

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035121.D
 Acq On : 30 Jun 2020 9:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 02:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1319016	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3097176	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3727714	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2521529	8.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1360498	7.638	ppbv	97
3) Chlorodifluoromethane	2.94	51	1337910	9.182	ppbv	100
4) Chloromethane	3.10	50	775548	9.495	ppbv	96
5) Vinyl Chloride	3.21	62	762590	9.818	ppbv	99
6) Bromomethane	3.44	94	466184	9.665	ppbv	92
7) Chloroethane	3.52	64	287984	9.832	ppbv	93
8) Dichlorotetrafluoroethane	3.14	85	1768349	9.260	ppbv	100
9) Propene	2.96	41	561149	9.726	ppbv	99
10) Heptane	8.13	43	1524215	10.193	ppbv	99
11) Trichlorofluoromethane	3.92	101	1845095	9.697	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1285619	9.771	ppbv	100
13) Ethanol	3.57	45	155160	7.118	ppbv	97
14) Bromoethene	3.70	108	576598	10.167	ppbv	99
15) Acetone	3.82	43	1412572	8.858	ppbv	100
16) 1,3-Butadiene	3.29	39	683277	9.769	ppbv	98
17) tert-Butyl alcohol	4.26	59	1575963	11.151	ppbv	100
18) 1,1-Dichloroethene	4.26	96	598845	10.092	ppbv	98
19) Isopropyl Alcohol	3.93	45	1106350	10.684	ppbv	99
20) Methylene Chloride	4.32	84	534921	8.288	ppbv	94
21) Allyl Chloride	4.38	41	985192	10.395	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	593913	10.697	ppbv	93
23) Vinyl Acetate	5.06	43	2026440	10.469	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1583116	9.701	ppbv	98
25) Ethyl Acetate	5.67	43	2688319	9.341	ppbv	99
26) Hexane	5.68	57	1201413	9.259	ppbv	99
27) Carbon Disulfide	4.53	76	1581298	11.776	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1909148	10.472	ppbv	100
29) Chloroform	5.74	83	1898165	9.348	ppbv	98
30) Cyclohexane	7.14	84	1004454	10.786	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1227586	10.263	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1876496	9.964	ppbv	100
34) 2-Butanone	5.23	43	1728226	9.717	ppbv	99
35) Carbon Tetrachloride	7.02	117	1937719	10.432	ppbv	96
36) Benzene	6.90	78	2391103	9.970	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1474544	9.728	ppbv	100
38) Trichloroethene	7.85	130	958666	10.291	ppbv	98
39) 1,2-Dichloropropane	7.63	63	945764	10.083	ppbv	98
40) 1,4-Dioxane	7.84	88	346942	9.377	ppbv #	99
41) Tetrahydrofuran	6.04	42	946460	10.418	ppbv	99
42) Bromodichloromethane	7.81	83	2054561	10.466	ppbv	95
43) Methyl Methacrylate	8.02	69	1098078	10.817	ppbv	100

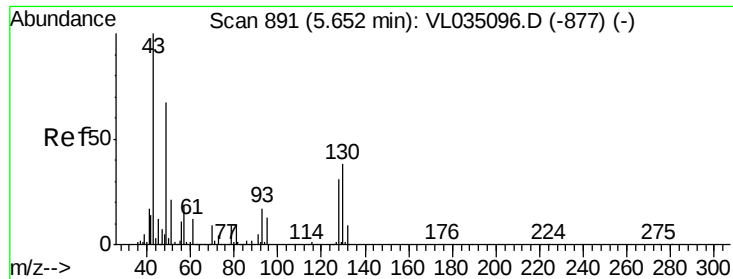
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
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Quant Time: Jul 01 02:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4077170	9.740	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1257745	12.731	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1466483	11.949	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	998804	9.756	ppbv	99
48) Dibromochloromethane	10.33	129	1709594	11.202	ppbv	99
49) Bromoform	13.08	173	1487521	11.473	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2561914	10.138	ppbv	99
51) 2-Hexanone	10.15	43	2100641	10.614	ppbv #	100
52) Tetrachloroethene	11.26	164	874082	10.343	ppbv	96
53) Toluene	9.83	91	2789974	10.906	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1540019	10.160	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1263671	8.283	ppbv #	57
57) Chlorobenzene	12.18	112	2122024	7.736	ppbv	99
58) Ethyl Benzene	12.74	91	3734552	8.916	ppbv	98
59) m/p-Xylene	13.03	91	1156026	3.114	ppbv #	31
60) o-Xylene	13.73	91	3046972	8.245	ppbv	100
61) Styrene	13.56	104	2195959	9.443	ppbv	100
62) Isopropylbenzene	14.71	105	4465057	8.097	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2121390	7.088	ppbv	99
64) n-propylbenzene	15.61	120	1184674	8.418	ppbv	99
65) tert-Butylbenzene	16.79	119	3890929	8.240	ppbv	100
66) Benzyl Chloride	17.03	91	1624747	11.139	ppbv	100
67) sec-Butylbenzene	17.34	105	5440765	8.039	ppbv	100
69) p-Isopropyltoluene	17.70	119	4516287	8.366	ppbv	100
70) n-Butylbenzene	18.60	91	4682794	8.053	ppbv	99
71) 2-Chlorotoluene	15.50	91	3448219	8.273	ppbv	100
72) 4-Ethyltoluene	15.88	105	3566960	8.677	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3294642	8.478	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	3396339	7.831	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1926994	7.445	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1951587	7.882	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	890562	3.760	ppbv #	20
78) Hexachloro-1,3-Butadiene	23.43	225	1558864	7.323	ppbv	99
79) Naphthalene	22.27	128	3304152	8.690	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1671717	11.498	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1770790	8.073	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampled :

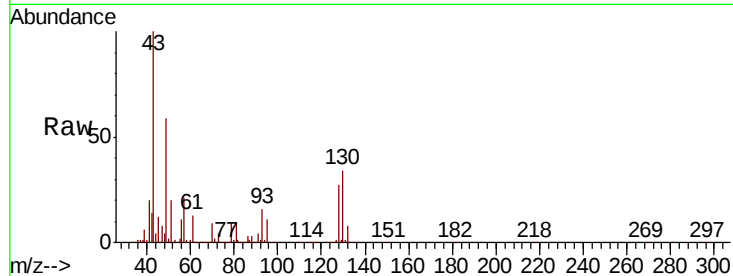
Tot Ion: 49 Resp: 1319016

Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.5
130	58.9	29.0	87.0

49 100

128 46.2 22.9 68.5

130 58.9 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

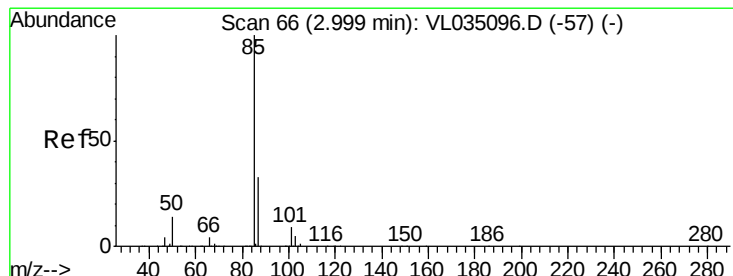
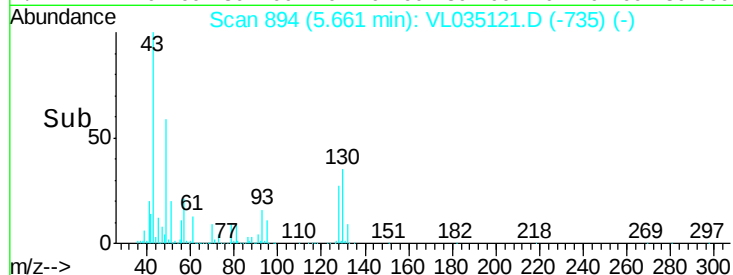
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->

5.66

5.60 5.65 5.70



#2

Dichlorodifluoromethane

Concen: 7.638 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035121.D

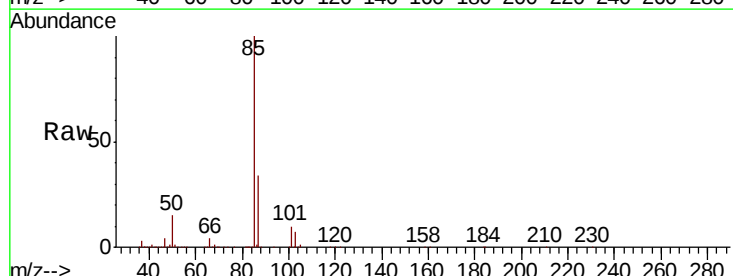
Acq: 30 Jun 2020 9:36

Tgt Ion: 85 Resp: 1360498

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.1	39.1

85 100

87 34.1 26.1 39.1



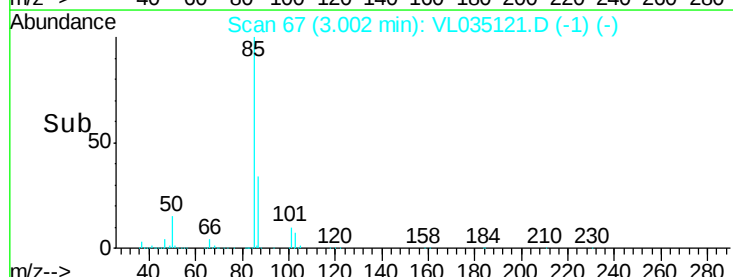
Abundance Ion 85.00 (84.70 to 85.70): VL0

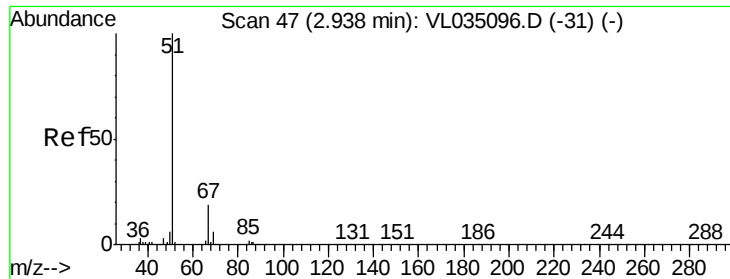
Ion 87.00 (86.70 to 87.70): VL0

Time-->

3.00

2.95 3.00 3.05





#3

Chlorodifluoromethane

Concen: 9.182 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

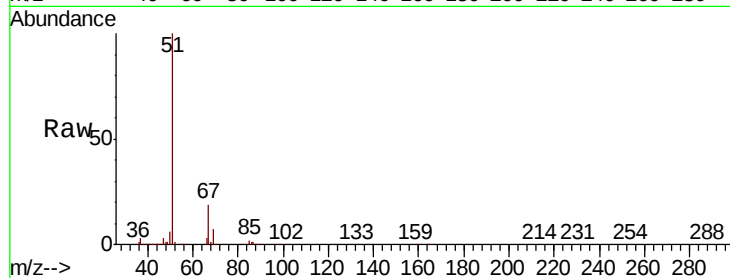
ClientSampleId :

Tot Ion: 51 Resp: 1337910

Ion Ratio Lower Upper

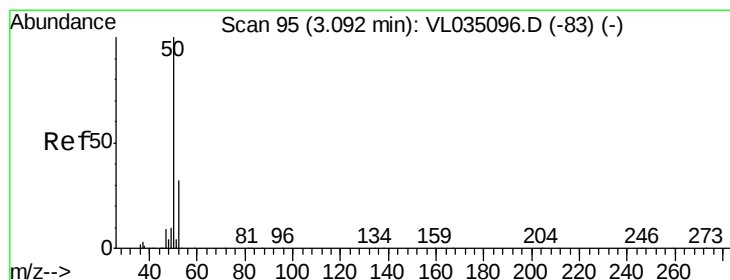
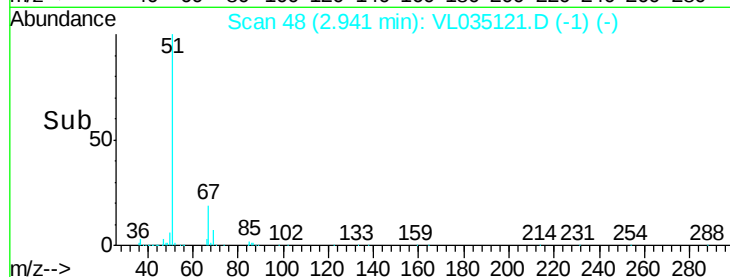
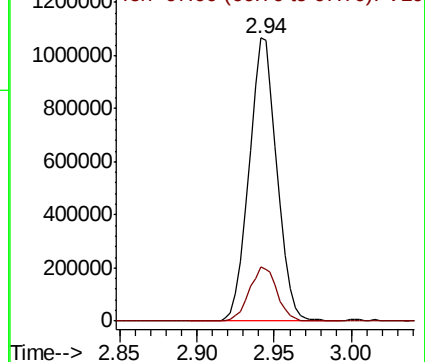
51 100

67 19.1 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.495 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.01 min

Lab File: VL035121.D

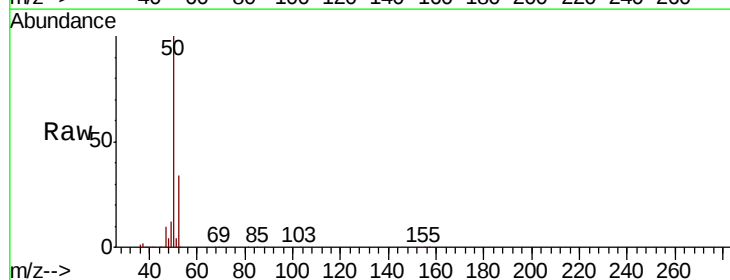
Acq: 30 Jun 2020 9:36

Tgt Ion: 50 Resp: 775548

Ion Ratio Lower Upper

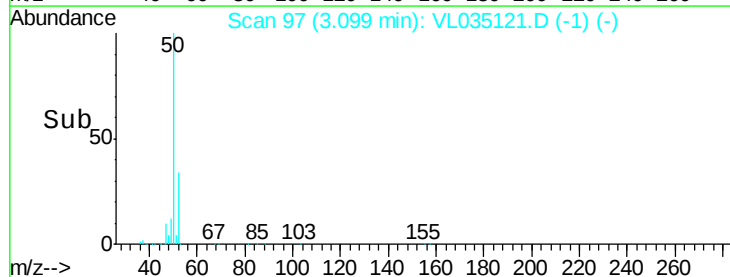
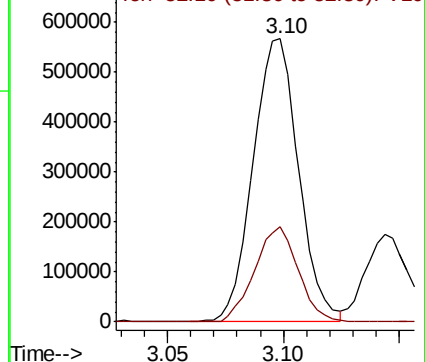
50 100

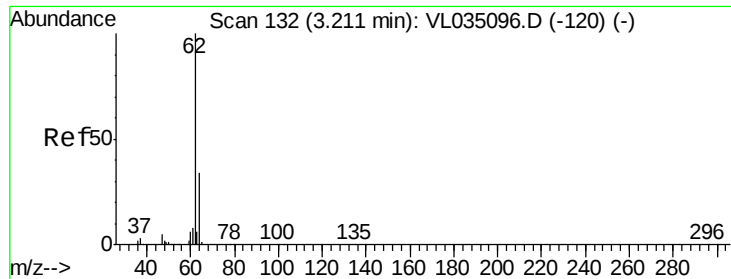
52 33.7 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.818 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

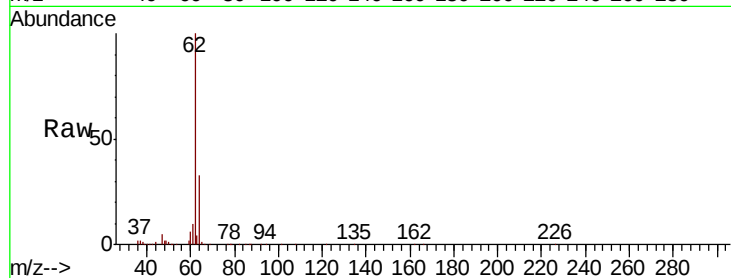
ClientSampleId :

Tot Ion: 62 Resp: 762590

Ion Ratio Lower Upper

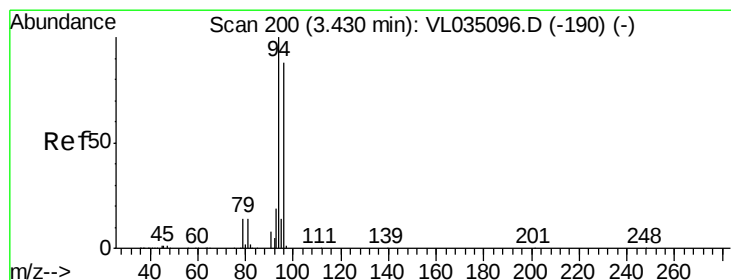
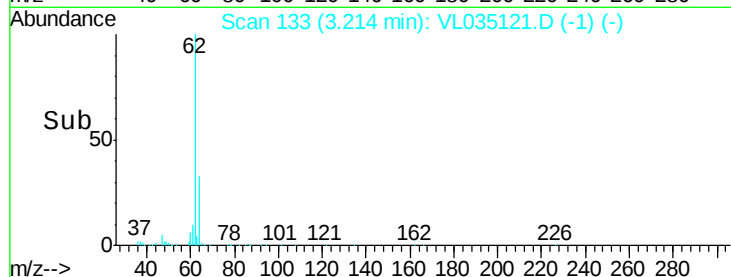
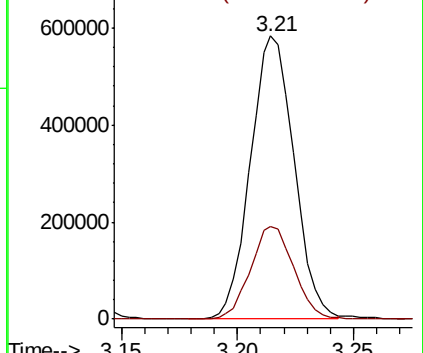
62 100

64 32.9 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.665 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.01 min

Lab File: VL035121.D

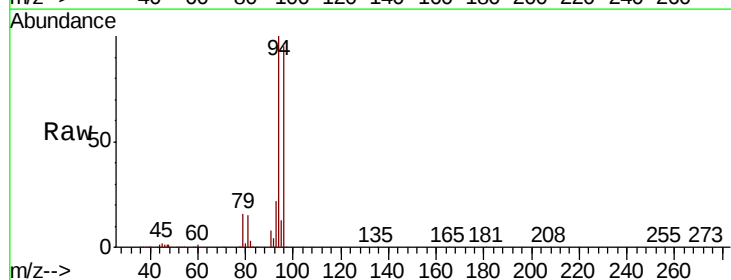
Acq: 30 Jun 2020 9:36

Tgt Ion: 94 Resp: 466184

Ion Ratio Lower Upper

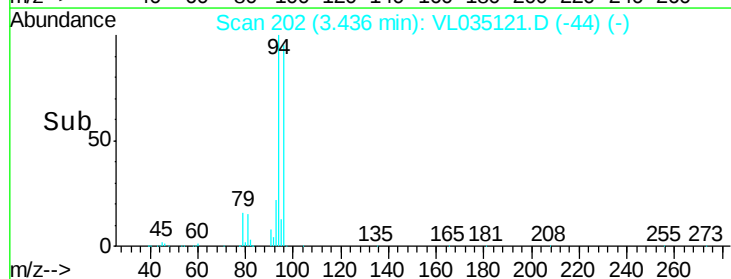
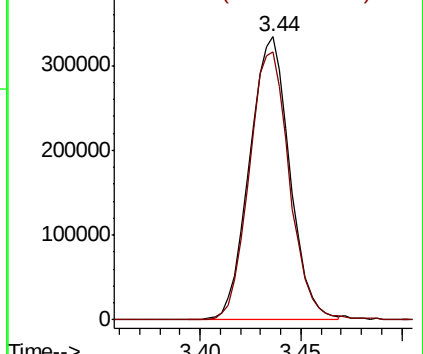
94 100

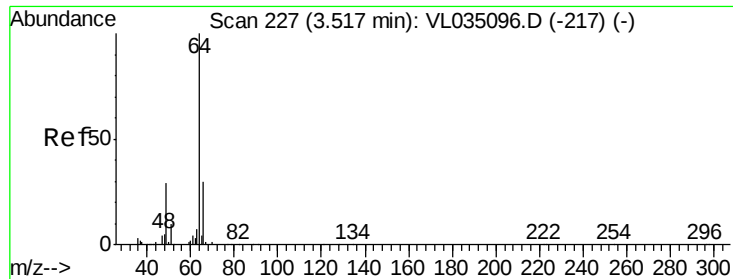
96 94.9 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.832 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

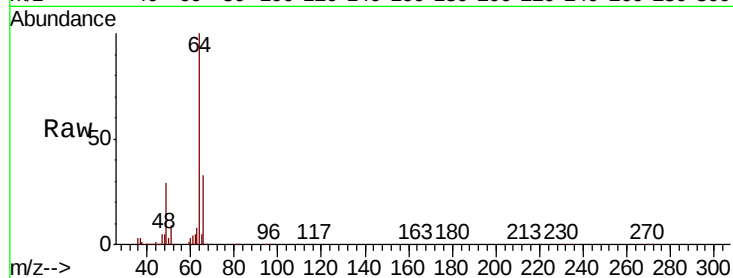
ClientSampleId :

Tot Ion: 64 Resp: 287984

Ion Ratio Lower Upper

64 100

66 33.9 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

200000

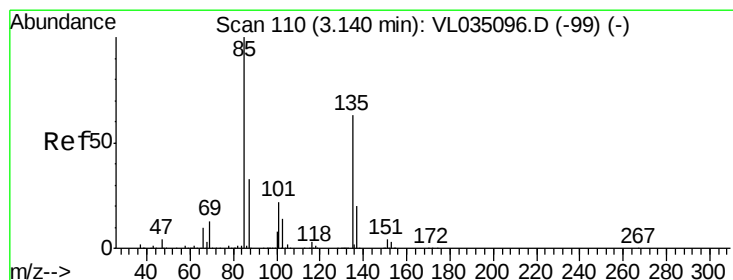
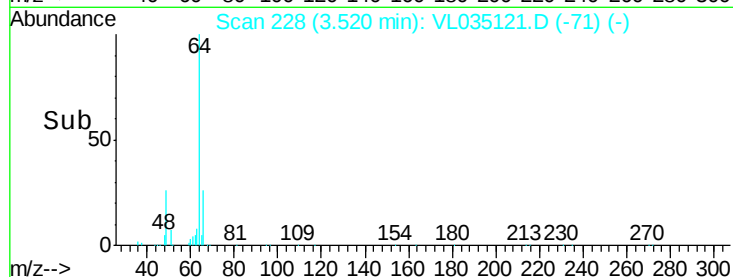
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.260 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035121.D

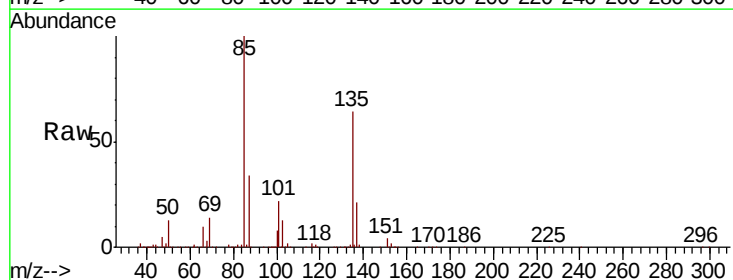
Acq: 30 Jun 2020 9:36

Tgt Ion: 85 Resp: 1768349

Ion Ratio Lower Upper

85 100

135 63.9 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

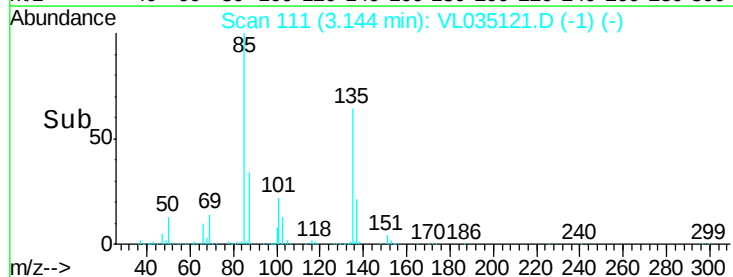
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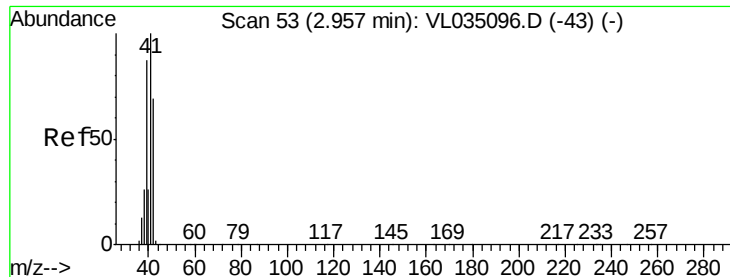
1000000

500000

0

Time-->





#9

Propene

Concen: 9.726 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

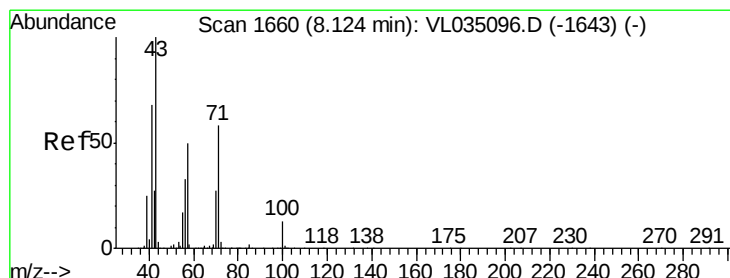
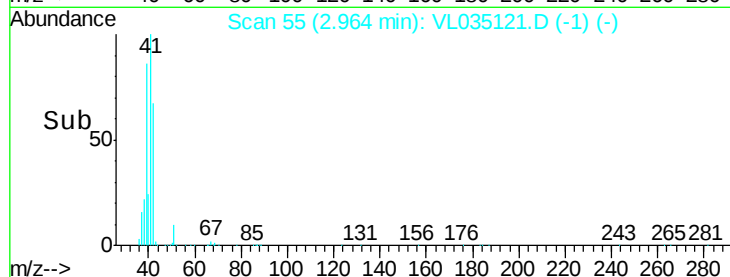
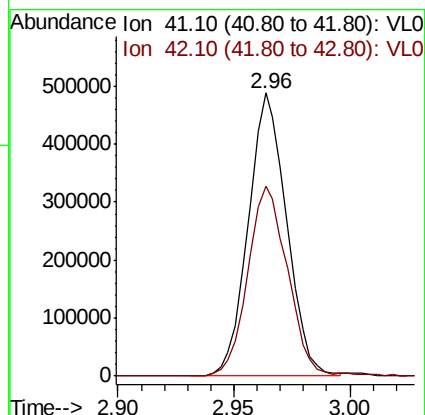
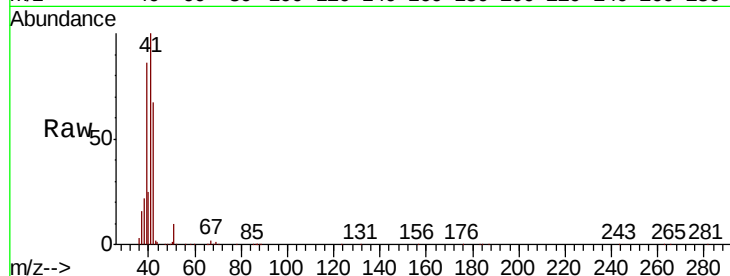
ClientSampled :

Tot Ion: 41 Resp: 561149

Ion Ratio Lower Upper

41 100

42 70.4 55.8 83.6



#10

Heptane

Concen: 10.193 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL035121.D

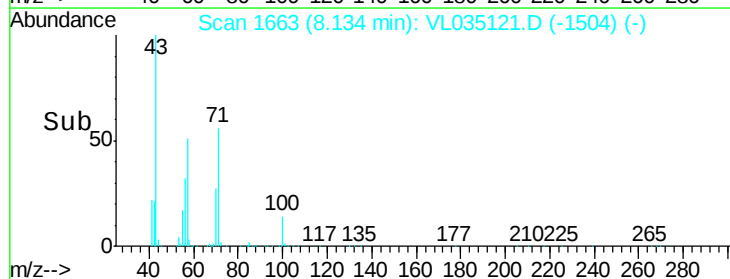
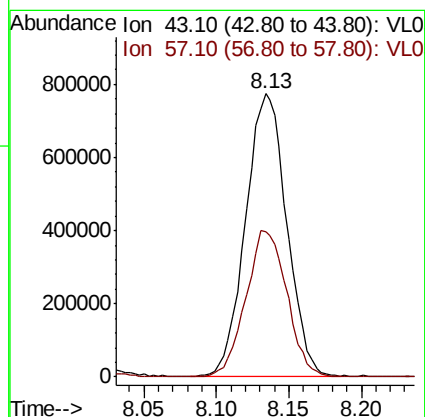
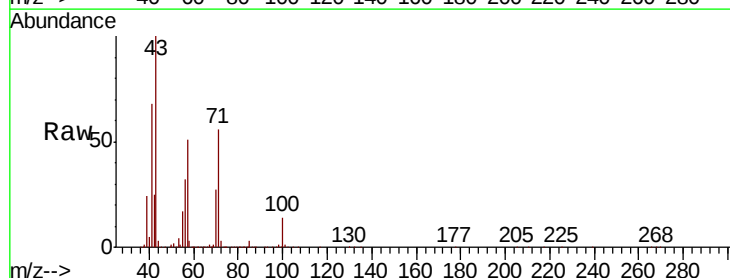
Acq: 30 Jun 2020 9:36

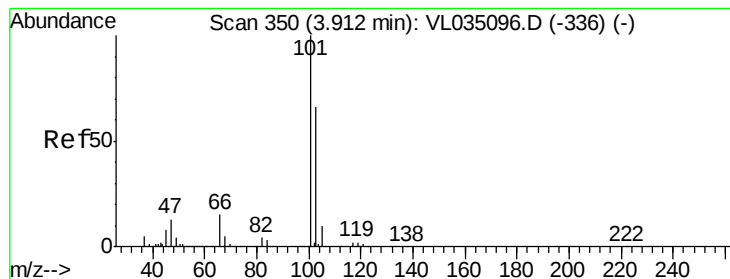
Tgt Ion: 43 Resp: 1524215

Ion Ratio Lower Upper

43 100

57 51.8 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.697 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

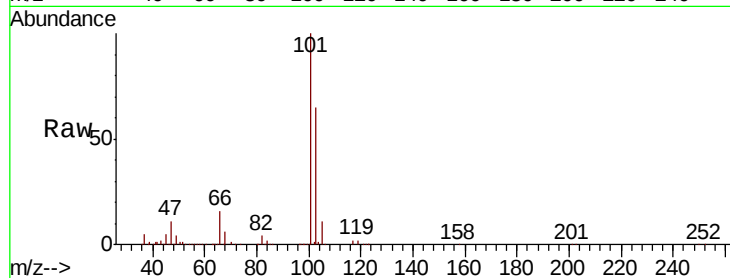
ClientSampled :

Tot Ion:101 Resp: 1845095

Ion Ratio Lower Upper

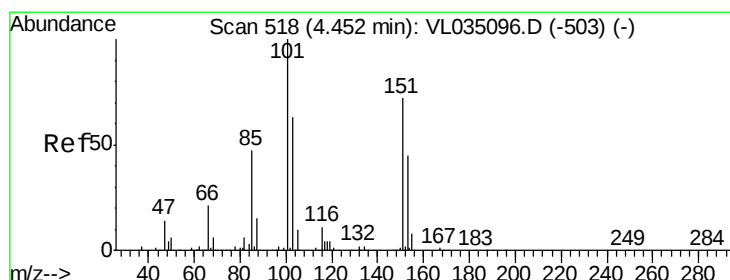
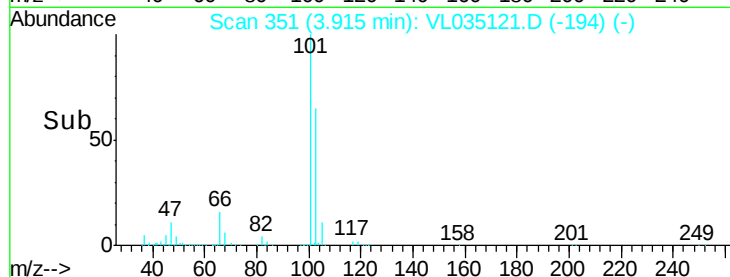
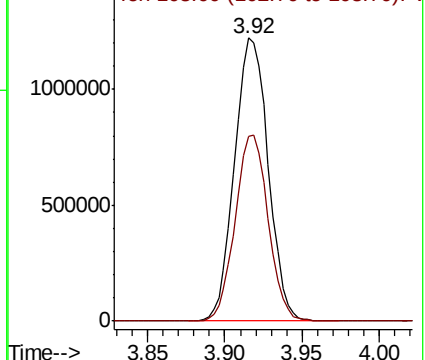
101 100

103 65.2 52.6 79.0



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: 9.771 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.01 min

Lab File: VL035121.D

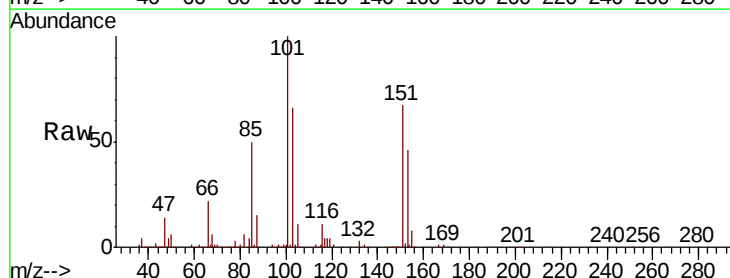
Acq: 30 Jun 2020 9:36

Tgt Ion:101 Resp: 1285619

Ion Ratio Lower Upper

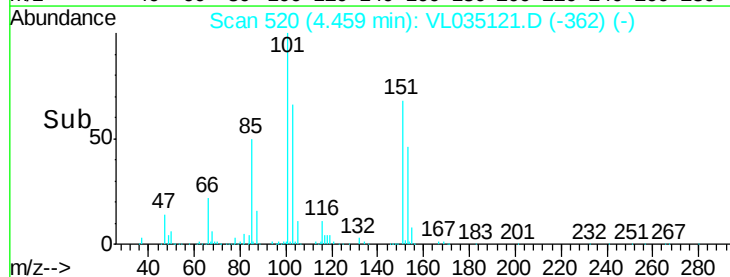
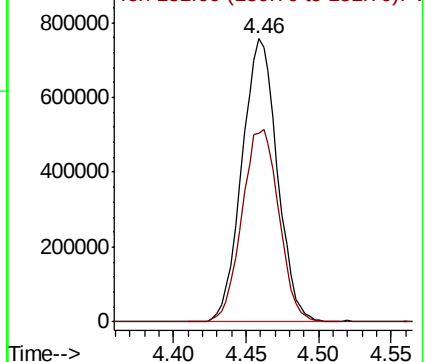
101 100

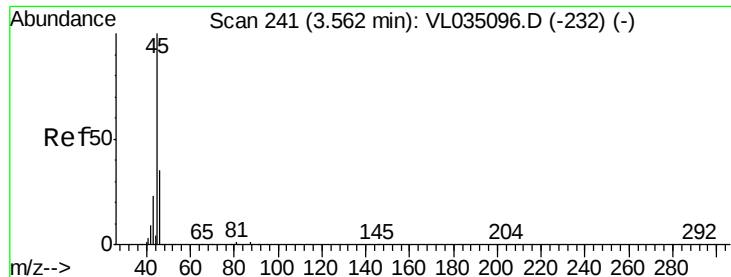
151 70.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

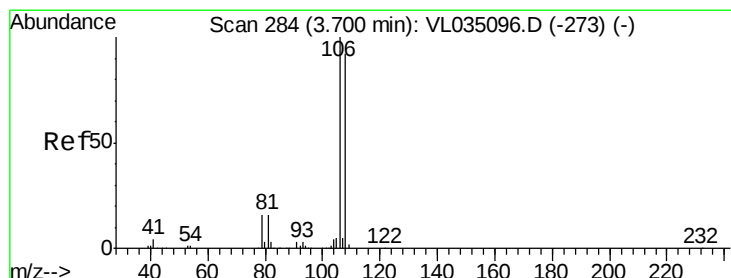
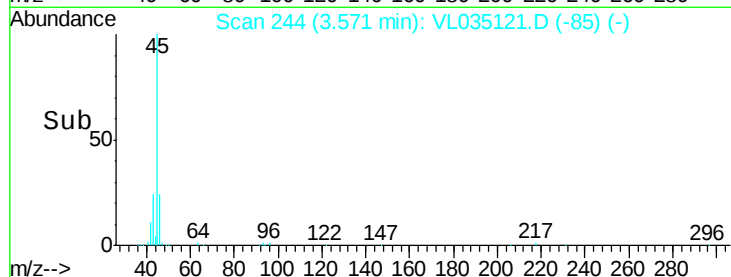
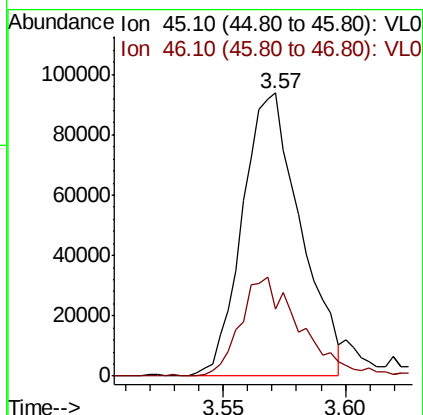
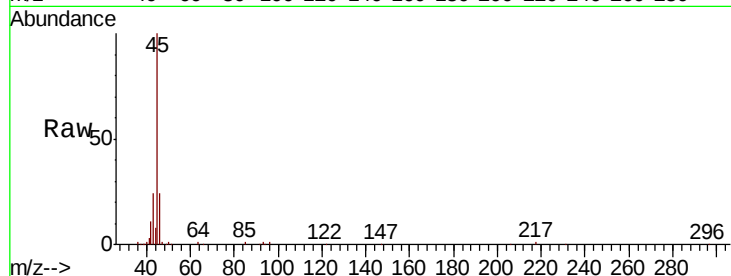




#13
Ethanol
Concen: 7.118 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

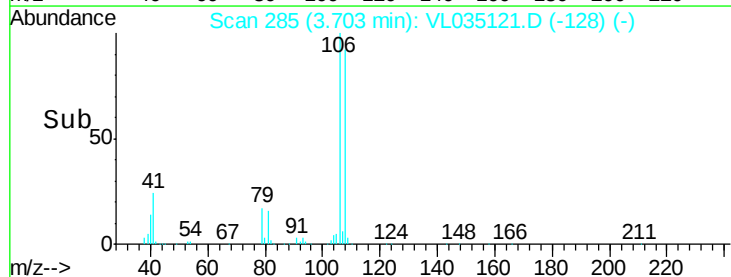
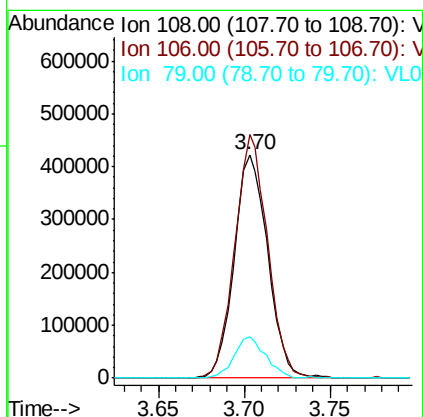
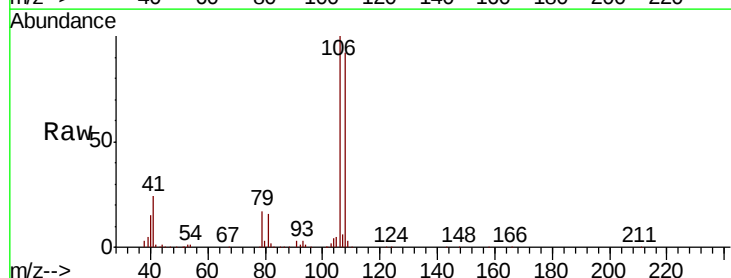
Instrument :
MSVOA_L
ClientSampleId :

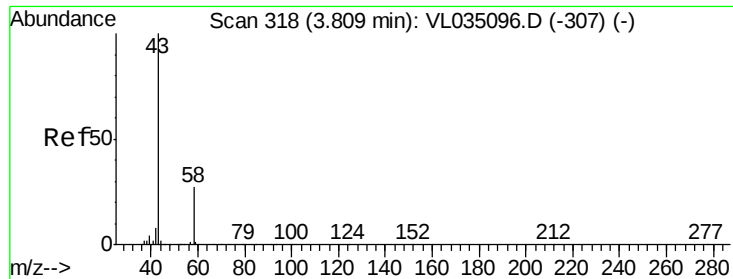
Tot Ion: 45 Resp: 155160
Ion Ratio Lower Upper
45 100
46 37.3 14.2 57.0



#14
Bromoethene
Concen: 10.167 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 108 Resp: 576598
Ion Ratio Lower Upper
108 100
106 107.0 84.4 126.6
79 17.6 14.2 21.2

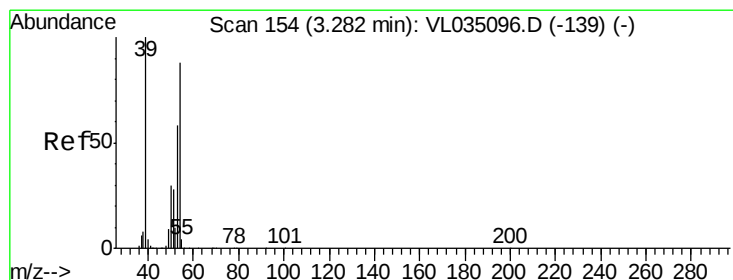
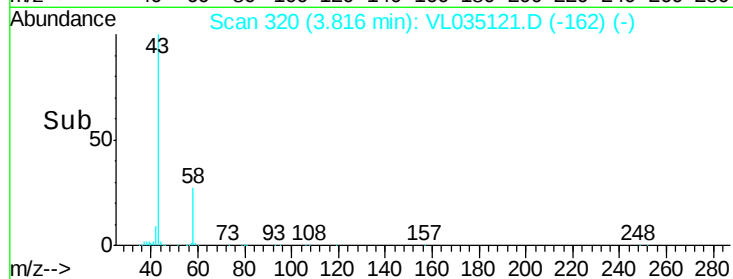
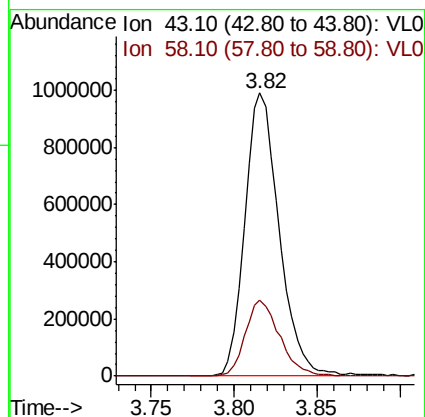
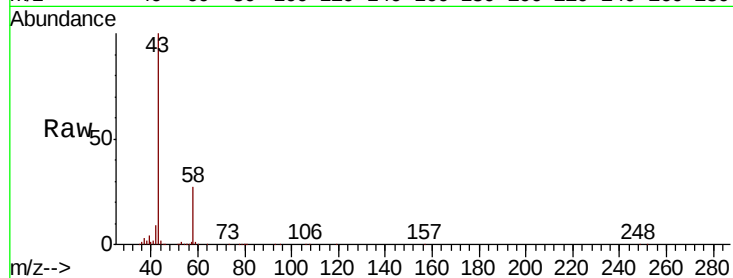




#15
Acetone
Concen: 8.858 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

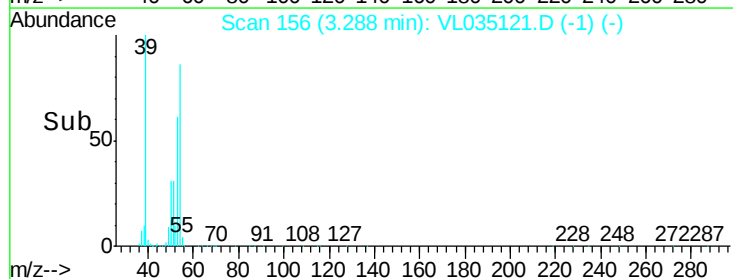
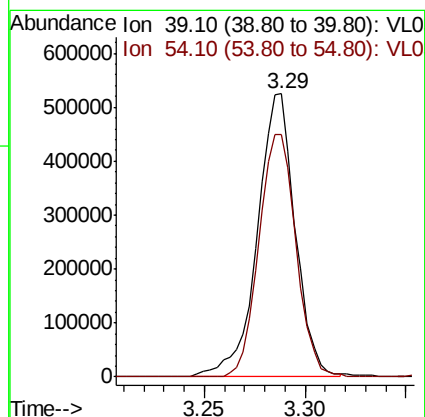
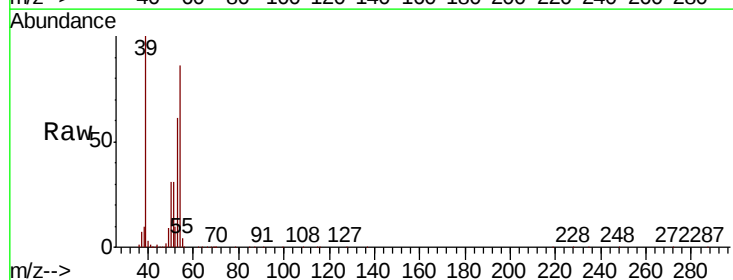
Instrument :
MSVOA_L
ClientSampled :

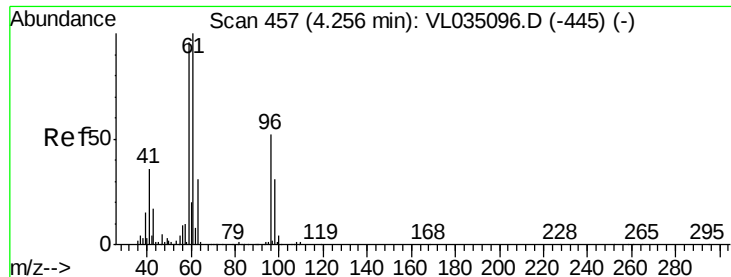
Tot Ion: 43 Resp: 1412572
Ion Ratio Lower Upper
43 100
58 27.3 21.8 32.6



#16
1,3-Butadiene
Concen: 9.769 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 39 Resp: 683277
Ion Ratio Lower Upper
39 100
54 85.3 67.0 100.4





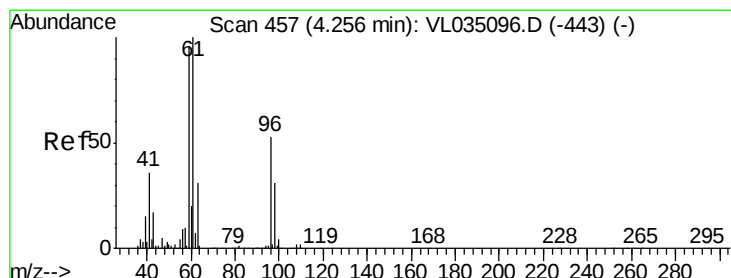
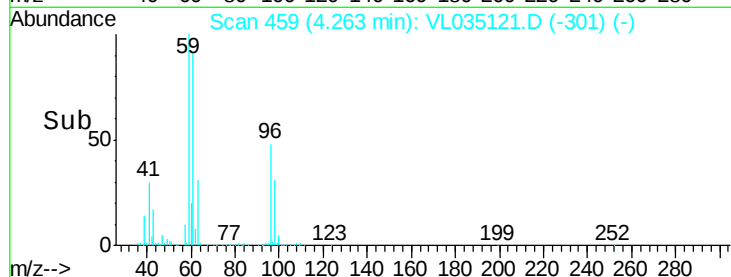
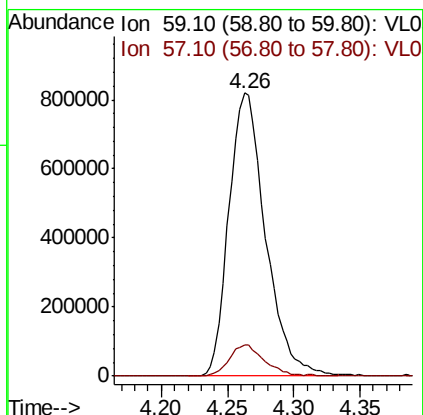
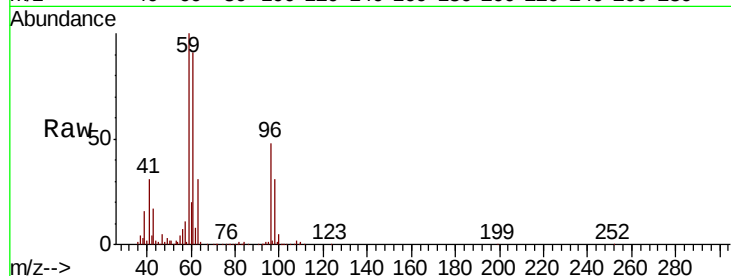
#17

tert-Butyl alcohol
 Concen: 11.151 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 59 Resp: 1575963

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

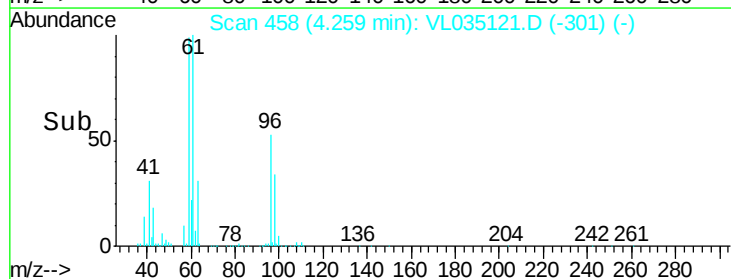
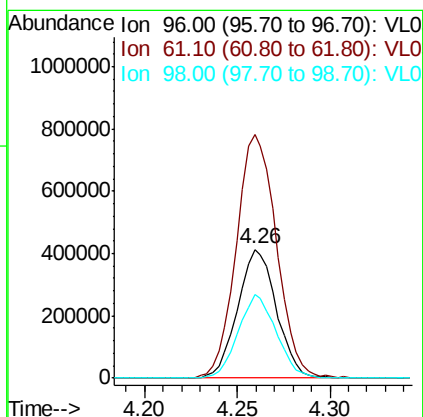
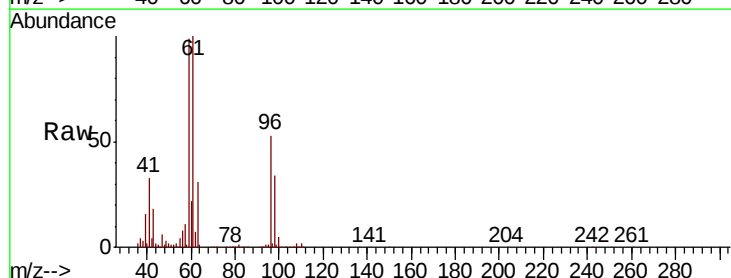


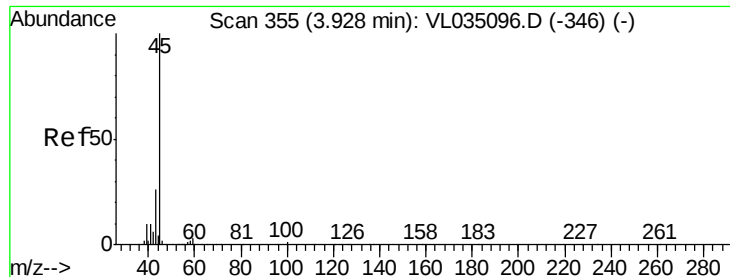
#18

1,1-Dichloroethene
 Concen: 10.092 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion: 96 Resp: 598845

Ion	Ratio	Lower	Upper
96	100		
61	188.8	152.2	228.4
98	64.4	47.7	71.5



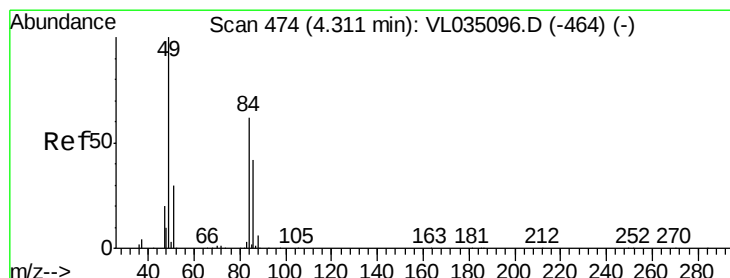
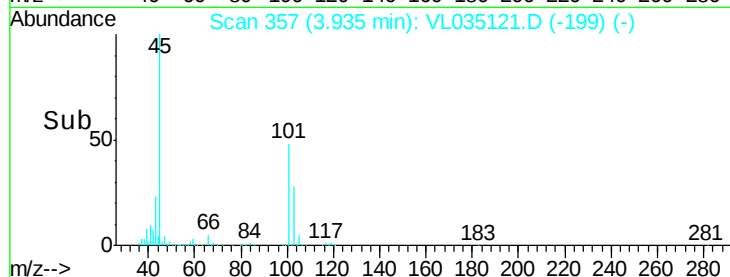
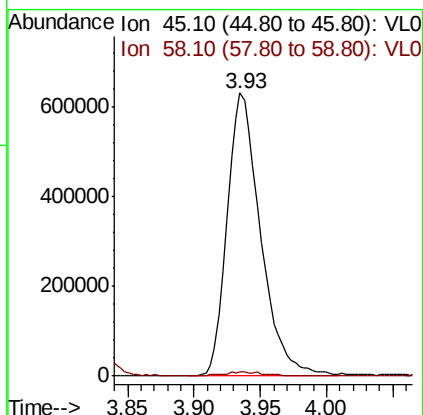
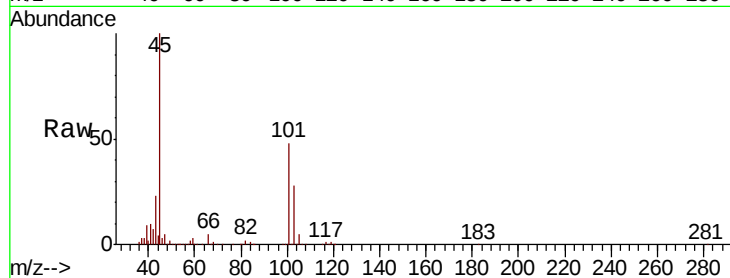


#19

Isopropyl Alcohol
 Concen: 10.684 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :

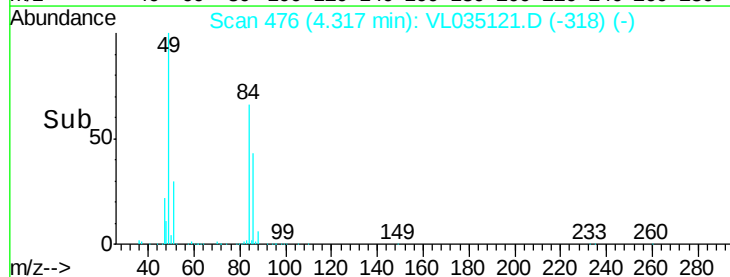
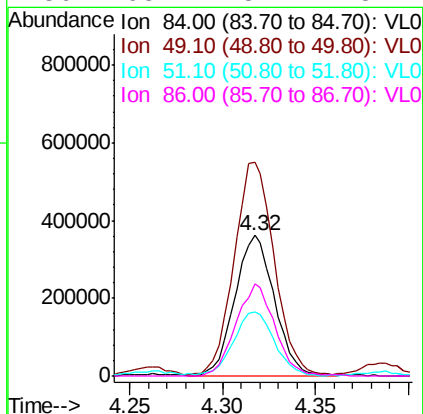
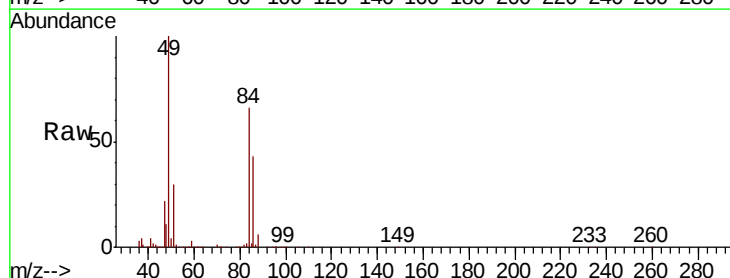
Tot Ion: 45 Resp: 1106350
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.8 2.8

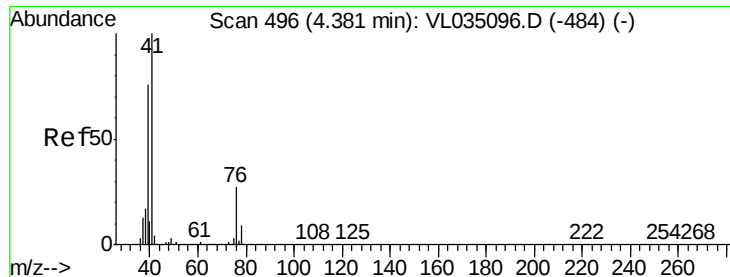


#20

Methylene Chloride
 Concen: 8.288 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion: 84 Resp: 534921
 Ion Ratio Lower Upper
 84 100
 49 151.3 128.8 193.2
 51 45.0 38.7 58.1
 86 65.4 54.1 81.1

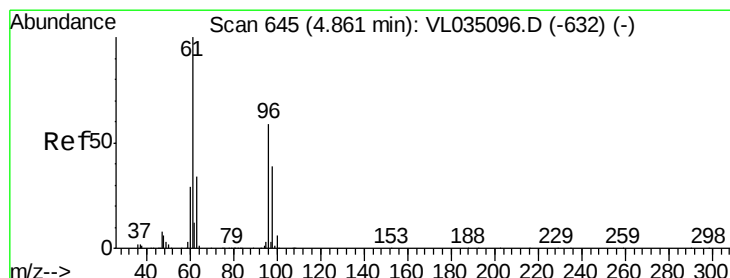
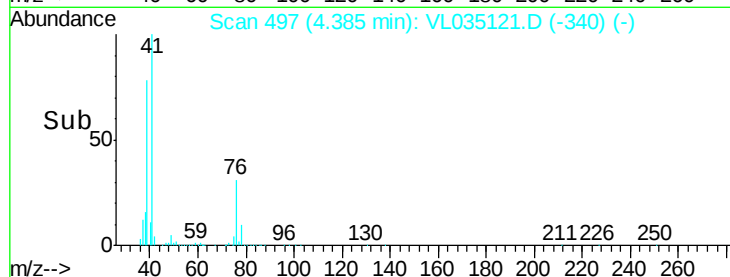
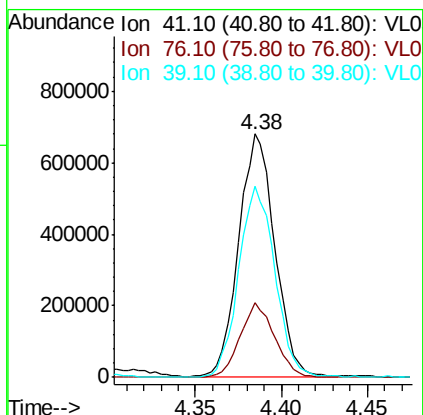
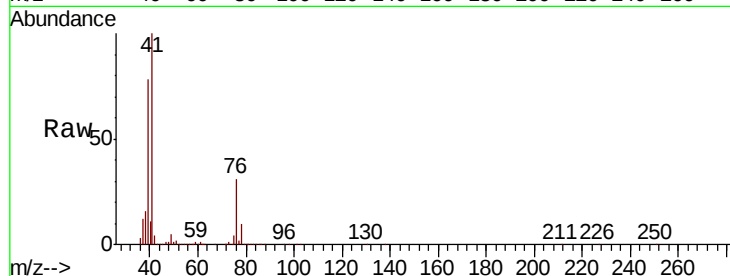




#21
Allvl Chloride
Concen: 10.395 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

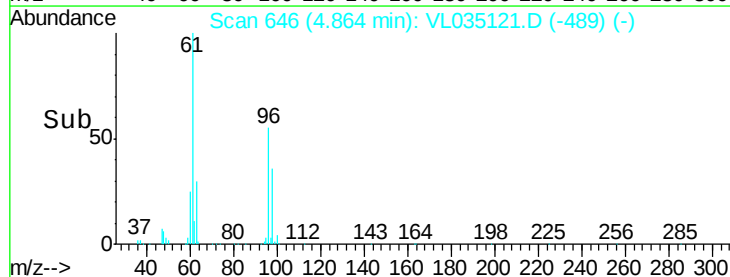
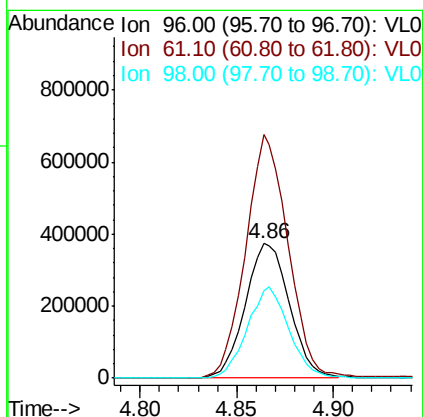
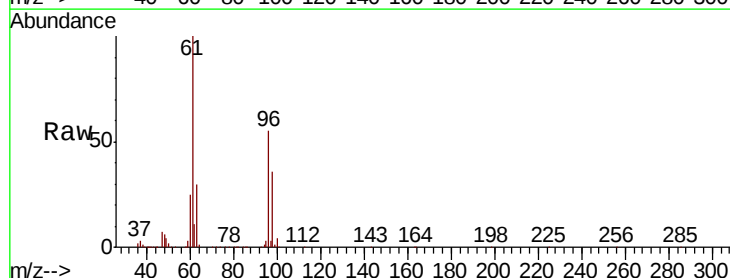
Instrument :
MSVOA_L
ClientSampleId :

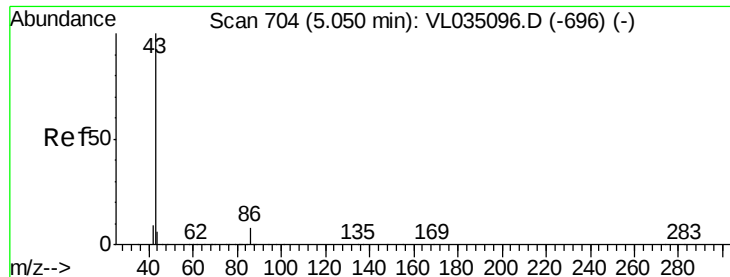
Tot Ion: 41 Resp: 985192
Ion Ratio Lower Upper
41 100
76 29.6 22.6 34.0
39 79.5 61.6 92.4



#22
trans-1,2-Dichloroethene
Concen: 10.697 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 96 Resp: 593913
Ion Ratio Lower Upper
96 100
61 181.2 134.5 201.7
98 65.4 52.6 79.0





#23

Vinyl Acetate

Concen: 10.469 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2026440

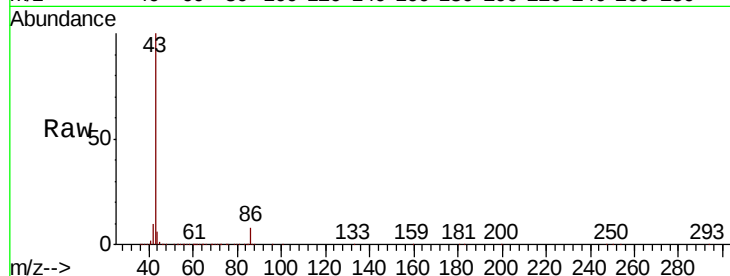
Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.2

42 9.8 8.1 12.1

44 5.7 4.6 7.0

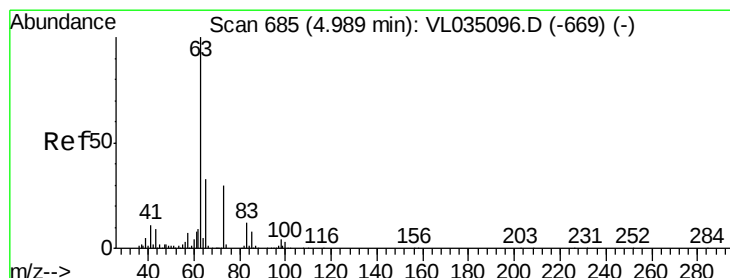
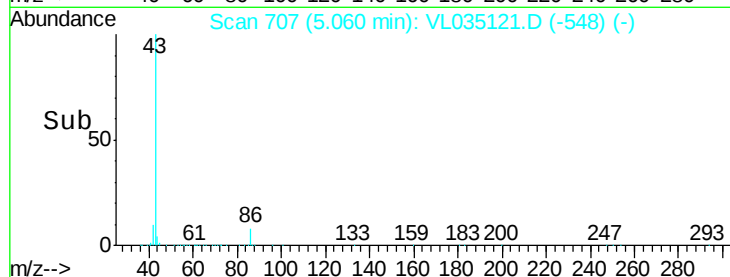
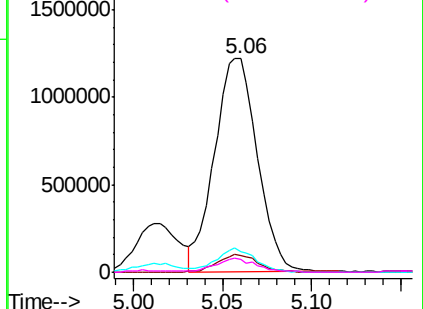


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.701 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

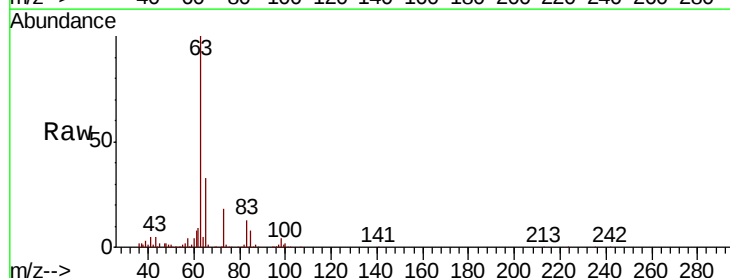
Tgt Ion: 63 Resp: 1583116

Ion Ratio Lower Upper

63 100

98 3.8 2.3 6.9

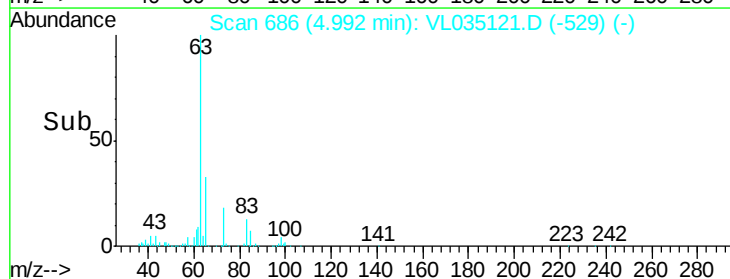
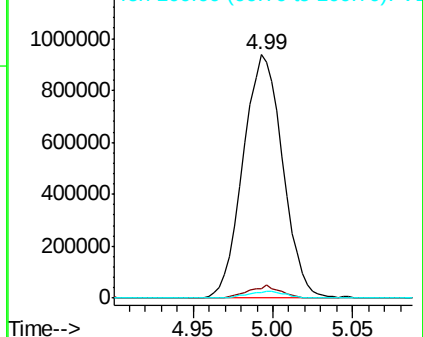
100 2.2 1.4 4.0

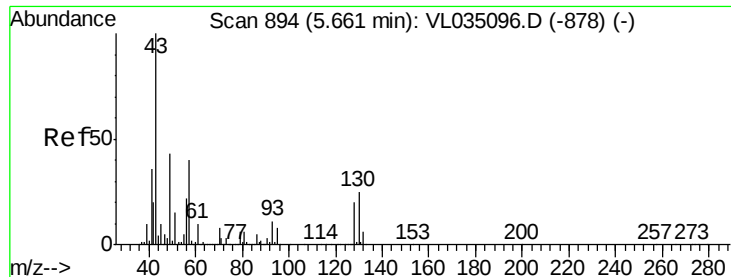


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

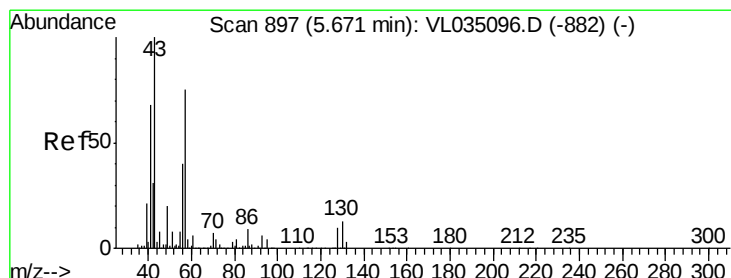
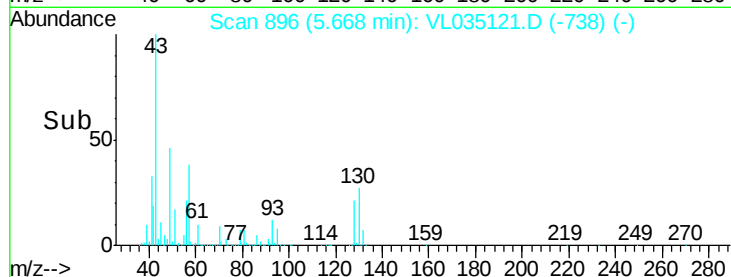
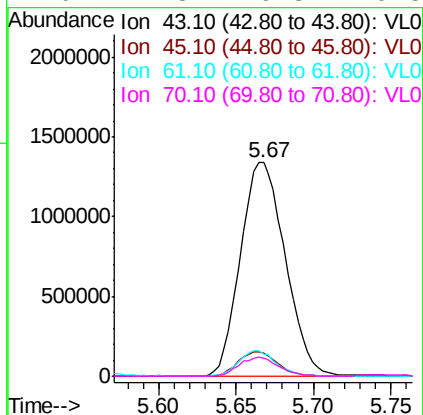
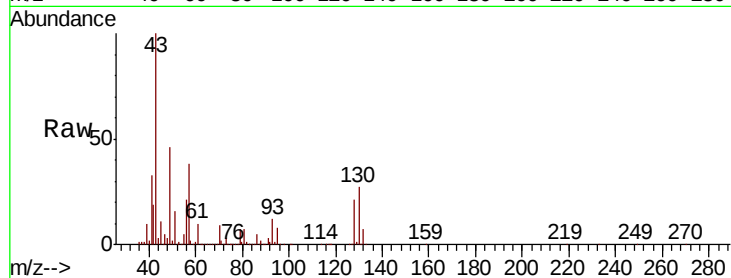




#25
Ethyl Acetate
Concen: 9.341 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

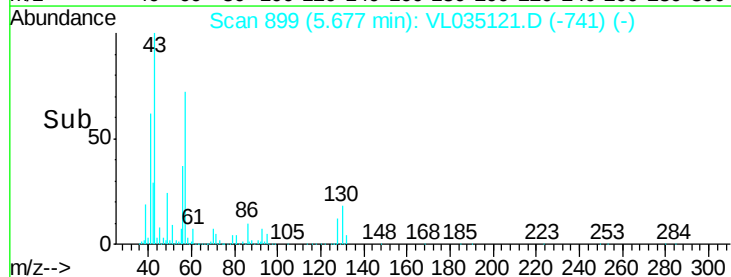
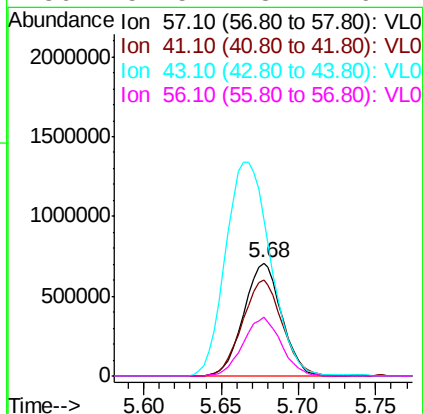
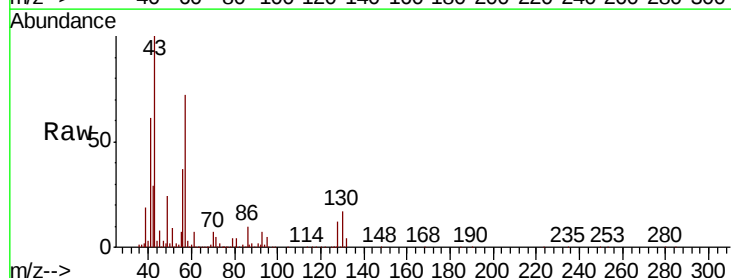
Instrument :
MSVOA_L
ClientSampleId :

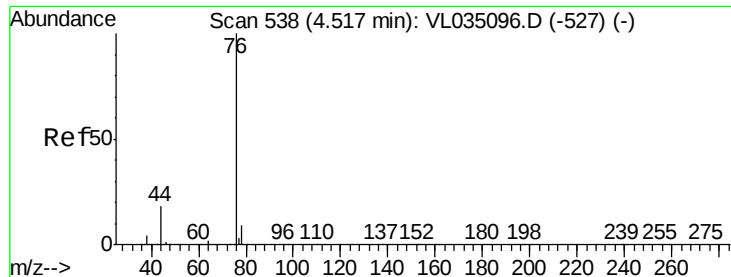
Tot Ion:	43	Resp:	2688319
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.4	12.6
61	10.2	8.0	12.0
70	7.8	6.3	9.5



#26
Hexane
Concen: 9.259 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion:	57	Resp:	1201413
Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.9	109.3
43	225.8	181.3	271.9
56	52.5	43.1	64.7





#27

Carbon Disulfide

Concen: 11.776 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

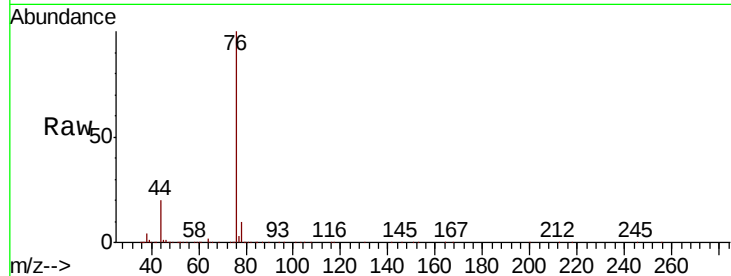
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1581298

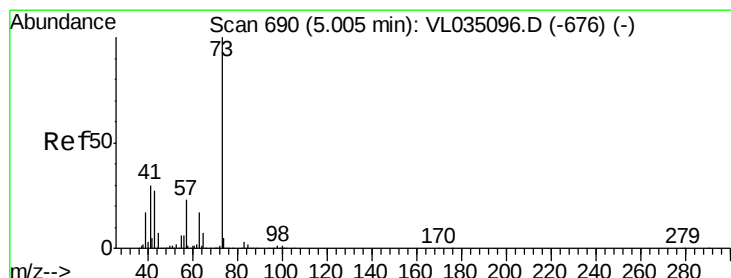
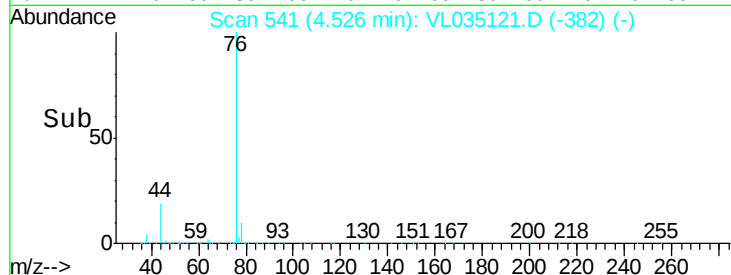
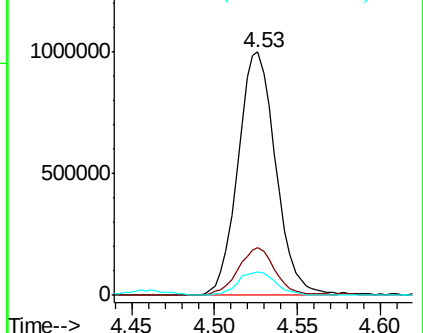
Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.8	23.8
78	9.8	7.6	11.4



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: 10.472 ppbv

RT: 5.01 min Scan# 692

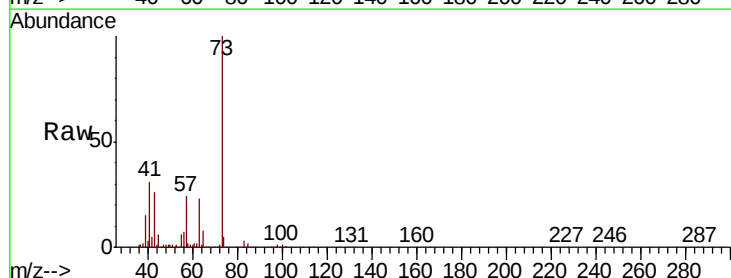
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

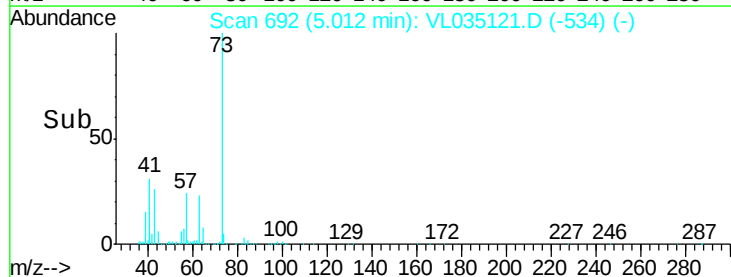
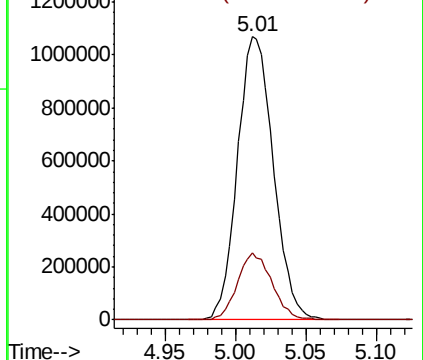
Tgt Ion: 73 Resp: 1909148

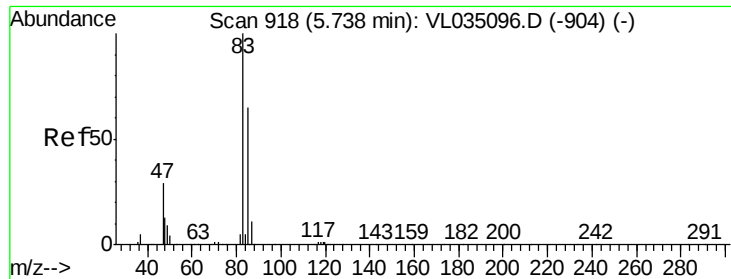
Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.5	27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.348 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

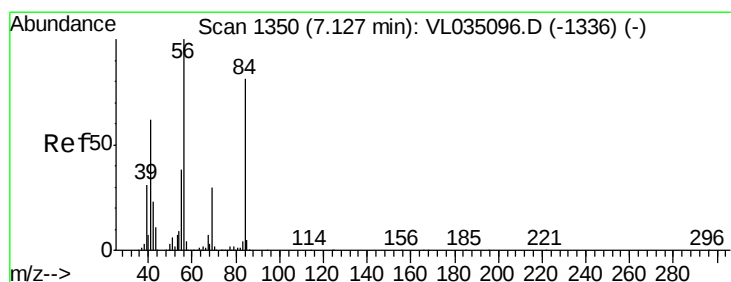
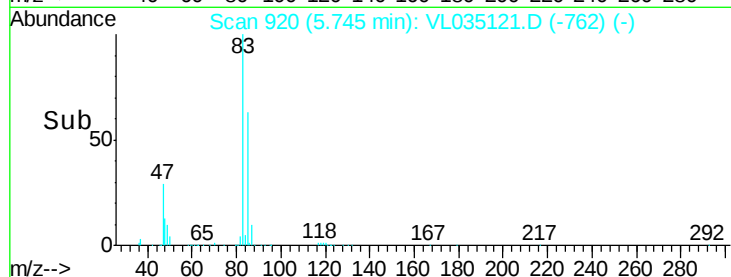
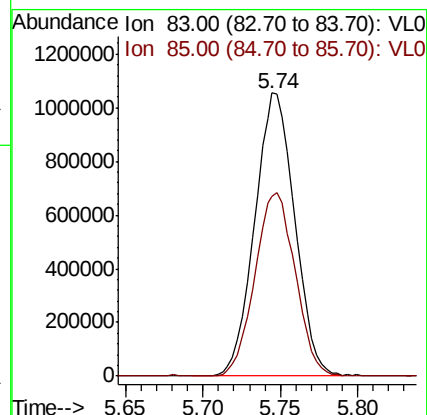
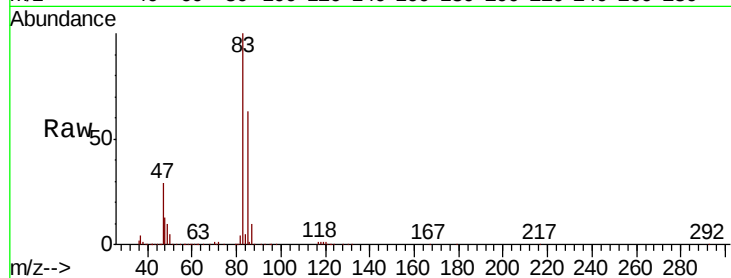
ClientSampleId :

Tot Ion: 83 Resp: 1898165

Ion Ratio Lower Upper

83 100

85 63.2 52.1 78.1



#30

Cyclohexane

Concen: 10.786 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

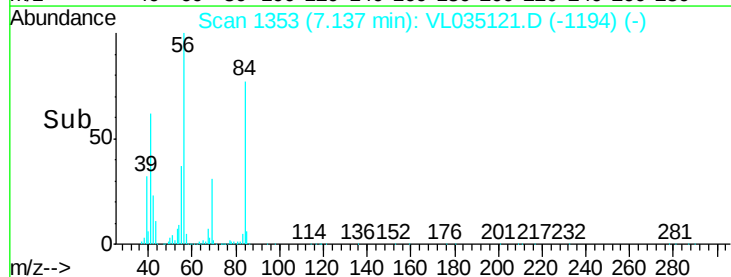
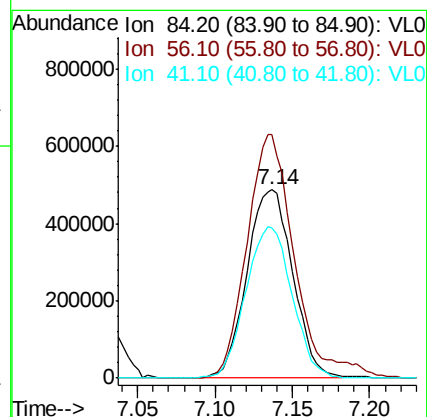
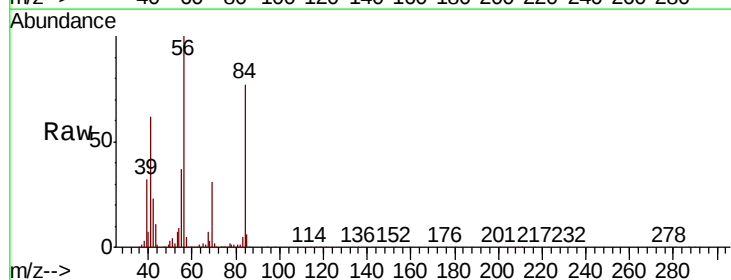
Tgt Ion: 84 Resp: 1004454

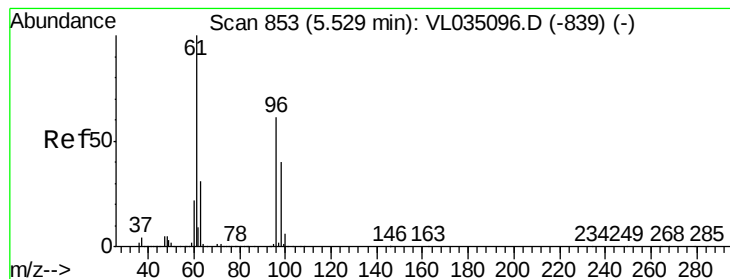
Ion Ratio Lower Upper

84 100

56 134.7 108.0 162.0

41 81.3 65.6 98.4





#31

cis-1,2-Dichloroethene

Concen: 10.263 ppbv

RT: 5.54 min Scan# 856

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

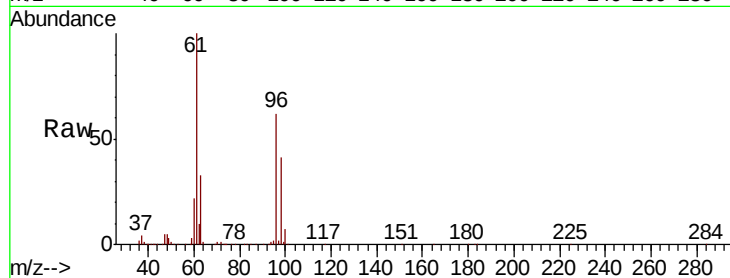
Tot Ion: 61 Resp: 1227586

Ion Ratio Lower Upper

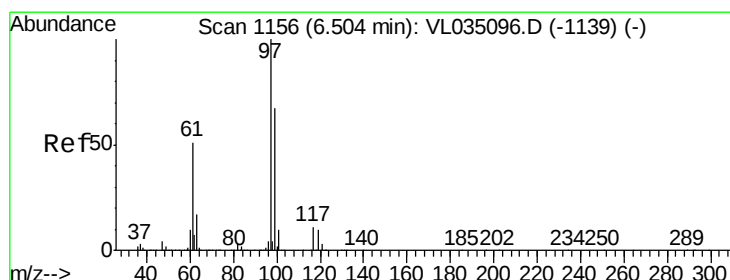
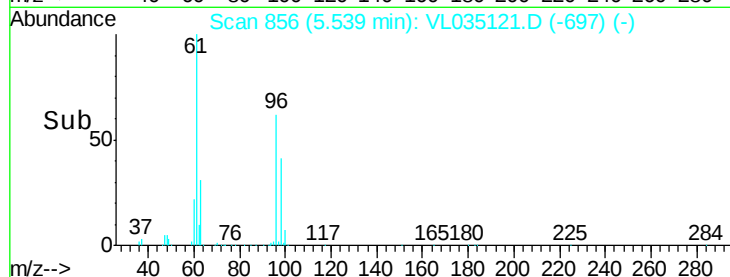
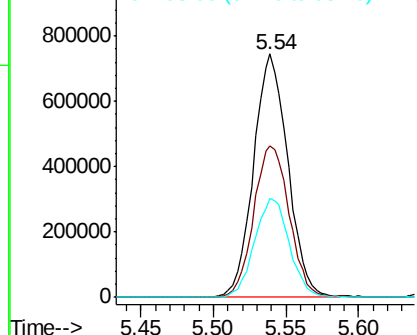
61 100

96 62.0 48.8 73.2

98 40.8 31.9 47.9



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: 9.964 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

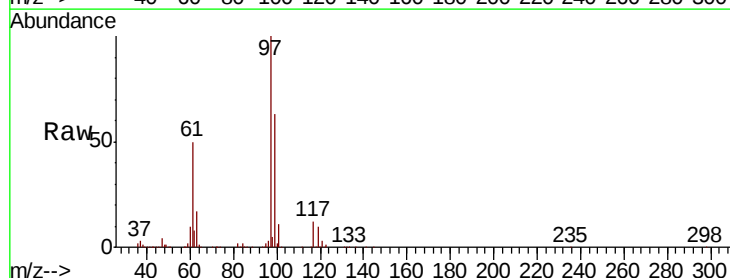
Tgt Ion: 97 Resp: 1876496

Ion Ratio Lower Upper

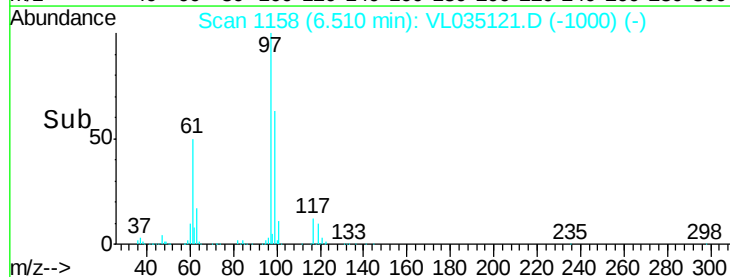
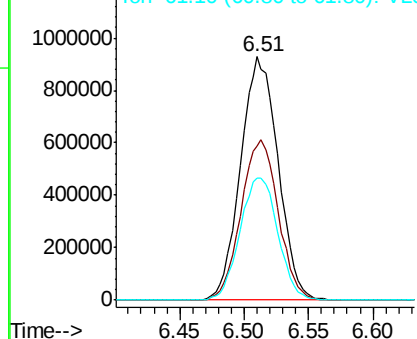
97 100

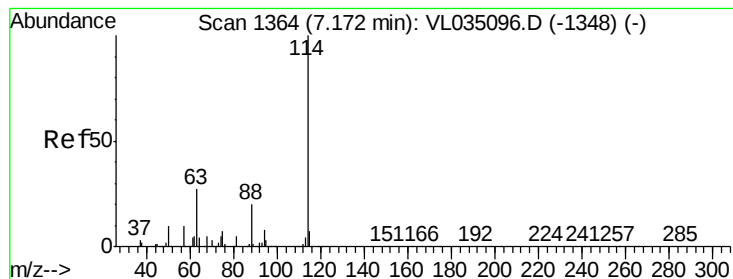
99 65.4 52.0 78.0

61 51.0 41.0 61.6



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

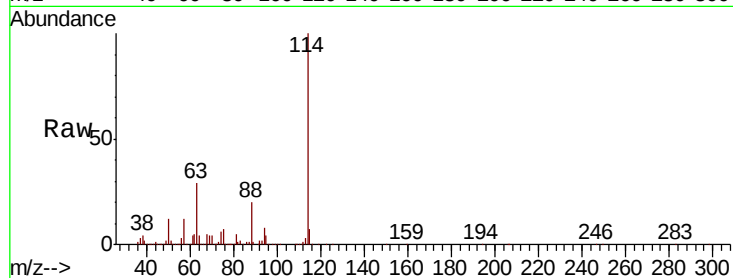
Tot Ion:114 Resp: 3097176

Ion Ratio Lower Upper

114 100

63 28.1 21.9 32.9

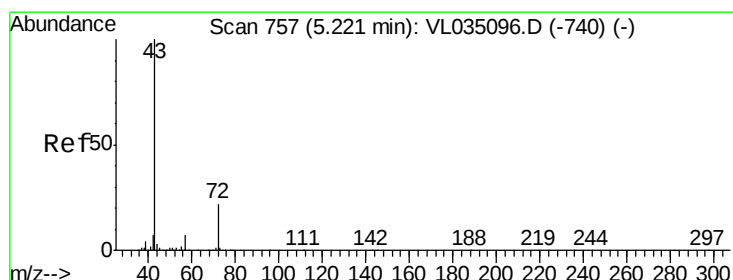
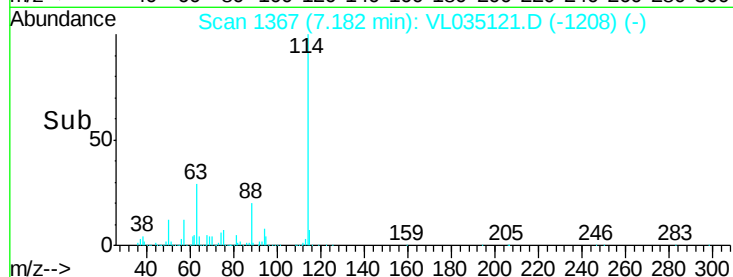
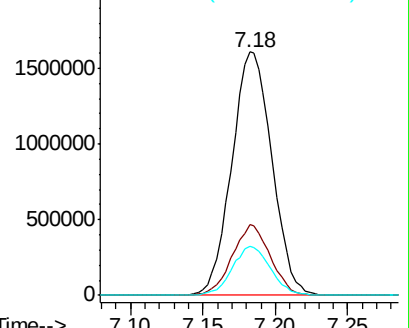
88 19.4 15.6 23.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.717 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.01 min

Lab File: VL035121.D

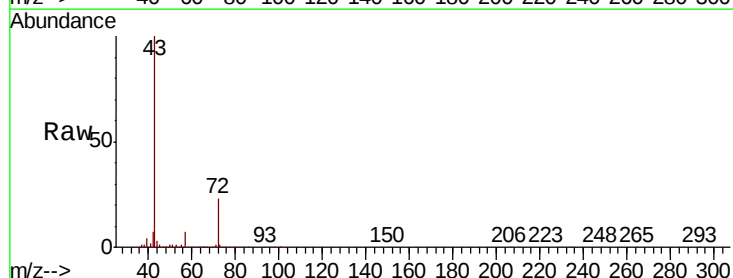
Acq: 30 Jun 2020 9:36

Tgt Ion: 43 Resp: 1728226

Ion Ratio Lower Upper

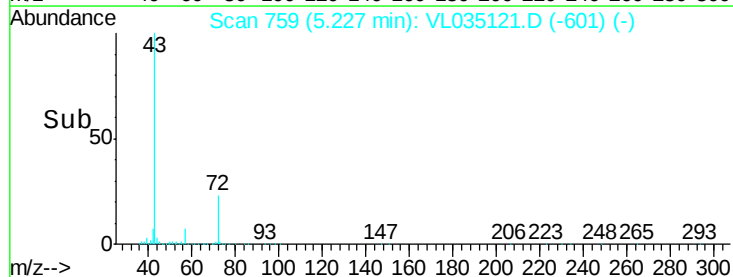
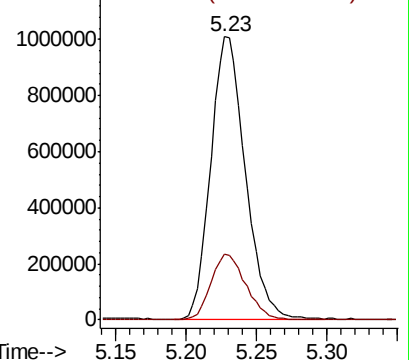
43 100

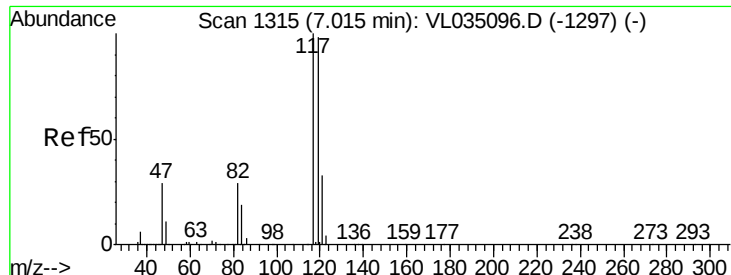
72 23.4 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.432 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

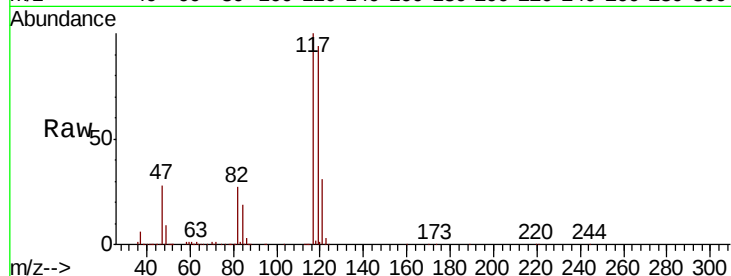
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 1937719

Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.3	117.5
121	31.2	26.0	39.0

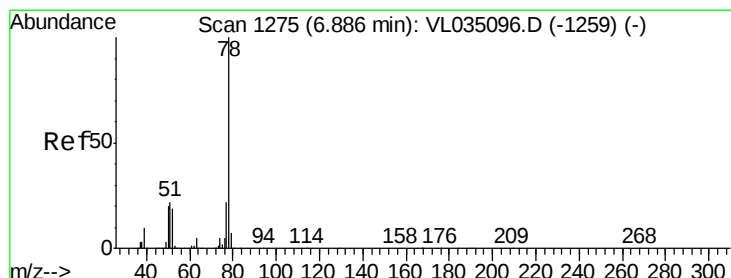
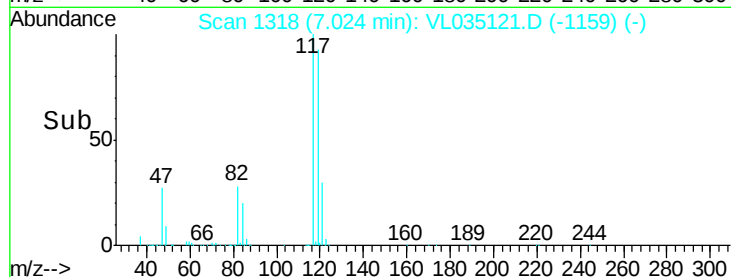
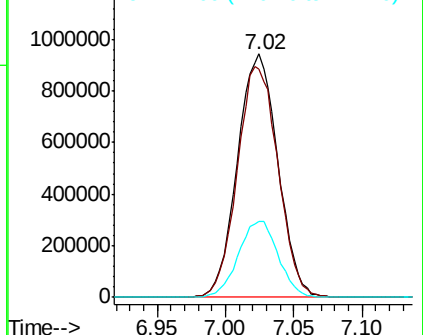


Abundance

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: 9.970 ppbv

RT: 6.90 min Scan# 1278

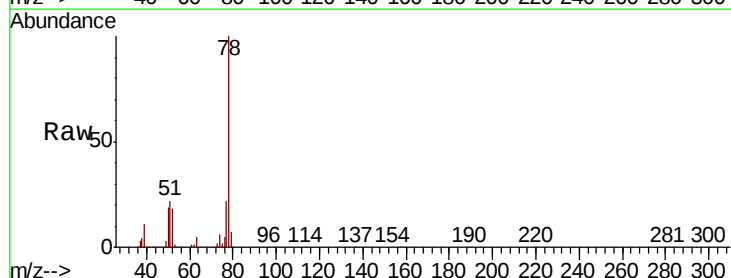
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion: 78 Resp: 2391103

Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.8	26.6
50	19.2	16.2	24.2

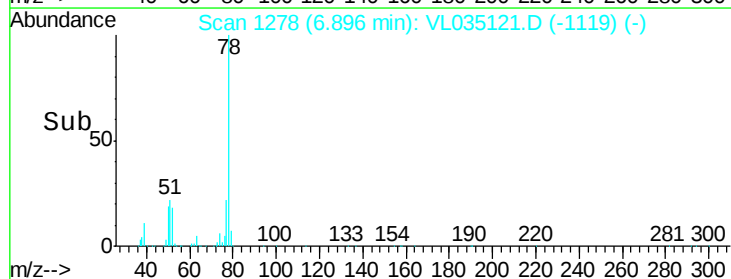
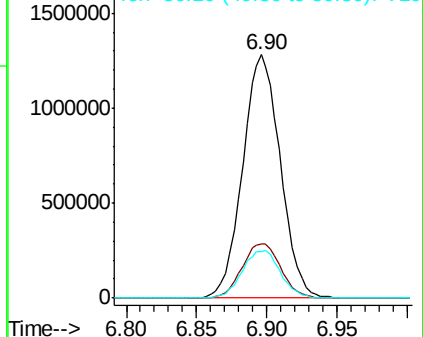


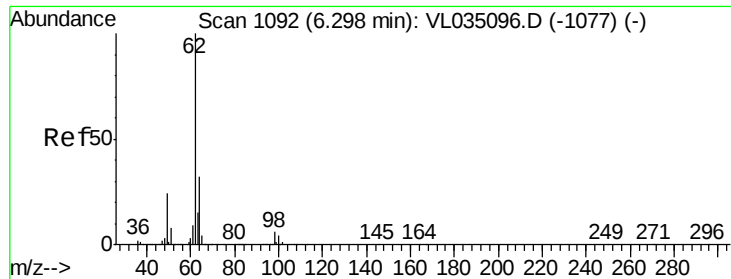
Abundance

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

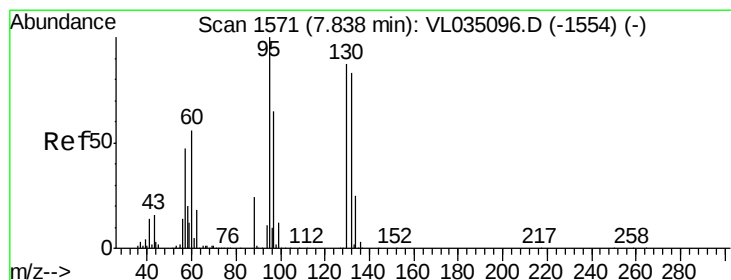
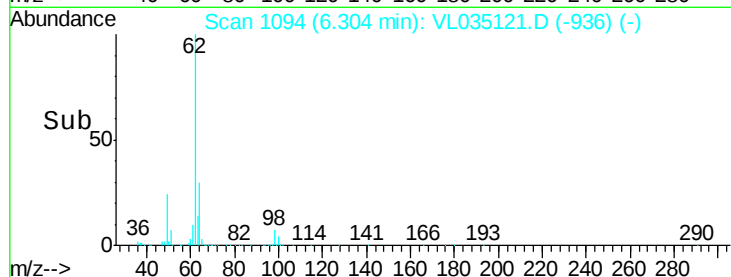
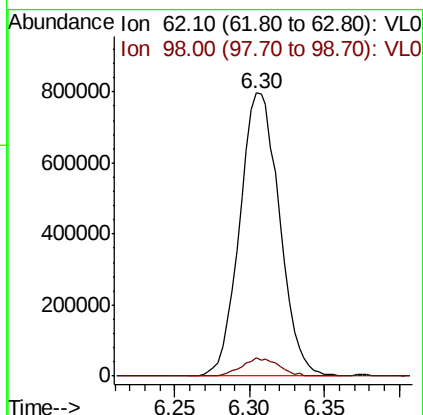
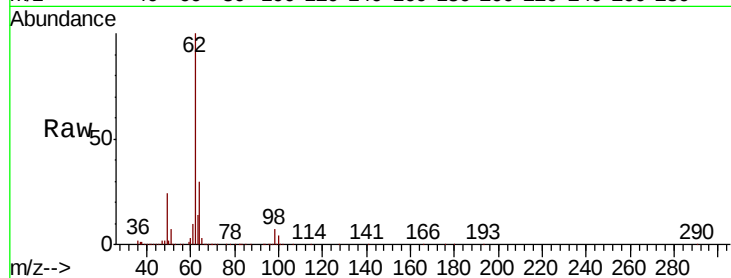




#37
 1,2-Dichloroethane
 Concen: 9.728 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

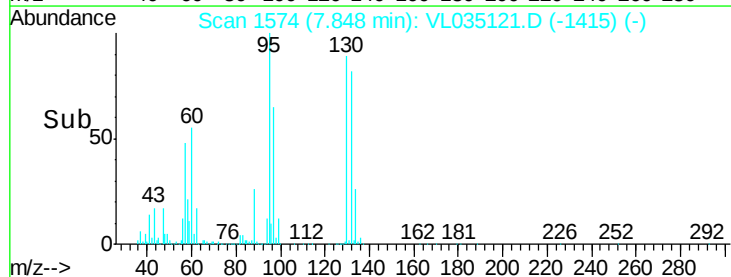
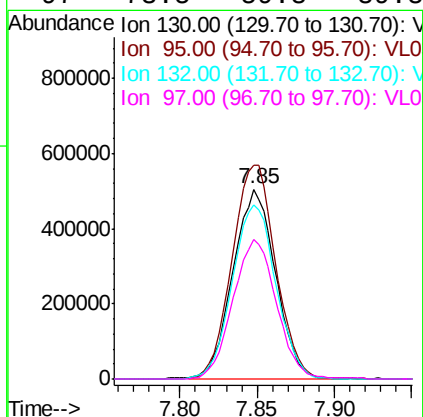
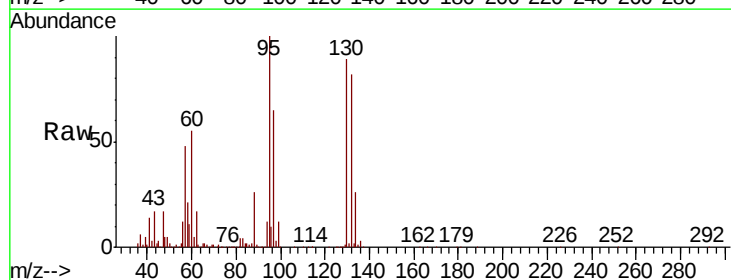
Instrument :
 MSVOA_L
 ClientSampleId :

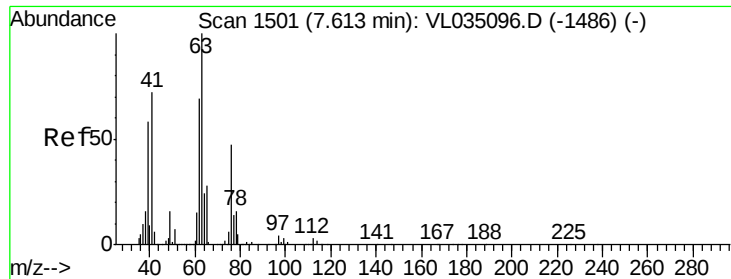
Tot Ion: 62 Resp: 1474544
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.8 7.2



#38
 Trichloroethene
 Concen: 10.291 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion:130 Resp: 958666
 Ion Ratio Lower Upper
 130 100
 95 112.3 91.4 137.2
 132 92.0 75.8 113.6
 97 73.5 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.083 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

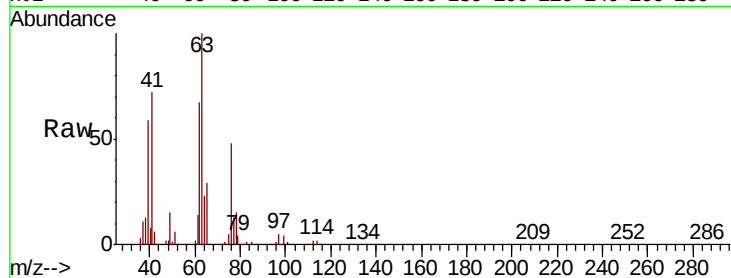
Tot Ion: 63 Resp: 945764

Ion Ratio Lower Upper

63 100

41 71.6 58.0 87.0

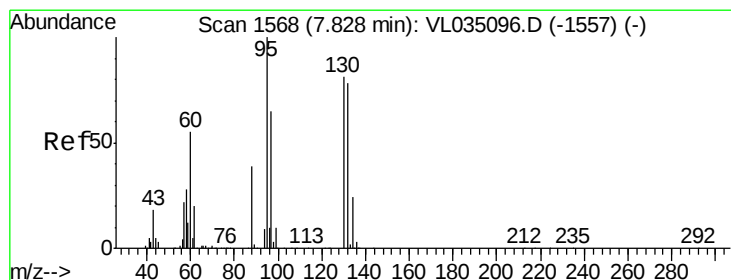
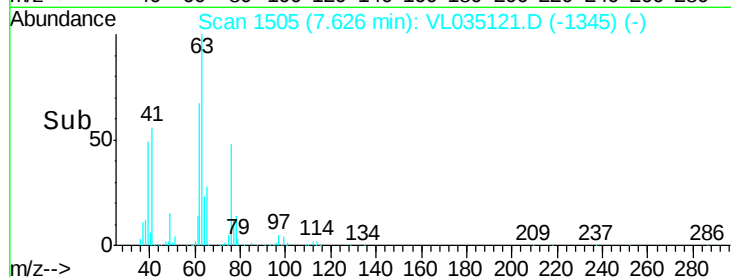
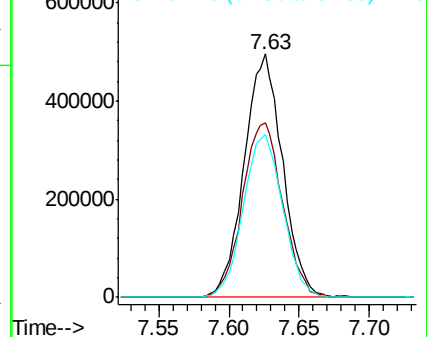
62 67.0 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.377 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion: 88 Resp: 346942

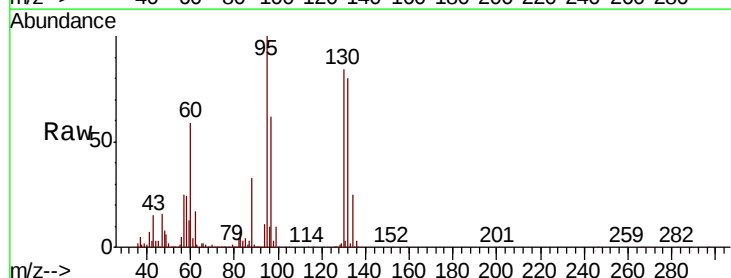
Ion Ratio Lower Upper

88 100

58 136.1 110.2 165.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0

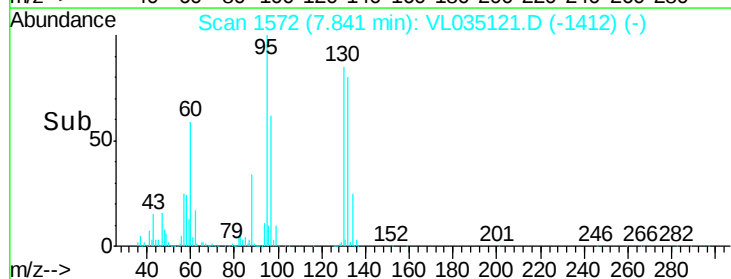
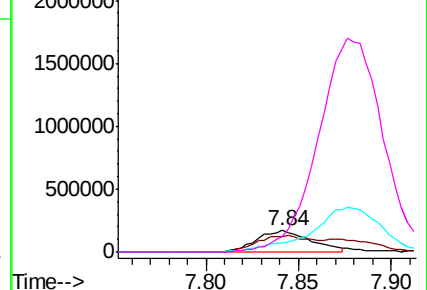


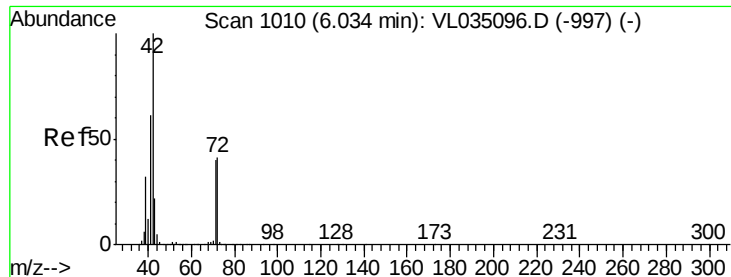
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.418 ppbv

RT: 6.04 min Scan# 1012

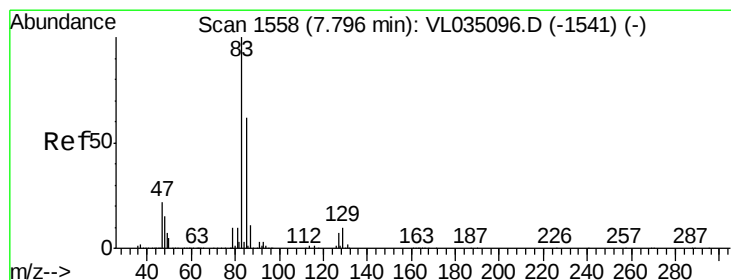
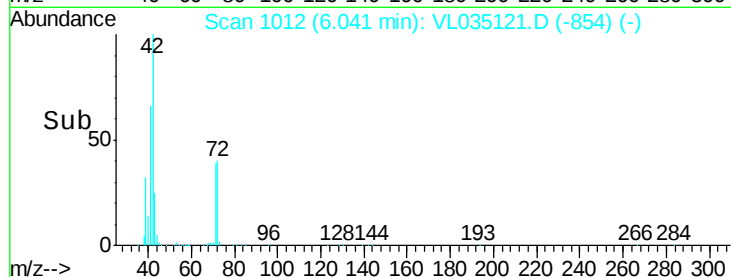
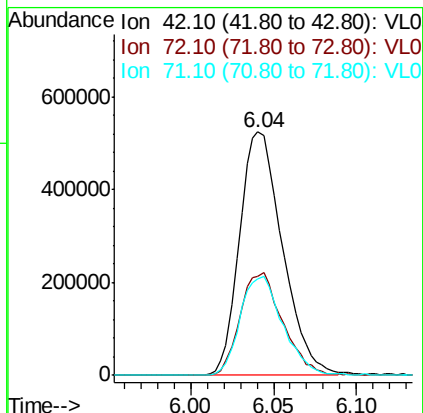
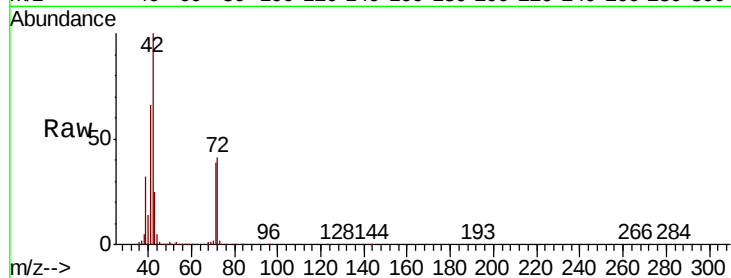
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	42	Resp:	946460
Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.4	50.2
71	40.6	31.8	47.6



#42

Bromodichloromethane

Concen: 10.466 ppbv

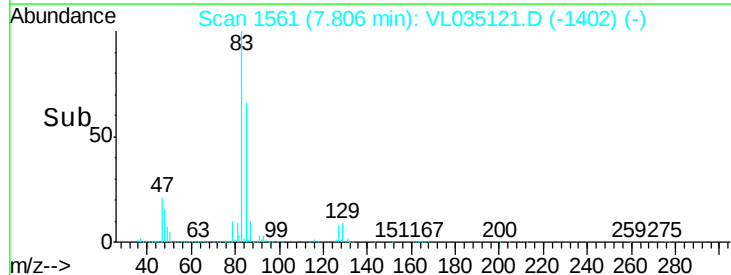
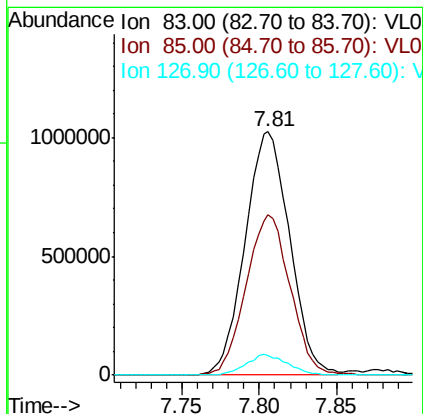
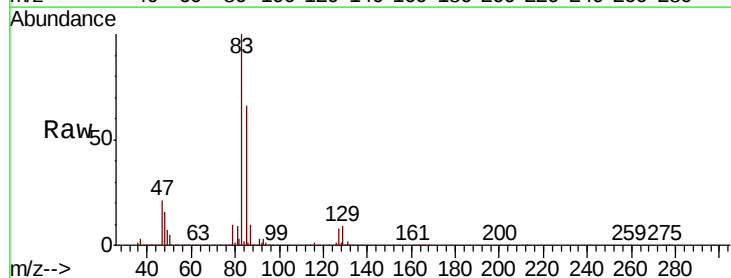
RT: 7.81 min Scan# 1561

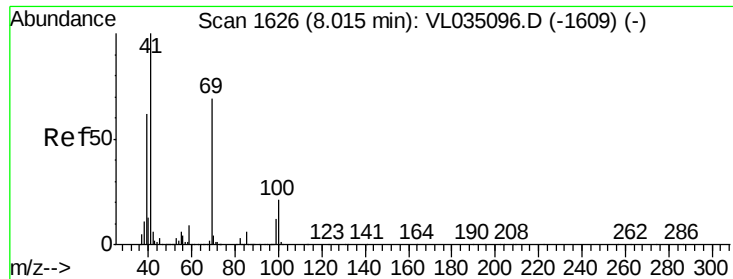
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:	83	Resp:	2054561
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.4	74.0
127	8.1	5.9	8.9





#43

Methvl Methacrvlate

Concen: 10.817 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

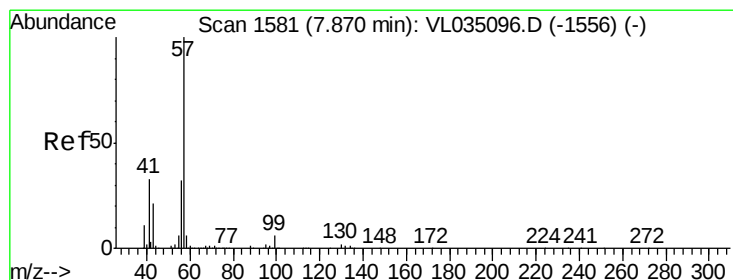
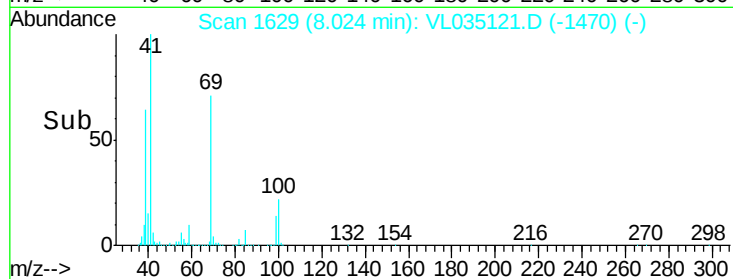
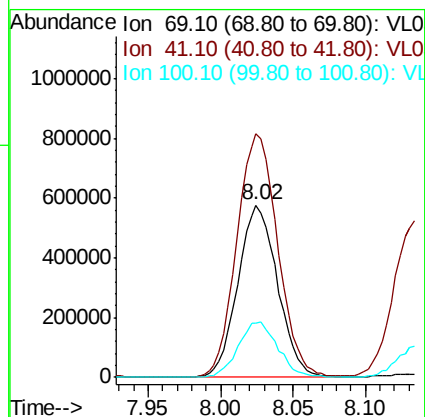
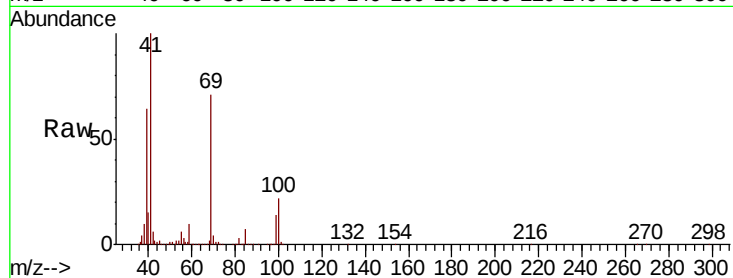
Tot Ion: 69 Resp: 1098078

Ion Ratio Lower Upper

69 100

41 145.7 116.4 174.6

100 32.0 25.3 37.9



#44

2,2,4-Trimethylpentane

Concen: 9.740 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

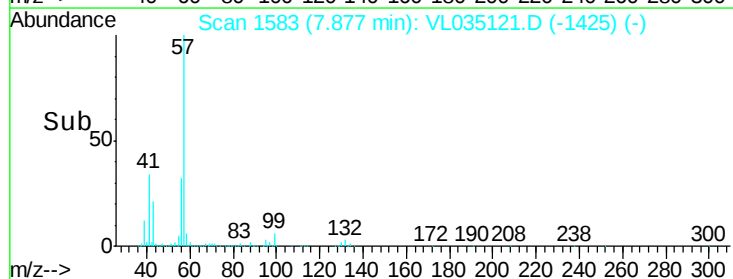
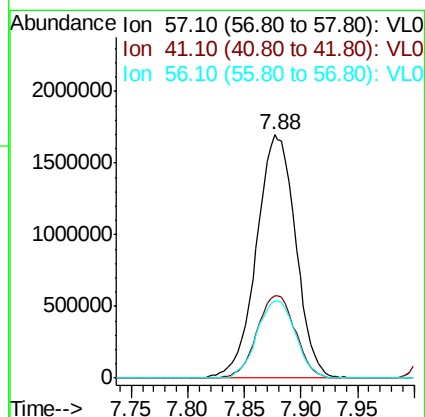
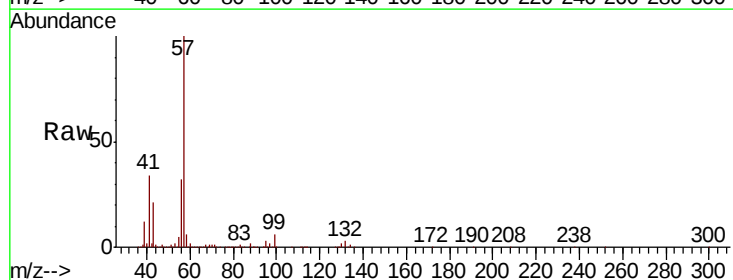
Tgt Ion: 57 Resp: 4077170

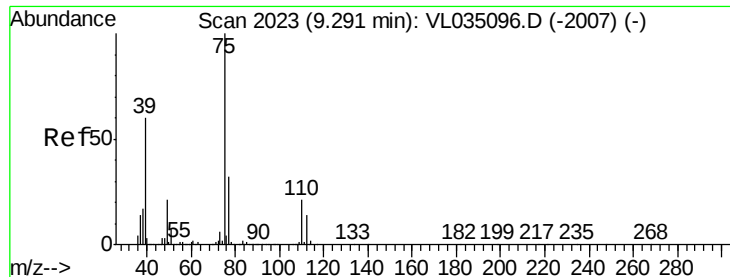
Ion Ratio Lower Upper

57 100

41 33.4 26.2 39.2

56 31.5 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.731 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

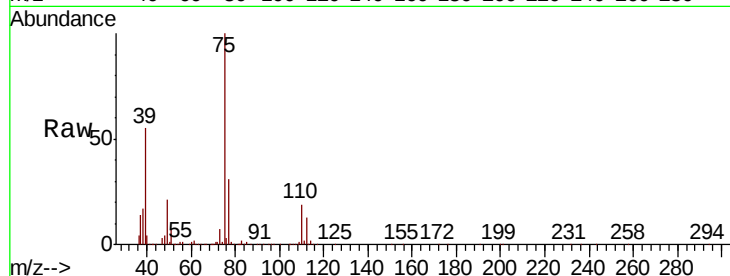
ClientSampleId :

Tot Ion: 75 Resp: 1257745

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

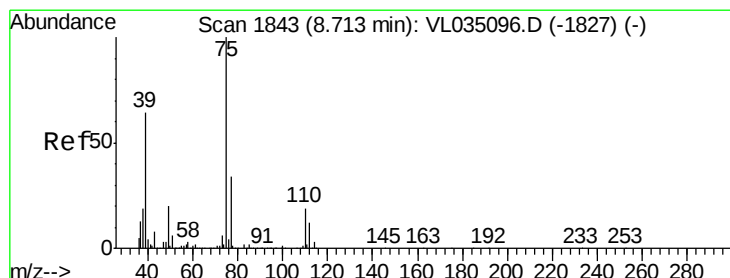
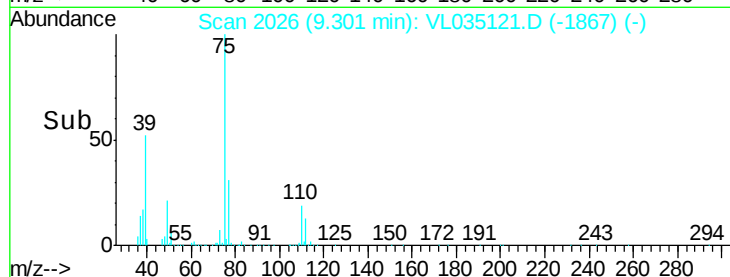
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.949 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

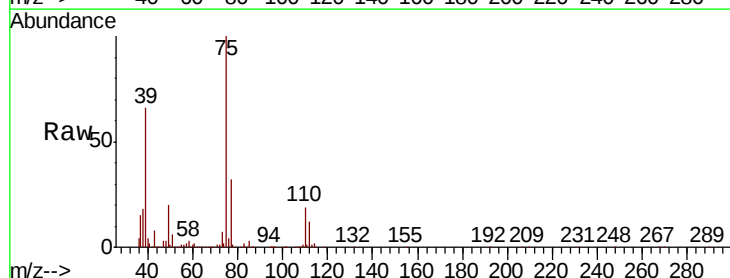
Tgt Ion: 75 Resp: 1466483

Ion Ratio Lower Upper

75 100

39 65.8 51.1 76.7

77 31.6 26.9 40.3



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

8.72

1000000

800000

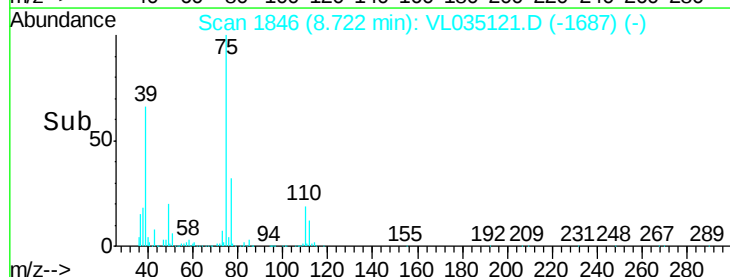
600000

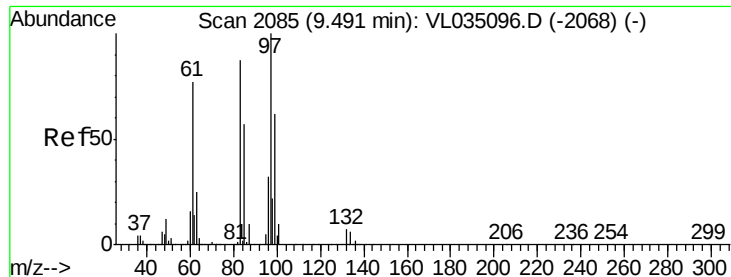
400000

200000

0

Time-->

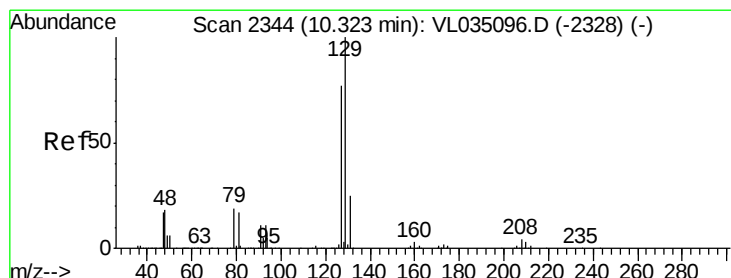
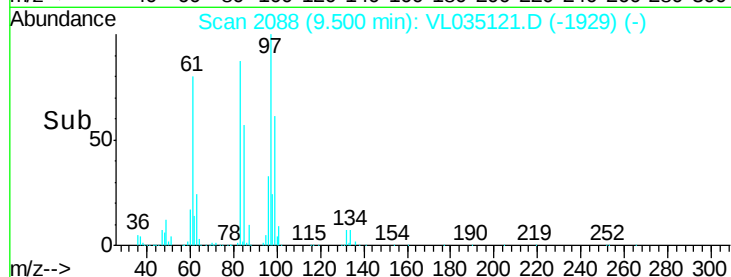
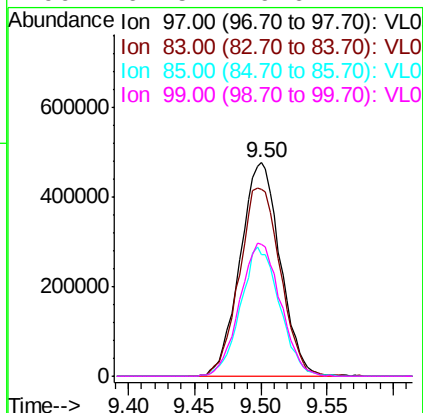
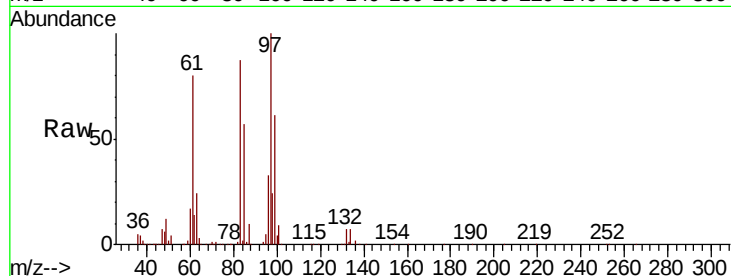




#47
 1,1,2-Trichloroethane
 Concen: 9.756 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

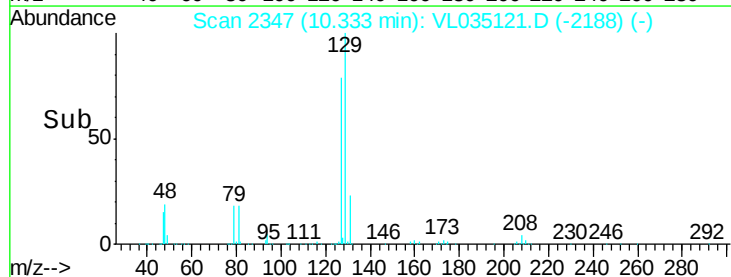
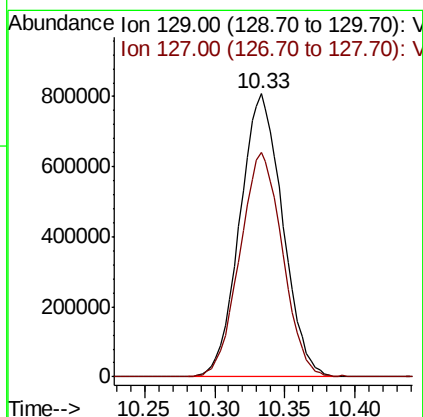
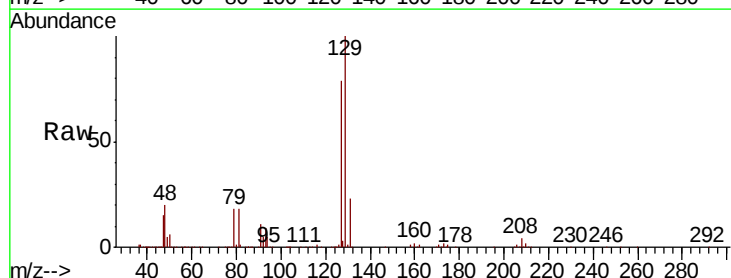
Instrument :
 MSVOA_L
 ClientSampleId :

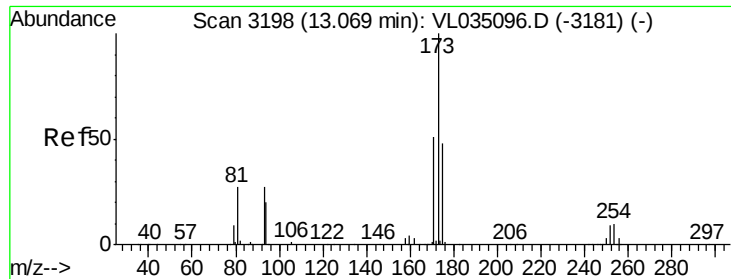
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.5	104.3
85	57.0	46.0	69.0
99	61.5	49.6	74.4



#48
 Dibromochloromethane
 Concen: 11.202 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.3	117.8





#49

Bromoform

Concen: 11.473 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampled :

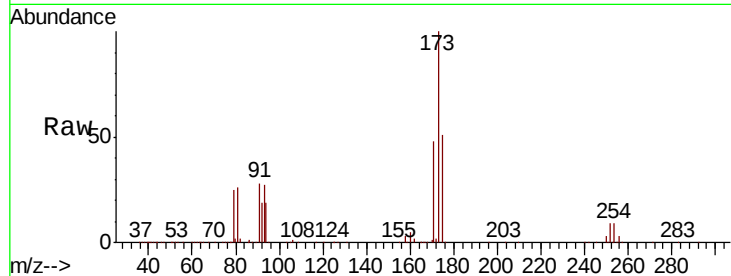
Tot Ion:173 Resp: 1487521

Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

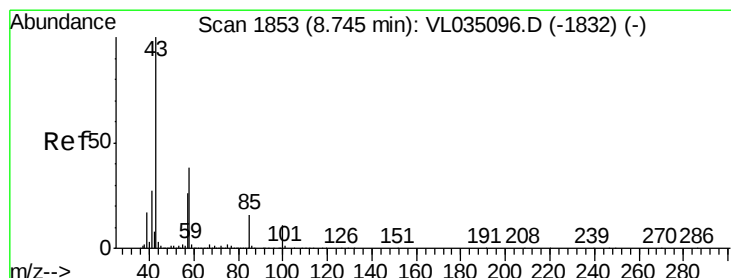
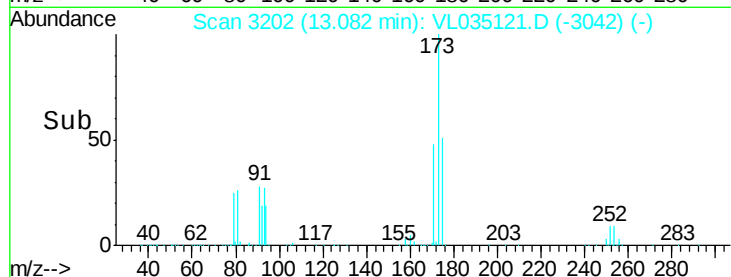
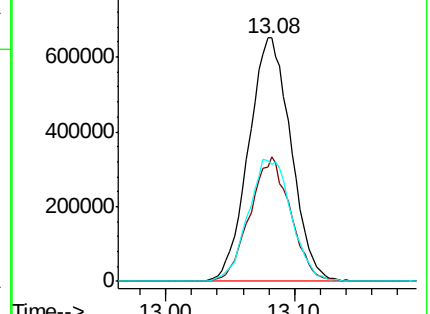
171 50.9 41.7 62.5



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: 10.138 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL035121.D

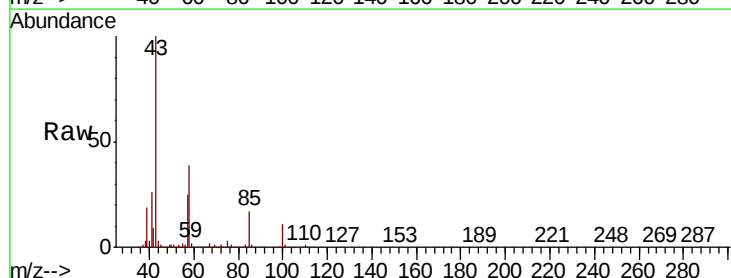
Acq: 30 Jun 2020 9:36

Tgt Ion: 43 Resp: 2561914

Ion Ratio Lower Upper

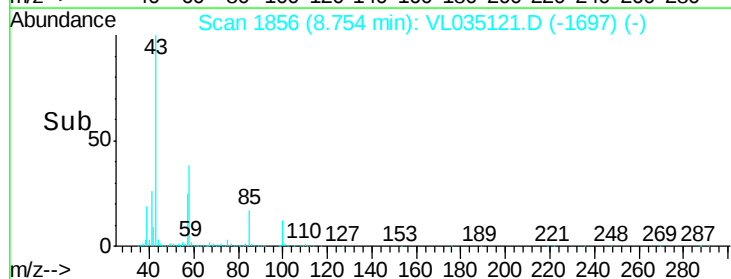
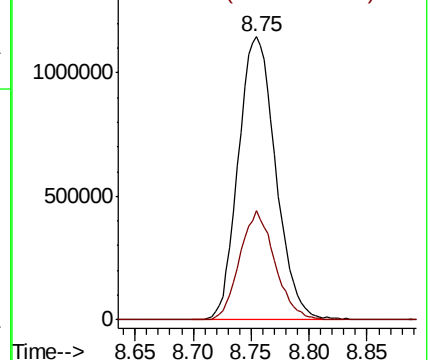
43 100

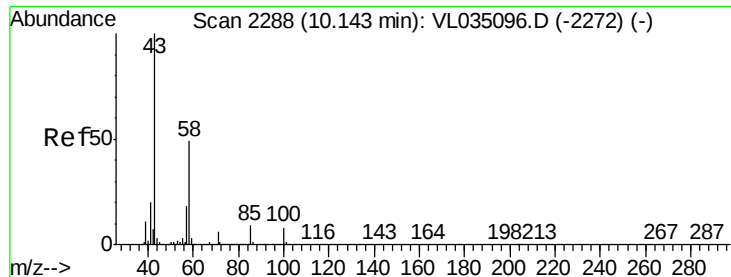
58 36.4 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

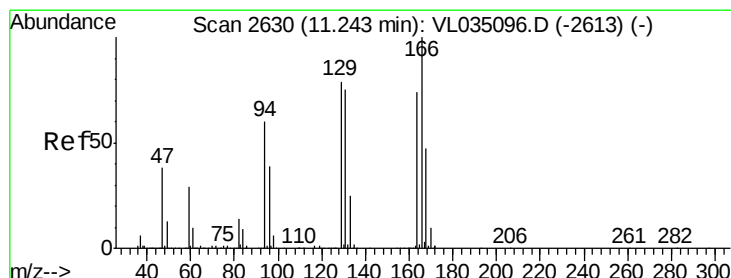
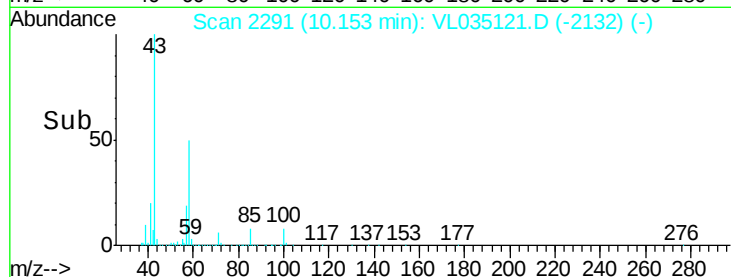
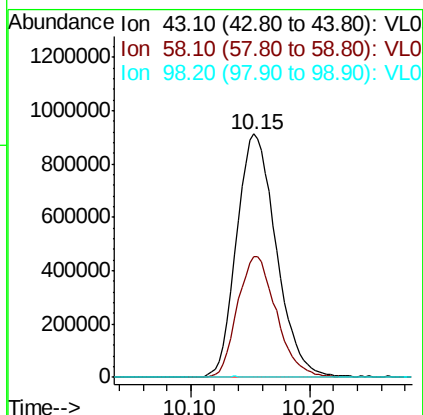
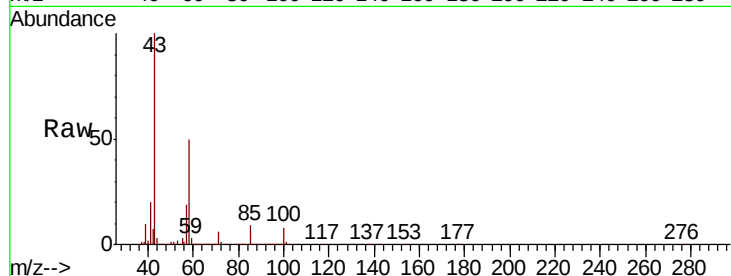




#51
2-Hexanone
Concen: 10.614 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

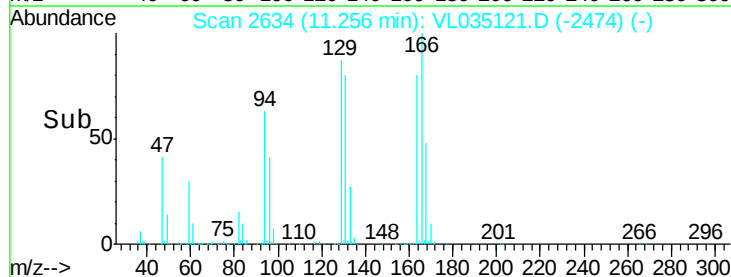
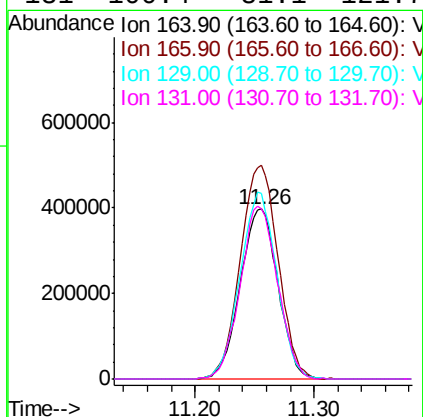
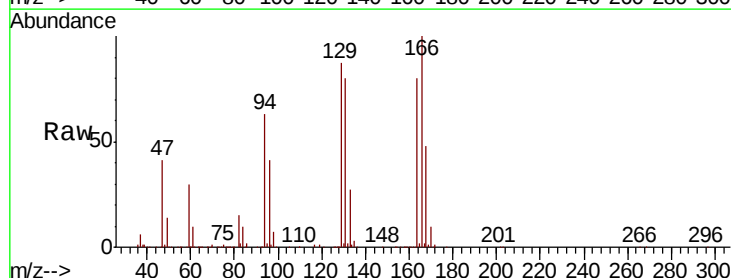
Instrument :
MSVOA_L
ClientSampleId :

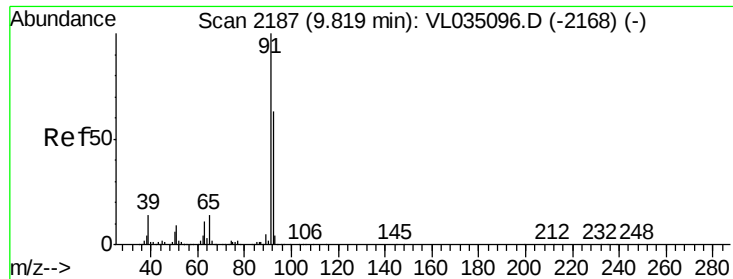
Tot Ion: 43 Resp: 2100641
Ion Ratio Lower Upper
43 100
58 49.1 39.2 58.8
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.343 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 164 Resp: 874082
Ion Ratio Lower Upper
164 100
166 125.5 107.5 161.3
129 109.4 84.9 127.3
131 100.4 81.1 121.7





#53

Toluene

Concen: 10.906 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

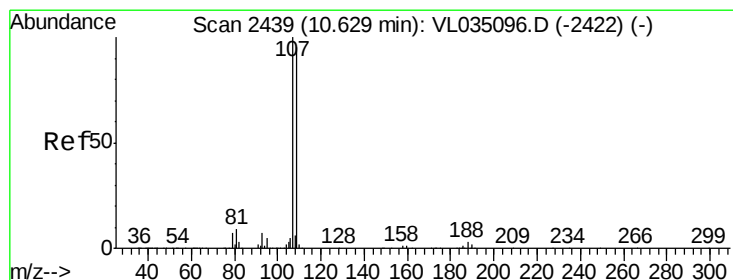
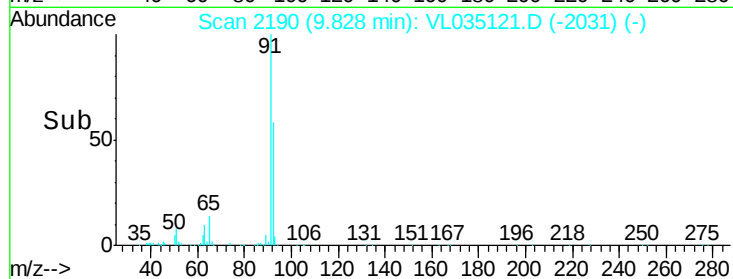
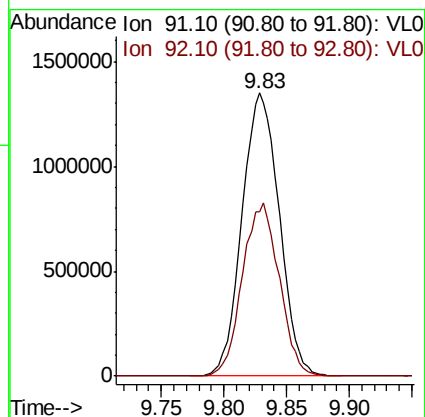
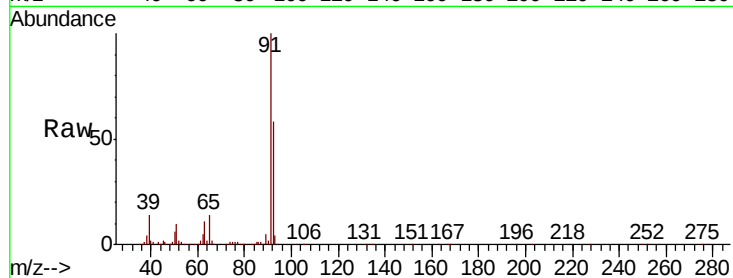
ClientSampleId :

Tot Ion: 91 Resp: 2789974

Ion Ratio Lower Upper

91 100

92 60.4 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.160 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035121.D

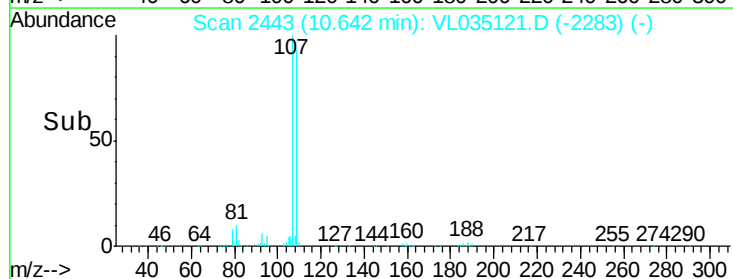
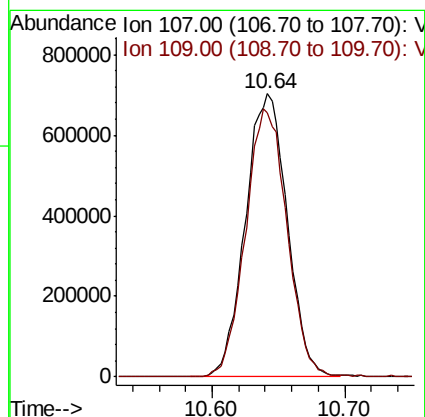
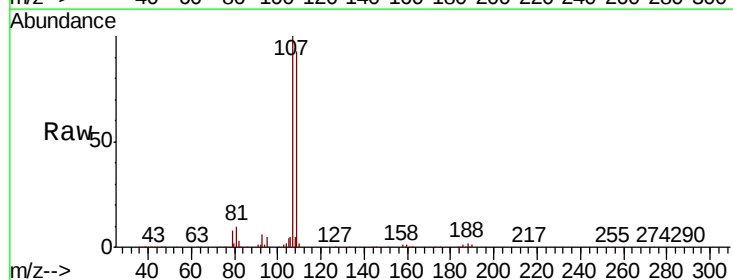
Acq: 30 Jun 2020 9:36

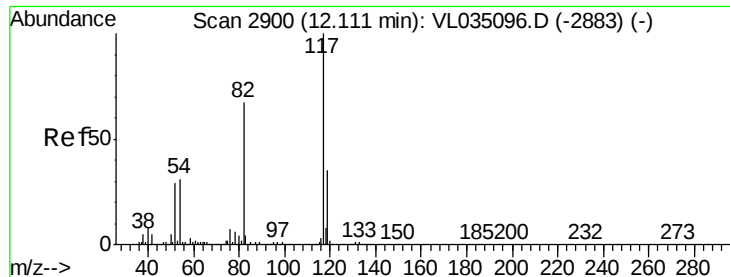
Tgt Ion: 107 Resp: 1540019

Ion Ratio Lower Upper

107 100

109 93.4 75.9 113.9

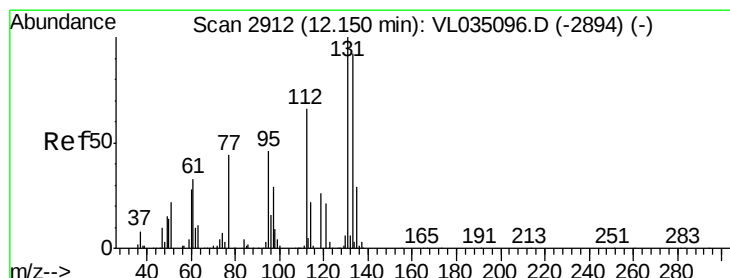
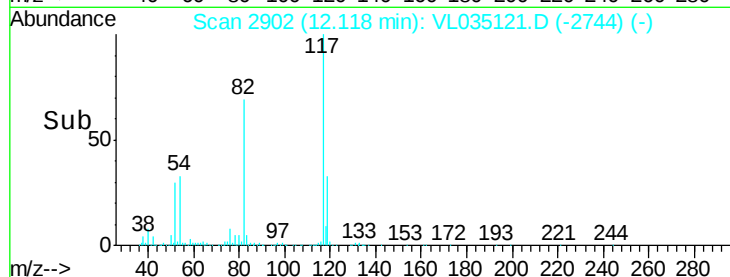
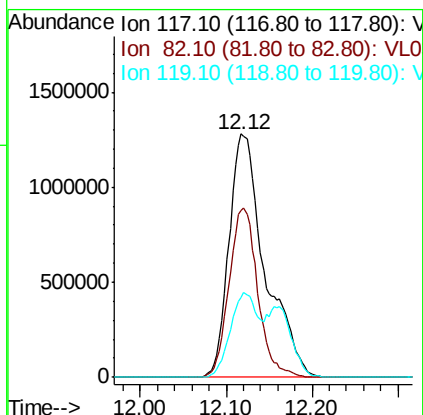
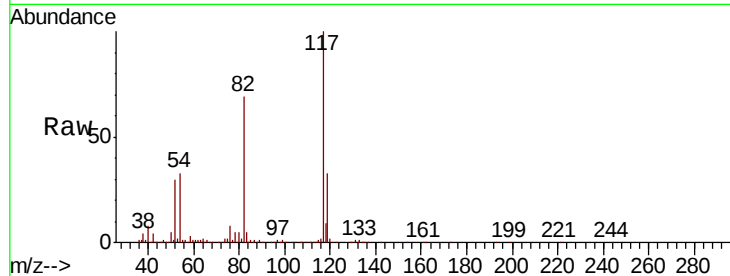




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

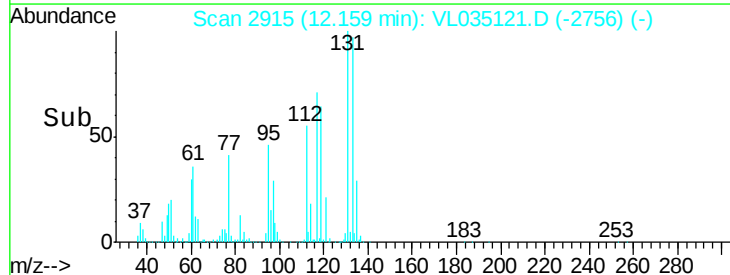
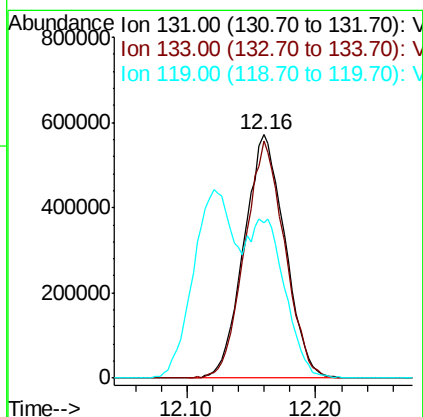
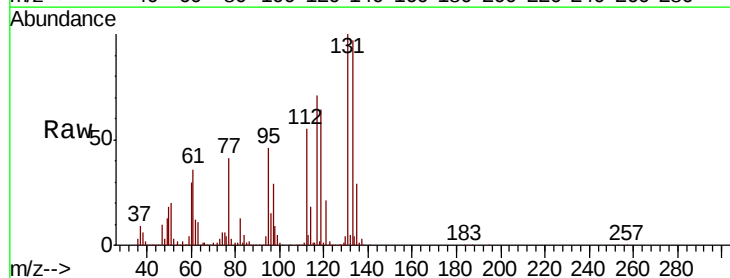
Instrument :
MSVOA_L
ClientSampleId :

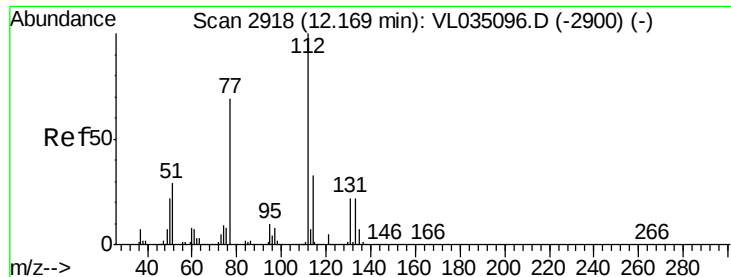
Tot Ion:117 Resp: 3727714
Ion Ratio Lower Upper
117 100
82 55.5 50.4 75.6
119 29.0 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.283 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion:131 Resp: 1263671
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 54.0 114.6 172.0#

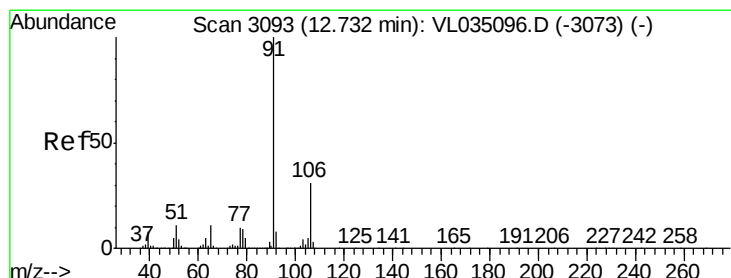
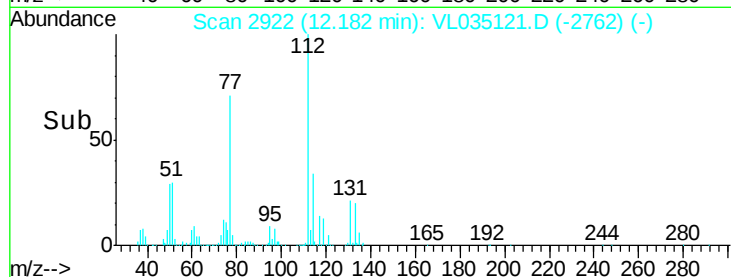
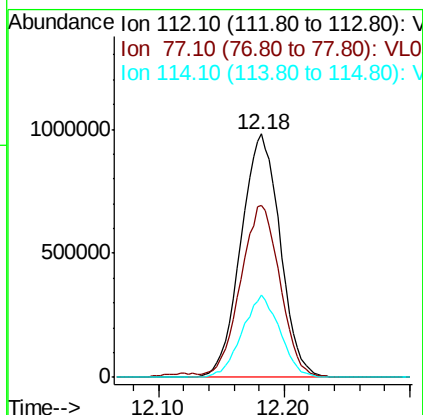
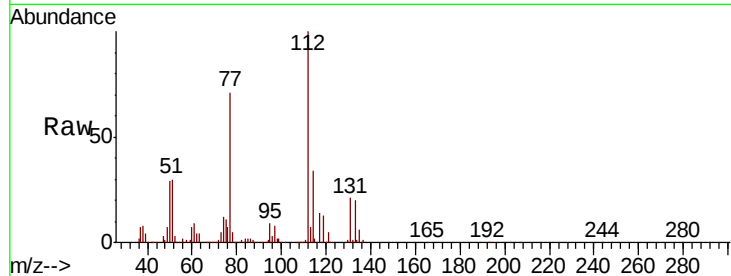




#57
Chlorobenzene
Concen: 7.736 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

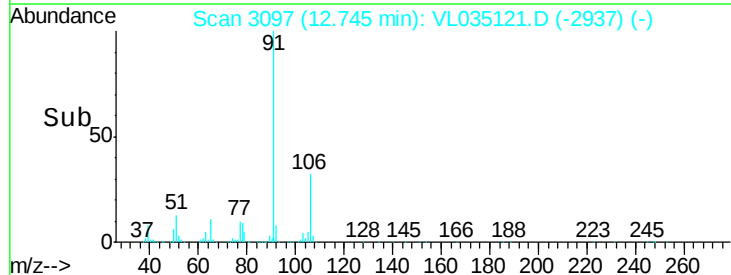
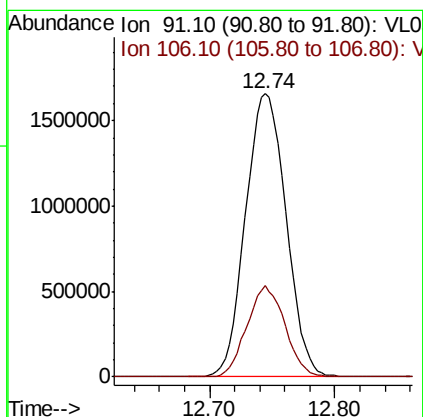
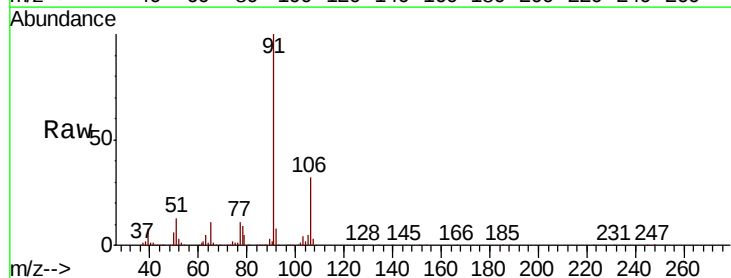
Instrument :
MSVOA_L
ClientSampled :

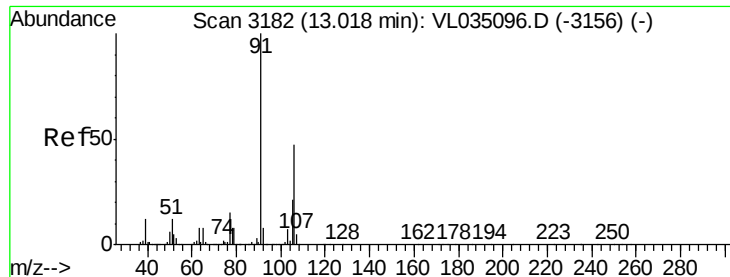
Tot Ion:112 Resp: 2122024
Ion Ratio Lower Upper
112 100
77 70.5 56.7 85.1
114 33.7 29.3 35.9



#58
Ethyl Benzene
Concen: 8.916 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 91 Resp: 3734552
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6





#59

m/p-Xylene

Concen: 3.114 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

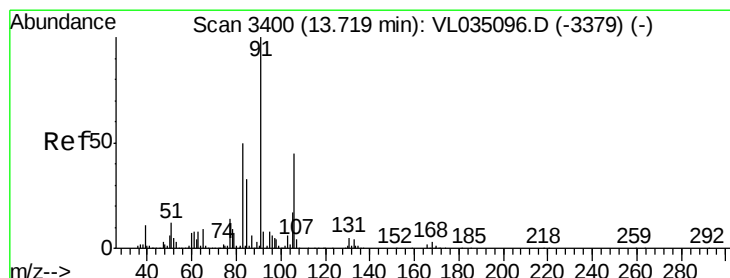
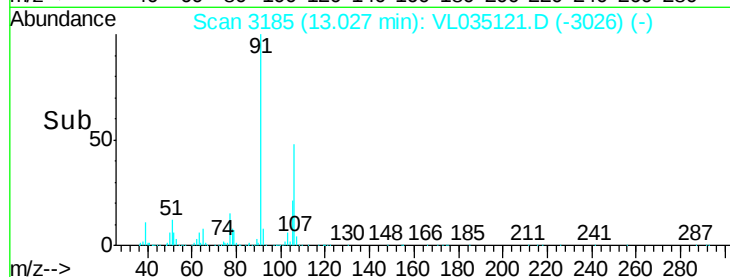
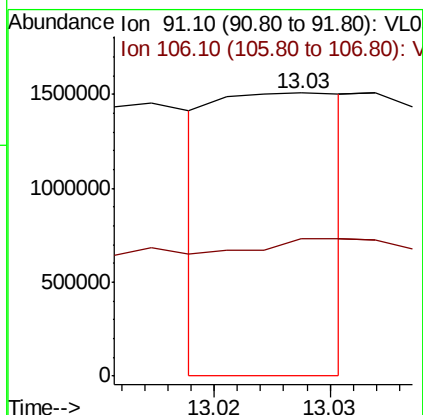
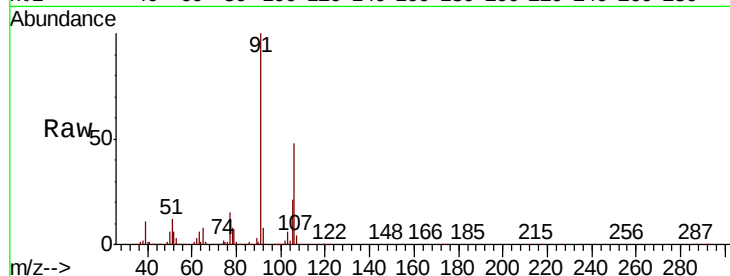
ClientSampleId :

Tot Ion: 91 Resp: 1156026

Ion Ratio Lower Upper

91 100

106 0.0 36.5 54.7#



#60

o-Xylene

Concen: 8.245 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. 0.01 min

Lab File: VL035121.D

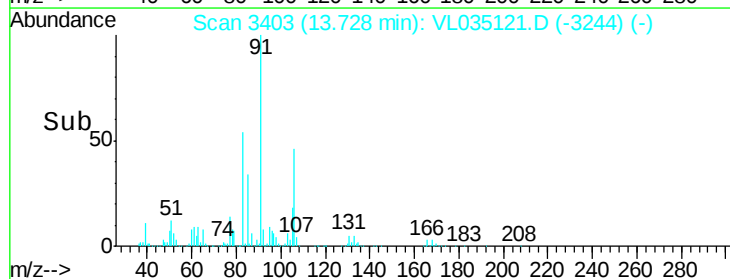
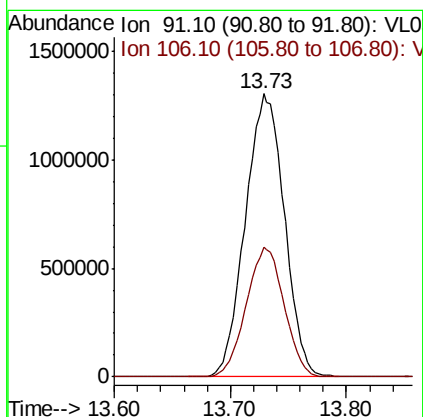
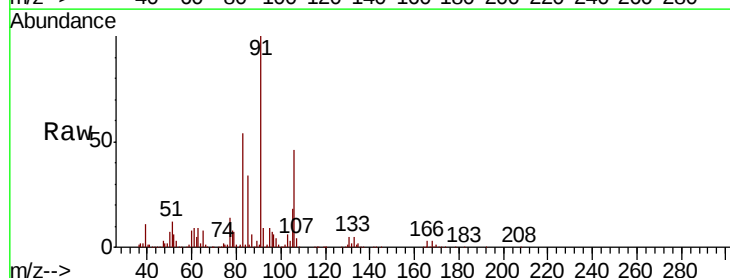
Acq: 30 Jun 2020 9:36

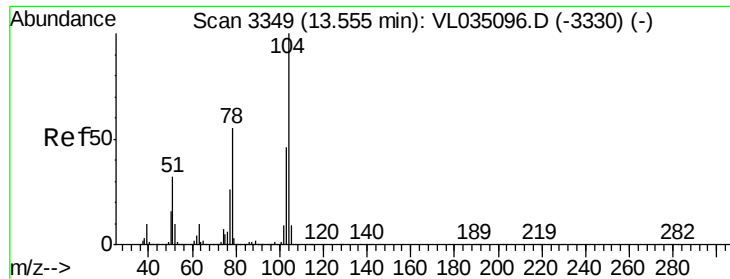
Tgt Ion: 91 Resp: 3046972

Ion Ratio Lower Upper

91 100

106 44.6 22.1 66.5





#61

Stvrene

Concen: 9.443 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

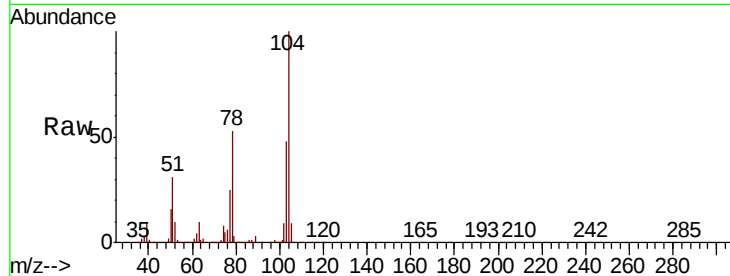
Tot Ion:104 Resp: 2195959

Ion Ratio Lower Upper

104 100

78 54.1 43.4 65.0

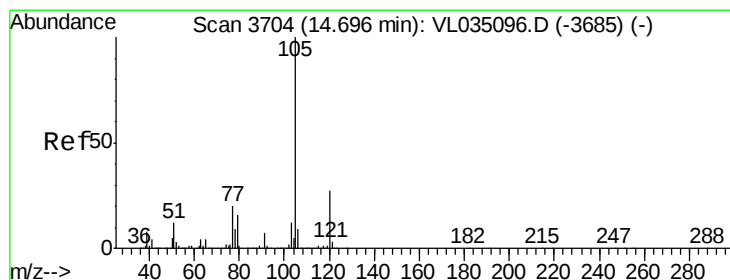
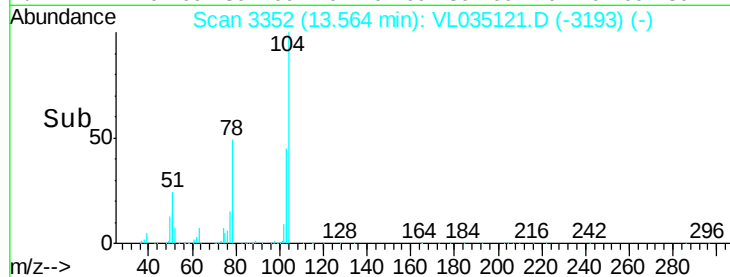
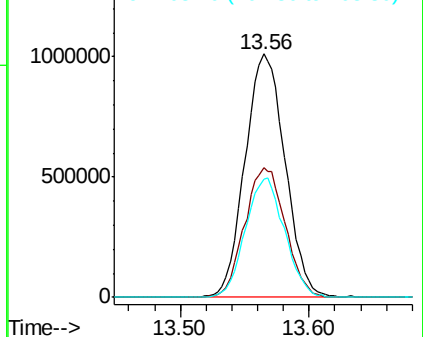
103 48.0 38.3 57.5



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: 8.097 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.01 min

Lab File: VL035121.D

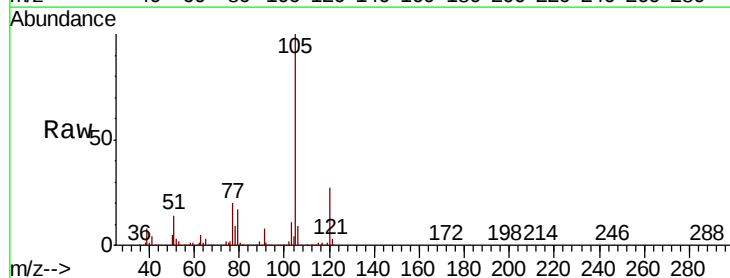
Acq: 30 Jun 2020 9:36

Tgt Ion:105 Resp: 4465057

Ion Ratio Lower Upper

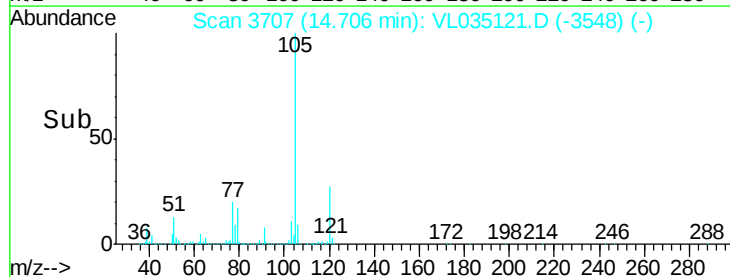
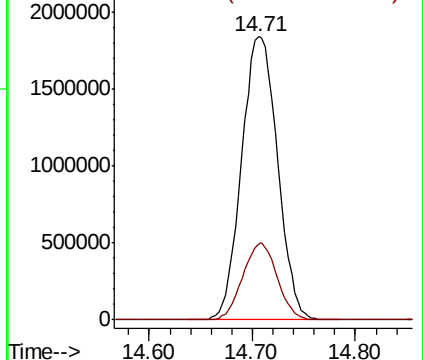
105 100

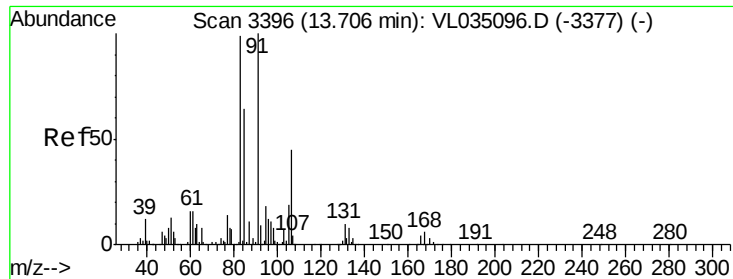
120 25.9 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

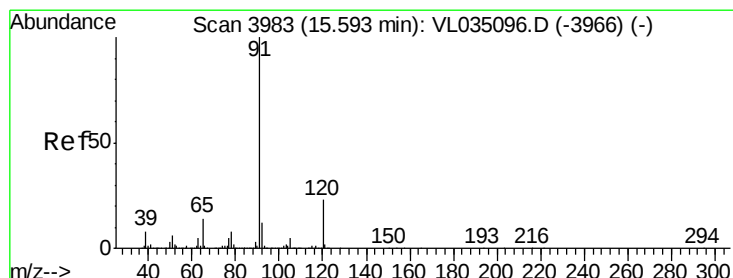
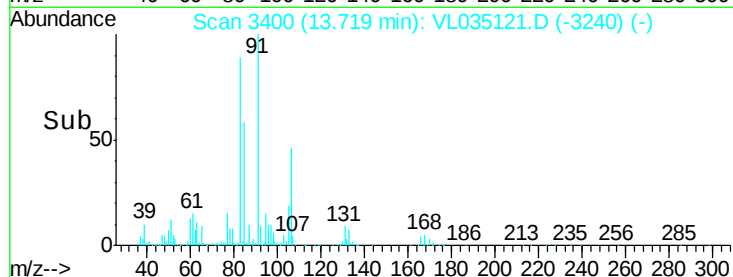
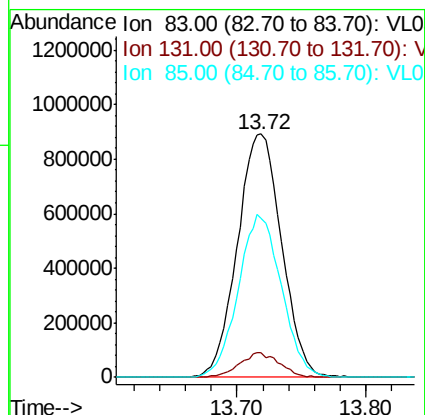
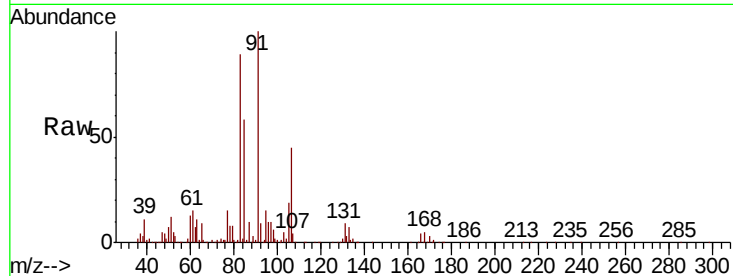




#63
1,1,2,2-Tetrachloroethane
Concen: 7.088 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

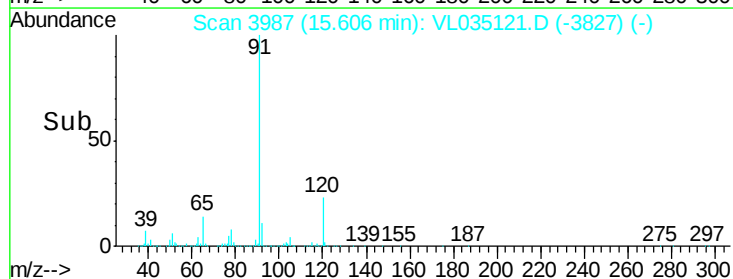
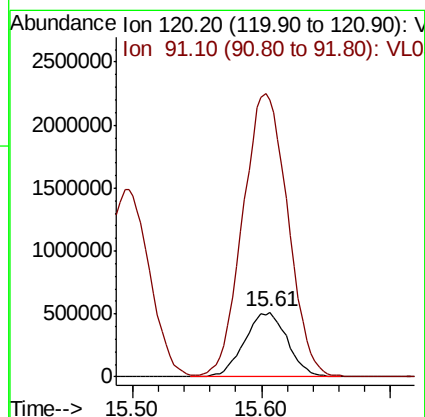
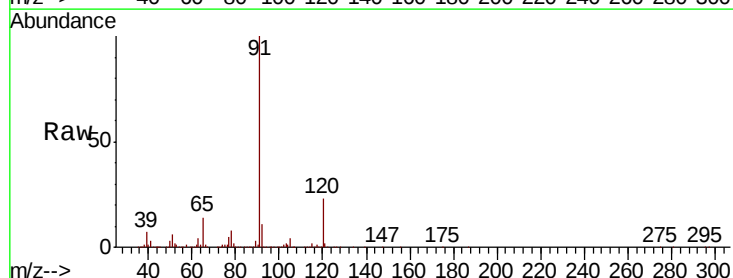
Instrument :
MSVOA_L
ClientSampleId :

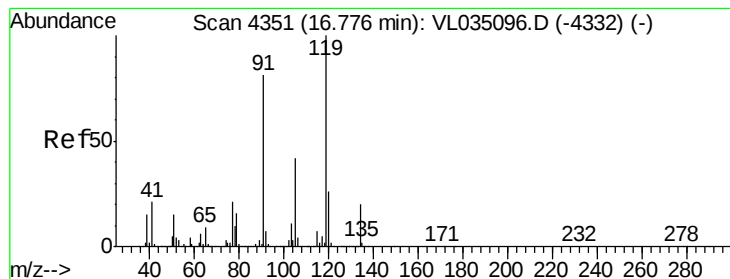
Tot Ion: 83 Resp: 2121390
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 65.6 32.4 97.0



#64
n-propylbenzene
Concen: 8.418 ppbv
RT: 15.61 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion:120 Resp: 1184674
Ion Ratio Lower Upper
120 100
91 463.5 367.9 551.9





#65

tert-Butylbenzene

Concen: 8.240 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

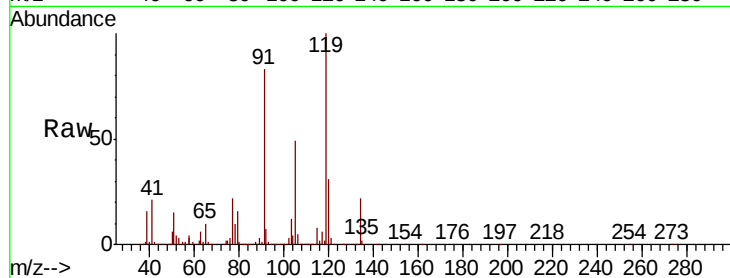
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 119 Resp: 3890929

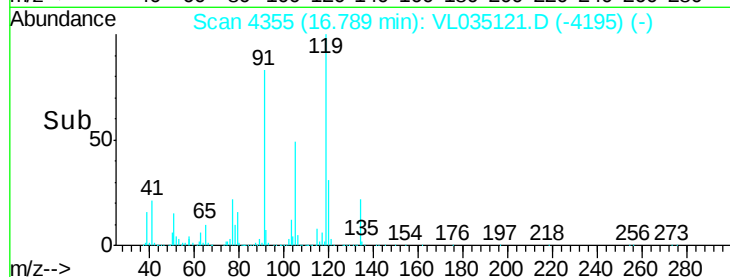
Ion	Ratio	Lower	Upper
119	100		
91	84.4	67.6	101.4
134	20.0	15.7	23.5



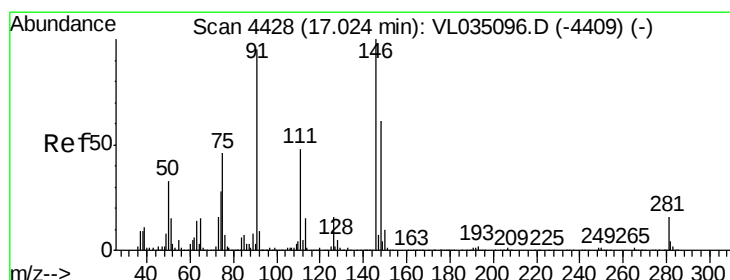
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time-->



#66

Benzyl Chloride

Concen: 11.139 ppbv

RT: 17.03 min Scan# 4431

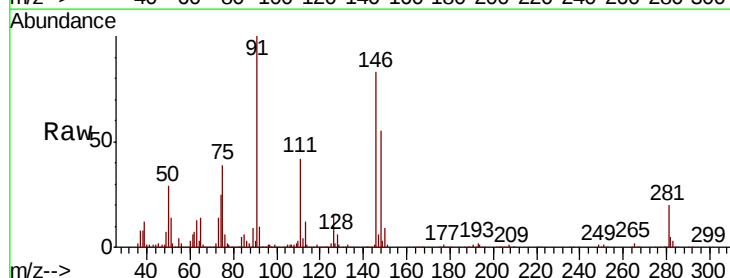
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion: 91 Resp: 1624747

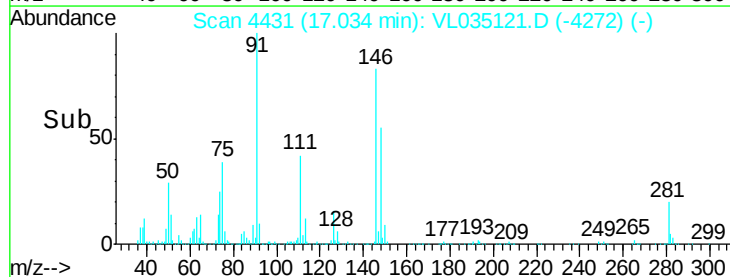
Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.4	4.3	6.5



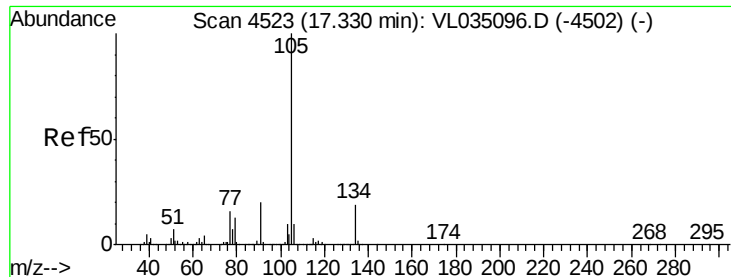
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



Time-->



#67

sec-Butylbenzene

Concen: 8.039 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

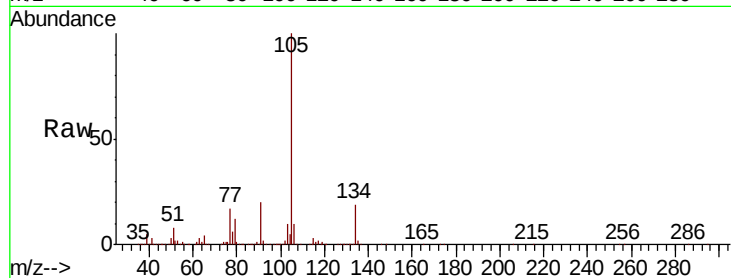
ClientSampled :

Tot Ion:105 Resp: 5440765

Ion Ratio Lower Upper

105 100

134 18.6 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

2500000 Ion 134.20 (133.90 to 134.90): V

2000000

1500000

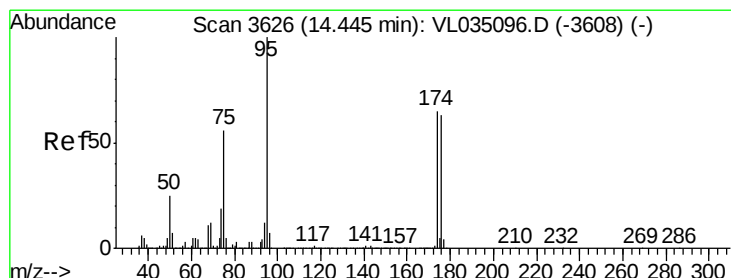
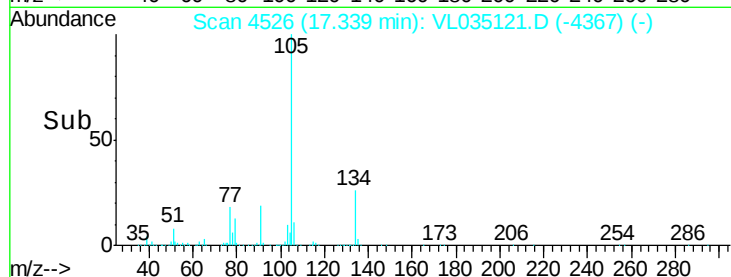
1000000

500000

0

17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.143 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

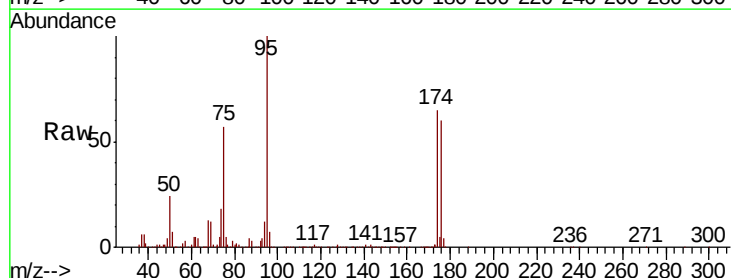
Tgt Ion: 95 Resp: 2521529

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.2

175 4.8 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

1500000 Ion 174.00 (173.70 to 174.70): V

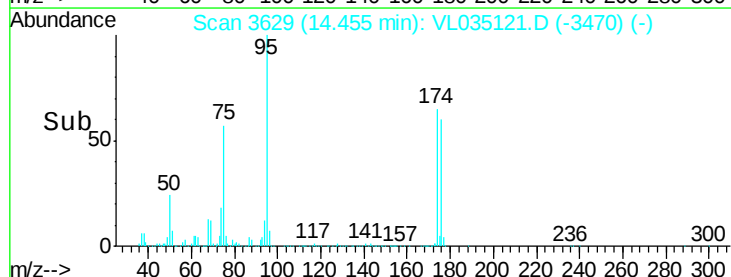
1000000 Ion 175.00 (174.70 to 175.70): V

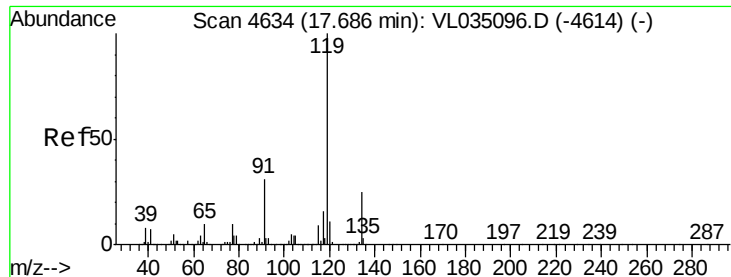
500000

0

14.40 14.50

Time-->





#69

p-Isopropyltoluene

Concen: 8.366 ppbv

RT: 17.70 min Scan# 4638

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

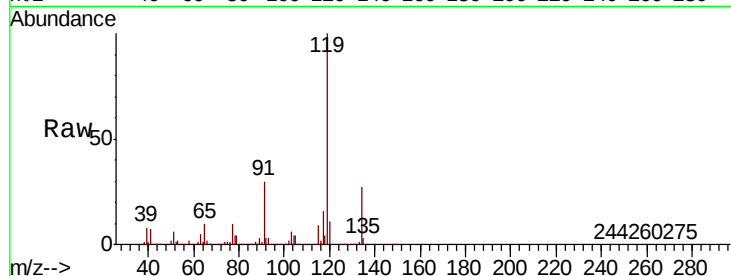
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 4516287

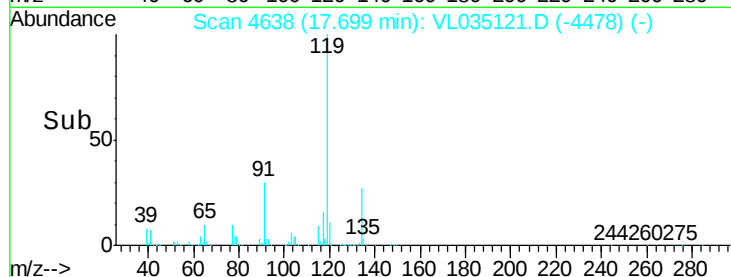
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	30.7	24.5	36.7



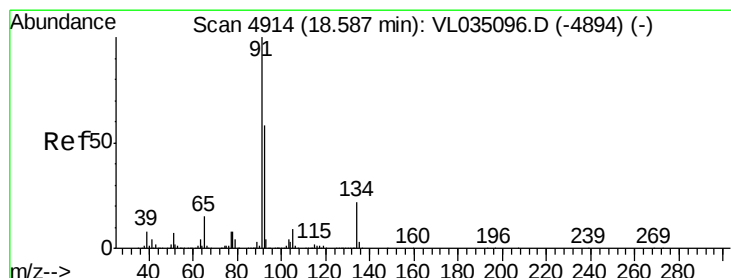
Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



Time-->



#70

n-Butylbenzene

Concen: 8.053 ppbv

RT: 18.60 min Scan# 4917

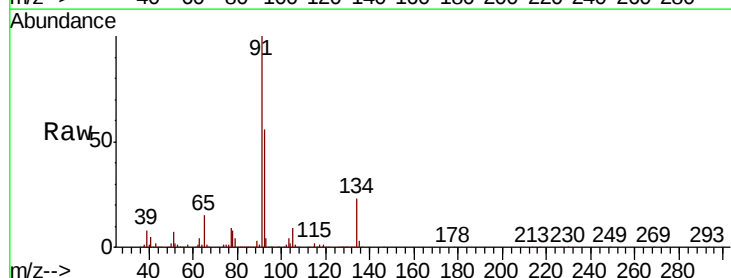
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion: 91 Resp: 4682794

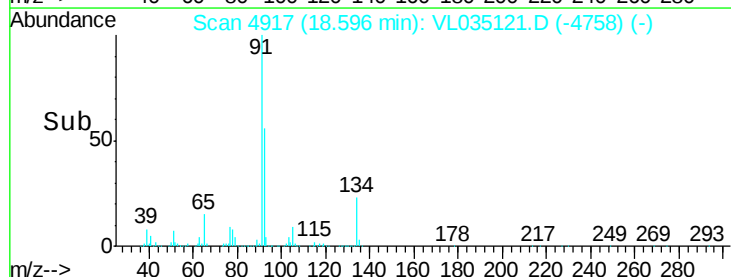
Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.4	66.6
134	22.6	18.0	27.0



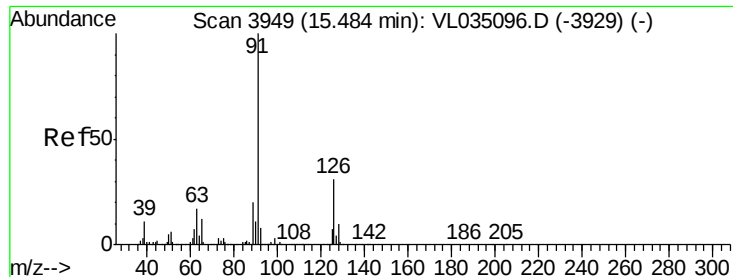
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



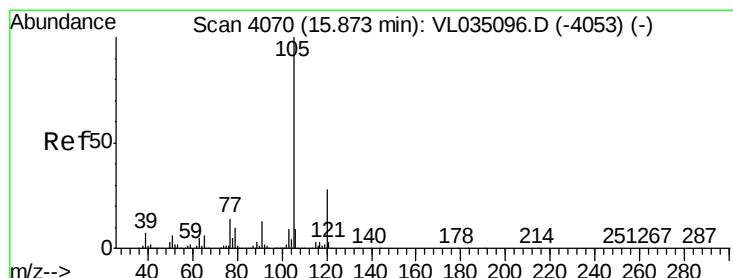
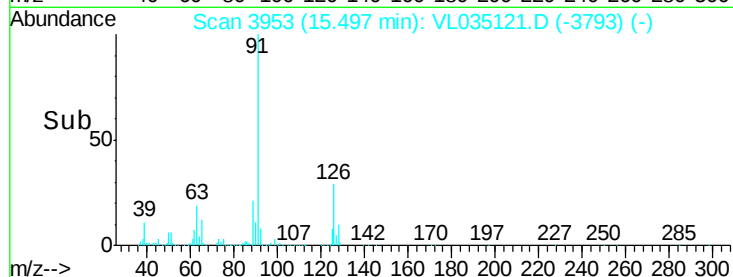
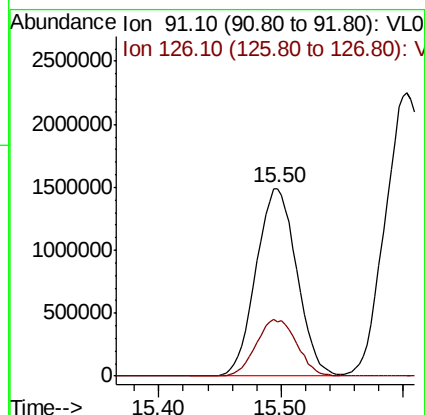
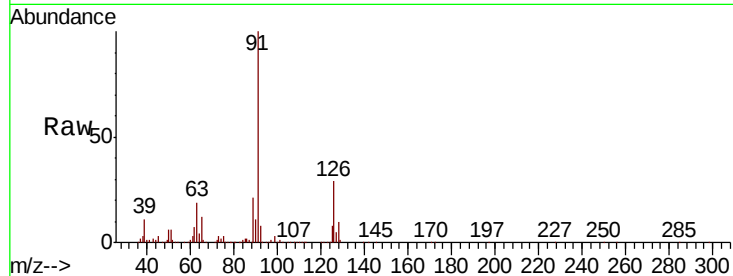
Time-->



#71
2-Chlorotoluene
Concen: 8.273 ppbv
RT: 15.50 min Scan# 3953
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

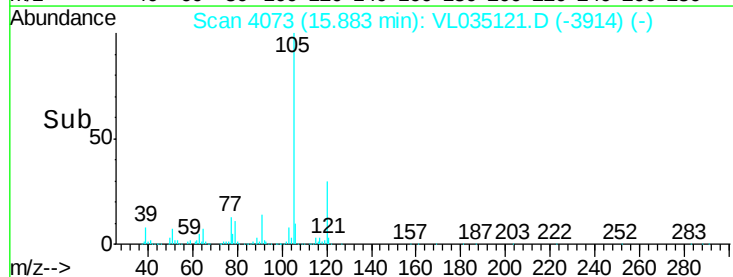
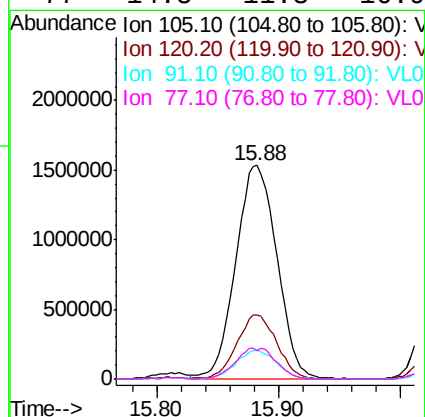
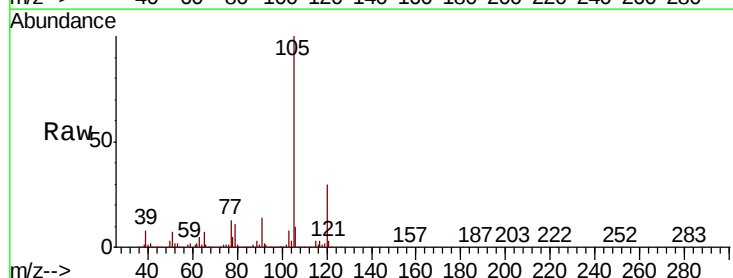
Instrument :
MSVOA_L
ClientSampled :

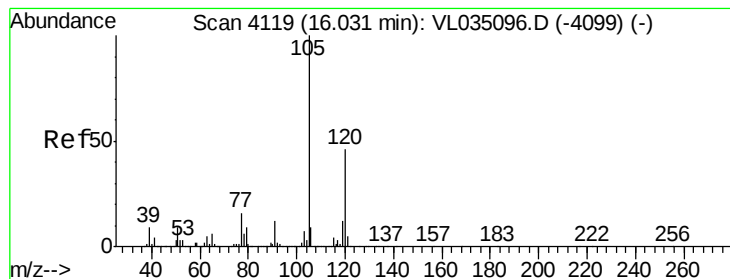
Tot Ion: 91 Resp: 3448219
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.0



#72
4-Ethyltoluene
Concen: 8.677 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. 0.01 min
Lab File: VL035121.D
Acq: 30 Jun 2020 9:36

Tgt Ion: 105 Resp: 3566960
Ion Ratio Lower Upper
105 100
120 30.2 23.4 35.0
91 13.6 10.6 16.0
77 14.5 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.478 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

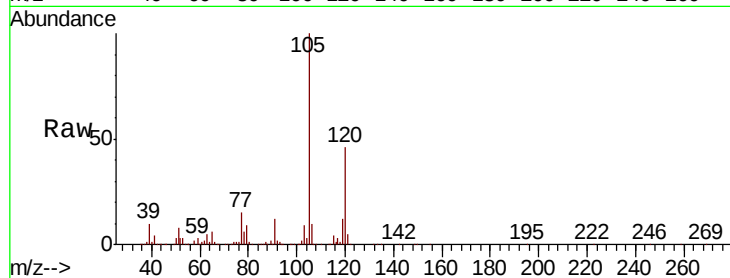
ClientSampleId :

Tot Ion:105 Resp: 3294642

Ion Ratio Lower Upper

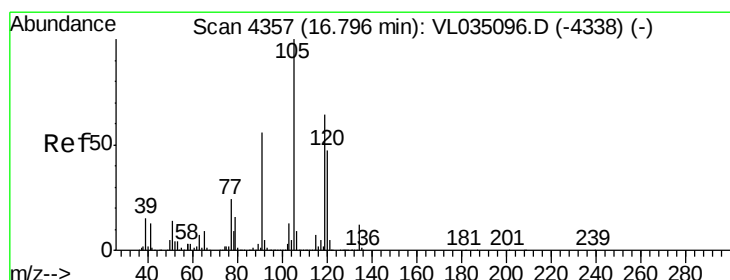
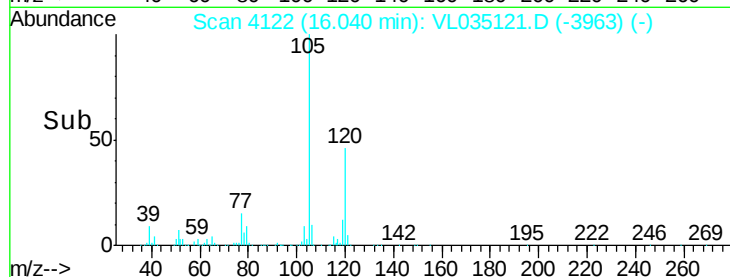
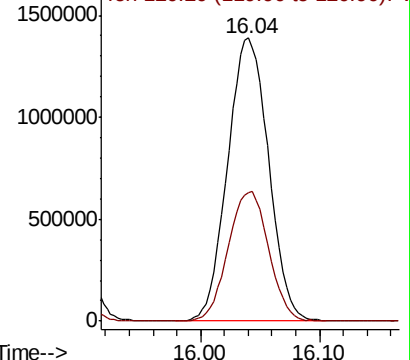
105 100

120 45.6 37.0 55.6



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: 7.831 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:105 Resp: 3396339

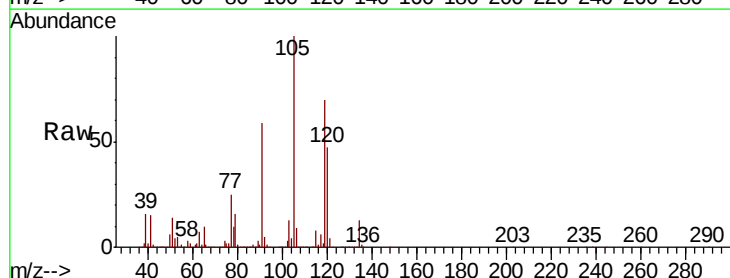
Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9

91 58.3 46.0 69.0

77 24.7 19.4 29.2

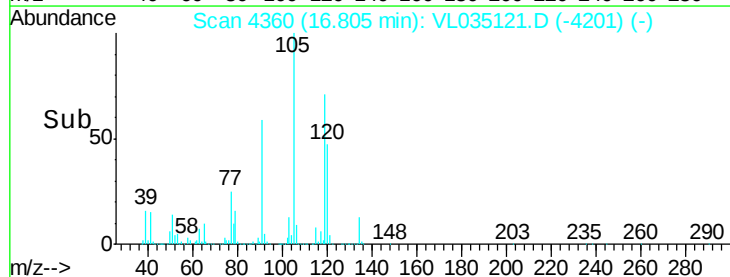
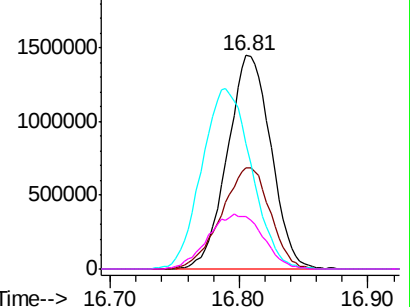


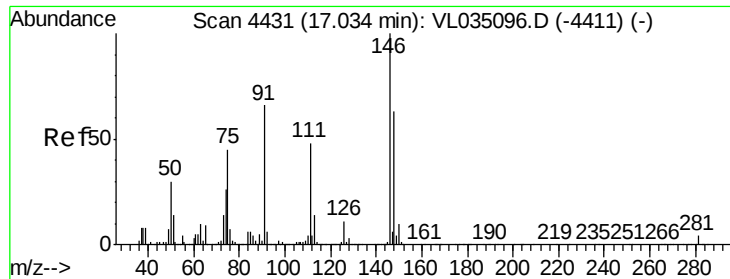
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



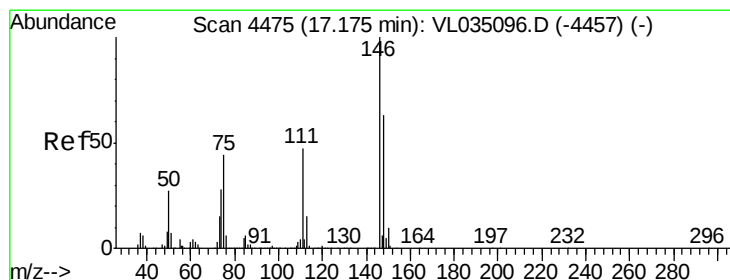
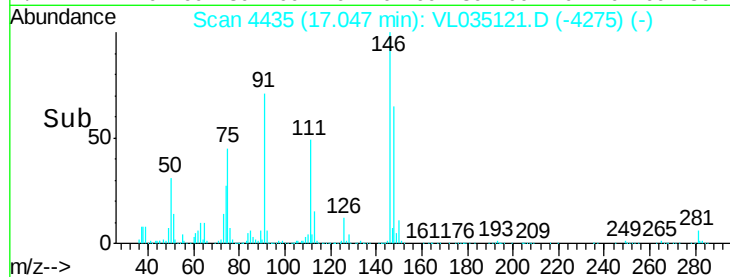
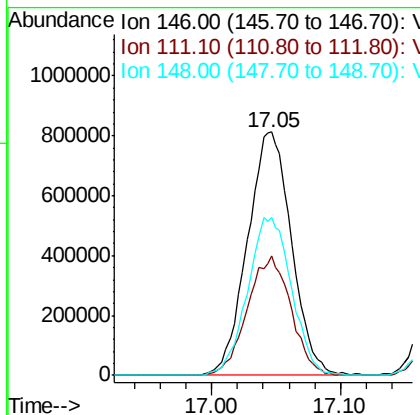
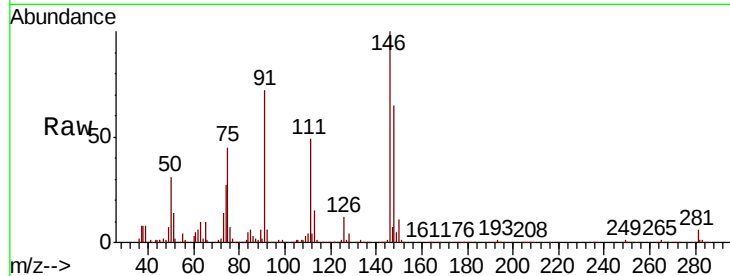


#75
 1,3-Dichlorobenzene
 Concen: 7.445 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 1926994

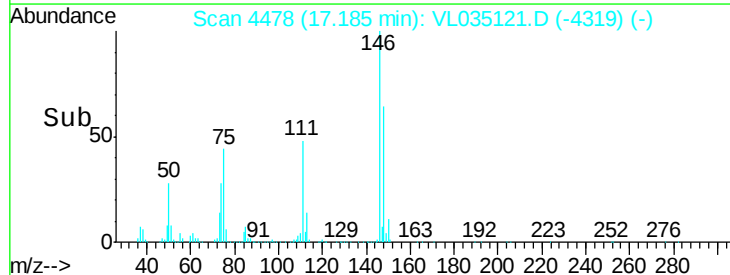
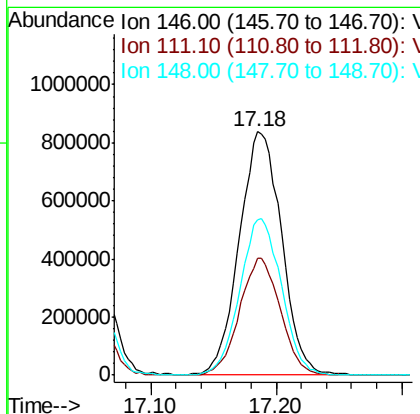
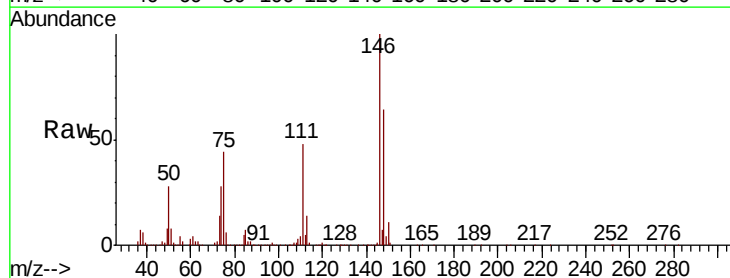
Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.1	72.4
148	65.0	32.3	96.8

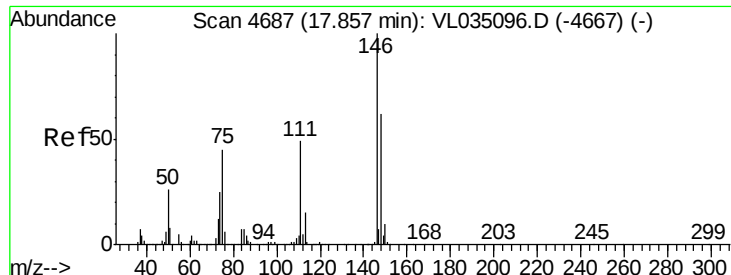


#76
 1,4-Dichlorobenzene
 Concen: 7.882 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion:146 Resp: 1951587

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	63.9	32.0	96.2

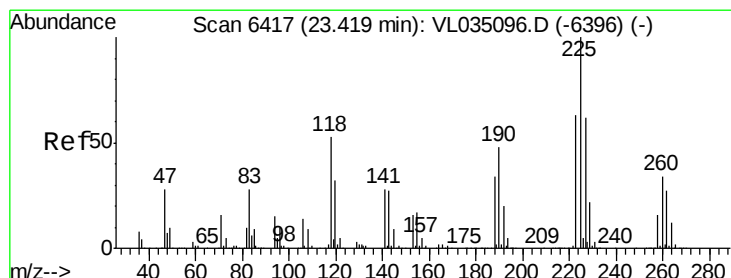
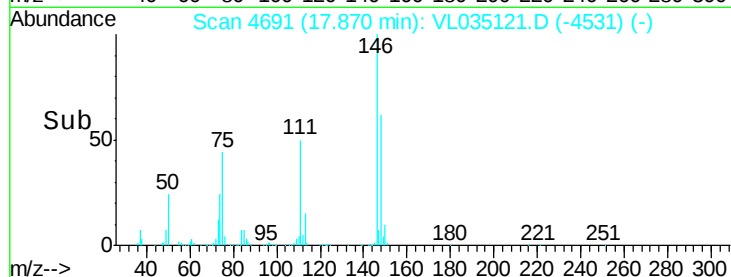
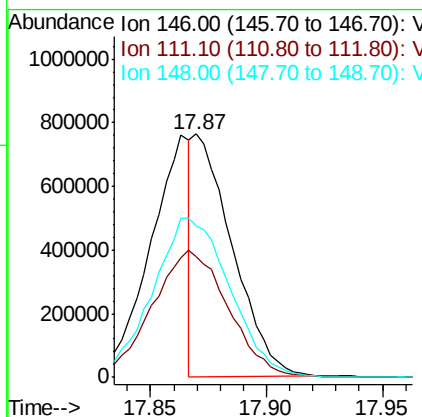
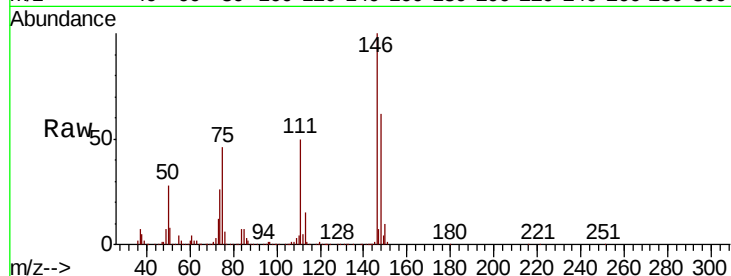




#77
 1,2-Dichlorobenzene
 Concen: 3.760 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

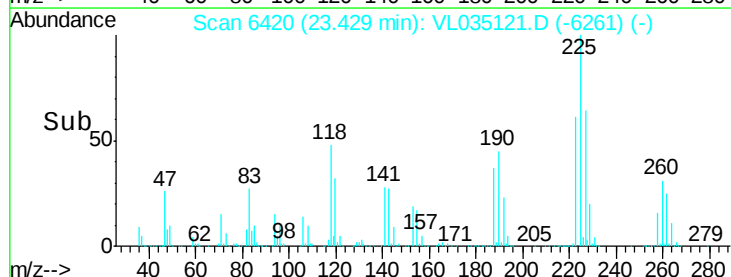
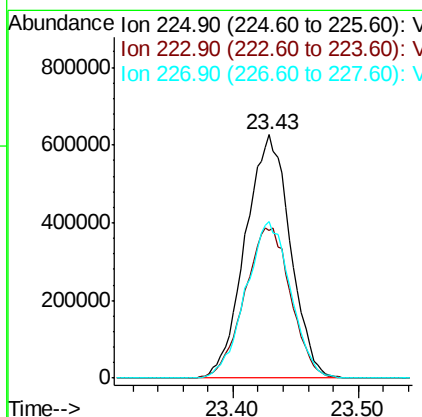
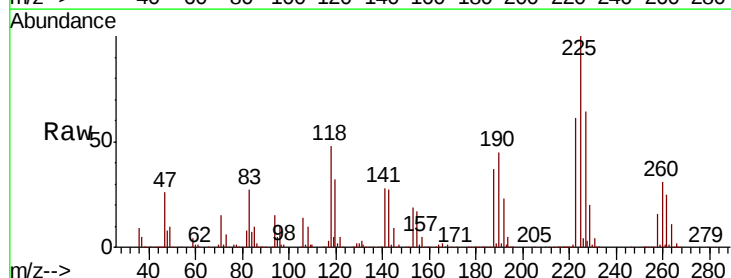
Instrument :
 MSVOA_L
 ClientSampled :

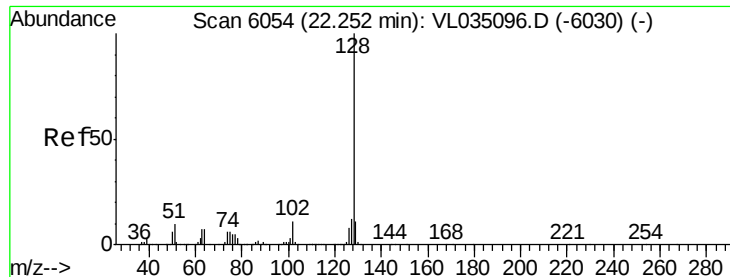
Tot Ion:146 Resp: 890562
 Ion Ratio Lower Upper
 146 100
 111 102.6 25.0 75.0#
 148 0.0 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.323 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.01 min
 Lab File: VL035121.D
 Acq: 30 Jun 2020 9:36

Tgt Ion:225 Resp: 1558864
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.4 77.0
 227 64.2 51.8 77.8





#79

Naphthalene

Concen: 8.690 ppbv

RT: 22.27 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

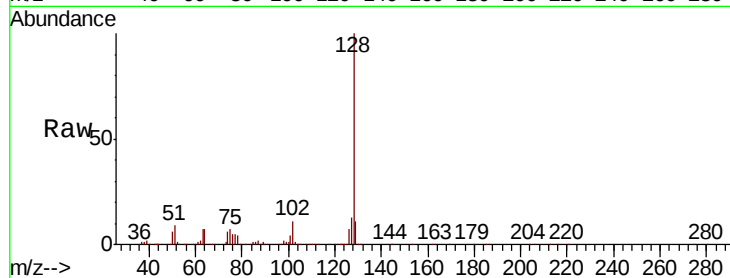
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 3304152

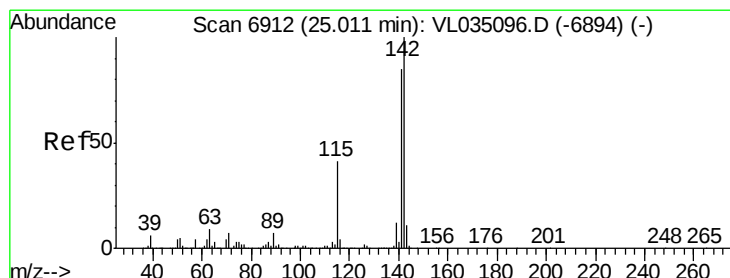
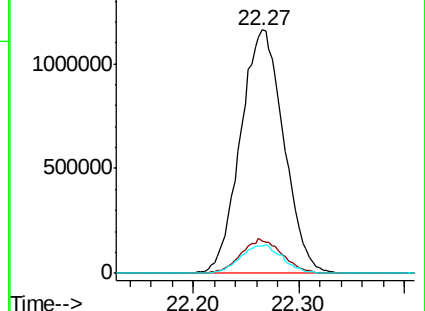
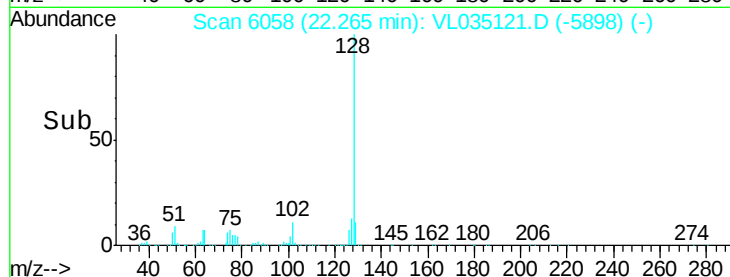
Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	11.2	9.0	13.4



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: 11.498 ppbv

RT: 25.02 min Scan# 6914

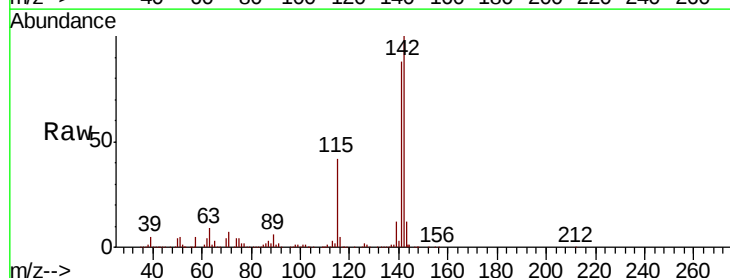
Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Tgt Ion:142 Resp: 1671717

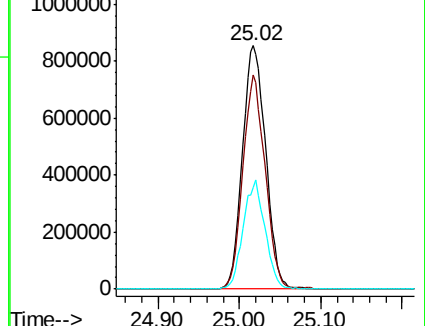
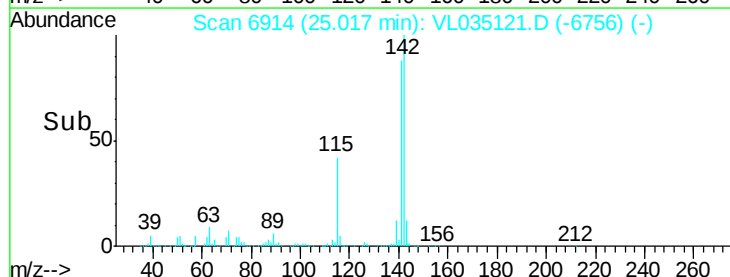
Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.5	101.3
115	42.2	33.8	50.8

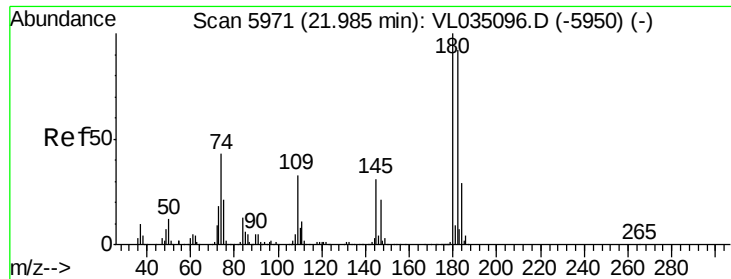


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.073 ppbv

RT: 21.99 min Scan# 5974

Delta R.T. 0.01 min

Lab File: VL035121.D

Acq: 30 Jun 2020 9:36

Instrument :

MSVOA_L

ClientSampleId :

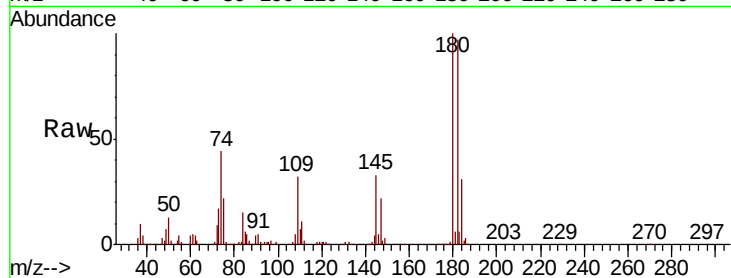
Tot Ion:180 Resp: 1770790

Ion Ratio Lower Upper

180 100

182 97.0 77.9 116.9

184 31.6 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

