

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\
 Data File : VL036278.D
 Acq On : 28 Jan 2021 19:17
 Operator : SY/AP
 Sample : M1245-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4DL

Manual Integrations
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 2/1/2021 1:52:19 PM

Quant Time: Jan 29 03:04:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1607398	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3430907	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3175077	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2631883	10.01	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	21226	0.108	ppbv	94
9) Propene	3.01	41	24591	0.262	ppbv	87
10) Heptane	8.11	43	54629	0.234	ppbv	88
13) Ethanol	3.60	45	196099	13.285	ppbv	91
15) Acetone	3.84	43	354105	1.799	ppbv	97
17) tert-Butyl alcohol	4.29	59	37300m	0.230	ppbv	
19) Isopropyl Alcohol	3.96	45	364837m	3.074	ppbv	
20) Methylene Chloride	4.34	84	80604	1.283	ppbv	90
26) Hexane	5.68	57	175552	1.067	ppbv #	38
30) Cyclohexane	7.12	84	15285m	0.122	ppbv	
36) Benzene	6.88	78	63613m	0.202	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	80049m	0.139	ppbv	
53) Toluene	9.79	91	733362	2.085	ppbv	100
58) Ethyl Benzene	12.70	91	117937	0.250	ppbv	91
59) m/p-Xylene	12.96	91	404064m	0.998	ppbv	
60) o-Xylene	13.68	91	127058	0.326	ppbv	96
74) 1,2,4-Trimethylbenzene	16.75	105	60585m	0.141	ppbv	

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

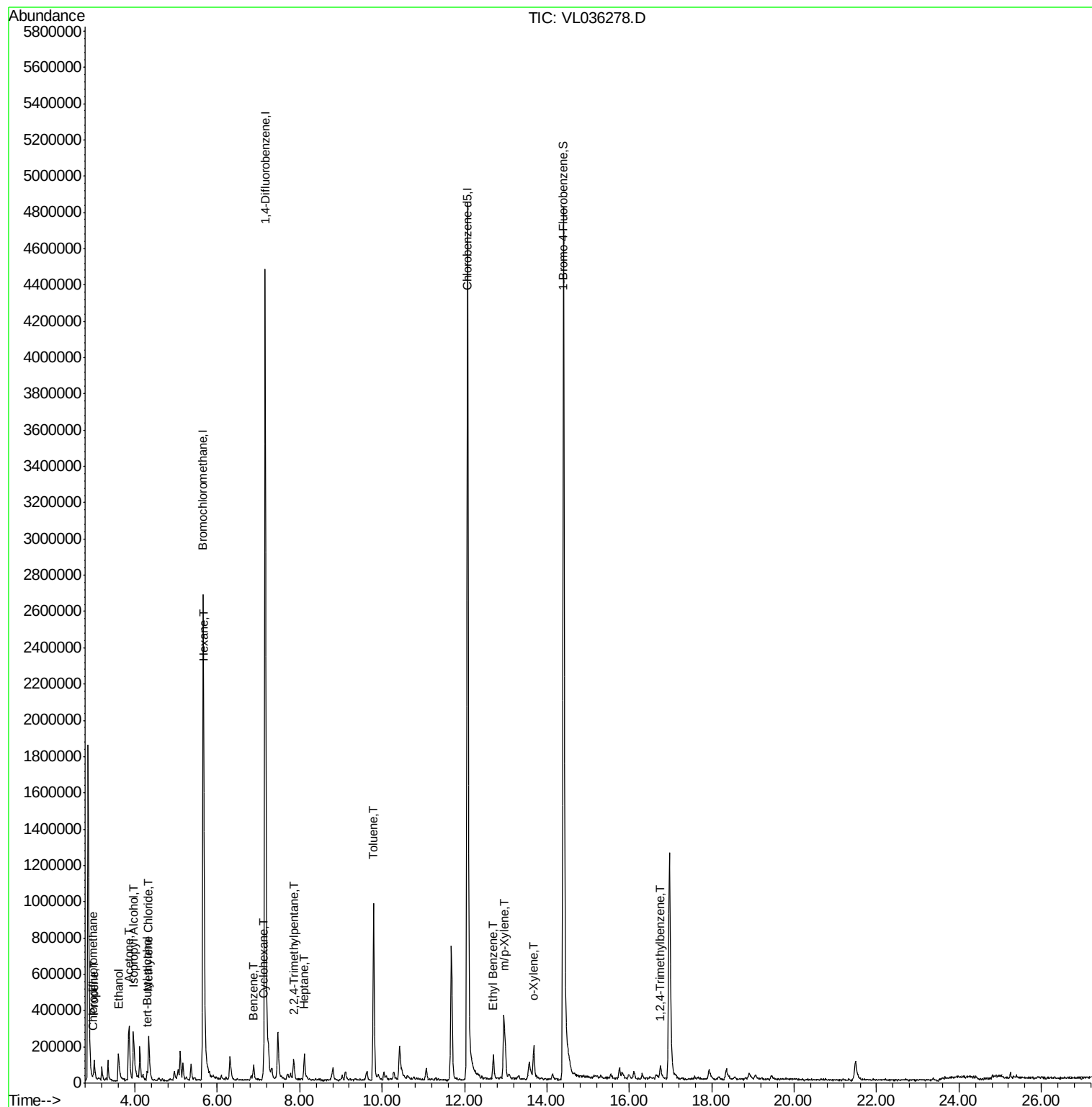
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012821\
Data File : VL036278.D
Acq On : 28 Jan 2021 19:17
Operator : SY/AP
Sample : M1245-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

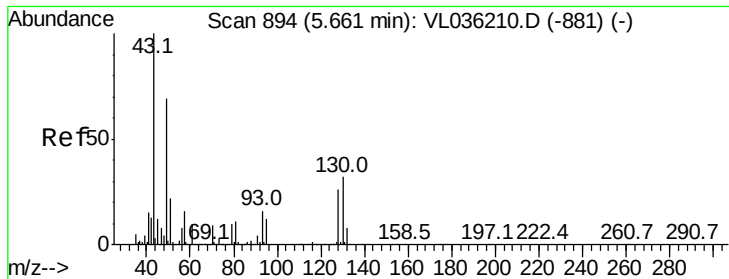
Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Manual Integrations
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Quant Time: Jan 29 03:04:47 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





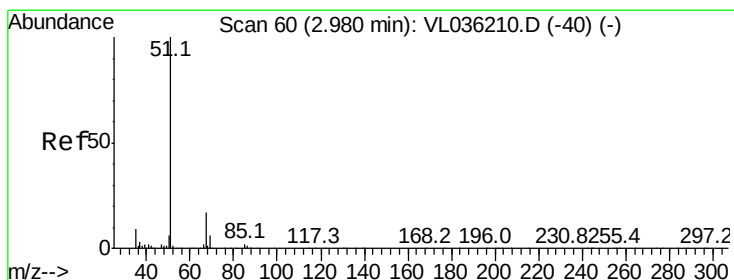
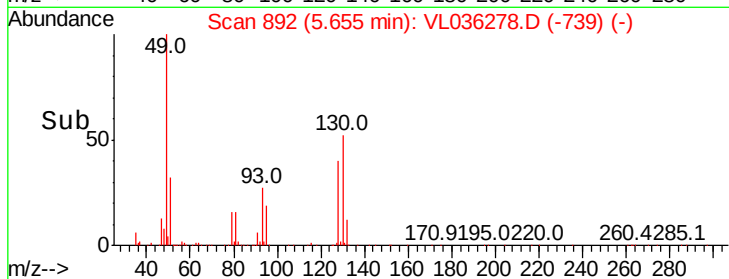
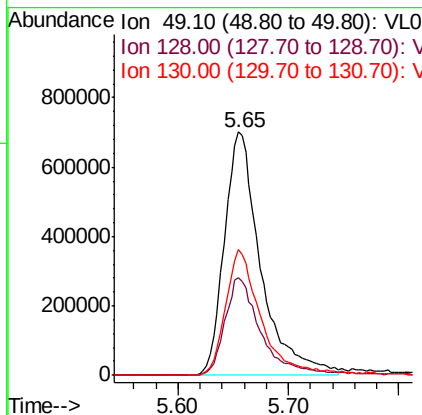
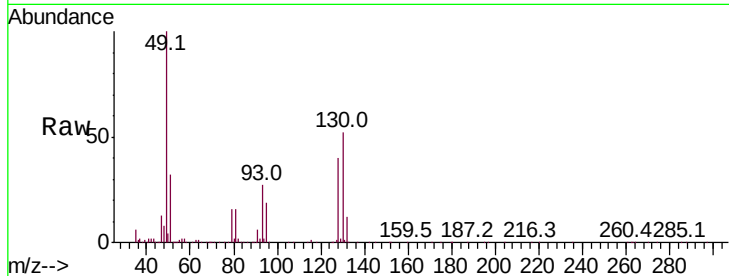
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Tot Ion: 49 Resp: 1607398
Ion Ratio Lower Upper
49 100
128 40.9 20.1 60.2
130 51.4 25.3 75.9

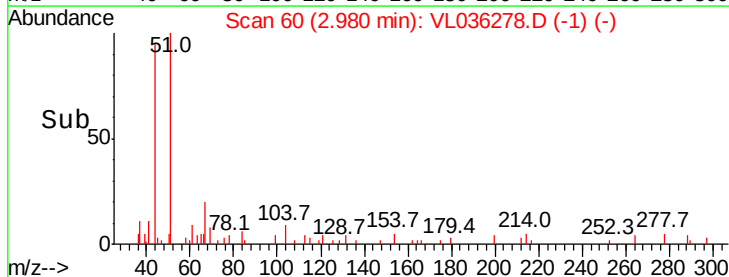
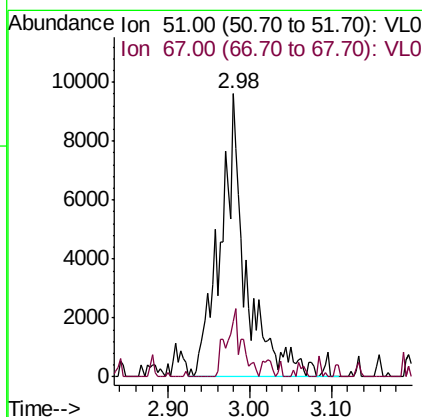
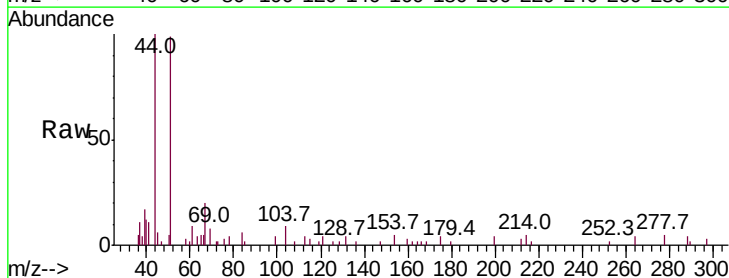
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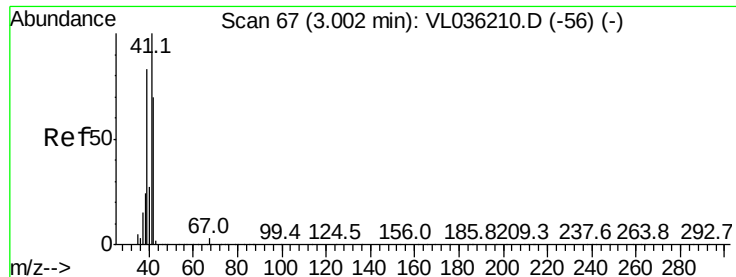
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#3
Chlorodifluoromethane
Concen: 0.108 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Tgt Ion: 51 Resp: 21226
Ion Ratio Lower Upper
51 100
67 14.8 14.0 21.0





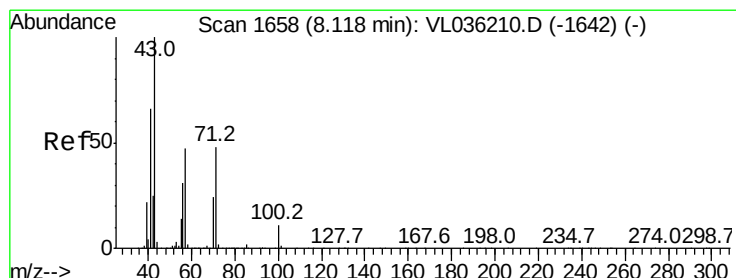
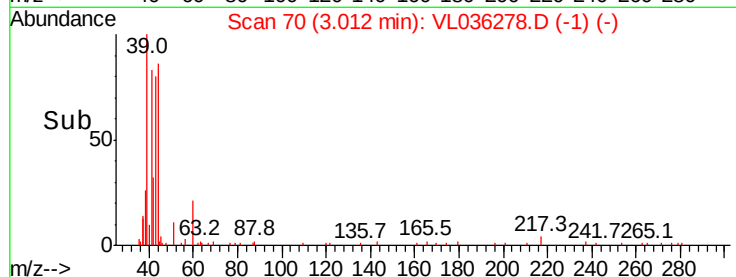
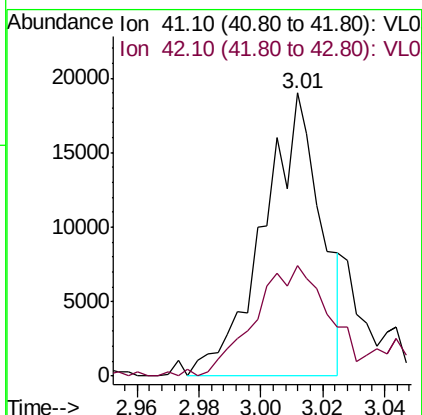
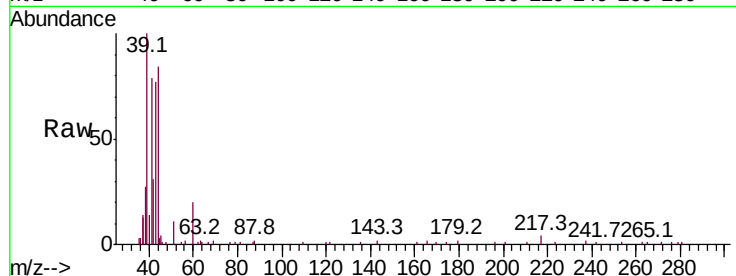
#9
 Propene
 Concen: 0.262 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL036278.D
 Acq: 28 Jan 2021 19:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4DL

Tot Ion	Ratio	Lower	Upper
41	100		
42	60.7	57.1	85.7

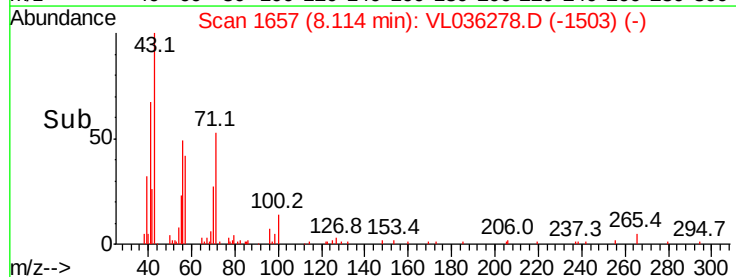
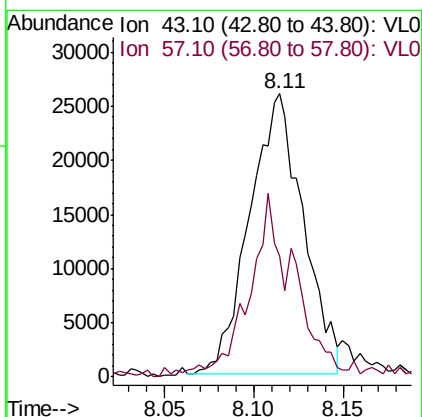
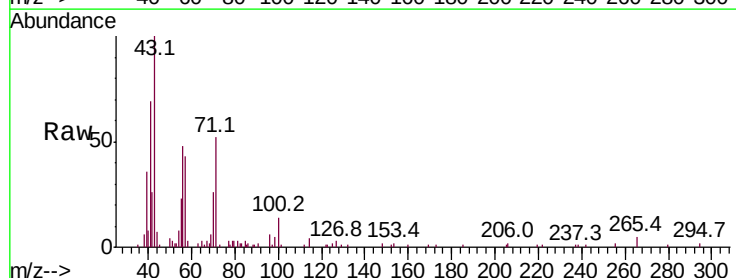
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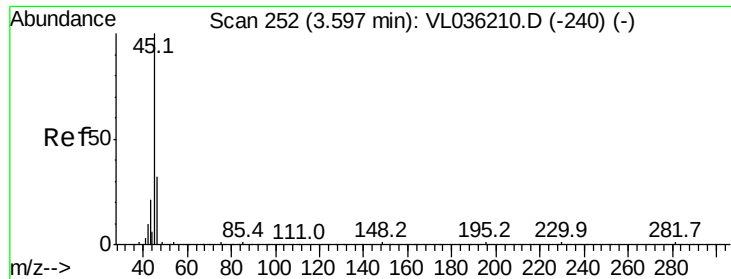
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#10
 Heptane
 Concen: 0.234 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL036278.D
 Acq: 28 Jan 2021 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	55.6	38.1	57.1





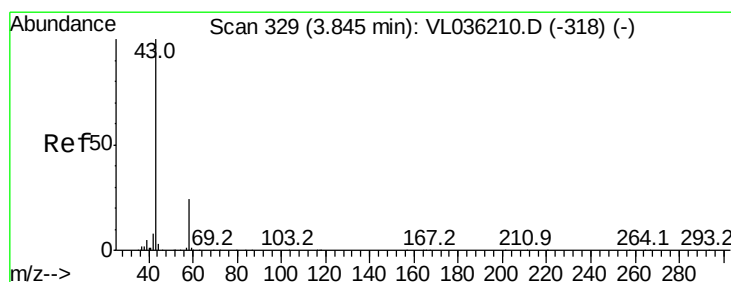
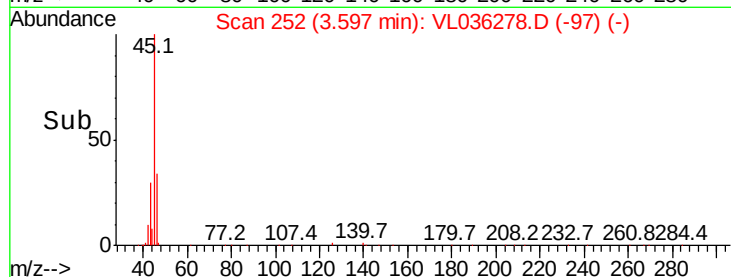
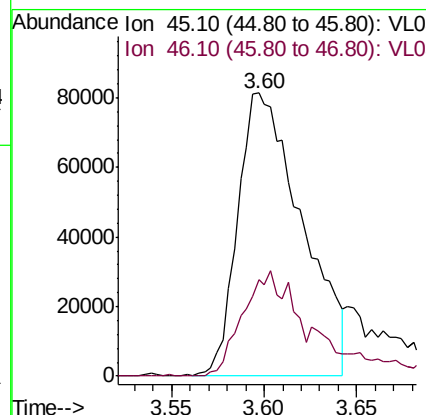
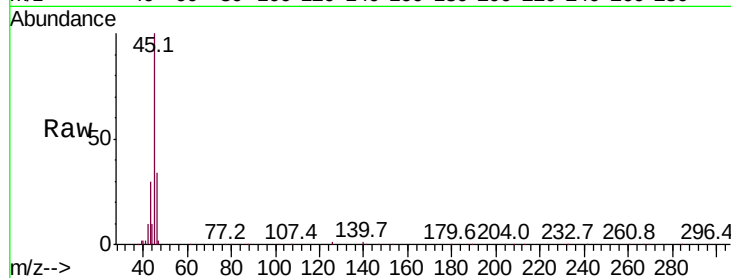
#13
Ethanol
Concen: 13.285 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Tot Ion: 45 Resp: 196099
Ion Ratio Lower Upper
45 100
46 42.0 19.2 77.0

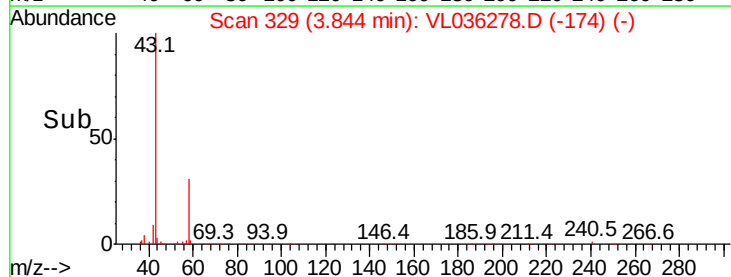
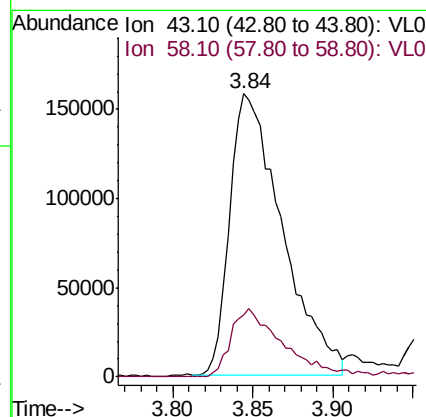
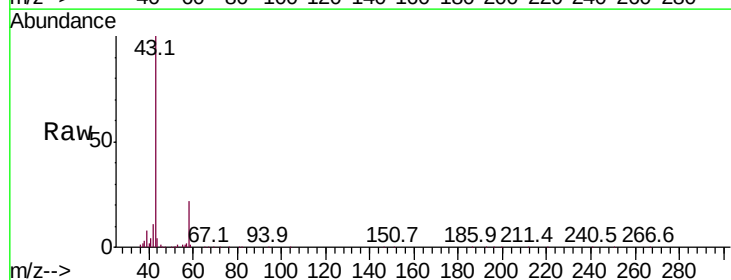
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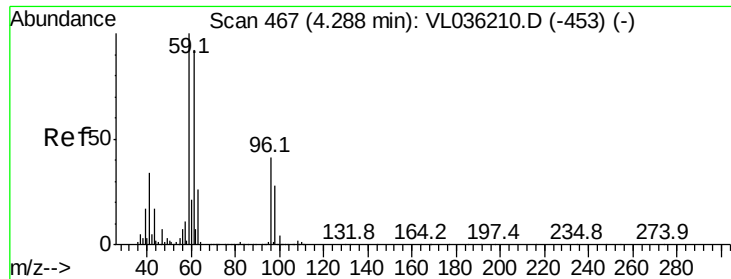
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#15
Acetone
Concen: 1.799 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Tgt Ion: 43 Resp: 354105
Ion Ratio Lower Upper
43 100
58 24.5 20.9 31.3





#17

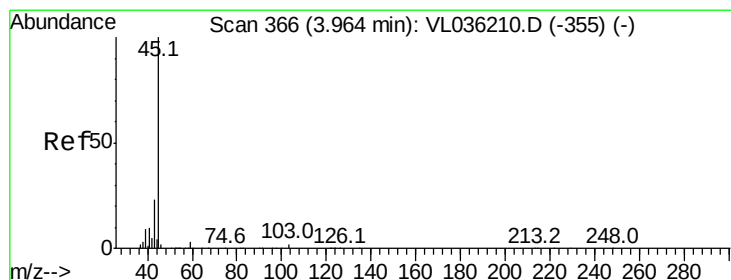
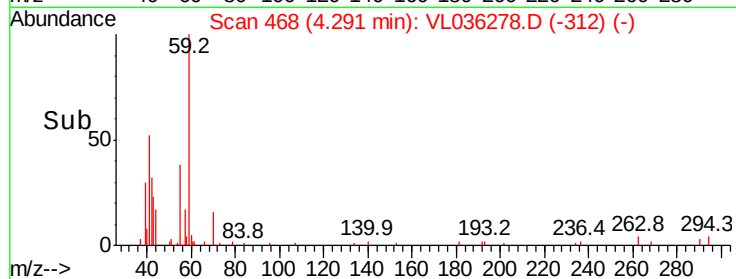
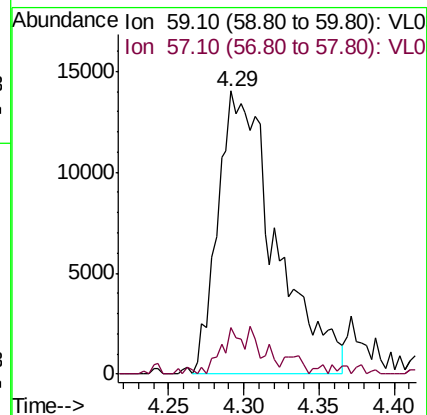
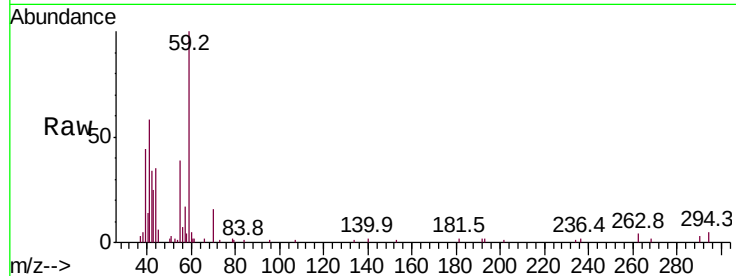
tert-Butyl alcohol
 Concen: 0.230 ppbv m
 RT: 4.29 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VL036278.D
 Acq: 28 Jan 2021 19:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#

Manual Integrations
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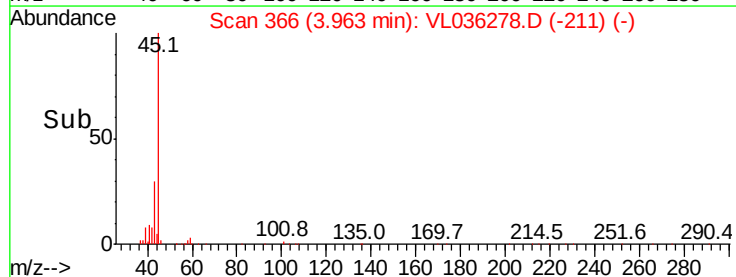
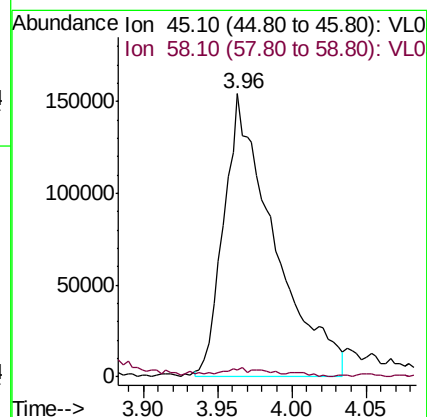
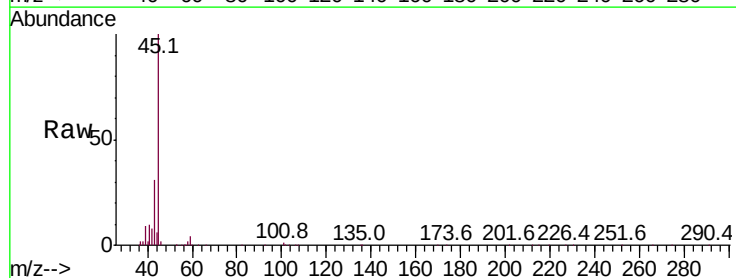
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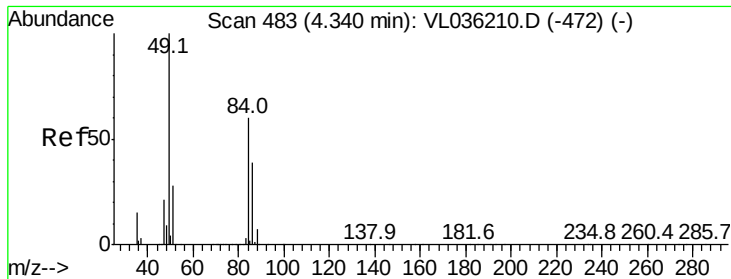


#19

Isopropyl Alcohol
 Concen: 3.074 ppbv m
 RT: 3.96 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VL036278.D
 Acq: 28 Jan 2021 19:17

Tgt Ion	Ratio	Lower	Upper
45	100		
58	2.9	1.9	2.9





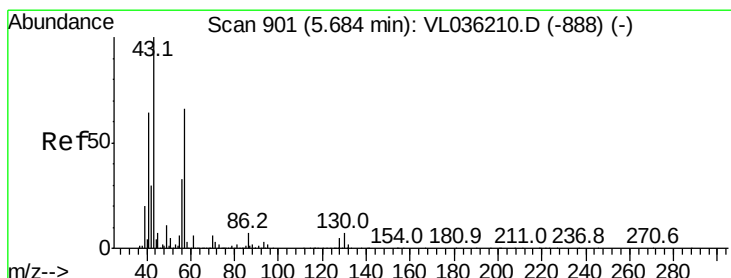
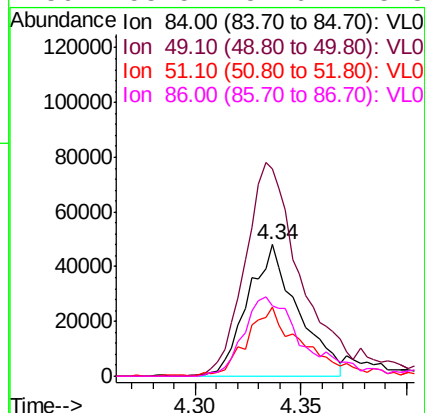
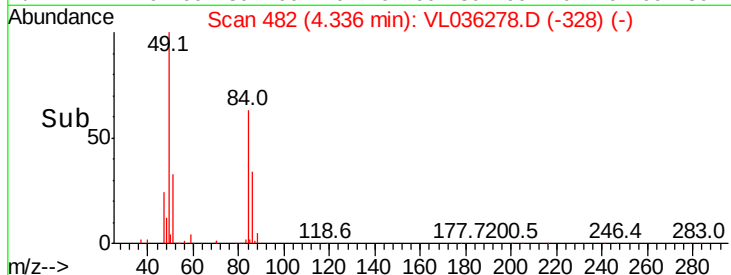
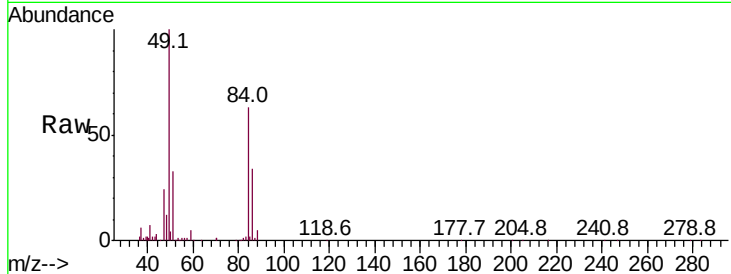
#20
Methvlene Chloride
Concen: 1.283 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	157.1	134.1	201.1	
51	51.9	37.4	56.0	
86	53.5	52.6	78.8	

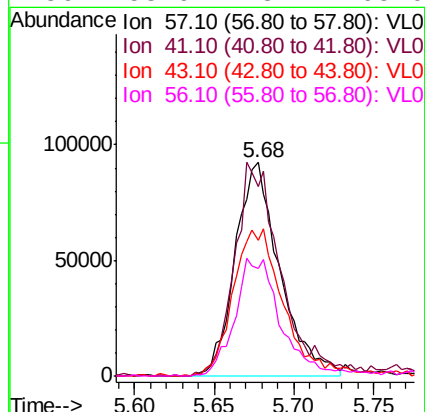
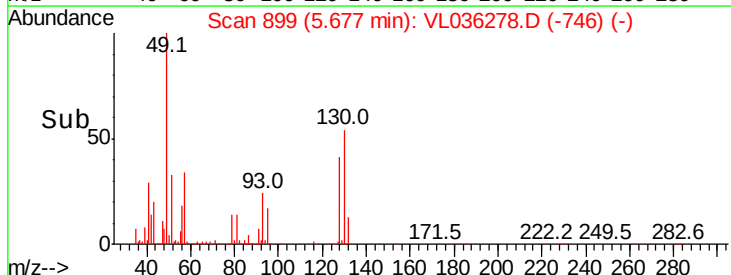
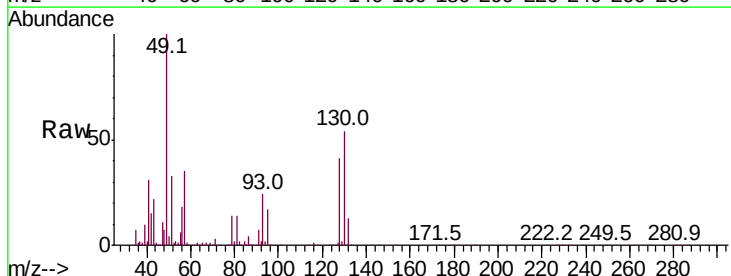
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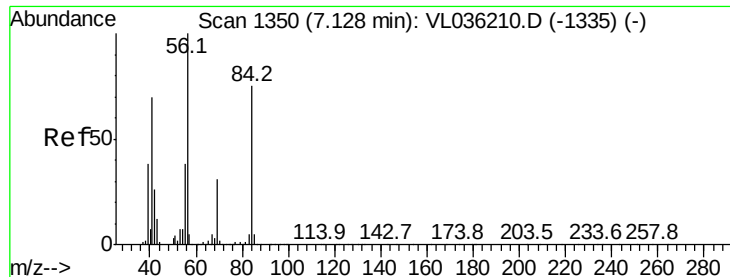
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#26
Hexane
Concen: 1.067 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	107.2	83.0	124.6	
43	81.3	202.4	303.6	
56	58.9	43.4	65.0	





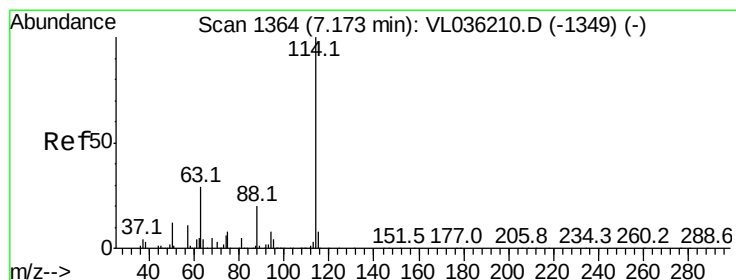
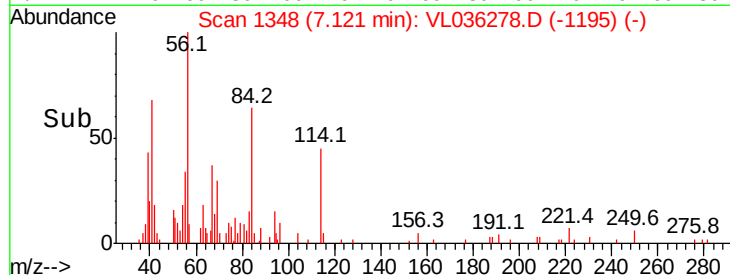
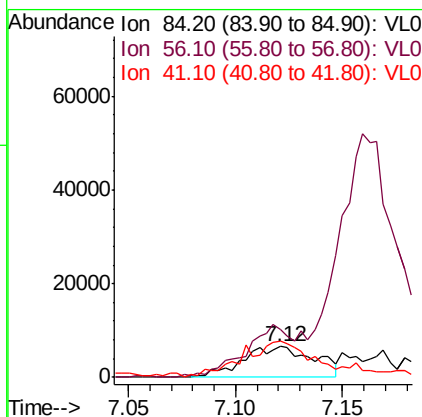
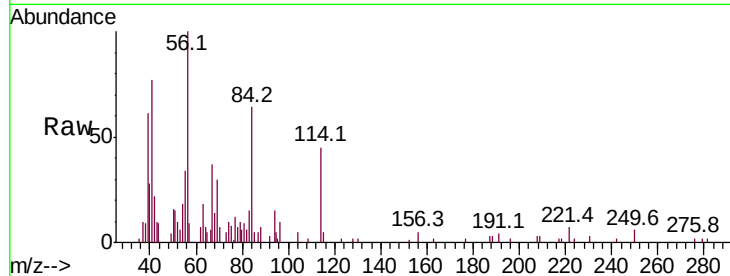
#30
Cvclohexane
Concen: 0.122 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	119.4	179.0#
41	118.2	79.4	119.0

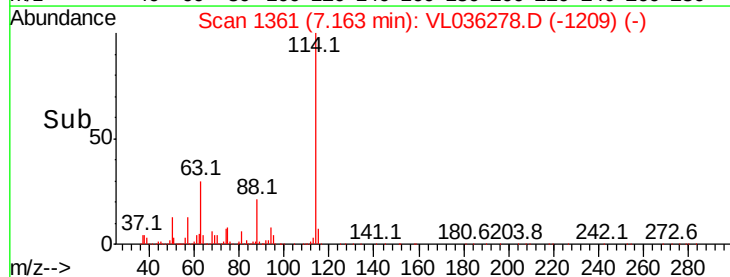
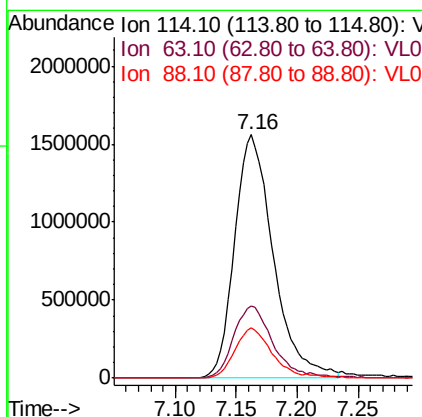
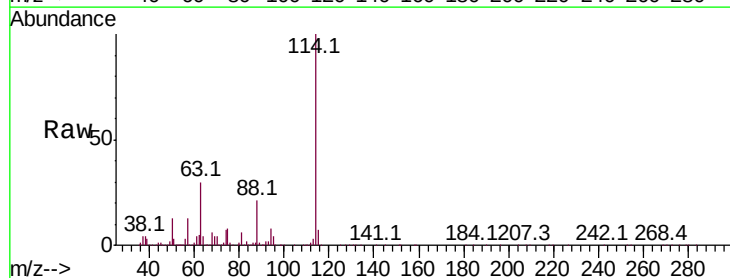
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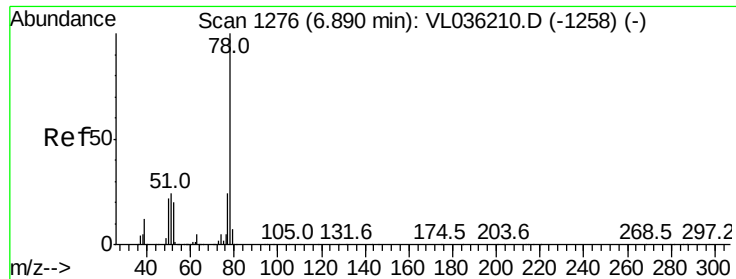
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.7	24.7	37.1
88	20.5	16.6	24.8





#36

Benzene

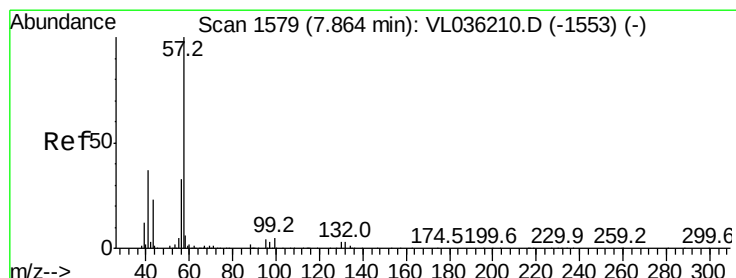
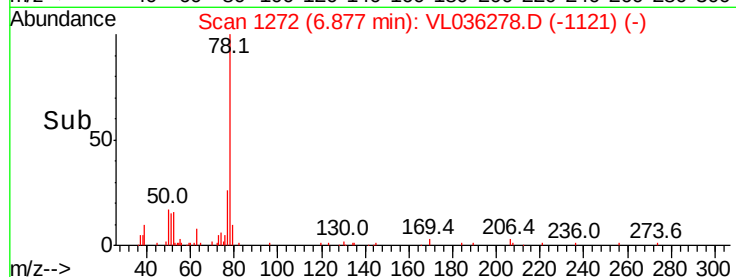
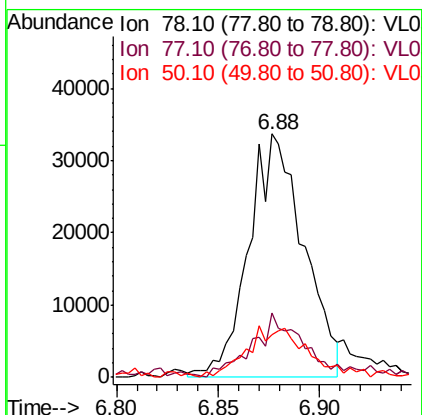
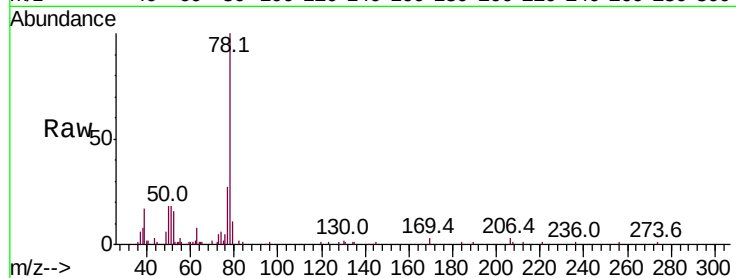
Concen: 0.202 ppbv m
RT: 6.88 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.4	29.0
50	17.8	17.4	26.2

Manual Integrations
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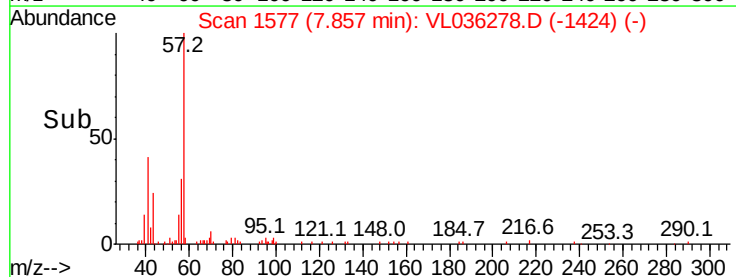
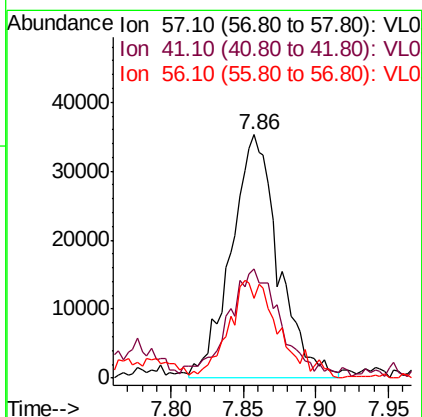
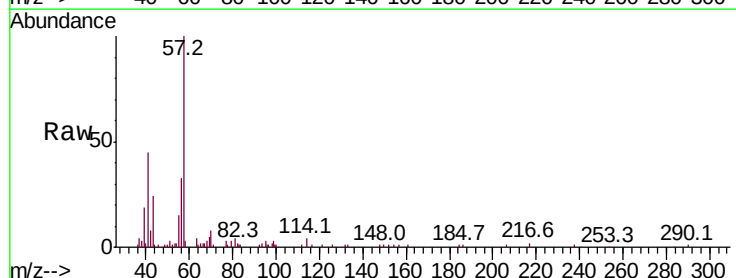


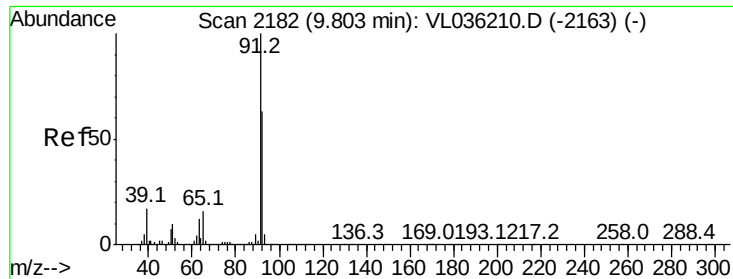
#44

2,2,4-Trimethylpentane

Concen: 0.139 ppbv m
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	46.6	28.5	42.7#
56	41.4	25.5	38.3#





#53

Toluene

Concen: 2.085 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL036278.D

Acq: 28 Jan 2021 19:17

Instrument :

MSVOA_L

ClientSampleId :

SS-4DL

Tot Ion: 91 Resp: 733362

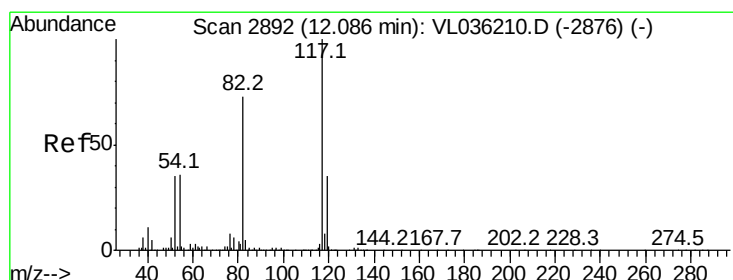
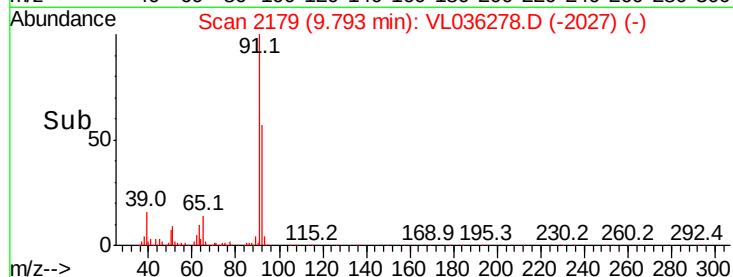
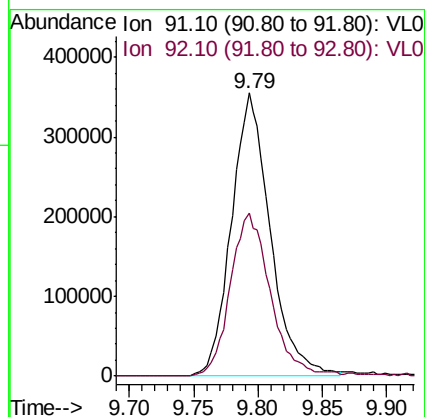
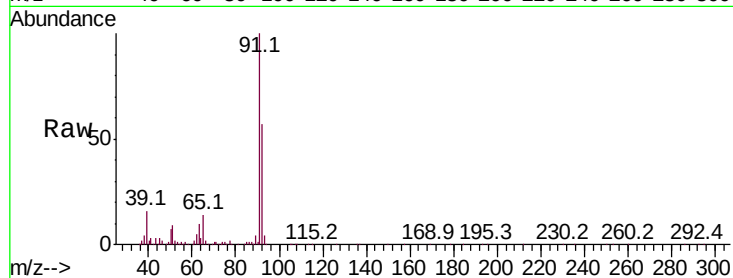
Ion Ratio Lower Upper

91 100

92 60.8 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.01 min

Lab File: VL036278.D

Acq: 28 Jan 2021 19:17

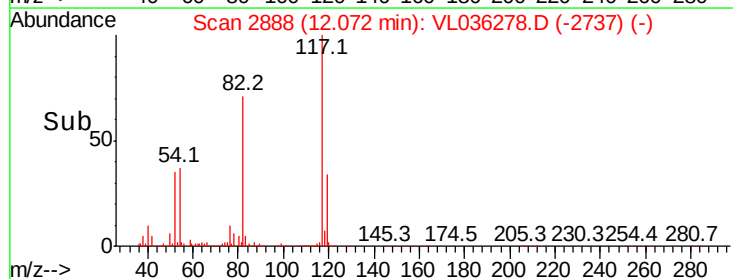
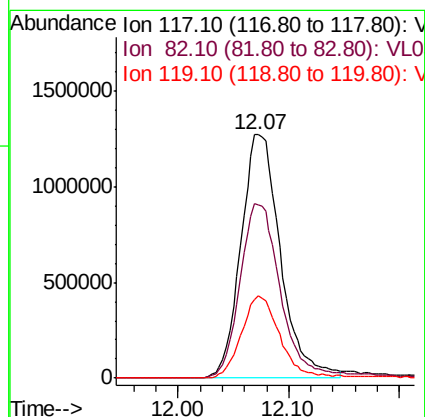
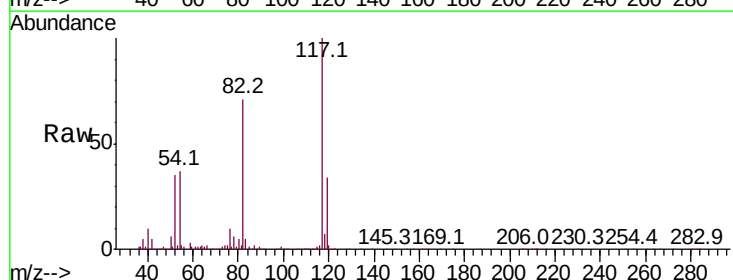
Tgt Ion: 117 Resp: 3175077

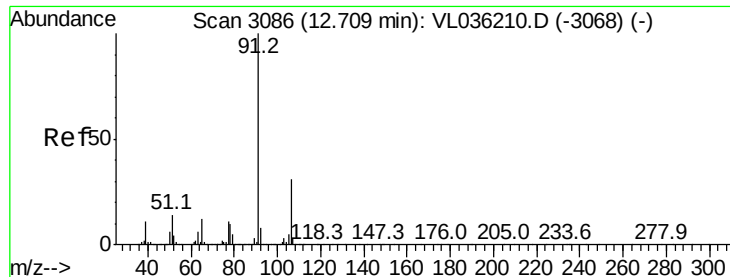
Ion Ratio Lower Upper

117 100

82 75.0 59.7 89.5

119 33.9 28.6 43.0





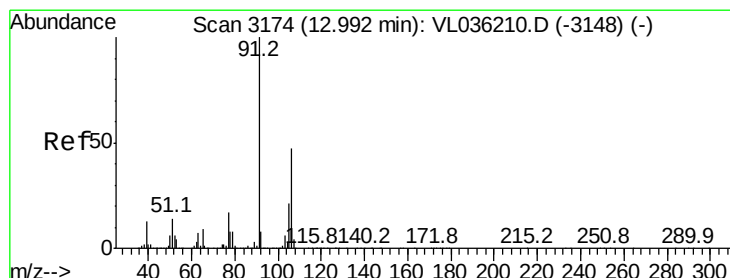
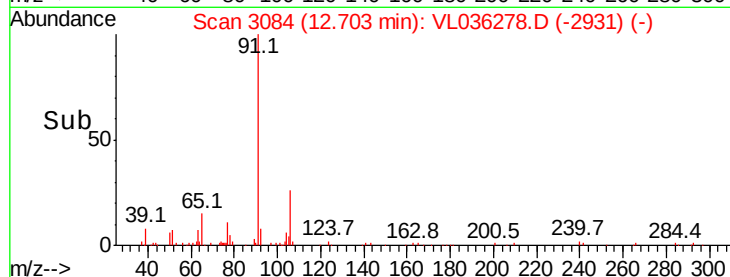
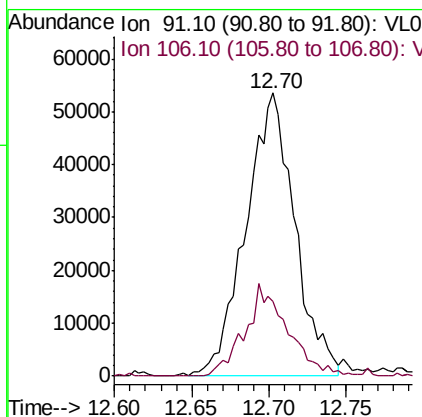
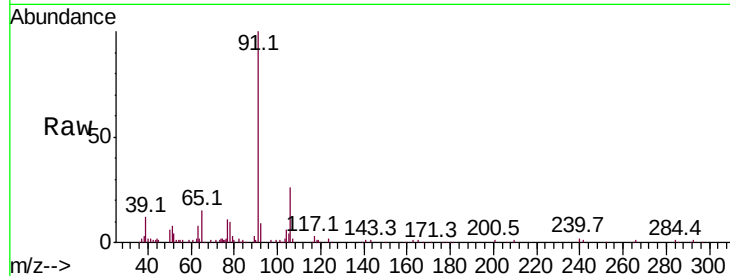
#58
Ethyl Benzene
Concen: 0.250 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Instrument :
MSVOA_L
ClientSampled :
SS-4DL

Tot Ion: 91 Resp: 117937
Ion Ratio Lower Upper
91 100
106 26.0 24.8 37.2

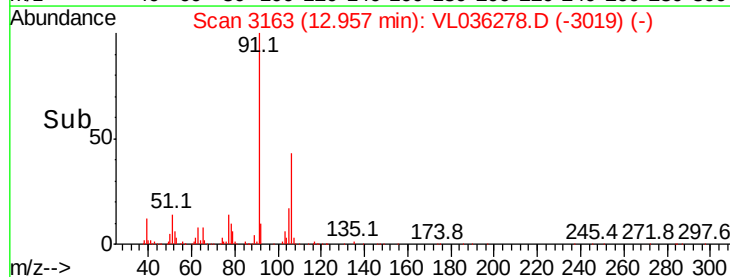
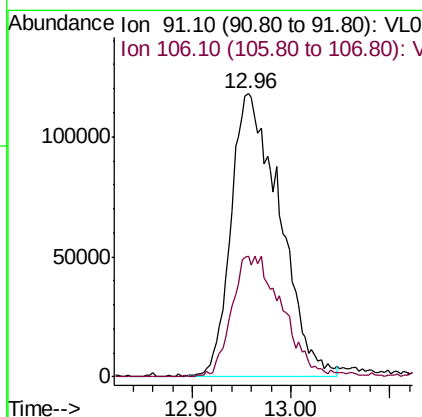
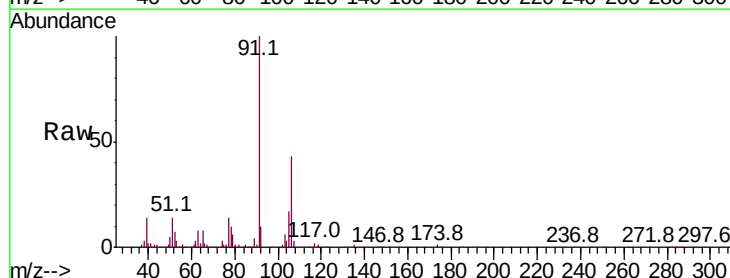
Manual Integrations
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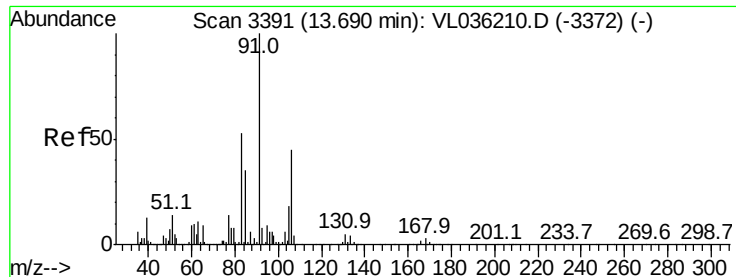
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#59
m/p-Xylene
Concen: 0.998 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL036278.D
Acq: 28 Jan 2021 19:17

Tgt Ion: 91 Resp: 404064
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#60

o-Xylene

Concen: 0.326 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL036278.D

Acq: 28 Jan 2021 19:17

Instrument :

MSVOA_L

ClientSampleId :

SS-4DL

Tot Ion: 91 Resp: 127058

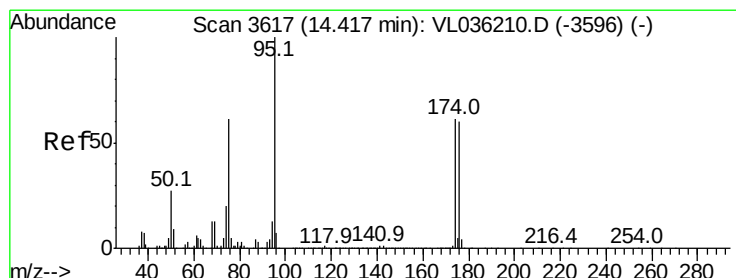
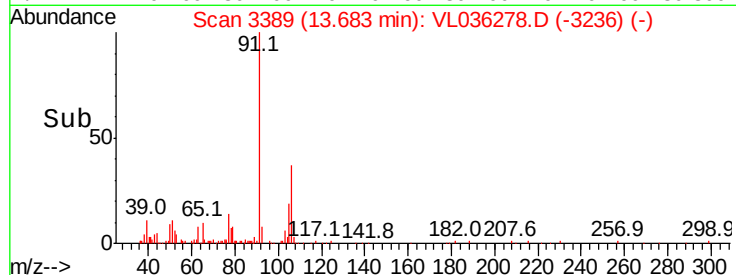
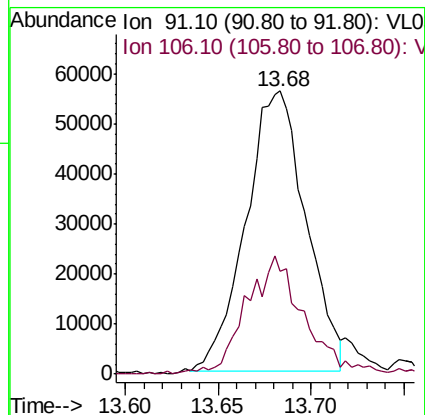
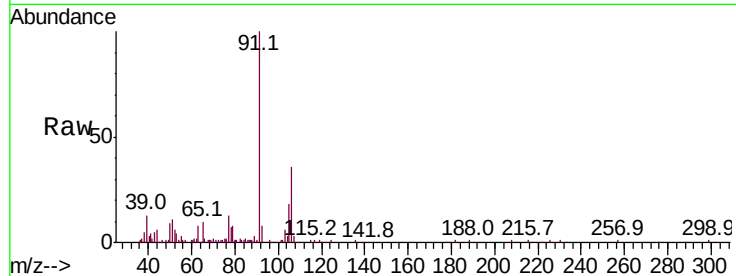
Ion Ratio Lower Upper

91 100

106 41.1 21.9 65.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.014 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.01 min

Lab File: VL036278.D

Acq: 28 Jan 2021 19:17

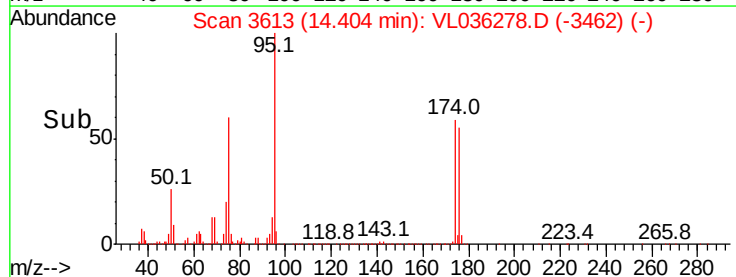
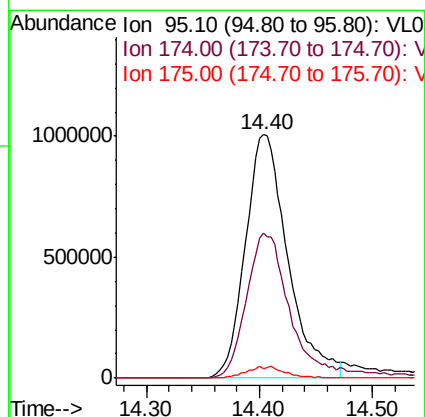
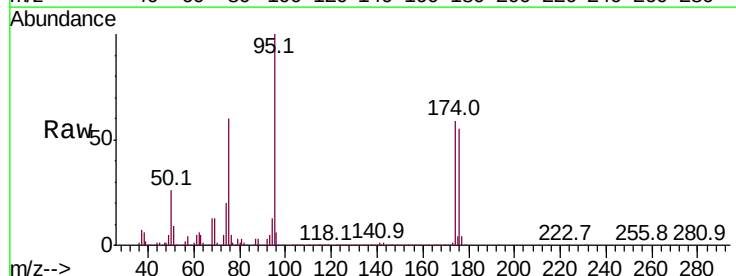
Tgt Ion: 95 Resp: 2631883

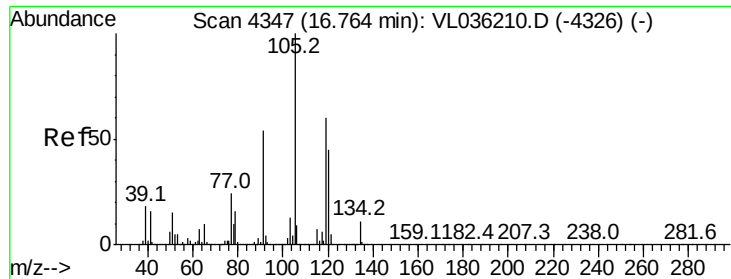
Ion Ratio Lower Upper

95 100

174 64.0 49.4 74.0

175 4.6 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.141 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.01 min
 Lab File: VL036278.D
 Acq: 28 Jan 2021 19:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	52.1	36.2	54.2
91	10.5	43.3	64.9#
77	17.6	19.1	28.7#

Manual Integrations
 APPROVED

MMDadoda
 2/1/2021 1:52:19 PM

