

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036396.D
 Acq On : 26 Feb 2021 9:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:15:18 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	5.64	49	1505402	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3479428	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	4209143	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2704245	7.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	2169645	9.657	ppbv 99
3) Chlorodifluoromethane	2.97	51	1937691	10.359	ppbv 100
4) Chloromethane	3.11	50	970852	10.744	ppbv 98
5) Vinyl Chloride	3.23	62	948114	11.267	ppbv 96
6) Bromomethane	3.45	94	562684	11.250	ppbv 98
7) Chloroethane	3.53	64	341436	11.428	ppbv 98
8) Dichlorotetrafluoroethane	3.16	85	2202091	10.777	ppbv 99
9) Propene	2.99	41	901552	12.928	ppbv 99
10) Heptane	8.09	43	2307667	11.228	ppbv 99
11) Trichlorofluoromethane	3.92	101	2346298	10.665	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1512094	11.096	ppbv 99
13) Ethanol	3.58	45	125147	9.554	ppbv 98
14) Bromoethene	3.71	108	625729	10.971	ppbv 99
15) Acetone	3.83	43	1816458	9.871	ppbv 99
16) 1,3-Butadiene	3.30	39	936044	10.638	ppbv 99
17) tert-Butyl alcohol	4.27	59	1499780	10.499	ppbv 100
18) 1,1-Dichloroethene	4.26	96	653213	10.547	ppbv 97
19) Isopropyl Alcohol	3.94	45	965722	9.473	ppbv # 97
20) Methylene Chloride	4.32	84	562027	9.467	ppbv 97
21) Allyl Chloride	4.38	41	1119671	10.929	ppbv 97
22) trans-1,2-Dichloroethene	4.85	96	632358	11.241	ppbv 95
23) Vinyl Acetate	5.05	43	2336796	10.800	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1745902	10.911	ppbv 99
25) Ethyl Acetate	5.65	43	3848872	10.834	ppbv 99
26) Hexane	5.66	57	1588575	10.883	ppbv 98
27) Carbon Disulfide	4.52	76	1643966	12.255	ppbv 97
28) Methyl tert-Butyl Ether	5.01	73	2116316	11.099	ppbv 100
29) Chloroform	5.73	83	2464186	10.479	ppbv 94
30) Cyclohexane	7.10	84	1292035	10.644	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1566907	10.849	ppbv 96
32) 1,1,1-Trichloroethane	6.48	97	2424762	11.029	ppbv 99
34) 2-Butanone	5.22	43	2409920	10.424	ppbv 100
35) Carbon Tetrachloride	6.99	117	2481793	10.643	ppbv 98
36) Benzene	6.86	78	3256106	11.017	ppbv 97
37) 1,2-Dichloroethane	6.28	62	1938496	10.608	ppbv 100
38) Trichloroethene	7.80	130	1131496	10.686	ppbv 95
39) 1,2-Dichloropropane	7.58	63	1307331	10.889	ppbv 99
40) 1,4-Dioxane	7.80	88	401524	9.652	ppbv # 23
41) Tetrahydrofuran	6.02	42	1436860	11.138	ppbv 99
42) Bromodichloromethane	7.76	83	2659330	10.866	ppbv 96
43) Methyl Methacrylate	7.99	69	1428350	11.459	ppbv 99

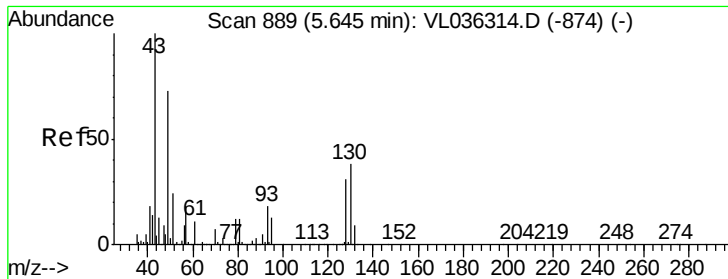
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	5552151	10.331	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1516422	12.611	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1859922	12.177	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1303691	10.610	ppbv	99
48) Dibromochloromethane	10.27	129	2162967	11.797	ppbv	99
49) Bromoform	13.01	173	1800167	12.145	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	3783776	11.025	ppbv	99
51) 2-Hexanone	10.10	43	3077030	11.800	ppbv #	99
52) Tetrachloroethene	11.19	164	1074872	9.934	ppbv	98
53) Toluene	9.77	91	3651143	11.405	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1934526	10.895	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1603523	8.283	ppbv #	63
57) Chlorobenzene	12.11	112	2632354	8.094	ppbv	97
58) Ethyl Benzene	12.68	91	4906727	8.513	ppbv	97
59) m/p-Xylene	12.97	91	4900125	9.679	ppbv #	51
60) o-Xylene	13.66	91	3922031	8.103	ppbv	100
61) Styrene	13.49	104	2852207	9.508	ppbv	98
62) Isopropylbenzene	14.64	105	5831494	8.037	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	2880772	7.543	ppbv	99
64) n-propylbenzene	15.53	120	1525475	8.543	ppbv	98
65) tert-Butylbenzene	16.72	119	4985827	8.031	ppbv	98
66) Benzyl Chloride	16.96	91	1845871	10.937	ppbv	99
67) sec-Butylbenzene	17.26	105	7121812	7.955	ppbv	99
69) p-Isopropyltoluene	17.62	119	5827231	8.422	ppbv	99
70) n-Butylbenzene	18.52	91	6139224	8.274	ppbv	100
71) 2-Chlorotoluene	15.42	91	4611588	8.291	ppbv	98
72) 4-Ethyltoluene	15.81	105	4472707	8.303	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4309908	8.254	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	4374122	8.205	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2400556	8.296	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2380180	7.921	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2349282	8.184	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1655011	7.057	ppbv	99
79) Naphthalene	22.16	128	3144032	9.949	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	746147	12.752	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	1625276	8.430	ppbv	99

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

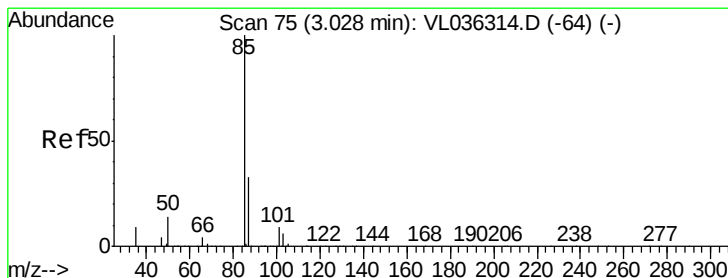
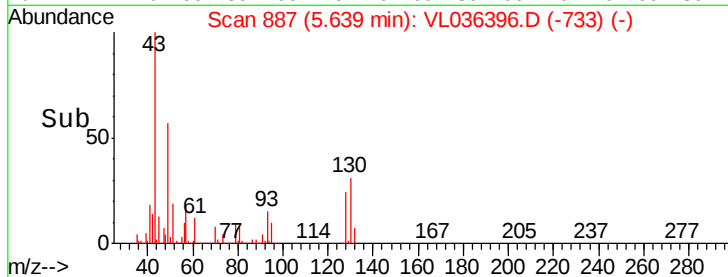
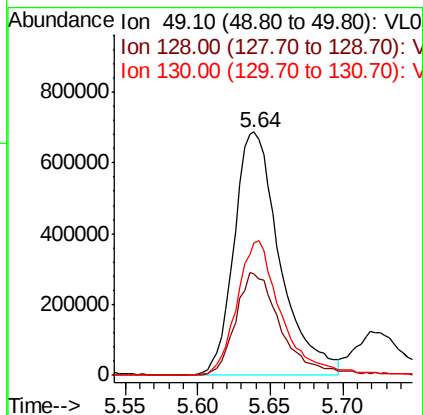
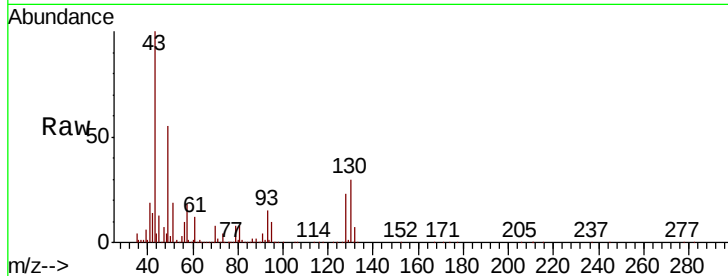


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :

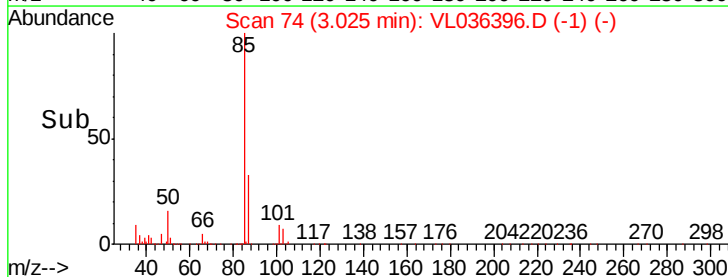
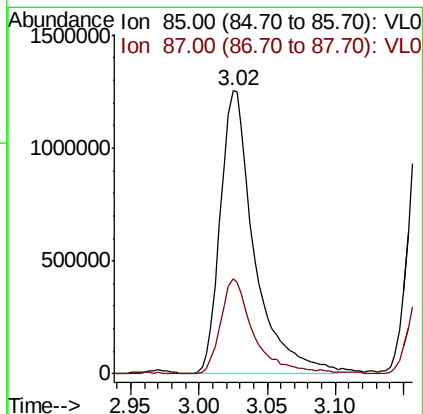
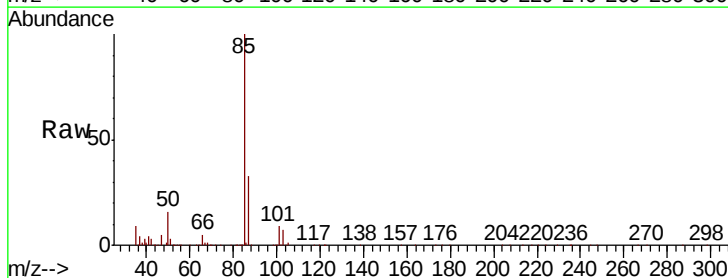
Tot Ion: 49 Resp: 1505402
 Ion Ratio Lower Upper
 49 100
 128 42.4 20.8 62.5
 130 54.8 26.7 80.1

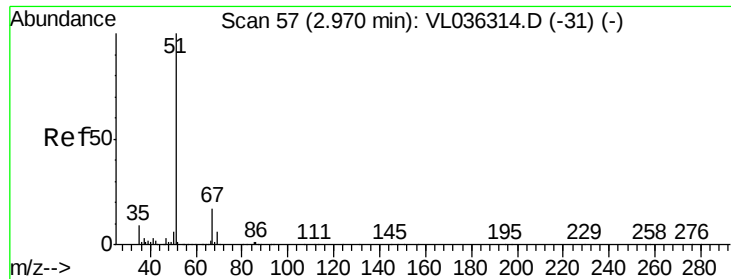


#2

Dichlorodifluoromethane
 Concen: 9.657 ppbv
 RT: 3.02 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 85 Resp: 2169645
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.5 39.7





#3

Chlorodifluoromethane

Concen: 10.359 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

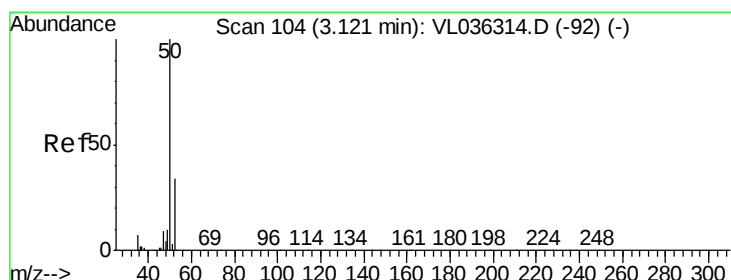
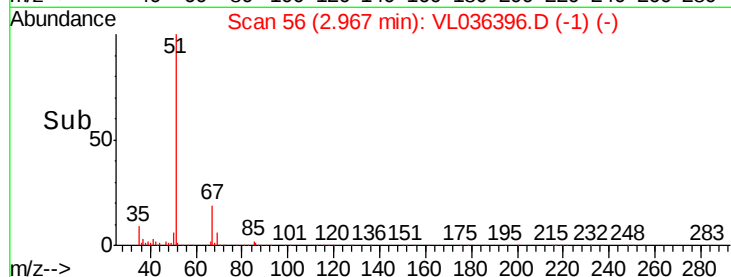
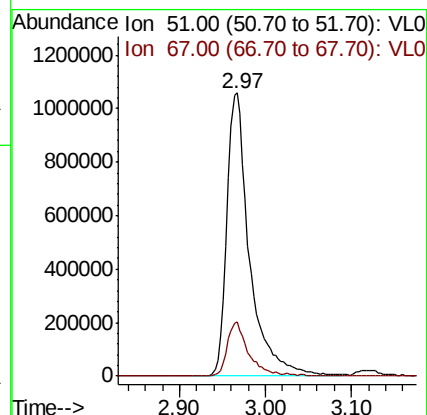
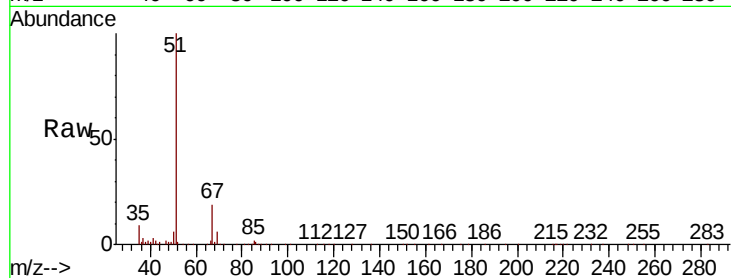
ClientSampleId :

Tot Ion: 51 Resp: 1937691

Ion Ratio Lower Upper

51 100

67 18.4 14.7 22.1



#4

Chloromethane

Concen: 10.744 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL036396.D

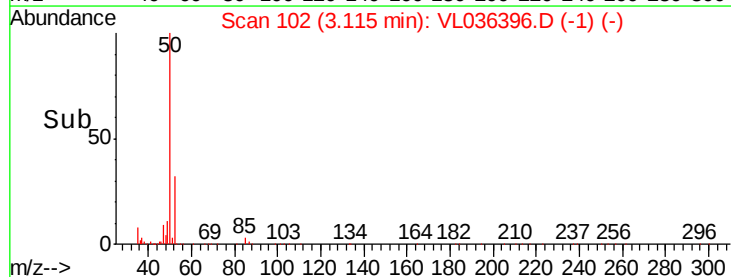
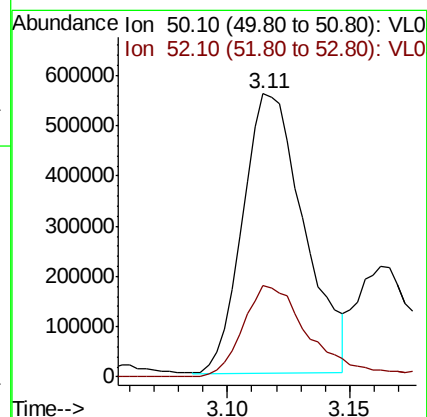
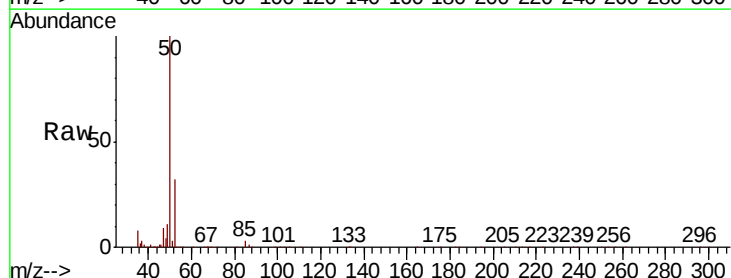
Acq: 26 Feb 2021 9:48

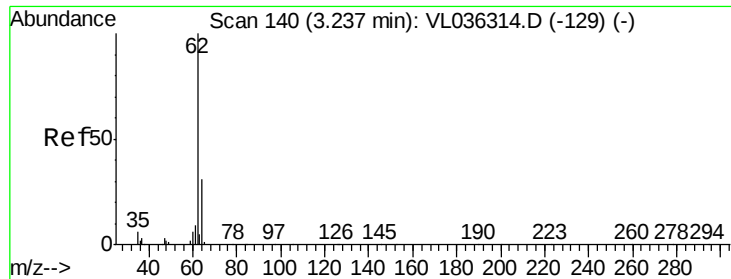
Tgt Ion: 50 Resp: 970852

Ion Ratio Lower Upper

50 100

52 32.8 27.0 40.4





#5

Vinyl Chloride

Concen: 11.267 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

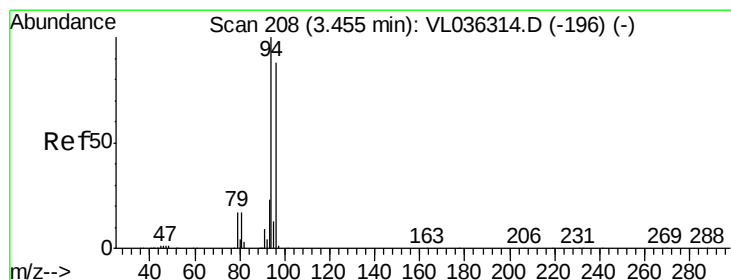
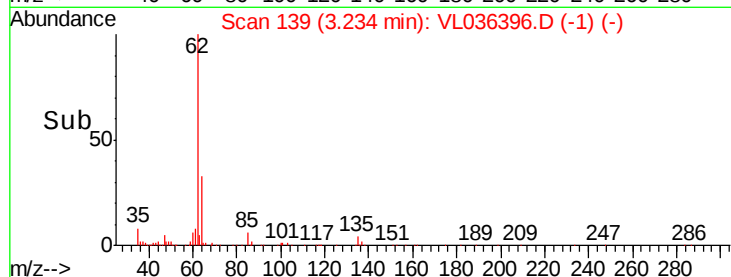
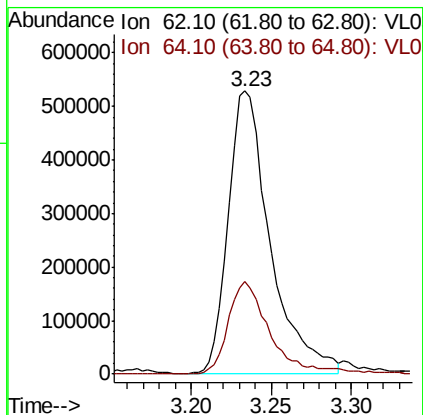
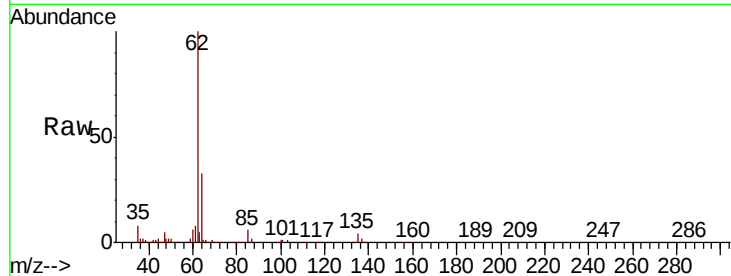
ClientSampleId :

Tot Ion: 62 Resp: 948114

Ion Ratio Lower Upper

62 100

64 32.6 24.4 36.6



#6

Bromomethane

Concen: 11.250 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL036396.D

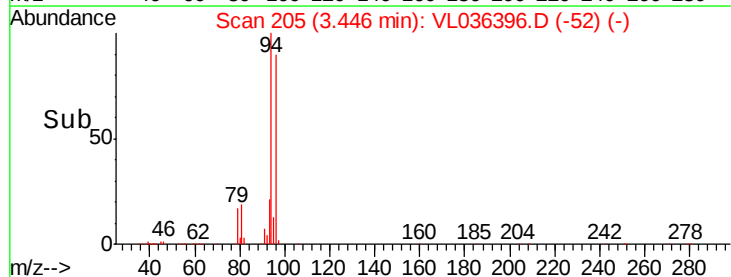
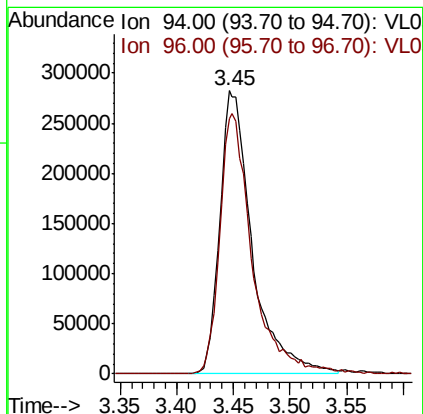
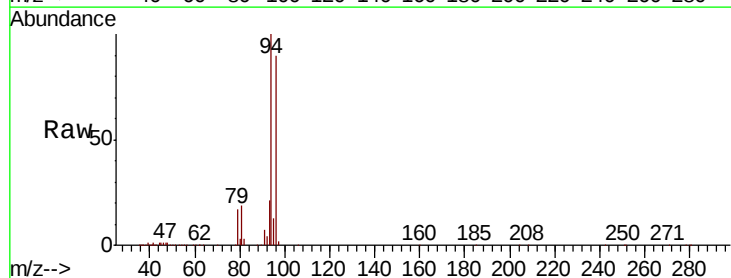
Acq: 26 Feb 2021 9:48

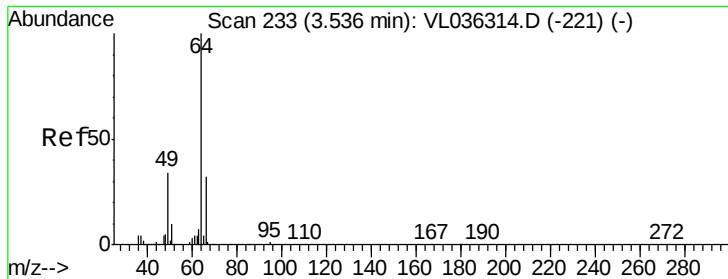
Tgt Ion: 94 Resp: 562684

Ion Ratio Lower Upper

94 100

96 90.0 70.8 106.2





#7

Chloroethane

Concen: 11.428 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

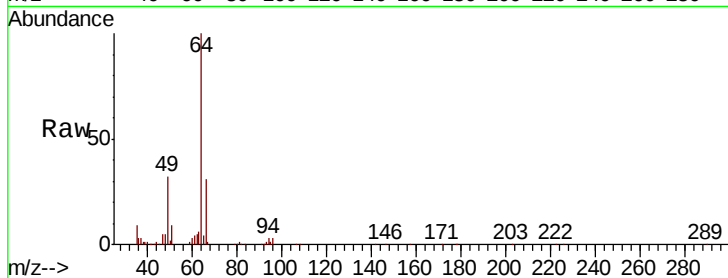
ClientSampleId :

Tot Ion: 64 Resp: 341436

Ion Ratio Lower Upper

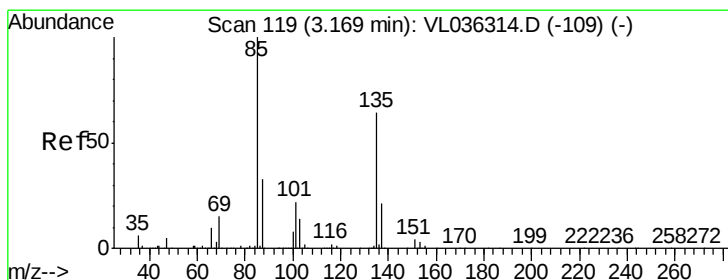
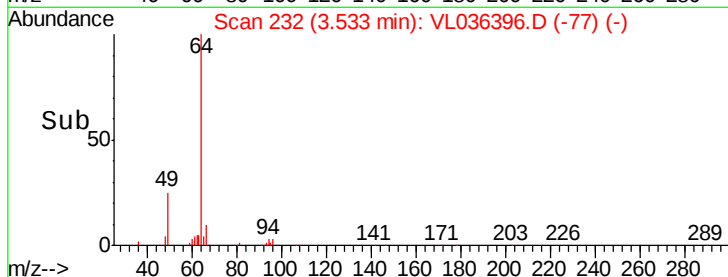
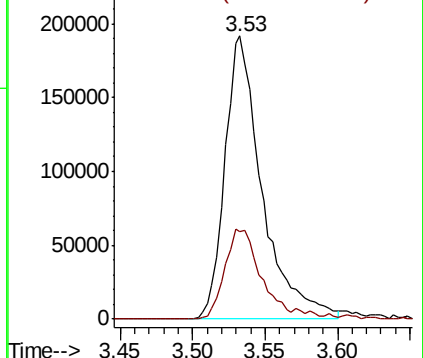
64 100

66 30.9 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.777 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL036396.D

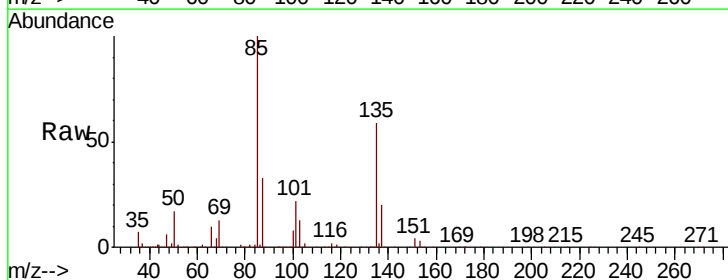
Acq: 26 Feb 2021 9:48

Tgt Ion: 85 Resp: 2202091

Ion Ratio Lower Upper

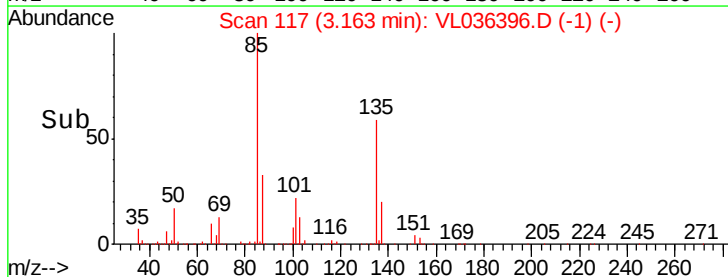
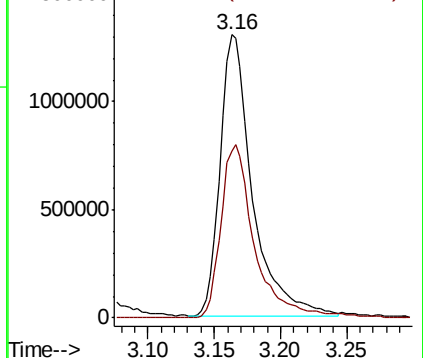
85 100

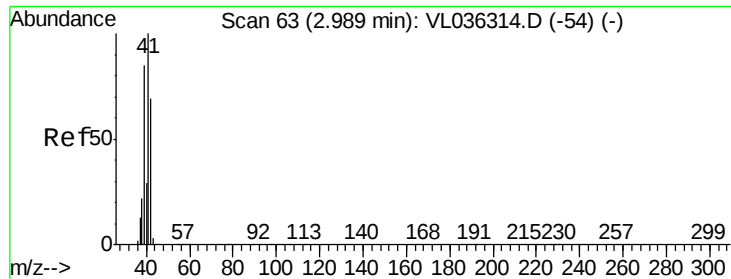
135 64.9 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.928 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

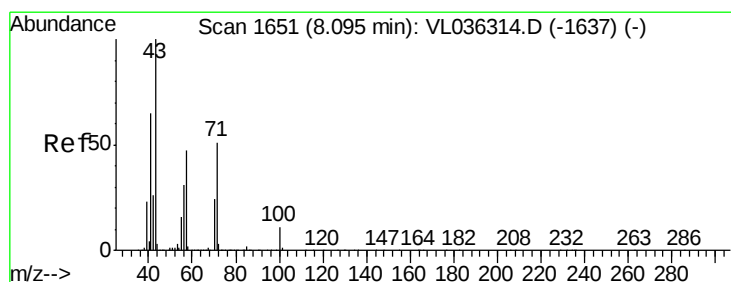
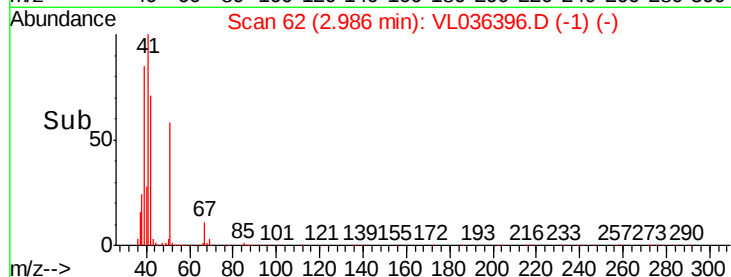
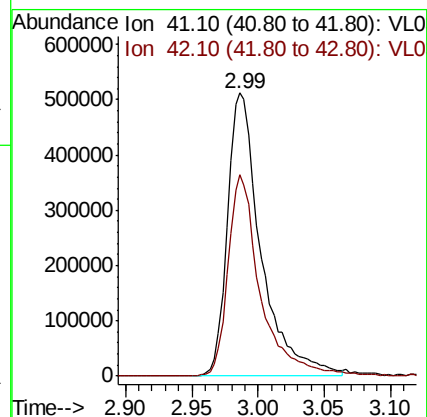
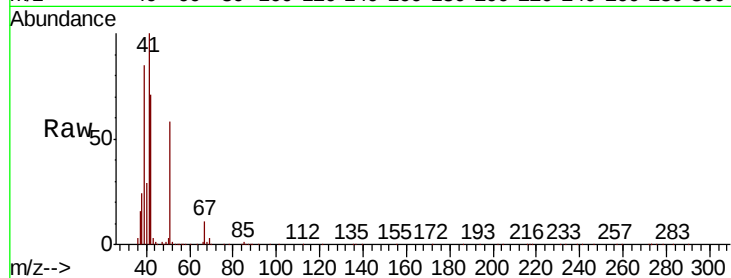
ClientSampleId :

Tot Ion: 41 Resp: 901552

Ion Ratio Lower Upper

41 100

42 69.3 56.2 84.2



#10

Heptane

Concen: 11.228 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL036396.D

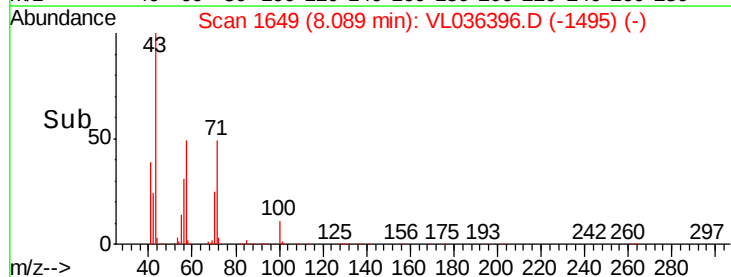
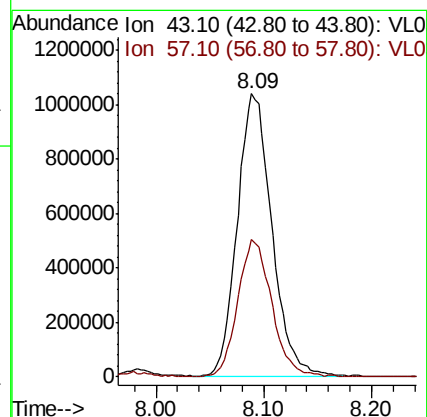
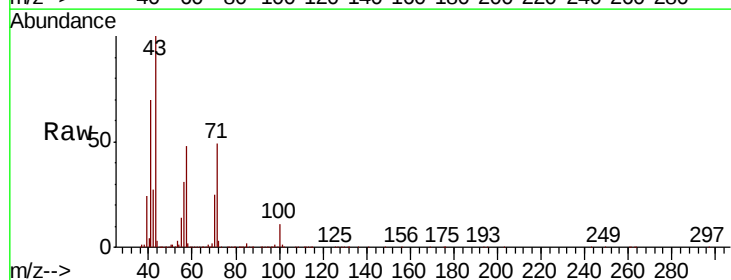
Acq: 26 Feb 2021 9:48

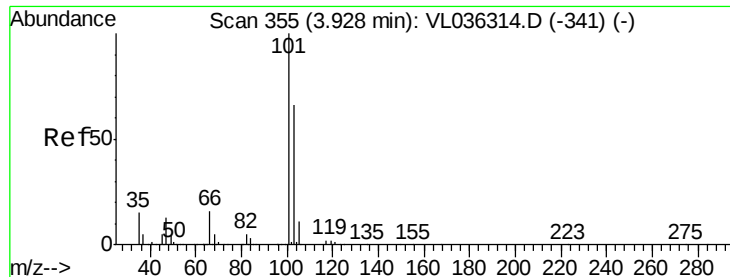
Tgt Ion: 43 Resp: 2307667

Ion Ratio Lower Upper

43 100

57 48.3 39.4 59.2





#11

Trichlorofluoromethane

Concen: 10.665 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

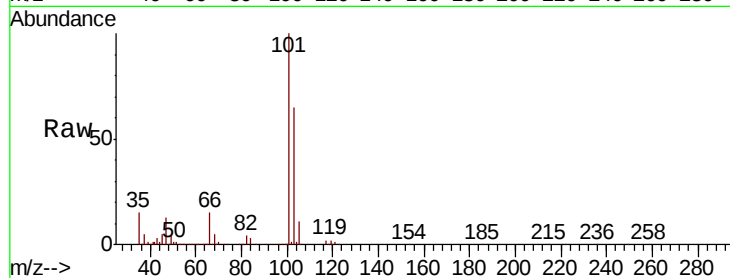
ClientSampled :

Tot Ion:101 Resp: 2346298

Ion Ratio Lower Upper

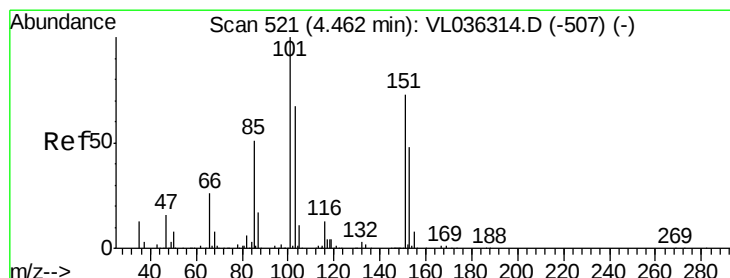
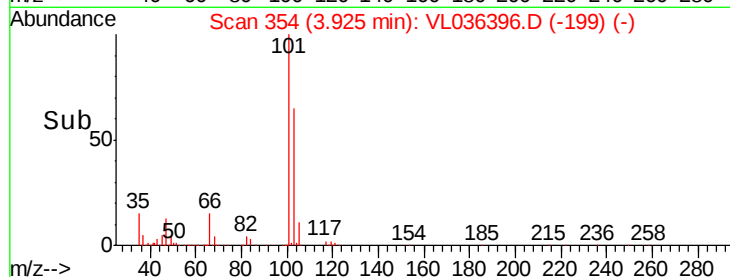
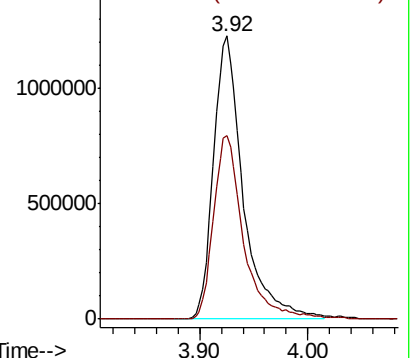
101 100

103 64.9 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: 11.096 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL036396.D

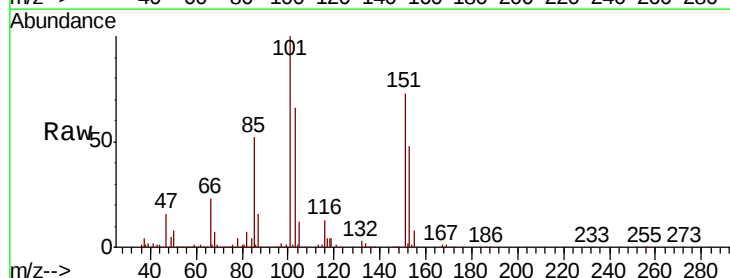
Acq: 26 Feb 2021 9:48

Tgt Ion:101 Resp: 1512094

Ion Ratio Lower Upper

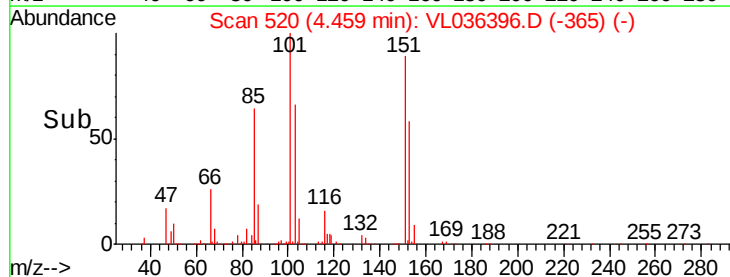
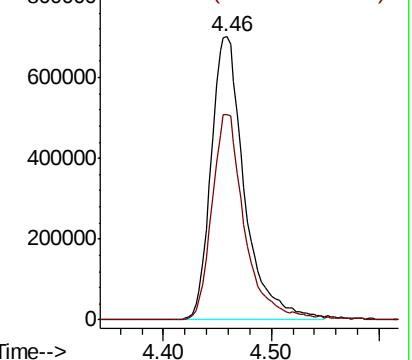
101 100

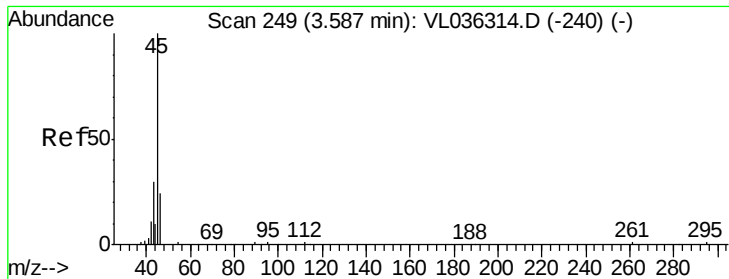
151 71.7 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.554 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

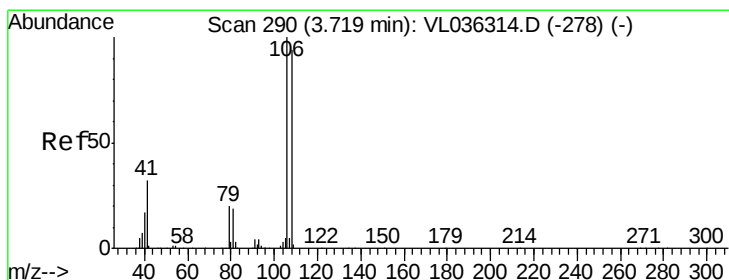
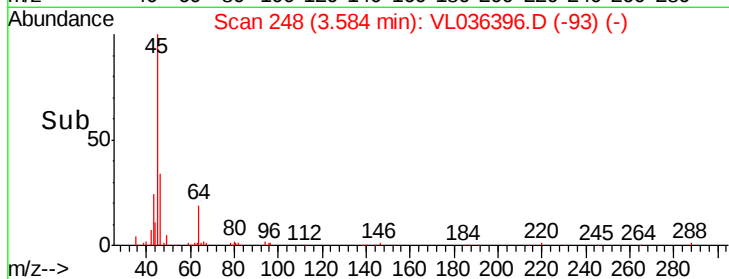
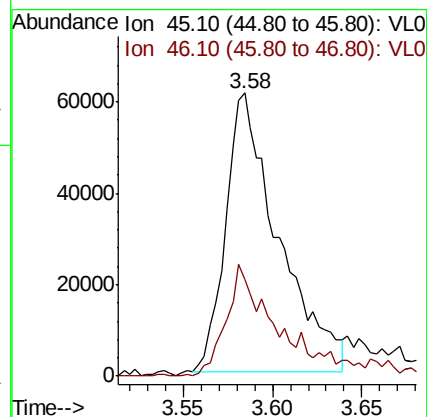
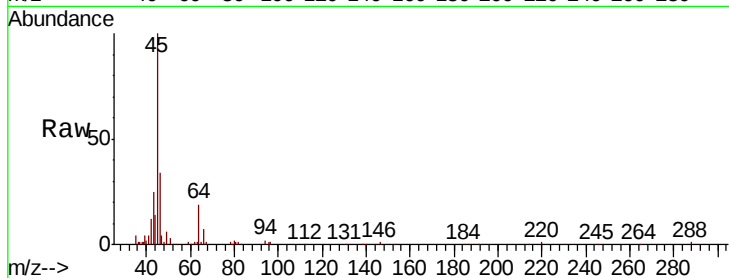
ClientSampleId :

Tot Ion: 45 Resp: 125147

Ion Ratio Lower Upper

45 100

46 42.6 17.7 70.7



#14

Bromoethene

Concen: 10.971 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

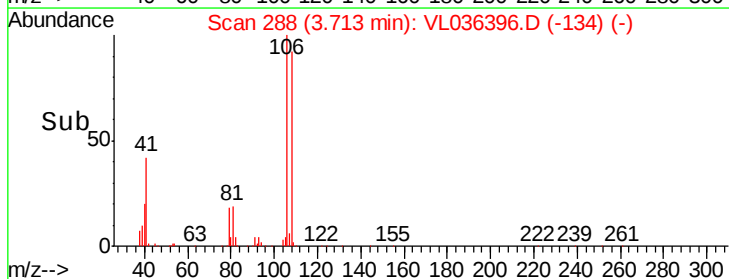
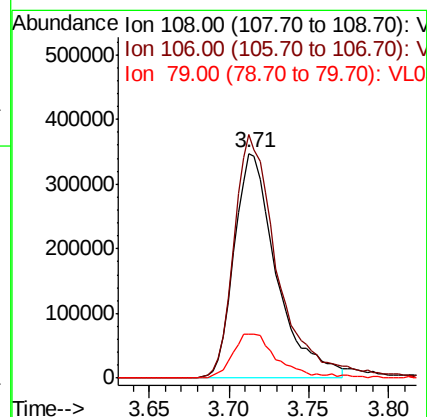
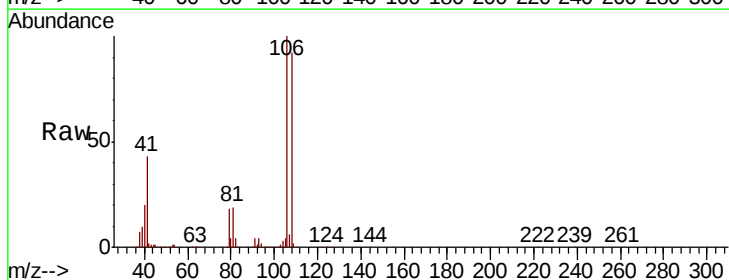
Tgt Ion: 108 Resp: 625729

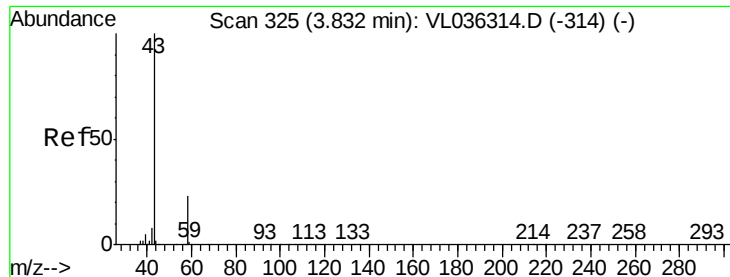
Ion Ratio Lower Upper

108 100

106 113.5 89.8 134.8

79 21.7 17.1 25.7





#15

Acetone

Concen: 9.871 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

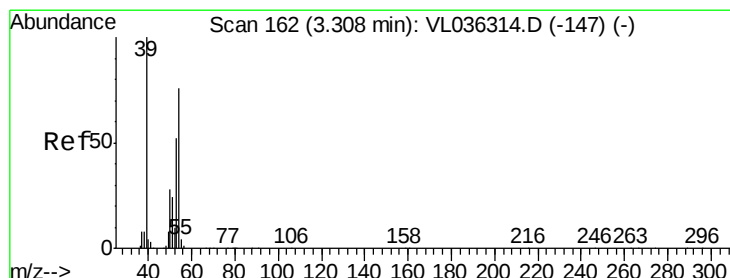
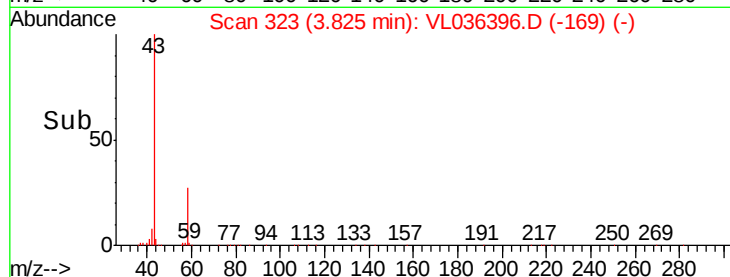
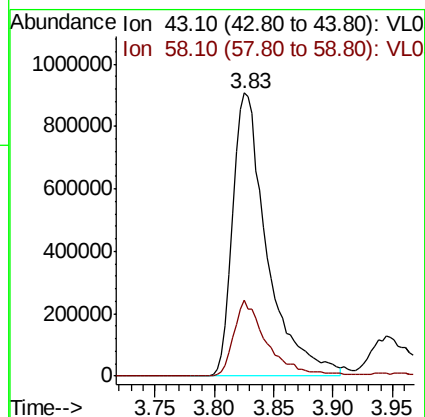
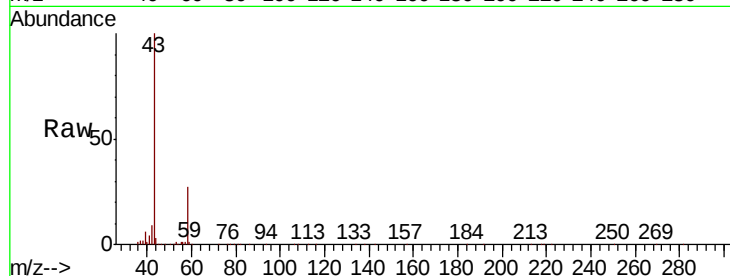
ClientSampleId :

Tot Ion: 43 Resp: 1816458

Ion Ratio Lower Upper

43 100

58 26.1 20.3 30.5



#16

1,3-Butadiene

Concen: 10.638 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.00 min

Lab File: VL036396.D

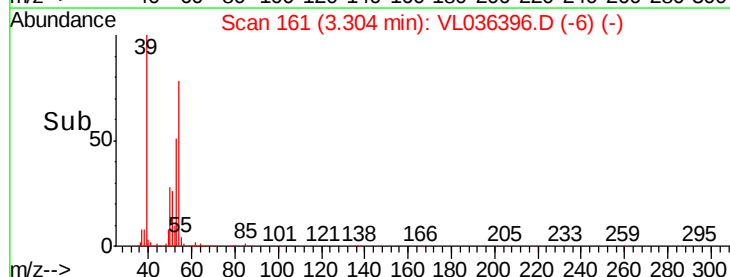
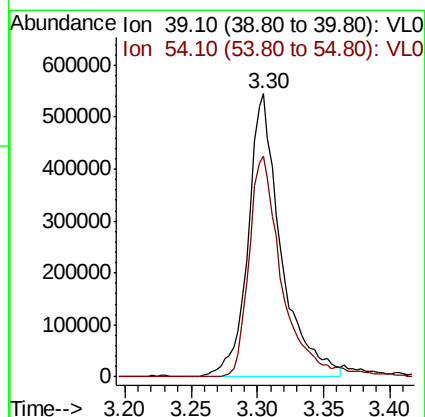
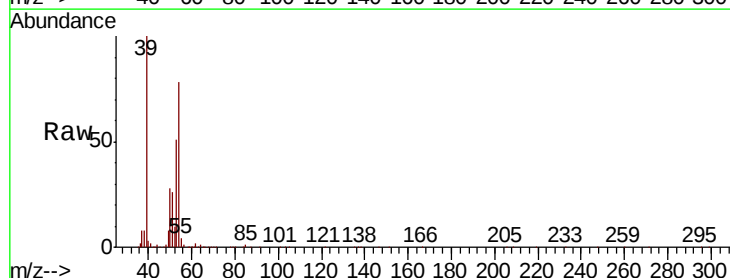
Acq: 26 Feb 2021 9:48

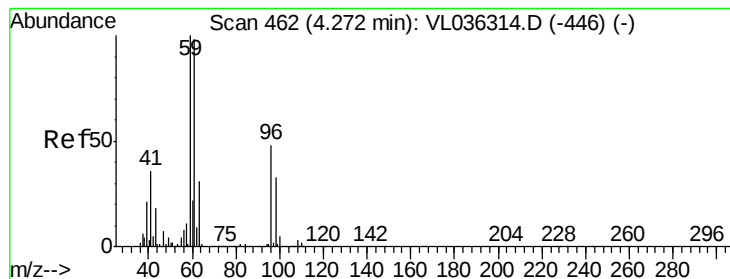
Tgt Ion: 39 Resp: 936044

Ion Ratio Lower Upper

39 100

54 79.8 64.4 96.6





#17

tert-Butyl alcohol

Concen: 10.499 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

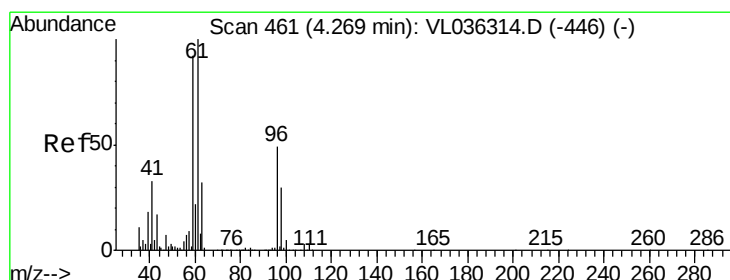
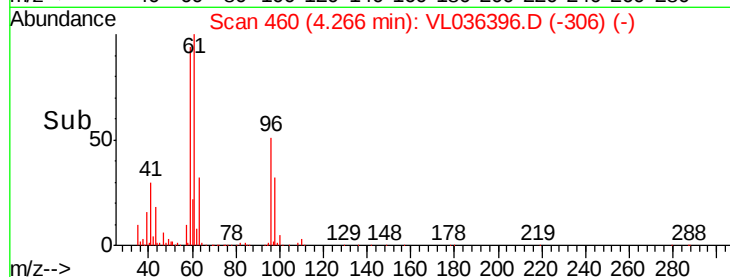
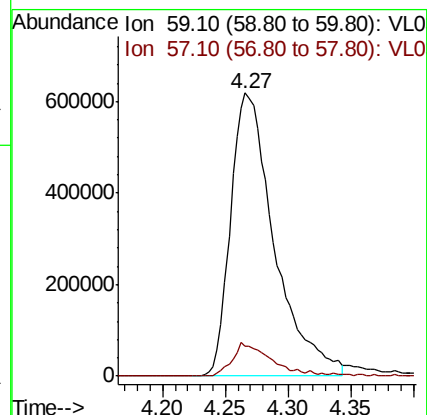
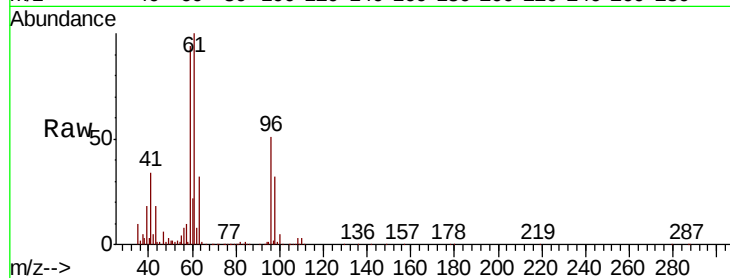
ClientSampleId :

Tot Ion: 59 Resp: 1499780

Ion Ratio Lower Upper

59 100

57 11.3 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.547 ppbv

RT: 4.26 min Scan# 459

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

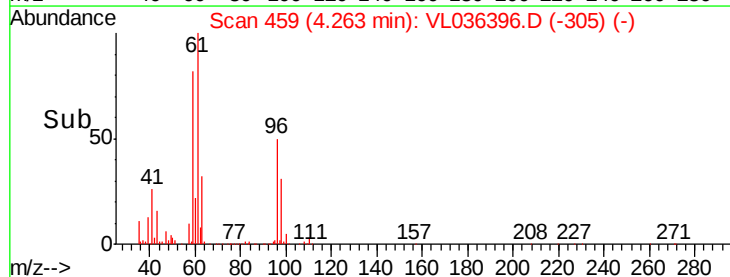
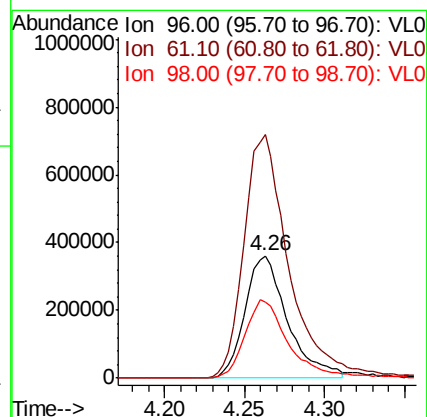
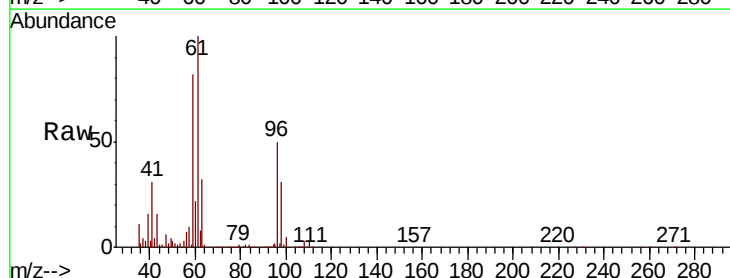
Tgt Ion: 96 Resp: 653213

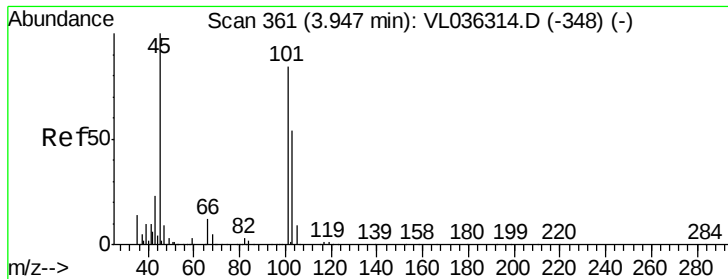
Ion Ratio Lower Upper

96 100

61 198.5 162.5 243.7

98 61.9 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.473 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

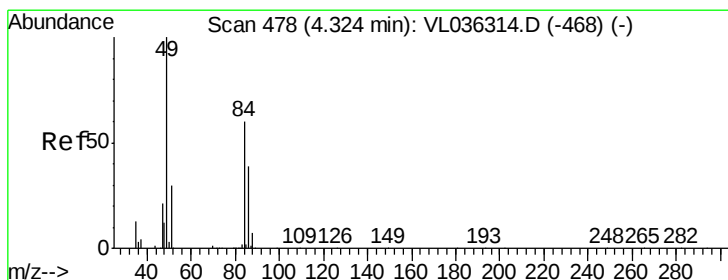
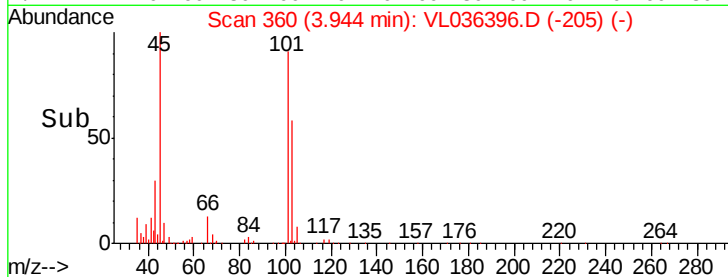
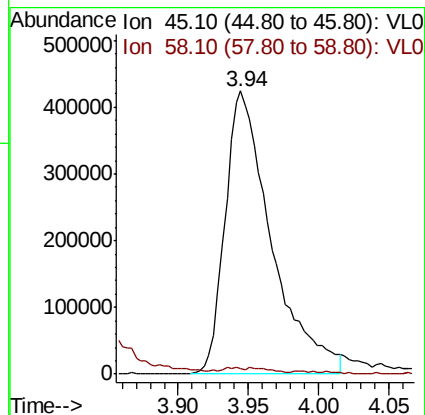
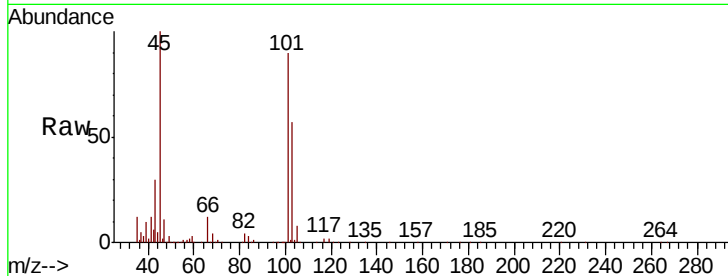
ClientSampled :

Tot Ion: 45 Resp: 965722

Ion Ratio Lower Upper

45 100

58 3.3 1.9 2.9#



#20

Methylene Chloride

Concen: 9.467 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion: 84 Resp: 562027

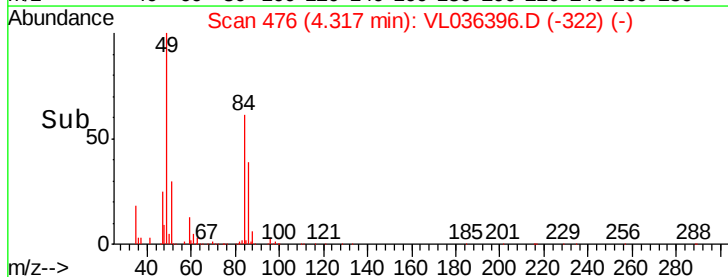
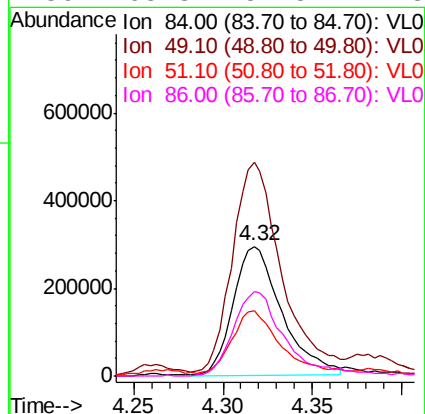
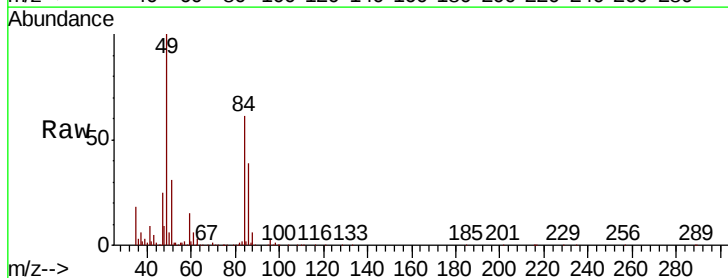
Ion Ratio Lower Upper

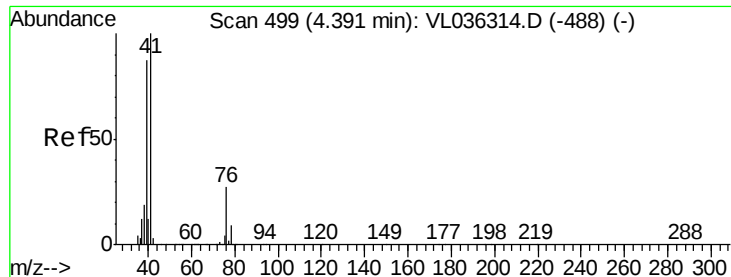
84 100

49 162.6 133.8 200.8

51 47.6 41.4 62.0

86 65.3 51.5 77.3





#21

Allvl Chloride

Concen: 10.929 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampled :

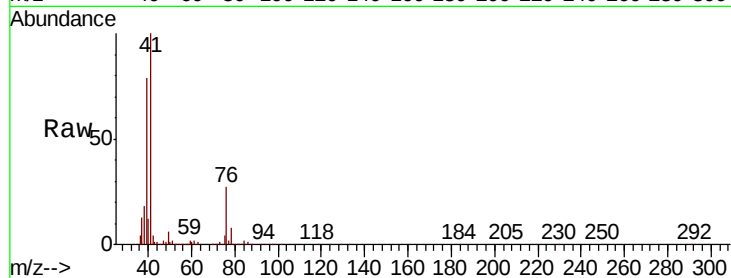
Tot Ion: 41 Resp: 1119671

Ion Ratio Lower Upper

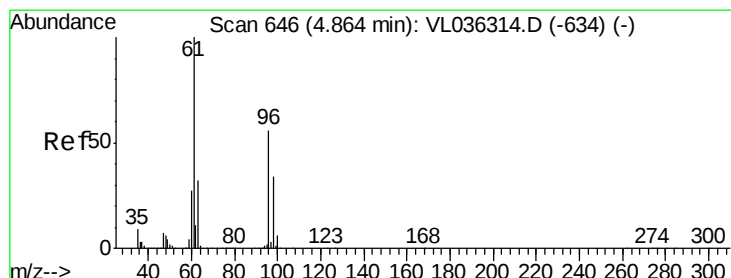
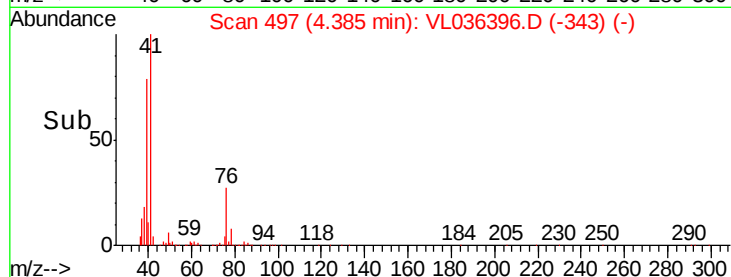
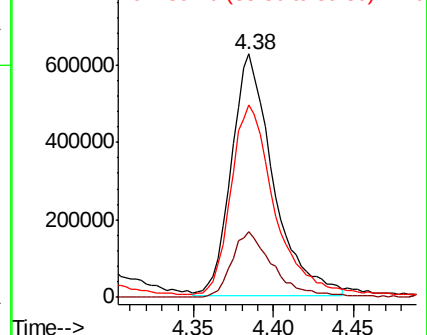
41 100

76 27.1 22.0 33.0

39 83.9 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: 11.241 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

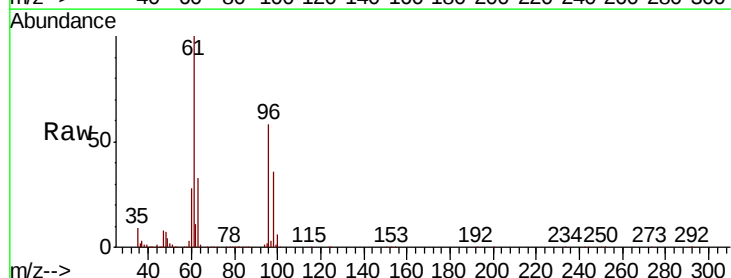
Tgt Ion: 96 Resp: 632358

Ion Ratio Lower Upper

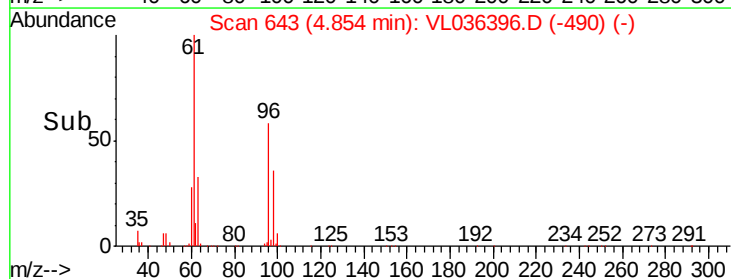
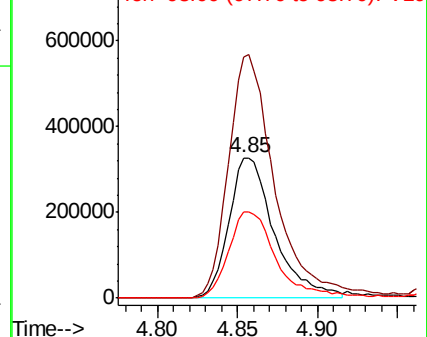
96 100

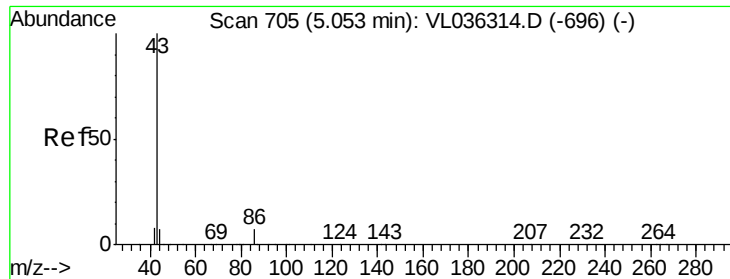
61 171.3 143.7 215.5

98 61.1 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: 10.800 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2336796

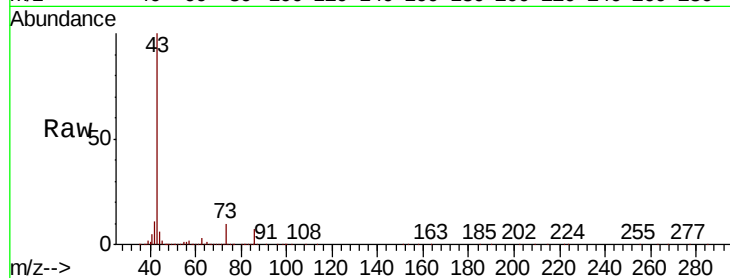
Ion Ratio Lower Upper

43 100

86 6.7 4.8 7.2

42 10.2 7.4 11.0

44 5.5 4.8 7.2

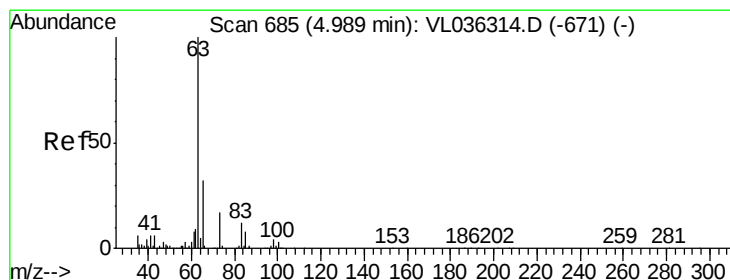
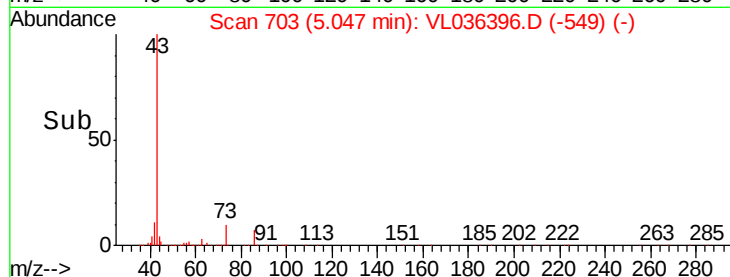
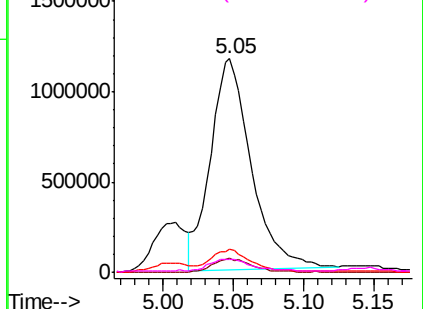


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.911 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

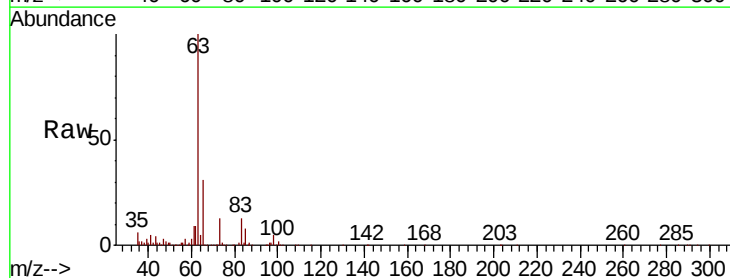
Tgt Ion: 63 Resp: 1745902

Ion Ratio Lower Upper

63 100

98 4.5 2.0 6.0

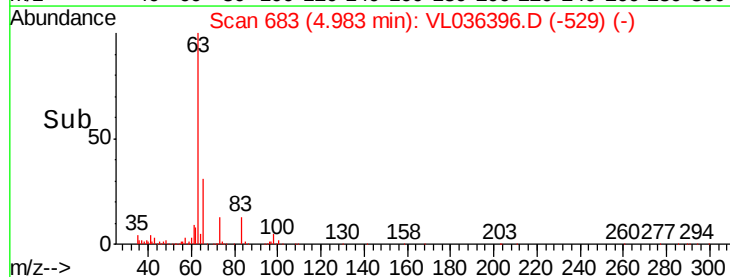
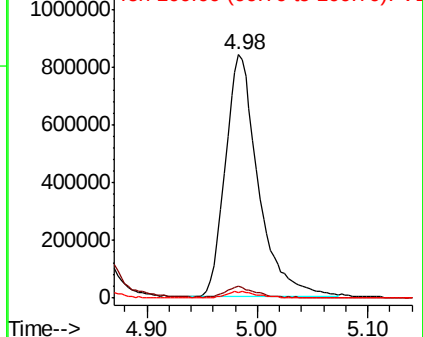
100 2.4 1.5 4.4

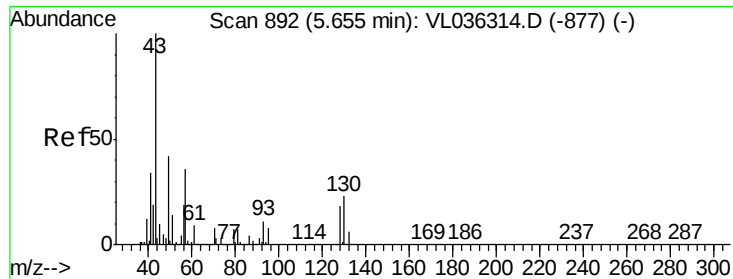


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



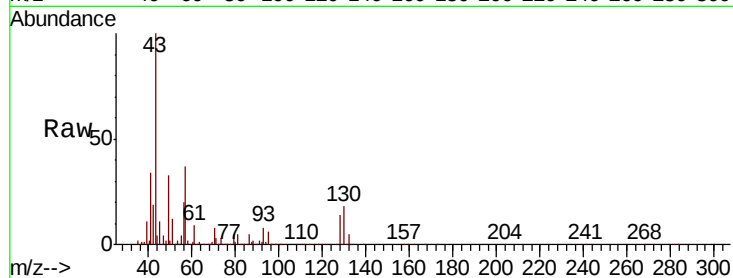


#25
Ethyl Acetate
Concen: 10.834 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

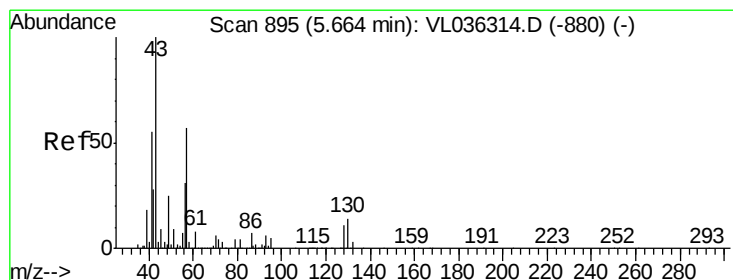
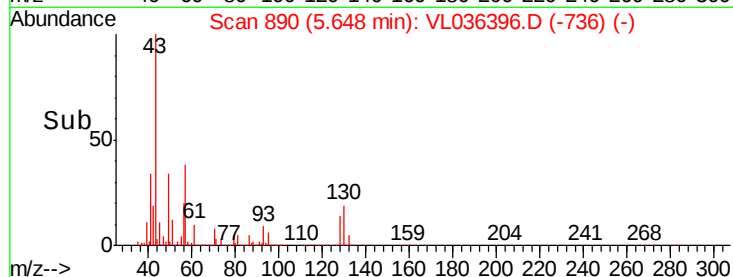
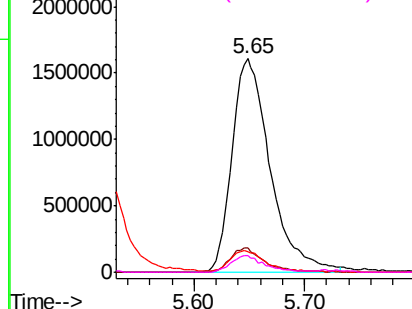
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3848872

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.8	7.3	10.9
70	6.9	5.4	8.0



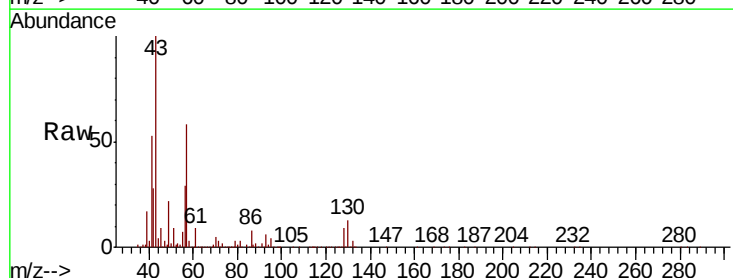
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



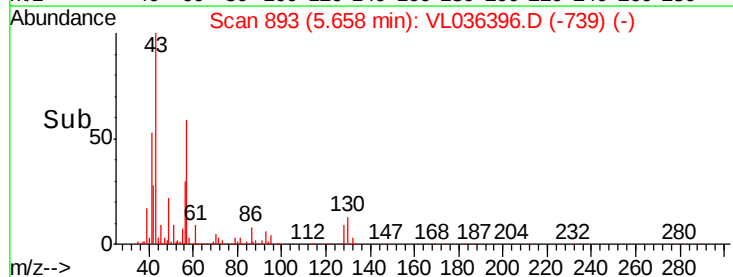
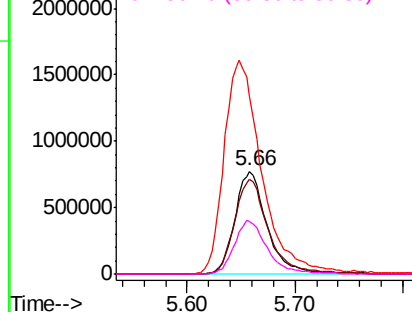
#26
Hexane
Concen: 10.883 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

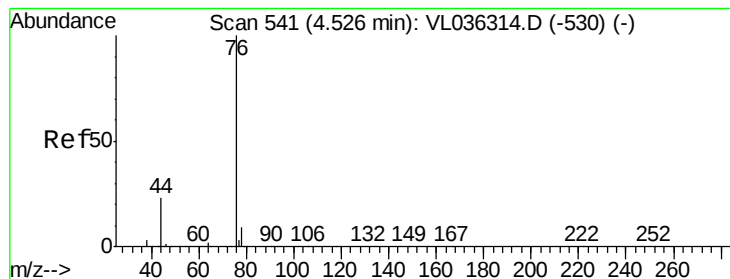
Tgt Ion: 57 Resp: 1588575

Ion	Ratio	Lower	Upper
57	100		
41	98.8	81.7	122.5
43	246.6	199.1	298.7
56	54.0	44.0	66.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.255 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampled :

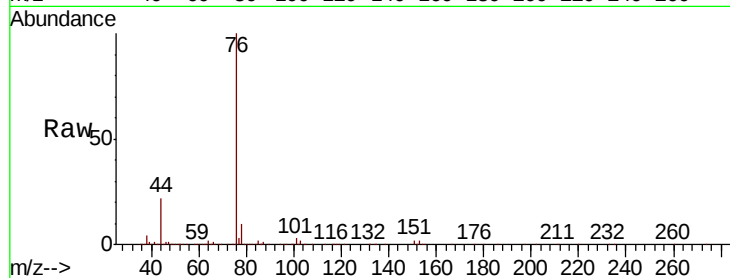
Tot Ion: 76 Resp: 1643966

Ion Ratio Lower Upper

76 100

44 21.0 18.4 27.6

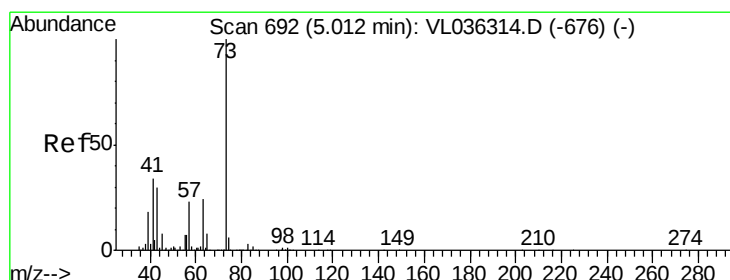
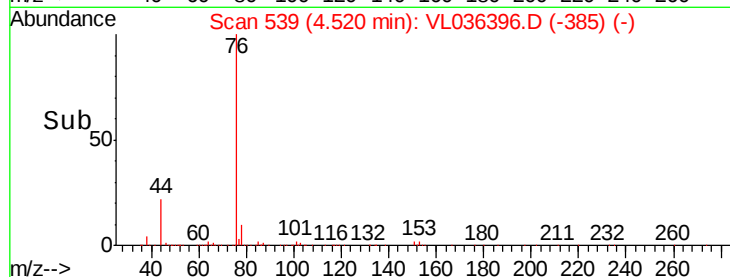
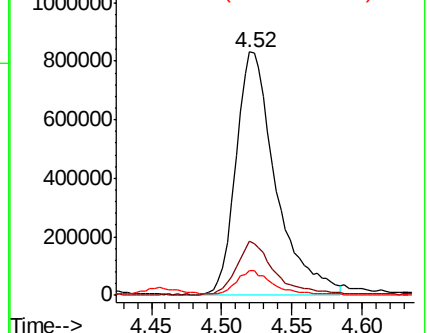
78 9.8 8.0 12.0



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: 11.099 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL036396.D

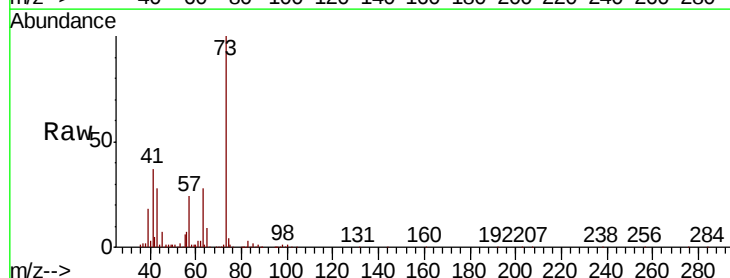
Acq: 26 Feb 2021 9:48

Tgt Ion: 73 Resp: 2116316

Ion Ratio Lower Upper

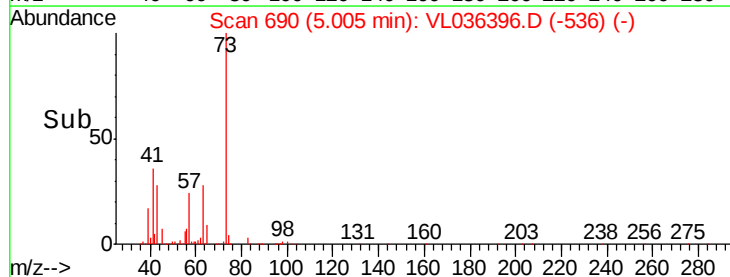
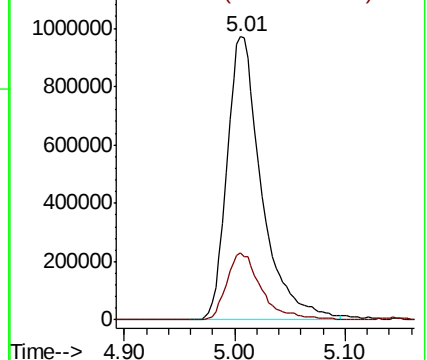
73 100

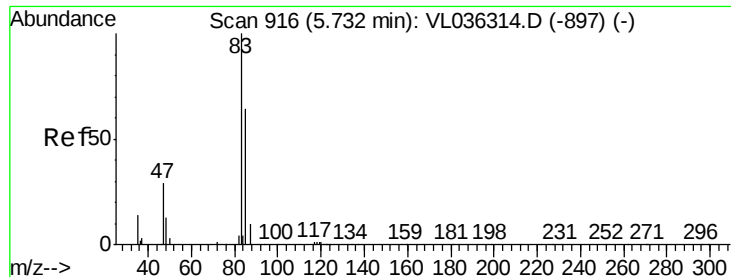
57 24.0 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.479 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

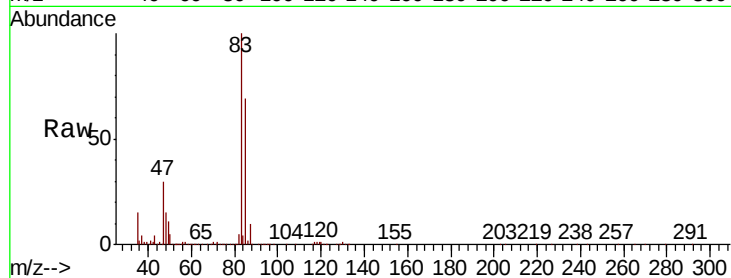
ClientSampleId :

Tot Ion: 83 Resp: 2464186

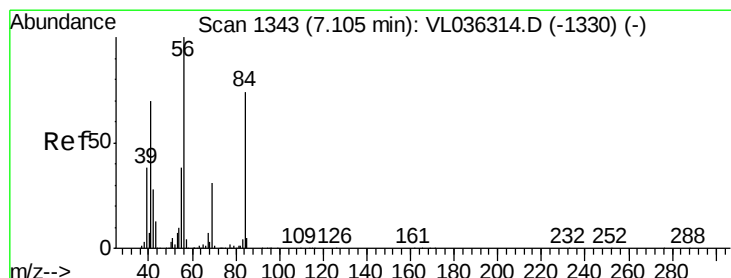
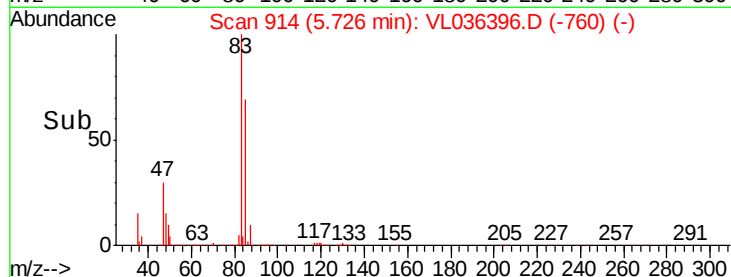
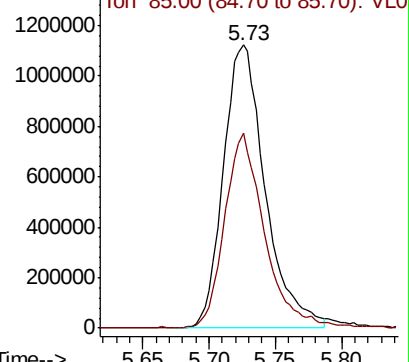
Ion Ratio Lower Upper

83 100

85 68.7 51.4 77.2



Abundance Ion 83.00 (82.70 to 83.70): VL0



#30

Cyclohexane

Concen: 10.644 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

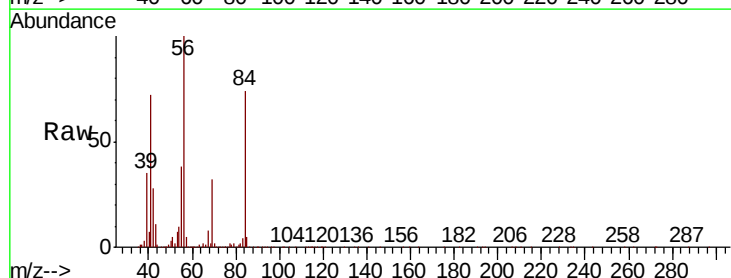
Tgt Ion: 84 Resp: 1292035

Ion Ratio Lower Upper

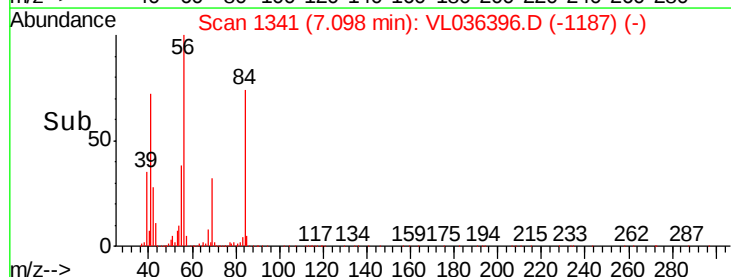
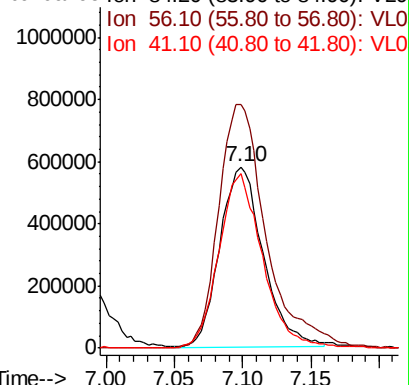
84 100

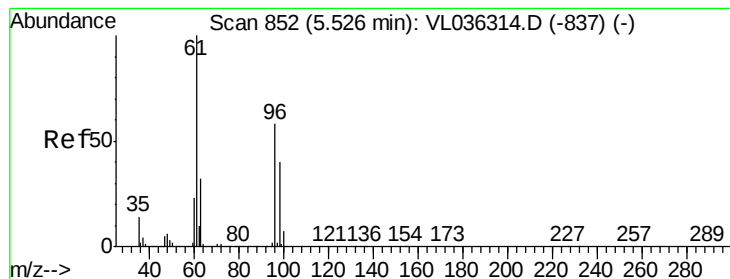
56 148.3 120.2 180.4

41 96.6 79.7 119.5



Abundance Ion 84.20 (83.90 to 84.90): VL0



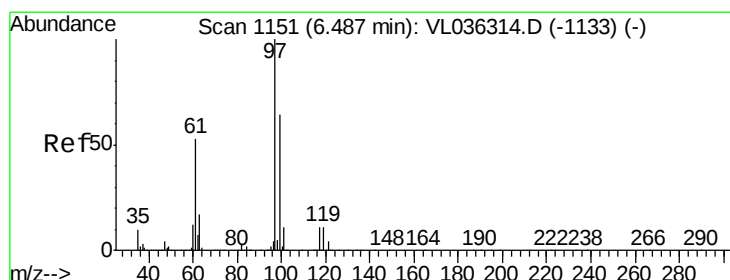
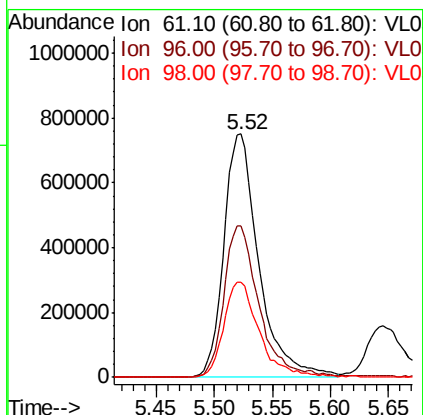
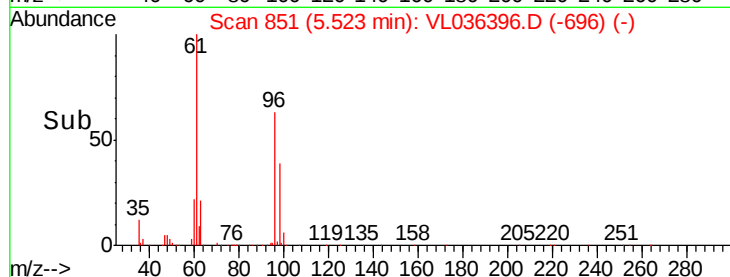
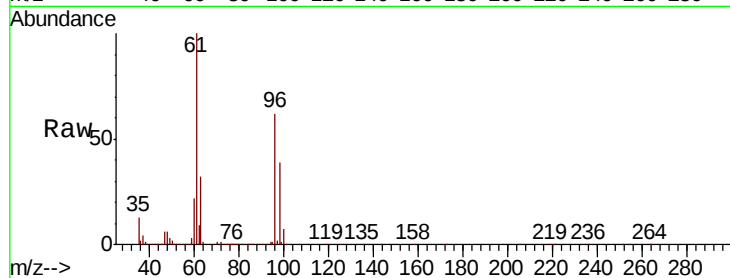


#31

cis-1,2-Dichloroethene
Concen: 10.849 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampled :

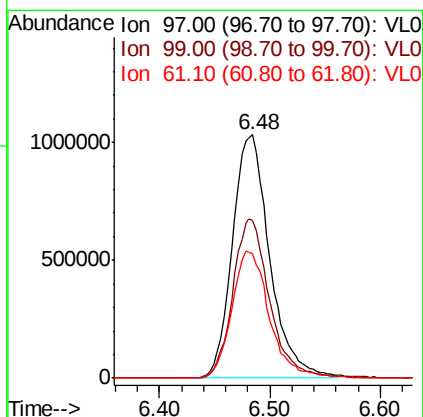
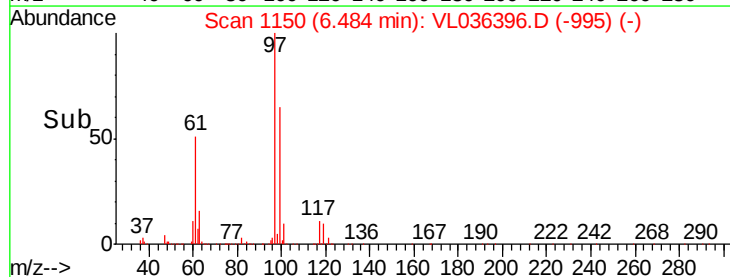
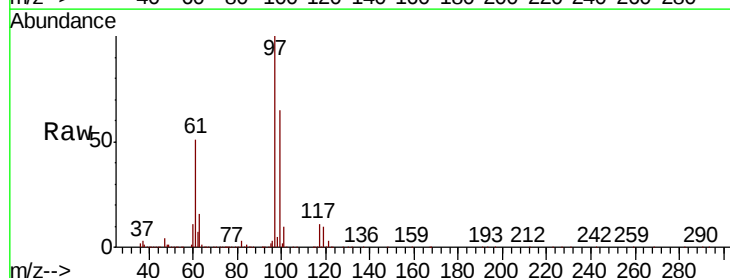
Tot Ion: 61 Resp: 1566907
Ion Ratio Lower Upper
61 100
96 62.0 46.0 69.0
98 38.8 31.9 47.9

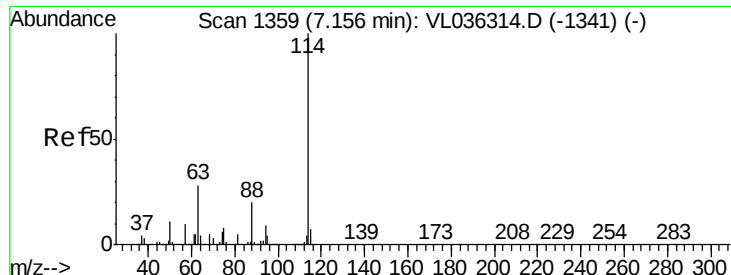


#32

1,1,1-Trichloroethane
Concen: 11.029 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion: 97 Resp: 2424762
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.4
61 52.9 43.3 64.9

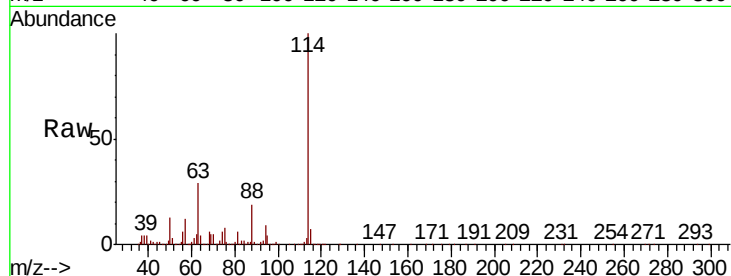




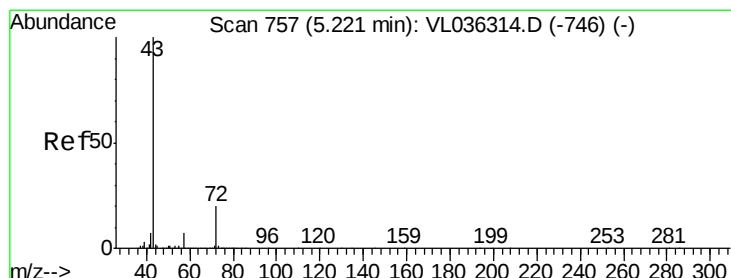
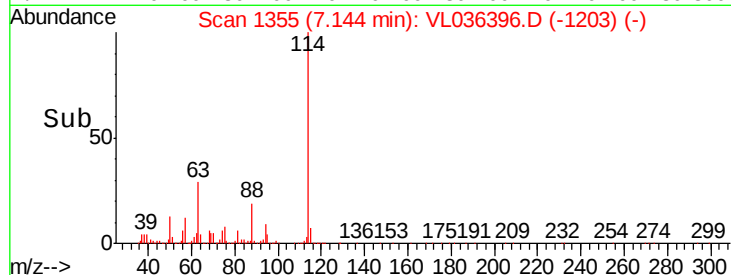
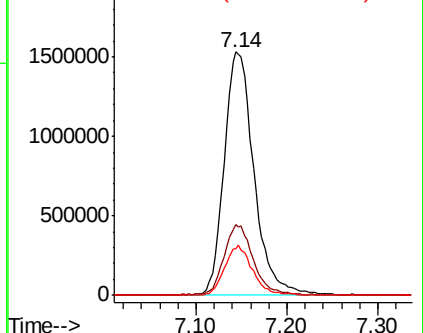
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3479428
 Ion Ratio Lower Upper
 114 100
 63 29.1 24.1 36.1
 88 19.5 16.0 24.0

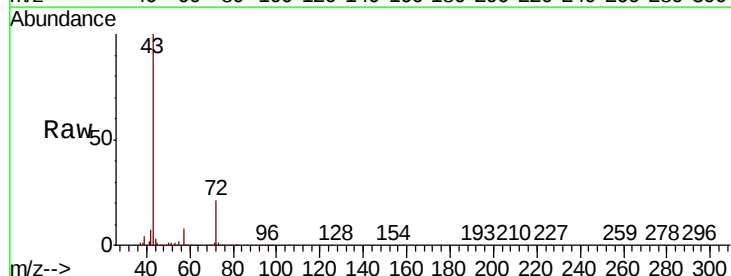


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

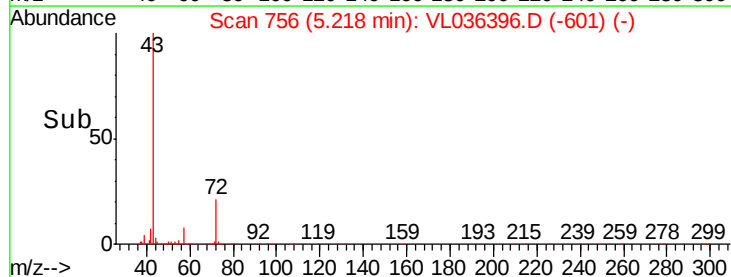
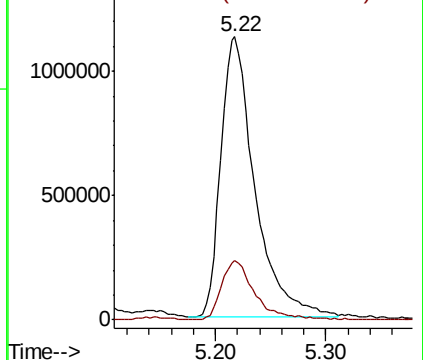


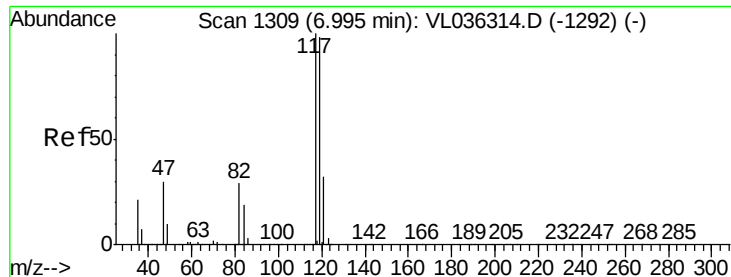
#34
 2-Butanone
 Concen: 10.424 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 43 Resp: 2409920
 Ion Ratio Lower Upper
 43 100
 72 20.7 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.643 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

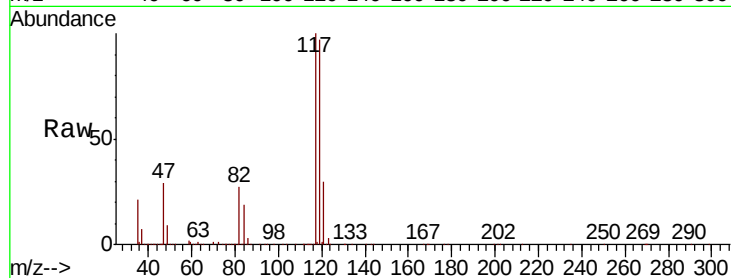
Tot Ion:117 Resp: 2481793

Ion Ratio Lower Upper

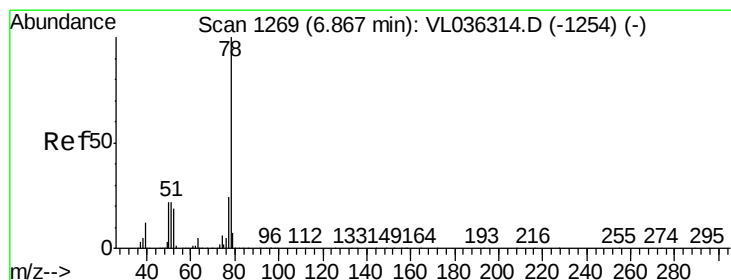
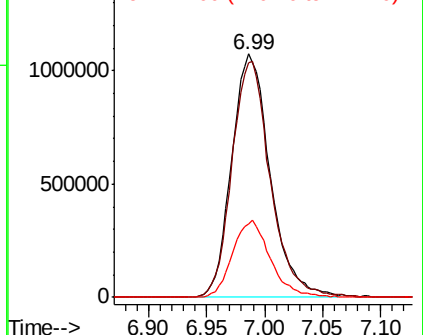
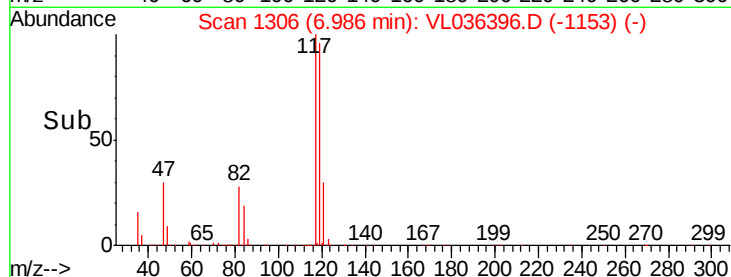
117 100

119 96.5 78.1 117.1

121 30.0 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: 11.017 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

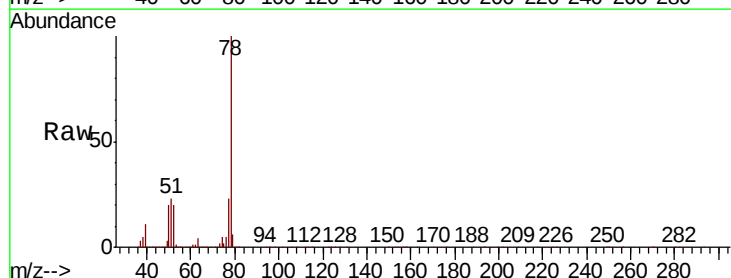
Tgt Ion: 78 Resp: 3256106

Ion Ratio Lower Upper

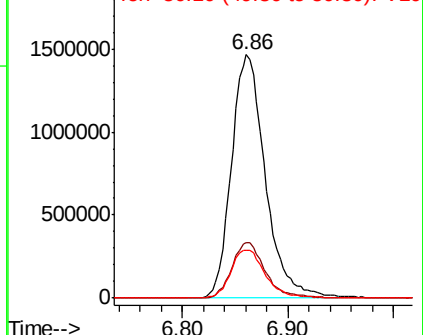
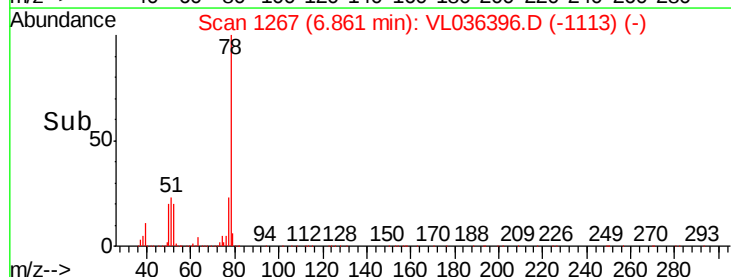
78 100

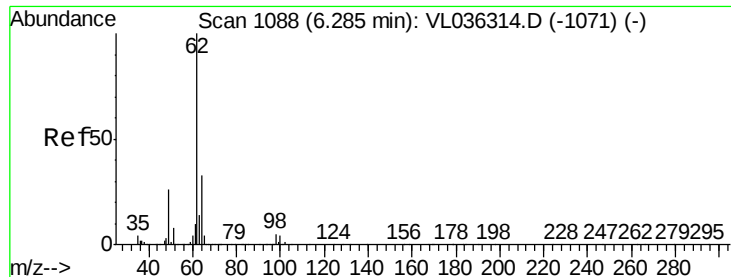
77 22.8 18.9 28.3

50 19.8 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

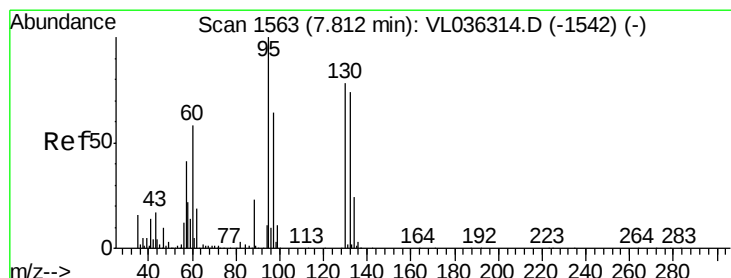
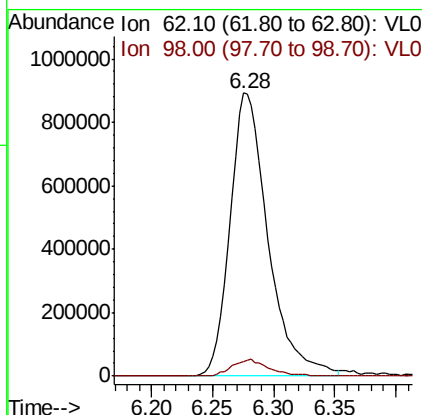
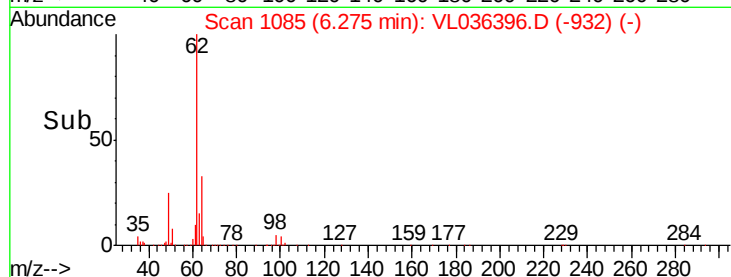
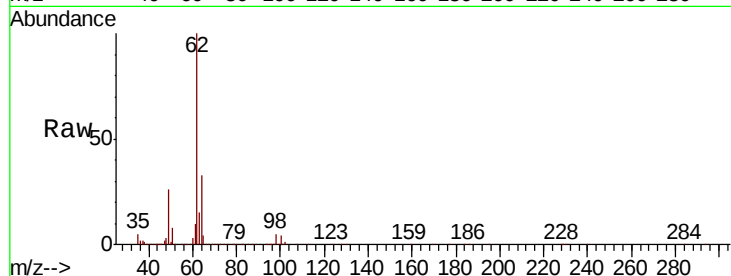




#37
 1,2-Dichloroethane
 Concen: 10.608 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

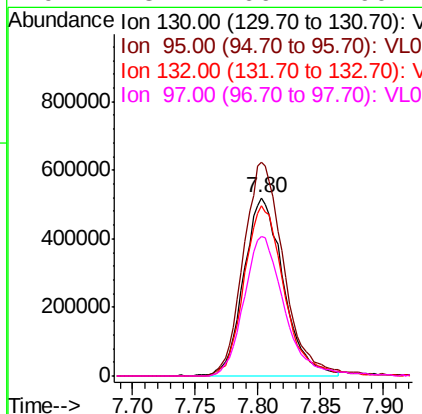
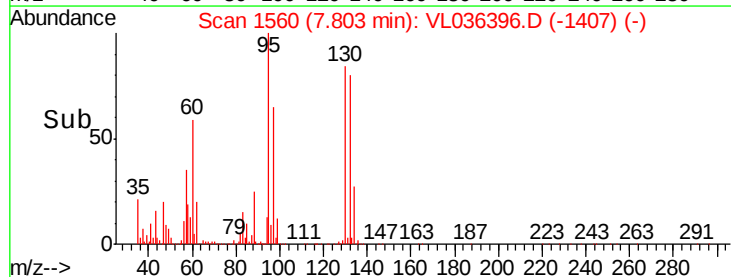
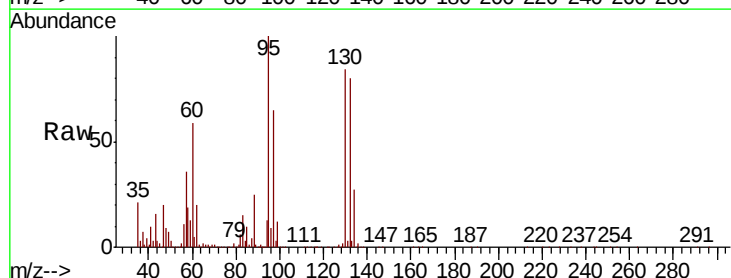
Instrument :
 MSVOA_L
 ClientSampled :

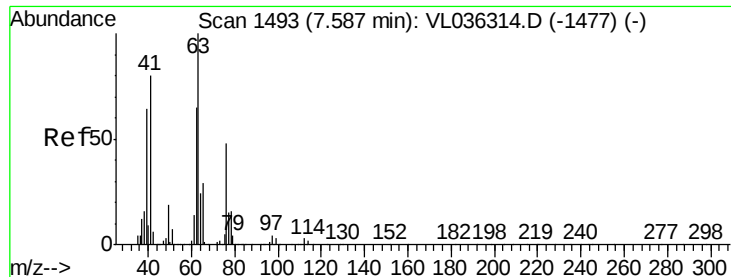
Tot Ion: 62 Resp: 1938496
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7



#38
 Trichloroethene
 Concen: 10.686 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion:130 Resp: 1131496
 Ion Ratio Lower Upper
 130 100
 95 120.0 102.8 154.2
 132 95.4 75.7 113.5
 97 78.4 66.2 99.2



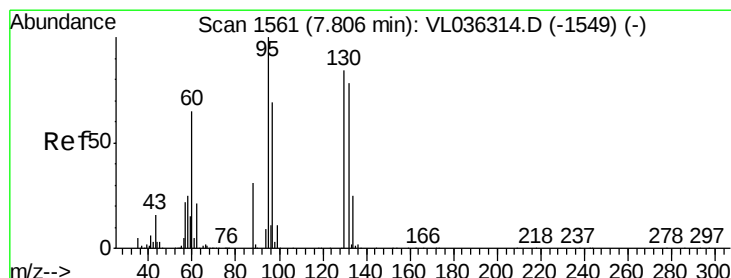
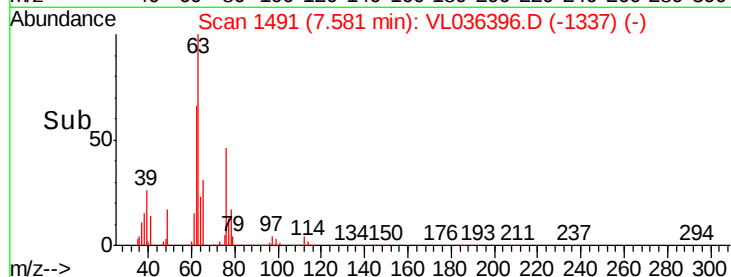
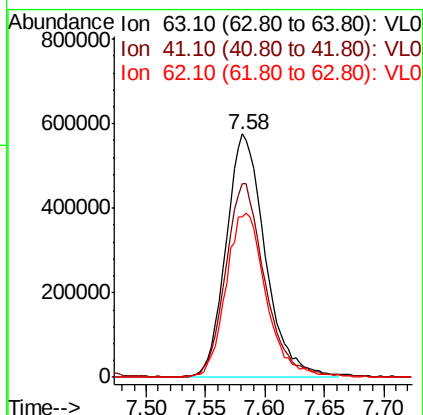
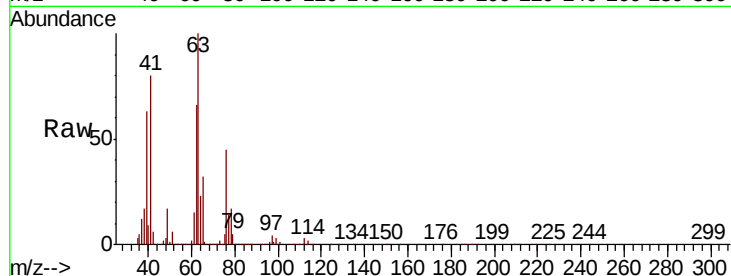


#39
 1,2-Dichloropropane
 Concen: 10.889 ppbv
 RT: 7.58 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1307331

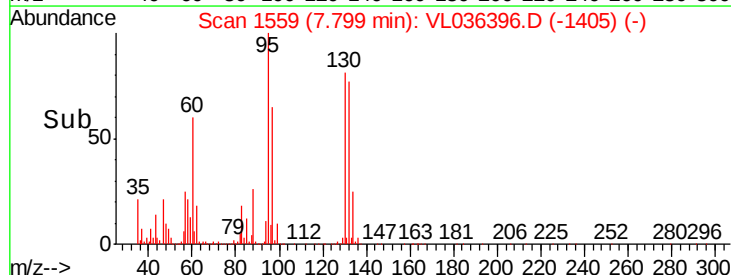
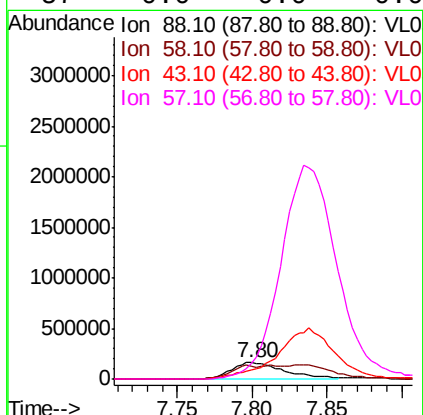
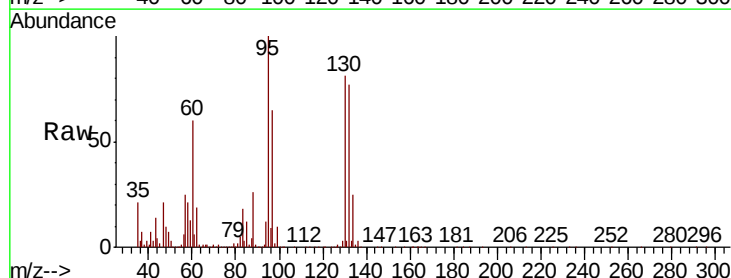
Ion	Ratio	Lower	Upper
63	100		
41	79.0	63.8	95.6
62	65.6	52.3	78.5

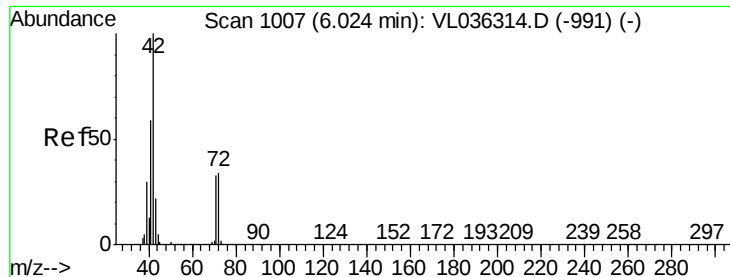


#40
 1,4-Dioxane
 Concen: 9.652 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 88 Resp: 401524

Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.138 ppbv

RT: 6.02 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

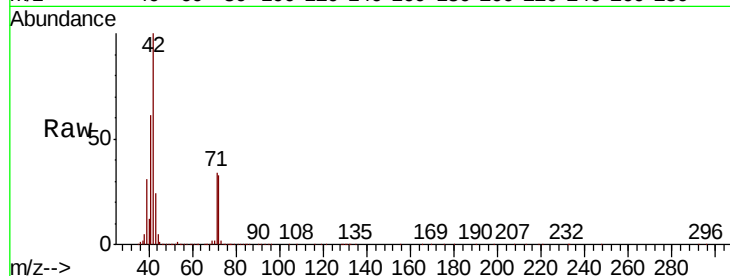
Tot Ion: 42 Resp: 1436860

Ion Ratio Lower Upper

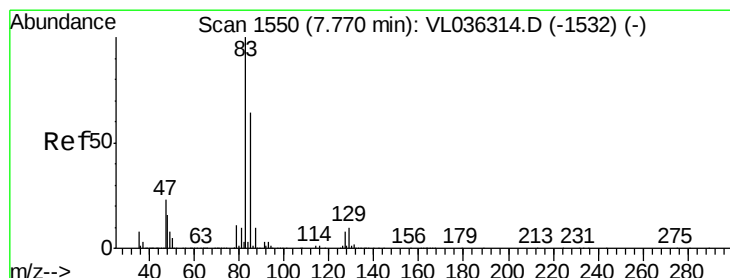
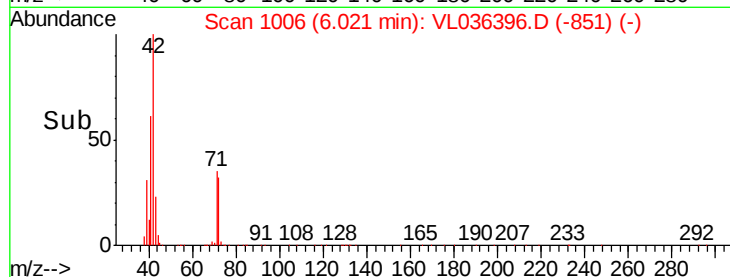
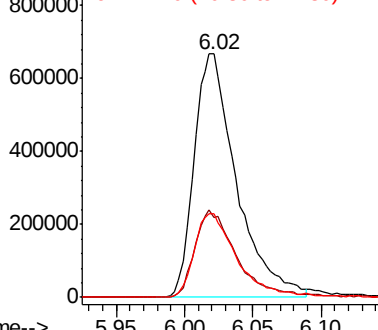
42 100

72 36.1 29.3 43.9

71 35.3 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: 10.866 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

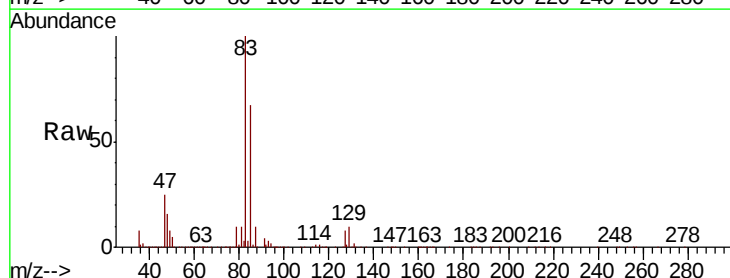
Tgt Ion: 83 Resp: 2659330

Ion Ratio Lower Upper

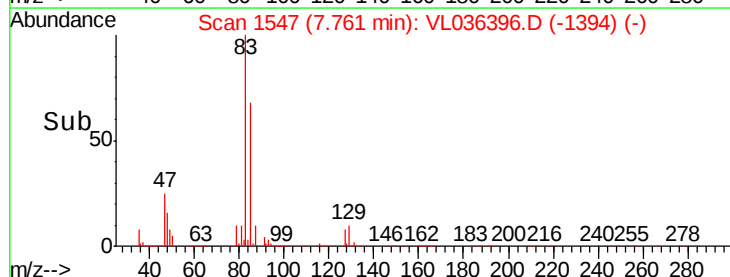
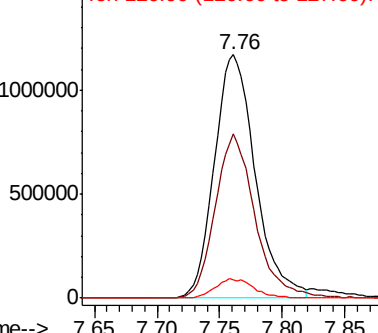
83 100

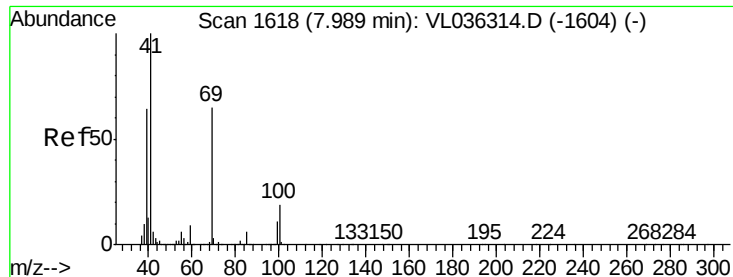
85 67.5 51.1 76.7

127 7.5 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

Methyl Methacrylate

Concen: 11.459 ppbv

RT: 7.99 min Scan# 1617

Delta R.T. -0.00 min

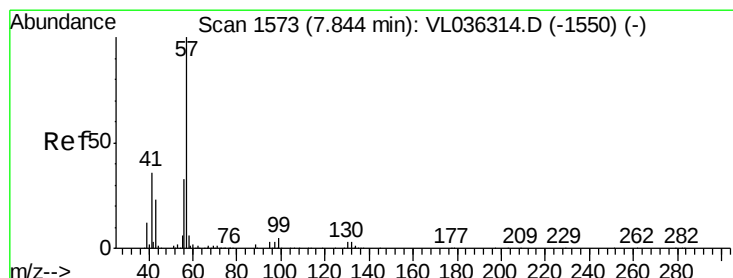
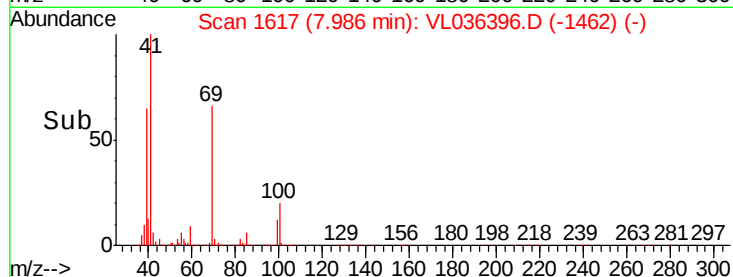
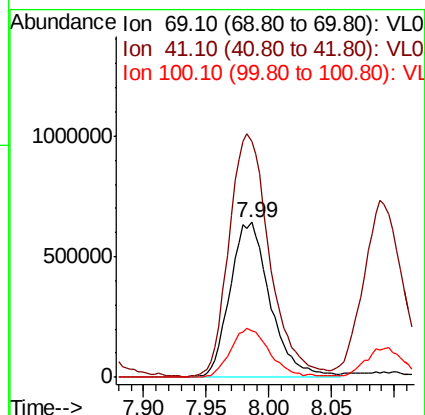
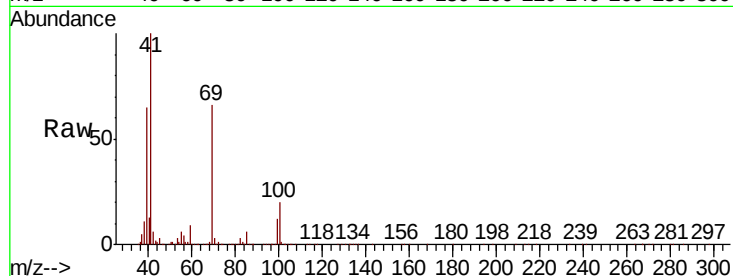
Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1428350

Ion	Ratio	Lower	Upper
69	100		
41	158.4	126.5	189.7
100	31.3	23.1	34.7



#44

2,2,4-Trimethylpentane

Concen: 10.331 ppbv

RT: 7.83 min Scan# 1570

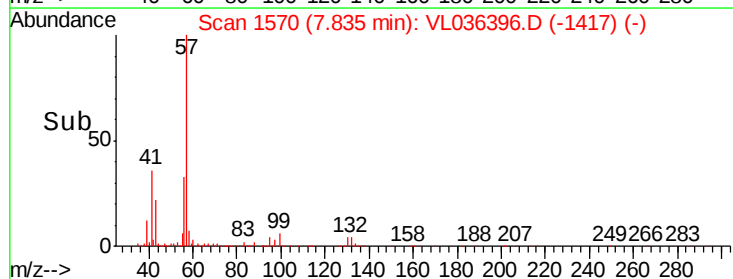
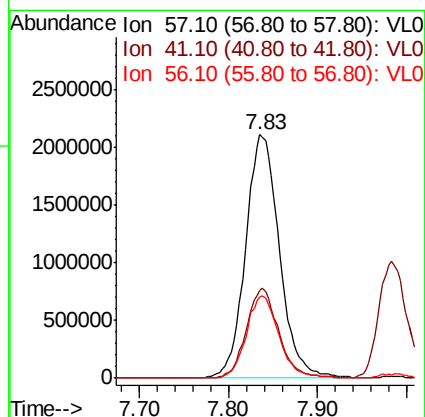
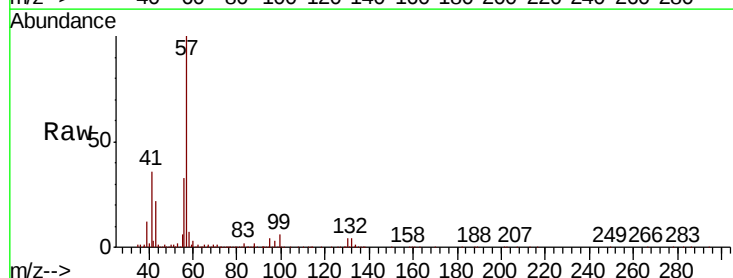
Delta R.T. -0.01 min

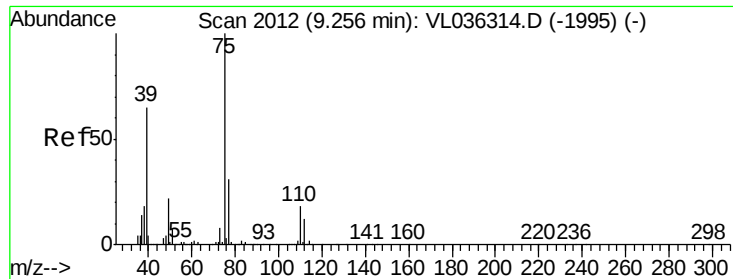
Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion: 57 Resp: 5552151

Ion	Ratio	Lower	Upper
57	100		
41	35.1	28.8	43.2
56	32.6	25.8	38.6

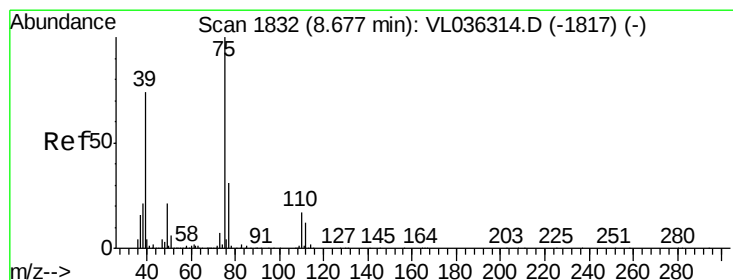
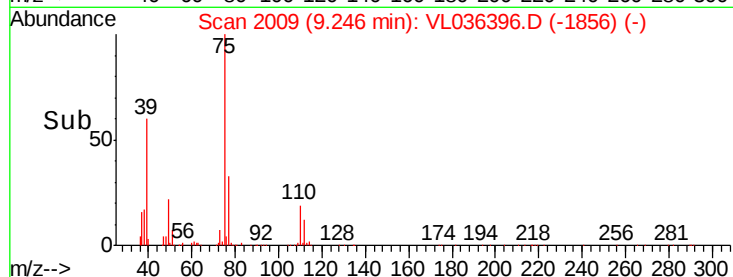
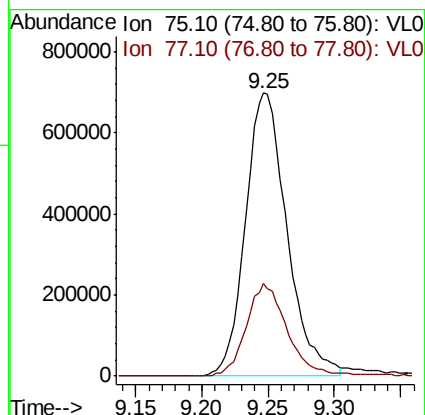
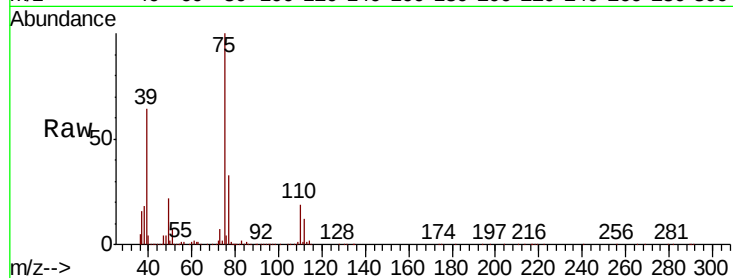




#45
 t-1,3-Dichloropropene
 Concen: 12.611 ppbv
 RT: 9.25 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

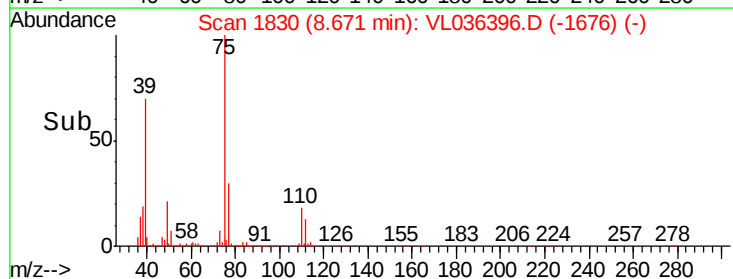
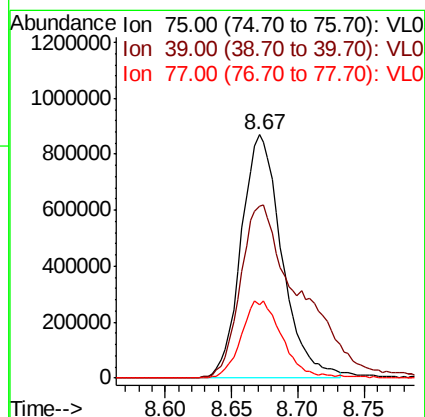
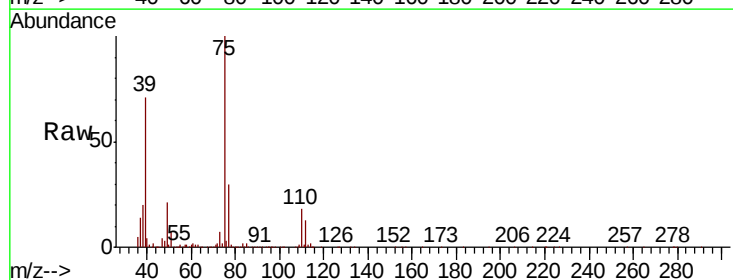
Instrument :
 MSVOA_L
 ClientSampleId :

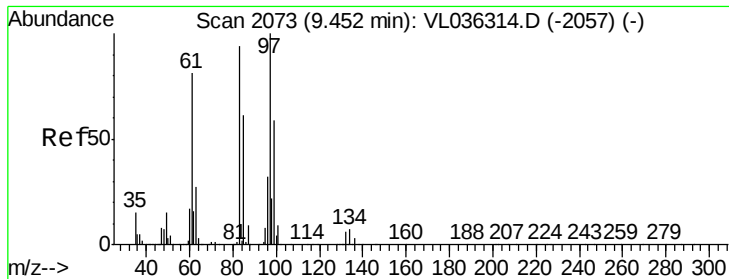
Tot Ion: 75 Resp: 1516422
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 12.177 ppbv
 RT: 8.67 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 75 Resp: 1859922
 Ion Ratio Lower Upper
 75 100
 39 70.3 59.2 88.8
 77 30.1 25.0 37.6



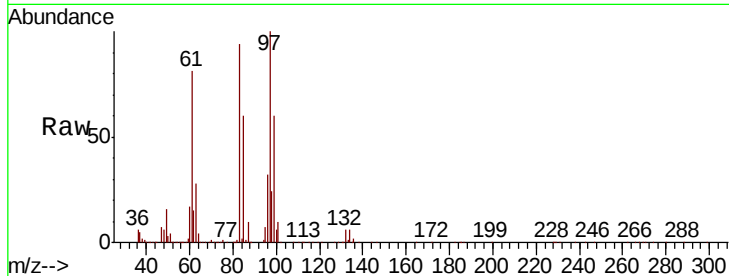


#47
 1,1,2-Trichloroethane
 Concen: 10.610 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1303691

Ion	Ratio	Lower	Upper
97	100		
83	93.8	75.4	113.0
85	59.6	48.9	73.3
99	60.2	46.9	70.3



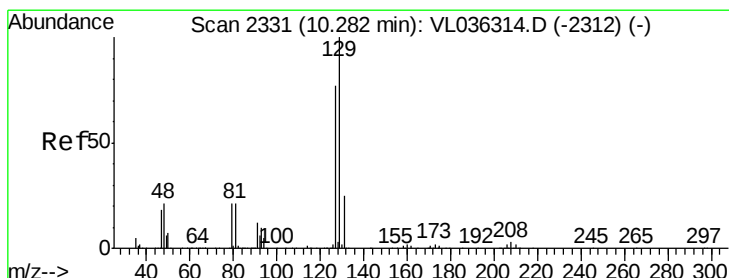
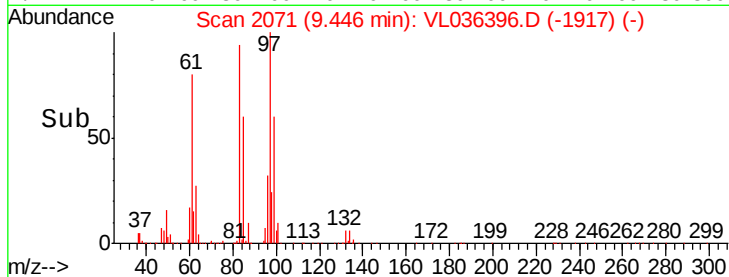
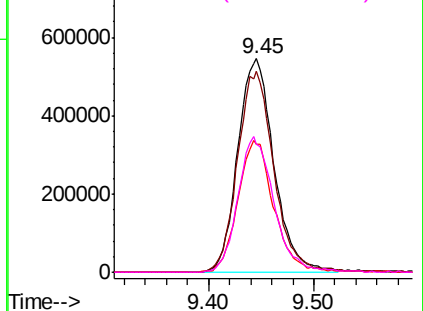
Abundance

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

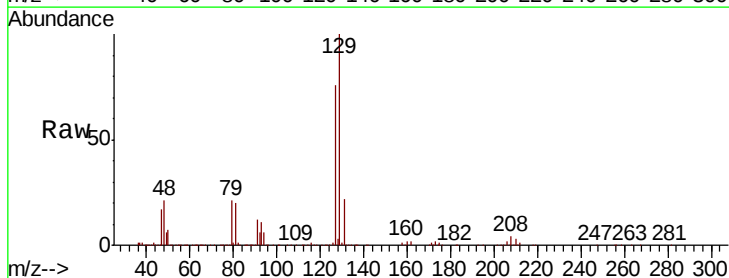
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.797 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 129 Resp: 2162967

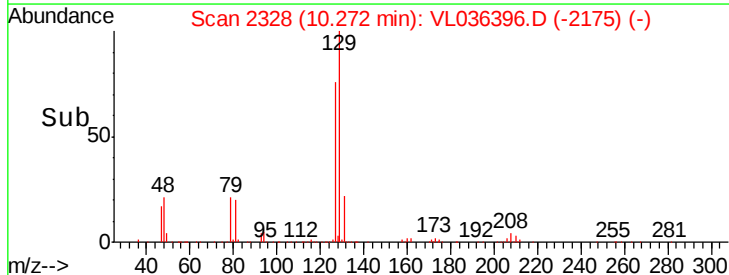
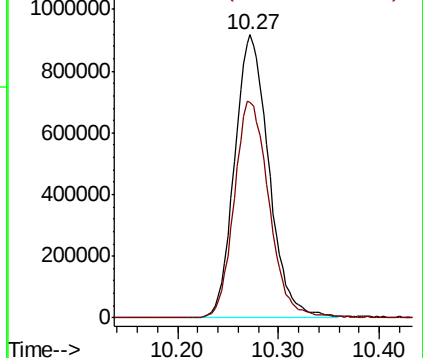
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2

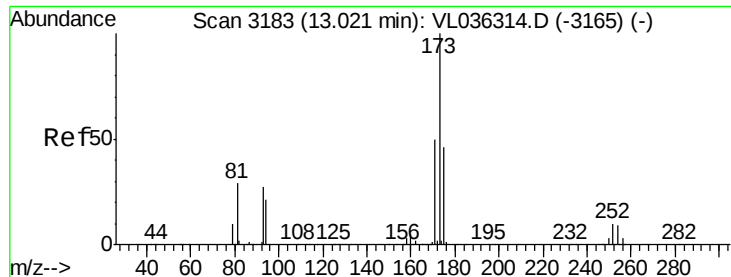


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.145 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

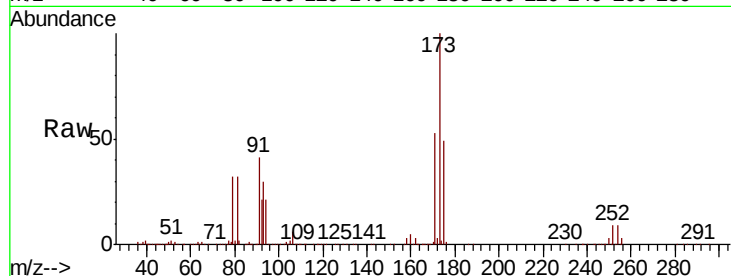
Tot Ion:173 Resp: 1800167

Ion Ratio Lower Upper

173 100

175 50.5 40.2 60.2

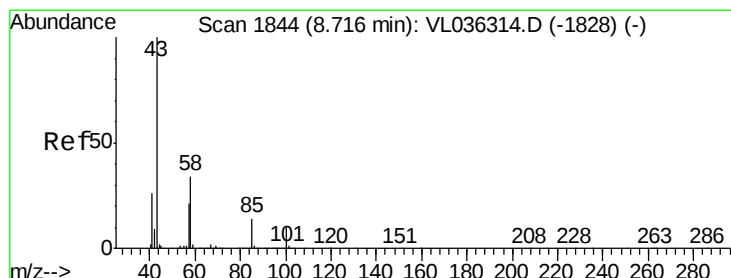
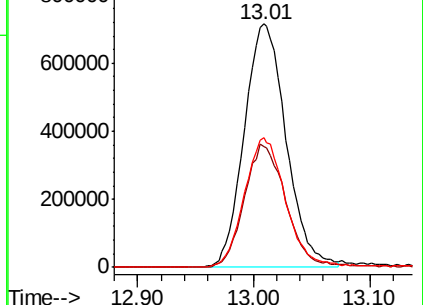
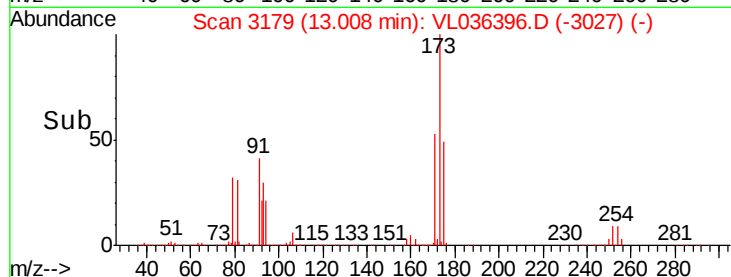
171 52.7 43.4 65.2



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: 11.025 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL036396.D

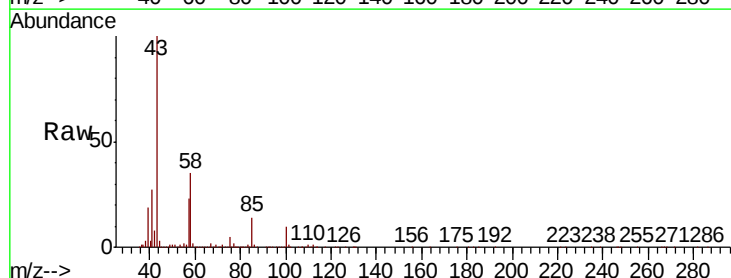
Acq: 26 Feb 2021 9:48

Tgt Ion: 43 Resp: 3783776

Ion Ratio Lower Upper

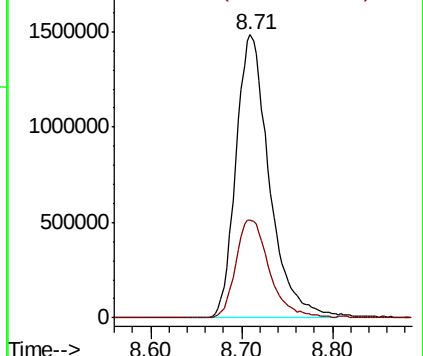
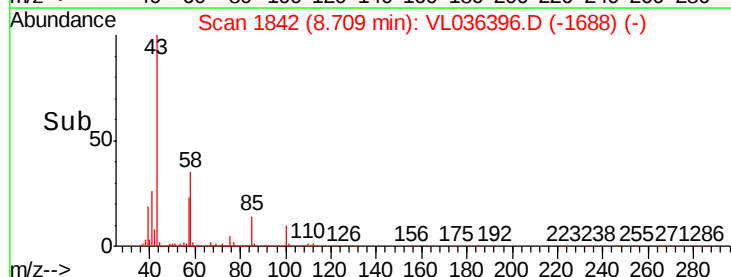
43 100

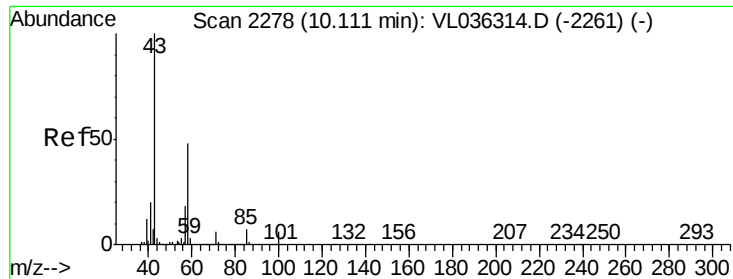
58 35.2 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

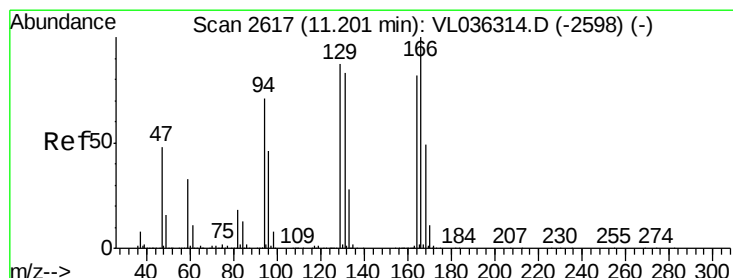
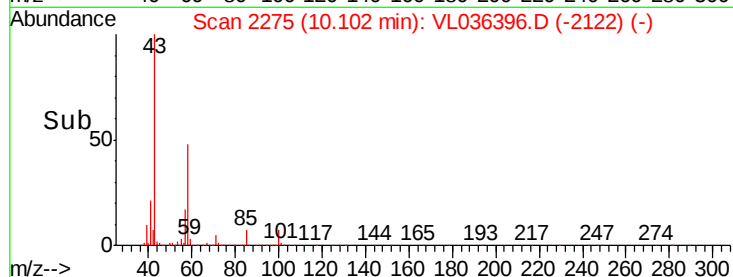
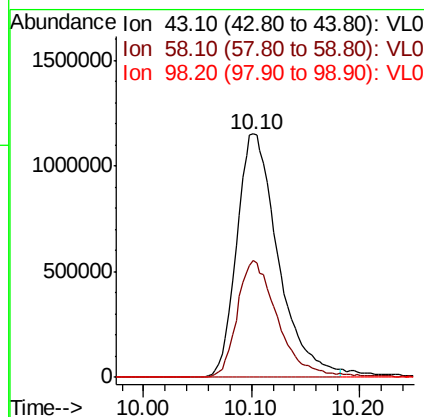
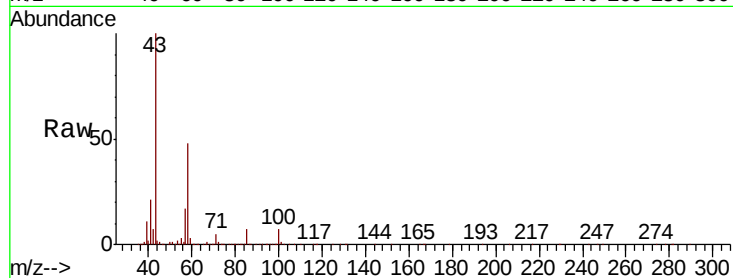




#51
2-Hexanone
Concen: 11.800 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

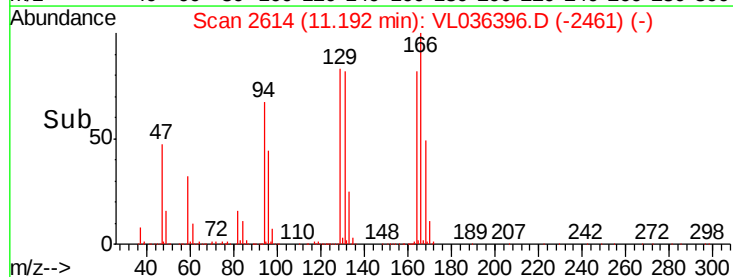
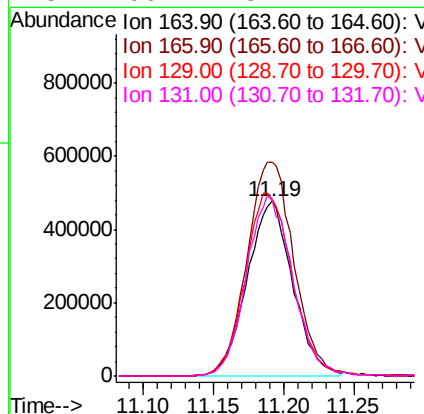
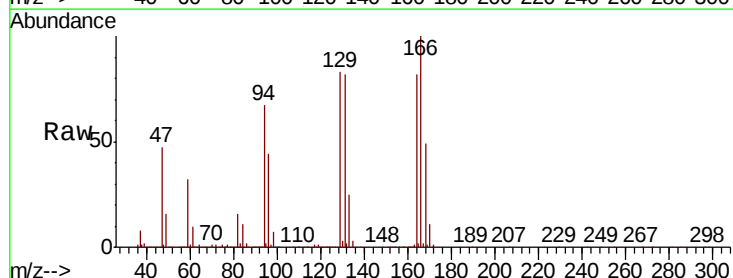
Instrument :
MSVOA_L
ClientSampleId :

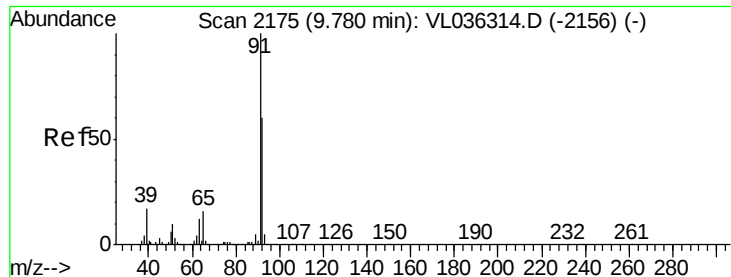
Tot Ion: 43 Resp: 3077030
Ion Ratio Lower Upper
43 100
58 47.8 38.7 58.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.934 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL036396.D
Acq: 26 Feb 2021 9:48

Tgt Ion:164 Resp: 1074872
Ion Ratio Lower Upper
164 100
166 121.8 97.8 146.8
129 101.0 84.9 127.3
131 100.1 81.4 122.2





#53

Toluene

Concen: 11.405 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

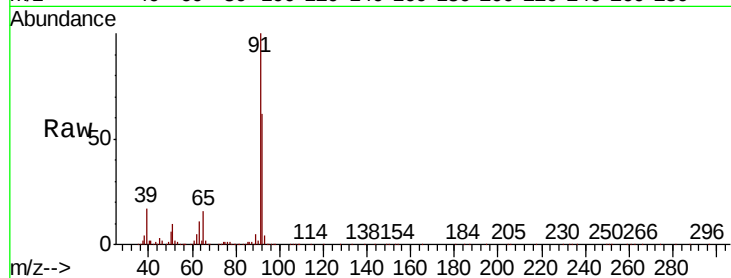
ClientSampleId :

Tot Ion: 91 Resp: 3651143

Ion Ratio Lower Upper

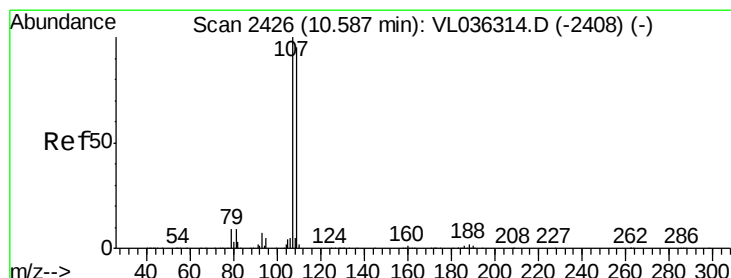
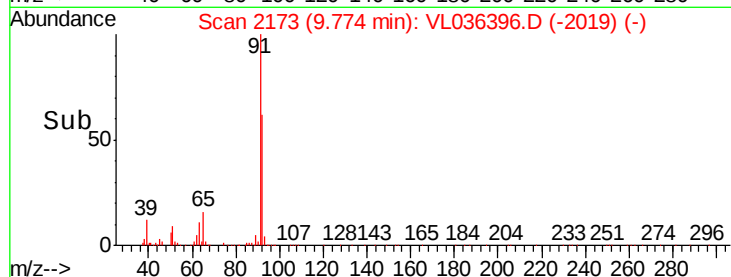
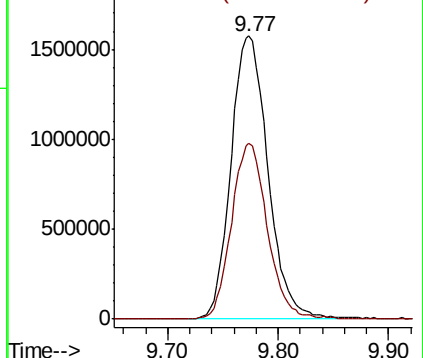
91 100

92 60.8 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.895 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036396.D

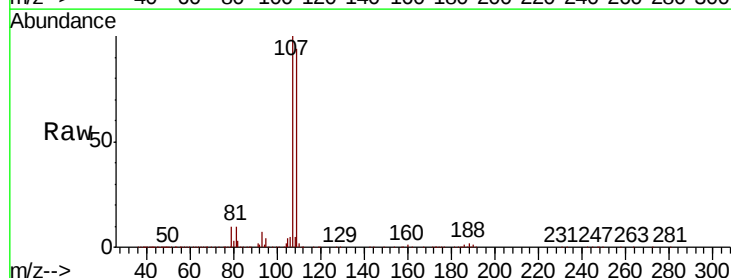
Acq: 26 Feb 2021 9:48

Tgt Ion: 107 Resp: 1934526

Ion Ratio Lower Upper

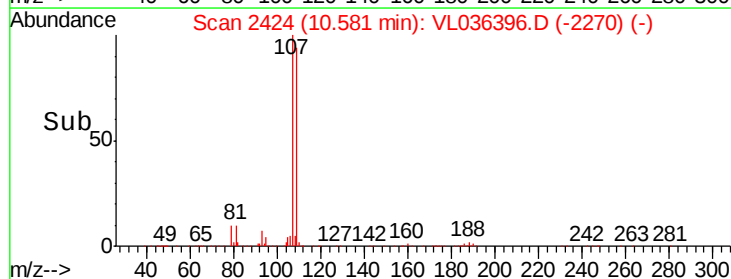
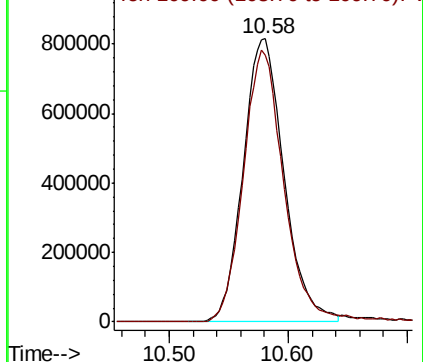
107 100

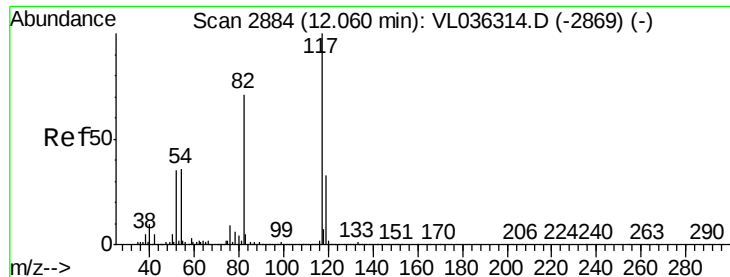
109 94.2 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

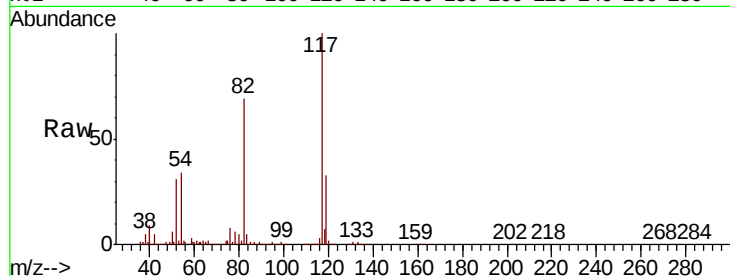
Tot Ion:117 Resp: 4209143

Ion Ratio Lower Upper

117 100

82 56.0 59.1 88.7#

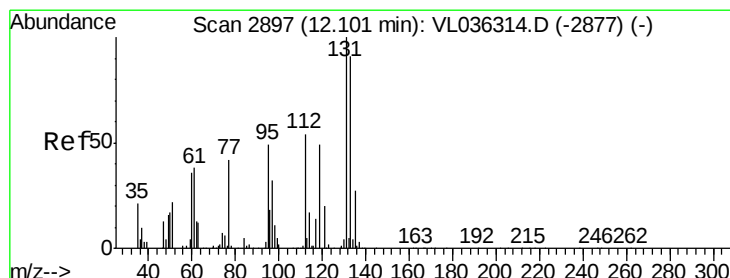
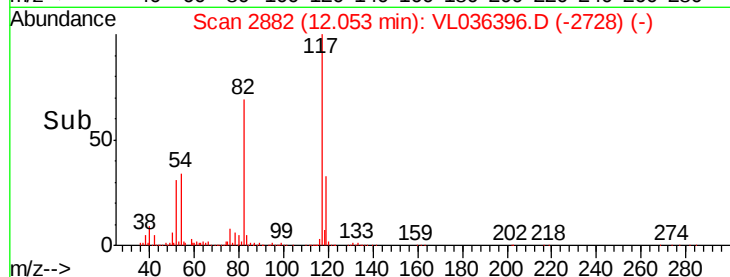
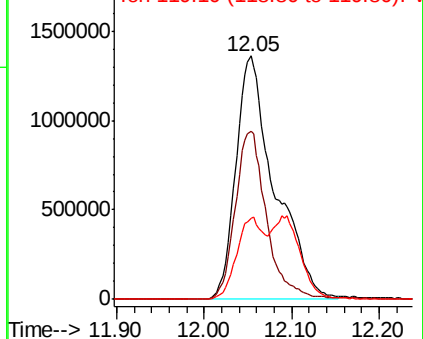
119 22.3 46.3 69.5#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.283 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

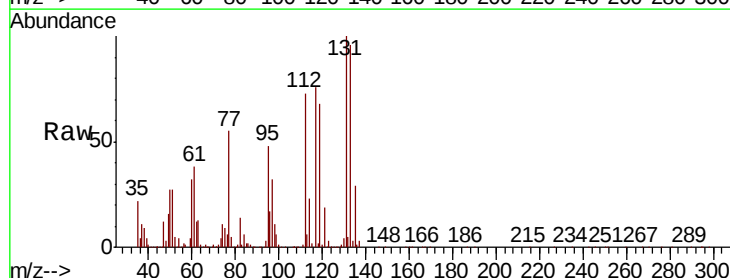
Tgt Ion:131 Resp: 1603523

Ion Ratio Lower Upper

131 100

133 96.8 76.0 114.0

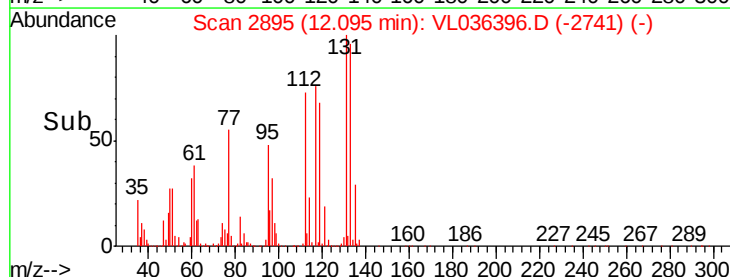
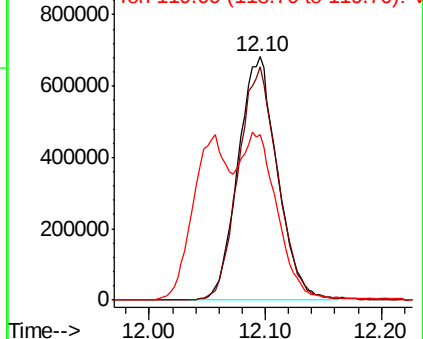
119 69.0 115.1 172.7#

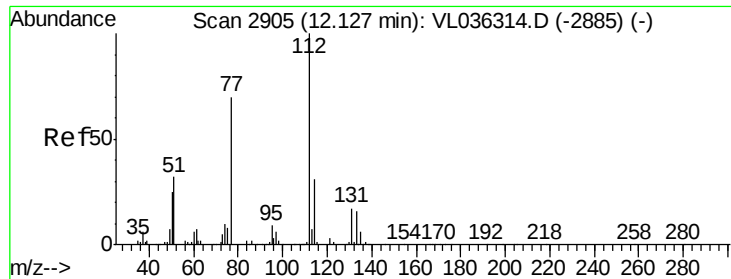


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.094 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampled :

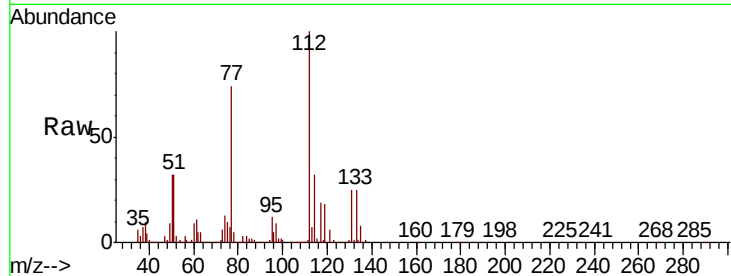
Tot Ion:112 Resp: 2632354

Ion Ratio Lower Upper

112 100

77 73.5 56.1 84.1

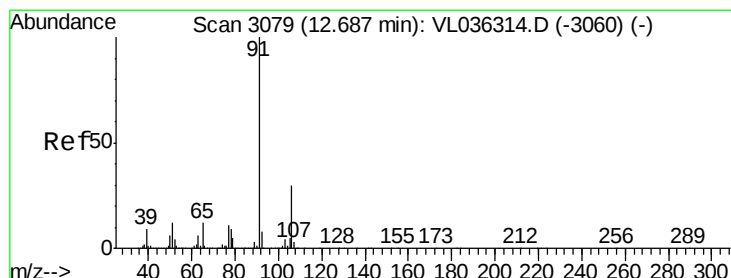
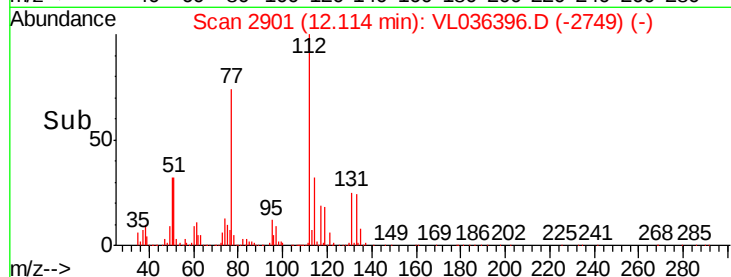
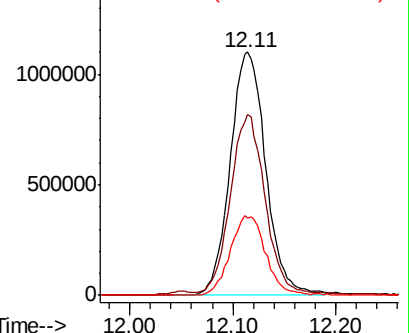
114 31.9 28.3 34.5



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: 8.513 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.01 min

Lab File: VL036396.D

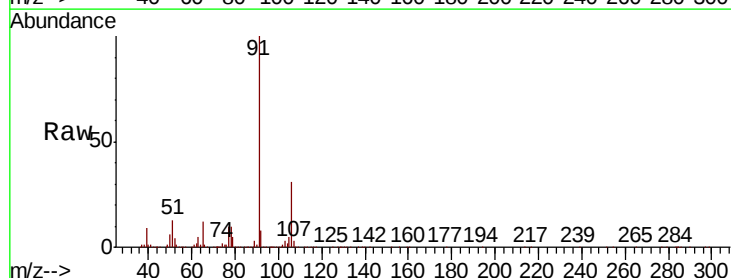
Acq: 26 Feb 2021 9:48

Tgt Ion: 91 Resp: 4906727

Ion Ratio Lower Upper

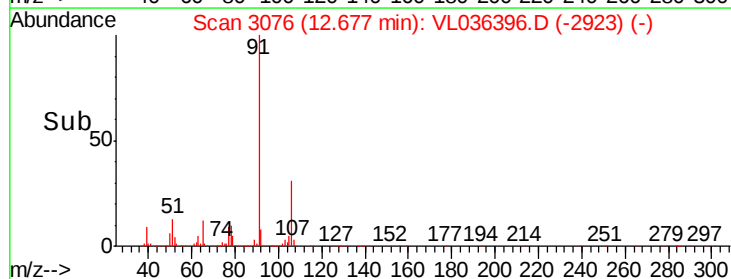
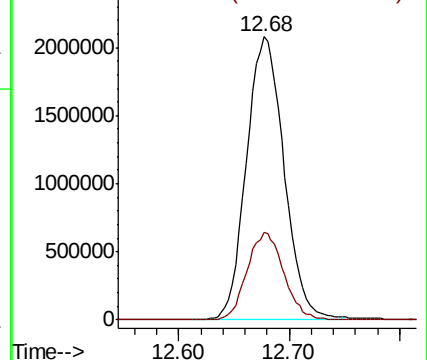
91 100

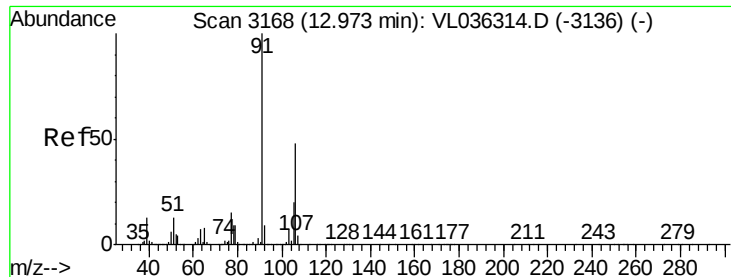
106 31.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.679 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

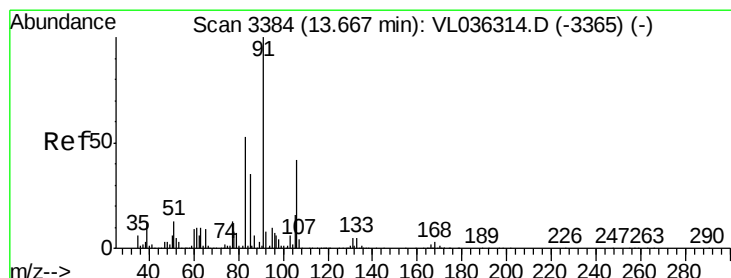
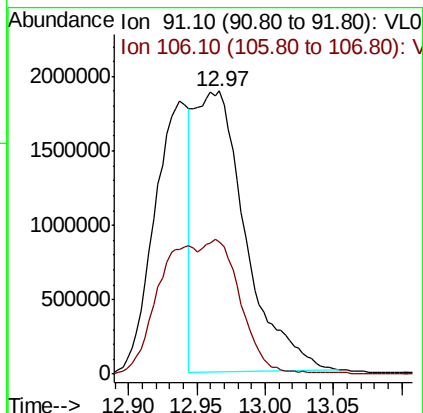
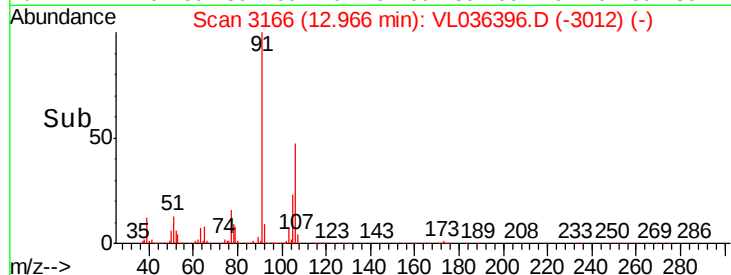
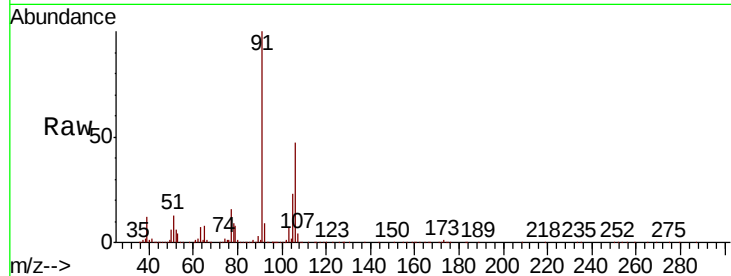
ClientSampled :

Tot Ion: 91 Resp: 4900125

Ion Ratio Lower Upper

91 100

106 73.8 34.2 51.2#



#60

o-Xylene

Concen: 8.103 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. -0.01 min

Lab File: VL036396.D

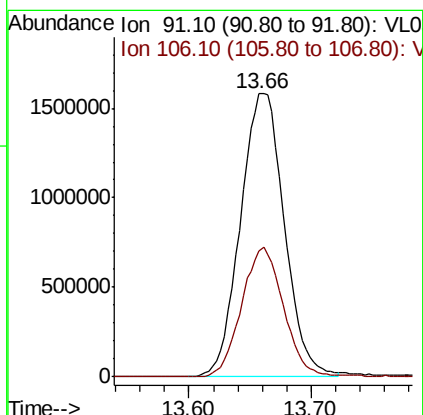
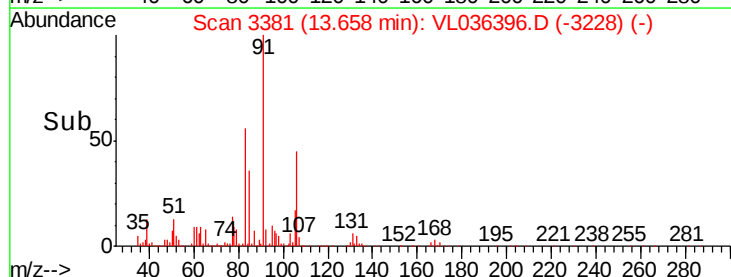
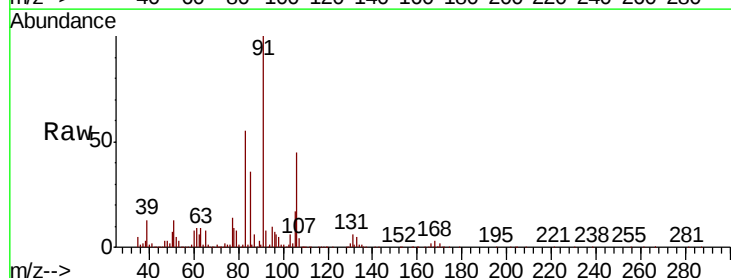
Acq: 26 Feb 2021 9:48

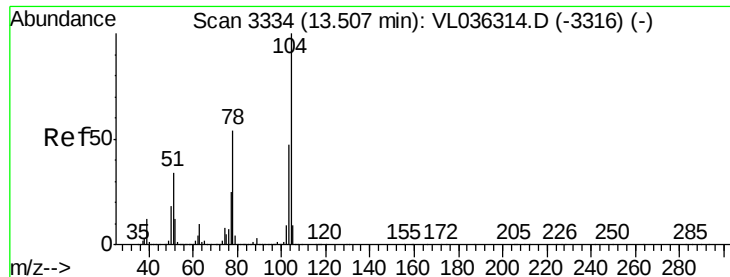
Tgt Ion: 91 Resp: 3922031

Ion Ratio Lower Upper

91 100

106 44.2 22.0 66.0





#61

Stvrene

Concen: 9.508 ppbv

RT: 13.49 min Scan# 3330

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

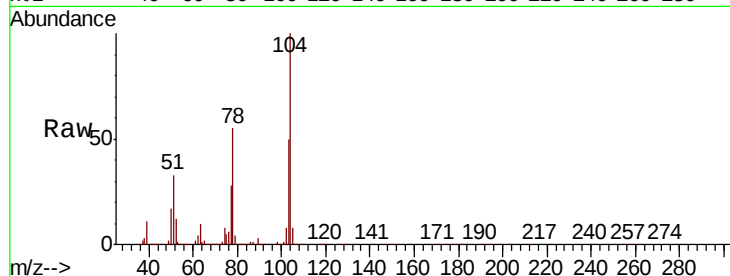
Tot Ion:104 Resp: 2852207

Ion Ratio Lower Upper

104 100

78 55.7 46.2 69.2

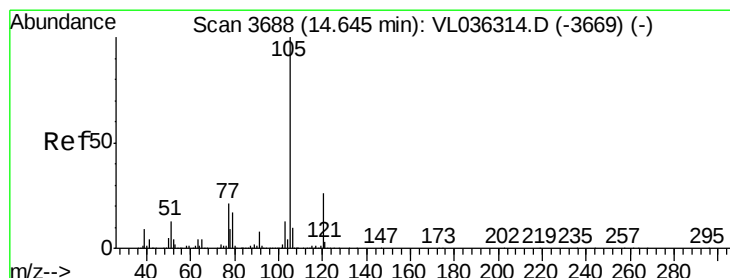
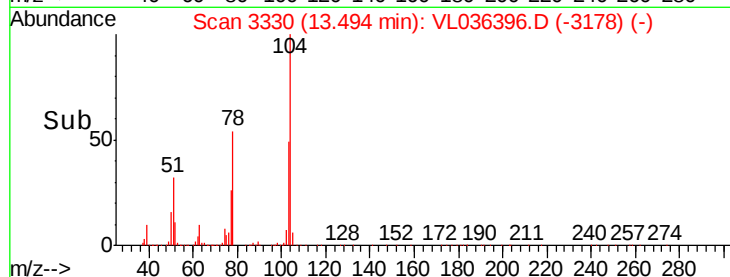
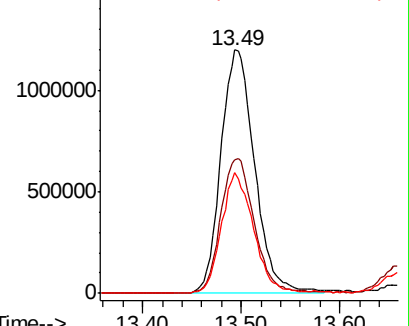
103 47.5 38.3 57.5



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: 8.037 ppbv

RT: 14.64 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VL036396.D

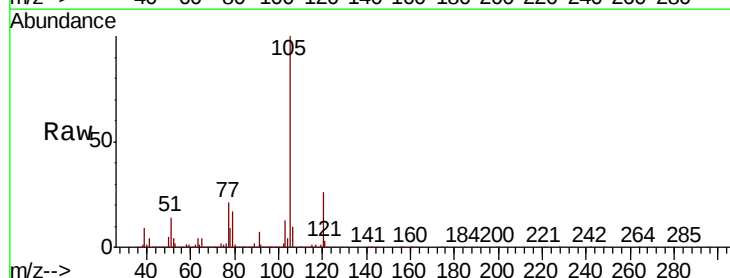
Acq: 26 Feb 2021 9:48

Tgt Ion:105 Resp: 5831494

Ion Ratio Lower Upper

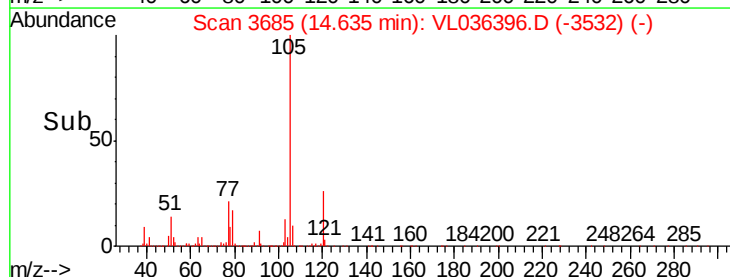
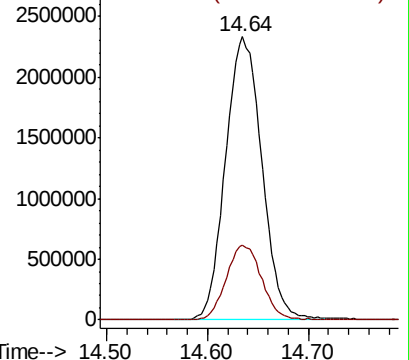
105 100

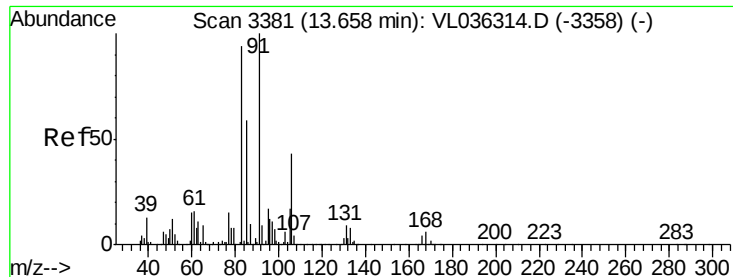
120 26.0 20.6 30.8



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: 7.543 ppbv

RT: 13.64 min Scan# 3377

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

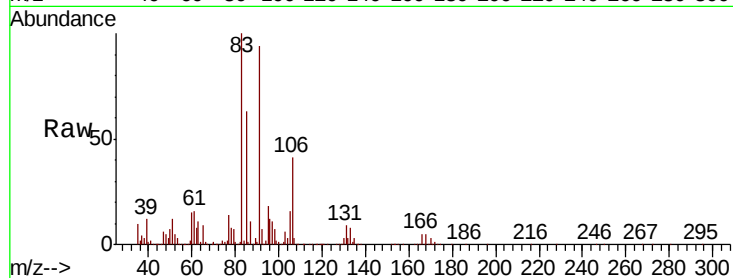
Tot Ion: 83 Resp: 2880772

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.0

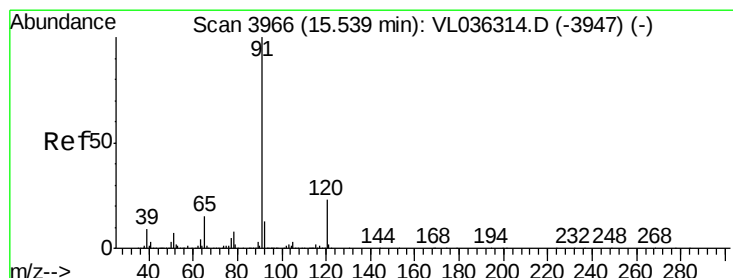
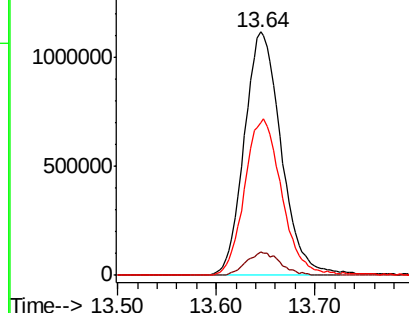
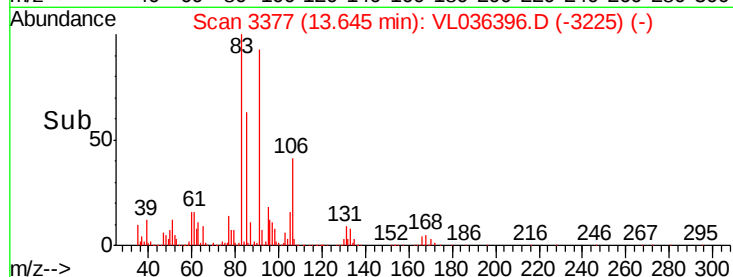
85 65.2 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.543 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.01 min

Lab File: VL036396.D

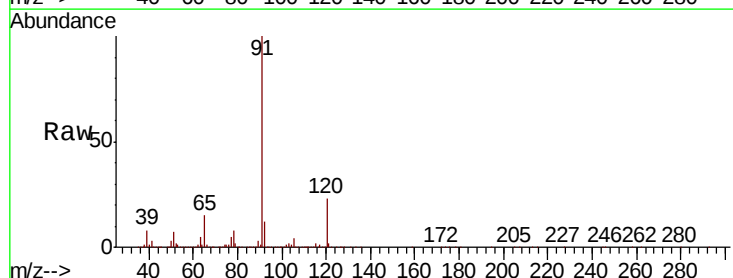
Acq: 26 Feb 2021 9:48

Tgt Ion:120 Resp: 1525475

Ion Ratio Lower Upper

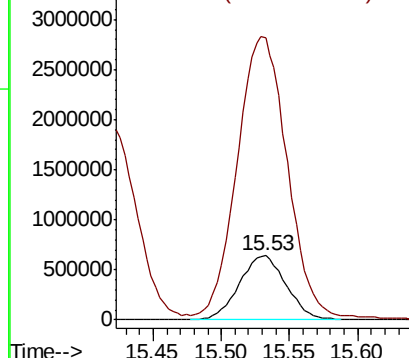
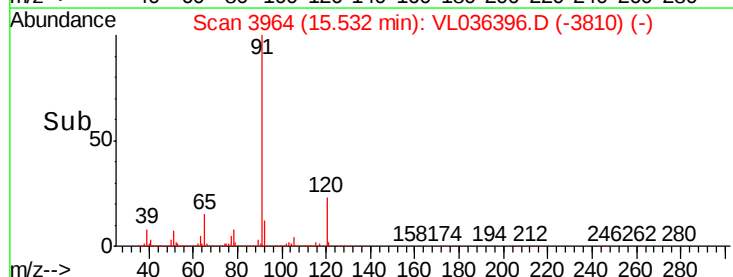
120 100

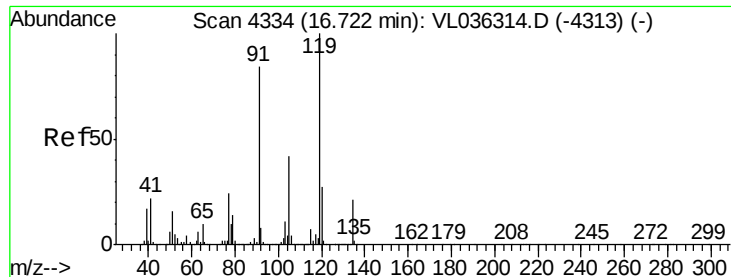
91 479.7 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.031 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

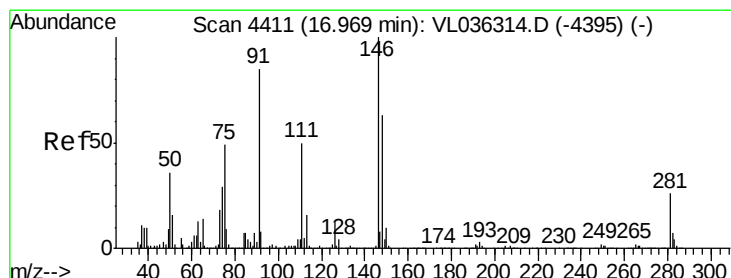
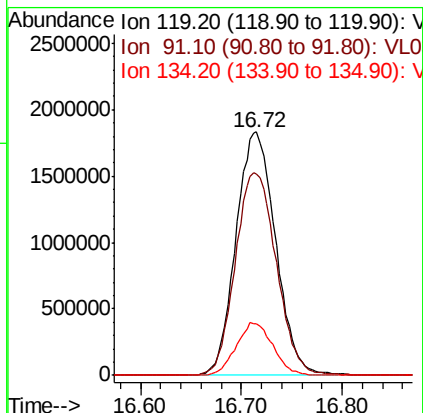
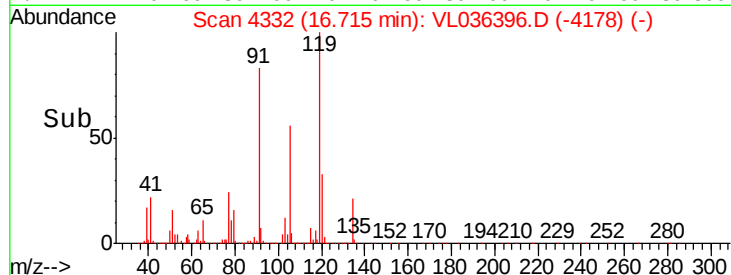
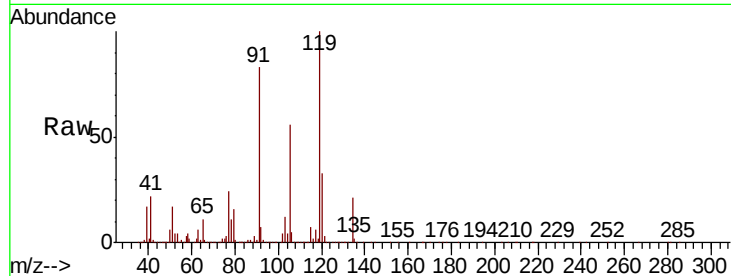
Tot Ion:119 Resp: 4985827

Ion Ratio Lower Upper

119 100

91 86.4 70.5 105.7

134 20.2 15.8 23.8



#66

Benzyl Chloride

Concen: 10.937 ppbv

RT: 16.96 min Scan# 4407

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

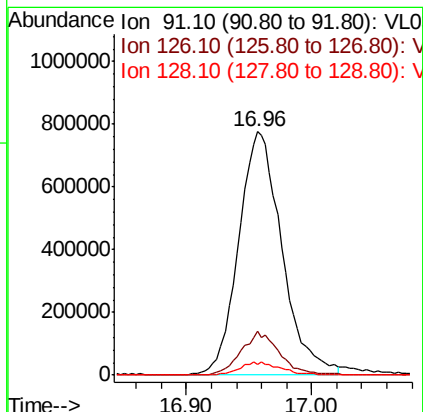
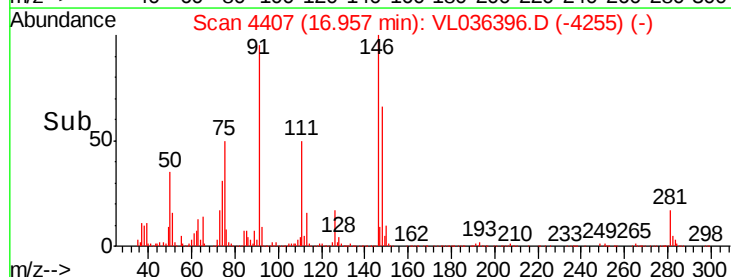
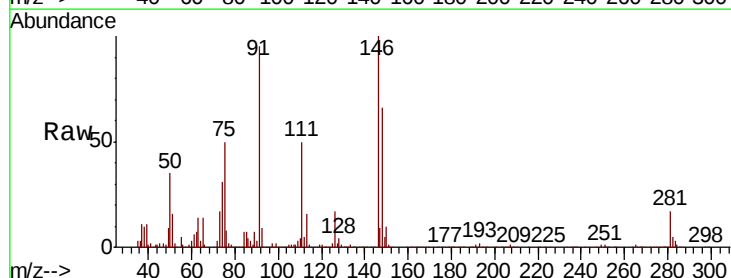
Tgt Ion: 91 Resp: 1845871

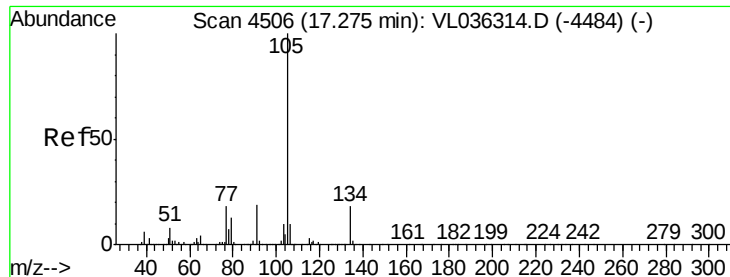
Ion Ratio Lower Upper

91 100

126 16.4 12.9 19.3

128 5.1 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.955 ppbv

RT: 17.26 min Scan# 4502

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

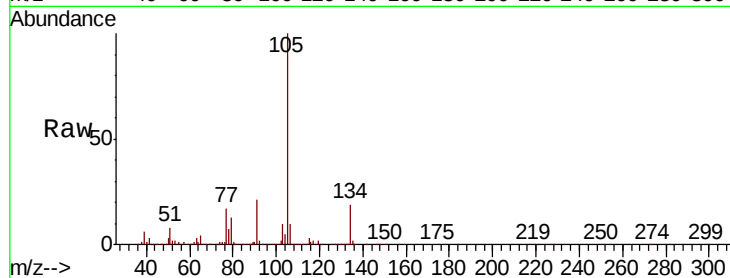
ClientSampleId :

Tot Ion: 105 Resp: 7121812

Ion Ratio Lower Upper

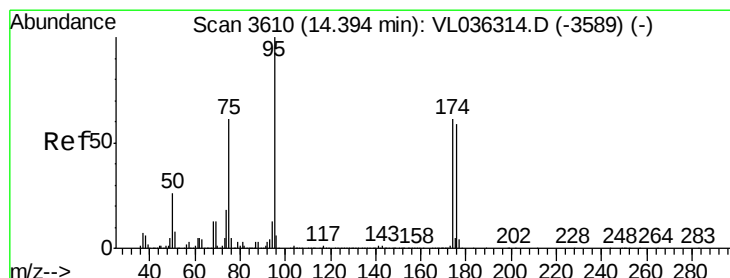
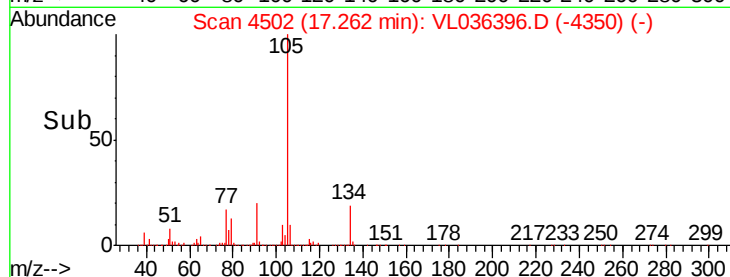
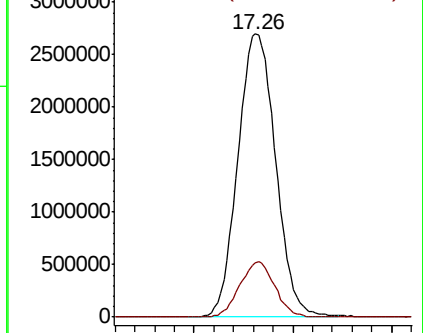
105 100

134 18.3 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.809 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

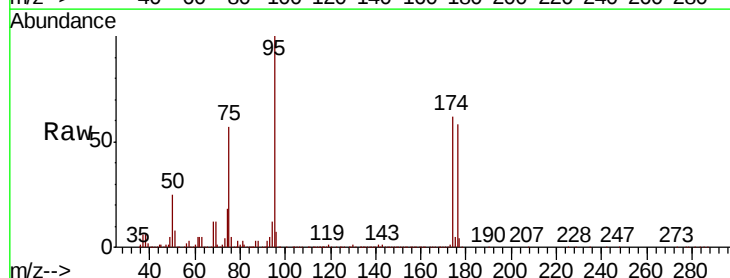
Tgt Ion: 95 Resp: 2704245

Ion Ratio Lower Upper

95 100

174 63.5 49.8 74.6

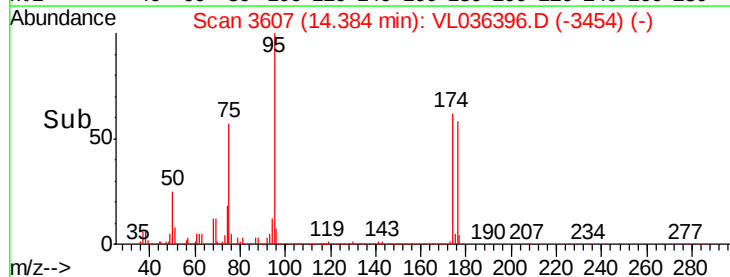
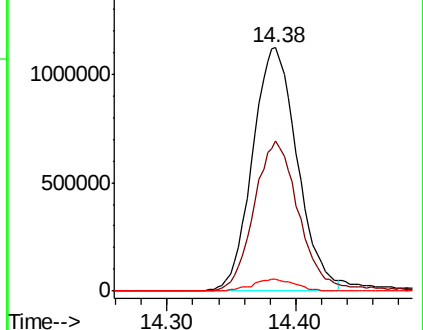
175 4.8 3.7 5.5

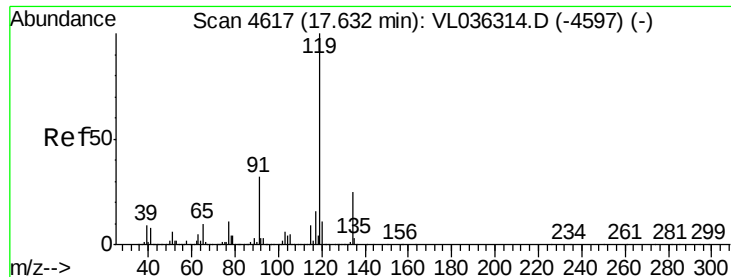


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

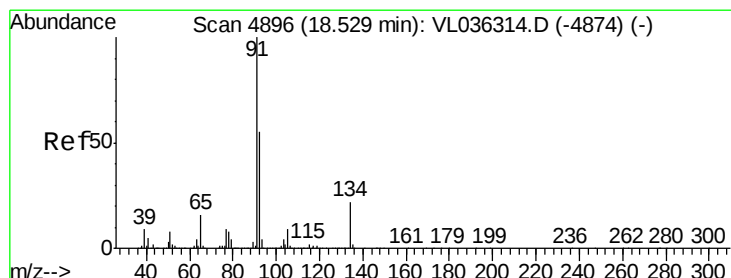
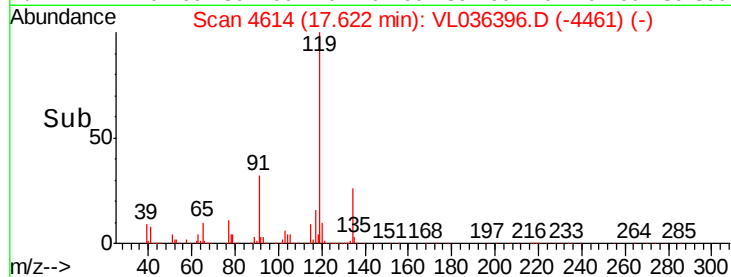
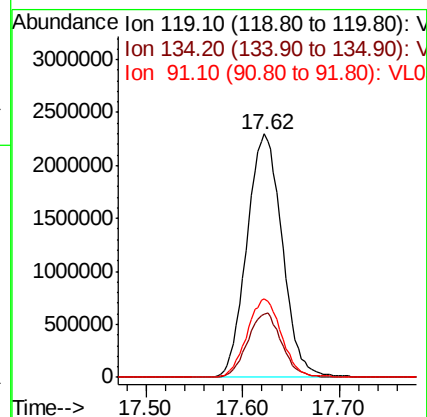
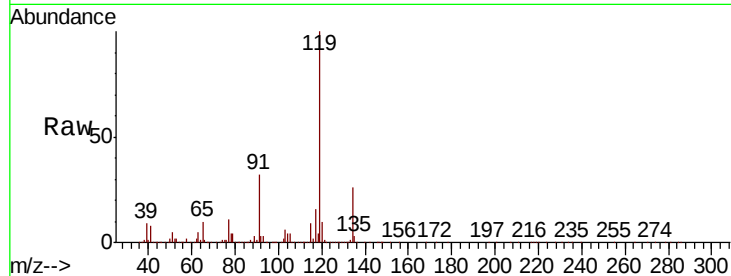




#69
 p-Isopropyltoluene
 Concen: 8.422 ppbv
 RT: 17.62 min Scan# 4614
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

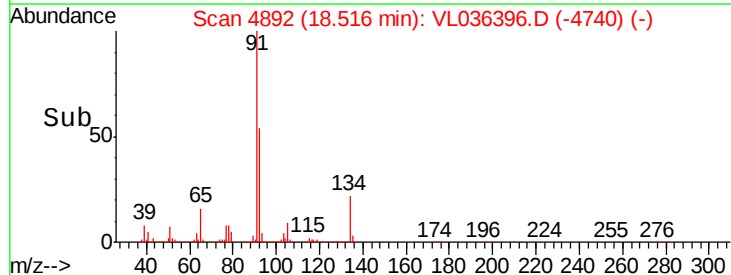
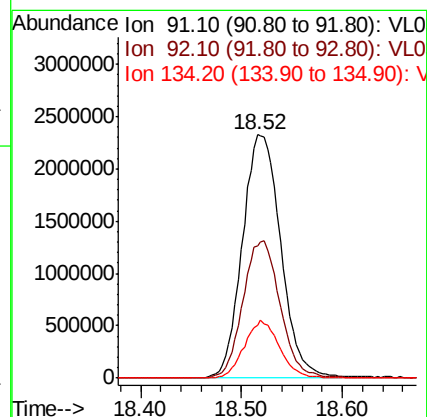
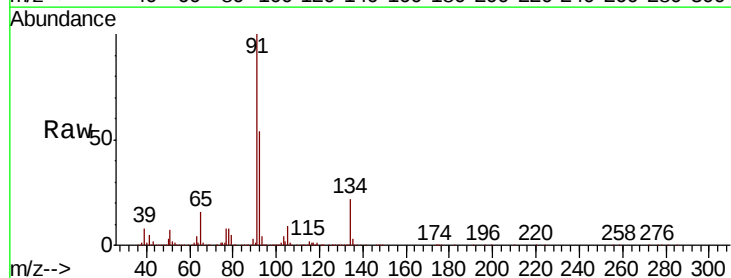
Instrument :
 MSVOA_L
 ClientSampleId :

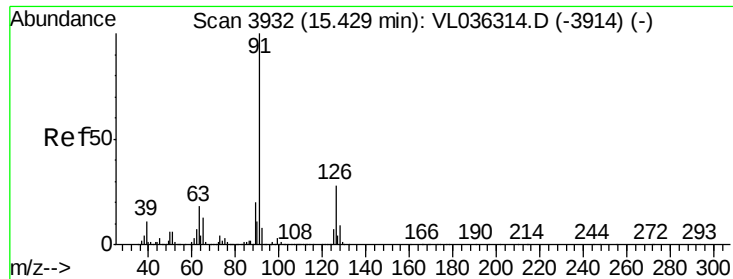
Tot Ion:119 Resp: 5827231
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.1 30.1
 91 31.7 25.8 38.6



#70
 n-Butylbenzene
 Concen: 8.274 ppbv
 RT: 18.52 min Scan# 4892
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 91 Resp: 6139224
 Ion Ratio Lower Upper
 91 100
 92 55.0 43.7 65.5
 134 21.8 17.4 26.0

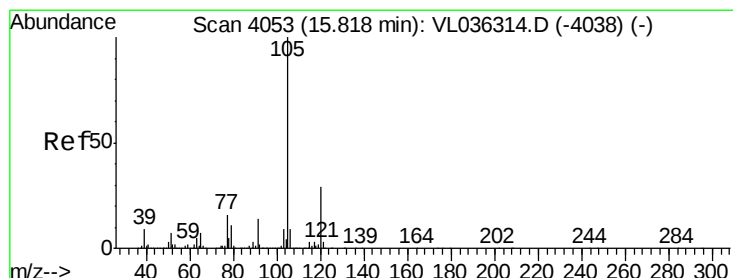
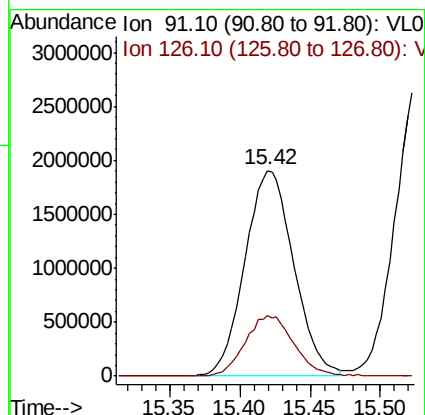
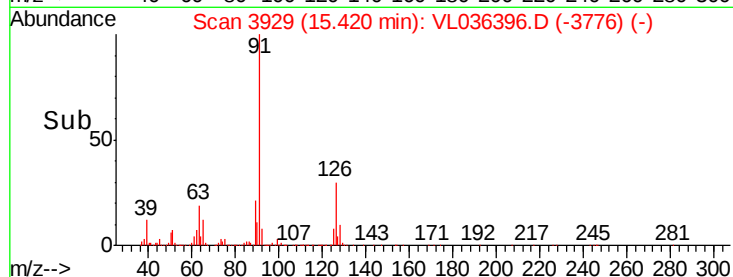
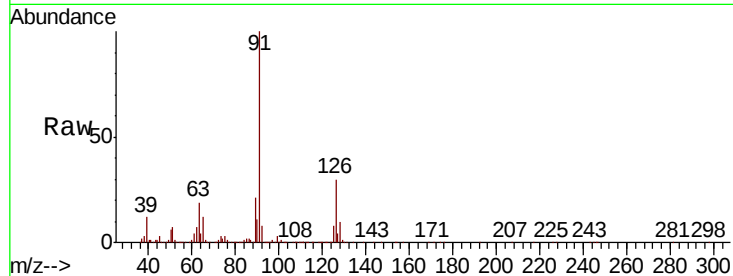




#71
 2-Chlorotoluene
 Concen: 8.291 ppbv
 RT: 15.42 min Scan# 3929
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

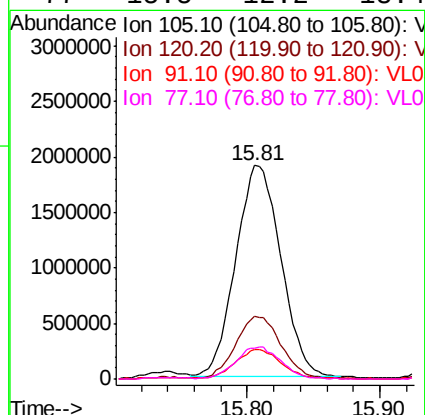
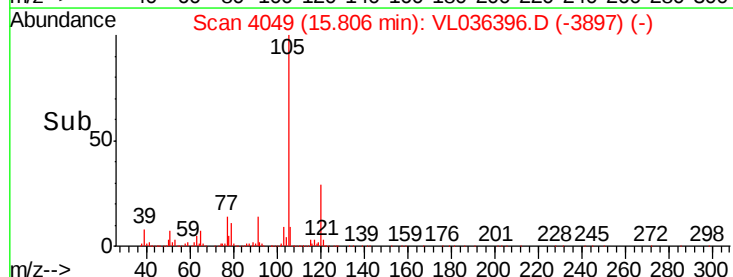
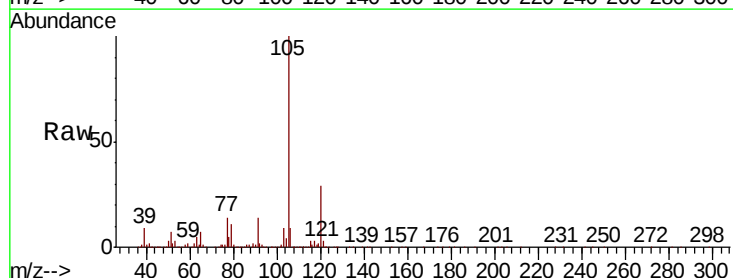
Instrument :
 MSVOA_L
 ClientSampleId :

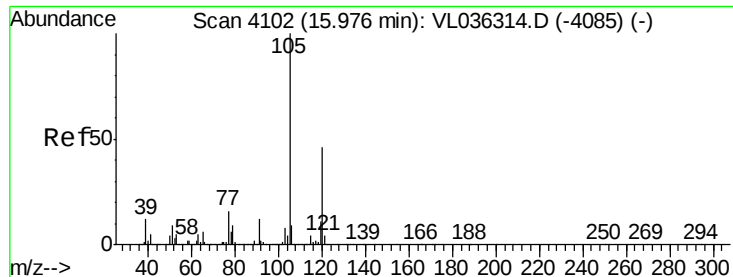
Tot Ion: 91 Resp: 4611588
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.5 46.1



#72
 4-Ethyltoluene
 Concen: 8.303 ppbv
 RT: 15.81 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion: 105 Resp: 4472707
 Ion Ratio Lower Upper
 105 100
 120 30.2 23.2 34.8
 91 14.2 11.0 16.4
 77 15.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.254 ppbv

RT: 15.97 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

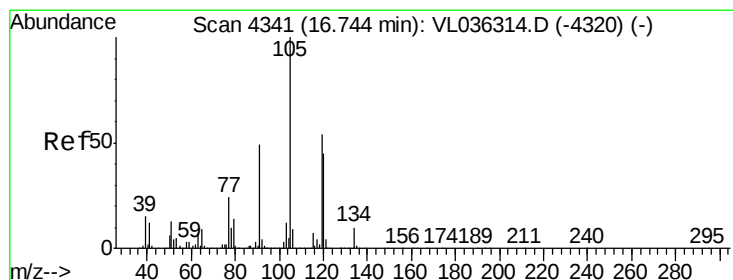
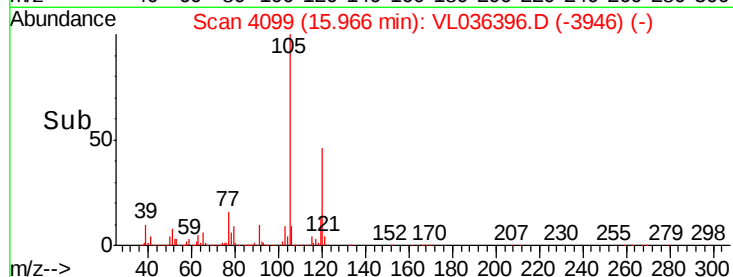
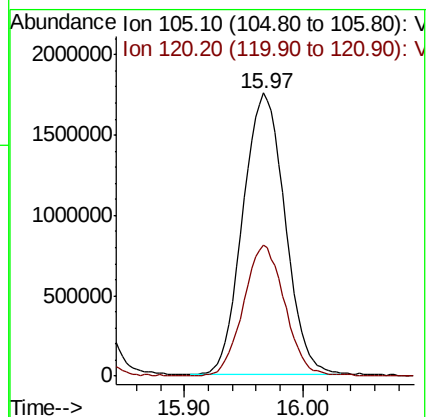
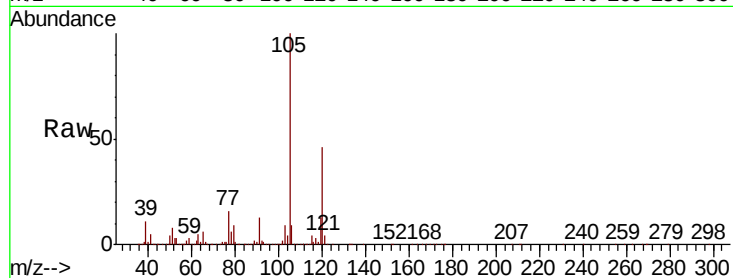
ClientSampleId :

Tot Ion:105 Resp: 4309908

Ion Ratio Lower Upper

105 100

120 46.4 36.9 55.3



#74

1,2,4-Trimethylbenzene

Concen: 8.205 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion:105 Resp: 4374122

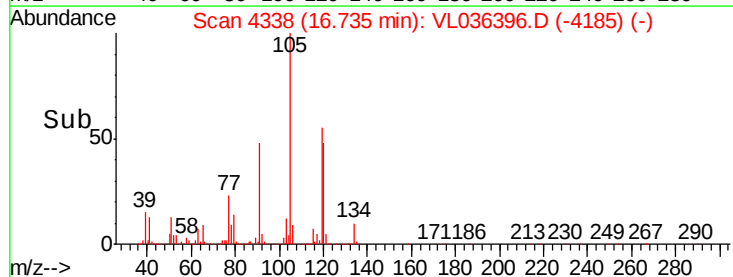
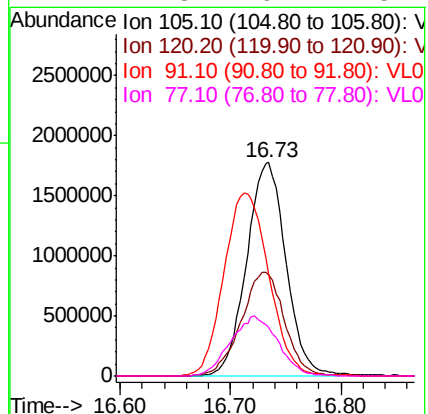
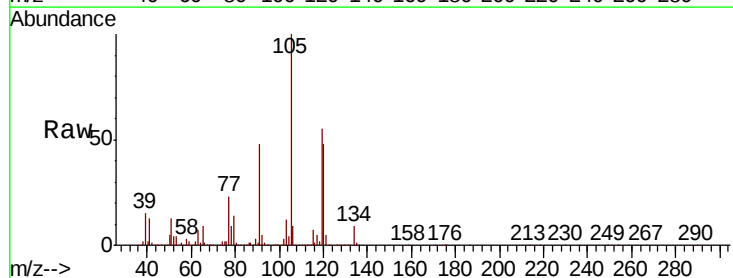
Ion Ratio Lower Upper

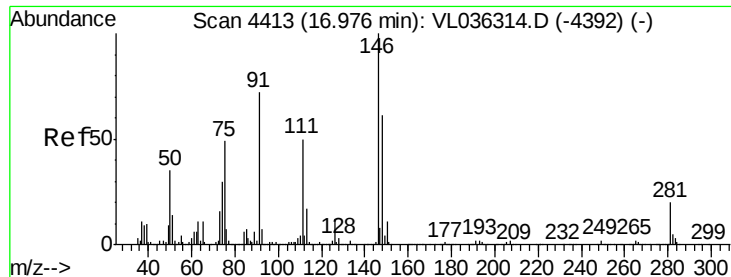
105 100

120 47.4 35.8 53.6

91 47.5 39.8 59.6

77 22.8 19.1 28.7



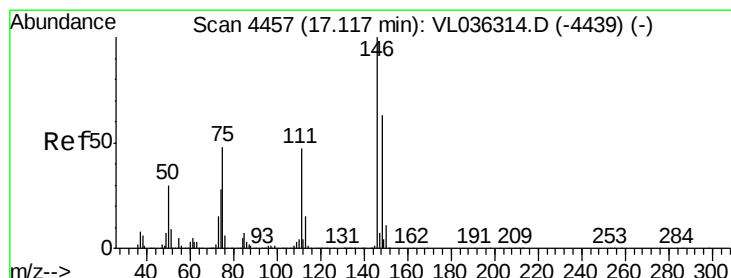
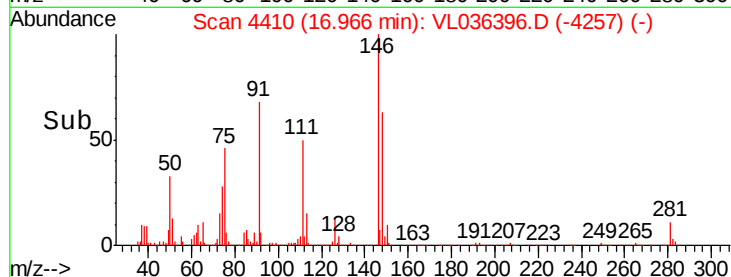
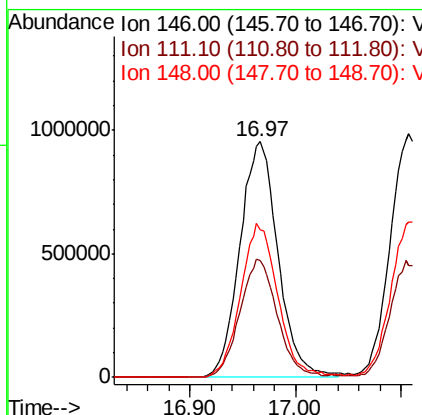
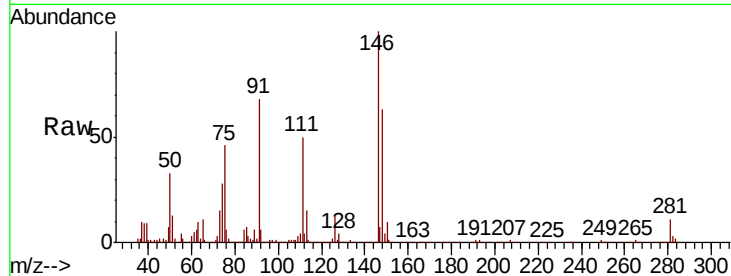


#75
 1,3-Dichlorobenzene
 Concen: 8.296 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 2400556

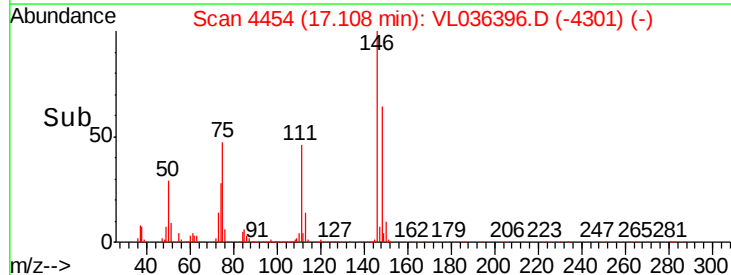
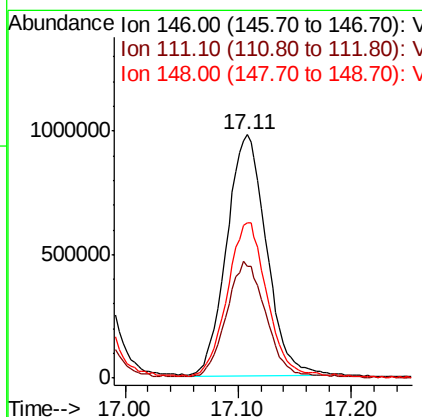
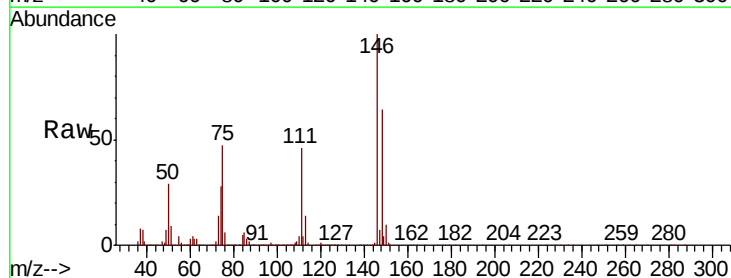
Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.9	74.6
148	64.0	31.9	95.9

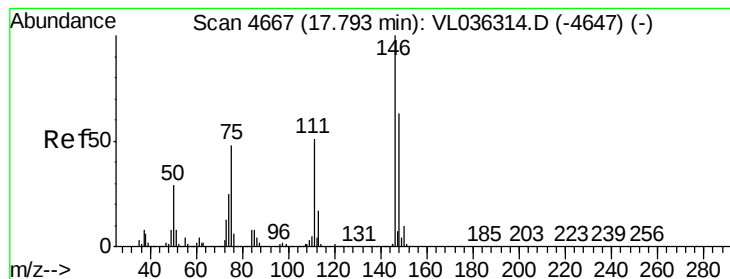


#76
 1,4-Dichlorobenzene
 Concen: 7.921 ppbv
 RT: 17.11 min Scan# 4454
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Tgt Ion:146 Resp: 2380180

Ion	Ratio	Lower	Upper
146	100		
111	49.0	23.6	71.0
148	66.0	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 8.184 ppbv

RT: 17.79 min Scan# 4665

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Instrument :

MSVOA_L

ClientSampleId :

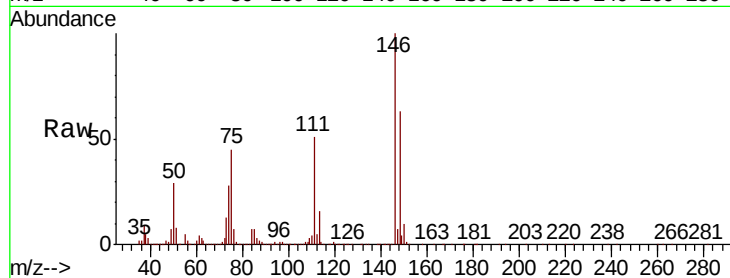
Tot Ion:146 Resp: 2349282

Ion Ratio Lower Upper

146 100

111 50.8 25.9 77.8

148 64.6 32.5 97.4

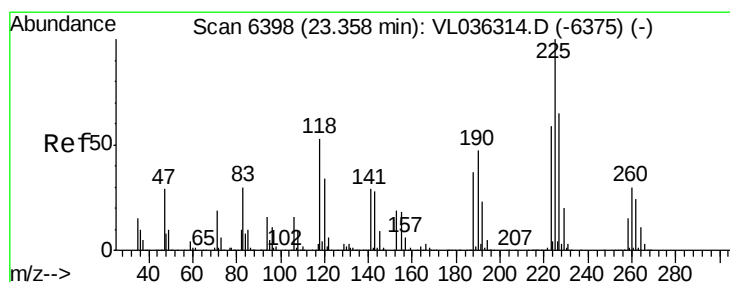
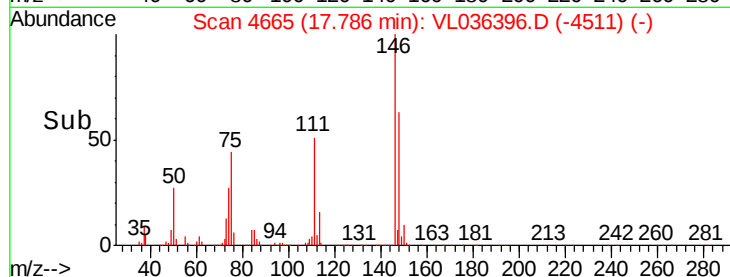
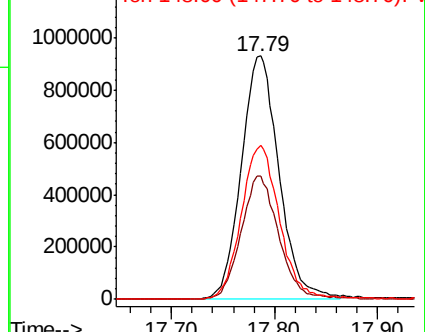


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.057 ppbv

RT: 23.34 min Scan# 6393

Delta R.T. -0.02 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

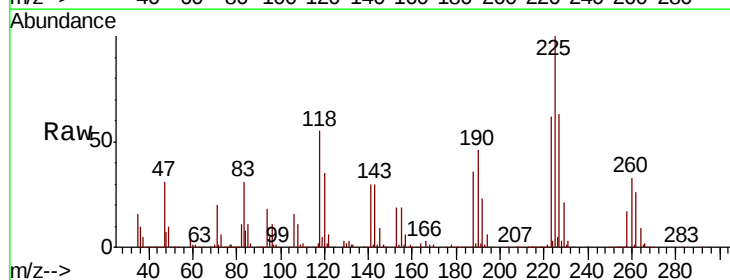
Tgt Ion:225 Resp: 1655011

Ion Ratio Lower Upper

225 100

223 63.8 50.8 76.2

227 64.4 52.2 78.2

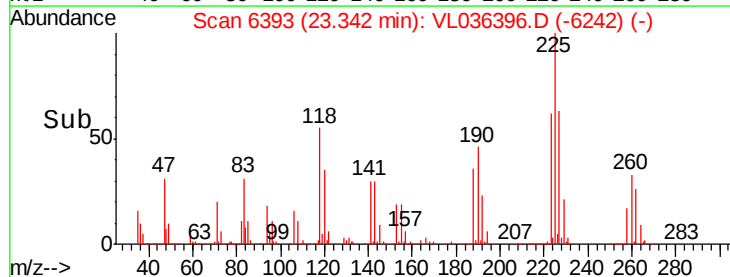
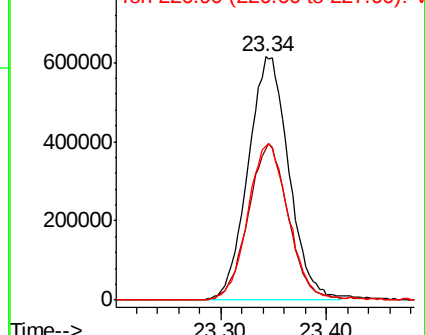


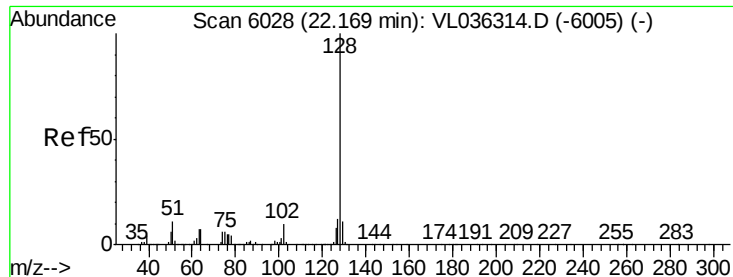
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.949 ppbv

RT: 22.16 min Scan# 6026

Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

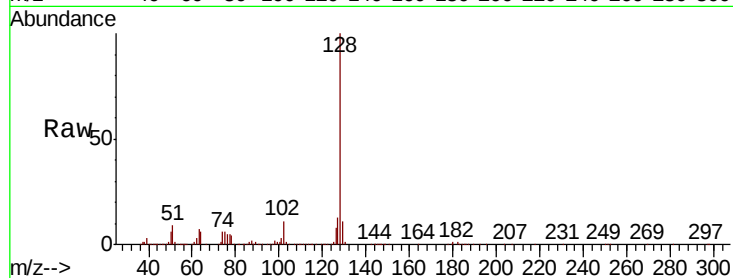
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3144032

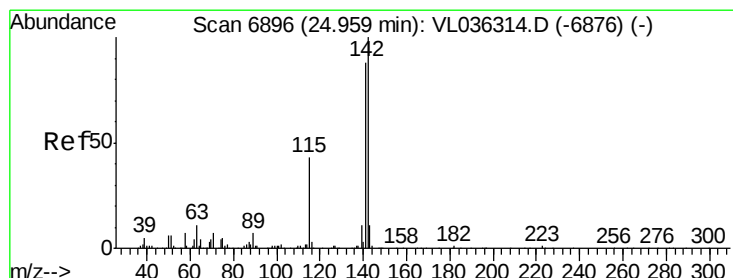
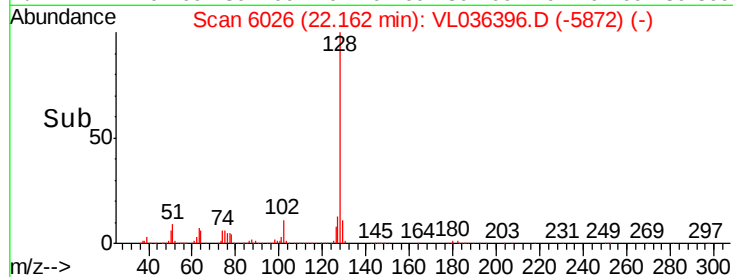
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.6	14.4
129	10.6	8.5	12.7



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: 12.752 ppbv

RT: 24.95 min Scan# 6893

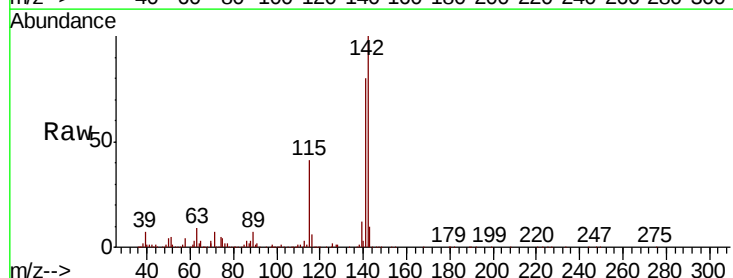
Delta R.T. -0.01 min

Lab File: VL036396.D

Acq: 26 Feb 2021 9:48

Tgt Ion:142 Resp: 746147

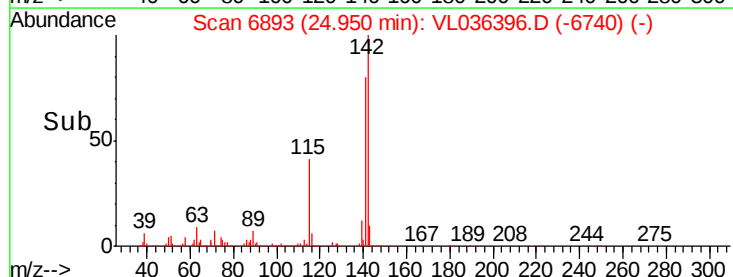
Ion	Ratio	Lower	Upper
142	100		
141	82.1	64.4	96.6
115	41.2	34.6	51.8

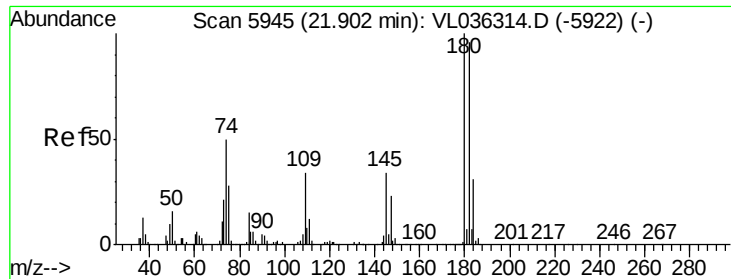


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

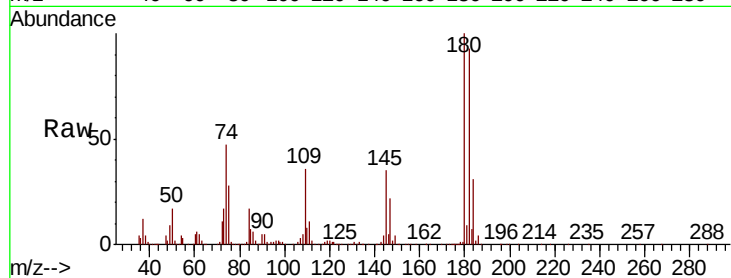




#81
 1,2,4-Trichlorobenzene
 Concen: 8.430 ppbv
 RT: 21.89 min Scan# 5941
 Delta R.T. -0.01 min
 Lab File: VL036396.D
 Acq: 26 Feb 2021 9:48

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1625276
 Ion Ratio Lower Upper
 180 100
 182 101.4 80.2 120.4
 184 32.5 25.0 37.6



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

