

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036402.D
 Acq On : 26 Feb 2021 14:52
 Operator : SY/AP
 Sample : M1502-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:16:52 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	1572167	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3433474	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3113493	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2508135	9.79	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	40585	0.173	ppbv 94
3) Chlorodifluoromethane	2.96	51	54047	0.277	ppbv 92
4) Chloromethane	3.12	50	27954	0.296	ppbv 99
7) Chloroethane	3.53	64	1236	0.040	ppbv 94
9) Propene	2.99	41	2962954	40.683	ppbv 100
10) Heptane	8.09	43	58202	0.271	ppbv # 28
11) Trichlorofluoromethane	3.92	101	426077	1.854	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.46	101	11216	0.079	ppbv 92
13) Ethanol	3.58	45	333297	24.364	ppbv 93
15) Acetone	3.83	43	836271	4.352	ppbv # 46
16) 1,3-Butadiene	3.28	39	3119950	33.951	ppbv # 30
17) tert-Butyl alcohol	4.28	59	57020	0.382	ppbv # 71
19) Isopropyl Alcohol	3.95	45	64059	0.602	ppbv # 30
20) Methylene Chloride	4.32	84	6470781	104.366	ppbv 87
21) Allyl Chloride	4.38	41	8169	0.076	ppbv # 16
22) trans-1,2-Dichloroethene	4.86	96	3428	0.058	ppbv # 68
23) Vinyl Acetate	5.02	43	285285	1.263	ppbv # 1
24) 1,1-Dichloroethane	4.98	63	7979	0.048	ppbv # 94
25) Ethyl Acetate	5.65	43	934098	2.518	ppbv # 77
26) Hexane	5.65	57	1222298	8.018	ppbv # 39
27) Carbon Disulfide	4.52	76	184337	1.316	ppbv # 92
28) Methyl tert-Butyl Ether	5.01	73	19327	0.097	ppbv # 68
29) Chloroform	5.73	83	23043	0.094	ppbv 89
30) Cyclohexane	7.10	84	28224	0.223	ppbv # 27
31) cis-1,2-Dichloroethene	5.52	61	11790	0.078	ppbv 95
32) 1,1,1-Trichloroethane	6.48	97	10218	0.045	ppbv # 75
34) 2-Butanone	5.22	43	145535	0.638	ppbv 97
35) Carbon Tetrachloride	6.98	117	8116	0.035	ppbv # 79
36) Benzene	6.86	78	89578	0.307	ppbv 93
38) Trichloroethene	7.80	130	20226	0.194	ppbv # 83
39) 1,2-Dichloropropane	7.14	63	962275	8.122	ppbv # 23
41) Tetrahydrofuran	6.28	42	6359	0.050	ppbv # 45
44) 2,2,4-Trimethylpentane	7.83	57	3975713	7.496	ppbv 96
51) 2-Hexanone	10.39	43	151573	0.589	ppbv # 55
52) Tetrachloroethene	11.19	164	159907	1.498	ppbv 96
53) Toluene	9.77	91	1395671	4.418	ppbv 99
58) Ethyl Benzene	12.68	91	365321	0.857	ppbv 95
59) m/p-Xylene	12.93	91	1401857	3.743	ppbv 98
60) o-Xylene	13.66	91	528908	1.477	ppbv 99
62) Isopropylbenzene	14.64	105	20562	0.038	ppbv # 49
64) n-propylbenzene	15.53	120	14521	0.110	ppbv # 1

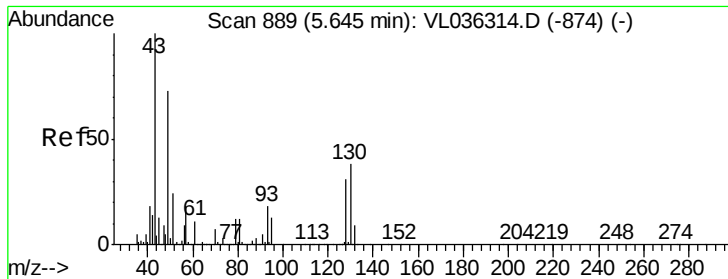
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
Data File : VL036402.D
Acq On : 26 Feb 2021 14:52
Operator : SY/AP
Sample : M1502-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 27 03:16:52 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)
72) 4-Ethyltoluene	15.81	105	109245	0.274	ppbv #	81
73) 1,3,5-Trimethylbenzene	15.97	105	82066	0.212	ppbv	86
74) 1,2,4-Trimethylbenzene	16.73	105	373618	0.947	ppbv #	65

(#) = 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: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :
MSVOA_L
ClientSampleId :

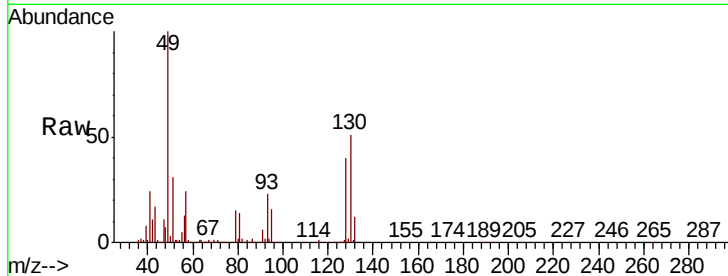
Tot Ion: 49 Resp: 1572167

Ion Ratio Lower Upper

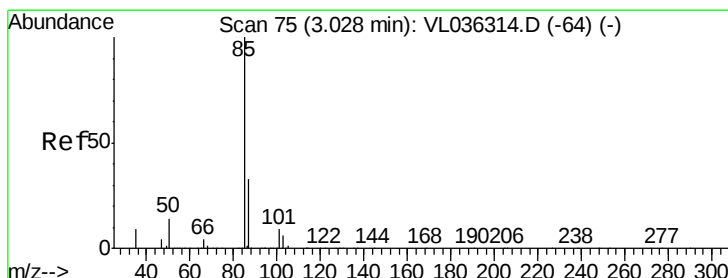
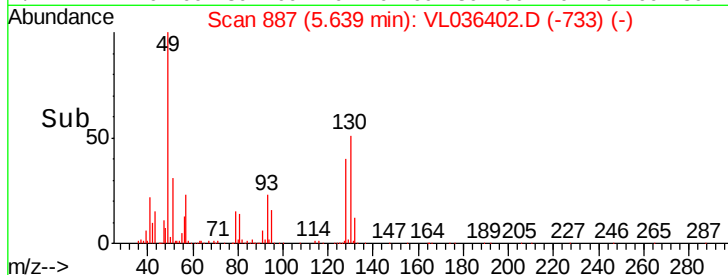
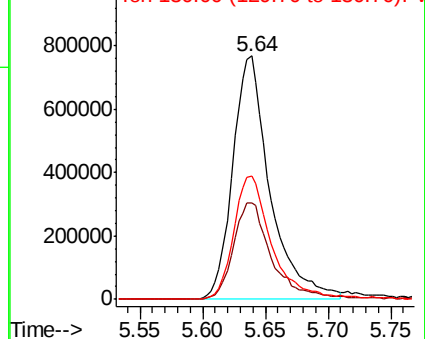
49 100

128 41.9 20.8 62.5

130 53.1 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.173 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL036402.D

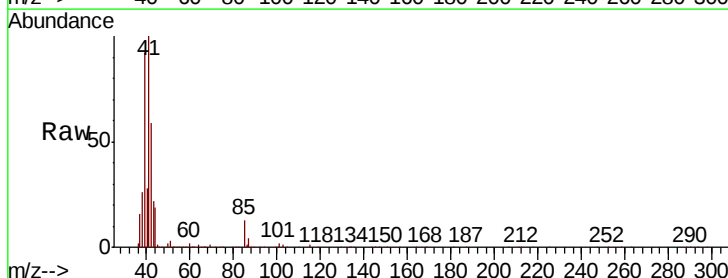
Acq: 26 Feb 2021 14:52

Tgt Ion: 85 Resp: 40585

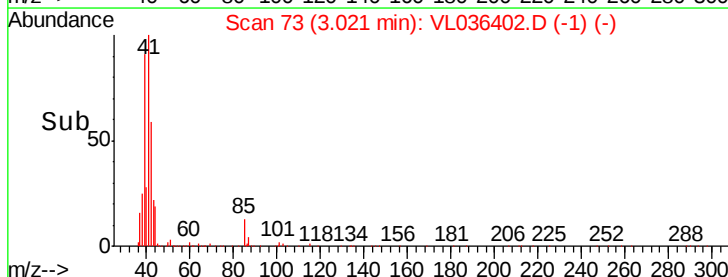
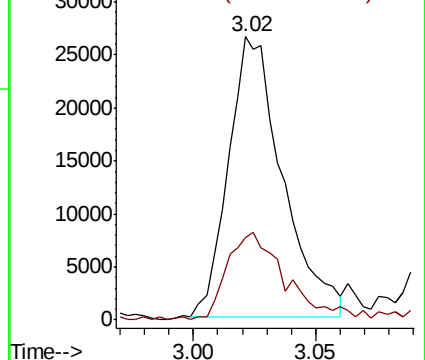
Ion Ratio Lower Upper

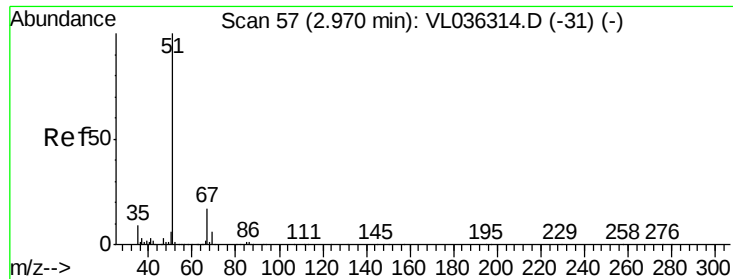
85 100

87 29.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.277 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

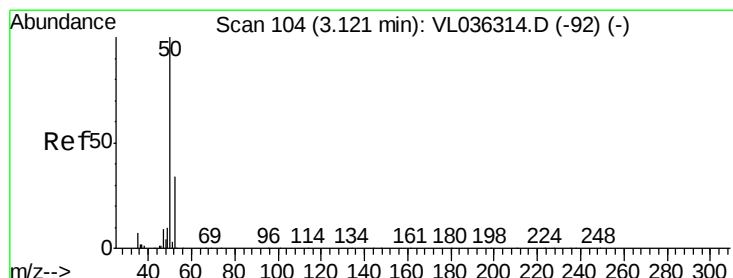
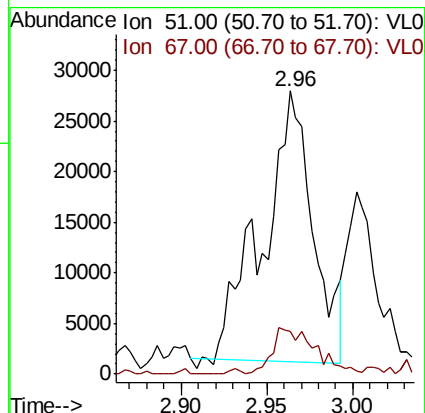
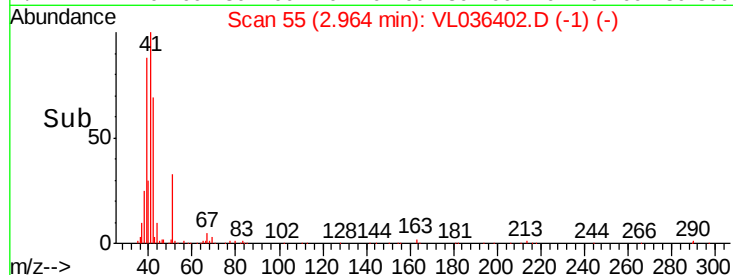
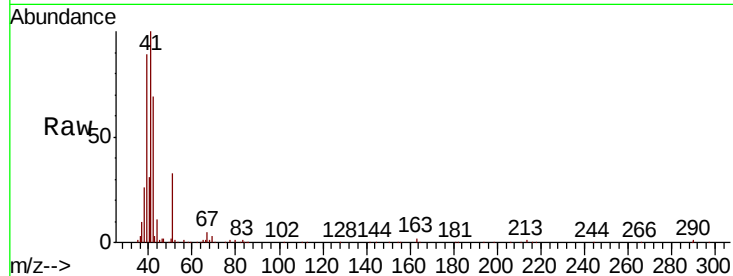
ClientSampleId :

Tot Ion: 51 Resp: 54047

Ion Ratio Lower Upper

51 100

67 15.0 14.7 22.1



#4

Chloromethane

Concen: 0.296 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL036402.D

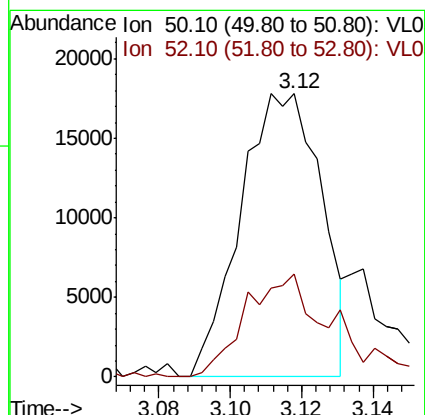
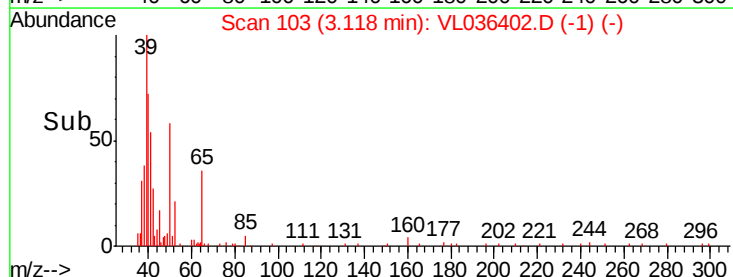
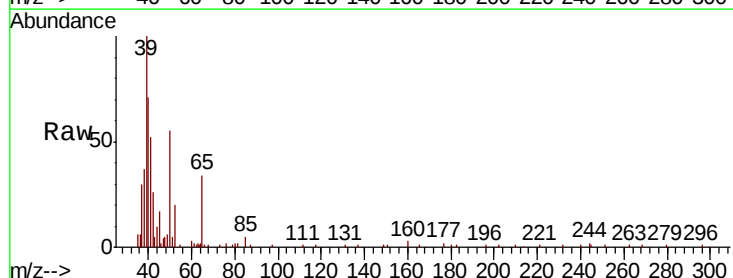
Acq: 26 Feb 2021 14:52

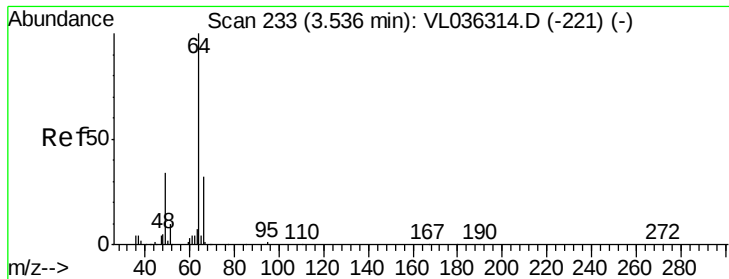
Tgt Ion: 50 Resp: 27954

Ion Ratio Lower Upper

50 100

52 34.1 27.0 40.4





#7

Chloroethane

Concen: 0.040 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

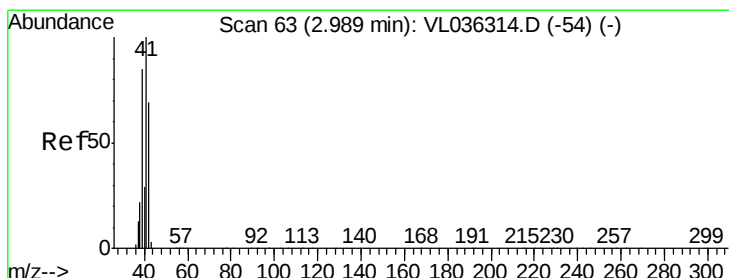
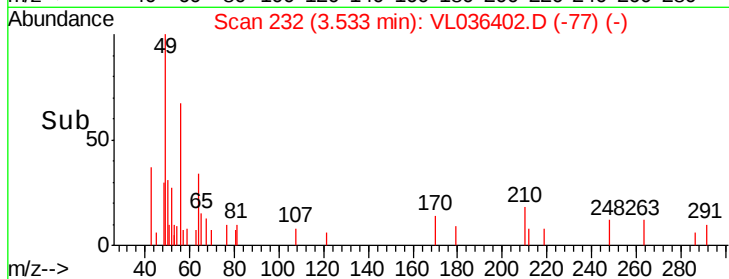
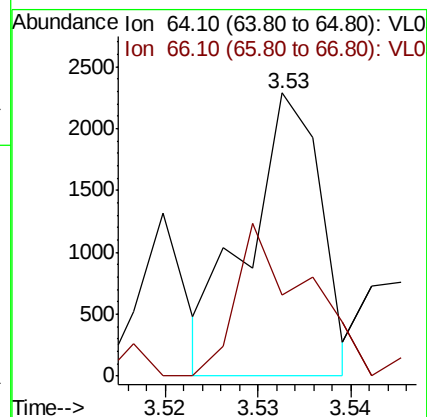
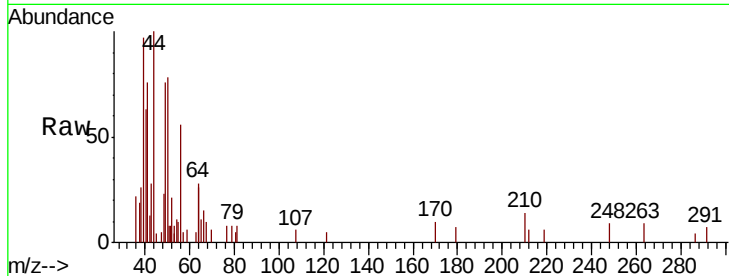
ClientSampleId :

Tot Ion: 64 Resp: 1236

Ion Ratio Lower Upper

64 100

66 28.5 25.6 38.4



#9

Propene

Concen: 40.683 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036402.D

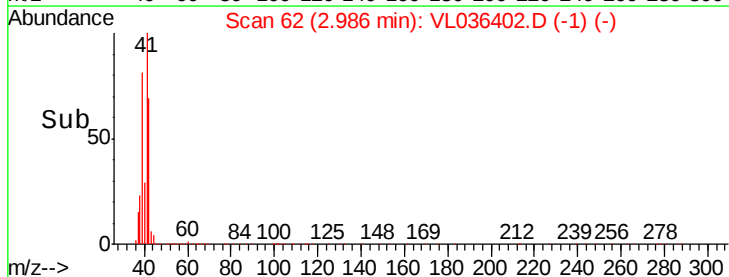
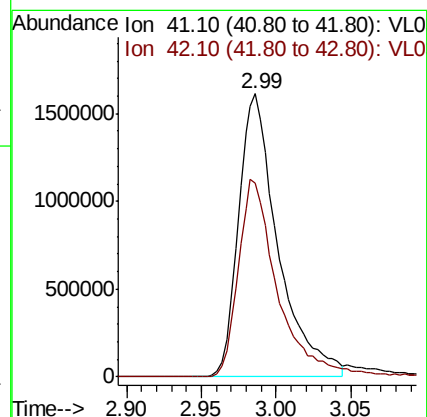
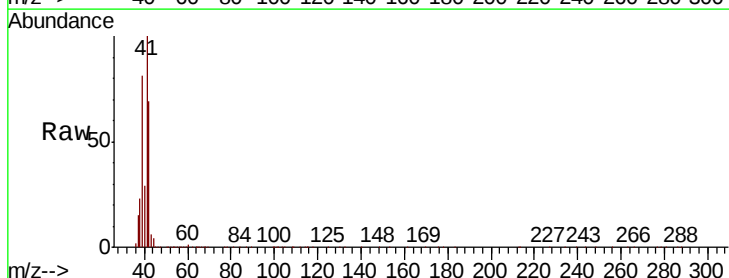
Acq: 26 Feb 2021 14:52

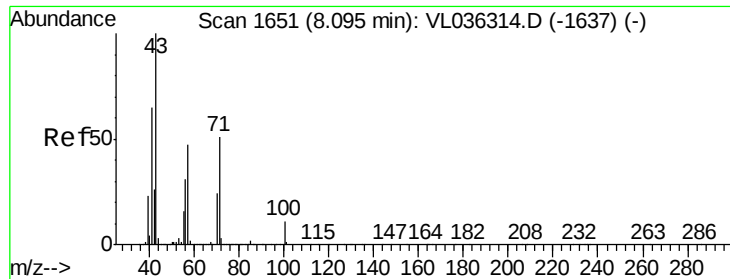
Tgt Ion: 41 Resp: 2962954

Ion Ratio Lower Upper

41 100

42 69.8 56.2 84.2





#10

Heptane

Concen: 0.271 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

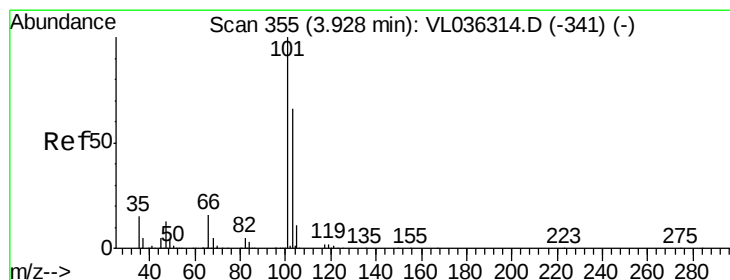
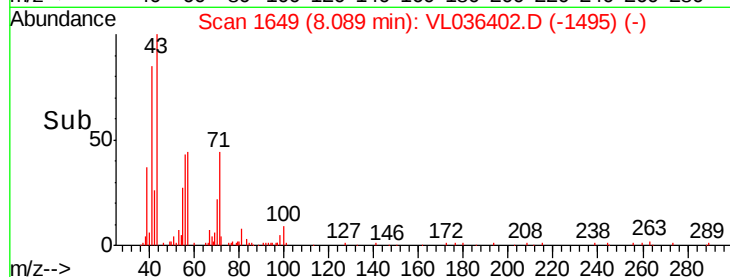
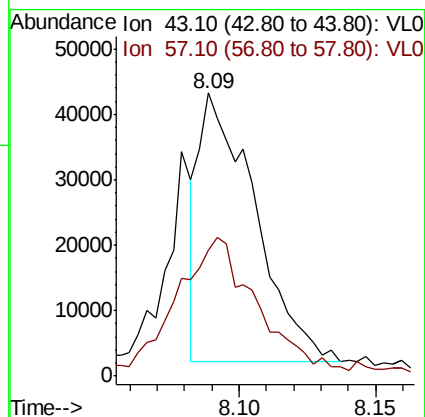
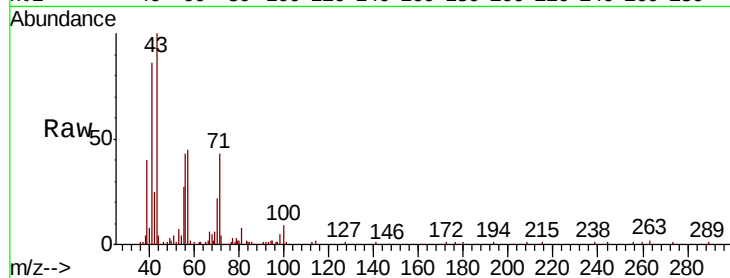
ClientSampleId :

Tot Ion: 43 Resp: 58202

Ion Ratio Lower Upper

43 100

57 0.0 39.4 59.2#



#11

Trichlorofluoromethane

Concen: 1.854 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL036402.D

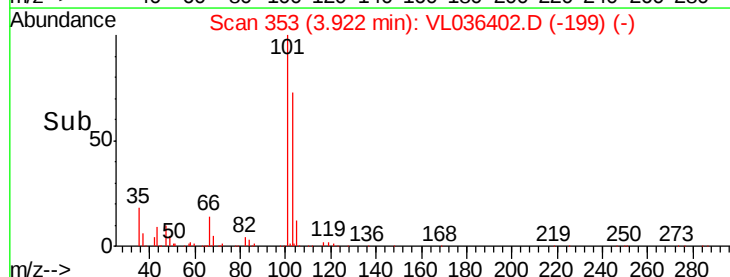
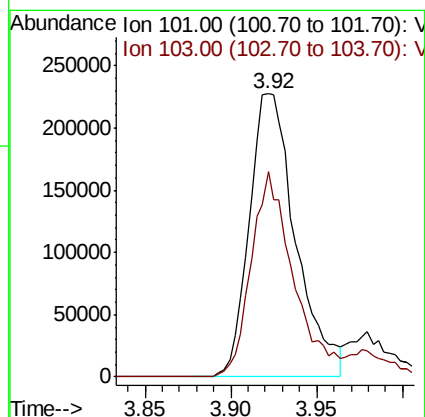
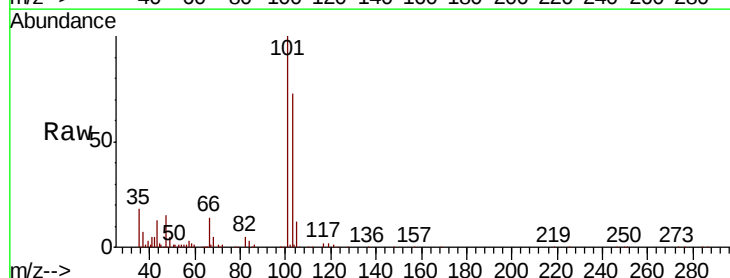
Acq: 26 Feb 2021 14:52

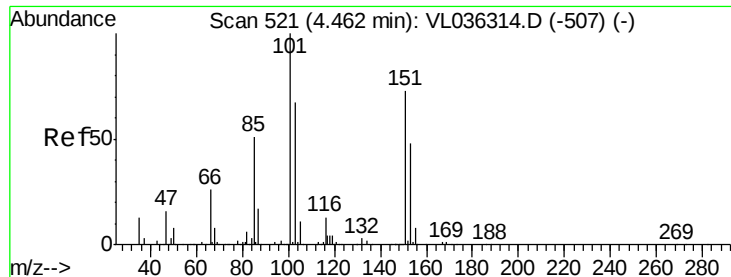
Tgt Ion: 101 Resp: 426077

Ion Ratio Lower Upper

101 100

103 72.7 52.9 79.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.079 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

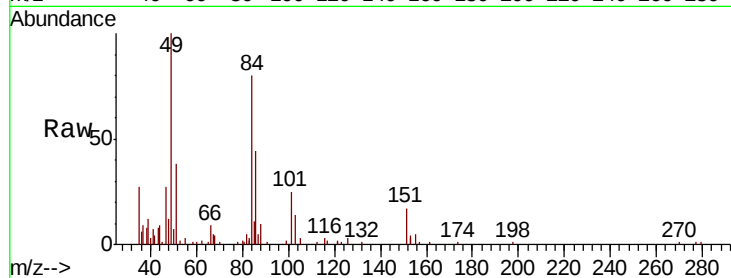
ClientSampleId :

Tot Ion:101 Resp: 11216

Ion Ratio Lower Upper

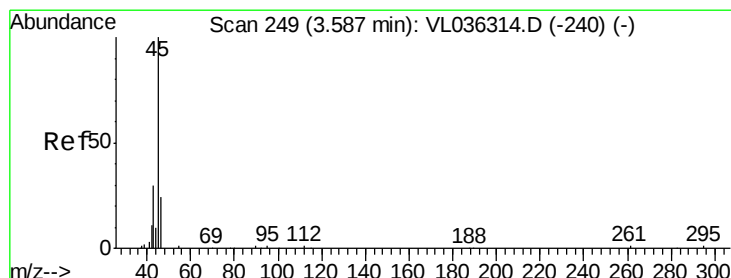
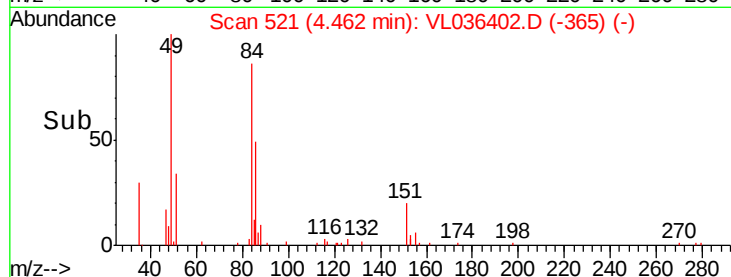
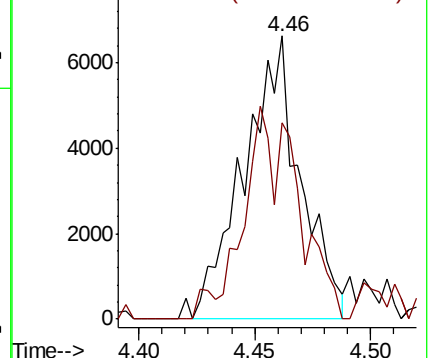
101 100

151 79.6 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: 24.364 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL036402.D

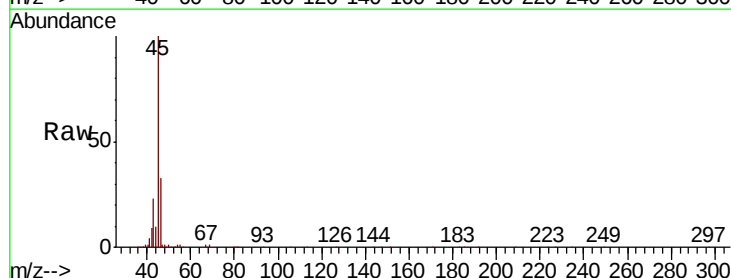
Acq: 26 Feb 2021 14:52

Tgt Ion: 45 Resp: 333297

Ion Ratio Lower Upper

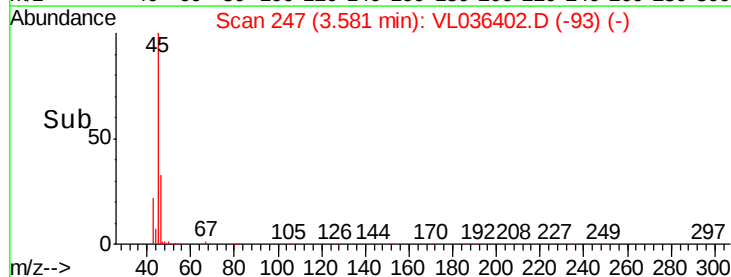
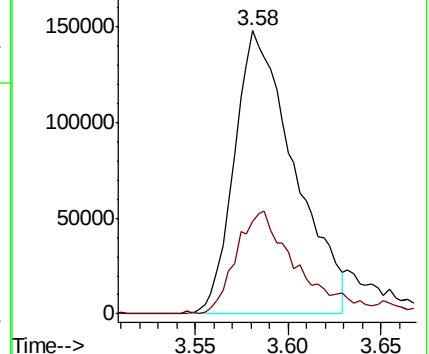
45 100

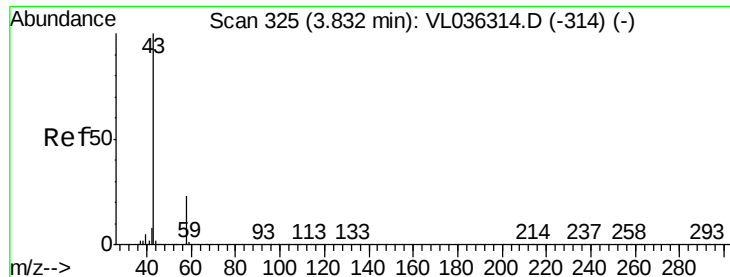
46 39.7 17.7 70.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

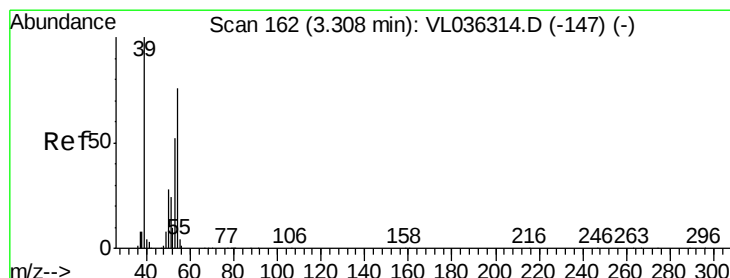
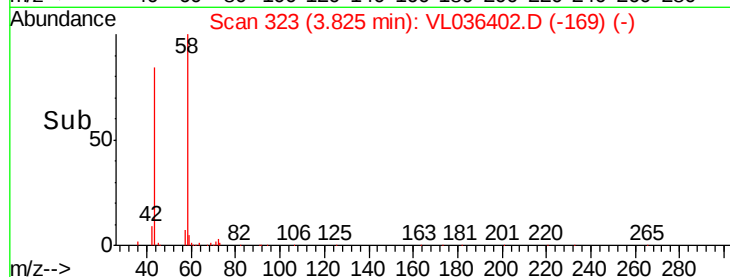
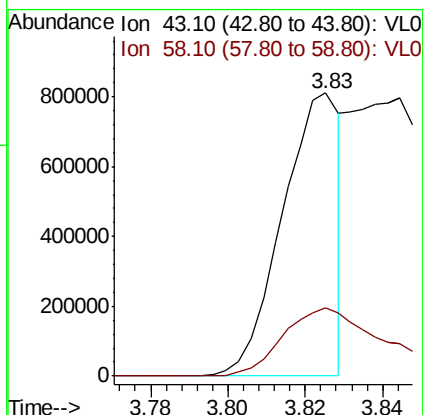
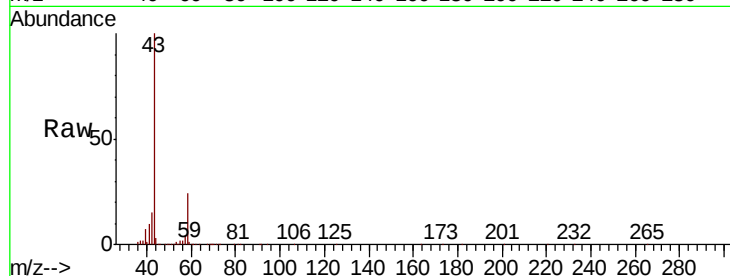




#15
Acetone
Concen: 4.352 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

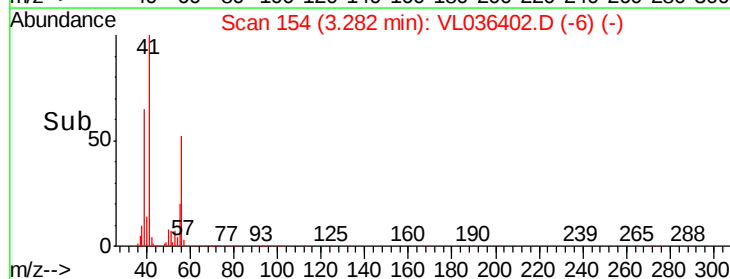
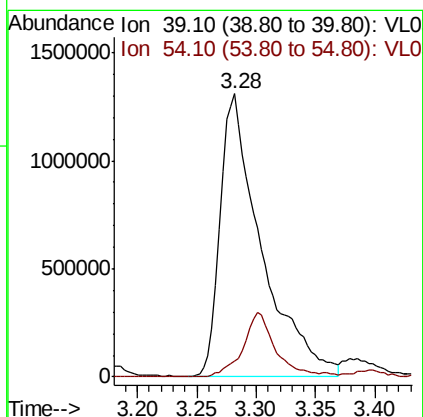
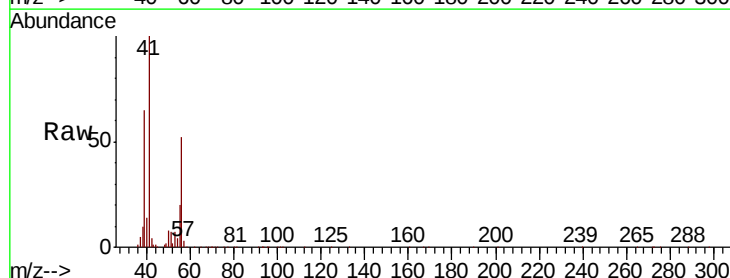
Instrument :
MSVOA_L
ClientSampleId :

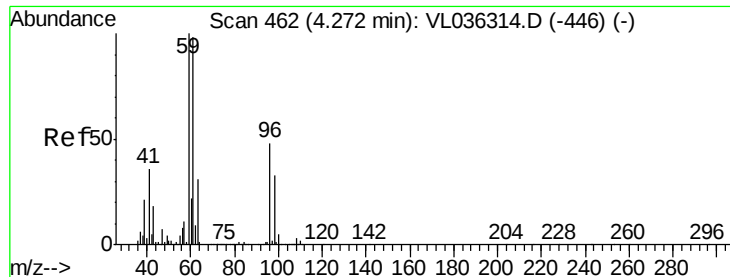
Tot Ion: 43 Resp: 836271
Ion Ratio Lower Upper
43 100
58 52.5 20.3 30.5#



#16
1,3-Butadiene
Concen: 33.951 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.03 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Tgt Ion: 39 Resp: 3119950
Ion Ratio Lower Upper
39 100
54 18.2 64.4 96.6#



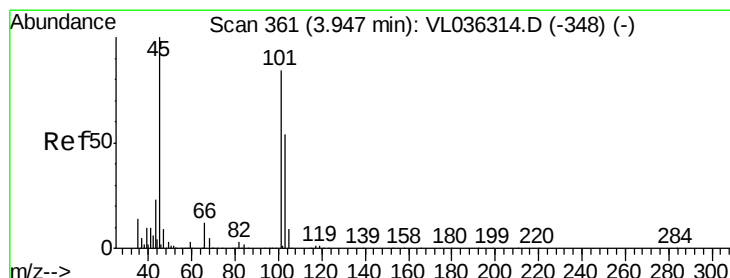
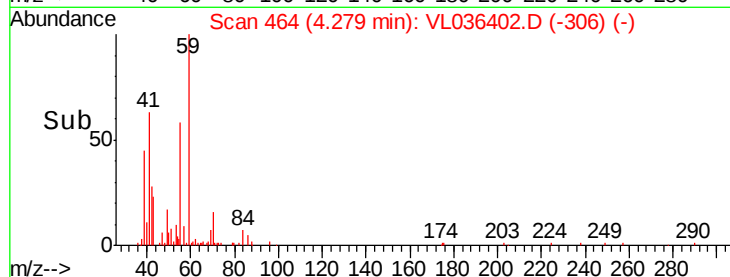
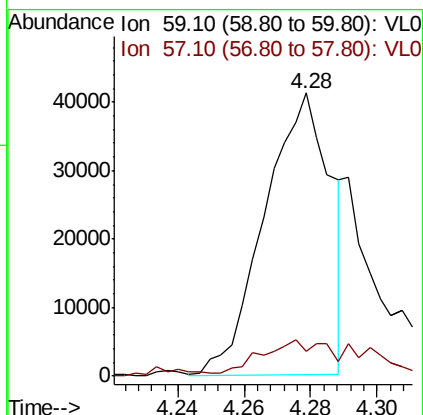
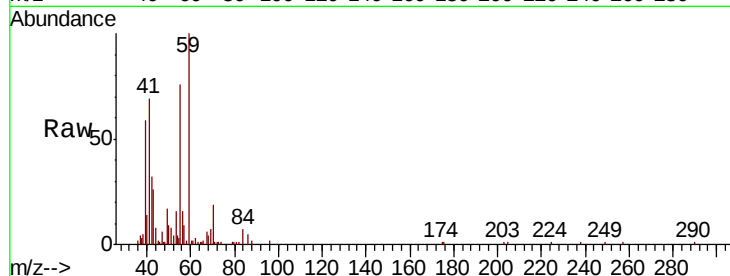


#17

tert-Butyl alcohol
Concen: 0.382 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Instrument :
MSVOA_L
ClientSampleId :

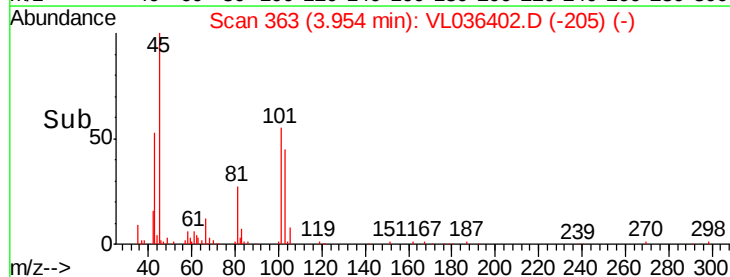
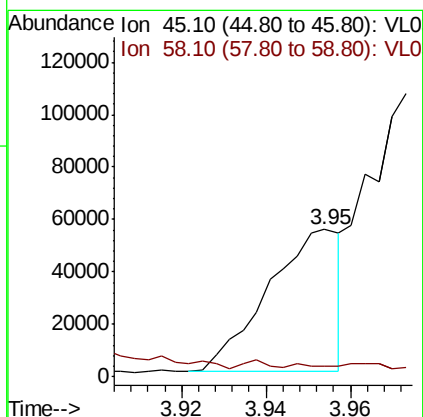
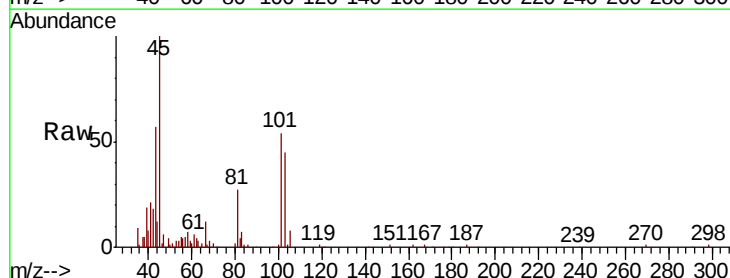
Tot Ion: 59 Resp: 57020
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

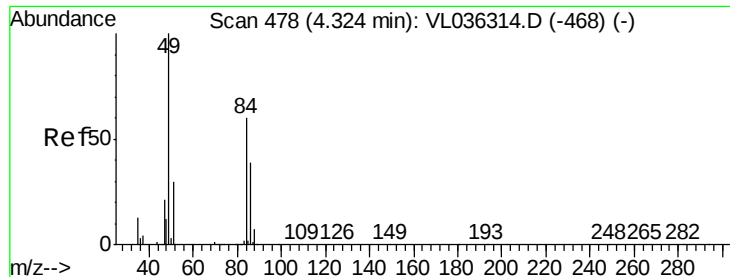


#19

Isopropyl Alcohol
Concen: 0.602 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.01 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Tgt Ion: 45 Resp: 64059
Ion Ratio Lower Upper
45 100
58 26.2 1.9 2.9#



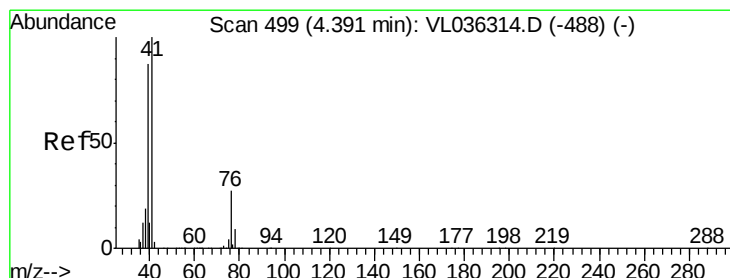
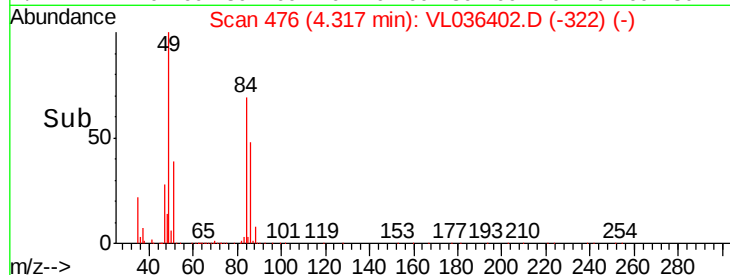
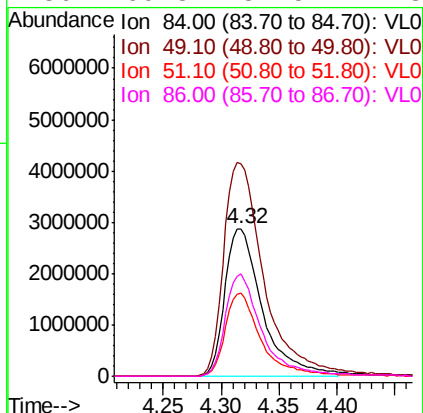
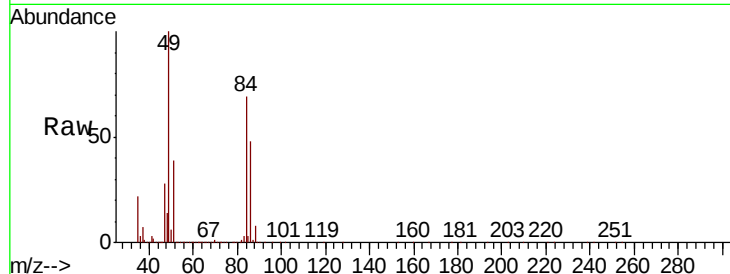


#20
Methylene Chloride
Concen: 104.366 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 6470781

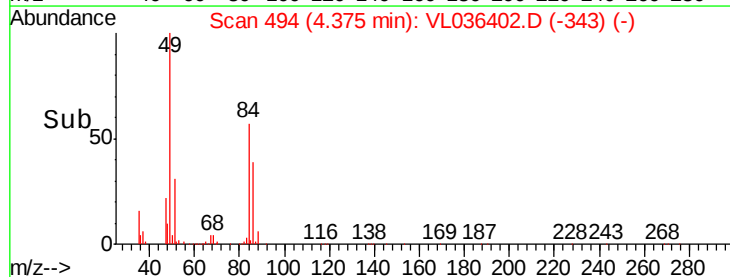
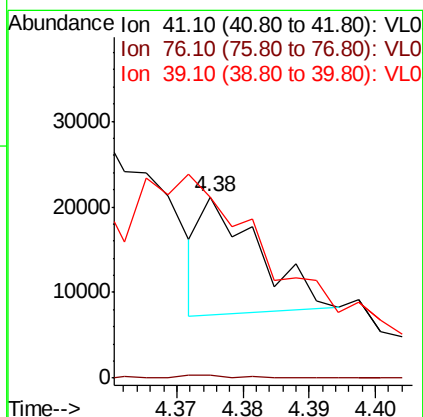
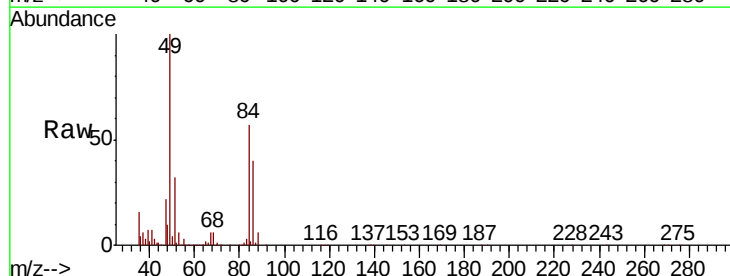
Ion	Ratio	Lower	Upper
84	100		
49	143.9	133.8	200.8
51	56.4	41.4	62.0
86	69.8	51.5	77.3

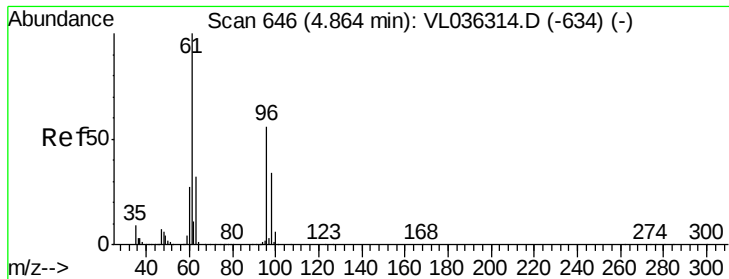


#21
Allyl Chloride
Concen: 0.076 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Tgt Ion: 41 Resp: 8169

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.0	33.0#
39	0.0	70.2	105.2#





#22

trans-1,2-Dichloroethene

Concen: 0.058 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.01 min

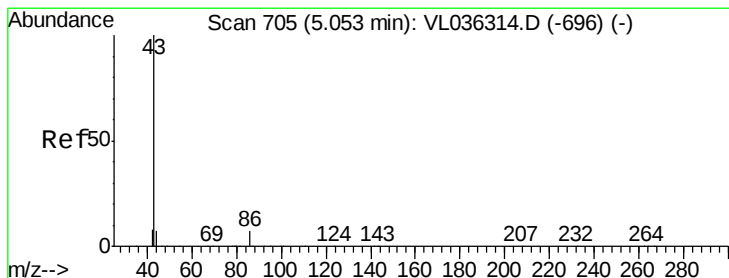
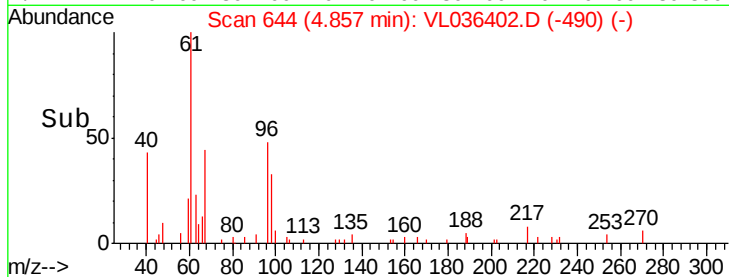
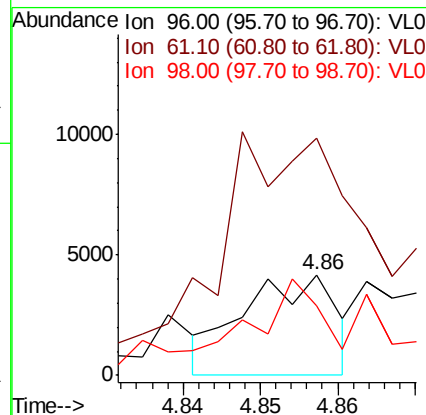
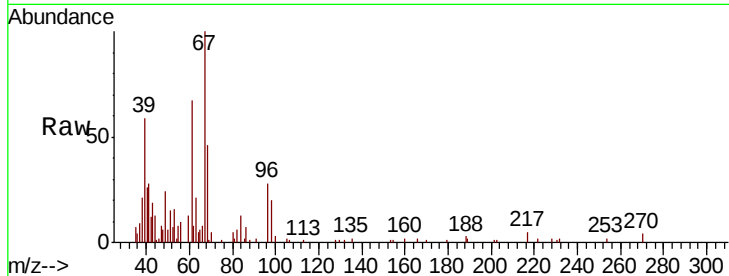
Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 96 Resp: 3428

Ion	Ratio	Lower	Upper
96	100		
61	232.3	143.7	215.5#
98	73.9	48.5	72.7#



#23

Vinyl Acetate

Concen: 1.263 ppbv

RT: 5.02 min Scan# 696

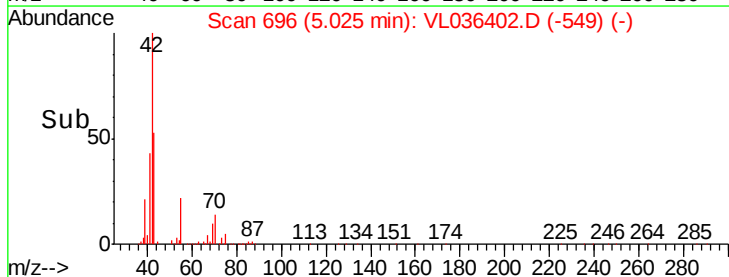
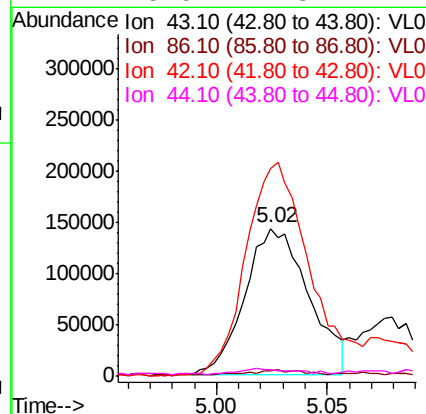
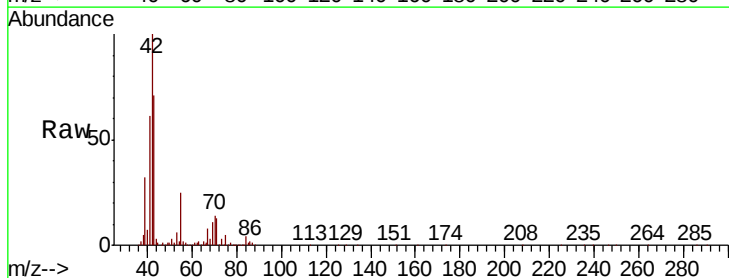
Delta R.T. -0.03 min

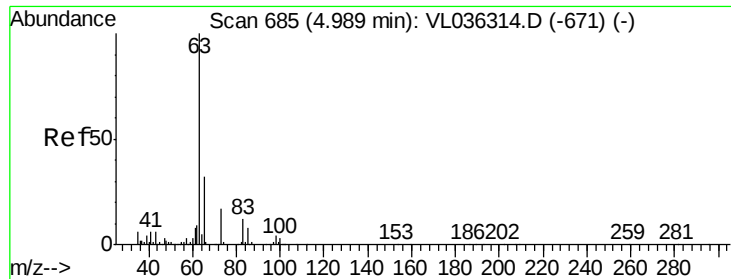
Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Tgt Ion: 43 Resp: 285285

Ion	Ratio	Lower	Upper
43	100		
86	2.7	4.8	7.2#
42	140.8	7.4	11.0#
44	3.5	4.8	7.2#





#24

1,1-Dichloroethane

Concen: 0.048 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL036402.D

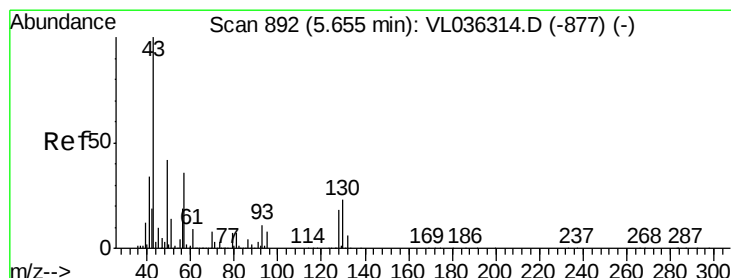
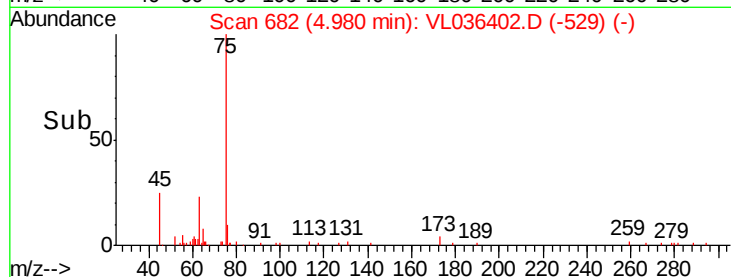
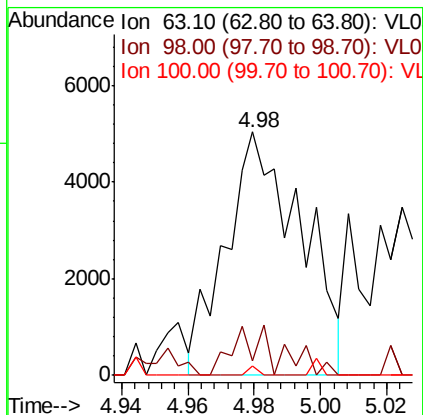
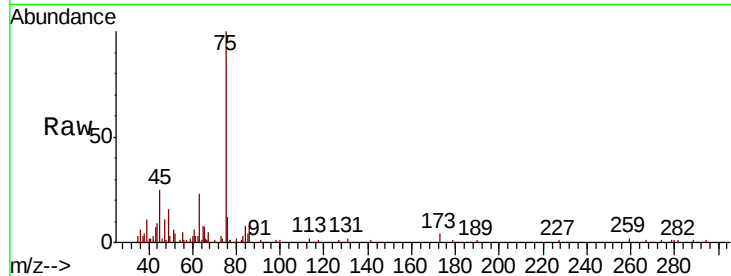
Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	7979
Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.0	6.0#
100	4.5	1.5	4.4#



#25

Ethyl Acetate

Concen: 2.518 ppbv

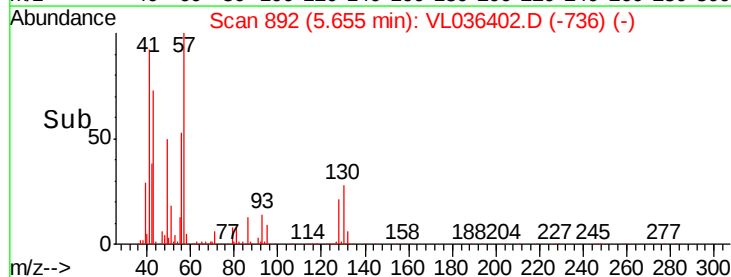
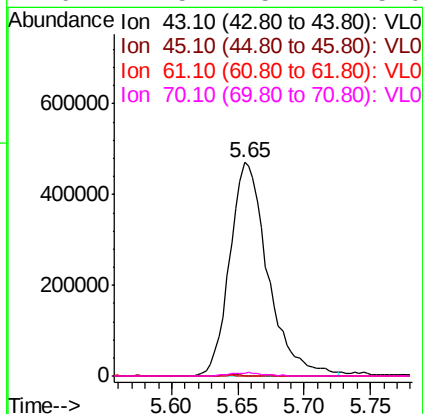
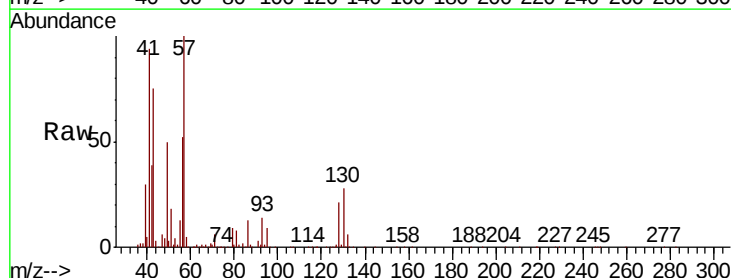
RT: 5.65 min Scan# 892

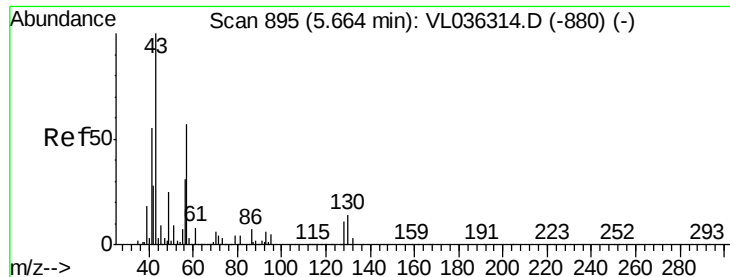
Delta R.T. 0.00 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Tgt Ion:	43	Resp:	934098
Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.3	12.5#
61	0.3	7.3	10.9#
70	1.5	5.4	8.0#





#26

Hexane

Concen: 8.018 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

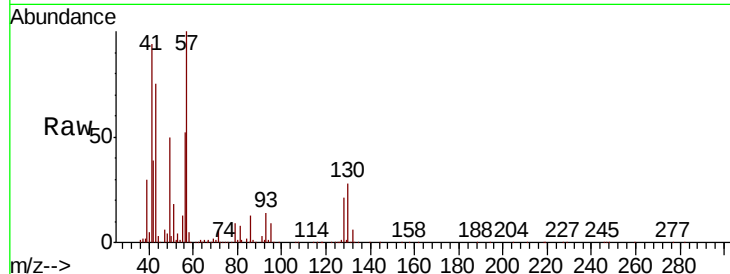
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 57 Resp: 1222298

Ion	Ratio	Lower	Upper
57	100		
41	102.4	81.7	122.5
43	78.0	199.1	298.7#
56	57.7	44.0	66.0



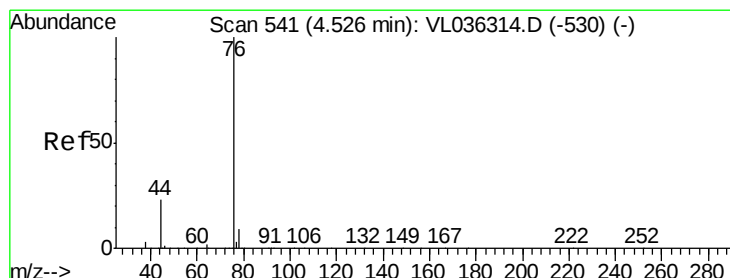
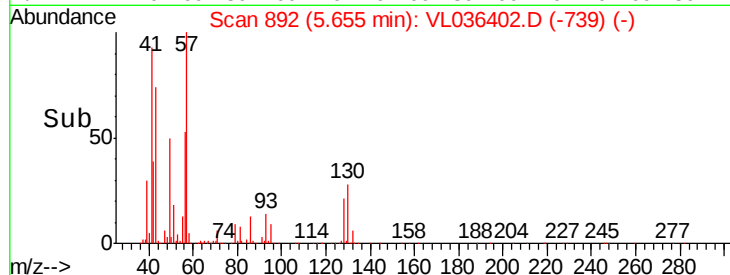
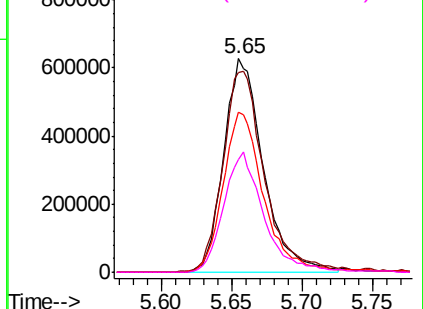
Abundance

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: 1.316 ppbv

RT: 4.52 min Scan# 540

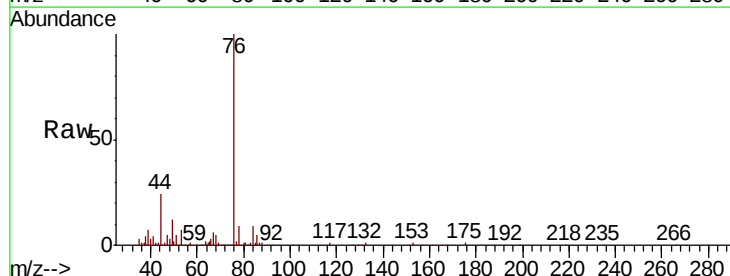
Delta R.T. -0.00 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Tgt Ion: 76 Resp: 184337

Ion	Ratio	Lower	Upper
76	100		
44	27.9	18.4	27.6#
78	11.1	8.0	12.0

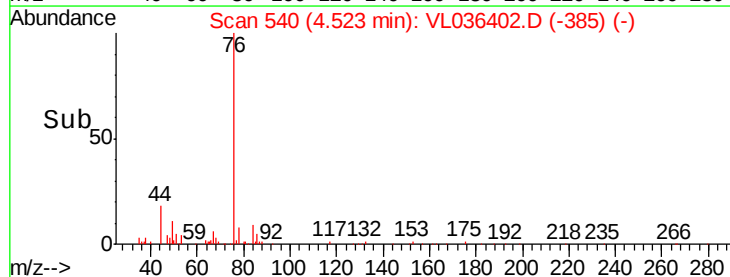
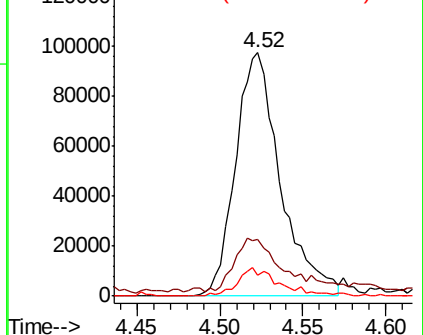


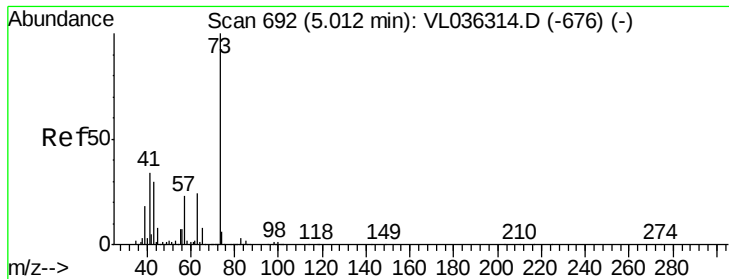
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



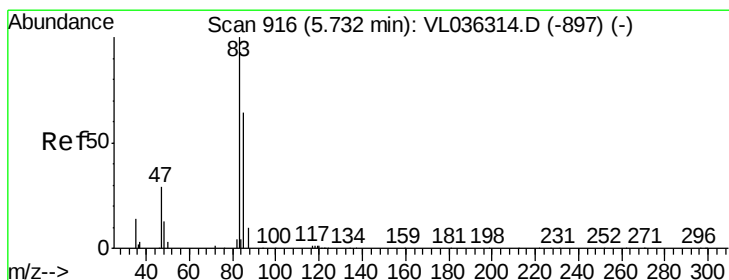
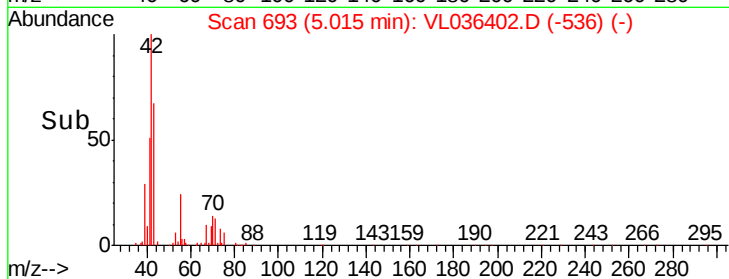
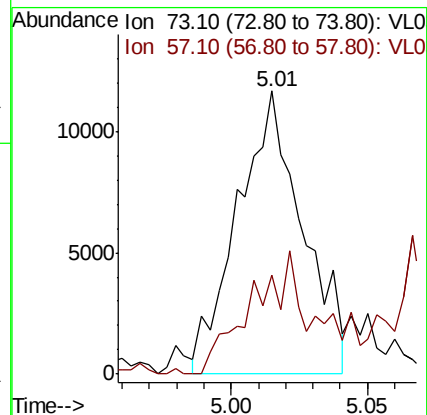
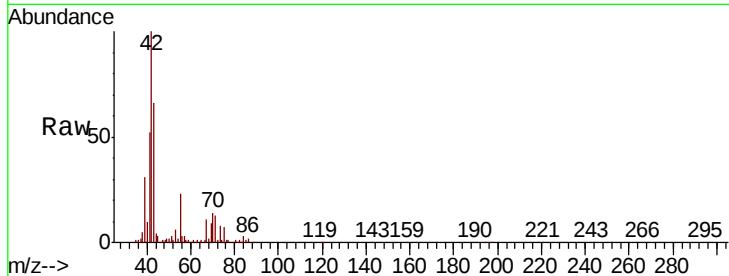


#28

Methyl tert-Butyl Ether
 Concen: 0.097 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL036402.D
 Acq: 26 Feb 2021 14:52

Instrument :
 MSVOA_L
 ClientSampleID :

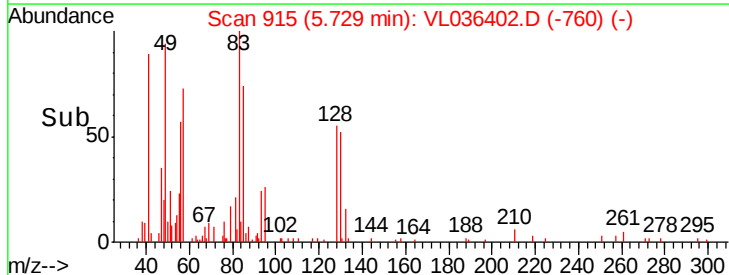
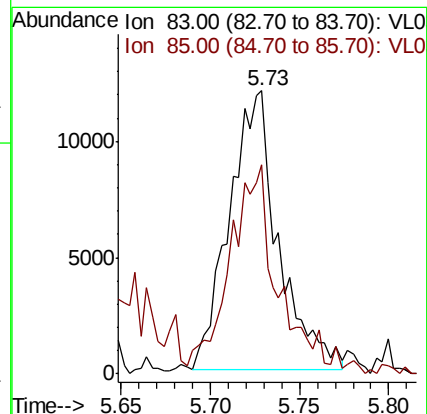
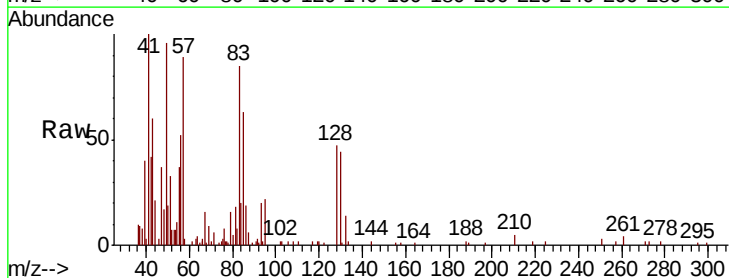
Tot Ion: 73 Resp: 19327
 Ion Ratio Lower Upper
 73 100
 57 39.5 19.2 28.8#

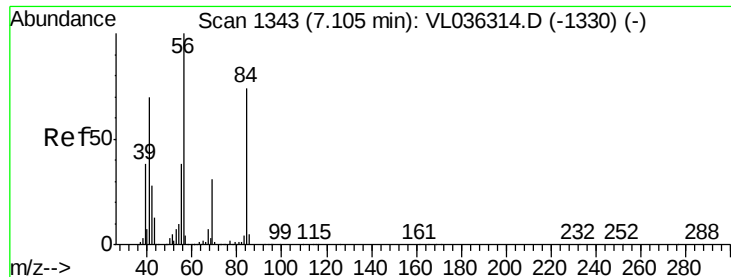


#29

Chloroform
 Concen: 0.094 ppbv
 RT: 5.73 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VL036402.D
 Acq: 26 Feb 2021 14:52

Tgt Ion: 83 Resp: 23043
 Ion Ratio Lower Upper
 83 100
 85 72.7 51.4 77.2

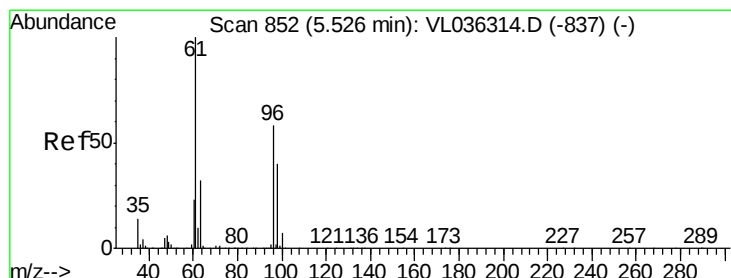
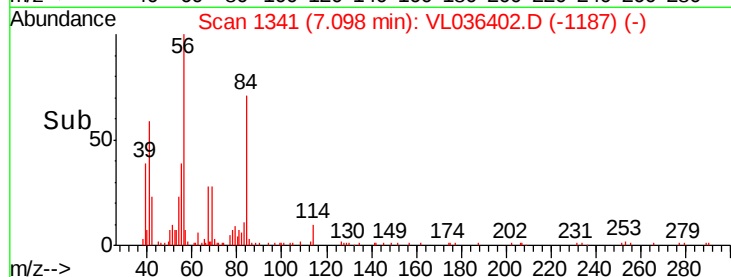
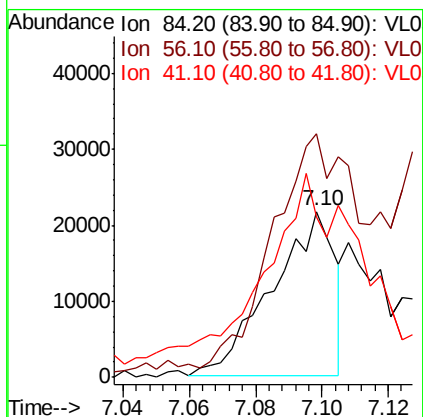
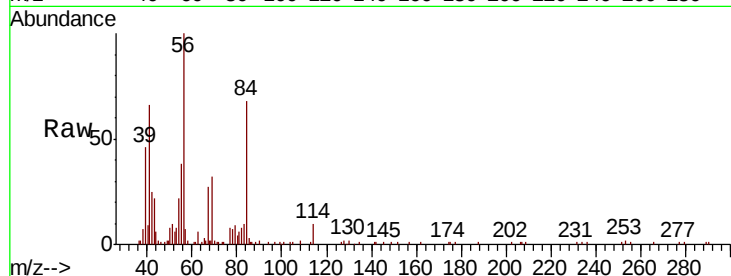




#30
Cyclohexane
Concen: 0.223 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

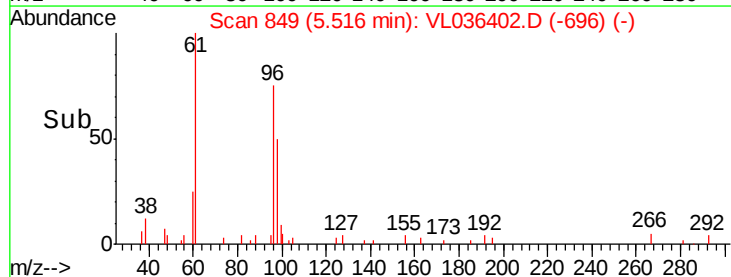
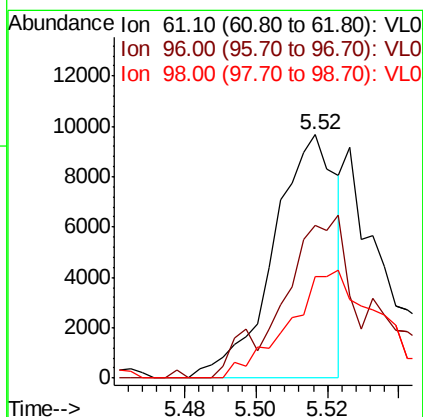
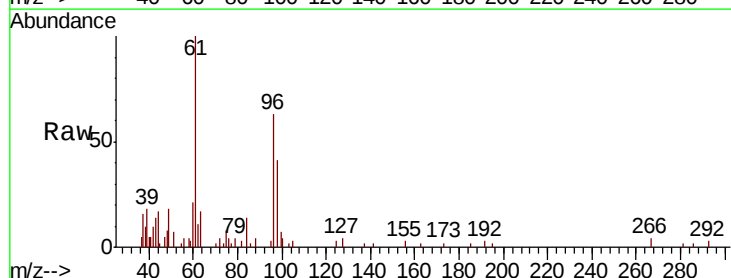
Instrument :
MSVOA_L
ClientSampled :

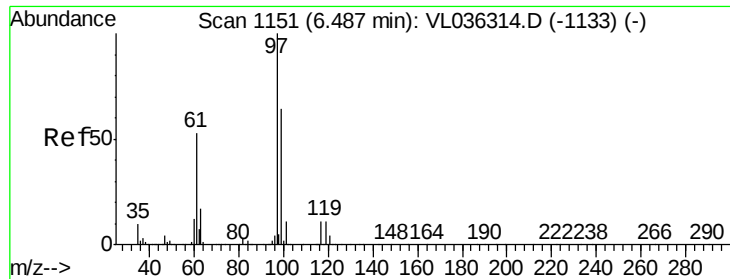
Tot Ion: 84 Resp: 28224
Ion Ratio Lower Upper
84 100
56 214.8 120.2 180.4#
41 205.5 79.7 119.5#



#31
cis-1,2-Dichloroethene
Concen: 0.078 ppbv
RT: 5.52 min Scan# 849
Delta R.T. -0.01 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Tgt Ion: 61 Resp: 11790
Ion Ratio Lower Upper
61 100
96 62.6 46.0 69.0
98 41.4 31.9 47.9





#32

1,1,1-Trichloroethane

Concen: 0.045 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

ClientSampleId :

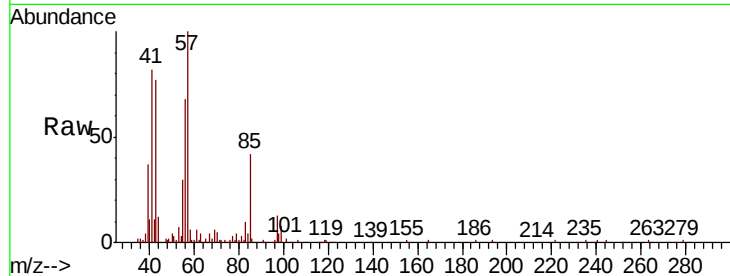
Tot Ion: 97 Resp: 10218

Ion Ratio Lower Upper

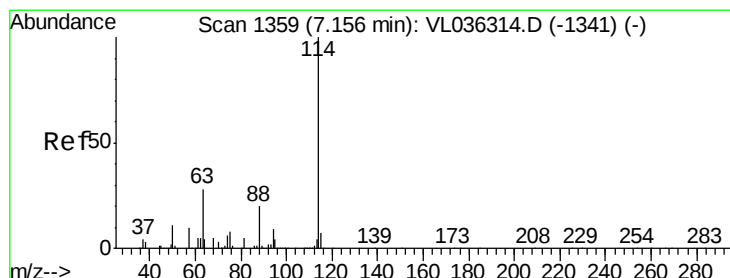
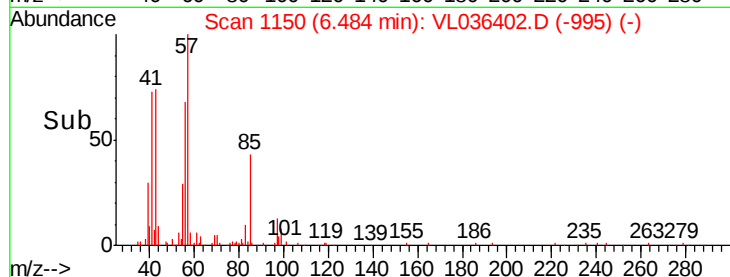
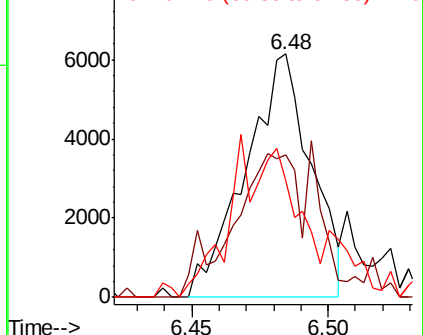
97 100

99 78.3 52.2 78.4

61 78.9 43.3 64.9#



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: 7.14 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

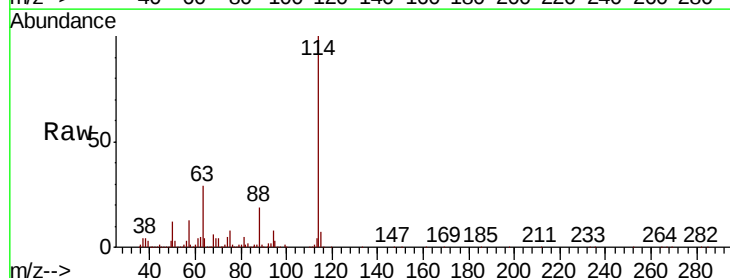
Tgt Ion: 114 Resp: 3433474

Ion Ratio Lower Upper

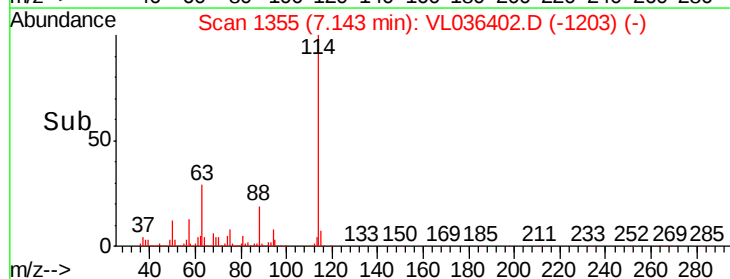
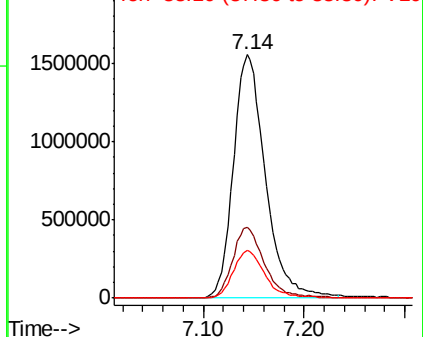
114 100

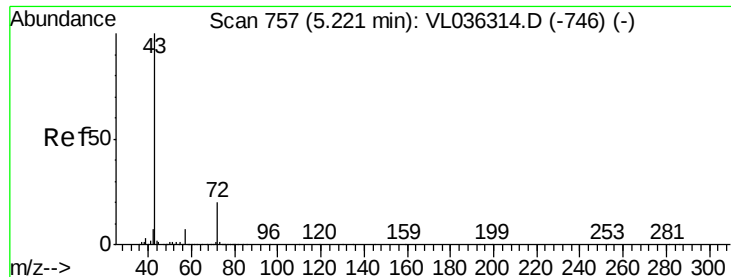
63 29.1 24.1 36.1

88 19.5 16.0 24.0



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

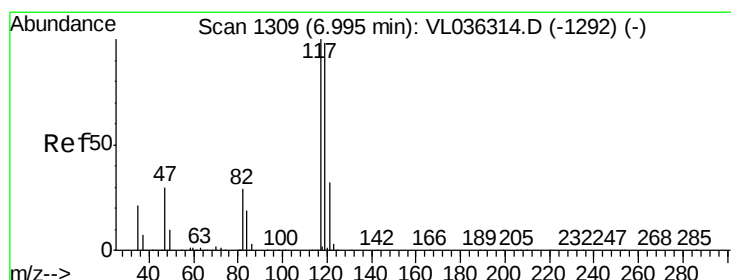
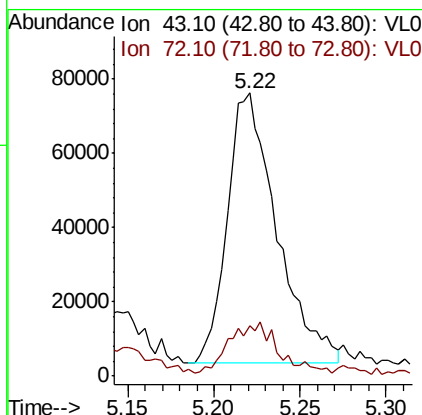
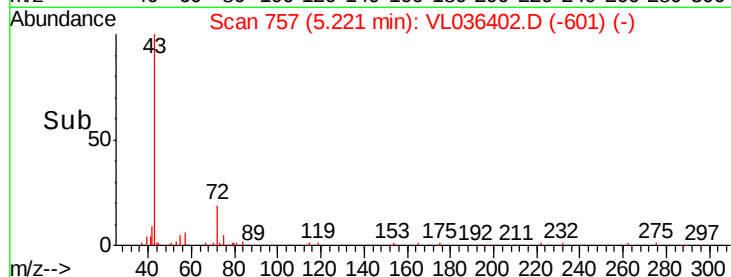
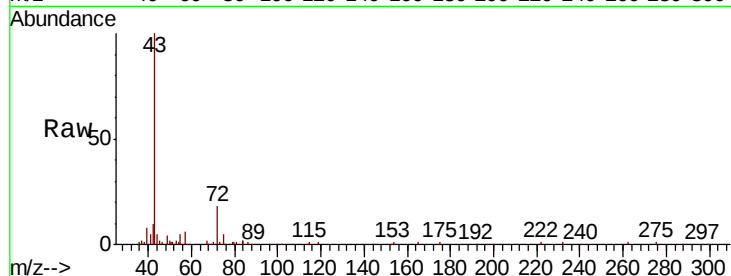




#34
2-Butanone
Concen: 0.638 ppbv
RT: 5.22 min Scan# 757
Delta R.T. 0.00 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

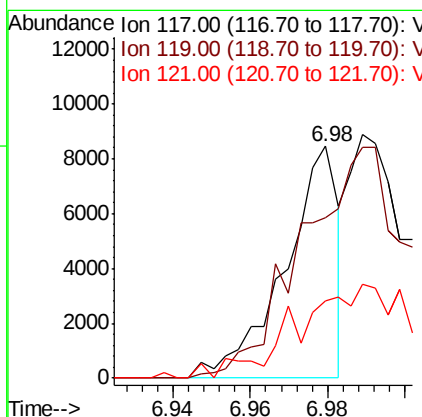
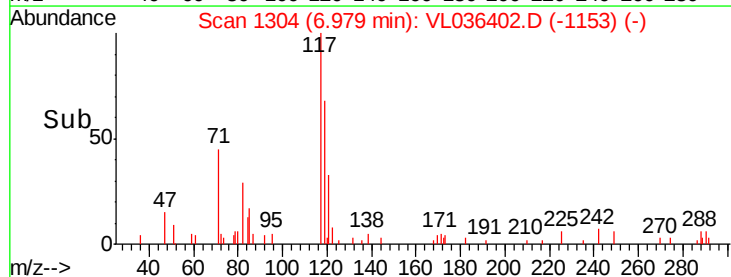
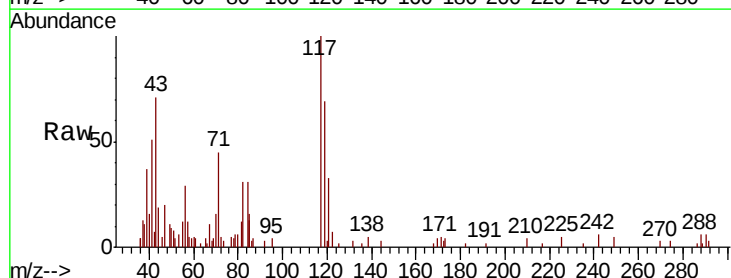
Instrument :
MSVOA_L
ClientSampleId :

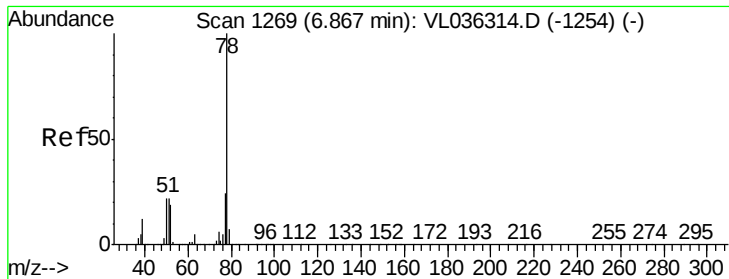
Tot Ion: 43 Resp: 145535
Ion Ratio Lower Upper
43 100
72 22.4 16.7 25.1



#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 6.98 min Scan# 1304
Delta R.T. -0.02 min
Lab File: VL036402.D
Acq: 26 Feb 2021 14:52

Tgt Ion: 117 Resp: 8116
Ion Ratio Lower Upper
117 100
119 71.4 78.1 117.1#
121 34.6 25.8 38.8





#36

Benzene

Concen: 0.307 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

ClientSampleId :

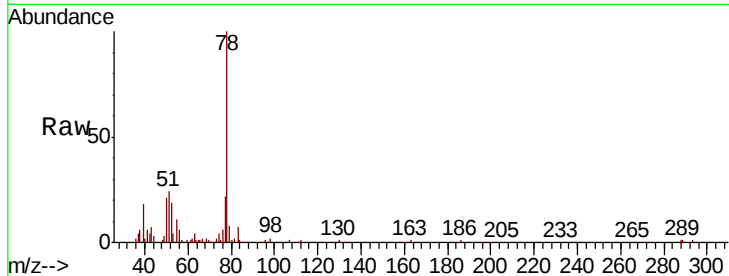
Tot Ion: 78 Resp: 89578

Ion Ratio Lower Upper

78 100

77 19.1 18.9 28.3

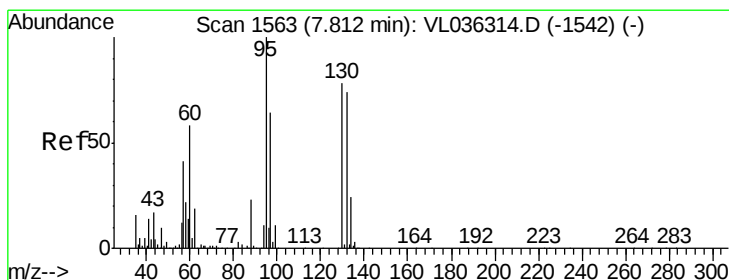
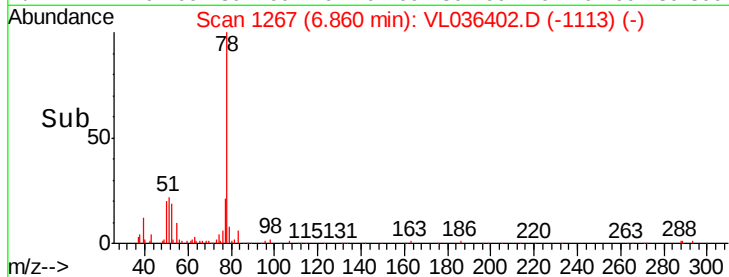
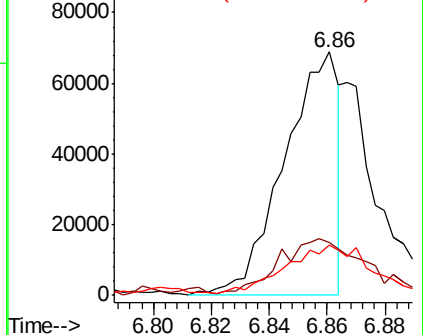
50 19.5 17.3 25.9



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



#38

Trichloroethene

Concen: 0.194 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Tgt Ion: 130 Resp: 20226

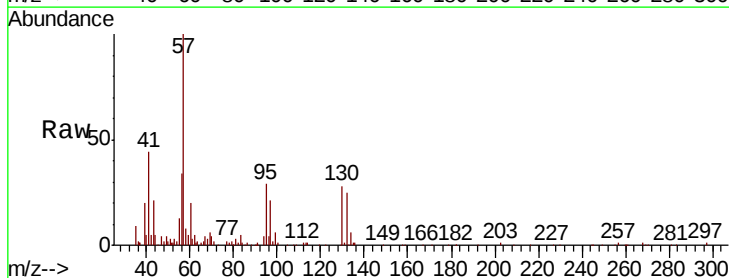
Ion Ratio Lower Upper

130 100

95 95.9 102.8 154.2#

132 88.2 75.7 113.5

97 72.7 66.2 99.2

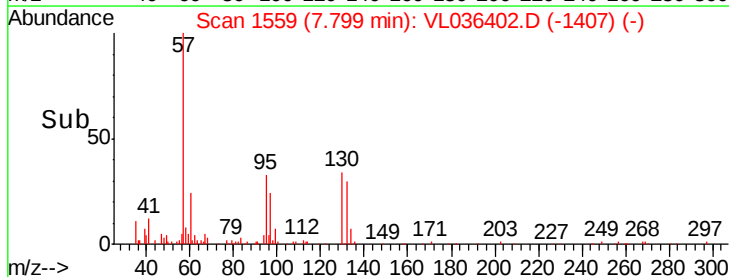
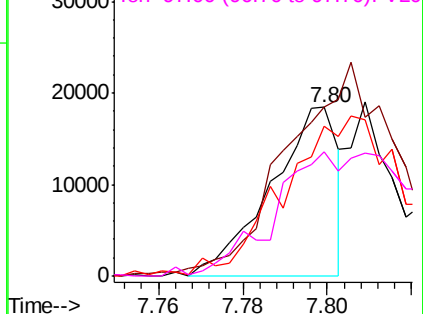


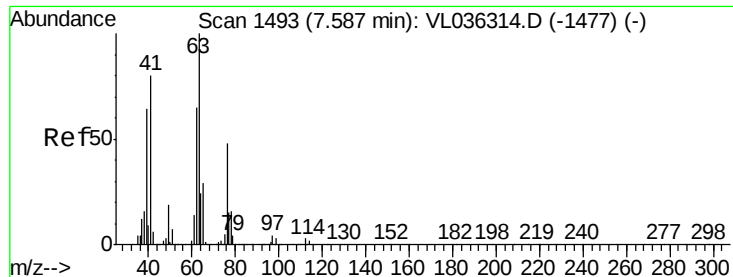
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

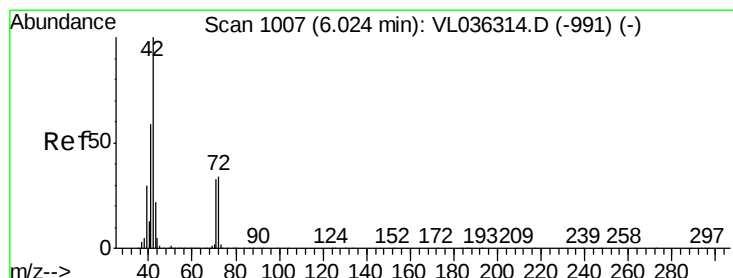
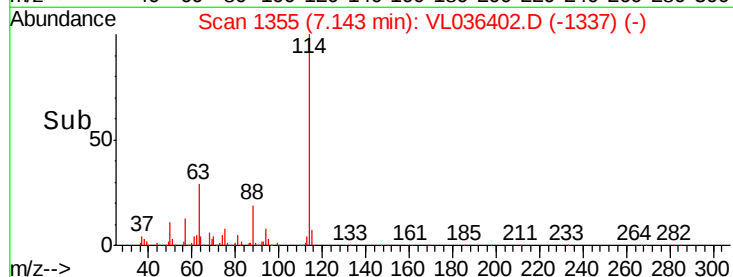
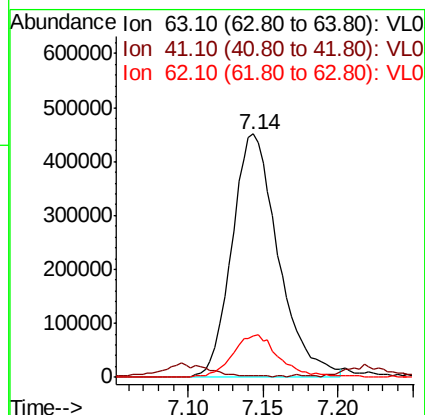
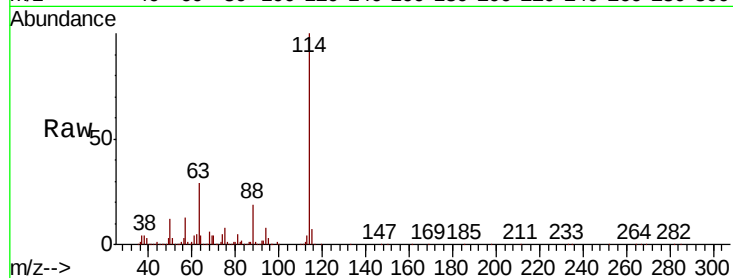




#39
 1,2-Dichloropropane
 Concen: 8.122 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.44 min
 Lab File: VL036402.D
 Acq: 26 Feb 2021 14:52

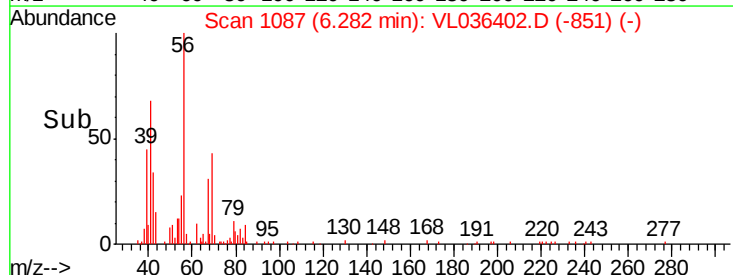
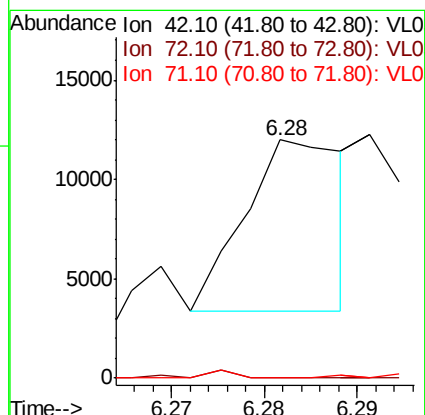
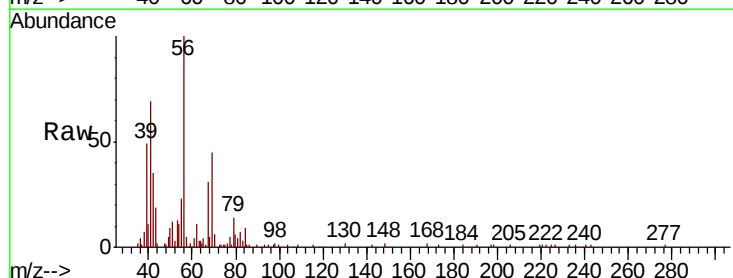
Instrument :
 MSVOA_L
 ClientSampleId :

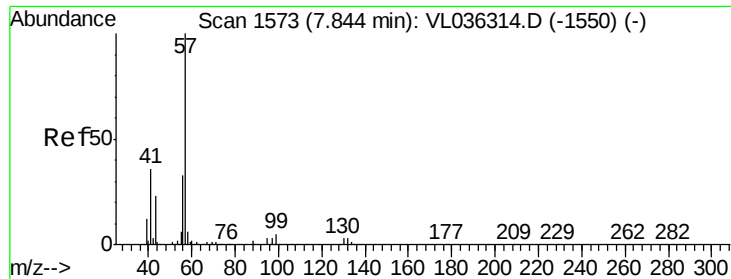
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.8	95.6#
62	17.0	52.3	78.5#



#41
 Tetrahydrofuran
 Concen: 0.050 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. 0.26 min
 Lab File: VL036402.D
 Acq: 26 Feb 2021 14:52

Tgt Ion	Ratio	Lower	Upper
42	100		
72	6.9	29.3	43.9#
71	0.0	27.8	41.8#





#44

2,2,4-Trimethylpentane

Concen: 7.496 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

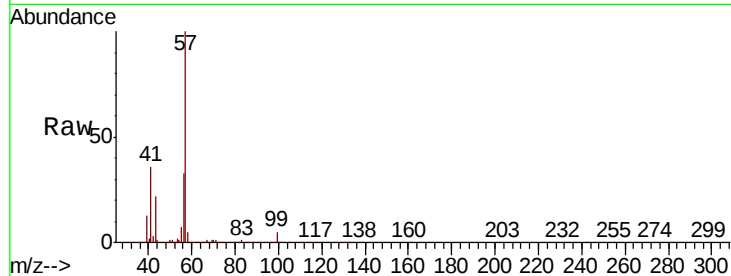
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 3975713

Ion	Ratio	Lower	Upper
57	100		
41	37.9	28.8	43.2
56	34.5	25.8	38.6

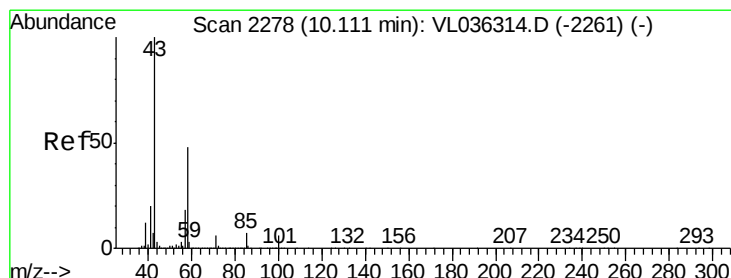
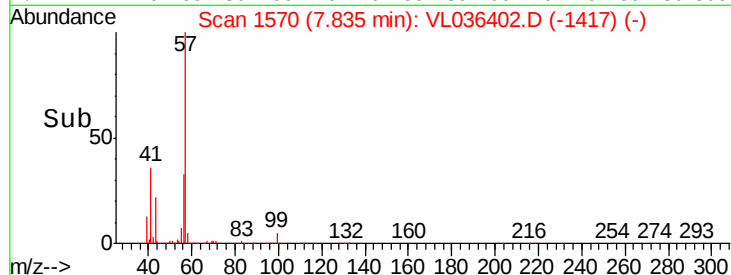
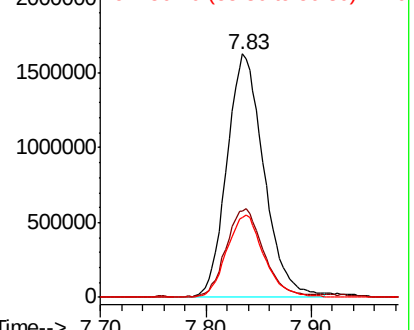


Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#51

2-Hexanone

Concen: 0.589 ppbv

RT: 10.39 min Scan# 2365

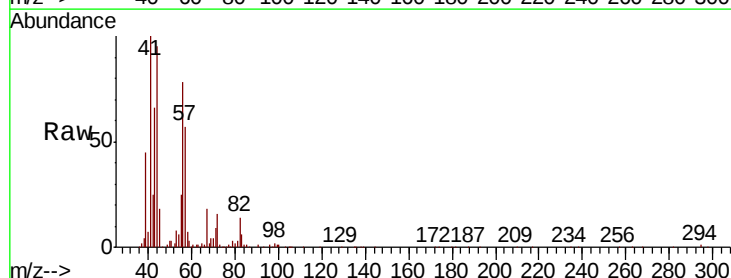
Delta R.T. 0.28 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Tgt Ion: 43 Resp: 151573

Ion	Ratio	Lower	Upper
43	100		
58	17.7	38.7	58.1#
98	2.8	0.4	0.6#

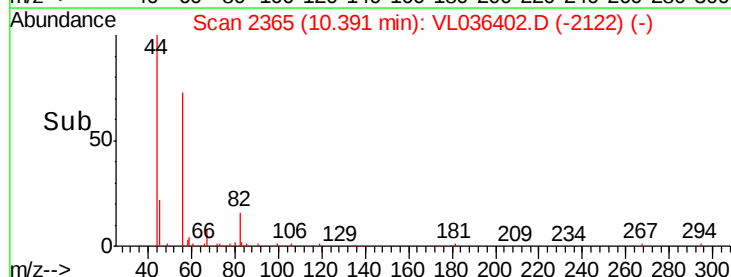
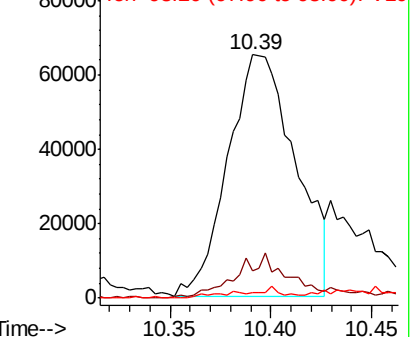


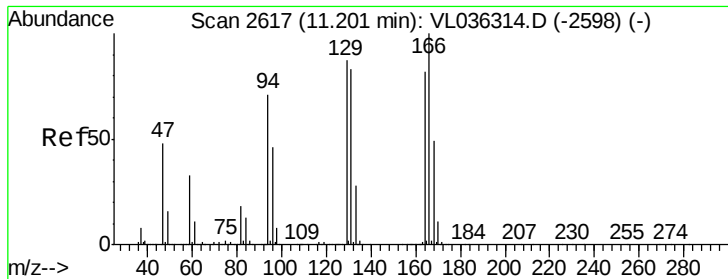
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 1.498 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.01 min

Lab File: VL036402.D

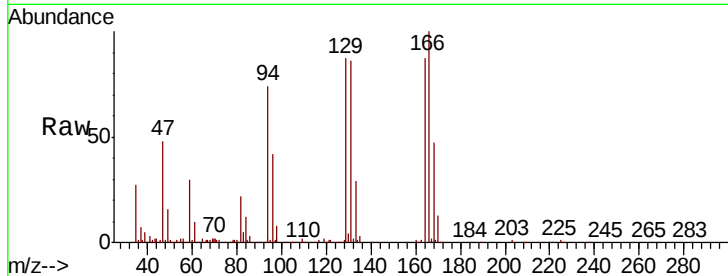
Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164	Resp:	159907
Ion	Ratio	Lower Upper
164	100	
166	116.3	97.8 146.8
129	101.3	84.9 127.3
131	100.0	81.4 122.2

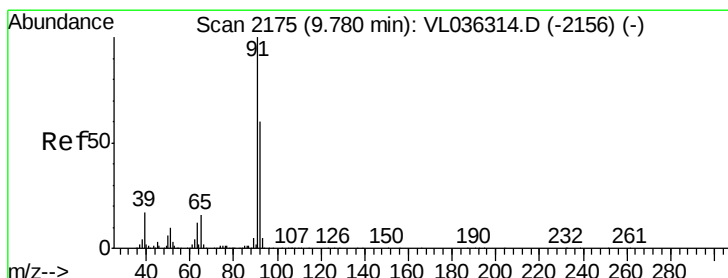
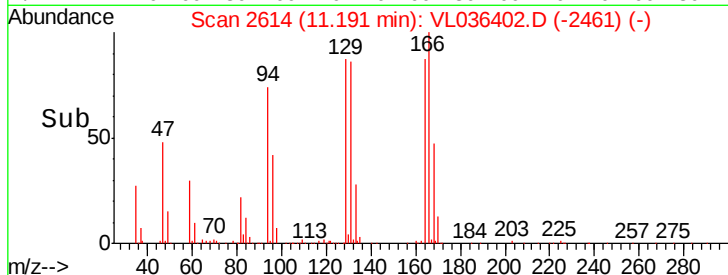
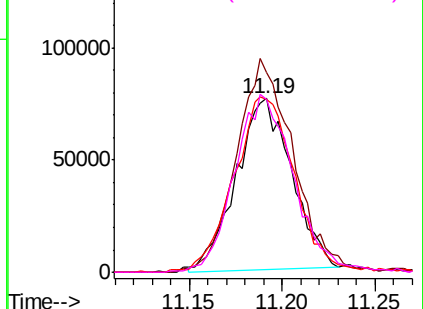


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 4.418 ppbv

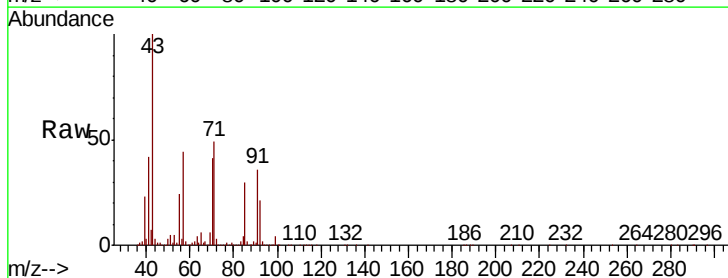
RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036402.D

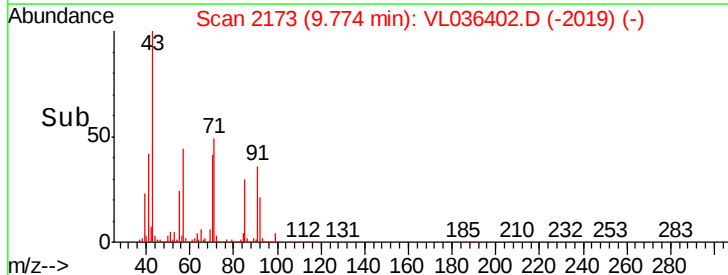
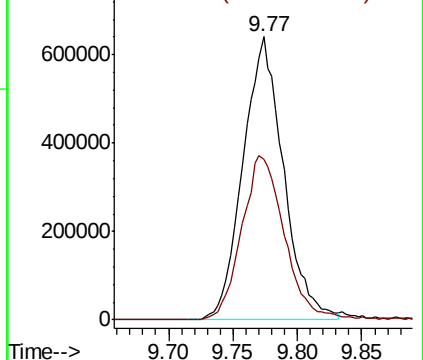
Acq: 26 Feb 2021 14:52

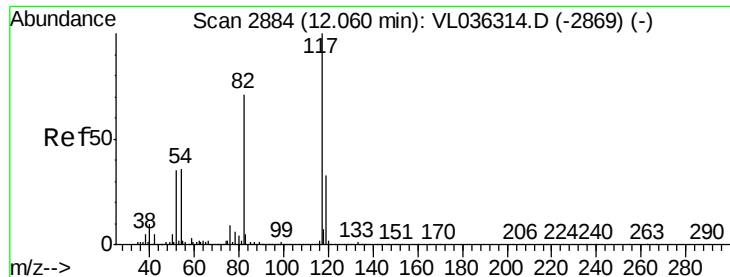
Tgt Ion: 91	Resp:	1395671
Ion	Ratio	Lower Upper
91	100	
92	61.6	48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

ClientSampled :

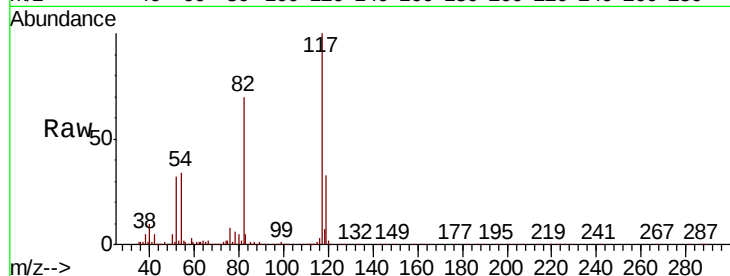
Tot Ion:117 Resp: 3113493

Ion Ratio Lower Upper

117 100

82 74.1 59.1 88.7

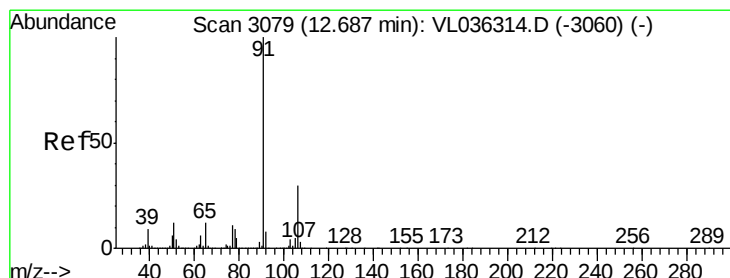
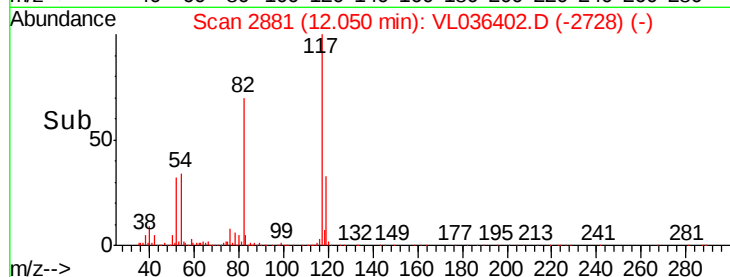
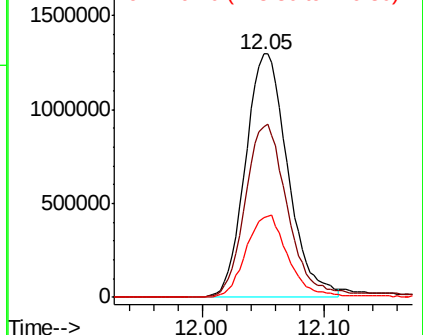
119 33.9 46.3 69.5#



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



#58

Ethyl Benzene

Concen: 0.857 ppbv

RT: 12.68 min Scan# 3077

Delta R.T. -0.01 min

Lab File: VL036402.D

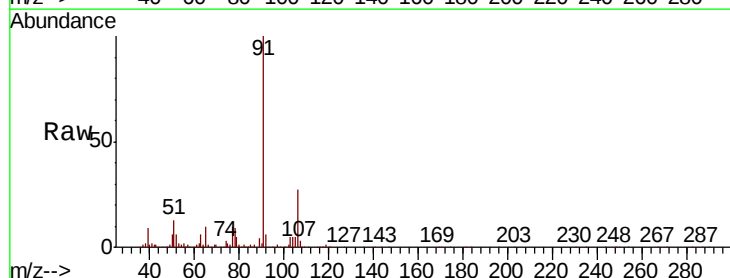
Acq: 26 Feb 2021 14:52

Tgt Ion: 91 Resp: 365321

Ion Ratio Lower Upper

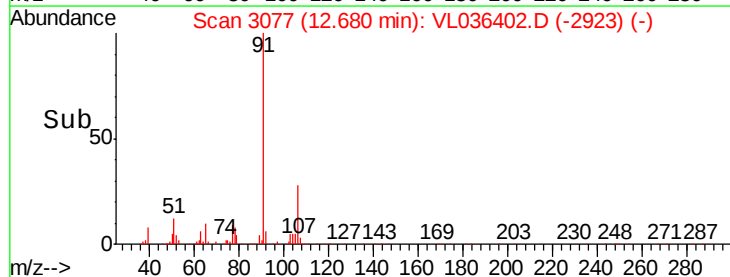
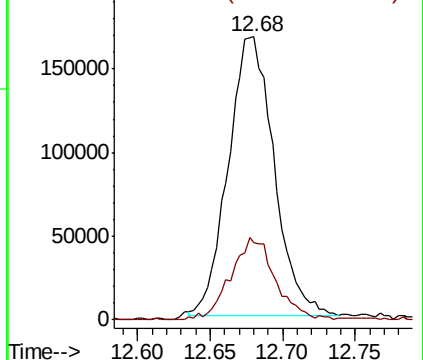
91 100

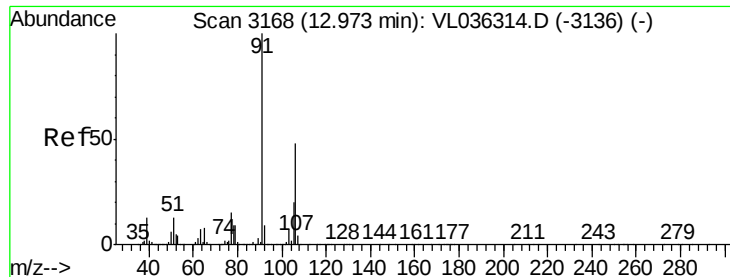
106 27.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 3.743 ppbv

RT: 12.93 min Scan# 3155

Delta R.T. -0.04 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

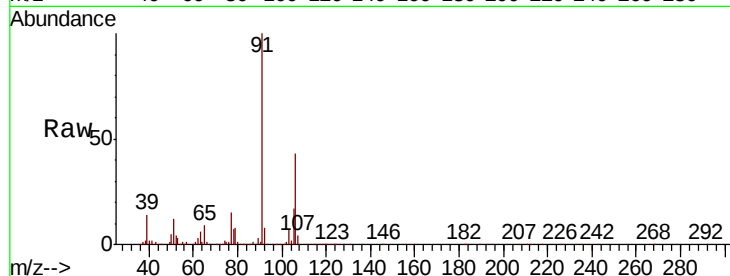
ClientSampleId :

Tot Ion: 91 Resp: 1401857

Ion Ratio Lower Upper

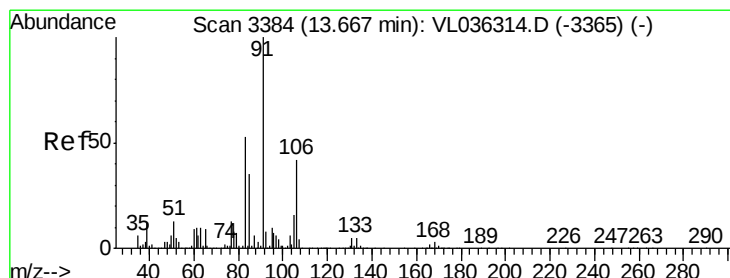
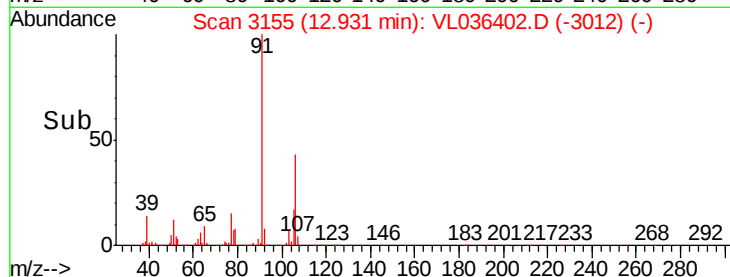
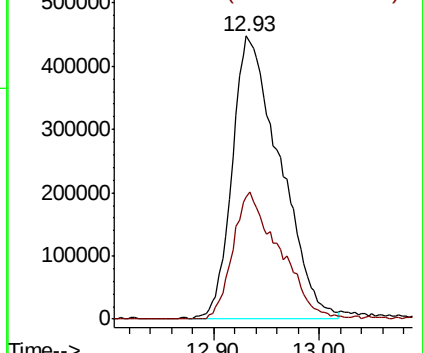
91 100

106 44.0 34.2 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.477 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL036402.D

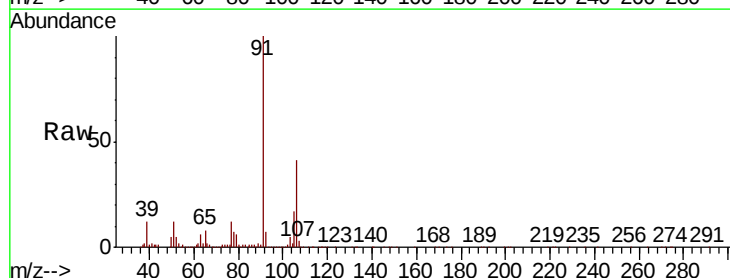
Acq: 26 Feb 2021 14:52

Tgt Ion: 91 Resp: 528908

Ion Ratio Lower Upper

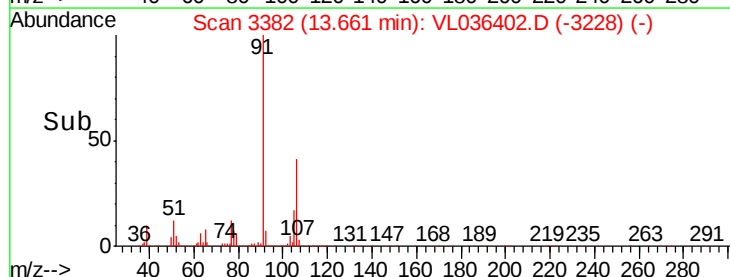
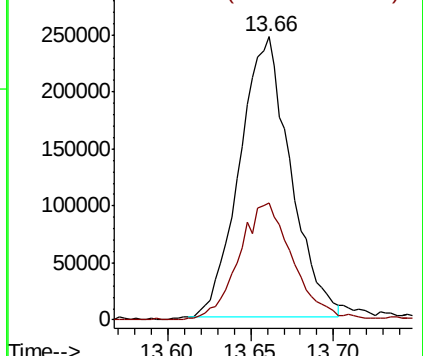
91 100

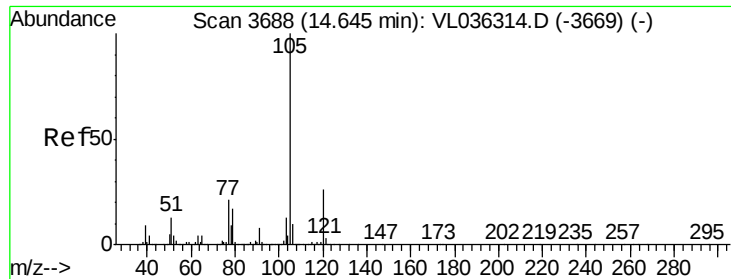
106 44.9 22.0 66.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#62

Isopropylbenzene

Concen: 0.038 ppbv

RT: 14.64 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

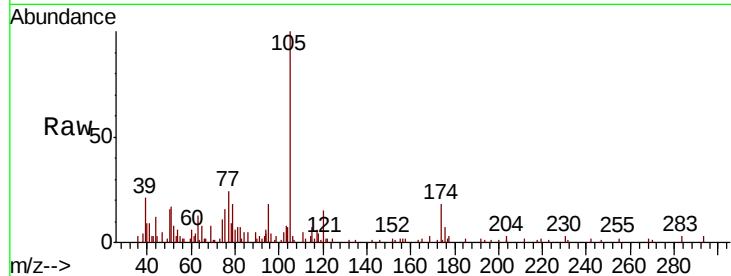
ClientSampleId :

Tot Ion:105 Resp: 20562

Ion Ratio Lower Upper

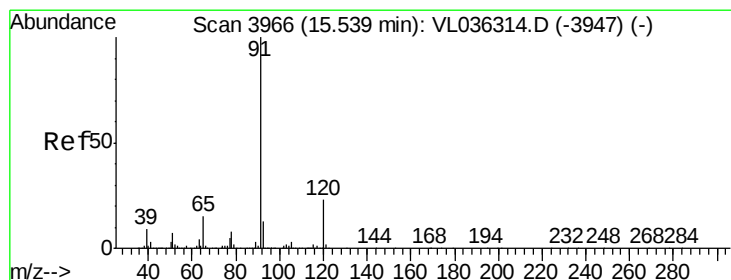
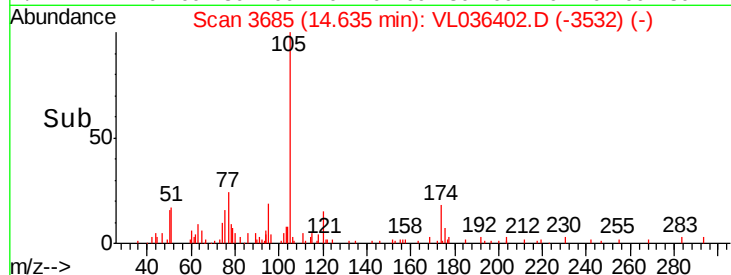
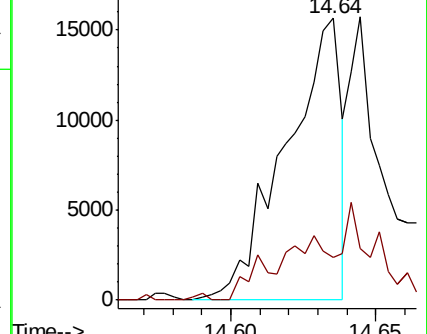
105 100

120 0.0 20.6 30.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.110 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.01 min

Lab File: VL036402.D

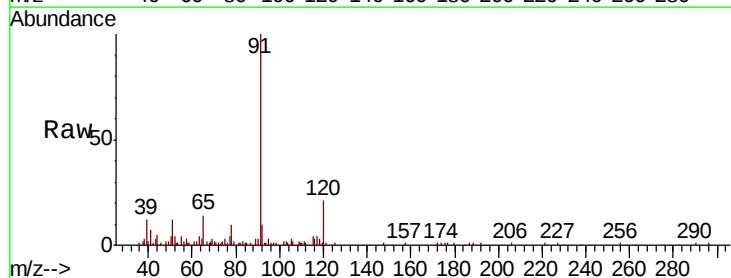
Acq: 26 Feb 2021 14:52

Tgt Ion:120 Resp: 14521

Ion Ratio Lower Upper

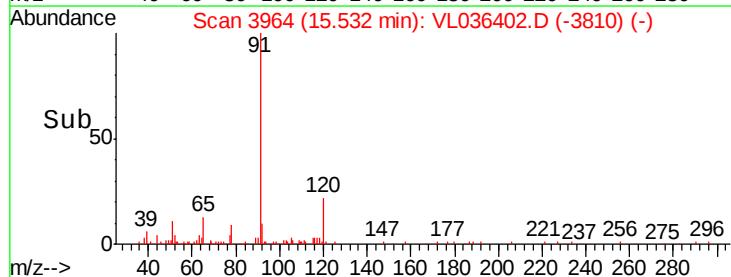
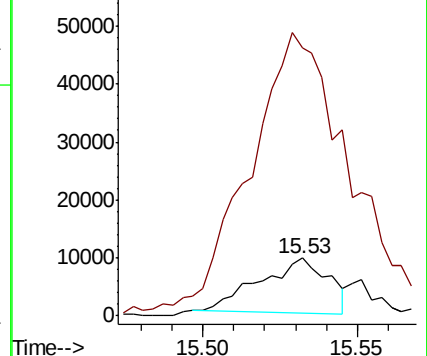
120 100

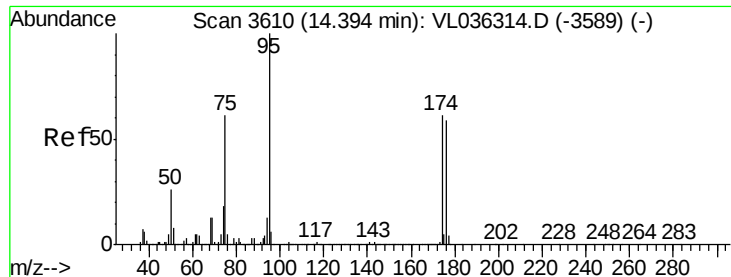
91 797.0 387.2 580.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

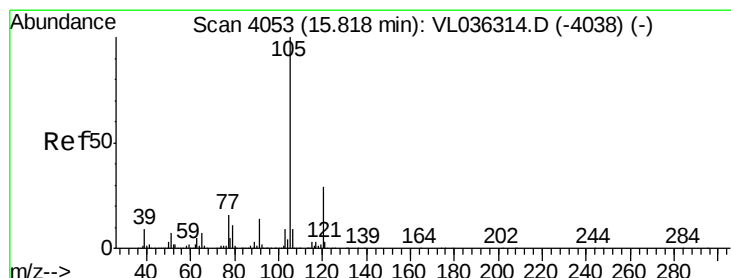
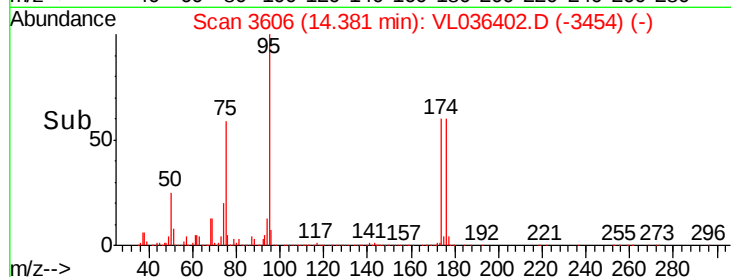
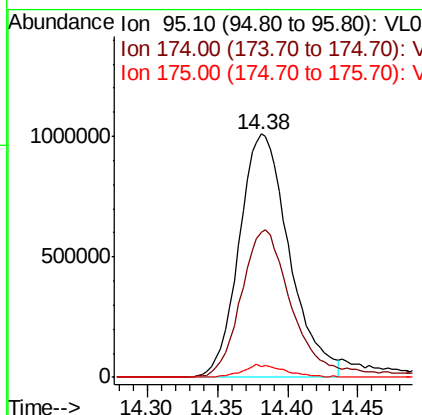
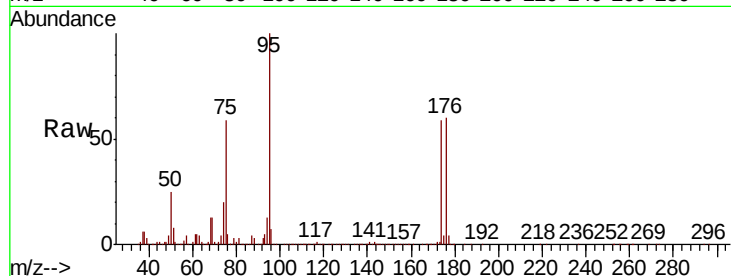




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.791 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.01 min
 Lab File: VL036402.D
 Acq: 26 Feb 2021 14:52

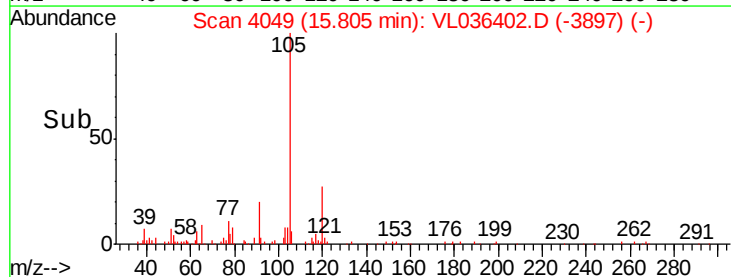
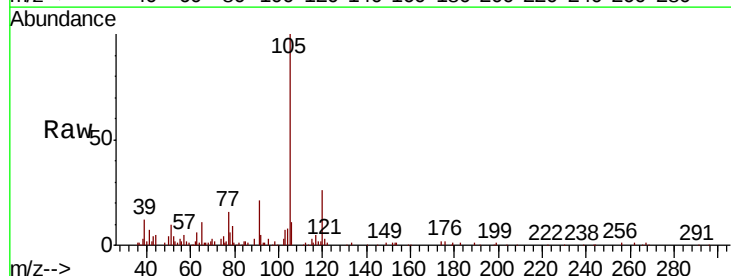
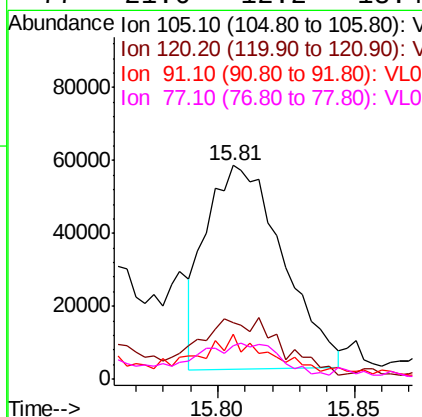
Instrument :
 MSVOA_L
 ClientSampled :

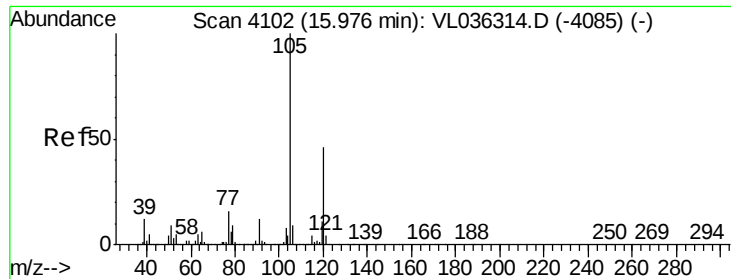
Tot Ion: 95 Resp: 2508135
 Ion Ratio Lower Upper
 95 100
 174 65.2 49.8 74.6
 175 4.9 3.7 5.5



#72
 4-Ethyltoluene
 Concen: 0.274 ppbv
 RT: 15.81 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VL036402.D
 Acq: 26 Feb 2021 14:52

Tgt Ion: 105 Resp: 109245
 Ion Ratio Lower Upper
 105 100
 120 38.0 23.2 34.8#
 91 24.3 11.0 16.4#
 77 21.6 12.2 18.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.212 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Instrument :

MSVOA_L

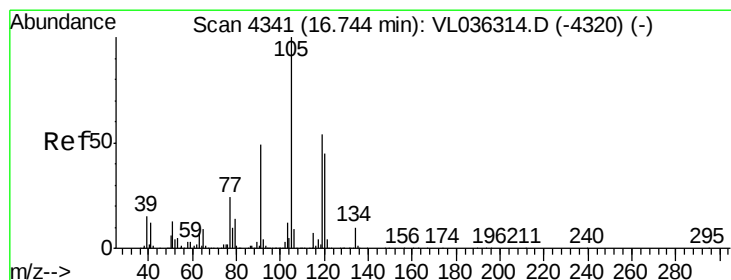
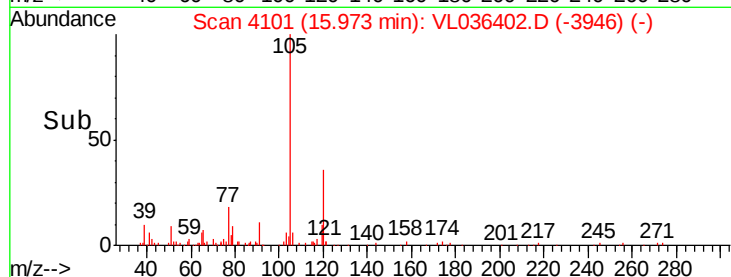
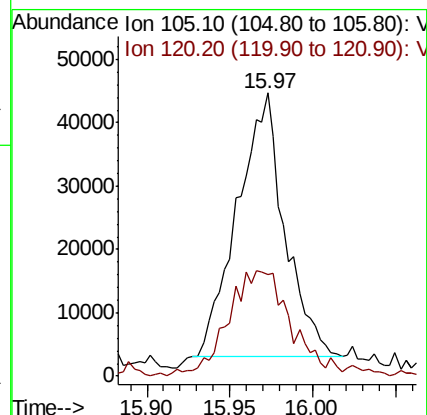
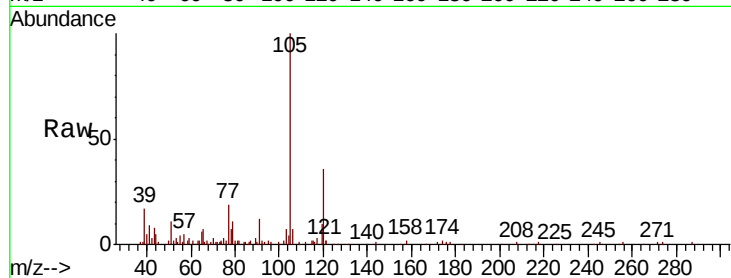
ClientSampleId :

Tot Ion:105 Resp: 82066

Ion Ratio Lower Upper

105 100

120 37.0 36.9 55.3



#74

1,2,4-Trimethylbenzene

Concen: 0.947 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.01 min

Lab File: VL036402.D

Acq: 26 Feb 2021 14:52

Tgt Ion:105 Resp: 373618

Ion Ratio Lower Upper

105 100

120 31.8 35.8 53.6#

91 10.2 39.8 59.6#

77 15.7 19.1 28.7#

