

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035830.D
 Acq On : 4 Nov 2020 12:07
 Operator : SY/AP
 Sample : VL1104ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 02:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	995883	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4489099	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	5317305	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3020181	7.99	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1662181	8.865	ppbv 100
3) Chlorodifluoromethane	2.96	51	1143186	9.586	ppbv 98
4) Chloromethane	3.11	50	563159	9.720	ppbv 98
5) Vinyl Chloride	3.23	62	720673	9.758	ppbv 100
6) Bromomethane	3.45	94	615395	10.361	ppbv 98
7) Chloroethane	3.53	64	273313	10.515	ppbv 96
8) Dichlorotetrafluoroethane	3.16	85	2148989	10.015	ppbv 99
9) Propene	2.98	41	422678	9.683	ppbv 97
10) Heptane	8.10	43	1203988	9.986	ppbv 98
11) Trichlorofluoromethane	3.92	101	2405998	10.219	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1813105	10.344	ppbv 98
13) Ethanol	3.58	45	84791	8.954	ppbv 98
14) Bromoethene	3.71	108	843757	10.459	ppbv 100
15) Acetone	3.82	43	966883	9.081	ppbv 100
16) 1,3-Butadiene	3.30	39	447321	9.759	ppbv 99
17) tert-Butyl alcohol	4.27	59	1459575	10.344	ppbv 100
18) 1,1-Dichloroethene	4.26	96	839582	10.432	ppbv 97
19) Isopropyl Alcohol	3.94	45	670790	10.252	ppbv # 97
20) Methylene Chloride	4.32	84	691161	9.222	ppbv 98
21) Allyl Chloride	4.38	41	607039	10.543	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	868408	10.644	ppbv 97
23) Vinyl Acetate	5.04	43	1450239	9.717	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1416608	9.963	ppbv 99
25) Ethyl Acetate	5.65	43	2058303	9.813	ppbv 99
26) Hexane	5.66	57	1143197	9.883	ppbv 97
27) Carbon Disulfide	4.52	76	1809261	10.439	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2117024	10.191	ppbv 98
29) Chloroform	5.73	83	2306568	10.145	ppbv 98
30) Cyclohexane	7.10	84	1294710	10.277	ppbv 95
31) cis-1,2-Dichloroethene	5.52	61	1229650	10.333	ppbv 97
32) 1,1,1-Trichloroethane	6.48	97	2354543	9.924	ppbv 99
34) 2-Butanone	5.21	43	1317589	9.044	ppbv 96
35) Carbon Tetrachloride	6.99	117	2342040	9.765	ppbv 98
36) Benzene	6.86	78	3053723	9.150	ppbv 98
37) 1,2-Dichloroethane	6.28	62	1442166	9.539	ppbv 99
38) Trichloroethene	7.81	130	1461745	8.967	ppbv 98
39) 1,2-Dichloropropane	7.58	63	1002531	8.923	ppbv 98
40) 1,4-Dioxane	7.80	88	503180	9.449	ppbv 87
41) Tetrahydrofuran	6.02	42	770336	9.307	ppbv 92
42) Bromodichloromethane	7.76	83	2475603	9.704	ppbv 100
43) Methyl Methacrylate	7.98	69	1230214	9.664	ppbv 96

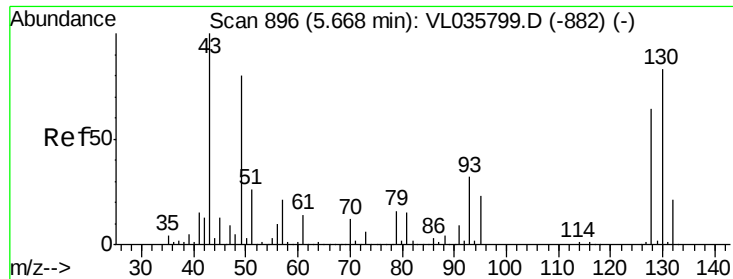
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035830.D
 Acq On : 4 Nov 2020 12:07
 Operator : SY/AP
 Sample : VL1104ABS01
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Instrument :
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Quant Time: Nov 05 02:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3875269	8.775	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1388813	10.292	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1688492	9.880	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1418176	9.263	ppbv	99
48) Dibromochloromethane	10.28	129	2353017	10.060	ppbv	100
49) Bromoform	13.01	173	2012999	10.199	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2017714	9.057	ppbv	97
51) 2-Hexanone	10.11	43	1657560	9.262	ppbv #	96
52) Tetrachloroethene	11.19	164	1413563	8.940	ppbv	99
53) Toluene	9.78	91	3761609	9.341	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2211529	9.498	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1820294	7.627	ppbv	99
57) Chlorobenzene	12.12	112	3024847	7.155	ppbv	98
58) Ethyl Benzene	12.68	91	4802276	7.415	ppbv	99
59) m/p-Xylene	12.97	91	4644824	8.477	ppbv #	46
60) o-Xylene	13.67	91	3848232	7.220	ppbv	99
61) Styrene	13.50	104	3082156	7.892	ppbv	98
62) Isopropylbenzene	14.64	105	5942721	7.094	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2628248	6.364	ppbv	100
64) n-propylbenzene	15.54	120	1779215	7.348	ppbv	95
65) tert-Butylbenzene	16.72	119	5287513	6.934	ppbv	98
66) Benzyl Chloride	16.96	91	1855158	7.360	ppbv	98
67) sec-Butylbenzene	17.27	105	7043094	6.854	ppbv	99
69) p-Isopropyltoluene	17.63	119	5900757	6.958	ppbv	99
70) n-Butylbenzene	18.53	91	5611499	6.871	ppbv	99
71) 2-Chlorotoluene	15.43	91	4403937	7.187	ppbv	98
72) 4-Ethyltoluene	15.82	105	4692430	7.259	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4301962	7.272	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4380049	6.910	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2860058	7.086	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2888789	7.419	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2803630	7.126	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1291265	7.034	ppbv	100
79) Naphthalene	22.17	128	3443311	7.792	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	741488	10.297	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1874047	7.591	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

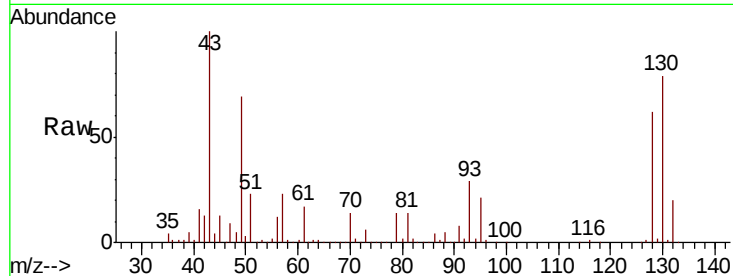
Tot Ion: 49 Resp: 995883

Ion Ratio Lower Upper

49 100

128 92.6 41.5 124.6

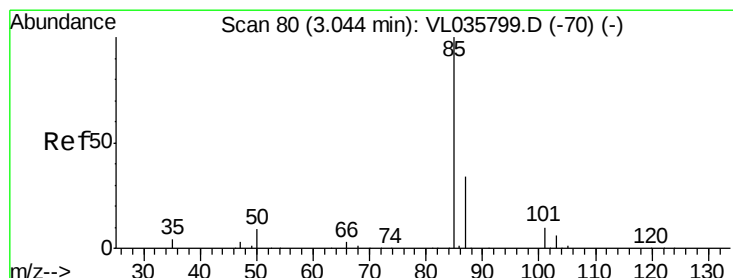
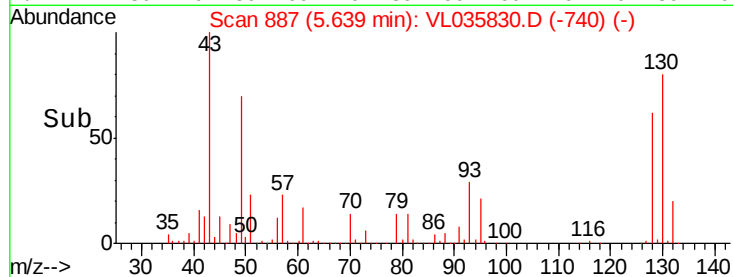
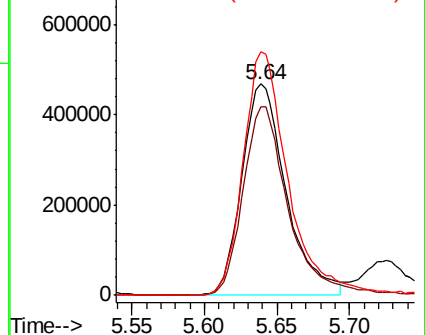
130 119.0 53.7 161.1



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: 8.865 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035830.D

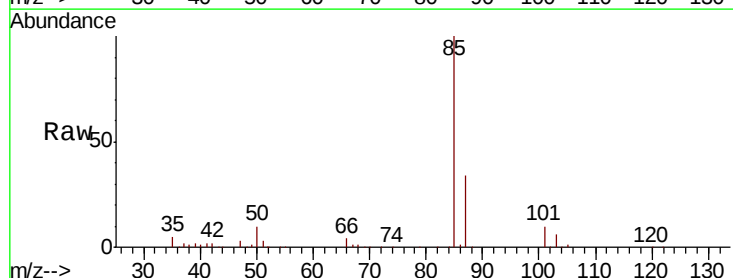
Acq: 4 Nov 2020 12:07

Tgt Ion: 85 Resp: 1662181

Ion Ratio Lower Upper

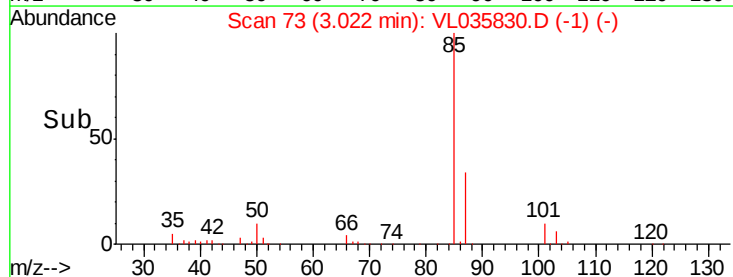
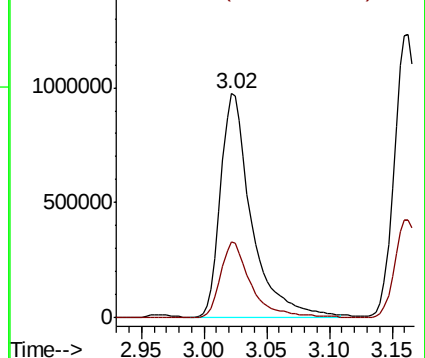
85 100

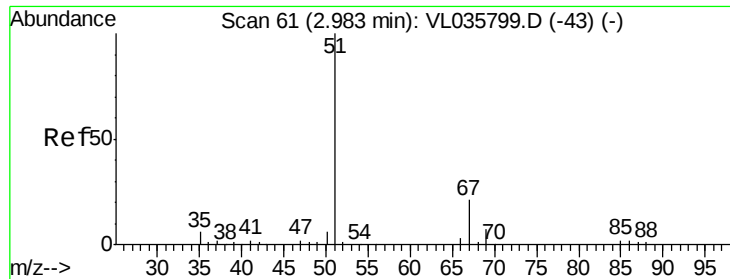
87 33.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.586 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

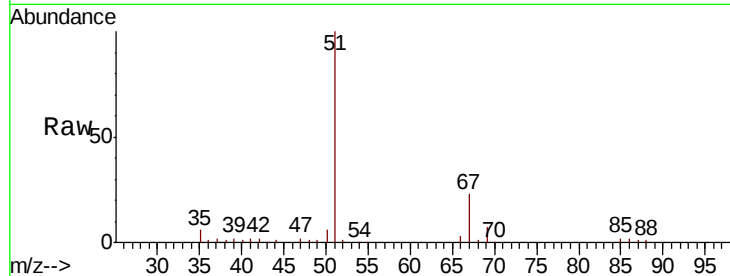
ClientSampleId :

Tot Ion: 51 Resp: 1143186

Ion Ratio Lower Upper

51 100

67 22.2 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

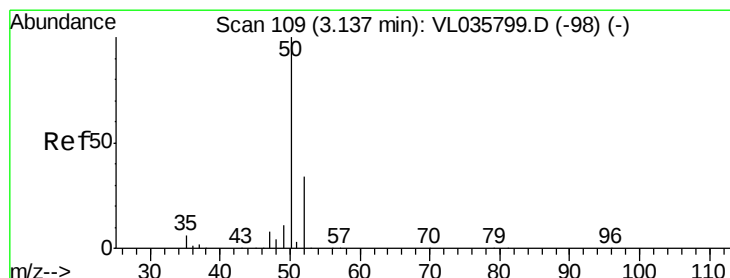
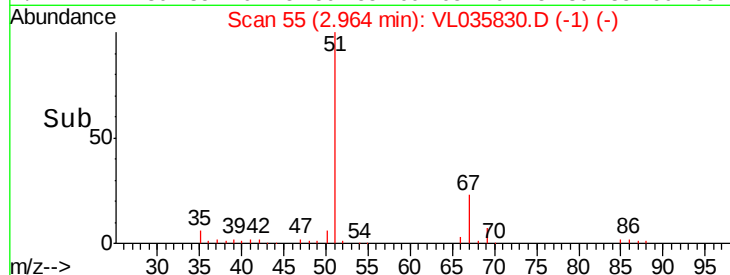
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.720 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035830.D

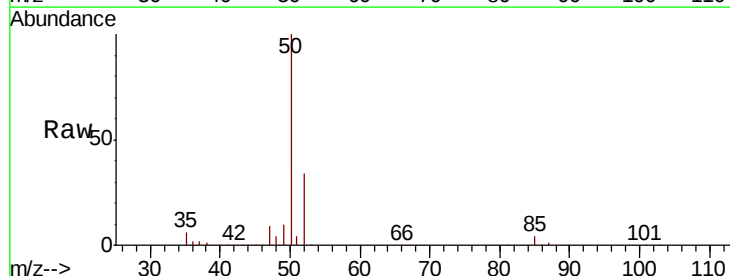
Acq: 4 Nov 2020 12:07

Tgt Ion: 50 Resp: 563159

Ion Ratio Lower Upper

50 100

52 34.9 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.11

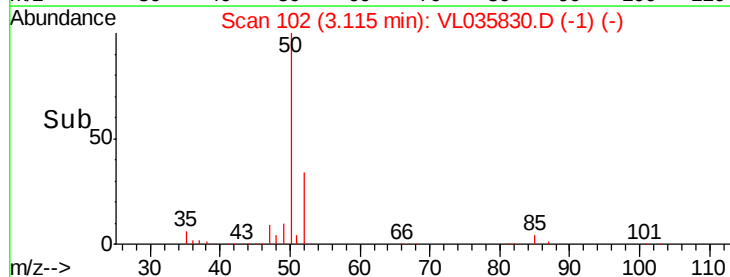
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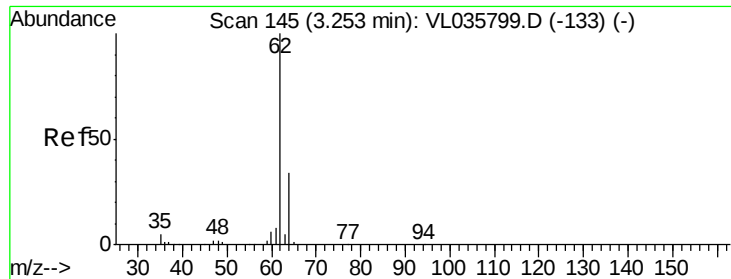
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.758 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

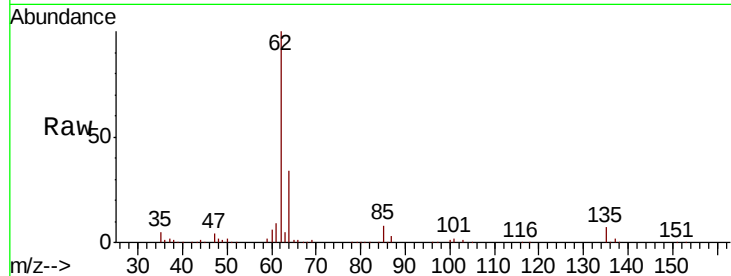
ClientSampleId :

Tot Ion: 62 Resp: 720673

Ion Ratio Lower Upper

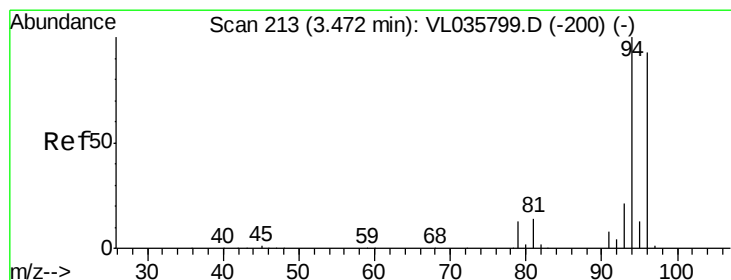
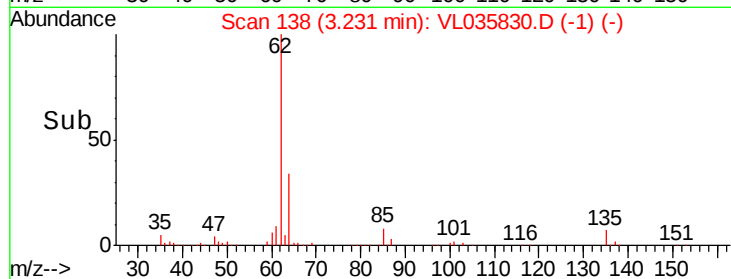
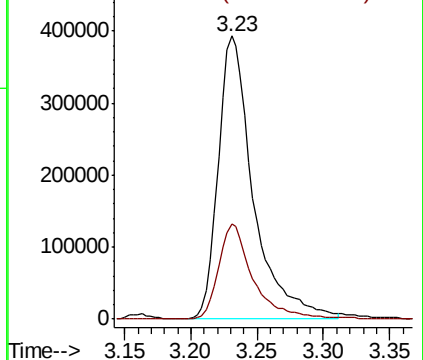
62 100

64 33.8 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: 10.361 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035830.D

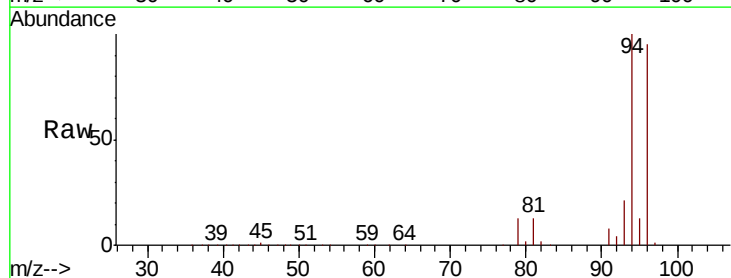
Acq: 4 Nov 2020 12:07

Tgt Ion: 94 Resp: 615395

Ion Ratio Lower Upper

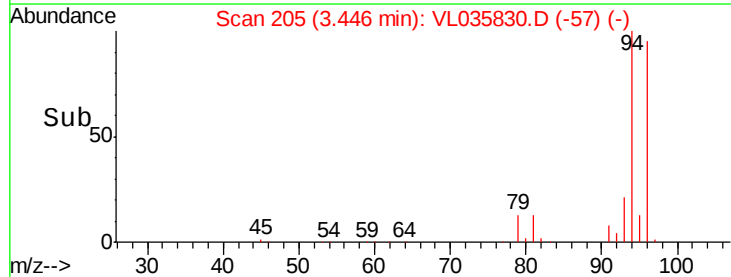
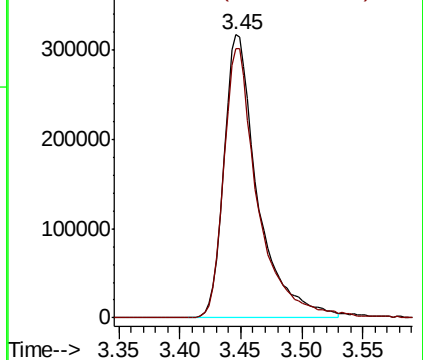
94 100

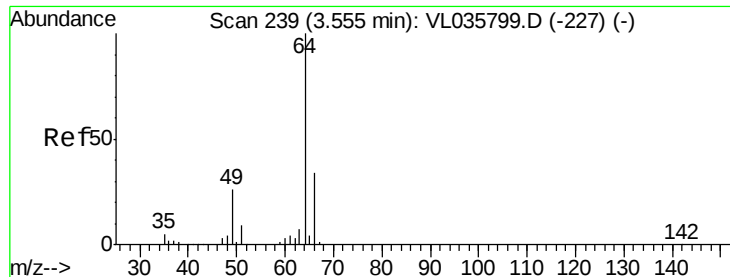
96 94.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.515 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

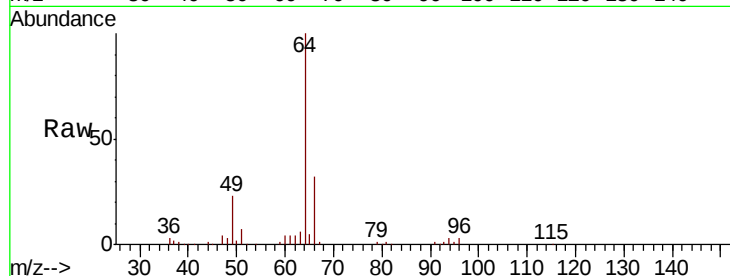
ClientSampleId :

Tot Ion: 64 Resp: 273313

Ion Ratio Lower Upper

64 100

66 31.6 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

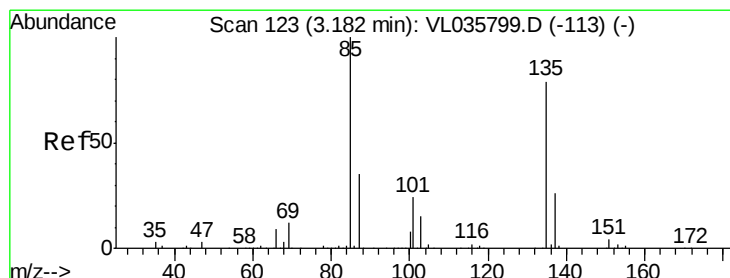
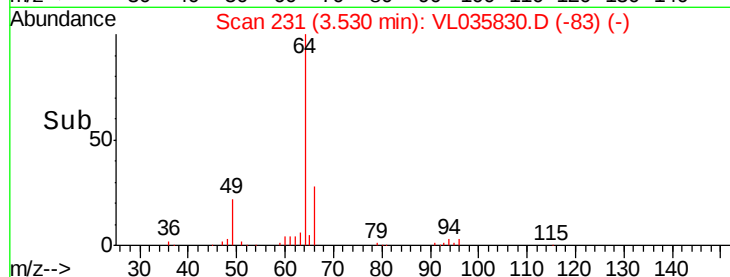
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.015 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035830.D

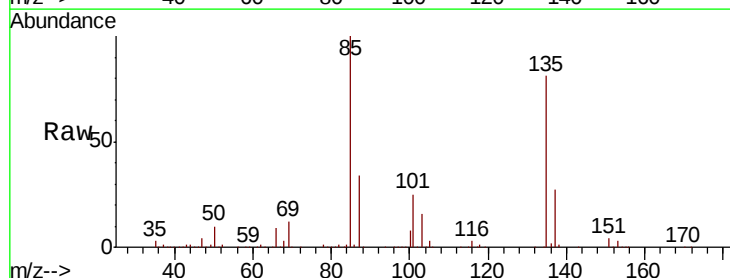
Acq: 4 Nov 2020 12:07

Tgt Ion: 85 Resp: 2148989

Ion Ratio Lower Upper

85 100

135 81.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

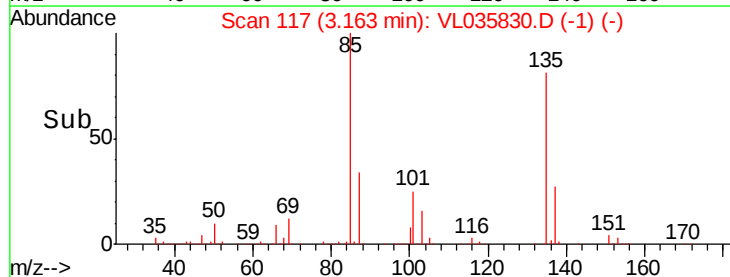
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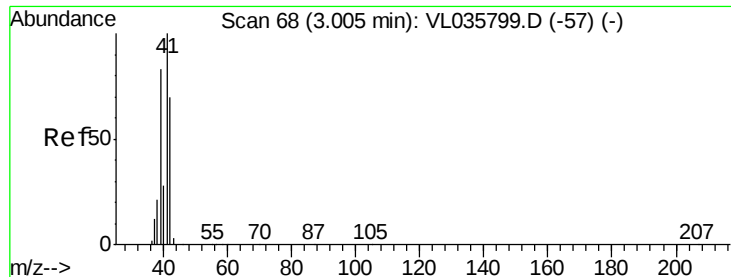
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500000

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Time-->





#9

Propene

Concen: 9.683 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

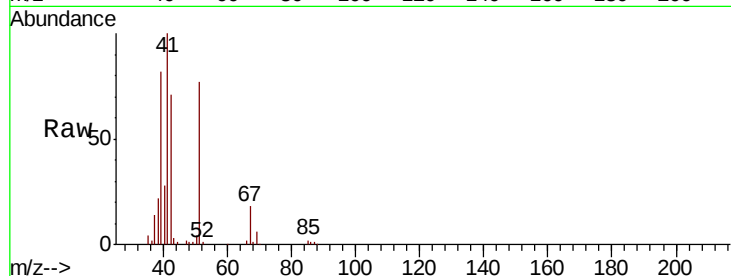
ClientSampleId :

Tot Ion: 41 Resp: 422678

Ion Ratio Lower Upper

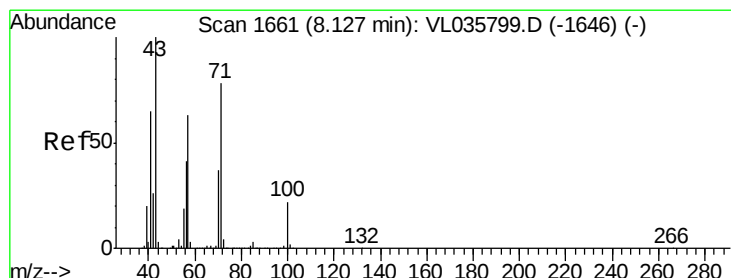
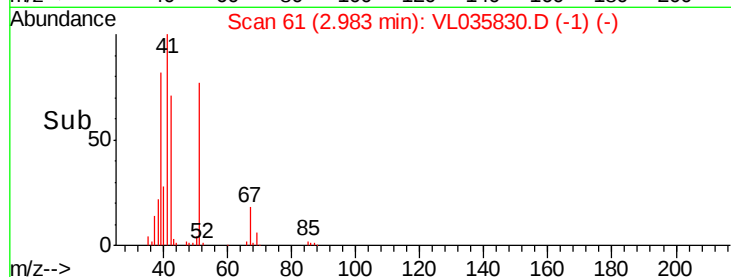
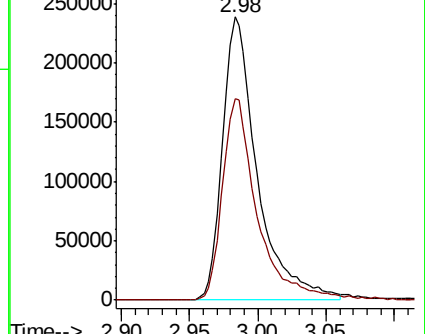
41 100

42 72.4 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.986 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.03 min

Lab File: VL035830.D

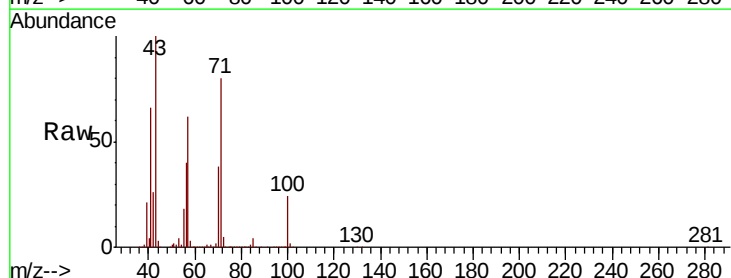
Acq: 4 Nov 2020 12:07

Tgt Ion: 43 Resp: 1203988

Ion Ratio Lower Upper

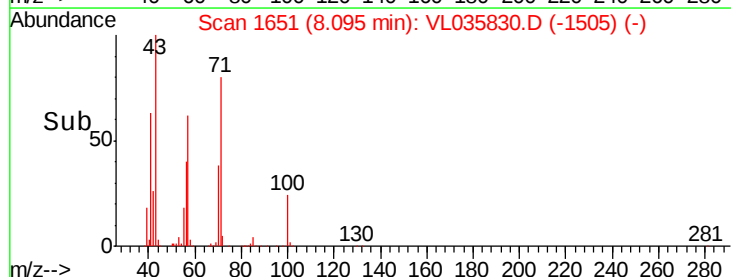
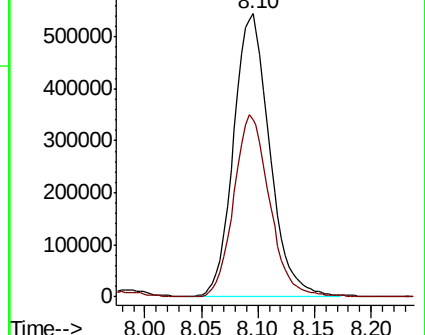
43 100

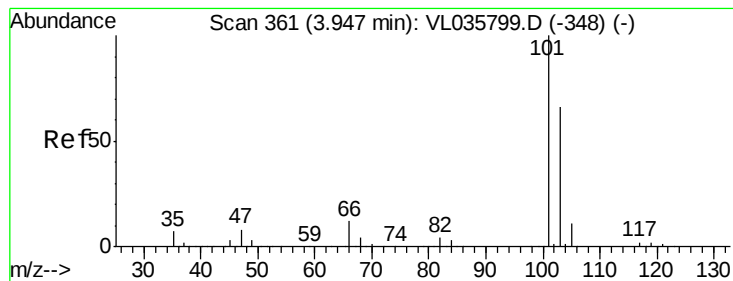
57 64.3 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



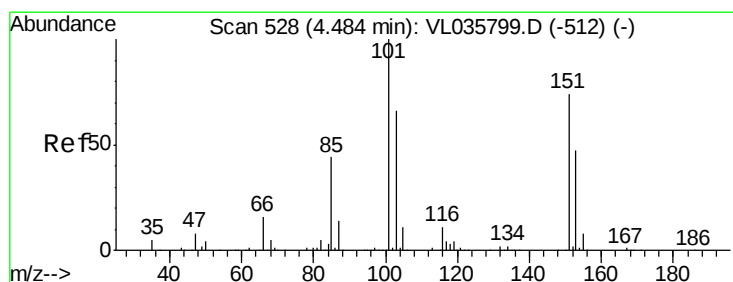
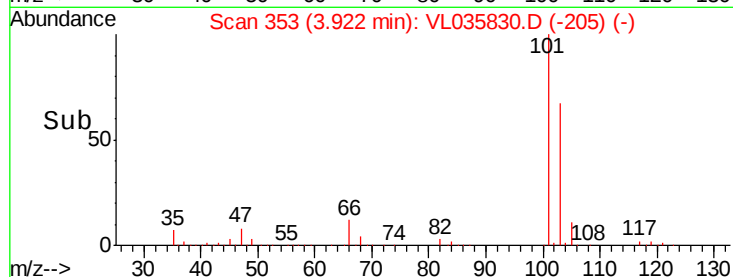
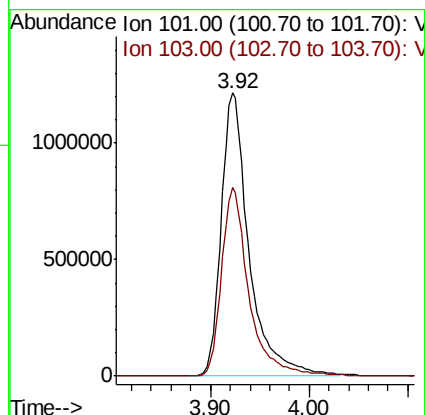
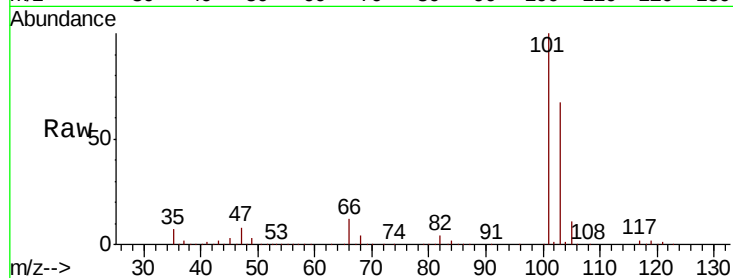


#11

Trichlorofluoromethane
 Concen: 10.219 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampled :

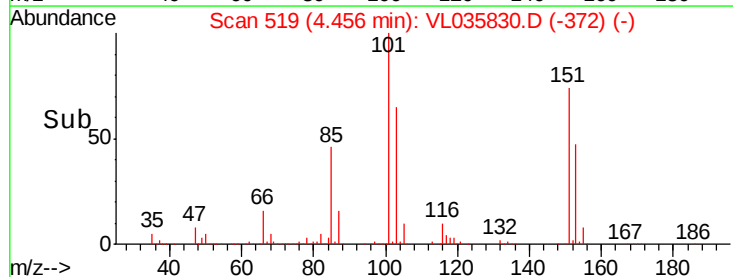
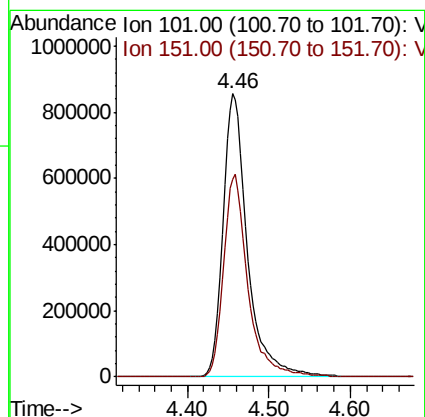
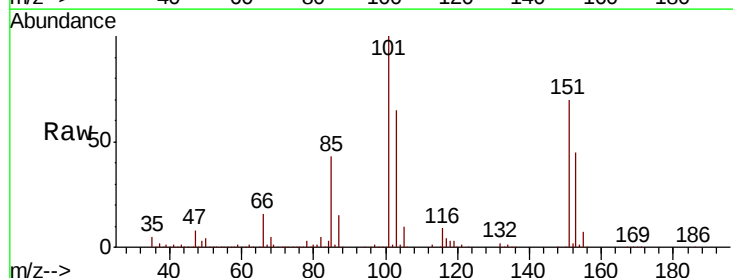
Tot Ion:101 Resp: 2405998
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.0 79.4

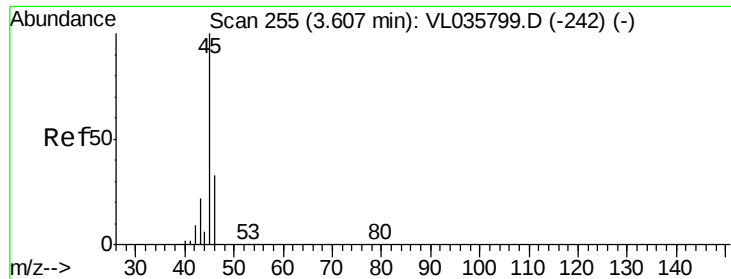


#12

1,1,2-Trichlorotrifluoroethane
 Concen: 10.344 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion:101 Resp: 1813105
 Ion Ratio Lower Upper
 101 100
 151 71.6 58.9 88.3





#13

Ethanol

Concen: 8.954 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

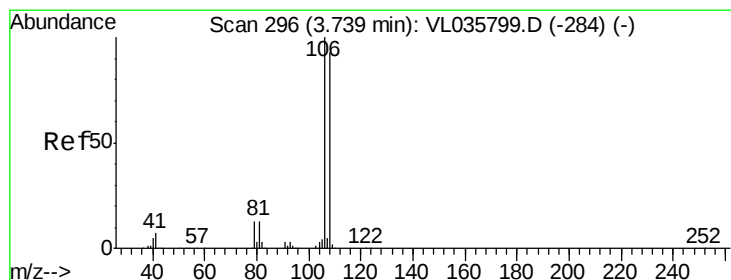
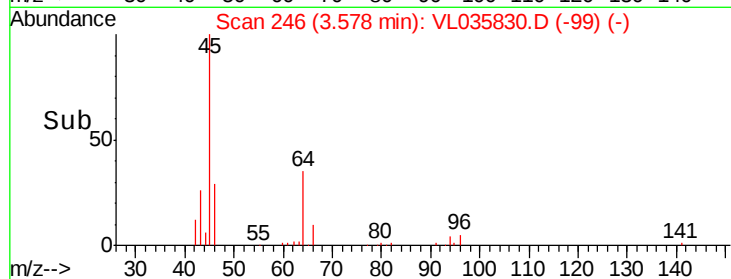
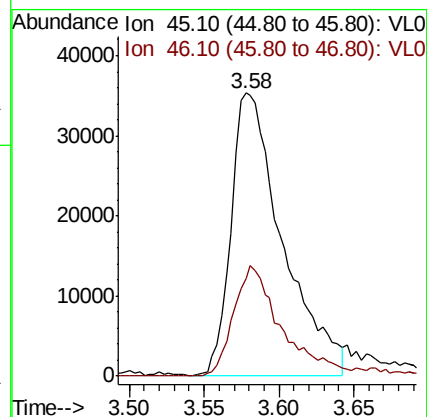
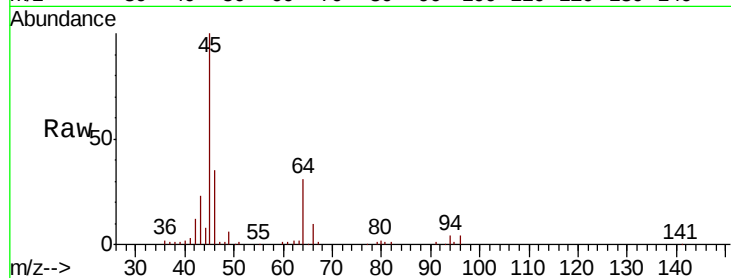
ClientSampleId :

Tot Ion: 45 Resp: 84791

Ion Ratio Lower Upper

45 100

46 39.1 16.1 64.5



#14

Bromoethene

Concen: 10.459 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

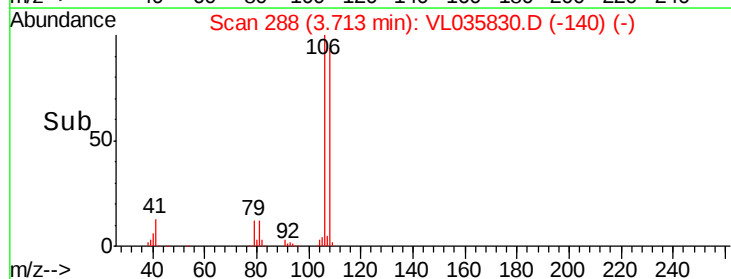
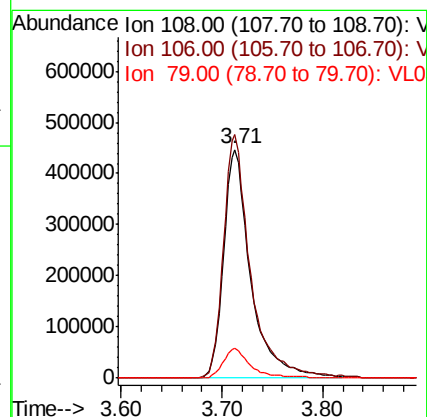
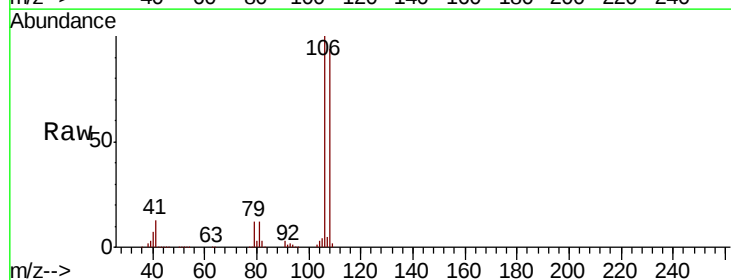
Tgt Ion: 108 Resp: 843757

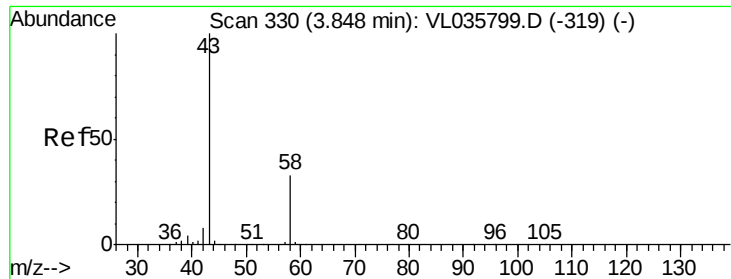
Ion Ratio Lower Upper

108 100

106 106.5 85.3 127.9

79 13.3 11.6 17.4





#15

Acetone

Concen: 9.081 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

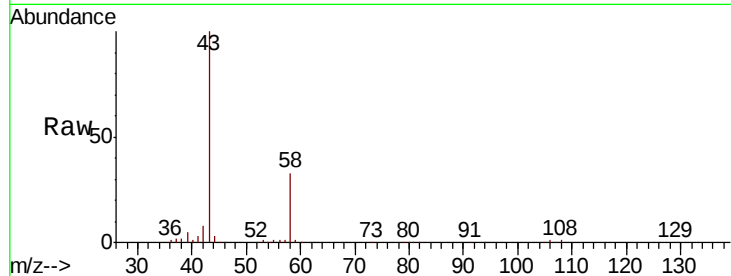
ClientSampled :

Tot Ion: 43 Resp: 966883

Ion Ratio Lower Upper

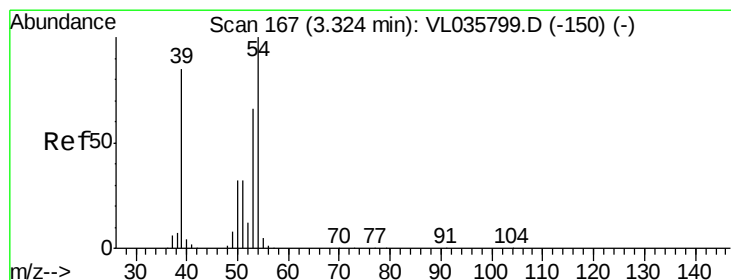
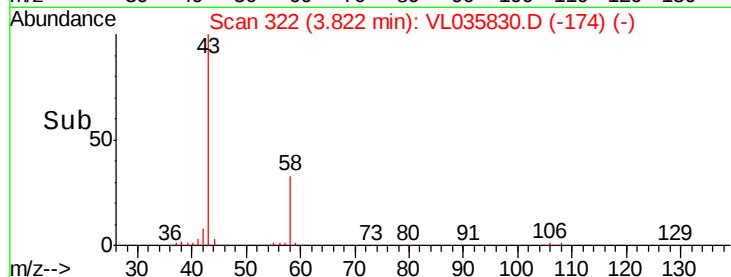
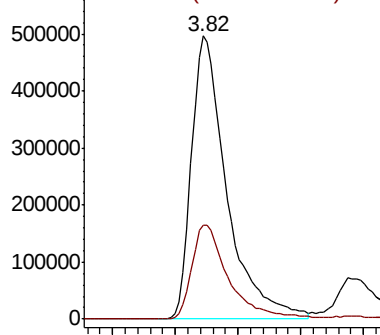
43 100

58 34.6 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.759 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL035830.D

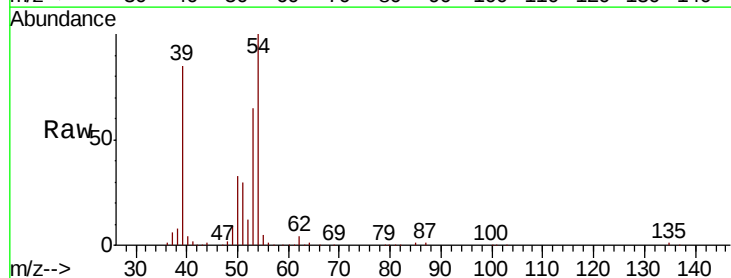
Acq: 4 Nov 2020 12:07

Tgt Ion: 39 Resp: 447321

Ion Ratio Lower Upper

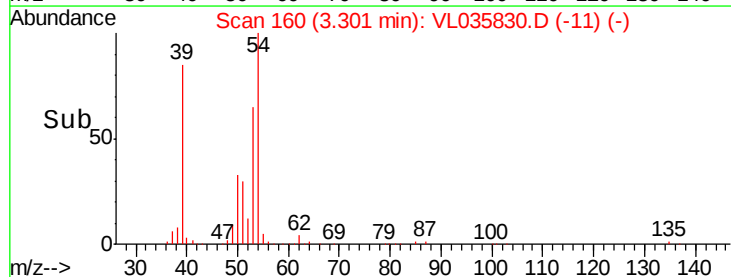
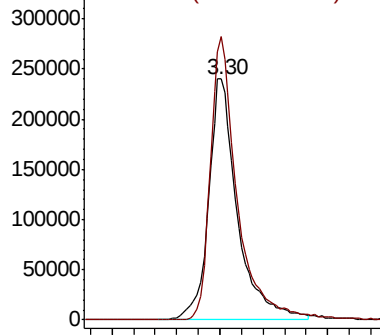
39 100

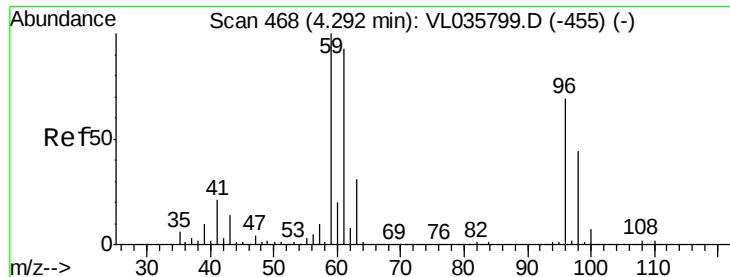
54 110.4 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.344 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

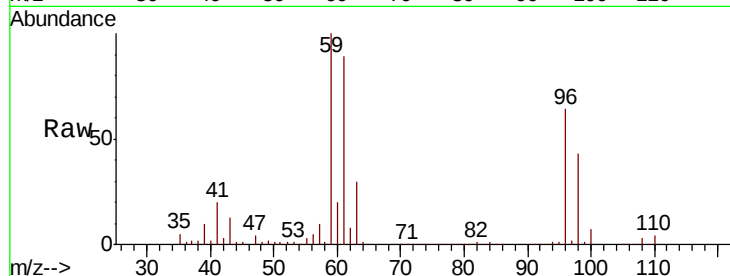
ClientSampleId :

Tot Ion: 59 Resp: 1459575

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

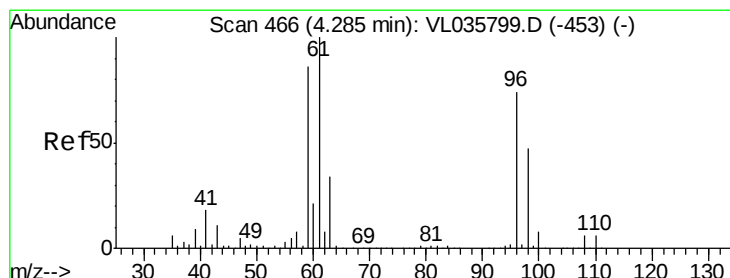
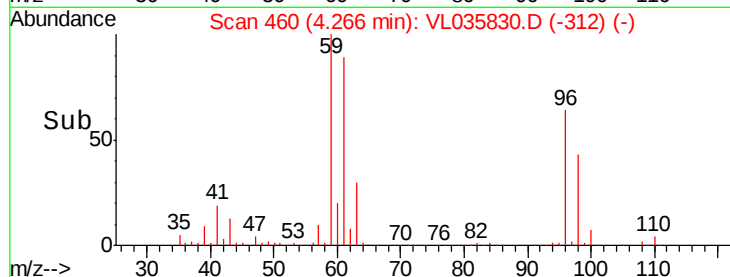
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.432 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

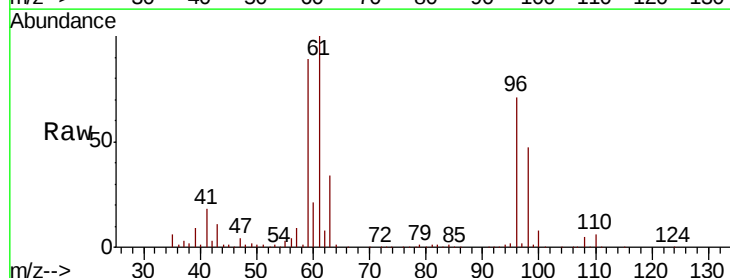
Tgt Ion: 96 Resp: 839582

Ion Ratio Lower Upper

96 100

61 140.1 108.5 162.7

98 65.5 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

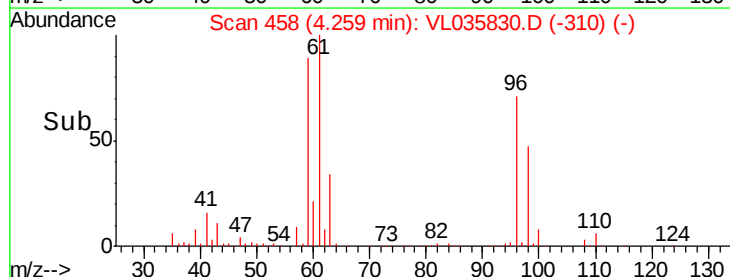
600000

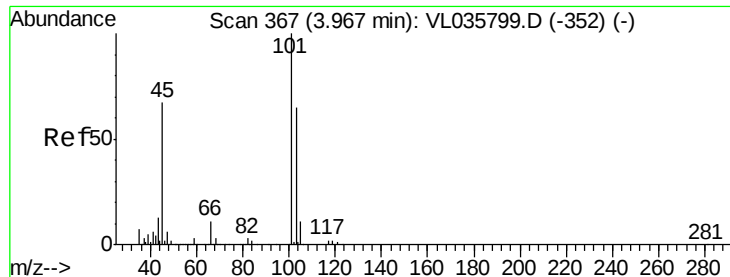
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.252 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

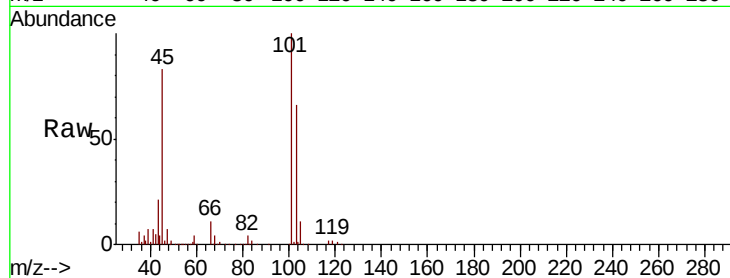
ClientSampleId :

Tot Ion: 45 Resp: 670790

Ion Ratio Lower Upper

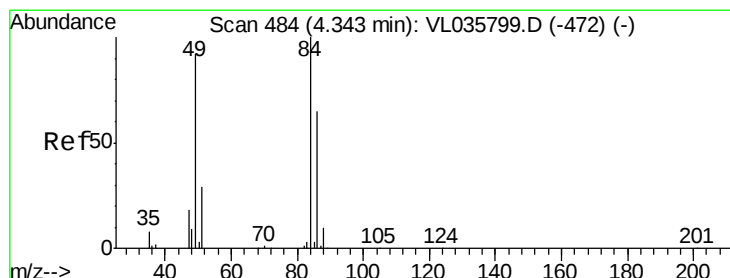
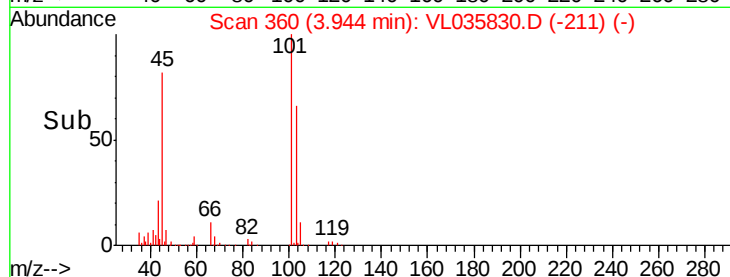
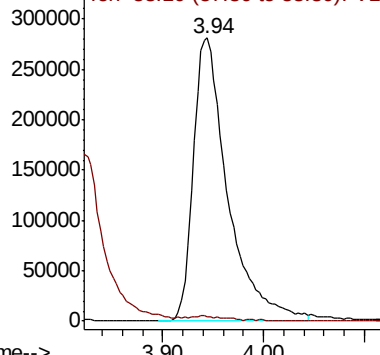
45 100

58 2.1 2.6 3.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.222 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion: 84 Resp: 691161

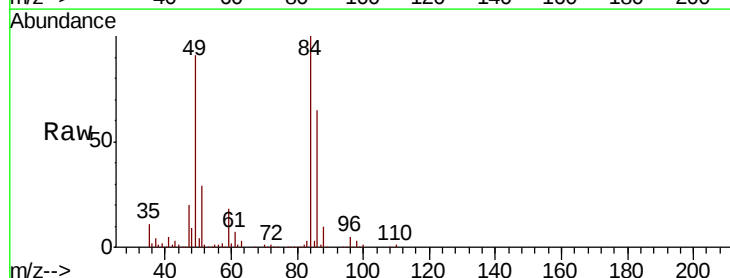
Ion Ratio Lower Upper

84 100

49 89.7 73.8 110.8

51 27.2 23.0 34.4

86 65.1 52.1 78.1

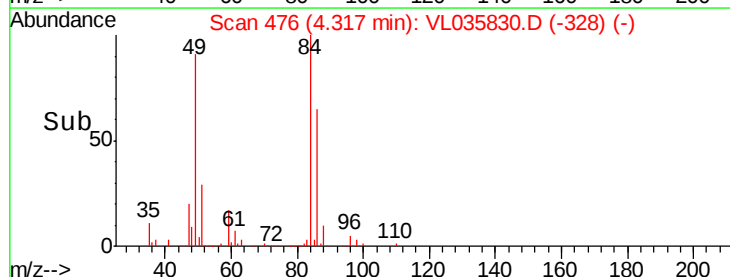
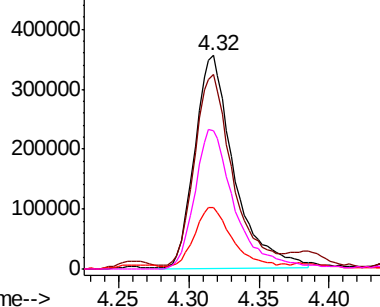


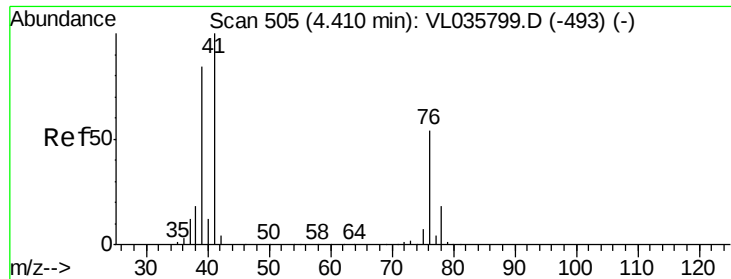
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

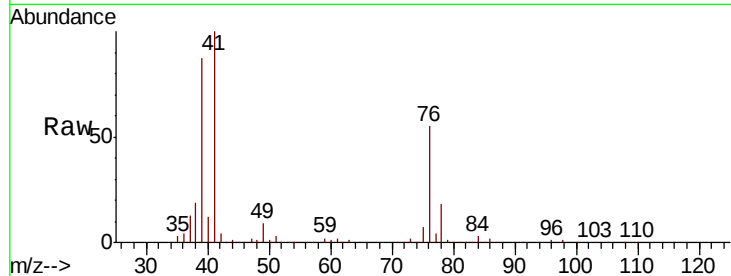




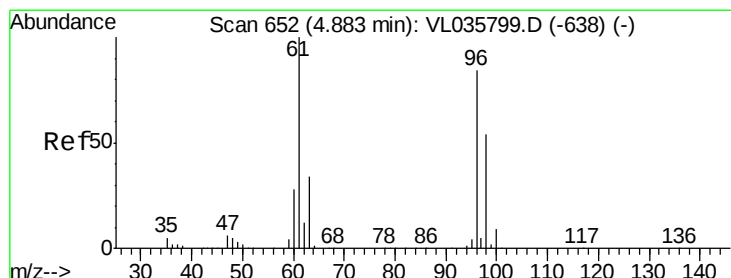
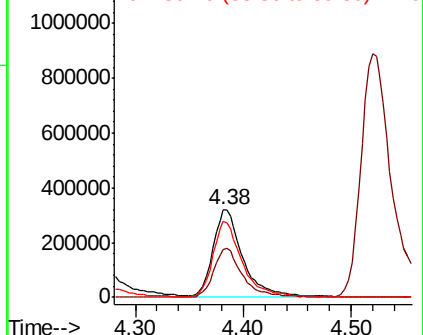
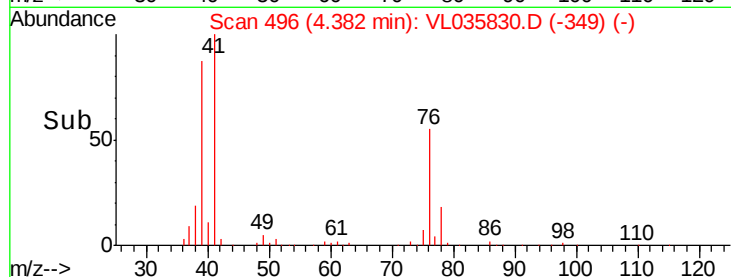
#21
Allvl Chloride
Concen: 10.543 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 607039
Ion Ratio Lower Upper
41 100
76 55.3 42.6 63.8
39 85.8 67.0 100.4

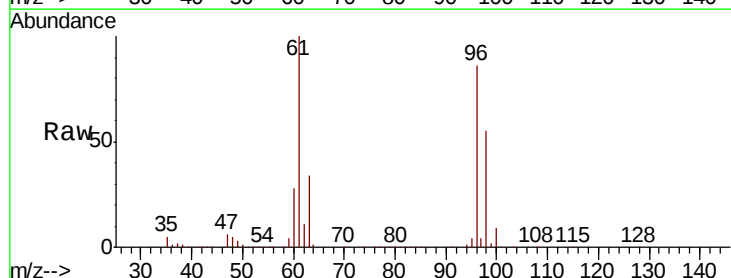


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

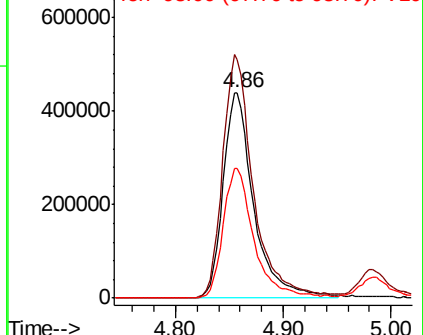
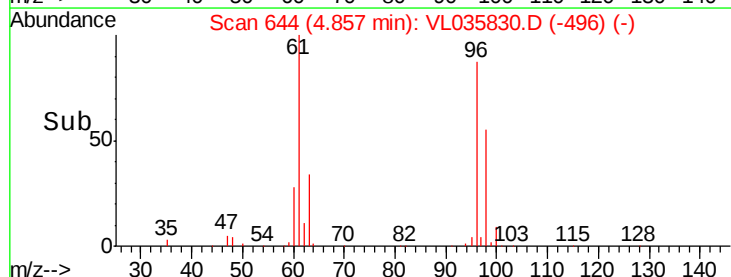


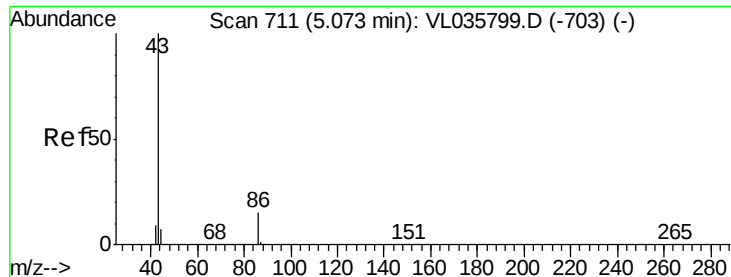
#22
trans-1,2-Dichloroethene
Concen: 10.644 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 96 Resp: 868408
Ion Ratio Lower Upper
96 100
61 115.7 95.4 143.0
98 63.3 51.8 77.6



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





#23

Vinyl Acetate

Concen: 9.717 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1450239

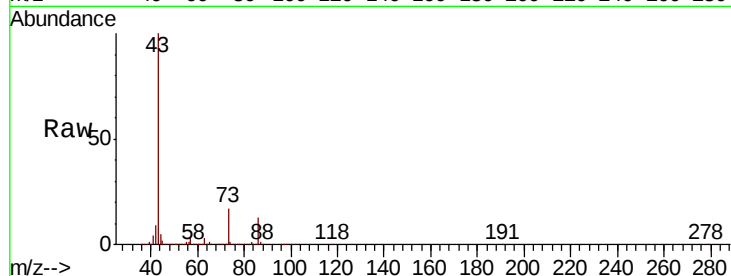
Ion Ratio Lower Upper

43 100

86 12.7 9.8 14.6

42 9.2 8.1 12.1

44 4.7 4.2 6.4

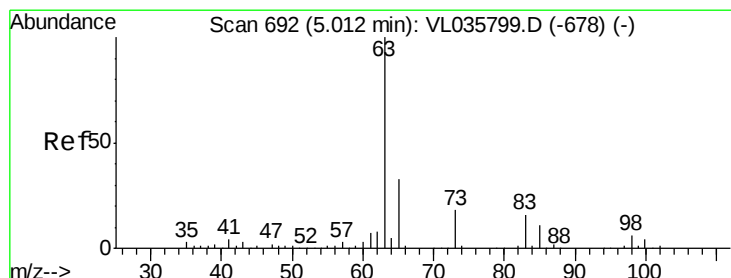
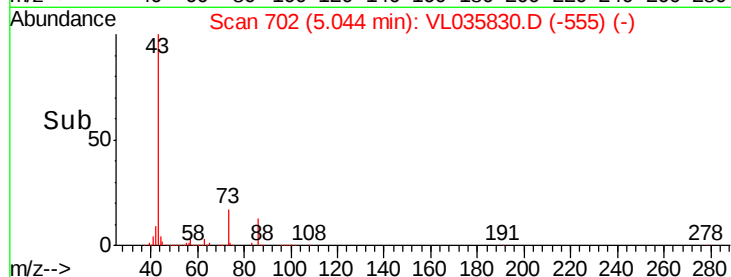
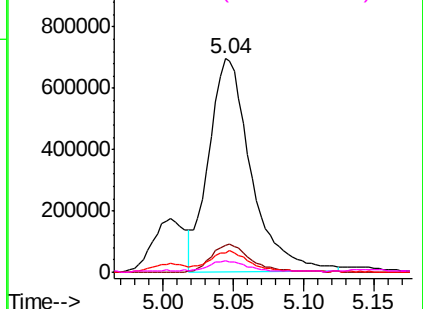


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.963 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

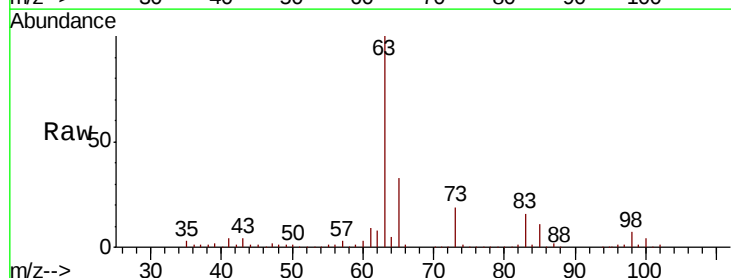
Tgt Ion: 63 Resp: 1416608

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

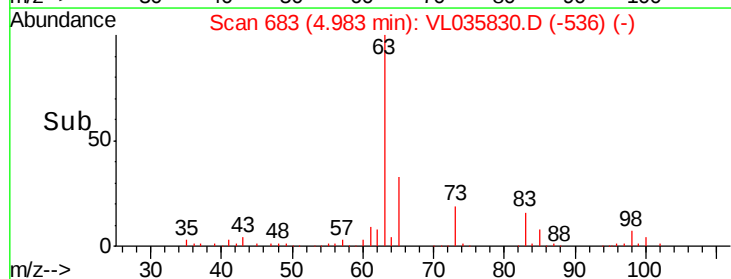
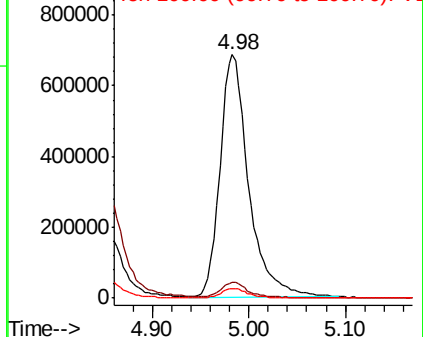
100 4.0 1.8 5.4



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

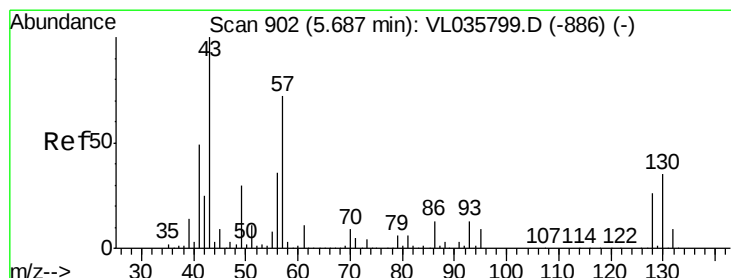
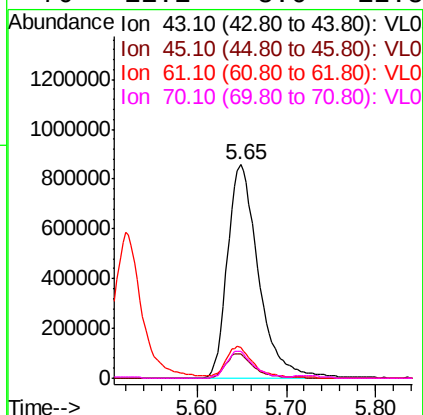
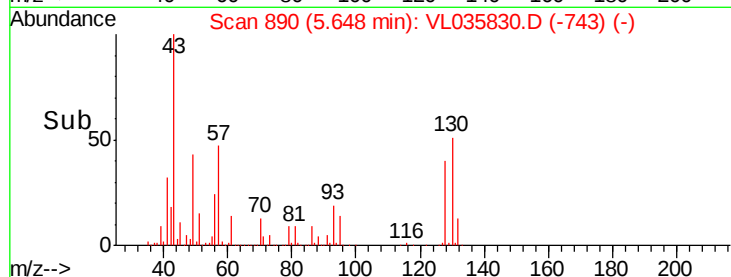
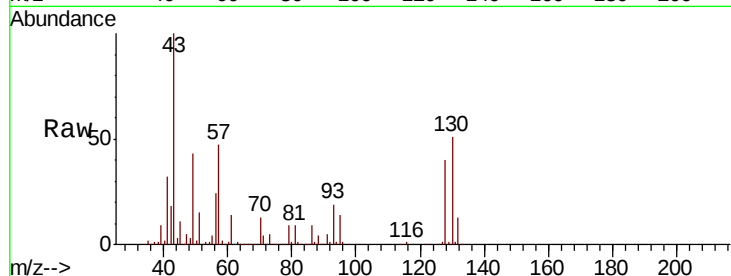




#25
Ethyl Acetate
Concen: 9.813 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

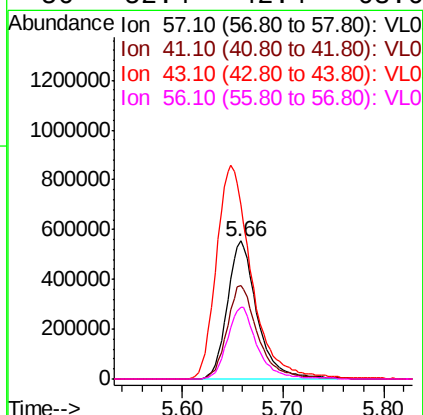
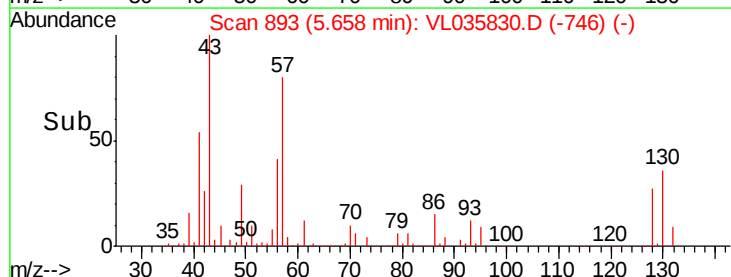
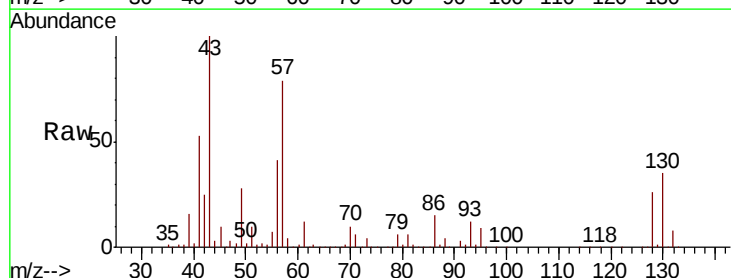
Instrument :
MSVOA_L
ClientSampleId :

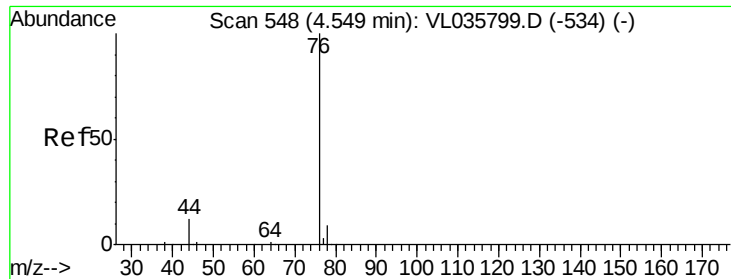
Tot Ion: 43 Resp: 2058303
Ion Ratio Lower Upper
43 100
45 10.6 8.5 12.7
61 13.9 10.7 16.1
70 11.1 8.6 12.8



#26
Hexane
Concen: 9.883 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 57 Resp: 1143197
Ion Ratio Lower Upper
57 100
41 70.8 58.9 88.3
43 181.6 150.2 225.2
56 52.4 42.4 63.6

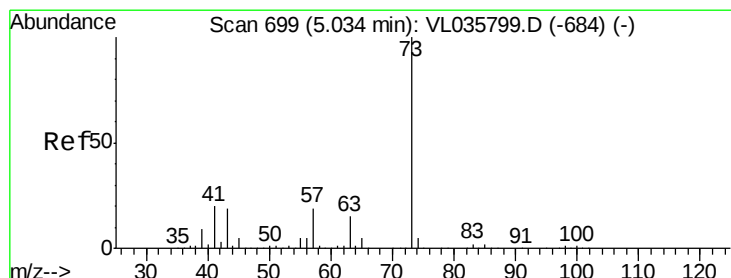
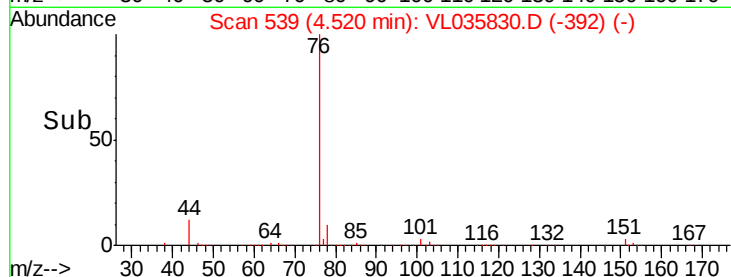
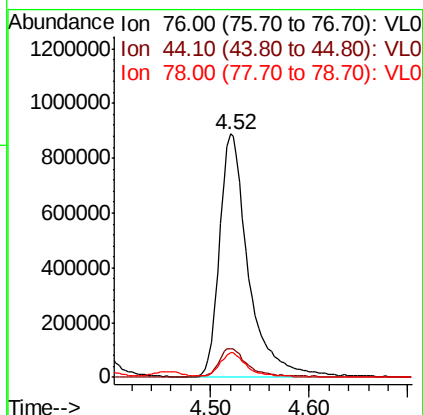
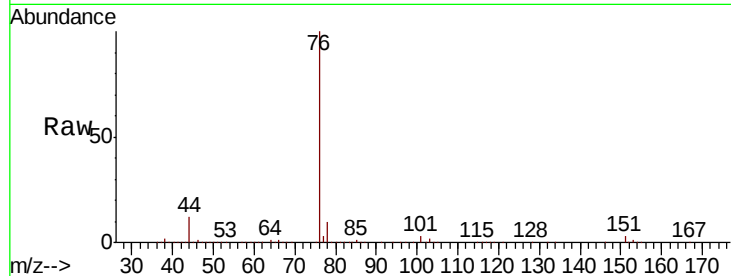




#27
Carbon Disulfide
Concen: 10.439 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

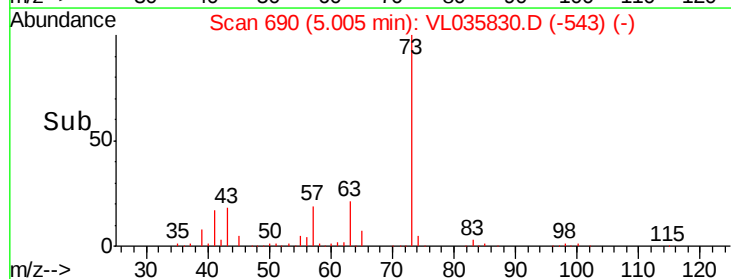
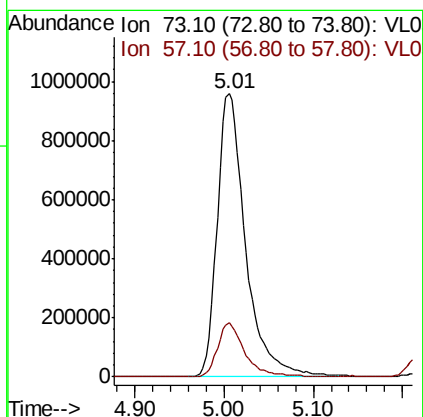
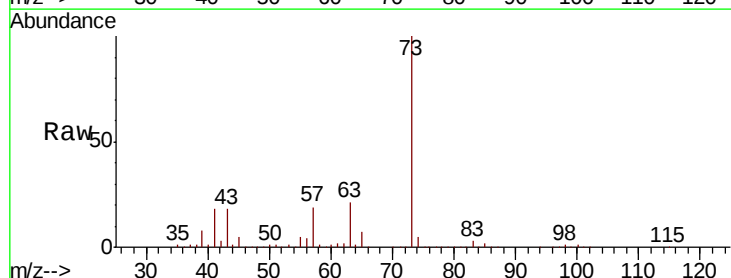
Instrument :
MSVOA_L
ClientSampled :

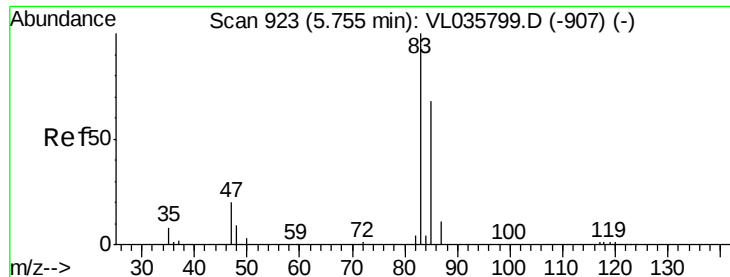
Tot Ion: 76 Resp: 1809261
Ion Ratio Lower Upper
76 100
44 11.8 9.9 14.9
78 10.2 8.1 12.1



#28
Methyl tert-Butyl Ether
Concen: 10.191 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 73 Resp: 2117024
Ion Ratio Lower Upper
73 100
57 18.4 15.4 23.2

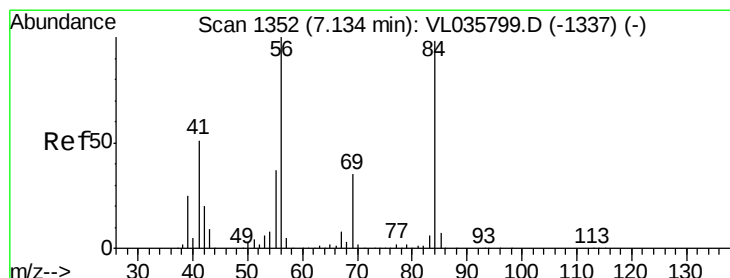
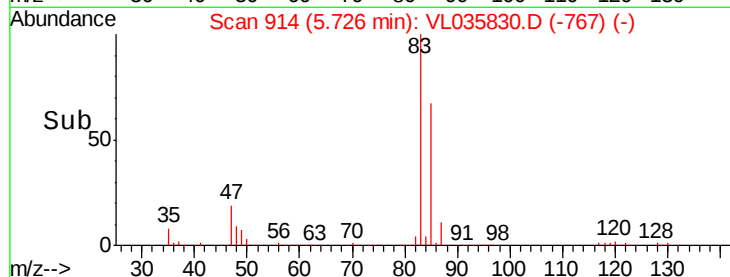
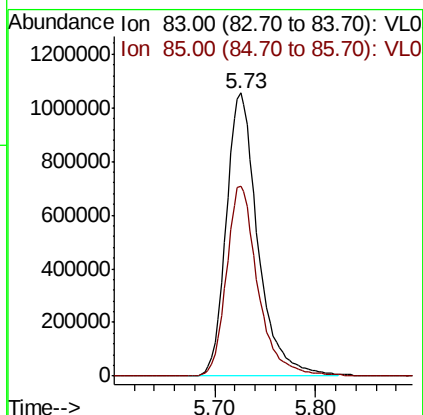
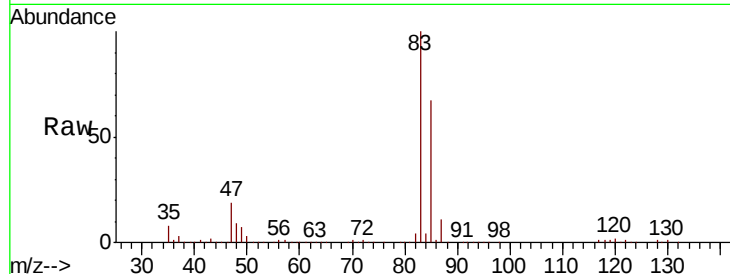




#29
Chloroform
Concen: 10.145 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

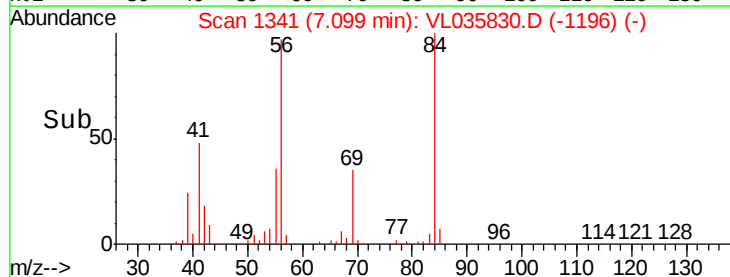
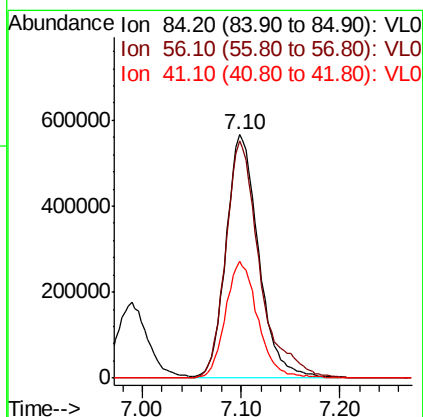
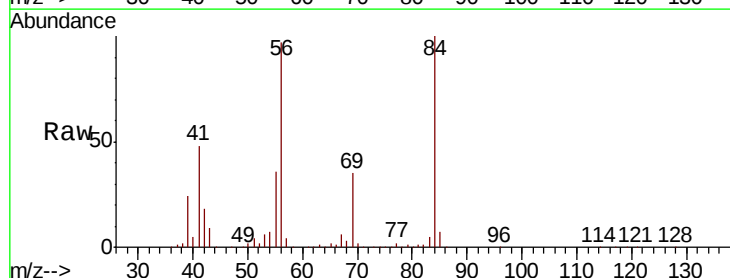
Instrument :
MSVOA_L
ClientSampleId :

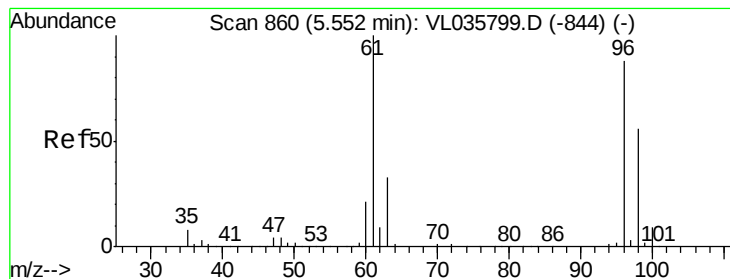
Tot Ion: 83 Resp: 2306568
Ion Ratio Lower Upper
83 100
85 66.8 54.6 81.8



#30
Cyclohexane
Concen: 10.277 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 84 Resp: 1294710
Ion Ratio Lower Upper
84 100
56 102.7 86.4 129.6
41 48.5 42.1 63.1



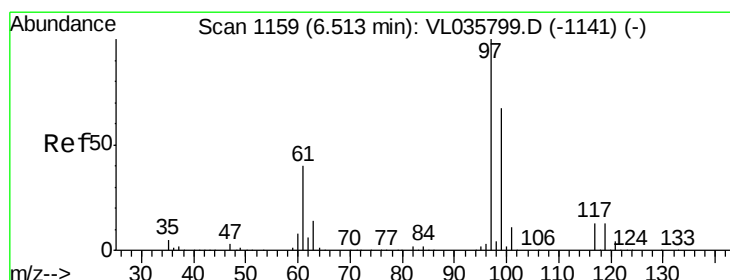
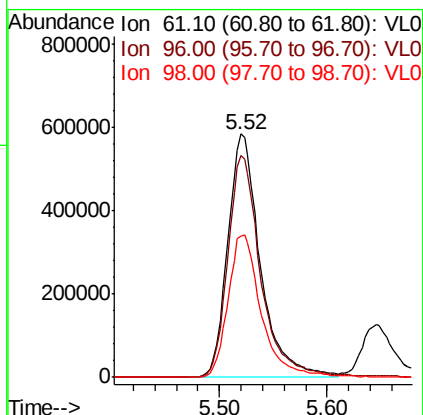
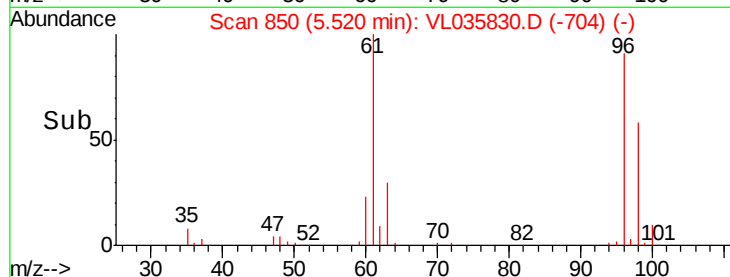
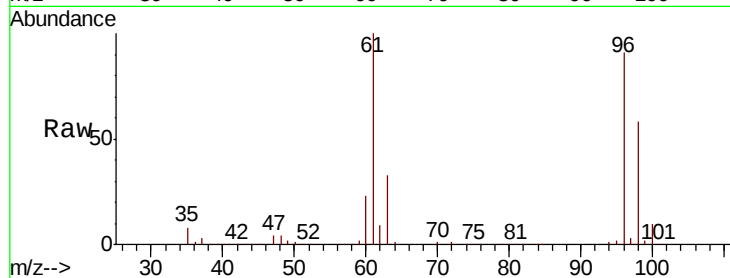


#31

cis-1,2-Dichloroethene
Concen: 10.333 ppbv
RT: 5.52 min Scan# 850
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :

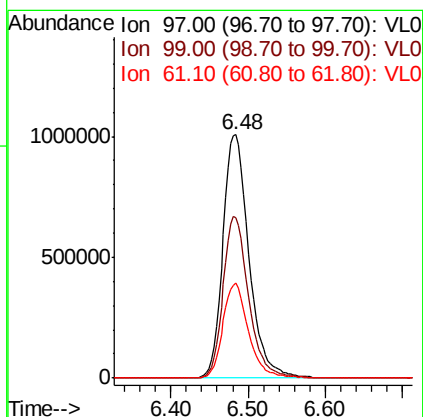
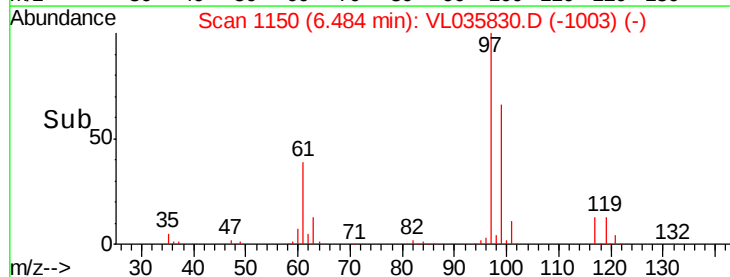
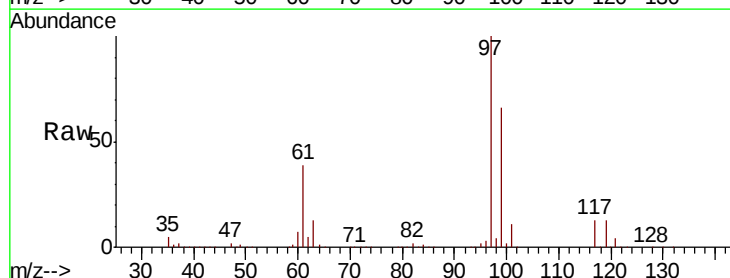
Tot Ion: 61 Resp: 1229650
Ion Ratio Lower Upper
61 100
96 91.1 70.3 105.5
98 58.3 45.0 67.6

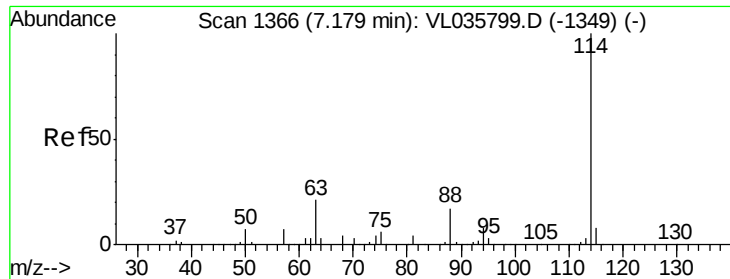


#32

1,1,1-Trichloroethane
Concen: 9.924 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 97 Resp: 2354543
Ion Ratio Lower Upper
97 100
99 65.3 52.3 78.5
61 38.4 32.0 48.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampled :

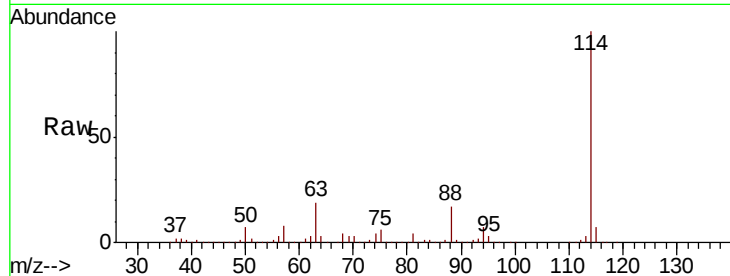
Tot Ion:114 Resp: 4489099

Ion Ratio Lower Upper

114 100

63 18.6 16.1 24.1

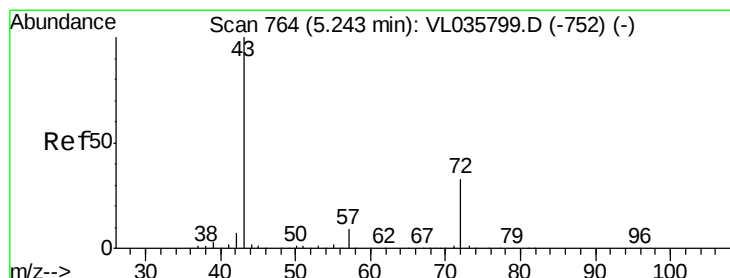
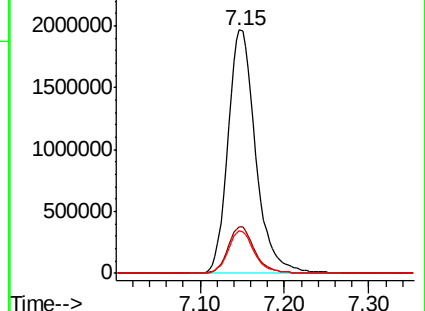
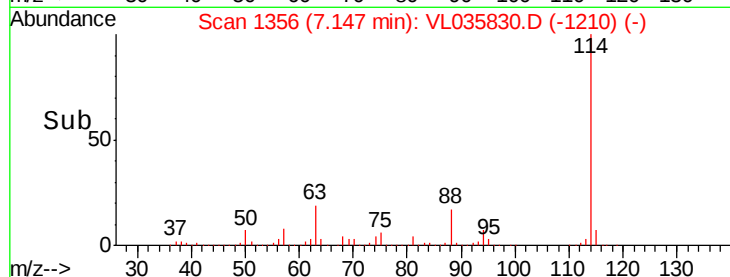
88 16.6 13.7 20.5



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: 9.044 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.03 min

Lab File: VL035830.D

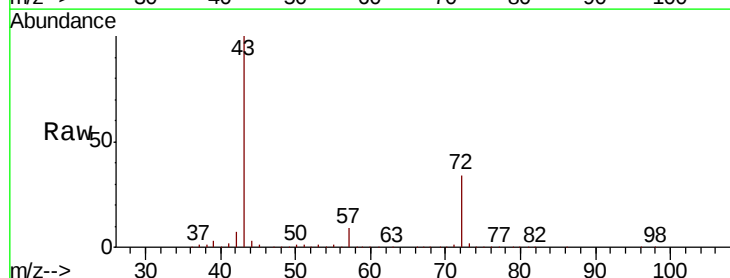
Acq: 4 Nov 2020 12:07

Tgt Ion: 43 Resp: 1317589

Ion Ratio Lower Upper

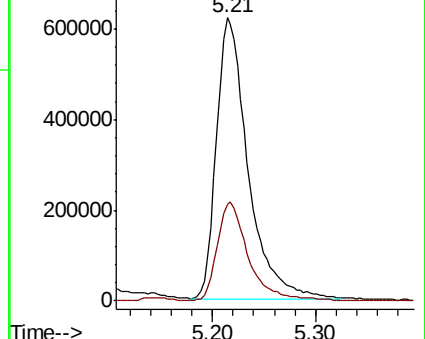
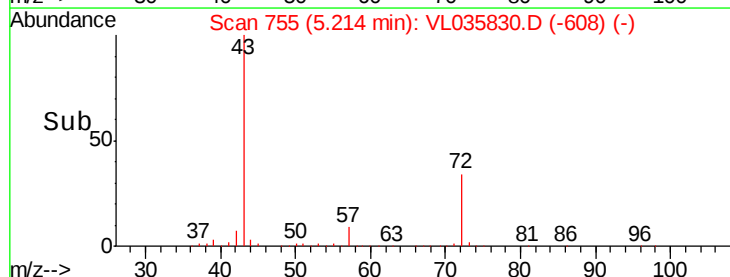
43 100

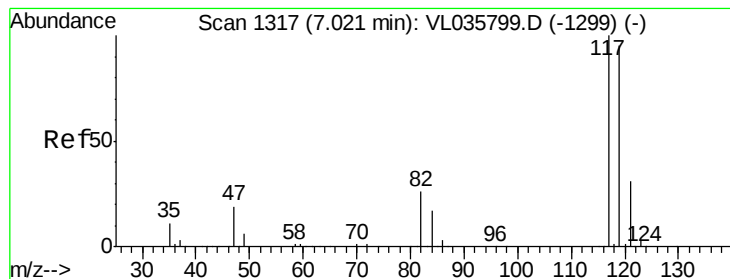
72 35.3 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.765 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampled :

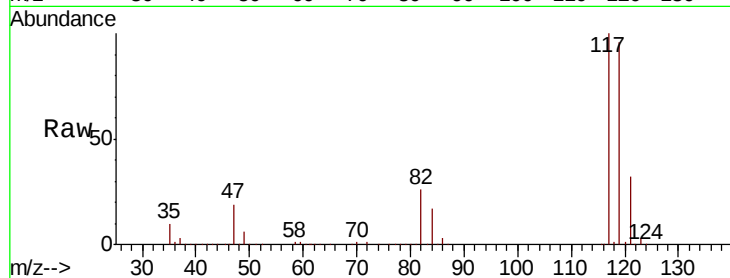
Tot Ion:117 Resp: 2342040

Ion Ratio Lower Upper

117 100

119 95.9 75.6 113.4

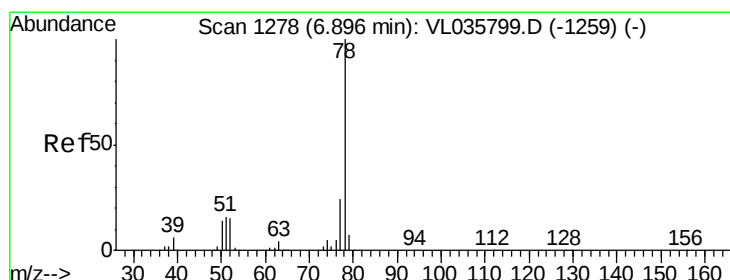
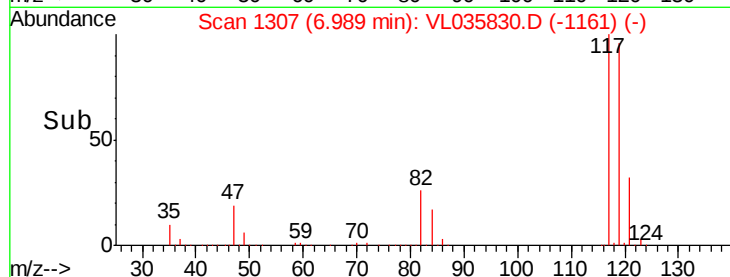
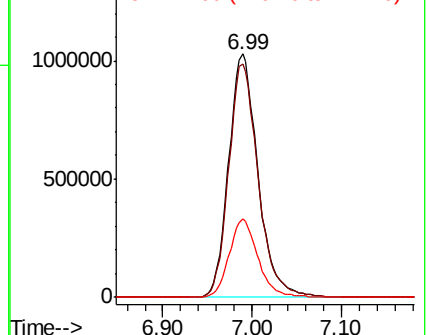
121 32.3 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.150 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

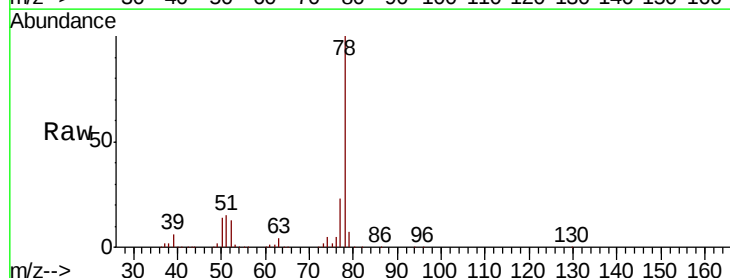
Tgt Ion: 78 Resp: 3053723

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9

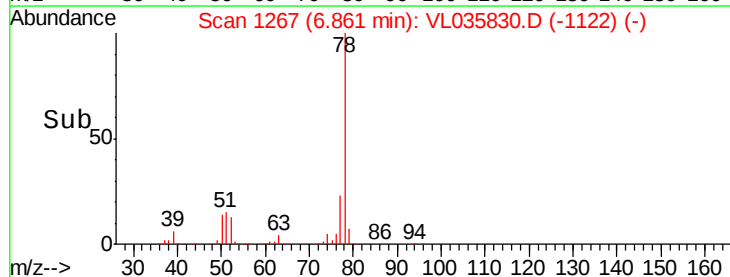
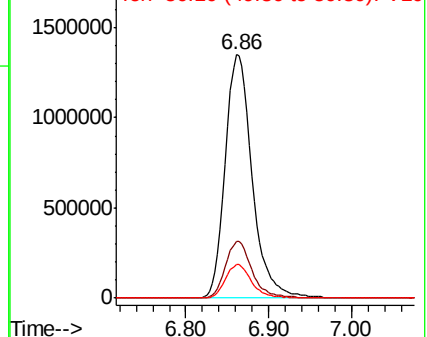
50 13.6 11.4 17.2

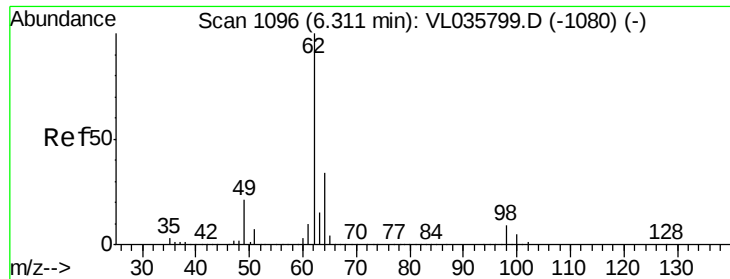


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

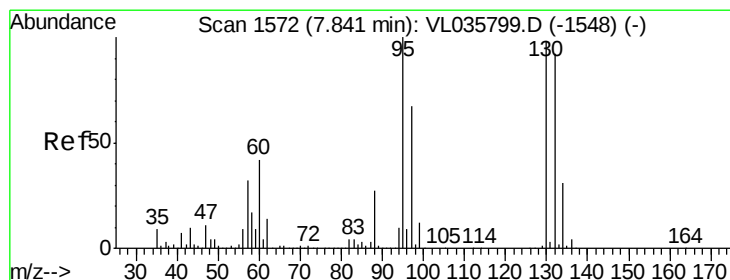
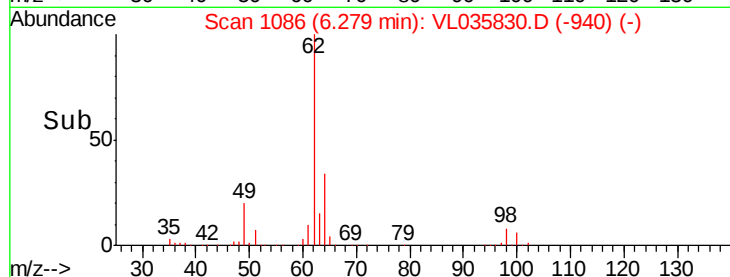
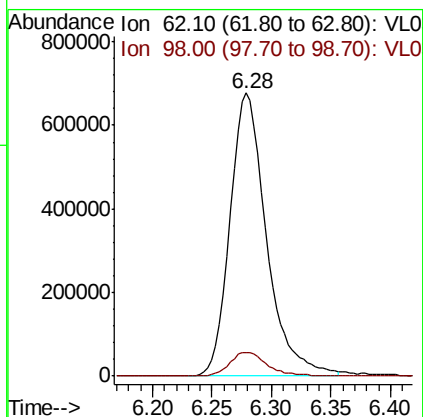
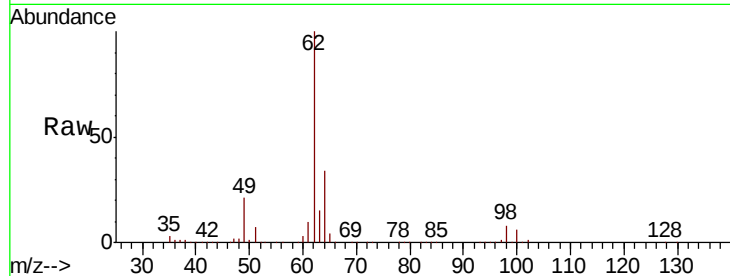




#37
 1,2-Dichloroethane
 Concen: 9.539 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

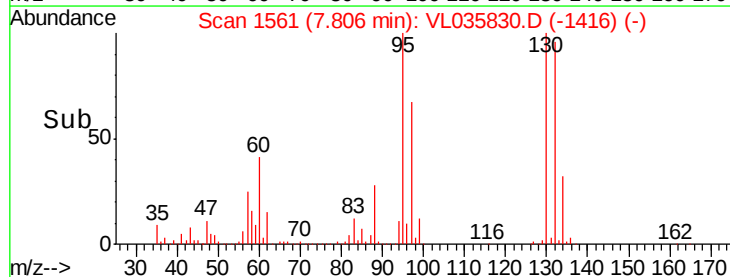
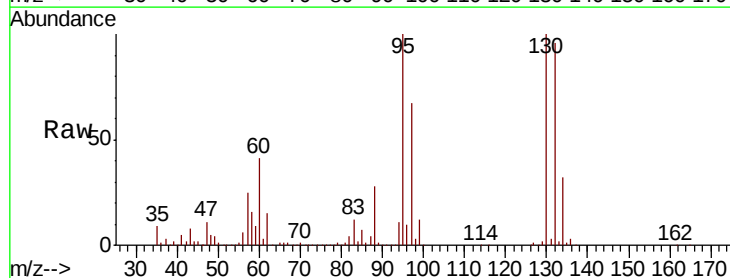
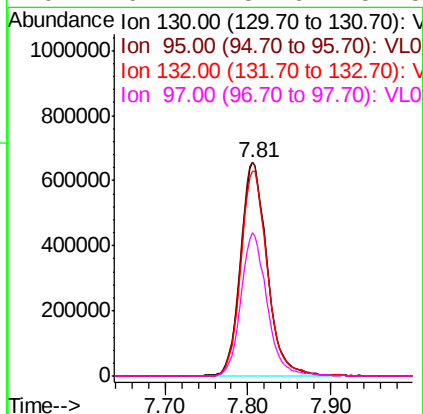
Instrument :
 MSVOA_L
 ClientSampleId :

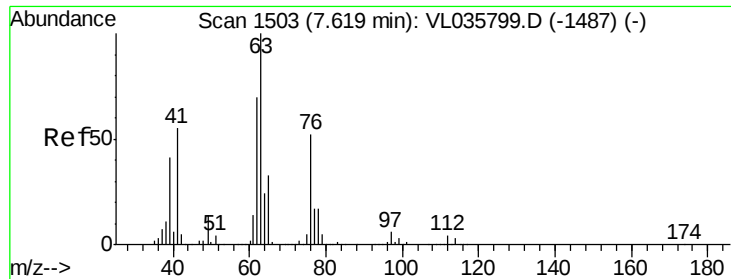
Tot Ion: 62 Resp: 1442166
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.9 10.3



#38
 Trichloroethene
 Concen: 8.967 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 130 Resp: 1461745
 Ion Ratio Lower Upper
 130 100
 95 100.0 81.6 122.4
 132 95.9 75.1 112.7
 97 67.4 54.6 81.8



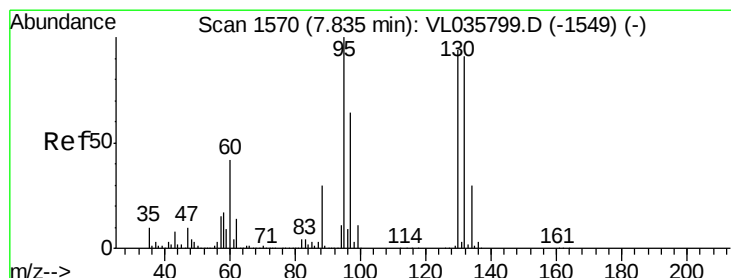
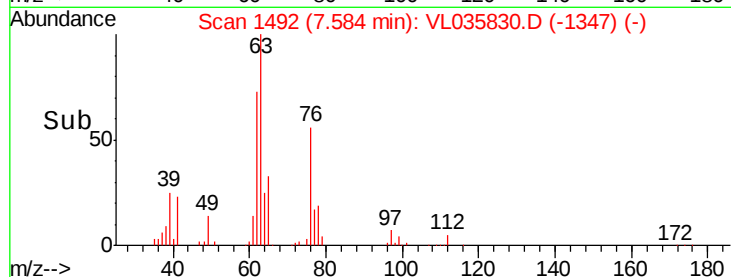
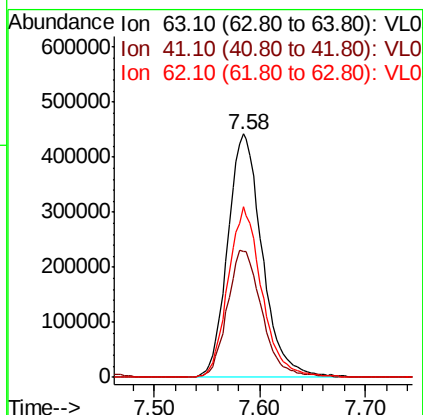
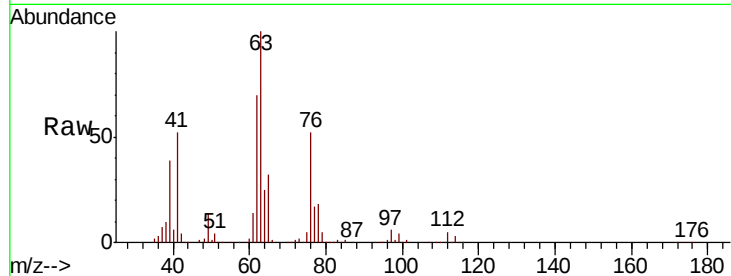


#39
 1,2-Dichloropropane
 Concen: 8.923 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 63 Resp: 1002531

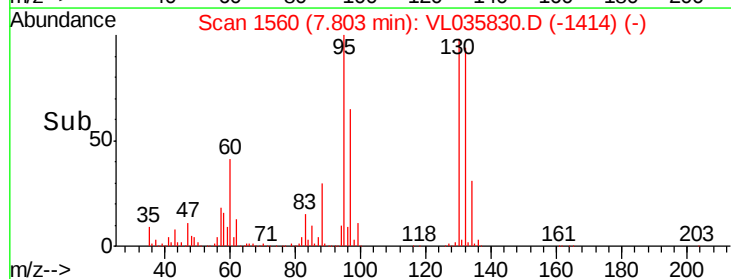
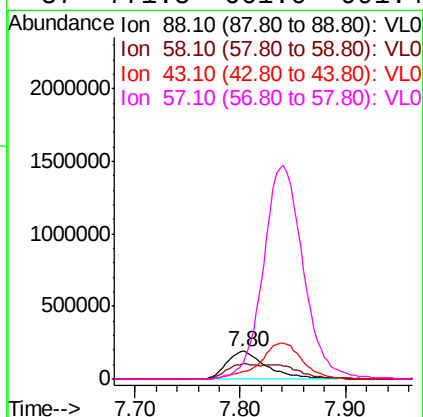
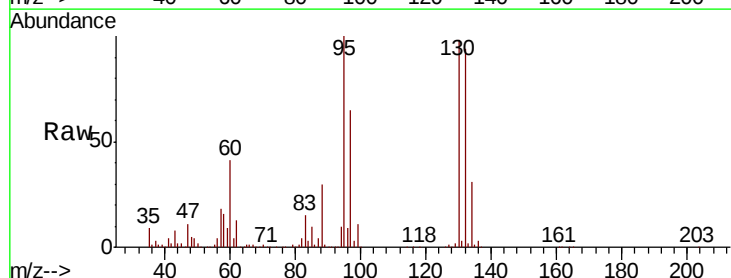
Ion	Ratio	Lower	Upper
63	100		
41	51.5	43.8	65.6
62	70.0	56.2	84.2

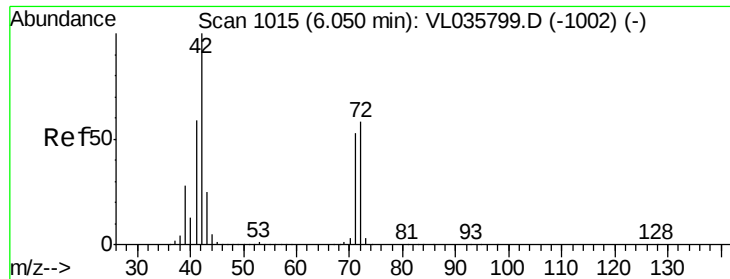


#40
 1,4-Dioxane
 Concen: 9.449 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 88 Resp: 503180

Ion	Ratio	Lower	Upper
88	100		
58	89.6	76.2	114.2
43	140.9	123.1	184.7
57	771.5	661.0	991.4

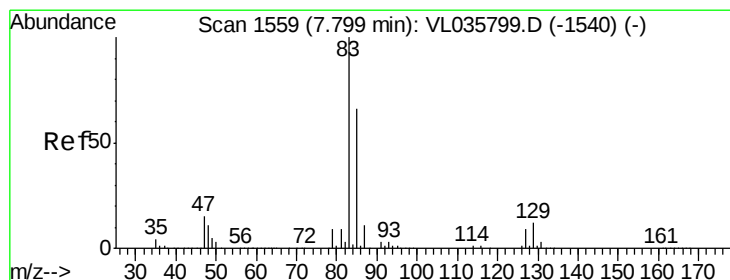
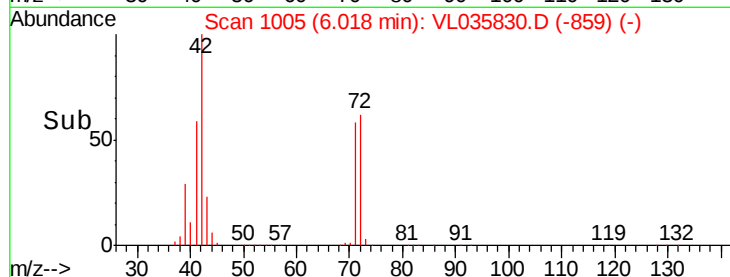
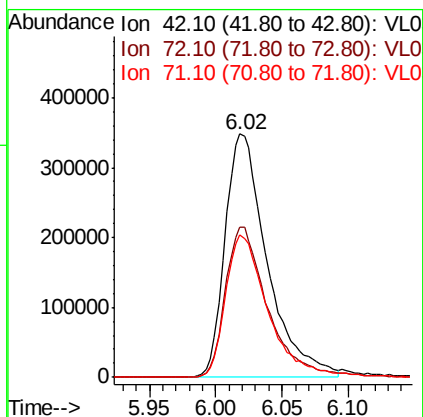
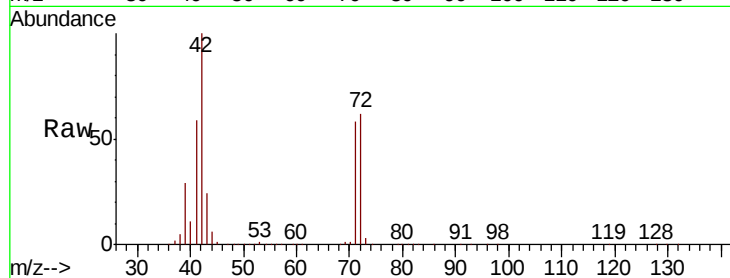




#41
Tetrahydrofuran
Concen: 9.307 ppbv
RT: 6.02 min Scan# 1005
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

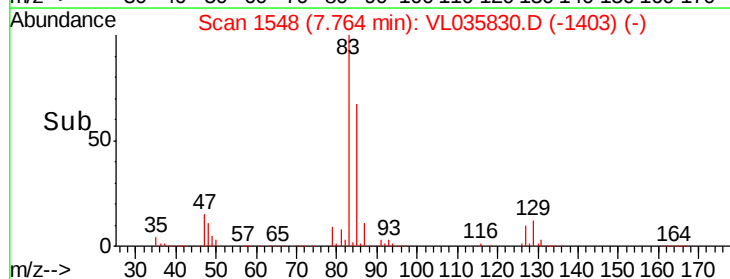
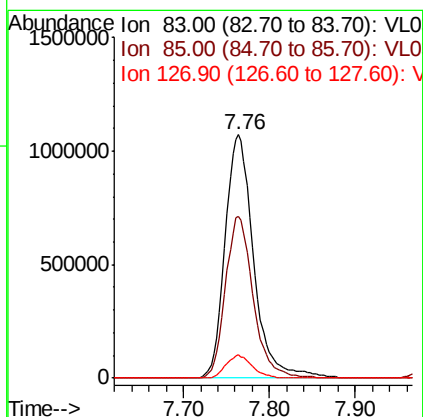
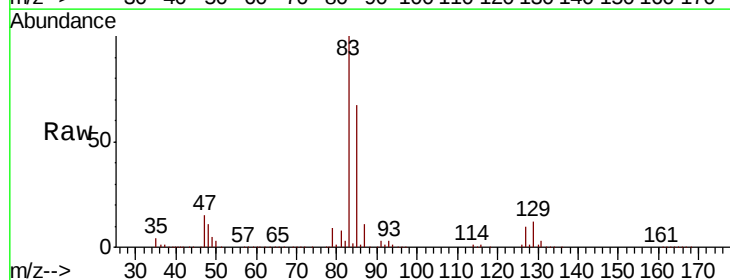
Instrument :
MSVOA_L
ClientSampleId :

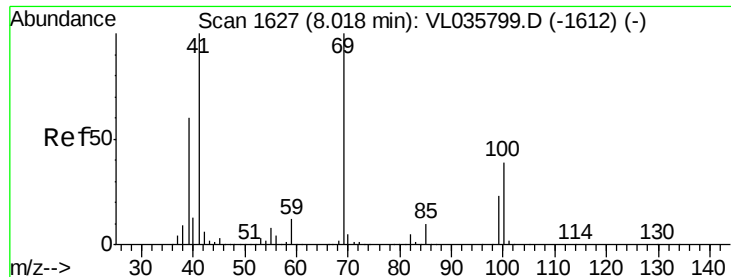
Tot Ion	Ratio	Lower	Upper
42	100		
72	62.5	45.4	68.0
71	59.6	43.4	65.2



#42
Bromodichloromethane
Concen: 9.704 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.1	79.7
127	9.5	7.3	10.9





#43

Methyl Methacrylate

Concen: 9.664 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

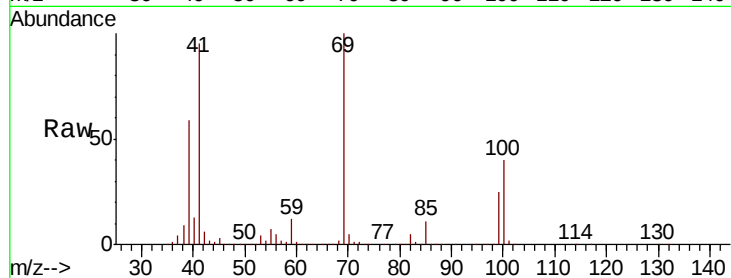
Tot Ion: 69 Resp: 1230214

Ion Ratio Lower Upper

69 100

41 96.5 81.1 121.7

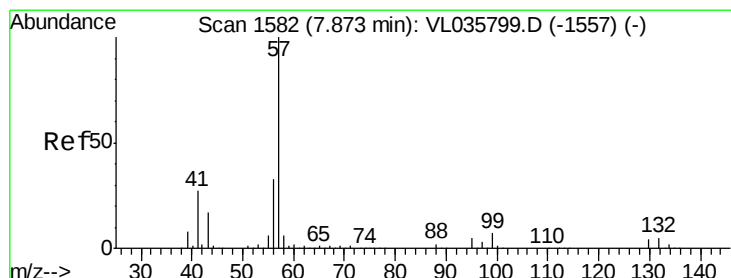
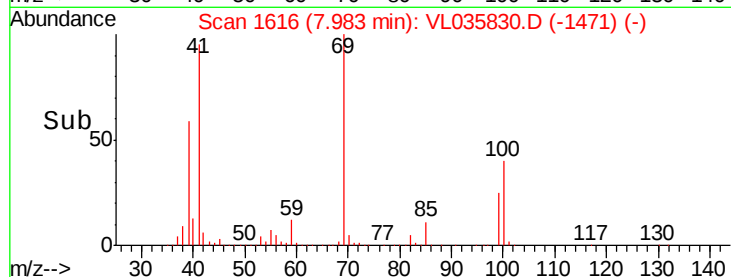
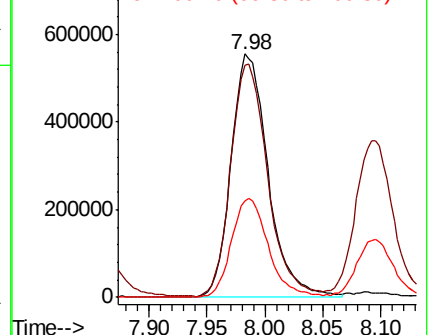
100 40.7 31.0 46.4



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: 8.775 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.03 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

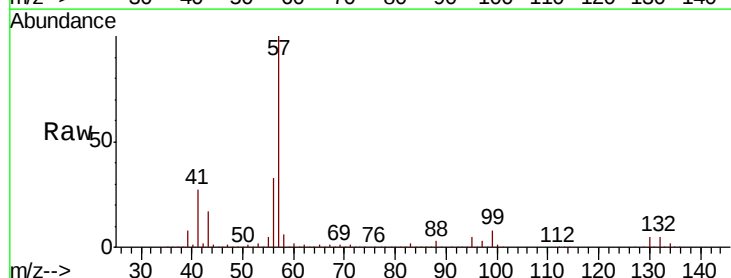
Tgt Ion: 57 Resp: 3875269

Ion Ratio Lower Upper

57 100

41 25.5 21.0 31.4

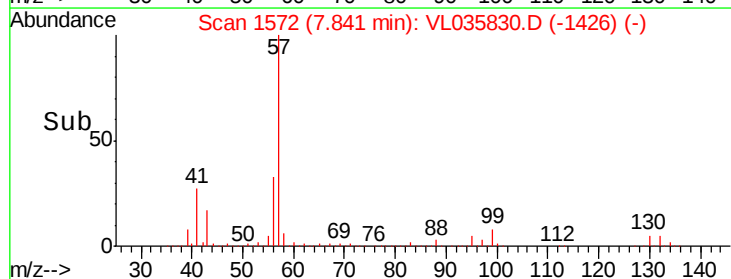
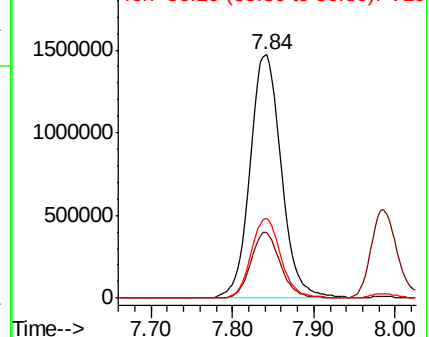
56 31.2 25.4 38.0

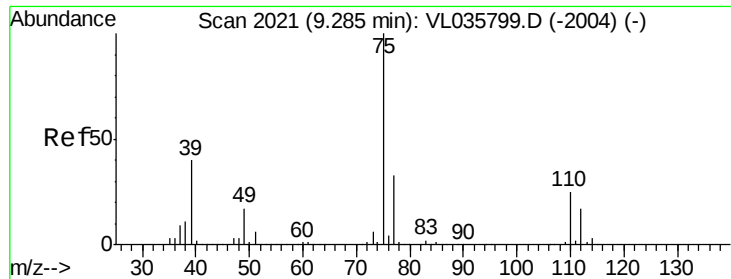


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

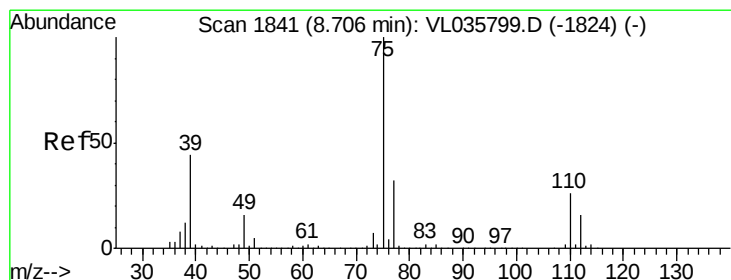
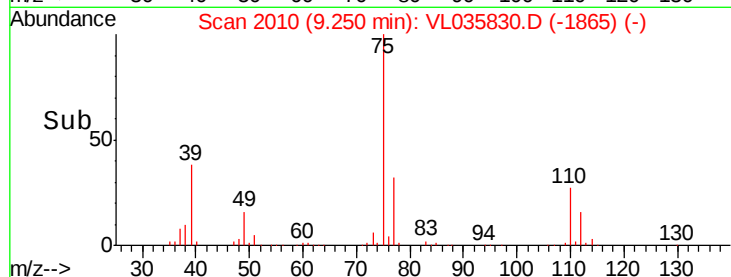
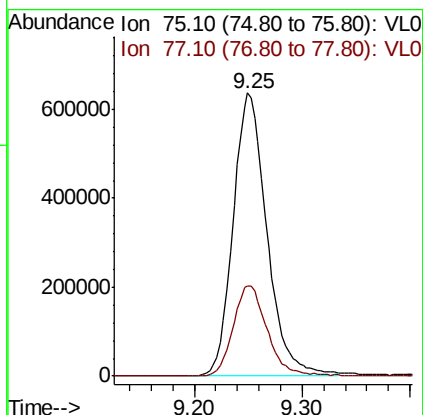
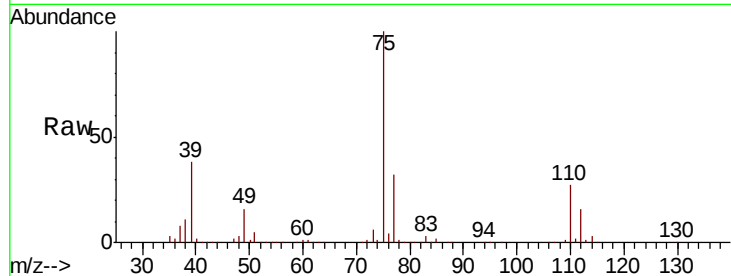




#45
t-1,3-Dichloropropene
Concen: 10.292 ppbv
RT: 9.25 min Scan# 2010
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

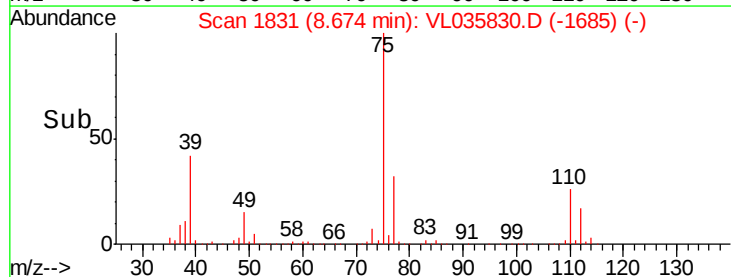
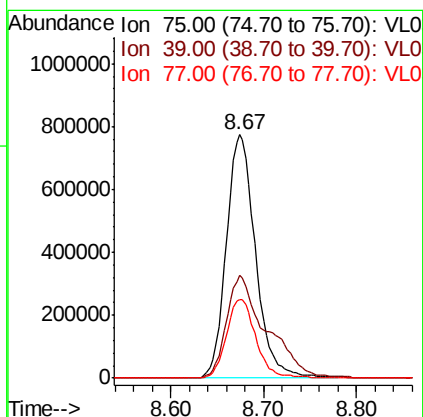
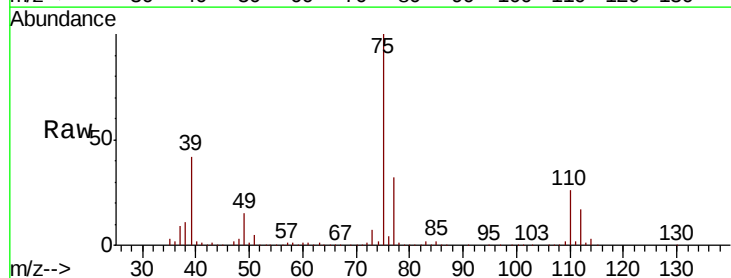
Instrument :
MSVOA_L
ClientSampleId :

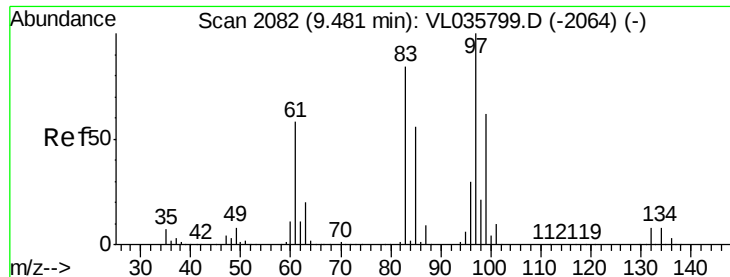
Tot Ion: 75 Resp: 1388813
Ion Ratio Lower Upper
75 100
77 31.7 26.4 39.6



#46
cis-1,3-Dichloropropene
Concen: 9.880 ppbv
RT: 8.67 min Scan# 1831
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 75 Resp: 1688492
Ion Ratio Lower Upper
75 100
39 42.3 35.1 52.7
77 32.3 25.7 38.5



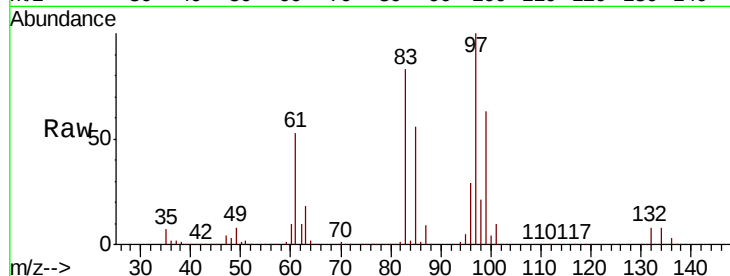


#47
 1,1,2-Trichloroethane
 Concen: 9.263 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1418176

Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.1	100.7
85	55.7	44.7	67.1
99	63.1	49.7	74.5



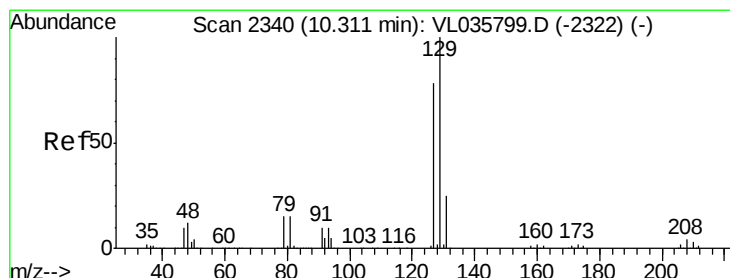
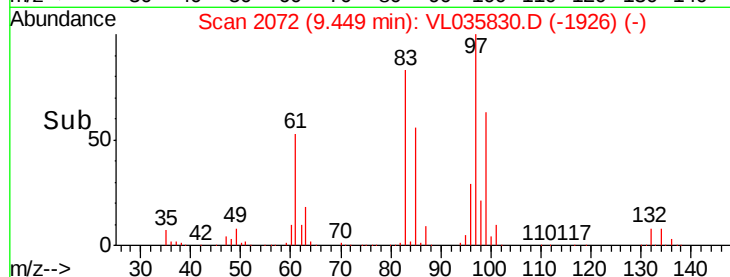
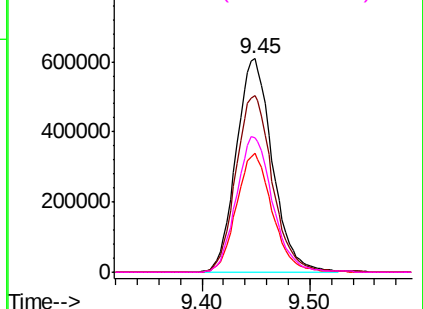
Abundance

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

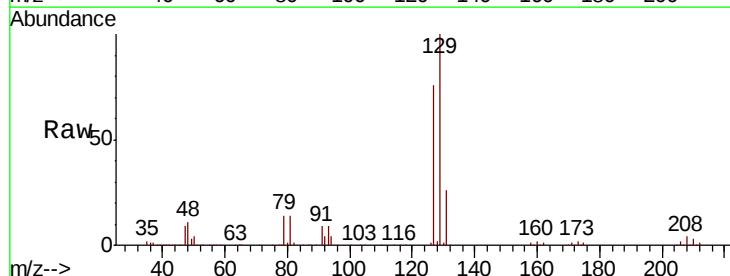
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.060 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 129 Resp: 2353017

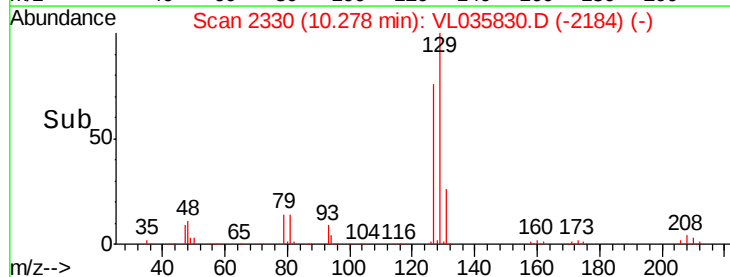
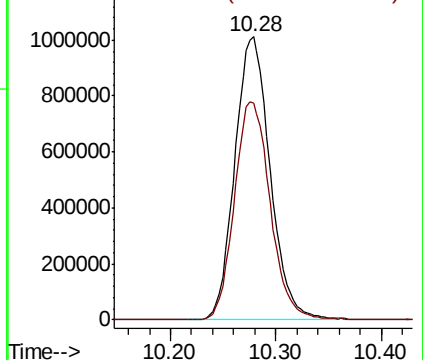
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6

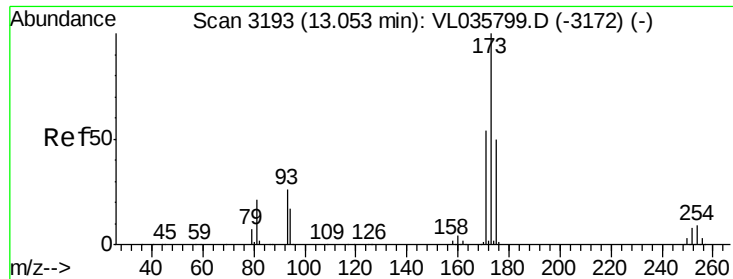


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.199 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampled :

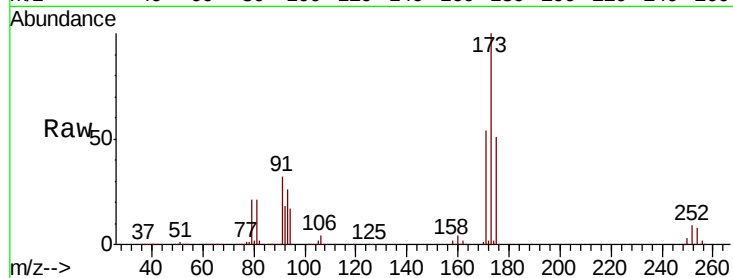
Tot Ion:173 Resp: 2012999

Ion Ratio Lower Upper

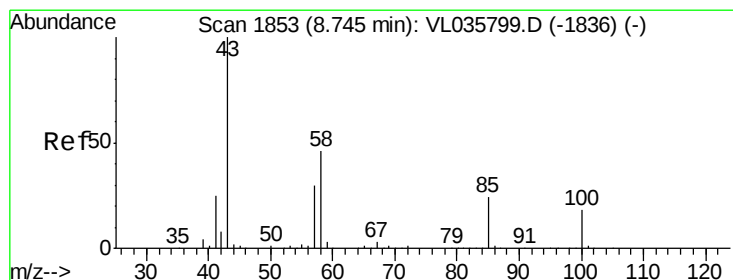
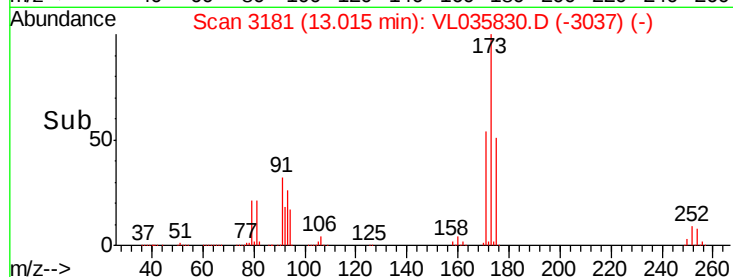
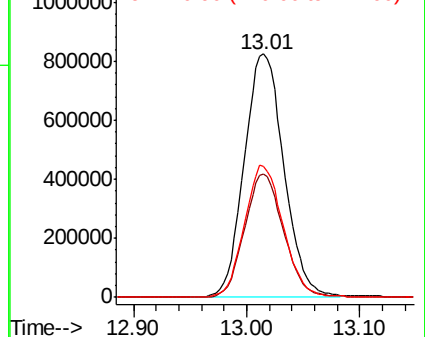
173 100

175 50.2 40.1 60.1

171 53.4 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: 9.057 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.03 min

Lab File: VL035830.D

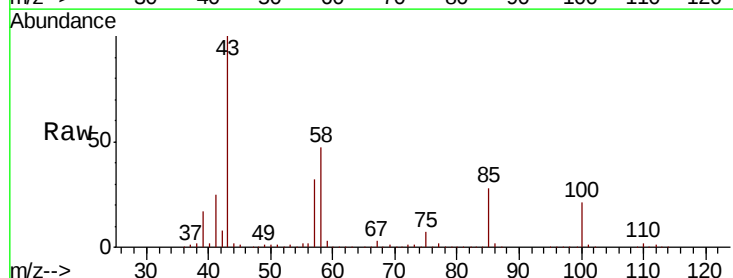
Acq: 4 Nov 2020 12:07

Tgt Ion: 43 Resp: 2017714

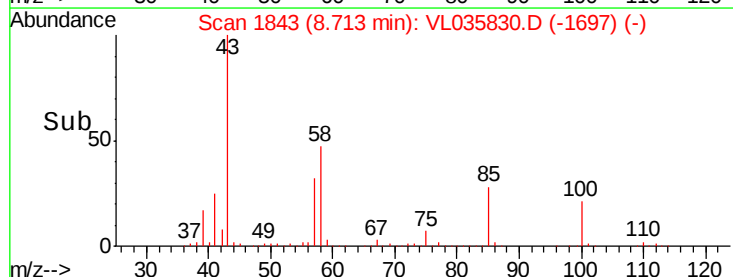
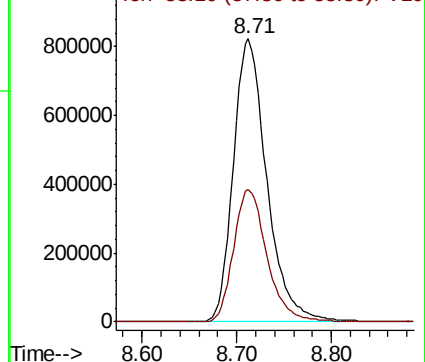
Ion Ratio Lower Upper

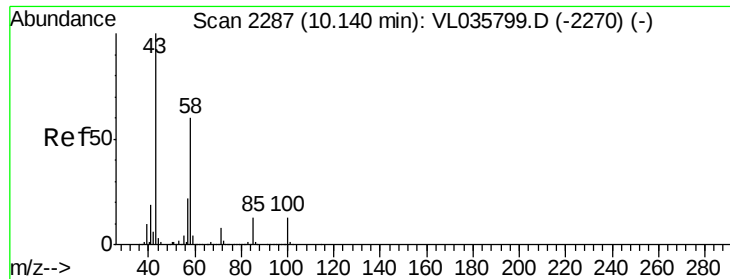
43 100

58 47.0 36.0 54.0



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

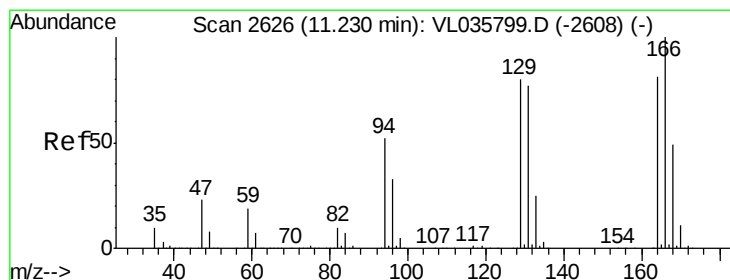
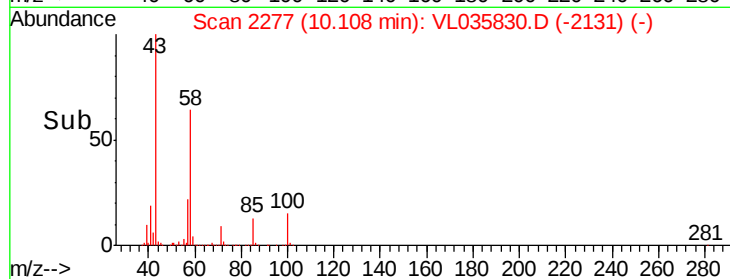
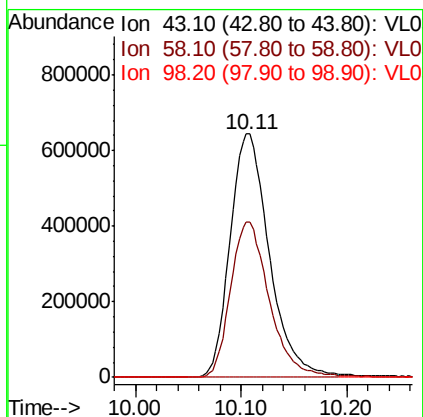
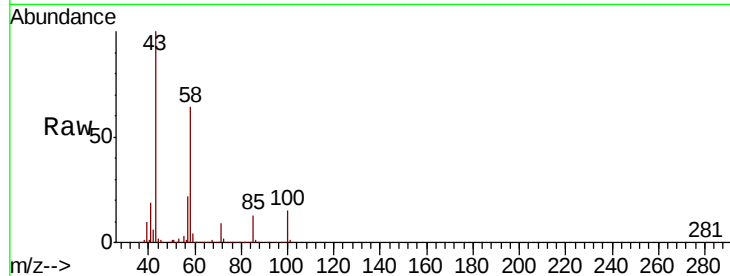




#51
2-Hexanone
Concen: 9.262 ppbv
RT: 10.11 min Scan# 2277
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

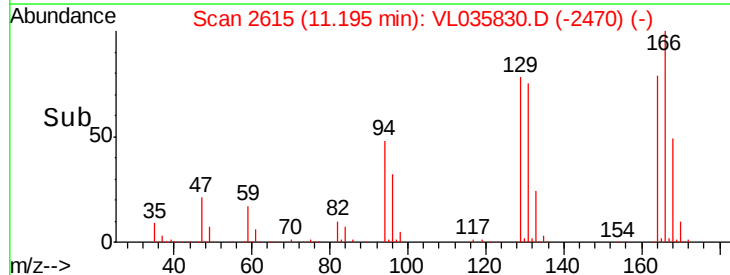
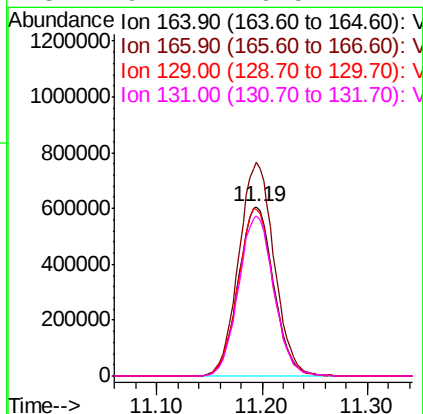
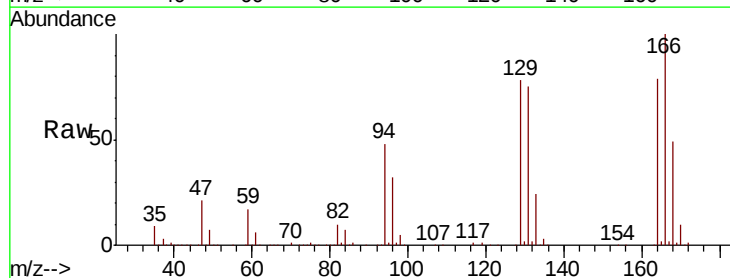
Instrument :
MSVOA_L
ClientSampleId :

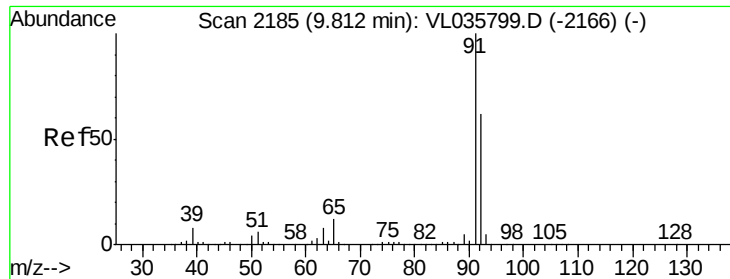
Tot Ion: 43 Resp: 1657560
Ion Ratio Lower Upper
43 100
58 63.8 48.3 72.5
98 0.3 0.6 0.8#



#52
Tetrachloroethene
Concen: 8.940 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 164 Resp: 1413563
Ion Ratio Lower Upper
164 100
166 126.3 99.3 148.9
129 98.6 79.3 118.9
131 94.7 76.5 114.7





#53

Toluene

Concen: 9.341 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

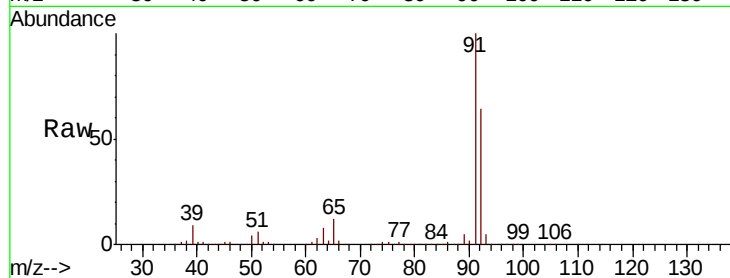
ClientSampleId :

Tot Ion: 91 Resp: 3761609

Ion Ratio Lower Upper

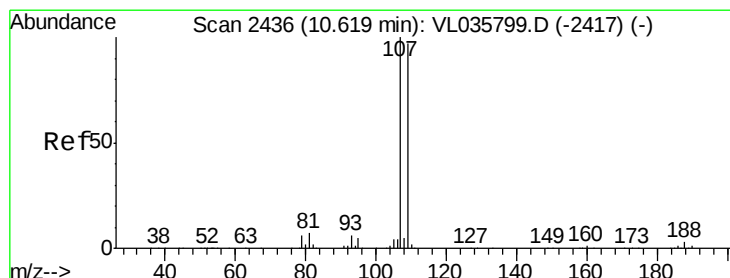
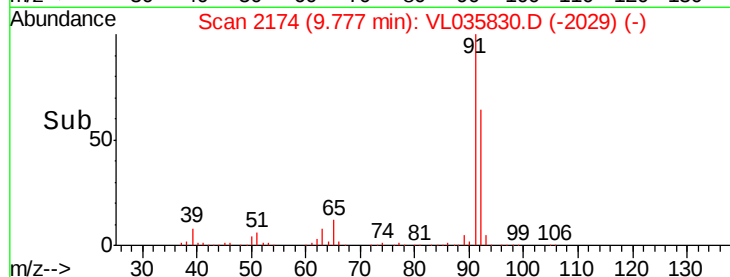
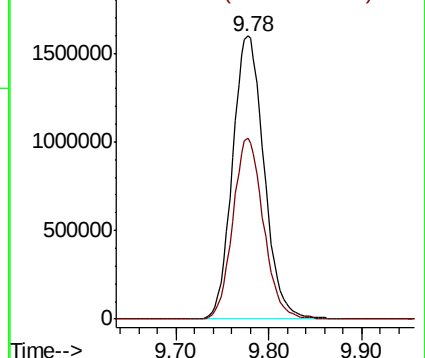
91 100

92 62.2 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: 9.498 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.04 min

Lab File: VL035830.D

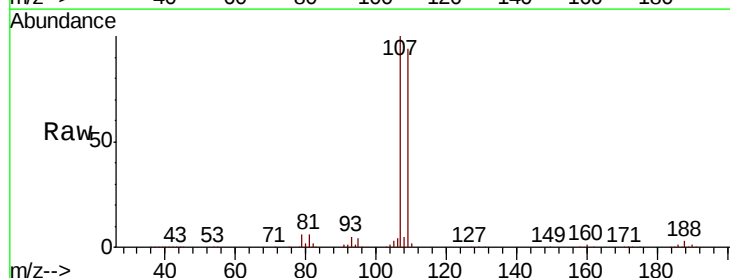
Acq: 4 Nov 2020 12:07

Tgt Ion:107 Resp: 2211529

Ion Ratio Lower Upper

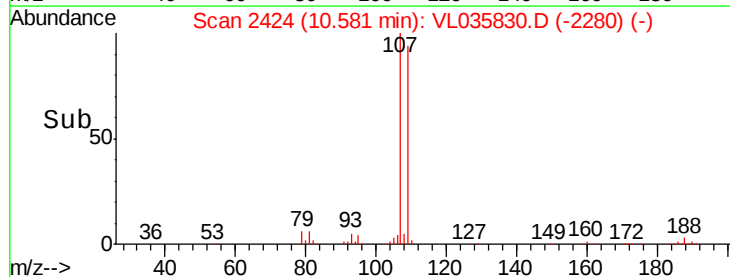
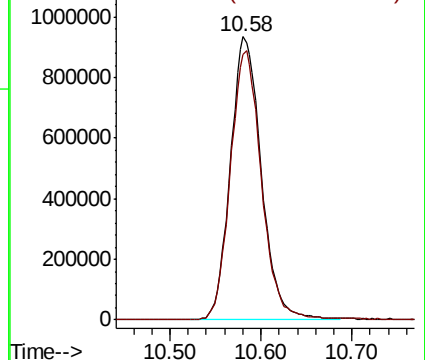
107 100

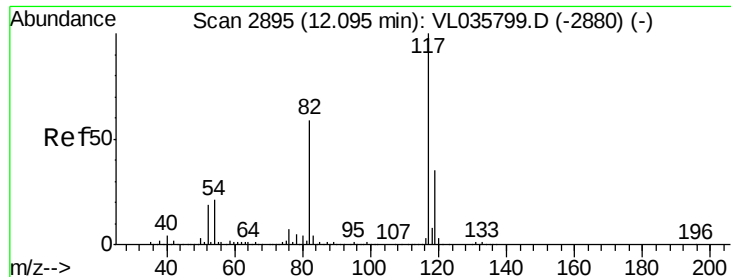
109 94.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

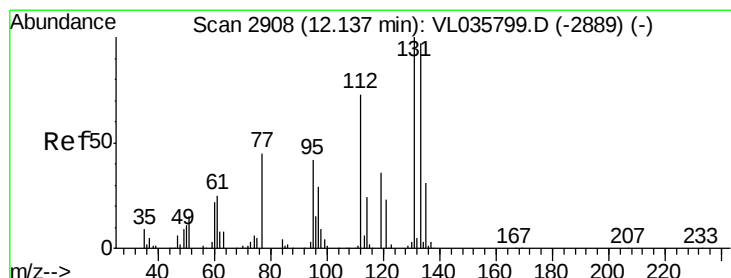
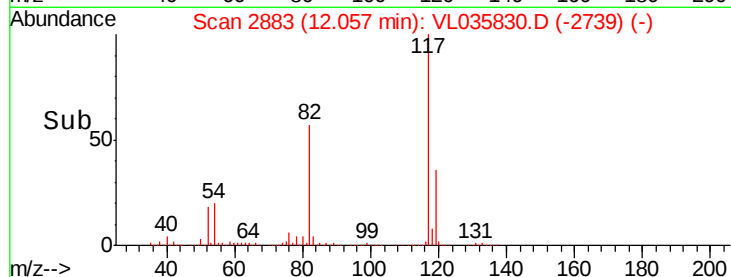
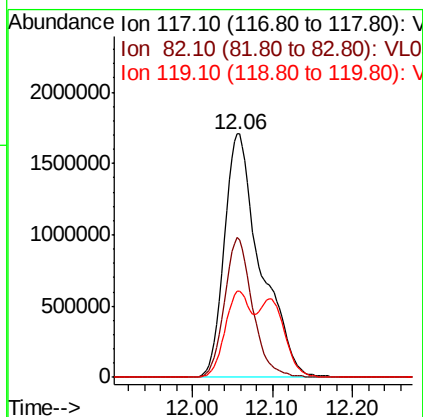
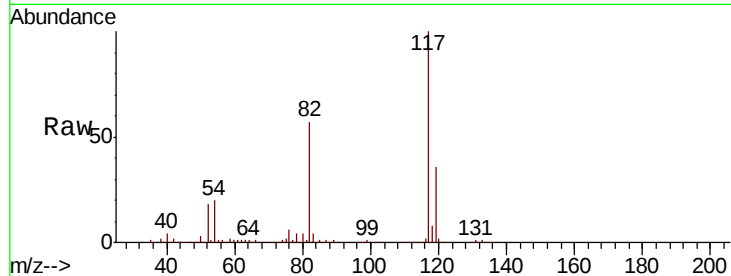




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

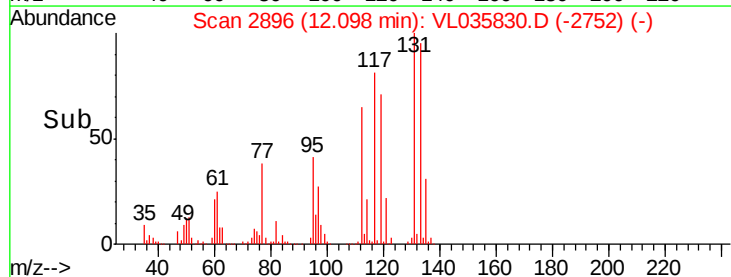
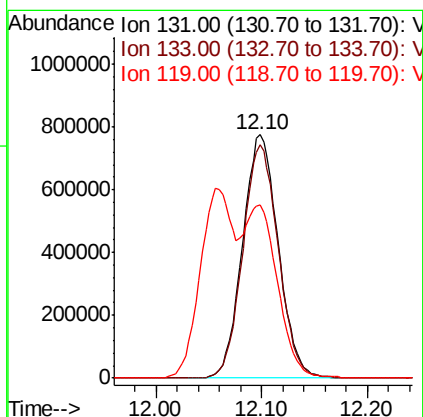
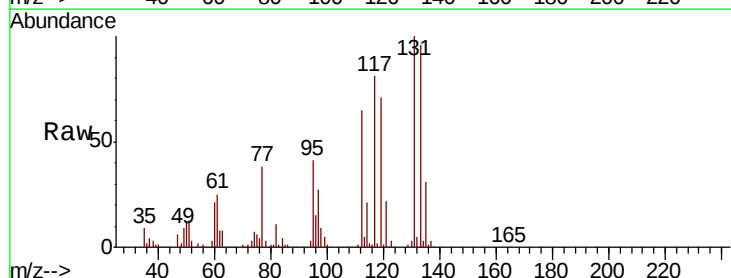
Instrument :
MSVOA_L
ClientSampleId :

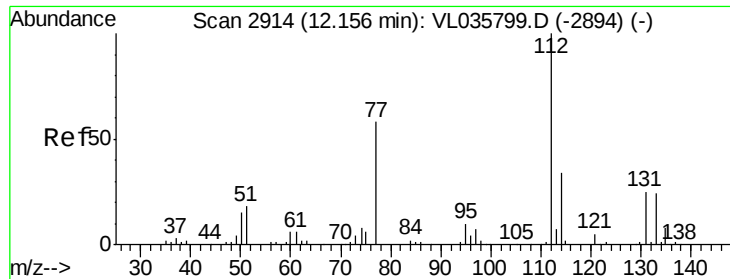
Tot Ion:117 Resp: 5317305
Ion Ratio Lower Upper
117 100
82 44.6 50.6 76.0#
119 27.8 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.627 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion:131 Resp: 1820294
Ion Ratio Lower Upper
131 100
133 96.0 76.8 115.2
119 61.5 47.4 71.0

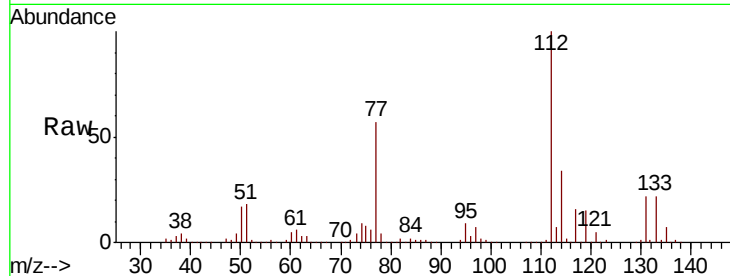




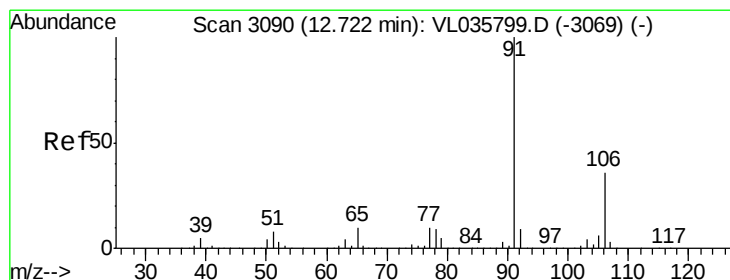
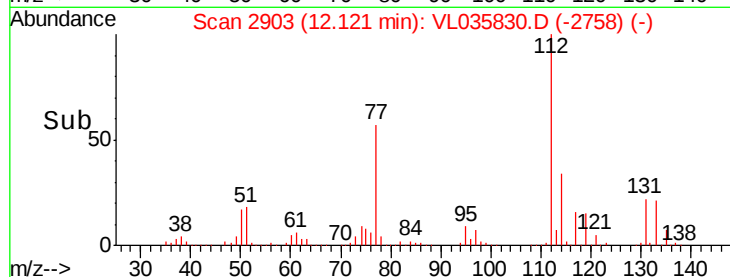
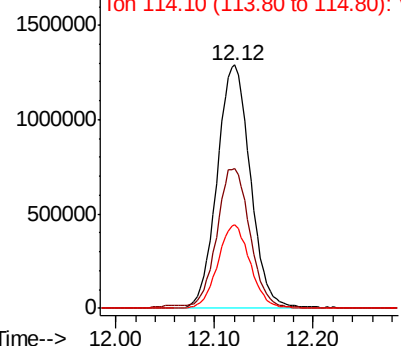
#57
Chlorobenzene
Concen: 7.155 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 3024847
Ion Ratio Lower Upper
112 100
77 57.2 47.5 71.3
114 34.4 30.3 37.1

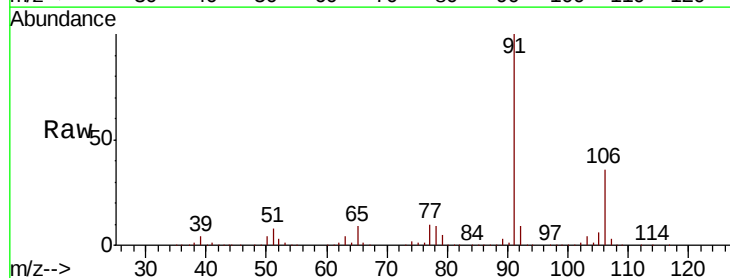


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

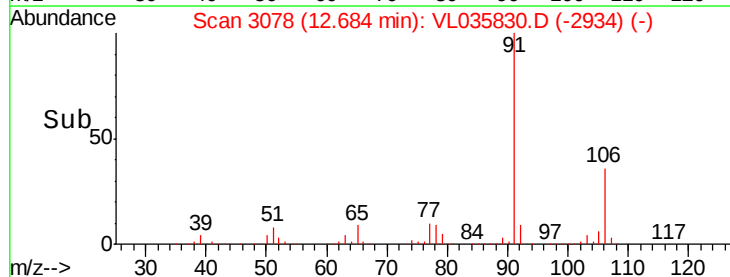
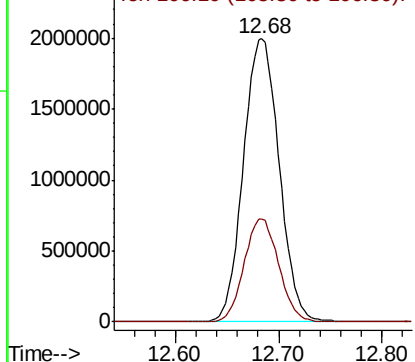


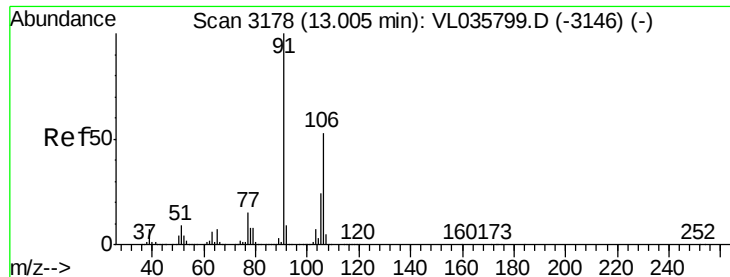
#58
Ethyl Benzene
Concen: 7.415 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 4802276
Ion Ratio Lower Upper
91 100
106 36.3 28.6 43.0



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

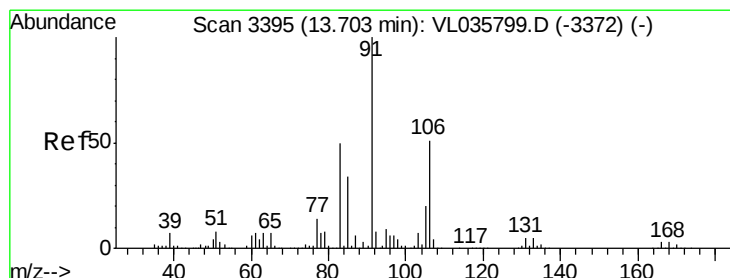
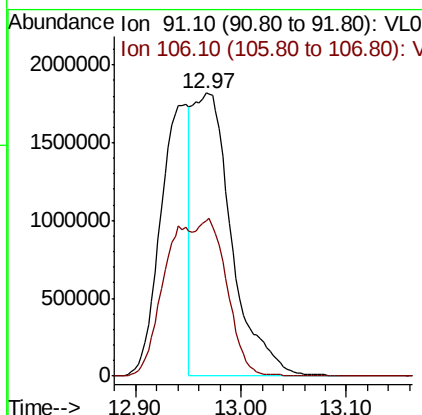
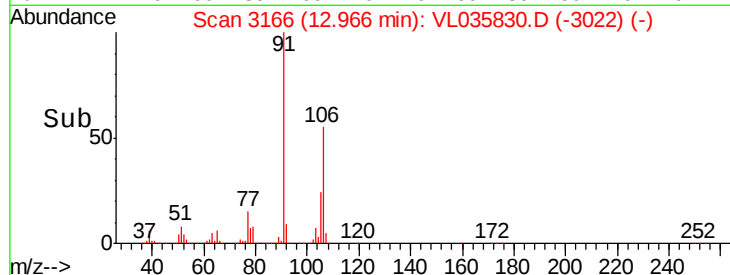
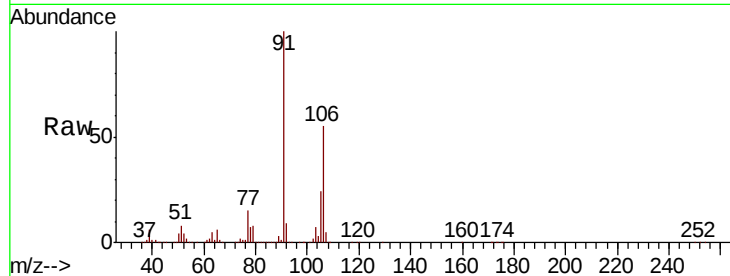




#59
m/p-Xylene
Concen: 8.477 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

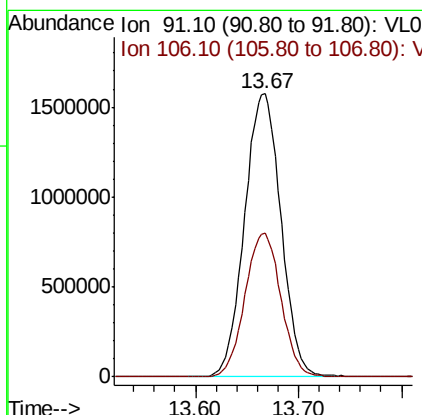
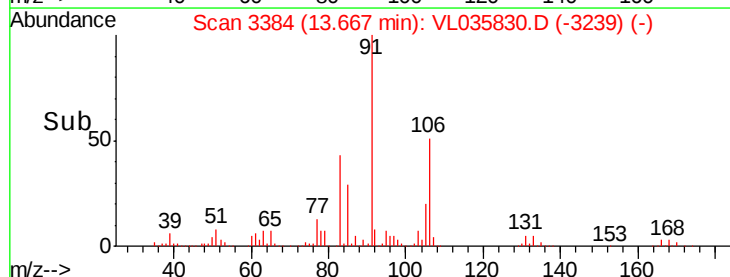
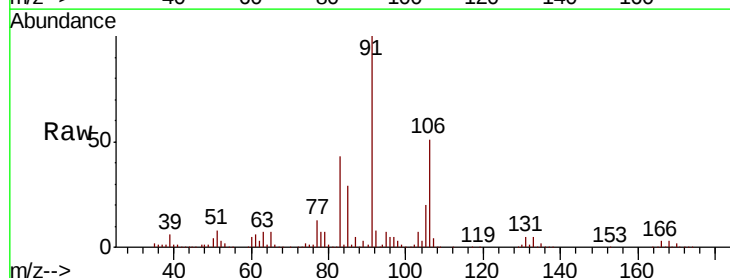
Instrument :
MSVOA_L
ClientSampled :

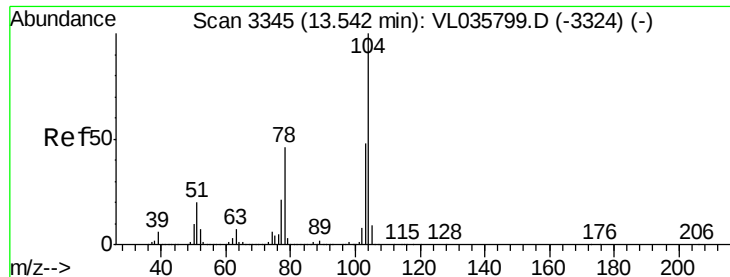
Tot Ion: 91 Resp: 4644824
Ion Ratio Lower Upper
91 100
106 86.4 39.5 59.3#



#60
o-Xylene
Concen: 7.220 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 3848232
Ion Ratio Lower Upper
91 100
106 50.2 24.8 74.4





#61

Stvrene

Concen: 7.892 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

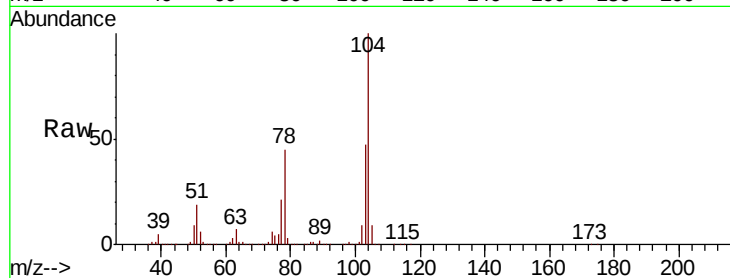
Tot Ion:104 Resp: 3082156

Ion Ratio Lower Upper

104 100

78 44.3 37.1 55.7

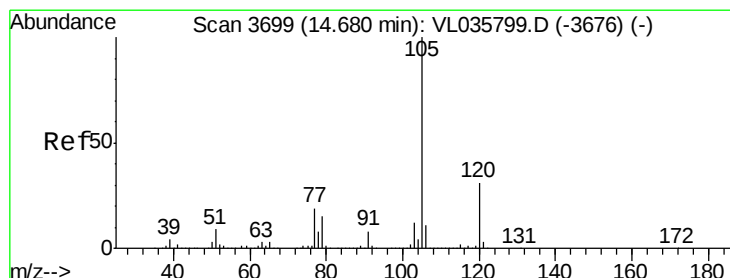
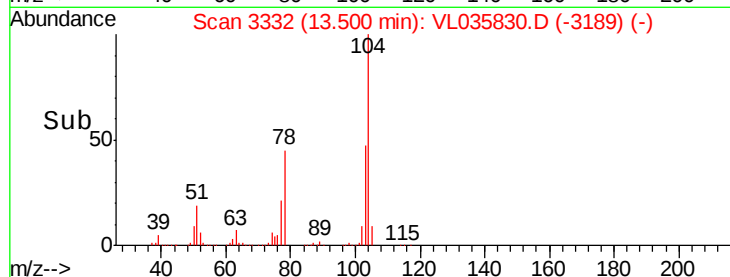
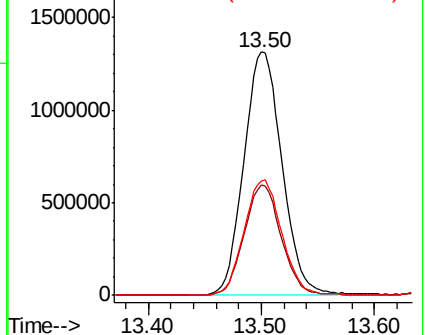
103 47.1 37.9 56.9



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: 7.094 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.04 min

Lab File: VL035830.D

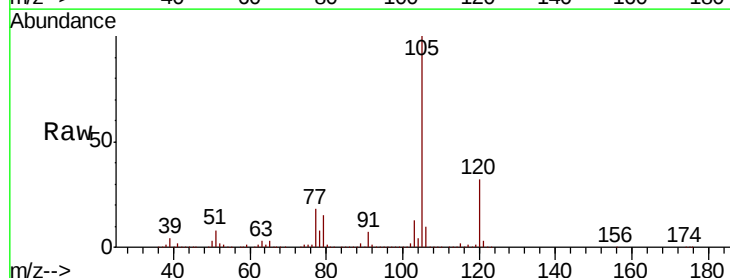
Acq: 4 Nov 2020 12:07

Tgt Ion:105 Resp: 5942721

Ion Ratio Lower Upper

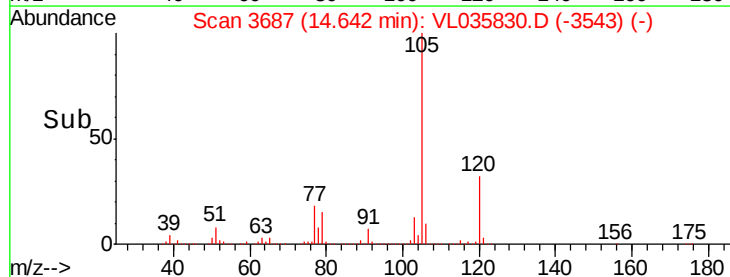
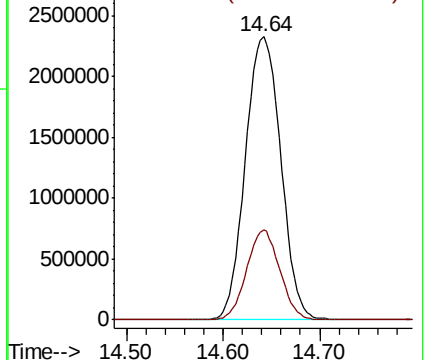
105 100

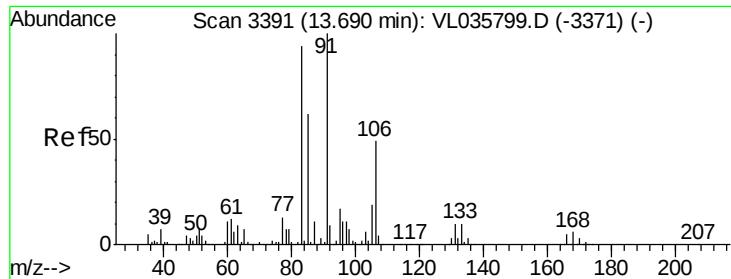
120 29.7 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

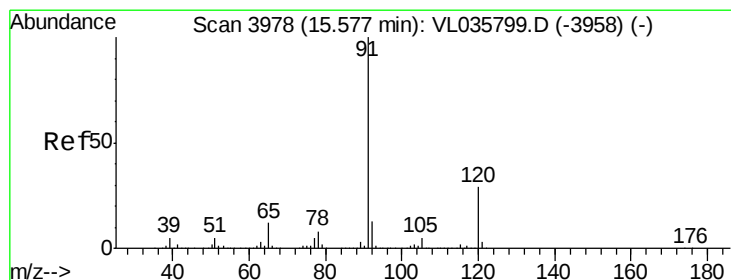
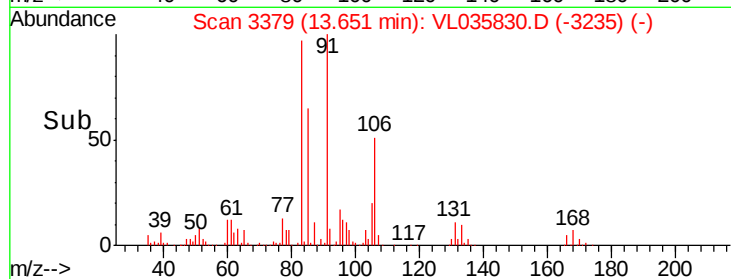
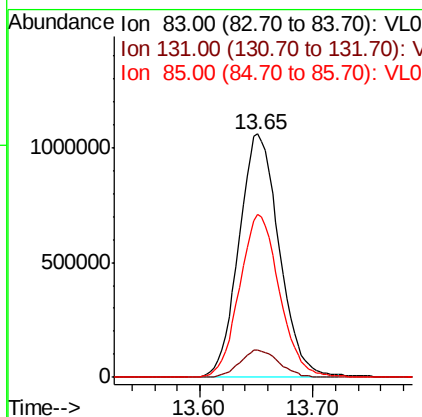
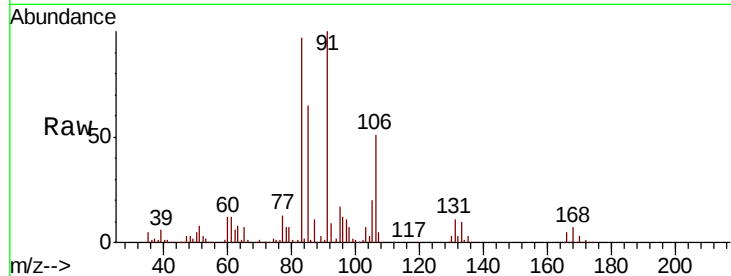




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.364 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

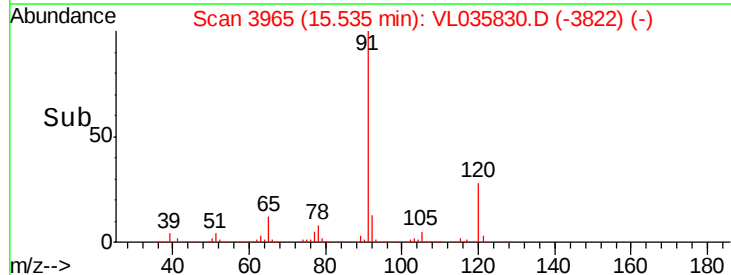
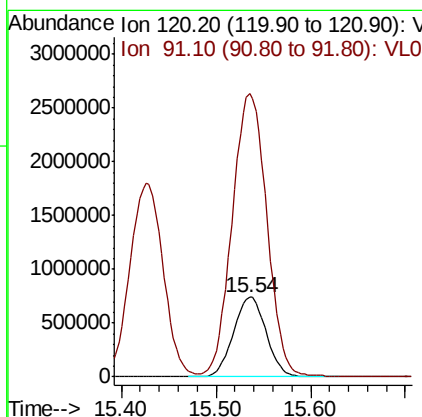
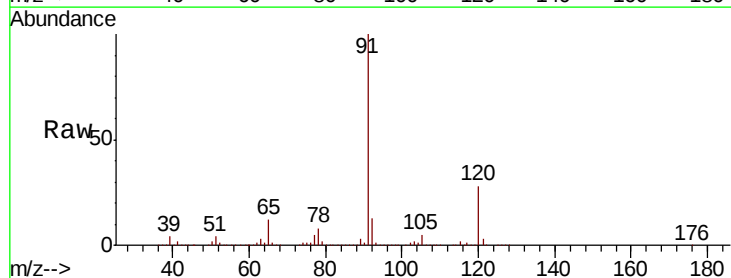
Instrument :
 MSVOA_L
 ClientSampled :

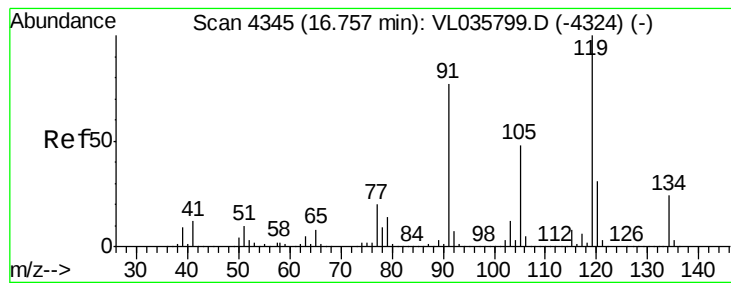
Tot Ion: 83 Resp: 2628248
 Ion Ratio Lower Upper
 83 100
 131 11.1 5.3 15.8
 85 67.0 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.348 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion:120 Resp: 1779215
 Ion Ratio Lower Upper
 120 100
 91 378.1 311.1 466.7





#65

tert-Butylbenzene

Concen: 6.934 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

ClientSampled :

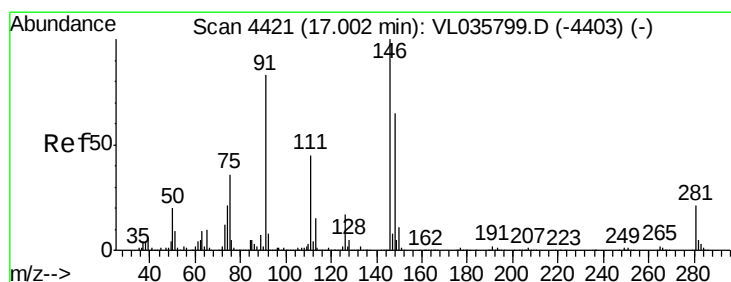
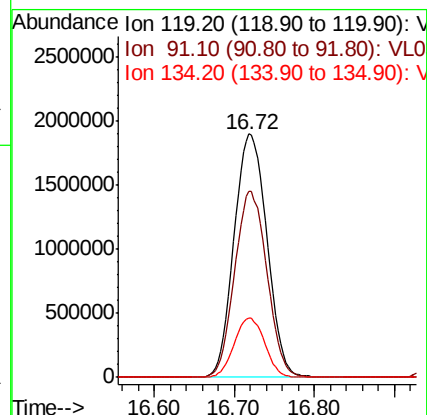
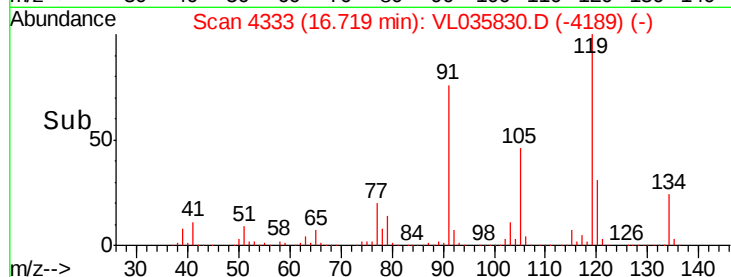
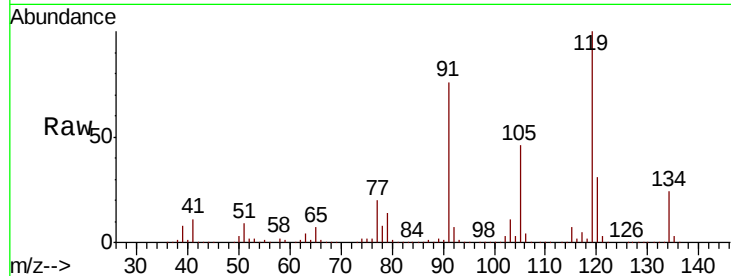
Tot Ion:119 Resp: 5287513

Ion Ratio Lower Upper

119 100

91 75.0 62.0 93.0

134 22.6 17.8 26.8



#66

Benzyl Chloride

Concen: 7.360 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

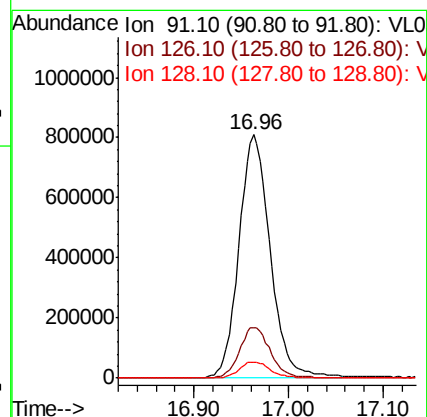
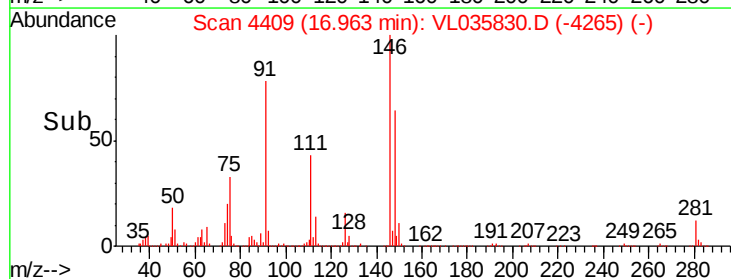
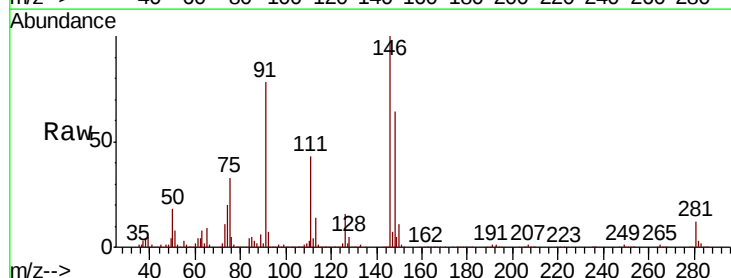
Tgt Ion: 91 Resp: 1855158

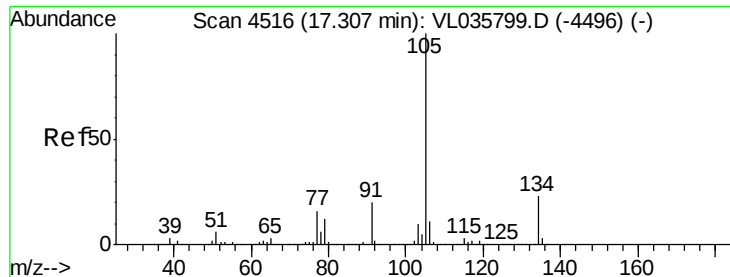
Ion Ratio Lower Upper

91 100

126 20.9 16.0 24.0

128 6.8 5.0 7.4

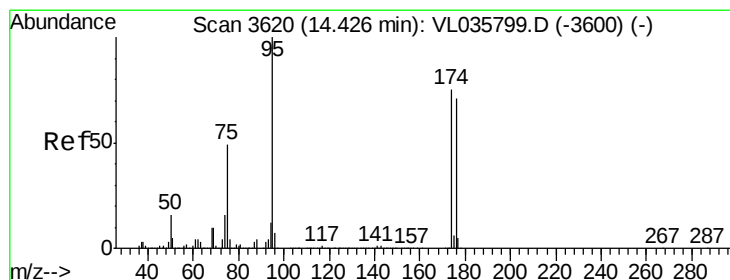
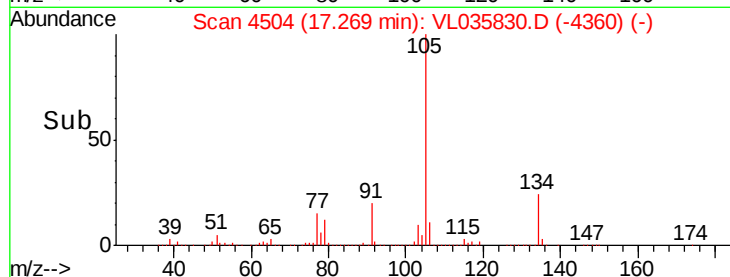
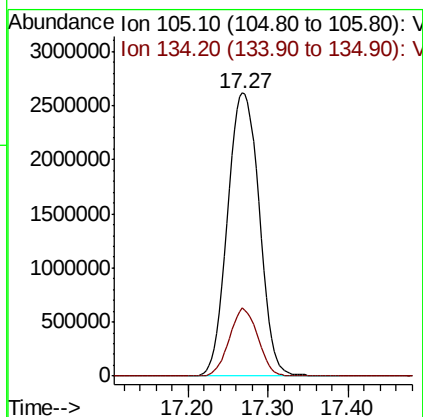
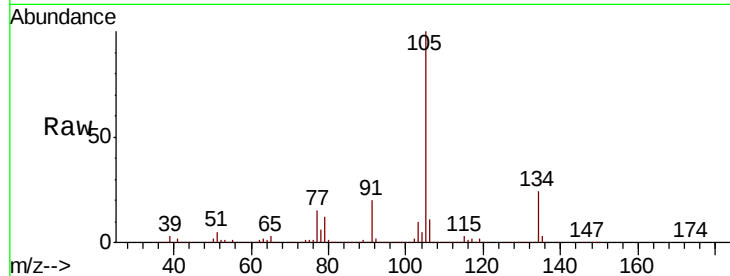




#67
 sec-Butylbenzene
 Concen: 6.854 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

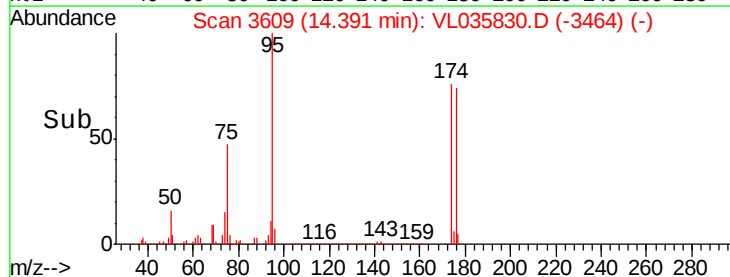
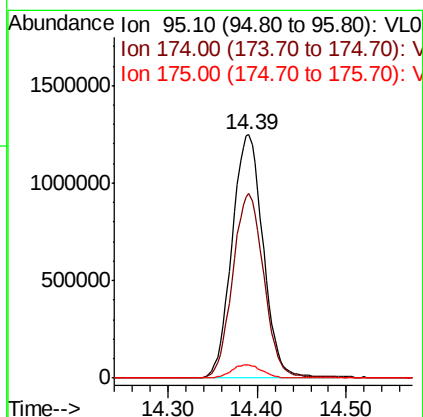
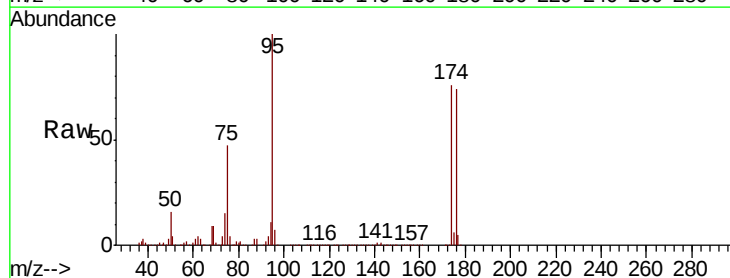
Instrument :
 MSVOA_L
 ClientSampleId :

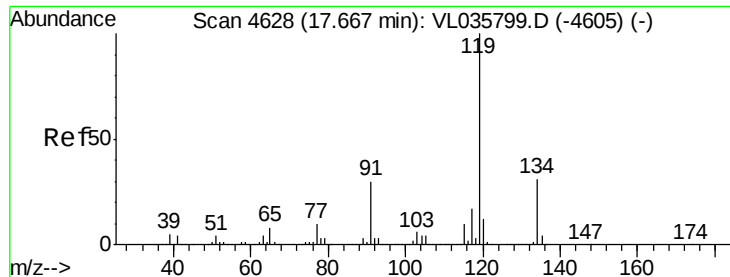
Tot Ion:105 Resp: 7043094
 Ion Ratio Lower Upper
 105 100
 134 21.7 17.0 25.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.994 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 95 Resp: 3020181
 Ion Ratio Lower Upper
 95 100
 174 76.5 59.8 89.6
 175 5.5 4.3 6.5

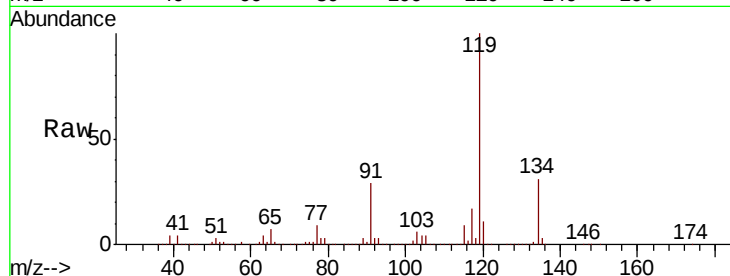




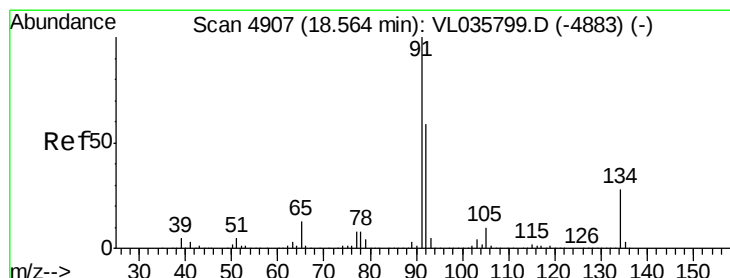
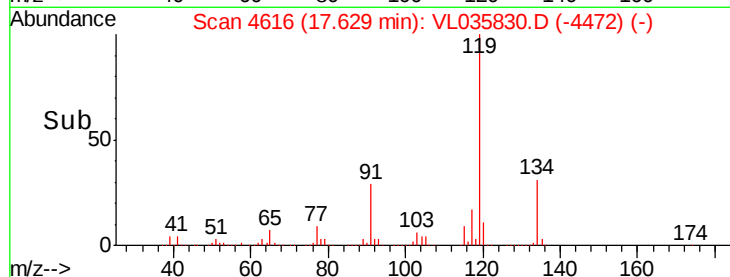
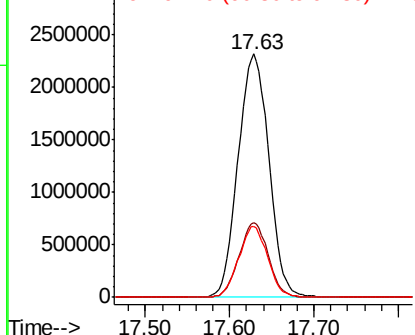
#69
 p-Isopropyltoluene
 Concen: 6.958 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 5900757
 Ion Ratio Lower Upper
 119 100
 134 29.3 23.0 34.6
 91 27.5 22.8 34.2

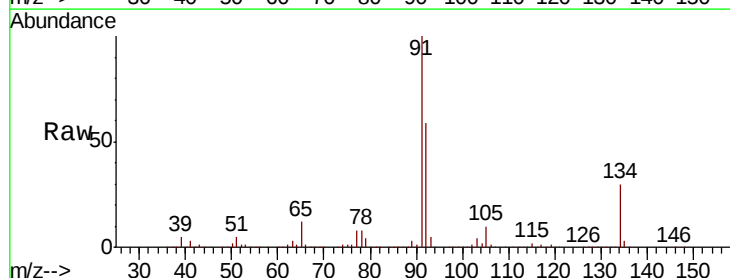


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

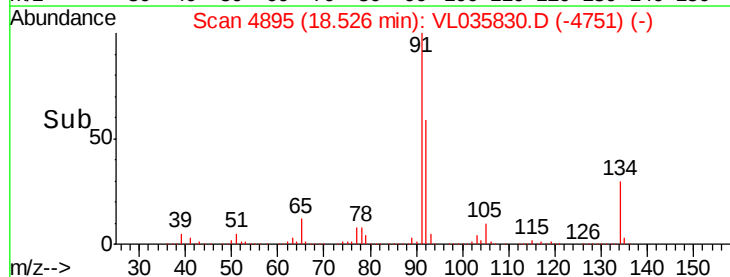
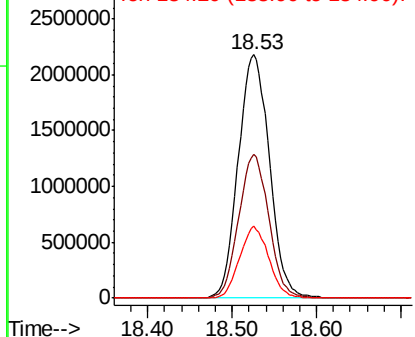


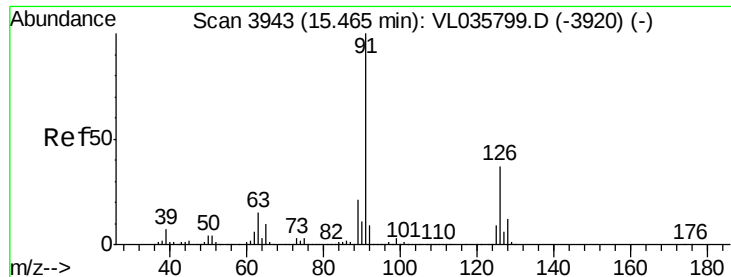
#70
 n-Butylbenzene
 Concen: 6.871 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion: 91 Resp: 5611499
 Ion Ratio Lower Upper
 91 100
 92 57.1 45.7 68.5
 134 27.8 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: 7.187 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

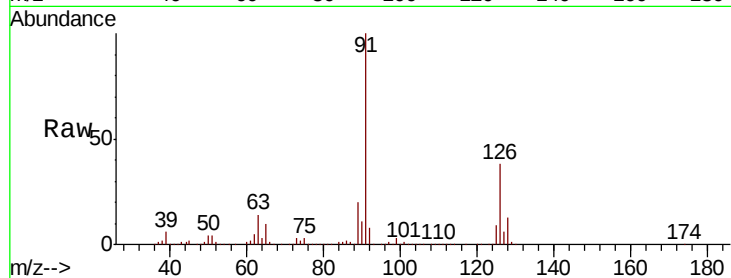
ClientSampled :

Tot Ion: 91 Resp: 4403937

Ion Ratio Lower Upper

91 100

126 37.0 14.3 57.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

500000

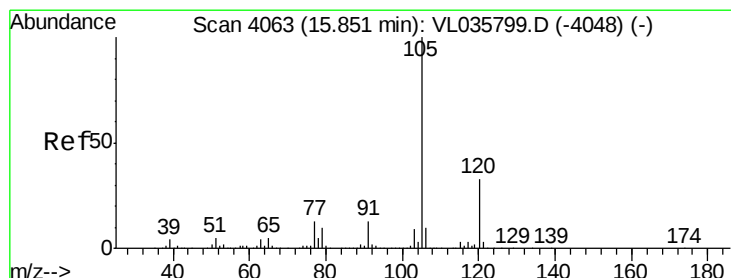
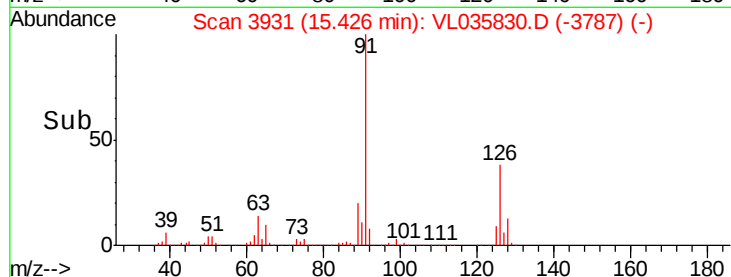
0

15.30

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.259 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion:105 Resp: 4692430

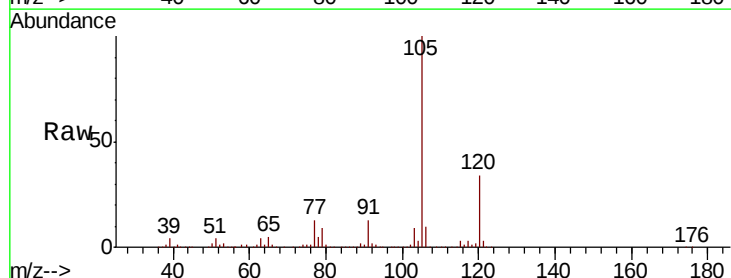
Ion Ratio Lower Upper

105 100

120 33.2 25.9 38.9

91 11.9 9.9 14.9

77 12.2 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

3000000

2500000

2000000

1500000

1000000

500000

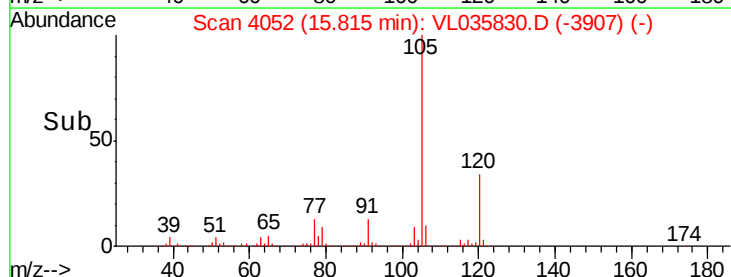
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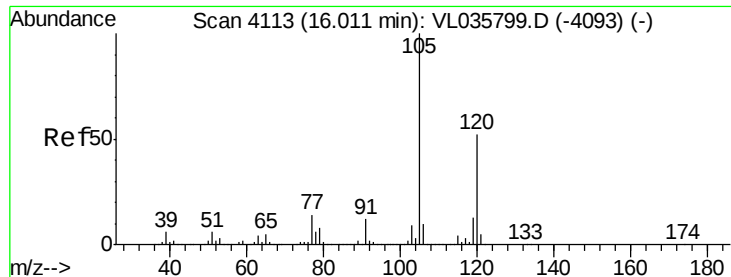
15.70

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.272 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Instrument :

MSVOA_L

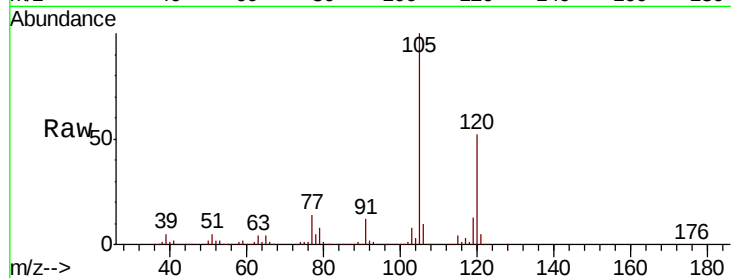
ClientSampleId :

Tot Ion:105 Resp: 4301962

Ion Ratio Lower Upper

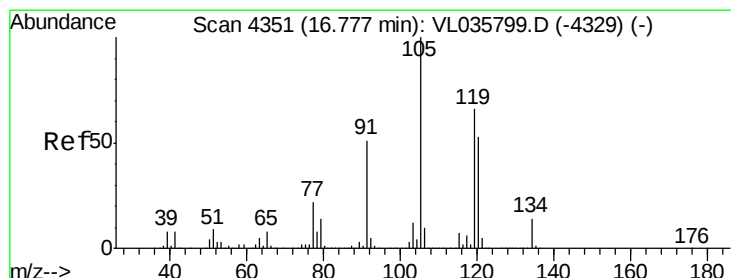
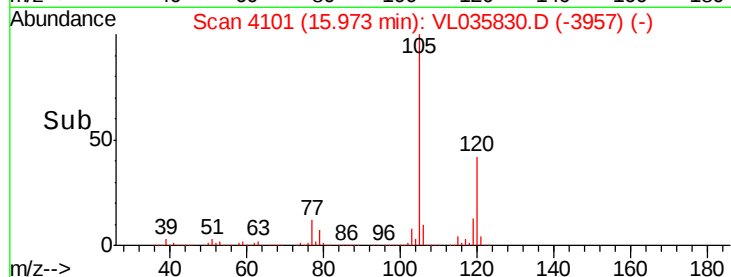
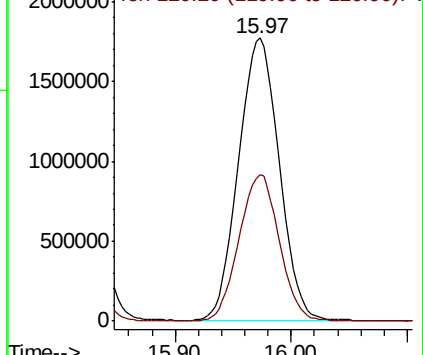
105 100

120 51.8 41.4 62.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.910 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.04 min

Lab File: VL035830.D

Acq: 4 Nov 2020 12:07

Tgt Ion:105 Resp: 4380049

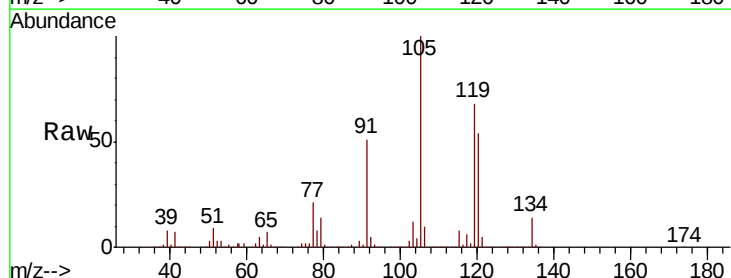
Ion Ratio Lower Upper

105 100

120 54.3 42.0 63.0

91 51.1 41.0 61.6

77 20.8 17.3 25.9

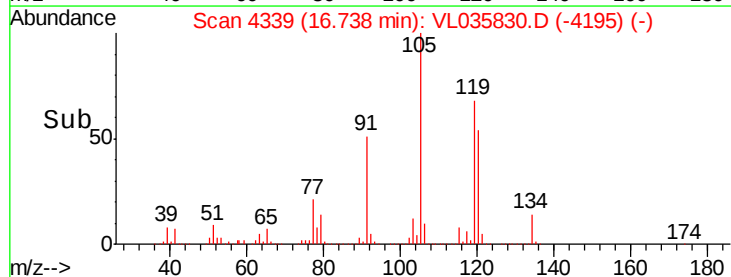
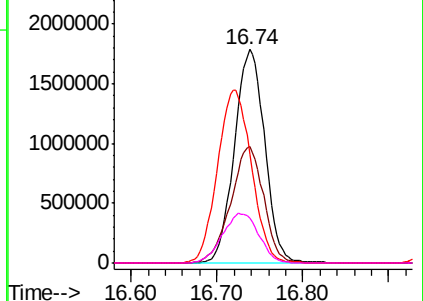


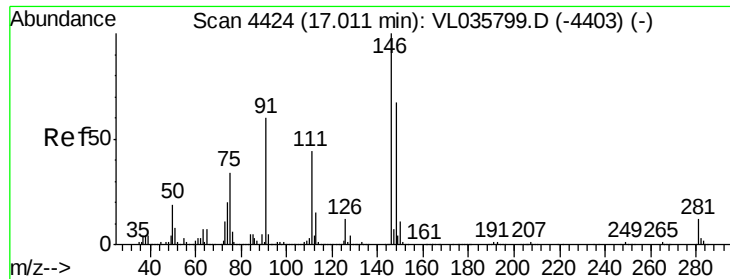
Abundance Ion 105.10 (104.80 to 105.80): V

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

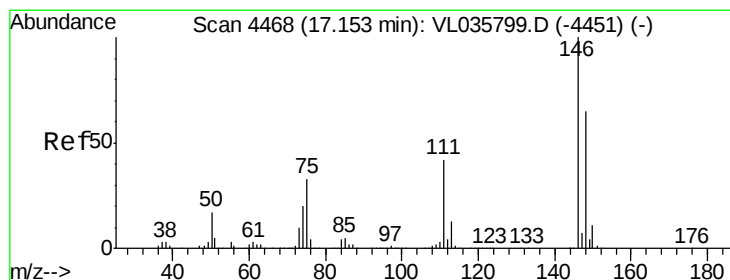
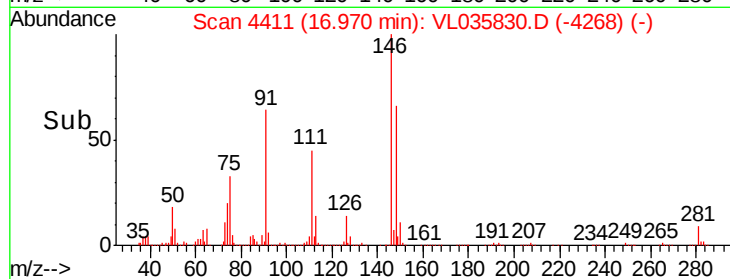
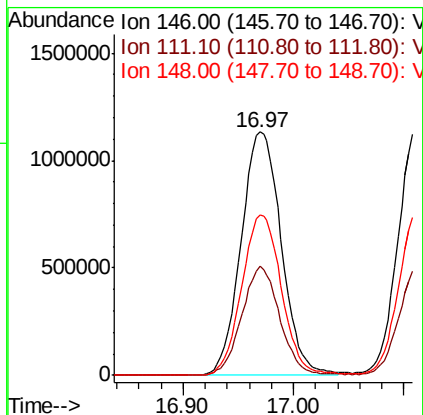
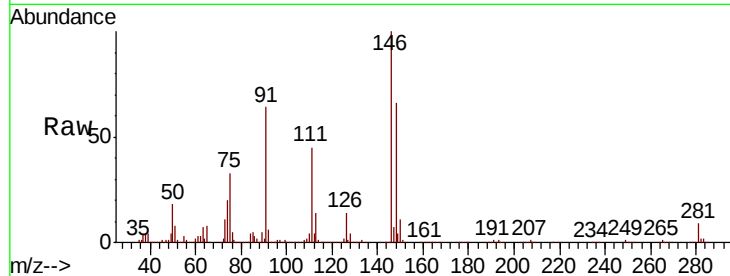




#75
 1,3-Dichlorobenzene
 Concen: 7.086 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

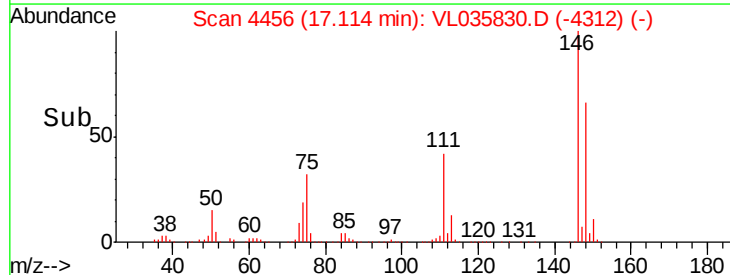
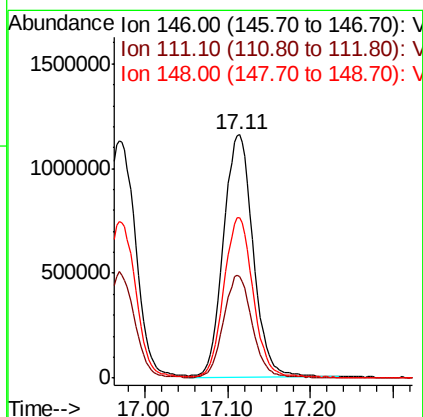
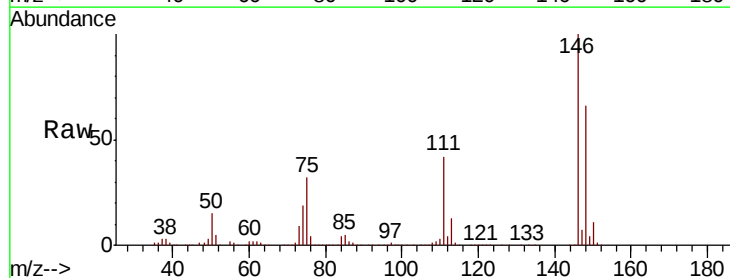
Instrument :
 MSVOA_L
 ClientSampleId :

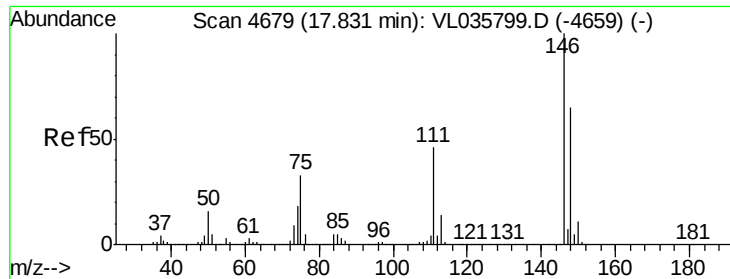
Tot Ion:146 Resp: 2860058
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.8 65.4
 148 65.1 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.419 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion:146 Resp: 2888789
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 63.7
 148 65.8 33.0 99.0

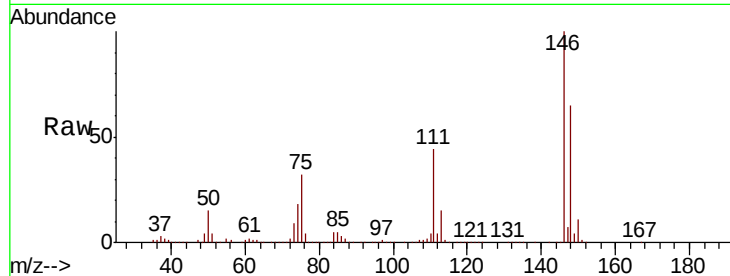




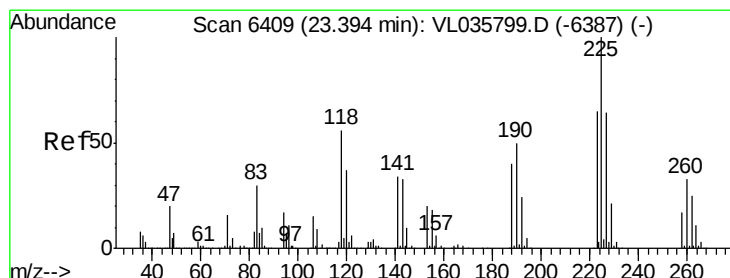
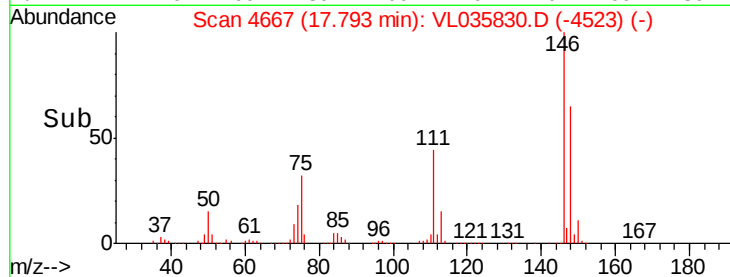
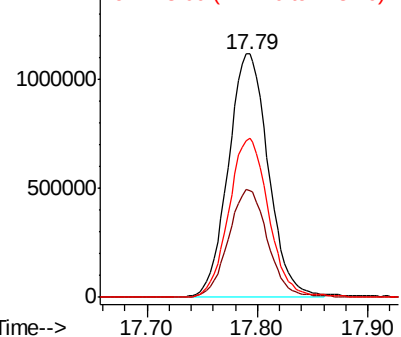
#77
 1,2-Dichlorobenzene
 Concen: 7.126 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2803630
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.4 67.0
 148 65.3 32.5 97.5

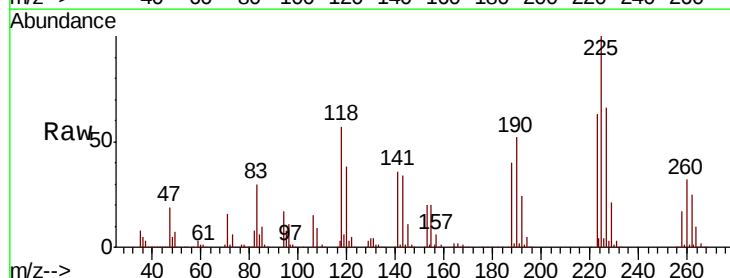


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

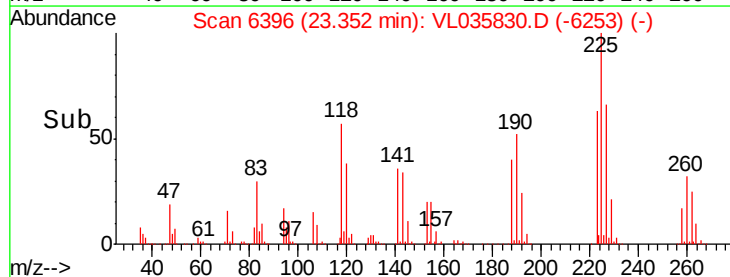
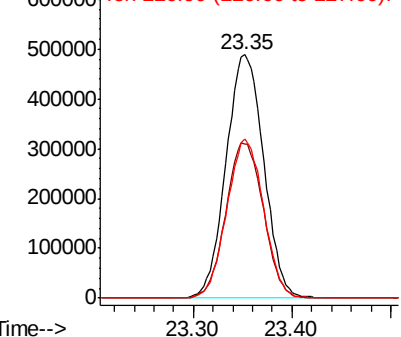


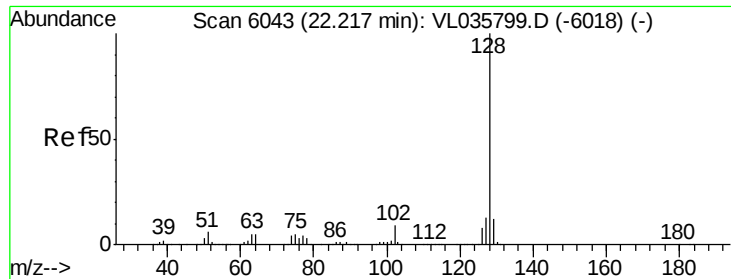
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.034 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.04 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Tgt Ion:225 Resp: 1291265
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.0 76.6
 227 64.1 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

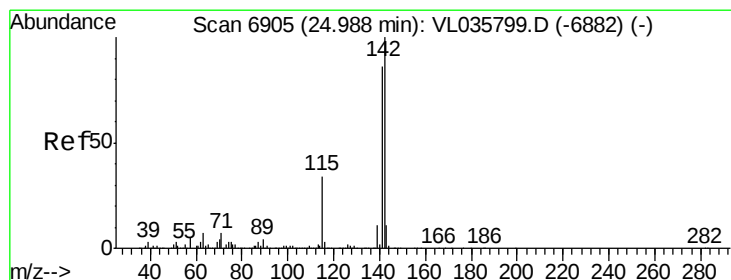
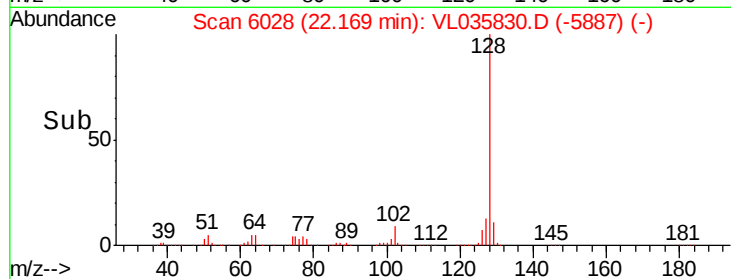
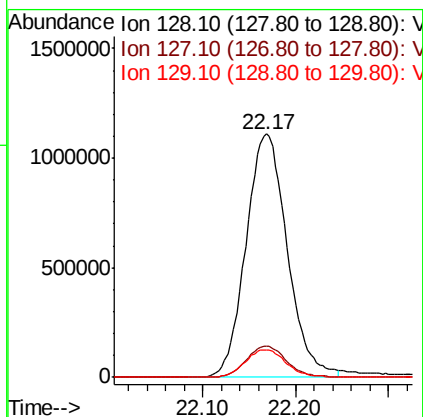
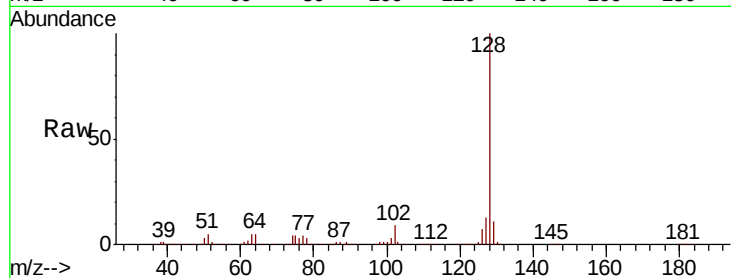




#79
Naphthalene
Concen: 7.792 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.05 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

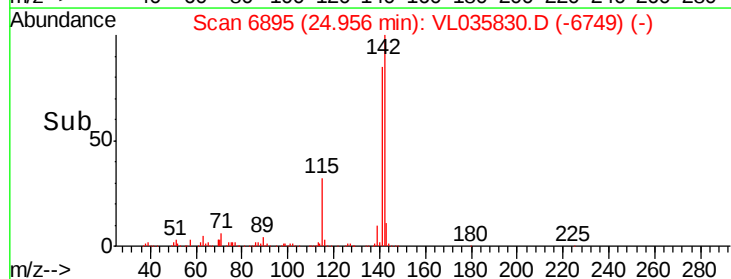
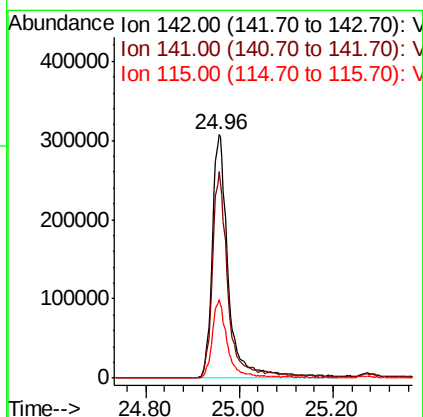
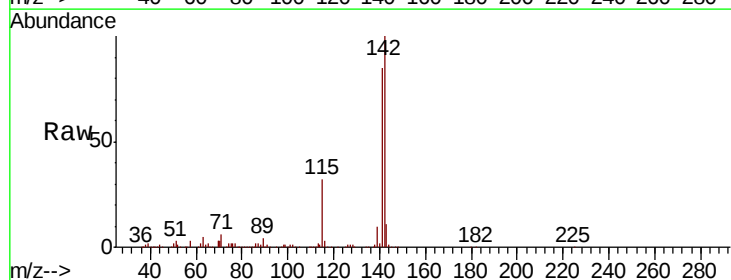
Instrument :
MSVOA_L
ClientSampled :

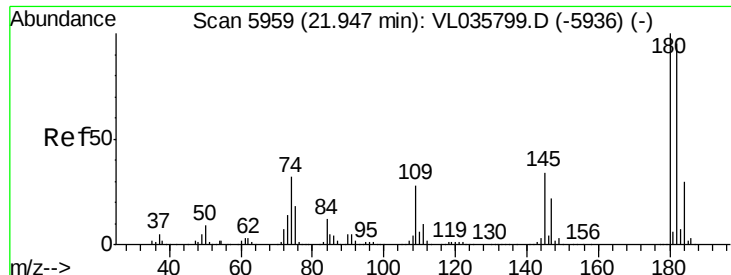
Tot Ion:128 Resp: 3443311
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.4 9.2 13.8



#80
Naphthalene, 2-methyl-
Concen: 10.297 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.03 min
Lab File: VL035830.D
Acq: 4 Nov 2020 12:07

Tgt Ion:142 Resp: 741488
Ion Ratio Lower Upper
142 100
141 81.7 67.8 101.8
115 31.0 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.591 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.05 min
 Lab File: VL035830.D
 Acq: 4 Nov 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1874047
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.2 115.8
 184 31.2 24.7 37.1

