

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035784.D
 Acq On : 16 Oct 2020 13:17
 Operator : SY/AP
 Sample : VL1016ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 03:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1092080	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4182380	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4449448	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3121004	9.36	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1371767	7.655	ppbv 99
3) Chlorodifluoromethane	2.98	51	1183156	10.070	ppbv 99
4) Chloromethane	3.13	50	639048	10.125	ppbv 97
5) Vinyl Chloride	3.25	62	747093	10.008	ppbv 99
6) Bromomethane	3.46	94	621918	9.855	ppbv 99
7) Chloroethane	3.55	64	277177	10.124	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	2050956	9.436	ppbv 99
9) Propene	3.00	41	460612	10.798	ppbv 99
10) Heptane	8.12	43	1334881	11.225	ppbv 100
11) Trichlorofluoromethane	3.94	101	2499610	9.777	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1856944	9.743	ppbv 100
13) Ethanol	3.60	45	103097	9.800	ppbv 99
14) Bromoethene	3.73	108	828740	10.323	ppbv 100
15) Acetone	3.84	43	1043016	8.876	ppbv 99
16) 1,3-Butadiene	3.32	39	478973	11.141	ppbv 98
17) tert-Butyl alcohol	4.29	59	1428357	11.159	ppbv 100
18) 1,1-Dichloroethene	4.28	96	864352	10.358	ppbv 99
19) Isopropyl Alcohol	3.96	45	708000	11.076	ppbv 99
20) Methylene Chloride	4.34	84	713270	8.263	ppbv 98
21) Allyl Chloride	4.40	41	628331	11.031	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	896378	10.167	ppbv 98
23) Vinyl Acetate	5.07	43	1640147	11.395	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1590504	10.145	ppbv 99
25) Ethyl Acetate	5.67	43	2184567	10.331	ppbv 100
26) Hexane	5.68	57	1196129	10.323	ppbv 98
27) Carbon Disulfide	4.54	76	1929757	11.174	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2116786	11.525	ppbv 100
29) Chloroform	5.75	83	2373856	10.088	ppbv 99
30) Cyclohexane	7.13	84	1298879	11.362	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1270166	11.356	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	2313846	11.155	ppbv 100
34) 2-Butanone	5.24	43	1496664	10.819	ppbv 100
35) Carbon Tetrachloride	7.02	117	2372298	10.879	ppbv 99
36) Benzene	6.89	78	2990759	10.974	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1484827	10.454	ppbv 100
38) Trichloroethene	7.84	130	1472682	10.833	ppbv 99
39) 1,2-Dichloropropane	7.62	63	1043367	10.563	ppbv 99
40) 1,4-Dioxane	7.83	88	519074	11.491	ppbv 94
41) Tetrahydrofuran	6.05	42	848209	12.171	ppbv 98
42) Bromodichloromethane	7.79	83	2493009	10.896	ppbv 99
43) Methyl Methacrylate	8.01	69	1267790	11.697	ppbv 99

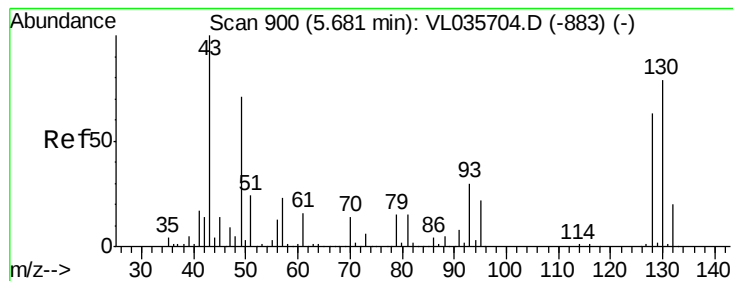
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035784.D
 Acq On : 16 Oct 2020 13:17
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Quant Time: Oct 17 03:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4087801	10.453	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1431045	13.077	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1695694	12.571	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1438308	10.166	ppbv	99
48) Dibromochloromethane	10.31	129	2441232	11.337	ppbv	100
49) Bromoform	13.05	173	2163398	11.841	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2224251	11.008	ppbv	99
51) 2-Hexanone	10.14	43	1862925	11.444	ppbv #	99
52) Tetrachloroethene	11.23	164	1395190	10.646	ppbv	99
53) Toluene	9.81	91	3736460	11.627	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2253478	10.637	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1876573	10.058	ppbv	97
57) Chlorobenzene	12.16	112	3125873	9.301	ppbv	99
58) Ethyl Benzene	12.72	91	4864909	10.894	ppbv	99
59) m/p-Xylene	13.01	91	4173542	10.701	ppbv #	32
60) o-Xylene	13.70	91	4058016	10.286	ppbv	100
61) Styrene	13.54	104	3165615	11.605	ppbv	100
62) Isopropylbenzene	14.68	105	6107850	9.981	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2953159	9.129	ppbv	99
64) n-propylbenzene	15.58	120	1858044	10.375	ppbv	97
65) tert-Butylbenzene	16.76	119	5619846	10.101	ppbv	99
66) Benzyl Chloride	17.00	91	2075893	12.315	ppbv	98
67) sec-Butylbenzene	17.31	105	7554901	9.833	ppbv	99
69) p-Isopropyltoluene	17.67	119	6324737	10.119	ppbv	99
70) n-Butylbenzene	18.57	91	6286760	9.767	ppbv	99
71) 2-Chlorotoluene	15.47	91	4674049	10.472	ppbv	99
72) 4-Ethyltoluene	15.85	105	4953152	10.598	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4593154	10.400	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	4780154	9.602	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3135428	9.225	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3154424	9.709	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3072462	9.570	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1659151	9.367	ppbv	99
79) Naphthalene	22.22	128	4602790	9.693	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	1168476	10.433	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2398755	9.748	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

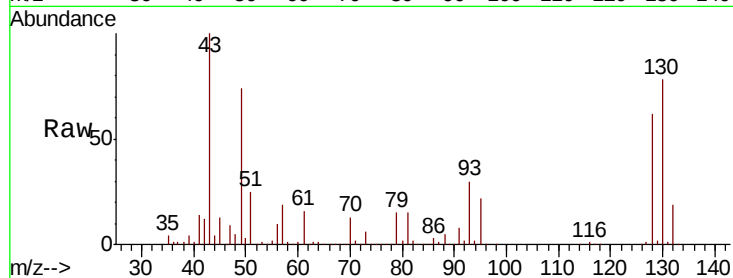
Tot Ion: 49 Resp: 1092080

Ion Ratio Lower Upper

49 100

128 82.9 43.1 129.4

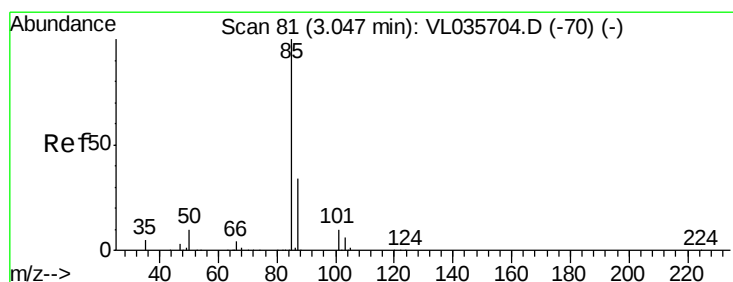
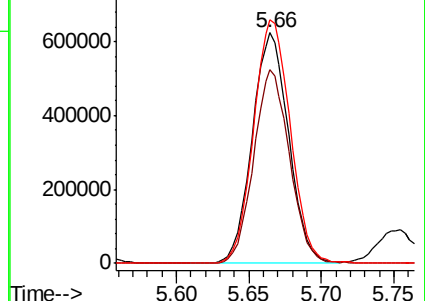
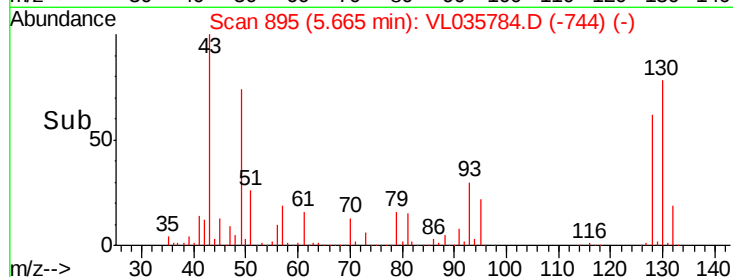
130 107.0 54.9 164.7



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: 7.655 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035784.D

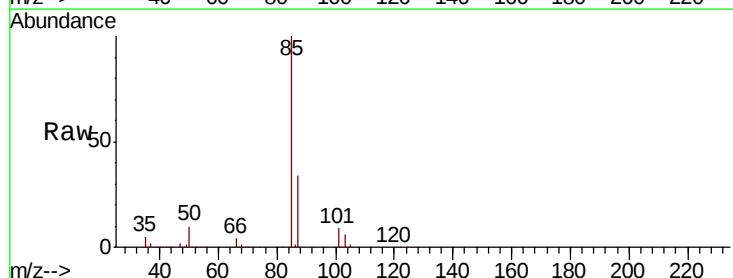
Acq: 16 Oct 2020 13:17

Tgt Ion: 85 Resp: 1371767

Ion Ratio Lower Upper

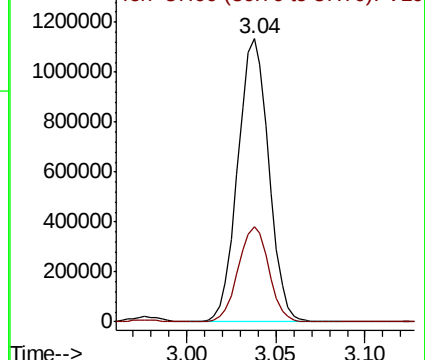
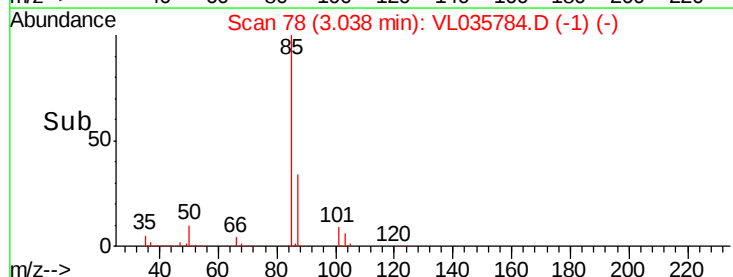
85 100

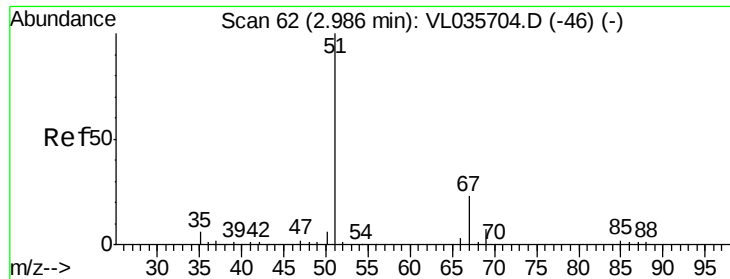
87 33.7 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

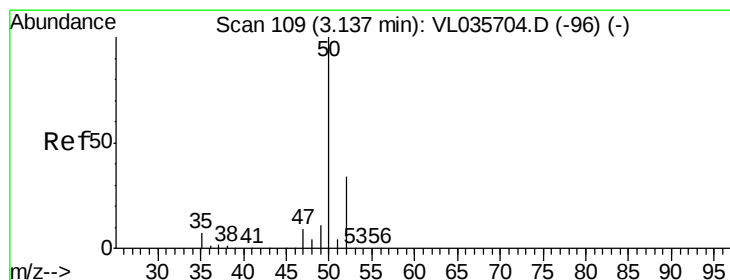
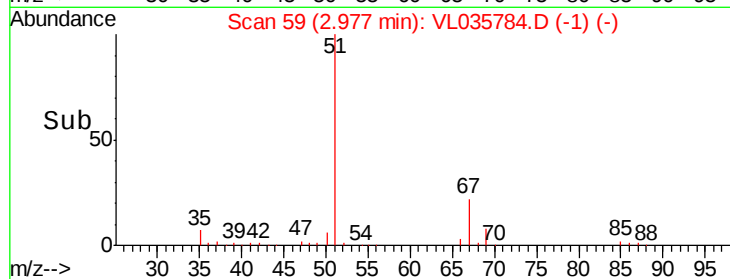
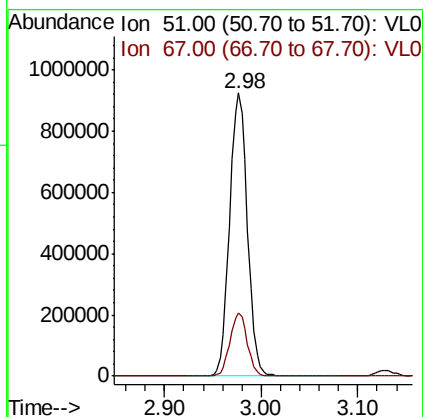
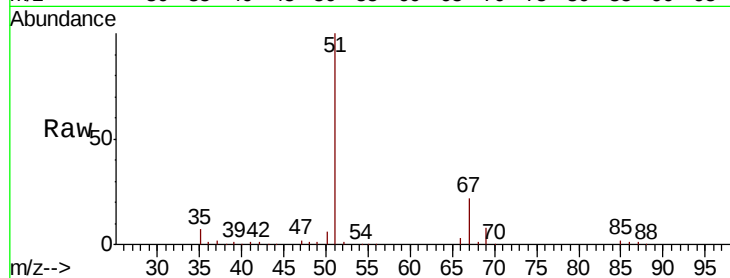




#3
Chlorodifluoromethane
Concen: 10.070 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

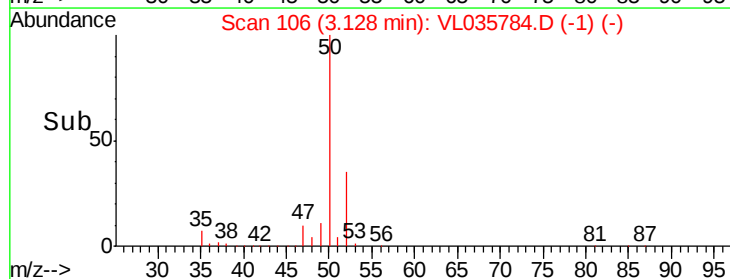
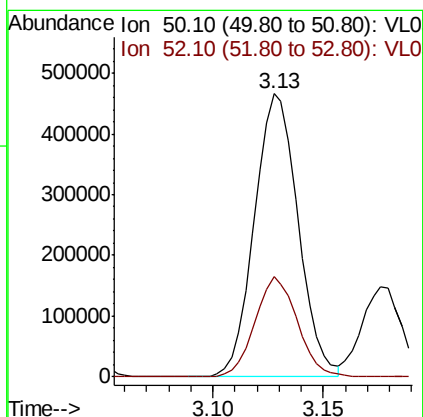
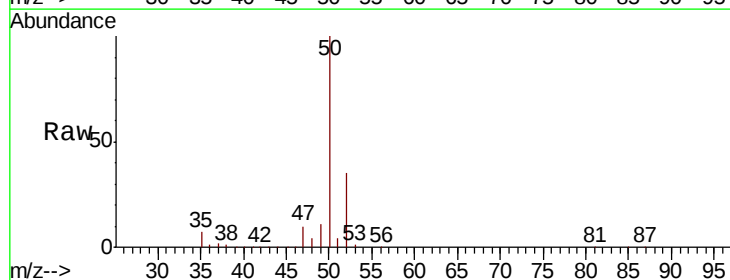
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 51 Resp: 1183156
Ion Ratio Lower Upper
51 100
67 21.9 17.8 26.8



#4
Chloromethane
Concen: 10.125 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 50 Resp: 639048
Ion Ratio Lower Upper
50 100
52 35.4 26.8 40.2





#5

Vinyl Chloride

Concen: 10.008 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

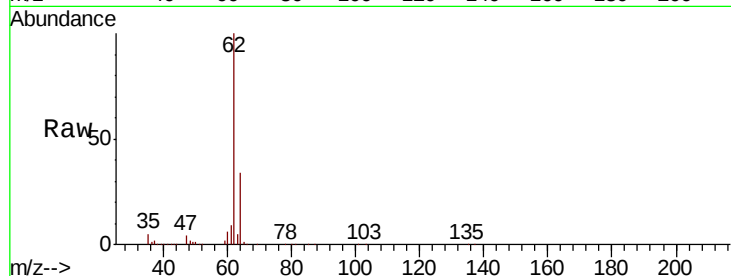
ClientSampleId :

Tot Ion: 62 Resp: 747093

Ion Ratio Lower Upper

62 100

64 33.9 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

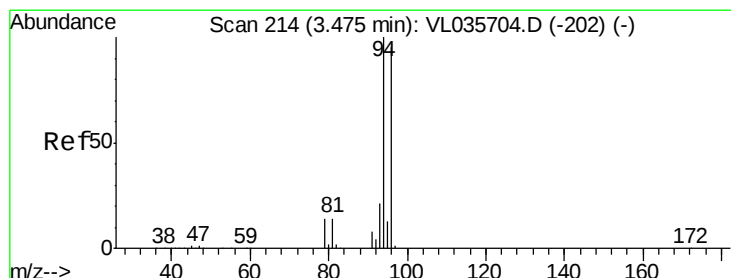
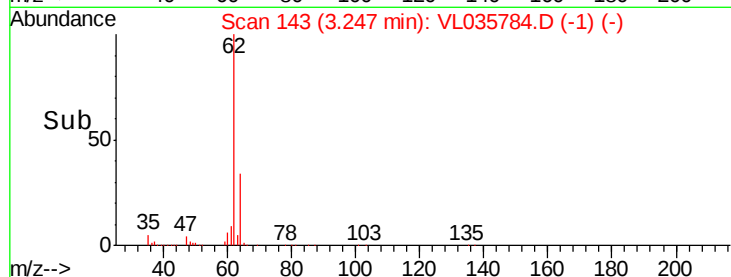
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.855 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035784.D

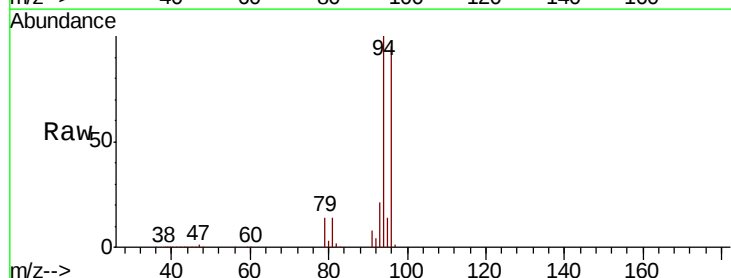
Acq: 16 Oct 2020 13:17

Tgt Ion: 94 Resp: 621918

Ion Ratio Lower Upper

94 100

96 94.7 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

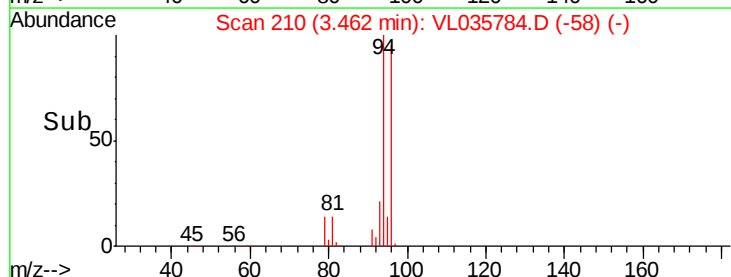
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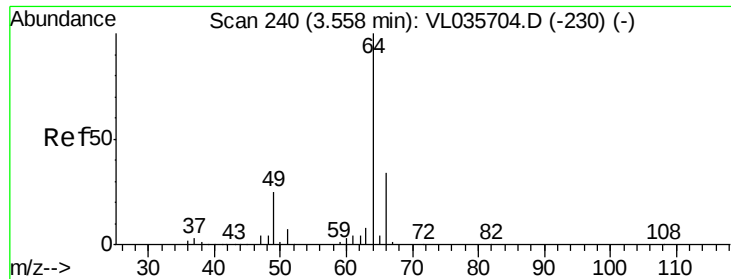
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100000

0

Time-->





#7

Chloroethane

Concen: 10.124 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

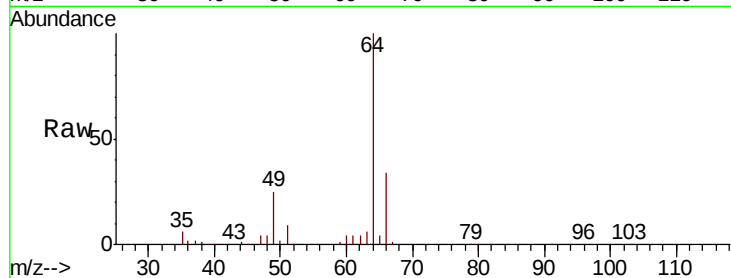
ClientSampleId :

Tot Ion: 64 Resp: 277177

Ion Ratio Lower Upper

64 100

66 33.6 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

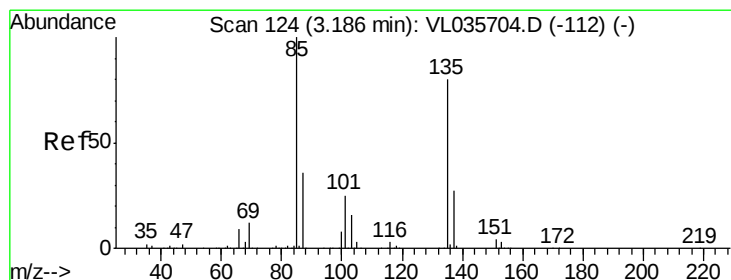
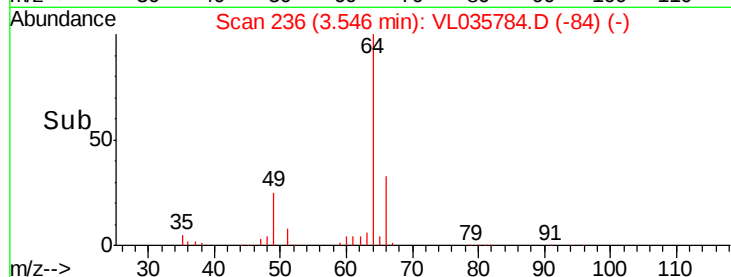
50000

0

3.55

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.436 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035784.D

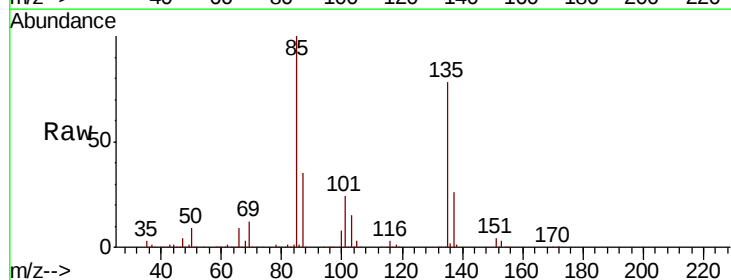
Acq: 16 Oct 2020 13:17

Tgt Ion: 85 Resp: 2050956

Ion Ratio Lower Upper

85 100

135 79.5 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

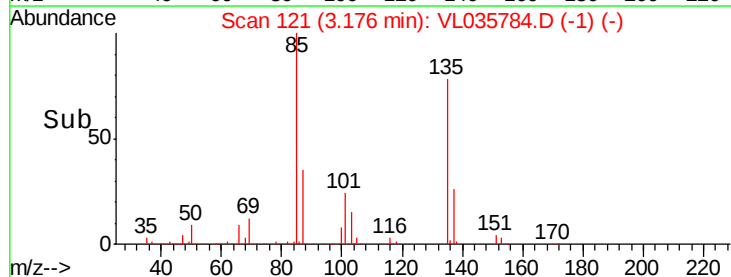
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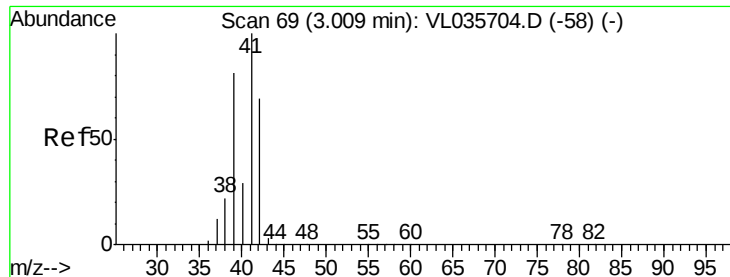
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3.18

3.10 3.15 3.20 3.25

Time-->





#9

Propene

Concen: 10.798 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

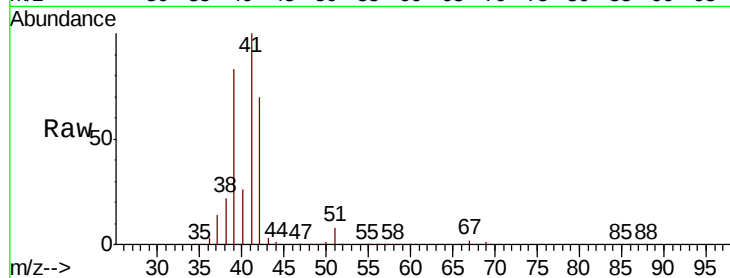
ClientSampleId :

Tot Ion: 41 Resp: 460612

Ion Ratio Lower Upper

41 100

42 69.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

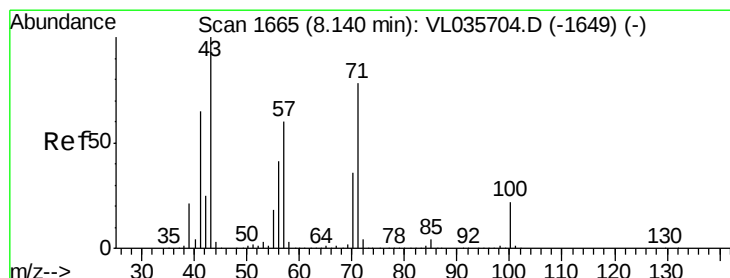
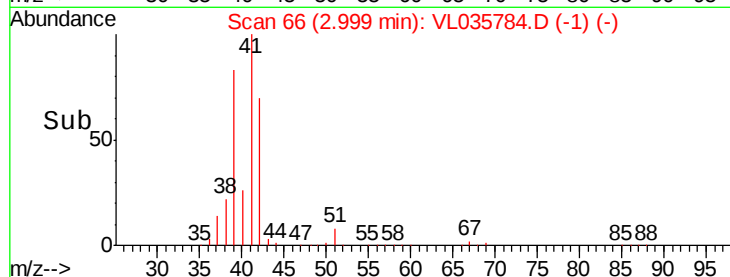
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 11.225 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035784.D

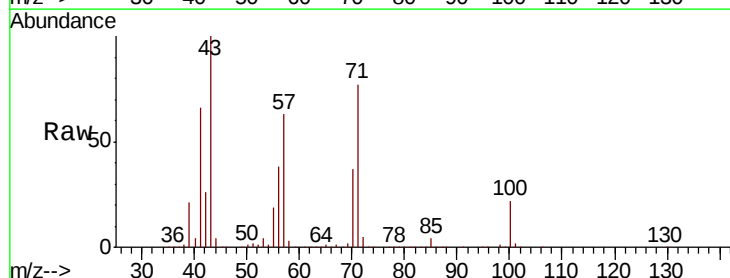
Acq: 16 Oct 2020 13:17

Tgt Ion: 43 Resp: 1334881

Ion Ratio Lower Upper

43 100

57 62.7 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

800000

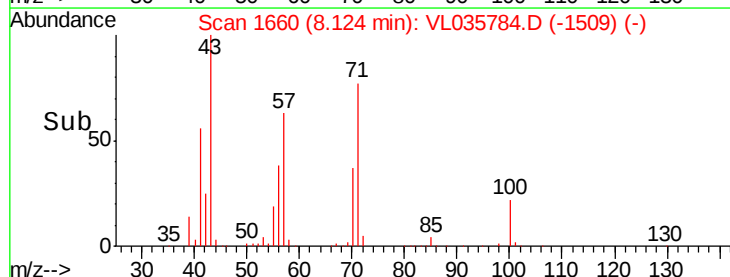
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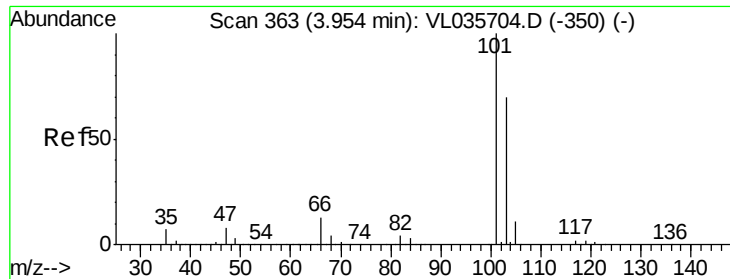
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200000

0

Time-->

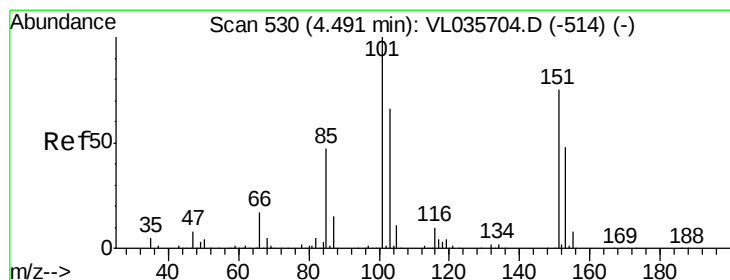
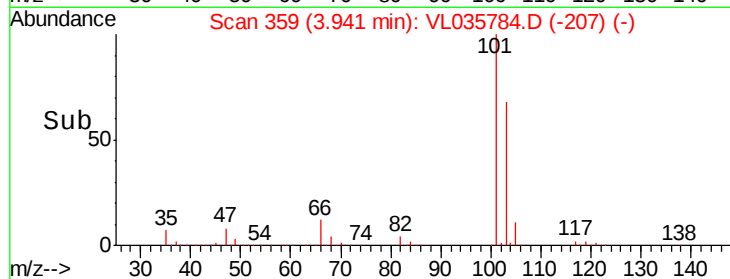
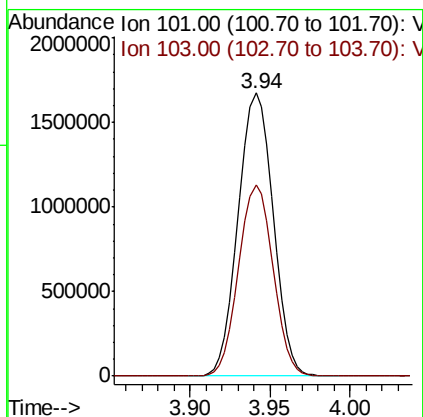
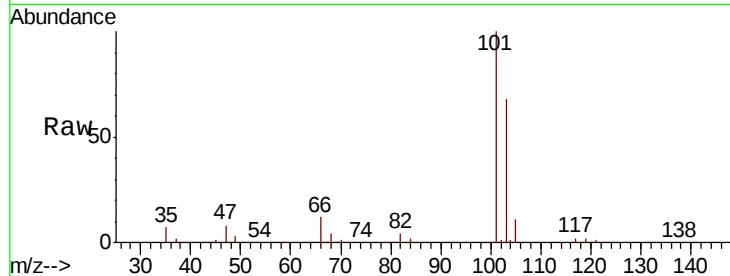




#11
 Trichlorofluoromethane
 Concen: 9.777 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

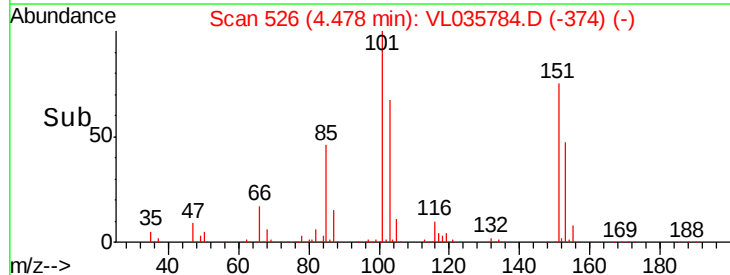
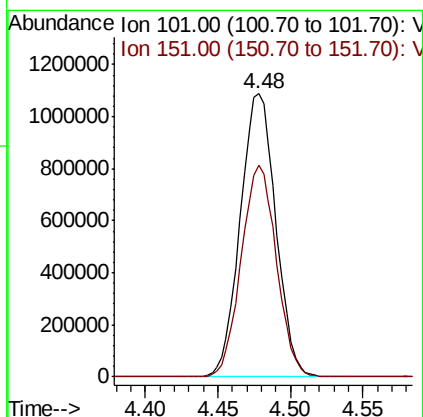
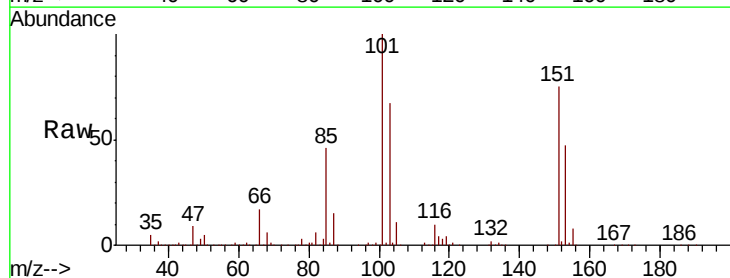
Instrument :
 MSVOA_L
 ClientSampleId :

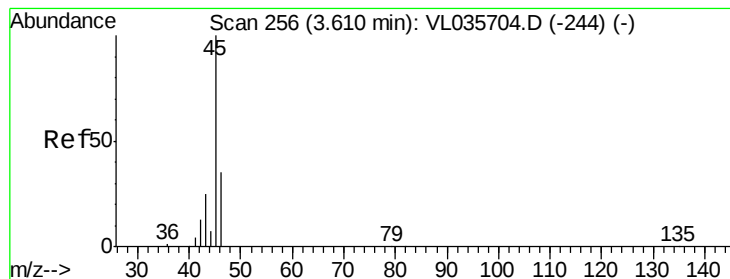
Tot Ion:101 Resp: 2499610
 Ion Ratio Lower Upper
 101 100
 103 67.7 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.743 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion:101 Resp: 1856944
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.1 88.7





#13

Ethanol

Concen: 9.800 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

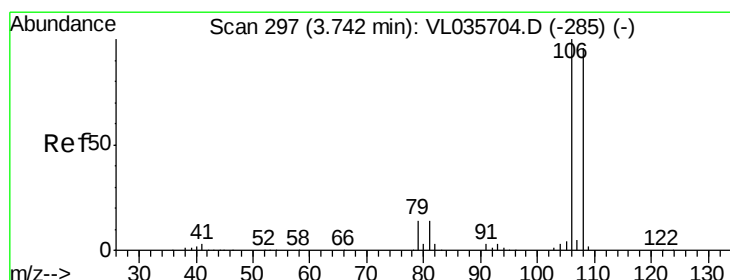
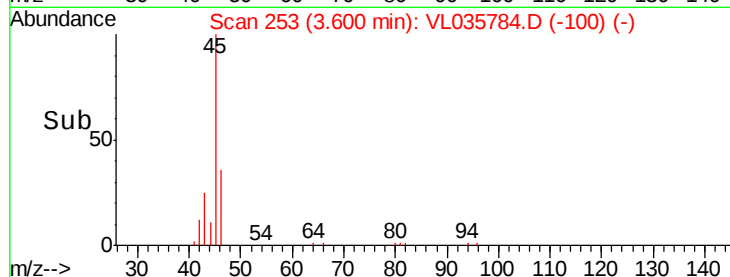
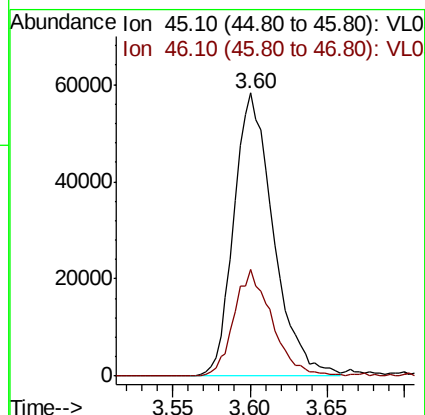
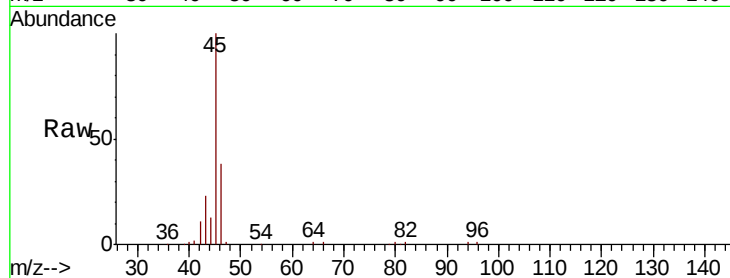
ClientSampleId :

Tot Ion: 45 Resp: 103097

Ion Ratio Lower Upper

45 100

46 36.2 14.7 58.7



#14

Bromoethene

Concen: 10.323 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

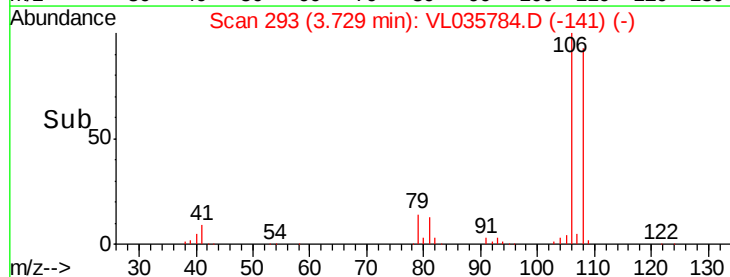
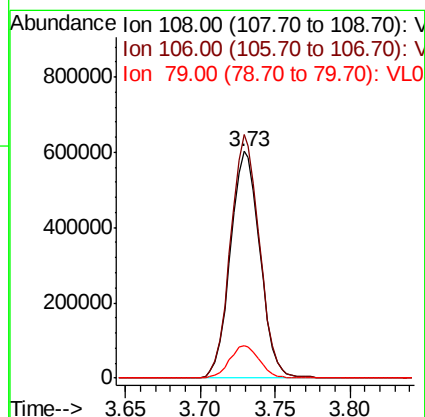
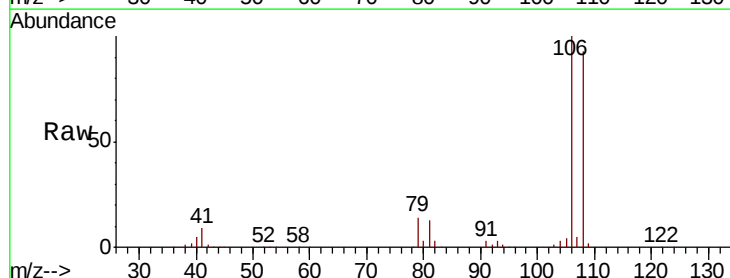
Tgt Ion: 108 Resp: 828740

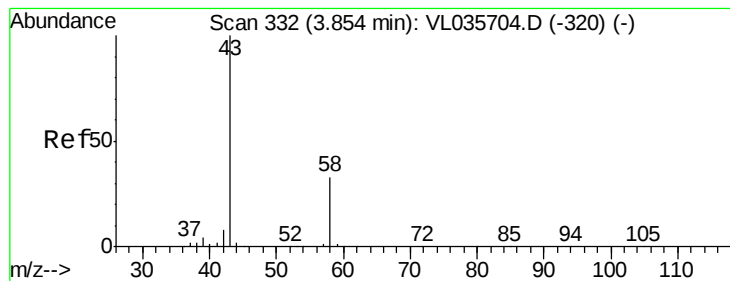
Ion Ratio Lower Upper

108 100

106 105.5 84.6 126.8

79 14.8 11.6 17.4





#15

Acetone

Concen: 8.876 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

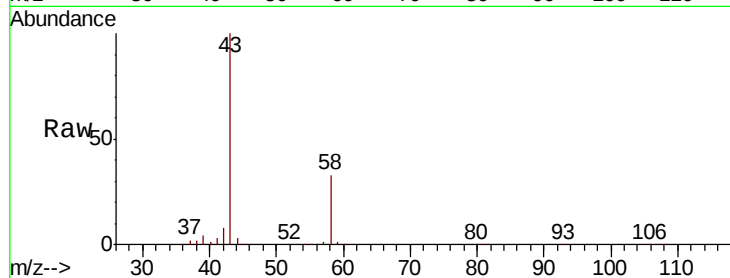
ClientSampleId :

Tot Ion: 43 Resp: 1043016

Ion Ratio Lower Upper

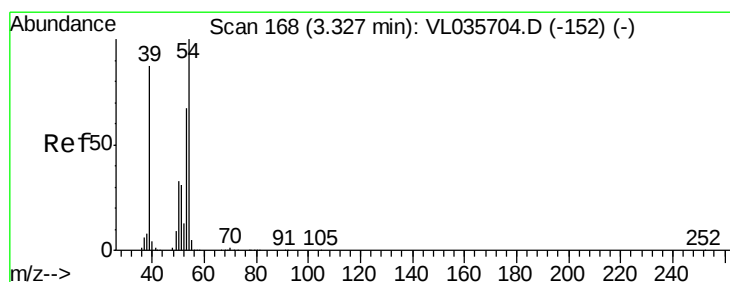
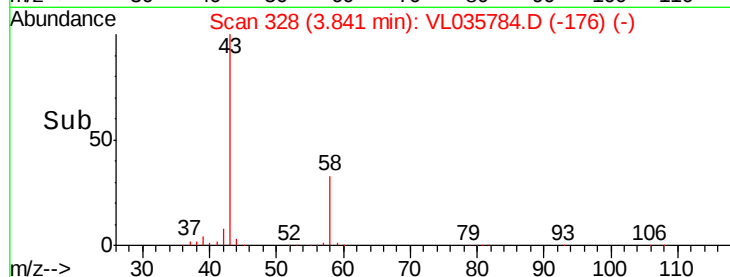
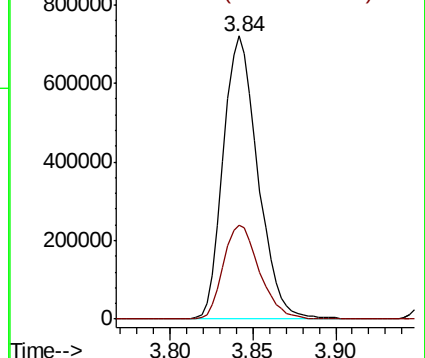
43 100

58 34.7 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.141 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL035784.D

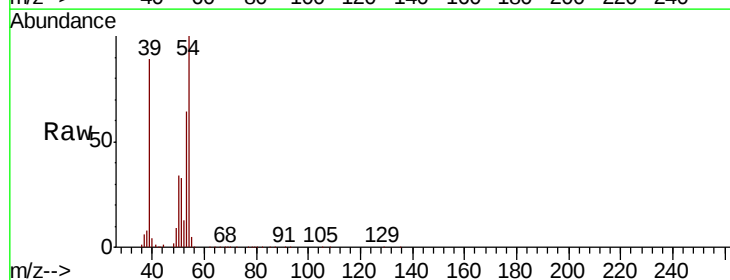
Acq: 16 Oct 2020 13:17

Tgt Ion: 39 Resp: 478973

Ion Ratio Lower Upper

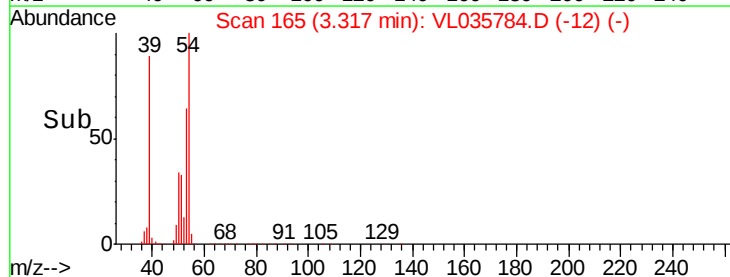
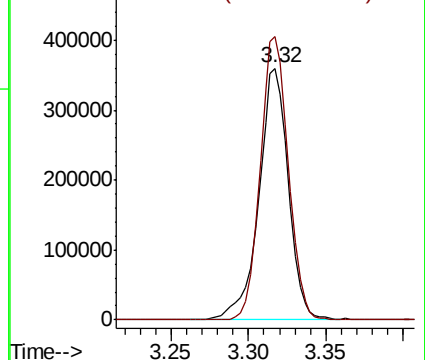
39 100

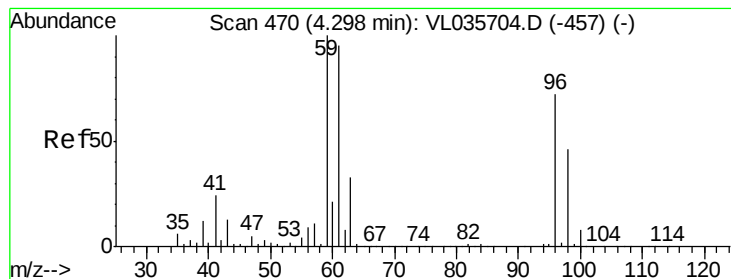
54 107.5 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.159 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

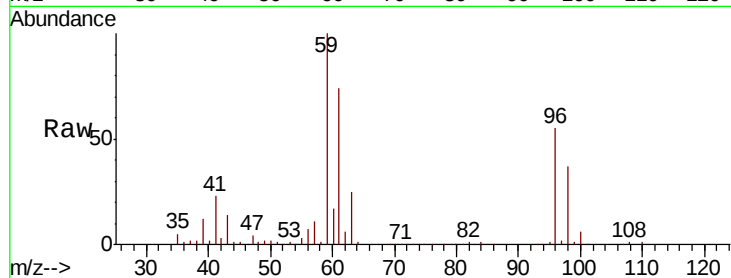
ClientSampleId :

Tot Ion: 59 Resp: 1428357

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

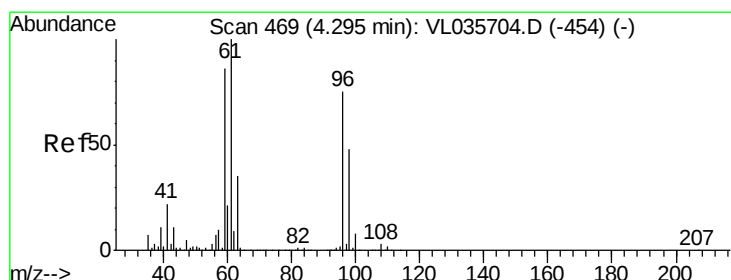
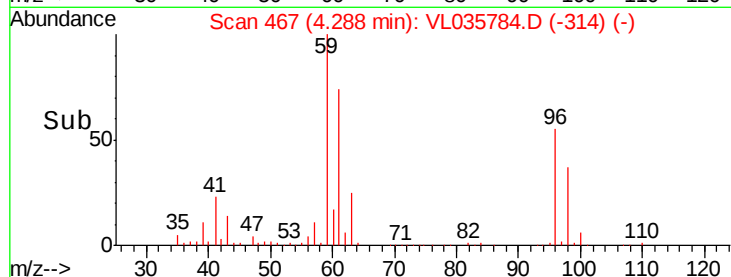
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 10.358 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

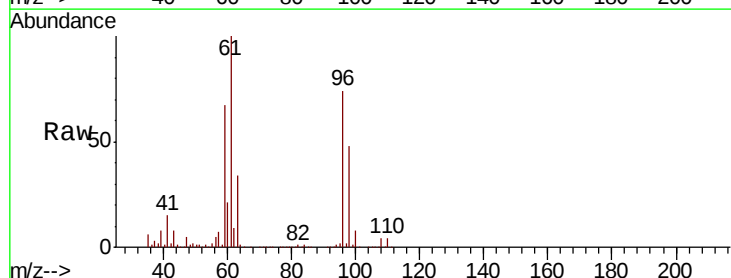
Tgt Ion: 96 Resp: 864352

Ion Ratio Lower Upper

96 100

61 135.1 106.7 160.1

98 64.4 50.8 76.2



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

1000000

800000

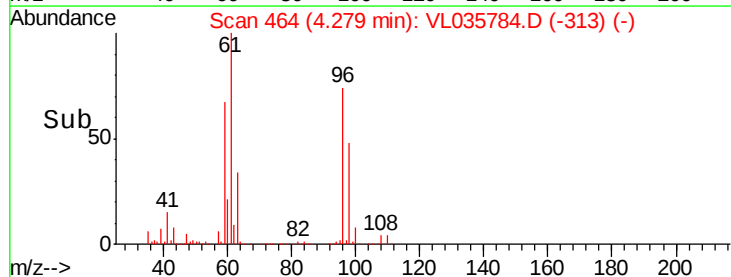
600000

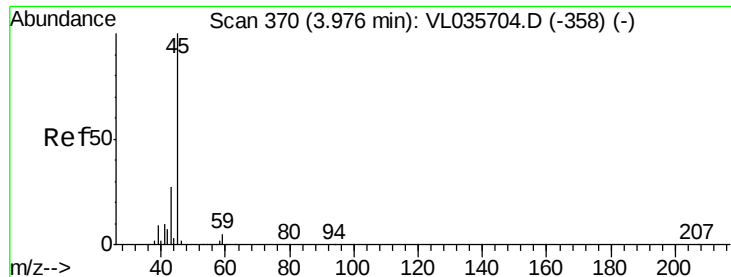
400000

200000

0

Time--> 4.20 4.25 4.30 4.35



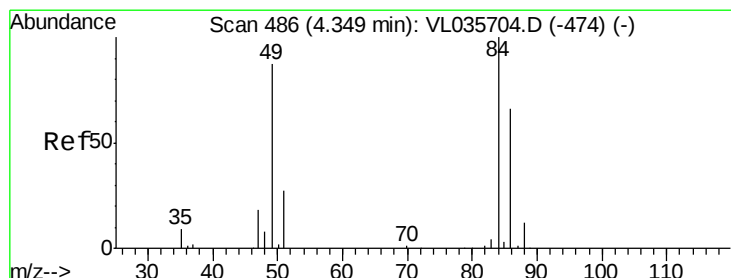
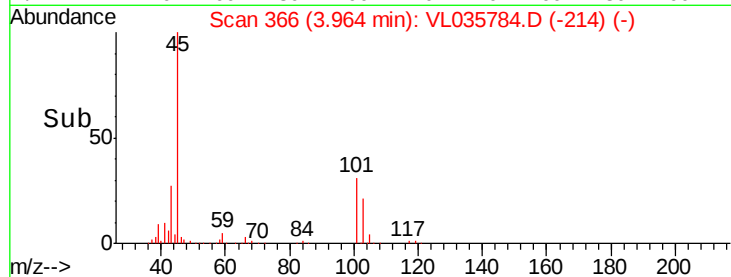
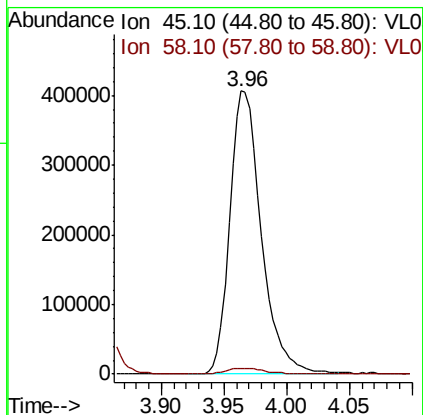
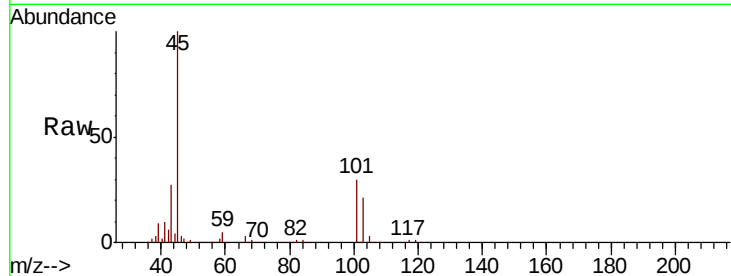


#19

Isopropyl Alcohol
 Concen: 11.076 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :

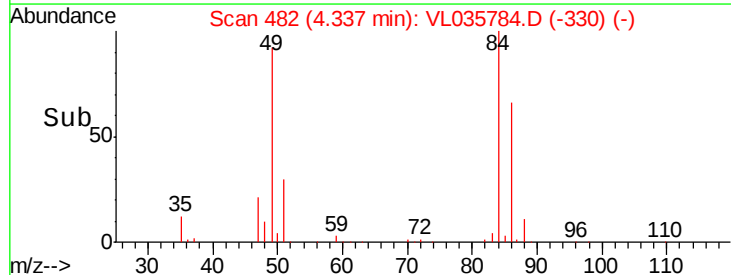
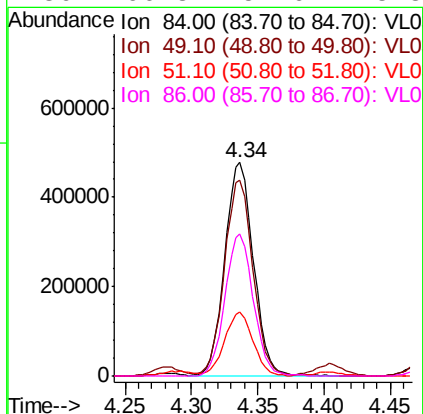
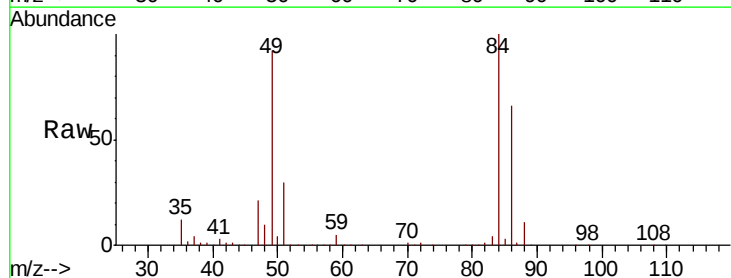
Tot Ion: 45 Resp: 708000
 Ion Ratio Lower Upper
 45 100
 58 3.2 2.8 4.2

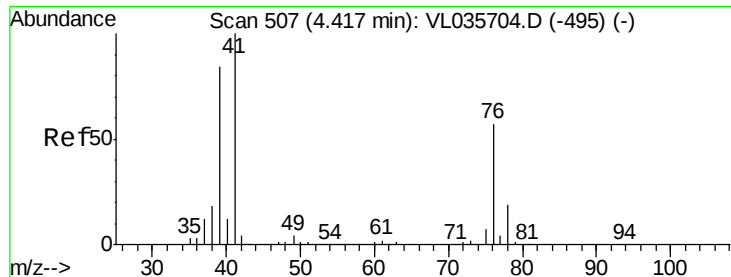


#20

Methylene Chloride
 Concen: 8.263 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 84 Resp: 713270
 Ion Ratio Lower Upper
 84 100
 49 90.9 69.8 104.6
 51 28.2 21.8 32.8
 86 66.3 52.6 78.8





#21

Allvl Chloride

Concen: 11.031 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :

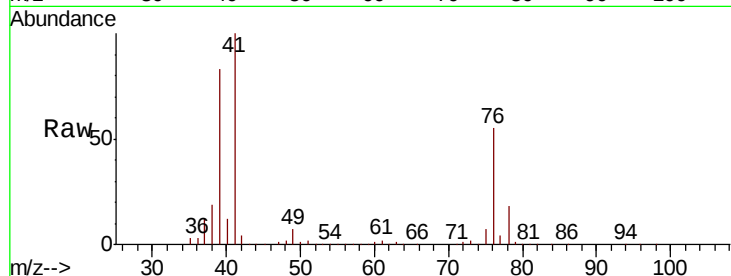
Tot Ion: 41 Resp: 628331

Ion Ratio Lower Upper

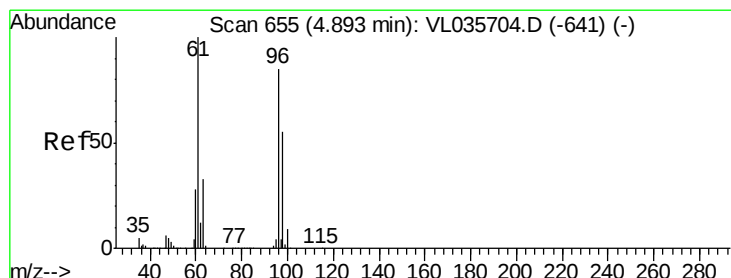
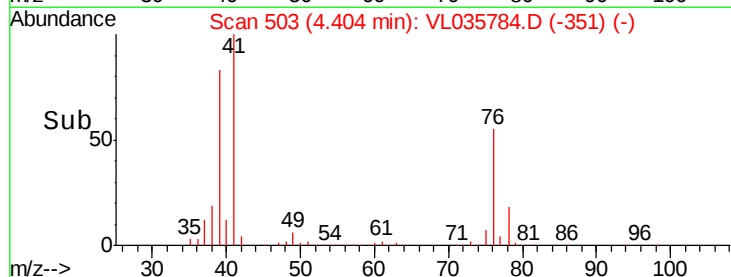
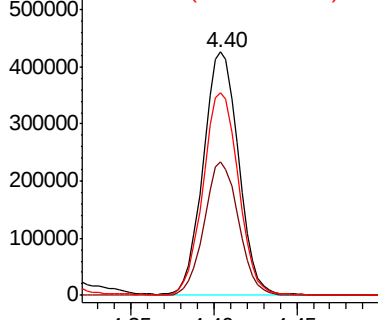
41 100

76 53.8 44.8 67.2

39 84.1 68.4 102.6



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: 10.167 ppbv

RT: 4.88 min Scan# 650

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

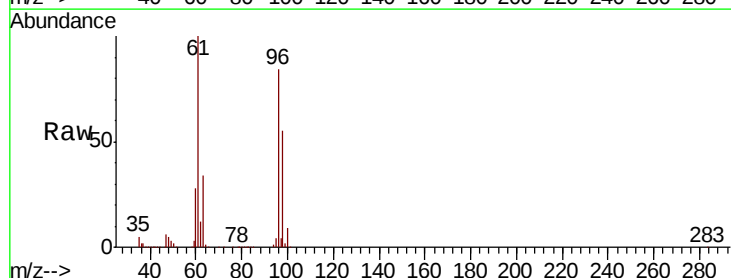
Tgt Ion: 96 Resp: 896378

Ion Ratio Lower Upper

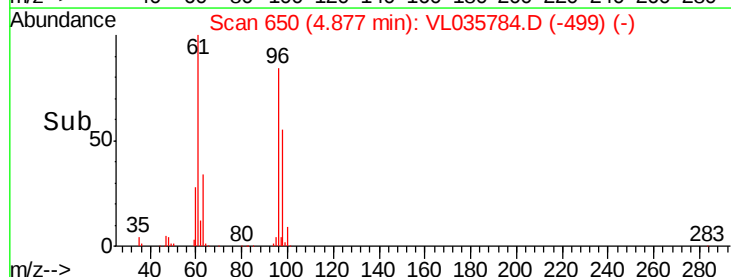
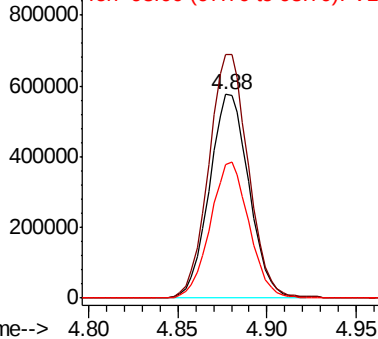
96 100

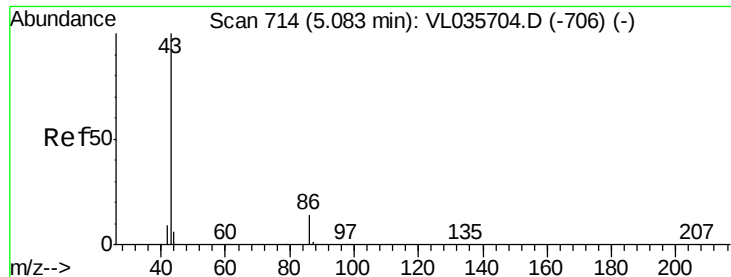
61 119.5 93.7 140.5

98 65.3 51.2 76.8



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: 11.395 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

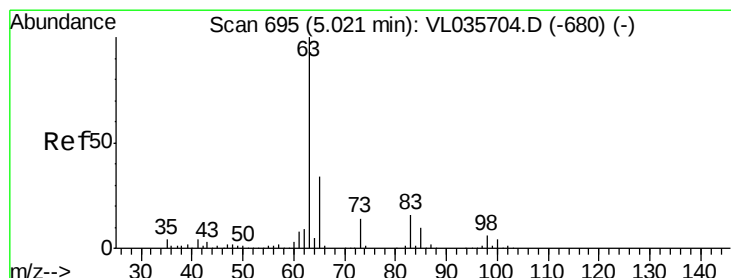
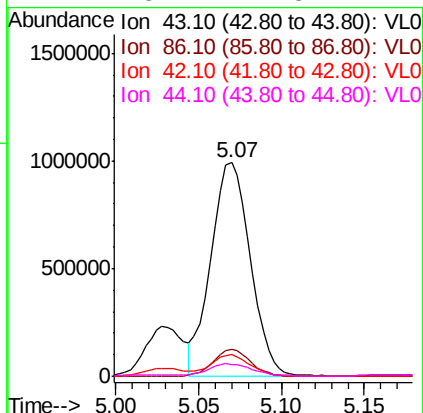
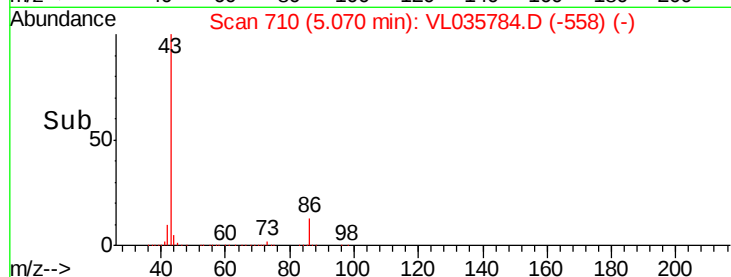
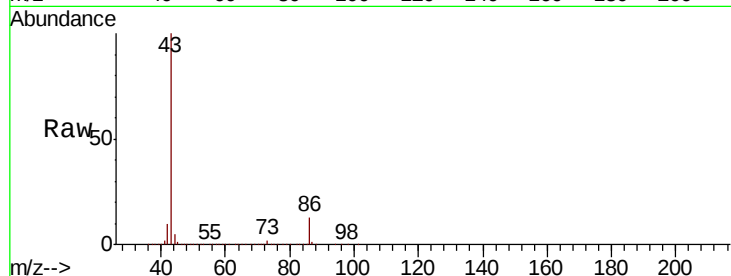
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1640147

Ion	Ratio	Lower	Upper
43	100		
86	12.5	9.7	14.5
42	10.1	7.9	11.9
44	5.2	4.8	7.2



#24

1,1-Dichloroethane

Concen: 10.145 ppbv

RT: 5.01 min Scan# 690

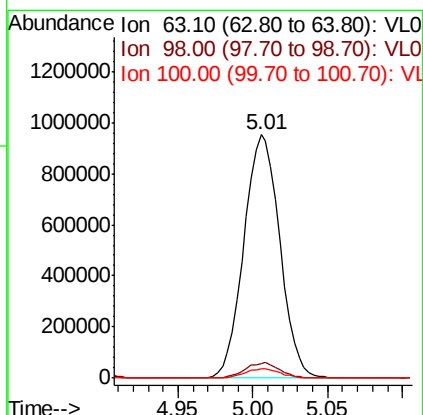
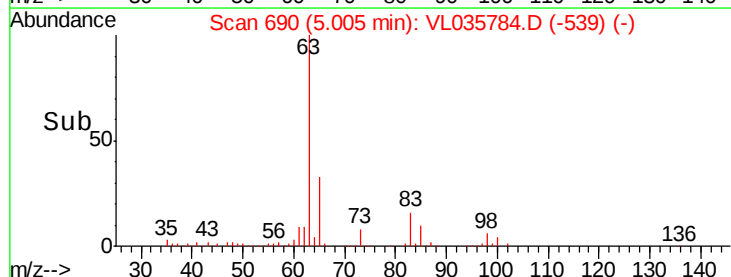
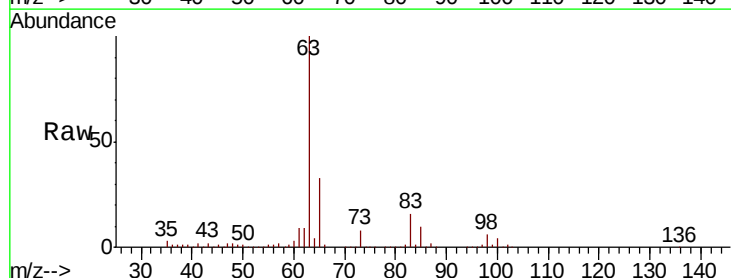
Delta R.T. -0.02 min

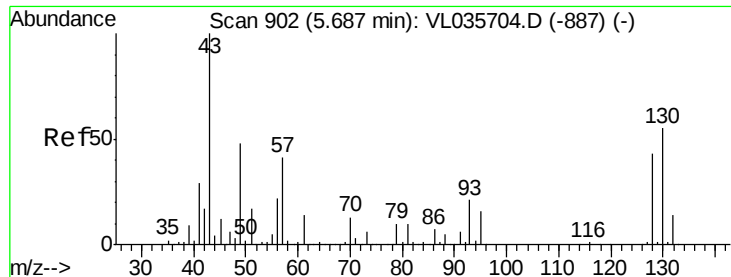
Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion: 63 Resp: 1590504

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	4.0	2.0	5.8



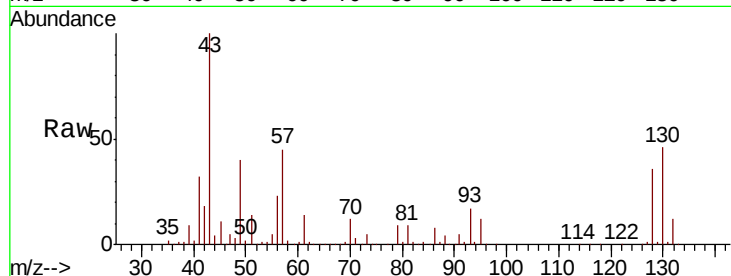


#25
Ethyl Acetate
Concen: 10.331 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2184567

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	13.0	10.4	15.6
70	10.9	8.9	13.3



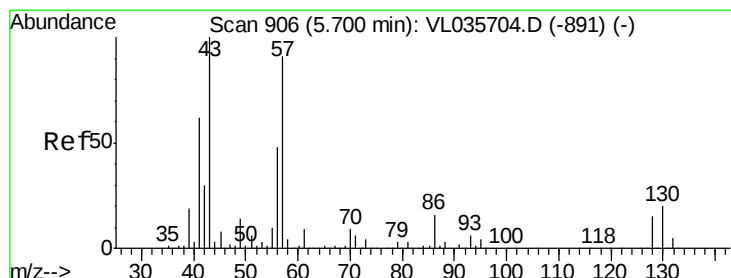
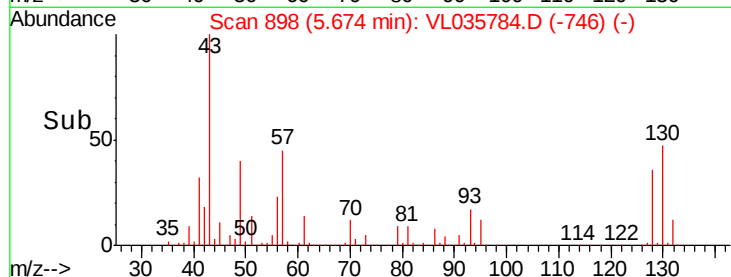
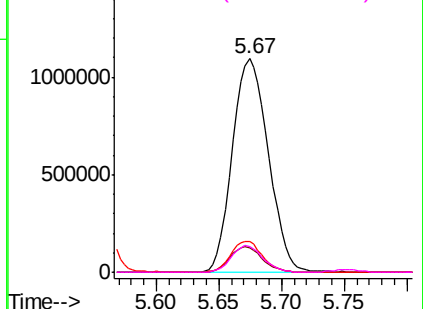
Abundance

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

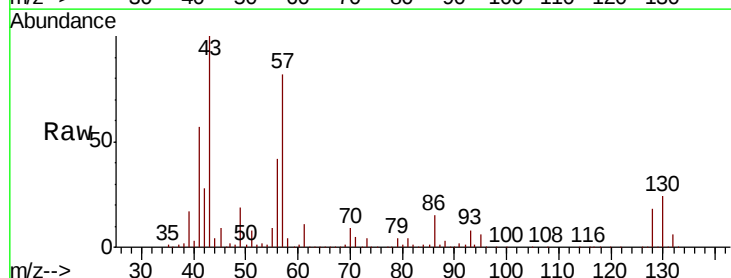
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.323 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 57 Resp: 1196129

Ion	Ratio	Lower	Upper
57	100		
41	73.4	57.9	86.9
43	183.0	143.8	215.6
56	52.7	43.0	64.6



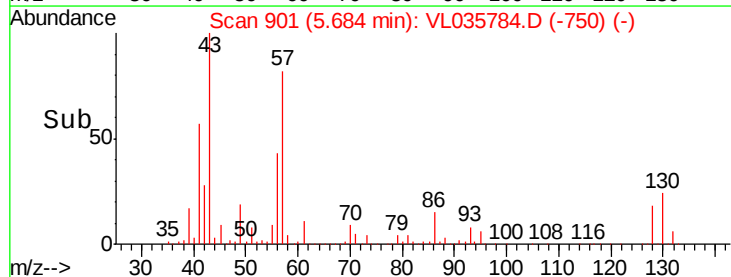
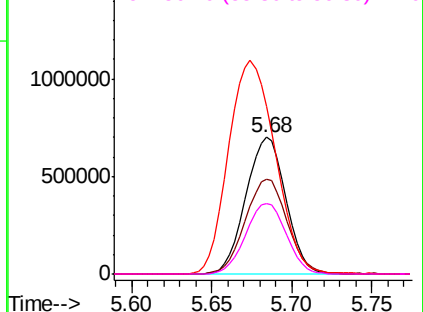
Abundance

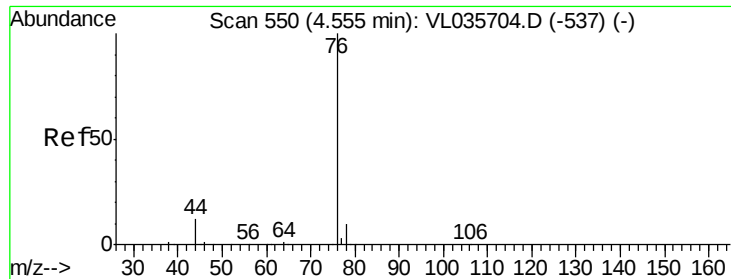
Ion 57.10 (56.80 to 57.80): VL0

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

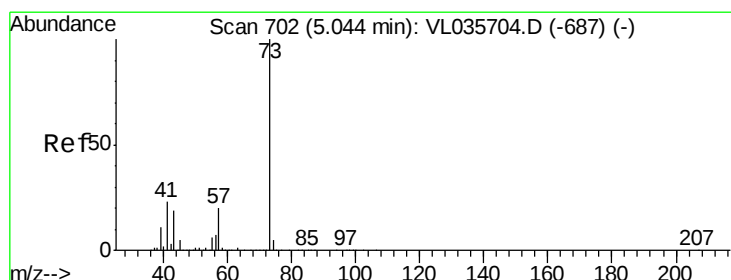
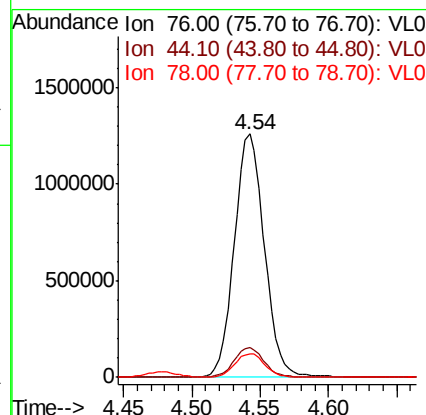
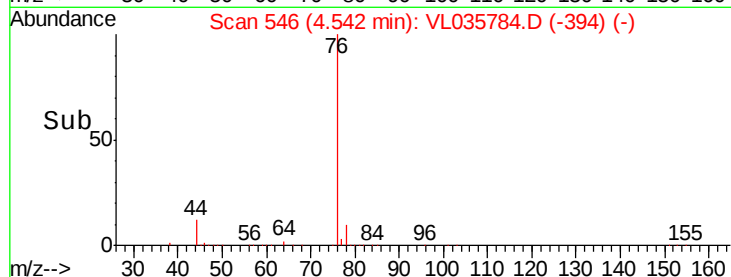
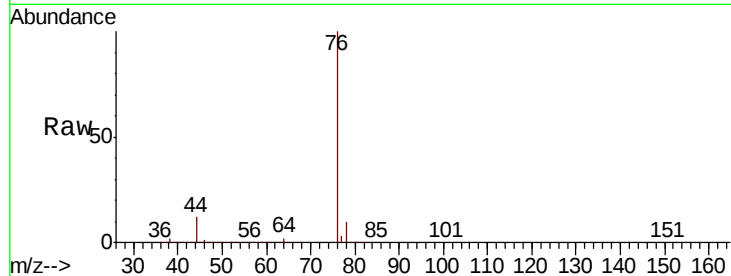




#27
Carbon Disulfide
Concen: 11.174 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

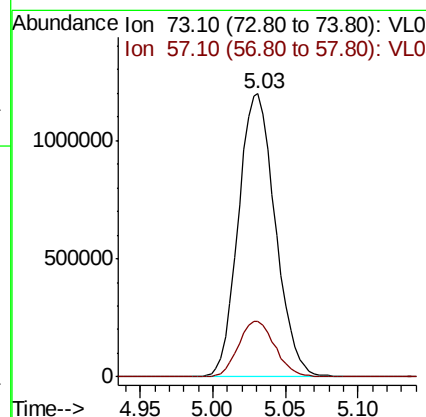
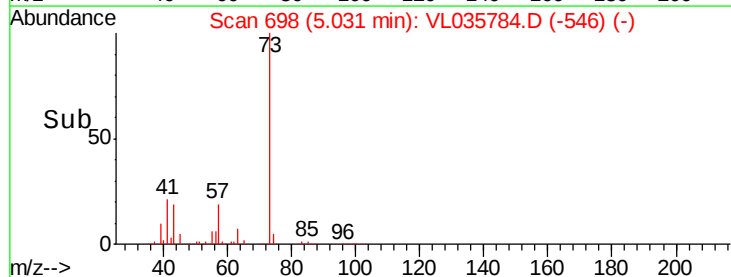
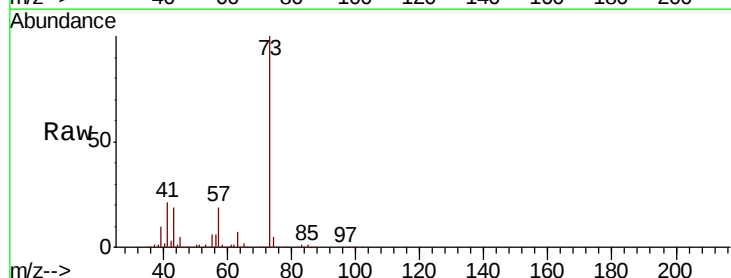
Instrument :
MSVOA_L
ClientSampleId :

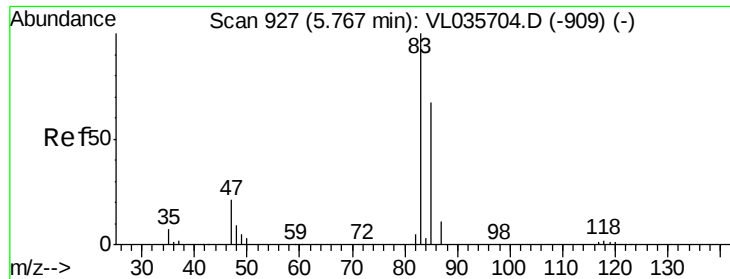
Tot Ion: 76 Resp: 1929757
Ion Ratio Lower Upper
76 100
44 12.1 9.7 14.5
78 9.6 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 11.525 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 73 Resp: 2116786
Ion Ratio Lower Upper
73 100
57 19.7 15.6 23.4

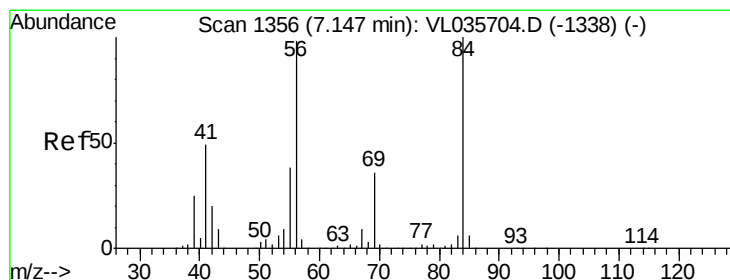
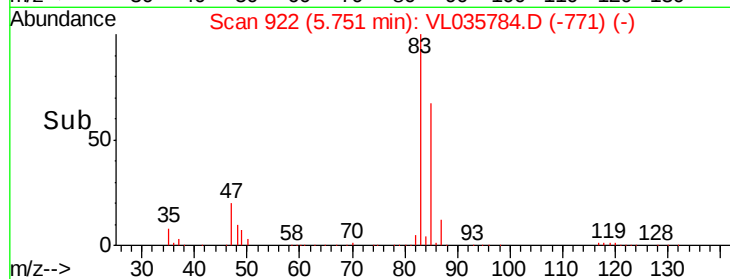
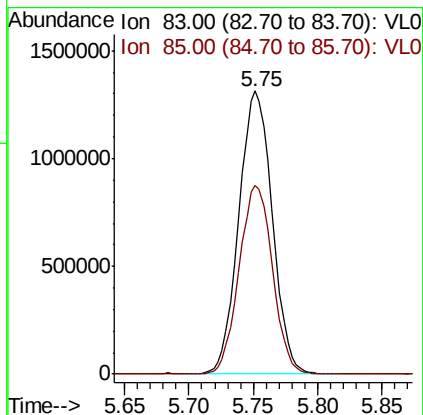
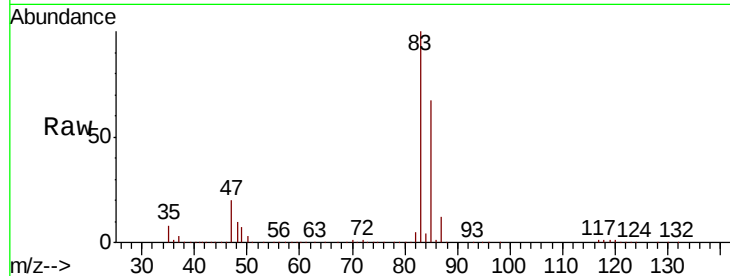




#29
Chloroform
Concen: 10.088 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

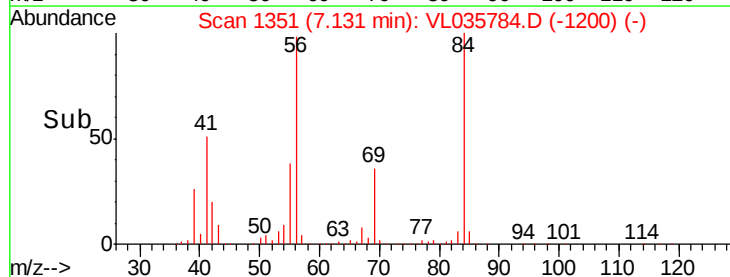
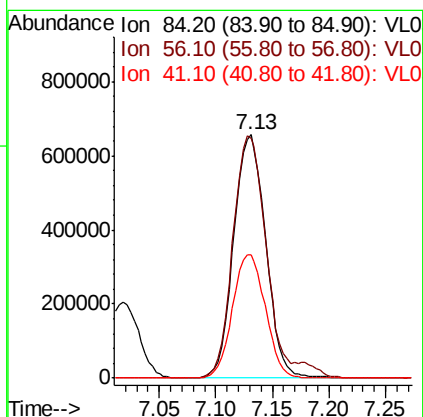
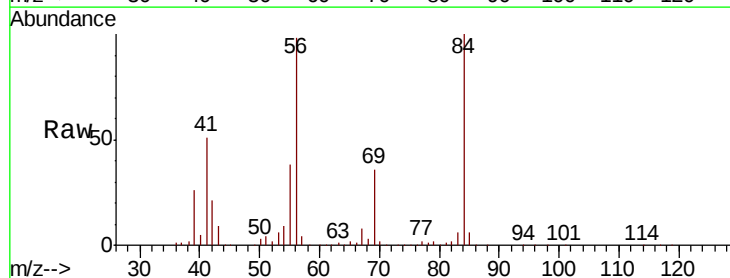
Instrument :
MSVOA_L
ClientSampled :

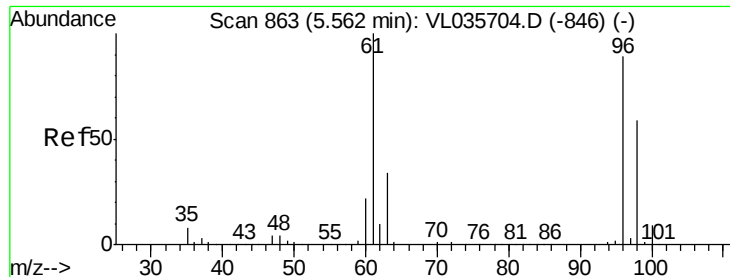
Tot Ion: 83 Resp: 2373856
Ion Ratio Lower Upper
83 100
85 66.6 54.0 81.0



#30
Cyclohexane
Concen: 11.362 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 84 Resp: 1298879
Ion Ratio Lower Upper
84 100
56 106.4 84.6 127.0
41 52.2 41.1 61.7



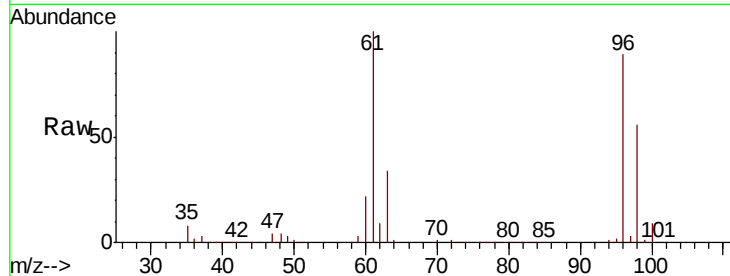


#31

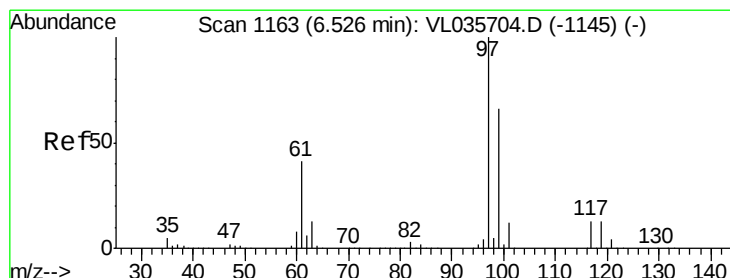
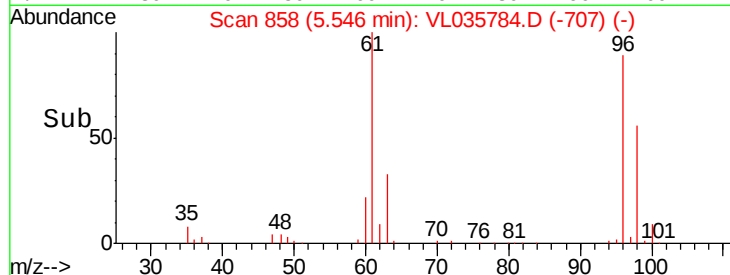
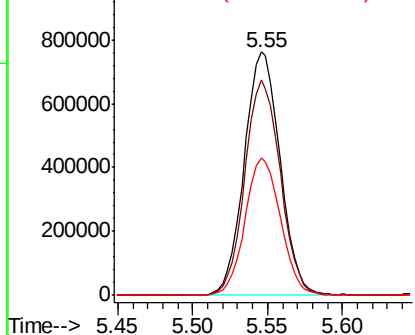
cis-1,2-Dichloroethene
 Concen: 11.356 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1270166
 Ion Ratio Lower Upper
 61 100
 96 88.6 71.4 107.2
 98 56.2 47.4 71.2



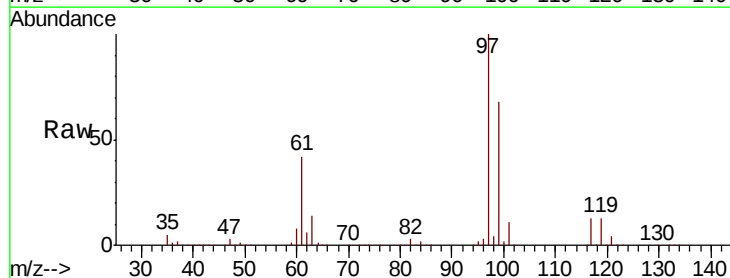
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



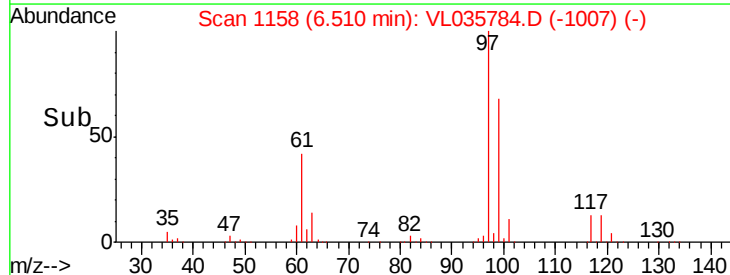
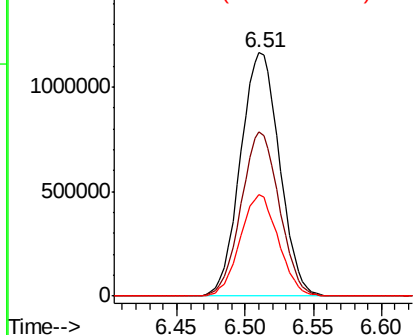
#32

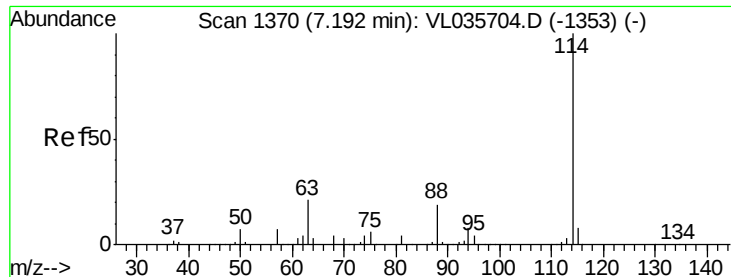
1,1,1-Trichloroethane
 Concen: 11.155 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 97 Resp: 2313846
 Ion Ratio Lower Upper
 97 100
 99 66.1 52.7 79.1
 61 40.9 32.7 49.1



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

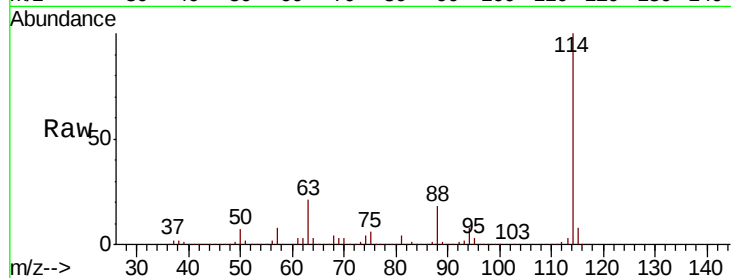
Tot Ion:114 Resp: 4182380

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

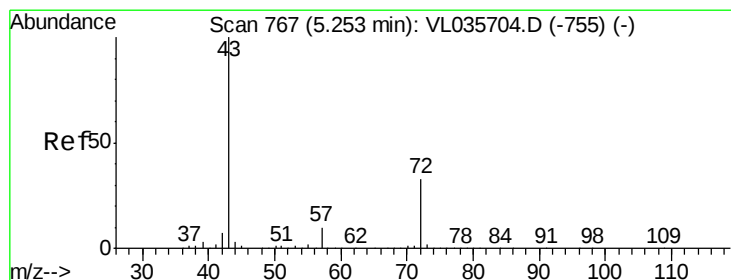
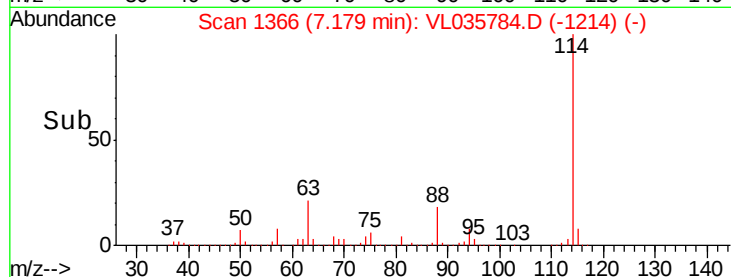
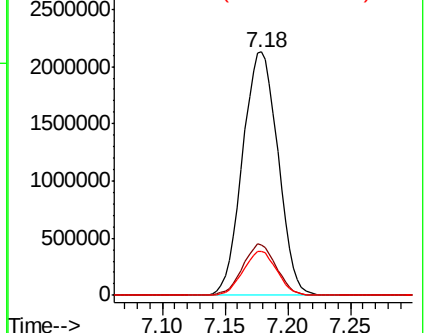
88 17.3 14.1 21.1



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: 10.819 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.01 min

Lab File: VL035784.D

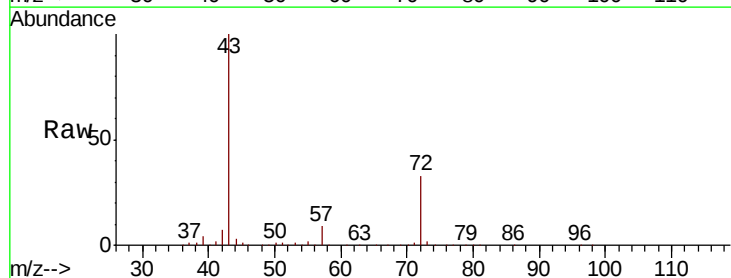
Acq: 16 Oct 2020 13:17

Tgt Ion: 43 Resp: 1496664

Ion Ratio Lower Upper

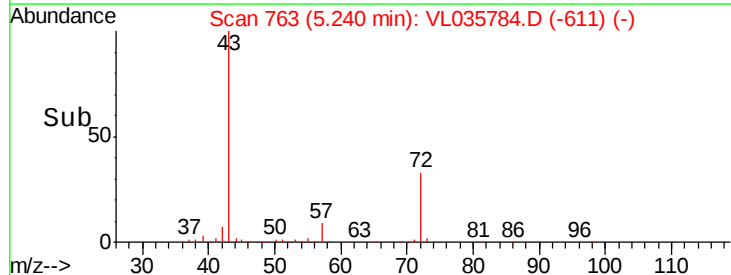
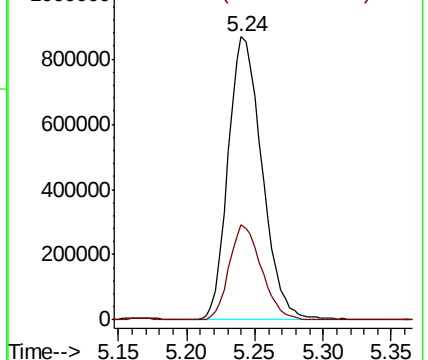
43 100

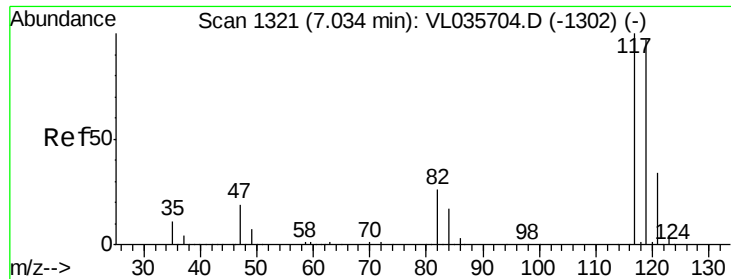
72 32.4 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.879 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

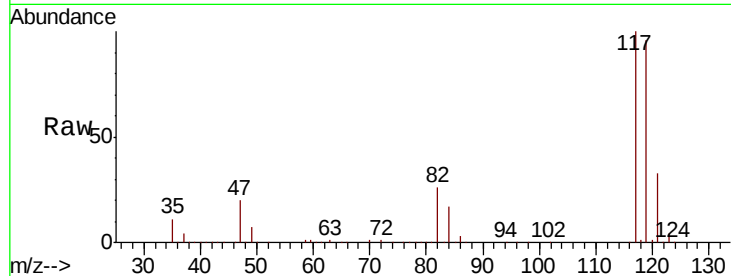
Tot Ion:117 Resp: 2372298

Ion Ratio Lower Upper

117 100

119 96.4 77.7 116.5

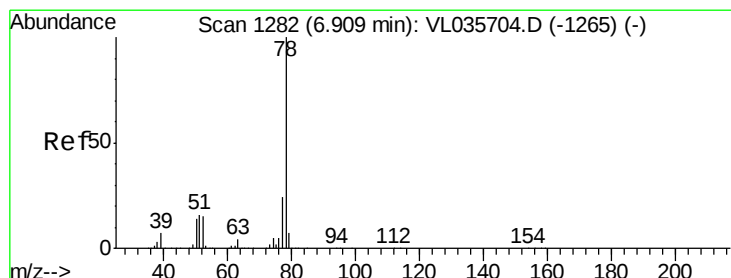
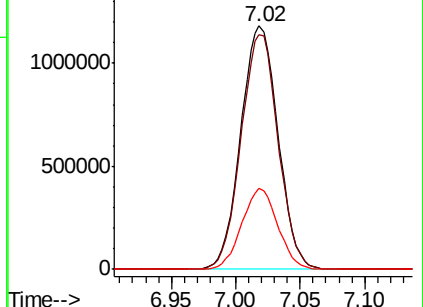
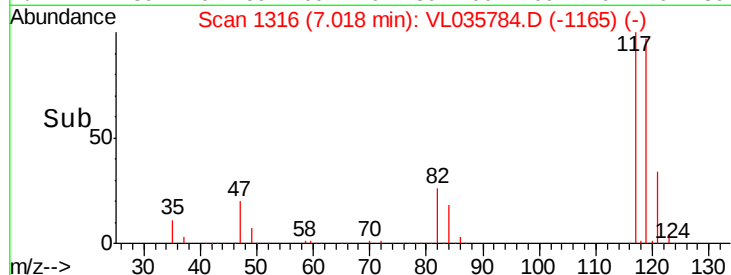
121 33.5 26.9 40.3



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: 10.974 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

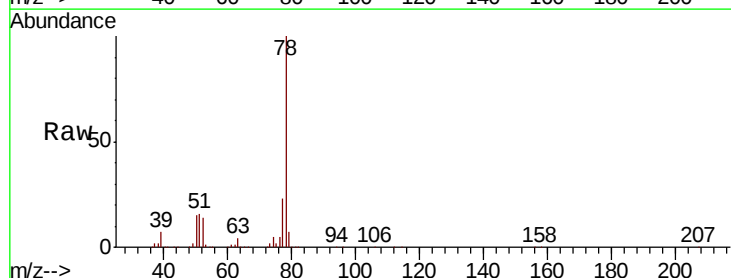
Tgt Ion: 78 Resp: 2990759

Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

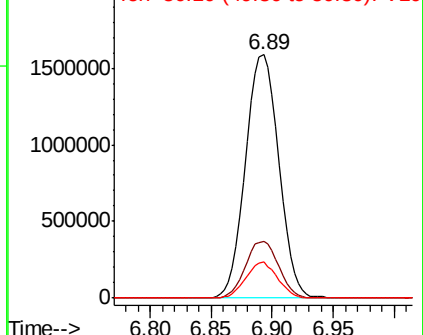
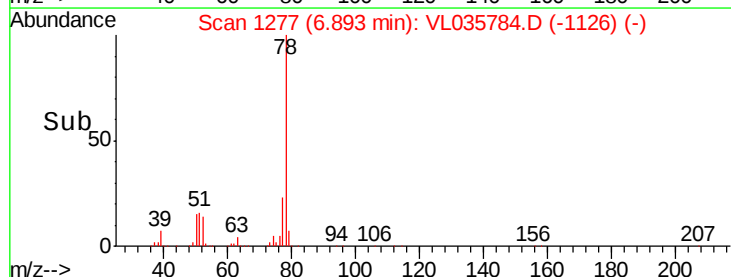
50 14.9 11.6 17.4

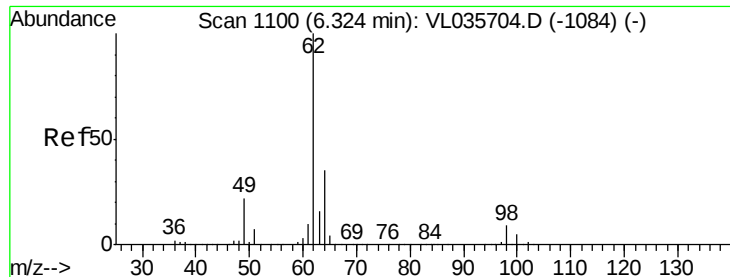


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

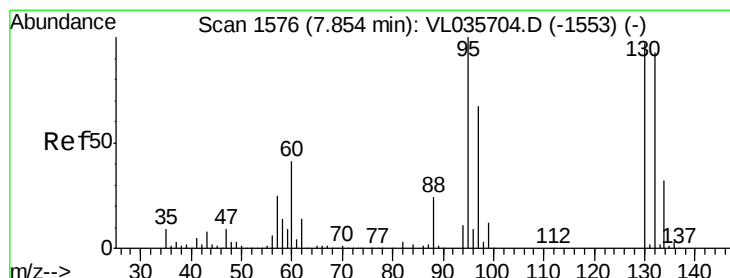
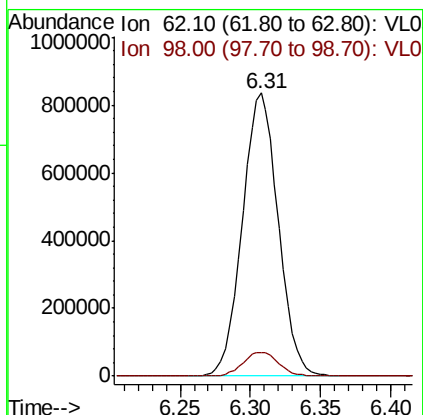
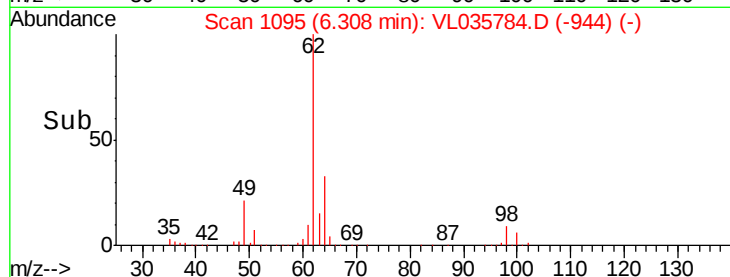
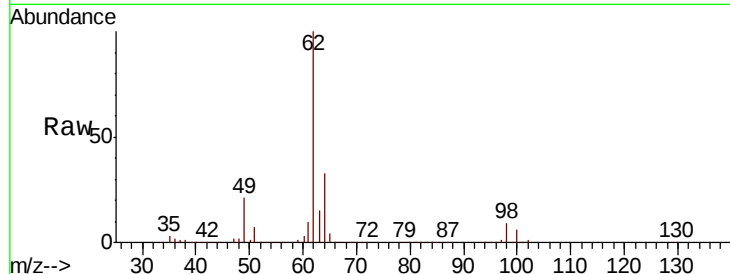




#37
 1,2-Dichloroethane
 Concen: 10.454 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

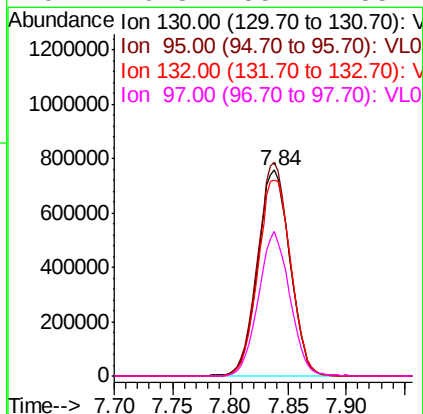
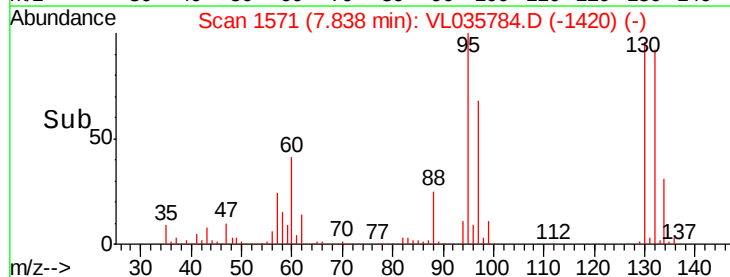
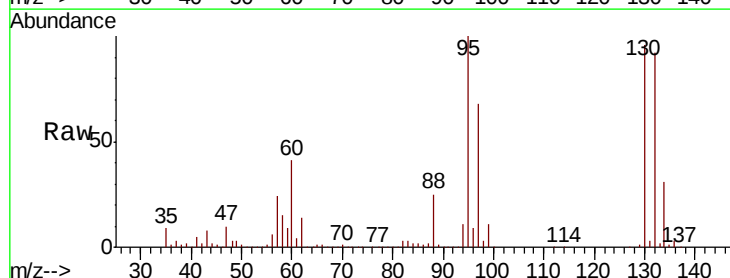
Instrument :
 MSVOA_L
 ClientSampleId :

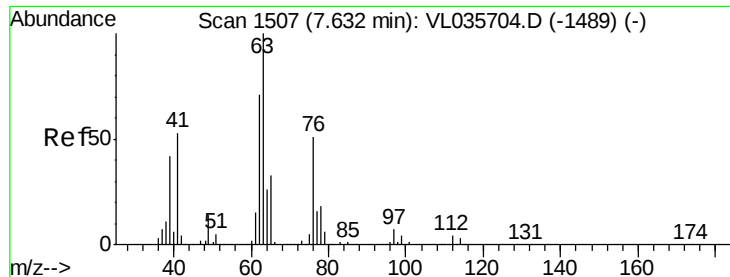
Tot Ion: 62 Resp: 1484827
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.9 10.3



#38
 Trichloroethene
 Concen: 10.833 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 130 Resp: 1472682
 Ion Ratio Lower Upper
 130 100
 95 104.0 82.4 123.6
 132 95.5 76.8 115.2
 97 70.3 55.4 83.2



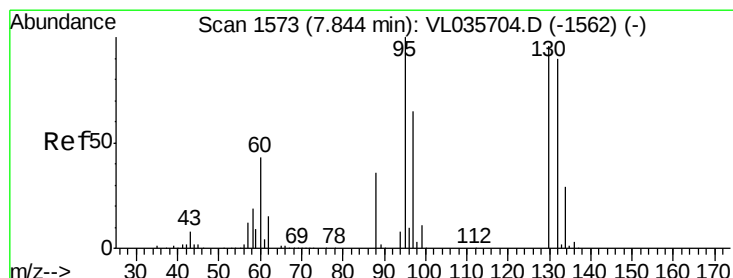
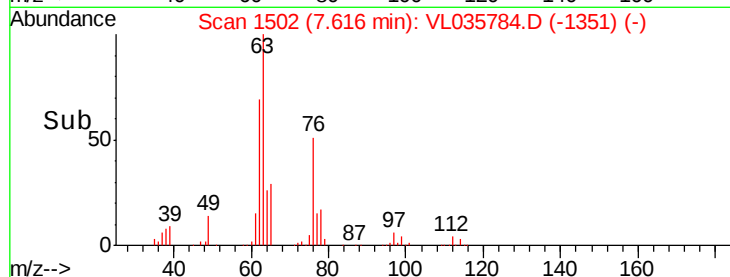
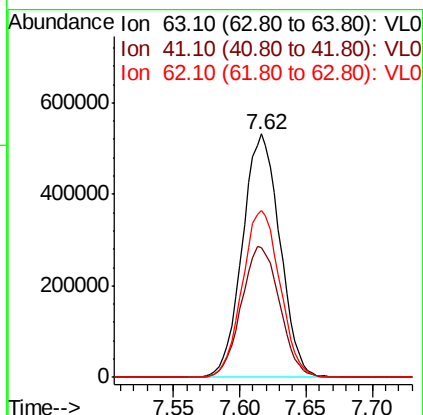
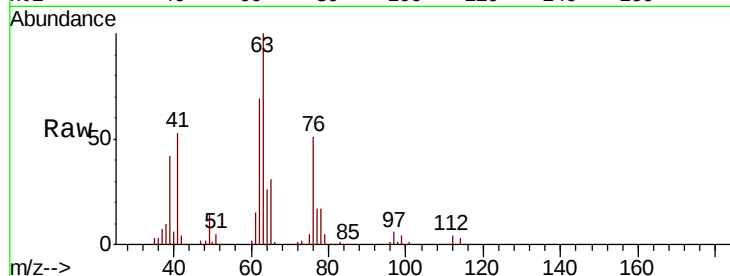


#39
 1,2-Dichloropropane
 Concen: 10.563 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1043367

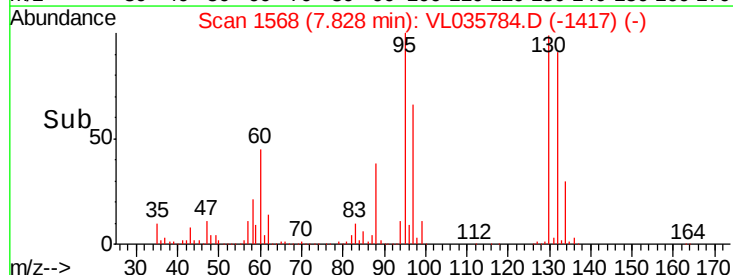
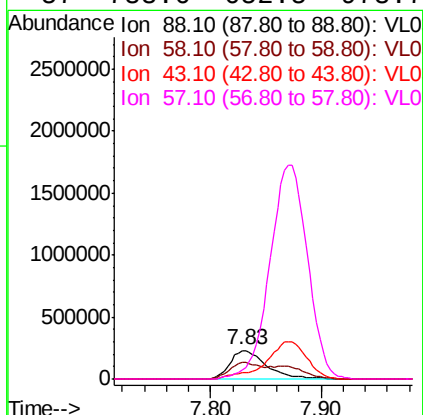
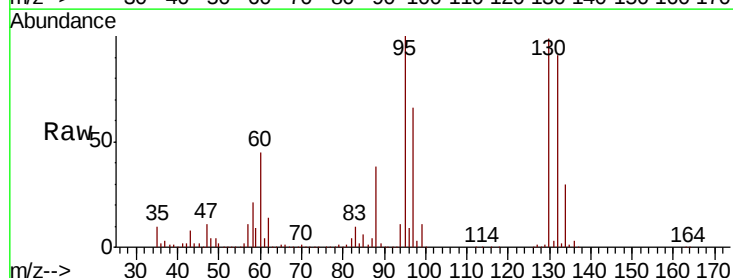
Ion	Ratio	Lower	Upper
63	100		
41	53.0	42.6	63.8
62	68.7	56.5	84.7

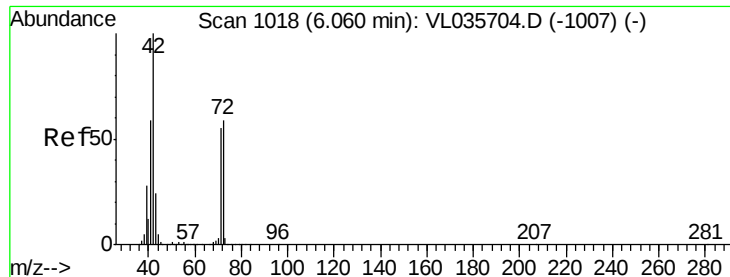


#40
 1,4-Dioxane
 Concen: 11.491 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 88 Resp: 519074

Ion	Ratio	Lower	Upper
88	100		
58	94.5	76.2	114.4
43	149.6	123.4	185.2
57	788.6	652.5	978.7





#41

Tetrahydrofuran

Concen: 12.171 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

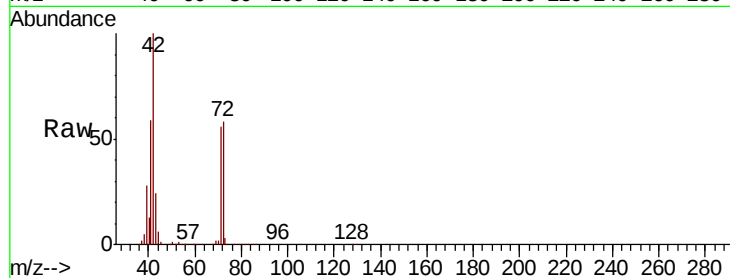
Tot Ion: 42 Resp: 848209

Ion Ratio Lower Upper

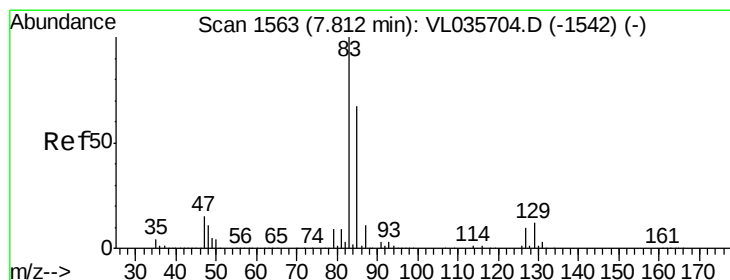
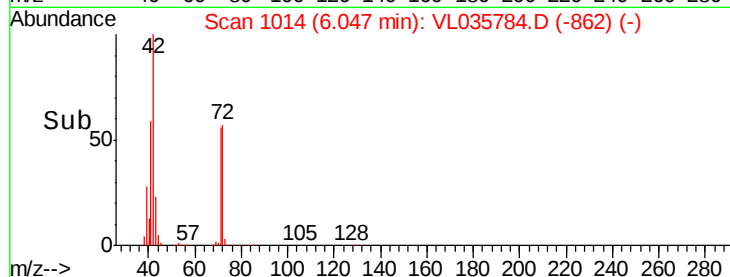
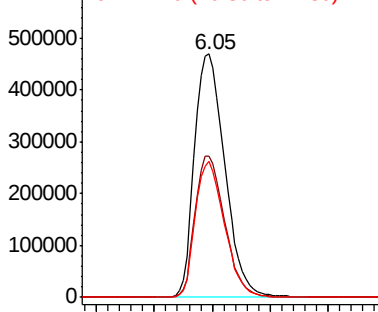
42 100

72 56.8 46.2 69.4

71 53.9 44.2 66.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.896 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

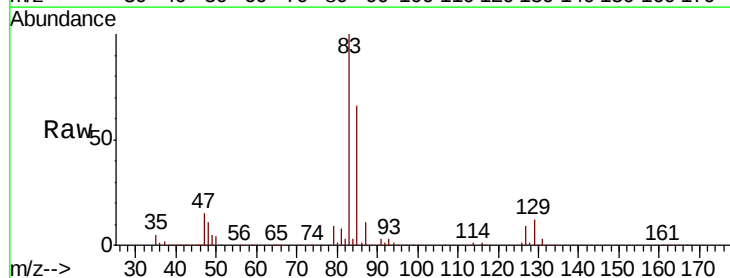
Tgt Ion: 83 Resp: 2493009

Ion Ratio Lower Upper

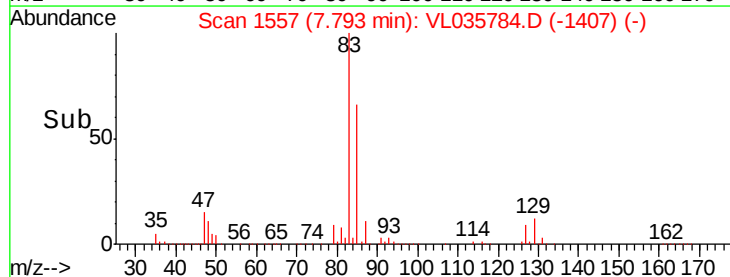
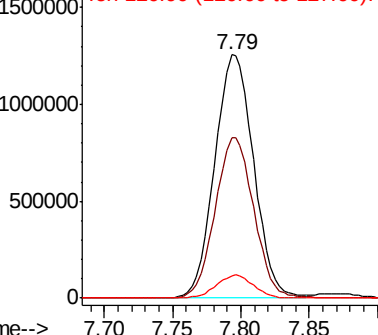
83 100

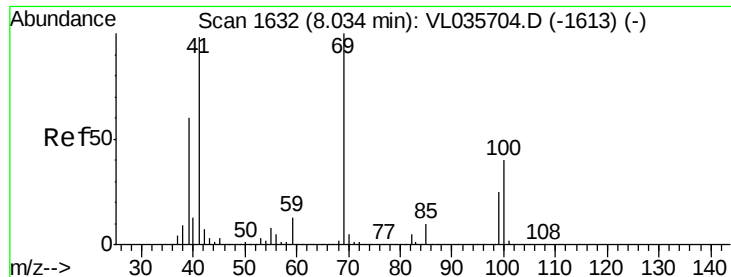
85 65.8 53.4 80.0

127 9.1 7.8 11.6



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

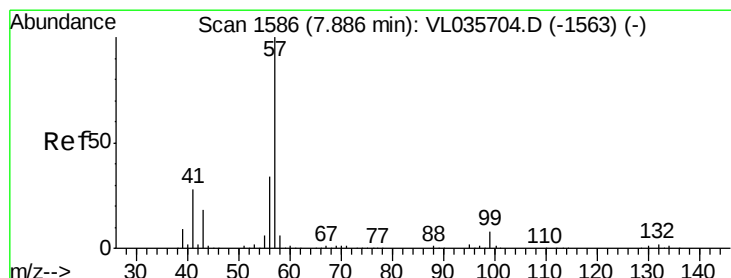
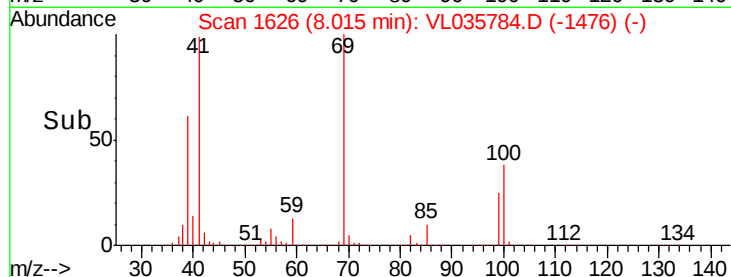
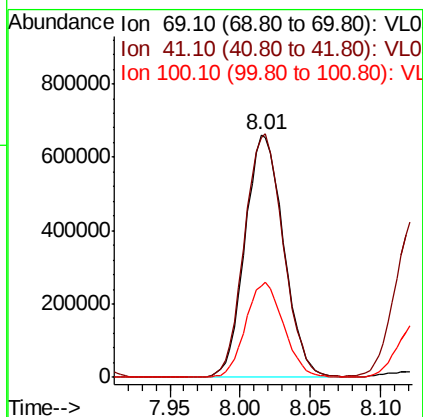
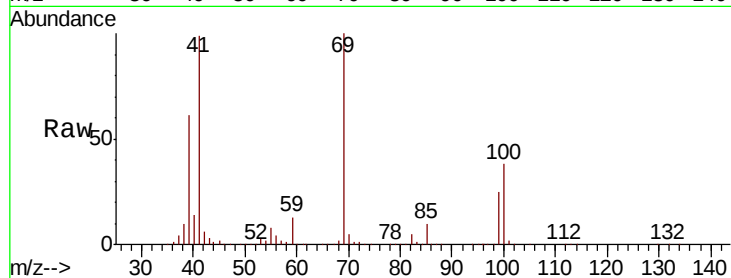




#43
Methyl Methacrylate
Concen: 11.697 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

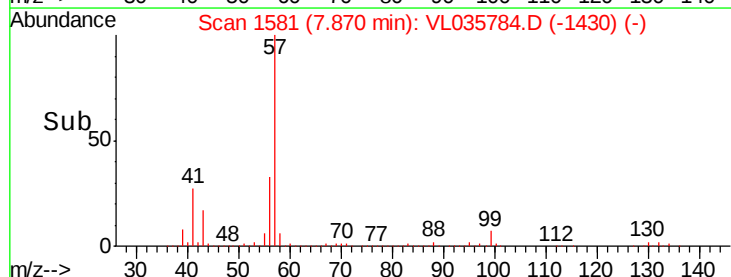
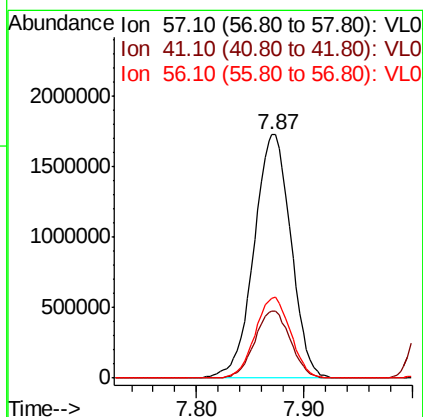
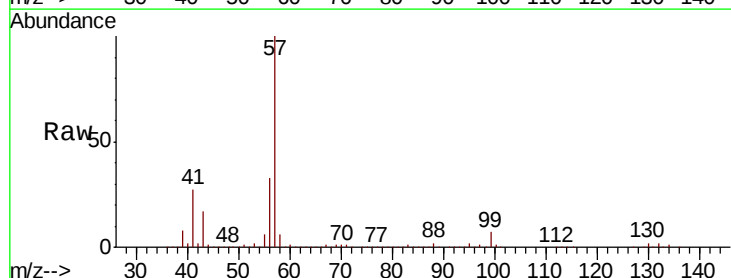
Instrument :
MSVOA_L
ClientSampled :

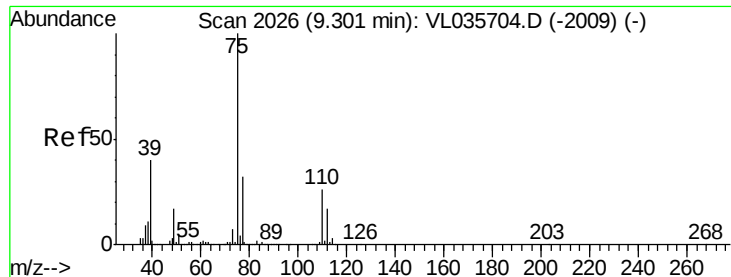
Tot Ion: 69 Resp: 1267790
Ion Ratio Lower Upper
69 100
41 101.1 79.8 119.6
100 38.4 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 10.453 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 57 Resp: 4087801
Ion Ratio Lower Upper
57 100
41 26.7 21.2 31.8
56 31.9 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 13.077 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

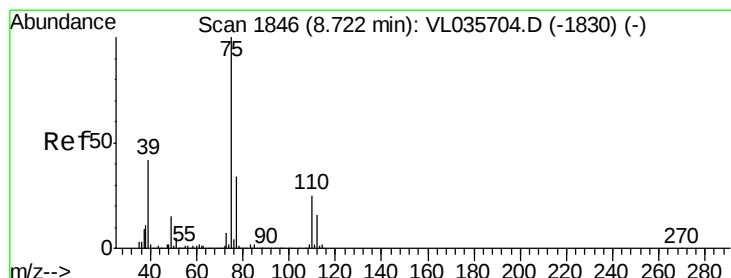
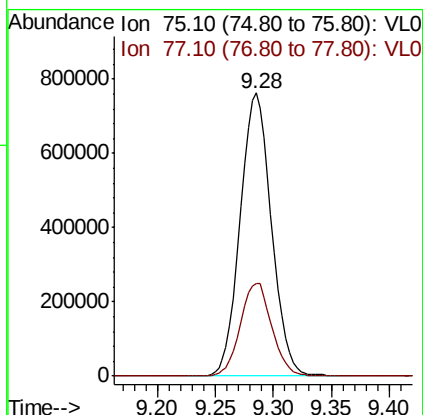
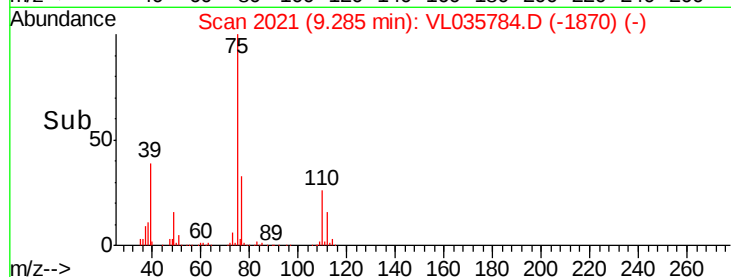
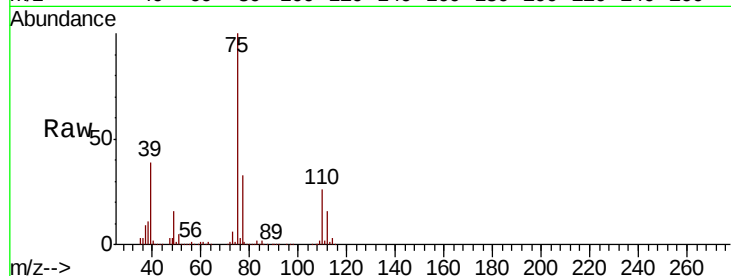
ClientSampled :

Tot Ion: 75 Resp: 1431045

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 12.571 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

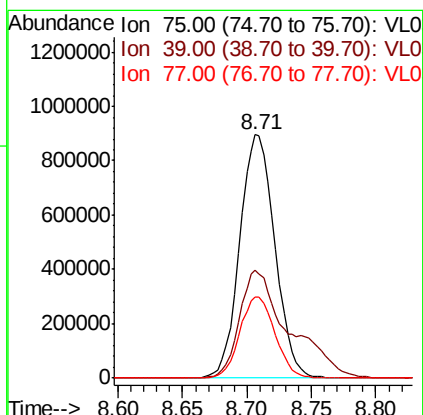
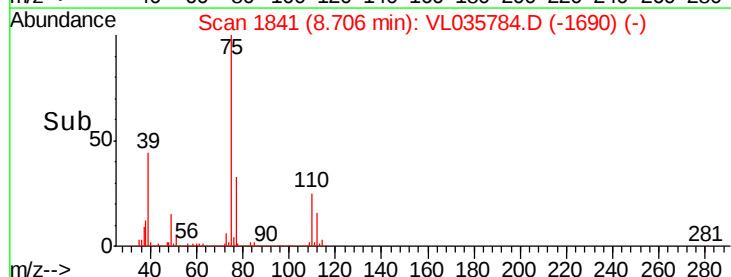
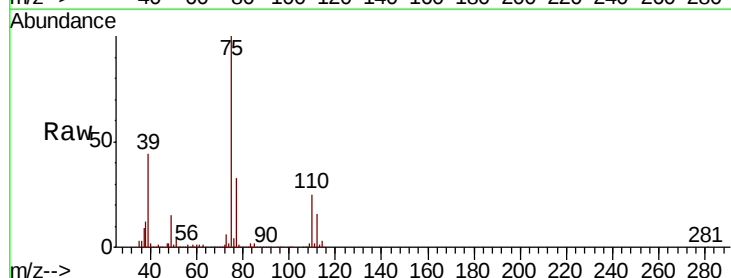
Tgt Ion: 75 Resp: 1695694

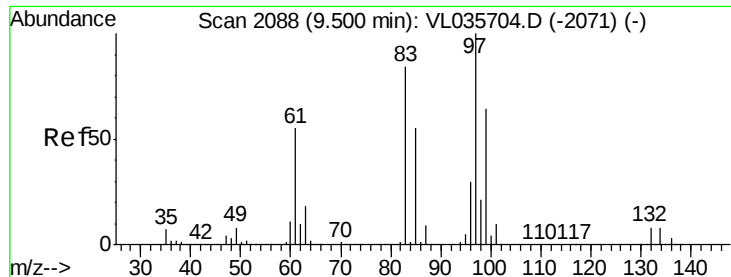
Ion Ratio Lower Upper

75 100

39 44.2 33.9 50.9

77 33.2 27.4 41.0



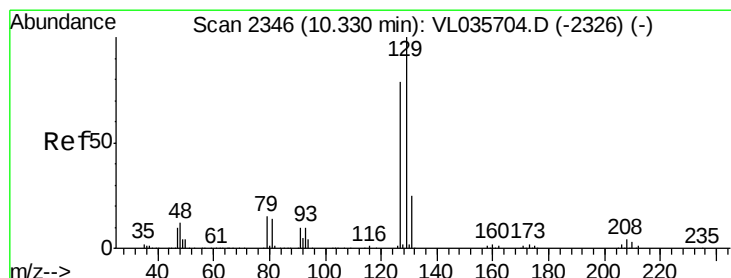
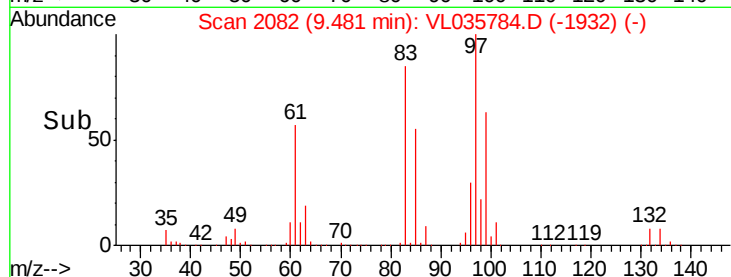
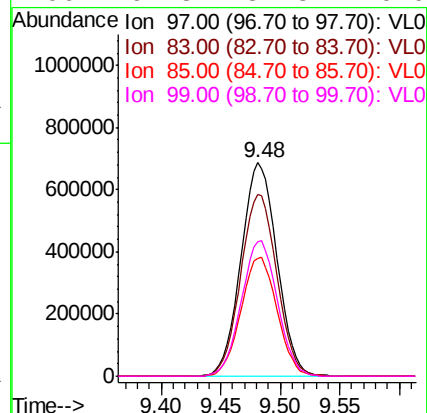
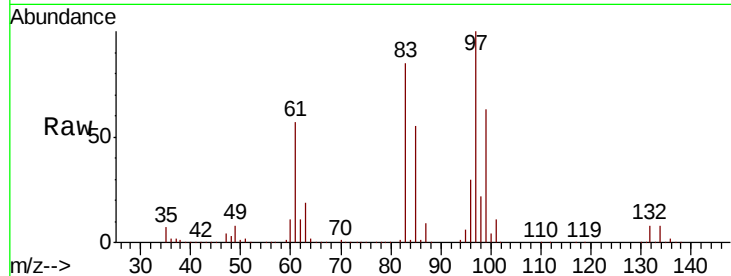


#47
 1,1,2-Trichloroethane
 Concen: 10.166 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1438308

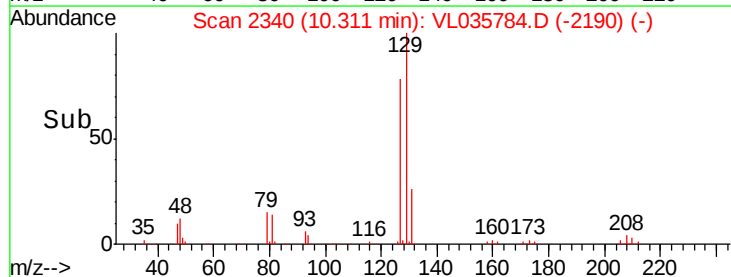
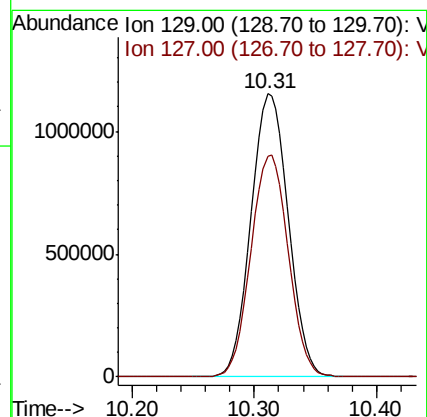
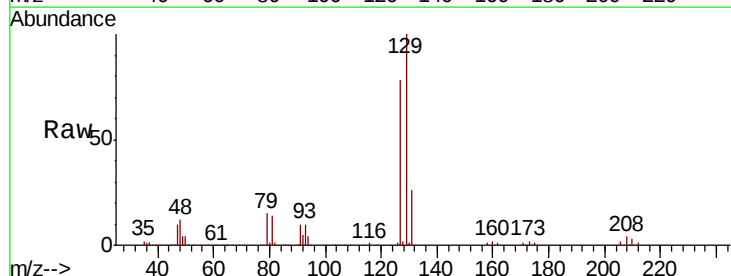
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.1	100.7
85	55.3	43.9	65.9
99	62.8	51.3	76.9

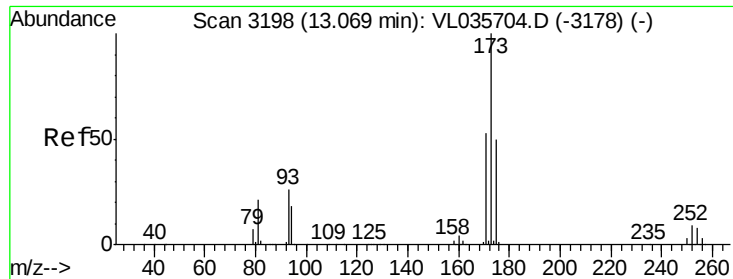


#48
 Dibromochloromethane
 Concen: 11.337 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 129 Resp: 2441232

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.4	118.1





#49

Bromoform

Concen: 11.841 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

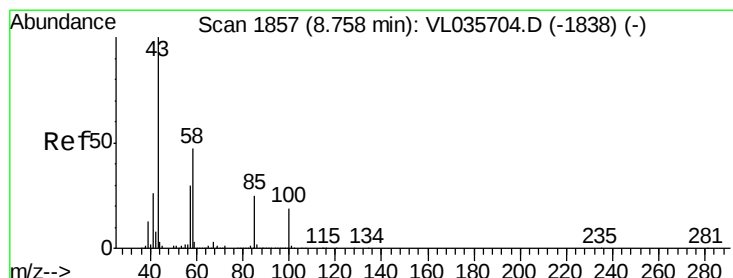
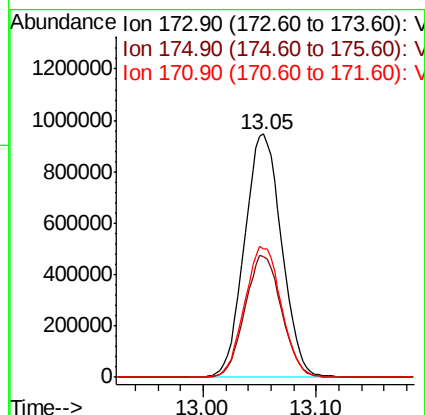
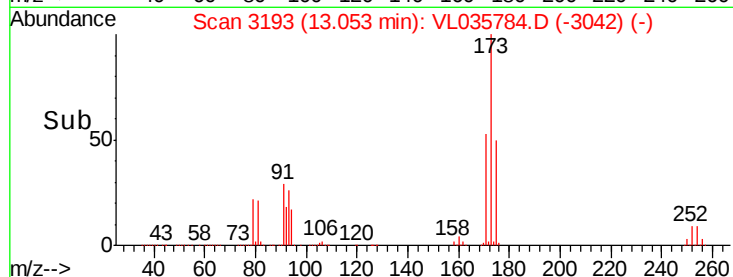
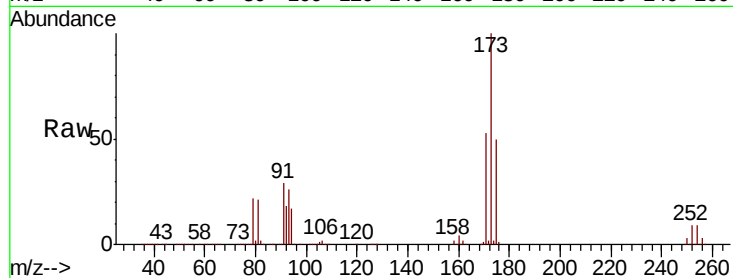
Tot Ion:173 Resp: 2163398

Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.6

171 53.5 42.8 64.2



#50

4-Methyl-2-Pentanone

Concen: 11.008 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL035784.D

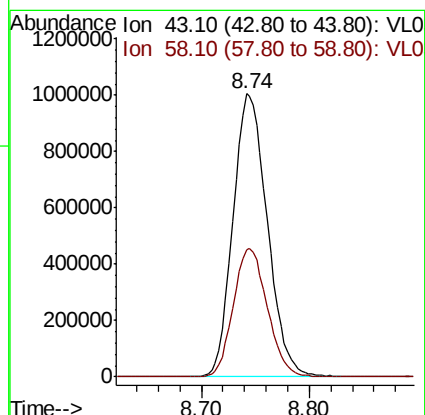
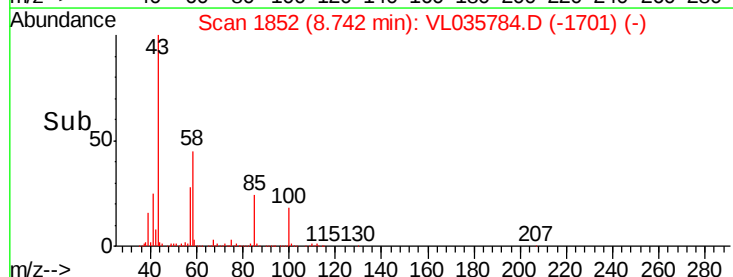
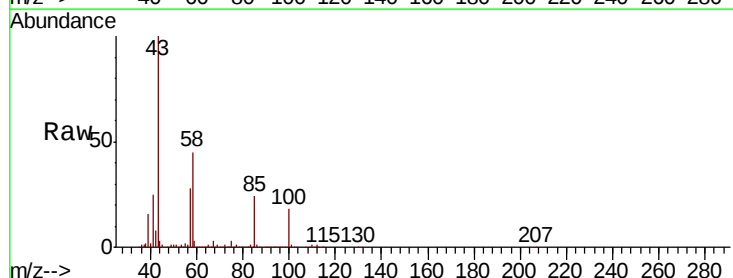
Acq: 16 Oct 2020 13:17

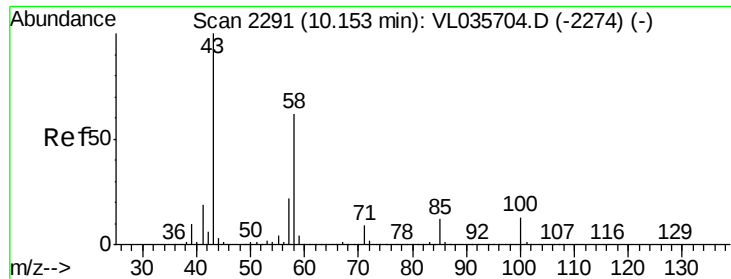
Tgt Ion: 43 Resp: 2224251

Ion Ratio Lower Upper

43 100

58 45.2 36.6 54.8

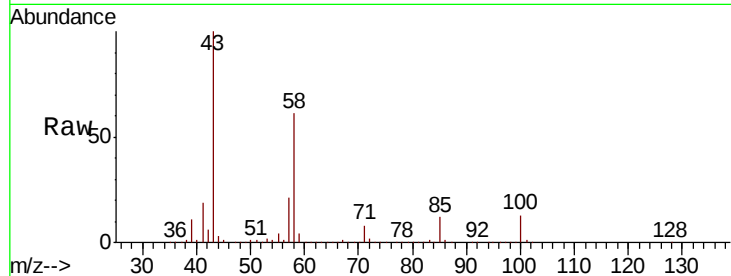




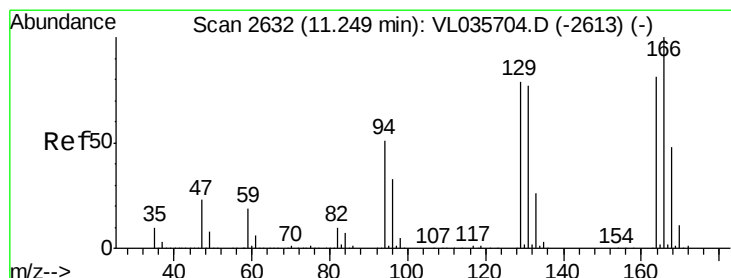
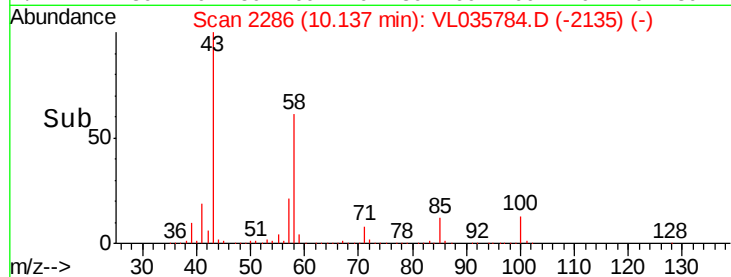
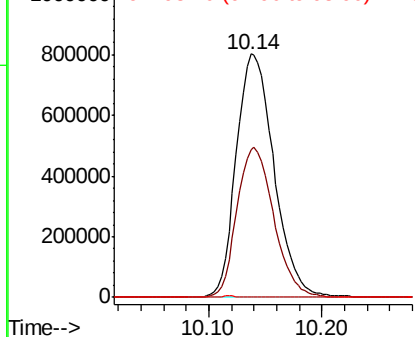
#51
2-Hexanone
Concen: 11.444 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 1862925
Ion Ratio Lower Upper
43 100
58 60.5 48.7 73.1
98 0.7 0.7 1.1#

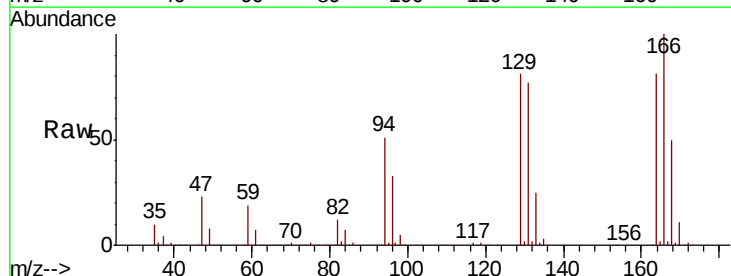


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

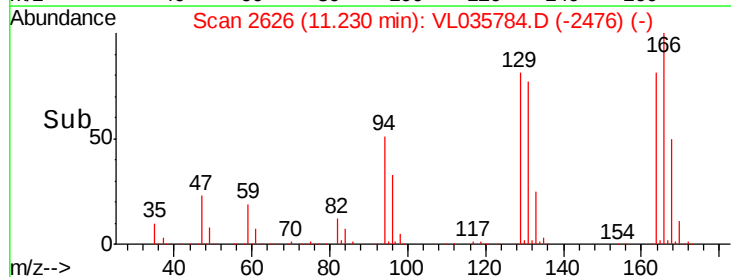
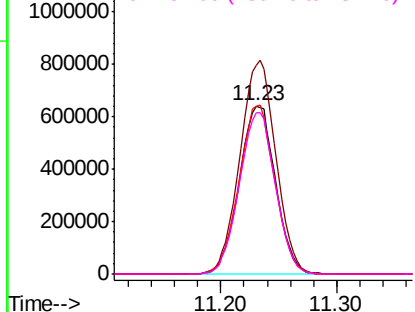


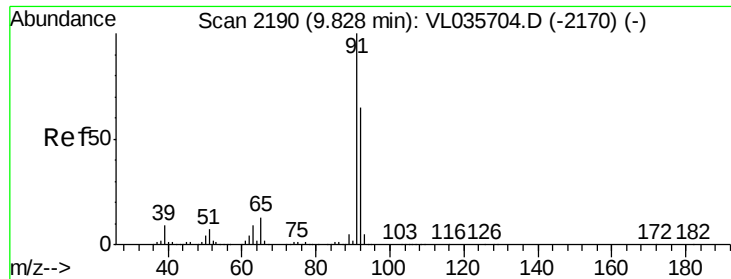
#52
Tetrachloroethene
Concen: 10.646 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion:164 Resp: 1395190
Ion Ratio Lower Upper
164 100
166 124.2 98.7 148.1
129 100.1 78.4 117.6
131 96.1 76.2 114.2



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: 11.627 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

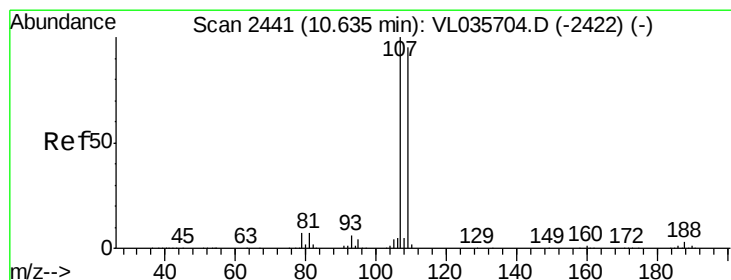
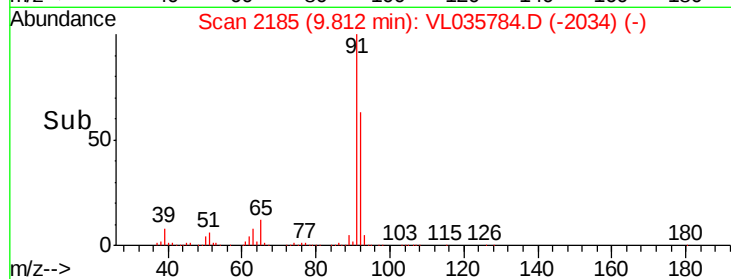
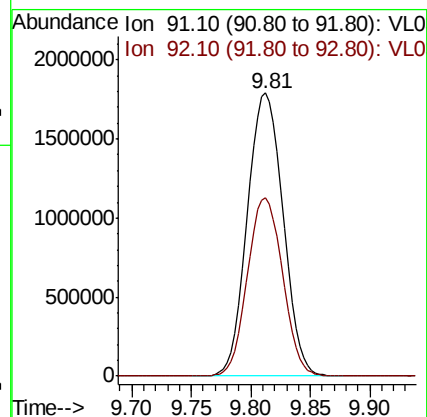
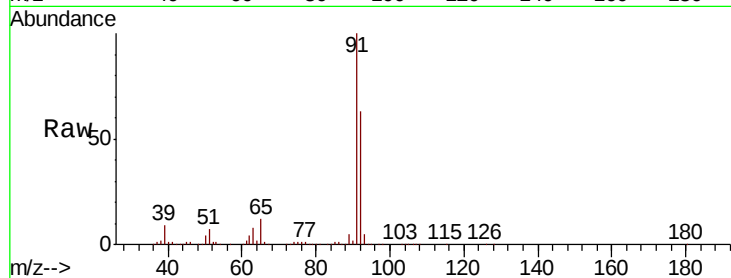
ClientSampleId :

Tot Ion: 91 Resp: 3736460

Ion Ratio Lower Upper

91 100

92 62.2 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.637 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035784.D

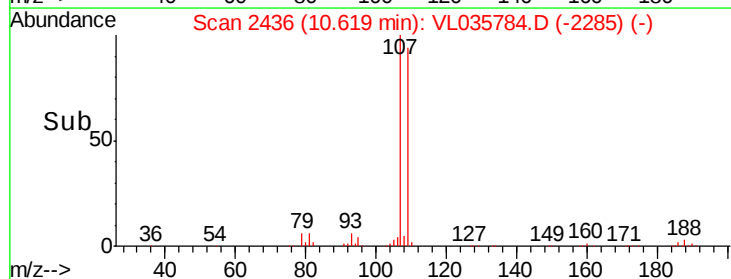
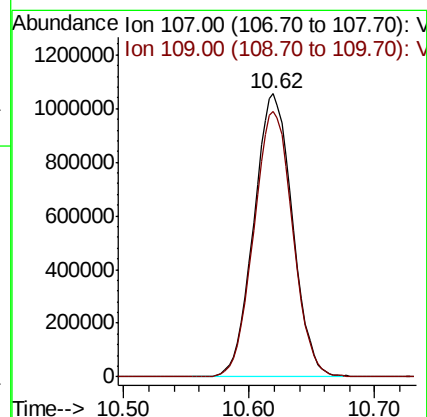
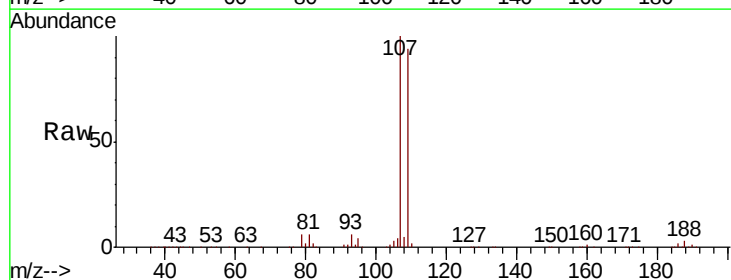
Acq: 16 Oct 2020 13:17

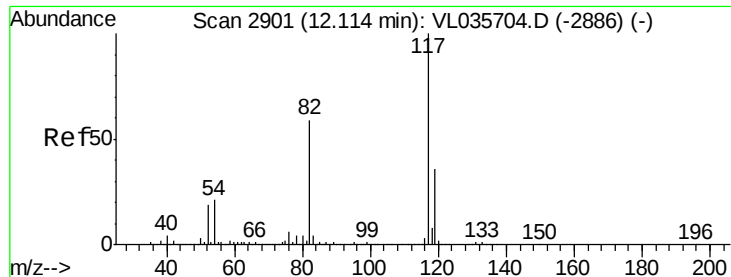
Tgt Ion: 107 Resp: 2253478

Ion Ratio Lower Upper

107 100

109 93.6 76.0 114.0

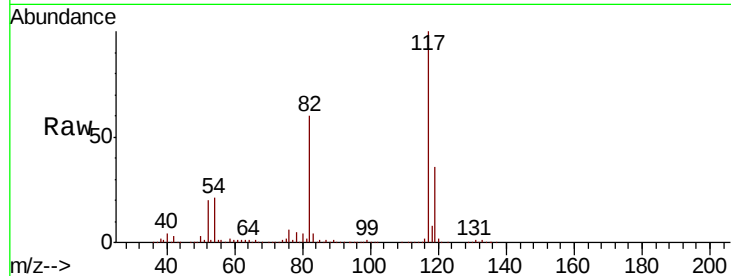




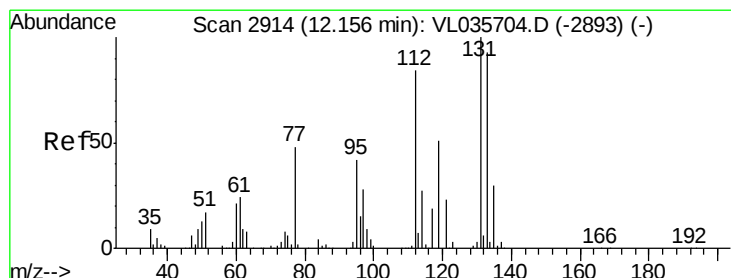
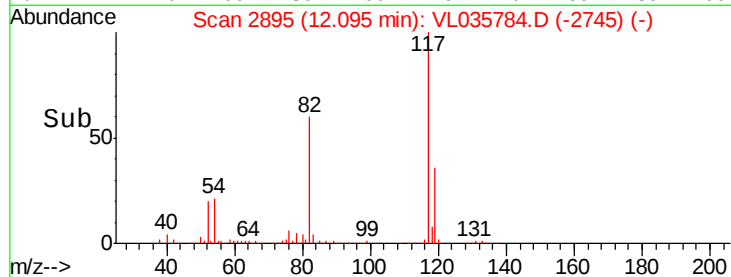
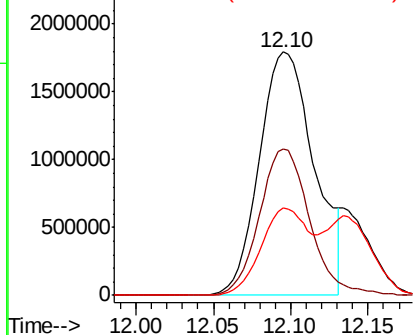
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 4449448
Ion Ratio Lower Upper
117 100
82 55.0 46.1 69.1
119 30.1 28.0 42.0

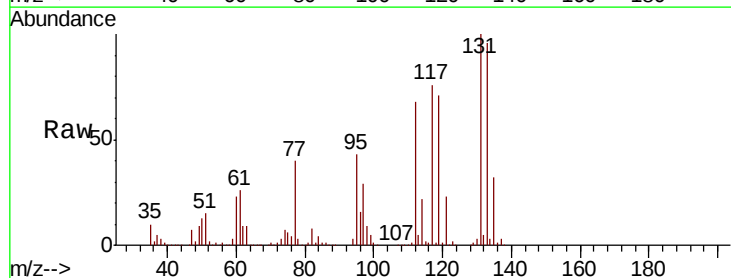


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

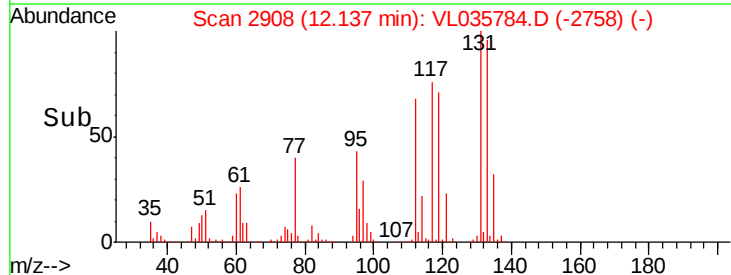
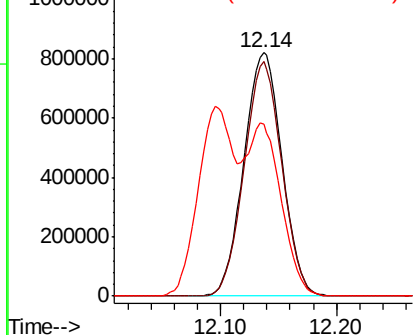


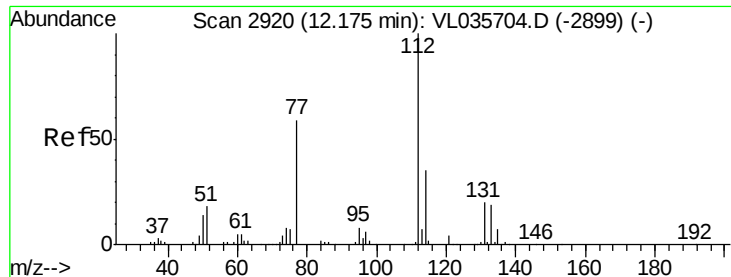
#56
1,1,1,2-Tetrachloroethane
Concen: 10.058 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion:131 Resp: 1876573
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 59.3 52.4 78.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

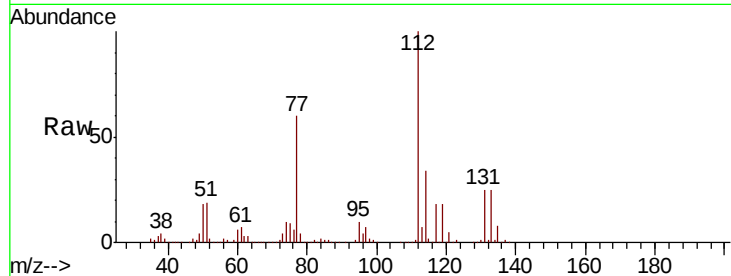




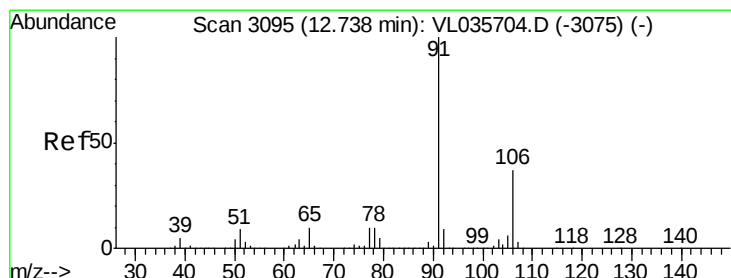
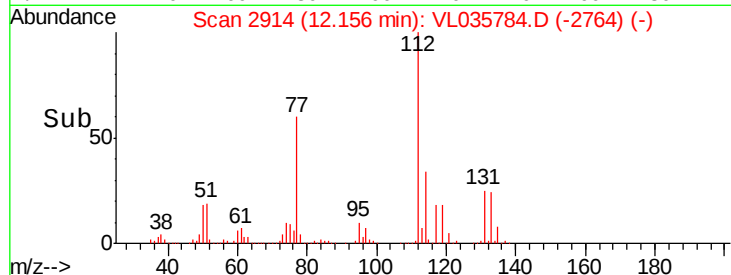
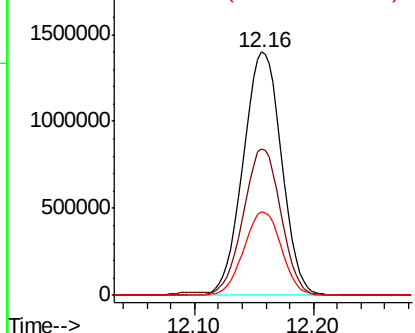
#57
Chlorobenzene
Concen: 9.301 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3125873
Ion Ratio Lower Upper
112 100
77 60.0 48.2 72.2
114 34.5 31.9 39.1

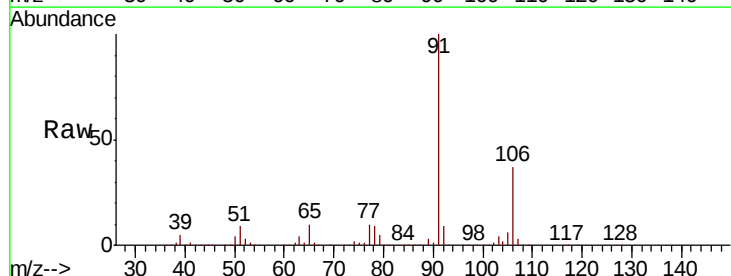


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

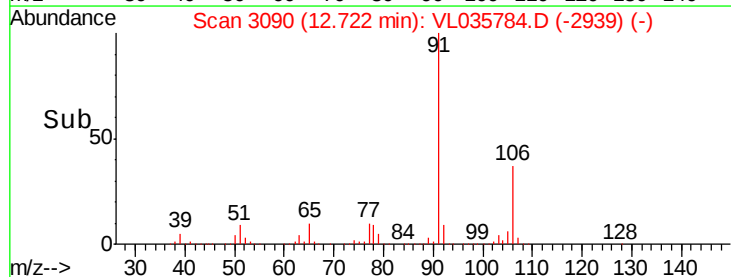
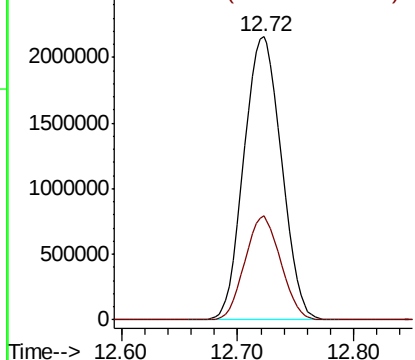


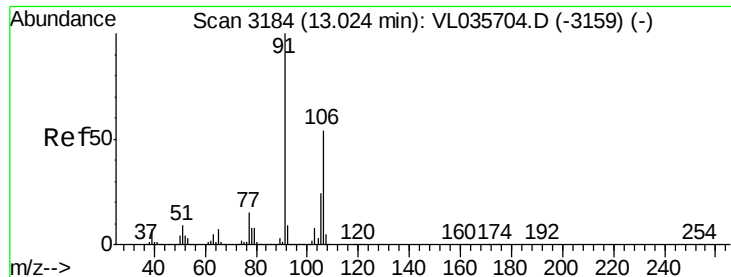
#58
Ethyl Benzene
Concen: 10.894 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 91 Resp: 4864909
Ion Ratio Lower Upper
91 100
106 36.7 29.7 44.5



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

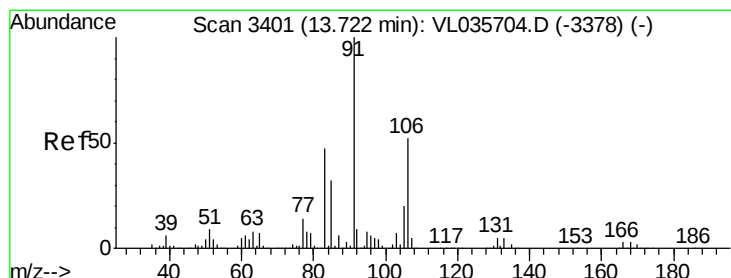
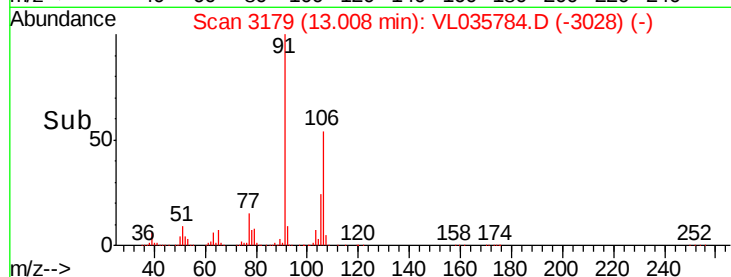
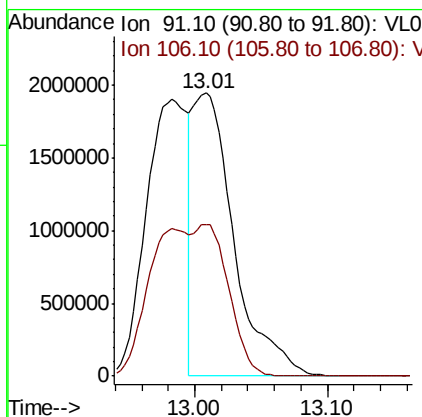
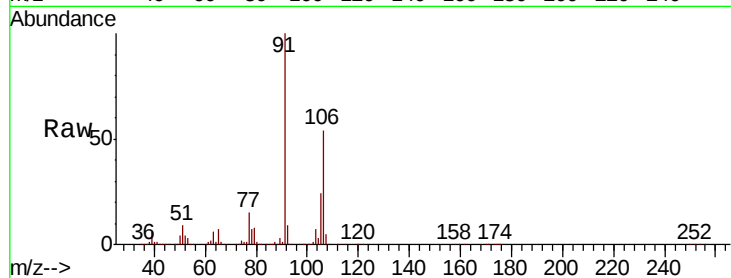




#59
m/p-Xylene
Concen: 10.701 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

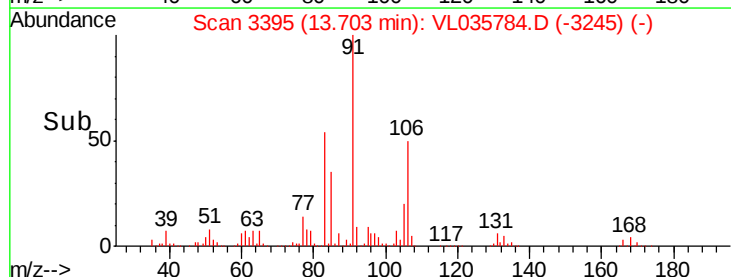
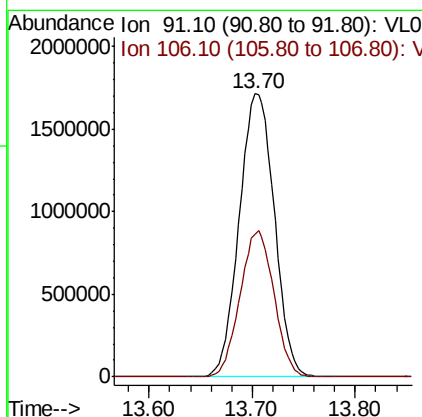
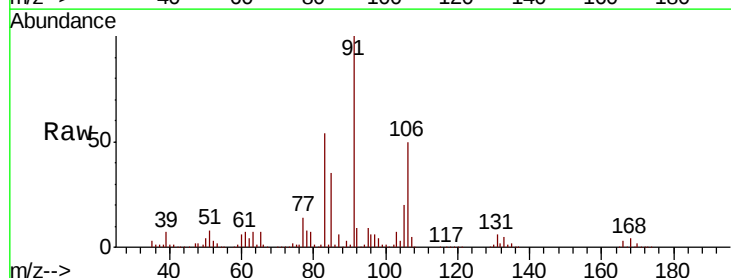
Instrument :
MSVOA_L
ClientSampled :

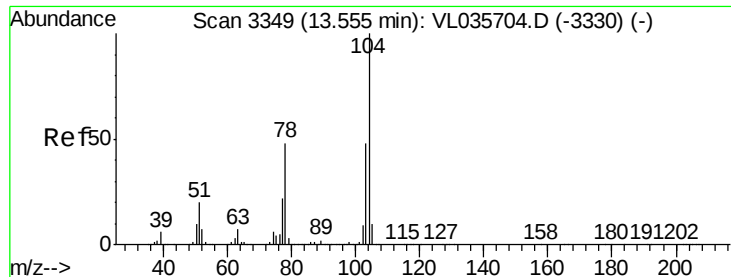
Tot Ion: 91 Resp: 4173542
Ion Ratio Lower Upper
91 100
106 99.1 41.4 62.0#



#60
o-Xylene
Concen: 10.286 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 91 Resp: 4058016
Ion Ratio Lower Upper
91 100
106 49.8 25.0 75.0





#61

Stvrene

Concen: 11.605 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

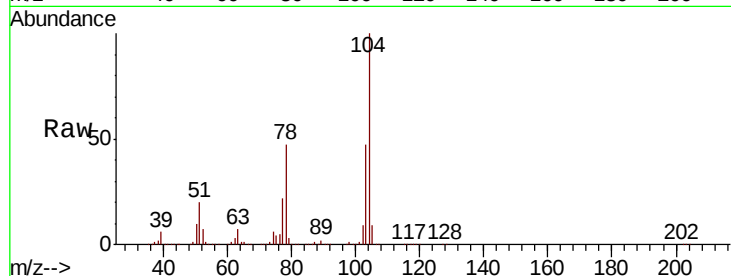
Tot Ion:104 Resp: 3165615

Ion Ratio Lower Upper

104 100

78 46.3 37.2 55.8

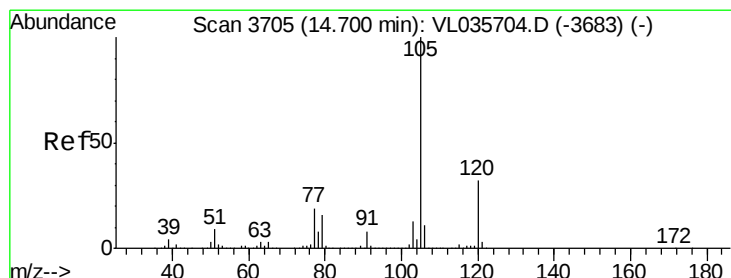
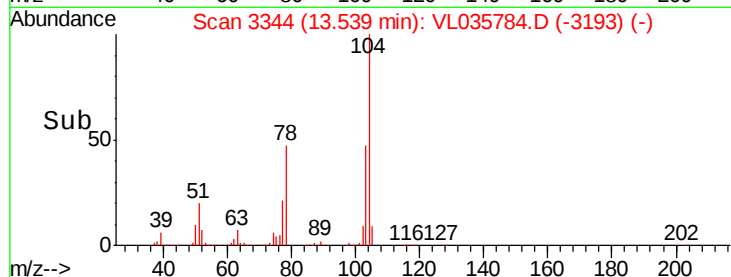
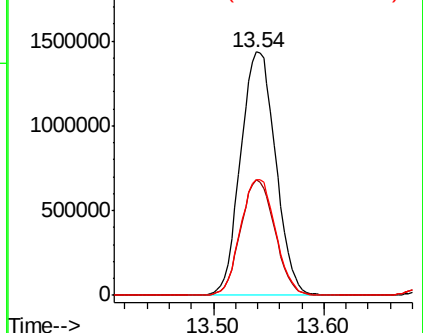
103 47.5 38.2 57.2



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: 9.981 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035784.D

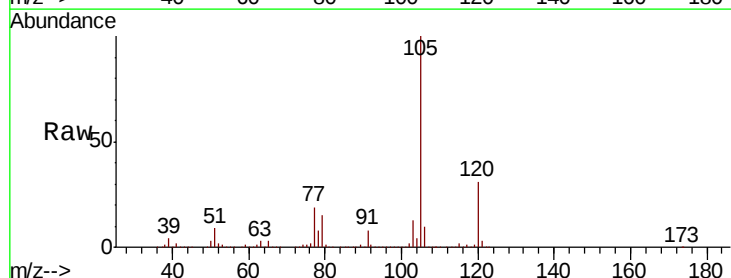
Acq: 16 Oct 2020 13:17

Tgt Ion:105 Resp: 6107850

Ion Ratio Lower Upper

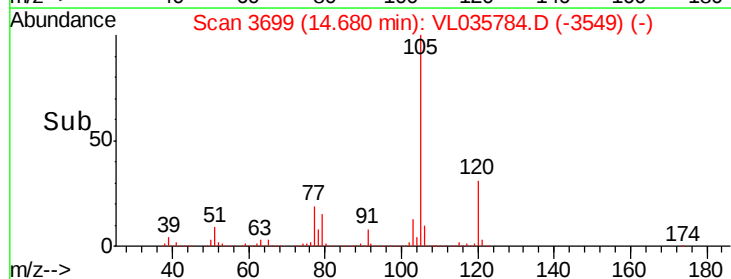
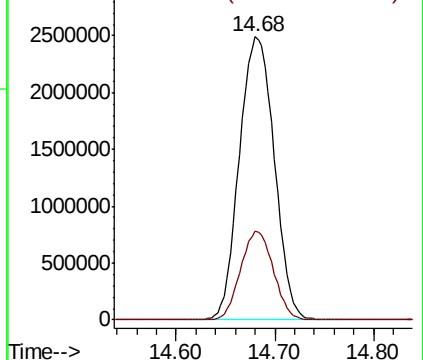
105 100

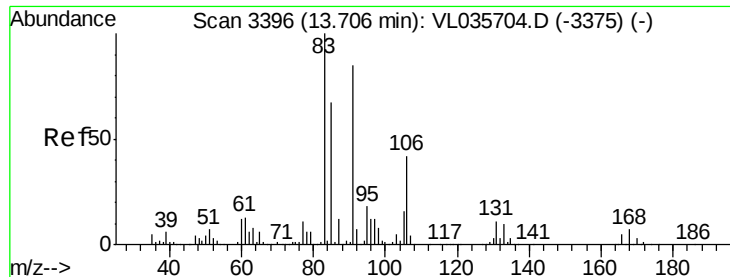
120 29.5 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

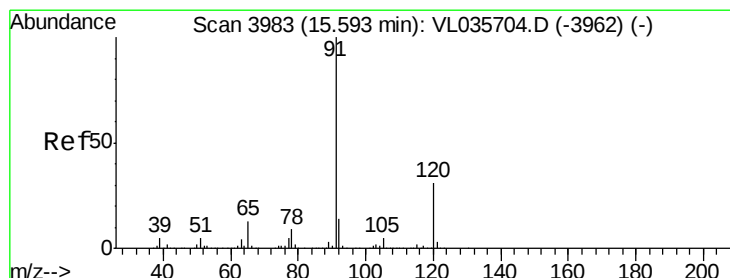
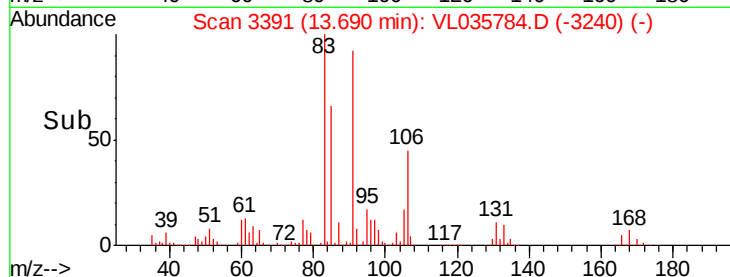
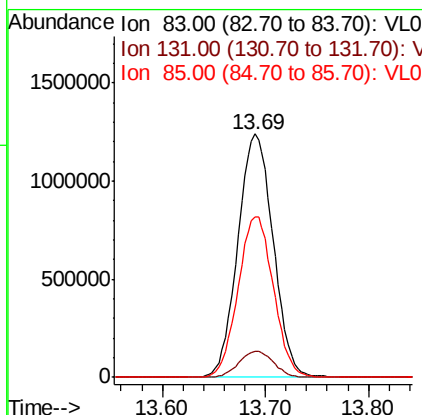
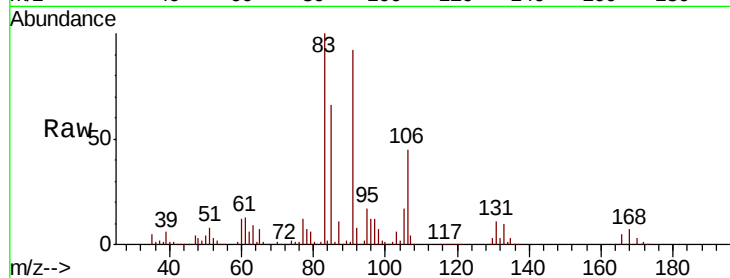




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.129 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

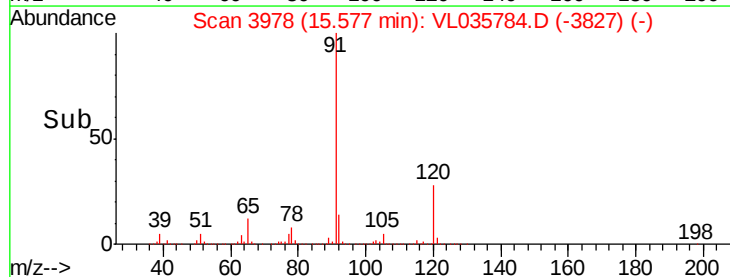
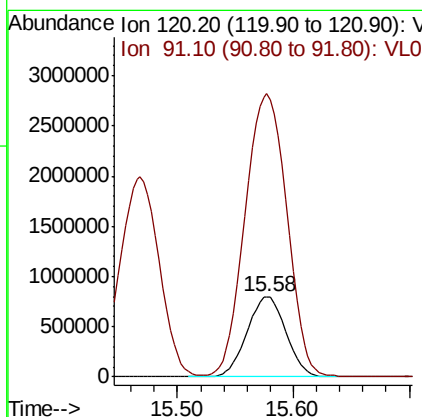
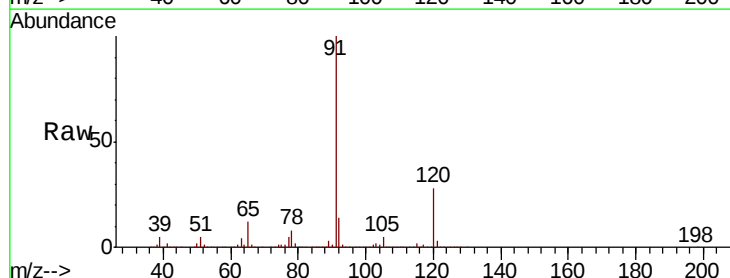
Instrument :
 MSVOA_L
 ClientSampleId :

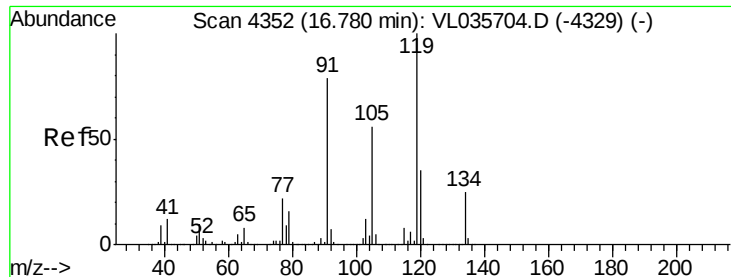
Tot Ion: 83 Resp: 2953159
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 66.1 33.4 100.2



#64
 n-propylbenzene
 Concen: 10.375 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion:120 Resp: 1858044
 Ion Ratio Lower Upper
 120 100
 91 382.1 300.4 450.6





#65

tert-Butylbenzene

Concen: 10.101 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampled :

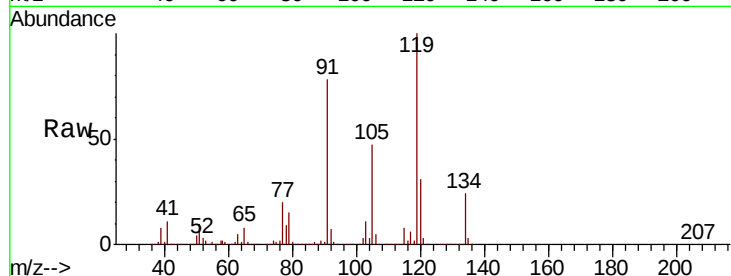
Tot Ion:119 Resp: 5619846

Ion Ratio Lower Upper

119 100

91 77.4 62.4 93.6

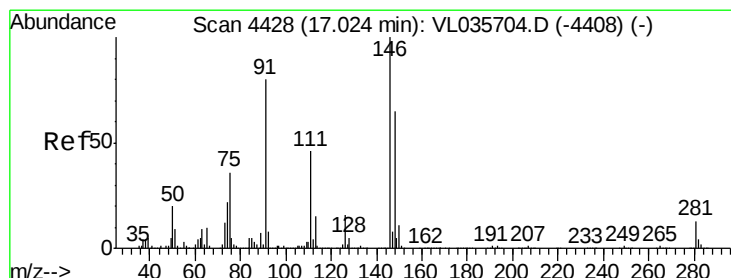
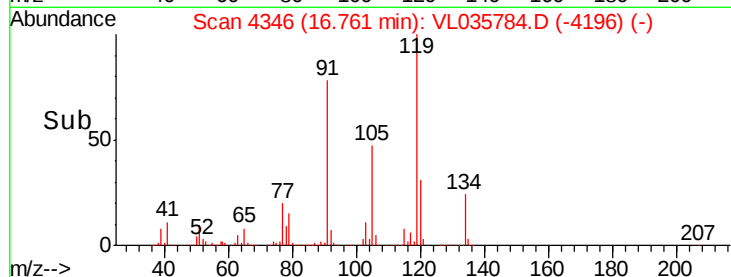
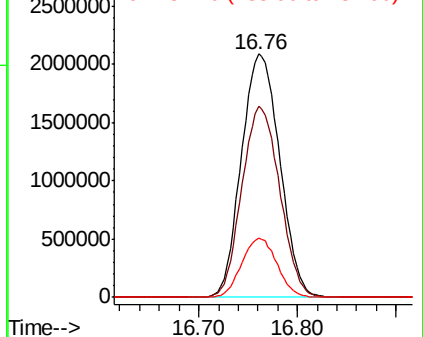
134 22.4 18.2 27.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.315 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

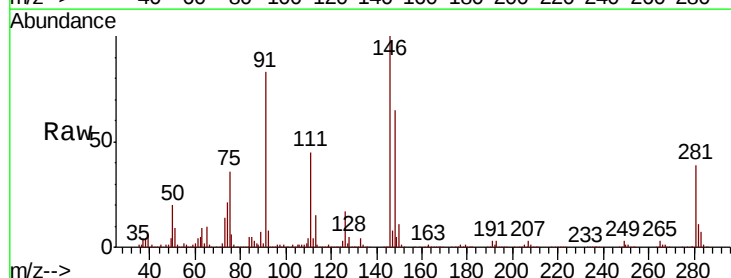
Tgt Ion: 91 Resp: 2075893

Ion Ratio Lower Upper

91 100

126 20.1 15.3 22.9

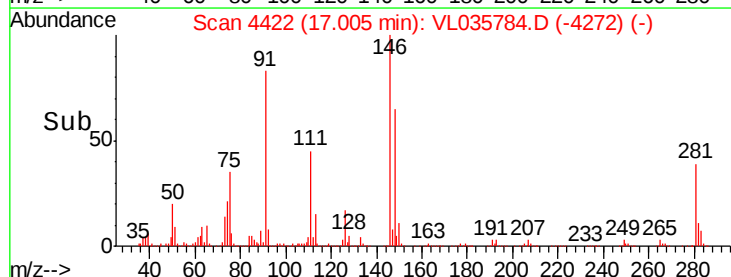
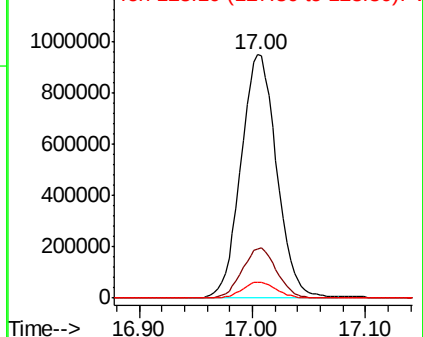
128 6.3 5.0 7.4

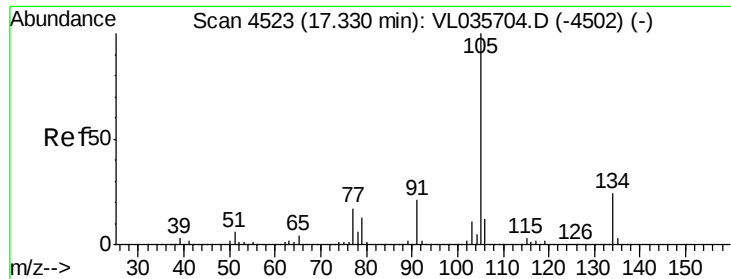


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

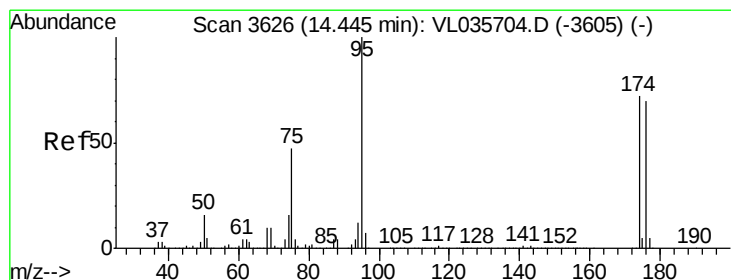
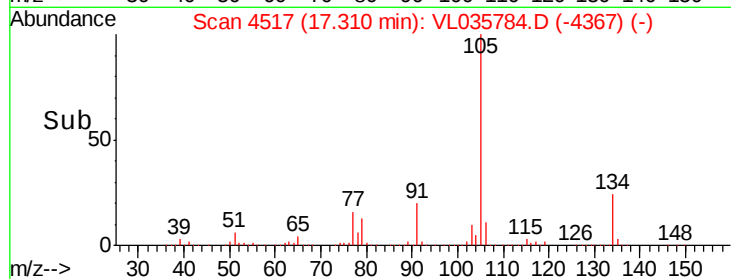
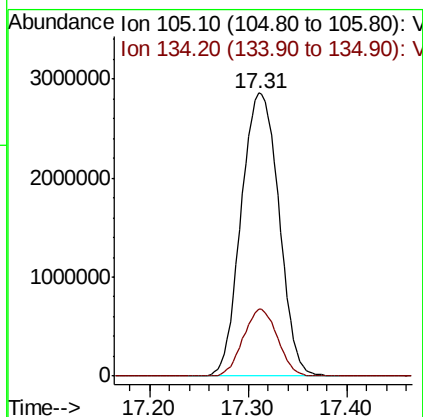
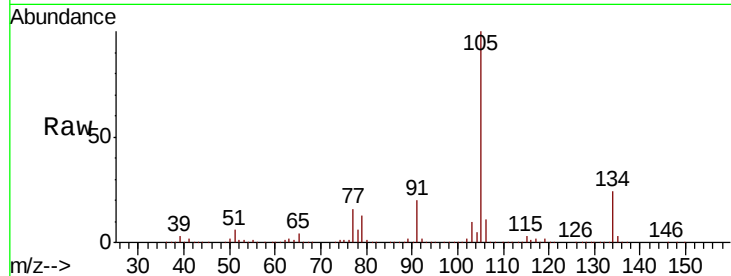




#67
 sec-Butylbenzene
 Concen: 9.833 ppbv
 RT: 17.31 min Scan# 4517
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

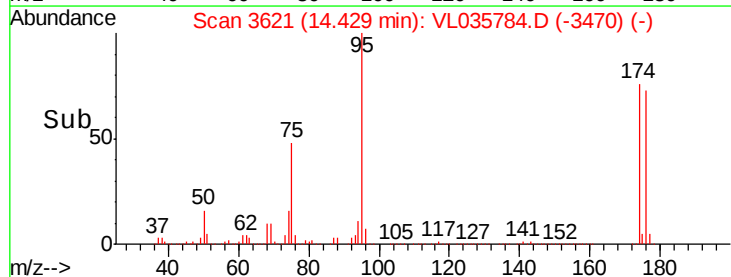
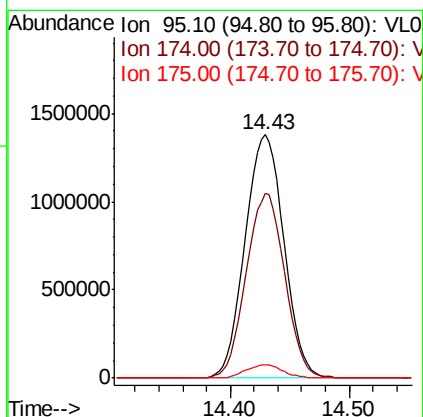
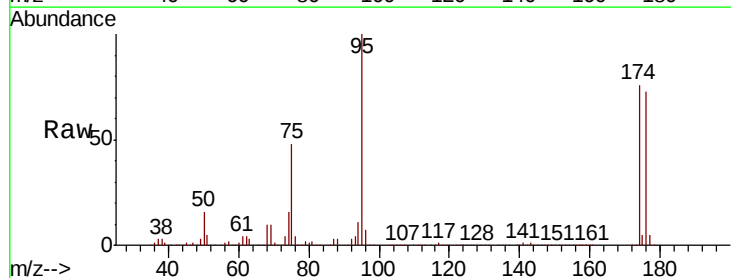
Instrument :
 MSVOA_L
 ClientSampleId :

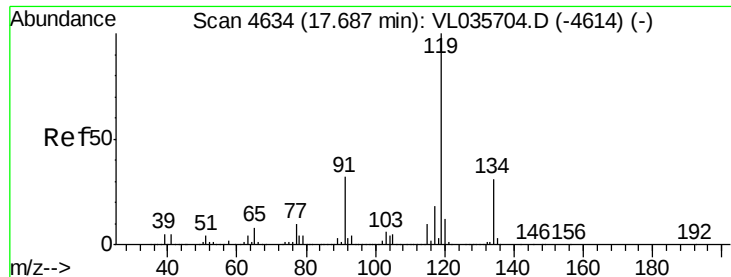
Tot Ion:105 Resp: 7554901
 Ion Ratio Lower Upper
 105 100
 134 21.6 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.361 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 95 Resp: 3121004
 Ion Ratio Lower Upper
 95 100
 174 75.7 59.6 89.4
 175 5.4 4.2 6.4



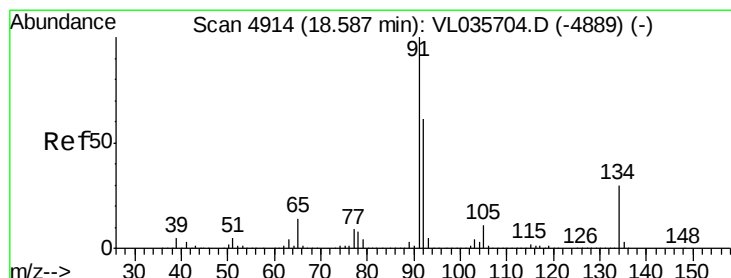
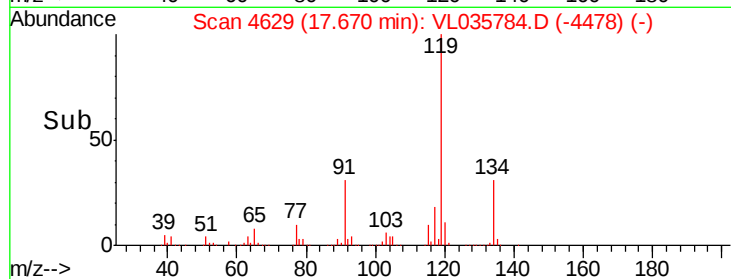
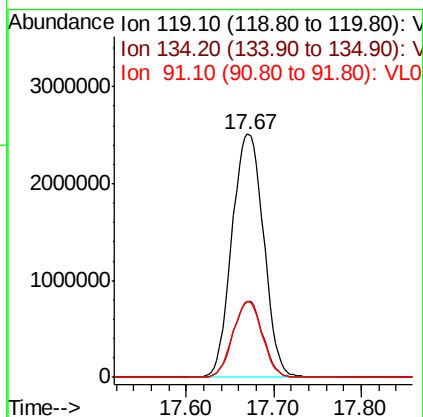
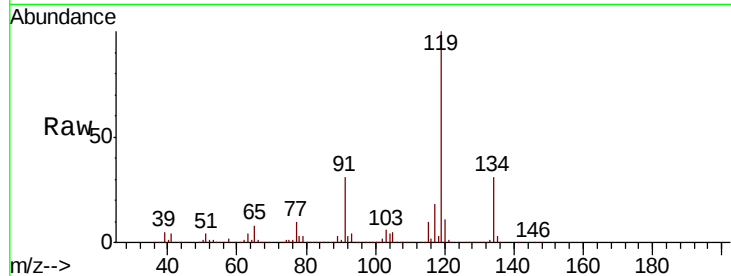


#69
 p-Isopropyltoluene
 Concen: 10.119 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6324737

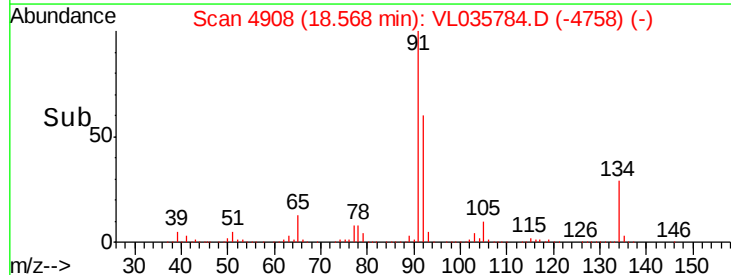
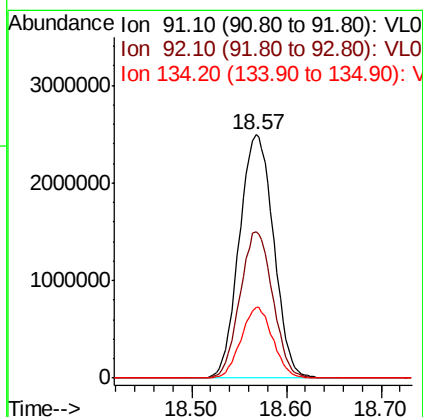
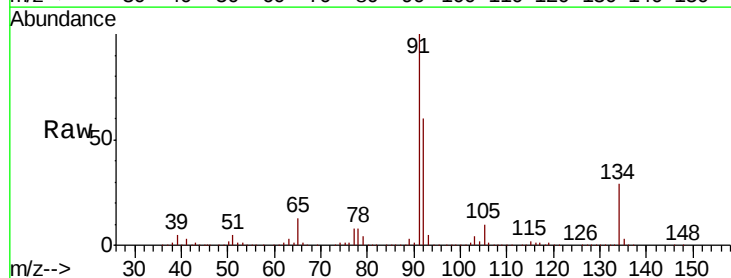
Ion	Ratio	Lower	Upper
119	100		
134	29.3	23.9	35.9
91	29.0	23.8	35.6

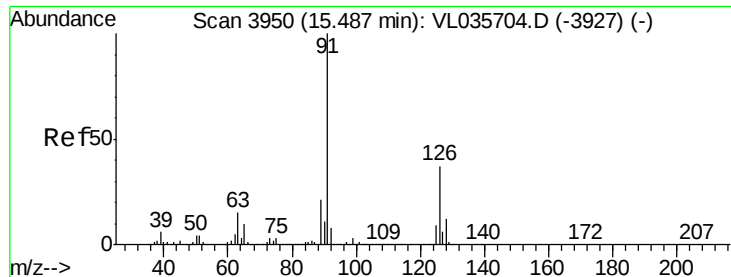


#70
 n-Butylbenzene
 Concen: 9.767 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 91 Resp: 6286760

Ion	Ratio	Lower	Upper
91	100		
92	57.4	47.0	70.4
134	27.0	21.9	32.9





#71

2-Chlorotoluene

Concen: 10.472 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

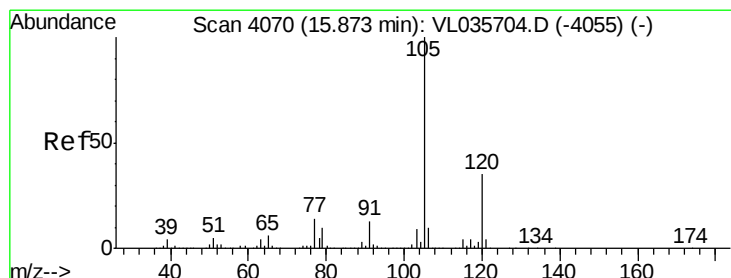
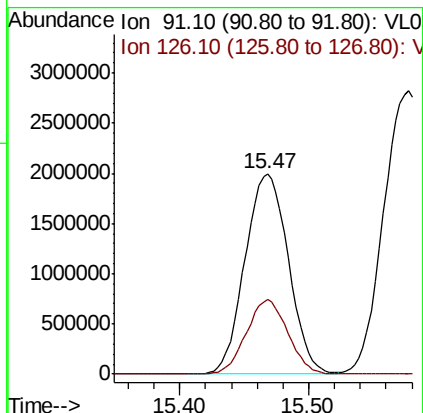
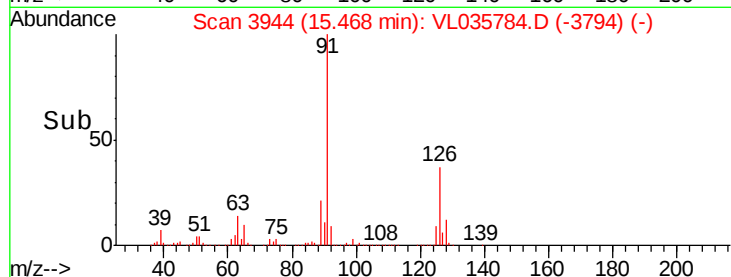
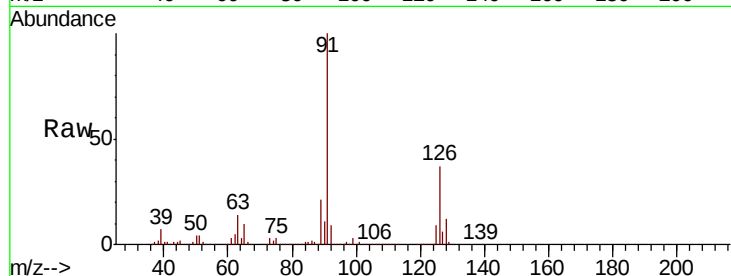
ClientSampleId :

Tot Ion: 91 Resp: 4674049

Ion Ratio Lower Upper

91 100

126 35.5 14.4 57.4



#72

4-Ethyltoluene

Concen: 10.598 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion:105 Resp: 4953152

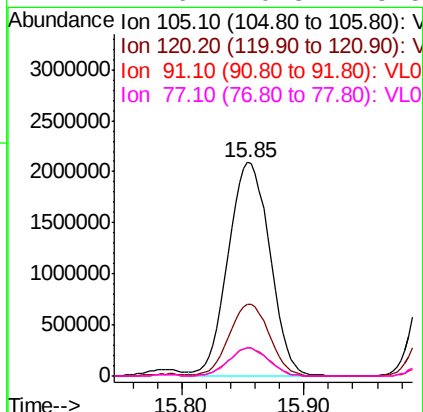
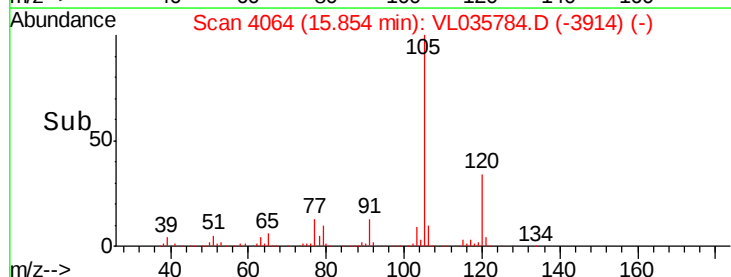
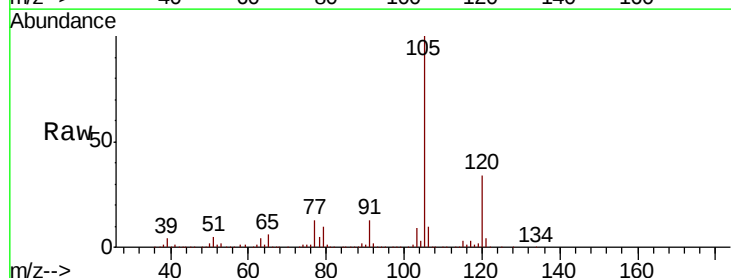
Ion Ratio Lower Upper

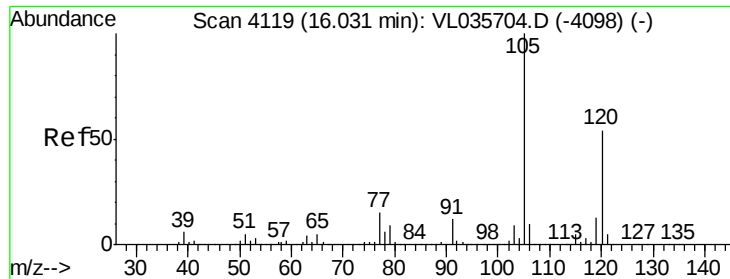
105 100

120 32.8 26.5 39.7

91 12.5 10.2 15.2

77 12.6 10.3 15.5

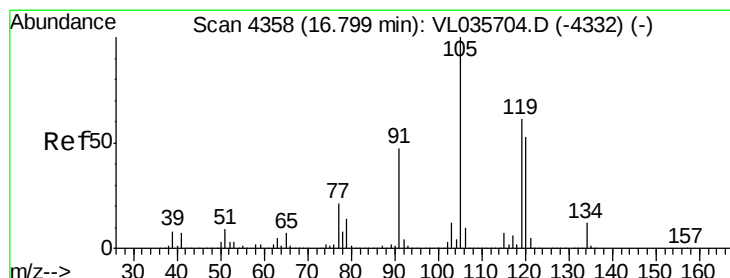
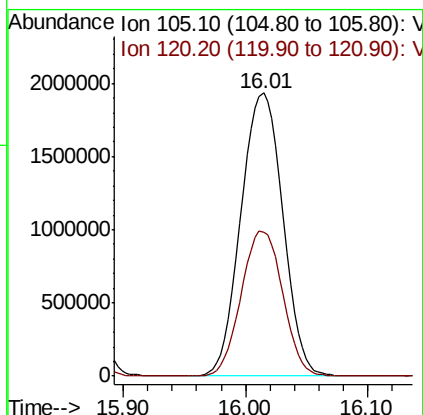
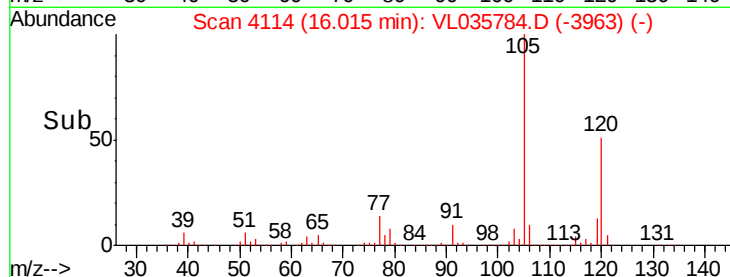
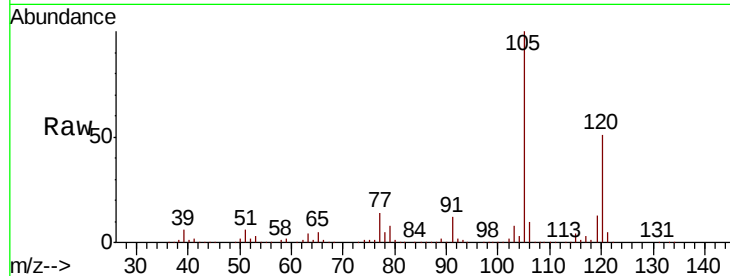




#73
 1,3,5-Trimethylbenzene
 Concen: 10.400 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

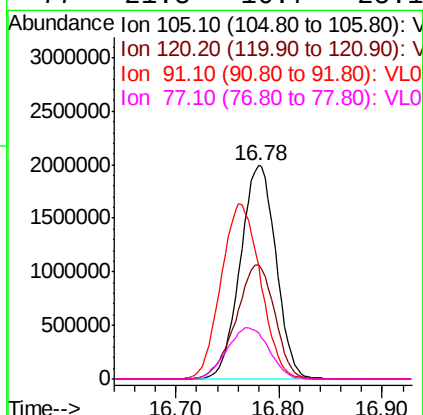
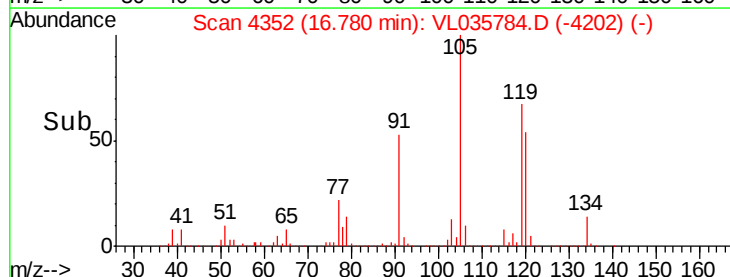
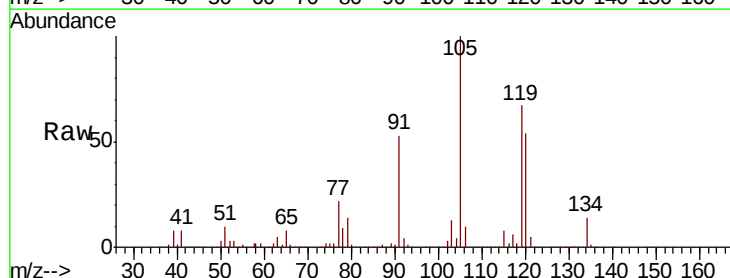
Instrument :
 MSVOA_L
 ClientSampled :

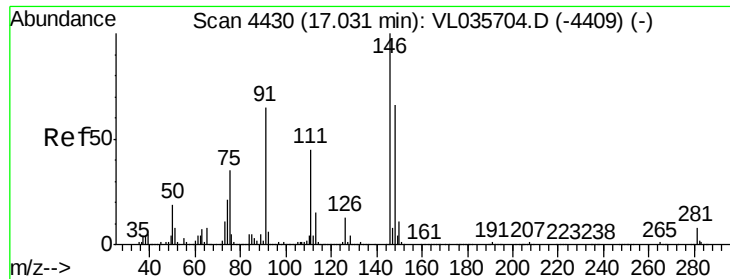
Tot Ion:105 Resp: 4593154
 Ion Ratio Lower Upper
 105 100
 120 50.9 43.0 64.4



#74
 1,2,4-Trimethylbenzene
 Concen: 9.602 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion:105 Resp: 4780154
 Ion Ratio Lower Upper
 105 100
 120 53.5 42.5 63.7
 91 52.5 37.7 56.5
 77 21.8 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 9.225 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

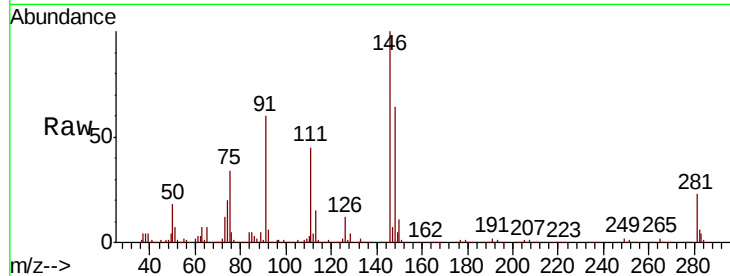
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3135428

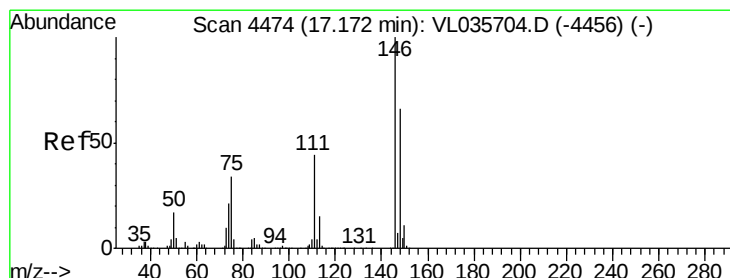
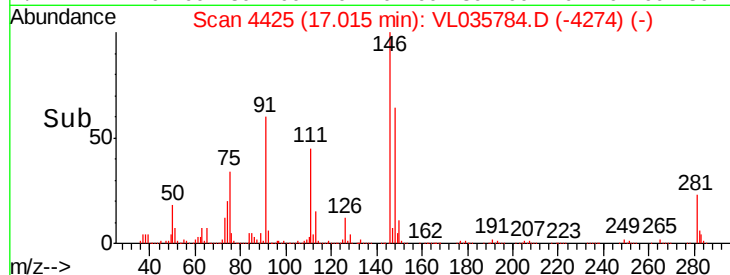
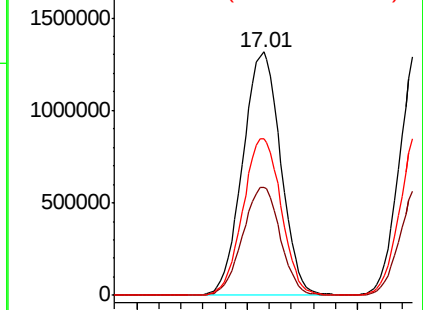
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.0	33.0	99.0



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



#76

1,4-Dichlorobenzene

Concen: 9.709 ppbv

RT: 17.16 min Scan# 4469

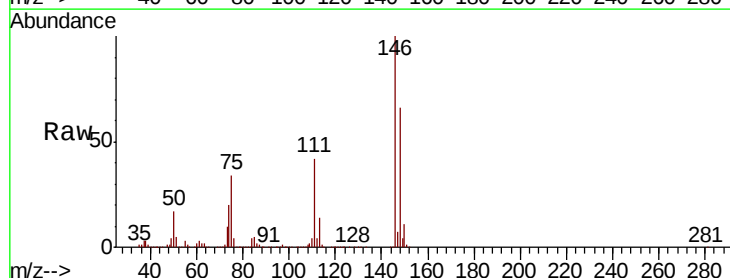
Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion:146 Resp: 3154424

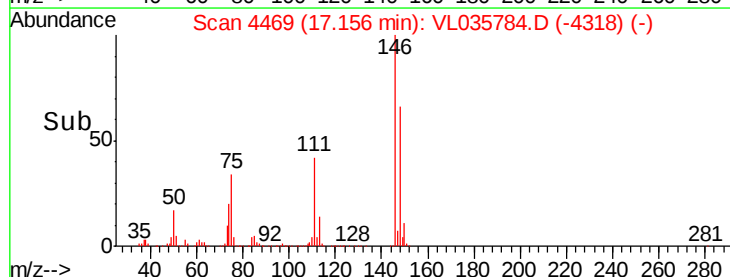
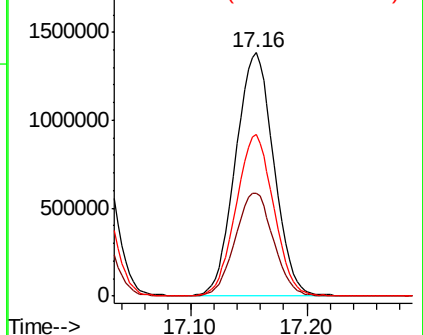
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	65.7	32.6	98.0

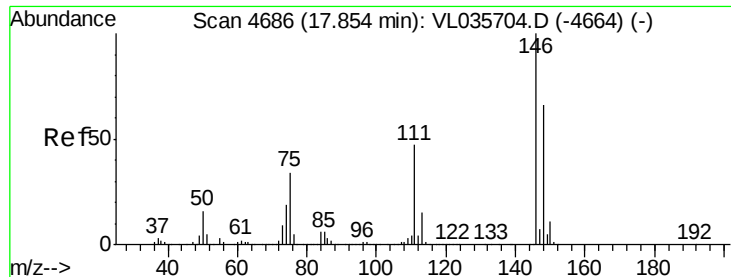


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

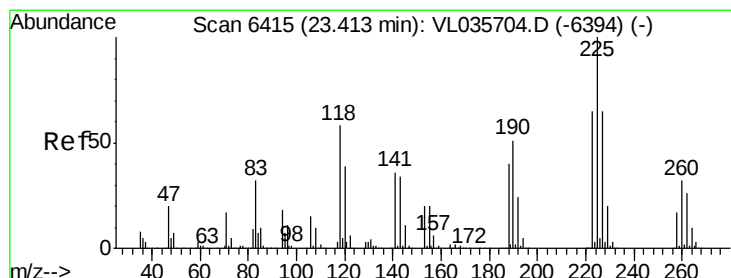
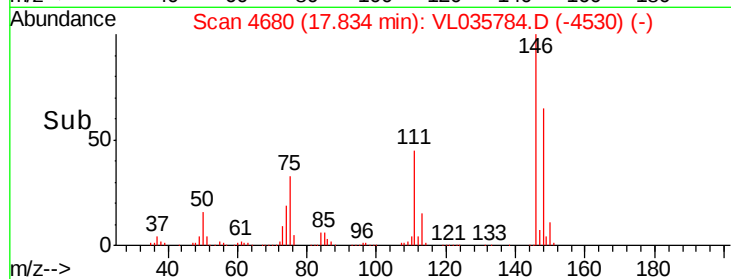
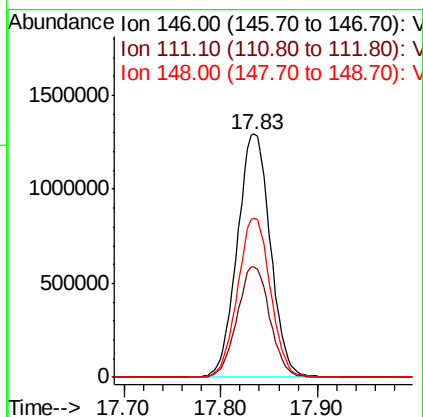
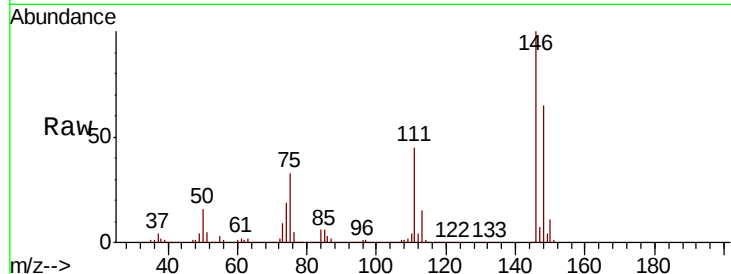




#77
 1,2-Dichlorobenzene
 Concen: 9.570 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

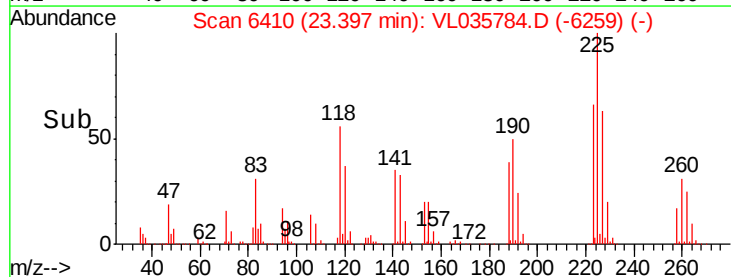
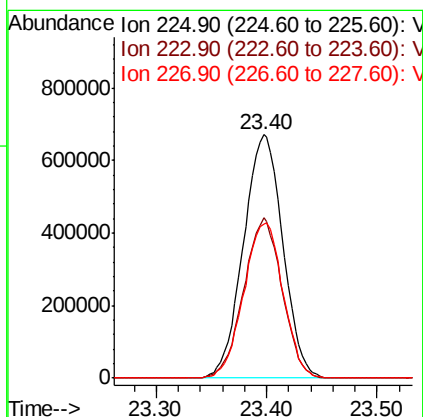
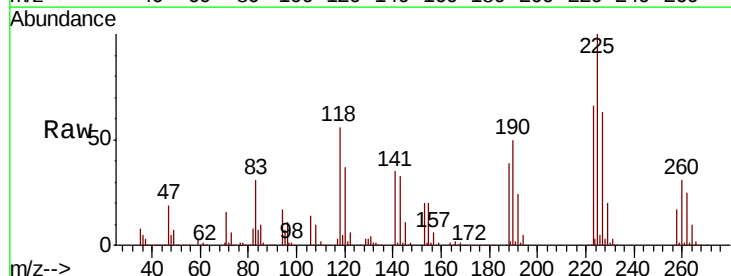
Instrument :
 MSVOA_L
 ClientSampleId :

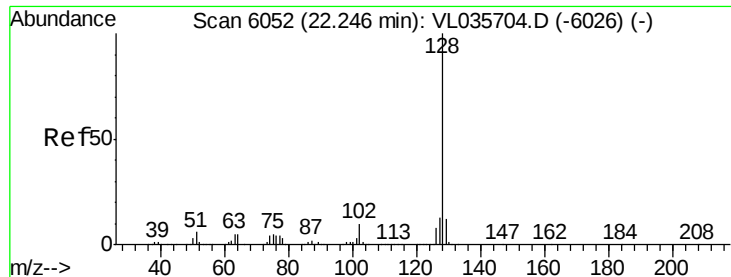
Tot Ion:146 Resp: 3072462
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.9 68.5
 148 65.2 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.367 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion:225 Resp: 1659151
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.3 76.9
 227 63.8 51.6 77.4

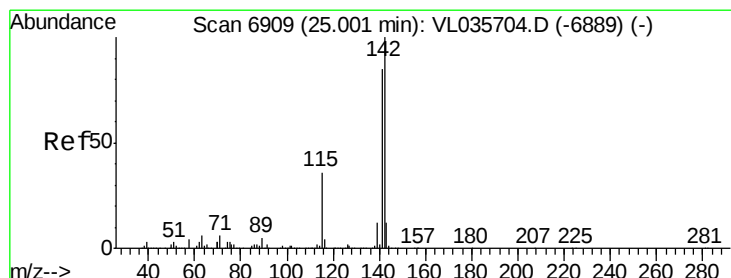
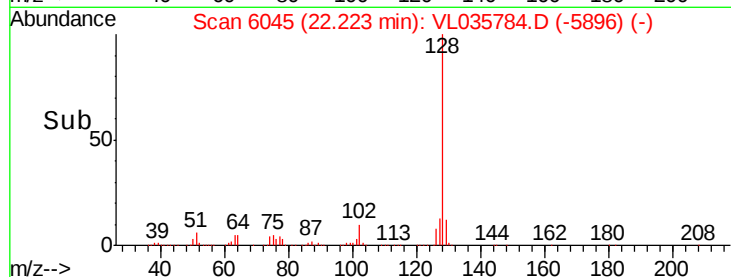
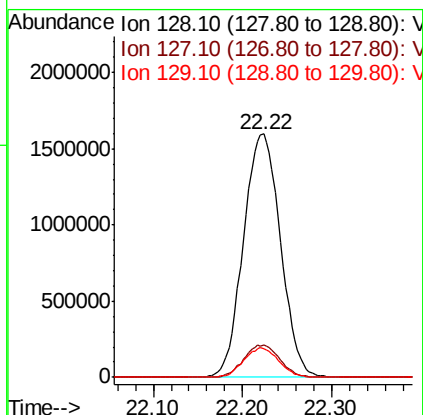
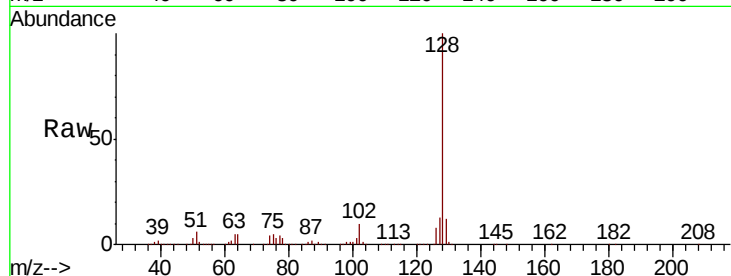




#79
Naphthalene
Concen: 9.693 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

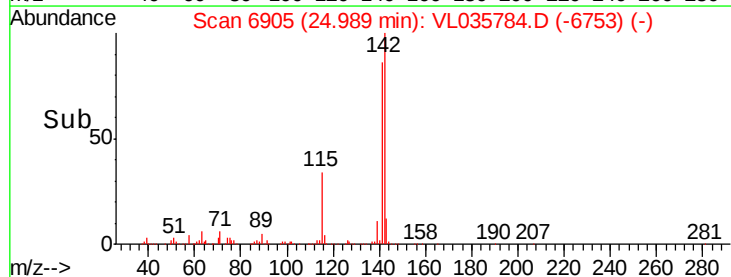
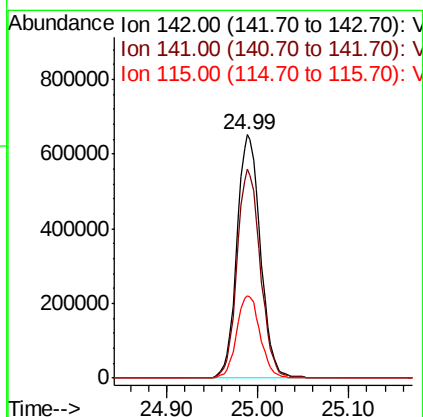
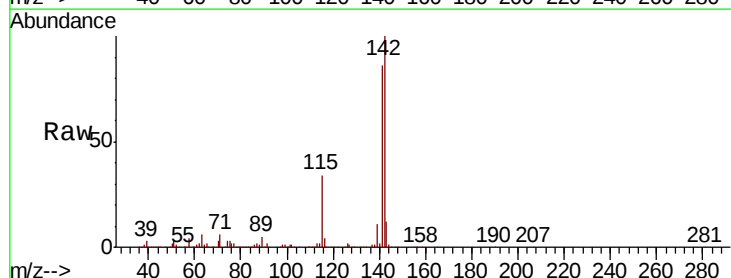
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 4602790
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.8 9.4 14.0



#80
Naphthalene, 2-methyl-
Concen: 10.433 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion:142 Resp: 1168476
Ion Ratio Lower Upper
142 100
141 85.8 68.2 102.4
115 34.1 27.8 41.6

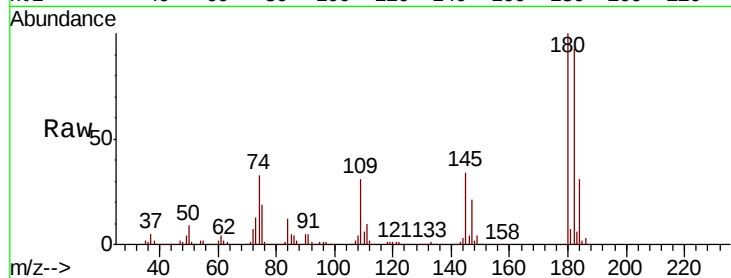




#81
 1,2,4-Trichlorobenzene
 Concen: 9.748 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2398755
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.2
 184 30.9 24.6 37.0



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

