

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036144.D
 Acq On : 11 Dec 2020 1:26
 Operator : SY/AP
 Sample : L4948-16DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4BDL

Manual Integrations
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 12/15/2020 4:51:32 PM

Quant Time: Dec 11 04:59:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1316791	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2583188	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2365307	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2021946	10.77	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	171164	1.115	ppbv #	84
3) Chlorodifluoromethane	2.98	51	13749	0.092	ppbv	96
13) Ethanol	3.59	45	131601m	12.684	ppbv	
15) Acetone	3.84	43	192450	1.216	ppbv #	89
19) Isopropyl Alcohol	3.97	45	54352m	0.562	ppbv	
20) Methylene Chloride	4.32	84	27277m	0.421	ppbv	
24) 1,1-Dichloroethane	5.00	63	68634m	0.463	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	514298	2.667	ppbv	95
38) Trichloroethene	7.82	130	139002	1.699	ppbv #	88
52) Tetrachloroethene	11.21	164	1565564	19.755	ppbv	94
58) Ethyl Benzene	12.70	91	23363m	0.072	ppbv	
59) m/p-Xylene	12.96	91	82539m	0.302	ppbv	
60) o-Xylene	13.68	91	32768m	0.127	ppbv	

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

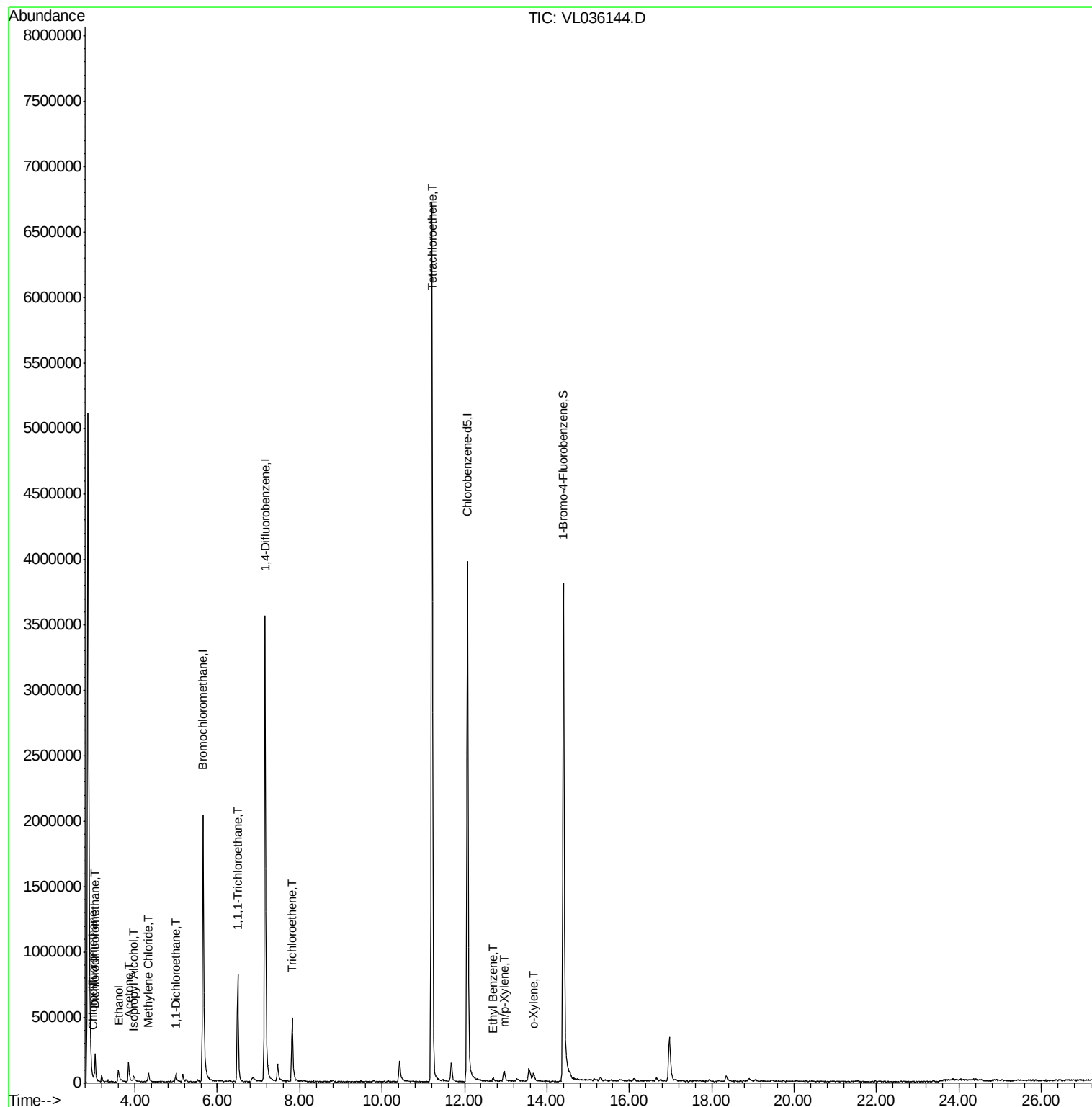
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
Data File : VL036144.D
Acq On : 11 Dec 2020 1:26
Operator : SY/AP
Sample : L4948-16DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

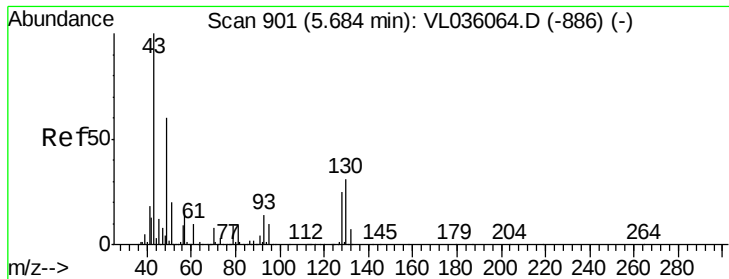
Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Manual Integrations
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Quant Time: Dec 11 04:59:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036144.D

Acq: 11 Dec 2020 1:26

Instrument :

MSVOA_L

ClientSampleId :

SS-4BDL

Tot Ion: 49 Resp: 1316791

Ion Ratio Lower Upper

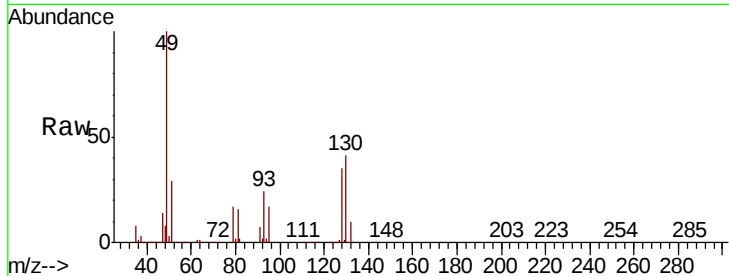
49 100

128 36.3 21.1 63.1

130 45.3 27.1 81.3

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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

800000

600000

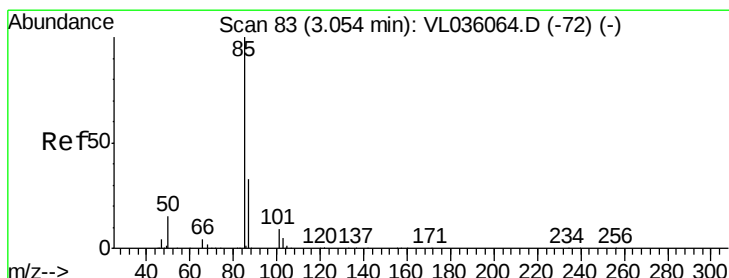
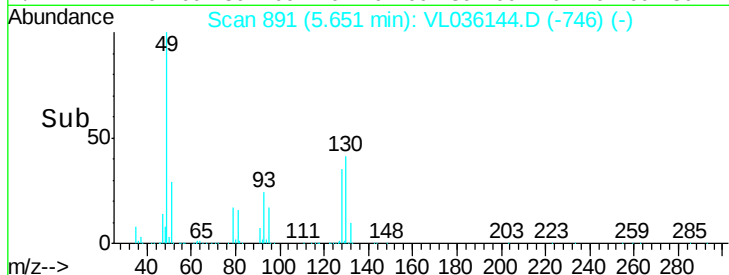
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 1.115 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036144.D

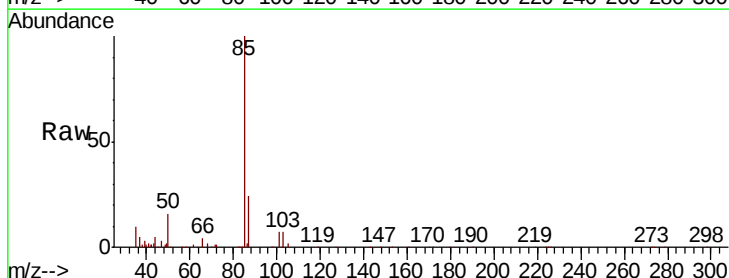
Acq: 11 Dec 2020 1:26

Tgt Ion: 85 Resp: 171164

Ion Ratio Lower Upper

85 100

87 24.1 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

120000

100000

80000

60000

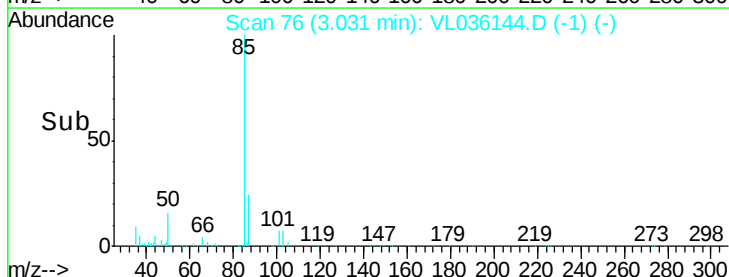
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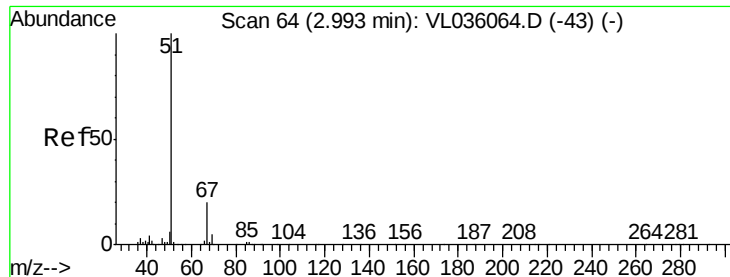
20000

0

3.00 3.05

Time-->





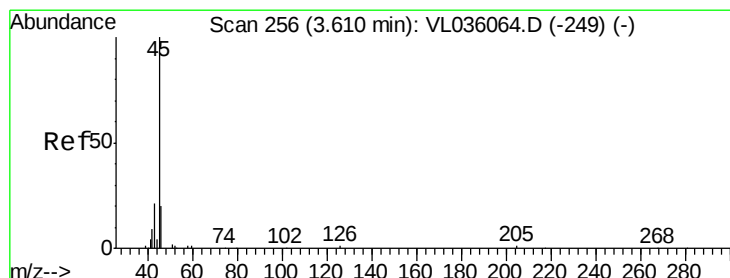
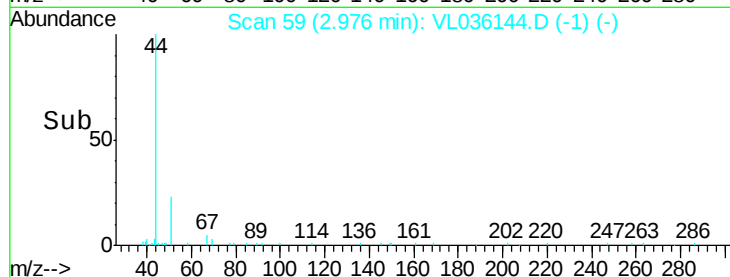
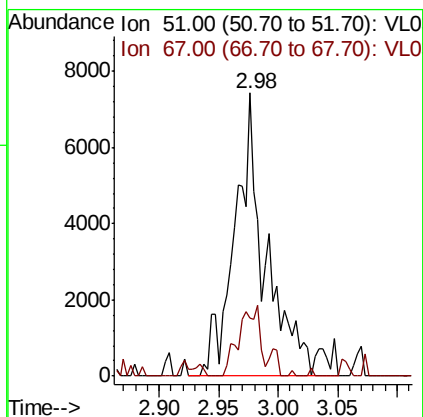
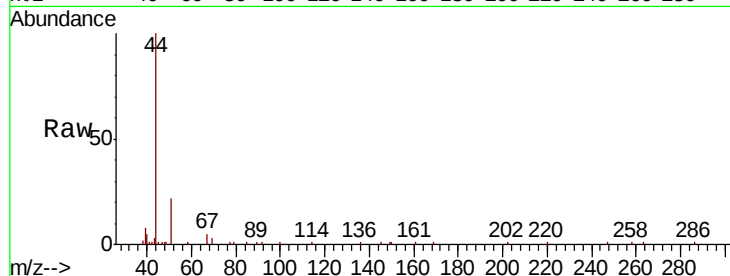
#3
Chlorodifluoromethane
Concen: 0.092 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.5	14.3	21.5

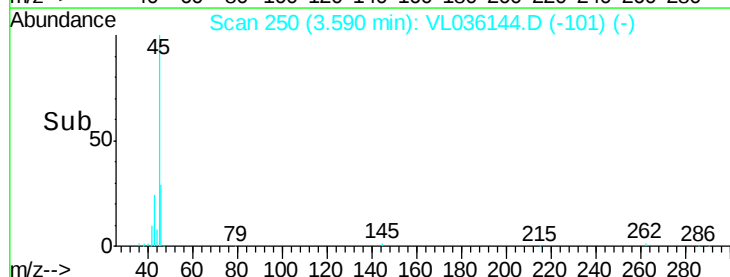
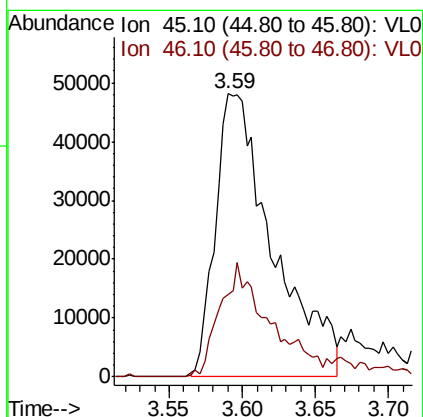
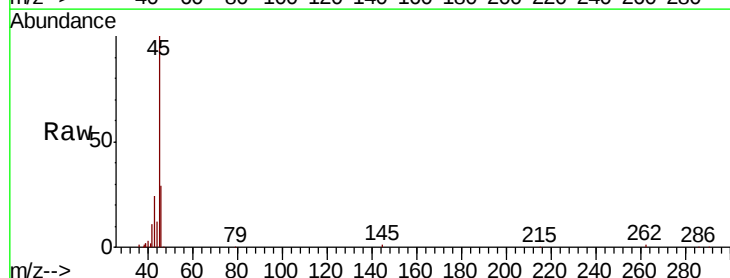
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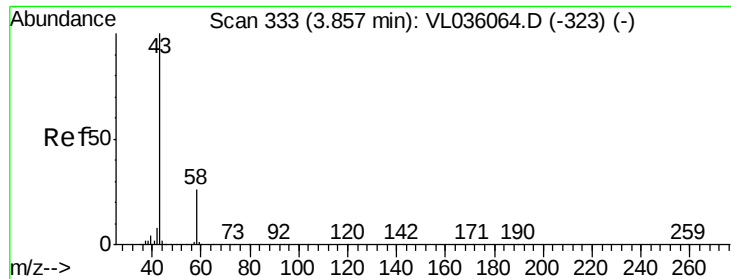
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#13
Ethanol
Concen: 12.684 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion	Ratio	Lower	Upper
45	100		
46	0.0	19.0	75.8#





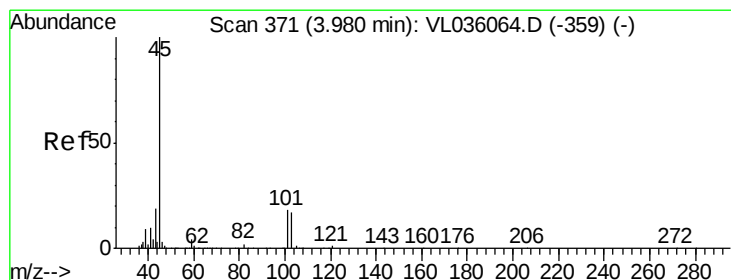
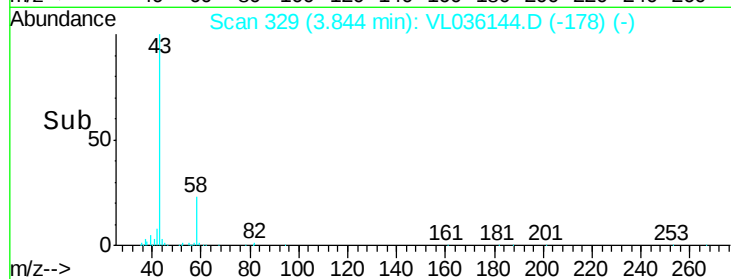
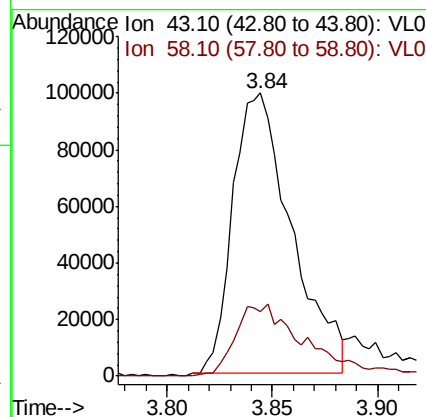
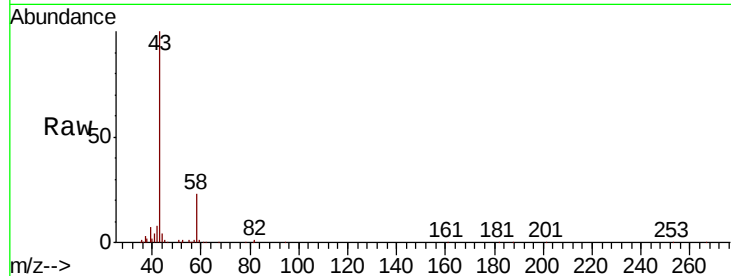
#15
Acetone
Concen: 1.216 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.6	20.9	31.3#

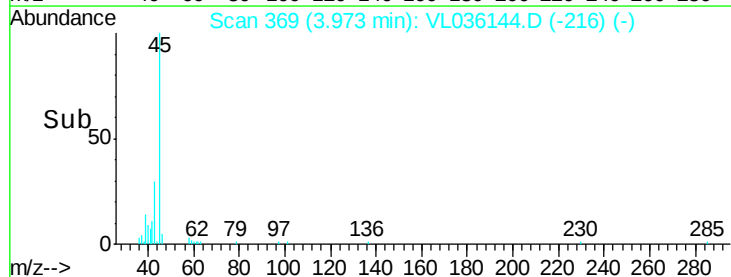
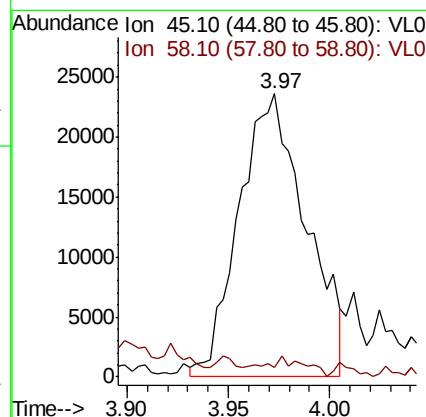
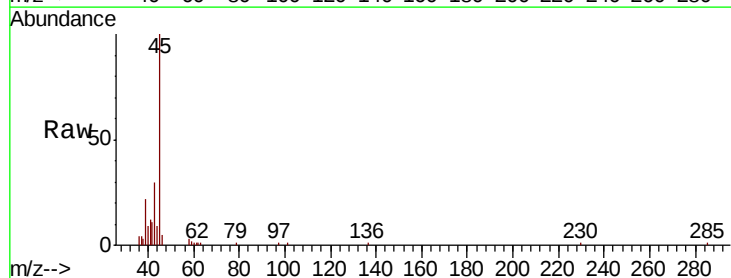
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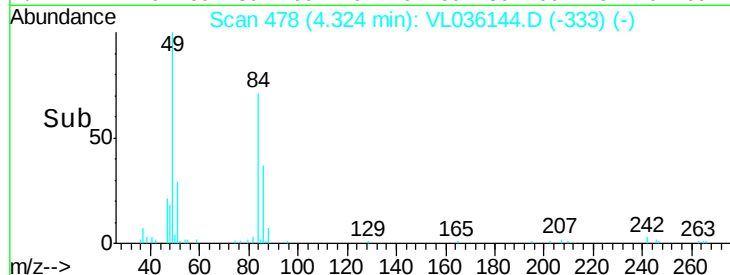
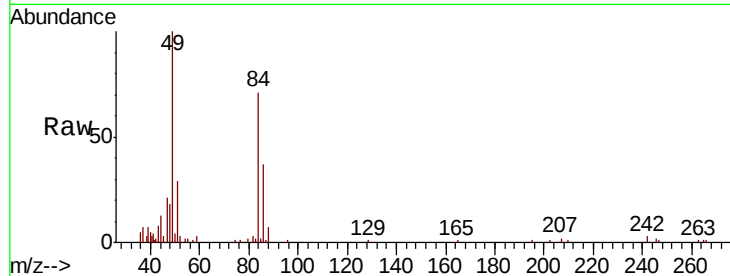
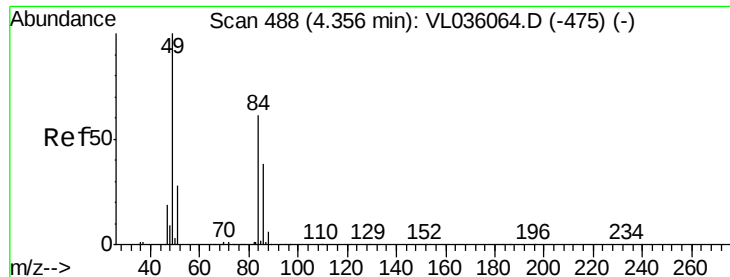
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#19
Isopropyl Alcohol
Concen: 0.562 ppbv m
RT: 3.97 min Scan# 369
Delta R.T. -0.01 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion	Ratio	Lower	Upper
45	100		
58	6.6	0.0	0.0#





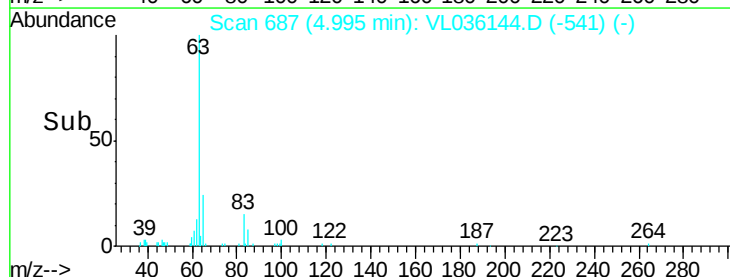
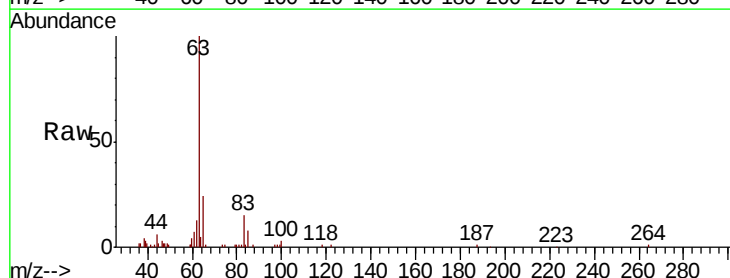
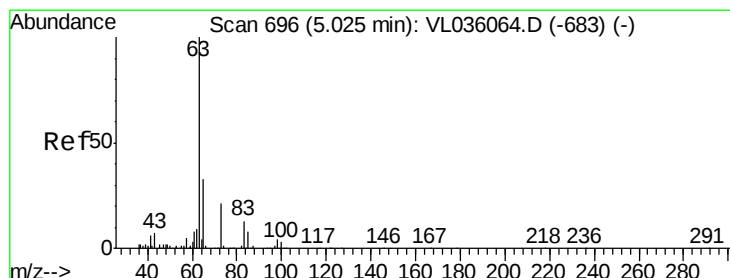
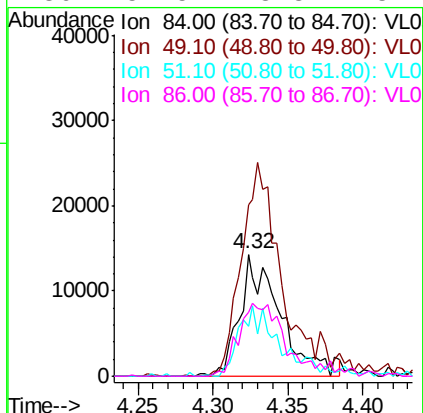
#20
Methvlene Chloride
Concen: 0.421 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tot Ion	84	Resp	27277
Ion Ratio	Lower	Upper	
84	100		
49	140.4	133.0	199.4
51	41.4	38.9	58.3
86	52.5	48.8	73.2

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

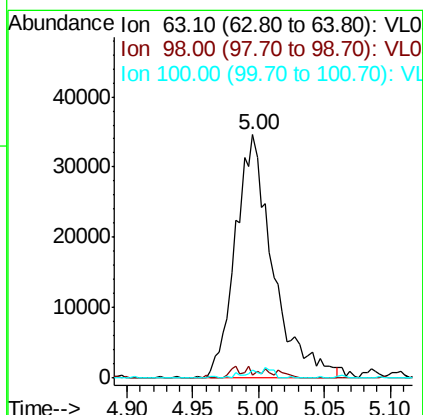
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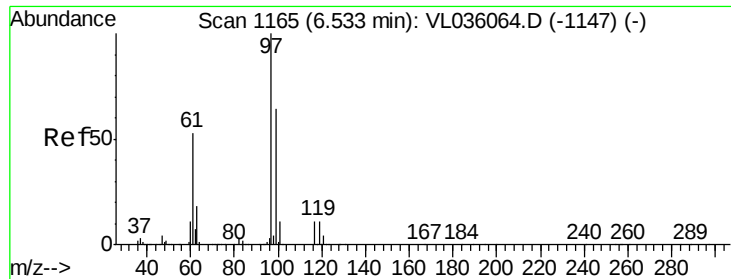
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#24
1,1-Dichloroethane
Concen: 0.463 ppbv m
RT: 5.00 min Scan# 687
Delta R.T. -0.03 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion	63	Resp	68634
Ion Ratio	Lower	Upper	
63	100		
98	1.2	2.2	6.6#
100	3.2	1.5	4.4





#32

1,1,1-Trichloroethane

Concen: 2.667 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.04 min

Lab File: VL036144.D

Acq: 11 Dec 2020 1:26

Instrument :

MSVOA_L

ClientSampleId :

SS-4BDL

Tot Ion: 97 Resp: 514298

Ion Ratio Lower Upper

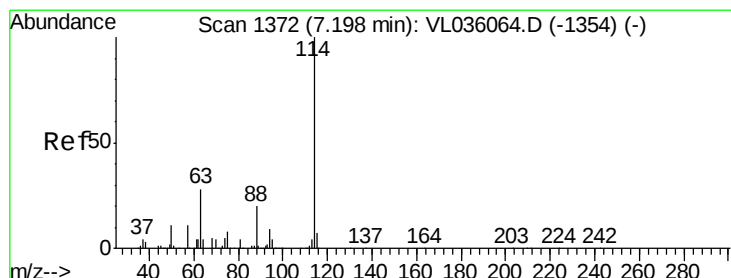
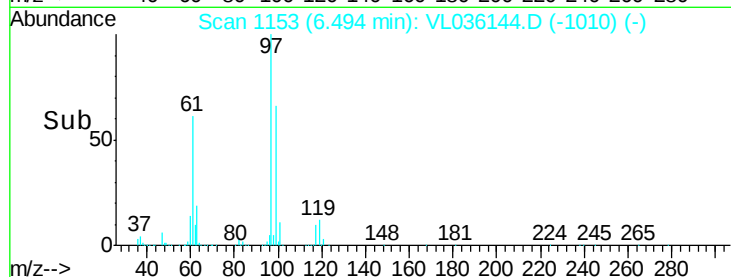
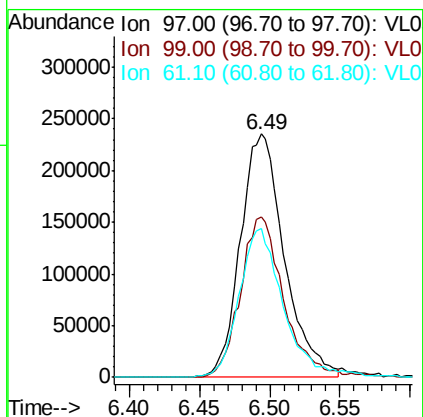
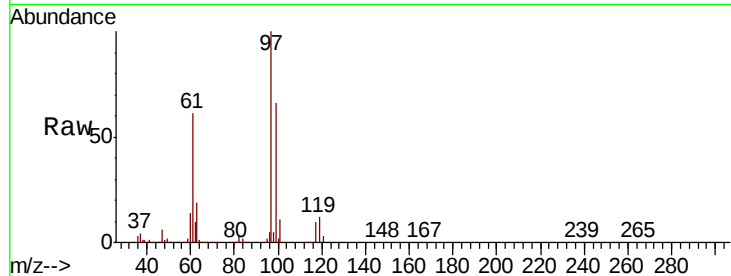
97 100

99 65.7 52.4 78.6

61 62.0 43.4 65.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.04 min

Lab File: VL036144.D

Acq: 11 Dec 2020 1:26

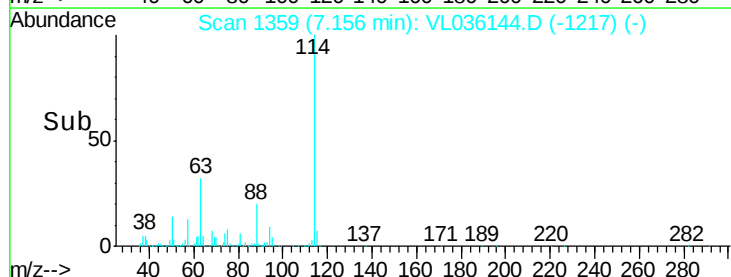
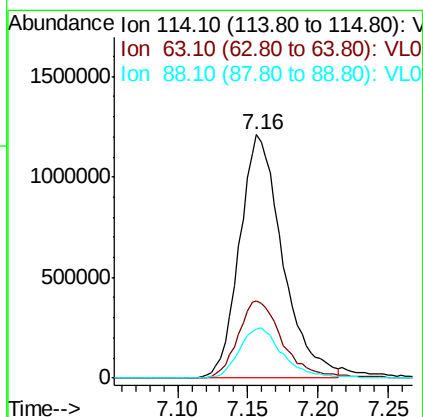
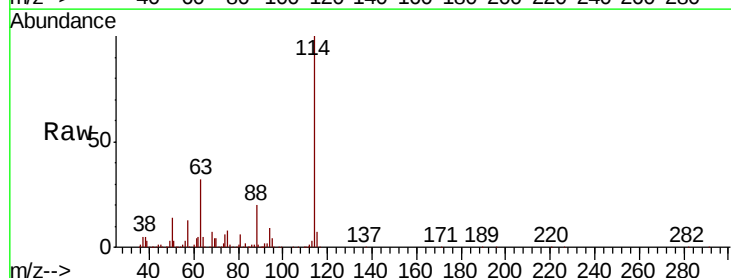
Tgt Ion: 114 Resp: 2583188

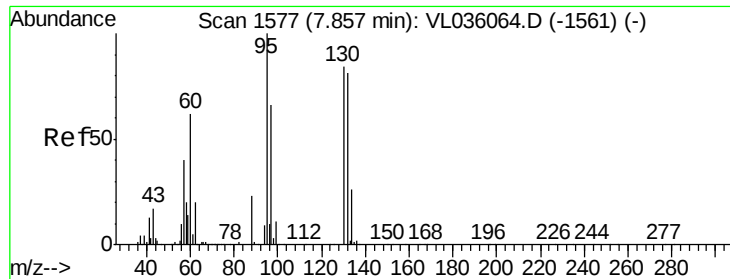
Ion Ratio Lower Upper

114 100

63 33.3 23.6 35.4

88 21.2 15.8 23.6





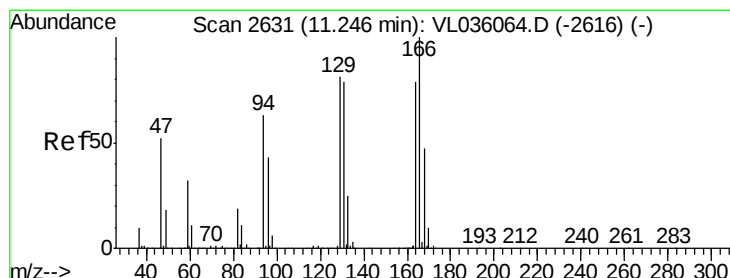
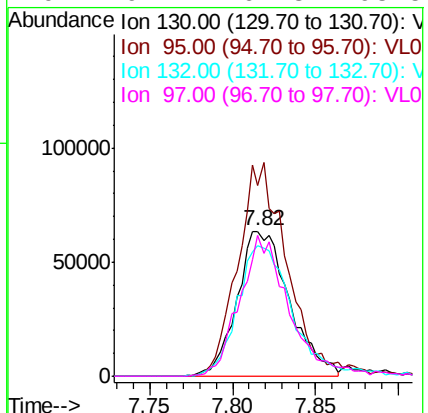
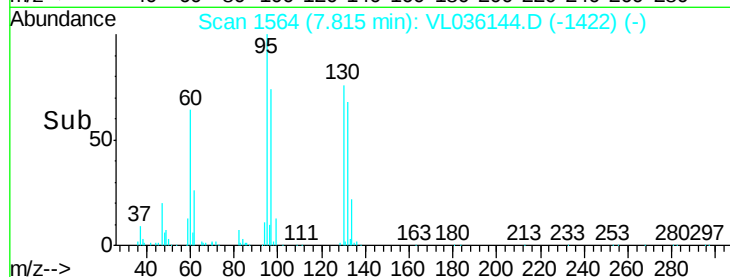
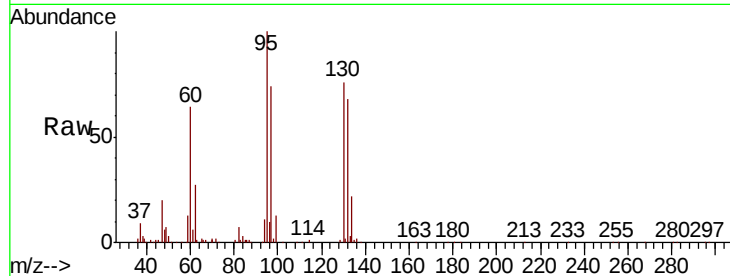
#38
 Trichloroethene
 Concen: 1.699 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.04 min
 Lab File: VL036144.D
 Acq: 11 Dec 2020 1:26

Instrument :
 MSVOA_L
 ClientSampleID :
 SS-4BDL

Tot Ion	Ratio	Lower	Upper
130	100		
95	130.4	95.2	142.8
132	89.2	76.9	115.3
97	97.1	62.3	93.5#

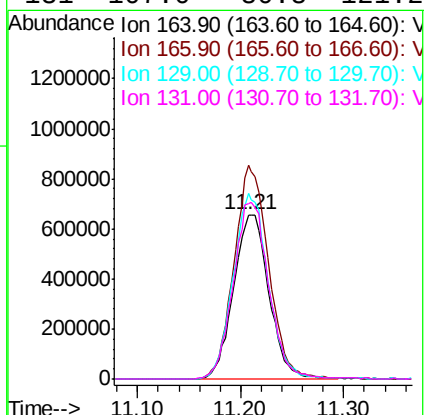
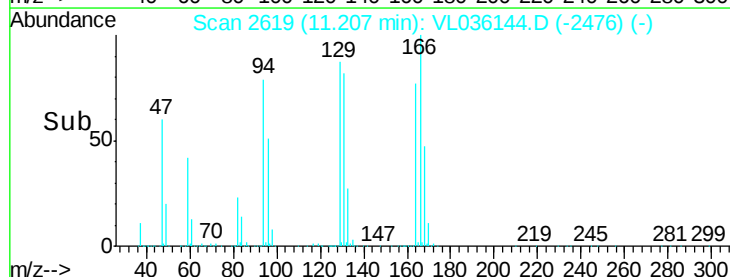
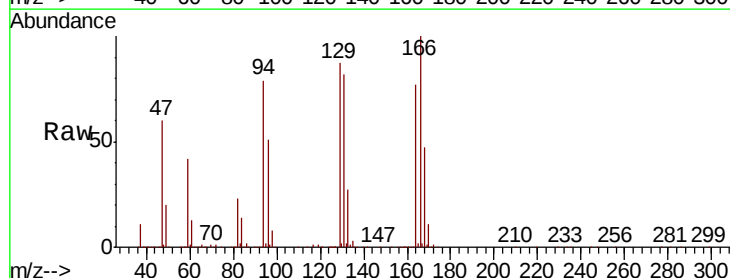
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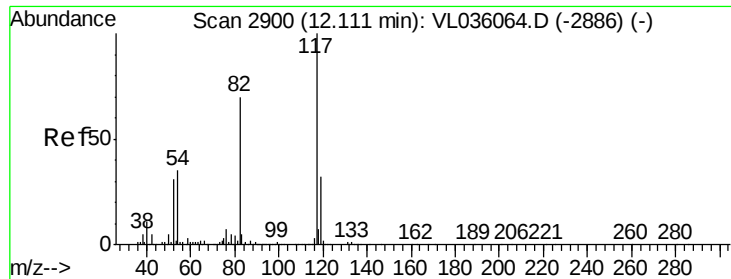
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#52
 Tetrachloroethene
 Concen: 19.755 ppbv
 RT: 11.21 min Scan# 2619
 Delta R.T. -0.04 min
 Lab File: VL036144.D
 Acq: 11 Dec 2020 1:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.9	152.9
129	112.7	82.1	123.1
131	107.0	80.8	121.2





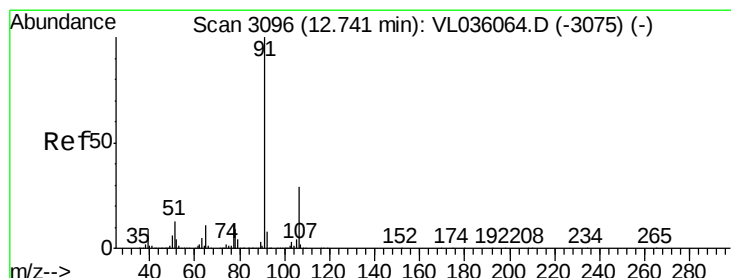
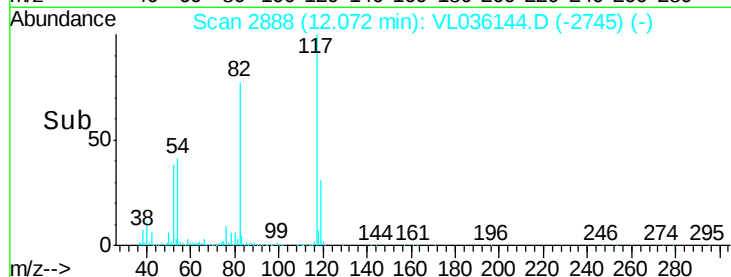
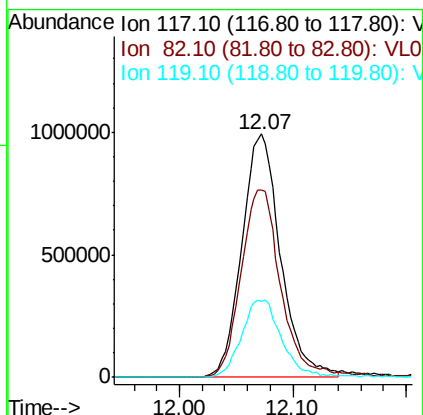
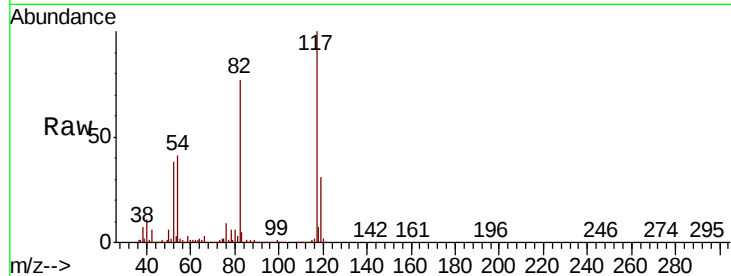
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tot Ion: 117 Resp: 2365307
Ion Ratio Lower Upper
117 100
82 80.7 0.0 0.0#
119 33.2 0.0 0.0#

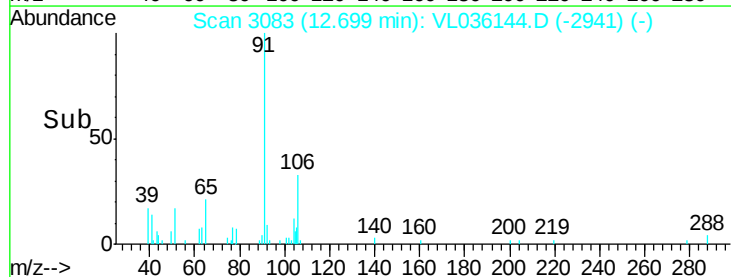
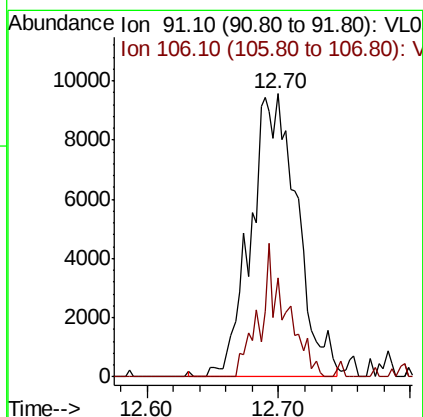
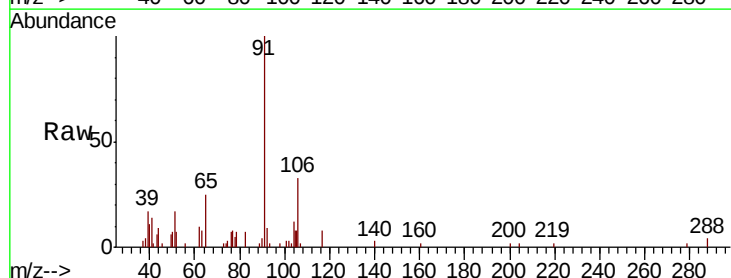
Manual Integrations
APPROVED

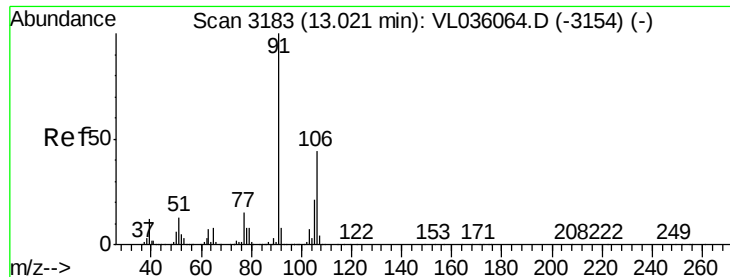
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#58
Ethyl Benzene
Concen: 0.072 ppbv m
RT: 12.70 min Scan# 3083
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 91 Resp: 23363
Ion Ratio Lower Upper
91 100
106 33.0 23.0 34.4





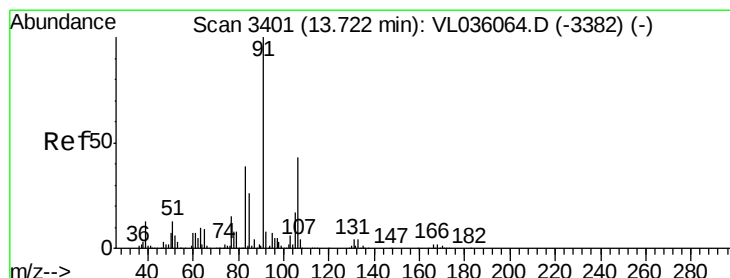
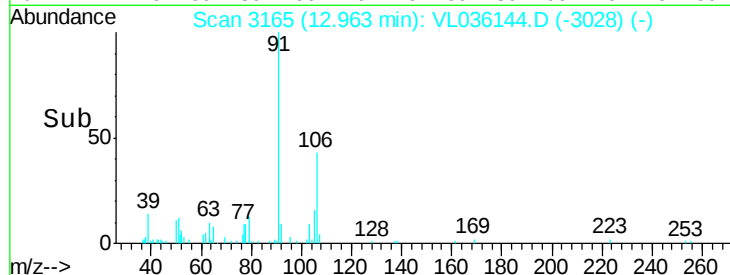
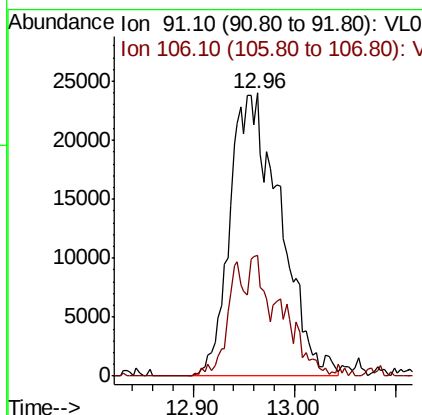
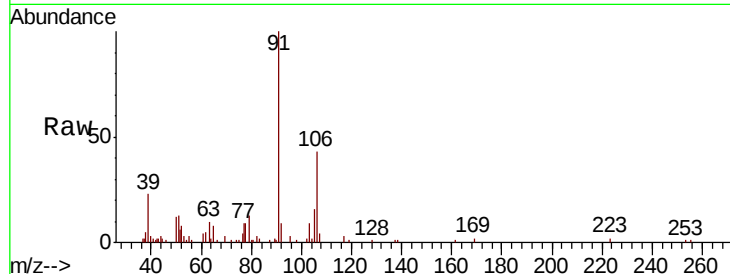
#59
m/p-Xylene
Concen: 0.302 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.06 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tot Ion: 91 Resp: 82539
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

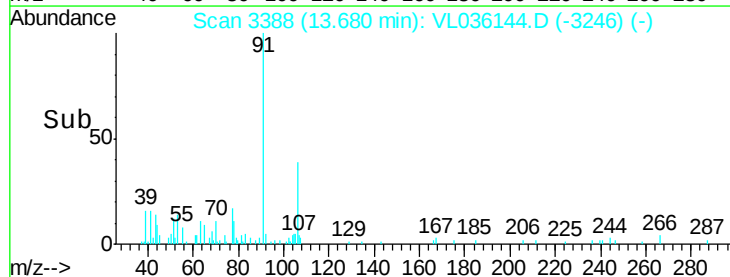
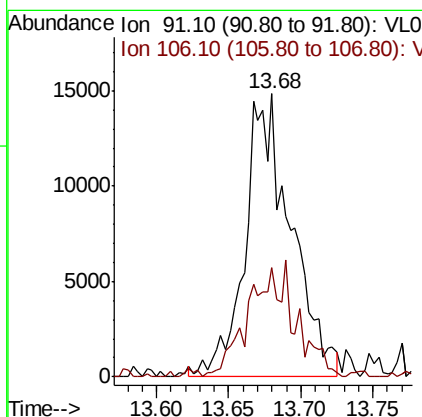
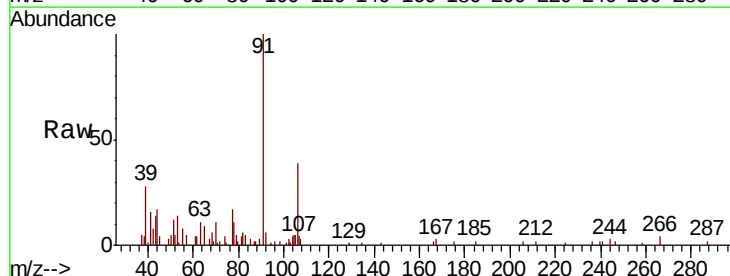
Manual Integrations
APPROVED

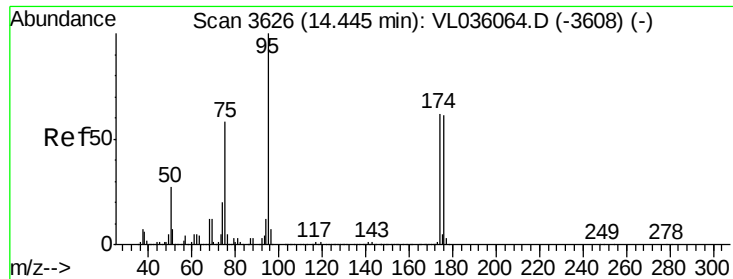
MMDadoda
12/15/2020 4:51:32 PM



#60
o-Xylene
Concen: 0.127 ppbv m
RT: 13.68 min Scan# 3388
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 91 Resp: 32768
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.766 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.04 min
 Lab File: VL036144.D
 Acq: 11 Dec 2020 1:26

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4BDL

Tot Ion: 95 Resp: 2021946
 Ion Ratio Lower Upper
 95 100
 174 56.5 50.7 76.1
 175 4.0 4.0 6.0#

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:51:32 PM

