

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036025.D
 Acq On : 25 Nov 2020 11:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 26 01:14:59 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	5.65	49	1273253	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4928784	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	5964237	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3638838	8.59	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1863687	7.775	ppbv 99
3) Chlorodifluoromethane	2.97	51	1373736	9.010	ppbv 99
4) Chloromethane	3.12	50	698435	9.429	ppbv 99
5) Vinyl Chloride	3.23	62	883714	9.359	ppbv 98
6) Bromomethane	3.45	94	726280	9.564	ppbv 99
7) Chloroethane	3.54	64	328795	9.894	ppbv 96
8) Dichlorotetrafluoroethane	3.17	85	2487383	9.067	ppbv 96
9) Propene	2.99	41	509758	9.134	ppbv 98
10) Heptane	8.10	43	1508586	9.787	ppbv 99
11) Trichlorofluoromethane	3.93	101	2742261	9.110	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2084786	9.303	ppbv 94
13) Ethanol	3.58	45	101465	8.381	ppbv 96
14) Bromoethene	3.72	108	945153	9.164	ppbv 99
15) Acetone	3.83	43	1191458	8.753	ppbv 97
16) 1,3-Butadiene	3.30	39	543950	9.281	ppbv 98
17) tert-Butyl alcohol	4.27	59	1586871	8.796	ppbv 99
18) 1,1-Dichloroethene	4.27	96	978357	9.508	ppbv 94
19) Isopropyl Alcohol	3.95	45	740050	8.847	ppbv 99
20) Methylene Chloride	4.32	84	802172	8.371	ppbv 98
21) Allyl Chloride	4.39	41	729606	9.911	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	991940	9.509	ppbv 98
23) Vinyl Acetate	5.05	43	1712072	8.973	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1680808	9.246	ppbv 100
25) Ethyl Acetate	5.66	43	2542930	9.483	ppbv 99
26) Hexane	5.67	57	1367904	9.249	ppbv 99
27) Carbon Disulfide	4.53	76	2153349	9.717	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2320757	8.738	ppbv 100
29) Chloroform	5.74	83	2652359	9.125	ppbv 97
30) Cyclohexane	7.11	84	1434936	8.909	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1389943	9.136	ppbv 99
32) 1,1,1-Trichloroethane	6.49	97	2544489	8.389	ppbv 99
34) 2-Butanone	5.22	43	1612762	10.082	ppbv 100
35) Carbon Tetrachloride	7.00	117	2495519	9.476	ppbv 99
36) Benzene	6.87	78	3398059	9.274	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1649233	9.935	ppbv 100
38) Trichloroethene	7.82	130	1544018	8.627	ppbv 95
39) 1,2-Dichloropropane	7.60	63	1171039	9.493	ppbv 99
40) 1,4-Dioxane	7.81	88	516840	8.840	ppbv # 1
41) Tetrahydrofuran	6.03	42	940898	10.353	ppbv 99
42) Bromodichloromethane	7.77	83	2732490	9.755	ppbv 100
43) Methyl Methacrylate	7.99	69	1418387	10.148	ppbv 100

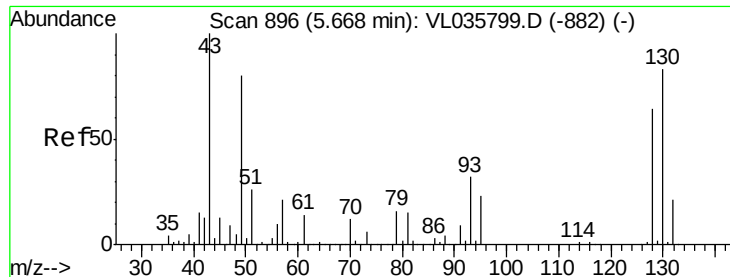
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036025.D
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 Operator : SY/AP
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Quant Time: Nov 26 01:14:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant 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	7.85	57	4620933	9.530	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1518287	10.247	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1870281	9.967	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1603903	9.542	ppbv	98
48) Dibromochloromethane	10.29	129	2541064	9.895	ppbv	99
49) Bromoform	13.02	173	2125874	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2533284	10.357	ppbv	99
51) 2-Hexanone	10.11	43	2080834	10.590	ppbv	100
52) Tetrachloroethene	11.20	164	1439118	8.290	ppbv	98
53) Toluene	9.79	91	4167290	9.425	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2426630	9.492	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1969586	7.358	ppbv	100
57) Chlorobenzene	12.13	112	3360225	7.086	ppbv	99
58) Ethyl Benzene	12.69	91	5374189	7.398	ppbv	99
59) m/p-Xylene	12.98	91	5428467	8.833	ppbv #	50
60) o-Xylene	13.68	91	4470815	7.478	ppbv	100
61) Styrene	13.51	104	3405280	7.774	ppbv	99
62) Isopropylbenzene	14.65	105	6679376	7.108	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3272957	7.065	ppbv	99
64) n-propylbenzene	15.55	120	2007009	7.389	ppbv	99
65) tert-Butylbenzene	16.73	119	6019480	7.038	ppbv	99
66) Benzyl Chloride	16.98	91	2289143	8.097	ppbv	99
67) sec-Butylbenzene	17.28	105	8152447	7.073	ppbv	99
69) p-Isopropyltoluene	17.64	119	6772133	7.120	ppbv	100
70) n-Butylbenzene	18.54	91	6797847	7.421	ppbv	99
71) 2-Chlorotoluene	15.44	91	5117629	7.446	ppbv	99
72) 4-Ethyltoluene	15.82	105	5370935	7.407	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4982248	7.508	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	5167140	7.267	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3220225	7.113	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3190043	7.304	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3112098	7.052	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1465818	7.118	ppbv	100
79) Naphthalene	22.18	128	4024332	8.119	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	924531	11.446	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1970773	7.117	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

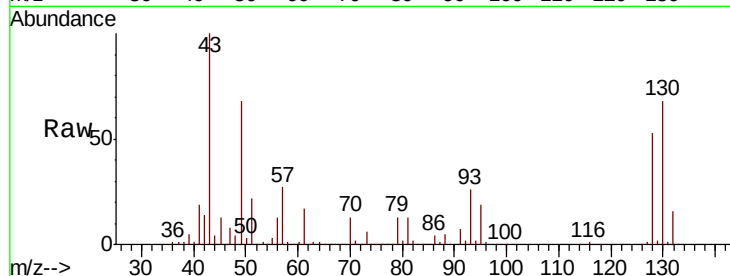
Tot Ion: 49 Resp: 1273253

Ion Ratio Lower Upper

49 100

128 81.5 41.5 124.6

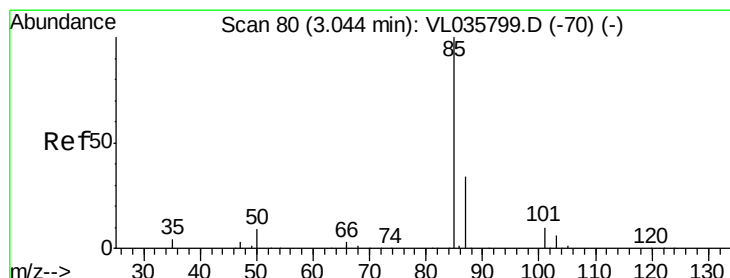
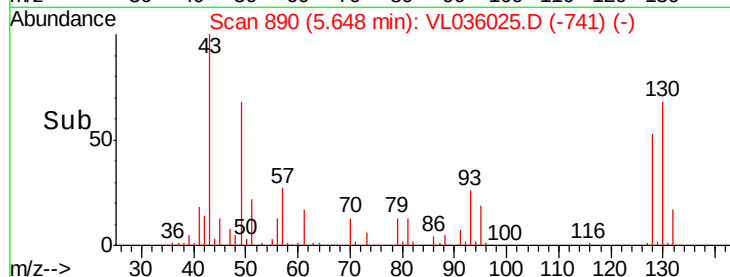
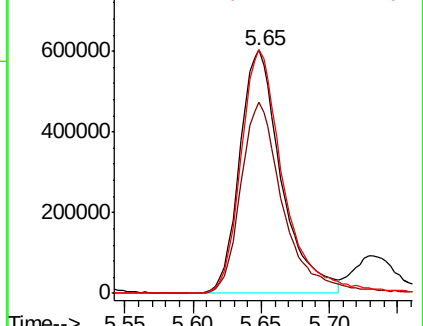
130 104.1 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.775 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL036025.D

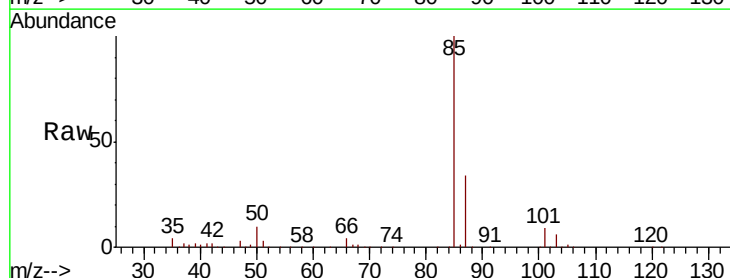
Acq: 25 Nov 2020 11:09

Tgt Ion: 85 Resp: 1863687

Ion Ratio Lower Upper

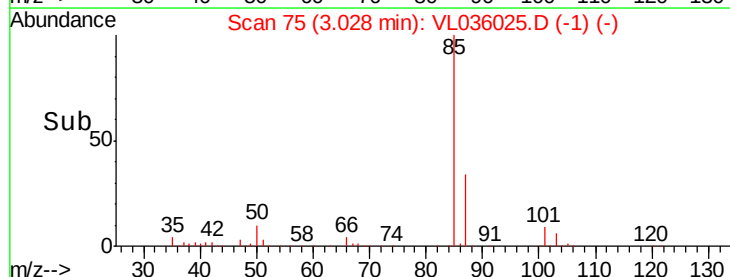
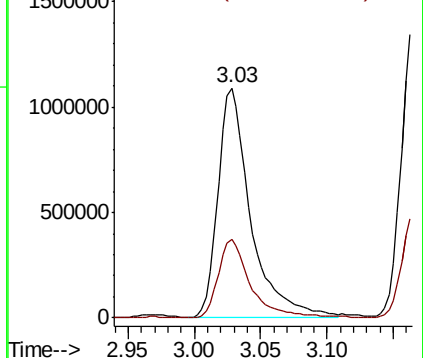
85 100

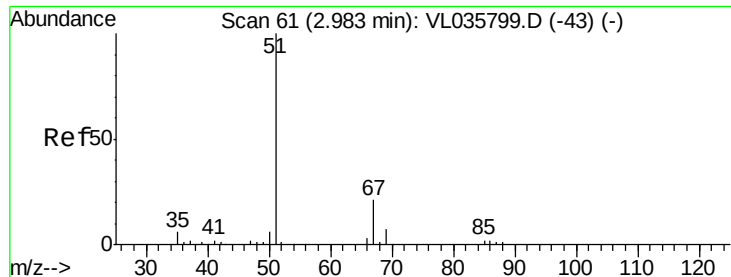
87 34.3 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.010 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

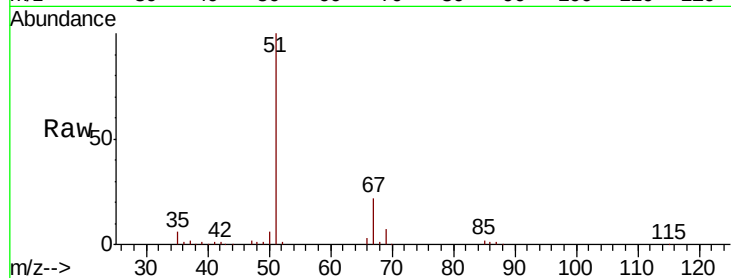
ClientSampleId :

Tot Ion: 51 Resp: 1373736

Ion Ratio Lower Upper

51 100

67 21.5 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

800000

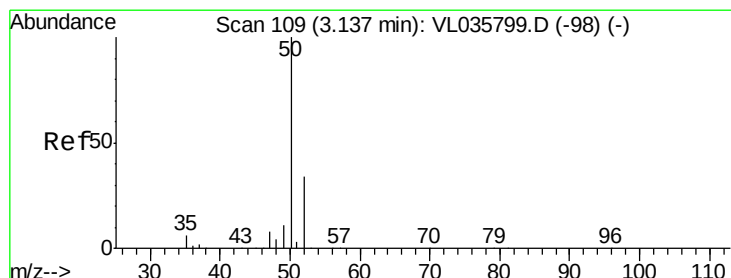
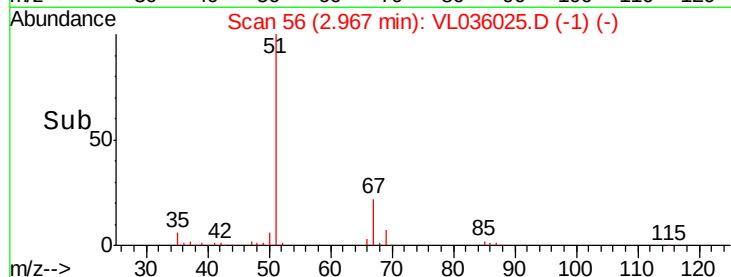
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.429 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL036025.D

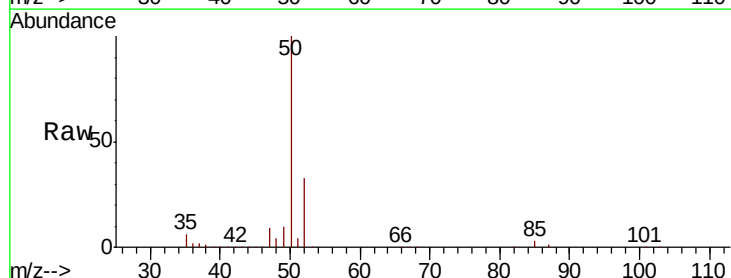
Acq: 25 Nov 2020 11:09

Tgt Ion: 50 Resp: 698435

Ion Ratio Lower Upper

50 100

52 33.6 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

400000

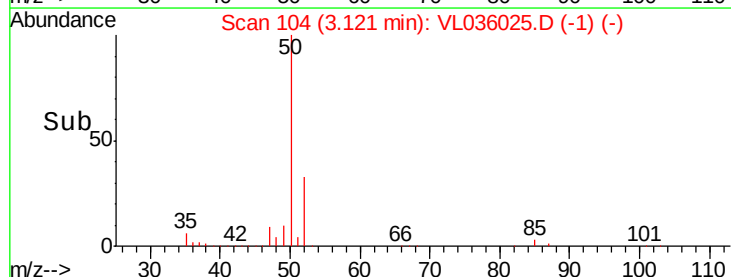
300000

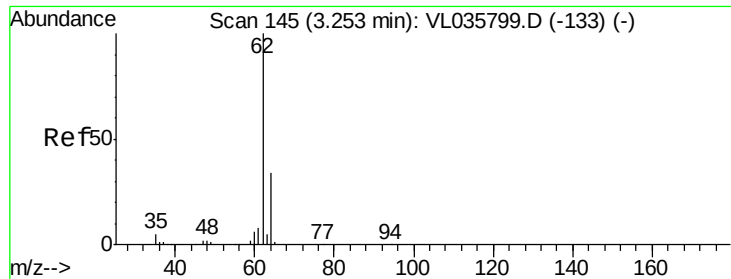
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.359 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

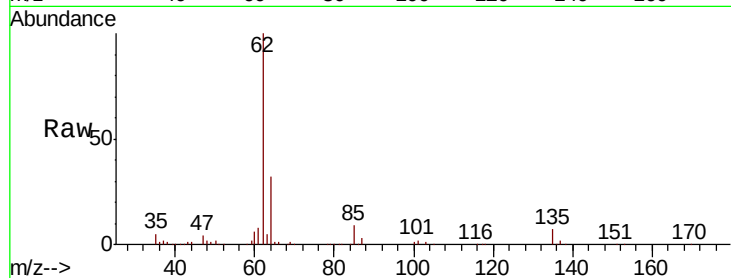
ClientSampleId :

Tot Ion: 62 Resp: 883714

Ion Ratio Lower Upper

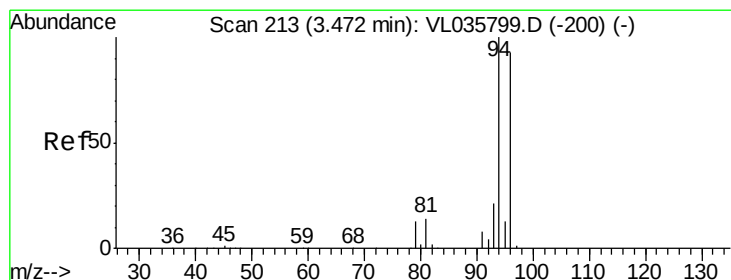
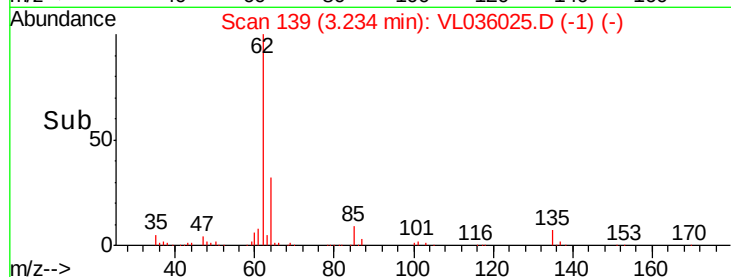
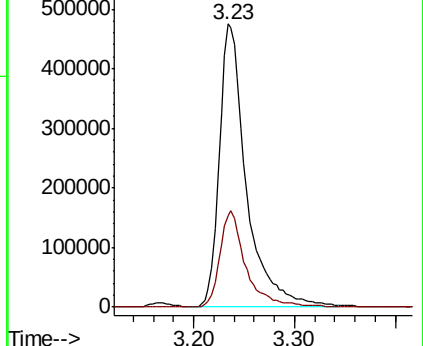
62 100

64 32.3 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.564 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL036025.D

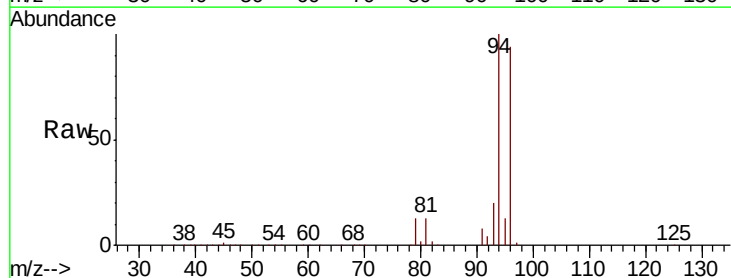
Acq: 25 Nov 2020 11:09

Tgt Ion: 94 Resp: 726280

Ion Ratio Lower Upper

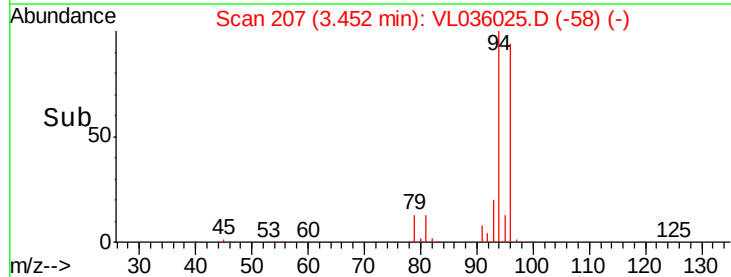
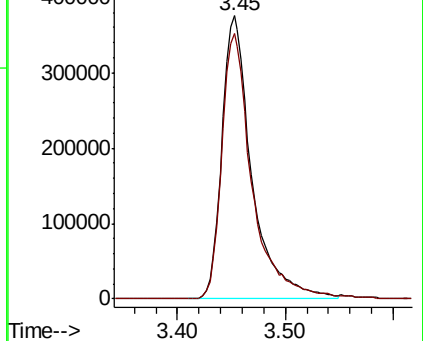
94 100

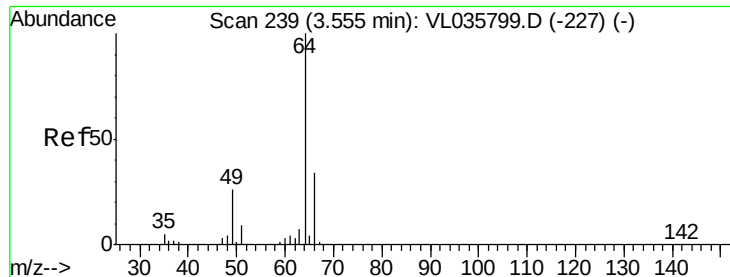
96 94.0 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.894 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

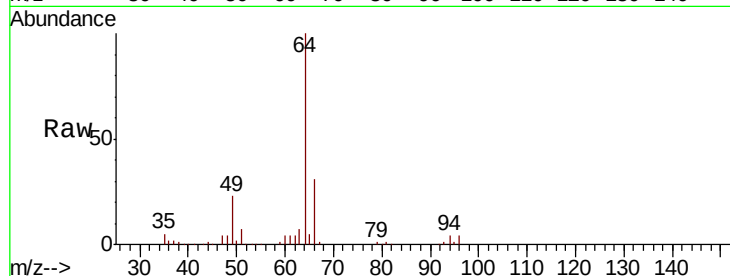
ClientSampleId :

Tot Ion: 64 Resp: 328795

Ion Ratio Lower Upper

64 100

66 31.4 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

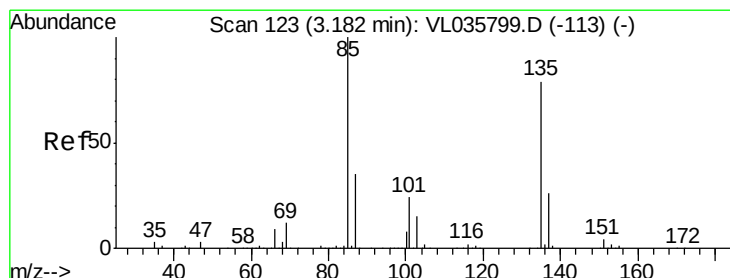
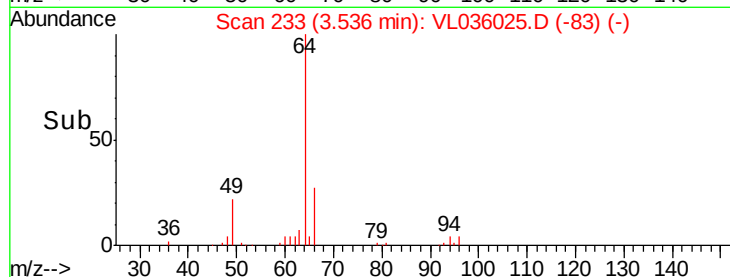
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.067 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL036025.D

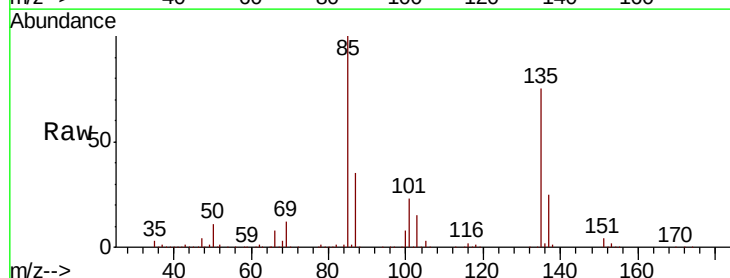
Acq: 25 Nov 2020 11:09

Tgt Ion: 85 Resp: 2487383

Ion Ratio Lower Upper

85 100

135 76.9 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

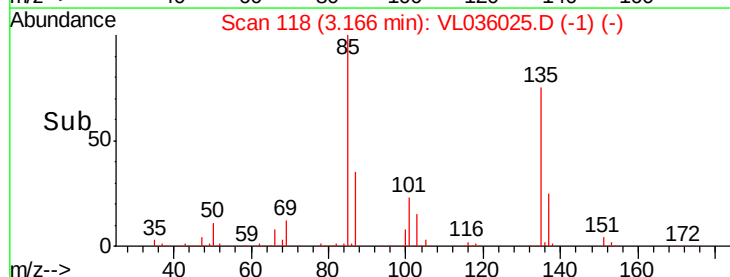
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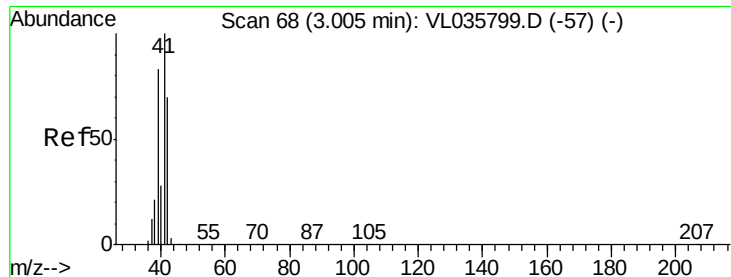
1000000

500000

0

Time-->





#9

Propene

Concen: 9.134 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

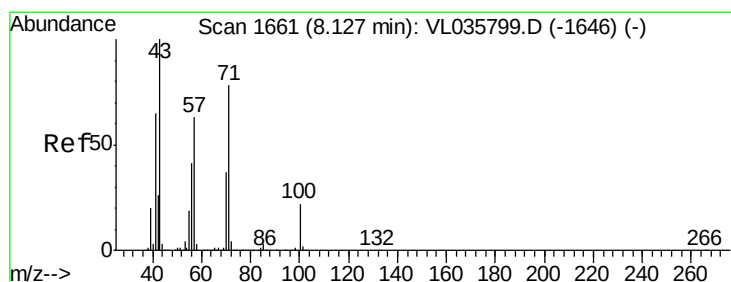
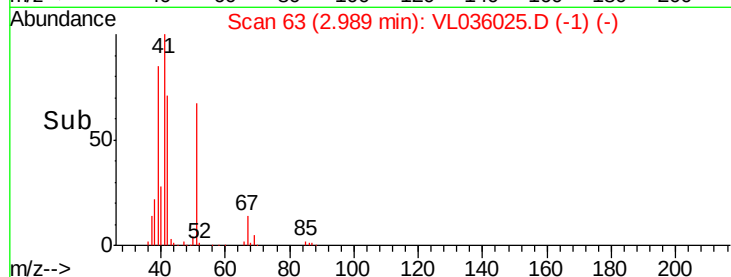
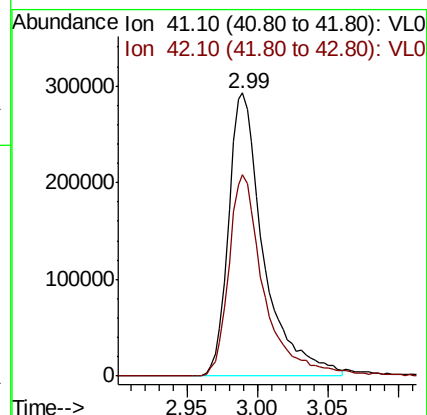
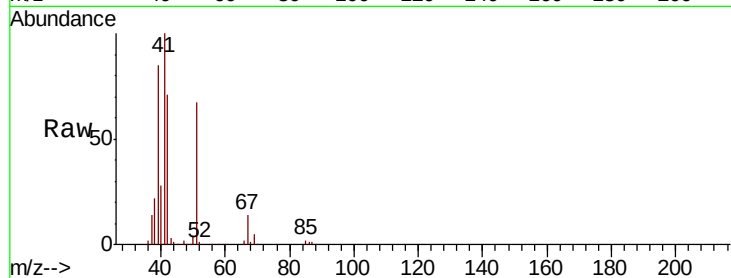
ClientSampleId :

Tot Ion: 41 Resp: 509758

Ion Ratio Lower Upper

41 100

42 72.1 56.2 84.4



#10

Heptane

Concen: 9.787 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL036025.D

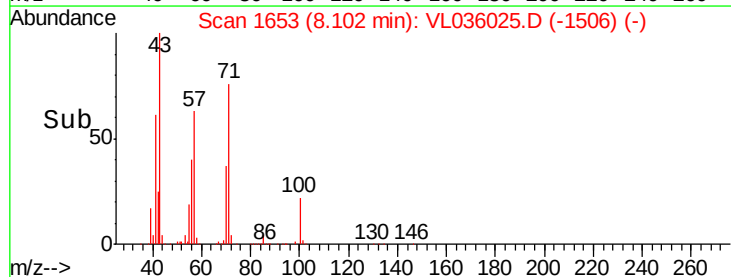
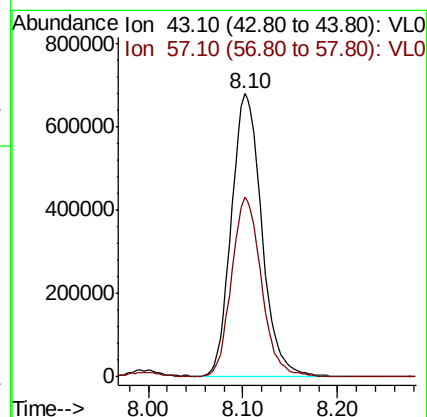
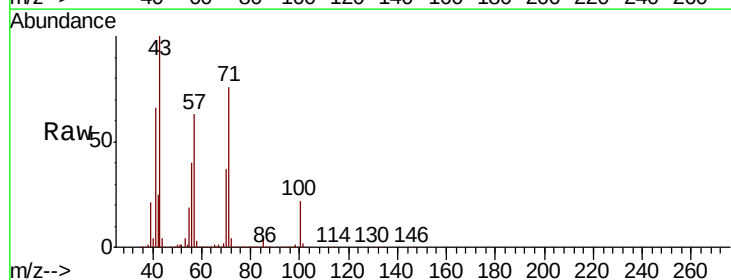
Acq: 25 Nov 2020 11:09

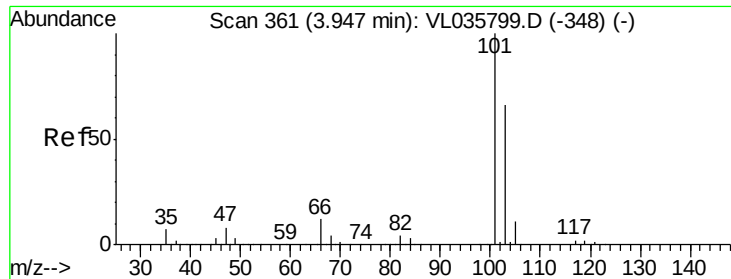
Tgt Ion: 43 Resp: 1508586

Ion Ratio Lower Upper

43 100

57 63.2 50.0 75.0

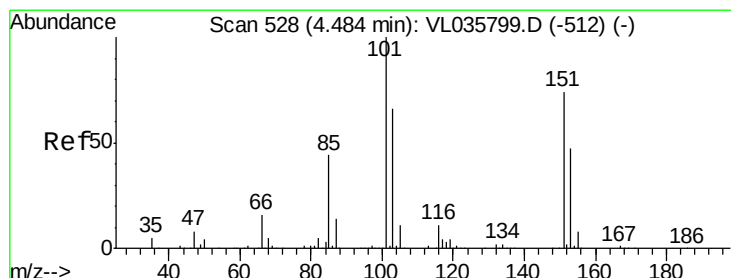
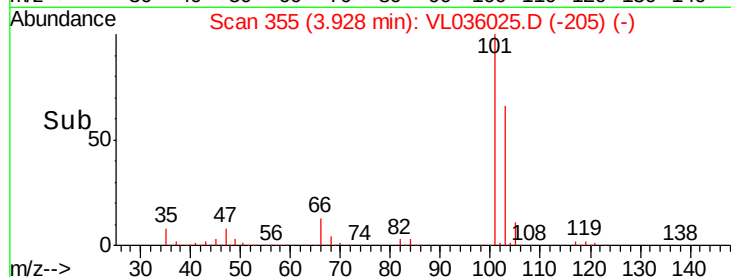
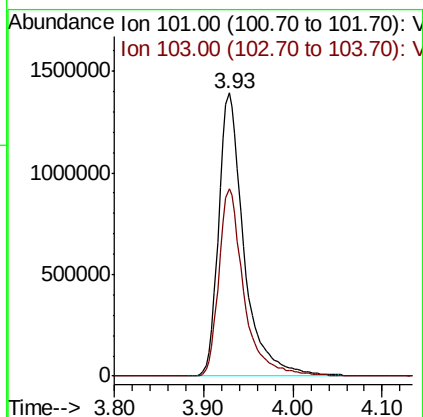
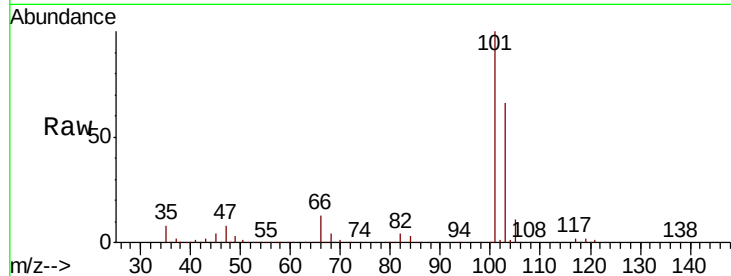




#11
 Trichlorofluoromethane
 Concen: 9.110 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

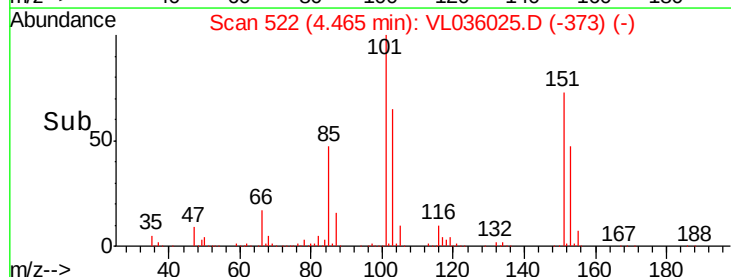
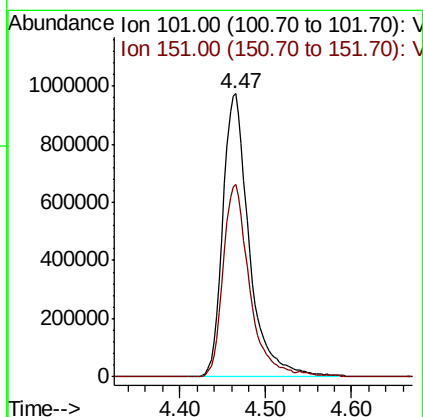
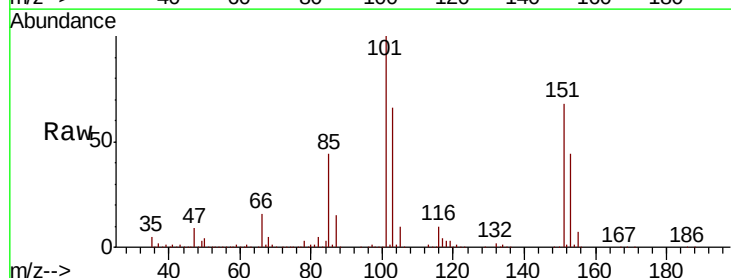
Instrument :
 MSVOA_L
 ClientSampleId :

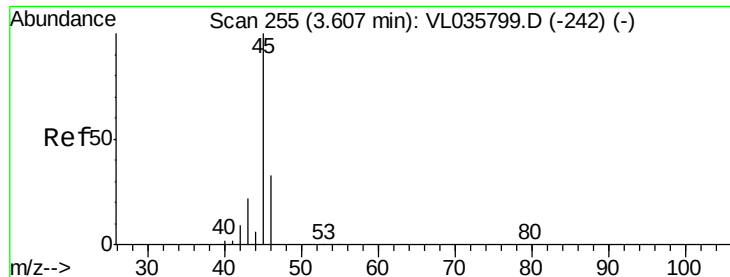
Tot Ion:101 Resp: 2742261
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.303 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion:101 Resp: 2084786
 Ion Ratio Lower Upper
 101 100
 151 68.7 58.9 88.3





#13

Ethanol

Concen: 8.381 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

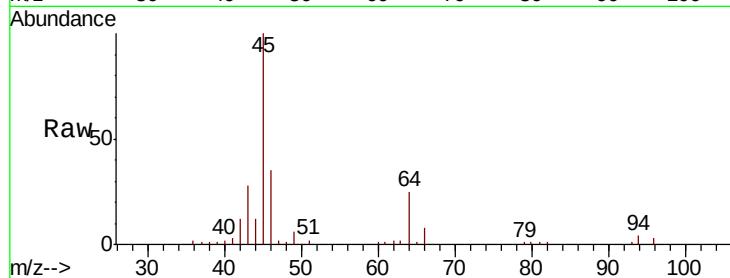
ClientSampled :

Tot Ion: 45 Resp: 101465

Ion Ratio Lower Upper

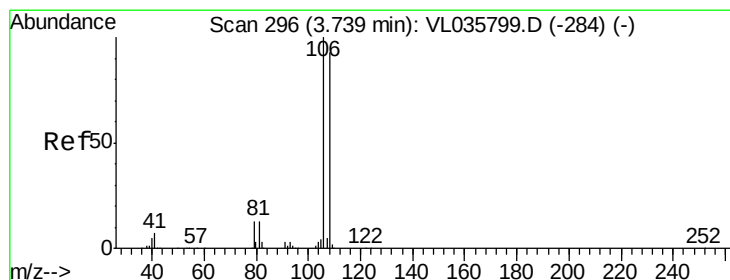
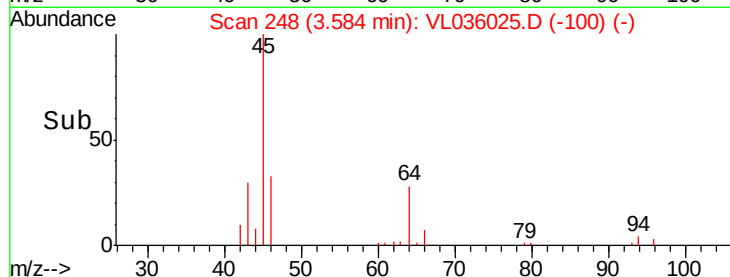
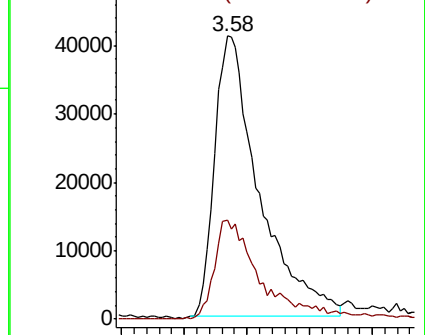
45 100

46 37.9 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.164 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

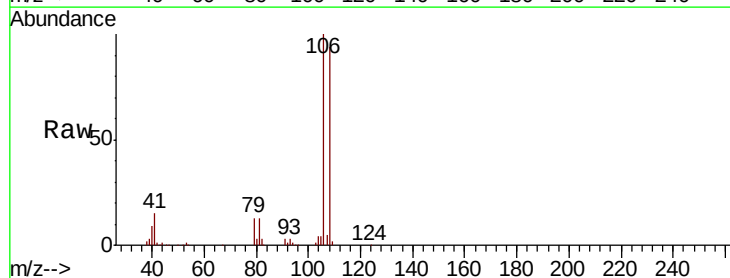
Tgt Ion: 108 Resp: 945153

Ion Ratio Lower Upper

108 100

106 105.9 85.3 127.9

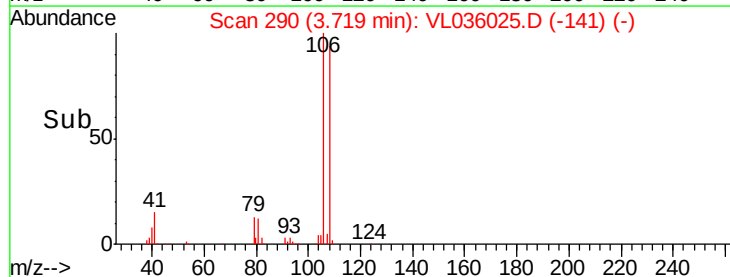
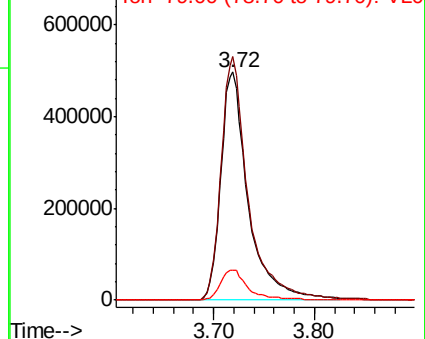
79 13.8 11.6 17.4

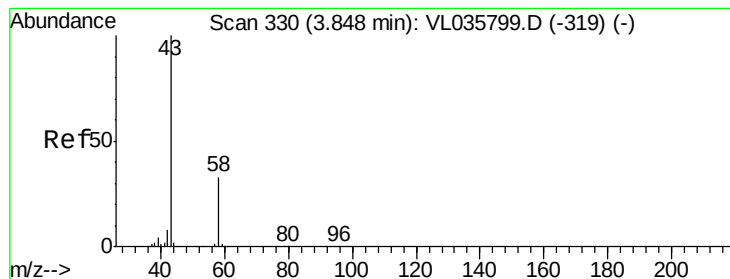


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.753 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

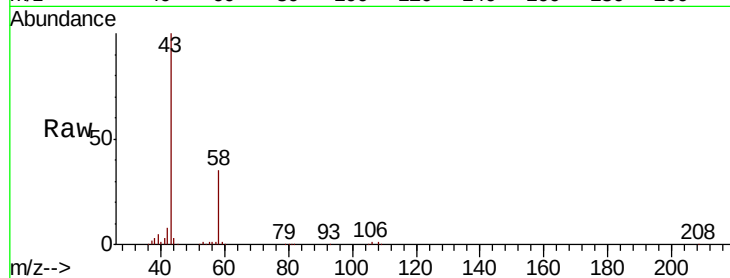
ClientSampleId :

Tot Ion: 43 Resp: 1191458

Ion Ratio Lower Upper

43 100

58 36.0 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

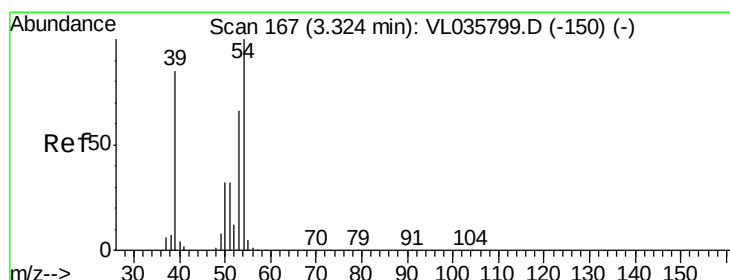
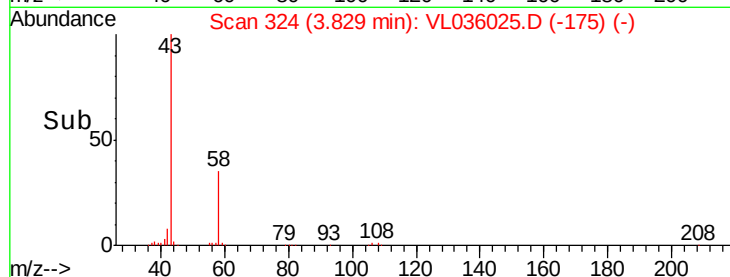
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.281 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL036025.D

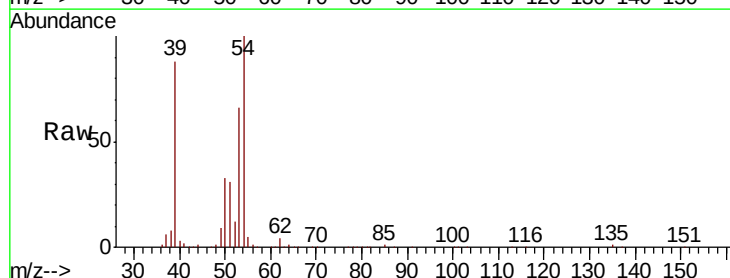
Acq: 25 Nov 2020 11:09

Tgt Ion: 39 Resp: 543950

Ion Ratio Lower Upper

39 100

54 111.3 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

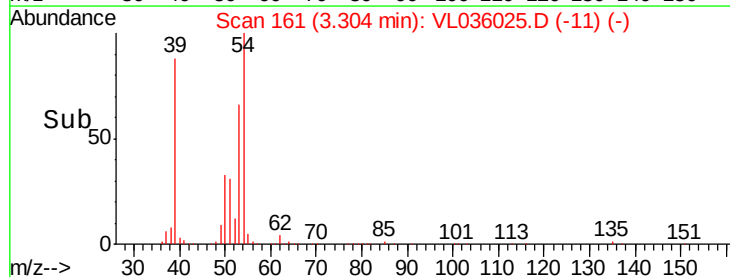
300000

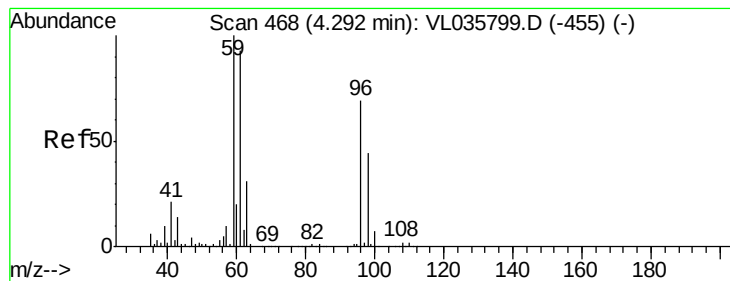
200000

100000

0

Time--> 3.20 3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 8.796 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

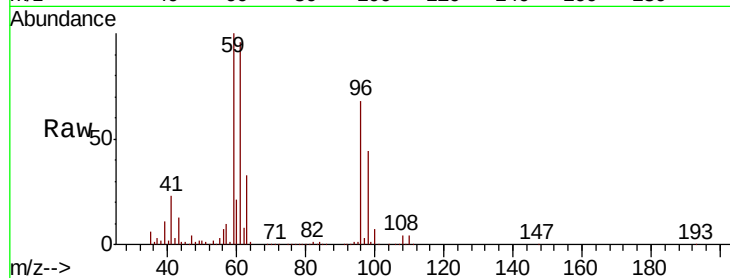
ClientSampleId :

Tot Ion: 59 Resp: 1586871

Ion Ratio Lower Upper

59 100

57 10.5 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

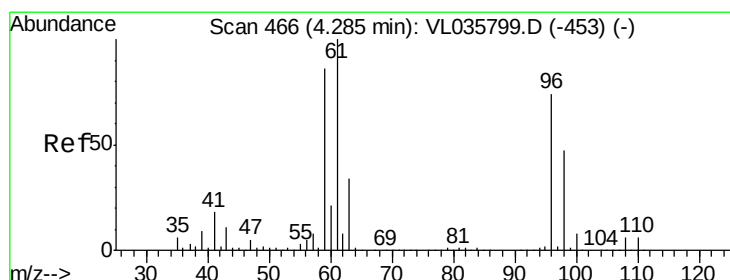
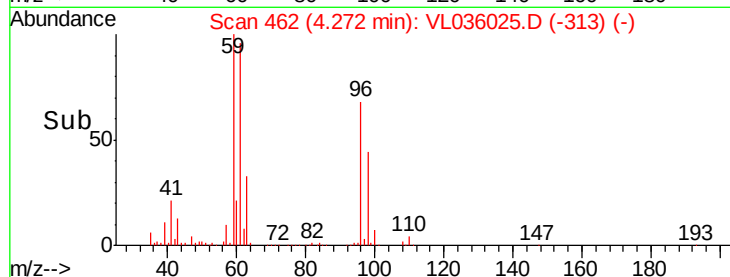
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.508 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

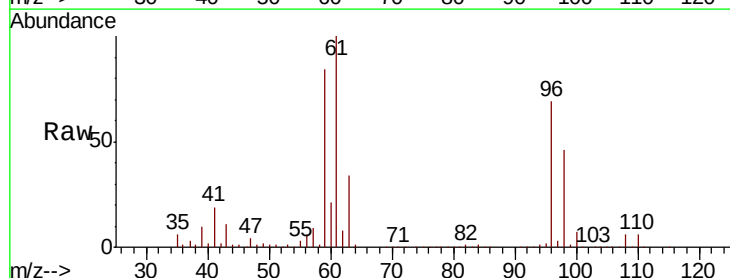
Tgt Ion: 96 Resp: 978357

Ion Ratio Lower Upper

96 100

61 144.3 108.5 162.7

98 65.8 50.7 76.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

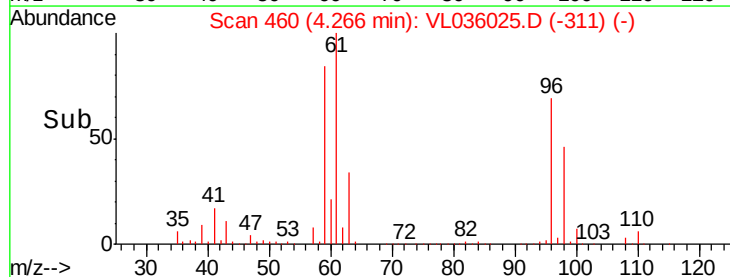
600000

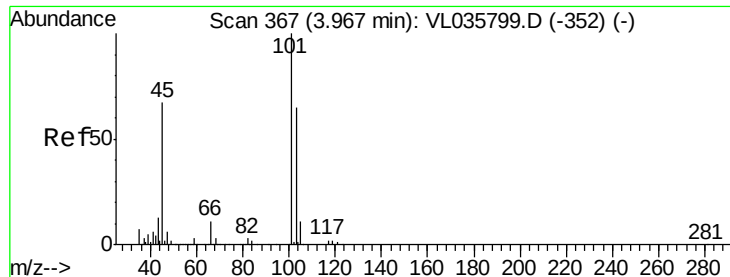
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.847 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

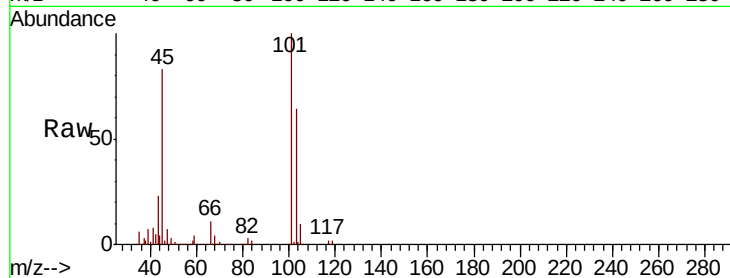
ClientSampleId :

Tot Ion: 45 Resp: 740050

Ion Ratio Lower Upper

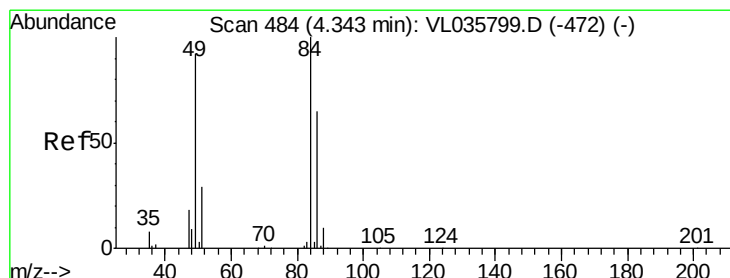
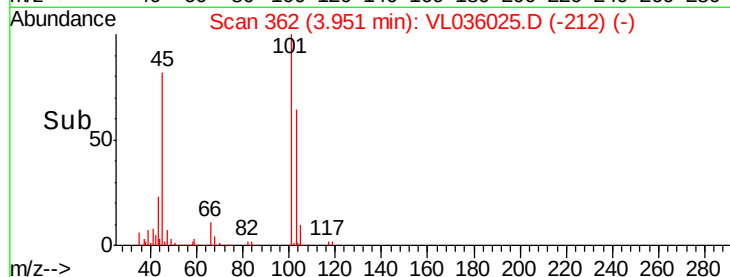
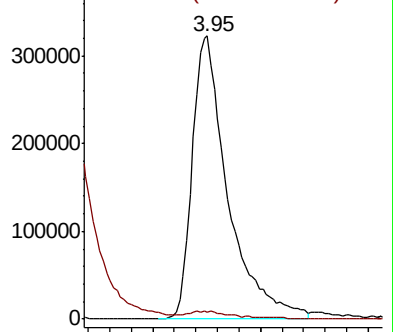
45 100

58 3.5 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: 8.371 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion: 84 Resp: 802172

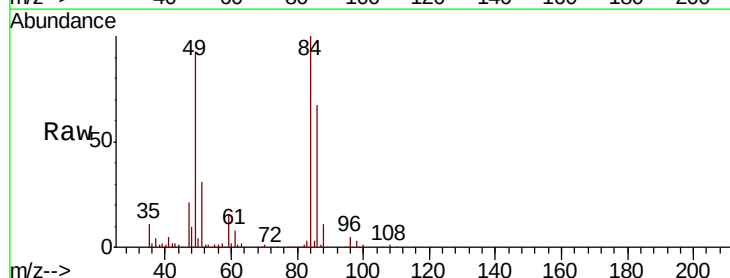
Ion Ratio Lower Upper

84 100

49 91.8 73.8 110.8

51 29.6 23.0 34.4

86 67.6 52.1 78.1

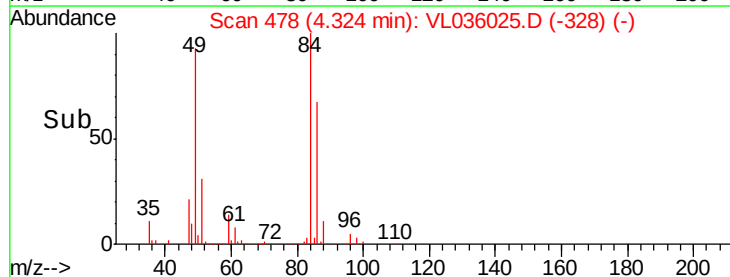
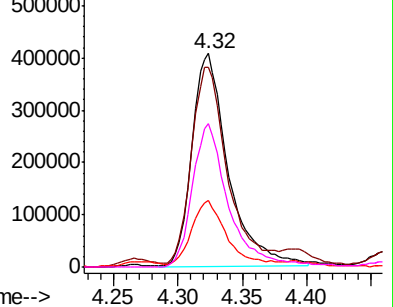


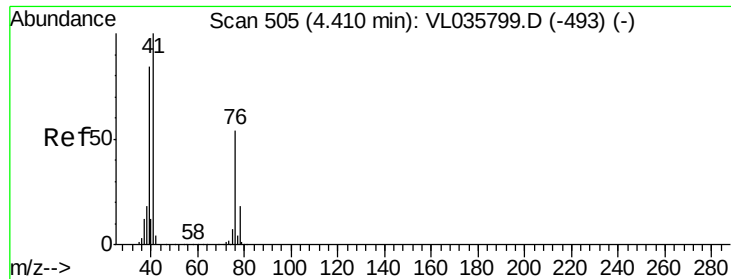
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

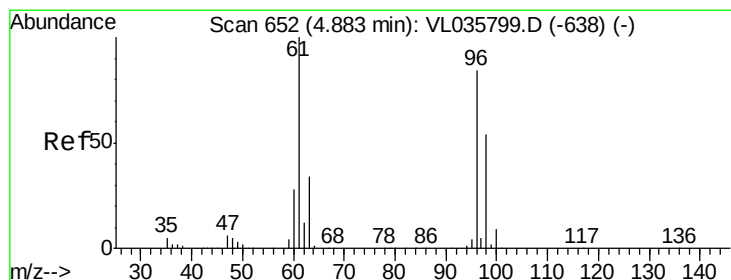
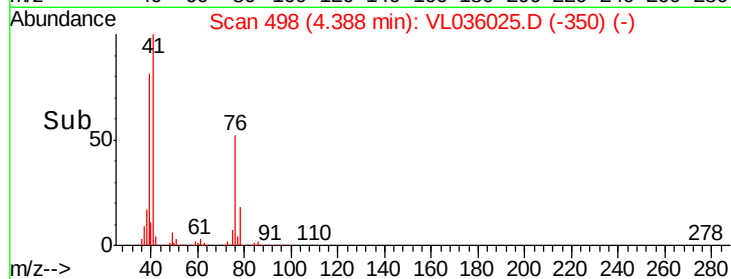
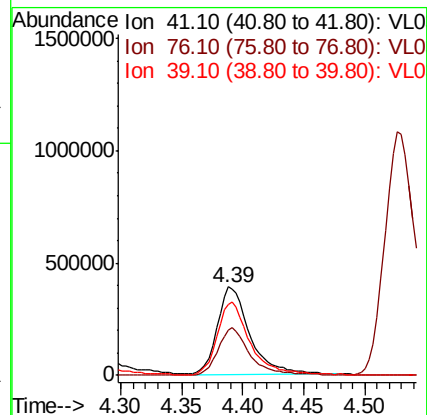
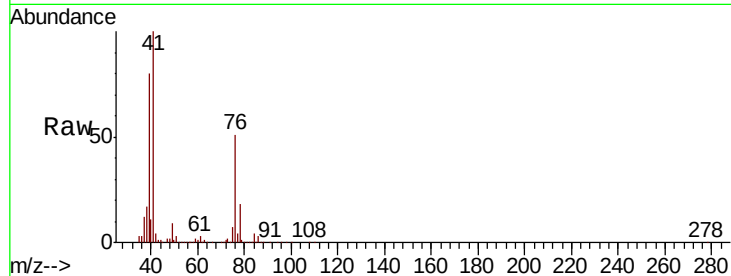




#21
Allvl Chloride
Concen: 9.911 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

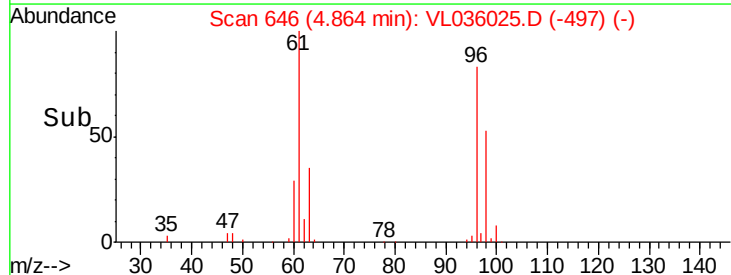
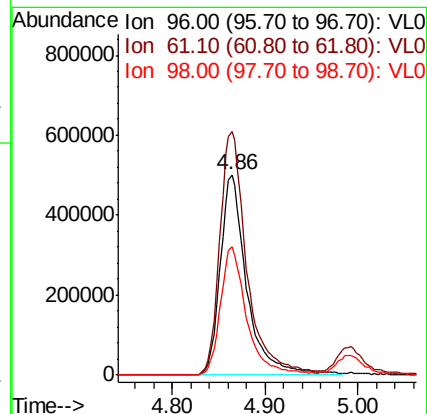
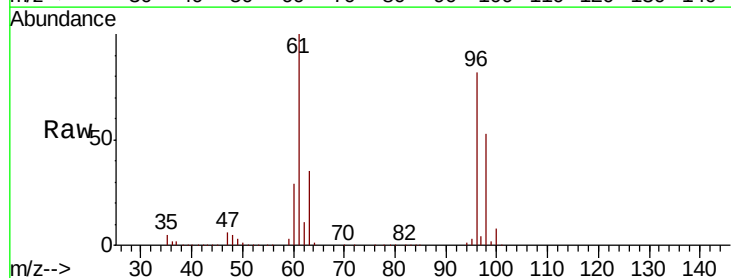
Instrument :
MSVOA_L
ClientSampleId :

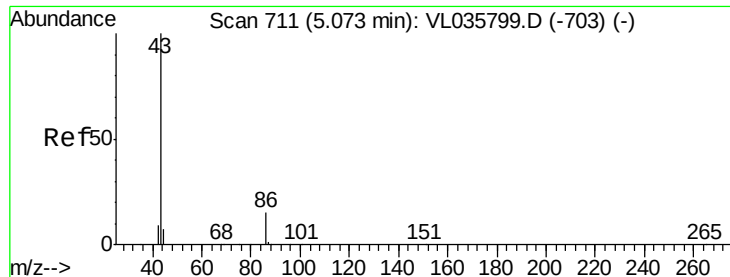
Tot Ion: 41 Resp: 729606
Ion Ratio Lower Upper
41 100
76 53.7 42.6 63.8
39 84.2 67.0 100.4



#22
trans-1,2-Dichloroethene
Concen: 9.509 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 96 Resp: 991940
Ion Ratio Lower Upper
96 100
61 121.7 95.4 143.0
98 63.9 51.8 77.6





#23

Vinyl Acetate

Concen: 8.973 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1712072

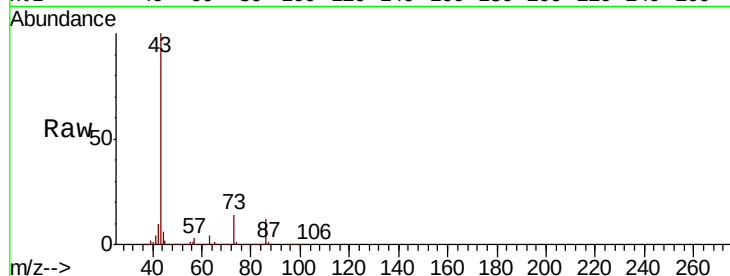
Ion Ratio Lower Upper

43 100

86 12.1 9.8 14.6

42 9.5 8.1 12.1

44 5.2 4.2 6.4

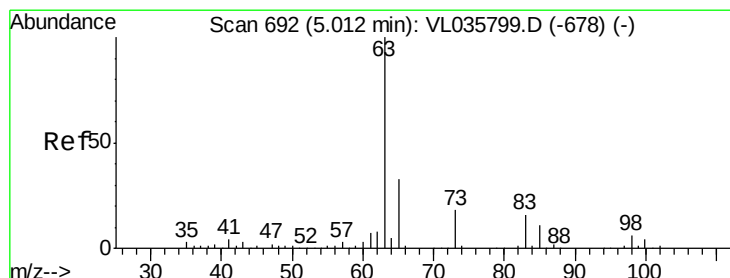
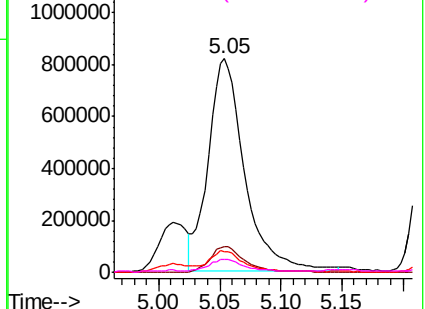
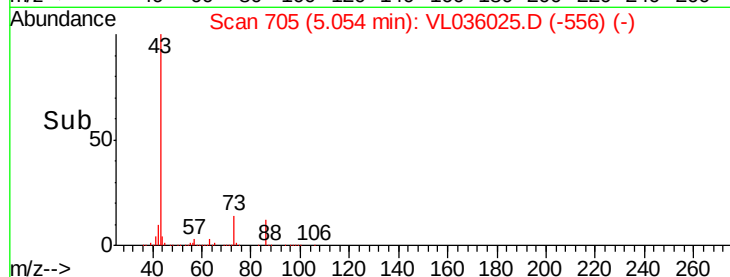


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.246 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

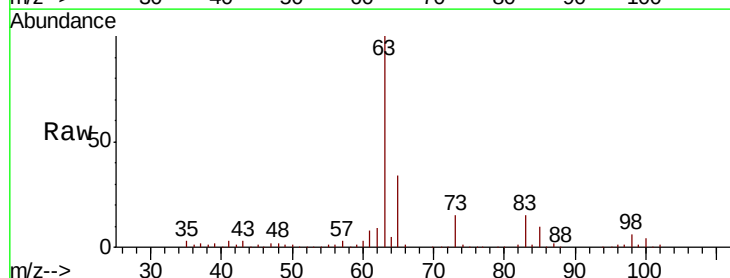
Tgt Ion: 63 Resp: 1680808

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

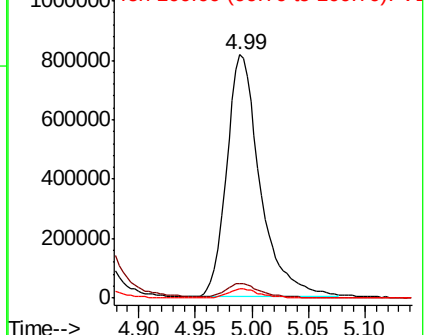
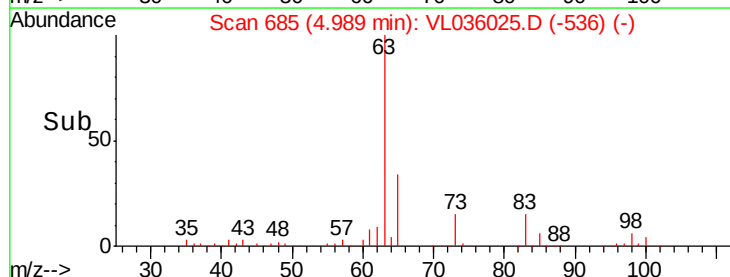
100 3.6 1.8 5.4

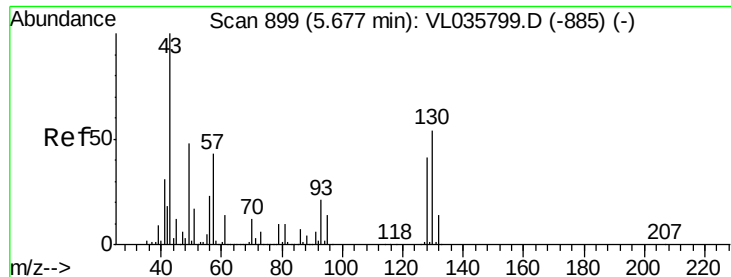


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



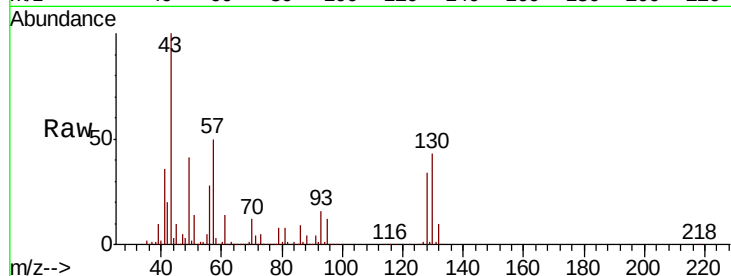


#25
Ethyl Acetate
Concen: 9.483 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2542930

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.5	12.7
61	13.8	10.7	16.1
70	10.5	8.6	12.8



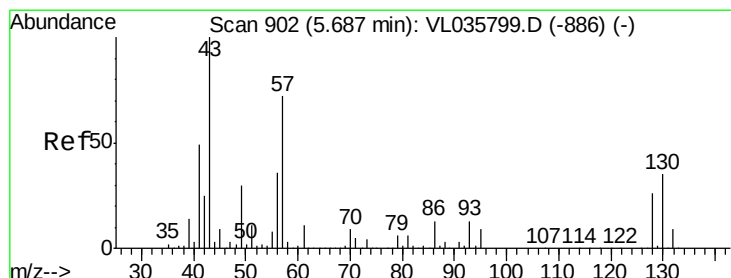
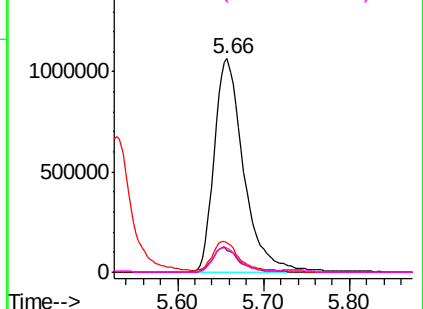
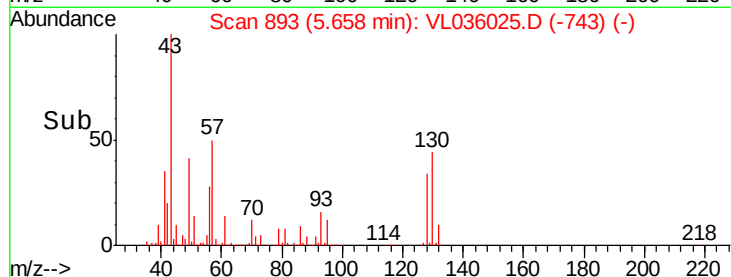
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

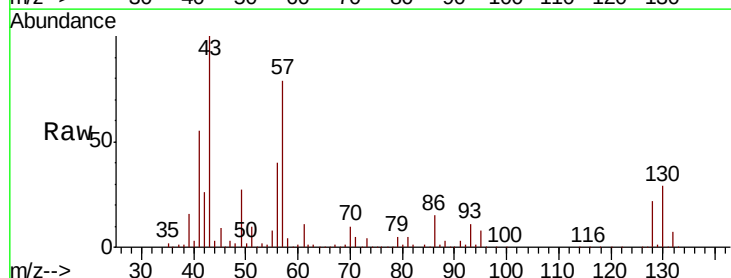
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.249 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 57 Resp: 1367904

Ion	Ratio	Lower	Upper
57	100		
41	73.1	58.9	88.3
43	186.8	150.2	225.2
56	52.9	42.4	63.6



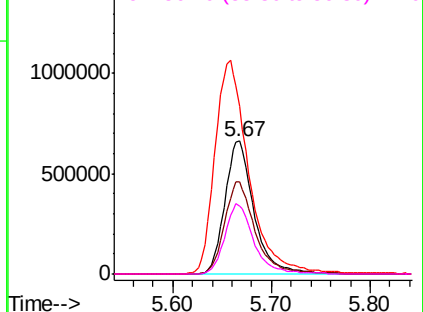
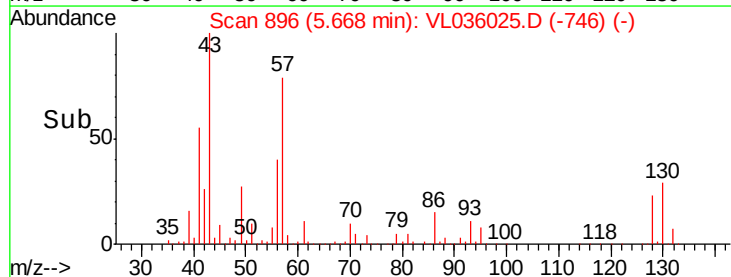
Abundance

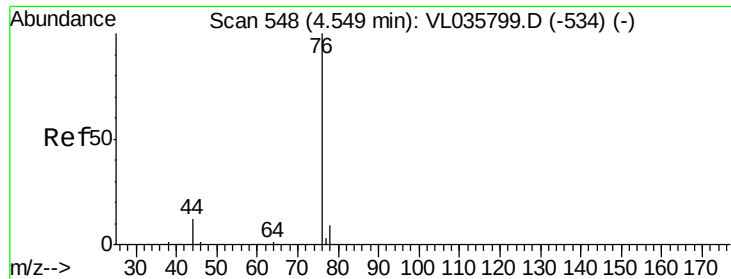
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.717 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleID :

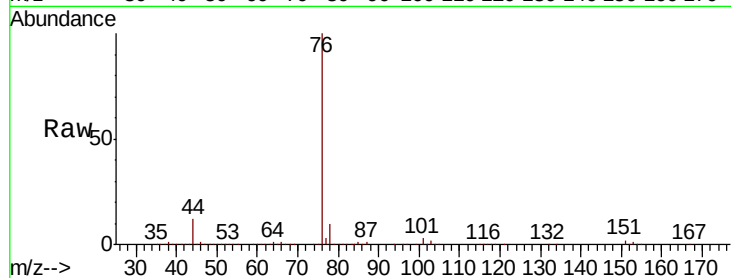
Tot Ion: 76 Resp: 2153349

Ion Ratio Lower Upper

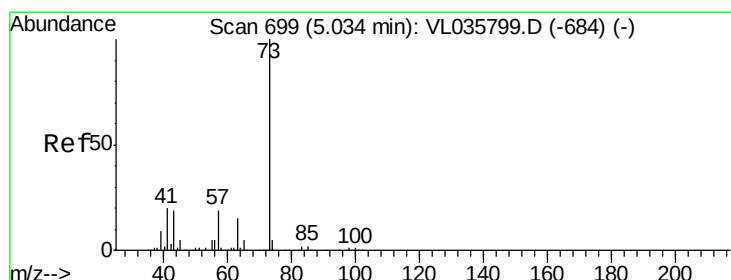
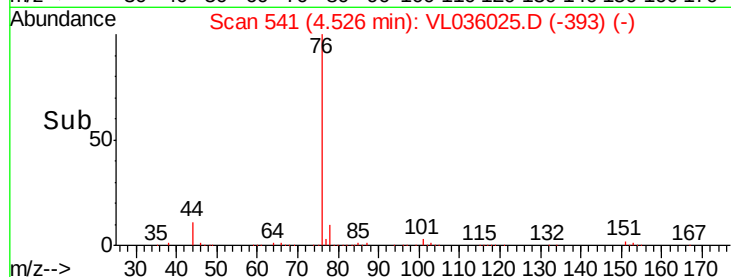
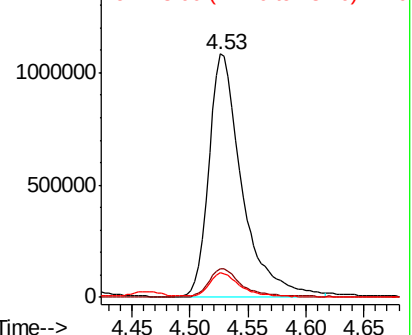
76 100

44 11.7 9.9 14.9

78 10.0 8.1 12.1



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



#28

Methyl tert-Butyl Ether

Concen: 8.738 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.02 min

Lab File: VL036025.D

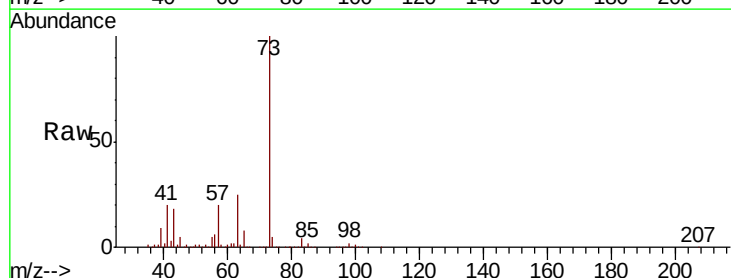
Acq: 25 Nov 2020 11:09

Tgt Ion: 73 Resp: 2320757

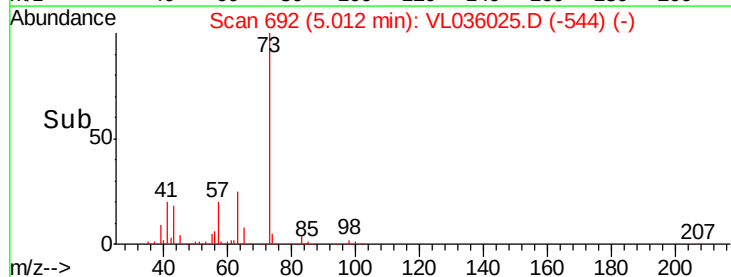
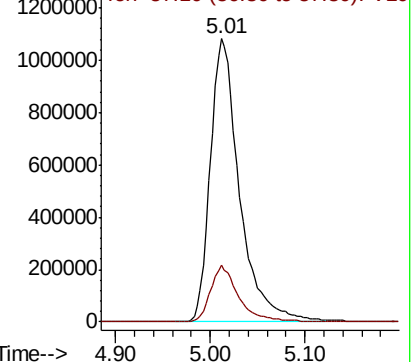
Ion Ratio Lower Upper

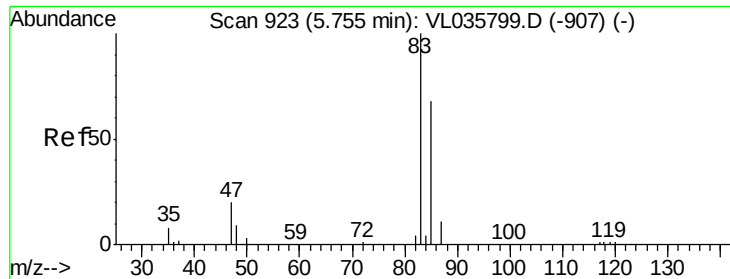
73 100

57 19.3 15.4 23.2



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

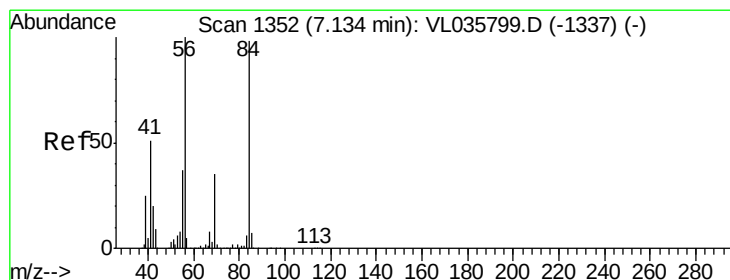
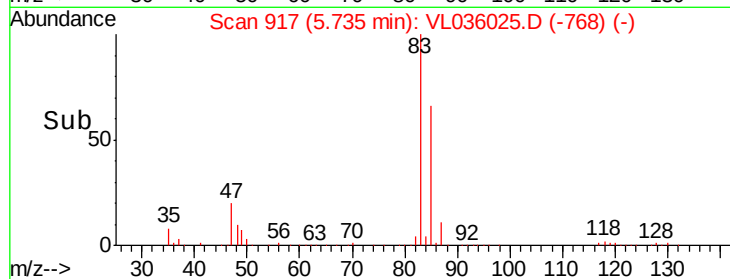
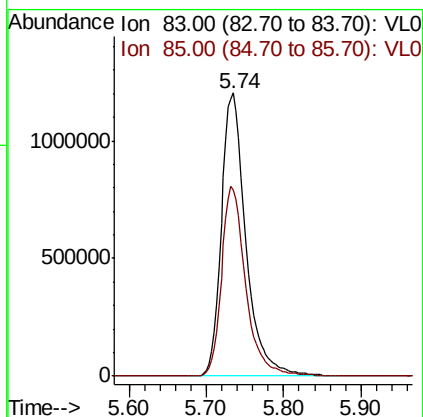
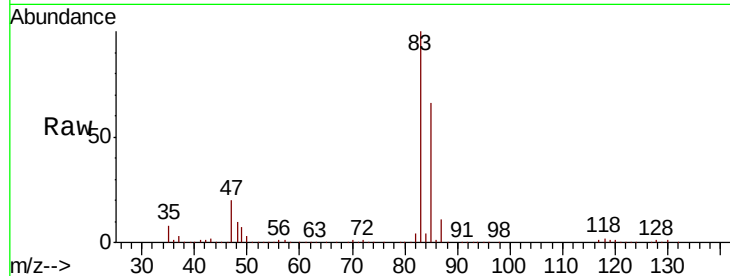




#29
Chloroform
Concen: 9.125 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

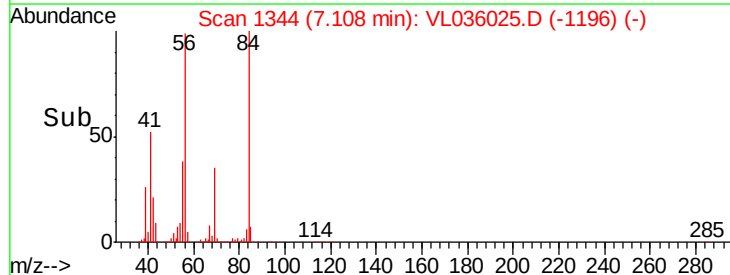
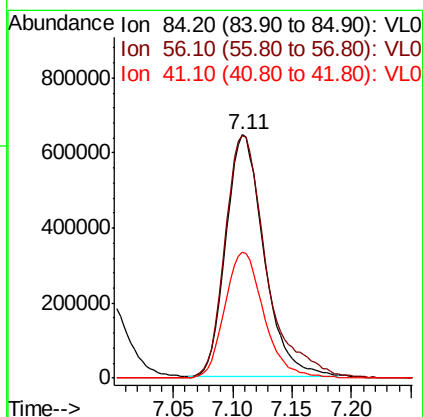
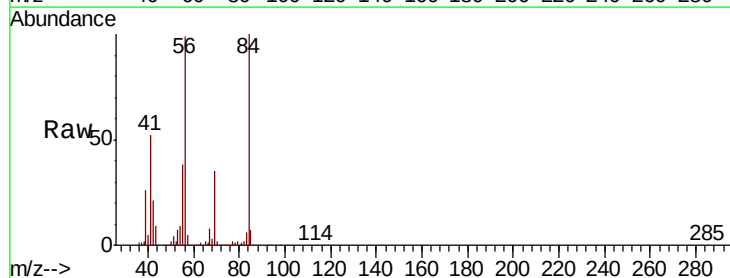
Instrument :
MSVOA_L
ClientSampled :

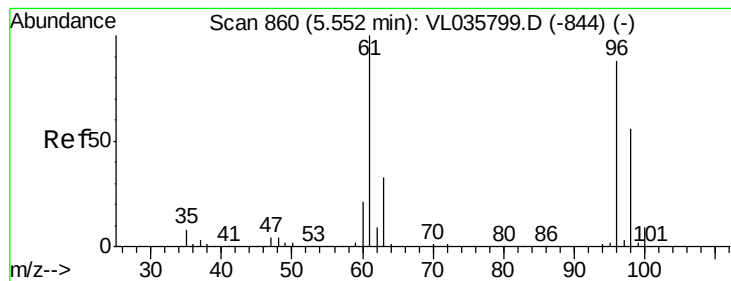
Tot Ion: 83 Resp: 2652359
Ion Ratio Lower Upper
83 100
85 65.6 54.6 81.8



#30
Cyclohexane
Concen: 8.909 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 84 Resp: 1434936
Ion Ratio Lower Upper
84 100
56 109.1 86.4 129.6
41 53.7 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.136 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampled :

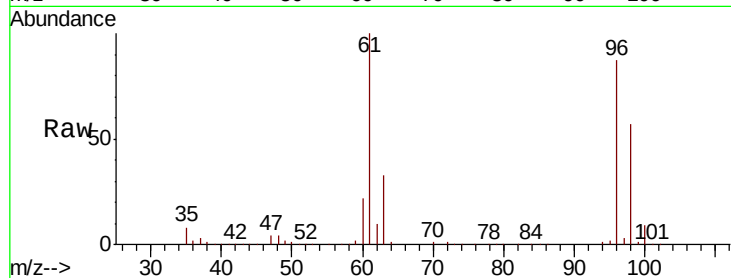
Tot Ion: 61 Resp: 1389943

Ion Ratio Lower Upper

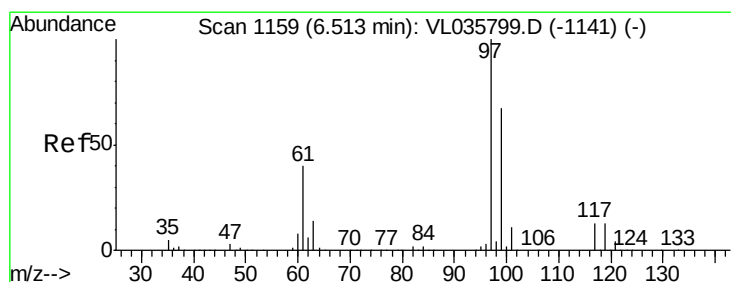
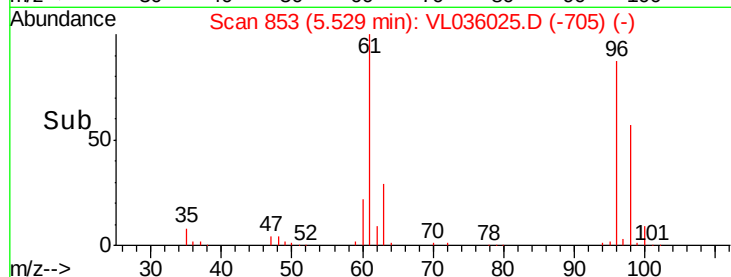
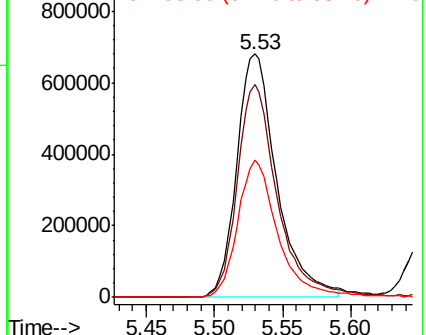
61 100

96 87.3 70.3 105.5

98 56.6 45.0 67.6



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



#32

1,1,1-Trichloroethane

Concen: 8.389 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

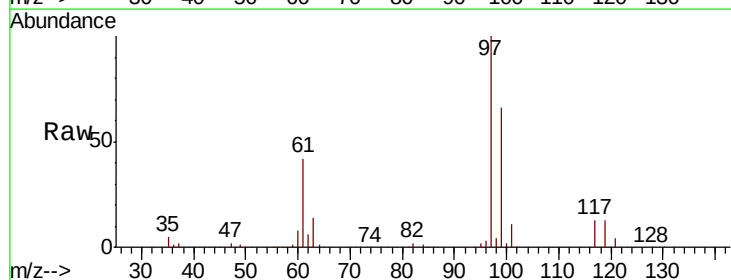
Tgt Ion: 97 Resp: 2544489

Ion Ratio Lower Upper

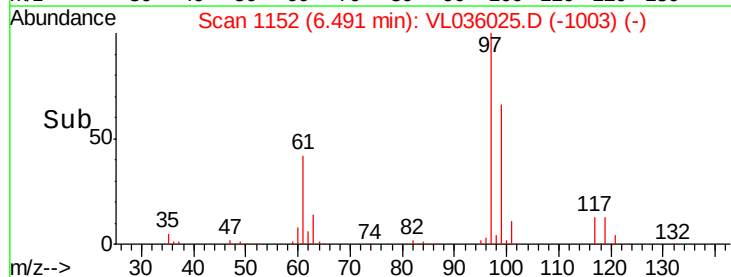
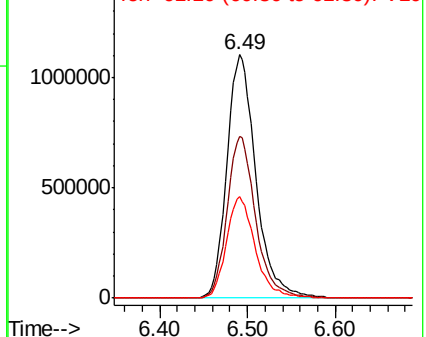
97 100

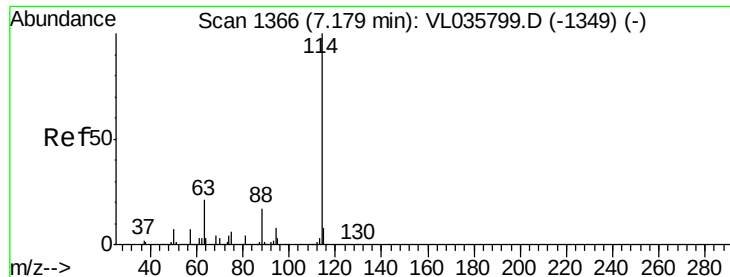
99 65.4 52.3 78.5

61 41.6 32.0 48.0



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

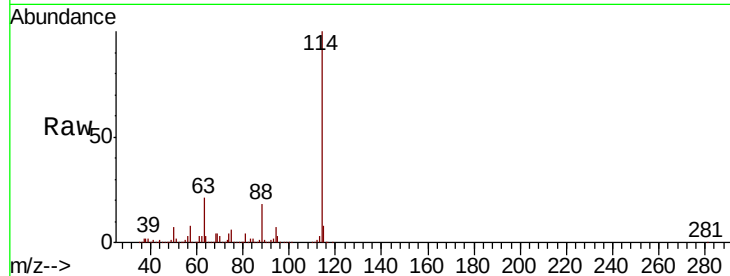




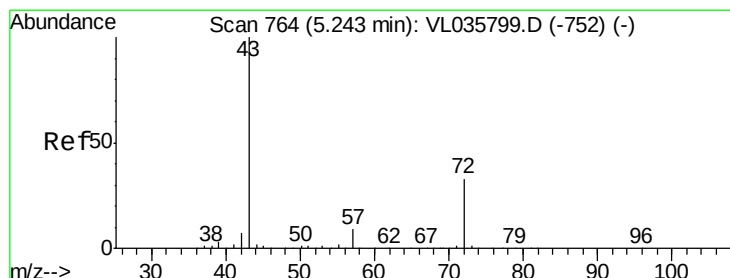
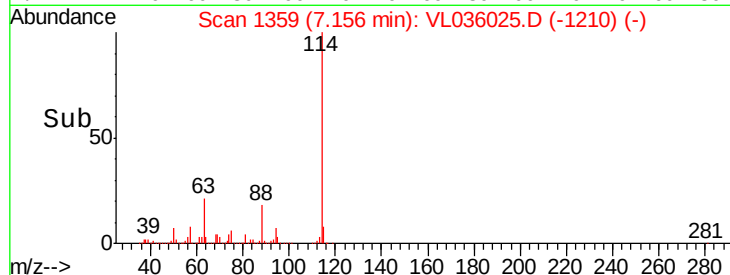
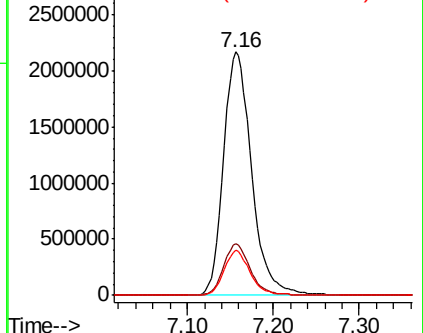
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4928784
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 17.3 13.7 20.5

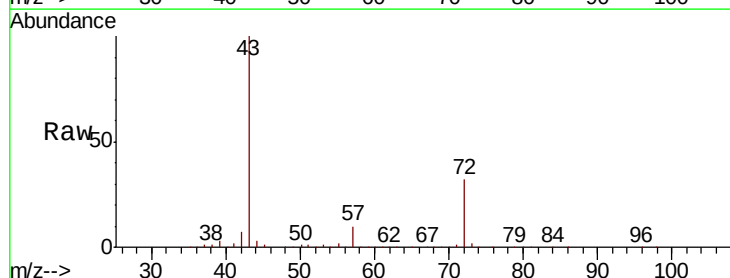


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

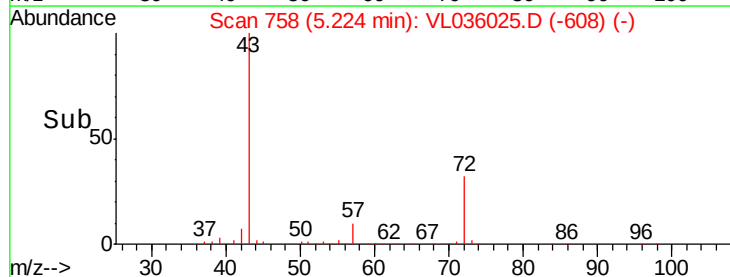
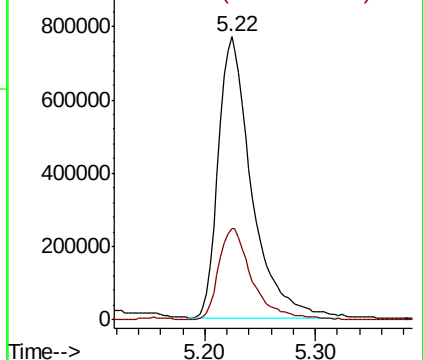


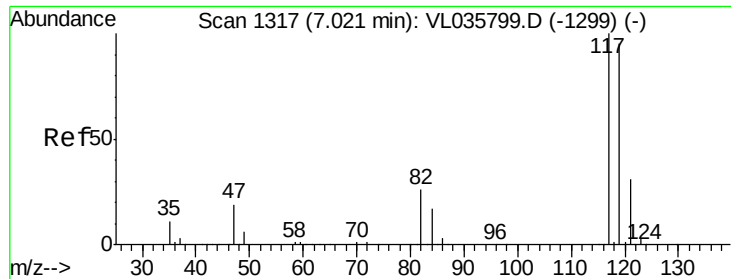
#34
 2-Butanone
 Concen: 10.082 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 43 Resp: 1612762
 Ion Ratio Lower Upper
 43 100
 72 33.3 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: 9.476 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampled :

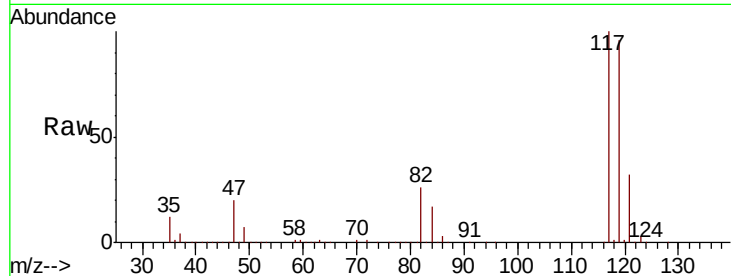
Tot Ion:117 Resp: 2495519

Ion Ratio Lower Upper

117 100

119 96.0 75.6 113.4

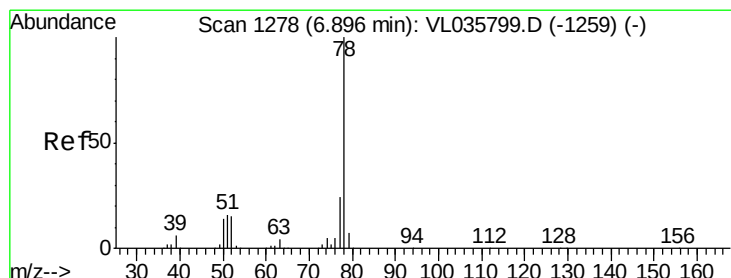
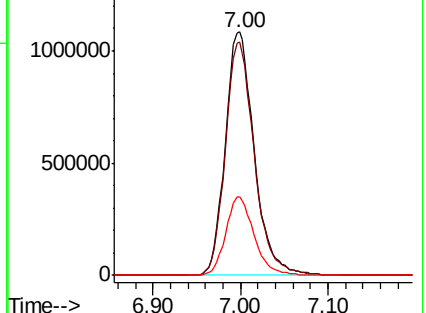
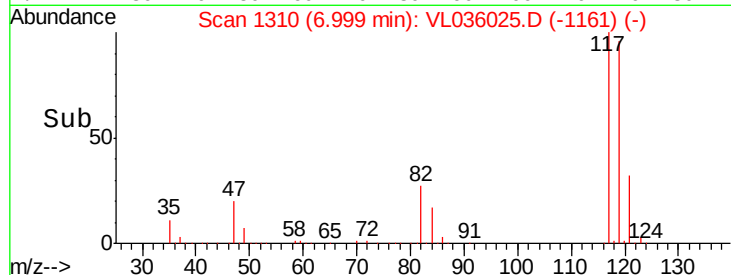
121 32.0 25.1 37.7



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: 9.274 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

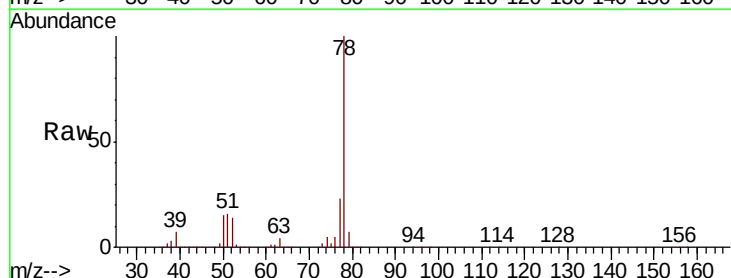
Tgt Ion: 78 Resp: 3398059

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

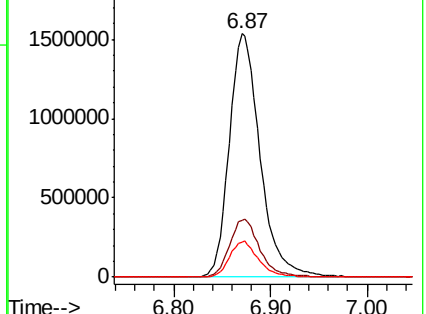
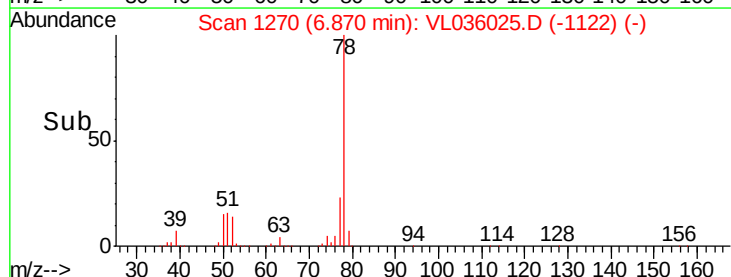
50 14.6 11.4 17.2

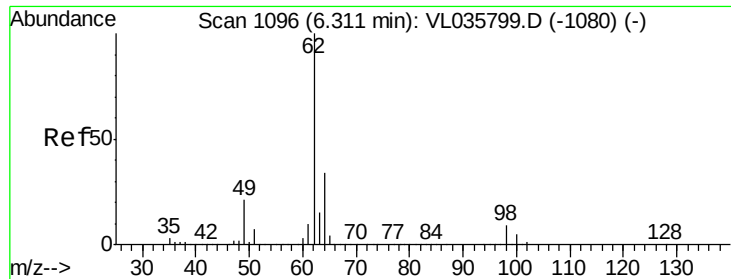


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

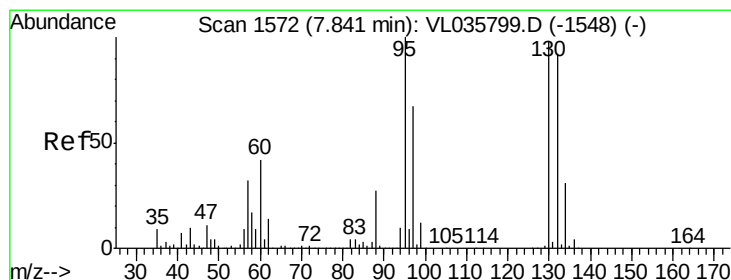
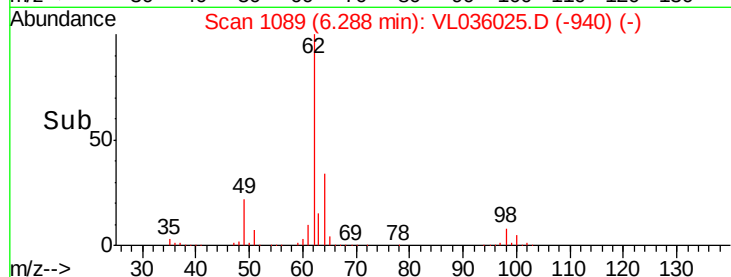
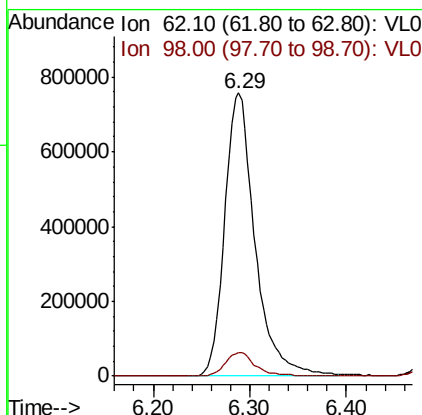
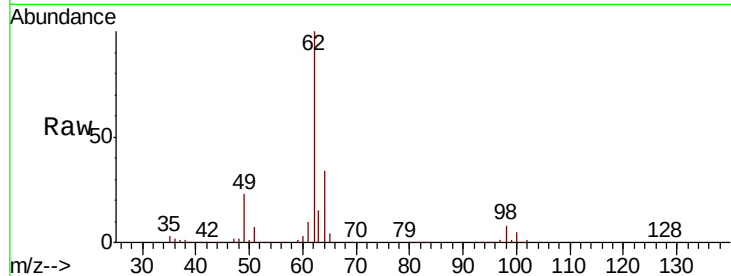




#37
 1,2-Dichloroethane
 Concen: 9.935 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

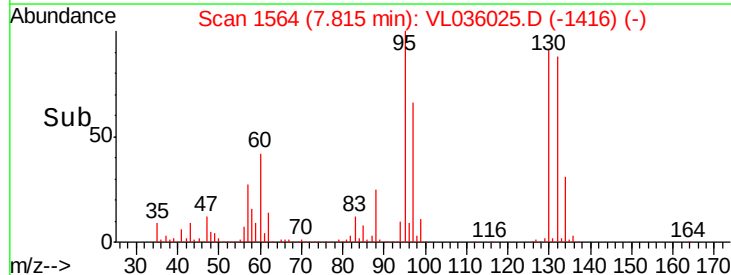
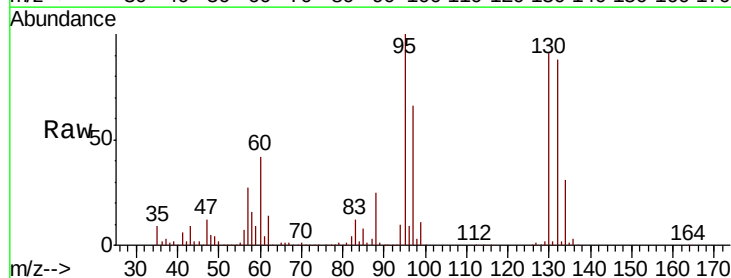
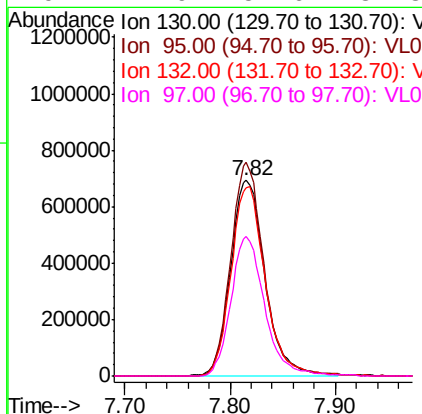
Instrument :
 MSVOA_L
 ClientSampleId :

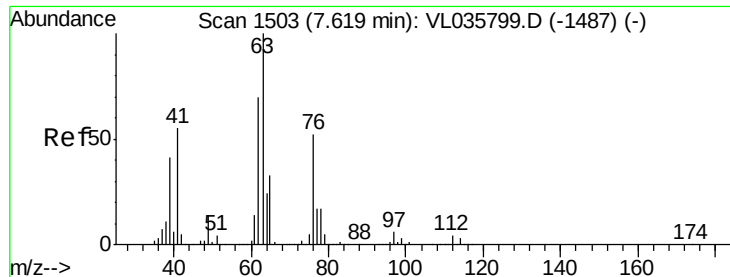
Tot Ion: 62 Resp: 1649233
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3



#38
 Trichloroethene
 Concen: 8.627 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 130 Resp: 1544018
 Ion Ratio Lower Upper
 130 100
 95 109.7 81.6 122.4
 132 96.3 75.1 112.7
 97 71.9 54.6 81.8





#39

1,2-Dichloropropane

Concen: 9.493 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

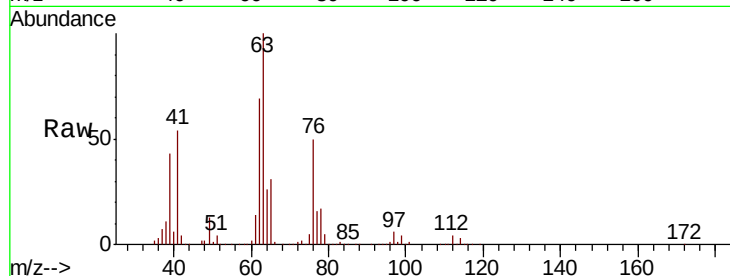
Tot Ion: 63 Resp: 1171039

Ion Ratio Lower Upper

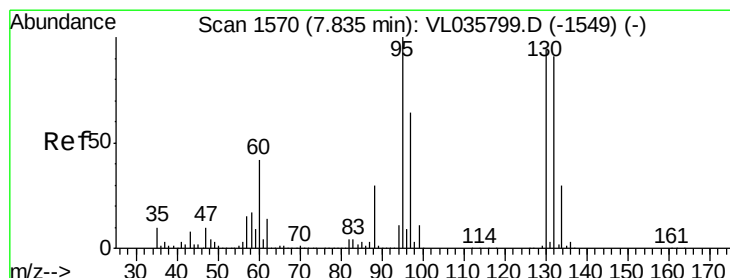
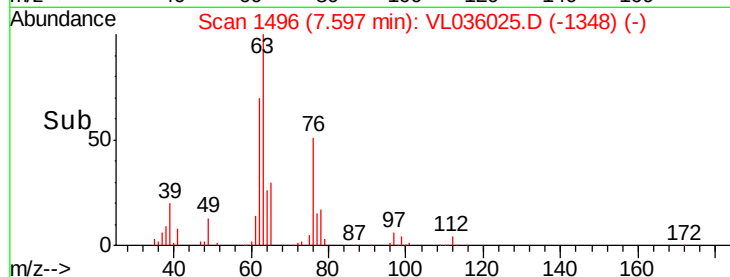
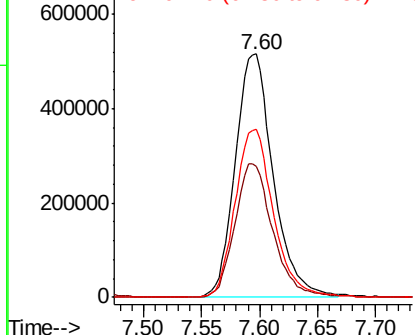
63 100

41 53.6 43.8 65.6

62 69.1 56.2 84.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.840 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion: 88 Resp: 516840

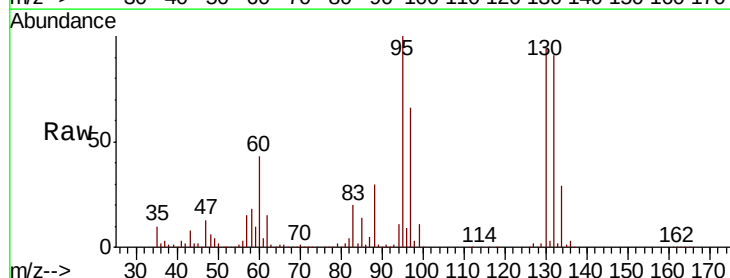
Ion Ratio Lower Upper

88 100

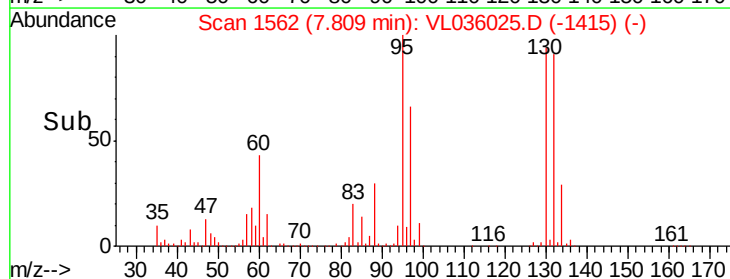
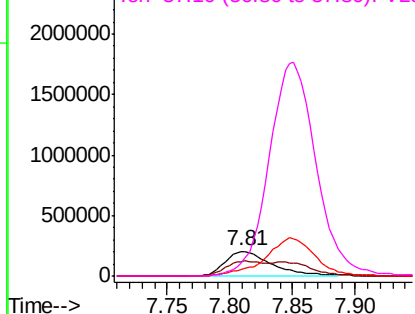
58 101.7 76.2 114.2

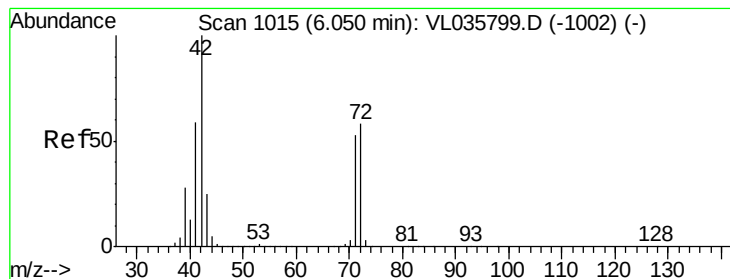
43 0.0 123.1 184.7#

57 0.0 661.0 991.4#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.353 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampled :

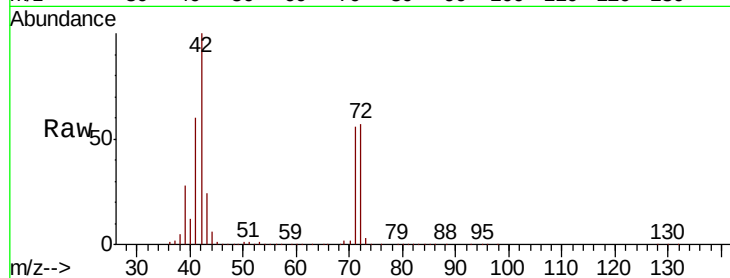
Tot Ion: 42 Resp: 940898

Ion Ratio Lower Upper

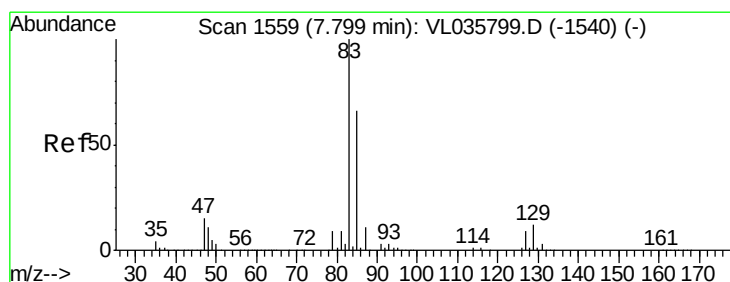
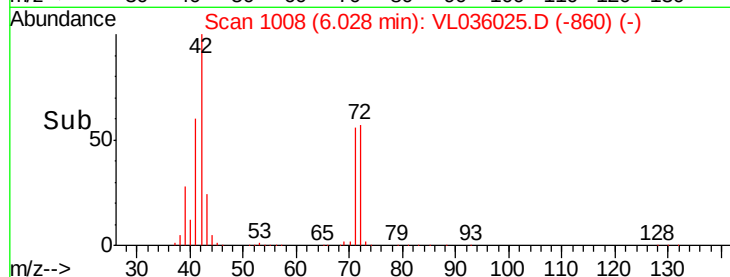
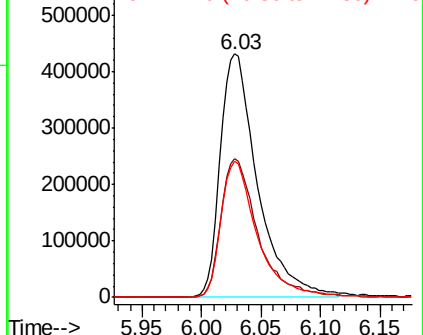
42 100

72 57.1 45.4 68.0

71 54.9 43.4 65.2



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



#42

Bromodichloromethane

Concen: 9.755 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

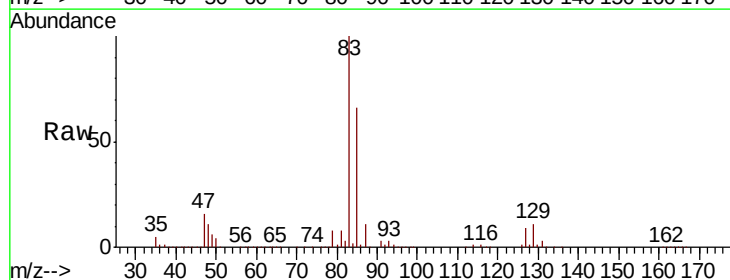
Tgt Ion: 83 Resp: 2732490

Ion Ratio Lower Upper

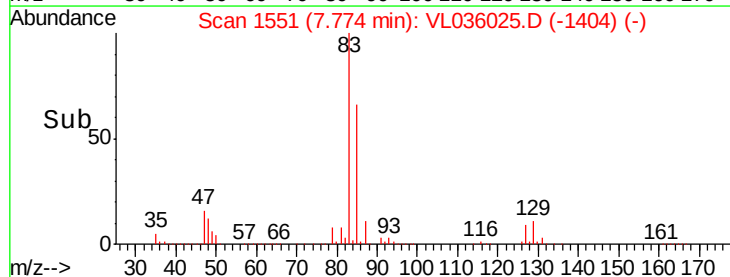
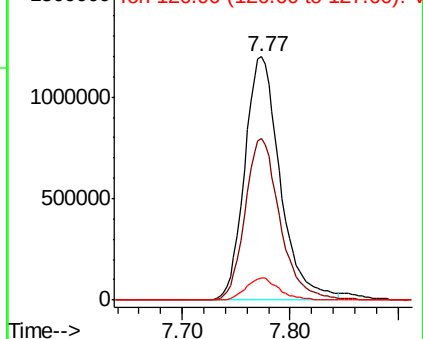
83 100

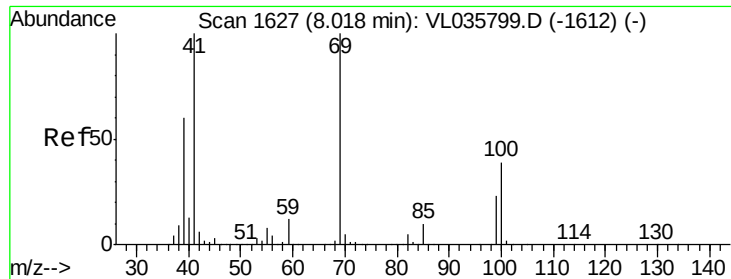
85 66.3 53.1 79.7

127 8.9 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

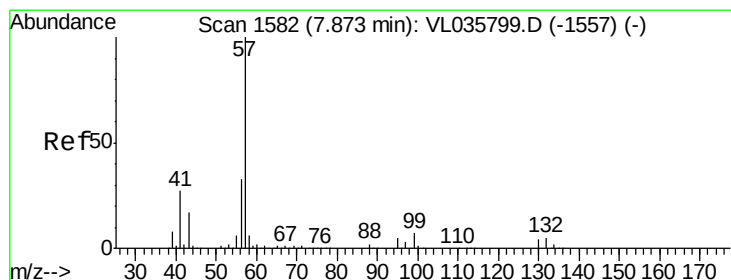
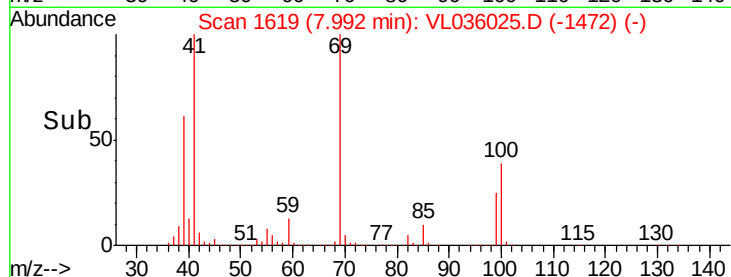
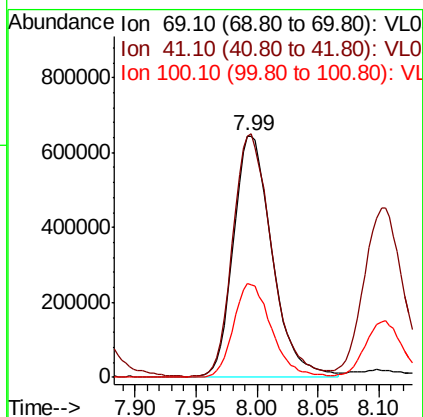
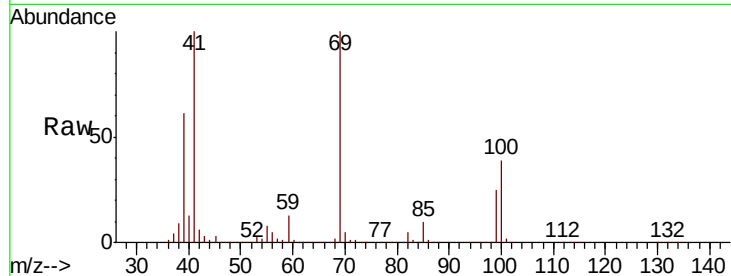




#43
Methyl Methacrylate
Concen: 10.148 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

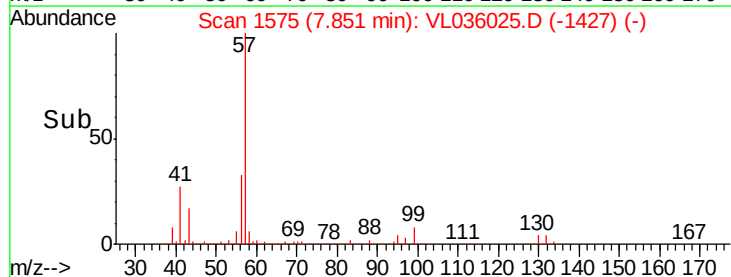
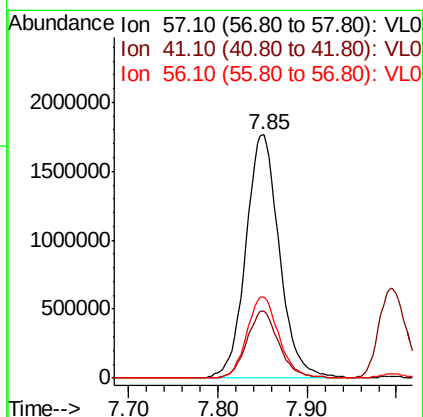
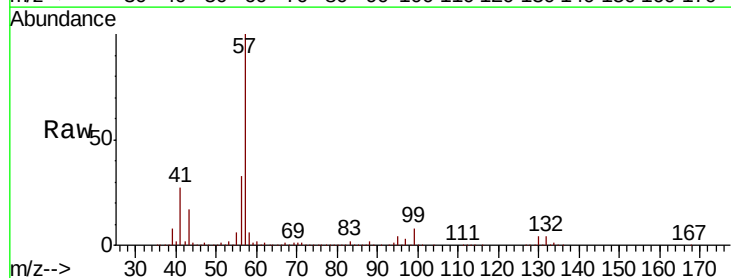
Instrument :
MSVOA_L
ClientSampleId :

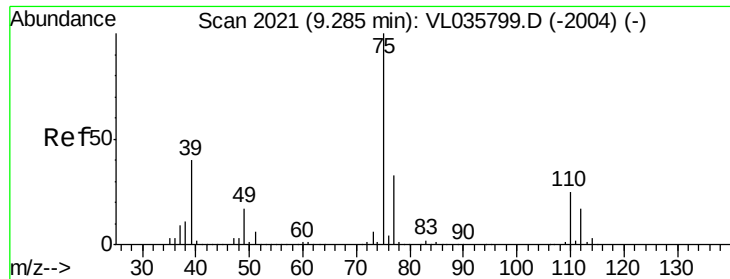
Tot Ion: 69 Resp: 1418387
Ion Ratio Lower Upper
69 100
41 101.0 81.1 121.7
100 38.3 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 9.530 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 57 Resp: 4620933
Ion Ratio Lower Upper
57 100
41 26.3 21.0 31.4
56 32.1 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.247 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

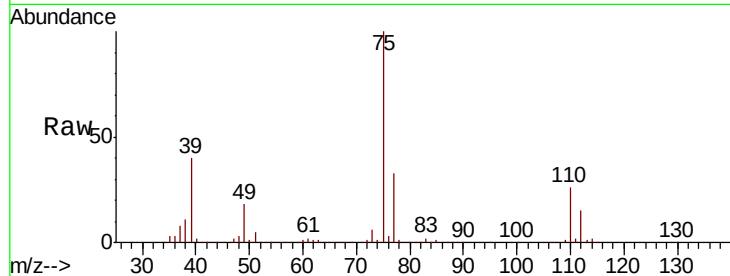
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1518287

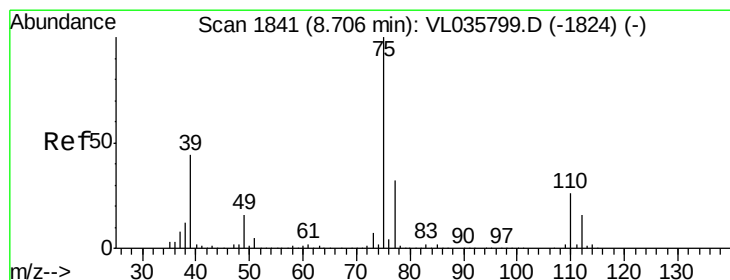
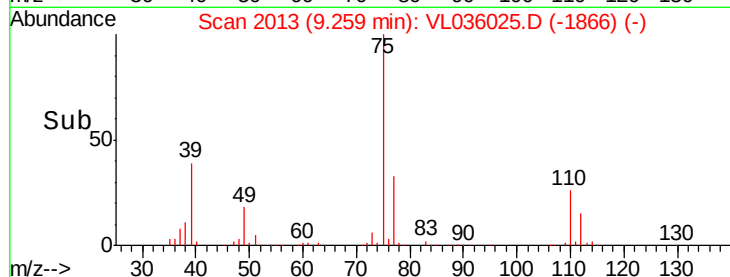
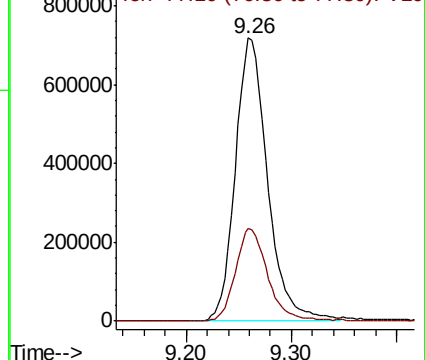
Ion Ratio Lower Upper

75 100

77 32.9 26.4 39.6



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.967 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

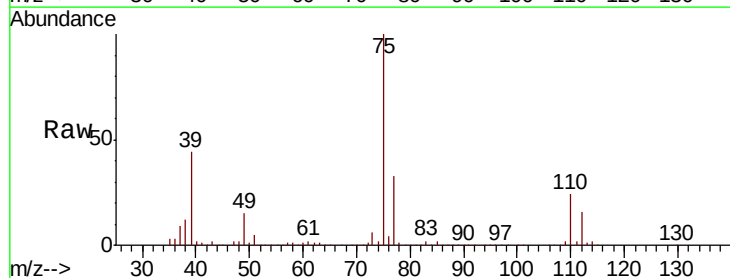
Tgt Ion: 75 Resp: 1870281

Ion Ratio Lower Upper

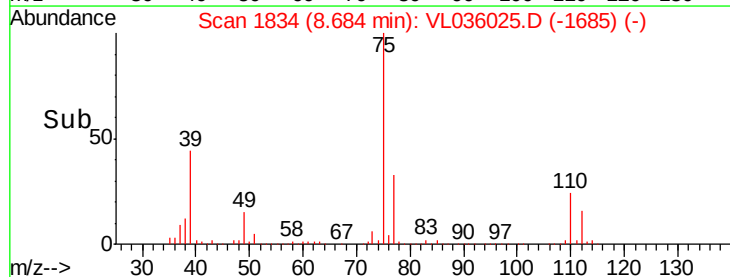
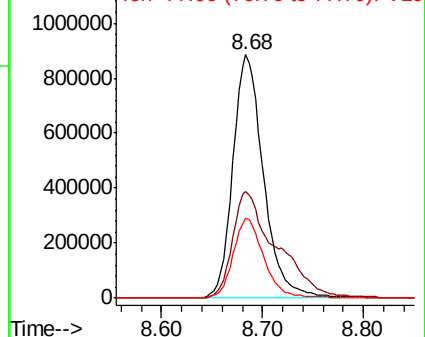
75 100

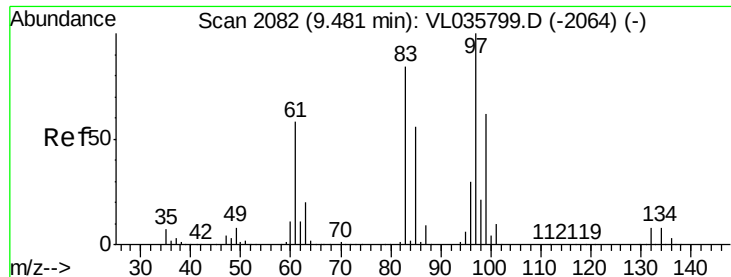
39 43.9 35.1 52.7

77 32.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0
Ion 39.00 (38.70 to 39.70): VL0
Ion 77.00 (76.70 to 77.70): VL0



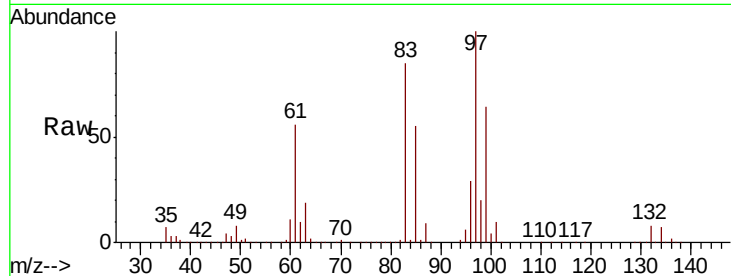


#47
 1,1,2-Trichloroethane
 Concen: 9.542 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

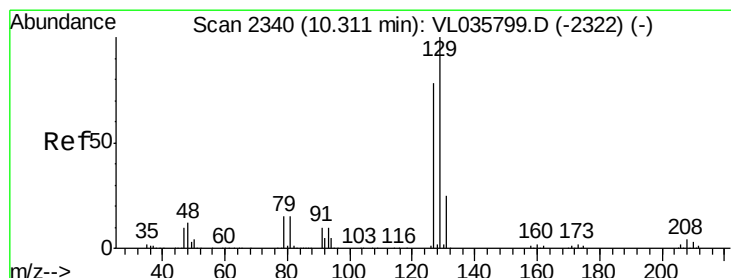
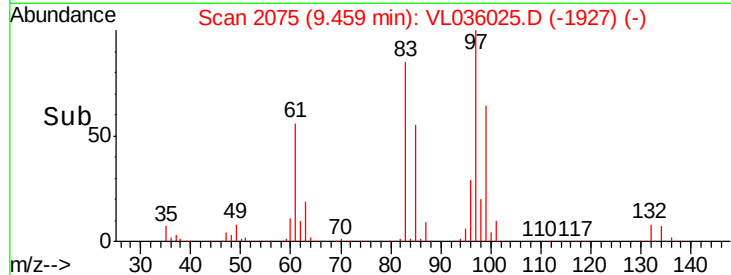
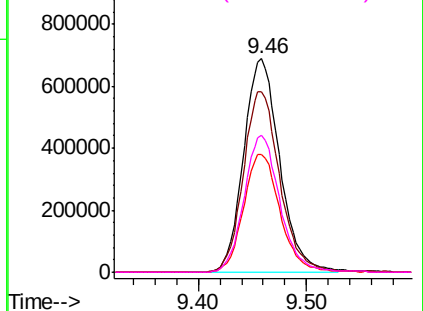
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1603903

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.1	100.7
85	55.0	44.7	67.1
99	64.2	49.7	74.5



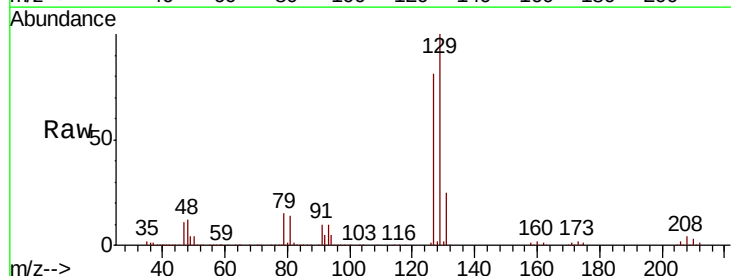
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



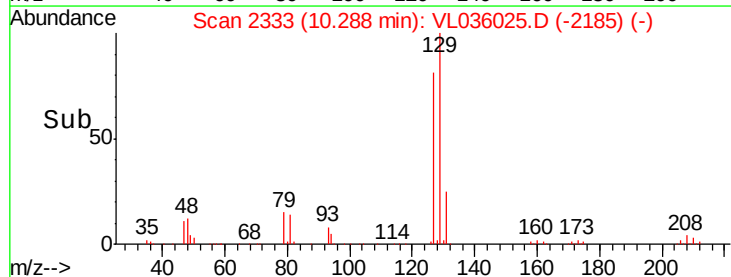
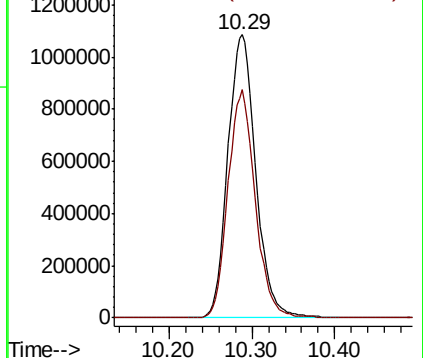
#48
 Dibromochloromethane
 Concen: 9.895 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

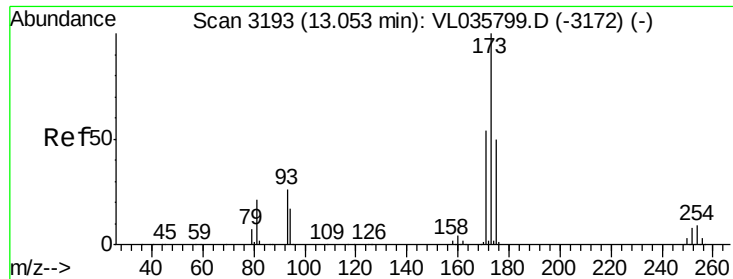
Tgt Ion: 129 Resp: 2541064

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.810 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

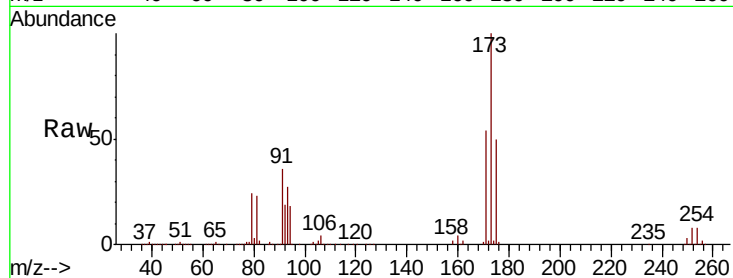
Tot Ion:173 Resp: 2125874

Ion Ratio Lower Upper

173 100

175 50.0 40.1 60.1

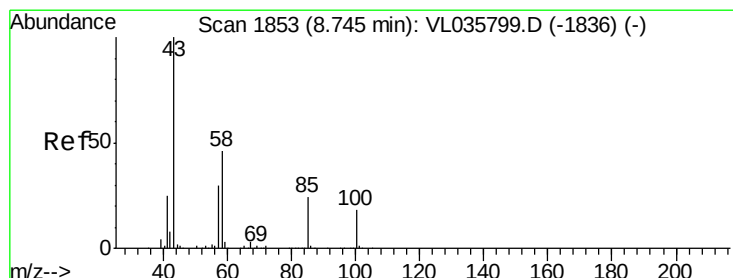
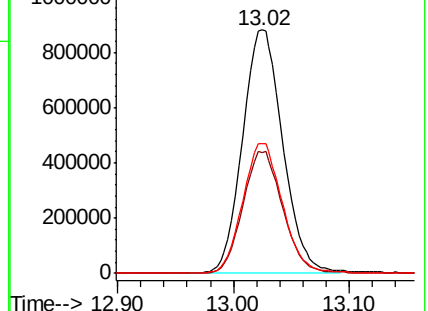
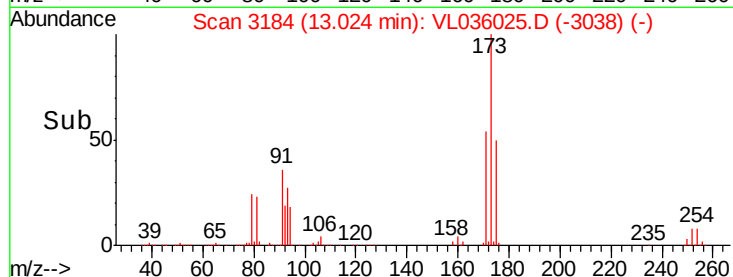
171 53.2 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.357 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.02 min

Lab File: VL036025.D

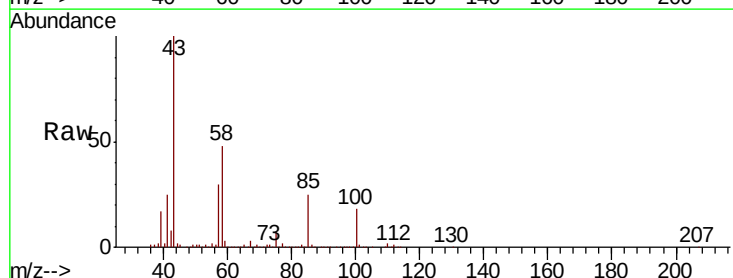
Acq: 25 Nov 2020 11:09

Tgt Ion: 43 Resp: 2533284

Ion Ratio Lower Upper

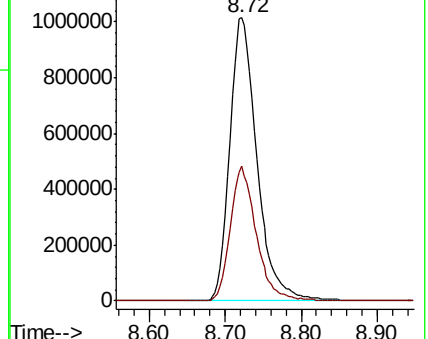
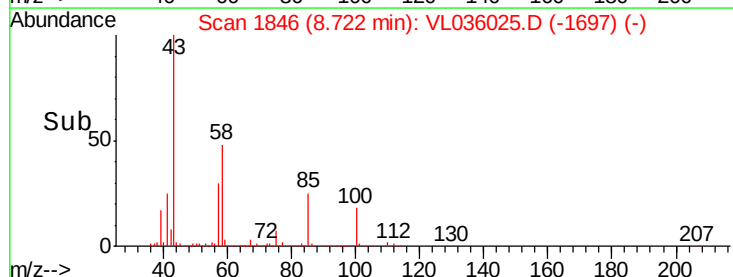
43 100

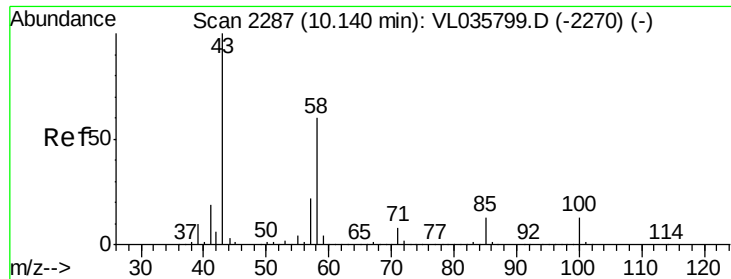
58 45.4 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

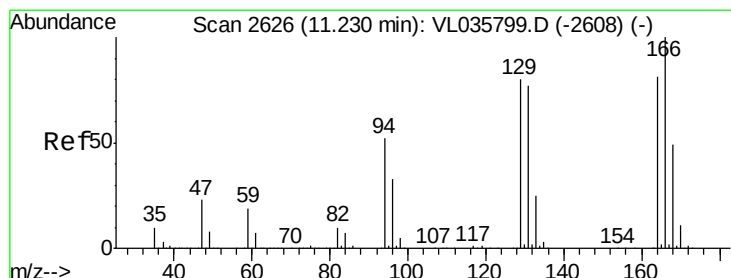
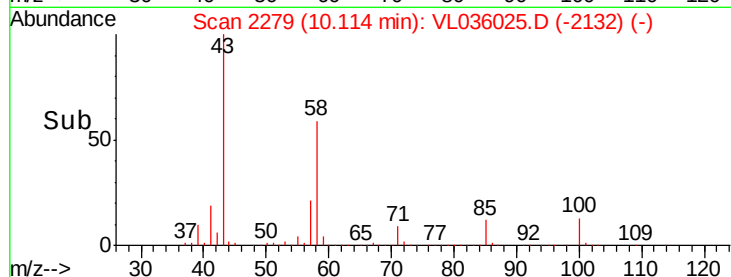
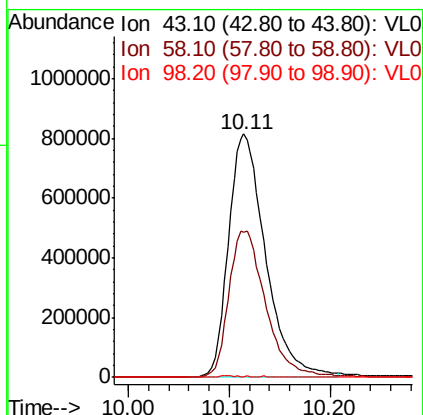
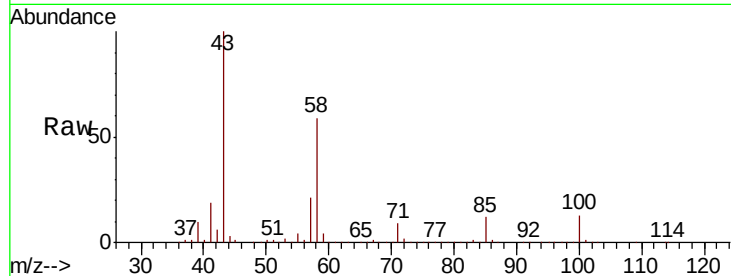




#51
2-Hexanone
Concen: 10.590 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

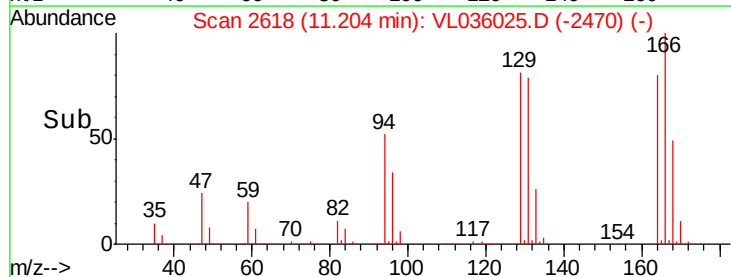
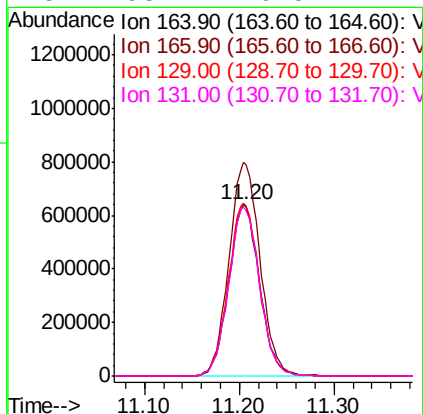
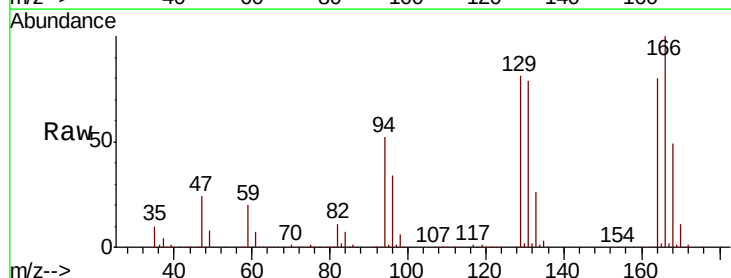
Instrument :
MSVOA_L
ClientSampled :

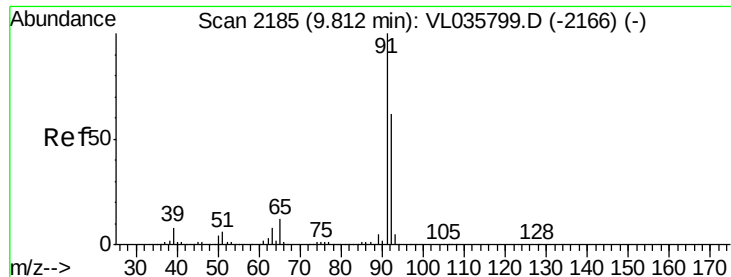
Tot Ion: 43 Resp: 2080834
Ion Ratio Lower Upper
43 100
58 60.4 48.3 72.5
98 0.8 0.6 0.8



#52
Tetrachloroethene
Concen: 8.290 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 164 Resp: 1439118
Ion Ratio Lower Upper
164 100
166 124.6 99.3 148.9
129 101.1 79.3 118.9
131 98.4 76.5 114.7





#53

Toluene

Concen: 9.425 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

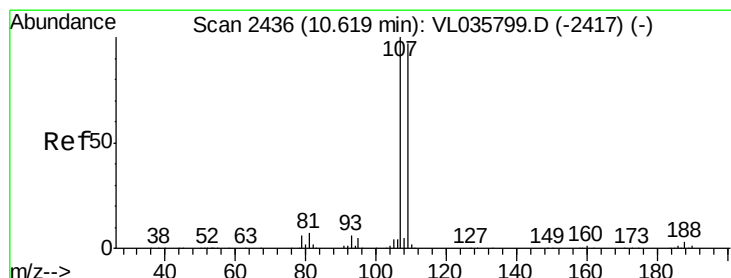
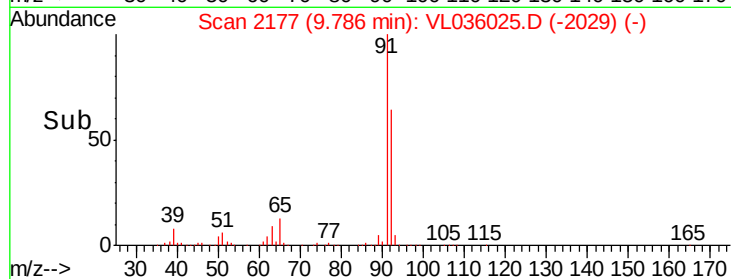
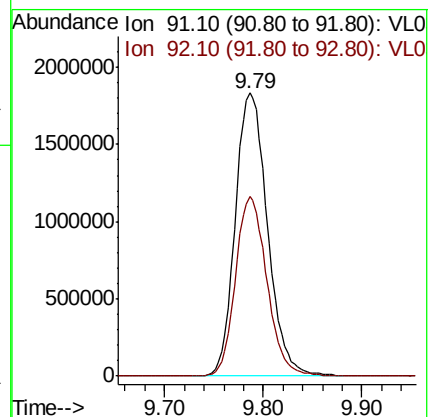
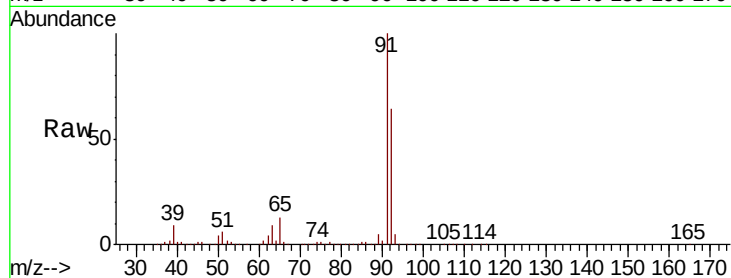
ClientSampled :

Tot Ion: 91 Resp: 4167290

Ion Ratio Lower Upper

91 100

92 62.0 49.8 74.6



#54

1,2-Dibromoethane

Concen: 9.492 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL036025.D

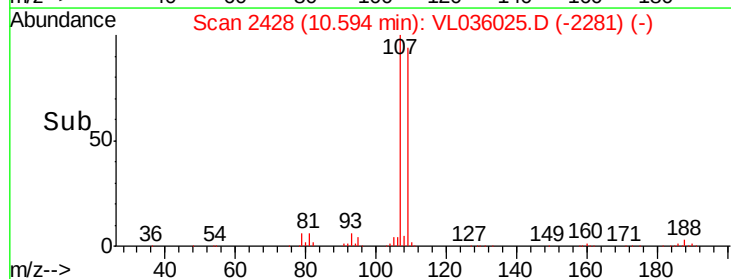
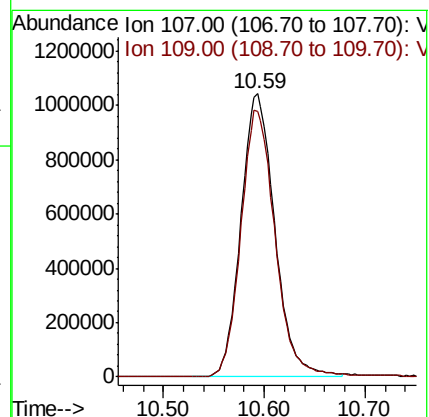
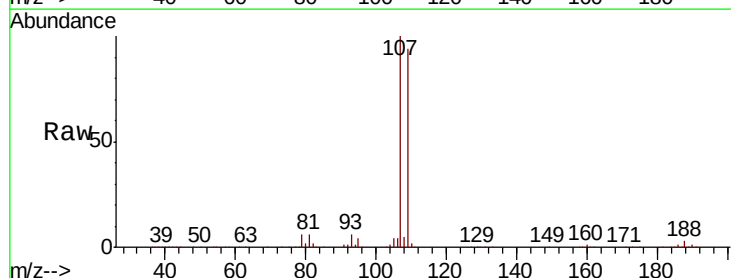
Acq: 25 Nov 2020 11:09

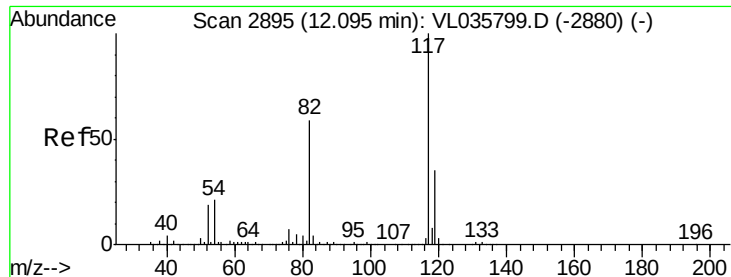
Tgt Ion: 107 Resp: 2426630

Ion Ratio Lower Upper

107 100

109 93.6 77.2 115.8

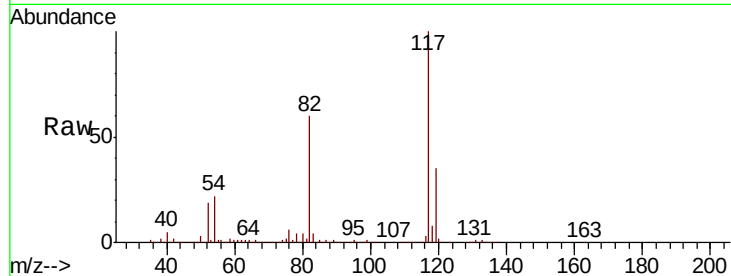




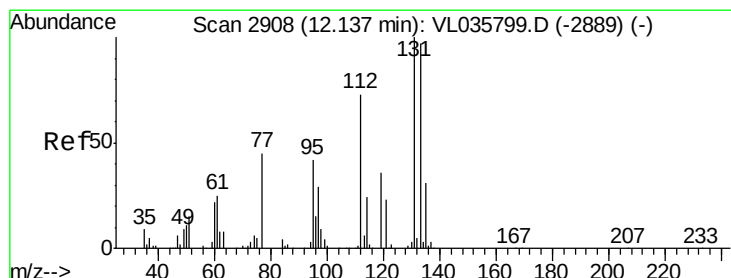
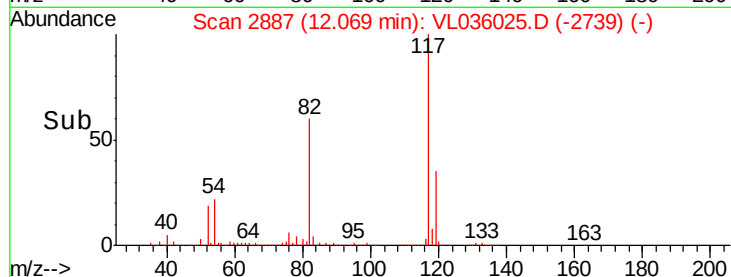
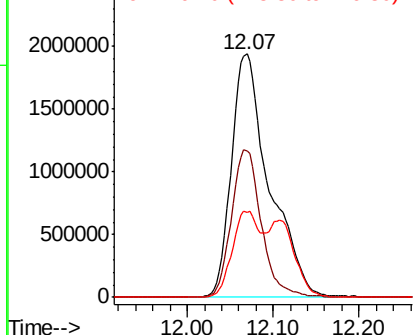
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 5964237
Ion Ratio Lower Upper
117 100
82 48.0 50.6 76.0#
119 25.8 52.6 78.8#

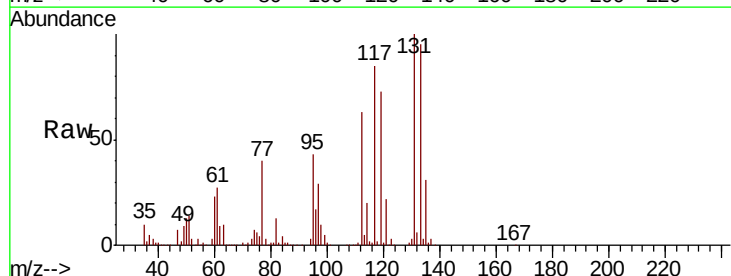


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

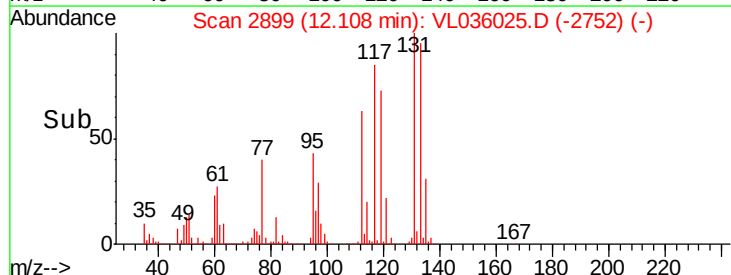
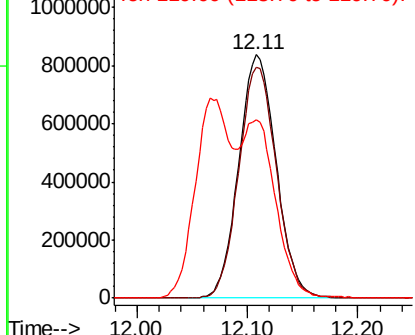


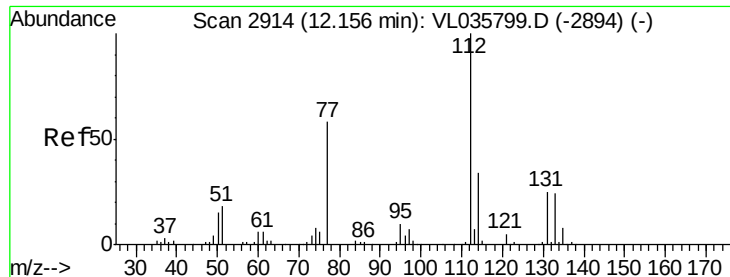
#56
1,1,1,2-Tetrachloroethane
Concen: 7.358 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion:131 Resp: 1969586
Ion Ratio Lower Upper
131 100
133 96.0 76.8 115.2
119 59.7 47.4 71.0



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

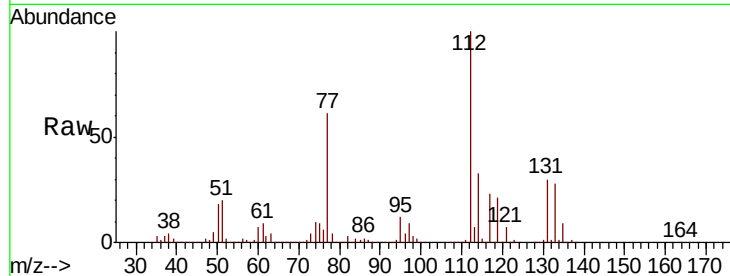




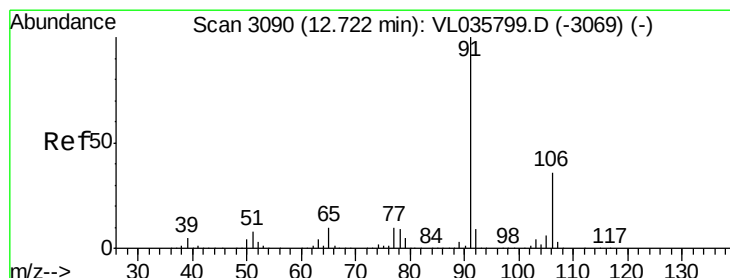
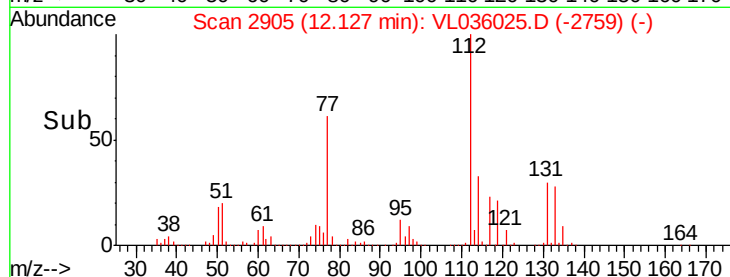
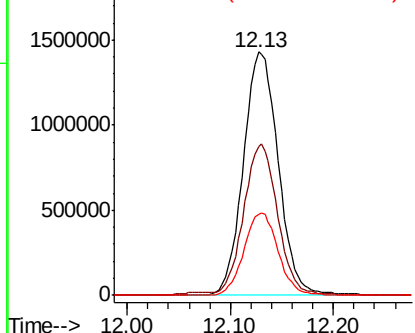
#57
Chlorobenzene
Concen: 7.086 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3360225
Ion Ratio Lower Upper
112 100
77 60.8 47.5 71.3
114 33.5 30.3 37.1

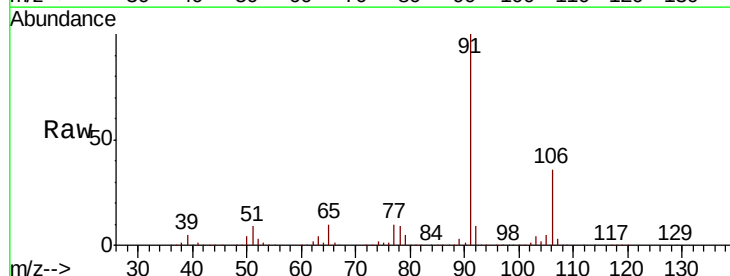


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

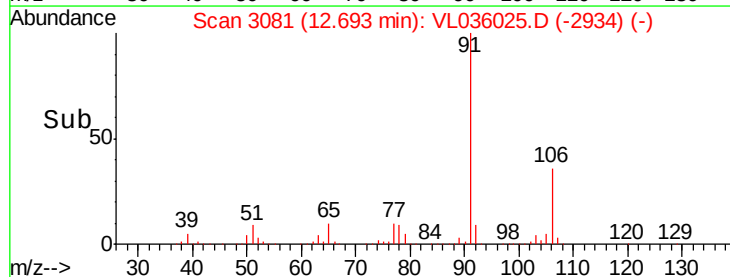
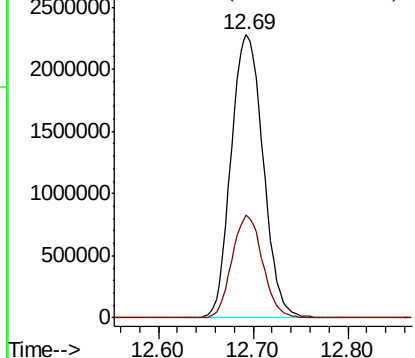


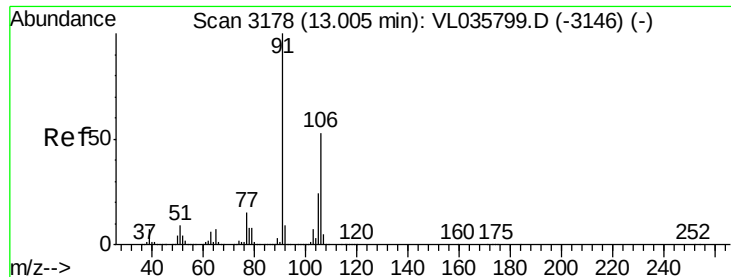
#58
Ethyl Benzene
Concen: 7.398 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 5374189
Ion Ratio Lower Upper
91 100
106 36.2 28.6 43.0



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

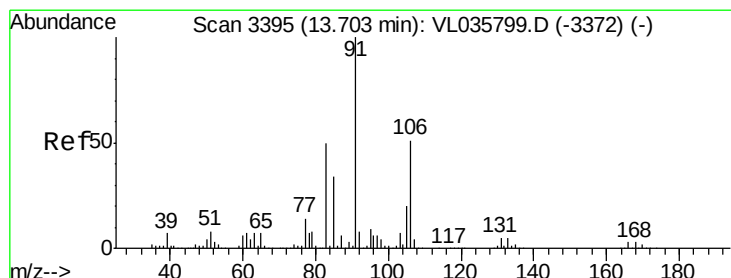
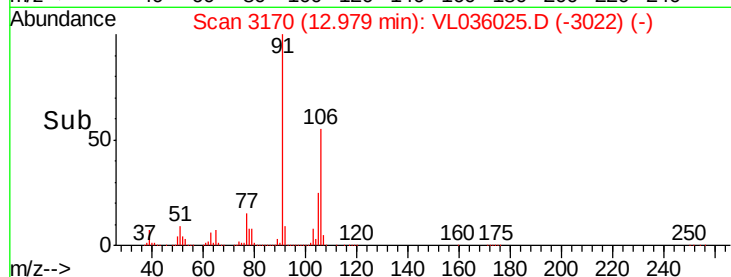
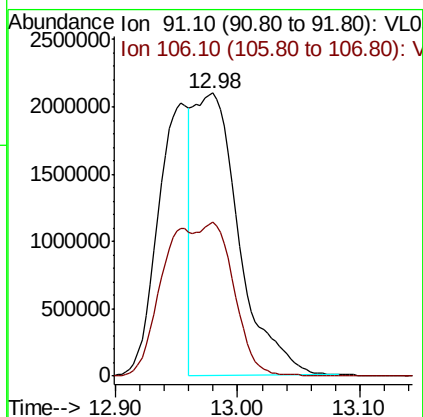
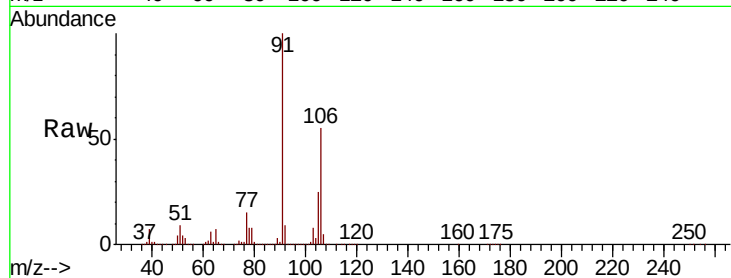




#59
m/p-Xylene
Concen: 8.833 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

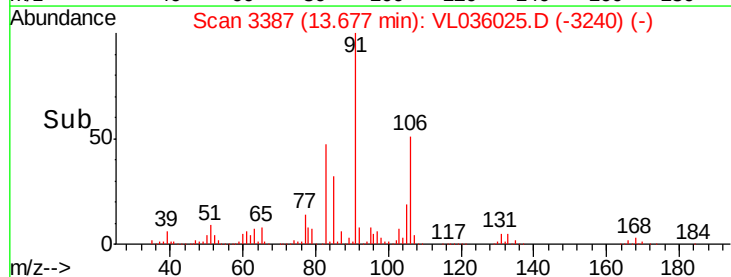
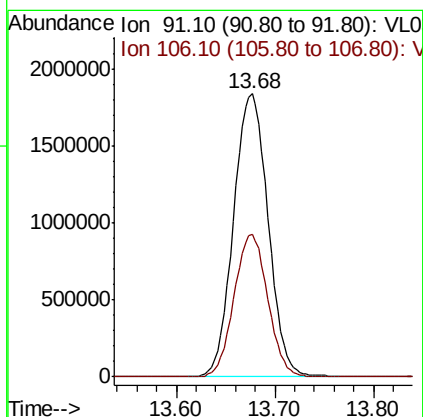
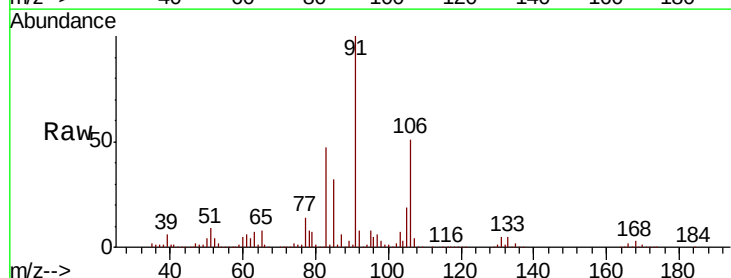
Instrument :
MSVOA_L
ClientSampled :

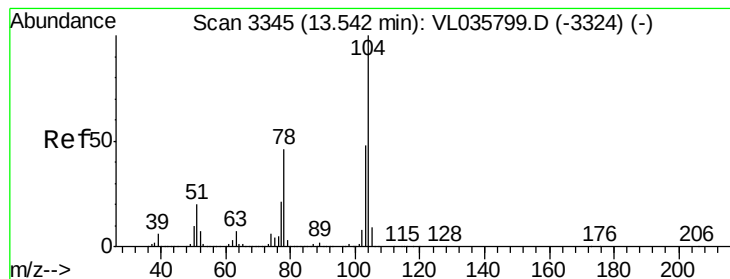
Tot Ion: 91 Resp: 5428467
Ion Ratio Lower Upper
91 100
106 83.6 39.5 59.3#



#60
o-Xylene
Concen: 7.478 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 4470815
Ion Ratio Lower Upper
91 100
106 49.3 24.8 74.4





#61

Stvrene

Concen: 7.774 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

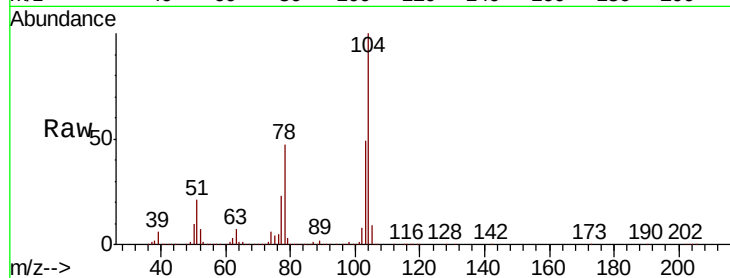
Tot Ion:104 Resp: 3405280

Ion Ratio Lower Upper

104 100

78 46.7 37.1 55.7

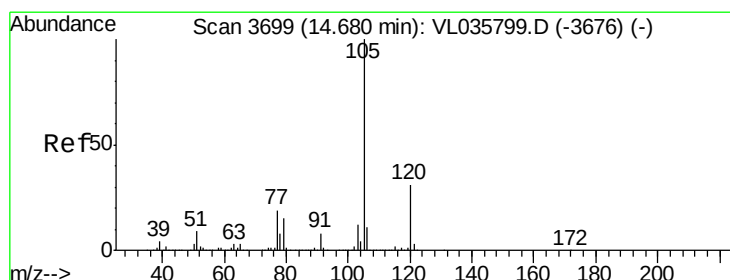
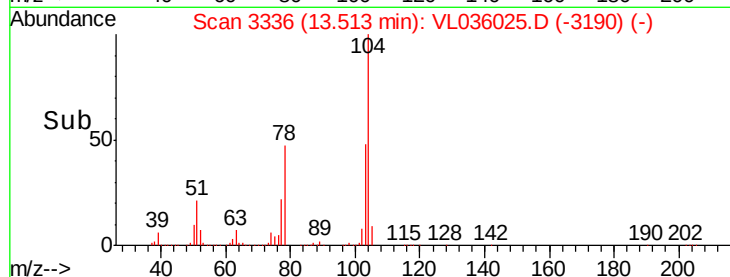
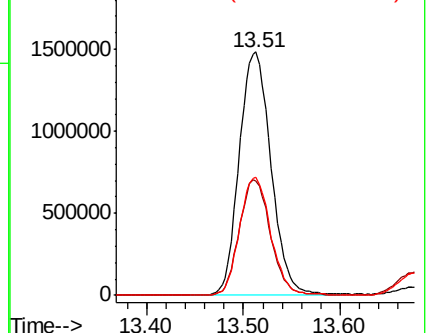
103 47.8 37.9 56.9



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: 7.108 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.03 min

Lab File: VL036025.D

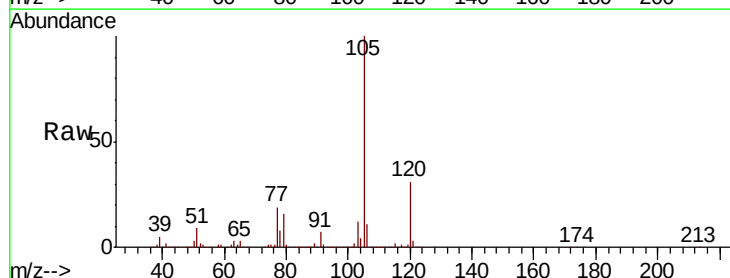
Acq: 25 Nov 2020 11:09

Tgt Ion:105 Resp: 6679376

Ion Ratio Lower Upper

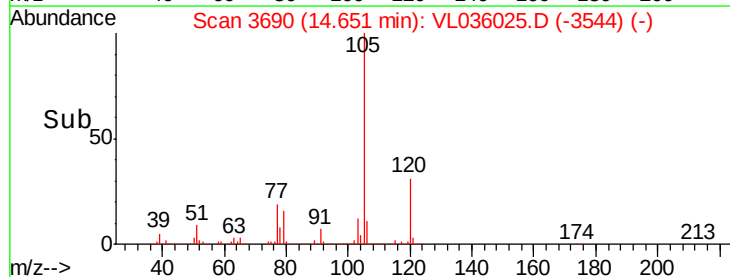
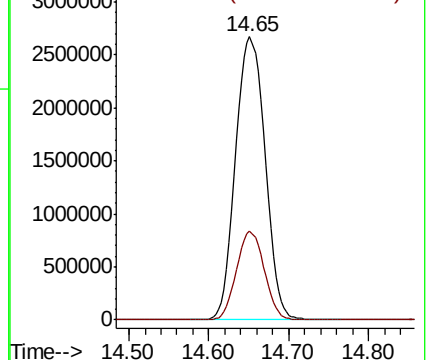
105 100

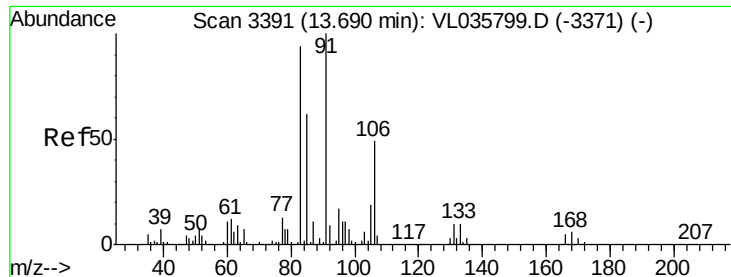
120 29.3 23.5 35.3



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: 7.065 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

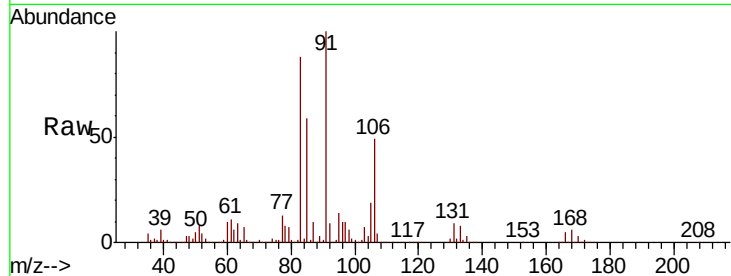
Tot Ion: 83 Resp: 3272957

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

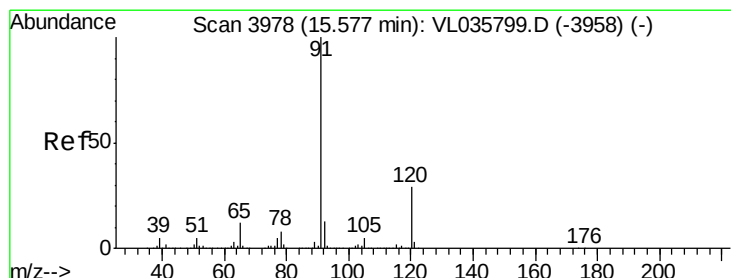
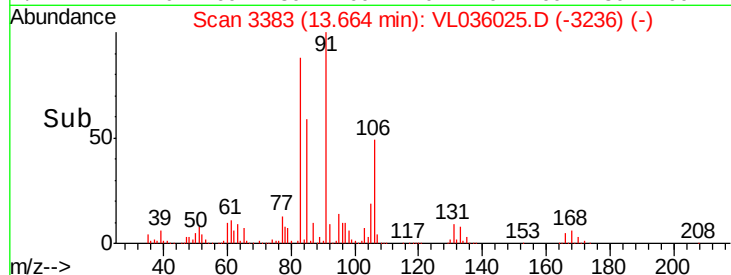
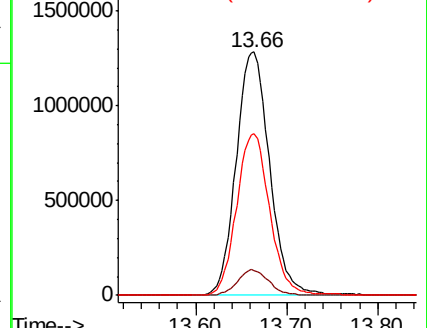
85 66.6 33.5 100.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.389 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.03 min

Lab File: VL036025.D

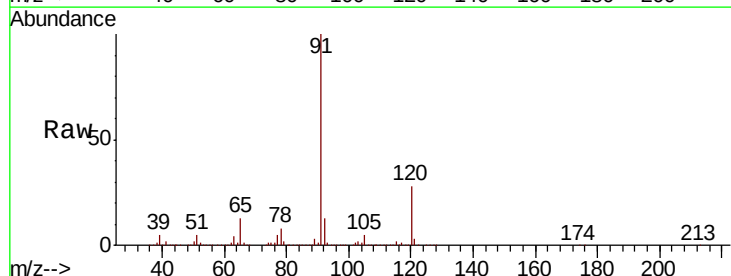
Acq: 25 Nov 2020 11:09

Tgt Ion:120 Resp: 2007009

Ion Ratio Lower Upper

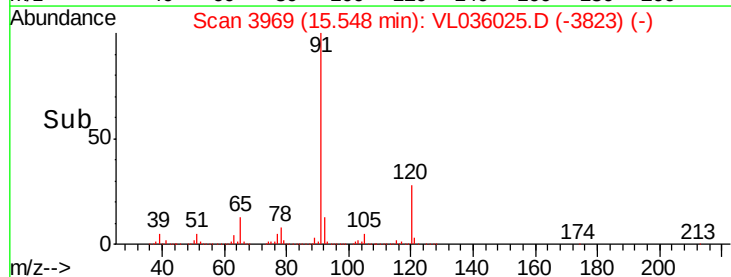
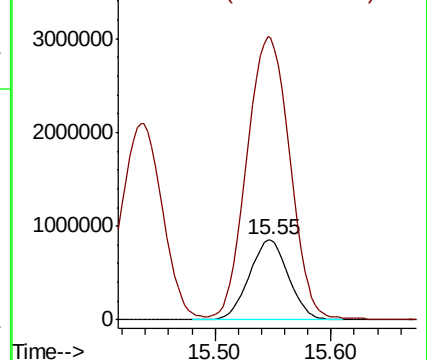
120 100

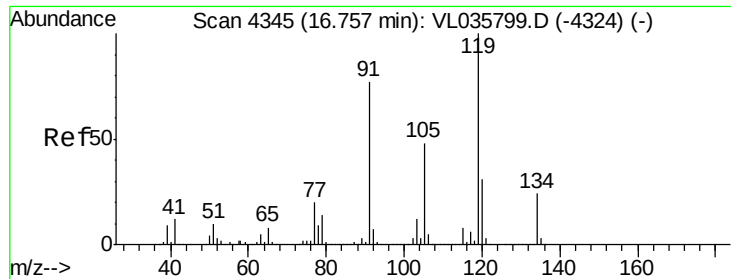
91 390.4 311.1 466.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

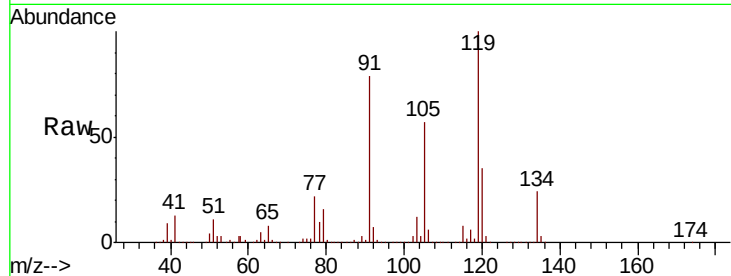




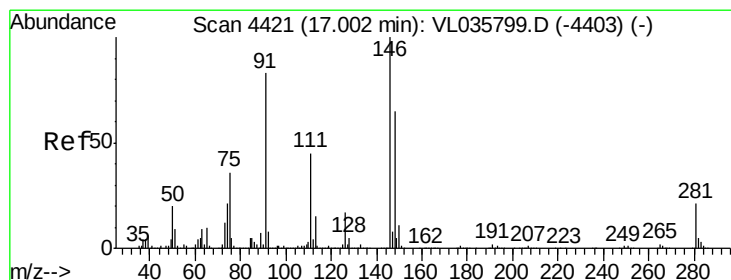
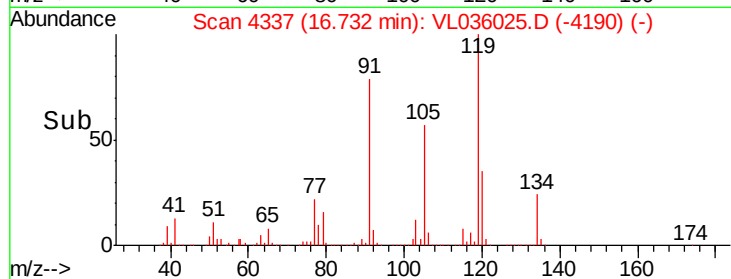
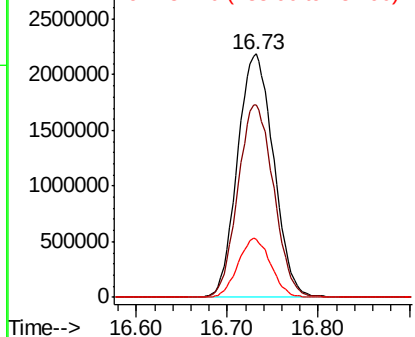
#65
 tert-Butylbenzene
 Concen: 7.038 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion:119 Resp: 6019480
 Ion Ratio Lower Upper
 119 100
 91 78.4 62.0 93.0
 134 22.0 17.8 26.8

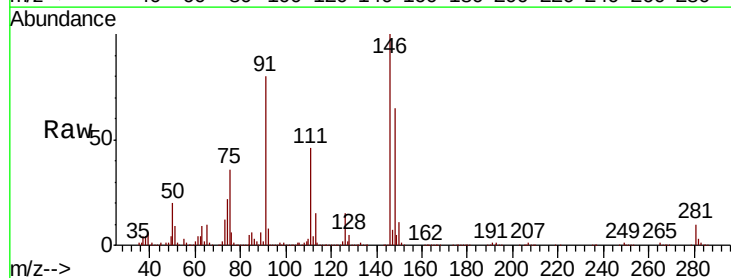


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

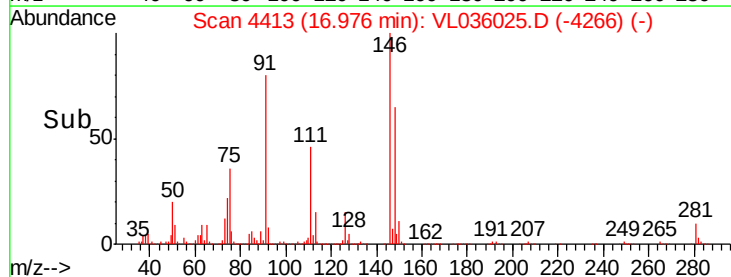
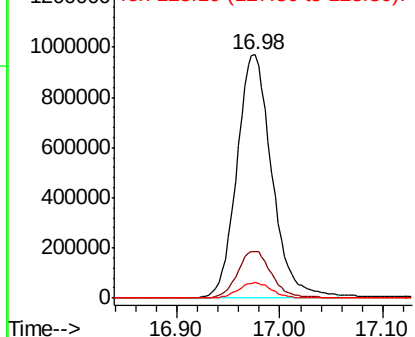


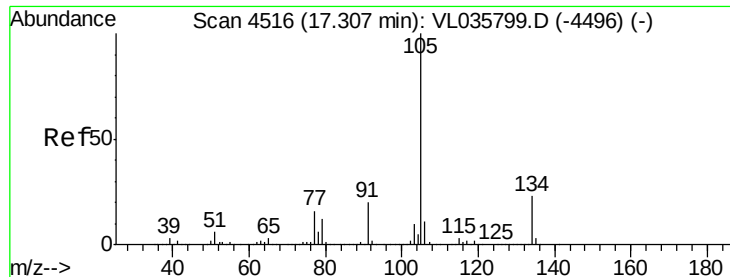
#66
 Benzyl Chloride
 Concen: 8.097 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 2289143
 Ion Ratio Lower Upper
 91 100
 126 19.1 16.0 24.0
 128 6.2 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: 7.073 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

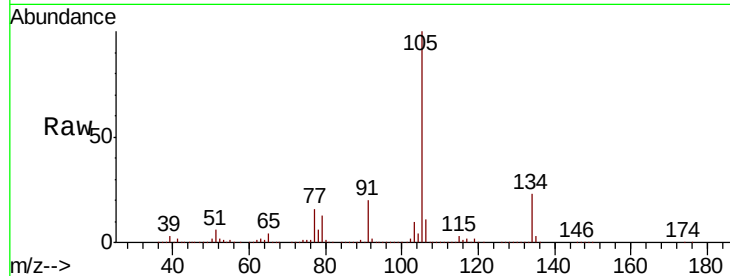
ClientSampleId :

Tot Ion: 105 Resp: 8152447

Ion Ratio Lower Upper

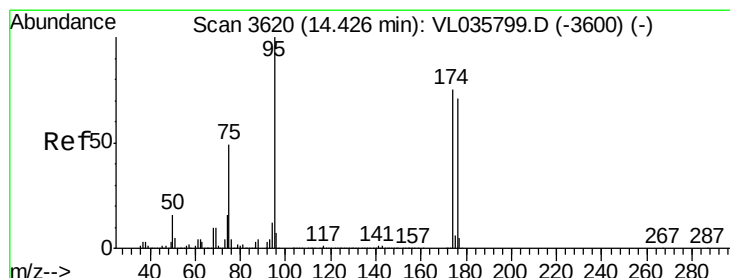
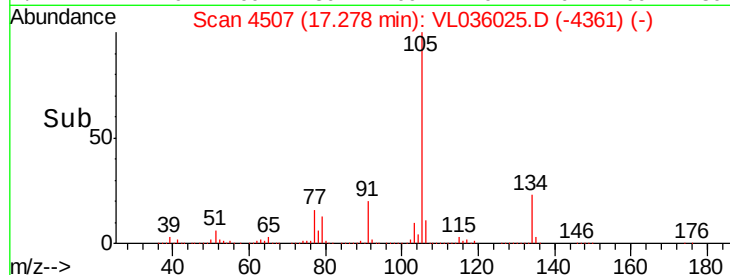
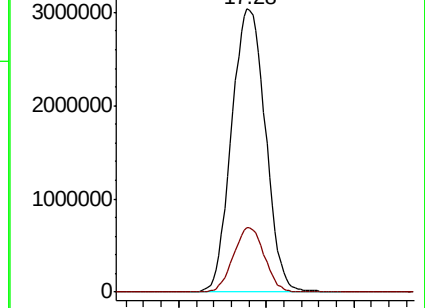
105 100

134 21.0 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.587 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

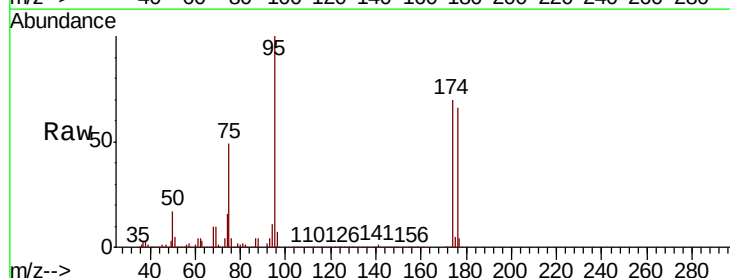
Tgt Ion: 95 Resp: 3638838

Ion Ratio Lower Upper

95 100

174 70.4 59.8 89.6

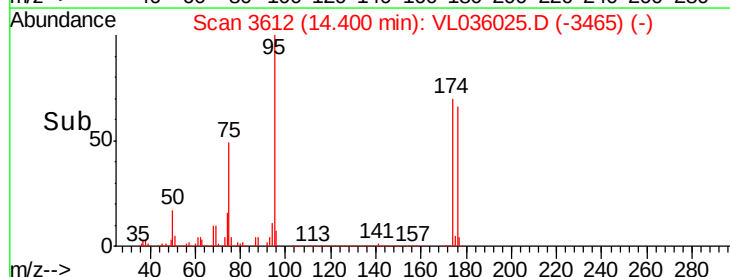
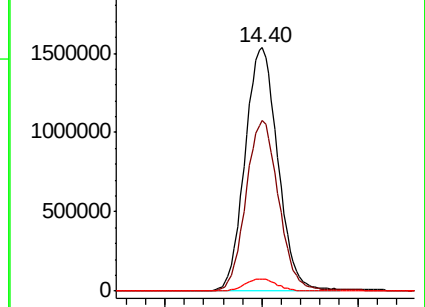
175 5.0 4.3 6.5

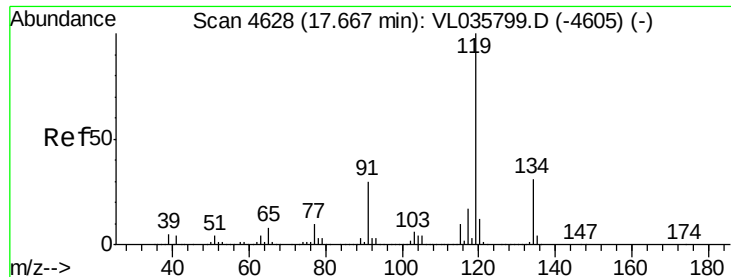


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



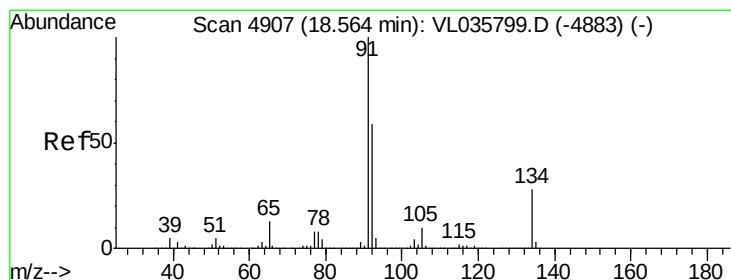
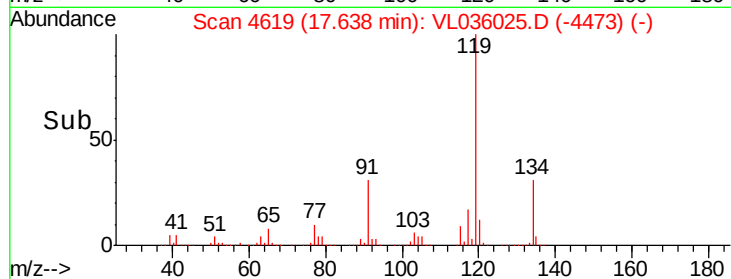
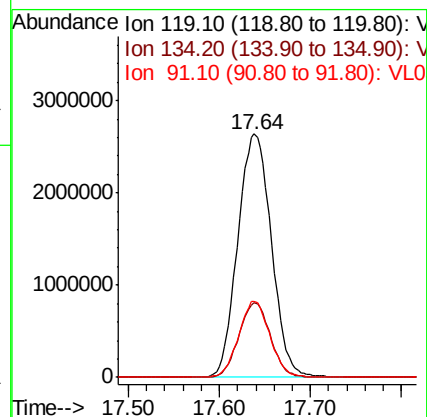
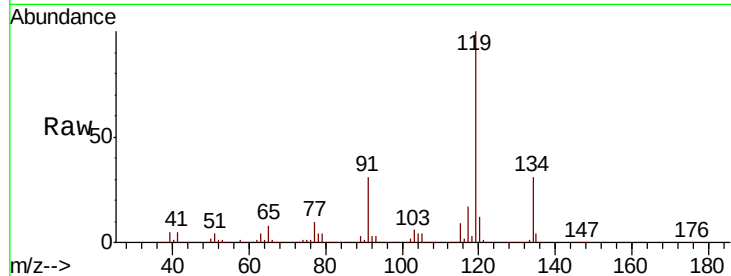


#69
 p-Isopropyltoluene
 Concen: 7.120 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6772133

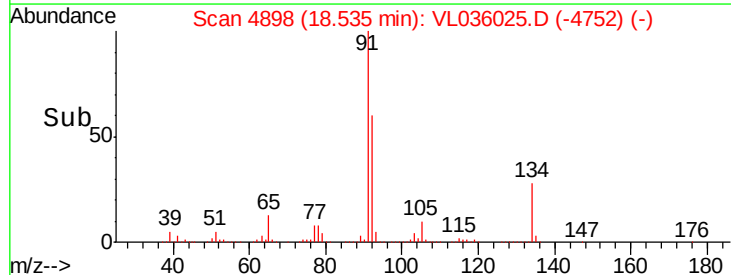
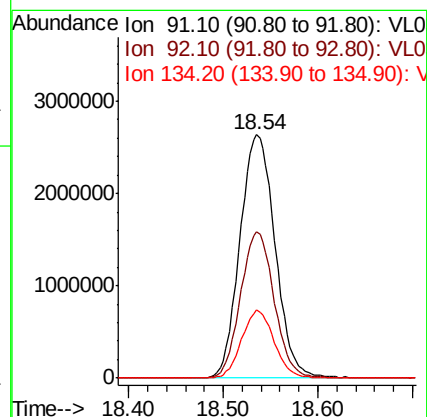
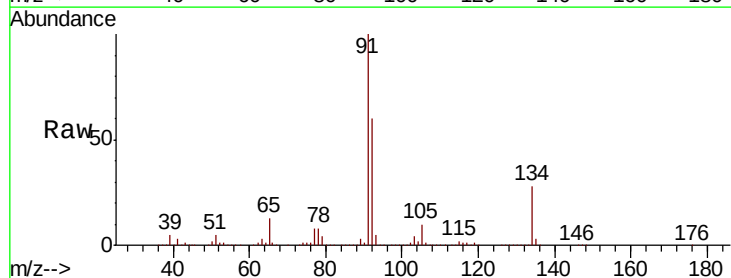
Ion	Ratio	Lower	Upper
119	100		
134	28.8	23.0	34.6
91	28.9	22.8	34.2

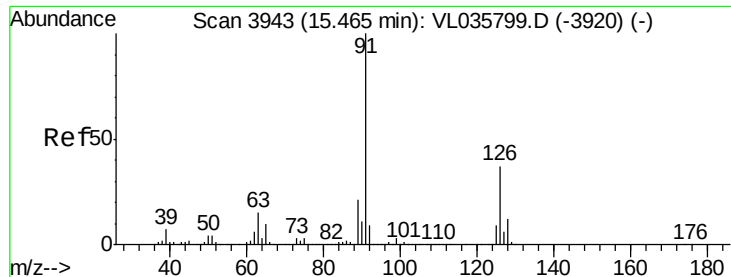


#70
 n-Butylbenzene
 Concen: 7.421 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 6797847

Ion	Ratio	Lower	Upper
91	100		
92	57.9	45.7	68.5
134	26.0	21.0	31.4

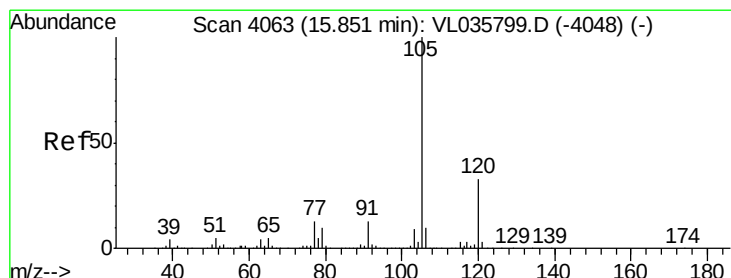
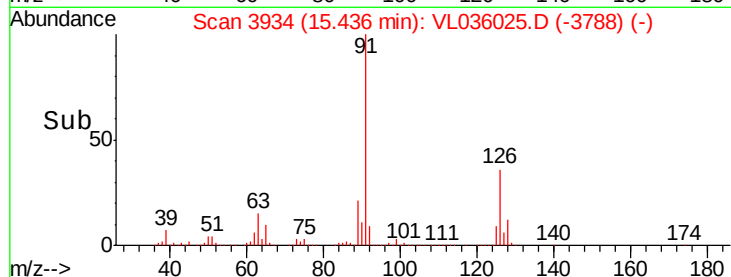
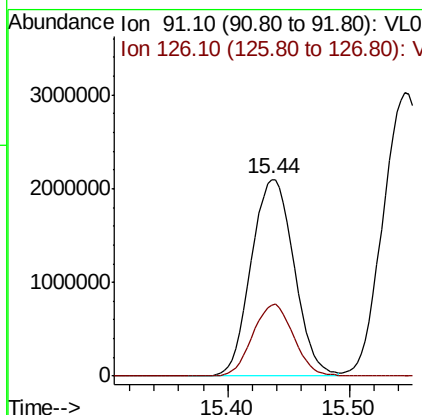
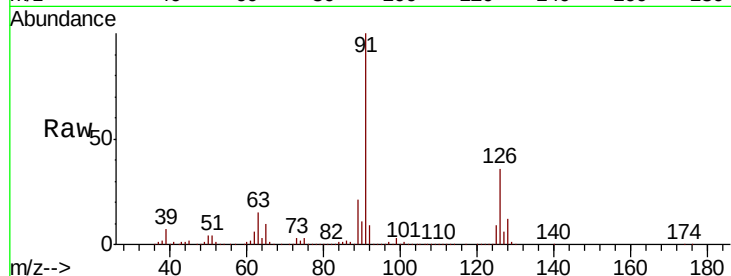




#71
 2-Chlorotoluene
 Concen: 7.446 ppbv
 RT: 15.44 min Scan# 3934
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

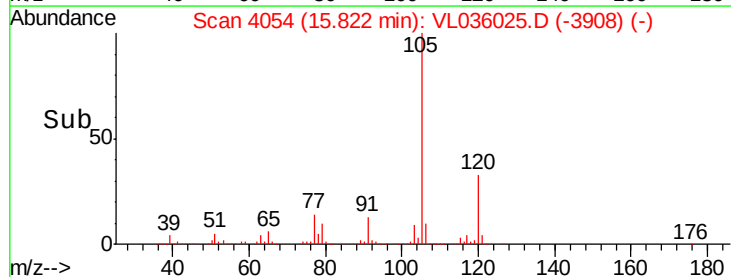
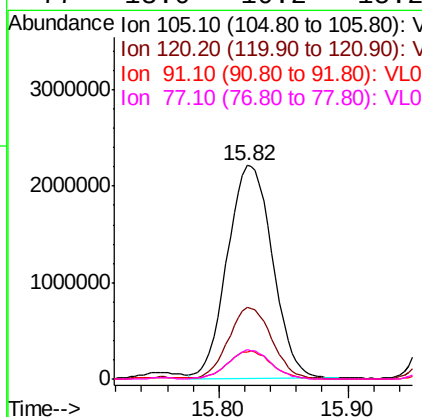
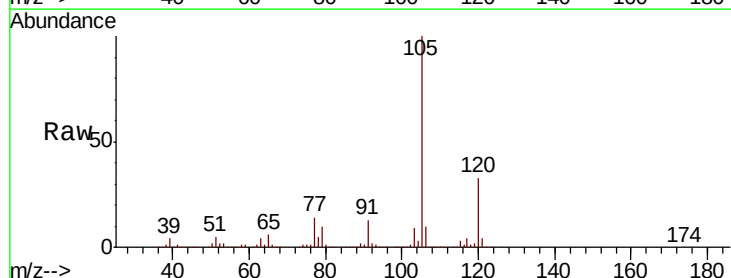
Instrument :
 MSVOA_L
 ClientSampleId :

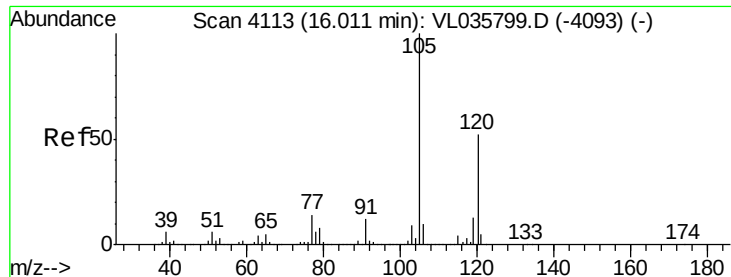
Tot Ion: 91 Resp: 5117629
 Ion Ratio Lower Upper
 91 100
 126 35.0 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 7.407 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 105 Resp: 5370935
 Ion Ratio Lower Upper
 105 100
 120 33.4 25.9 38.9
 91 12.5 9.9 14.9
 77 13.0 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 7.508 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

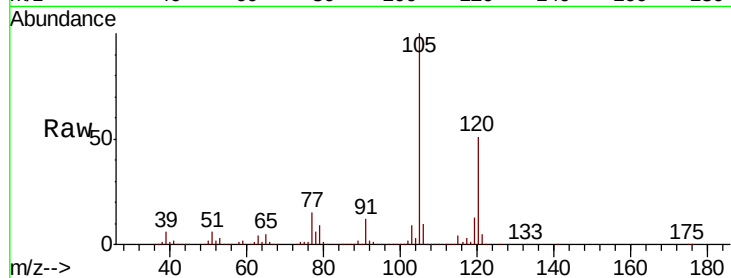
ClientSampleId :

Tot Ion:105 Resp: 4982248

Ion Ratio Lower Upper

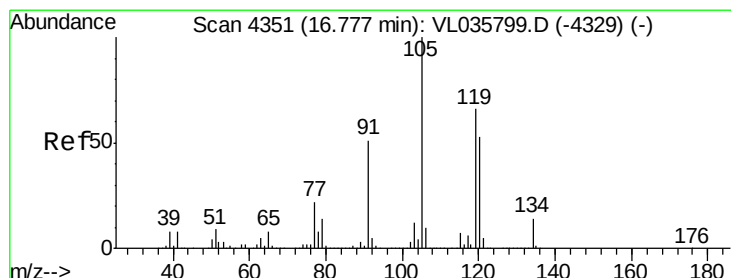
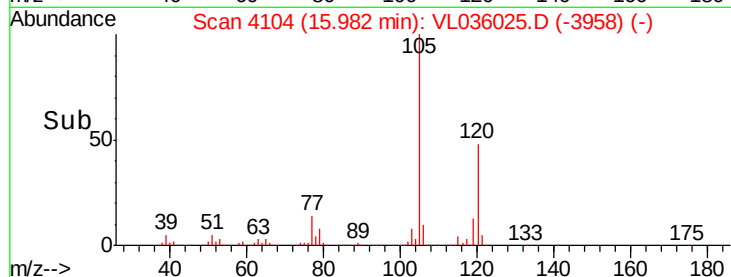
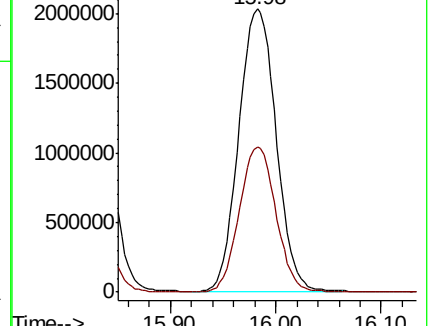
105 100

120 51.5 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: 7.267 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:105 Resp: 5167140

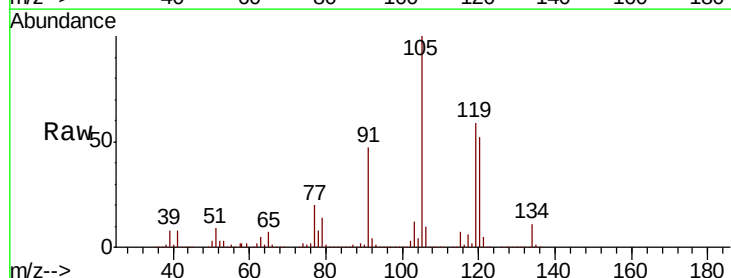
Ion Ratio Lower Upper

105 100

120 51.7 42.0 63.0

91 47.1 41.0 61.6

77 20.3 17.3 25.9

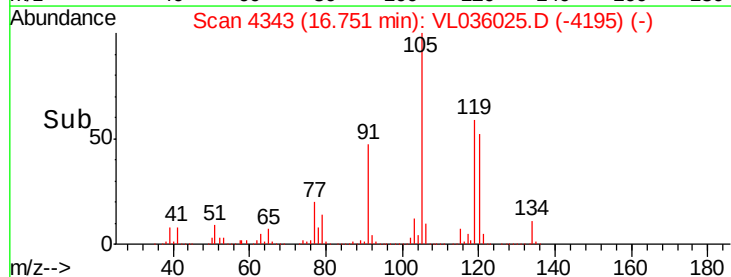
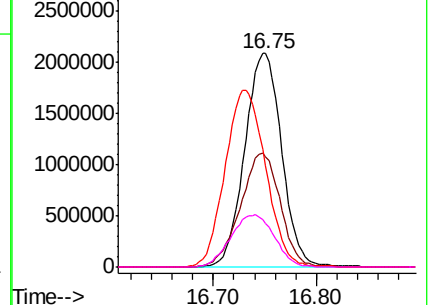


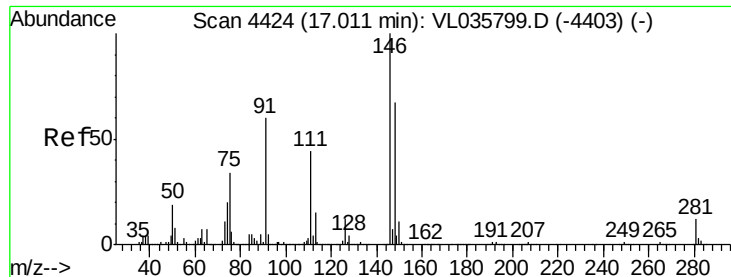
Abundance Ion 105.10 (104.80 to 105.80): V

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



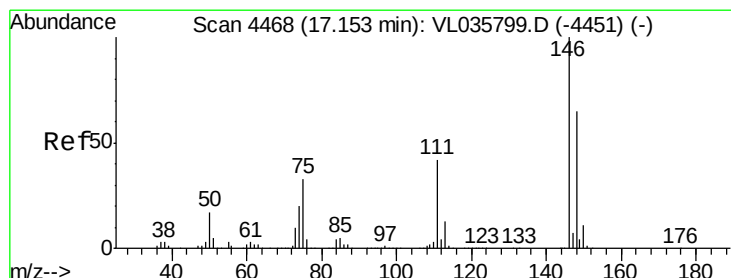
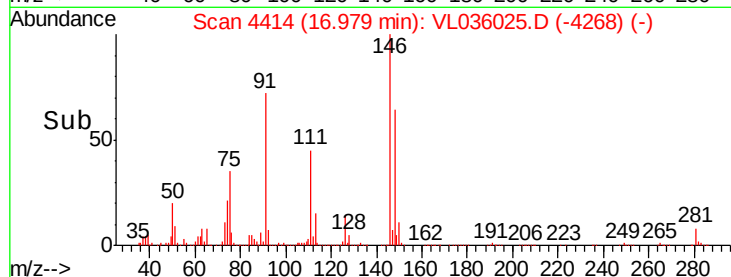
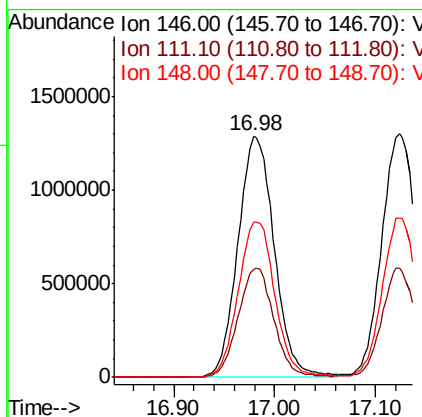
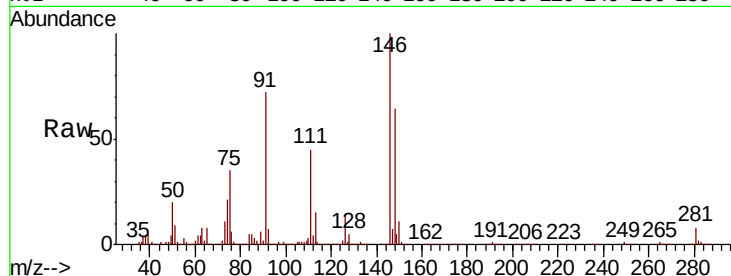


#75
 1,3-Dichlorobenzene
 Concen: 7.113 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 3220225

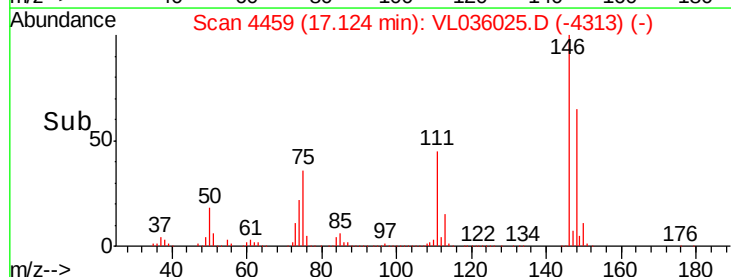
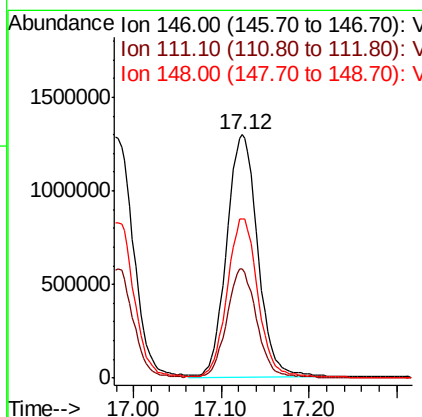
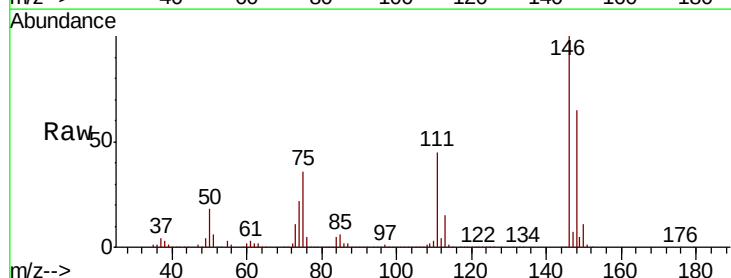
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.8	65.4
148	65.1	32.5	97.5

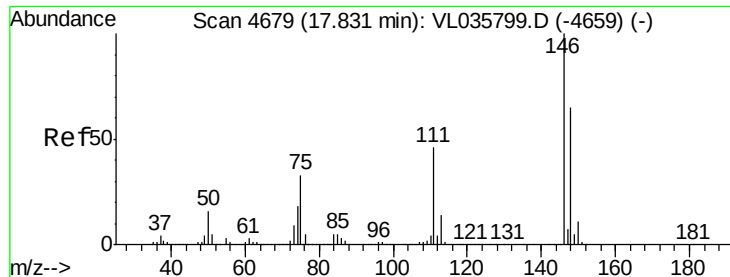


#76
 1,4-Dichlorobenzene
 Concen: 7.304 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion:146 Resp: 3190043

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.7
148	65.6	33.0	99.0





#77

1,2-Dichlorobenzene

Concen: 7.052 ppbv

RT: 17.80 min Scan# 4679

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

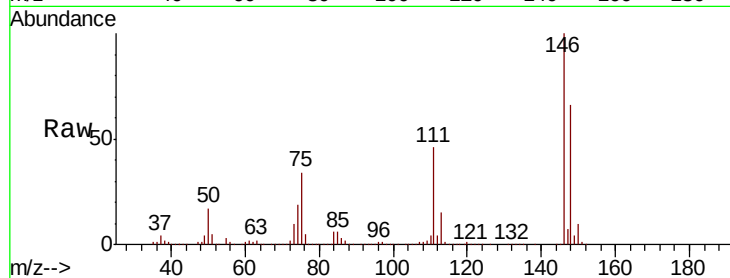
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3112098

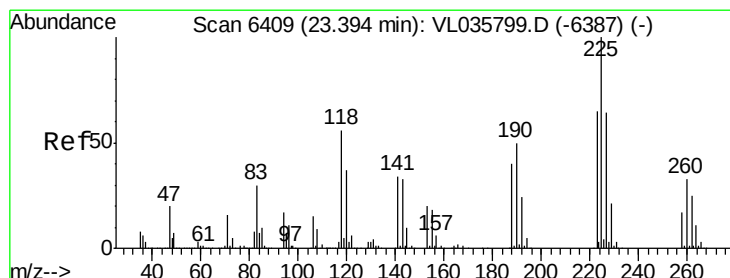
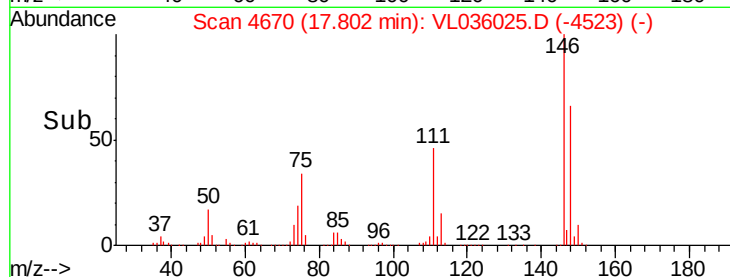
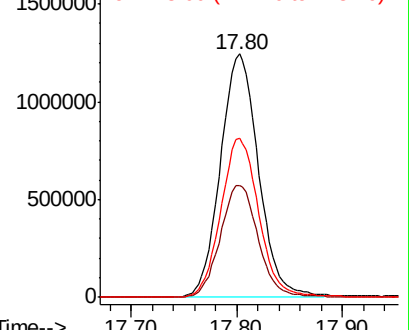
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.4	67.0
148	65.3	32.5	97.5



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: 7.118 ppbv

RT: 23.36 min Scan# 6399

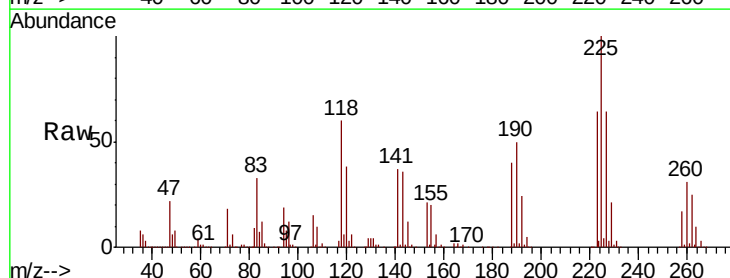
Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:225 Resp: 1465818

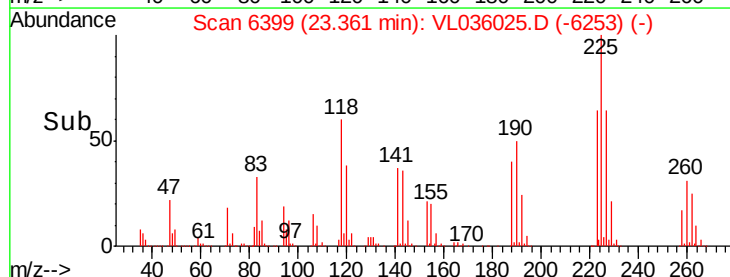
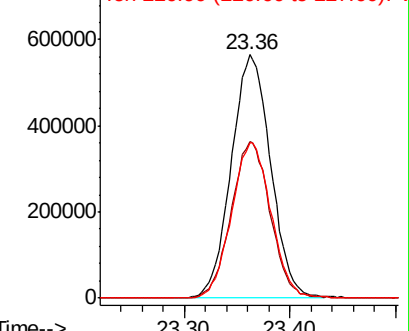
Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.2	51.2	76.8

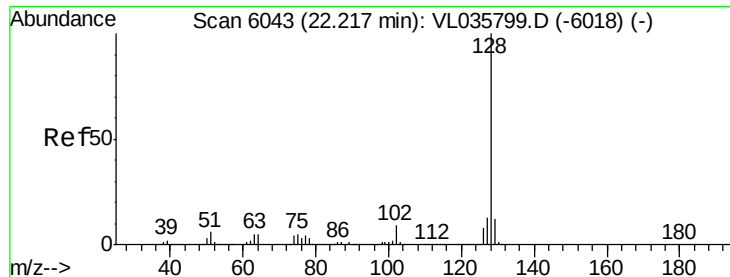


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.119 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. -0.04 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

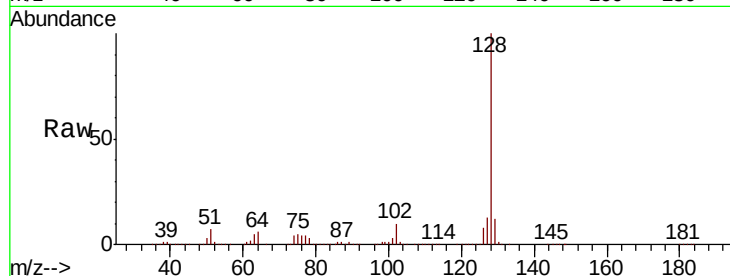
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4024332

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.7	9.2	13.8

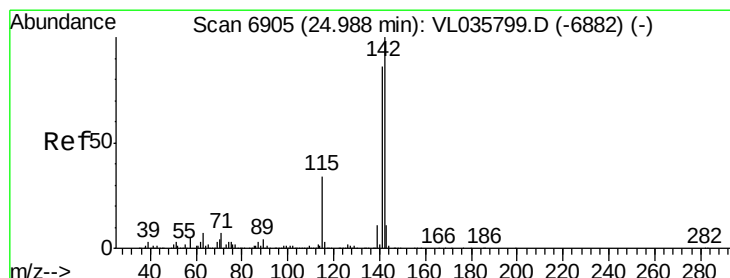
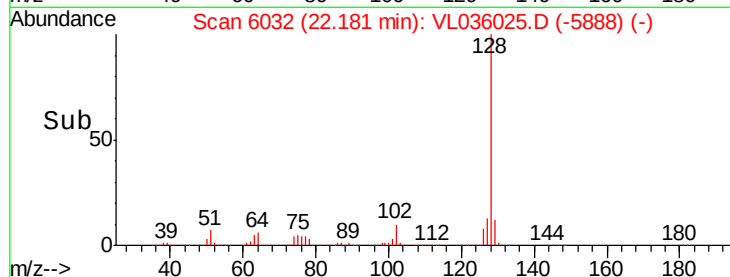
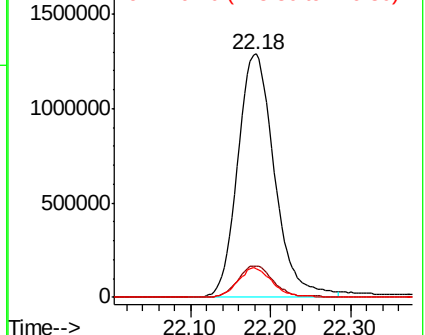


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.446 ppbv

RT: 24.97 min Scan# 6898

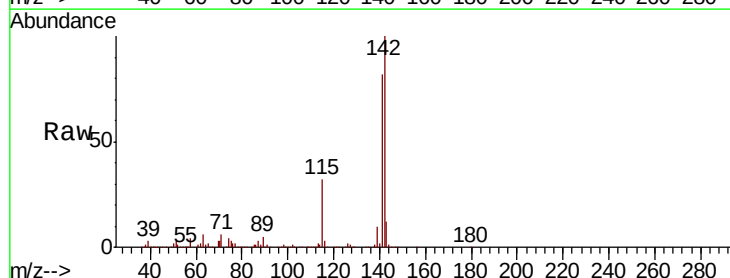
Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:142 Resp: 924531

Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.8	101.8
115	31.8	28.1	42.1

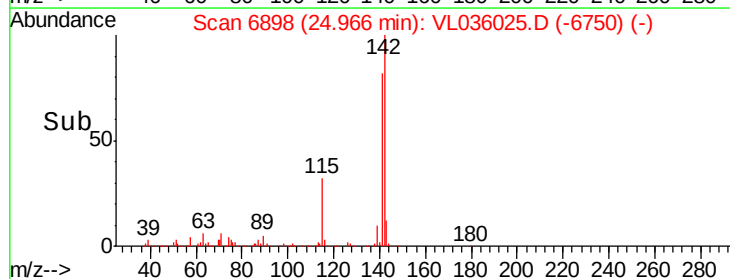
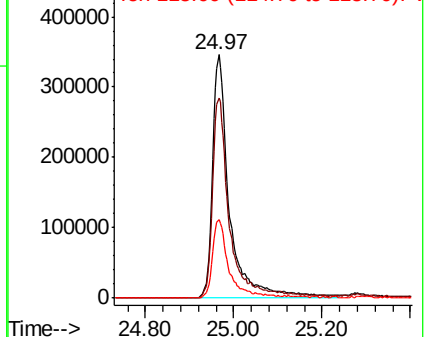


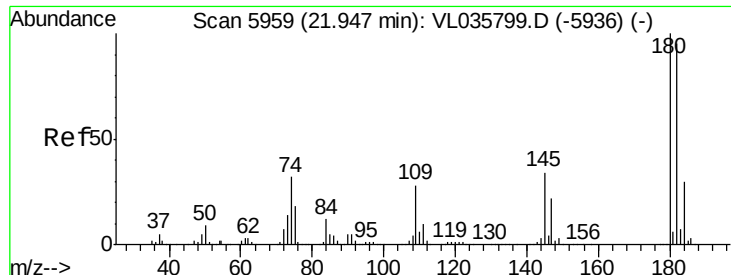
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

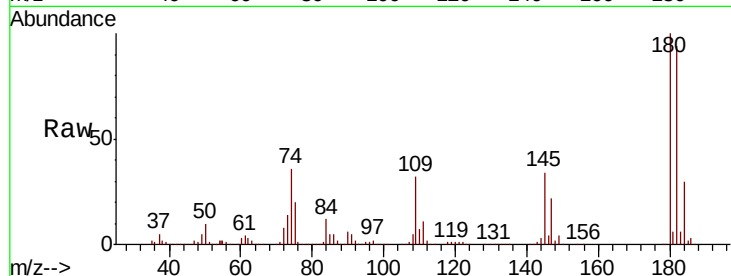




#81
 1,2,4-Trichlorobenzene
 Concen: 7.117 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.04 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1970773
 Ion Ratio Lower Upper
 180 100
 182 99.2 77.2 115.8
 184 32.0 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

