

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036377.D
 Acq On : 25 Feb 2021 10:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:34:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1550662	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3566299	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4230452	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2815015	8.09	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1987996	8.590	ppbv 98
3) Chlorodifluoromethane	2.98	51	1852528	9.615	ppbv 99
4) Chloromethane	3.13	50	946794	10.172	ppbv 100
5) Vinyl Chloride	3.25	62	923298	10.652	ppbv 100
6) Bromomethane	3.46	94	530909	10.305	ppbv 98
7) Chloroethane	3.55	64	322740	10.487	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2112886	10.038	ppbv 99
9) Propene	3.01	41	836780	11.649	ppbv 98
10) Heptane	8.12	43	2192422	10.356	ppbv 100
11) Trichlorofluoromethane	3.94	101	2245751	9.910	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1371441	9.770	ppbv 97
13) Ethanol	3.60	45	133050	9.861	ppbv 94
14) Bromoethene	3.73	108	633755	10.787	ppbv 96
15) Acetone	3.84	43	1774217	9.360	ppbv 99
16) 1,3-Butadiene	3.32	39	865268	9.546	ppbv 96
17) tert-Butyl alcohol	4.29	59	1702732	11.572	ppbv 100
18) 1,1-Dichloroethene	4.28	96	623902	9.780	ppbv 99
19) Isopropyl Alcohol	3.97	45	1137554	10.832	ppbv 99
20) Methylene Chloride	4.34	84	549848	8.991	ppbv 95
21) Allyl Chloride	4.40	41	1081497	10.248	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	612945	10.577	ppbv 97
23) Vinyl Acetate	5.07	43	2297555	10.309	ppbv 97
24) 1,1-Dichloroethane	5.01	63	1701476	10.323	ppbv 99
25) Ethyl Acetate	5.67	43	3735258	10.208	ppbv 100
26) Hexane	5.68	57	1504365	10.006	ppbv 99
27) Carbon Disulfide	4.55	76	1583275	11.458	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	2124053	10.814	ppbv 99
29) Chloroform	5.75	83	2385943	9.850	ppbv 100
30) Cyclohexane	7.12	84	1246171	9.966	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1532729	10.303	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2351581	10.384	ppbv 98
34) 2-Butanone	5.24	43	2345599	9.899	ppbv 99
35) Carbon Tetrachloride	7.01	117	2368960	9.911	ppbv 98
36) Benzene	6.89	78	3161228	10.435	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1854883	9.903	ppbv 99
38) Trichloroethene	7.83	130	1076913	9.923	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1243131	10.102	ppbv 97
40) 1,4-Dioxane	7.82	88	433450	10.166	ppbv # 1
41) Tetrahydrofuran	6.05	42	1418551	10.728	ppbv 99
42) Bromodichloromethane	7.79	83	2600893	10.368	ppbv 100
43) Methyl Methacrylate	8.01	69	1371684	10.736	ppbv 98

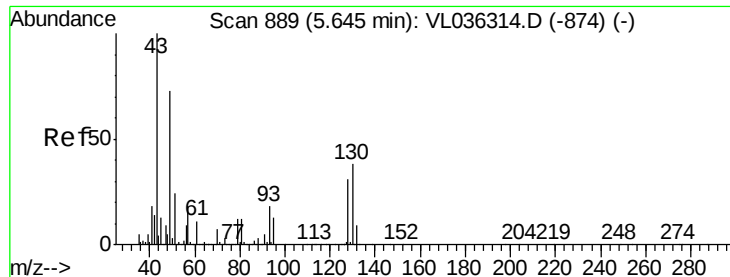
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036377.D
 Acq On : 25 Feb 2021 10:02
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Quant Time: Feb 26 00:34:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5402890	9.808	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1509582	12.248	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1807257	11.544	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1260306	10.007	ppbv	98
48) Dibromochloromethane	10.30	129	2060115	10.962	ppbv	99
49) Bromoform	13.04	173	1722354	11.337	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3596769	10.225	ppbv	99
51) 2-Hexanone	10.13	43	2928292	10.956	ppbv	100
52) Tetrachloroethene	11.22	164	1015646	9.158	ppbv	96
53) Toluene	9.80	91	3500339	10.667	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1841988	10.121	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1551336	7.973	ppbv #	59
57) Chlorobenzene	12.14	112	2491464	7.623	ppbv	99
58) Ethyl Benzene	12.71	91	4743207	8.188	ppbv	99
59) m/p-Xylene	12.99	91	3394691	6.672	ppbv #	8
60) o-Xylene	13.69	91	3761355	7.732	ppbv	100
61) Styrene	13.52	104	2702039	8.962	ppbv	98
62) Isopropylbenzene	14.67	105	5572324	7.641	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2726734	7.103	ppbv	99
64) n-propylbenzene	15.56	120	1457177	8.119	ppbv	98
65) tert-Butylbenzene	16.74	119	4776265	7.655	ppbv	98
66) Benzyl Chloride	16.99	91	1779628	10.492	ppbv	99
67) sec-Butylbenzene	17.29	105	6822558	7.582	ppbv	99
69) p-Isopropyltoluene	17.65	119	5600007	8.053	ppbv	99
70) n-Butylbenzene	18.55	91	5902655	7.915	ppbv	100
71) 2-Chlorotoluene	15.45	91	4393327	7.859	ppbv	97
72) 4-Ethyltoluene	15.83	105	4333507	8.004	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4053789	7.724	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4140925	7.728	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2284837	7.856	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2224217	7.365	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	2237898	7.757	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1588463	6.739	ppbv	99
79) Naphthalene	22.19	128	3001892	9.452	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	838130	14.252	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	742612	3.832	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

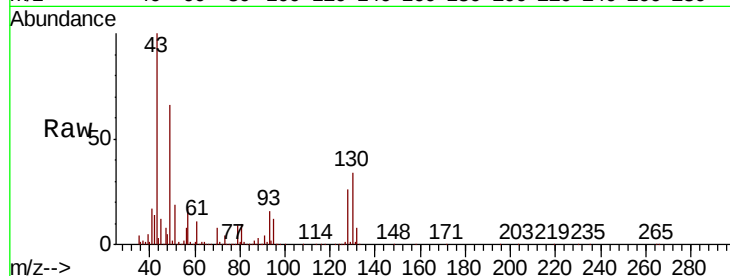
Tot Ion: 49 Resp: 1550662

Ion	Ratio	Lower	Upper
49	100		
128	42.6	20.8	62.5
130	54.3	26.7	80.1

49 100

128 42.6 20.8 62.5

130 54.3 26.7 80.1



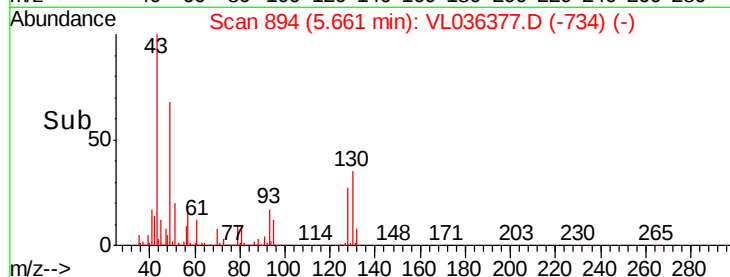
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



Abundance

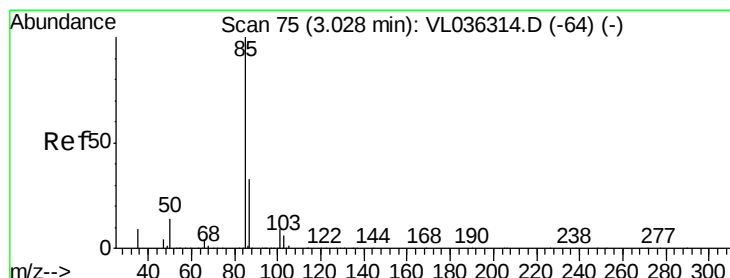
Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.590 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL036377.D

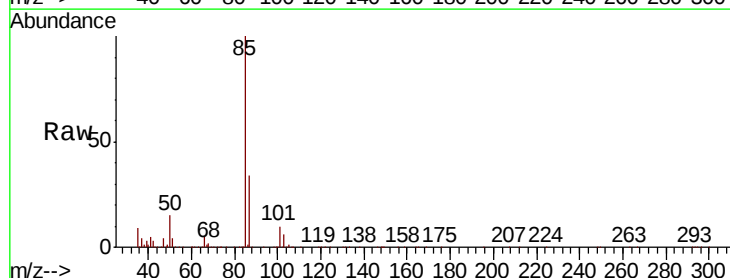
Acq: 25 Feb 2021 10:02

Tgt Ion: 85 Resp: 1987996

Ion	Ratio	Lower	Upper
85	100		
87	34.3	26.5	39.7

85 100

87 34.3 26.5 39.7

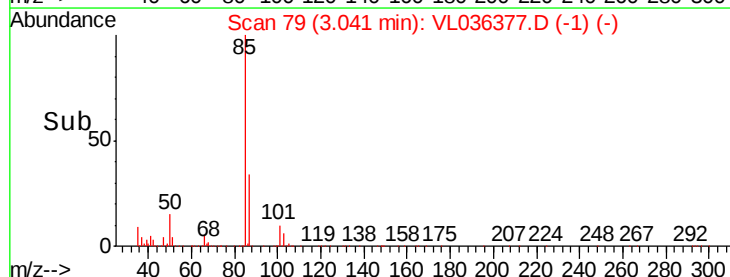


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->



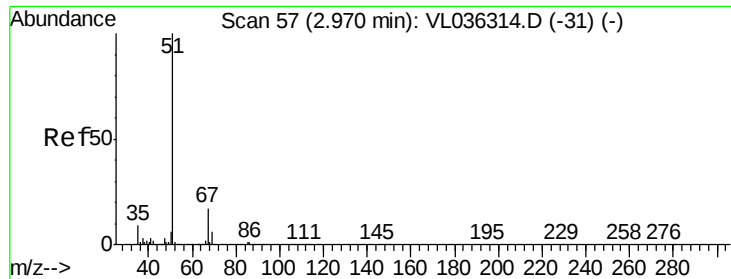
Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->



#3

Chlorodifluoromethane

Concen: 9.615 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

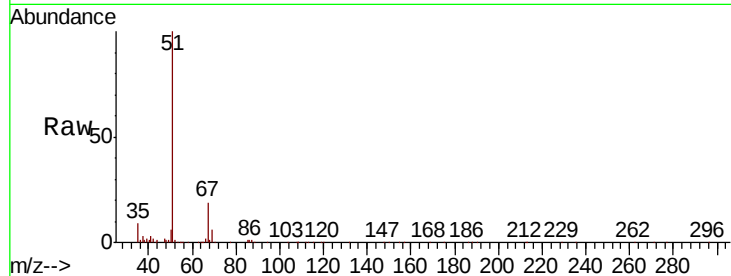
ClientSampleId :

Tot Ion: 51 Resp: 1852528

Ion Ratio Lower Upper

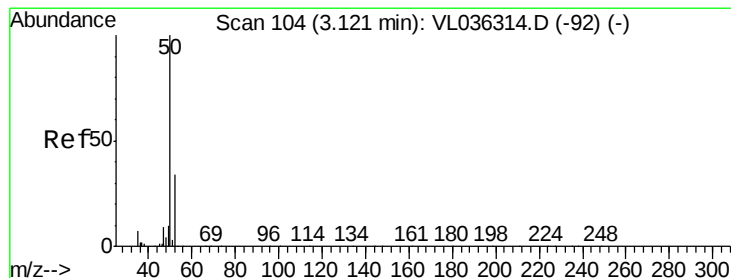
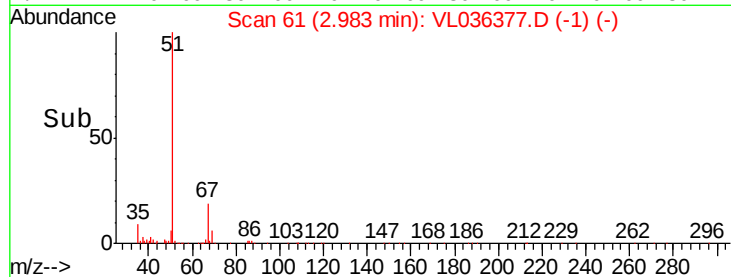
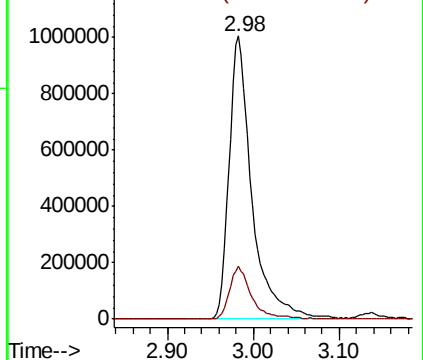
51 100

67 18.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.172 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL036377.D

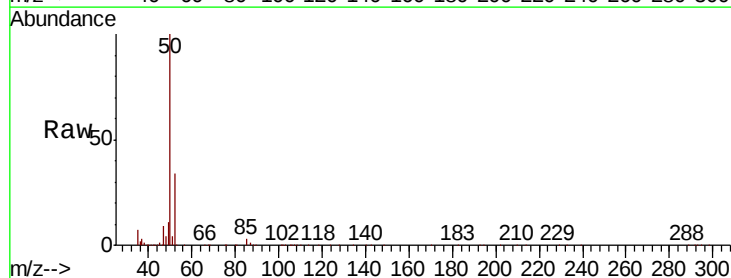
Acq: 25 Feb 2021 10:02

Tgt Ion: 50 Resp: 946794

Ion Ratio Lower Upper

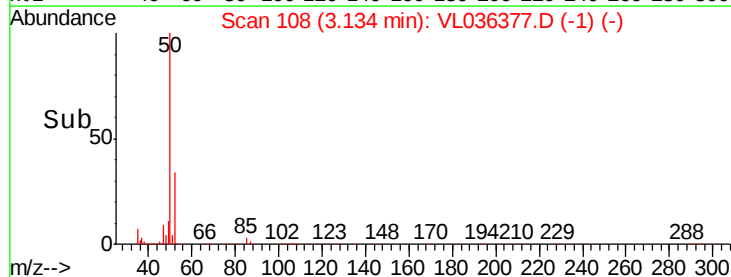
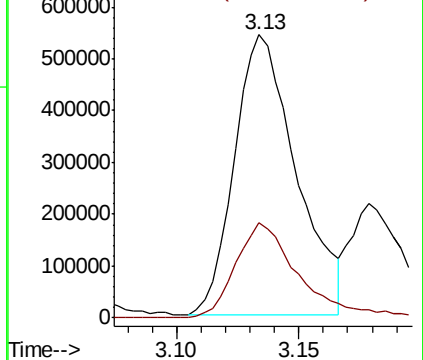
50 100

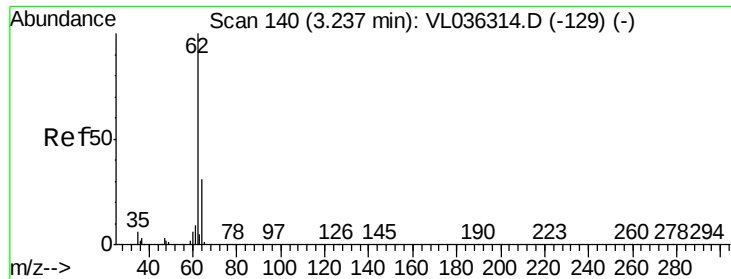
52 33.8 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.652 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

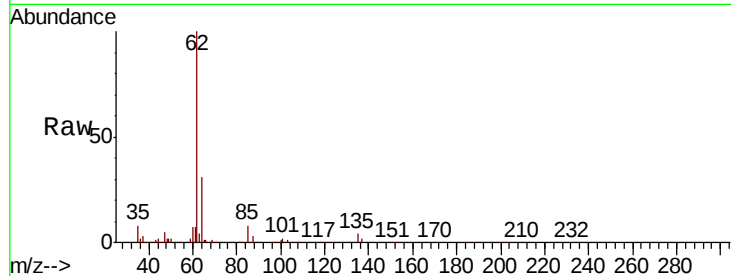
ClientSampleId :

Tot Ion: 62 Resp: 923298

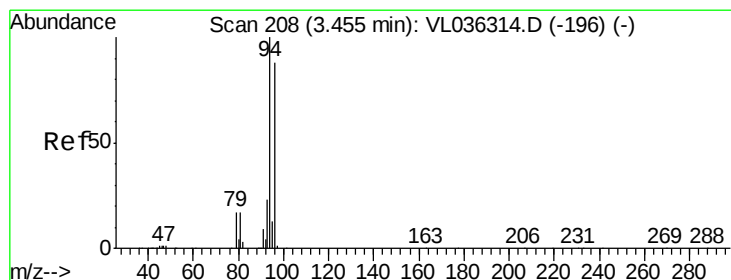
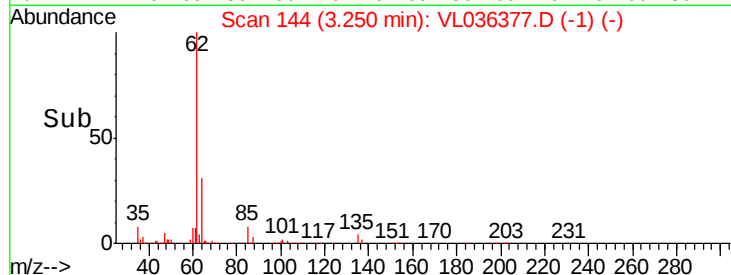
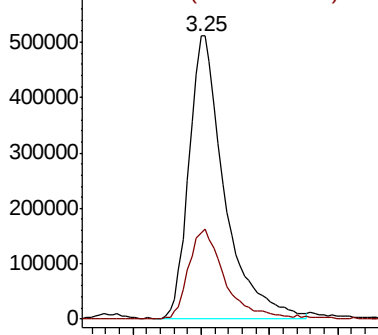
Ion Ratio Lower Upper

62 100

64 30.6 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.305 ppbv

RT: 3.46 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL036377.D

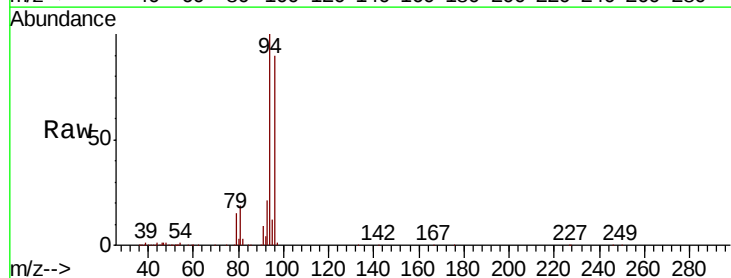
Acq: 25 Feb 2021 10:02

Tgt Ion: 94 Resp: 530909

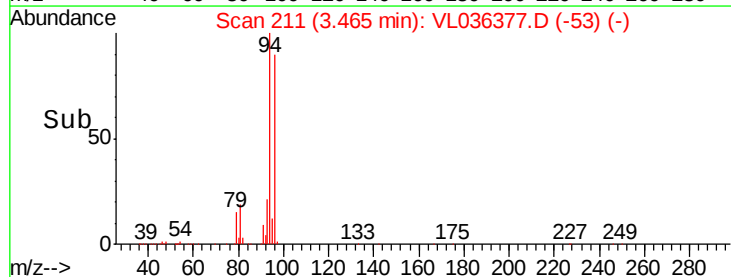
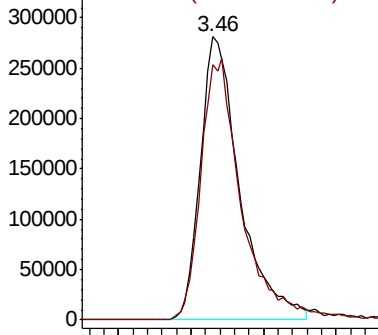
Ion Ratio Lower Upper

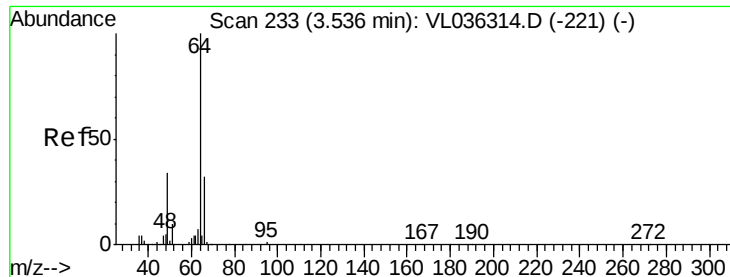
94 100

96 90.1 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0
Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.487 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

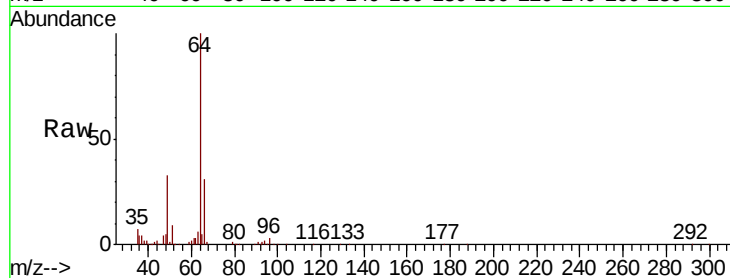
ClientSampleId :

Tot Ion: 64 Resp: 322740

Ion Ratio Lower Upper

64 100

66 30.8 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

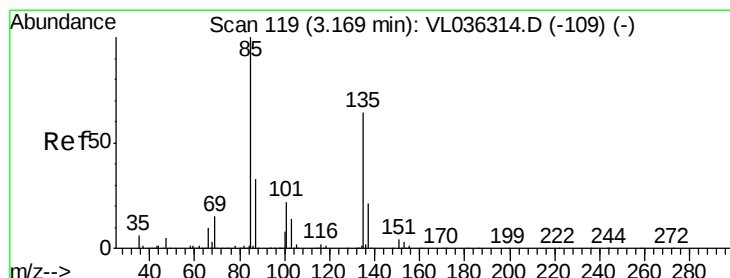
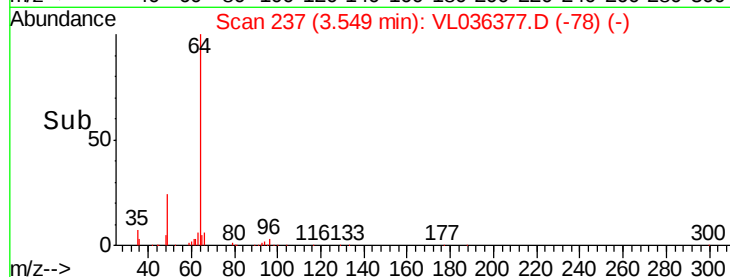
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.038 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL036377.D

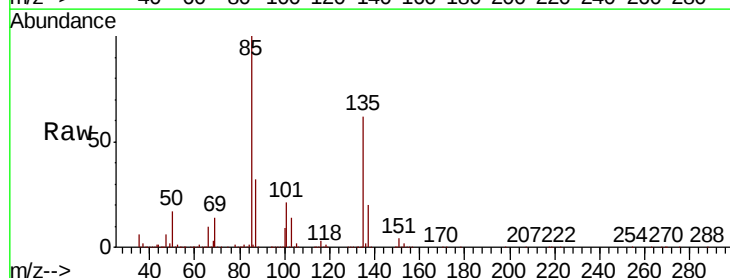
Acq: 25 Feb 2021 10:02

Tgt Ion: 85 Resp: 2112886

Ion Ratio Lower Upper

85 100

135 64.4 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

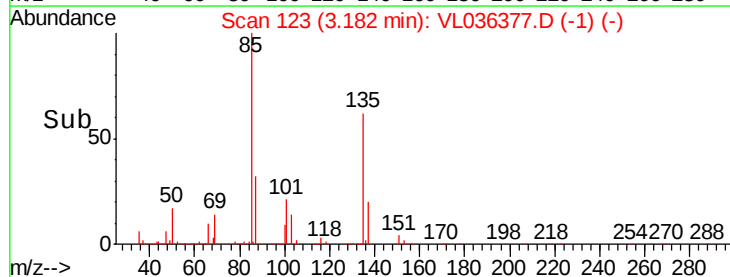
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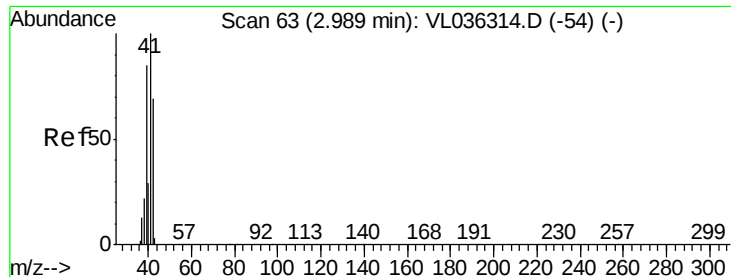
1000000

500000

0

Time-->





#9

Propene

Concen: 11.649 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

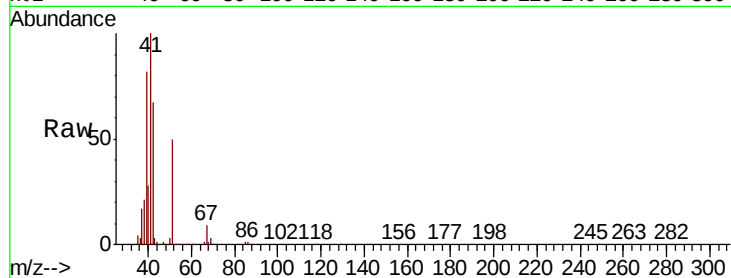
ClientSampleId :

Tot Ion: 41 Resp: 836780

Ion Ratio Lower Upper

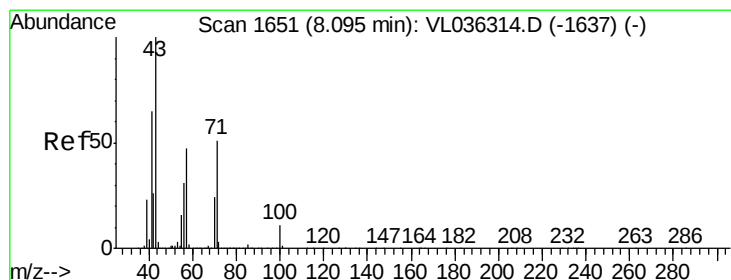
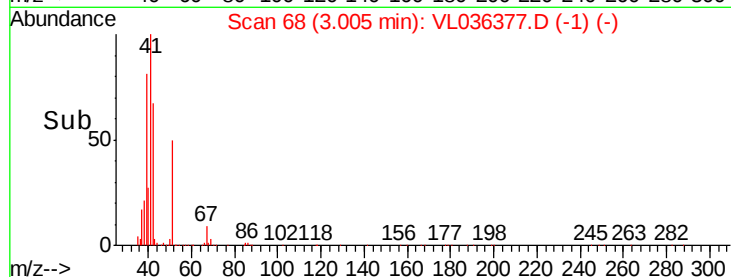
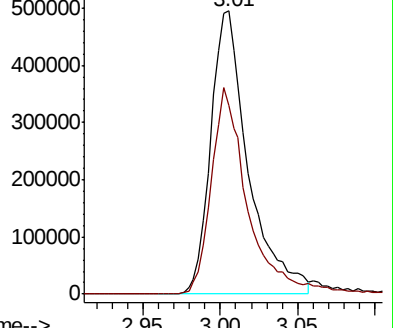
41 100

42 72.1 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.356 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL036377.D

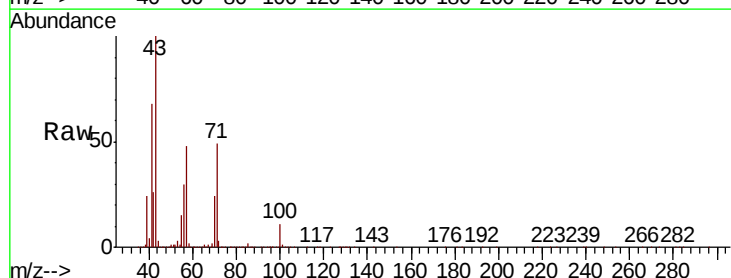
Acq: 25 Feb 2021 10:02

Tgt Ion: 43 Resp: 2192422

Ion Ratio Lower Upper

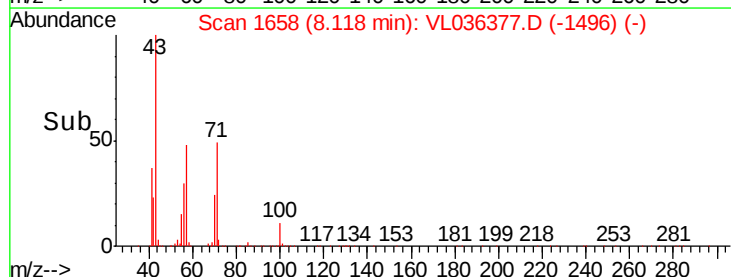
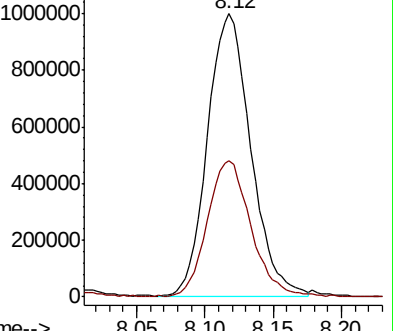
43 100

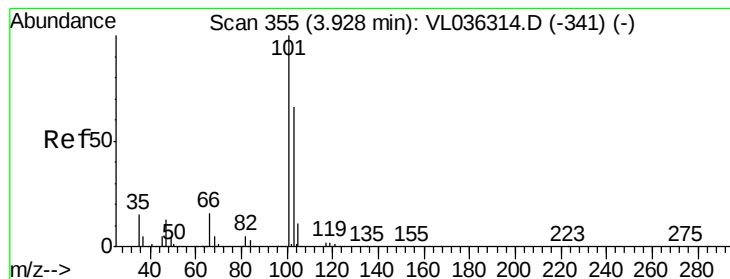
57 49.0 39.4 59.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.910 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

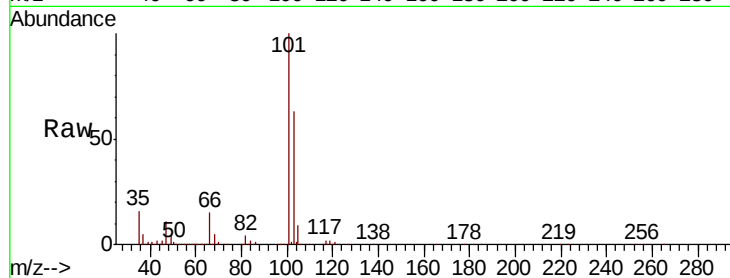
ClientSampleId :

Tot Ion:101 Resp: 2245751

Ion Ratio Lower Upper

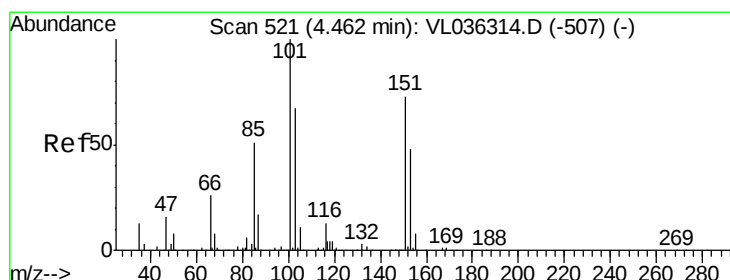
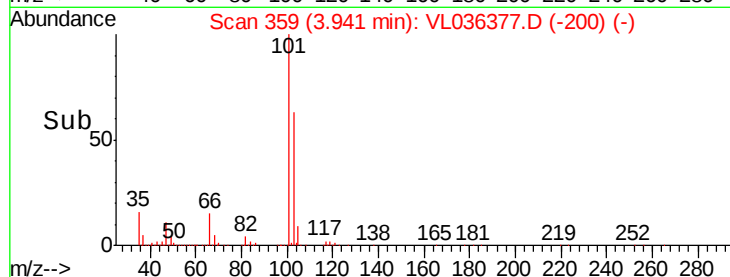
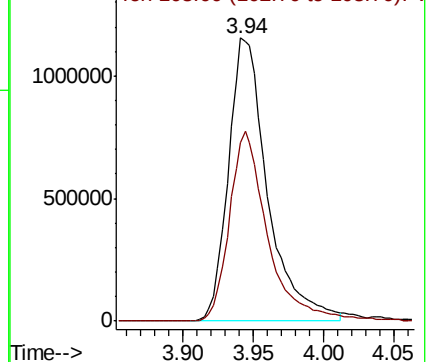
101 100

103 63.1 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.770 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.02 min

Lab File: VL036377.D

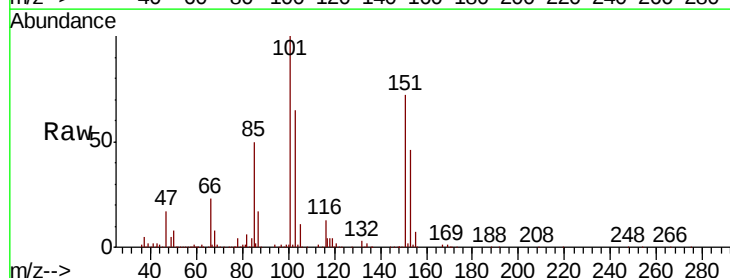
Acq: 25 Feb 2021 10:02

Tgt Ion:101 Resp: 1371441

Ion Ratio Lower Upper

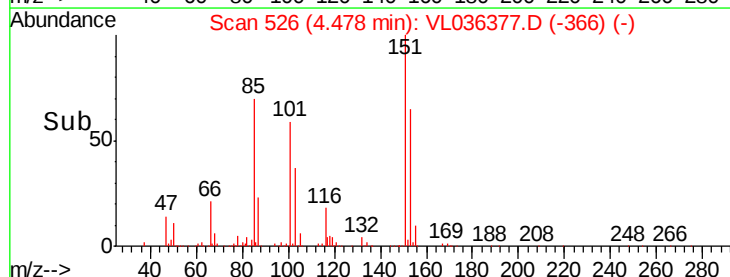
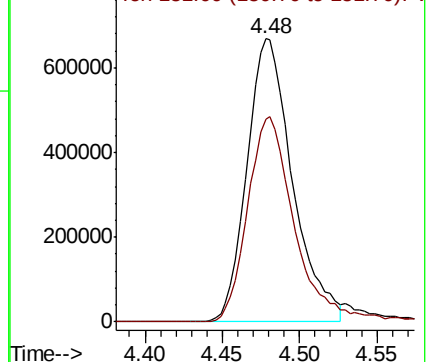
101 100

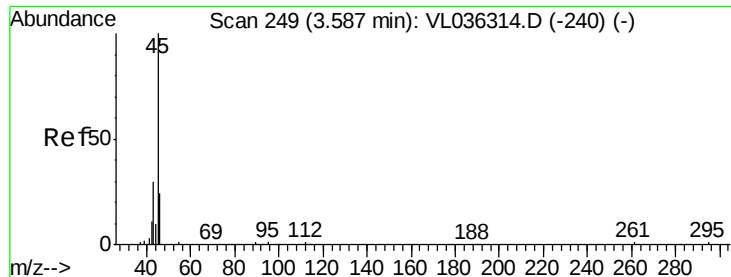
151 75.2 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.861 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

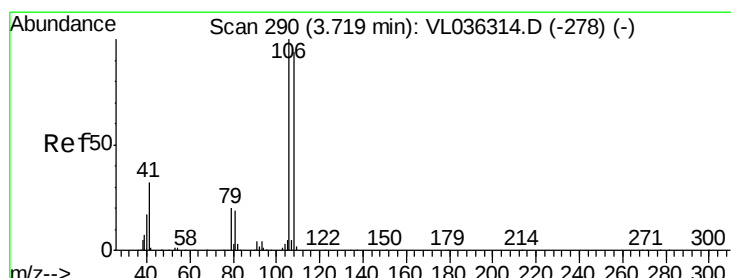
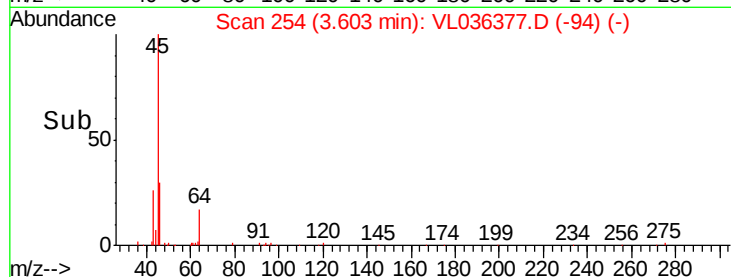
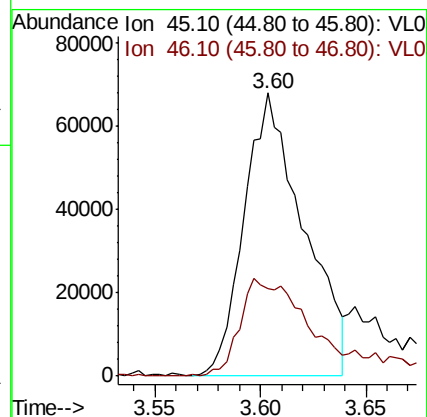
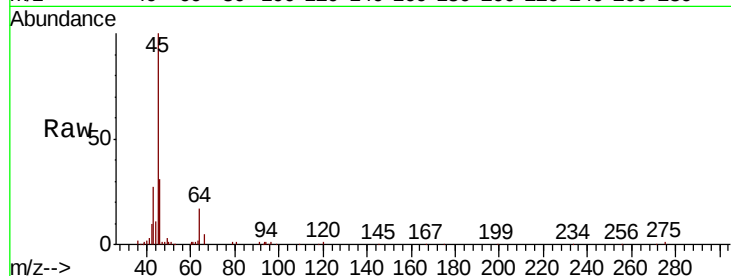
ClientSampleId :

Tot Ion: 45 Resp: 133050

Ion Ratio Lower Upper

45 100

46 48.1 17.7 70.7



#14

Bromoethene

Concen: 10.787 ppbv

RT: 3.73 min Scan# 294

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

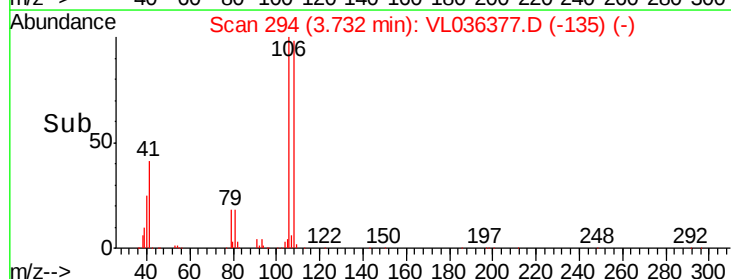
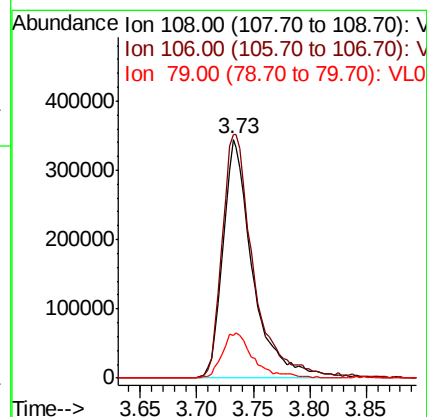
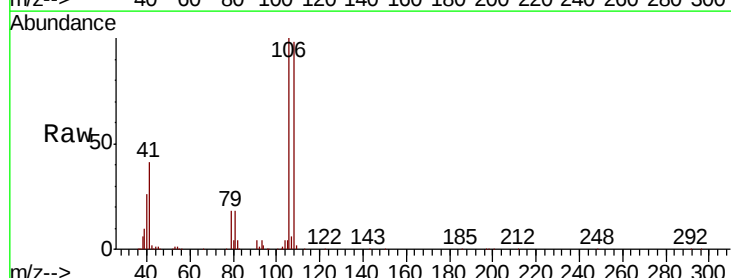
Tgt Ion: 108 Resp: 633755

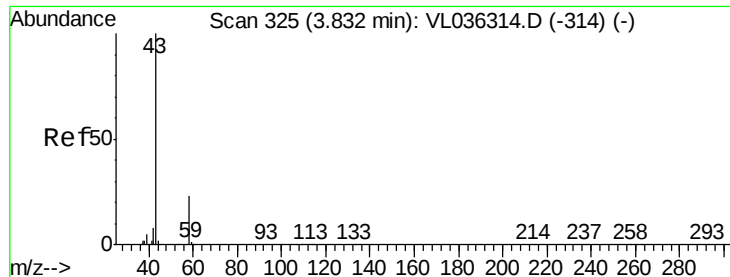
Ion Ratio Lower Upper

108 100

106 108.3 89.8 134.8

79 20.1 17.1 25.7





#15

Acetone

Concen: 9.360 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

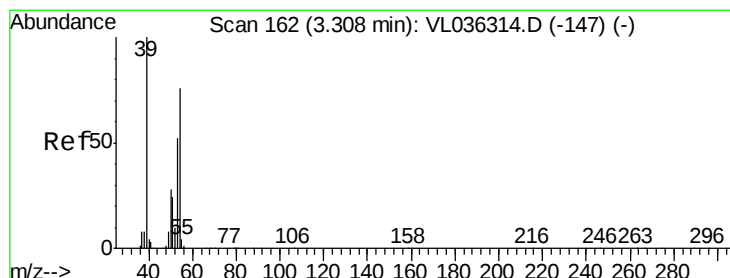
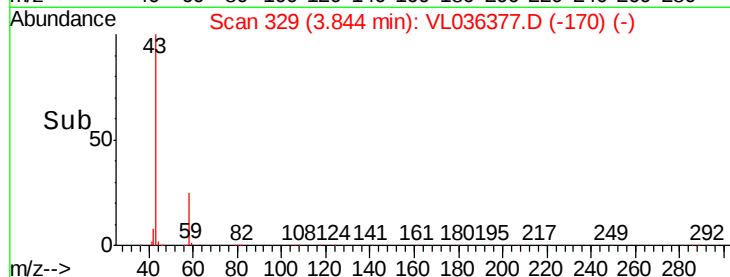
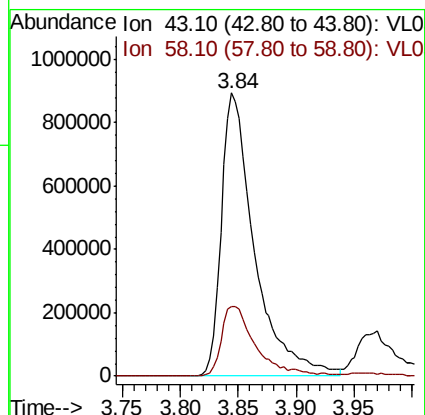
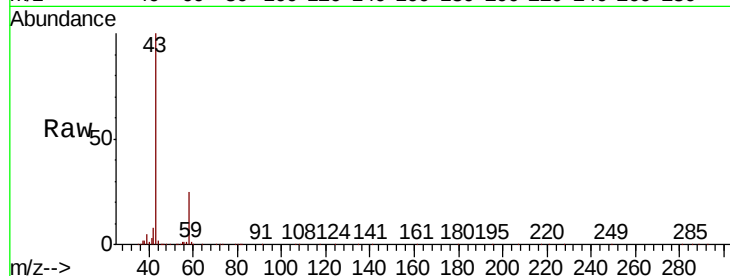
ClientSampleId :

Tot Ion: 43 Resp: 1774217

Ion Ratio Lower Upper

43 100

58 25.7 20.3 30.5



#16

1,3-Butadiene

Concen: 9.546 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL036377.D

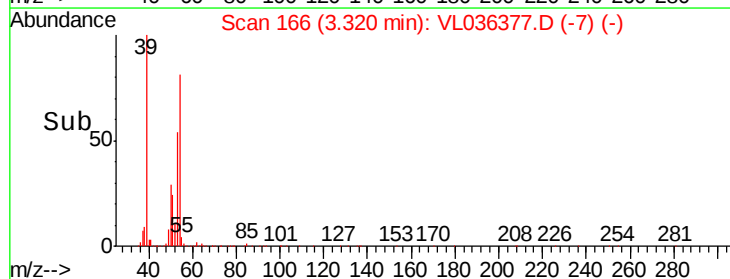
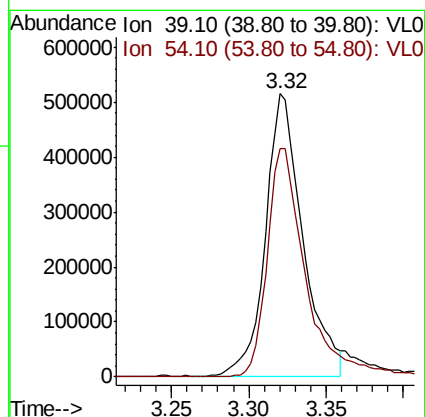
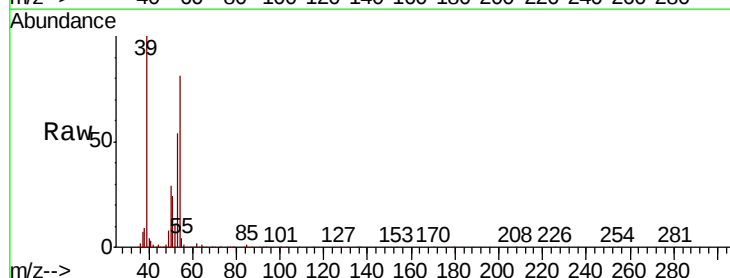
Acq: 25 Feb 2021 10:02

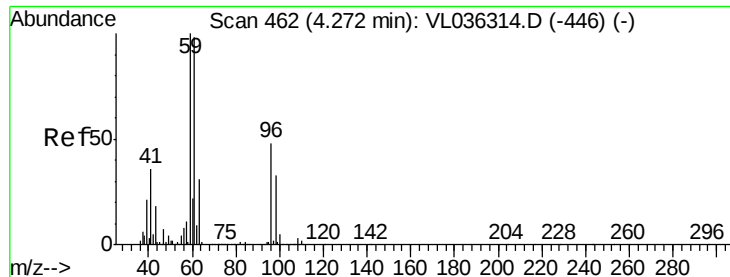
Tgt Ion: 39 Resp: 865268

Ion Ratio Lower Upper

39 100

54 84.2 64.4 96.6



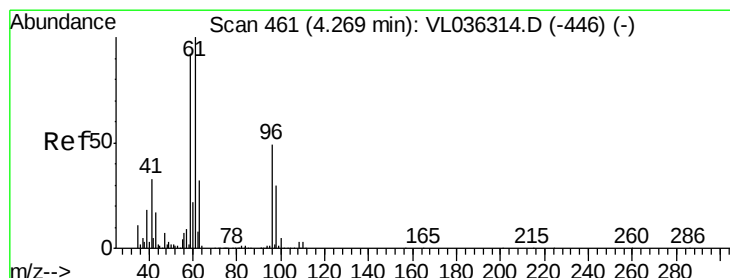
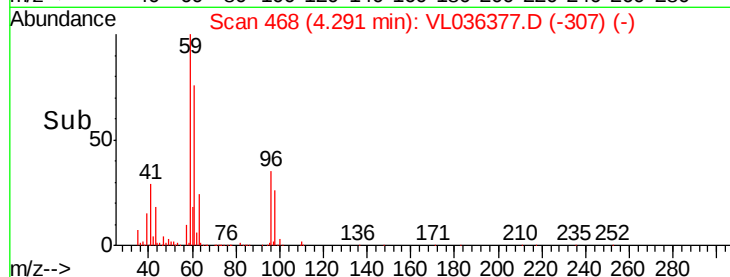
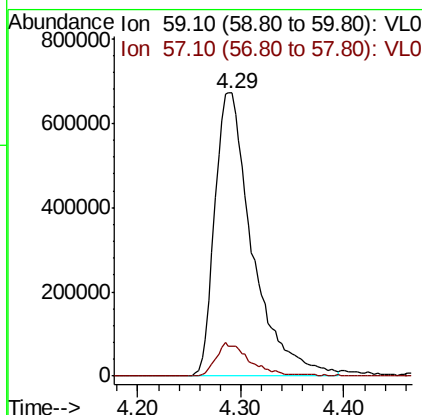
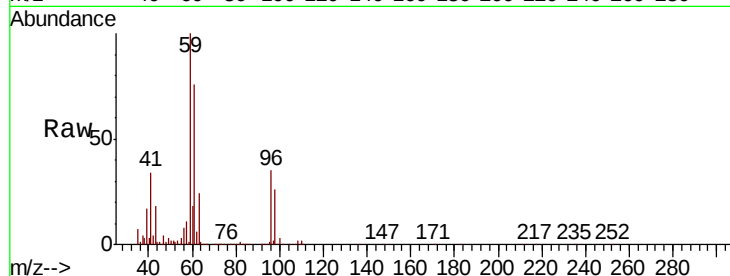


#17

tert-Butyl alcohol
Concen: 11.572 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampleId :

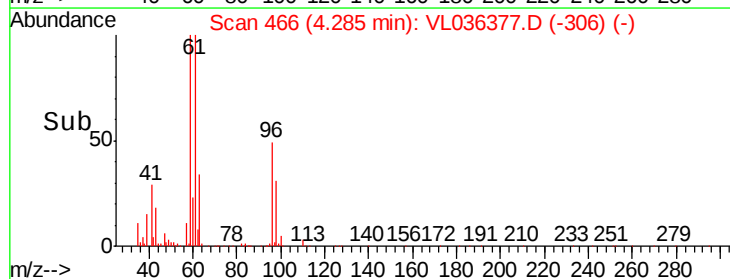
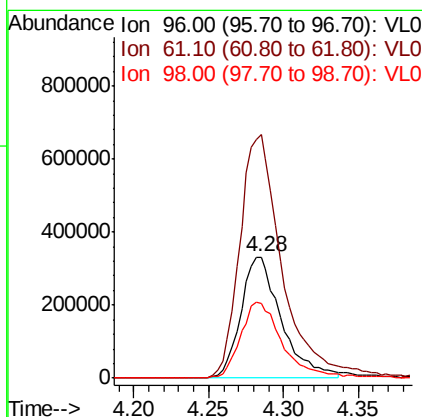
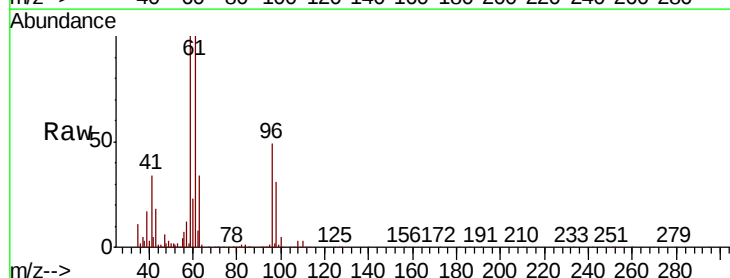
Tot Ion: 59 Resp: 1702732
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

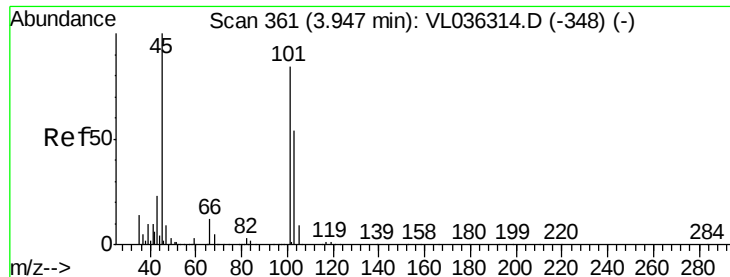


#18

1,1-Dichloroethene
Concen: 9.780 ppbv
RT: 4.28 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 96 Resp: 623902
Ion Ratio Lower Upper
96 100
61 201.5 162.5 243.7
98 61.8 48.5 72.7



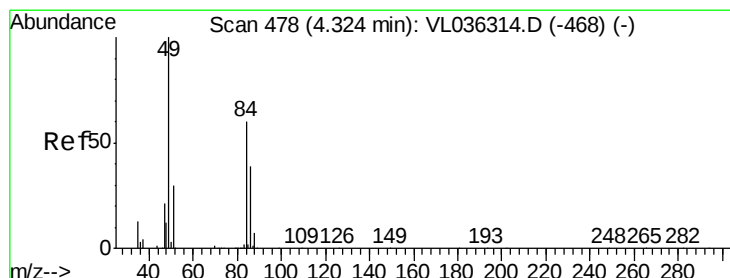
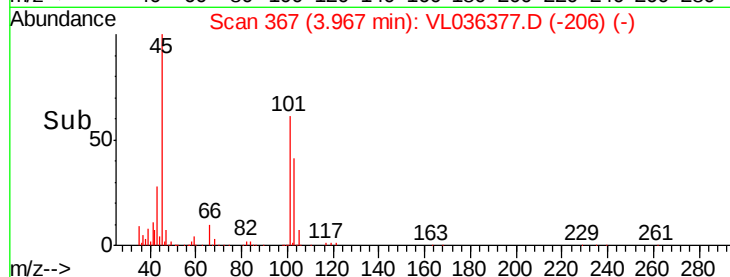
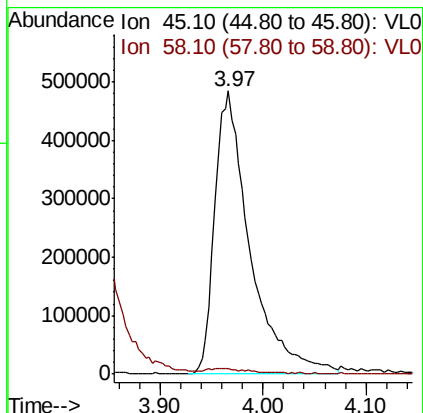
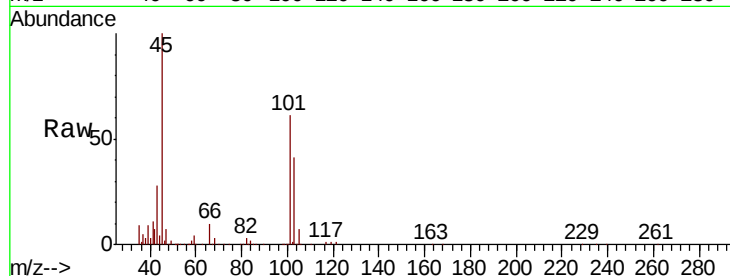


#19

Isopropyl Alcohol
 Concen: 10.832 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :

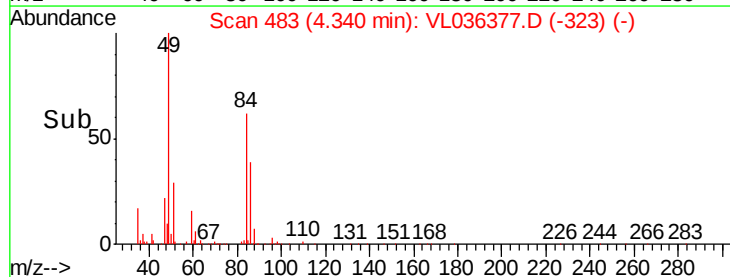
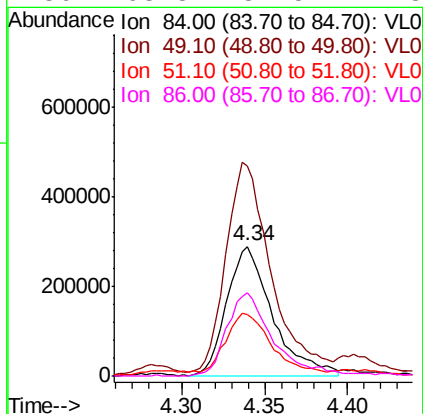
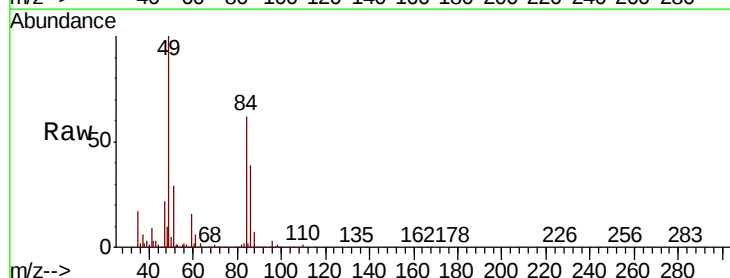
Tot Ion: 45 Resp: 1137554
 Ion Ratio Lower Upper
 45 100
 58 2.7 1.9 2.9

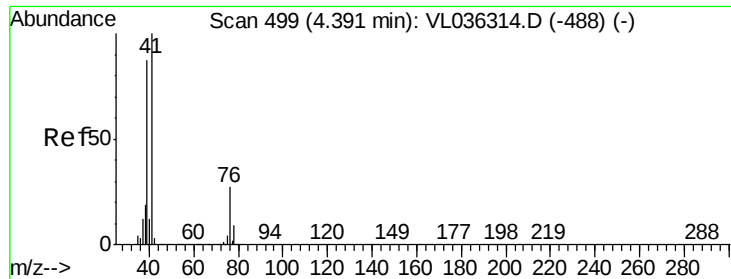


#20

Methylene Chloride
 Concen: 8.991 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 84 Resp: 549848
 Ion Ratio Lower Upper
 84 100
 49 160.0 133.8 200.8
 51 44.6 41.4 62.0
 86 63.8 51.5 77.3





#21

Allvl Chloride

Concen: 10.248 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampled :

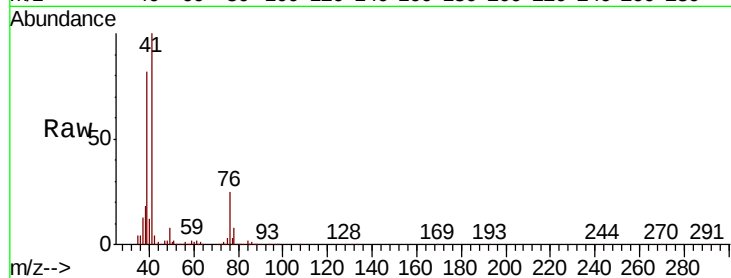
Tot Ion: 41 Resp: 1081497

Ion Ratio Lower Upper

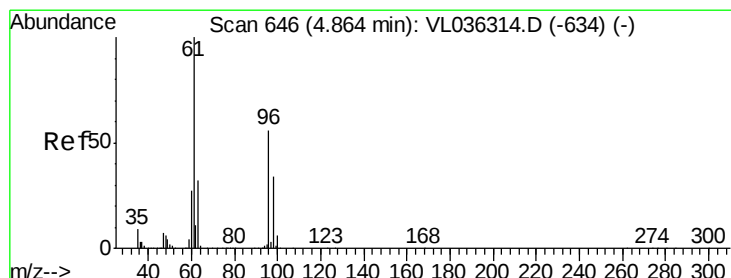
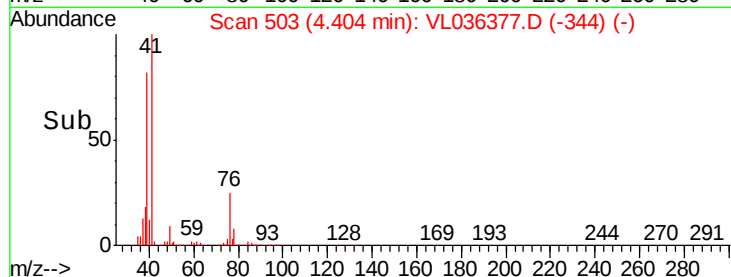
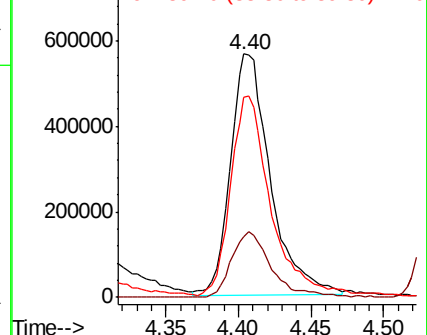
41 100

76 27.2 22.0 33.0

39 83.8 70.2 105.2



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: 10.577 ppbv

RT: 4.88 min Scan# 650

Delta R.T. 0.01 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

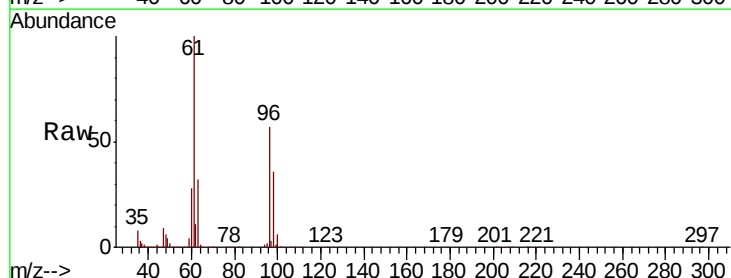
Tgt Ion: 96 Resp: 612945

Ion Ratio Lower Upper

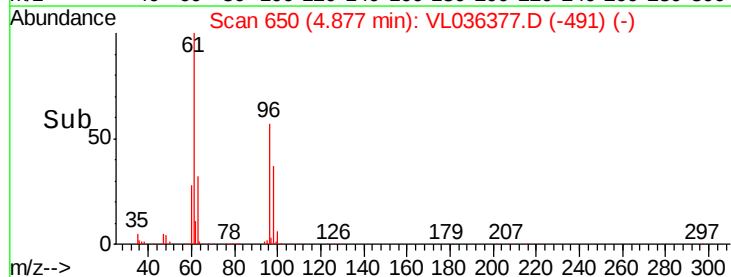
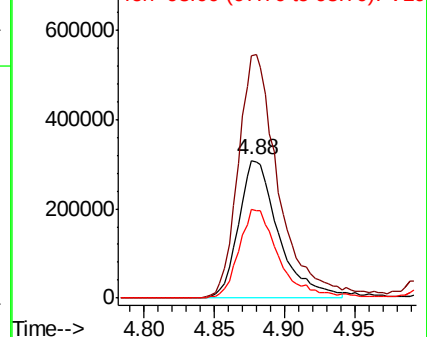
96 100

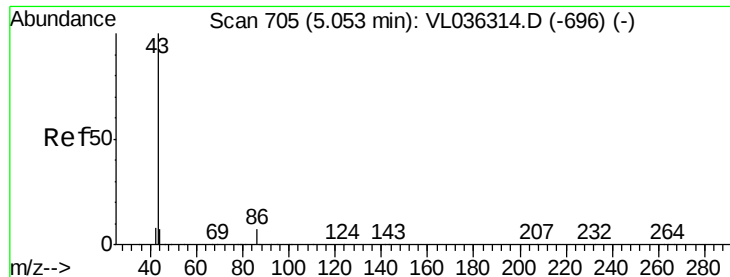
61 176.7 143.7 215.5

98 64.4 48.5 72.7



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: 10.309 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2297555

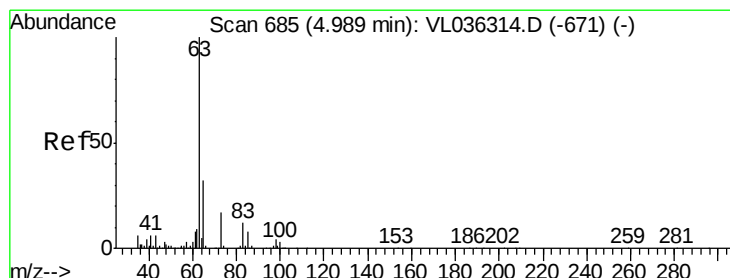
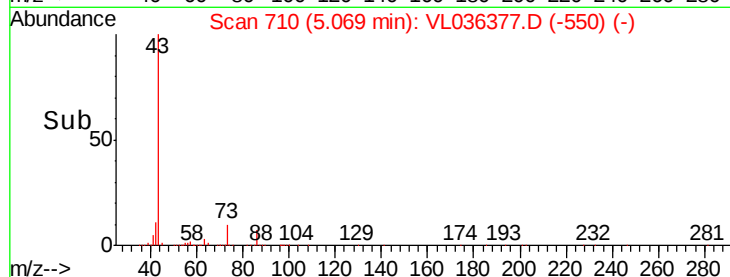
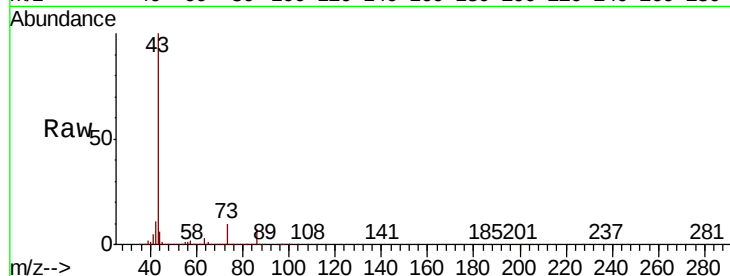
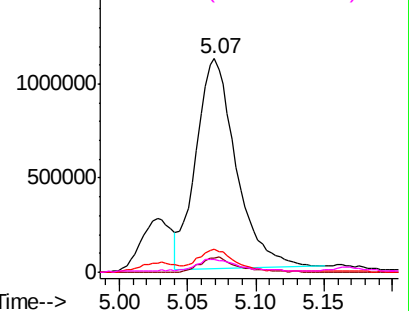
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.8	7.2
42	10.7	7.4	11.0
44	5.5	4.8	7.2

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: 10.323 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

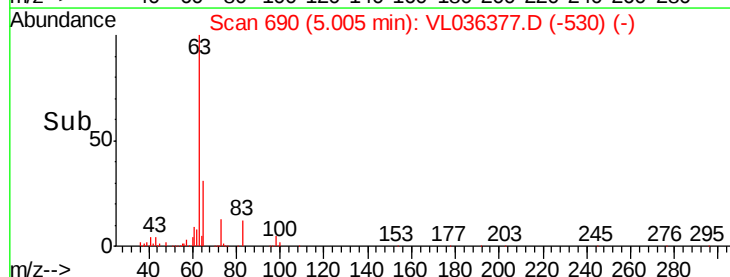
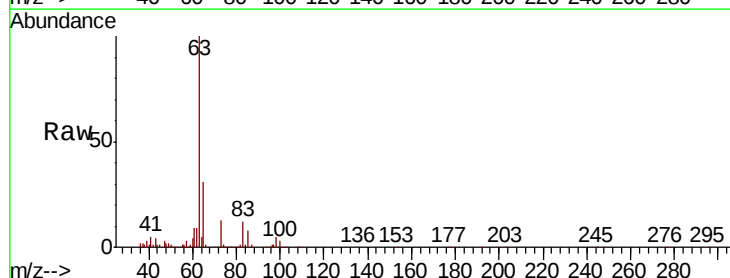
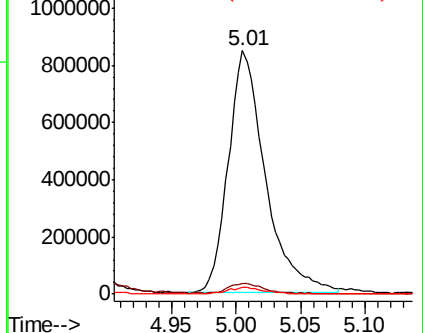
Tgt Ion: 63 Resp: 1701476

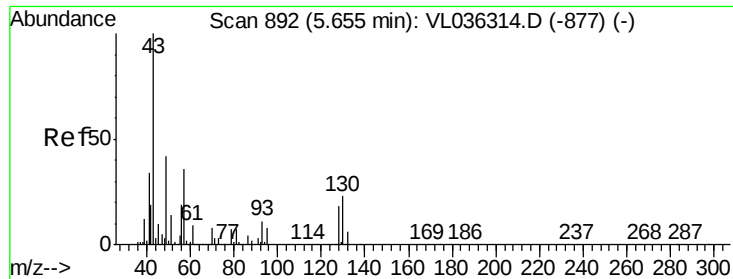
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.5	1.5	4.4

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

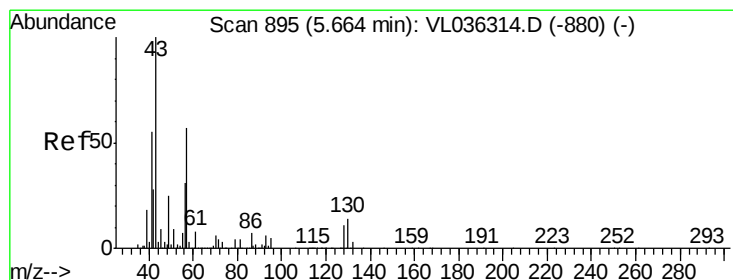
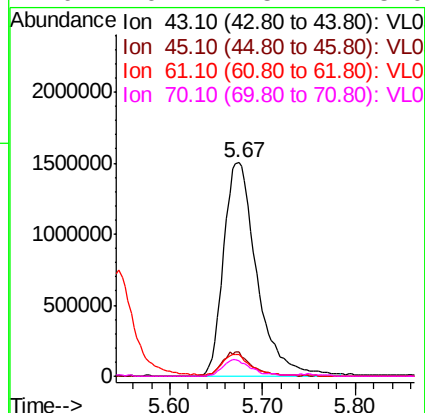
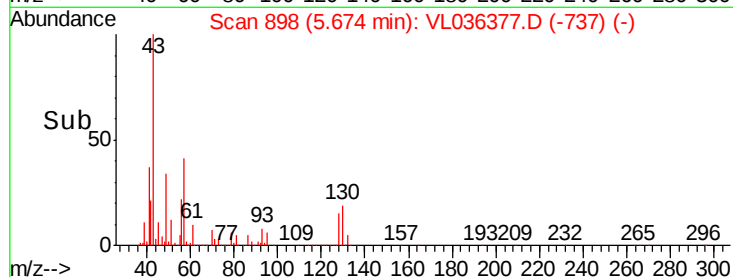
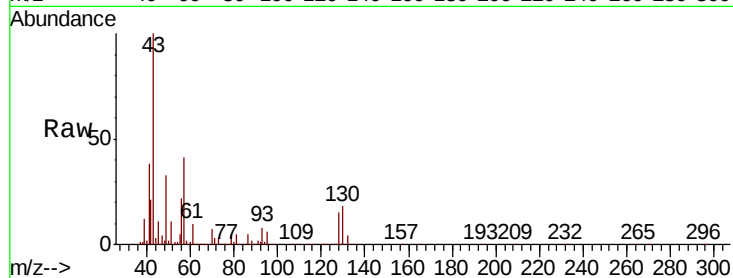




#25
Ethyl Acetate
Concen: 10.208 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

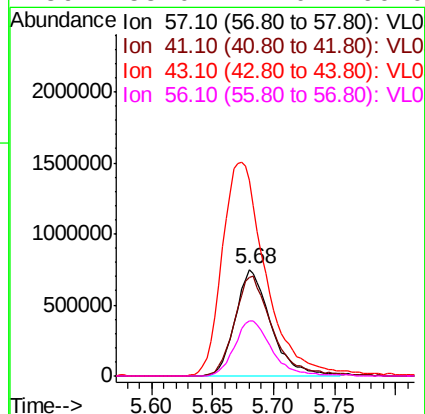
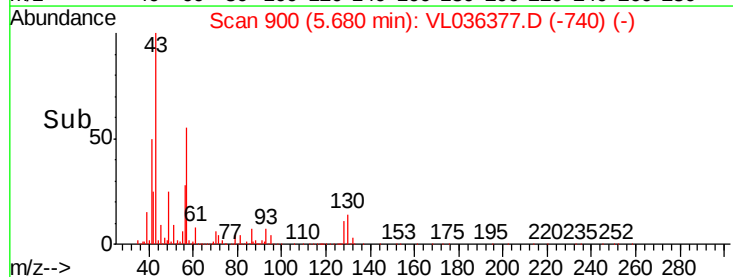
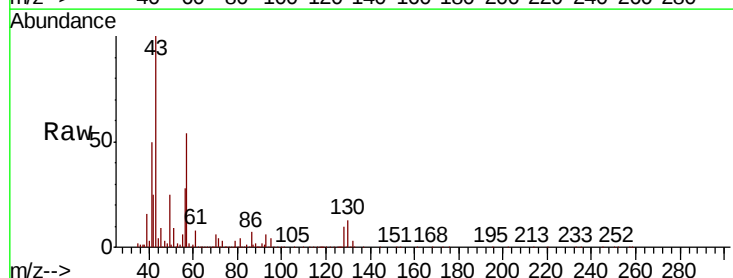
Instrument :
MSVOA_L
ClientSampleId :

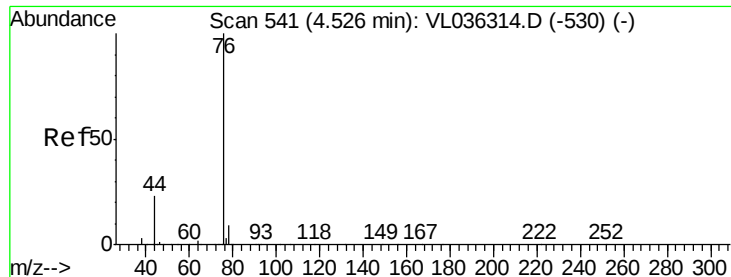
Tot Ion:	43	Resp:	3735258
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.4	7.3	10.9
70	6.7	5.4	8.0



#26
Hexane
Concen: 10.006 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion:	57	Resp:	1504365
Ion	Ratio	Lower	Upper
57	100		
41	101.2	81.7	122.5
43	249.8	199.1	298.7
56	55.0	44.0	66.0





#27

Carbon Disulfide

Concen: 11.458 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

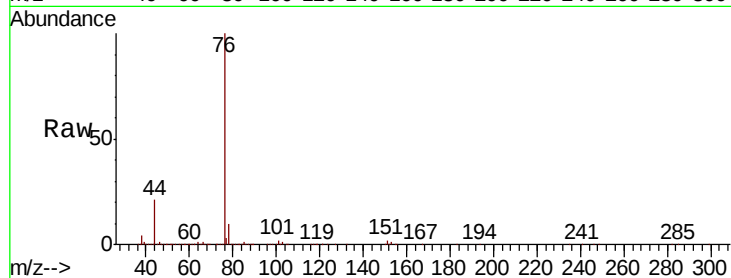
Tot Ion: 76 Resp: 1583275

Ion Ratio Lower Upper

76 100

44 21.9 18.4 27.6

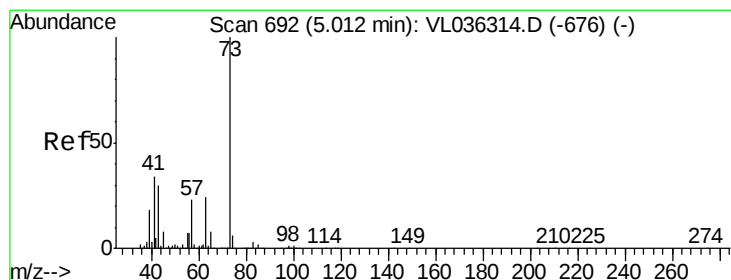
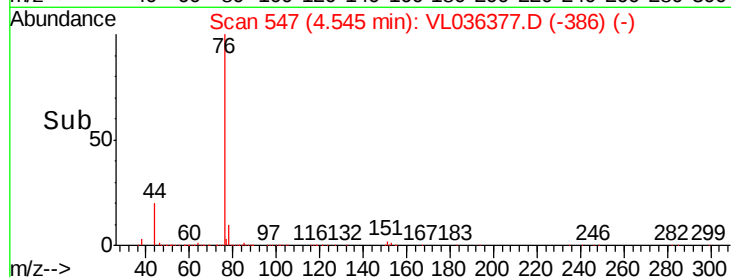
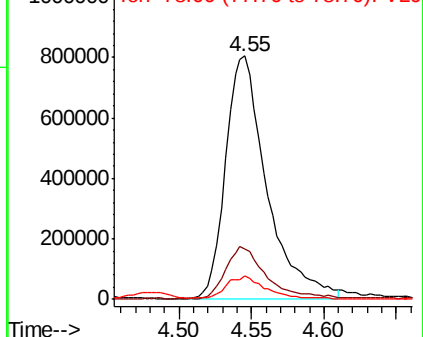
78 10.1 8.0 12.0



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: 10.814 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL036377.D

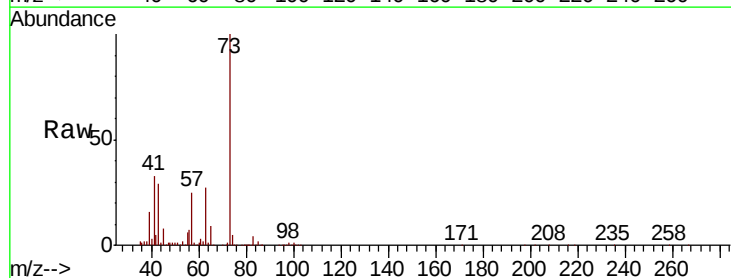
Acq: 25 Feb 2021 10:02

Tgt Ion: 73 Resp: 2124053

Ion Ratio Lower Upper

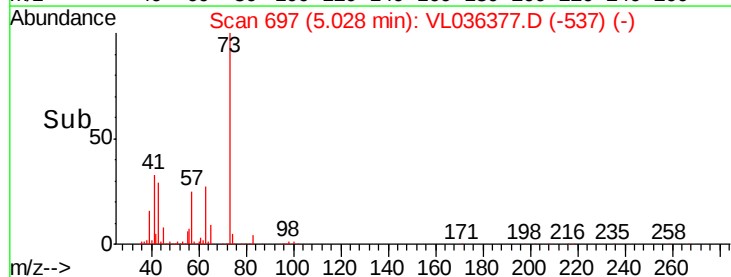
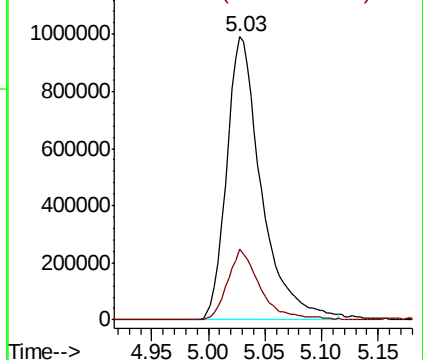
73 100

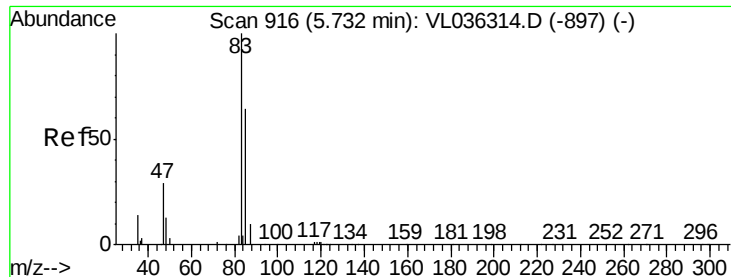
57 23.6 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.850 ppbv

RT: 5.75 min Scan# 921

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

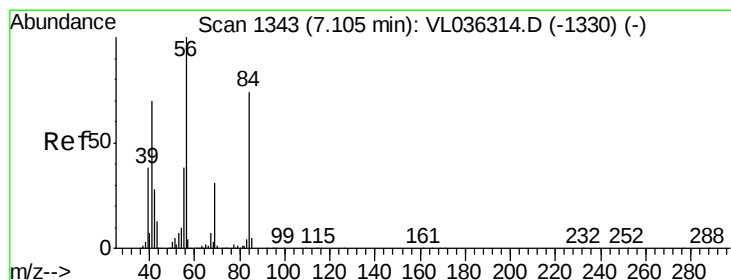
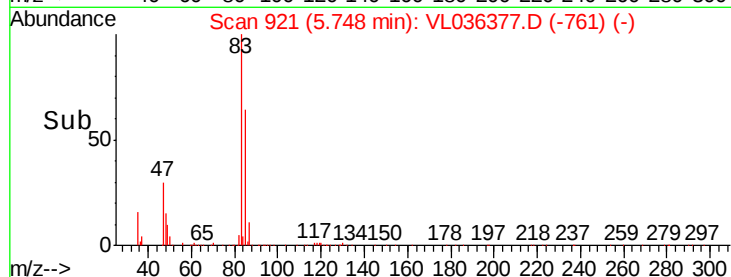
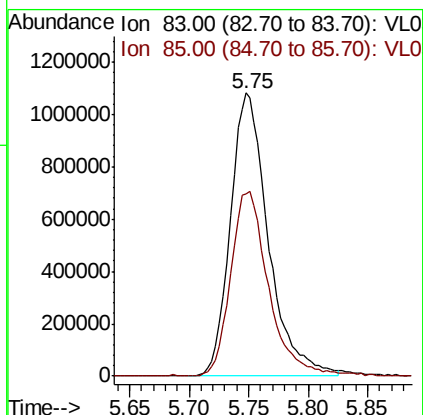
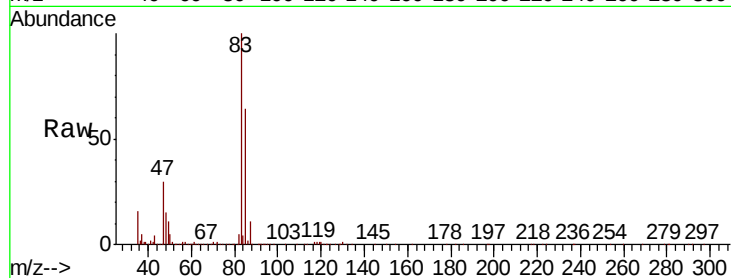
ClientSampleId :

Tot Ion: 83 Resp: 2385943

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2



#30

Cyclohexane

Concen: 9.966 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

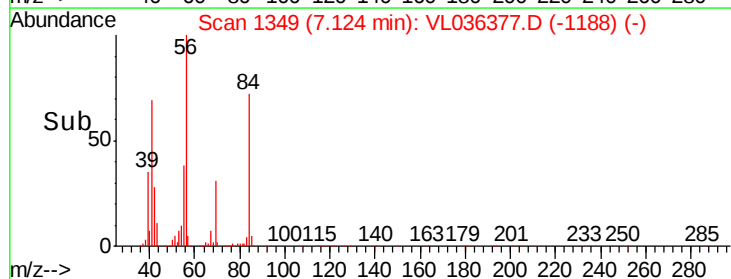
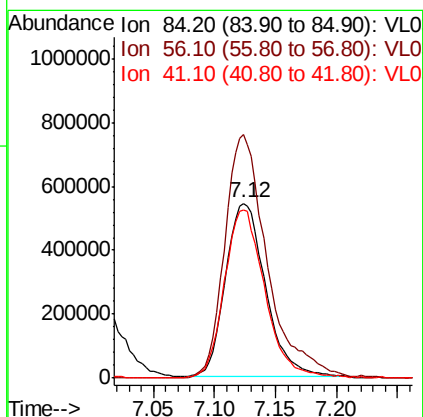
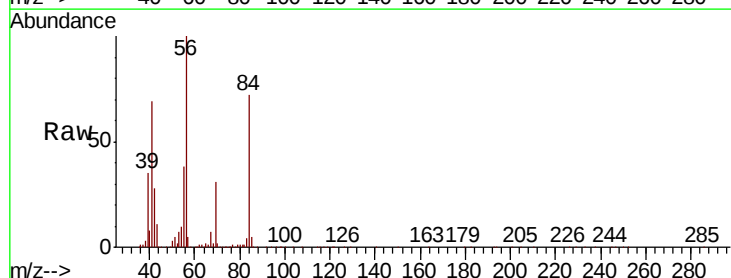
Tgt Ion: 84 Resp: 1246171

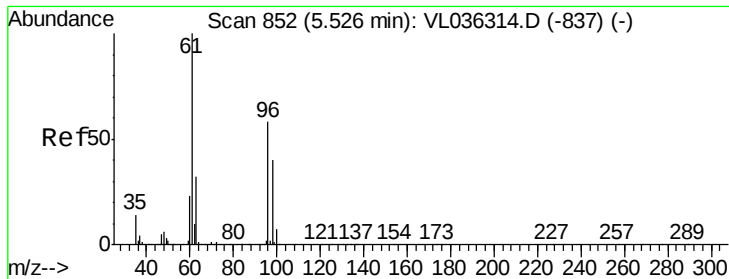
Ion Ratio Lower Upper

84 100

56 150.0 120.2 180.4

41 97.9 79.7 119.5



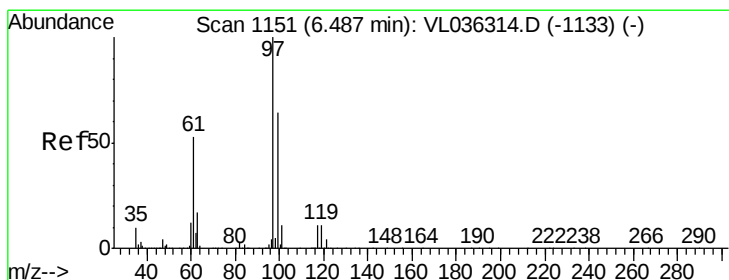
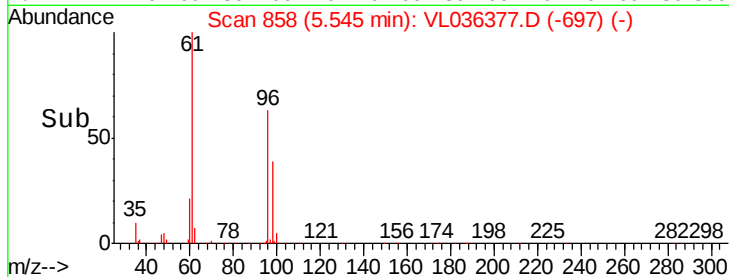
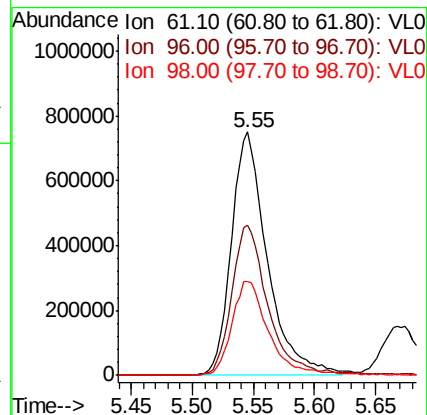
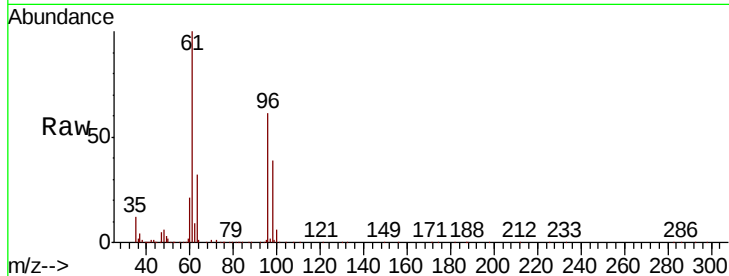


#31

cis-1,2-Dichloroethene
 Concen: 10.303 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :

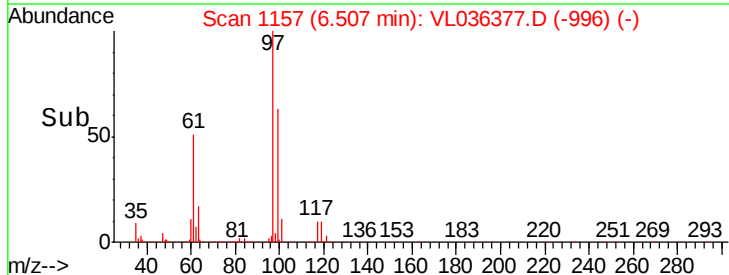
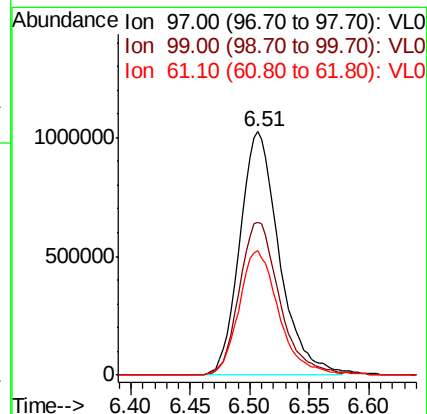
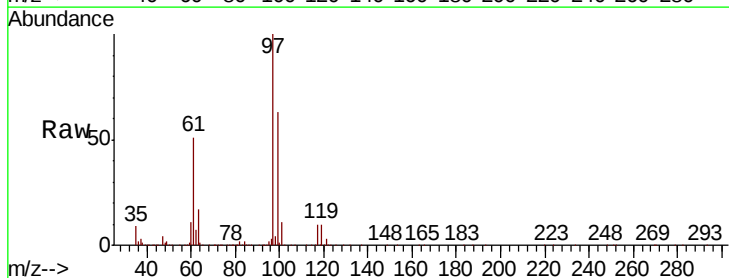
Tot Ion: 61 Resp: 1532729
 Ion Ratio Lower Upper
 61 100
 96 61.5 46.0 69.0
 98 38.6 31.9 47.9

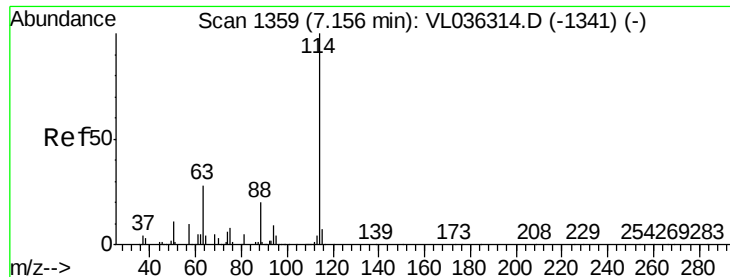


#32

1,1,1-Trichloroethane
 Concen: 10.384 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 97 Resp: 2351581
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.2 78.4
 61 52.1 43.3 64.9

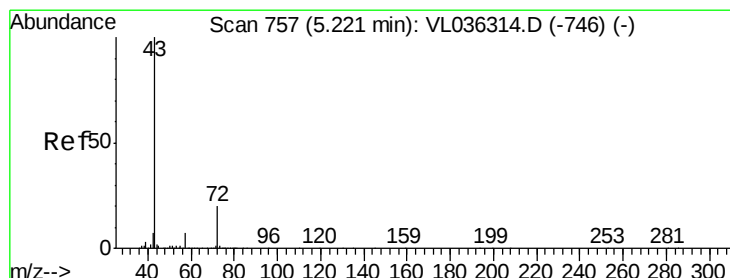
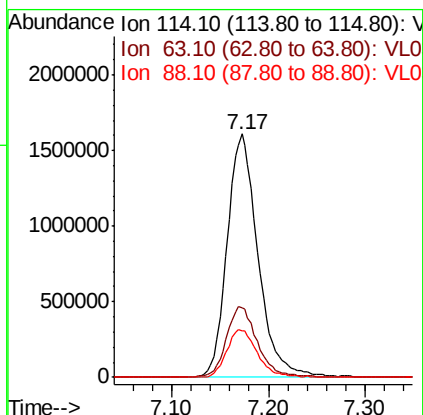
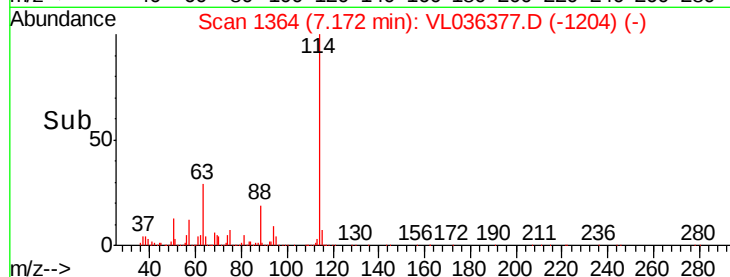
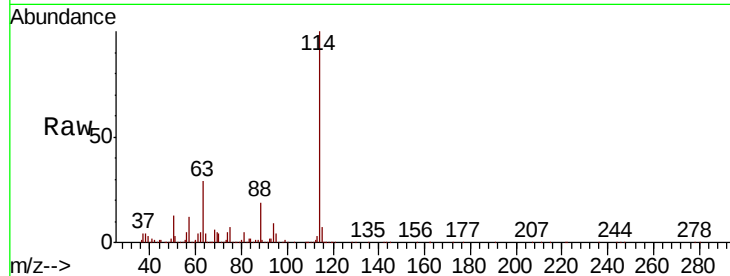




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

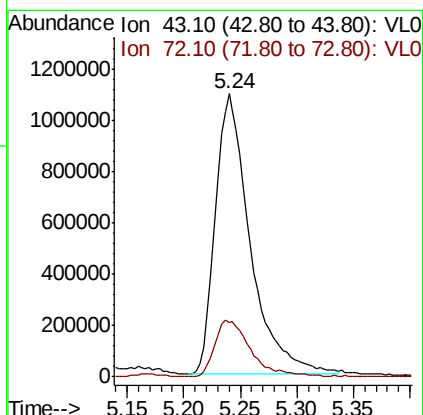
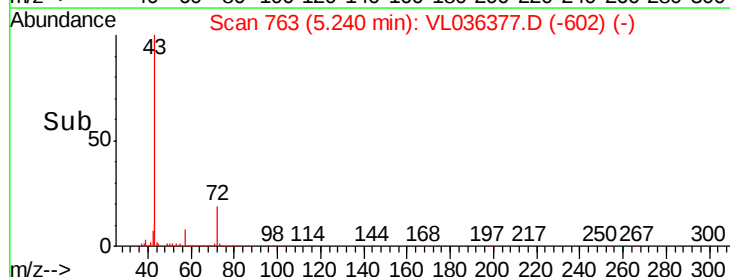
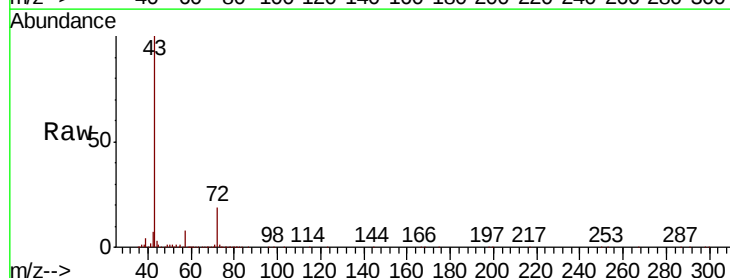
Instrument :
 MSVOA_L
 ClientSampleId :

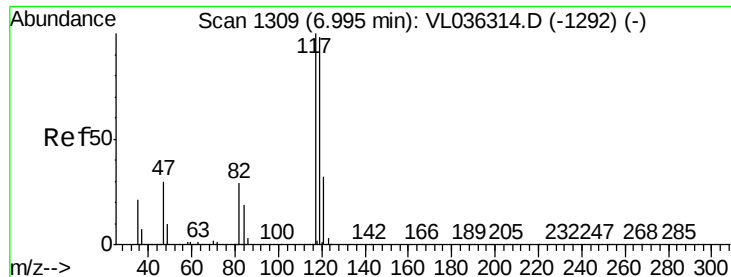
Tot Ion:114 Resp: 3566299
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 19.8 16.0 24.0



#34
 2-Butanone
 Concen: 9.899 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 43 Resp: 2345599
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.911 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampled :

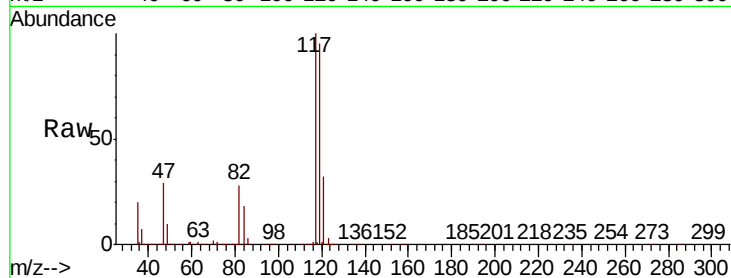
Tot Ion:117 Resp: 2368960

Ion Ratio Lower Upper

117 100

119 95.0 78.1 117.1

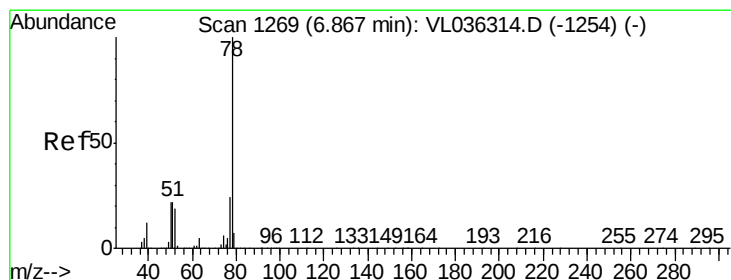
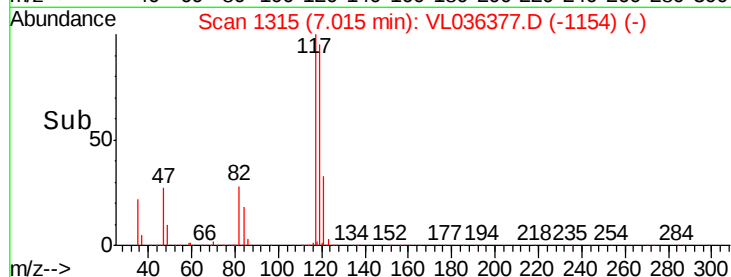
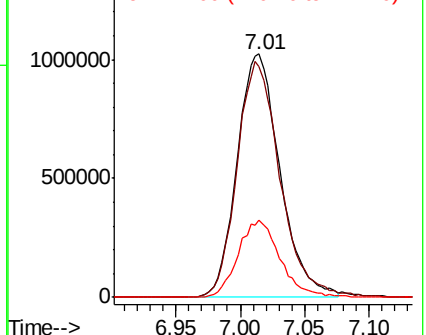
121 32.0 25.8 38.8



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: 10.435 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

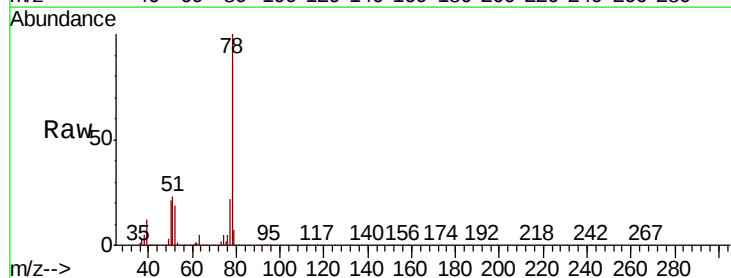
Tgt Ion: 78 Resp: 3161228

Ion Ratio Lower Upper

78 100

77 22.3 18.9 28.3

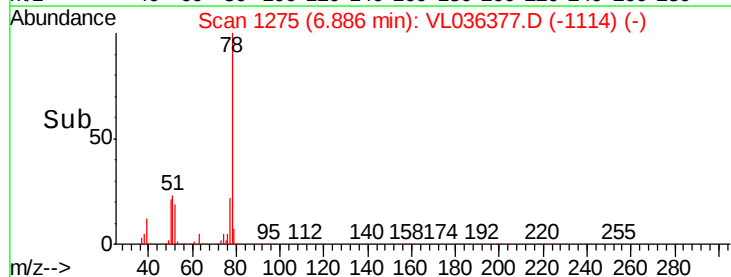
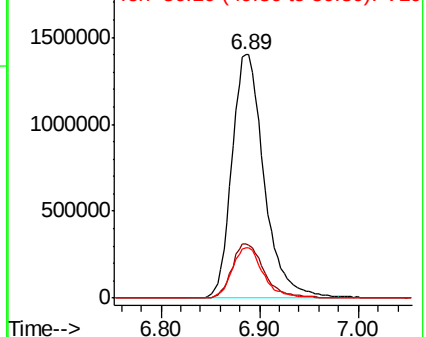
50 20.9 17.3 25.9

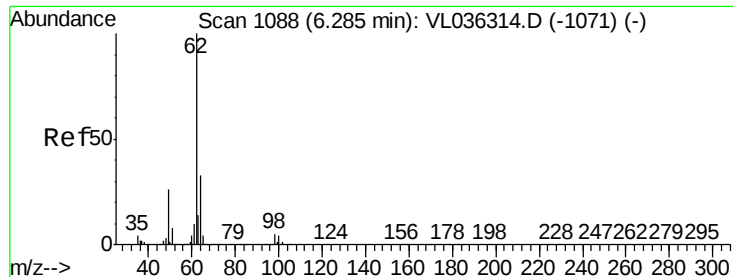


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

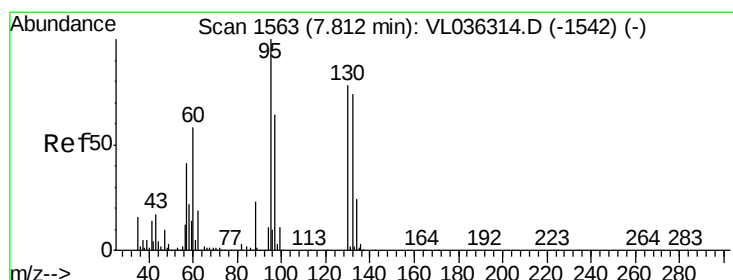
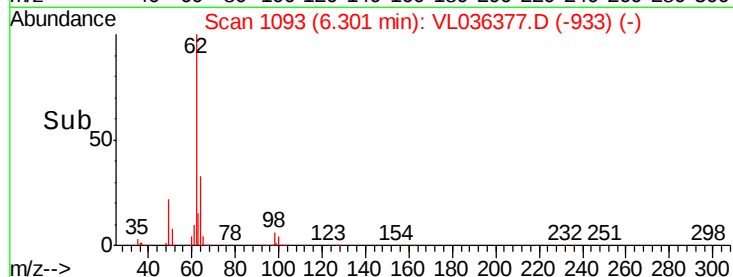
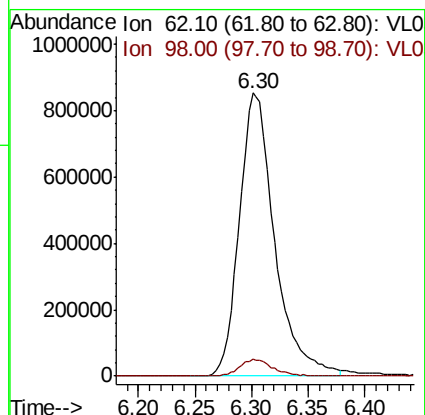
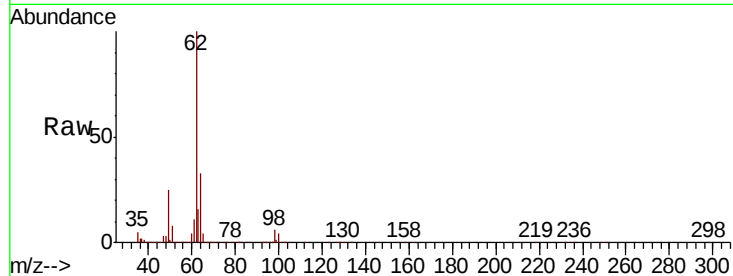




#37
1,2-Dichloroethane
Concen: 9.903 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

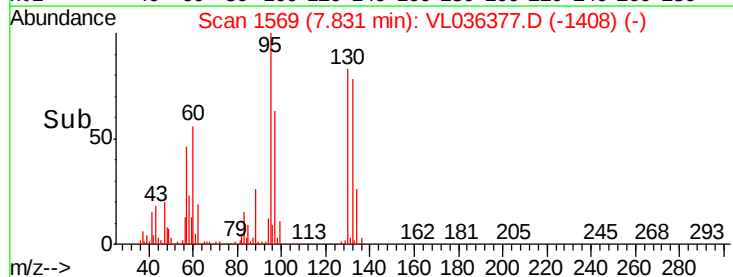
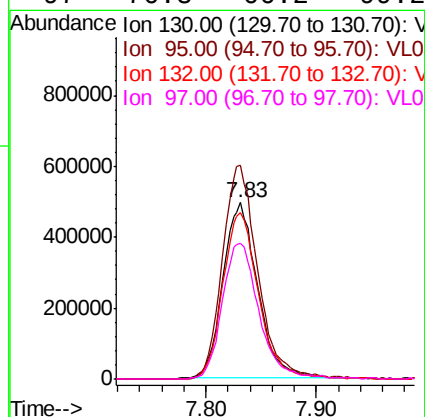
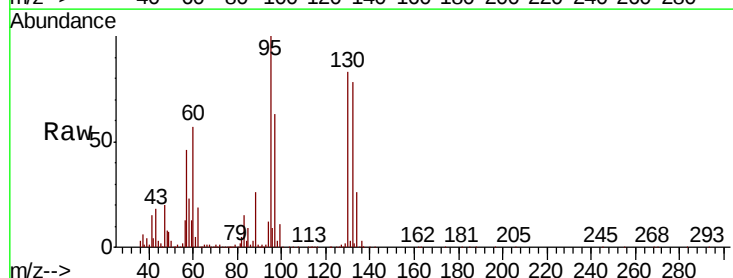
Instrument :
MSVOA_L
ClientSampleId :

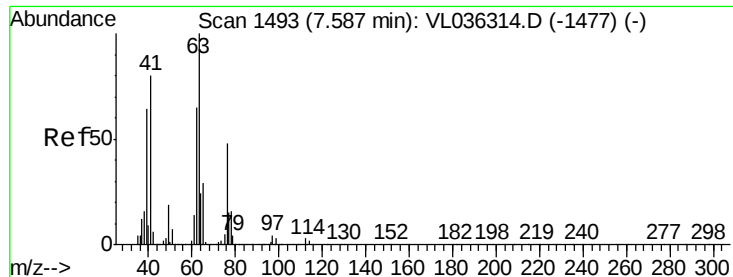
Tot Ion: 62 Resp: 1854883
Ion Ratio Lower Upper
62 100
98 5.9 4.5 6.7



#38
Trichloroethene
Concen: 9.923 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion:130 Resp: 1076913
Ion Ratio Lower Upper
130 100
95 121.5 102.8 154.2
132 94.5 75.7 113.5
97 76.8 66.2 99.2

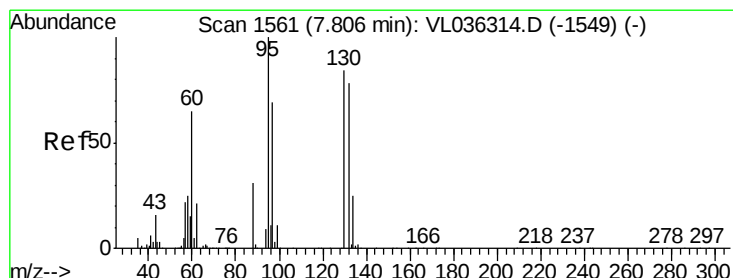
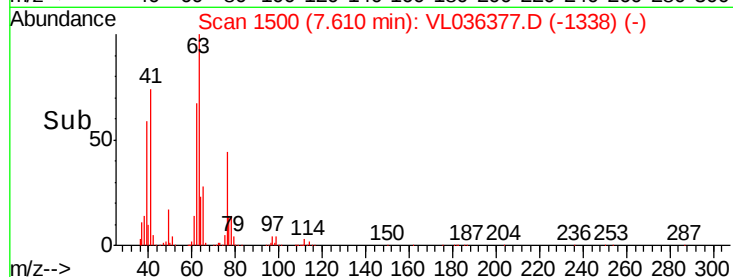
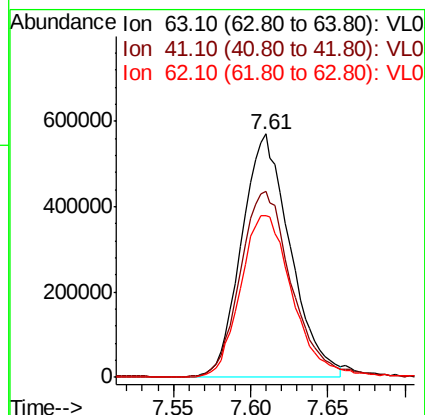
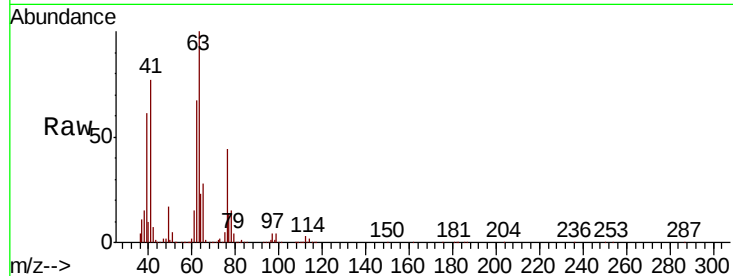




#39
 1,2-Dichloropropane
 Concen: 10.102 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

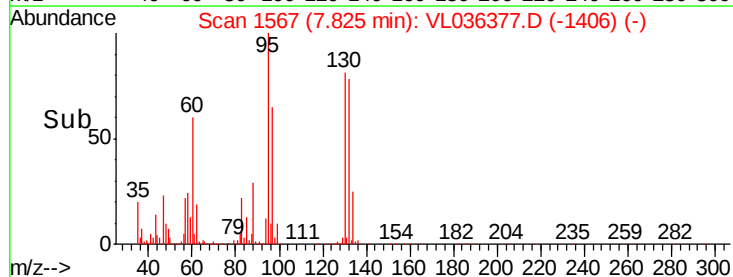
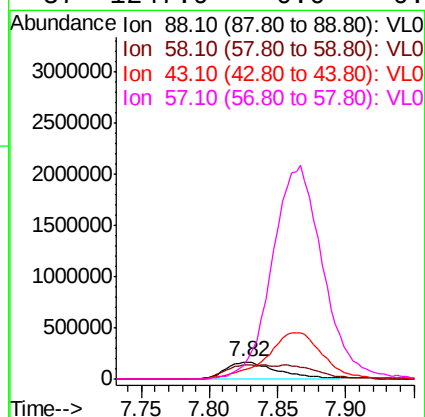
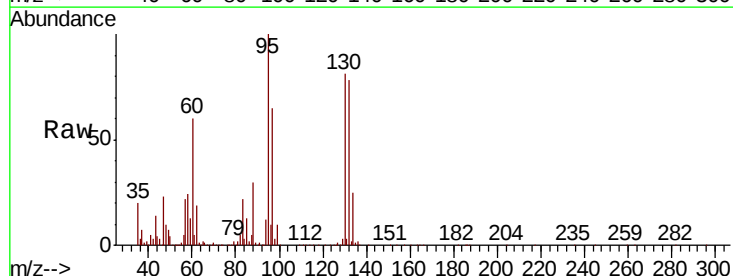
Instrument :
 MSVOA_L
 ClientSampleId :

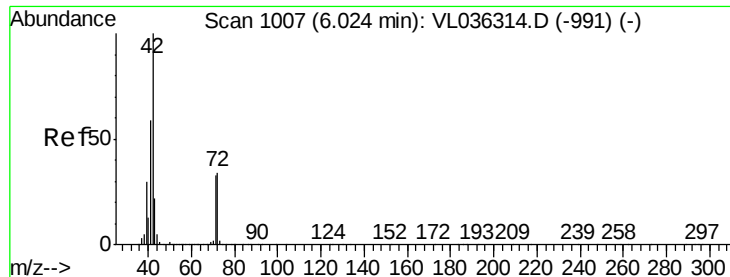
Tot Ion: 63 Resp: 1243131
 Ion Ratio Lower Upper
 63 100
 41 76.2 63.8 95.6
 62 66.5 52.3 78.5



#40
 1,4-Dioxane
 Concen: 10.166 ppbv
 RT: 7.82 min Scan# 1567
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 88 Resp: 433450
 Ion Ratio Lower Upper
 88 100
 58 140.1 45.0 67.4#
 43 302.7 0.0 0.0#
 57 1247.9 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.728 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

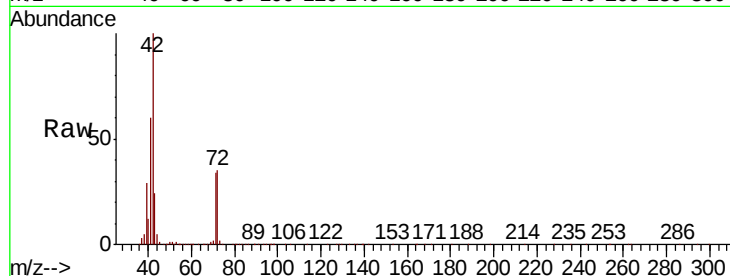
Tot Ion: 42 Resp: 1418551

Ion Ratio Lower Upper

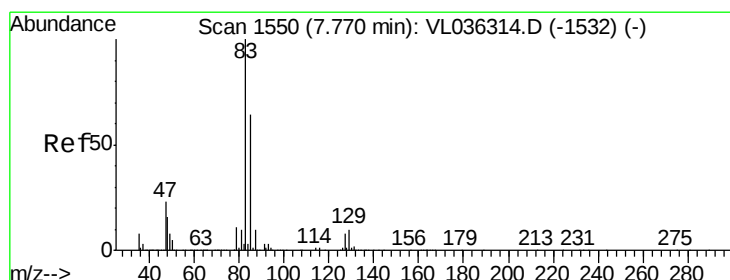
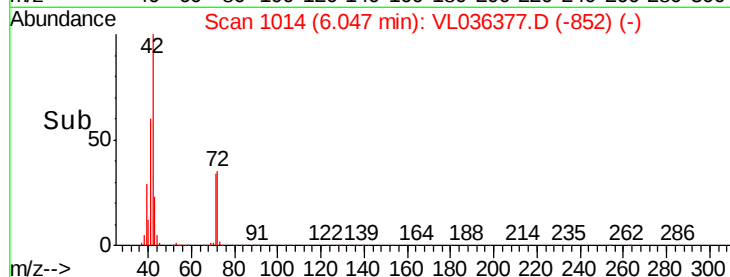
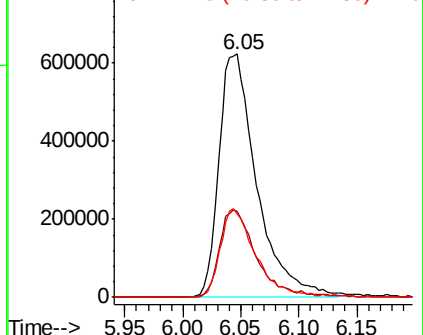
42 100

72 35.7 29.3 43.9

71 34.8 27.8 41.8



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: 10.368 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

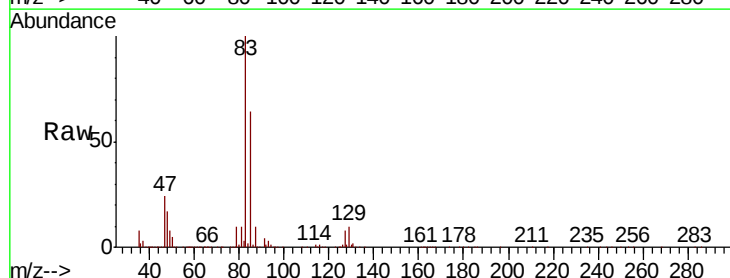
Tgt Ion: 83 Resp: 2600893

Ion Ratio Lower Upper

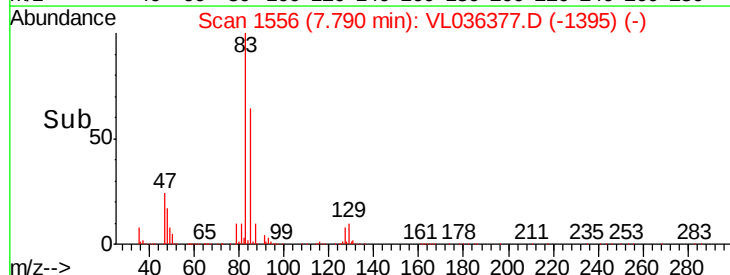
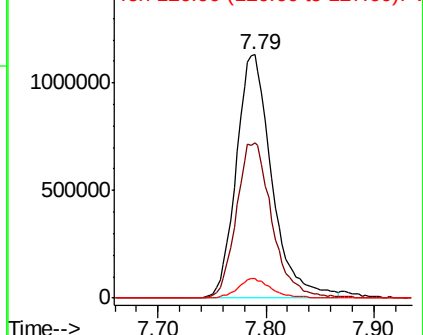
83 100

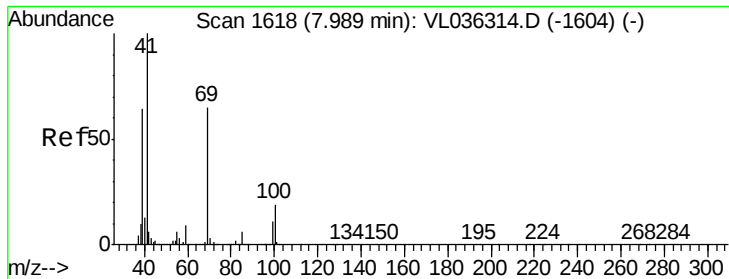
85 63.9 51.1 76.7

127 7.8 6.3 9.5



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

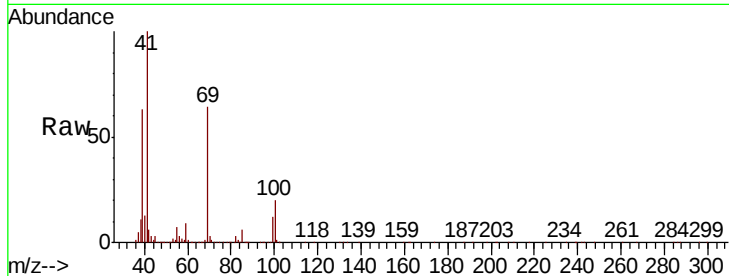




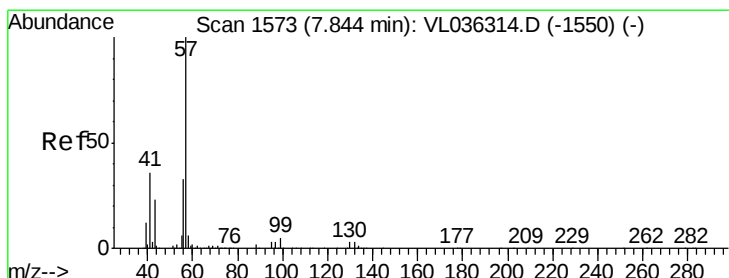
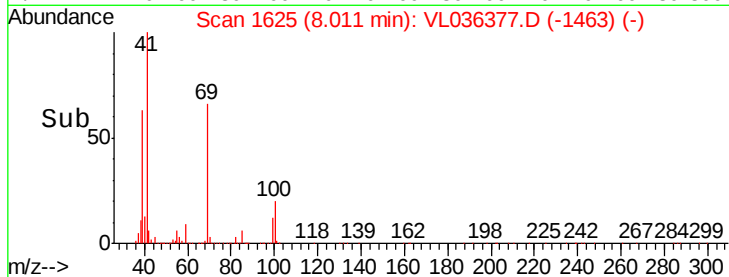
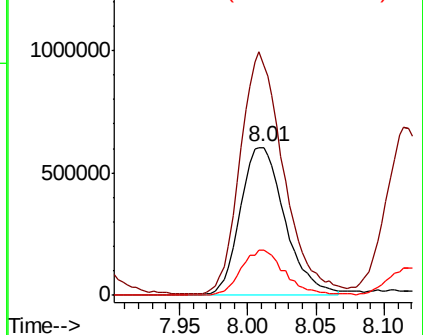
#43
Methvl Methacrylate
Concen: 10.736 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1371684
Ion Ratio Lower Upper
69 100
41 161.2 126.5 189.7
100 30.3 23.1 34.7

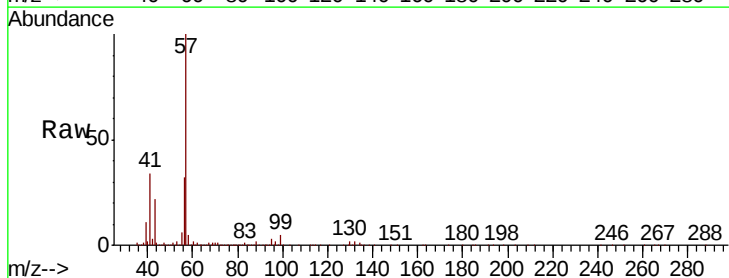


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

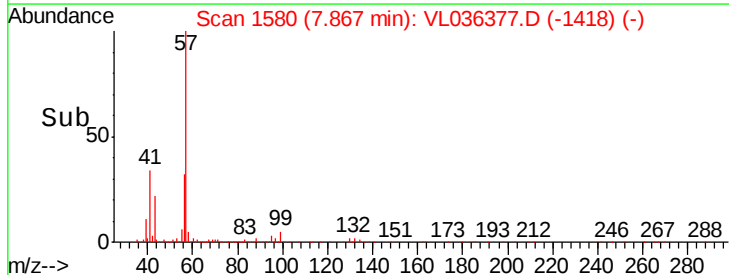
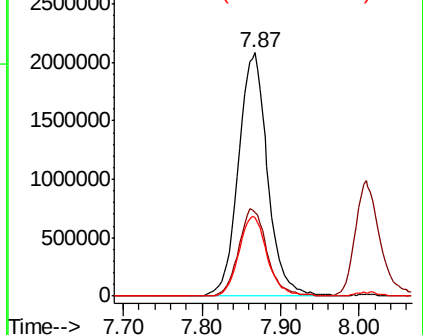


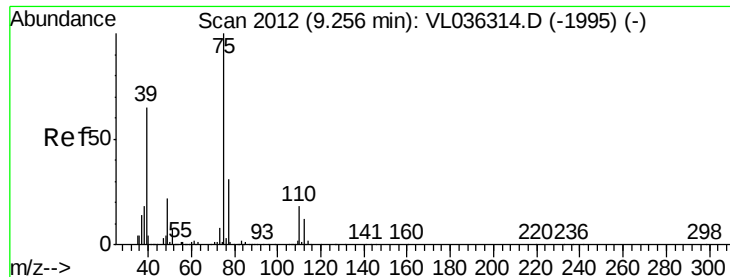
#44
2,2,4-Trimethylpentane
Concen: 9.808 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 57 Resp: 5402890
Ion Ratio Lower Upper
57 100
41 34.8 28.8 43.2
56 31.9 25.8 38.6



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





#45

t-1,3-Dichloropropene

Concen: 12.248 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

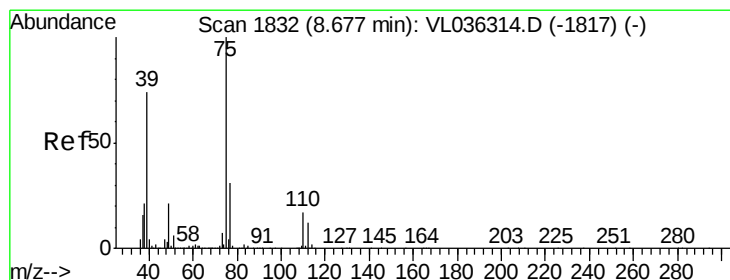
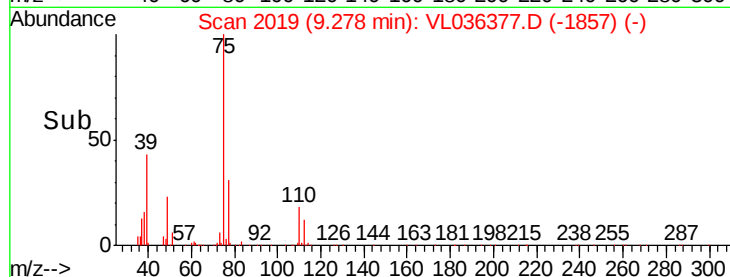
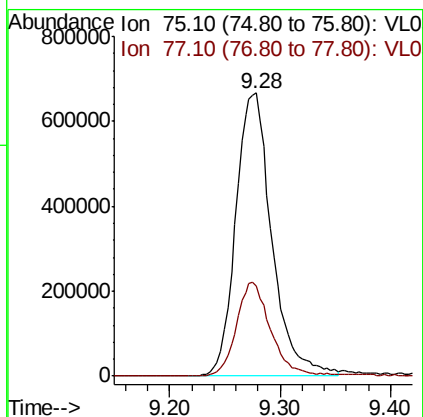
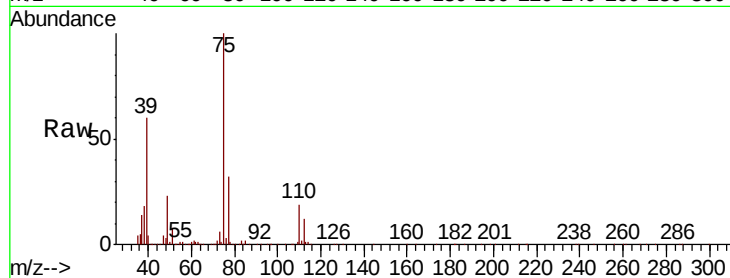
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1509582

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 11.544 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

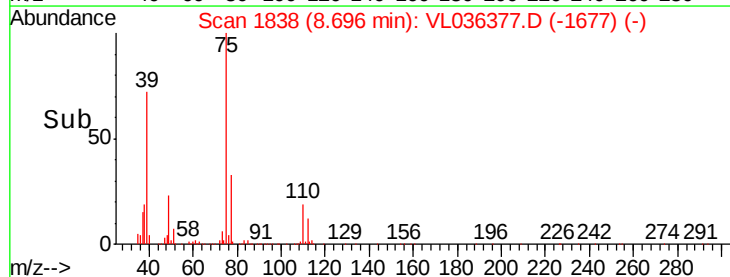
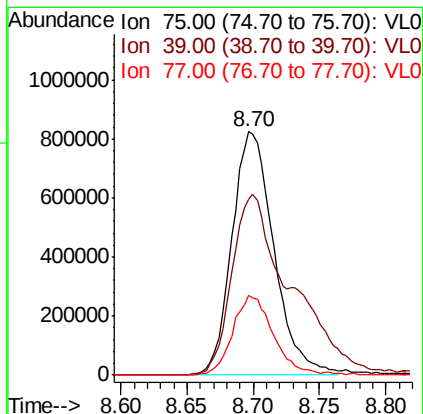
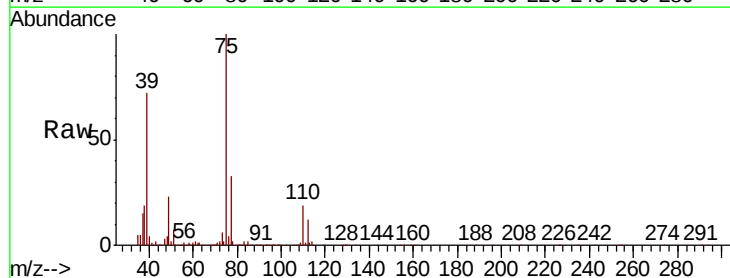
Tgt Ion: 75 Resp: 1807257

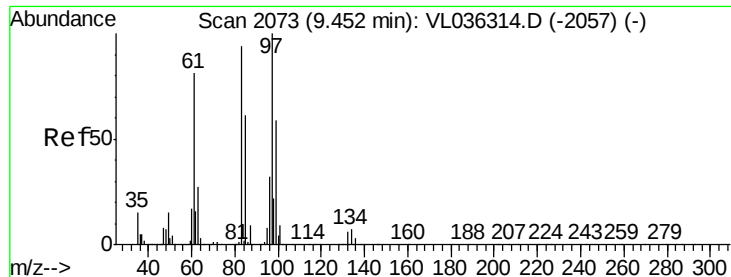
Ion Ratio Lower Upper

75 100

39 72.1 59.2 88.8

77 32.9 25.0 37.6

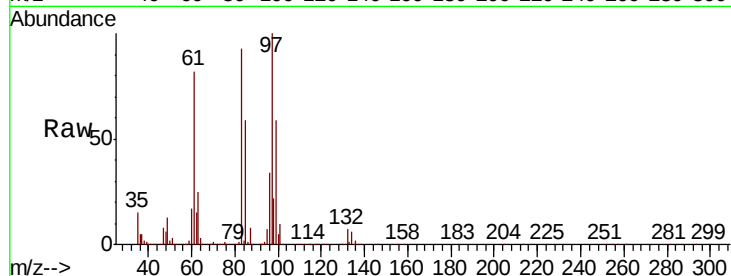




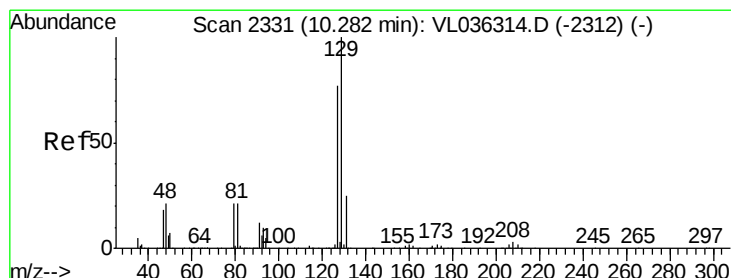
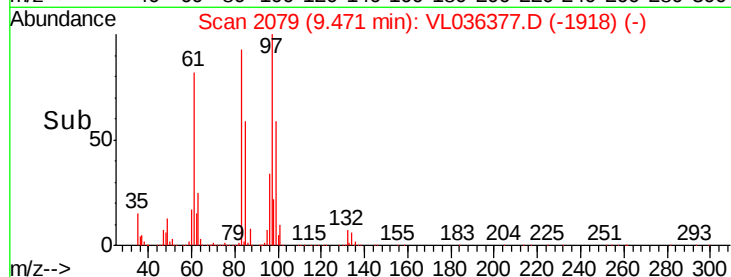
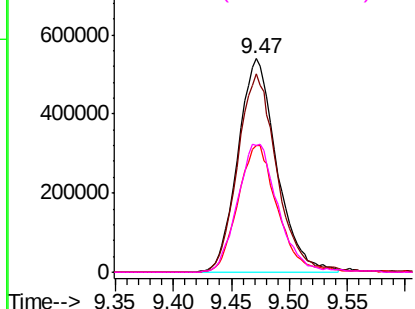
#47
 1,1,2-Trichloroethane
 Concen: 10.007 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1260306
 Ion Ratio Lower Upper
 97 100
 83 92.8 75.4 113.0
 85 59.1 48.9 73.3
 99 59.4 46.9 70.3

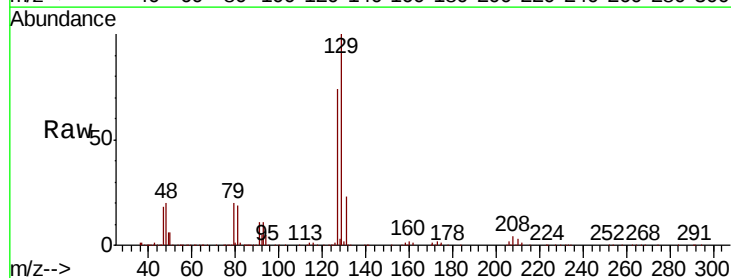


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

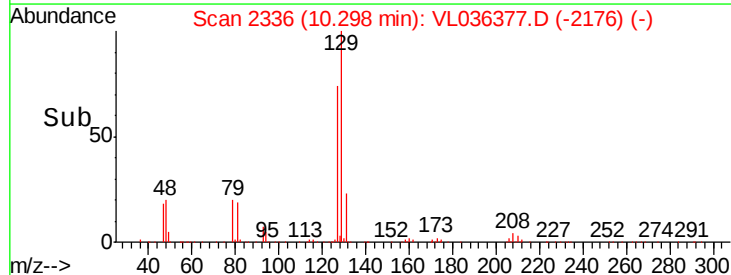
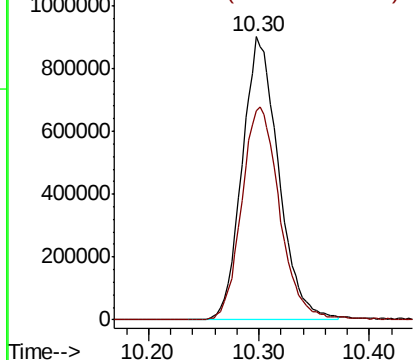


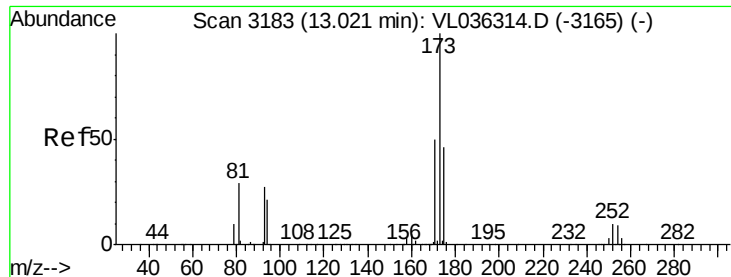
#48
 Dibromochloromethane
 Concen: 10.962 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 129 Resp: 2060115
 Ion Ratio Lower Upper
 129 100
 127 78.8 39.1 117.2



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





#49

Bromoform

Concen: 11.337 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

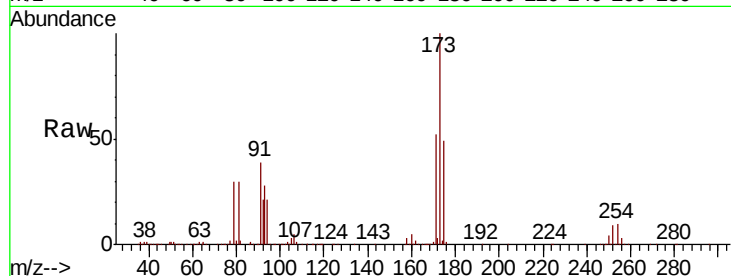
Tot Ion:173 Resp: 1722354

Ion Ratio Lower Upper

173 100

175 50.1 40.2 60.2

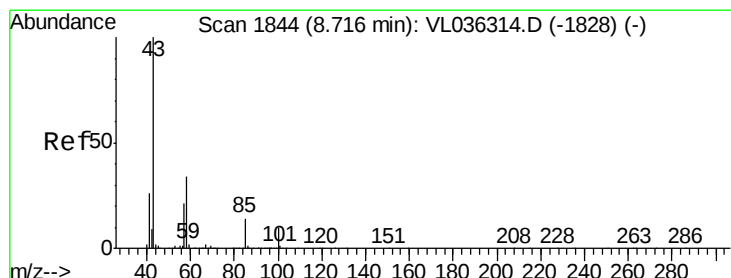
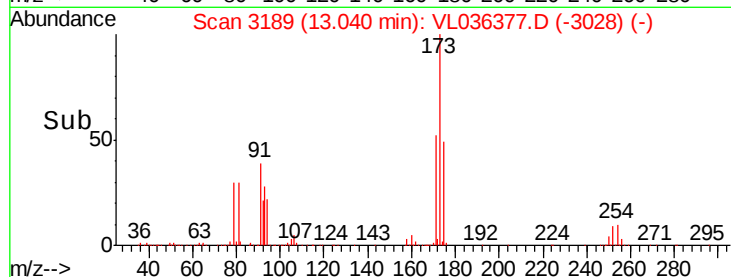
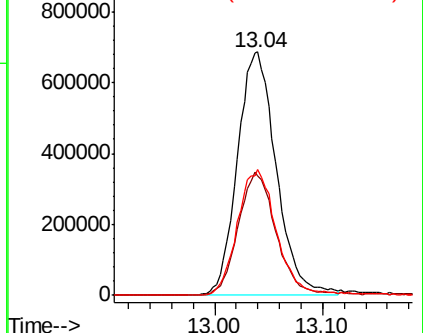
171 52.8 43.4 65.2



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: 10.225 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL036377.D

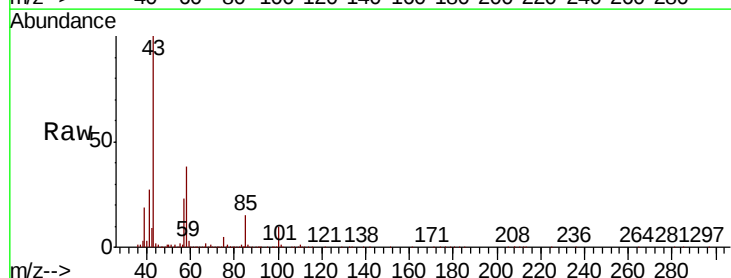
Acq: 25 Feb 2021 10:02

Tgt Ion: 43 Resp: 3596769

Ion Ratio Lower Upper

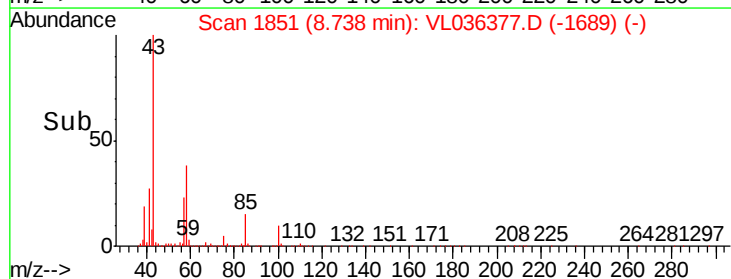
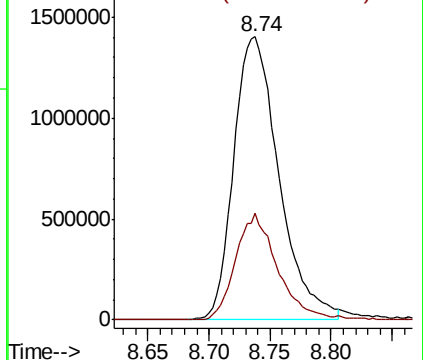
43 100

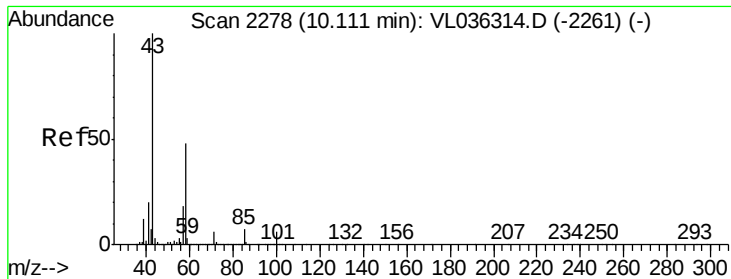
58 35.4 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

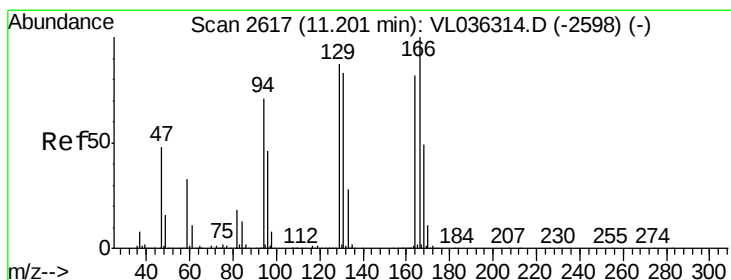
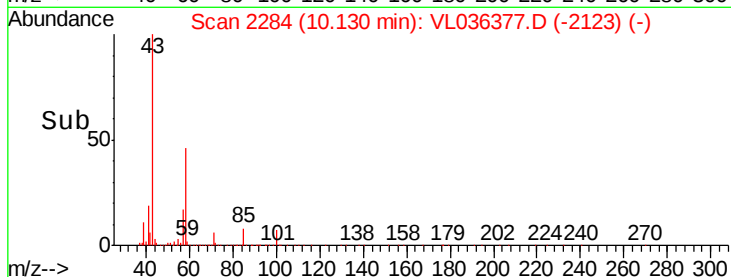
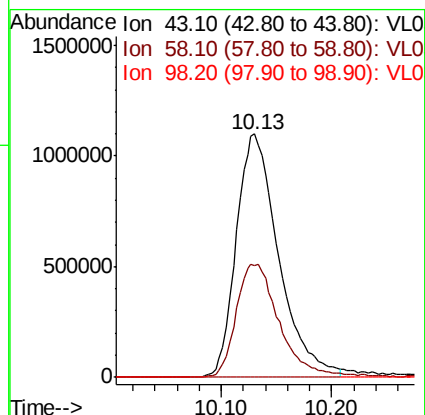
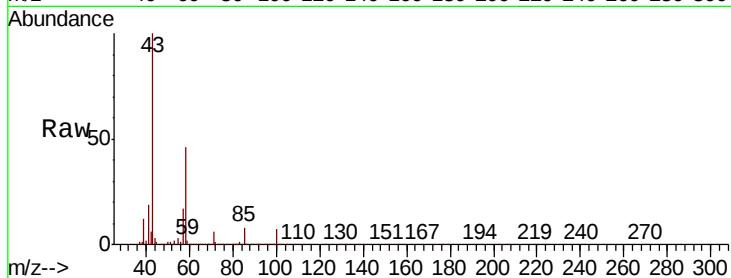




#51
2-Hexanone
Concen: 10.956 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

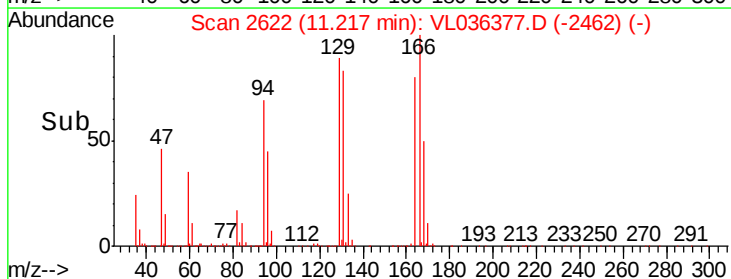
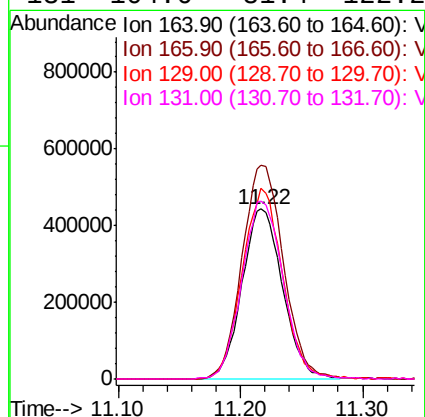
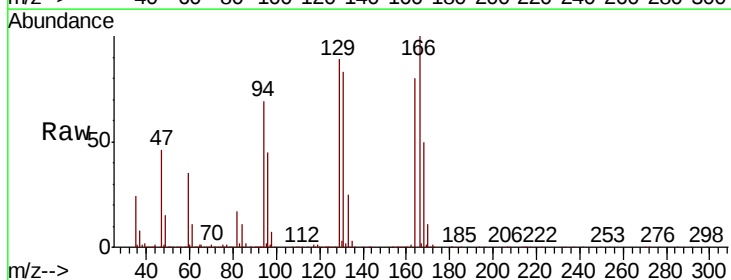
Instrument :
MSVOA_L
ClientSampled :

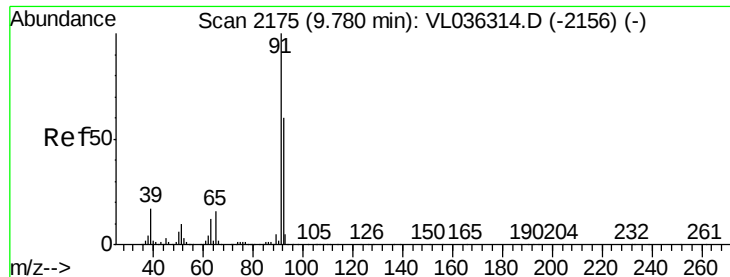
Tot Ion: 43 Resp: 2928292
Ion Ratio Lower Upper
43 100
58 48.2 38.7 58.1
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 9.158 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 164 Resp: 1015646
Ion Ratio Lower Upper
164 100
166 125.6 97.8 146.8
129 112.3 84.9 127.3
131 104.6 81.4 122.2





#53

Toluene

Concen: 10.667 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

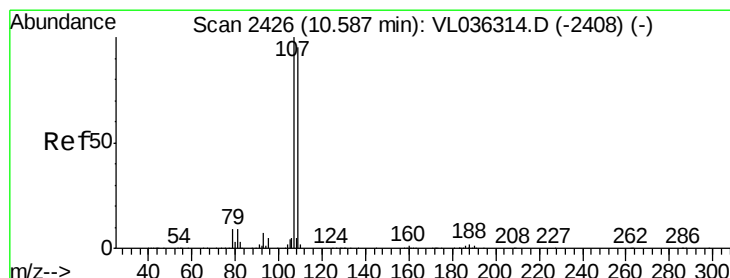
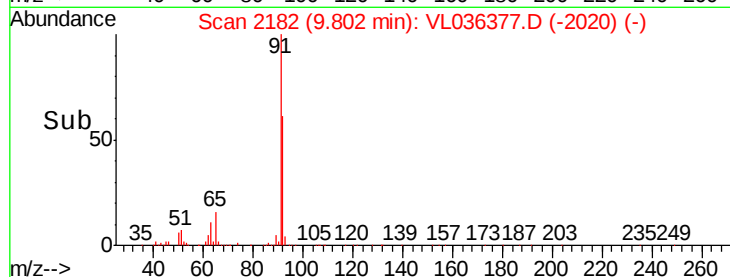
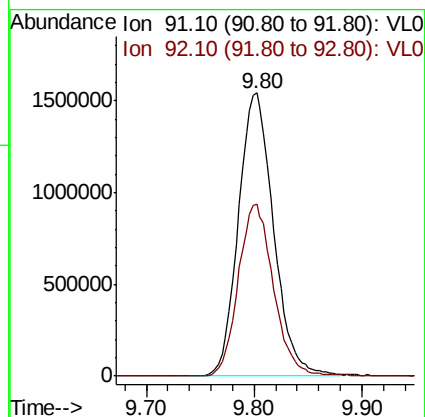
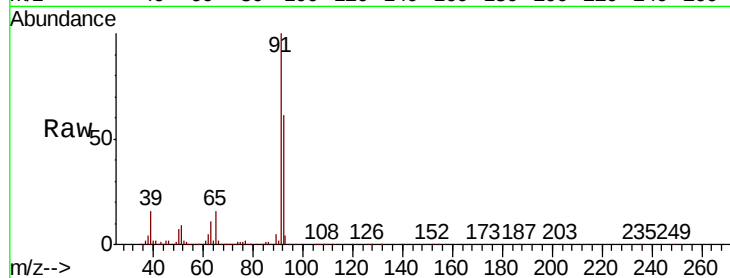
ClientSampleId :

Tot Ion: 91 Resp: 3500339

Ion Ratio Lower Upper

91 100

92 61.1 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.121 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL036377.D

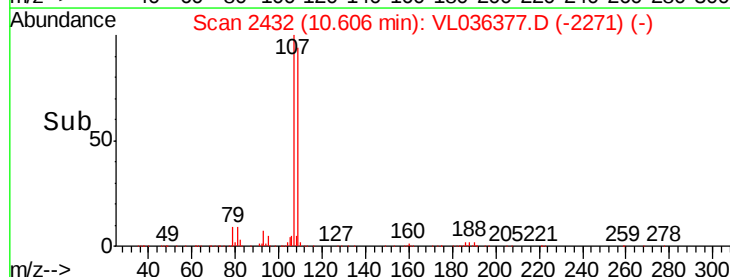
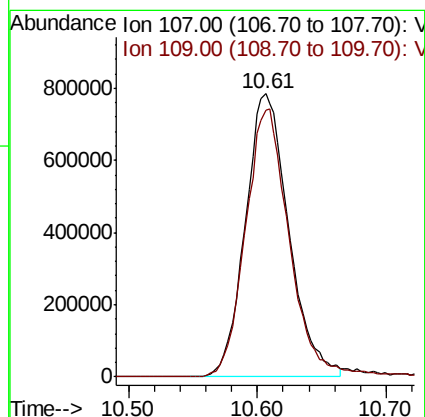
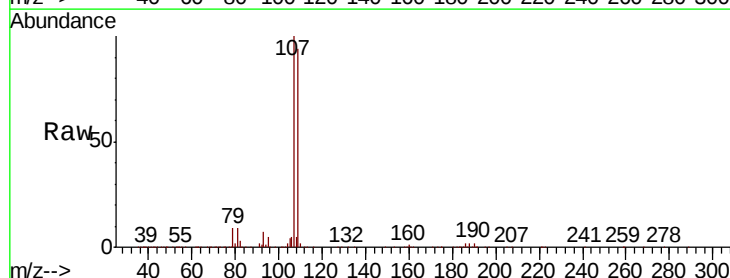
Acq: 25 Feb 2021 10:02

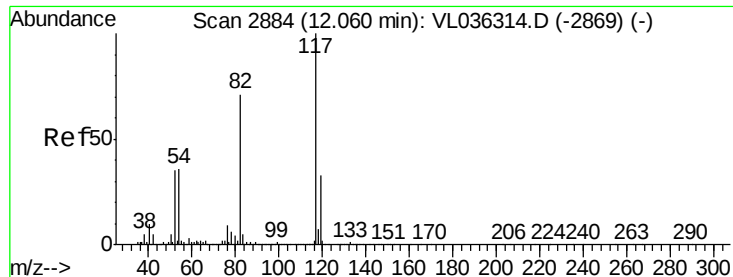
Tgt Ion: 107 Resp: 1841988

Ion Ratio Lower Upper

107 100

109 94.1 76.0 114.0

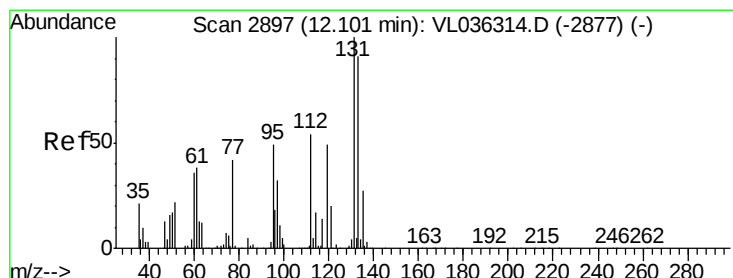
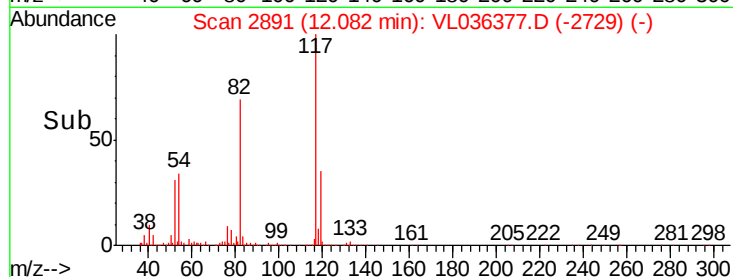
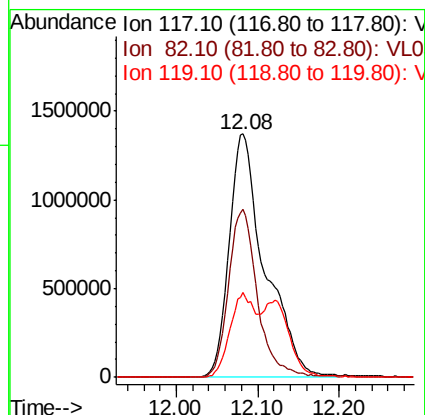
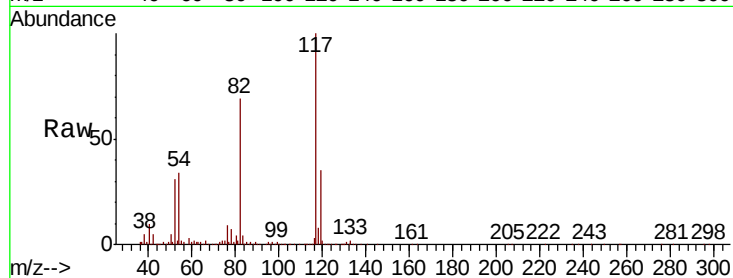




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

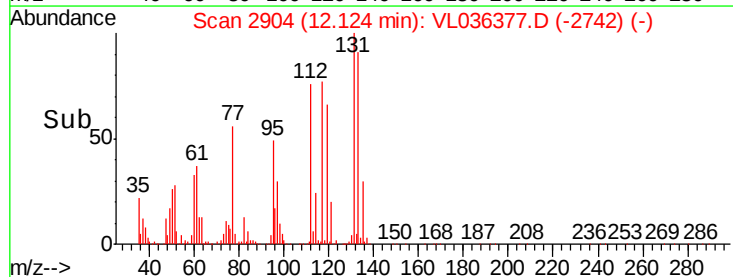
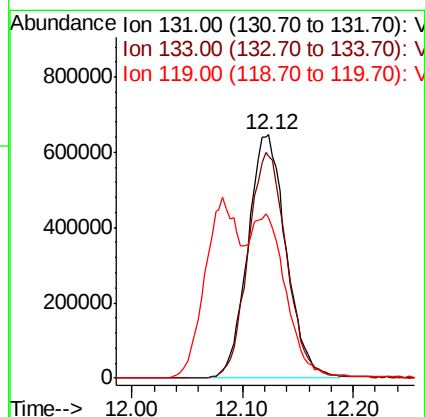
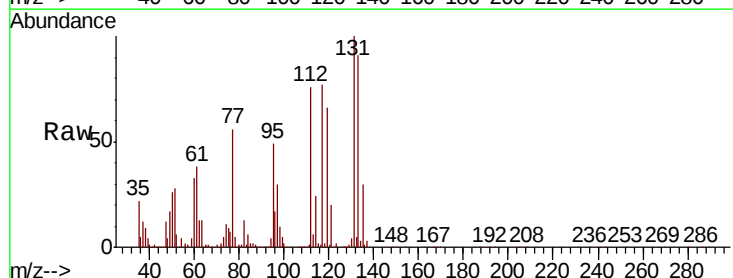
Instrument :
MSVOA_L
ClientSampleId :

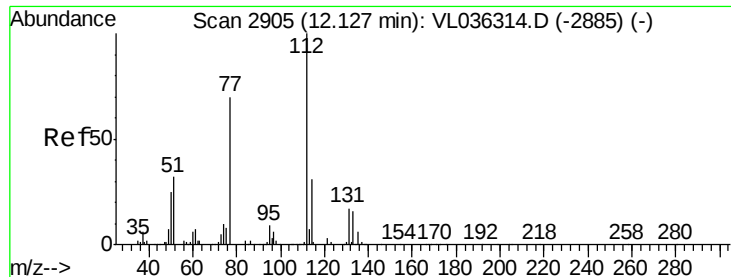
Tot Ion:117 Resp: 4230452
Ion Ratio Lower Upper
117 100
82 56.3 59.1 88.7#
119 23.0 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.973 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion:131 Resp: 1551336
Ion Ratio Lower Upper
131 100
133 94.6 76.0 114.0
119 60.1 115.1 172.7#

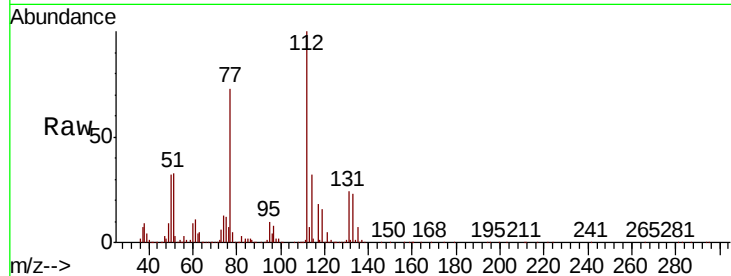




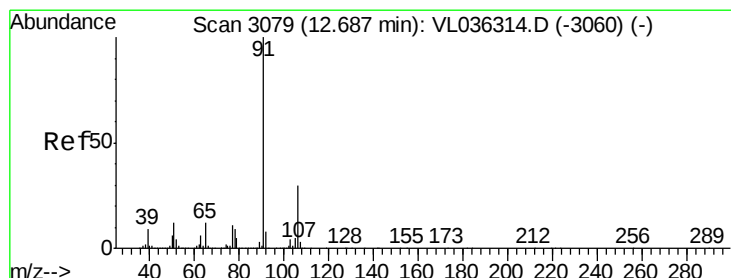
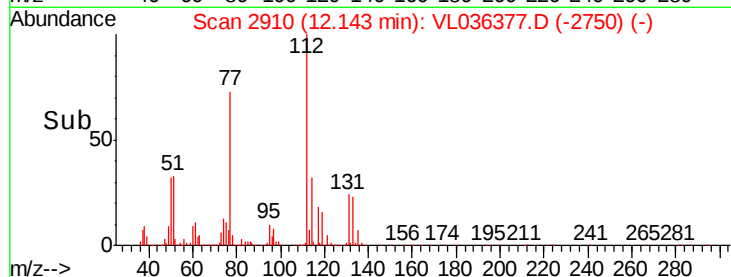
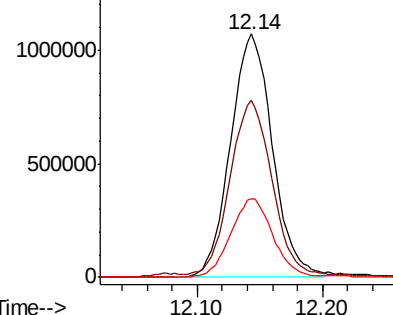
#57
Chlorobenzene
Concen: 7.623 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 2491464
Ion Ratio Lower Upper
112 100
77 71.1 56.1 84.1
114 31.9 28.3 34.5

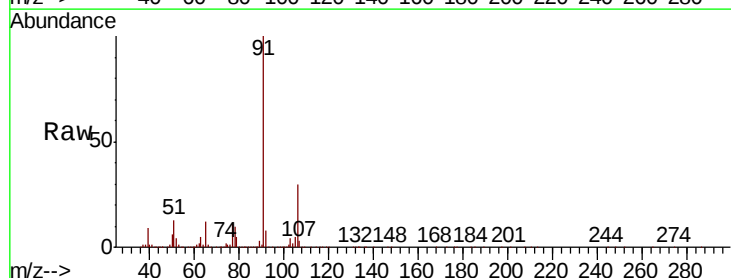


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

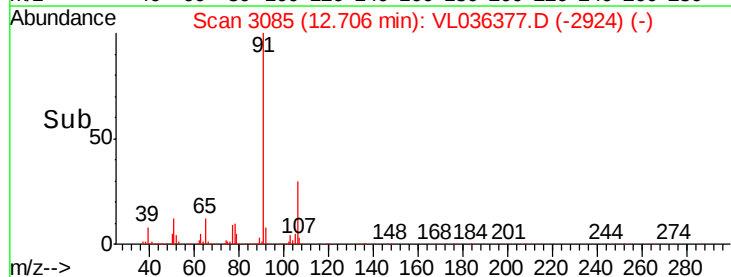
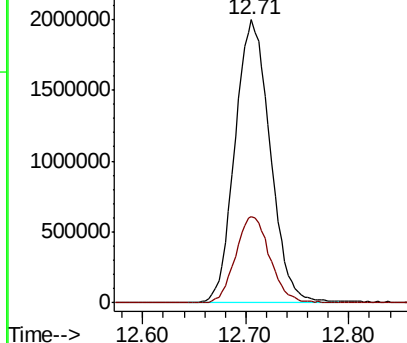


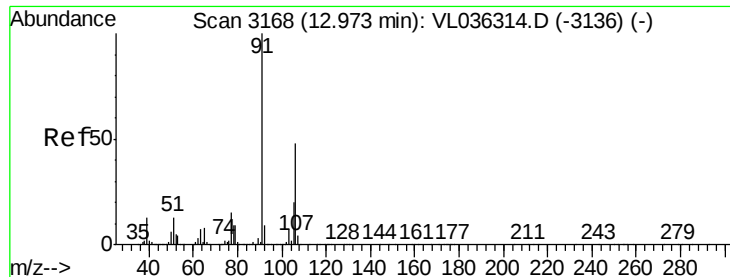
#58
Ethyl Benzene
Concen: 8.188 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 4743207
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6



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

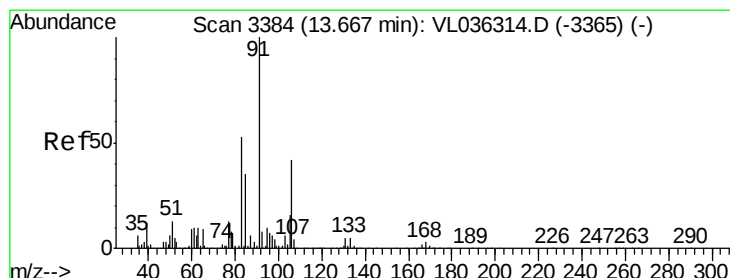
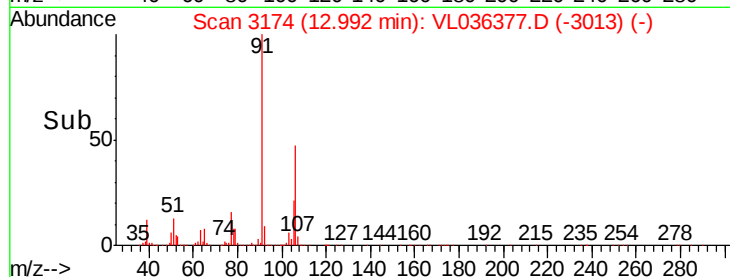
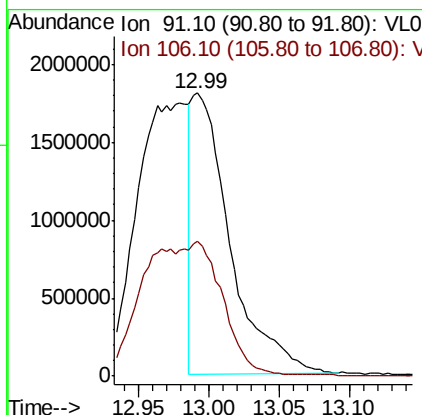
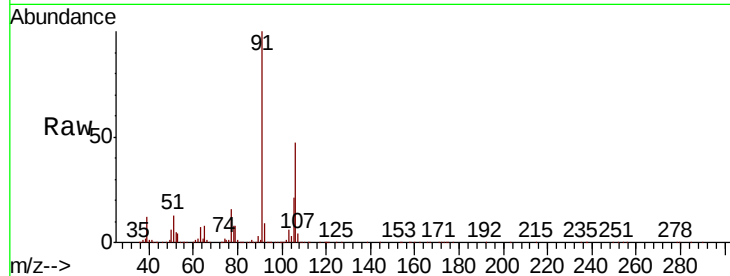




#59
m/p-Xylene
Concen: 6.672 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

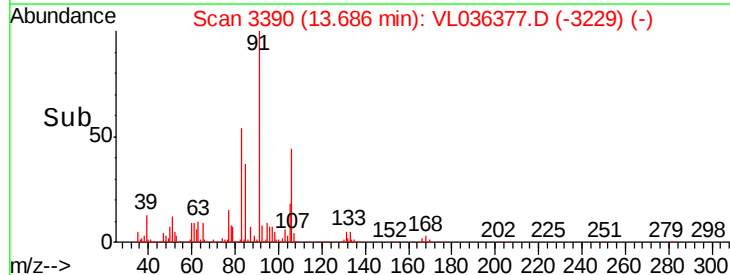
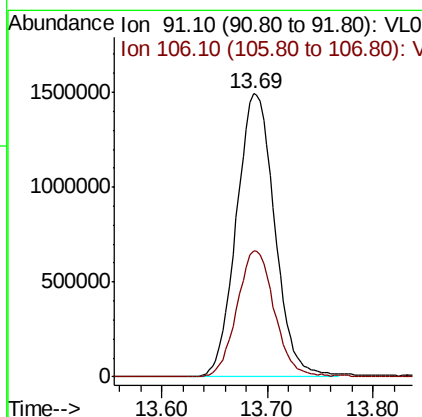
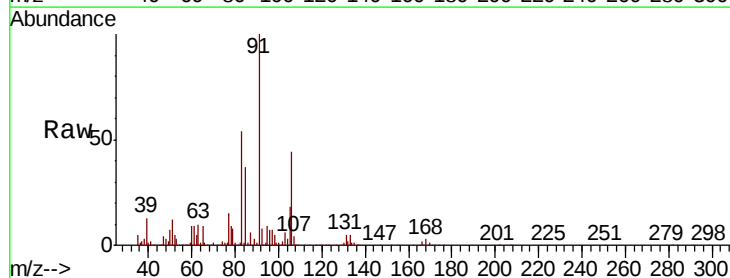
Instrument :
MSVOA_L
ClientSampleId :

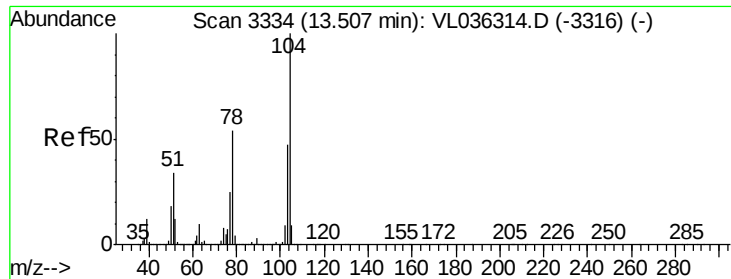
Tot Ion: 91 Resp: 3394691
Ion Ratio Lower Upper
91 100
106 101.5 34.2 51.2#



#60
o-Xylene
Concen: 7.732 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 3761355
Ion Ratio Lower Upper
91 100
106 44.0 22.0 66.0





#61

Stvrene

Concen: 8.962 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampleId :

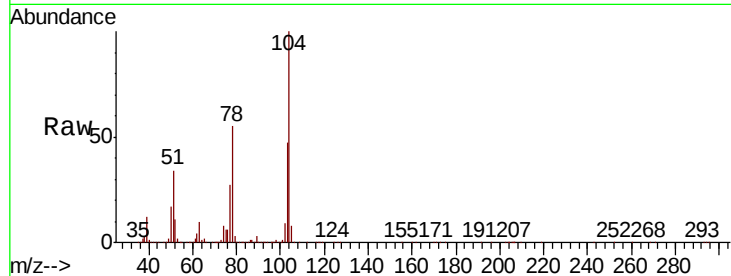
Tot Ion:104 Resp: 2702039

Ion Ratio Lower Upper

104 100

78 55.7 46.2 69.2

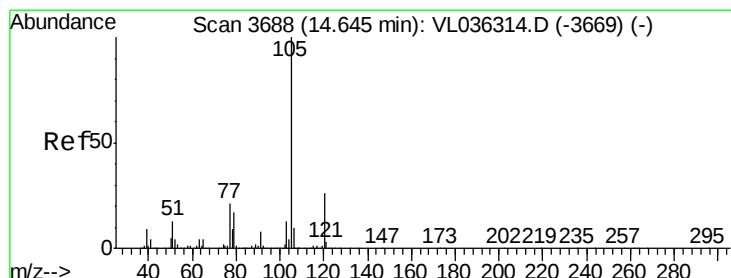
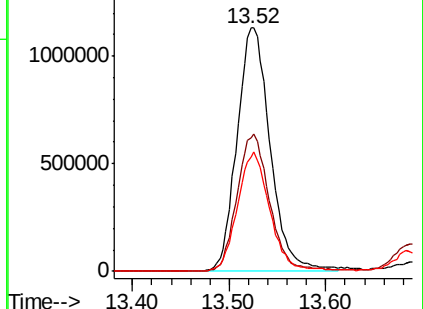
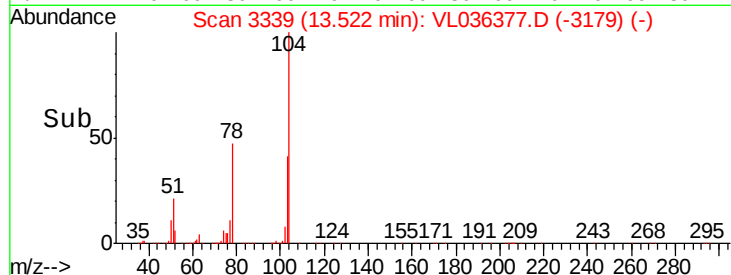
103 48.0 38.3 57.5



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: 7.641 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.02 min

Lab File: VL036377.D

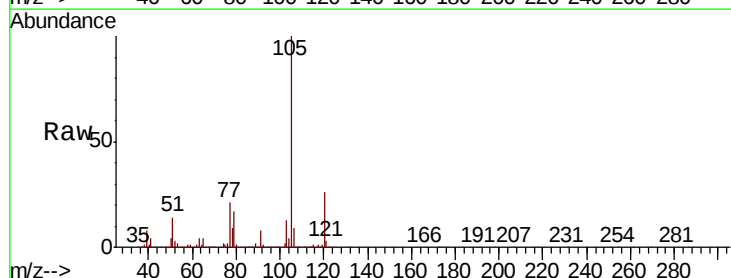
Acq: 25 Feb 2021 10:02

Tgt Ion:105 Resp: 5572324

Ion Ratio Lower Upper

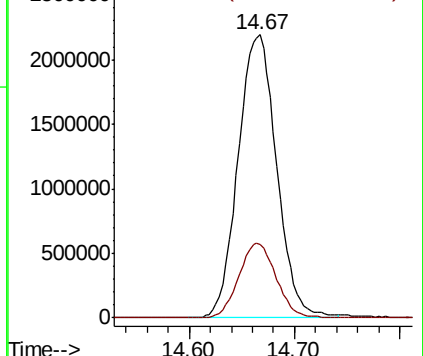
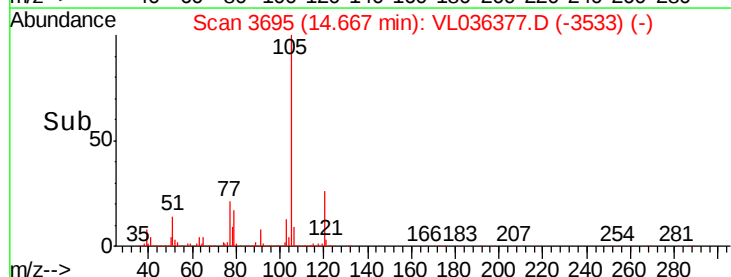
105 100

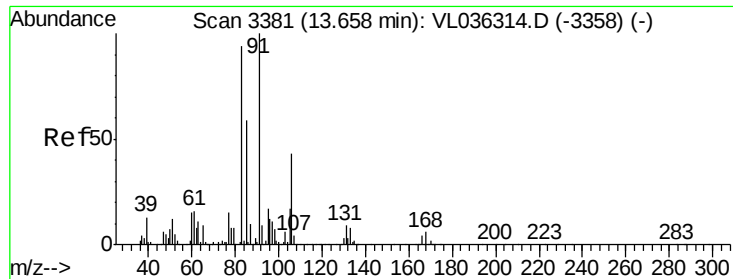
120 25.8 20.6 30.8



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: 7.103 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampled :

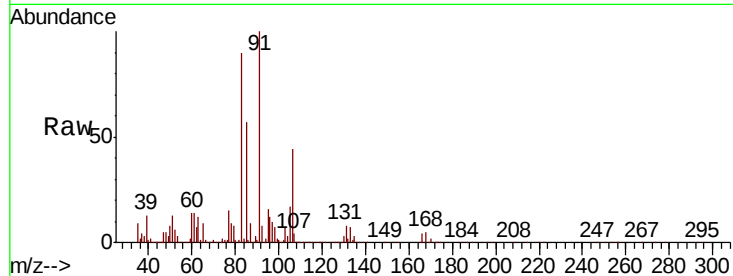
Tot Ion: 83 Resp: 2726734

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.0

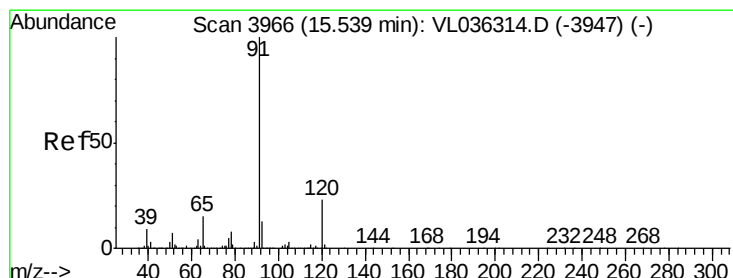
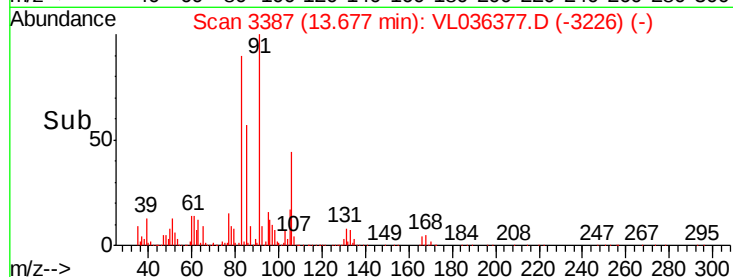
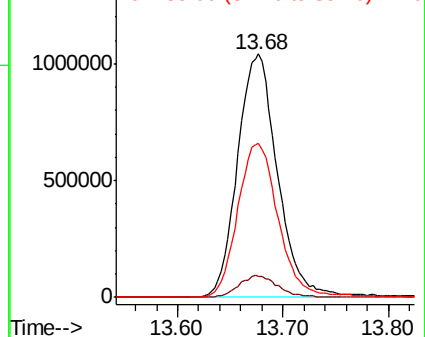
85 64.8 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.119 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.02 min

Lab File: VL036377.D

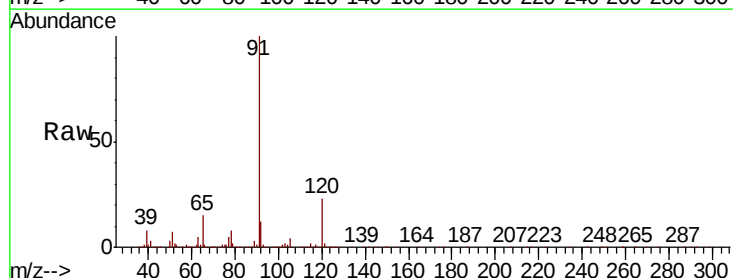
Acq: 25 Feb 2021 10:02

Tgt Ion: 120 Resp: 1457177

Ion Ratio Lower Upper

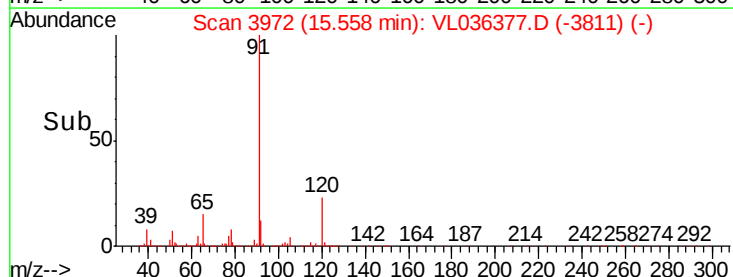
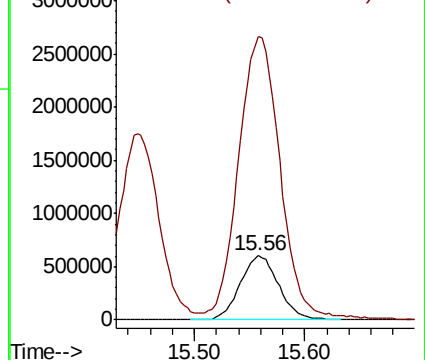
120 100

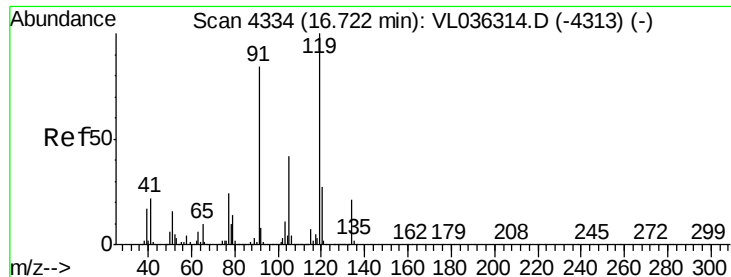
91 479.7 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

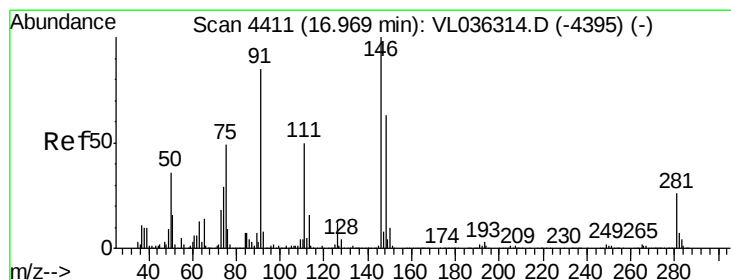
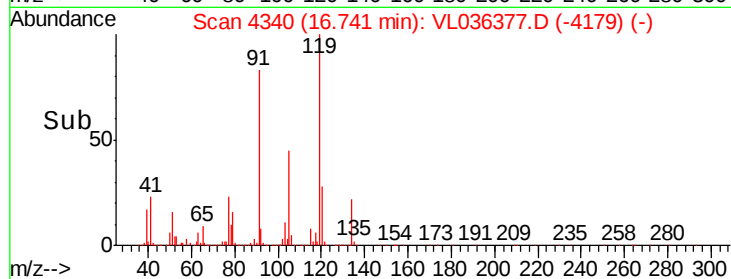
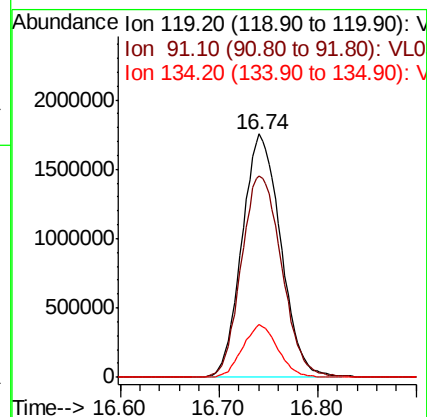
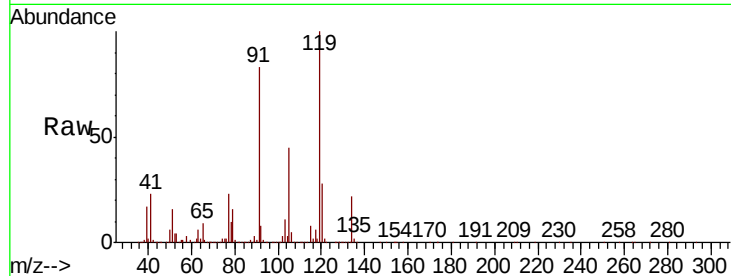




#65
tert-Butylbenzene
Concen: 7.655 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

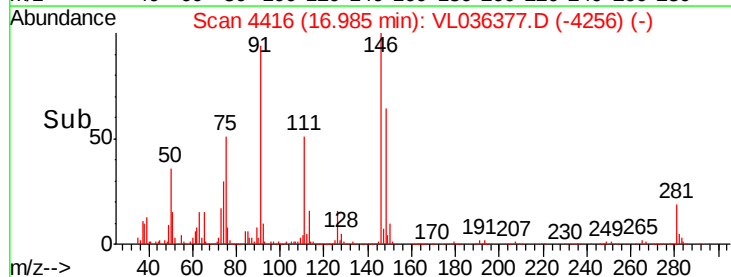
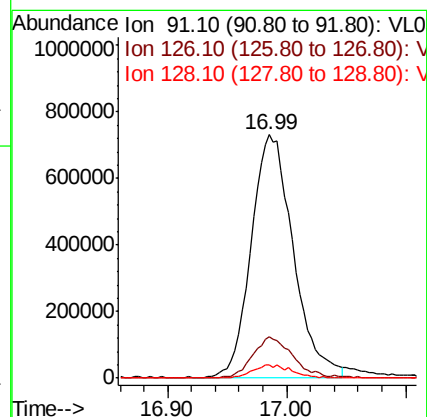
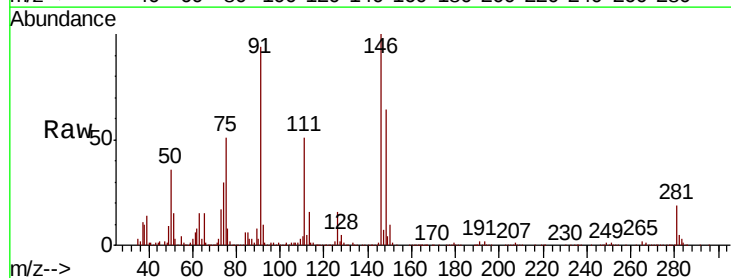
Instrument :
MSVOA_L
ClientSampleId :

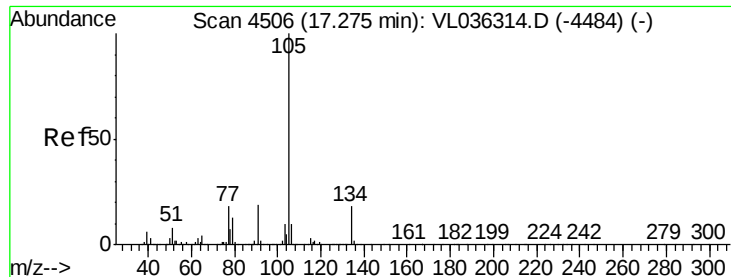
Tot Ion:119 Resp: 4776265
Ion Ratio Lower Upper
119 100
91 86.3 70.5 105.7
134 19.8 15.8 23.8



#66
Benzyl Chloride
Concen: 10.492 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL036377.D
Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 1779628
Ion Ratio Lower Upper
91 100
126 16.6 12.9 19.3
128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.582 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

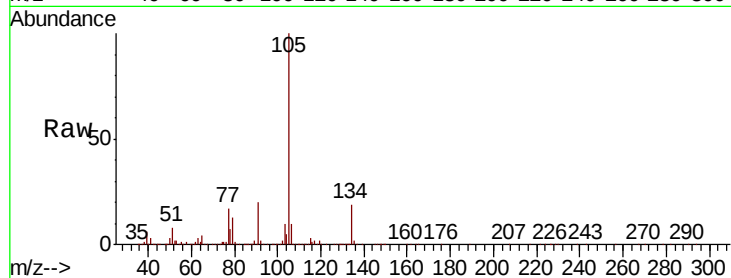
ClientSampleId :

Tot Ion:105 Resp: 6822558

Ion Ratio Lower Upper

105 100

134 18.2 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

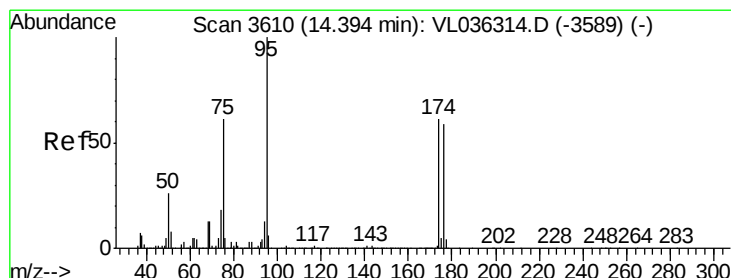
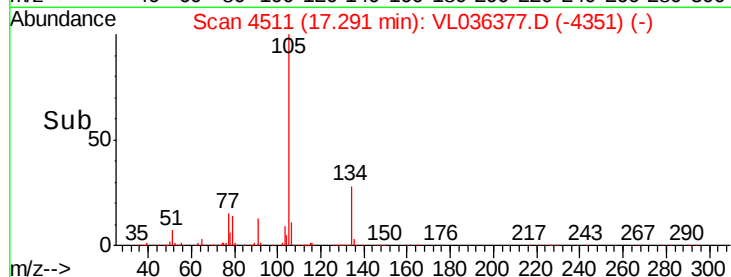
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.088 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

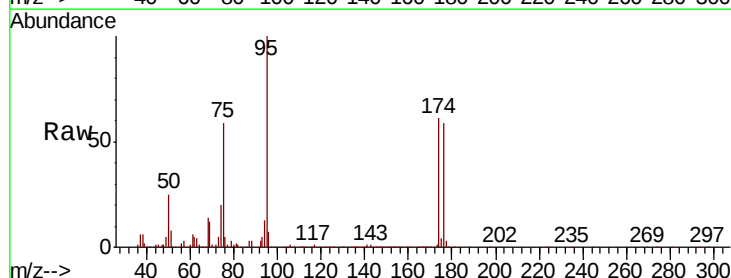
Tgt Ion: 95 Resp: 2815015

Ion Ratio Lower Upper

95 100

174 62.4 49.8 74.6

175 4.5 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

1500000 Ion 174.00 (173.70 to 174.70): V

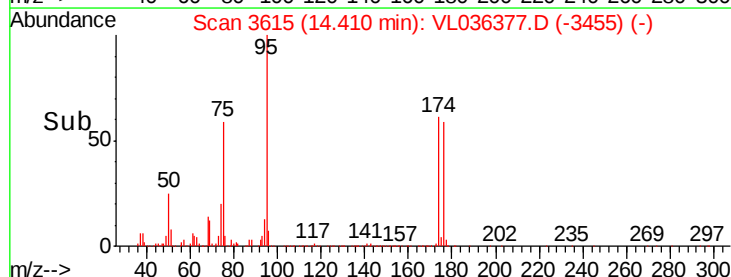
1000000 Ion 175.00 (174.70 to 175.70): V

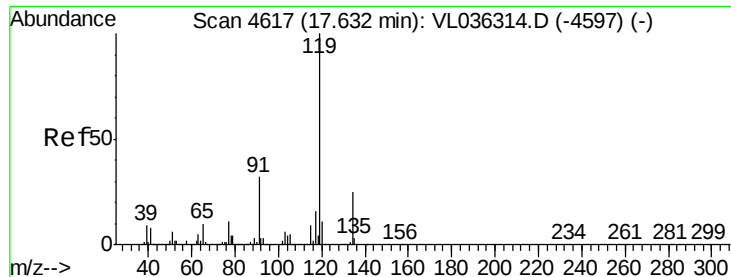
500000

0

14.30 14.40 14.50

Time-->



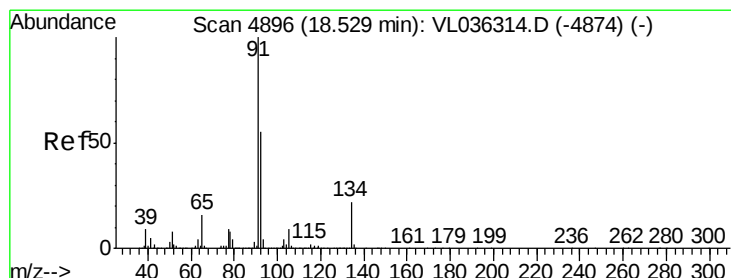
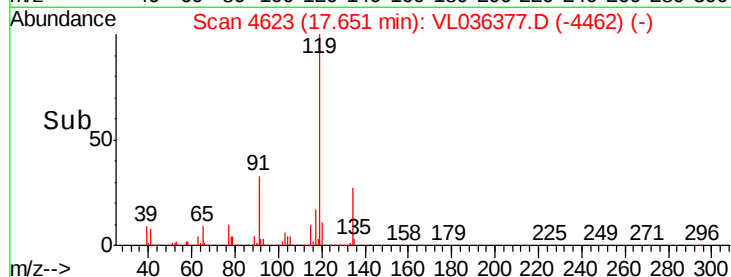
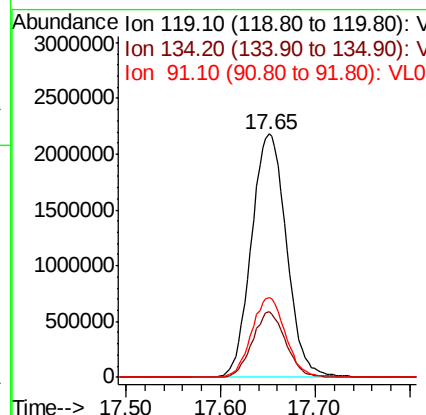
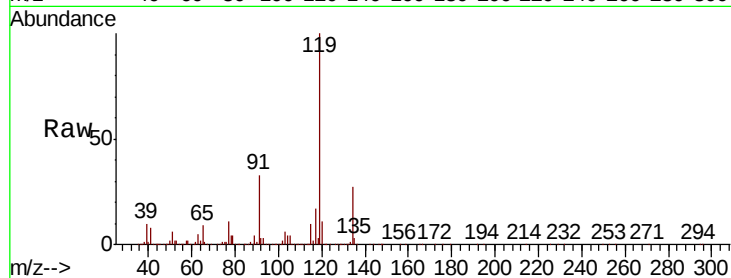


#69
 p-Isopropyltoluene
 Concen: 8.053 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 119 Resp: 5600007

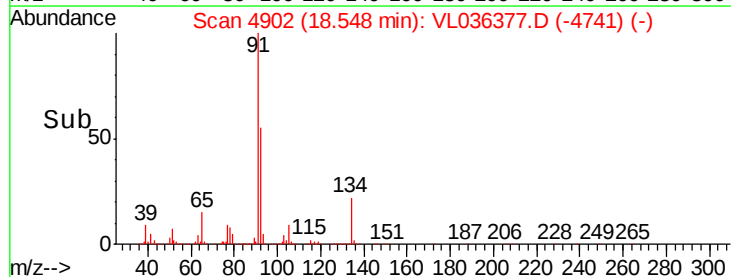
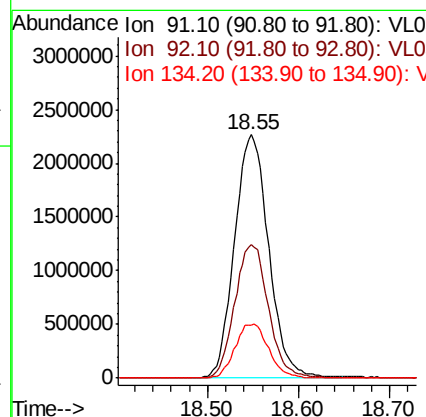
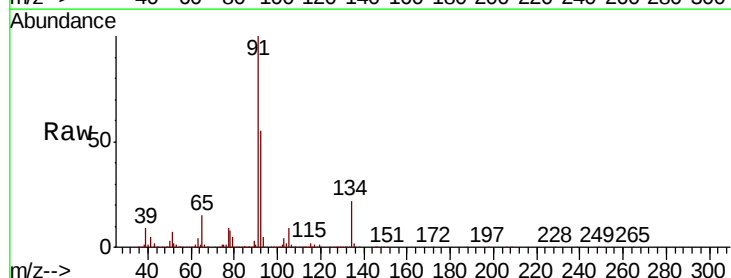
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.1	30.1
91	31.7	25.8	38.6

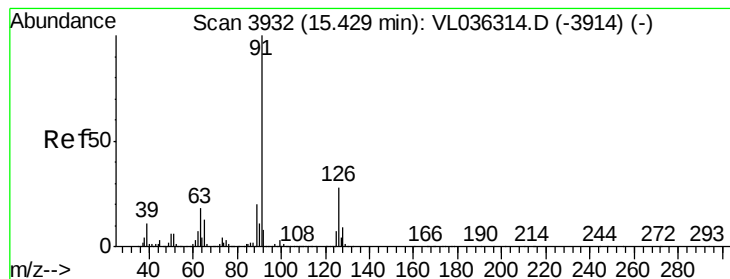


#70
 n-Butylbenzene
 Concen: 7.915 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion: 91 Resp: 5902655

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.7	65.5
134	22.0	17.4	26.0





#71

2-Chlorotoluene

Concen: 7.859 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

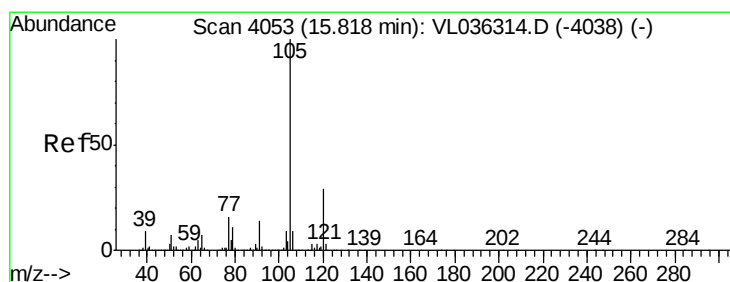
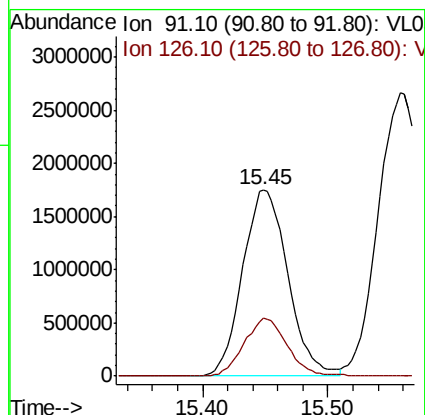
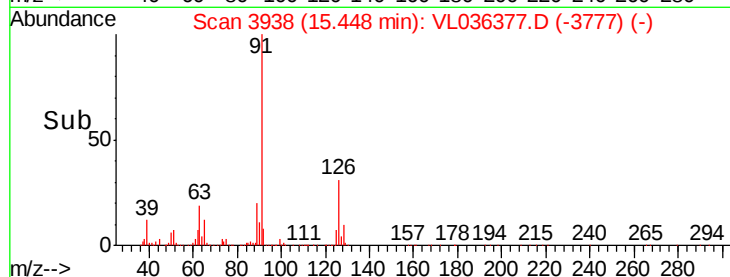
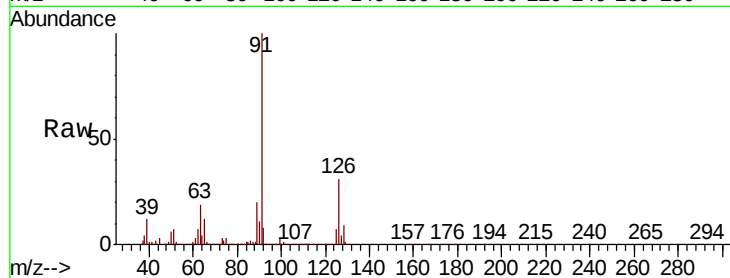
ClientSampleId :

Tot Ion: 91 Resp: 4393327

Ion Ratio Lower Upper

91 100

126 30.2 11.5 46.1



#72

4-Ethyltoluene

Concen: 8.004 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion:105 Resp: 4333507

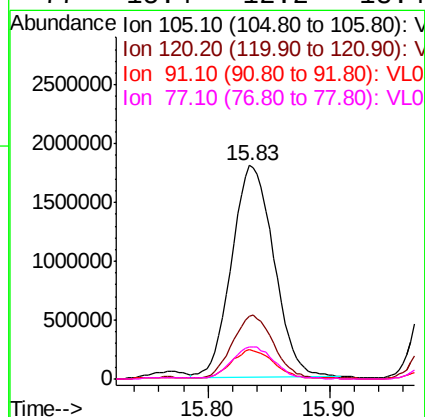
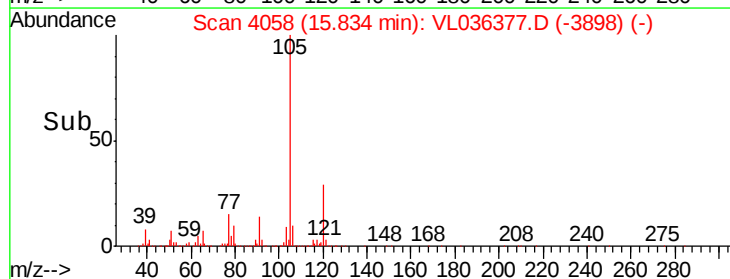
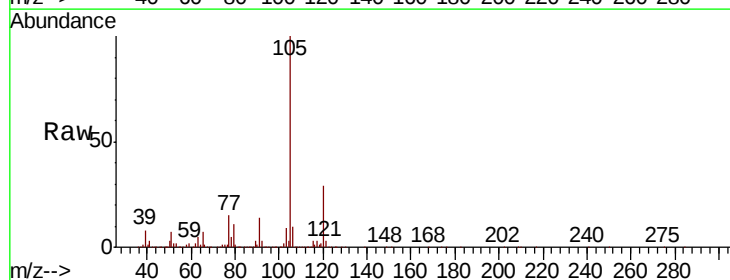
Ion Ratio Lower Upper

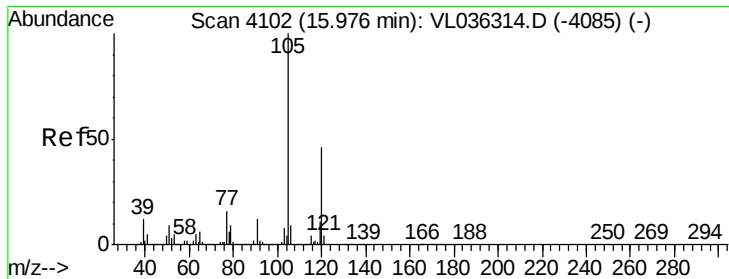
105 100

120 29.8 23.2 34.8

91 13.6 11.0 16.4

77 15.4 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 7.724 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

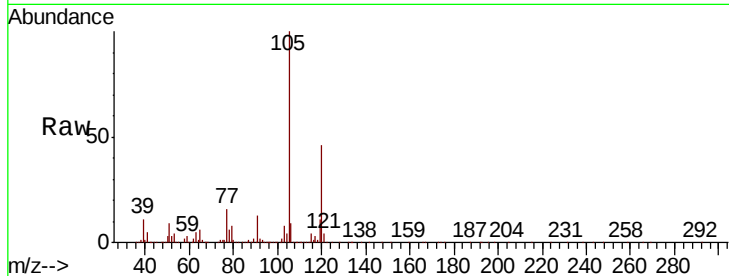
ClientSampleId :

Tot Ion:105 Resp: 4053789

Ion Ratio Lower Upper

105 100

120 45.5 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

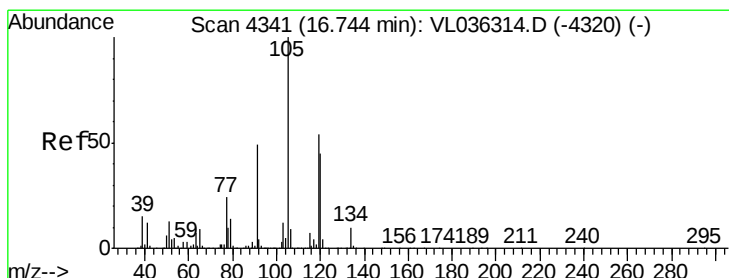
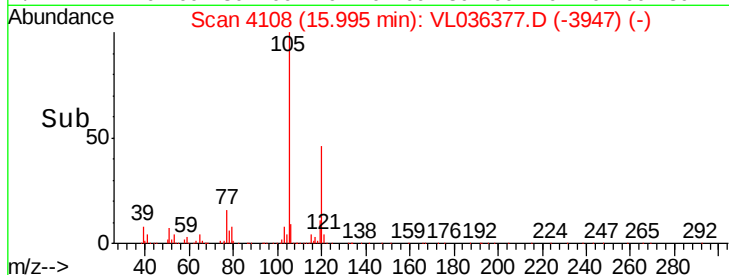
500000

0

15.90

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.728 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion:105 Resp: 4140925

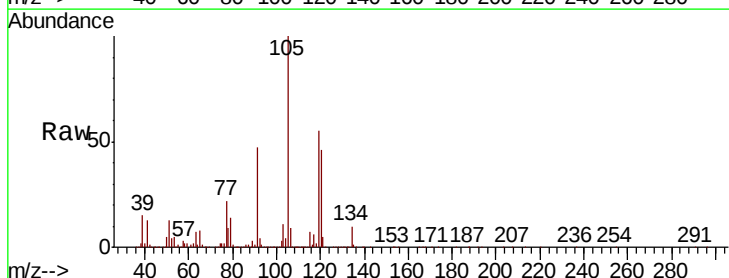
Ion Ratio Lower Upper

105 100

120 46.0 35.8 53.6

91 46.3 39.8 59.6

77 22.0 19.1 28.7



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

2500000

2000000

1500000

1000000

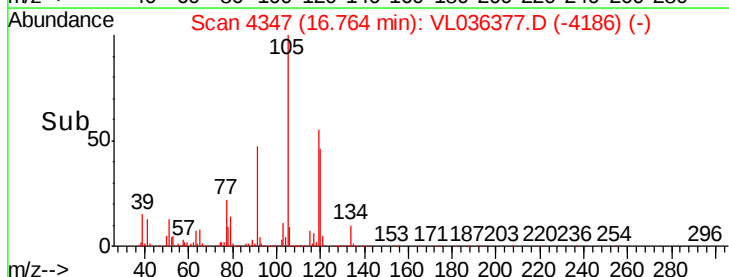
500000

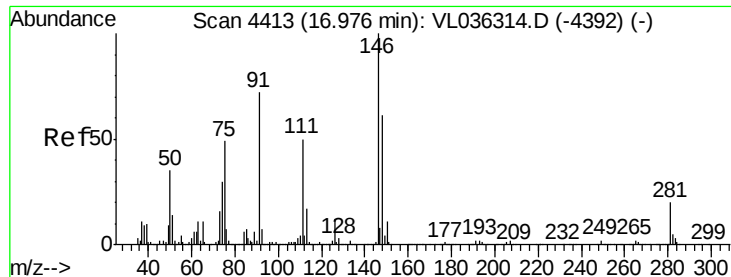
0

16.70

16.76

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.856 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Instrument :

MSVOA_L

ClientSampled :

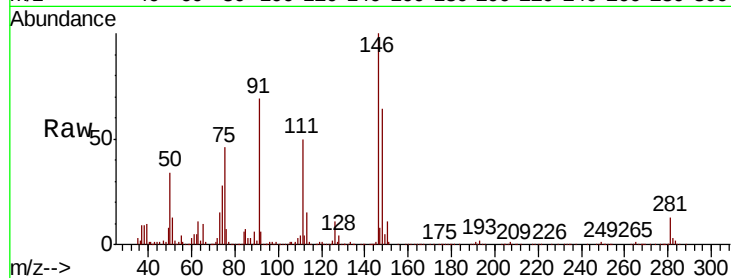
Tot Ion:146 Resp: 2284837

Ion Ratio Lower Upper

146 100

111 49.7 24.9 74.6

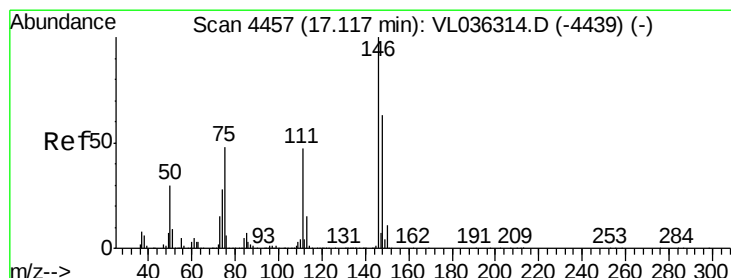
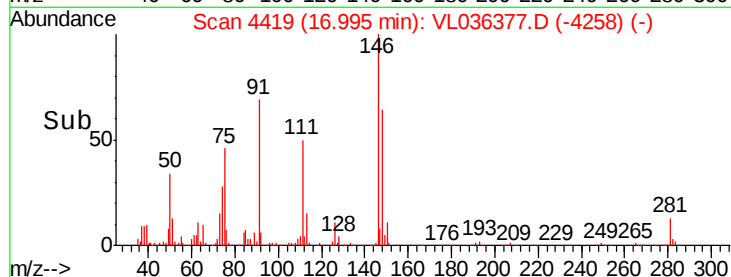
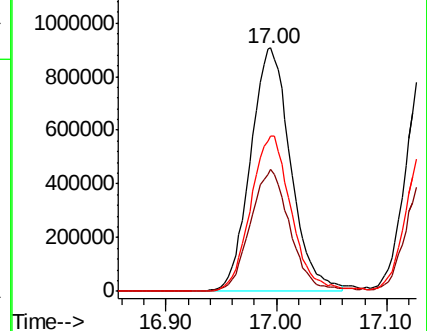
148 64.8 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.365 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

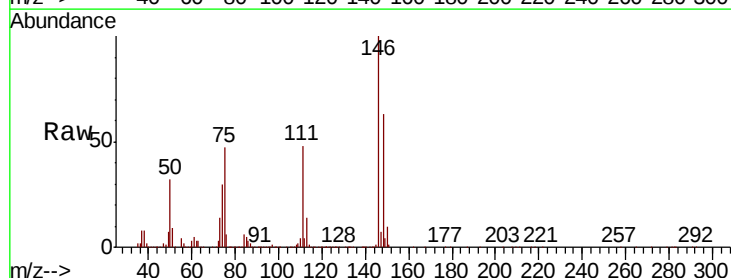
Tgt Ion:146 Resp: 2224217

Ion Ratio Lower Upper

146 100

111 50.4 23.6 71.0

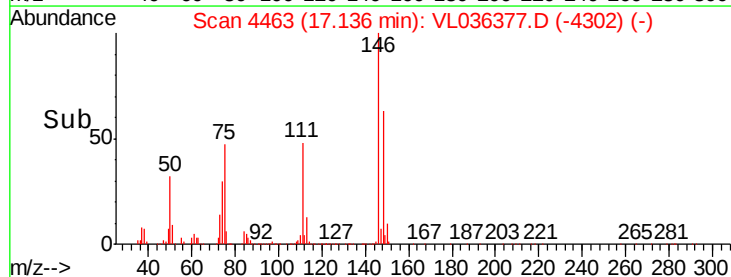
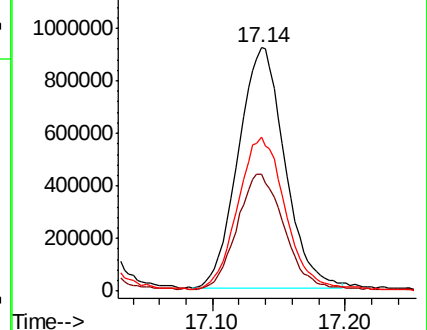
148 66.1 31.6 95.0

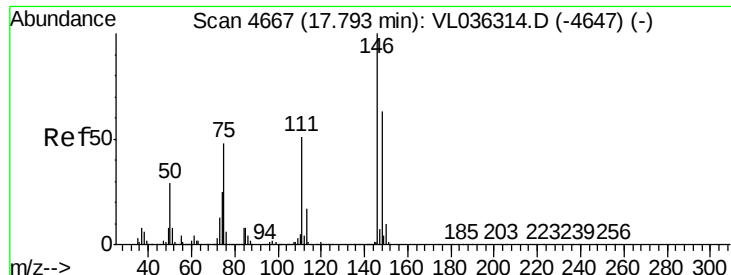


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

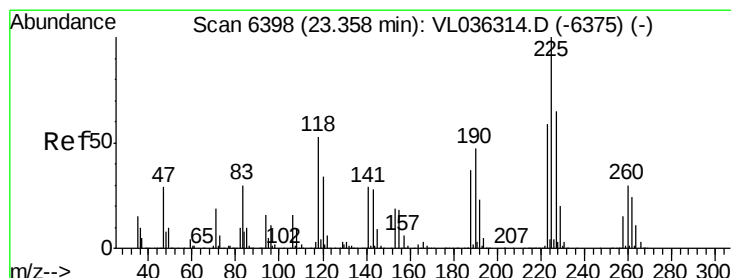
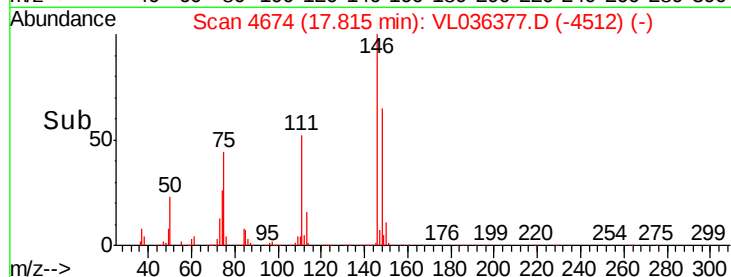
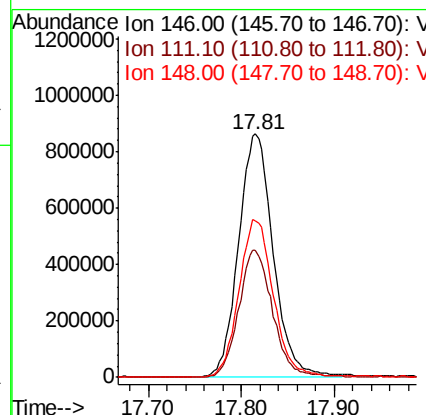
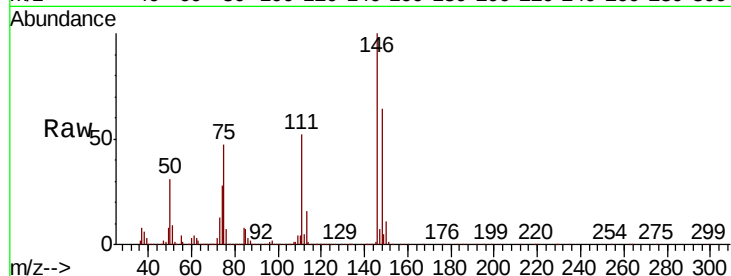




#77
 1,2-Dichlorobenzene
 Concen: 7.757 ppbv
 RT: 17.81 min Scan# 4674
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

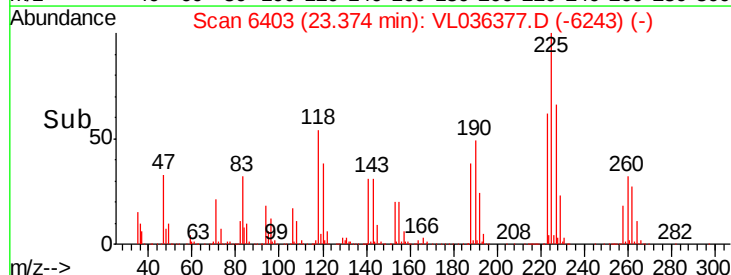
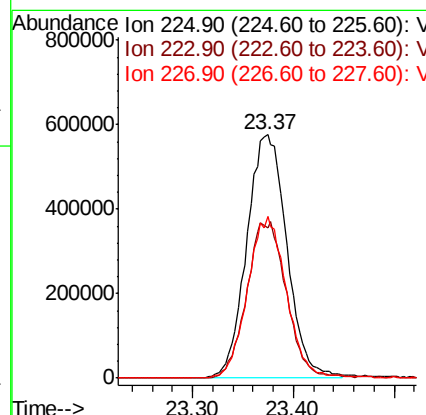
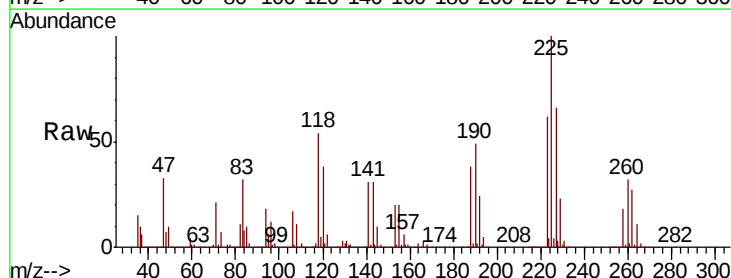
Instrument :
 MSVOA_L
 ClientSampleId :

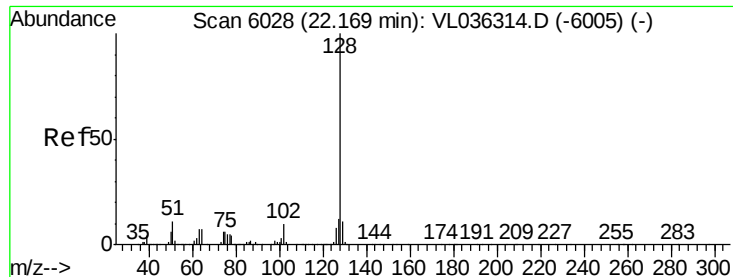
Tot Ion:146 Resp: 2237898
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.9 77.8
 148 64.3 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.739 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Tgt Ion:225 Resp: 1588463
 Ion Ratio Lower Upper
 225 100
 223 64.2 50.8 76.2
 227 64.5 52.2 78.2





#79

Naphthalene

Concen: 9.452 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

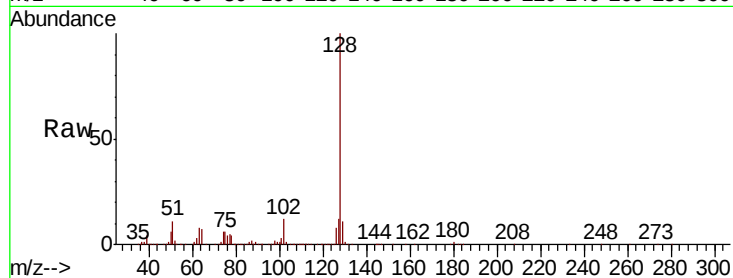
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3001892

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.6	14.4
129	11.3	8.5	12.7

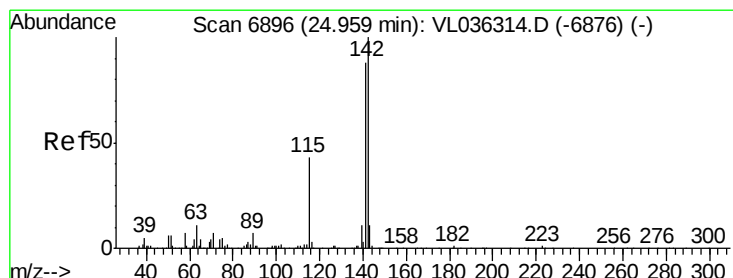
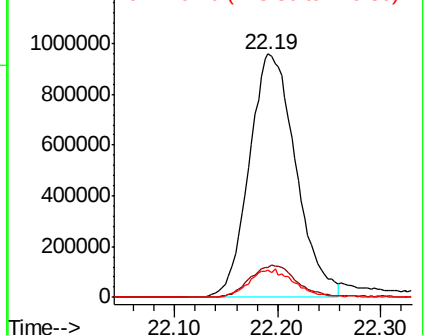
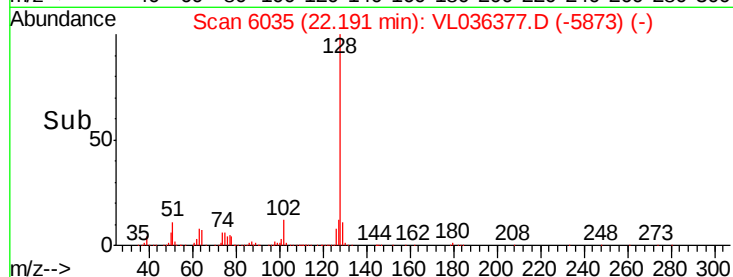


Abundance

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: 14.252 ppbv

RT: 24.98 min Scan# 6901

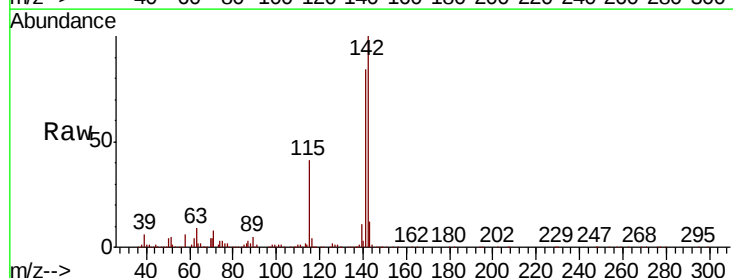
Delta R.T. 0.02 min

Lab File: VL036377.D

Acq: 25 Feb 2021 10:02

Tgt Ion:142 Resp: 838130

Ion	Ratio	Lower	Upper
142	100		
141	84.9	64.4	96.6
115	40.9	34.6	51.8

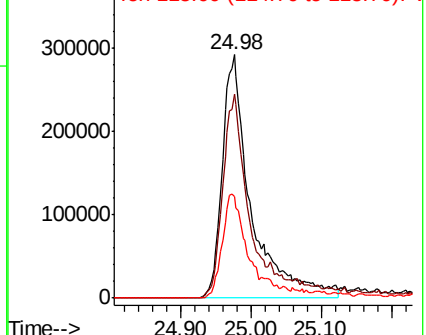
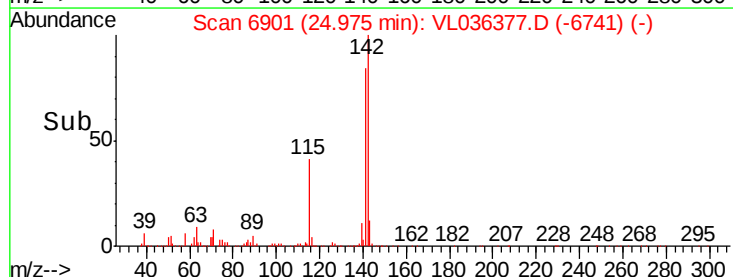


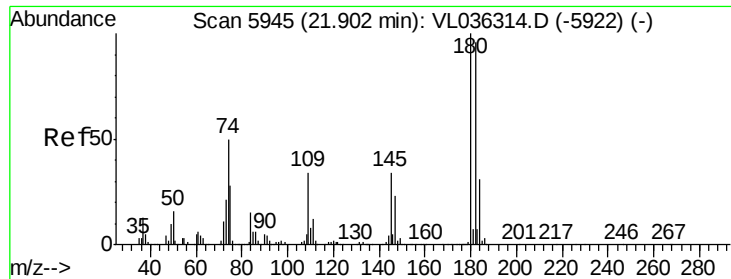
Abundance

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: 3.832 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. 0.03 min
 Lab File: VL036377.D
 Acq: 25 Feb 2021 10:02

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	218.1	80.2	120.4#
184	67.7	25.0	37.6#

