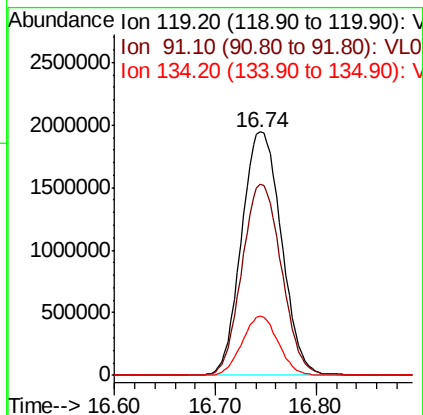
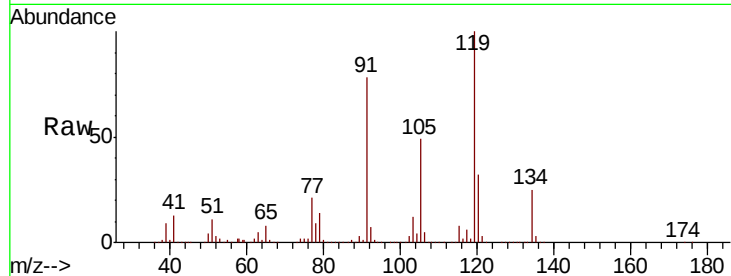




#65
tert-Butylbenzene
Concen: 6.974 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

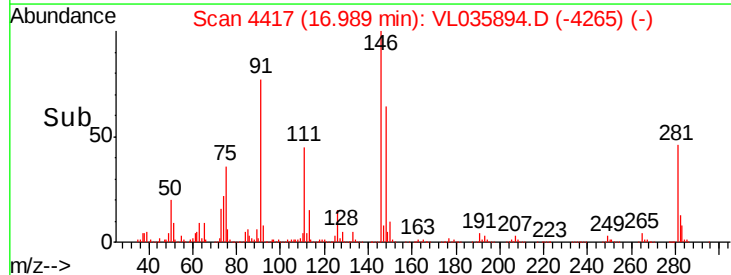
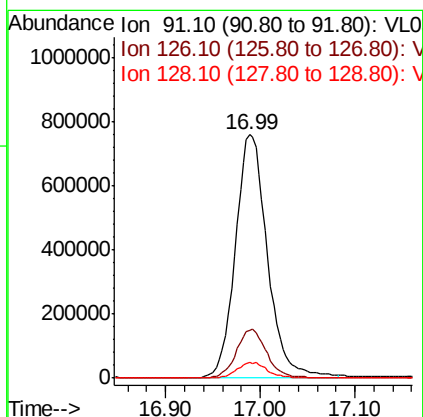
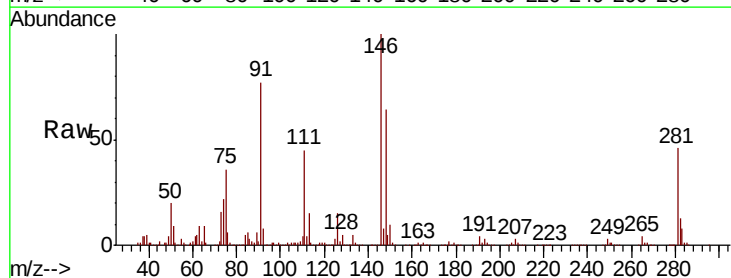
Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

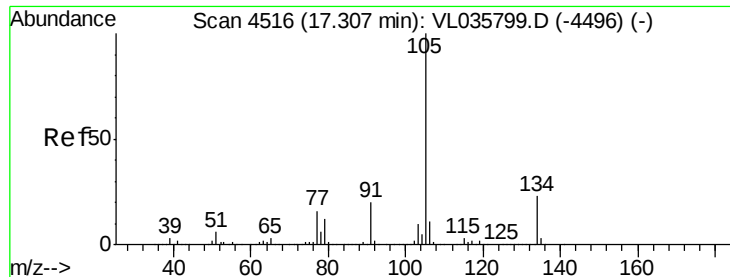
Tot Ion:119 Resp: 5326935
Ion Ratio Lower Upper
119 100
91 78.0 62.0 93.0
134 22.1 17.8 26.8



#66
Benzyl Chloride
Concen: 7.059 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 1782320
Ion Ratio Lower Upper
91 100
126 19.4 16.0 24.0
128 6.2 5.0 7.4





#67

sec-Butylbenzene

Concen: 7.012 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

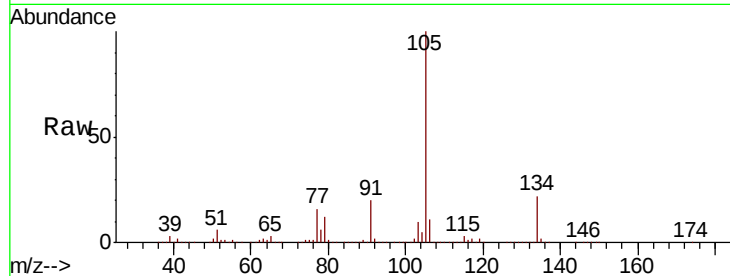
VL1110ABS01

Tot Ion:105 Resp: 7218315

Ion Ratio Lower Upper

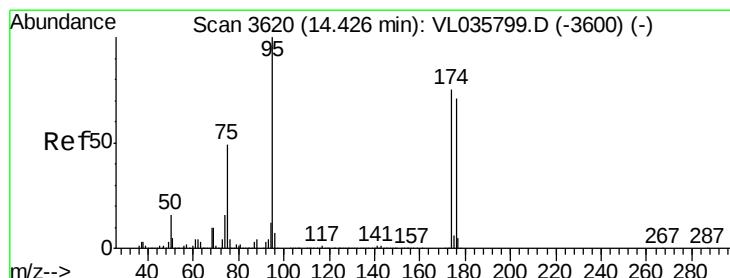
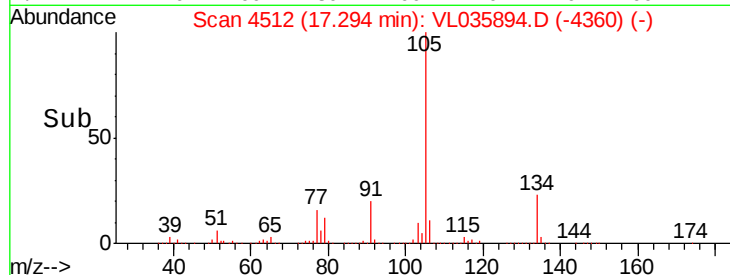
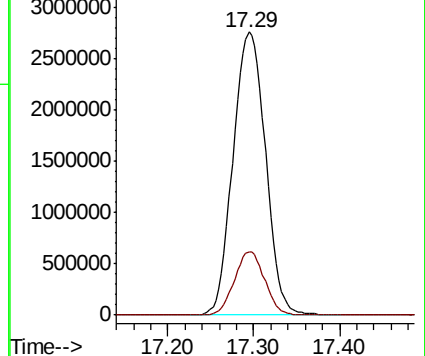
105 100

134 21.0 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: 8.477 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

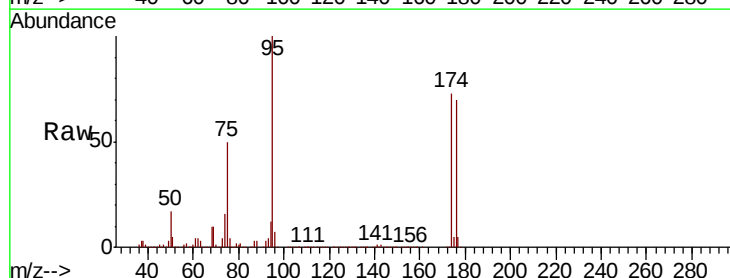
Tgt Ion: 95 Resp: 3208044

Ion Ratio Lower Upper

95 100

174 73.1 59.8 89.6

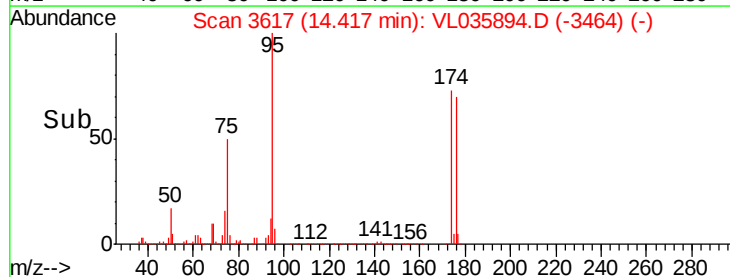
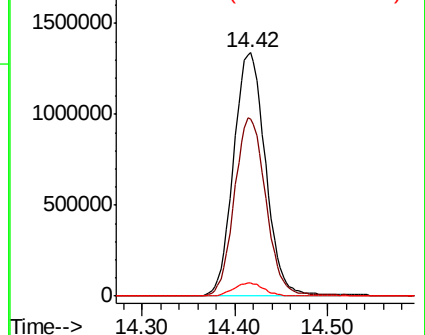
175 5.2 4.3 6.5

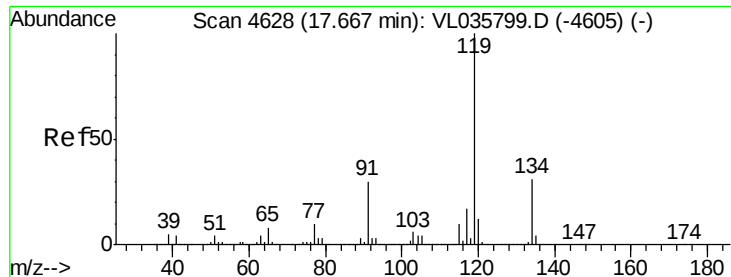


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

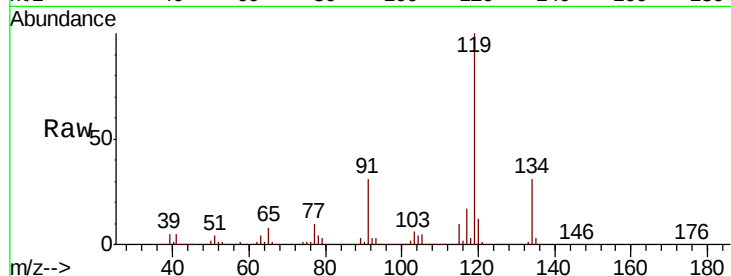




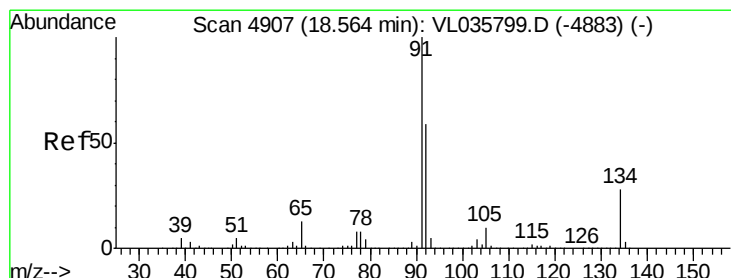
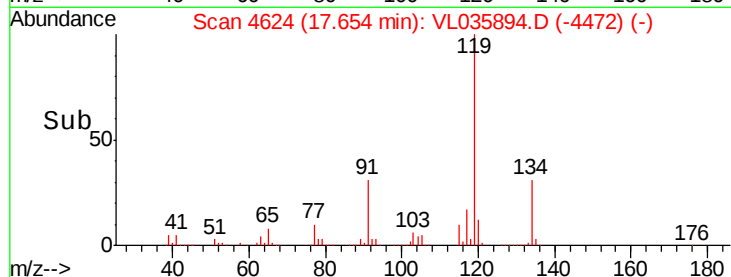
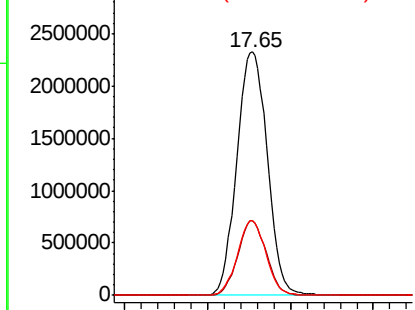
#69
 p-Isopropyltoluene
 Concen: 7.000 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion: 119 Resp: 5946561
 Ion Ratio Lower Upper
 119 100
 134 28.6 23.0 34.6
 91 28.7 22.8 34.2

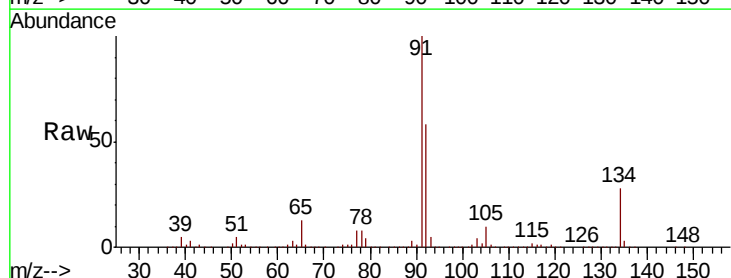


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

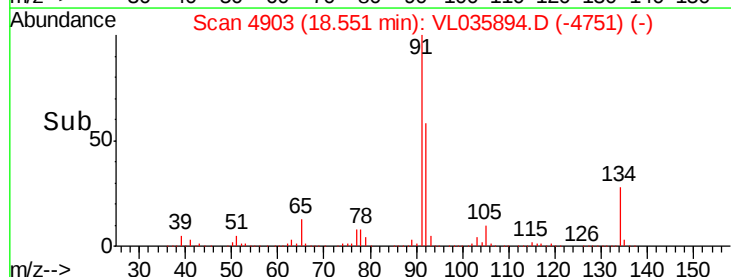
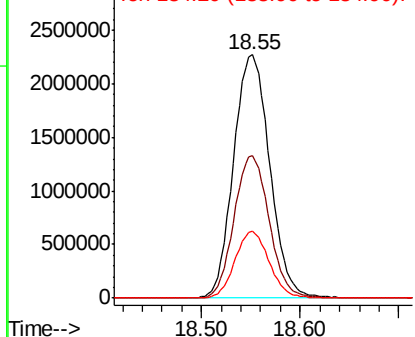


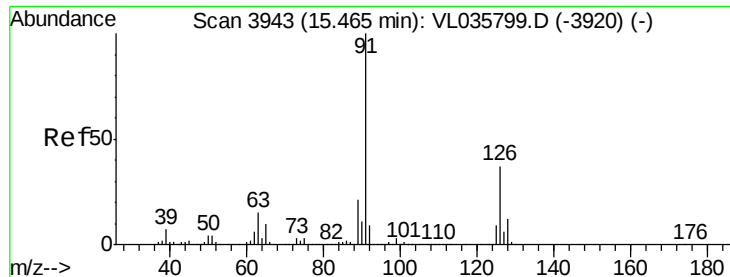
#70
 n-Butylbenzene
 Concen: 7.079 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 5791061
 Ion Ratio Lower Upper
 91 100
 92 56.9 45.7 68.5
 134 25.9 21.0 31.4



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

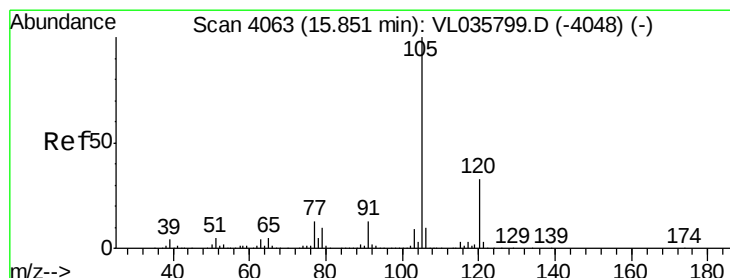
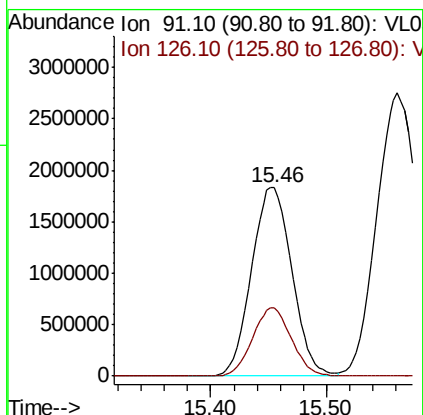
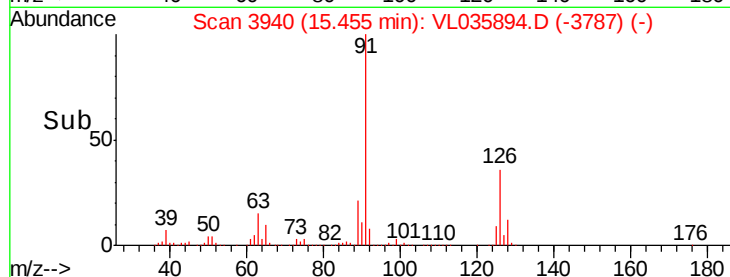
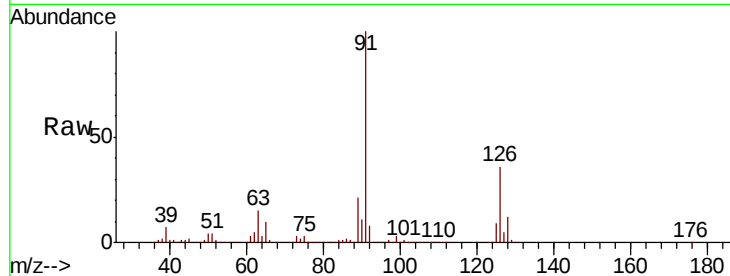




#71
 2-Chlorotoluene
 Concen: 7.247 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

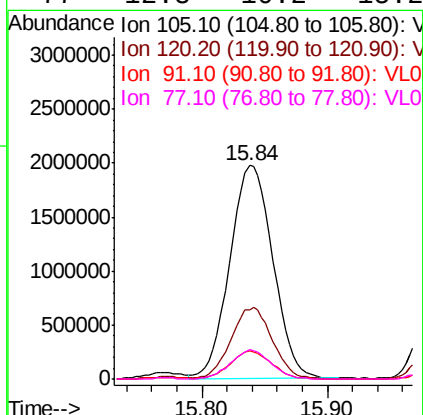
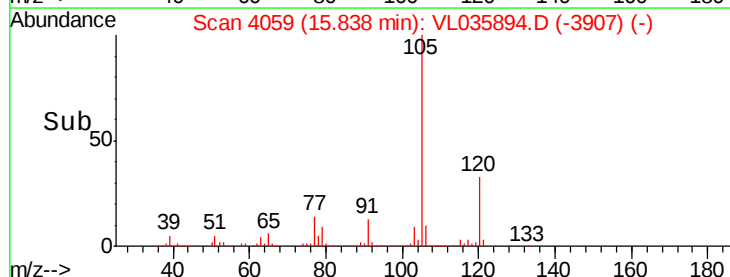
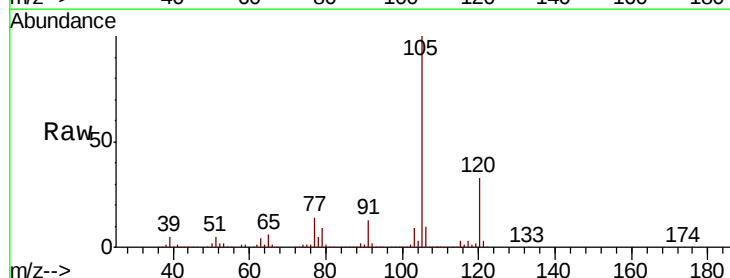
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

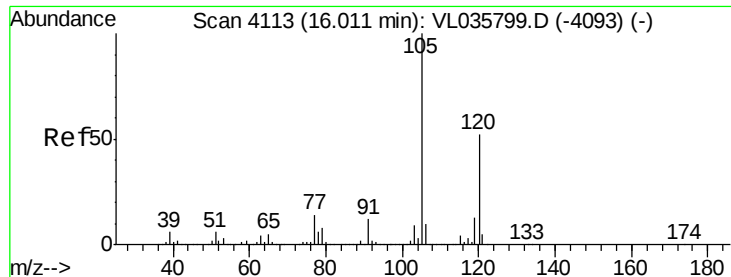
Tot Ion: 91 Resp: 4448194
 Ion Ratio Lower Upper
 91 100
 126 35.2 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 7.249 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 105 Resp: 4693960
 Ion Ratio Lower Upper
 105 100
 120 32.5 25.9 38.9
 91 12.6 9.9 14.9
 77 12.8 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 7.287 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

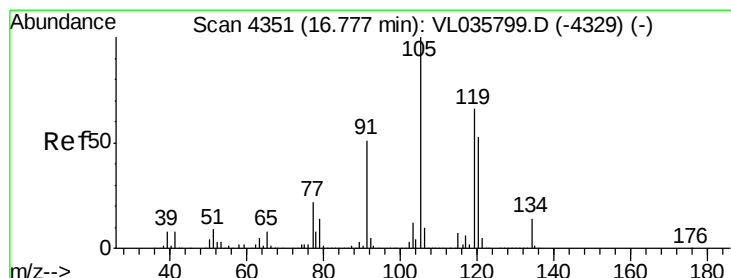
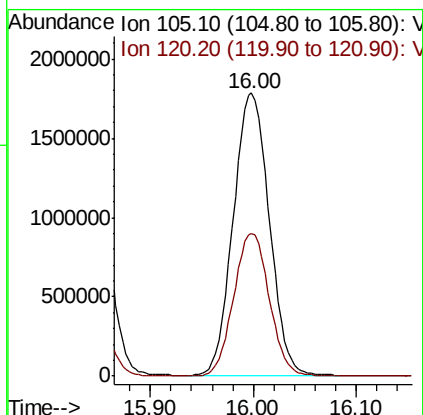
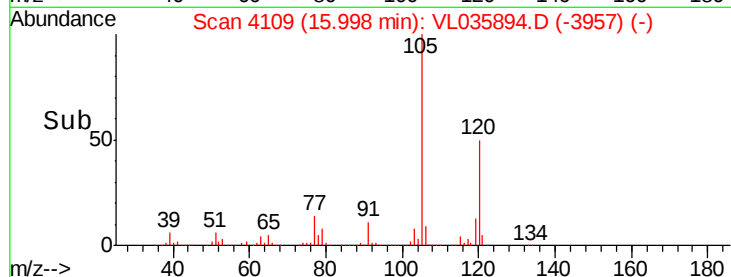
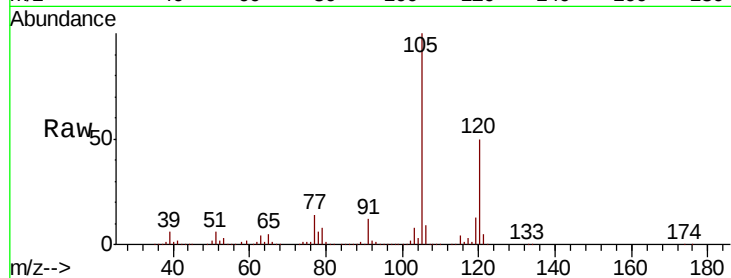
VL1110ABS01

Tot Ion:105 Resp: 4318288

Ion Ratio Lower Upper

105 100

120 50.4 41.4 62.2



#74

1,2,4-Trimethylbenzene

Concen: 7.038 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion:105 Resp: 4468987

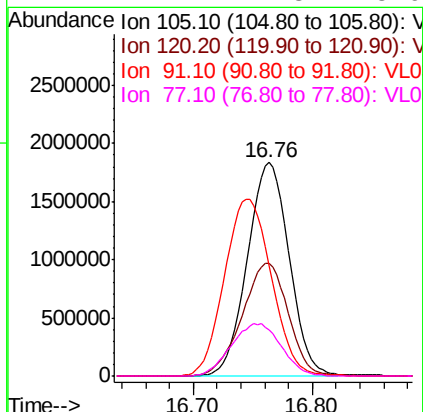
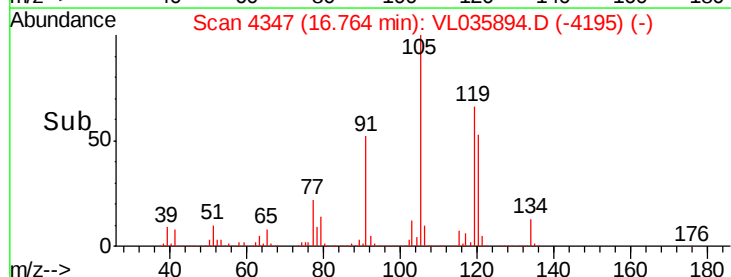
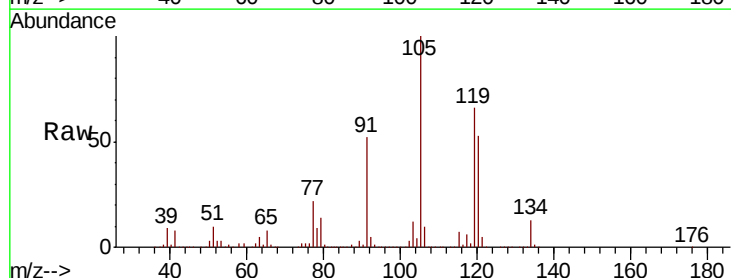
Ion Ratio Lower Upper

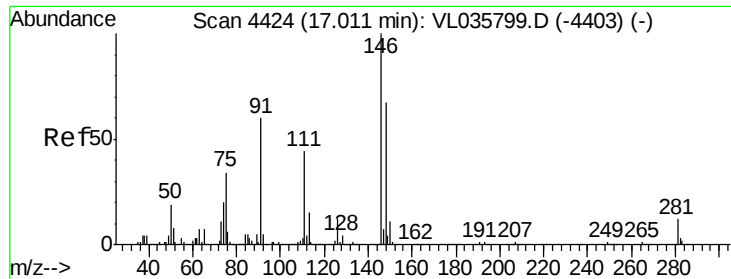
105 100

120 52.5 42.0 63.0

91 51.2 41.0 61.6

77 21.4 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 6.922 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

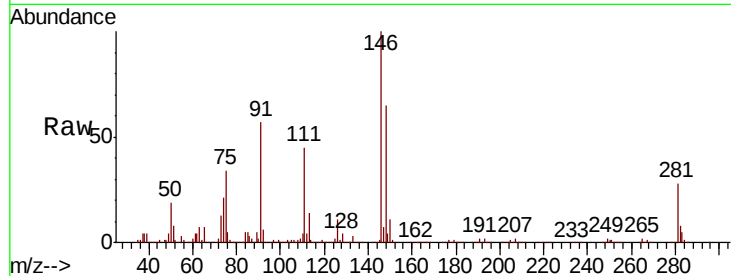
Tot Ion:146 Resp: 2798576

Ion Ratio Lower Upper

146 100

111 44.4 21.8 65.4

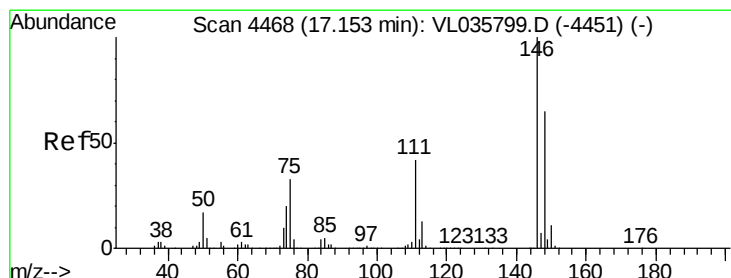
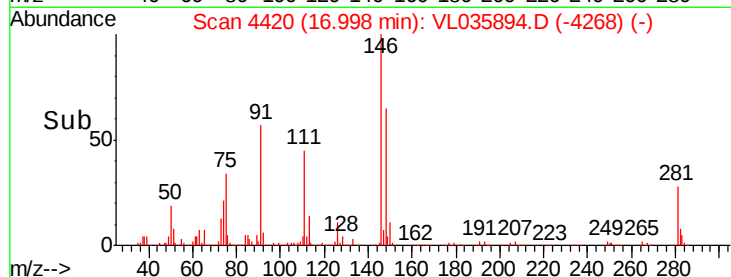
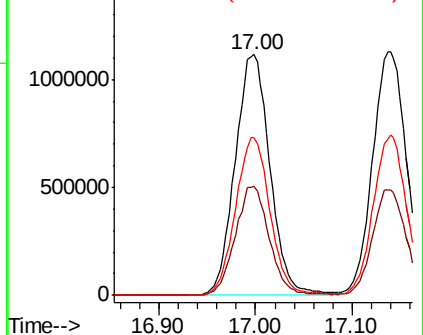
148 64.8 32.5 97.5



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: 6.956 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.02 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

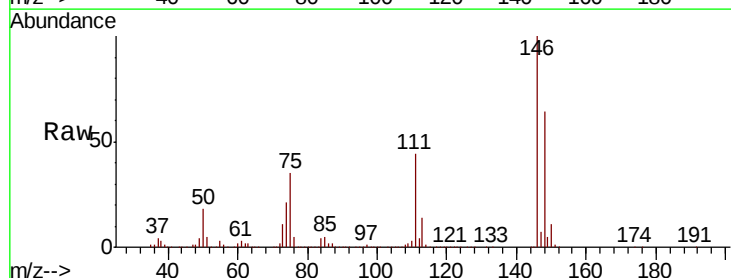
Tgt Ion:146 Resp: 2713086

Ion Ratio Lower Upper

146 100

111 44.1 21.3 63.7

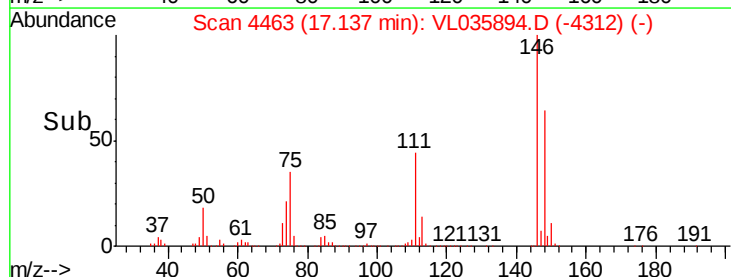
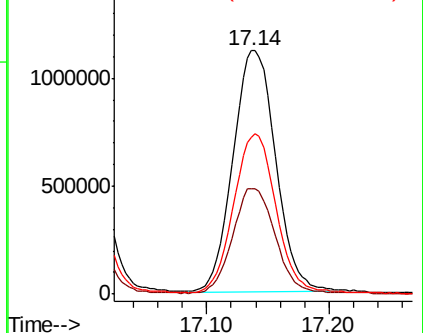
148 66.5 33.0 99.0

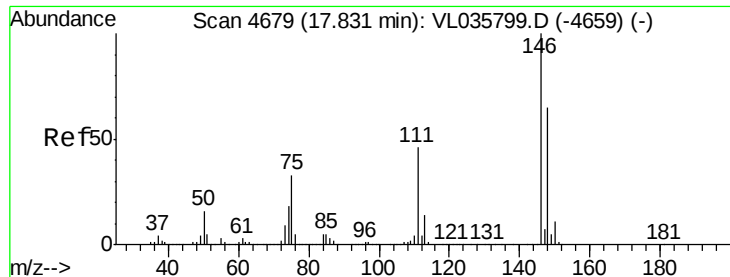


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

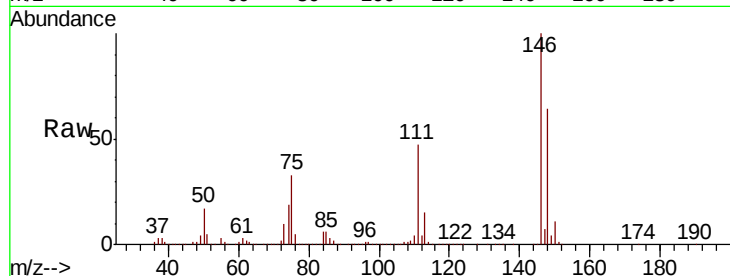




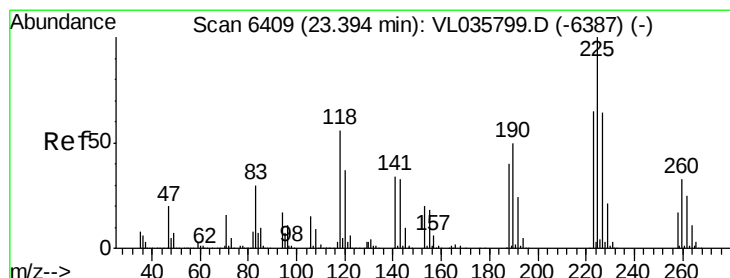
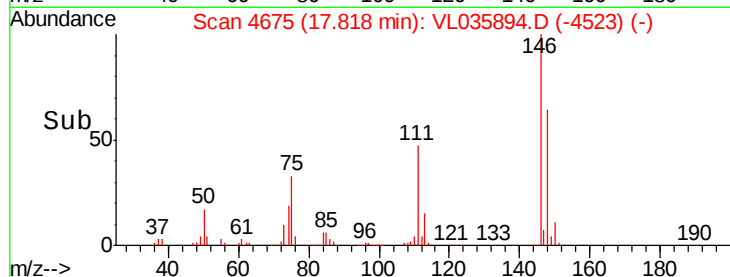
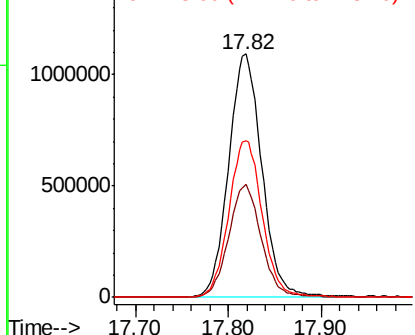
#77
 1,2-Dichlorobenzene
 Concen: 6.867 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampled :
 VL1110ABS01

Tot Ion:146 Resp: 2706369
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.4 67.0
 148 65.2 32.5 97.5

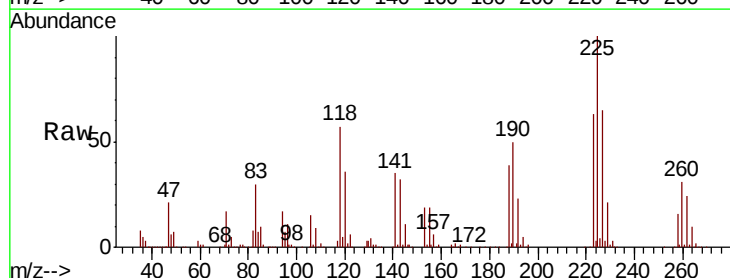


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

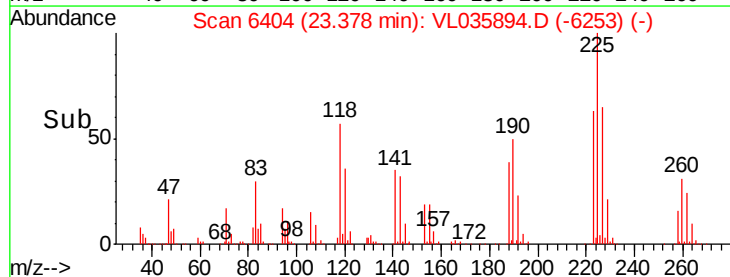
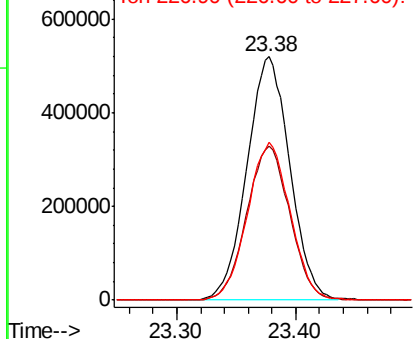


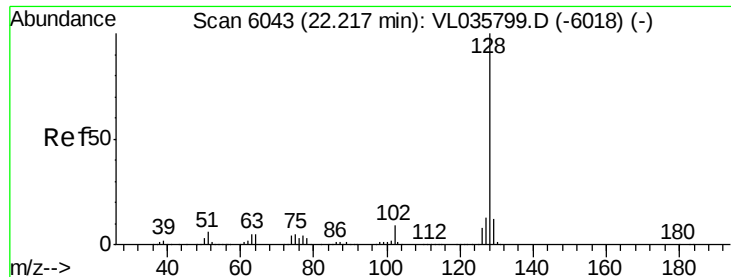
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.042 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion:225 Resp: 1294987
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.0 76.6
 227 64.8 51.2 76.8



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.876 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.02 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

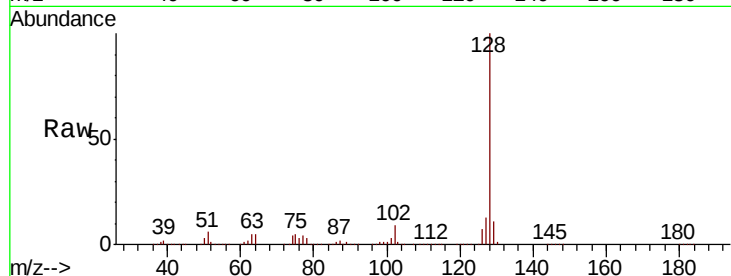
Tot Ion:128 Resp: 3043419

Ion Ratio Lower Upper

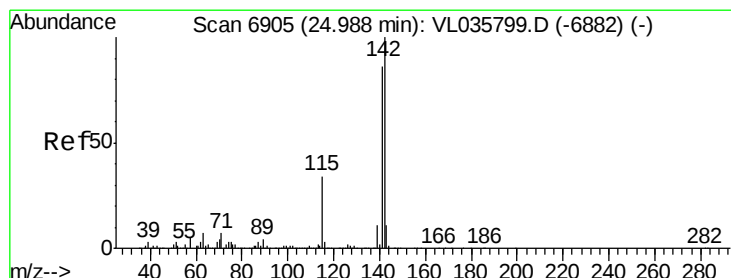
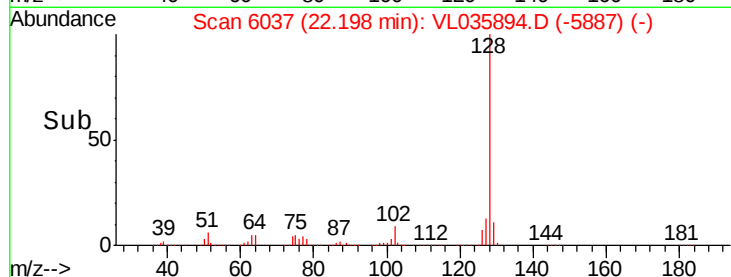
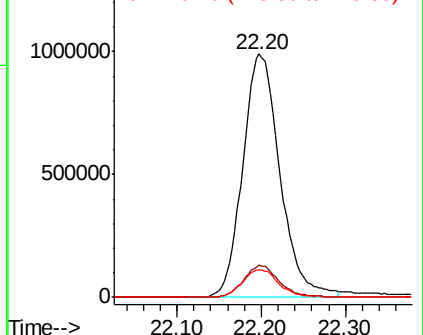
128 100

127 13.1 10.2 15.4

129 11.1 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.175 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

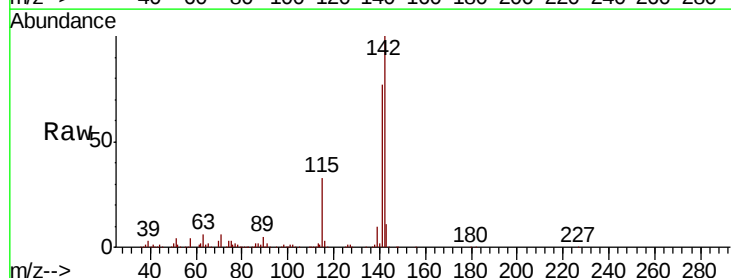
Tgt Ion:142 Resp: 517543

Ion Ratio Lower Upper

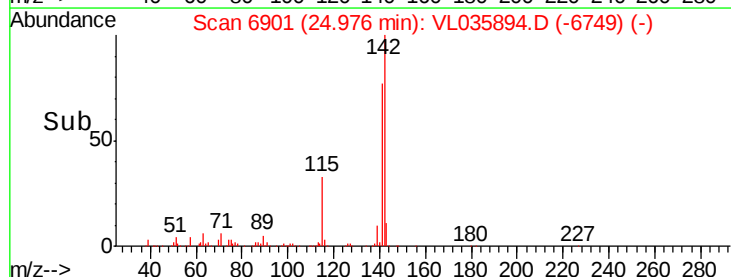
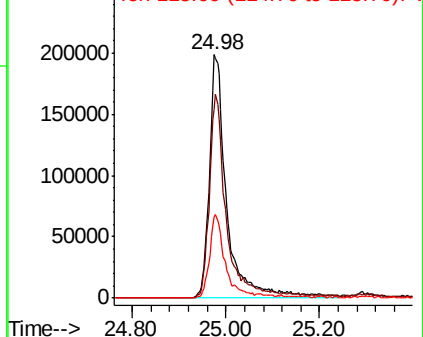
142 100

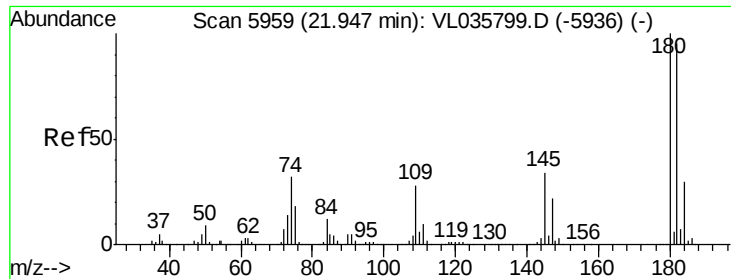
141 80.7 67.8 101.8

115 32.3 28.1 42.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

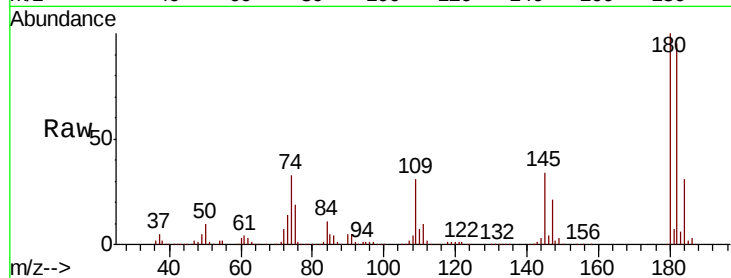




#81
 1,2,4-Trichlorobenzene
 Concen: 6.694 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion:180 Resp: 1655406
 Ion Ratio Lower Upper
 180 100
 182 98.9 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

