

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036332.D
 Acq On : 11 Feb 2021 00:34
 Operator : SY/AP
 Sample : M1343-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6B

Manual Integrations
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MMDadoda
 2/12/2021 1:42:44 PM

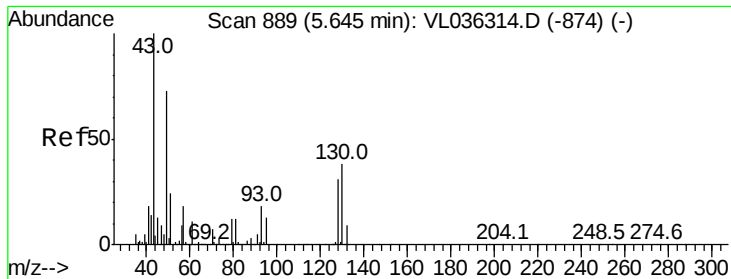
Quant Time: Feb 11 21:05:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1660487	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3505197	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3112580	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2582342	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	65446	0.264	ppbv	99
3) Chlorodifluoromethane	2.97	51	636462m	3.085	ppbv	
4) Chloromethane	3.13	50	59656	0.599	ppbv	100
9) Propene	3.01	41	205265	2.668	ppbv #	79
11) Trichlorofluoromethane	3.93	101	52072m	0.215	ppbv	
13) Ethanol	3.64	45	31791631	2200.373	ppbv	100
15) Acetone	3.83	43	1597883	7.872	ppbv	97
19) Isopropyl Alcohol	4.02	45	9965166m	88.617	ppbv	
20) Methylene Chloride	4.32	84	85662m	1.308	ppbv	
25) Ethyl Acetate	5.66	43	329041	0.840	ppbv #	96
27) Carbon Disulfide	4.53	76	21667m	0.146	ppbv	
29) Chloroform	5.73	83	34236m	0.132	ppbv	
34) 2-Butanone	5.23	43	106545m	0.457	ppbv	
35) Carbon Tetrachloride	7.00	117	16044m	0.068	ppbv	
36) Benzene	6.87	78	676865	2.273	ppbv	97
53) Toluene	9.78	91	199216	0.618	ppbv	97
59) m/p-Xylene	12.94	91	60119m	0.161	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036332.D

Acq: 11 Feb 2021 00:34

Instrument :

MSVOA_L

ClientSampleId :

SR-6B

Tot Ion: 49 Resp: 1660487

Ion Ratio Lower Upper

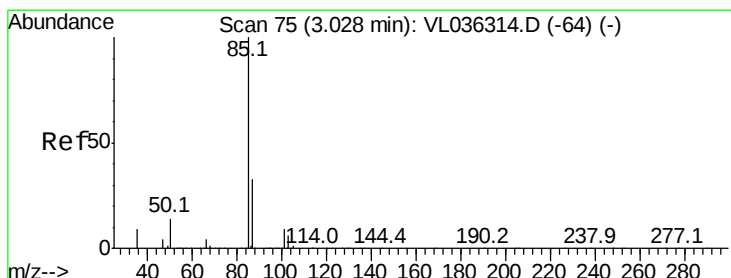
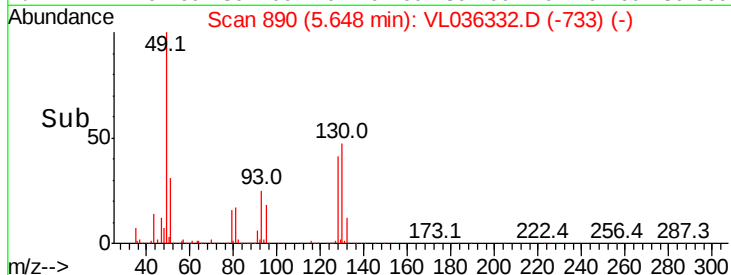
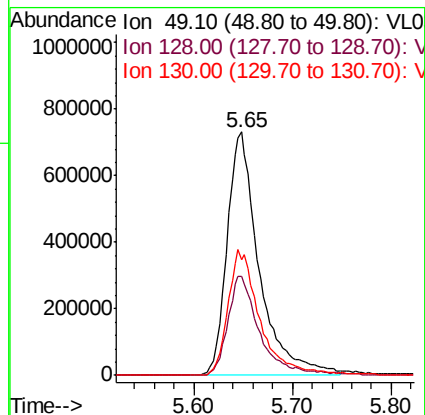
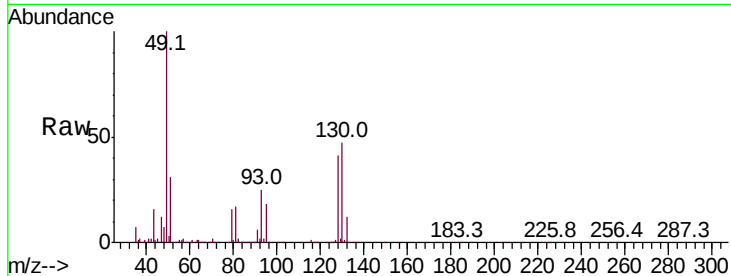
49 100

128 41.1 20.8 62.5

130 52.1 26.7 80.1

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#2

Dichlorodifluoromethane

Concen: 0.264 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036332.D

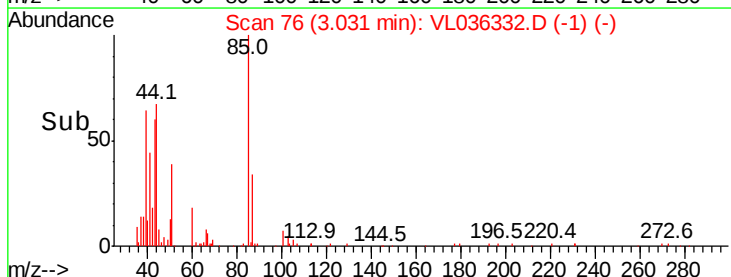
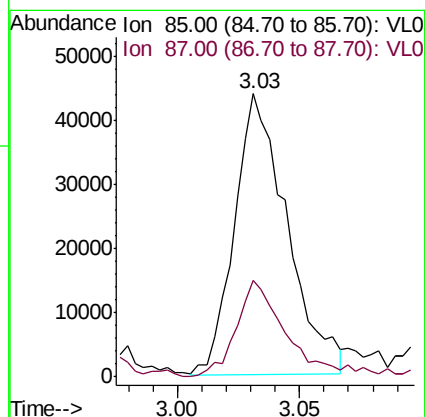
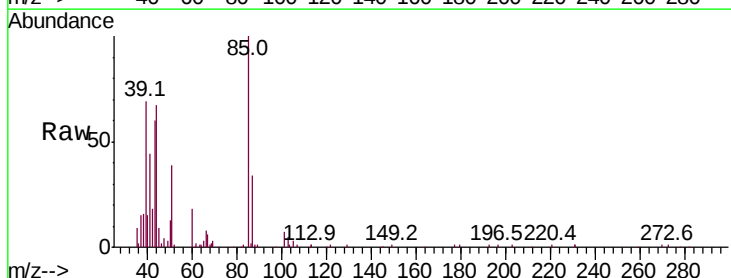
Acq: 11 Feb 2021 00:34

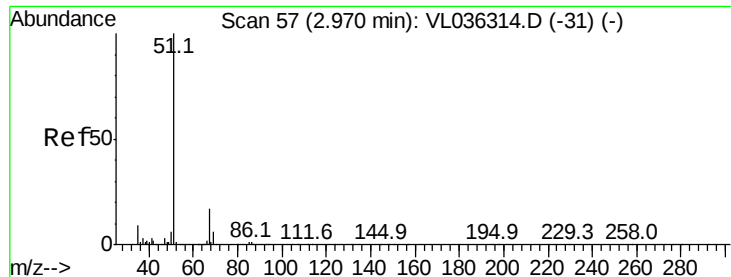
Tgt Ion: 85 Resp: 65446

Ion Ratio Lower Upper

85 100

87 33.8 26.5 39.7





#3

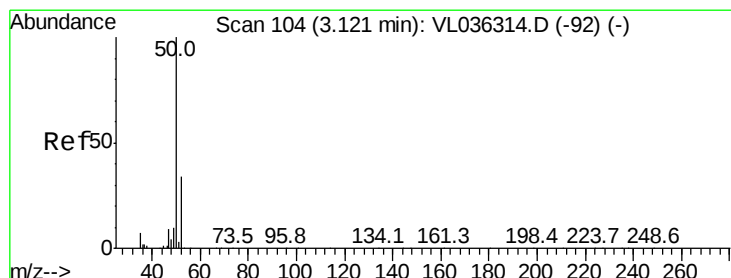
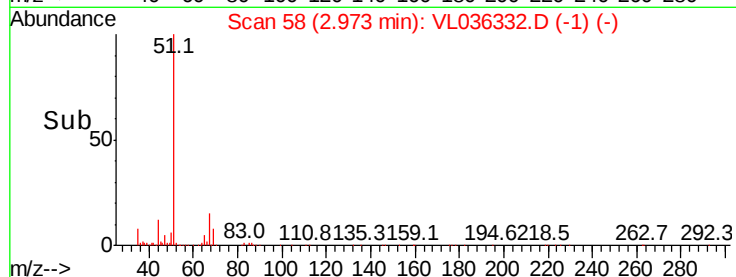
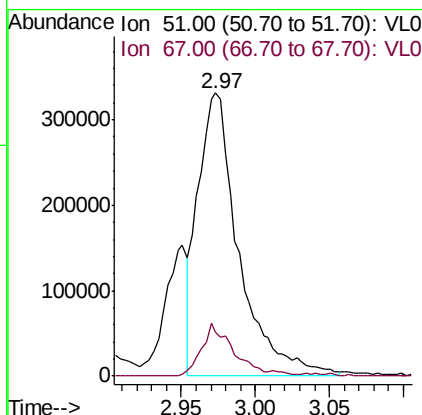
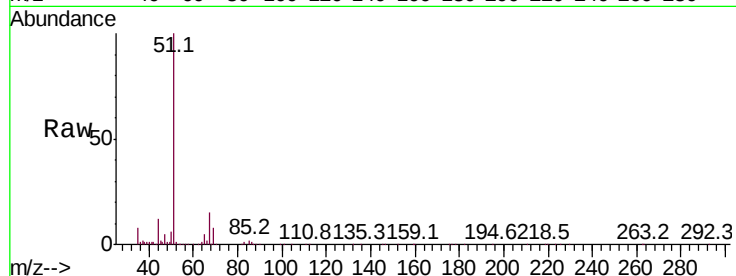
Chlorodifluoromethane
 Concen: 3.085 ppbv
 RT: 2.97 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VL036332.D
 Acq: 11 Feb 2021 00:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6B

Tot Ion	Ratio	Lower	Upper
51	100		
67	15.8	14.7	22.1

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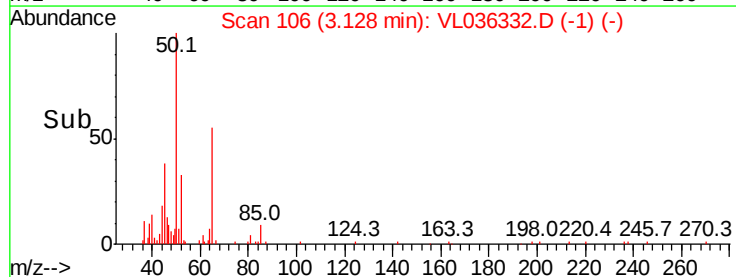
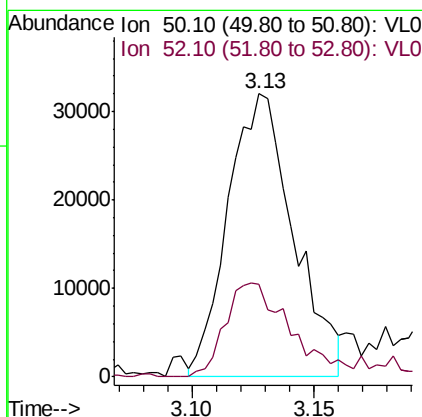
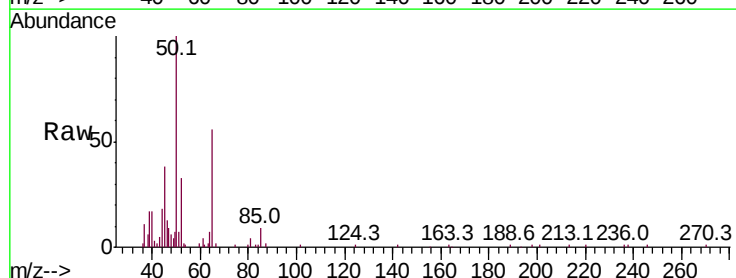
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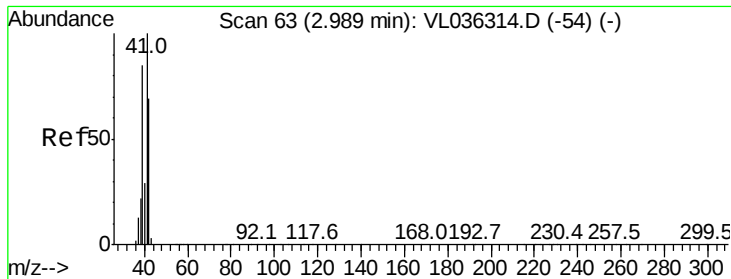


#4

Chloromethane
 Concen: 0.599 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. 0.01 min
 Lab File: VL036332.D
 Acq: 11 Feb 2021 00:34

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.0	40.4





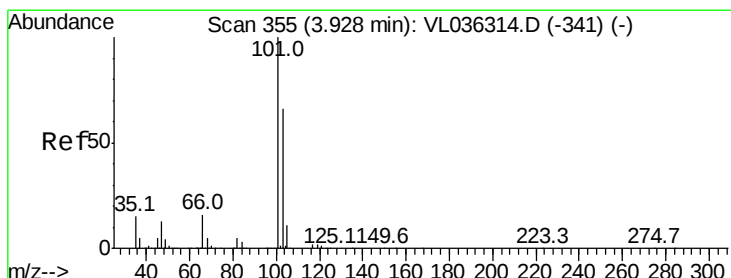
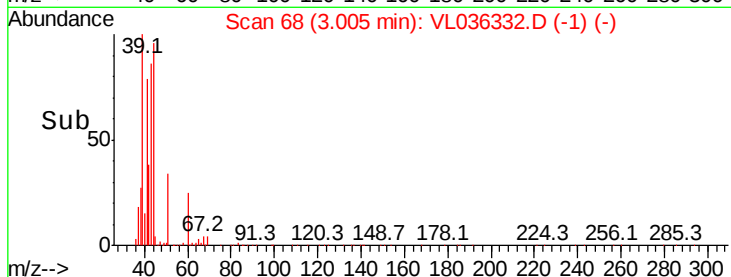
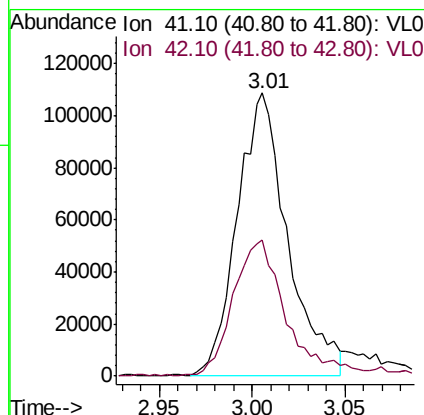
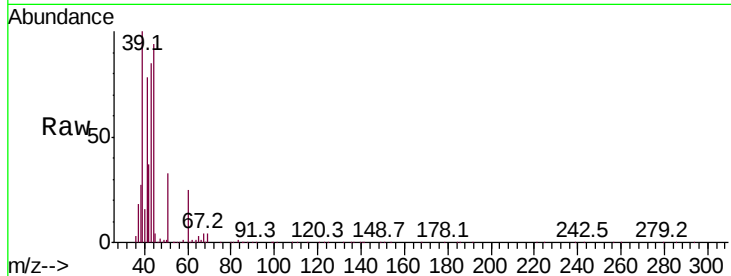
#9
 Propene
 Concen: 2.668 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.02 min
 Lab File: VL036332.D
 Acq: 11 Feb 2021 00:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6B

Tot Ion: 41 Resp: 205265
 Ion Ratio Lower Upper
 41 100
 42 52.9 56.2 84.2#

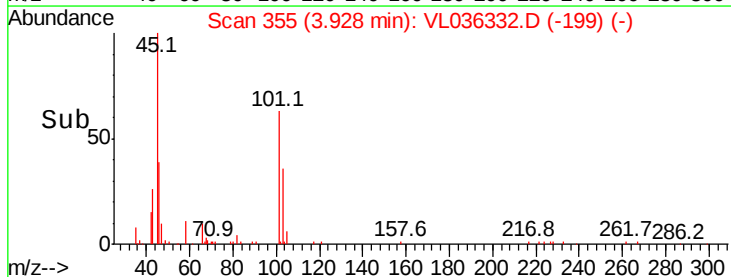
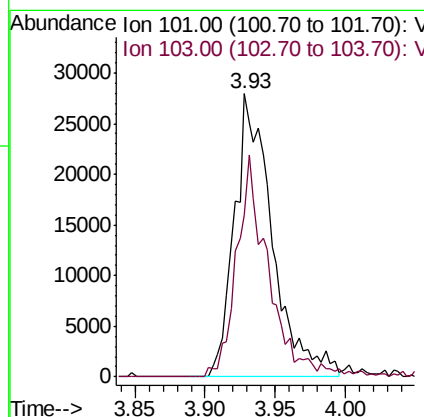
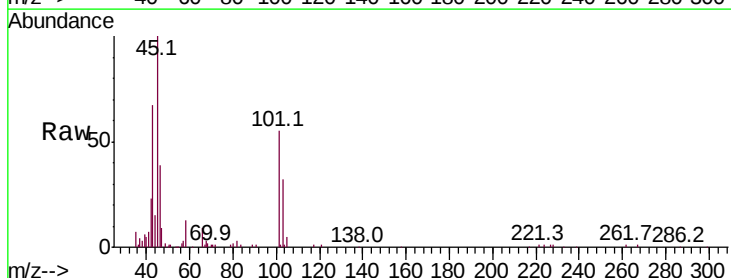
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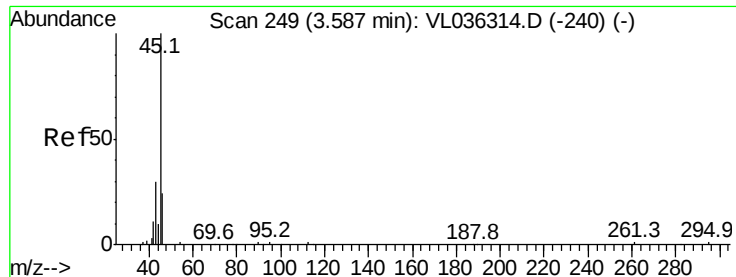
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#11
 Trichlorofluoromethane
 Concen: 0.215 ppbv m
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL036332.D
 Acq: 11 Feb 2021 00:34

Tgt Ion: 101 Resp: 52072
 Ion Ratio Lower Upper
 101 100
 103 57.2 52.9 79.3





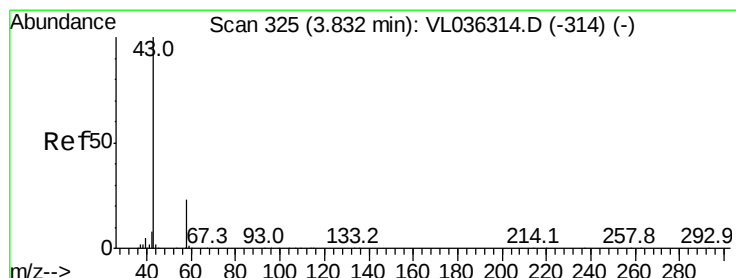
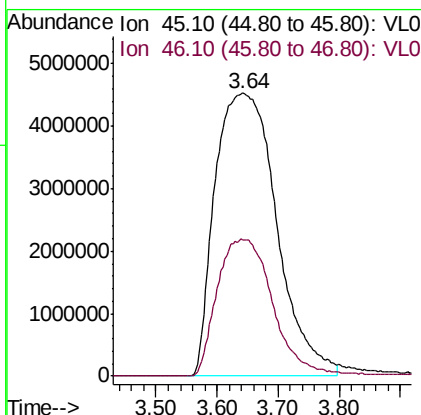
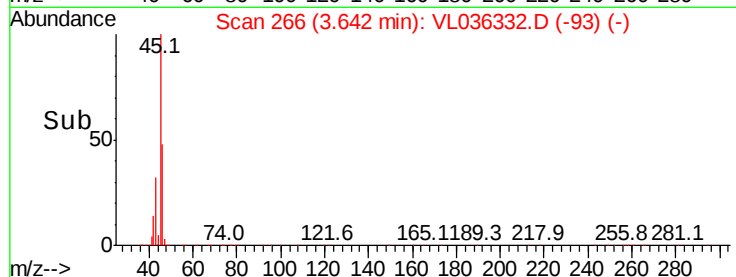
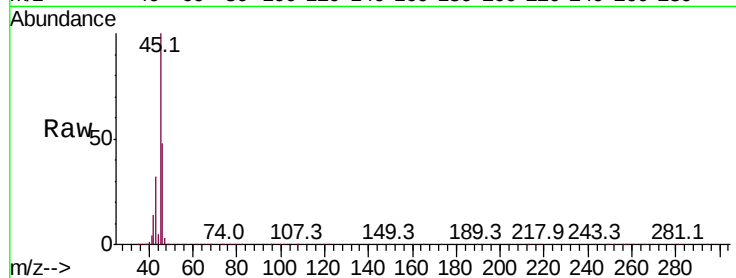
#13
Ethanol
Concen: 2200.373 ppbv
RT: 3.64 min Scan# 266
Delta R.T. 0.05 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Instrument :
MSVOA_L
ClientSampleId :
SR-6B

Tot Ion: 45 Resp: 31791631
Ion Ratio Lower Upper
45 100
46 44.3 17.7 70.7

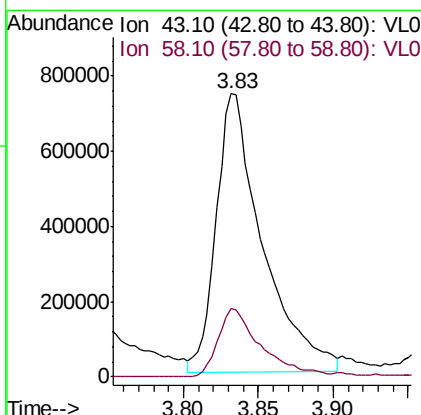
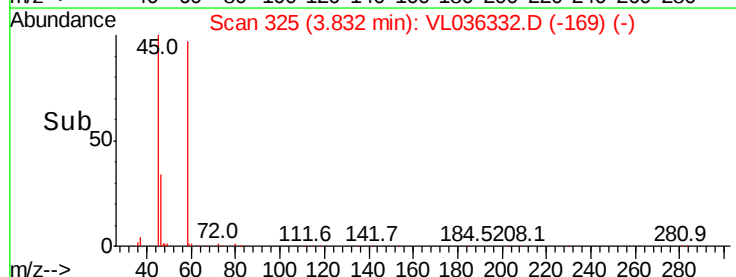
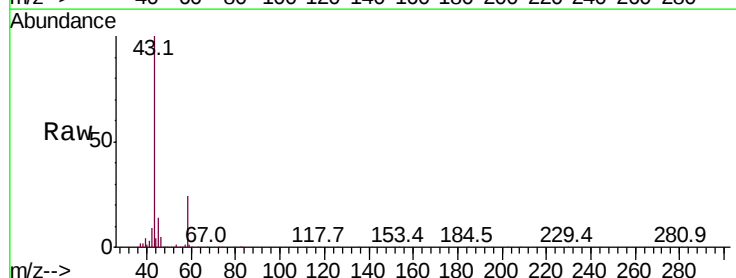
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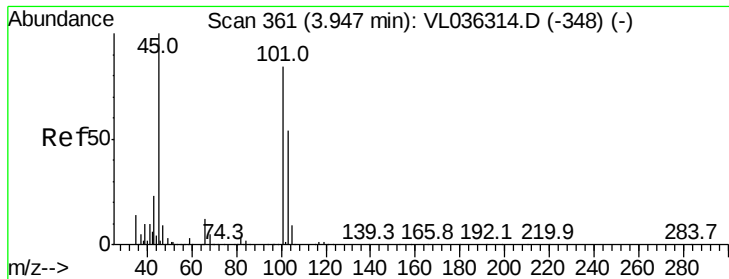
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#15
Acetone
Concen: 7.872 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Tgt Ion: 43 Resp: 1597883
Ion Ratio Lower Upper
43 100
58 24.0 20.3 30.5





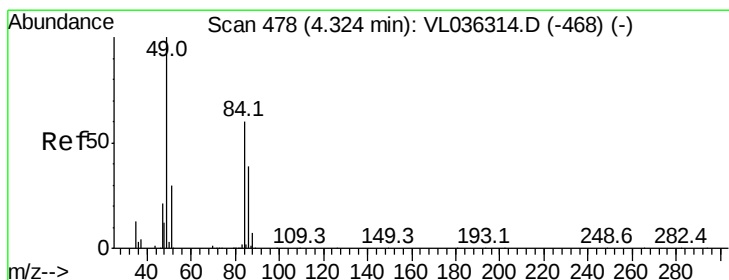
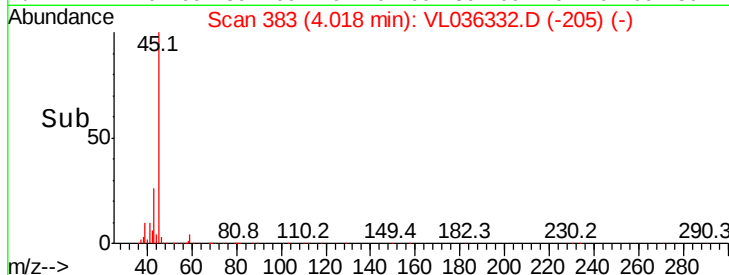
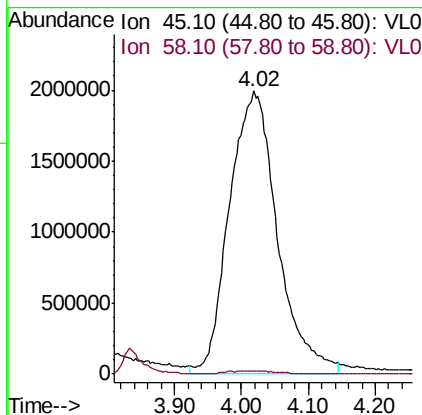
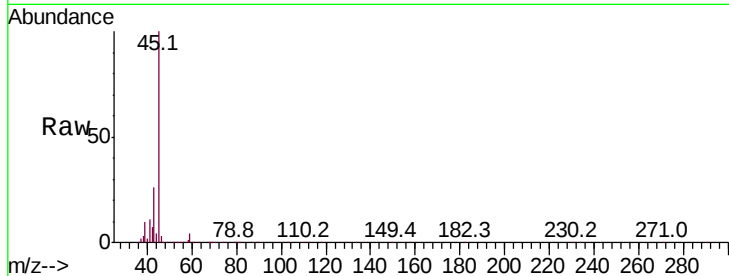
#19
Isopropyl Alcohol
Concen: 88.617 ppbv m
RT: 4.02 min Scan# 383
Delta R.T. 0.07 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Instrument :
MSVOA_L
ClientSampleId :
SR-6B

Tot Ion: 45 Resp: 9965166
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

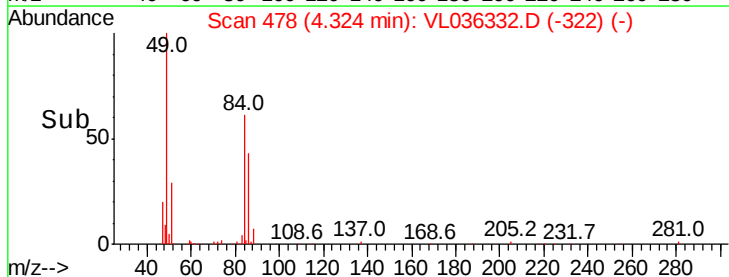
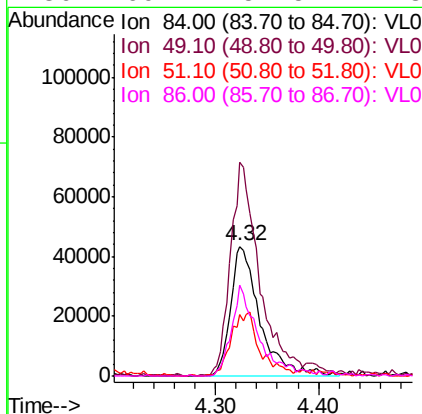
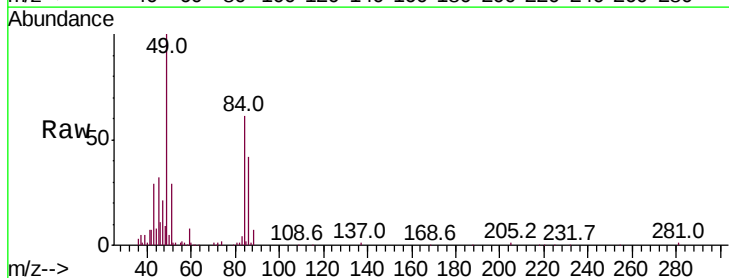
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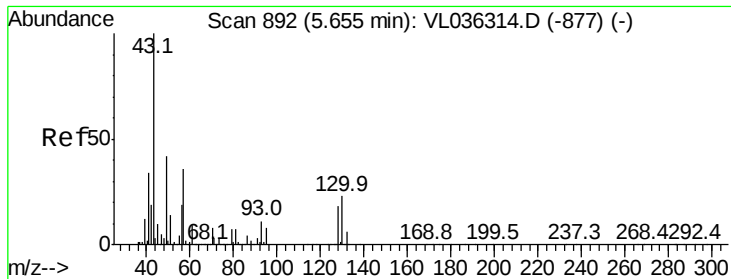
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#20
Methylene Chloride
Concen: 1.308 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Tgt Ion: 84 Resp: 85662
Ion Ratio Lower Upper
84 100
49 164.8 133.8 200.8
51 47.3 41.4 62.0
86 69.7 51.5 77.3





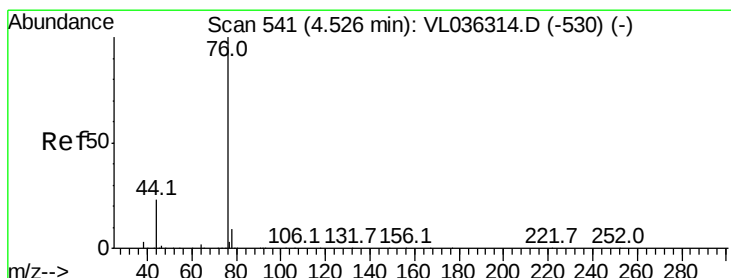
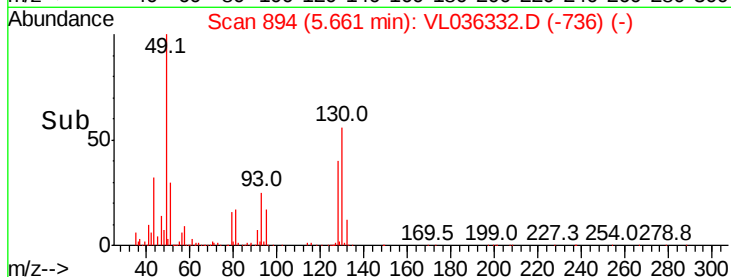
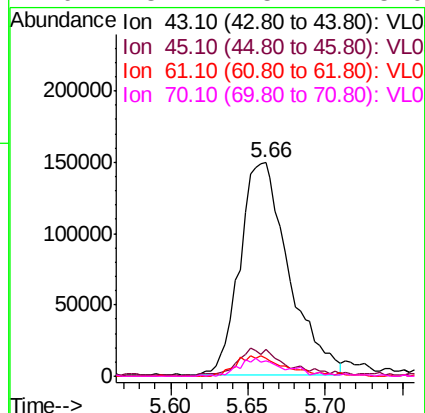
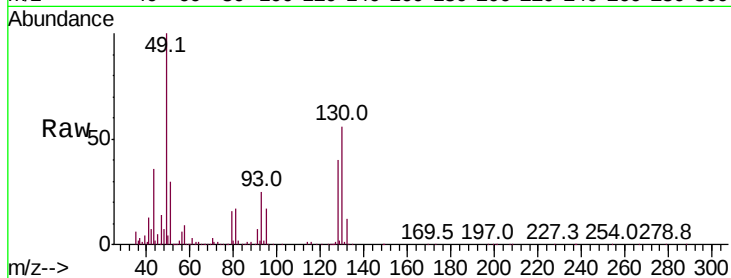
#25
Ethyl Acetate
Concen: 0.840 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Instrument :
MSVOA_L
ClientSampled :
SR-6B

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.3	8.3	12.5
61	10.3	7.3	10.9
70	8.1	5.4	8.0#

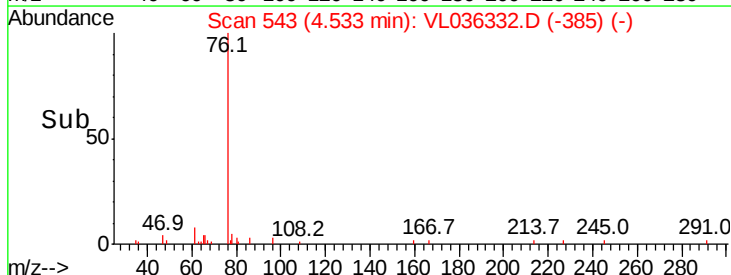
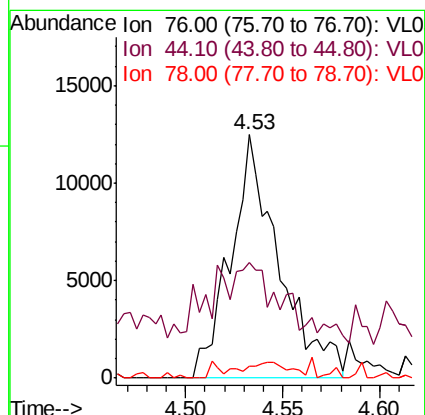
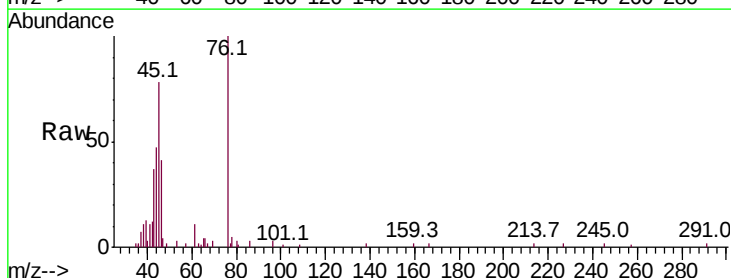
Manual Integrations
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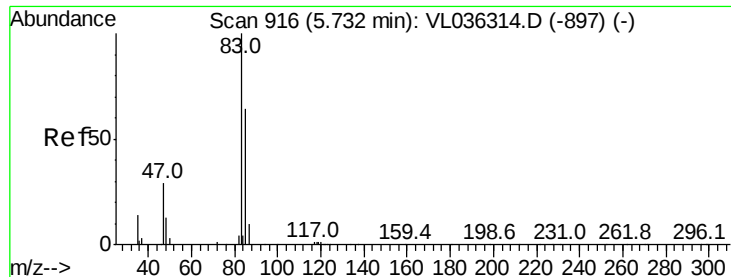
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#27
Carbon Disulfide
Concen: 0.146 ppbv m
RT: 4.53 min Scan# 543
Delta R.T. 0.01 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Tgt Ion	Ratio	Lower	Upper
76	100		
44	0.0	18.4	27.6#
78	0.0	8.0	12.0#





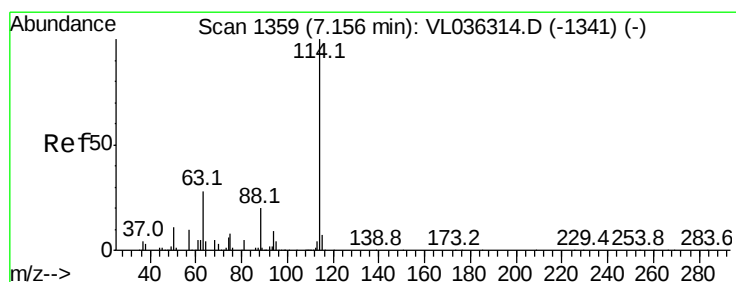
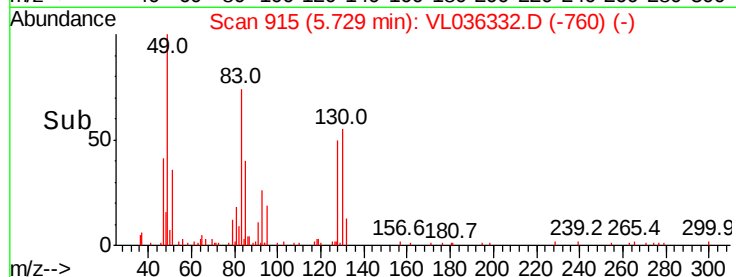
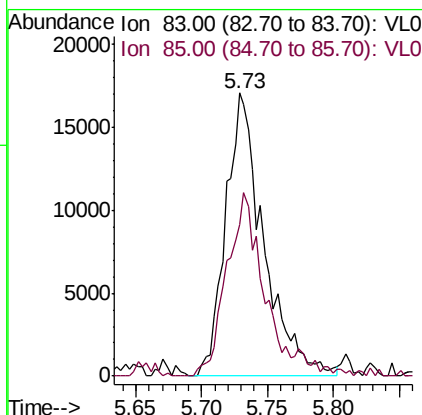
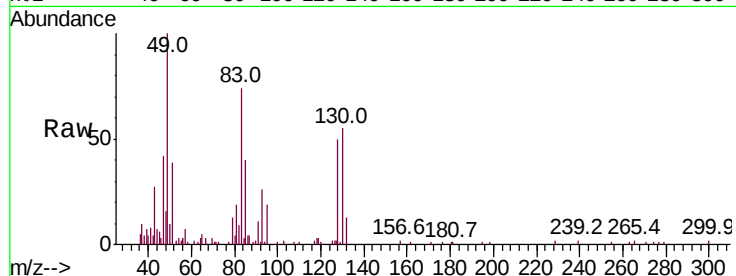
#29
Chloroform
Concen: 0.132 ppbv m
RT: 5.73 min Scan# 915
Delta R.T. -0.00 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Instrument :
MSVOA_L
ClientSampleId :
SR-6B

Tot Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.4	77.2

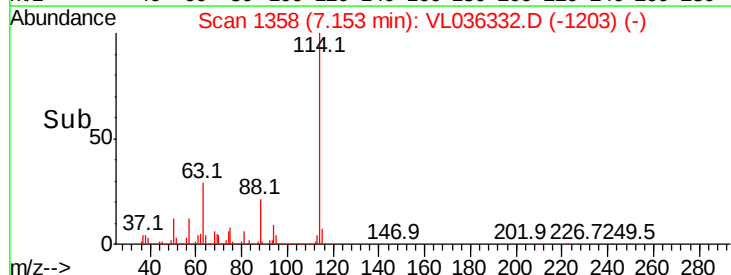
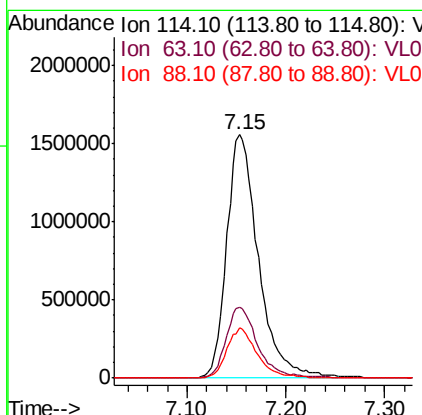
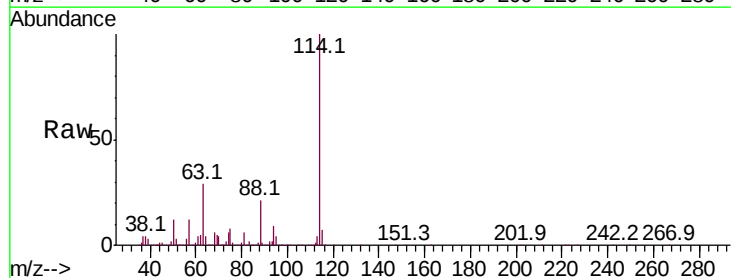
Manual Integrations
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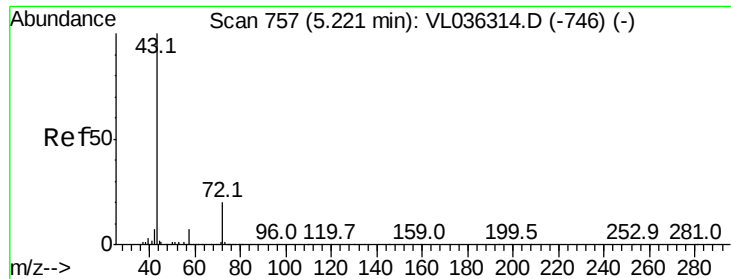
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	20.1	16.0	24.0





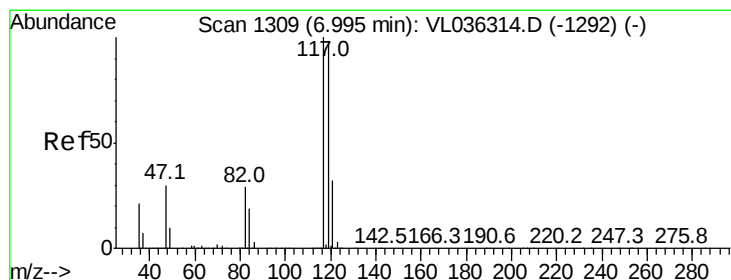
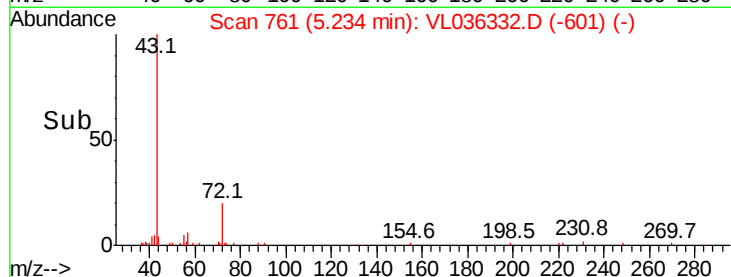
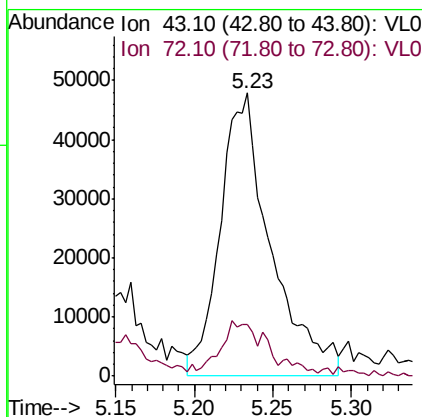
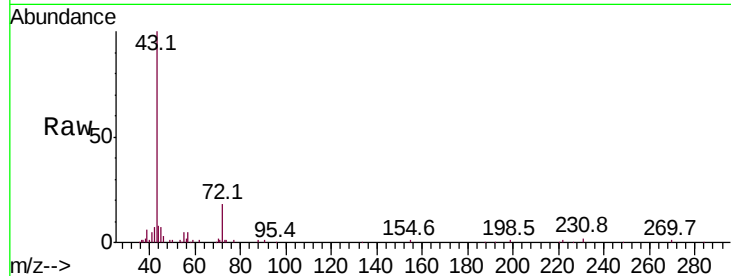
#34
2-Butanone
Concen: 0.457 ppbv m
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Instrument :
MSVOA_L
ClientSampleId :
SR-6B

Tot Ion: 43 Resp: 106545
Ion Ratio Lower Upper
43 100
72 19.1 16.7 25.1

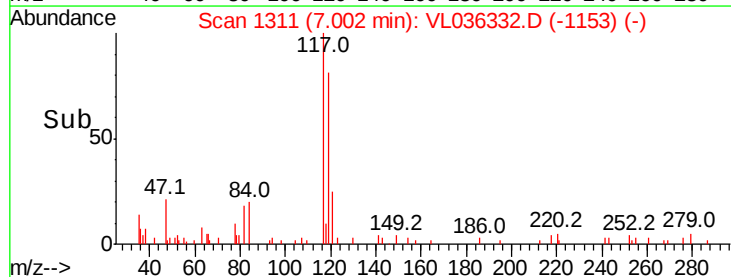
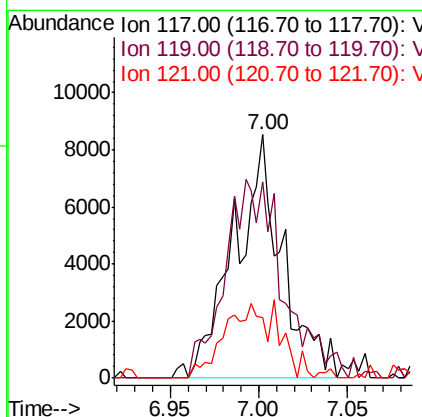
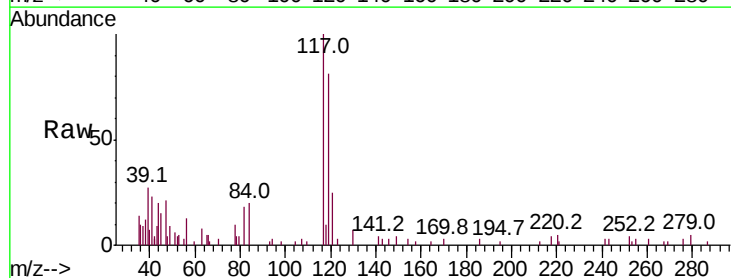
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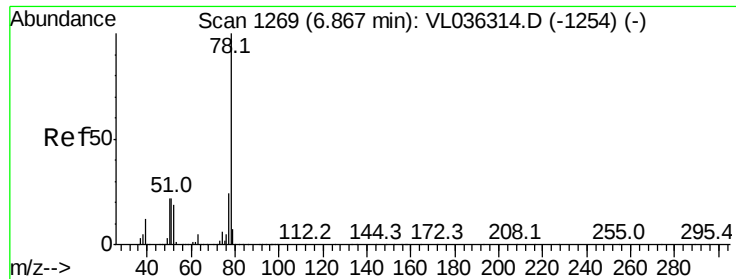
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#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. 0.01 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Tgt Ion: 117 Resp: 16044
Ion Ratio Lower Upper
117 100
119 80.6 78.1 117.1
121 24.8 25.8 38.8#





#36

Benzene

Concen: 2.273 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL036332.D

Acq: 11 Feb 2021 00:34

Instrument :

MSVOA_L

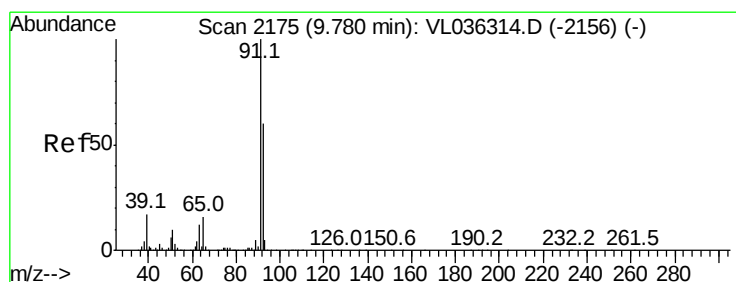
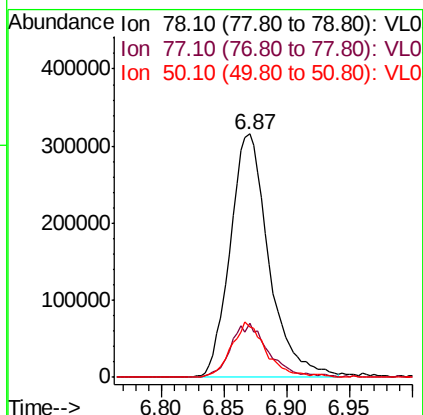
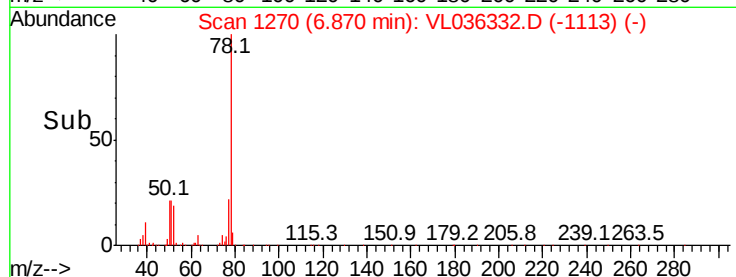
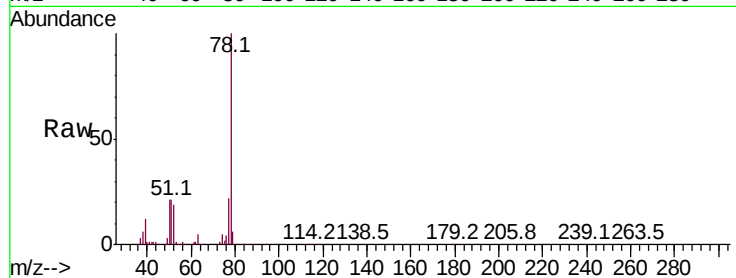
ClientSampleId :

SR-6B

Tot Ion:	78	Resp:	676865
Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.9	28.3
50	20.8	17.3	25.9

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#53

Toluene

Concen: 0.618 ppbv

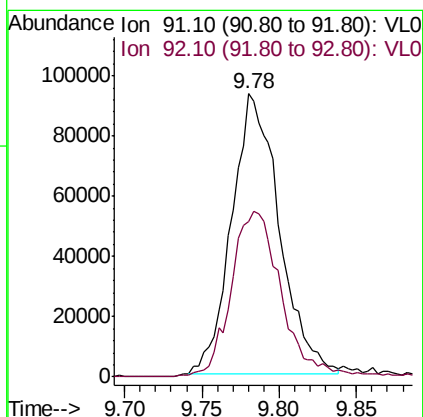
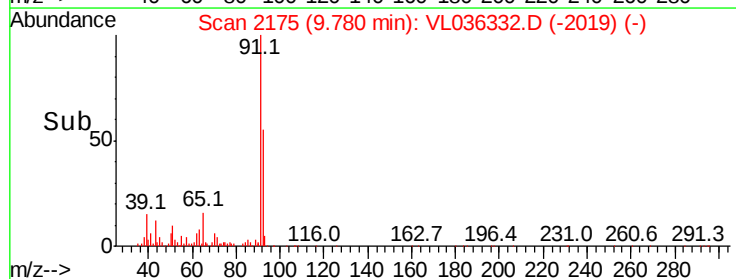
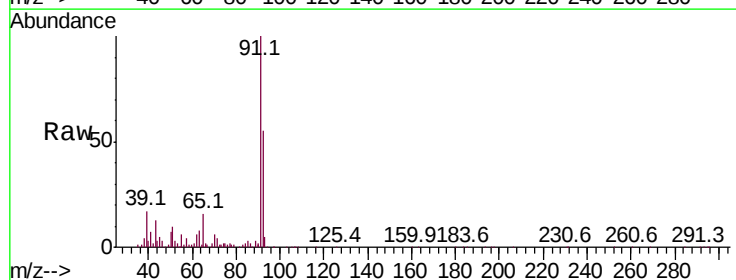
RT: 9.78 min Scan# 2175

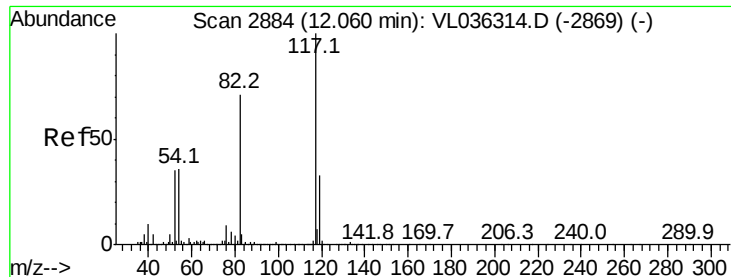
Delta R.T. 0.00 min

Lab File: VL036332.D

Acq: 11 Feb 2021 00:34

Tgt Ion:	91	Resp:	199216
Ion	Ratio	Lower	Upper
91	100		
92	62.8	48.6	72.8





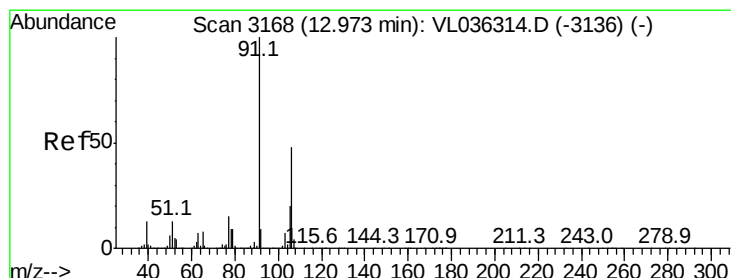
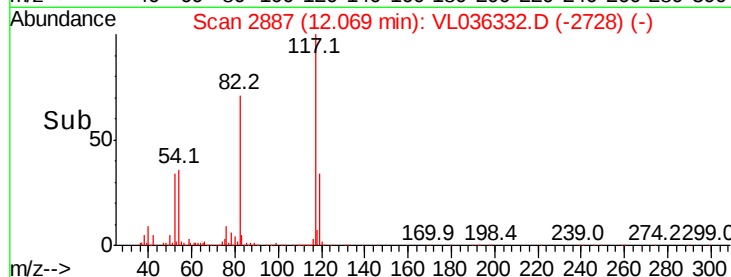
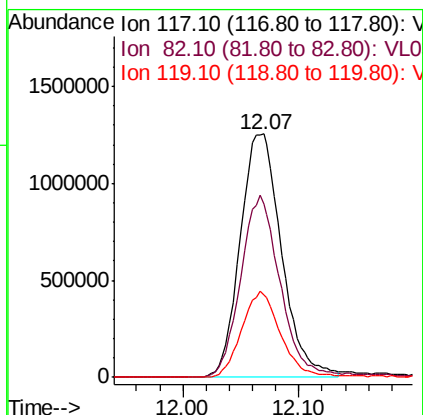
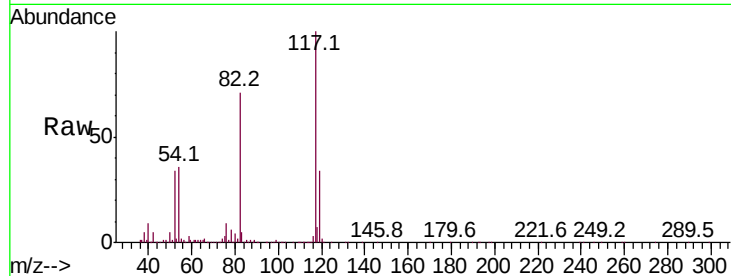
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Instrument :
MSVOA_L
ClientSampleId :
SR-6B

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.9	59.1	88.7
119	34.2	46.3	69.5

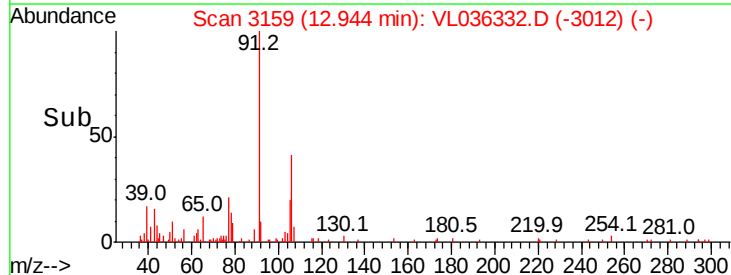
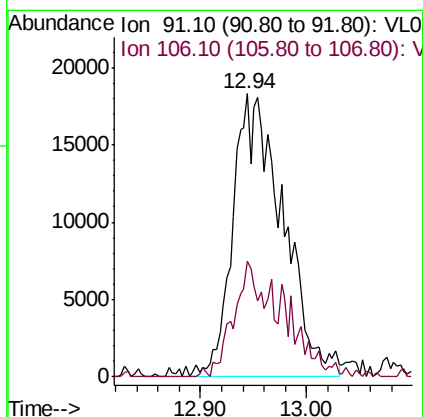
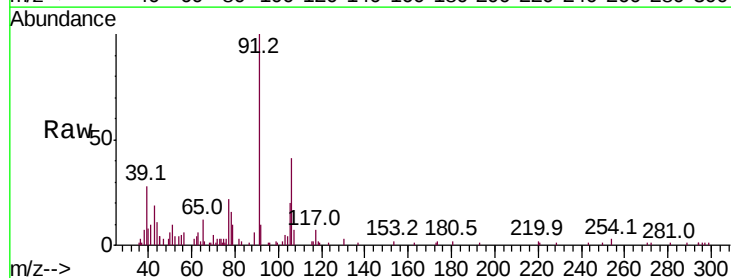
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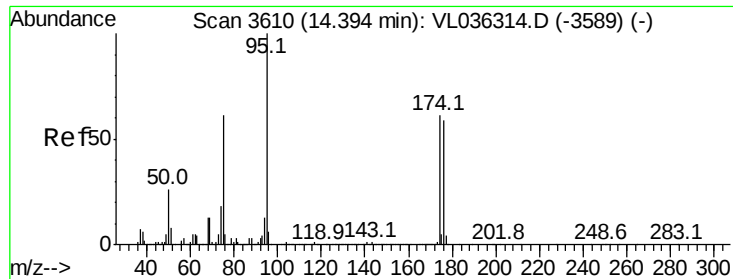
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#59
m/p-Xylene
Concen: 0.161 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.03 min
Lab File: VL036332.D
Acq: 11 Feb 2021 00:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.084 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL036332.D
 Acq: 11 Feb 2021 00:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6B

Tot Ion: 95 Resp: 2582342
 Ion Ratio Lower Upper
 95 100
 174 62.8 49.8 74.6
 175 4.6 3.7 5.5

Manual Integrations
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