

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036350.D
 Acq On : 24 Feb 2021 14:36
 Operator : SY/AP
 Sample : M1463-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8

Quant Time: Feb 25 05:17:32 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	5.67	49	1713535	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	3632835	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3378653	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2771305	9.97	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	40303	0.158	ppbv	91
3) Chlorodifluoromethane	2.99	51	99389	0.467	ppbv #	83
4) Chloromethane	3.14	50	76706	0.746	ppbv	99
7) Chloroethane	3.55	64	1255	0.037	ppbv	95
9) Propene	3.02	41	122163	1.539	ppbv	90
10) Heptane	8.13	43	306703	1.311	ppbv	97
11) Trichlorofluoromethane	3.95	101	60327	0.241	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	12800	0.083	ppbv #	62
13) Ethanol	3.62	45	3981619	267.046	ppbv	90
15) Acetone	3.85	43	1907034	9.105	ppbv	98
16) 1,3-Butadiene	3.33	39	8780	0.088	ppbv #	1
17) tert-Butyl alcohol	4.31	59	27305	0.168	ppbv #	71
19) Isopropyl Alcohol	3.99	45	4366817	37.630	ppbv #	97
20) Methylene Chloride	4.35	84	1979892	29.299	ppbv	96
23) Vinyl Acetate	5.06	43	137186	0.557	ppbv #	26
25) Ethyl Acetate	5.69	43	588515	1.455	ppbv #	84
26) Hexane	5.69	57	655185	3.944	ppbv #	44
27) Carbon Disulfide	4.55	76	5945	0.039	ppbv #	58
30) Cyclohexane	7.13	84	25446	0.184	ppbv #	36
34) 2-Butanone	5.25	43	152085	0.630	ppbv	93
36) Benzene	6.90	78	211139	0.684	ppbv	96
37) 1,2-Dichloroethane	6.31	62	9524	0.050	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	1047125	8.353	ppbv #	24
44) 2,2,4-Trimethylpentane	7.87	57	1405071	2.504	ppbv #	91
48) Dibromochloromethane	10.31	129	5801	0.030	ppbv #	10
50) 4-Methyl-2-Pentanone	8.75	43	17930	0.050	ppbv #	40
51) 2-Hexanone	10.12	43	45424	0.167	ppbv #	73
52) Tetrachloroethene	11.22	164	6422	0.057	ppbv	91
53) Toluene	9.81	91	2718227	8.132	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	5464	0.035	ppbv #	1
58) Ethyl Benzene	12.72	91	668826	1.446	ppbv	99
59) m/p-Xylene	12.97	91	1667398	4.103	ppbv	94
60) o-Xylene	13.70	91	619130	1.593	ppbv	99
62) Isopropylbenzene	14.68	105	64298	0.110	ppbv #	73
64) n-propylbenzene	15.58	120	30566	0.213	ppbv #	1
65) tert-Butylbenzene	16.77	119	92009	0.185	ppbv #	70
72) 4-Ethyltoluene	15.85	105	231732	0.536	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.01	105	68497	0.163	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	629749	1.472	ppbv #	72
77) 1,2-Dichlorobenzene	17.83	146	8402	0.036	ppbv #	1
80) Naphthalene,2-methyl-	25.01	142	3914	0.083	ppbv	87

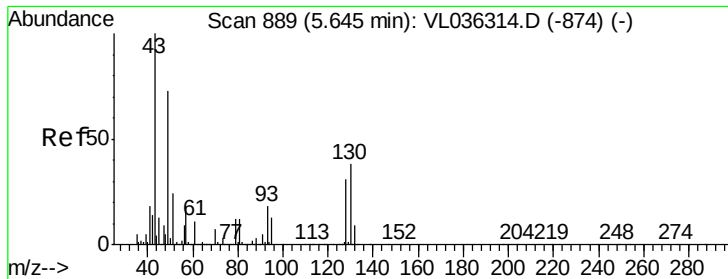
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
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Quant Time: Feb 25 05:17:32 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

NS-8

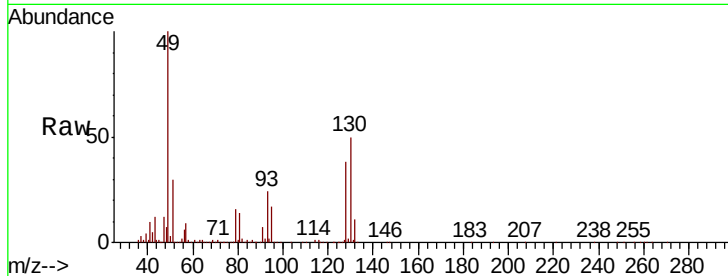
Tot Ion: 49 Resp: 1713535

Ion Ratio Lower Upper

49 100

128 40.4 20.8 62.5

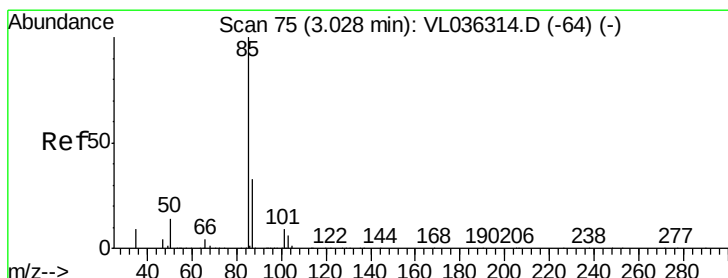
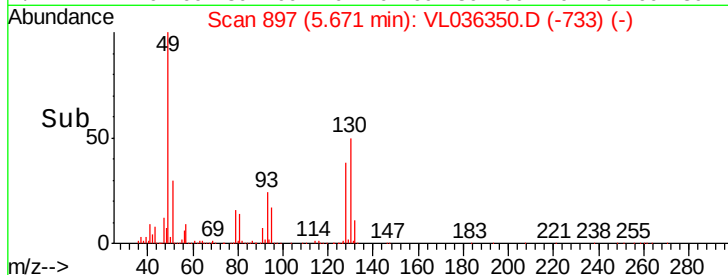
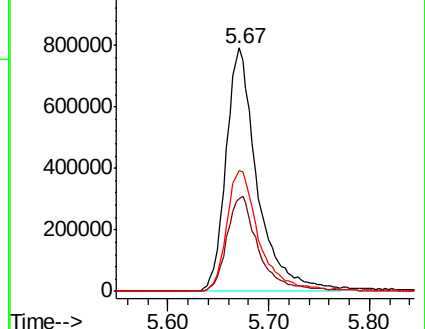
130 52.4 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.158 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.02 min

Lab File: VL036350.D

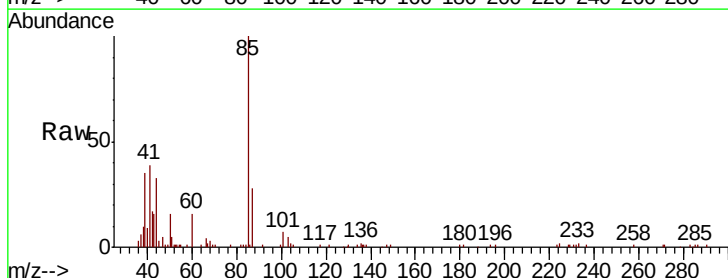
Acq: 24 Feb 2021 14:36

Tgt Ion: 85 Resp: 40303

Ion Ratio Lower Upper

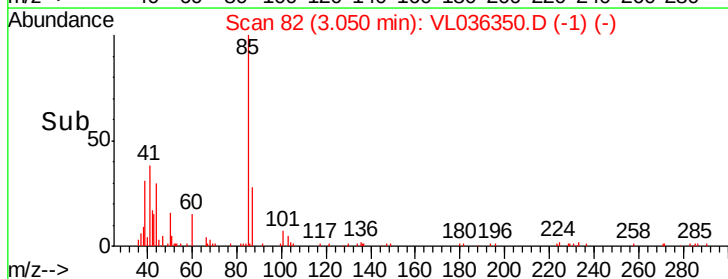
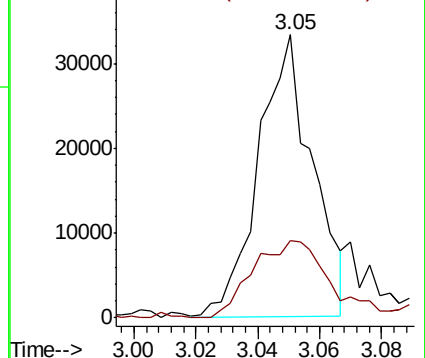
85 100

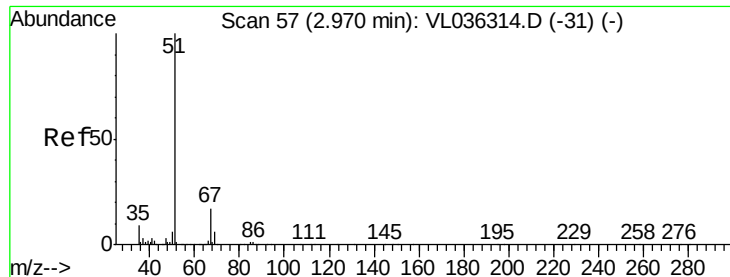
87 27.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.467 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

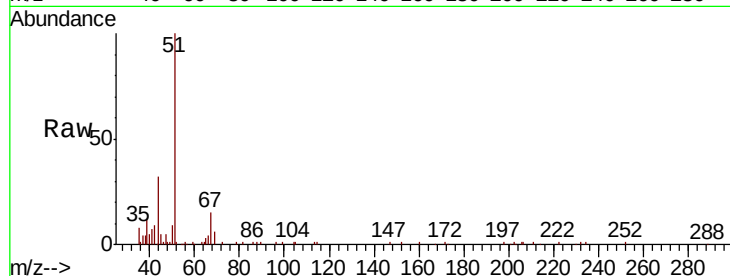
NS-8

Tot Ion: 51 Resp: 99389

Ion Ratio Lower Upper

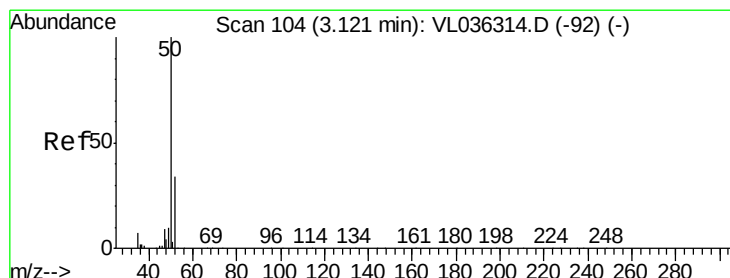
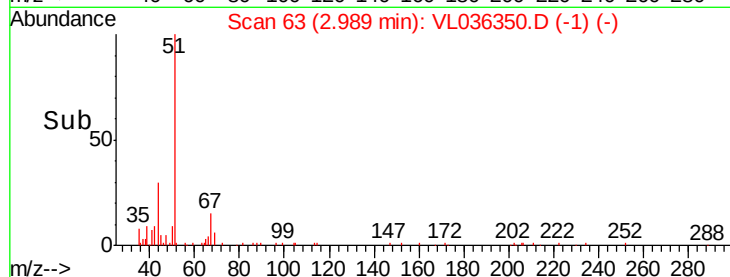
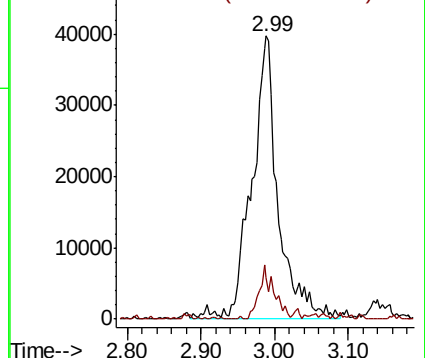
51 100

67 10.8 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.746 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.02 min

Lab File: VL036350.D

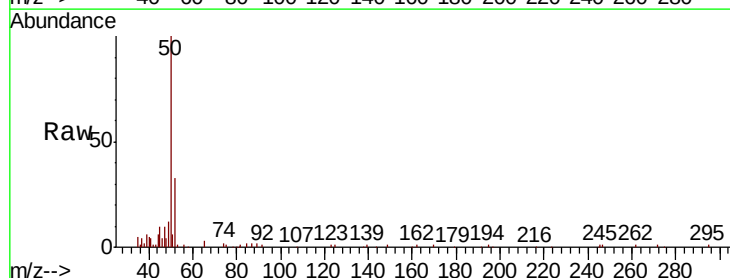
Acq: 24 Feb 2021 14:36

Tgt Ion: 50 Resp: 76706

Ion Ratio Lower Upper

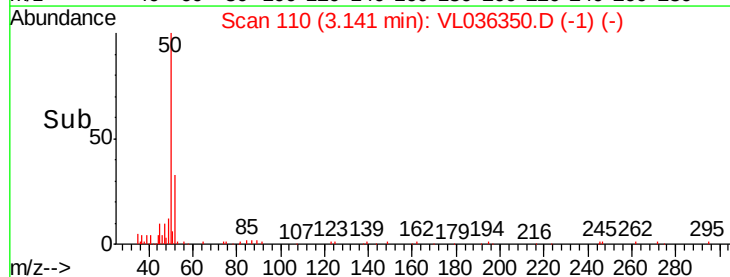
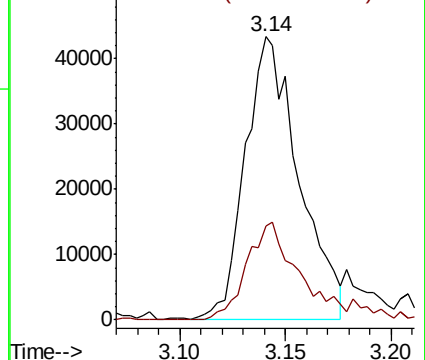
50 100

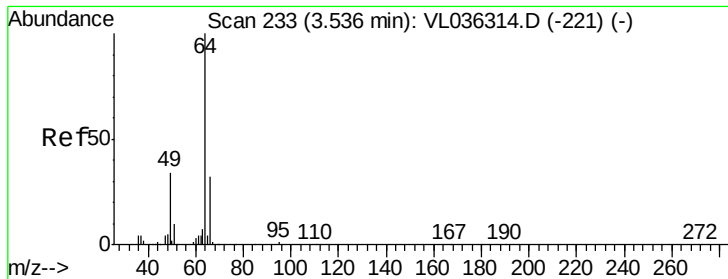
52 33.3 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.037 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.02 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

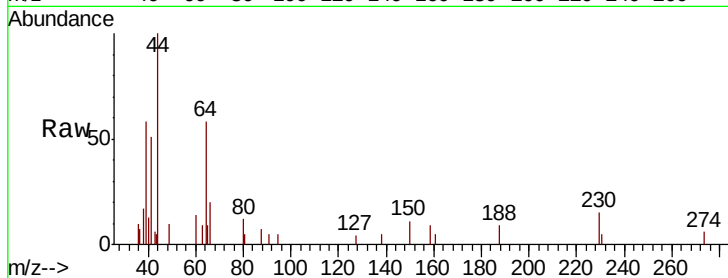
NS-8

Tot Ion: 64 Resp: 1255

Ion Ratio Lower Upper

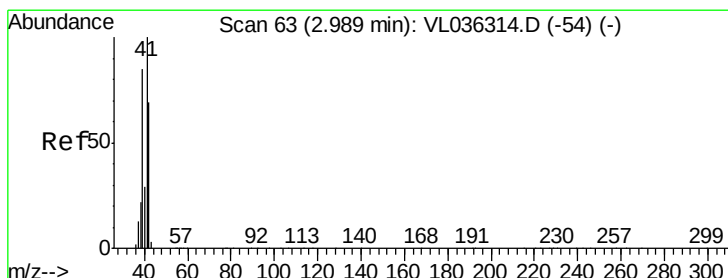
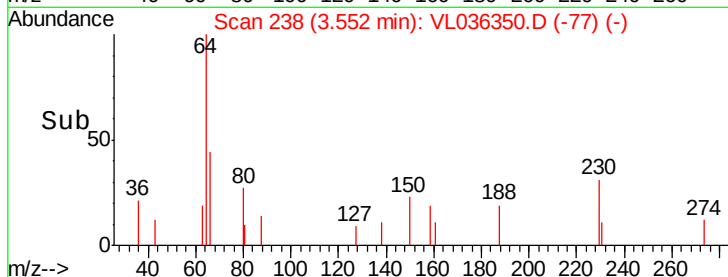
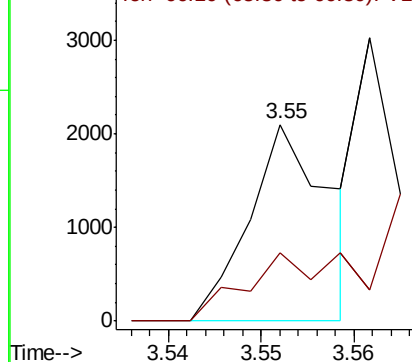
64 100

66 35.0 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 1.539 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.03 min

Lab File: VL036350.D

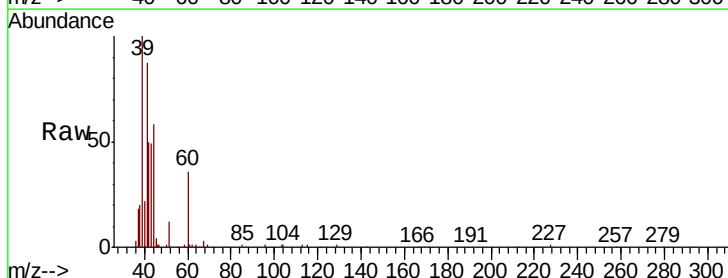
Acq: 24 Feb 2021 14:36

Tgt Ion: 41 Resp: 122163

Ion Ratio Lower Upper

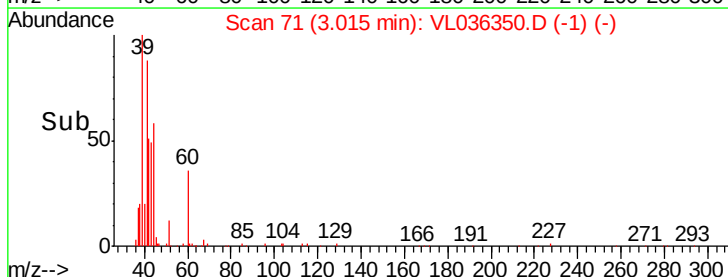
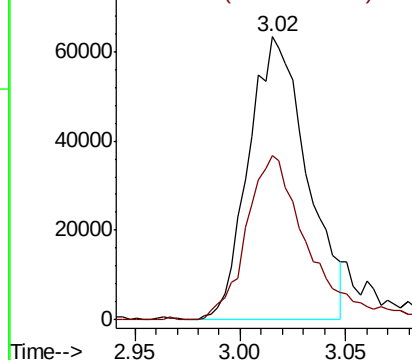
41 100

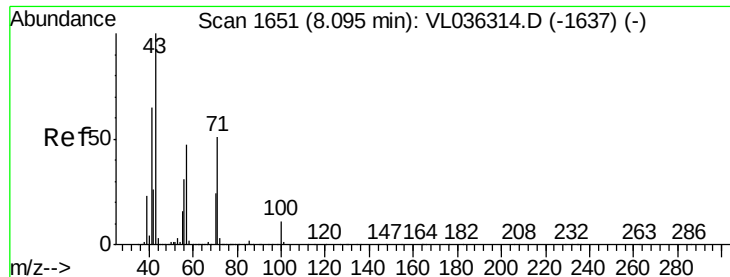
42 62.0 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

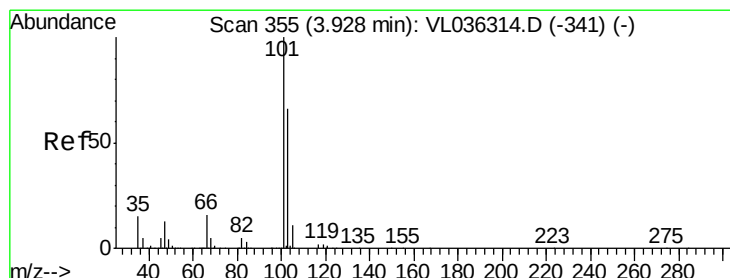
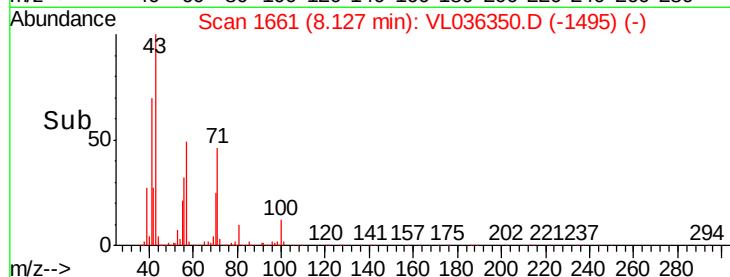
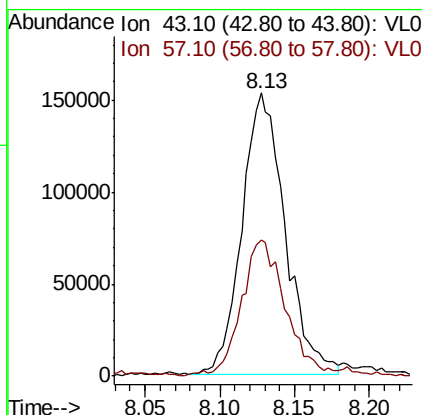
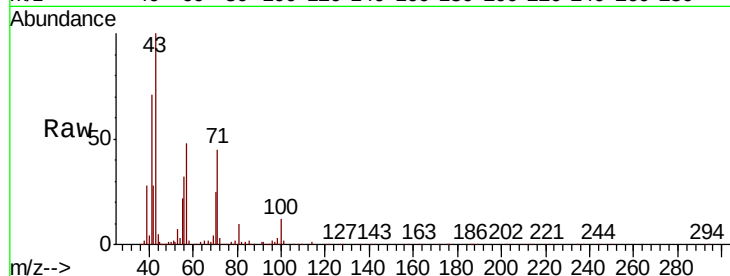




#10
 Heptane
 Concen: 1.311 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.03 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

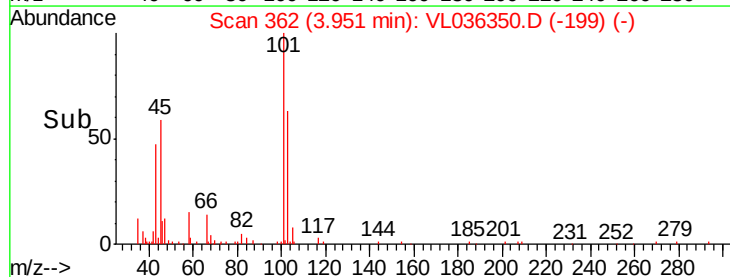
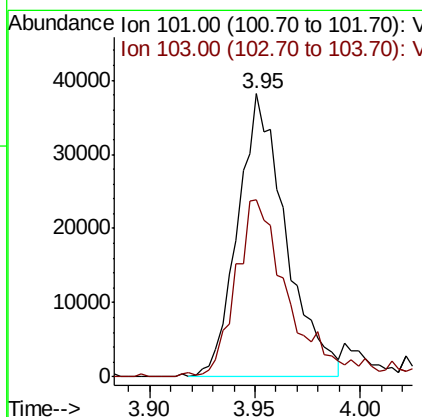
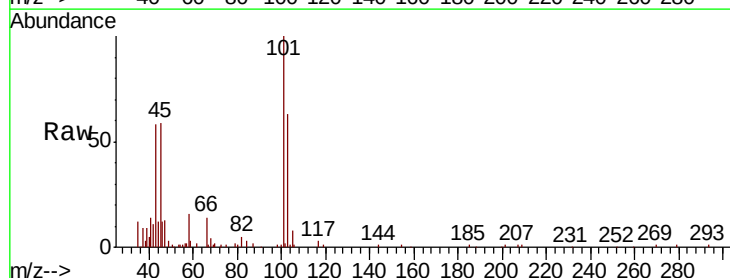
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8

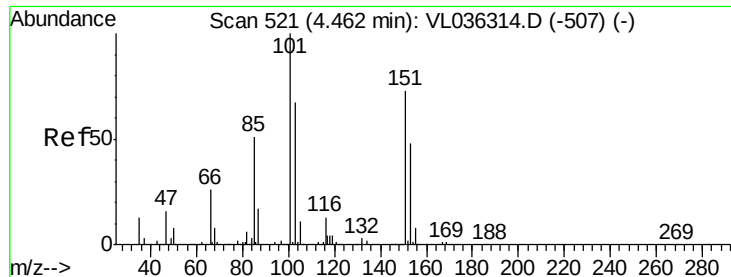
Tot Ion: 43 Resp: 306703
 Ion Ratio Lower Upper
 43 100
 57 51.2 39.4 59.2



#11
 Trichlorofluoromethane
 Concen: 0.241 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

Tgt Ion: 101 Resp: 60327
 Ion Ratio Lower Upper
 101 100
 103 61.2 52.9 79.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.083 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

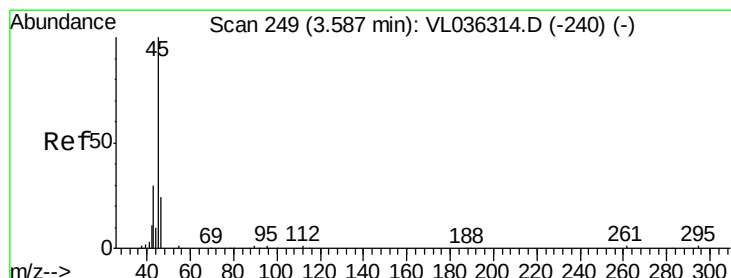
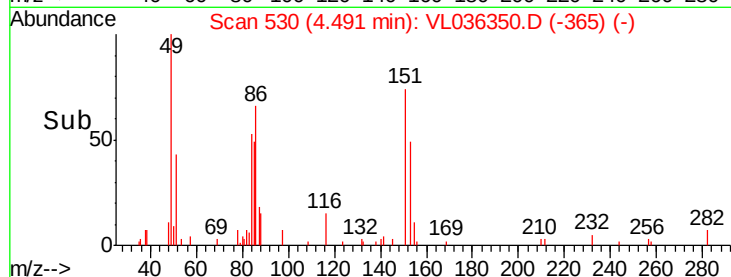
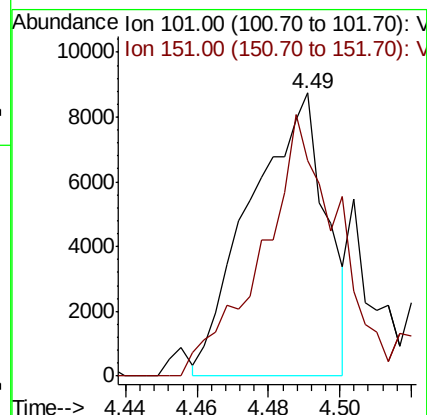
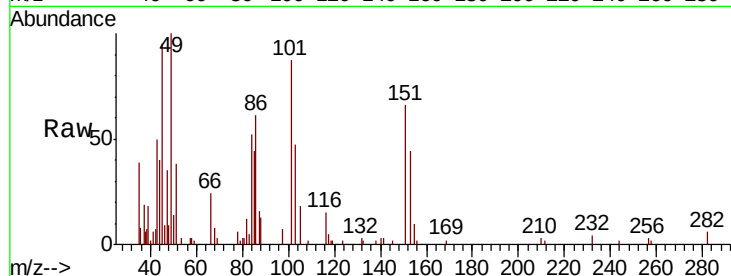
NS-8

Tot Ion:101 Resp: 12800

Ion Ratio Lower Upper

101 100

151 104.5 58.2 87.4#



#13

Ethanol

Concen: 267.046 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.04 min

Lab File: VL036350.D

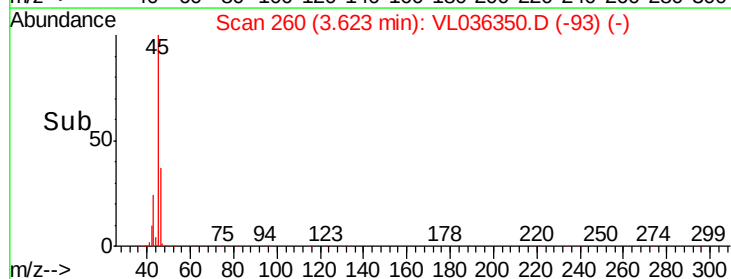
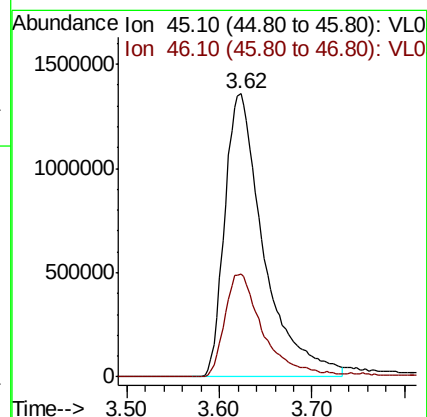
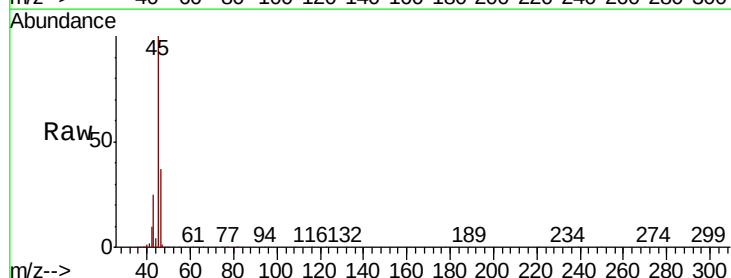
Acq: 24 Feb 2021 14:36

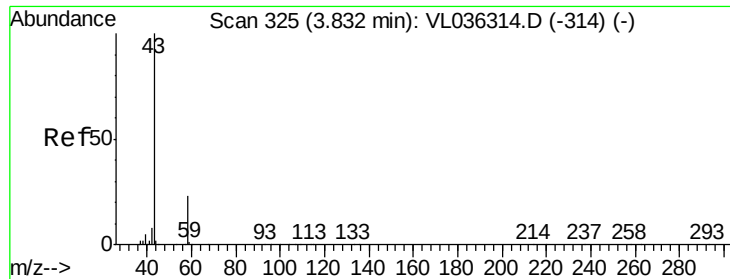
Tgt Ion: 45 Resp: 3981619

Ion Ratio Lower Upper

45 100

46 37.5 17.7 70.7

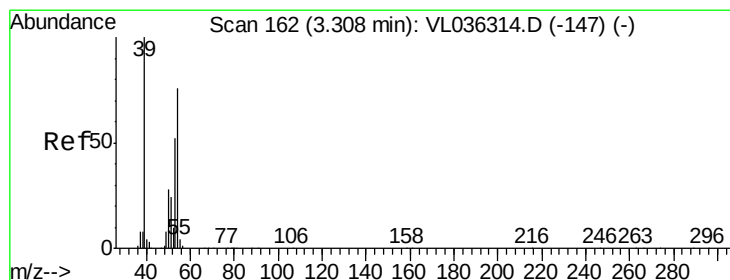
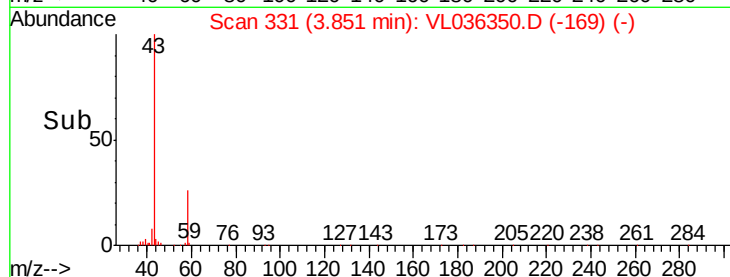
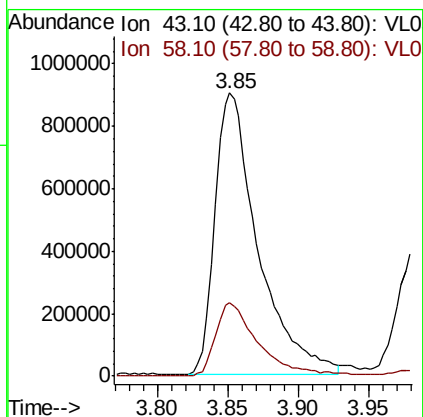
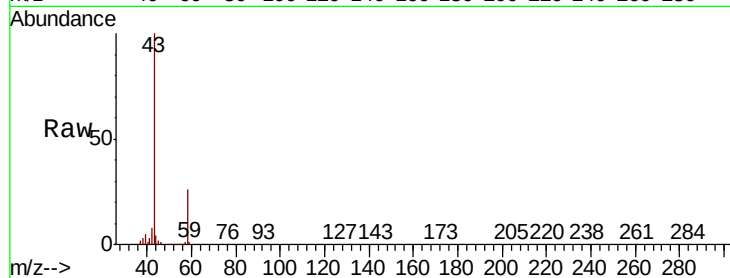




#15
Acetone
Concen: 9.105 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

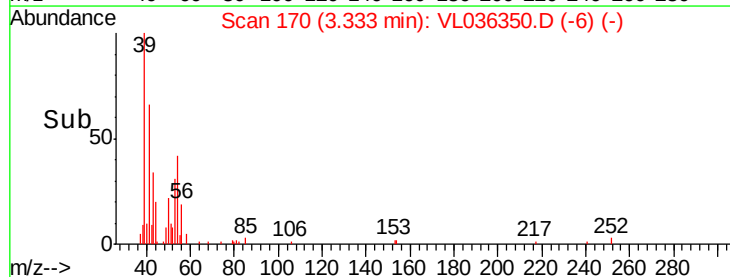
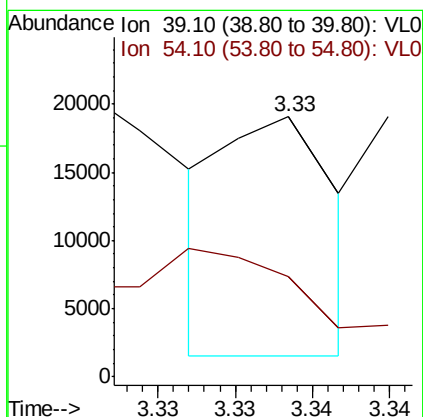
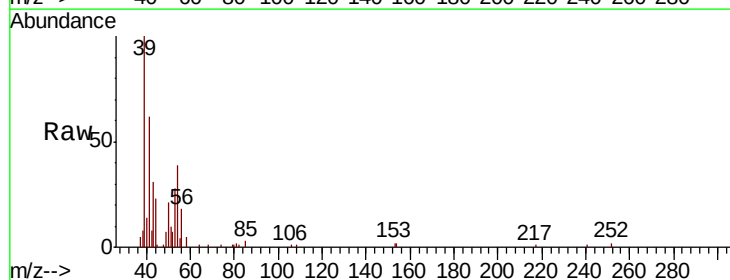
Instrument :
MSVOA_L
ClientSampled :
NS-8

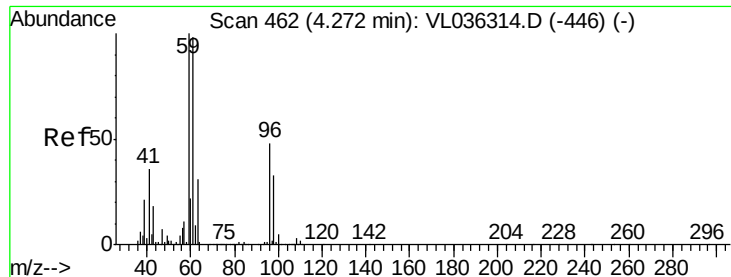
Tot Ion: 43 Resp: 1907034
Ion Ratio Lower Upper
43 100
58 26.4 20.3 30.5



#16
1,3-Butadiene
Concen: 0.088 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.03 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

Tgt Ion: 39 Resp: 8780
Ion Ratio Lower Upper
39 100
54 207.7 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.168 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.04 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

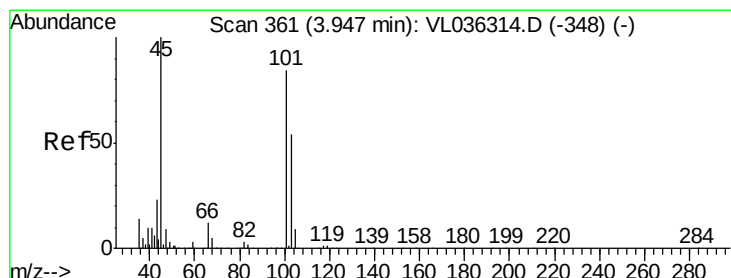
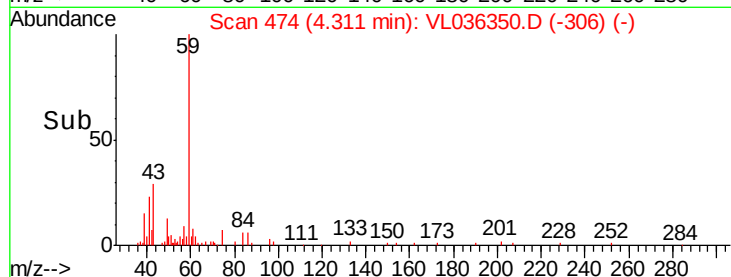
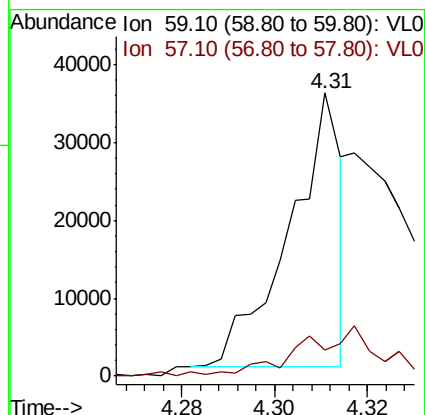
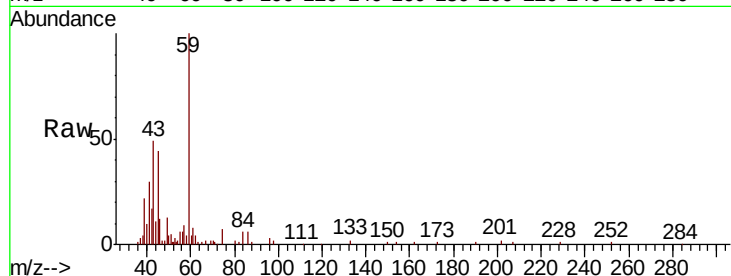
NS-8

Tot Ion: 59 Resp: 27305

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 37.630 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.04 min

Lab File: VL036350.D

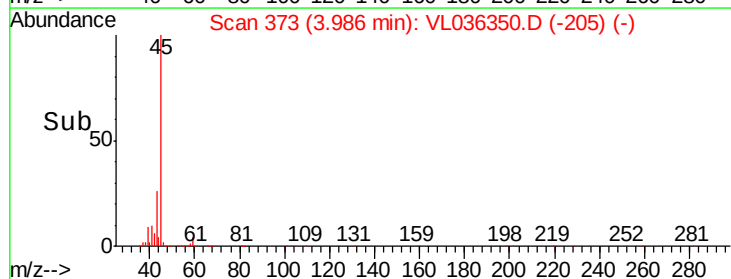
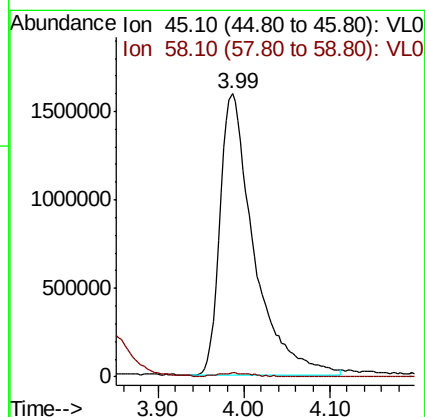
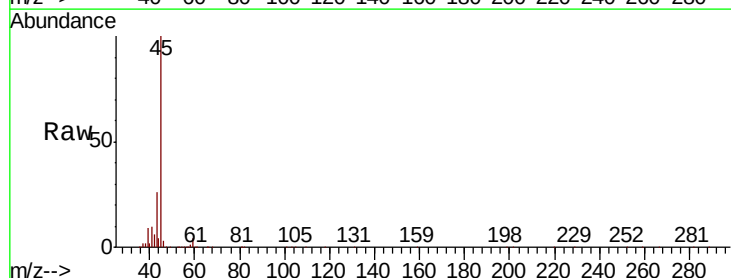
Acq: 24 Feb 2021 14:36

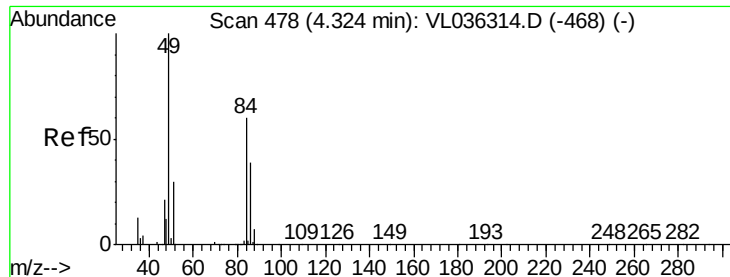
Tgt Ion: 45 Resp: 4366817

Ion Ratio Lower Upper

45 100

58 1.3 1.9 2.9#





#20

Methylene Chloride

Concen: 29.299 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

NS-8

Tot Ion: 84 Resp: 1979892

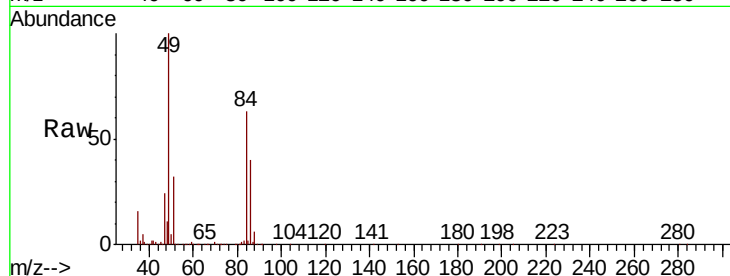
Ion Ratio Lower Upper

84 100

49 159.1 133.8 200.8

51 50.6 41.4 62.0

86 64.0 51.5 77.3

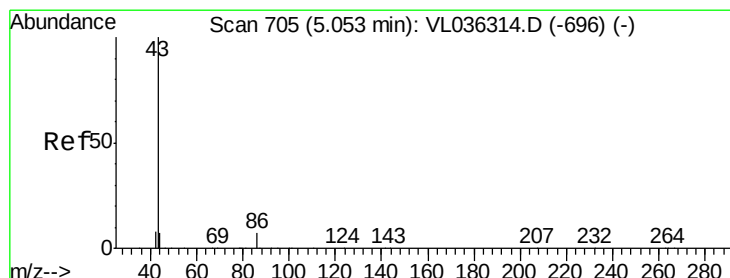
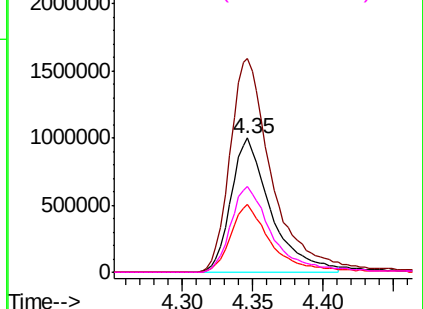
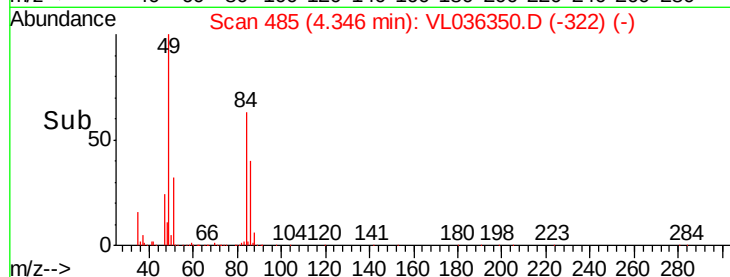


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23

Vinyl Acetate

Concen: 0.557 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Tgt Ion: 43 Resp: 137186

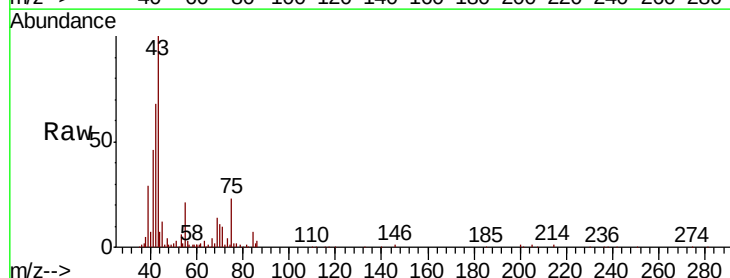
Ion Ratio Lower Upper

43 100

86 3.3 4.8 7.2#

42 66.3 7.4 11.0#

44 2.2 4.8 7.2#

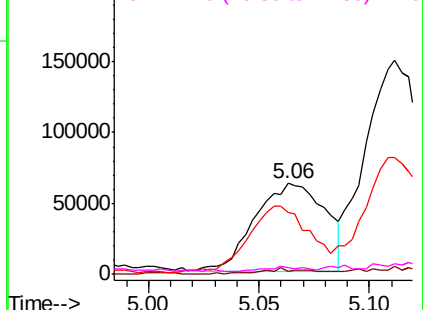
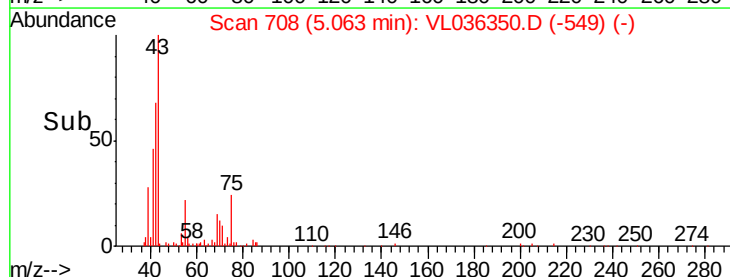


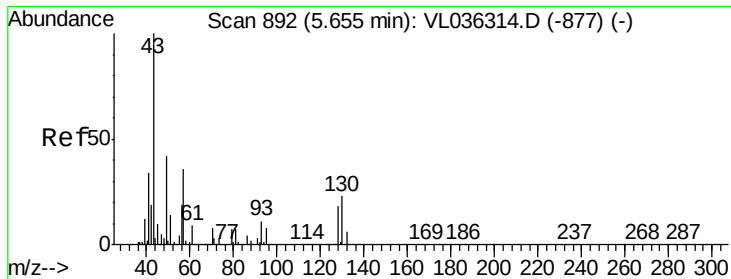
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

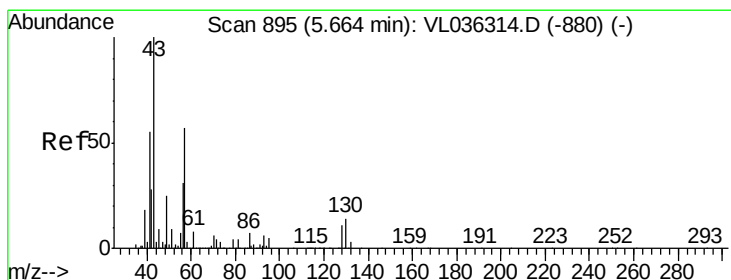
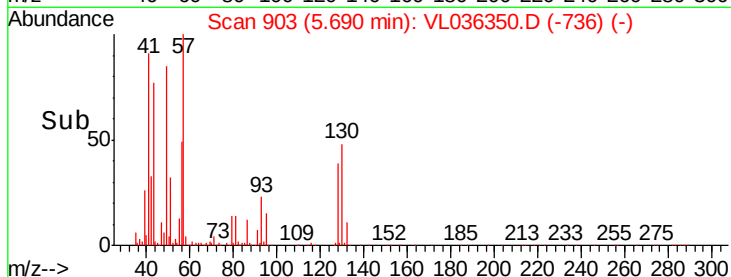
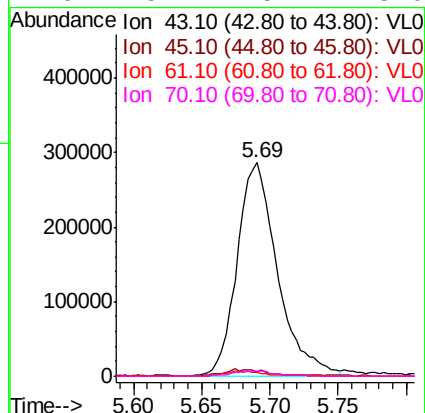
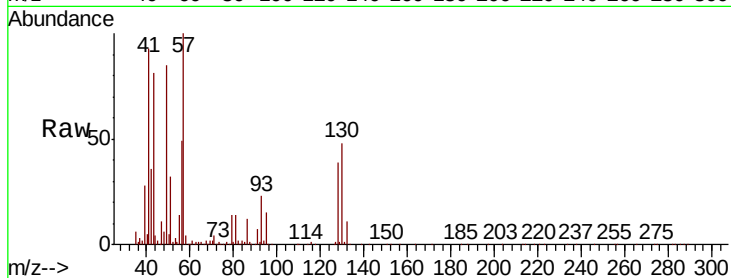




#25
Ethyl Acetate
Concen: 1.455 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.04 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

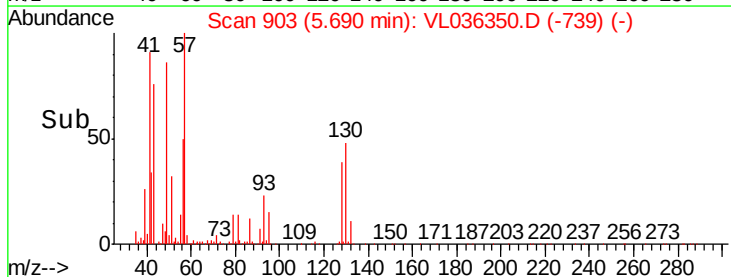
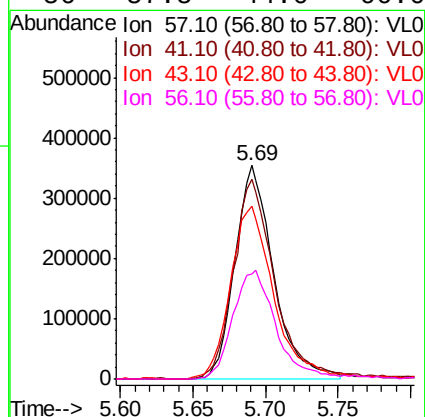
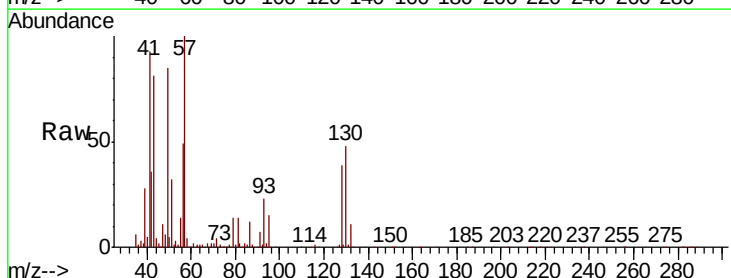
Instrument :
MSVOA_L
ClientSampleId :
NS-8

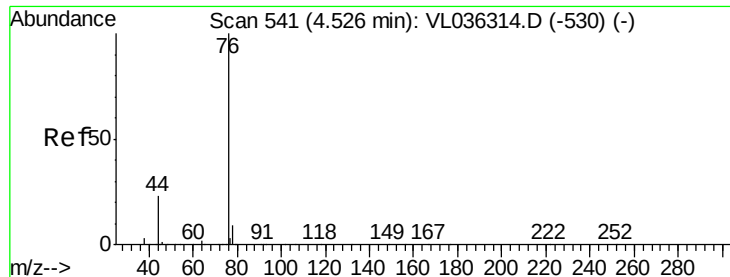
Tot Ion:	43	Resp:	588515
Ion	Ratio	Lower	Upper
43	100		
45	3.7	8.3	12.5#
61	2.7	7.3	10.9#
70	3.1	5.4	8.0#



#26
Hexane
Concen: 3.944 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

Tgt Ion:	57	Resp:	655185
Ion	Ratio	Lower	Upper
57	100		
41	100.7	81.7	122.5
43	91.7	199.1	298.7#
56	57.5	44.0	66.0





#27

Carbon Disulfide

Concen: 0.039 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

NS-8

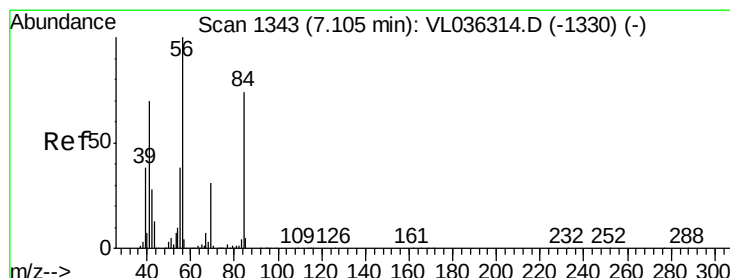
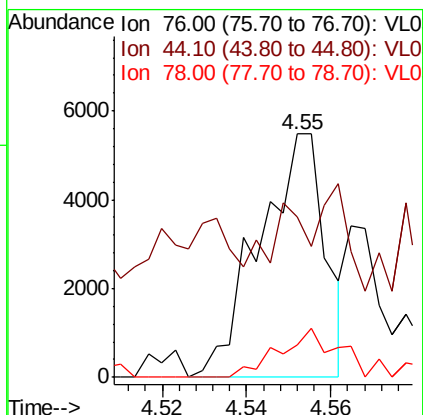
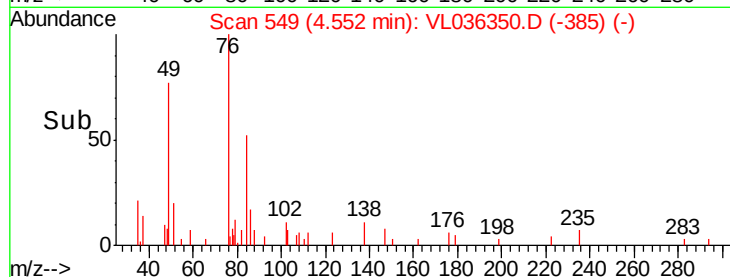
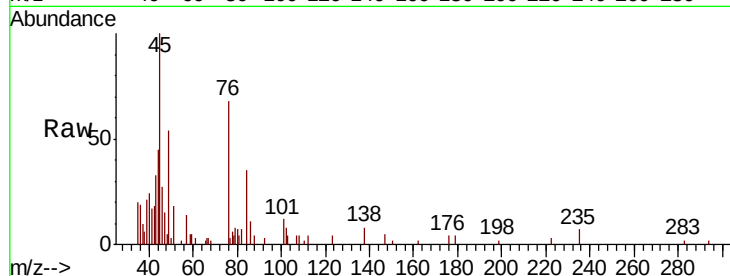
Tot Ion: 76 Resp: 5945

Ion Ratio Lower Upper

76 100

44 0.0 18.4 27.6#

78 20.8 8.0 12.0#



#30

Cyclohexane

Concen: 0.184 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

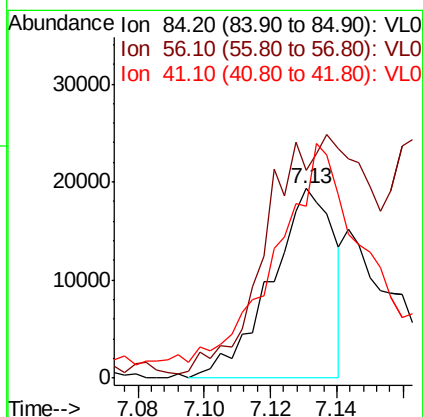
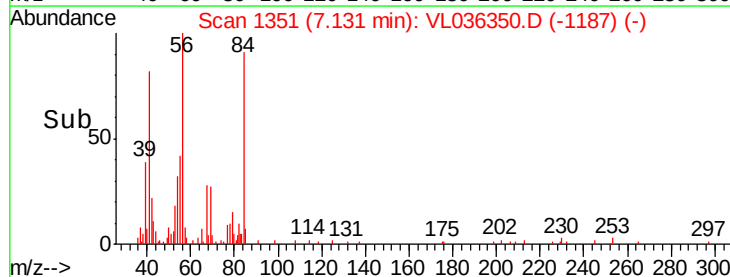
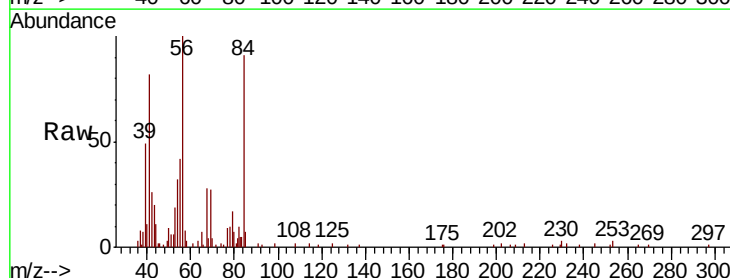
Tgt Ion: 84 Resp: 25446

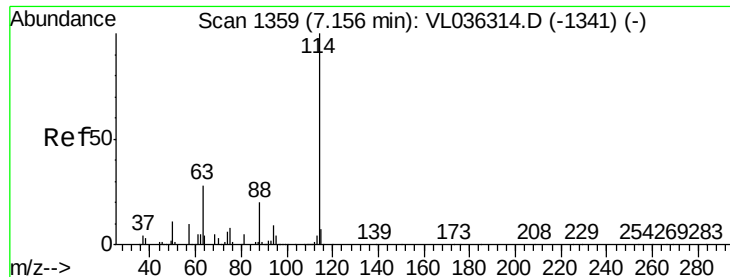
Ion Ratio Lower Upper

84 100

56 214.3 120.2 180.4#

41 184.2 79.7 119.5#

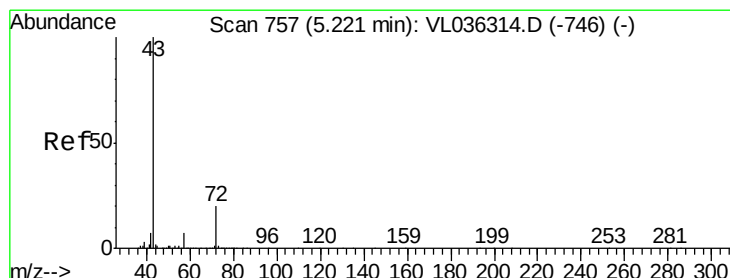
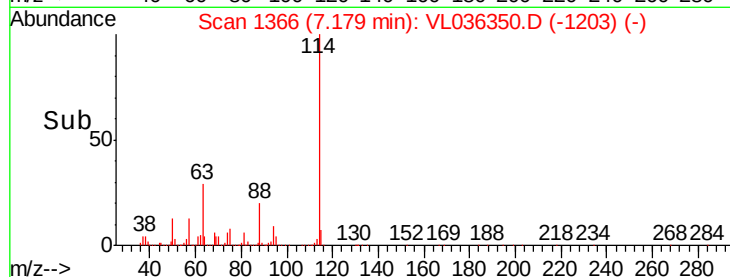
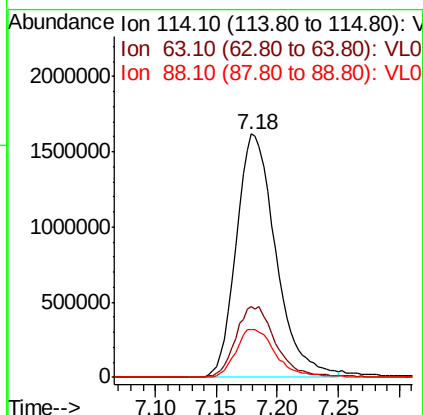
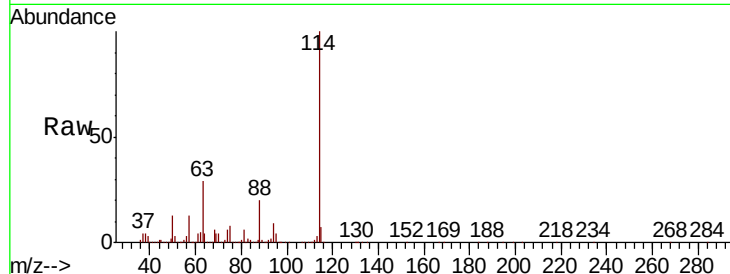




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

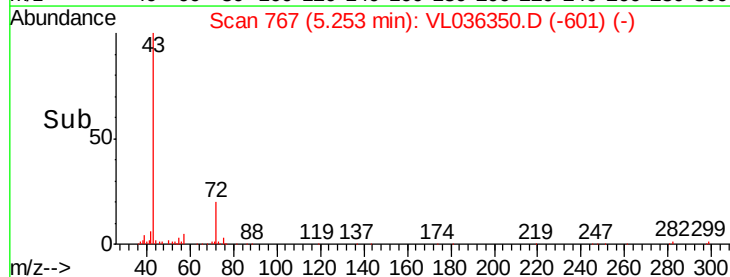
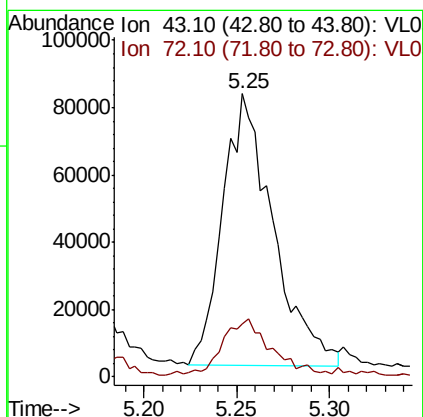
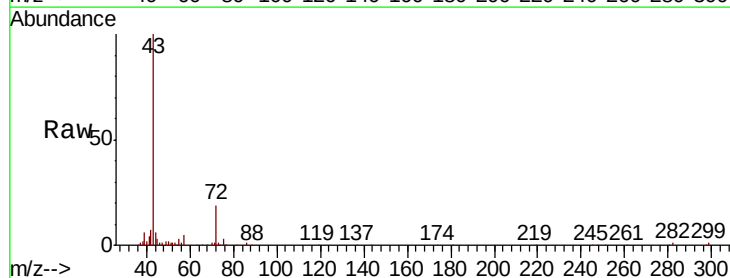
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8

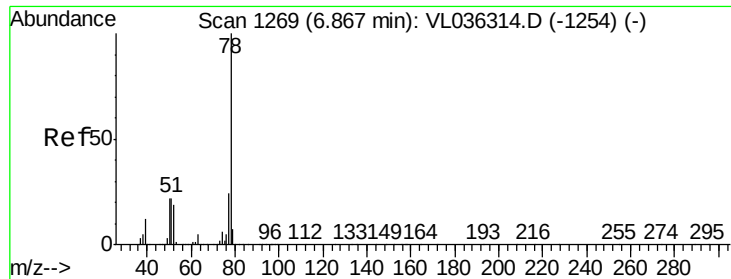
Tot Ion:114 Resp: 3632835
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 20.2 16.0 24.0



#34
 2-Butanone
 Concen: 0.630 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.03 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

Tgt Ion: 43 Resp: 152085
 Ion Ratio Lower Upper
 43 100
 72 24.2 16.7 25.1





#36

Benzene

Concen: 0.684 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

NS-8

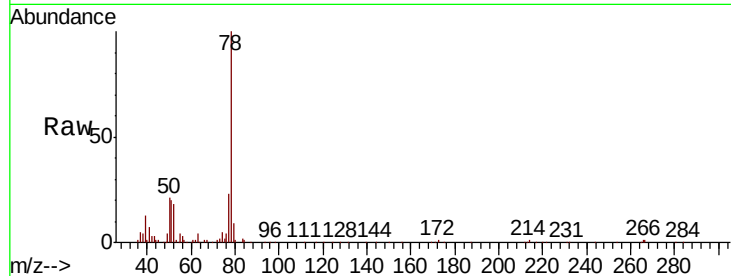
Tot Ion: 78 Resp: 211139

Ion Ratio Lower Upper

78 100

77 22.1 18.9 28.3

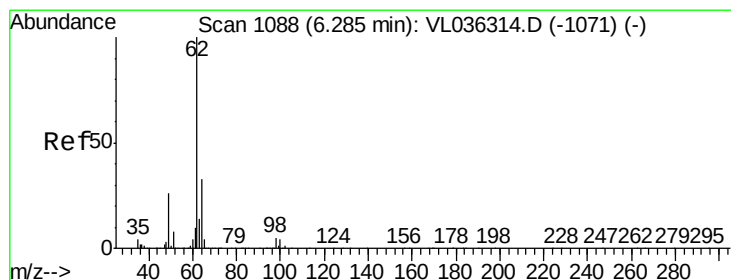
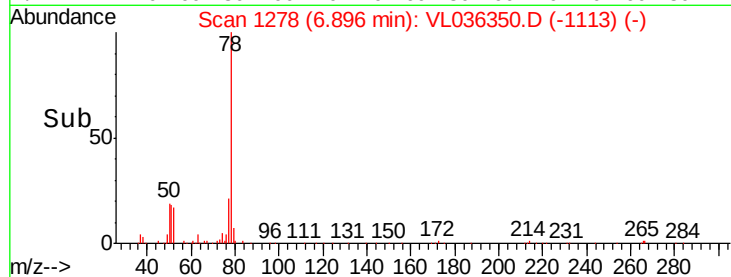
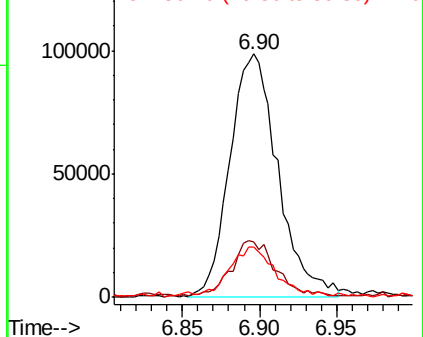
50 19.0 17.3 25.9



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: 0.050 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.03 min

Lab File: VL036350.D

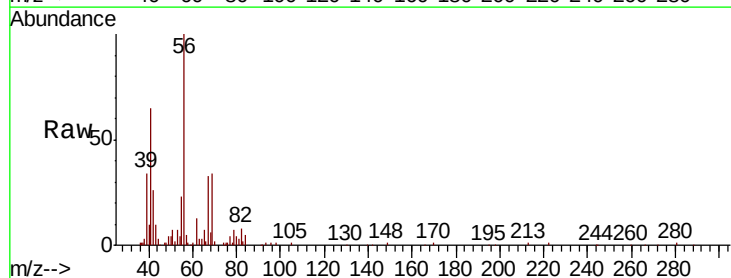
Acq: 24 Feb 2021 14:36

Tgt Ion: 62 Resp: 9524

Ion Ratio Lower Upper

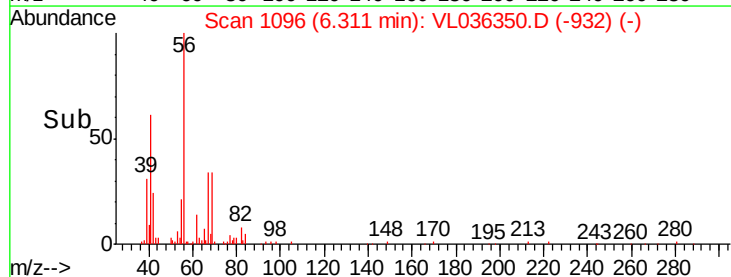
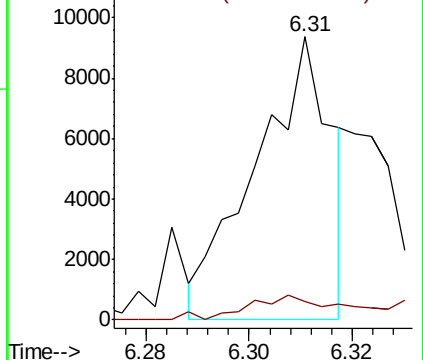
62 100

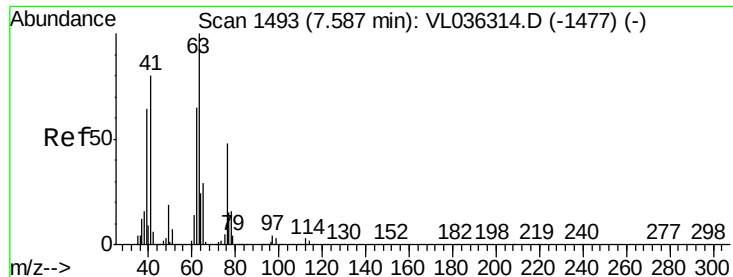
98 0.0 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

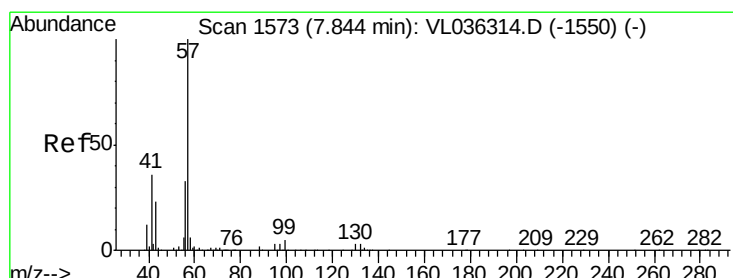
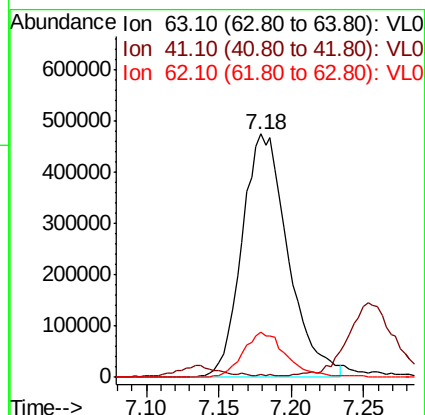
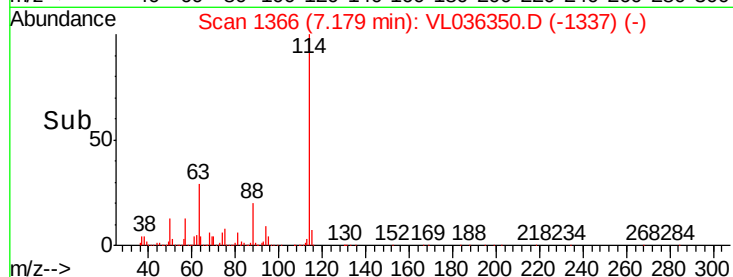
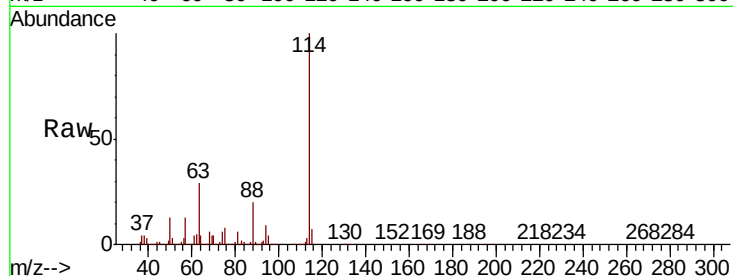




#39
 1,2-Dichloropropane
 Concen: 8.353 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.41 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

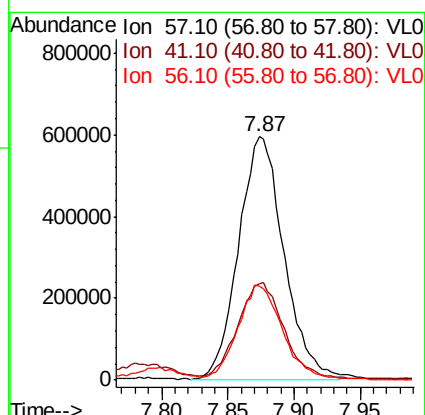
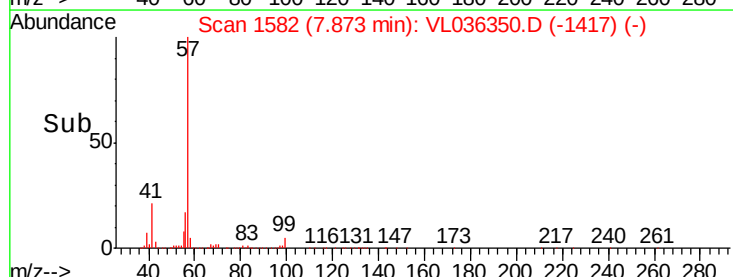
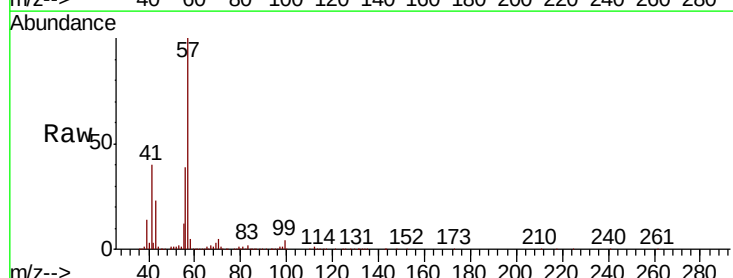
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8

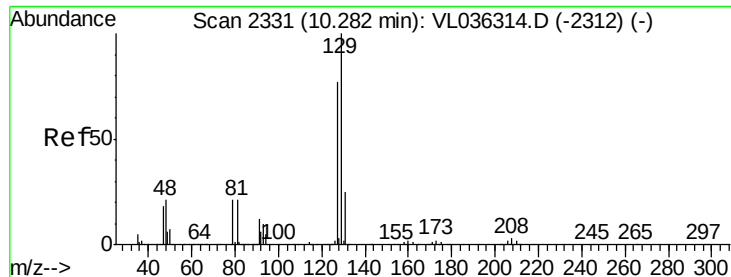
Tot Ion: 63 Resp: 1047125
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 18.4 52.3 78.5#



#44
 2,2,4-Trimethylpentane
 Concen: 2.504 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.03 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

Tgt Ion: 57 Resp: 1405071
 Ion Ratio Lower Upper
 57 100
 41 40.4 28.8 43.2
 56 38.7 25.8 38.6#





#48

Dibromochloromethane

Concen: 0.030 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

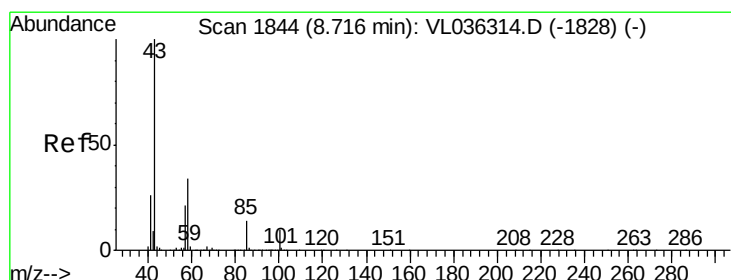
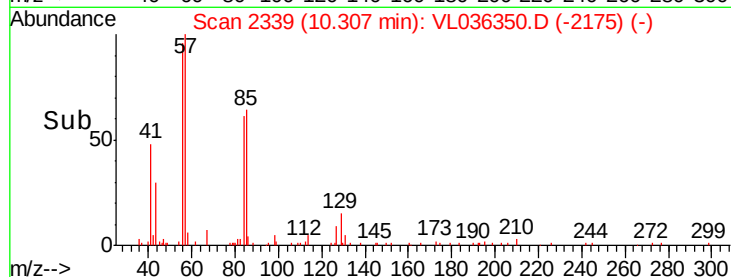
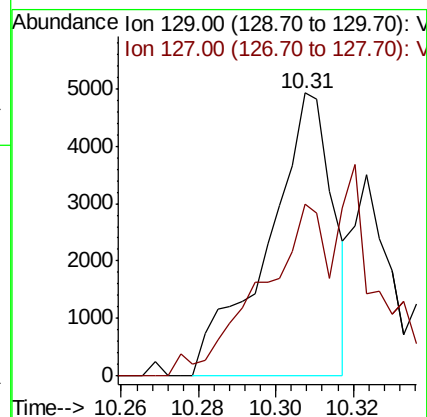
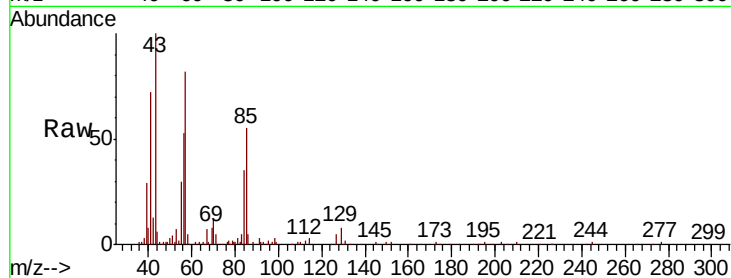
NS-8

Tot Ion:129 Resp: 5801

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



#50

4-Methyl-2-Pentanone

Concen: 0.050 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.03 min

Lab File: VL036350.D

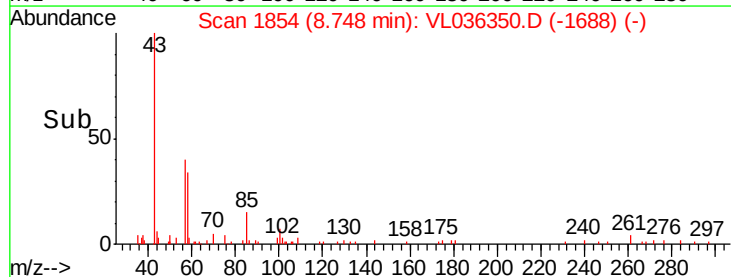
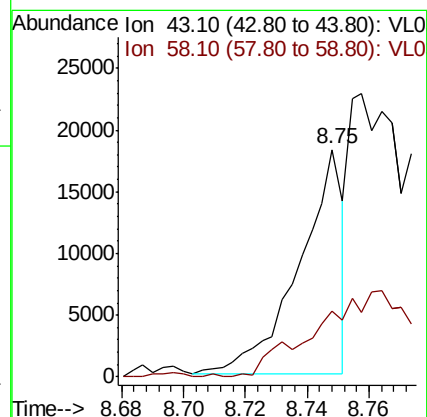
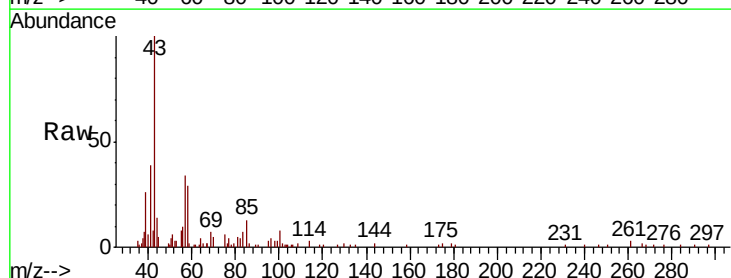
Acq: 24 Feb 2021 14:36

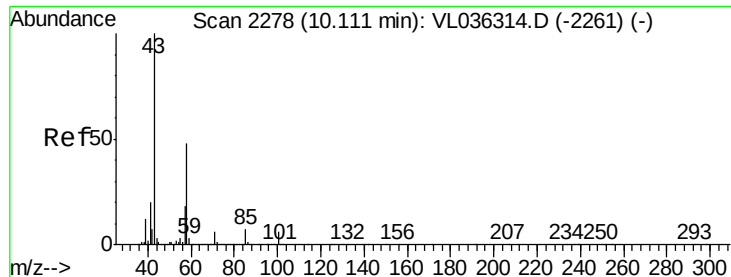
Tgt Ion: 43 Resp: 17930

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#

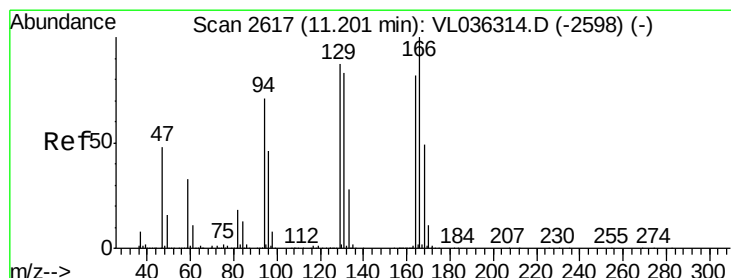
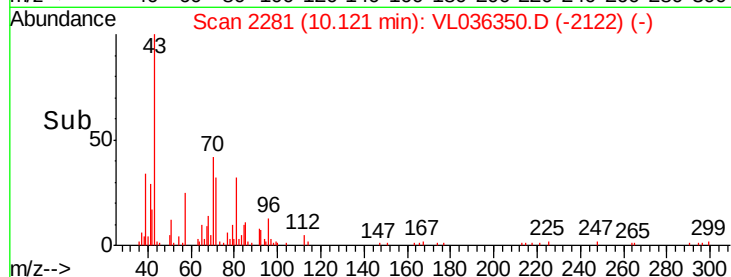
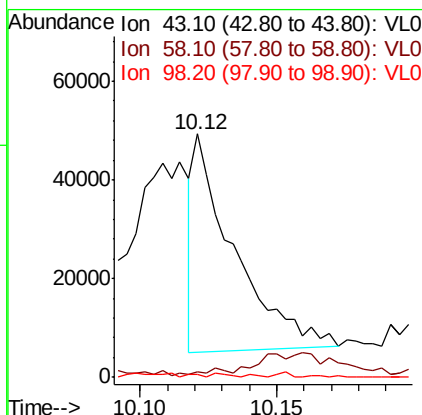
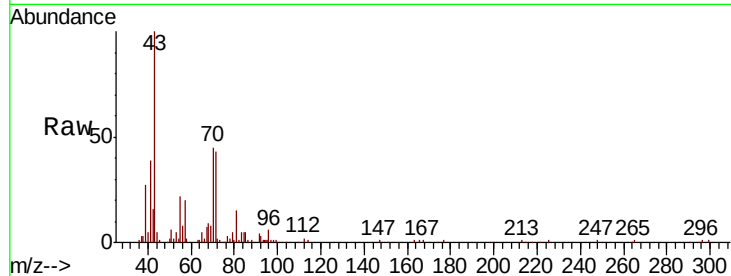




#51
2-Hexanone
Concen: 0.167 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

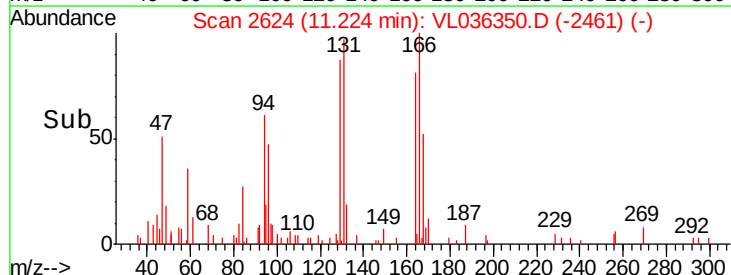
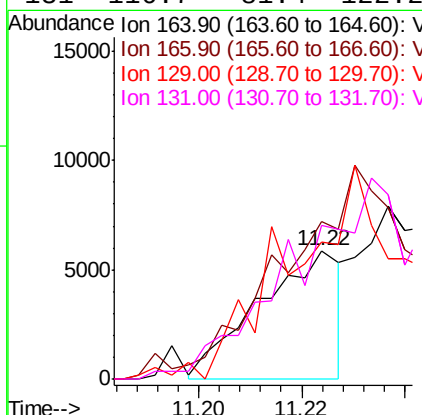
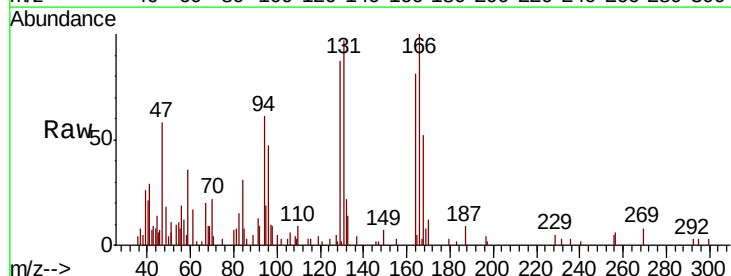
Instrument :
MSVOA_L
ClientSampleId :
NS-8

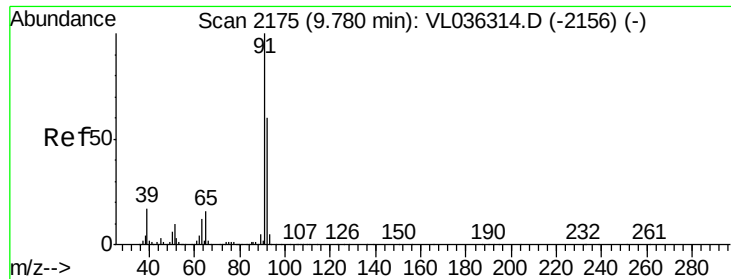
Tot Ion: 43 Resp: 45424
Ion Ratio Lower Upper
43 100
58 30.1 38.7 58.1#
98 2.5 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.057 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.02 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

Tgt Ion: 164 Resp: 6422
Ion Ratio Lower Upper
164 100
166 115.7 97.8 146.8
129 100.0 84.9 127.3
131 116.7 81.4 122.2





#53

Toluene

Concen: 8.132 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

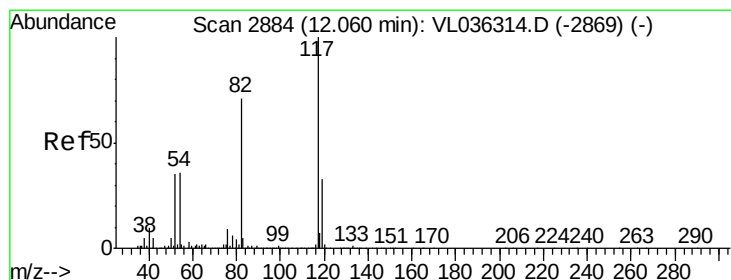
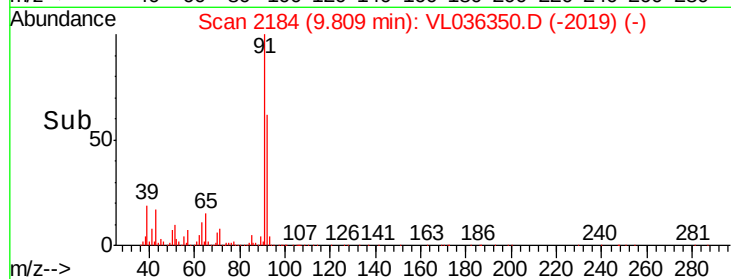
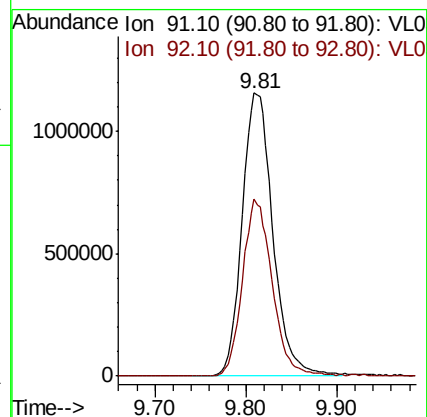
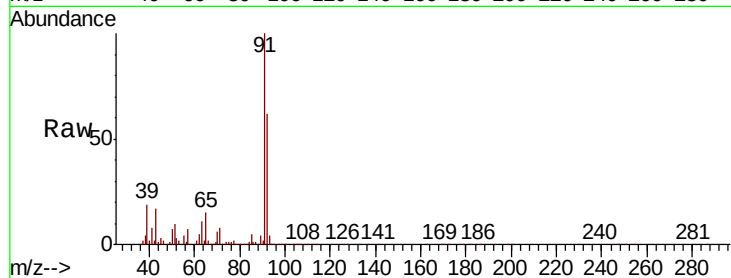
NS-8

Tot Ion: 91 Resp: 2718227

Ion Ratio Lower Upper

91 100

92 60.2 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

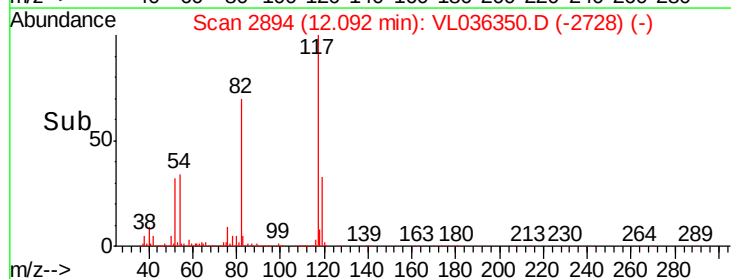
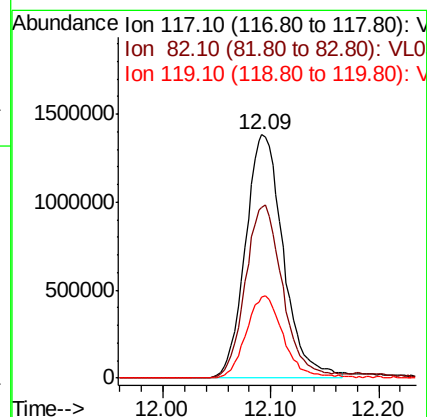
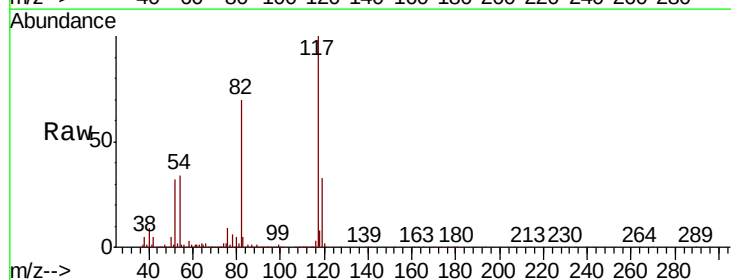
Tgt Ion: 117 Resp: 3378653

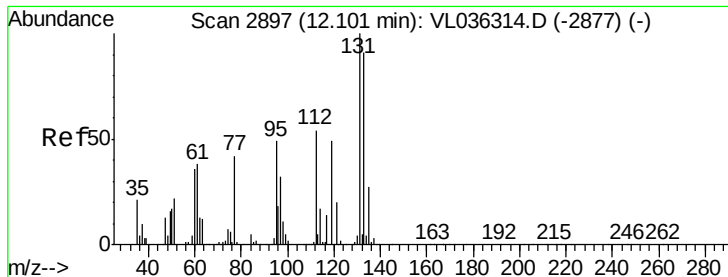
Ion Ratio Lower Upper

117 100

82 73.0 59.1 88.7

119 33.7 46.3 69.5#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.035 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.04 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

NS-8

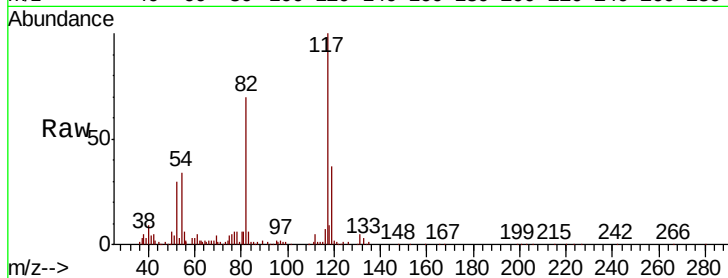
Tot Ion:131 Resp: 5464

Ion Ratio Lower Upper

131 100

133 0.0 76.0 114.0#

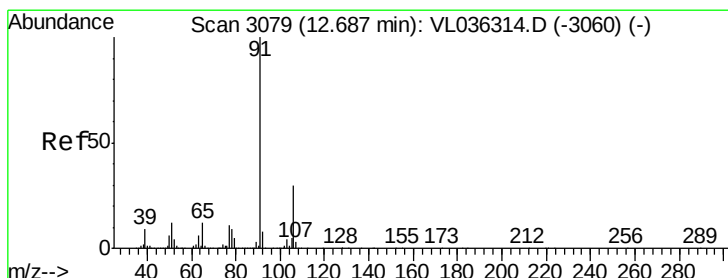
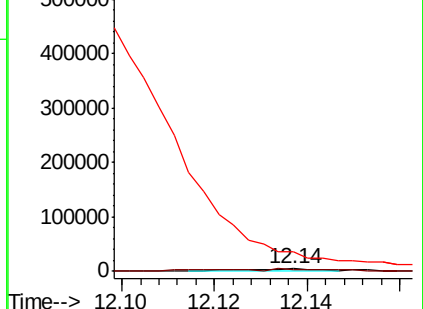
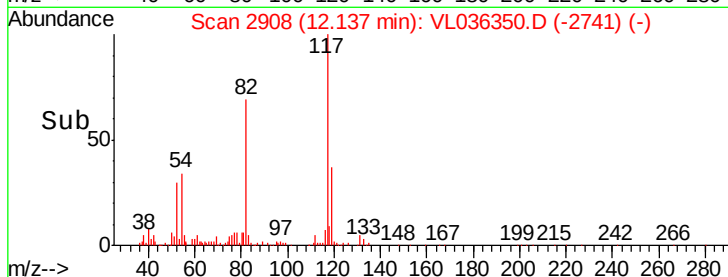
119 0.0 115.1 172.7#



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



#58

Ethyl Benzene

Concen: 1.446 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.03 min

Lab File: VL036350.D

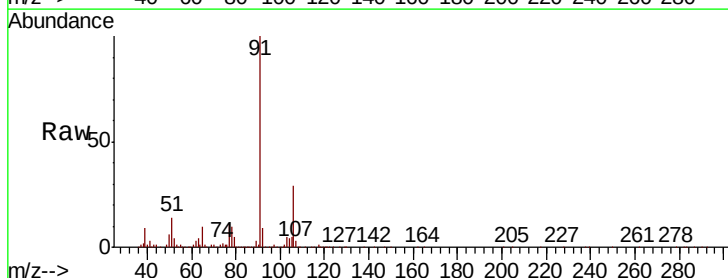
Acq: 24 Feb 2021 14:36

Tgt Ion: 91 Resp: 668826

Ion Ratio Lower Upper

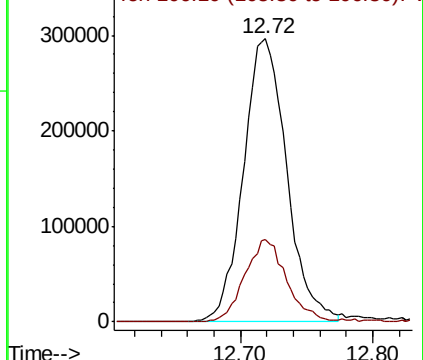
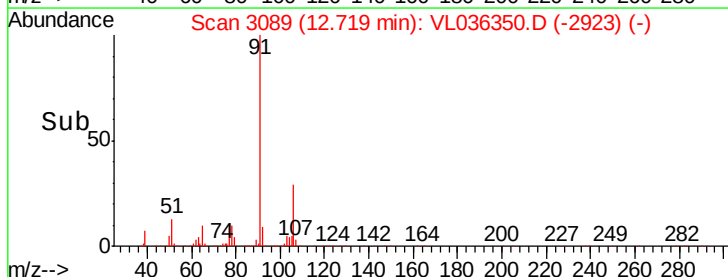
91 100

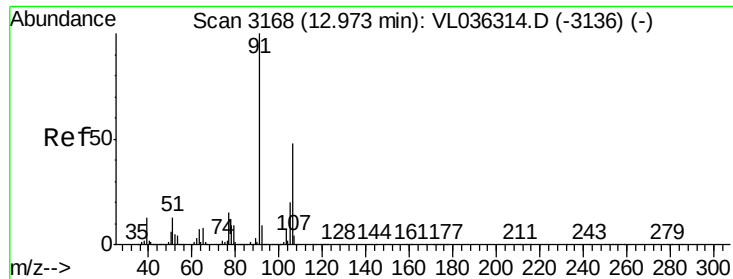
106 29.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

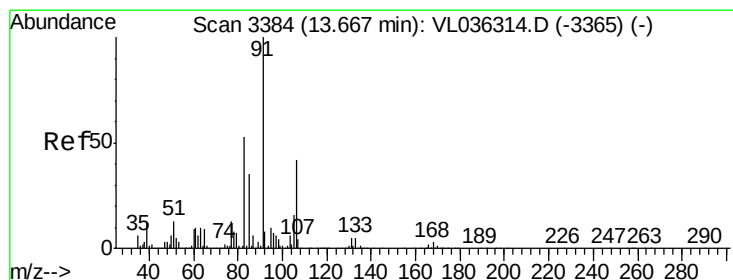
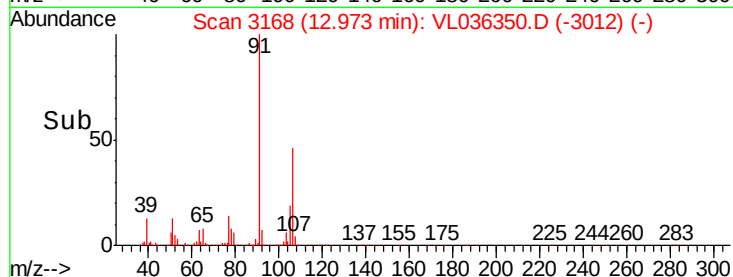
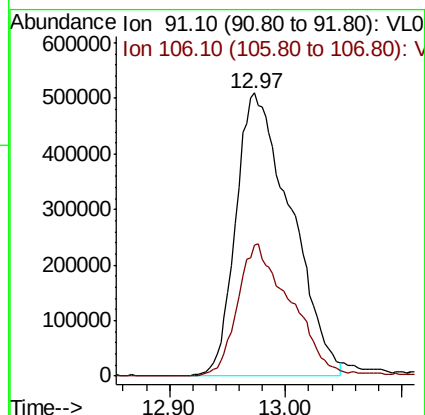
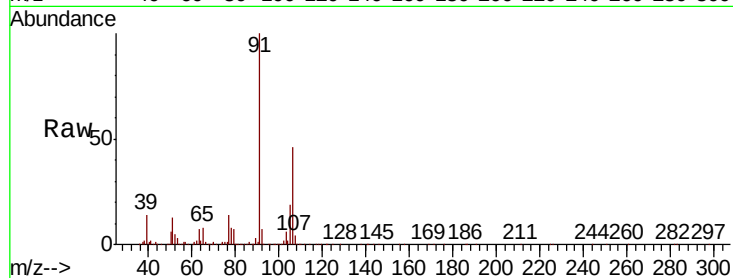




#59
m/p-Xylene
Concen: 4.103 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

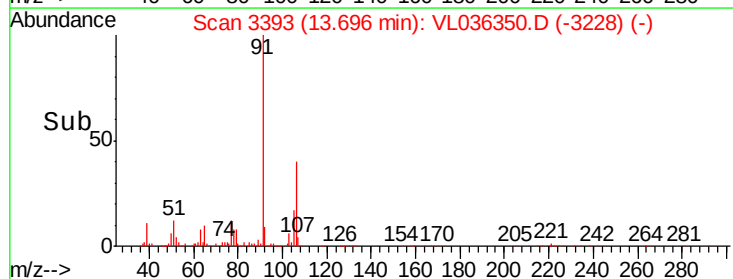
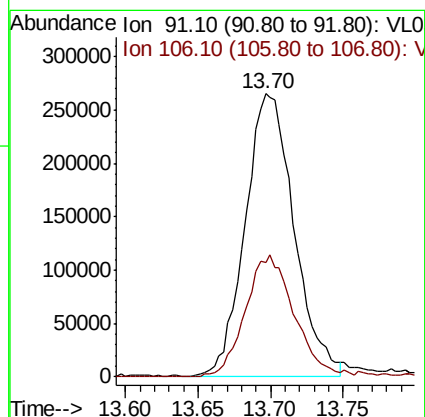
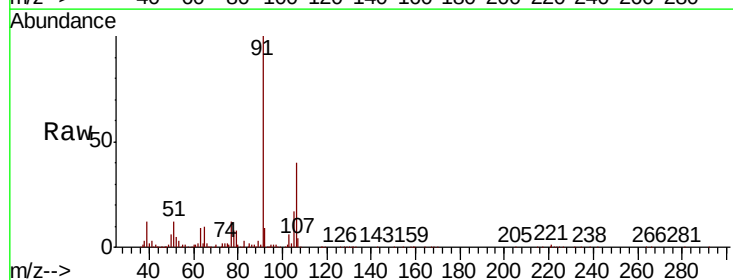
Instrument :
MSVOA_L
ClientSampleId :
NS-8

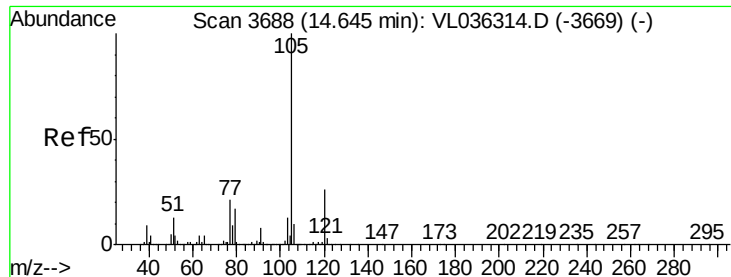
Tot Ion: 91 Resp: 1667398
Ion Ratio Lower Upper
91 100
106 46.6 34.2 51.2



#60
o-Xylene
Concen: 1.593 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.03 min
Lab File: VL036350.D
Acq: 24 Feb 2021 14:36

Tgt Ion: 91 Resp: 619130
Ion Ratio Lower Upper
91 100
106 44.7 22.0 66.0





#62

Isopropylbenzene

Concen: 0.110 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

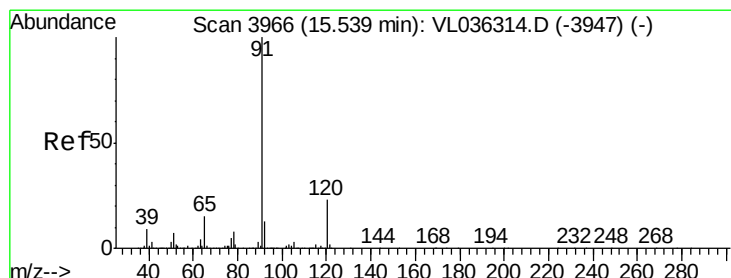
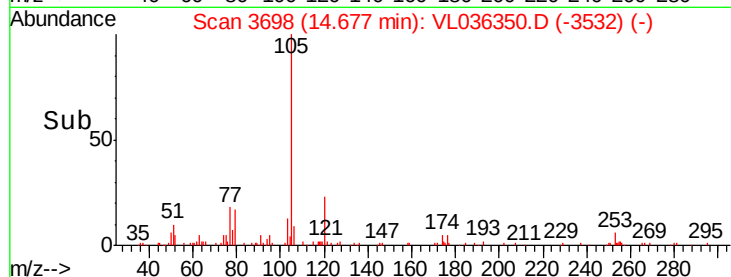
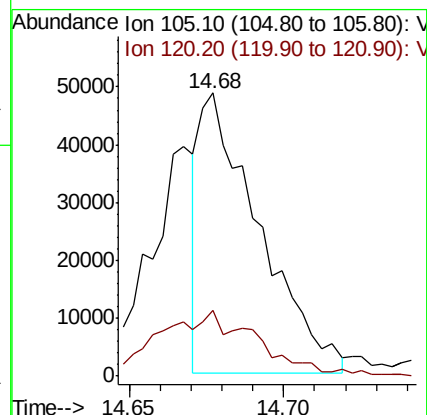
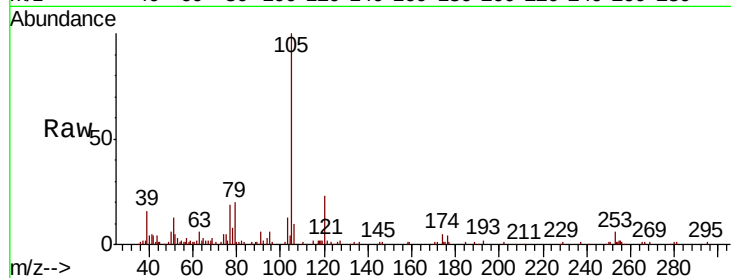
NS-8

Tot Ion:105 Resp: 64298

Ion Ratio Lower Upper

105 100

120 39.5 20.6 30.8#



#64

n-propylbenzene

Concen: 0.213 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.04 min

Lab File: VL036350.D

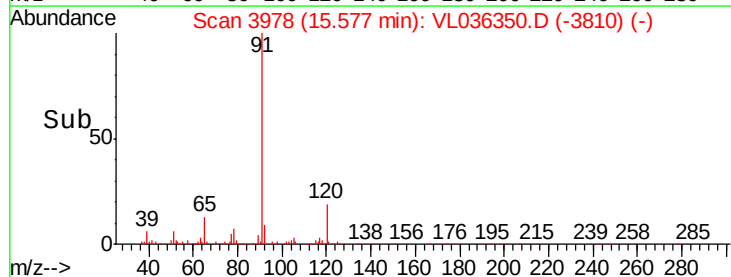
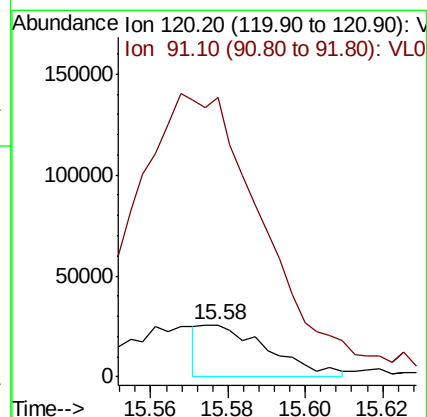
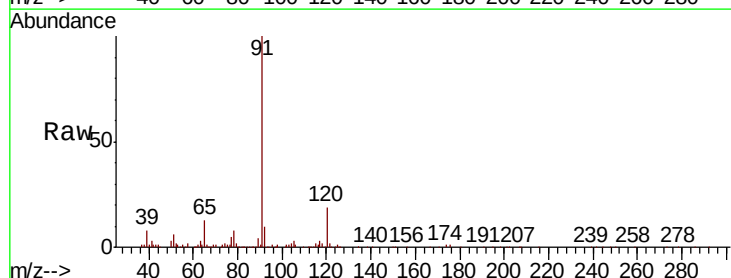
Acq: 24 Feb 2021 14:36

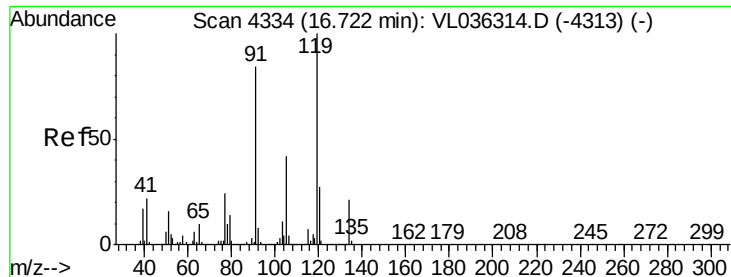
Tgt Ion:120 Resp: 30566

Ion Ratio Lower Upper

120 100

91 0.0 387.2 580.8#





#65

tert-Butylbenzene

Concen: 0.185 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.05 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

NS-8

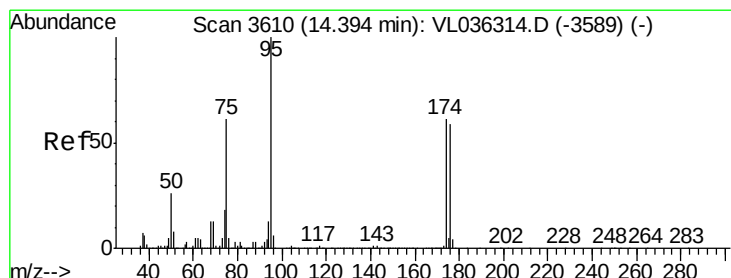
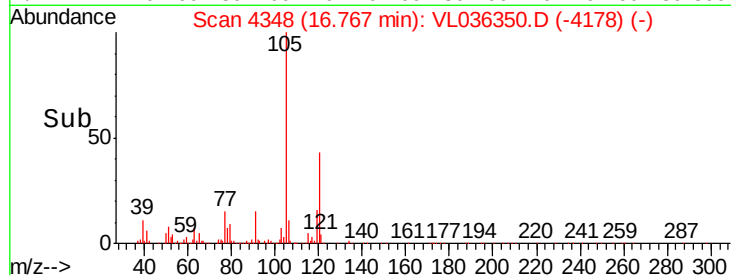
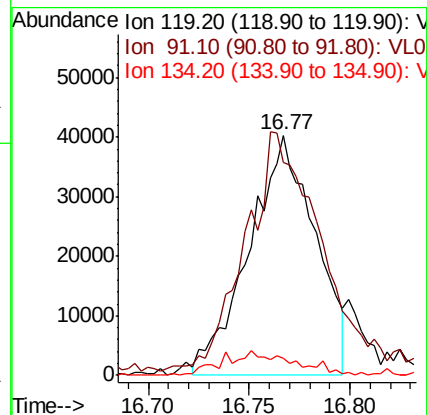
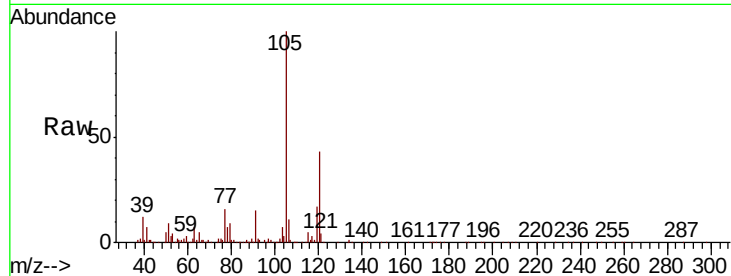
Tot Ion:119 Resp: 92009

Ion Ratio Lower Upper

119 100

91 118.8 70.5 105.7#

134 11.2 15.8 23.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.969 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

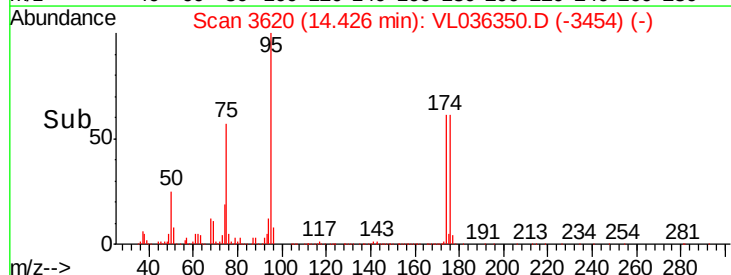
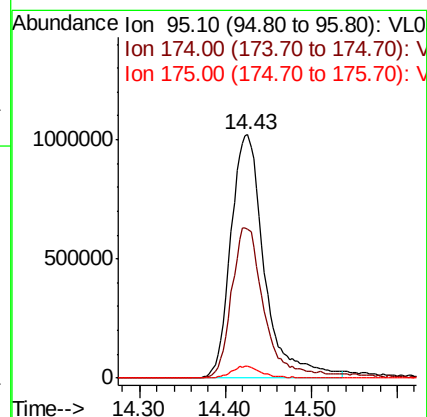
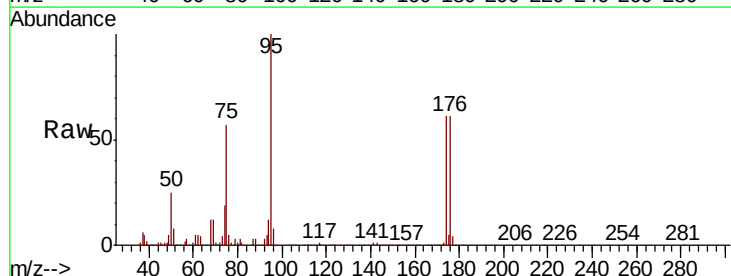
Tgt Ion: 95 Resp: 2771305

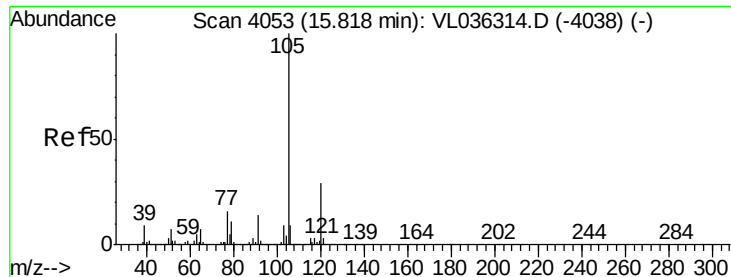
Ion Ratio Lower Upper

95 100

174 62.2 49.8 74.6

175 4.5 3.7 5.5





#72

4-Ethyltoluene

Concen: 0.536 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.03 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

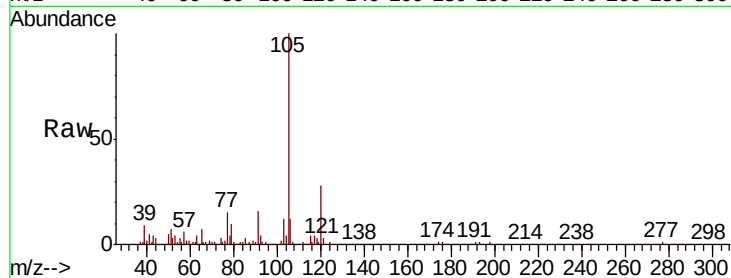
Instrument :

MSVOA_L

ClientSampleId :

NS-8

Tot Ion:	105	Resp:	231732
Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.2	34.8
91	16.9	11.0	16.4#
77	17.7	12.2	18.4

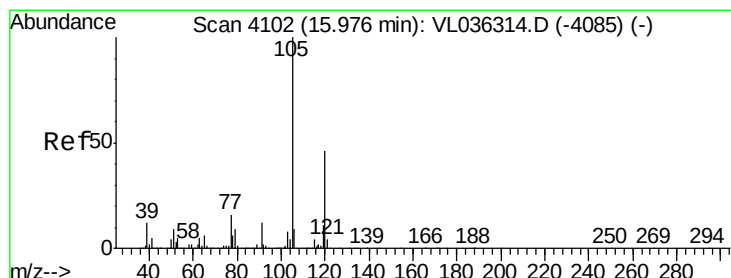
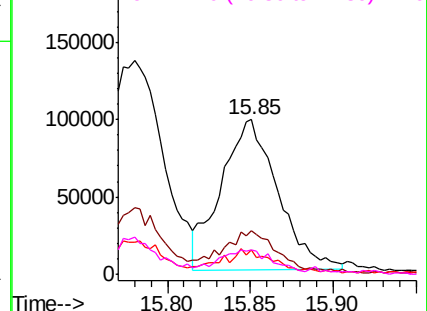
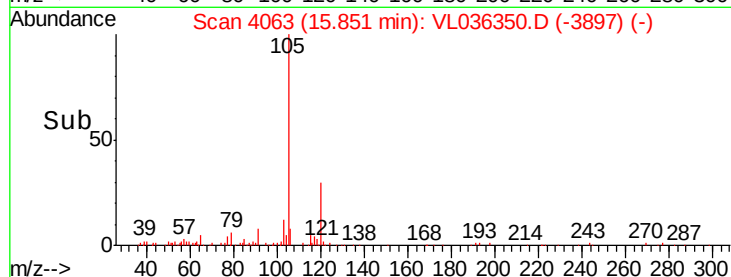


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.163 ppbv

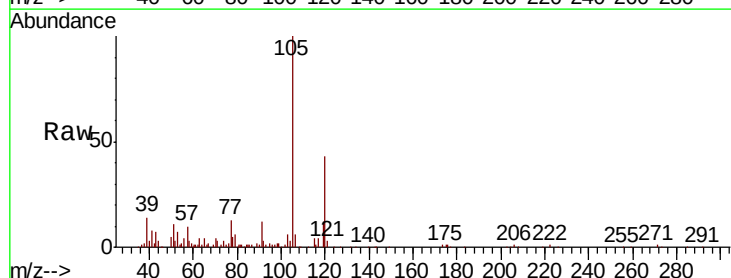
RT: 16.01 min Scan# 4114

Delta R.T. 0.04 min

Lab File: VL036350.D

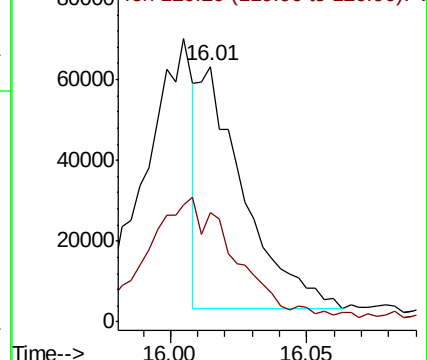
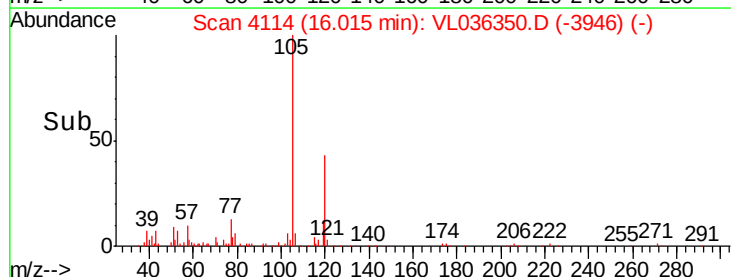
Acq: 24 Feb 2021 14:36

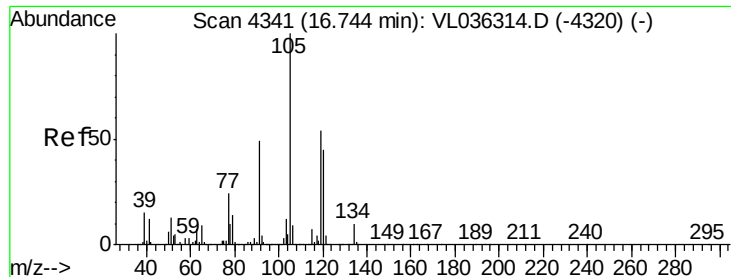
Tgt Ion:	105	Resp:	68497
Ion	Ratio	Lower	Upper
105	100		
120	40.9	36.9	55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

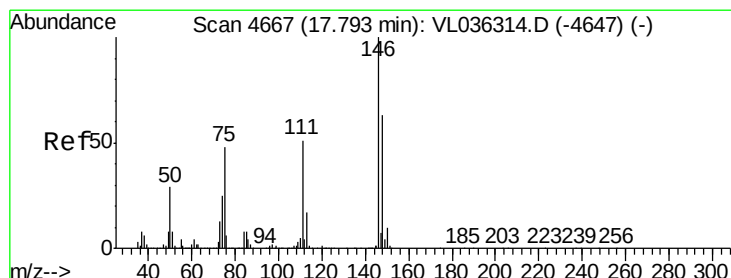
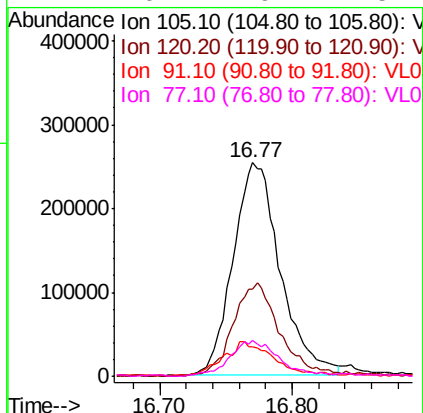
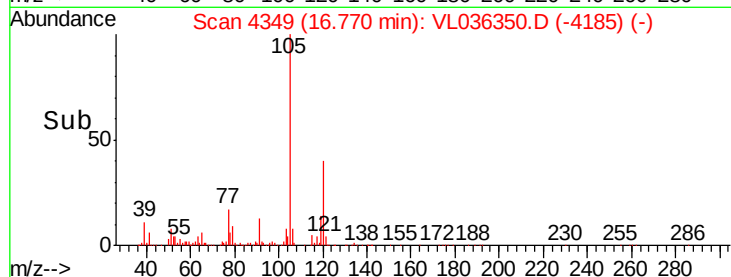
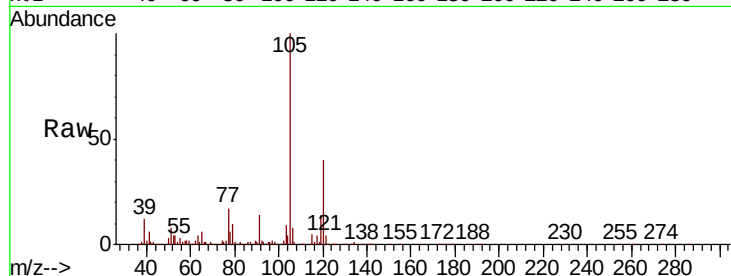




#74
 1,2,4-Trimethylbenzene
 Concen: 1.472 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.03 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

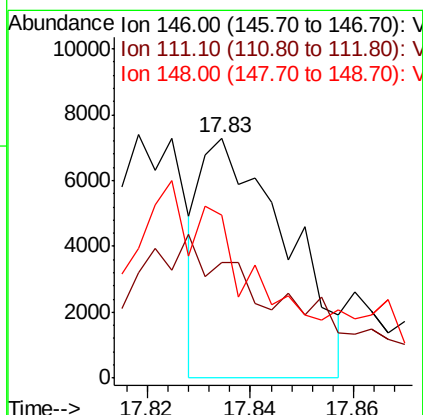
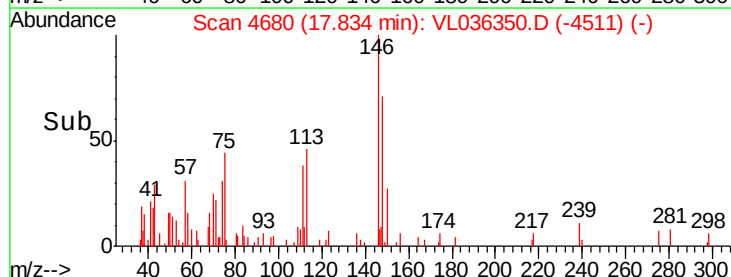
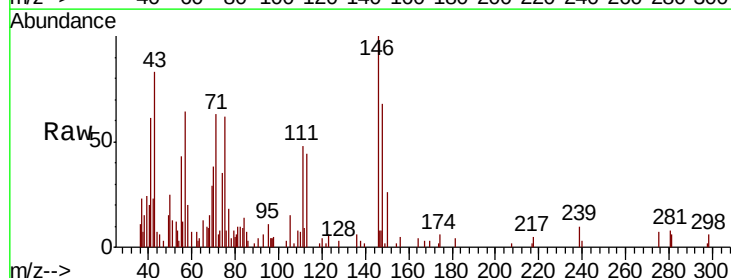
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8

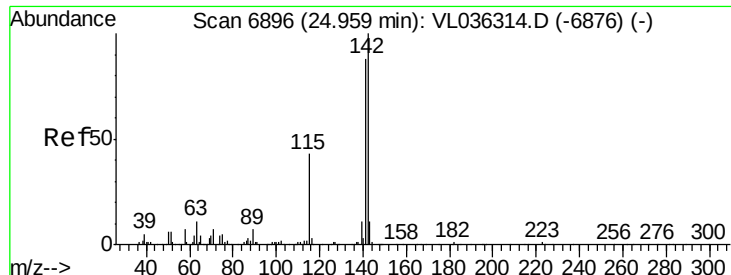
Tot Ion:	105	Resp:	629749
Ion	Ratio	Lower	Upper
105	100		
120	40.1	35.8	53.6
91	13.2	39.8	59.6#
77	16.1	19.1	28.7#



#77
 1,2-Dichlorobenzene
 Concen: 0.036 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.04 min
 Lab File: VL036350.D
 Acq: 24 Feb 2021 14:36

Tgt Ion:	146	Resp:	8402
Ion	Ratio	Lower	Upper
146	100		
111	152.2	25.9	77.8#
148	183.7	32.5	97.4#





#80

Naphthalene, 2-methyl-

Concen: 0.083 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.05 min

Lab File: VL036350.D

Acq: 24 Feb 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

NS-8

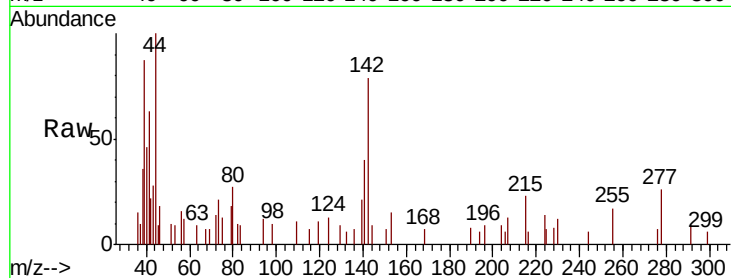
Tot Ion:142 Resp: 3914

Ion Ratio Lower Upper

142 100

141 66.1 64.4 96.6

115 38.6 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

