

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035229.D
 Acq On : 23 Jul 2020 15:10
 Operator : SY/AP
 Sample : L3216-13 0.1 LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 LOD-MDL-AIR-01-QT3-2020

Manual Integrations
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 7/27/2020 12:29:51 PM

Quant Time: Jul 24 06:34:53 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08

QLast Update : Wed Jul 08 07:05:23 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1150041	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2832380	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2613436	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2175258	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	29144	0.181	ppbv	88
3) Chlorodifluoromethane	2.94	51	18798	0.148	ppbv #	87
4) Chloromethane	3.09	50	11421m	0.160	ppbv	
5) Vinyl Chloride	3.21	62	8901	0.116	ppbv #	84
6) Bromomethane	3.43	94	6588	0.152	ppbv #	57
7) Chloroethane	3.52	64	3716m	0.137	ppbv	
8) Dichlorotetrafluoroethane	3.14	85	26626	0.151	ppbv	97
9) Propene	2.97	41	7699m	0.160	ppbv	
10) Heptane	8.13	43	7952m	0.065	ppbv	
11) Trichlorofluoromethane	3.92	101	26502m	0.146	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.46	101	20639	0.161	ppbv	97
13) Ethanol	3.59	45	4689m	0.307	ppbv	
14) Bromoethene	3.70	108	6960m	0.132	ppbv	
15) Acetone	3.84	43	48858	0.314	ppbv #	81
16) 1,3-Butadiene	3.28	39	7787m	0.130	ppbv	
17) tert-Butyl alcohol	4.30	59	21739m	0.158	ppbv	
18) 1,1-Dichloroethene	4.26	96	9342m	0.165	ppbv	
19) Isopropyl Alcohol	3.96	45	15889m	0.169	ppbv	
20) Methylene Chloride	4.32	84	22199m	0.328	ppbv	
21) Allyl Chloride	4.38	41	12308m	0.136	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	9873m	0.175	ppbv	
23) Vinyl Acetate	5.06	43	18177m	0.108	ppbv	
24) 1,1-Dichloroethane	4.99	63	20464m	0.141	ppbv	
25) Ethyl Acetate	5.67	43	26671m	0.110	ppbv	
26) Hexane	5.68	57	10623m	0.100	ppbv	
27) Carbon Disulfide	4.53	76	21050m	0.141	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	13941m	0.086	ppbv	
29) Chloroform	5.74	83	24216	0.136	ppbv	86
30) Cyclohexane	7.17	84	13424m	0.170	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	8460m	0.084	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	21927m	0.122	ppbv	
34) 2-Butanone	5.24	43	17010m	0.113	ppbv	
35) Carbon Tetrachloride	7.02	117	23179m	0.126	ppbv	
36) Benzene	6.88	78	15941m	0.078	ppbv	
37) 1,2-Dichloroethane	6.29	62	15641	0.114	ppbv	99
38) Trichloroethene	7.84	130	8270m	0.099	ppbv	
39) 1,2-Dichloropropane	7.62	63	9804m	0.120	ppbv	
40) 1,4-Dioxane	7.91	88	1531m	0.047	ppbv	
41) Tetrahydrofuran	6.08	42	6446m	0.085	ppbv	
42) Bromodichloromethane	7.80	83	22637m	0.123	ppbv	
43) Methyl Methacrylate	8.01	69	5414m	0.062	ppbv	

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 LOD-MDL-AIR-01-QT3-2020

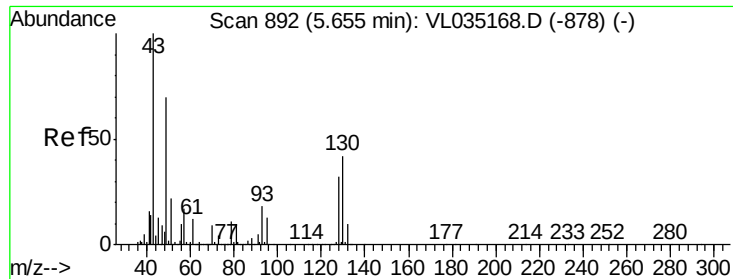
Manual Integrations
 APPROVED

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 7/27/2020 12:29:51 PM

Quant Time: Jul 24 06:34:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	21771m	0.062	ppbv	
45) t-1,3-Dichloropropene	9.28	75	7231m	0.079	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	7138m	0.066	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	10128m	0.113	ppbv	
48) Dibromochloromethane	10.32	129	12716m	0.088	ppbv	
49) Bromoform	13.08	173	13120m	0.103	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	15437m	0.071	ppbv	
51) 2-Hexanone	10.17	43	10332m	0.062	ppbv	
52) Tetrachloroethene	11.24	164	8206m	0.107	ppbv	
53) Toluene	9.81	91	13025m	0.060	ppbv	
54) 1,2-Dibromoethane	10.63	107	11506	0.087	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.15	131	15300m	0.132	ppbv	
57) Chlorobenzene	12.17	112	26514m	0.138	ppbv	
58) Ethyl Benzene	12.73	91	16355m	0.057	ppbv	
59) m/p-Xylene	13.00	91	30411m	0.118	ppbv	
60) o-Xylene	13.72	91	14859m	0.058	ppbv	
61) Styrene	13.55	104	8764m	0.055	ppbv	
62) Isopropylbenzene	14.70	105	22741	0.060	ppbv	# 83
63) 1,1,2,2-Tetrachloroethane	13.71	83	26294m	0.123	ppbv	
64) n-propylbenzene	15.59	120	5020m	0.051	ppbv	
65) tert-Butylbenzene	16.78	119	16245m	0.048	ppbv	
66) Benzyl Chloride	17.04	91	14812m	0.122	ppbv	
67) sec-Butylbenzene	17.33	105	34197m	0.069	ppbv	
69) p-Isopropyltoluene	17.69	119	21130m	0.054	ppbv	
70) n-Butylbenzene	18.60	91	23587m	0.057	ppbv	
71) 2-Chlorotoluene	15.49	91	19484m	0.068	ppbv	
72) 4-Ethyltoluene	15.86	105	14735m	0.051	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	14539m	0.052	ppbv	
74) 1,2,4-Trimethylbenzene	16.81	105	15405m	0.050	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	31508m	0.161	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	19104m	0.105	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	16750m	0.095	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	19185m	0.138	ppbv	
79) Naphthalene	22.26	128	11281m	0.057	ppbv	
81) 1,2,4-Trichlorobenzene	22.00	180	9205m	0.073	ppbv	

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



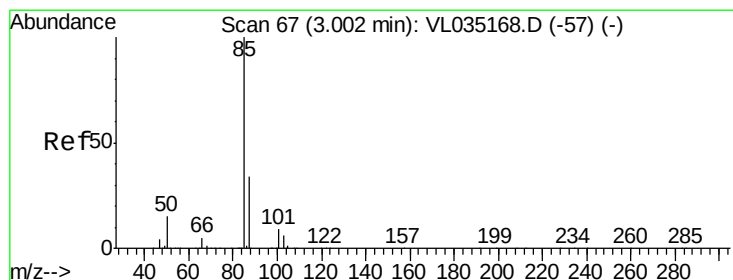
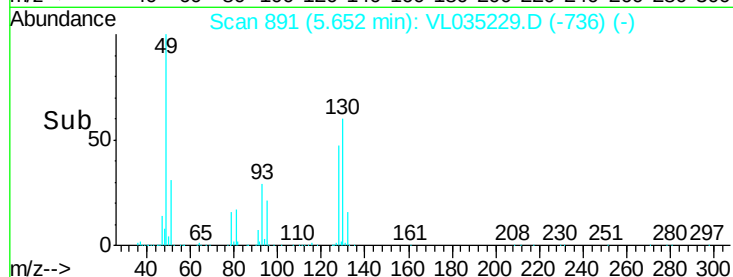
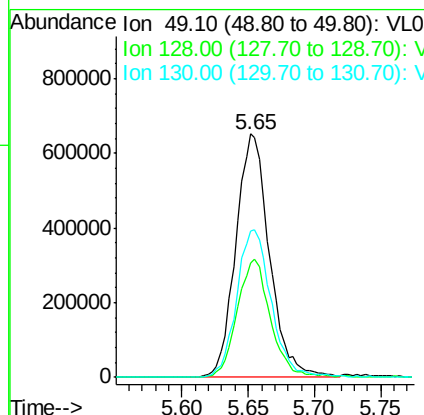
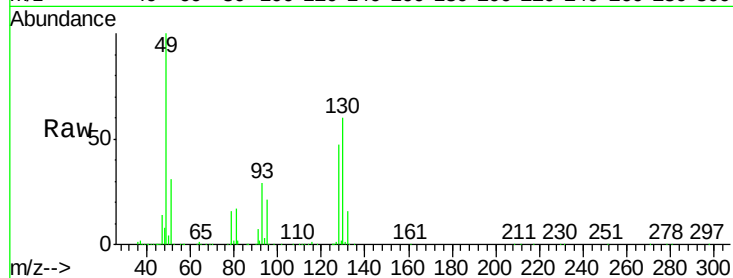
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 49 Resp: 1150041
 Ion Ratio Lower Upper
 49 100
 128 48.0 23.8 71.4
 130 63.1 29.9 89.8

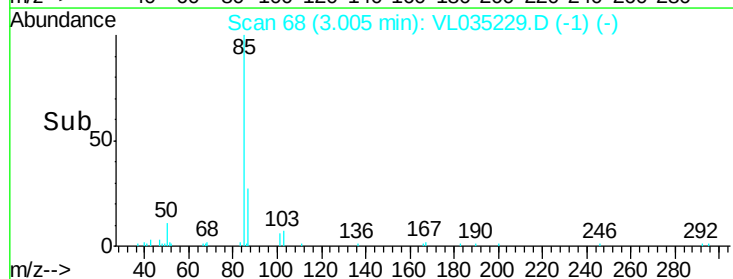
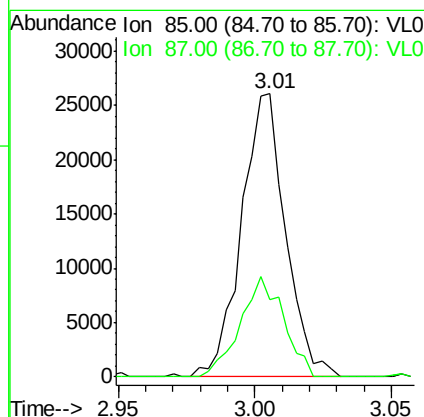
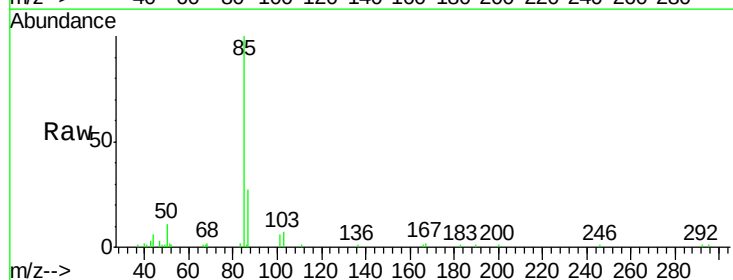
Manual Integrations
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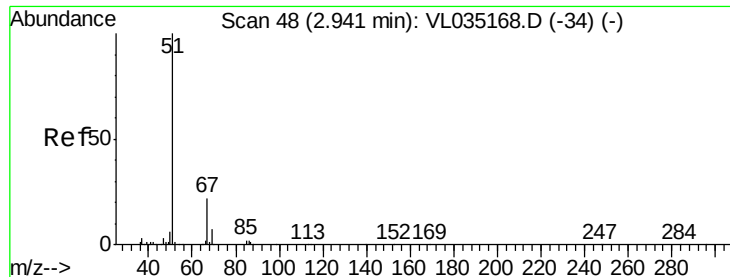
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#2
 Dichlorodifluoromethane
 Concen: 0.181 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion: 85 Resp: 29144
 Ion Ratio Lower Upper
 85 100
 87 27.2 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.148 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 51 Resp: 18798

Ion Ratio Lower Upper

51 100

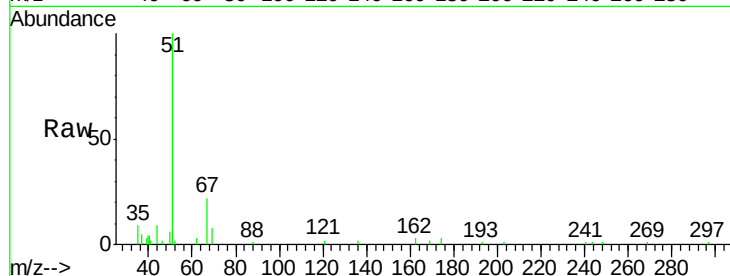
67 26.6 16.6 24.8#

Manual Integrations

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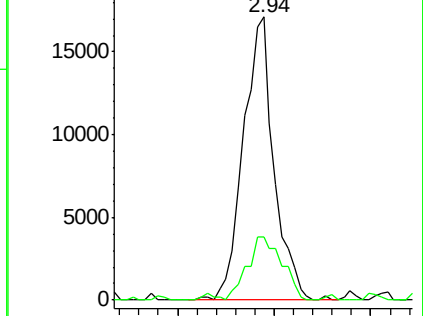
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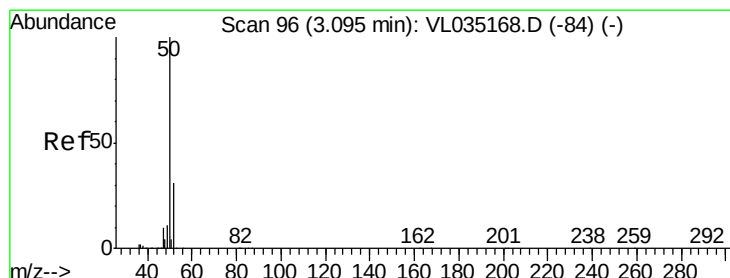
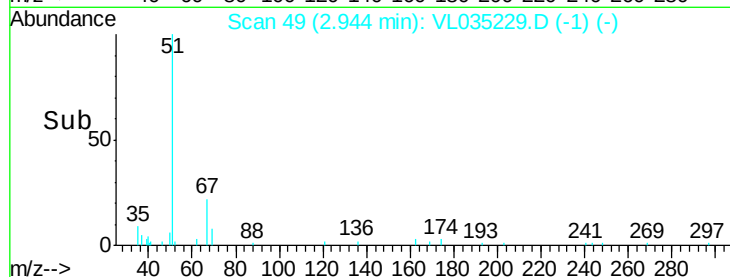


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 0.160 ppbv m

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035229.D

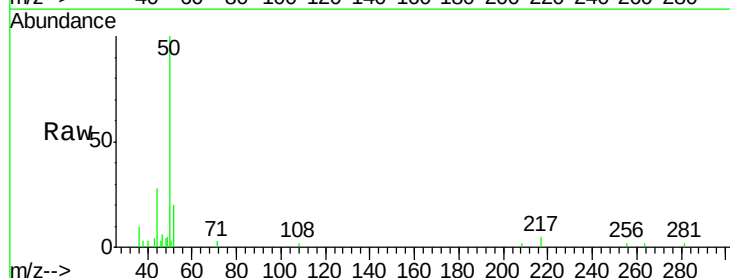
Acq: 23 Jul 2020 15:10

Tgt Ion: 50 Resp: 11421

Ion Ratio Lower Upper

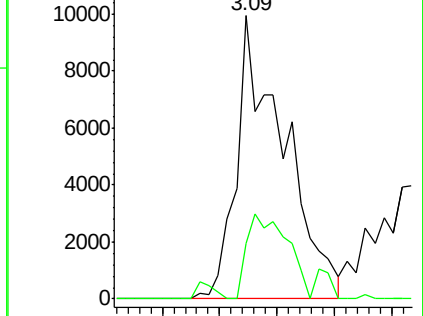
50 100

52 20.1 25.0 37.6#

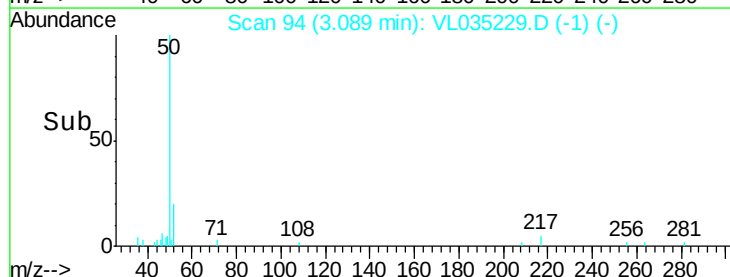


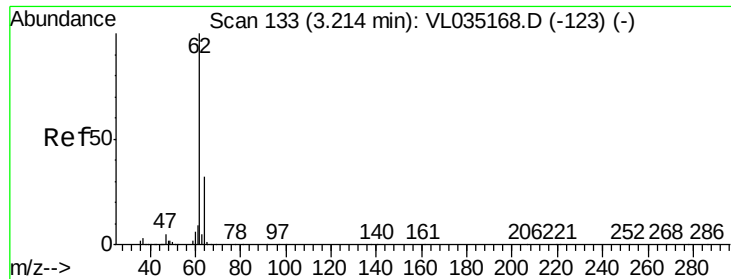
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 0.116 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

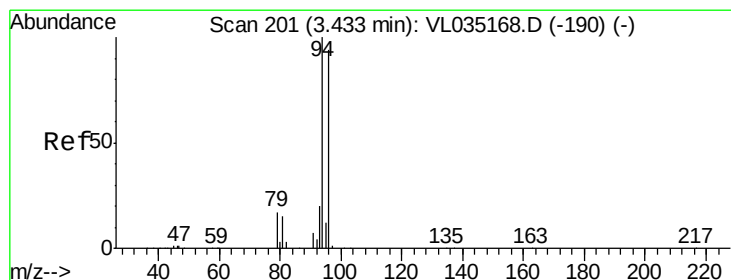
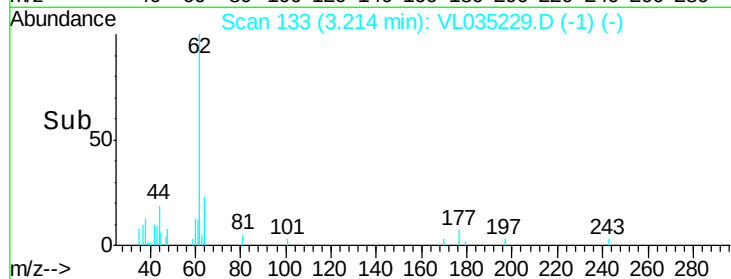
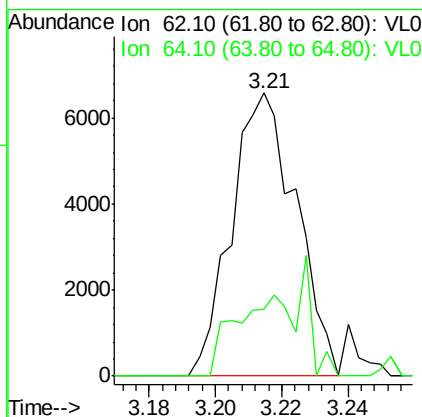
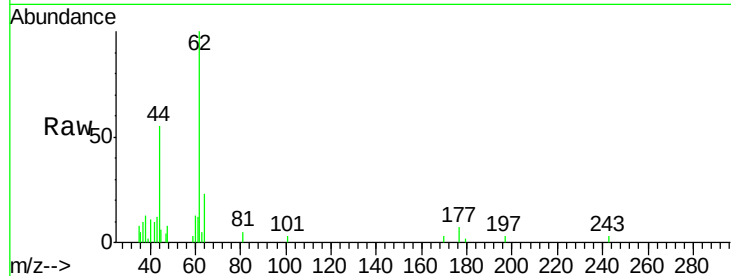
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
62	100		
64	23.5	25.9	38.9#

Manual Integrations
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#6

Bromomethane

Concen: 0.152 ppbv

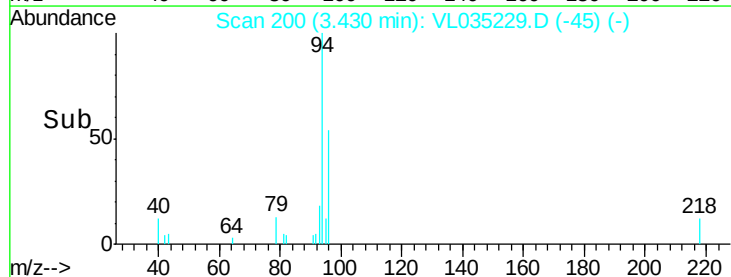
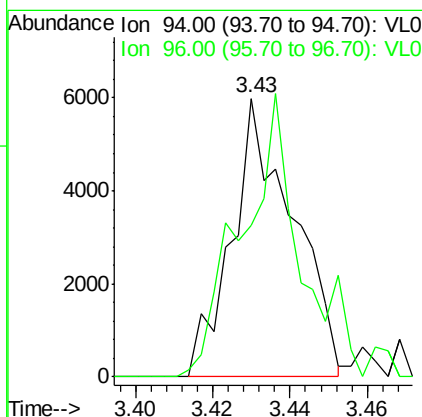
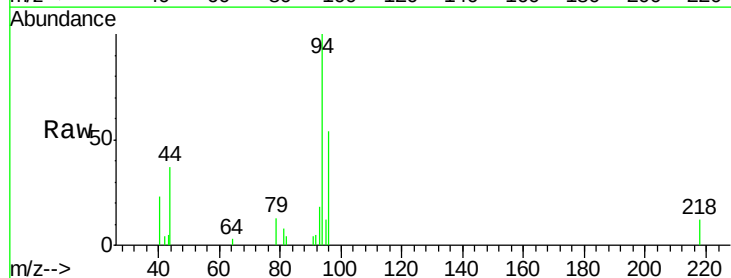
RT: 3.43 min Scan# 200

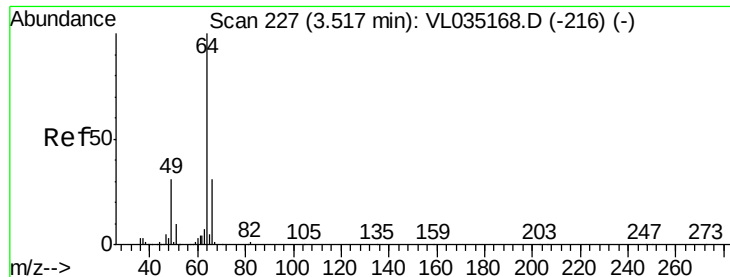
Delta R.T. -0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
94	100		
96	51.7	74.8	112.2#





#7

Chloroethane

Concen: 0.137 ppbv m

RT: 3.52 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 64 Resp: 3716

Ion Ratio Lower Upper

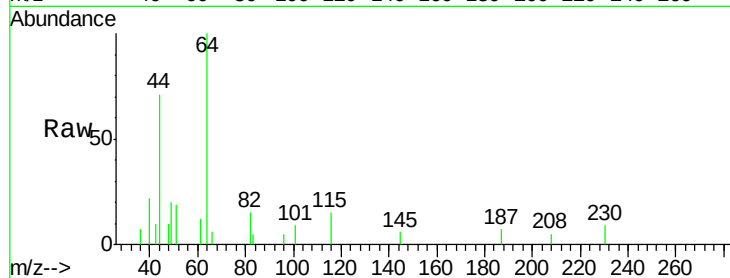
64 100

66 6.4 24.6 36.8#

Manual Integrations
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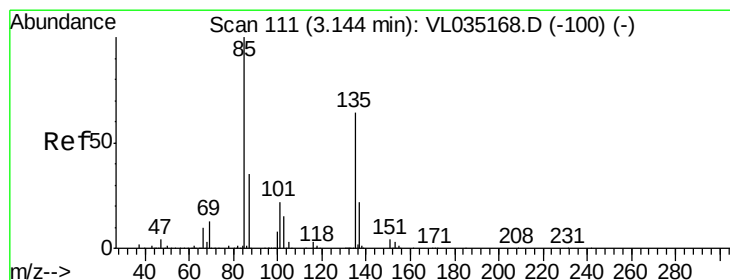
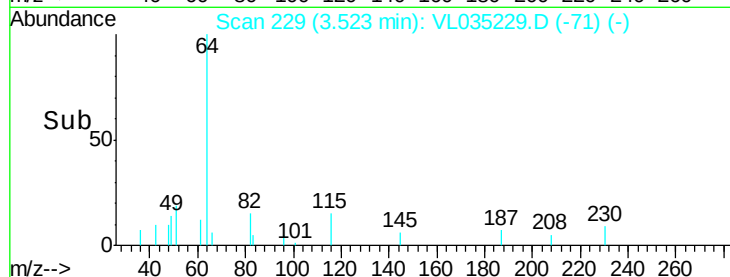
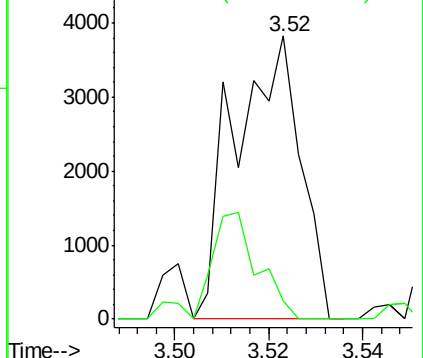
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.151 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035229.D

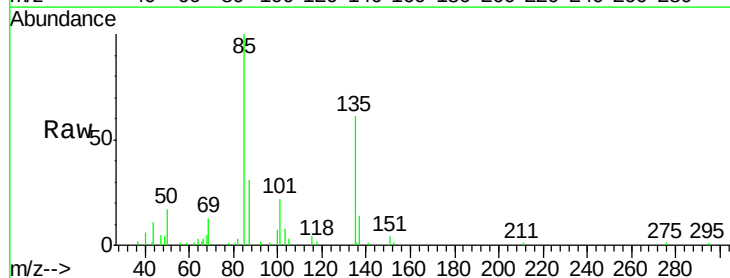
Acq: 23 Jul 2020 15:10

Tgt Ion: 85 Resp: 26626

Ion Ratio Lower Upper

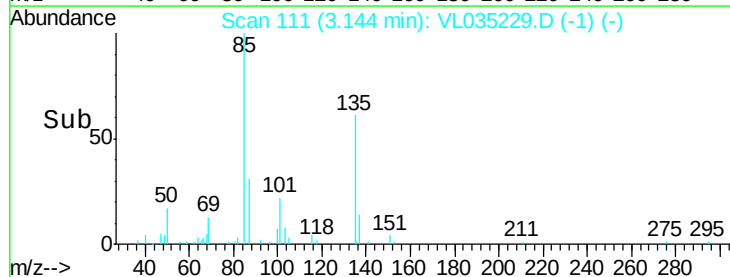
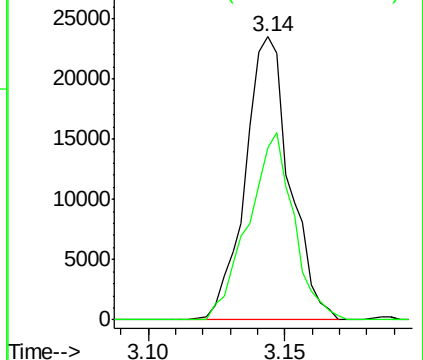
85 100

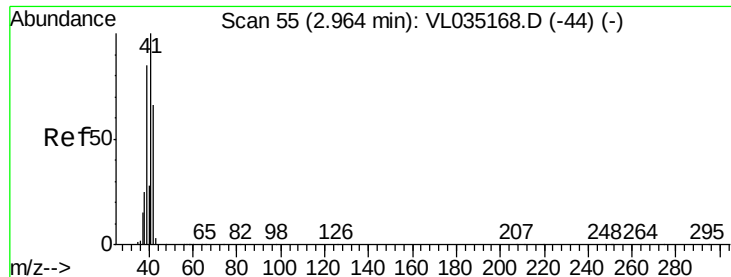
135 67.2 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





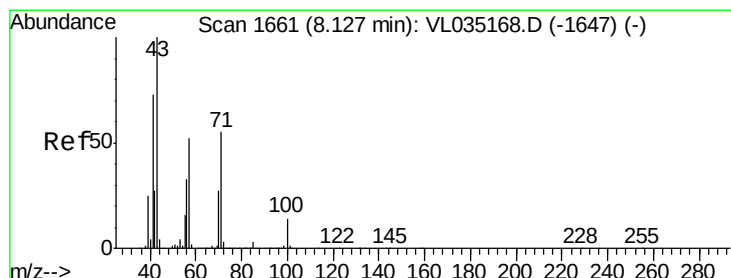
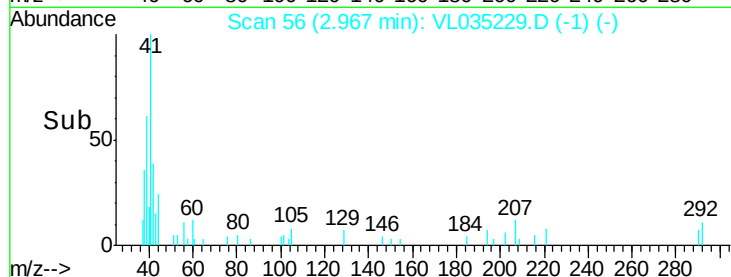
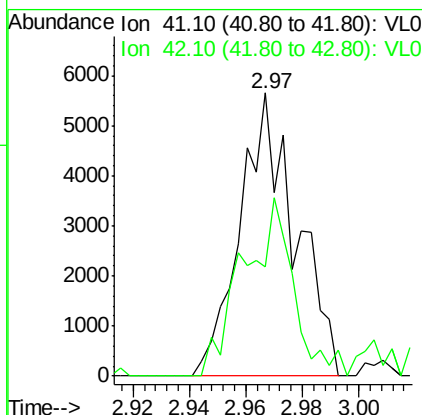
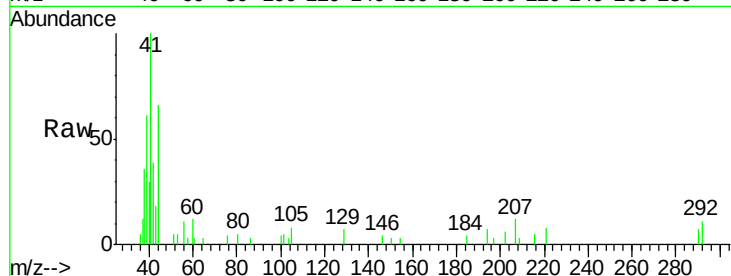
#9
 Propene
 Concen: 0.160 ppbv m
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 41 Resp: 7699
 Ion Ratio Lower Upper
 41 100
 42 2.1 54.6 81.8#

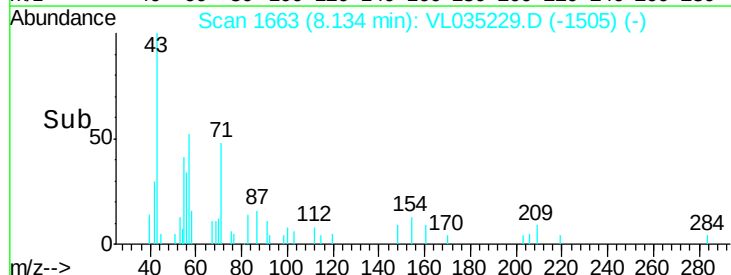
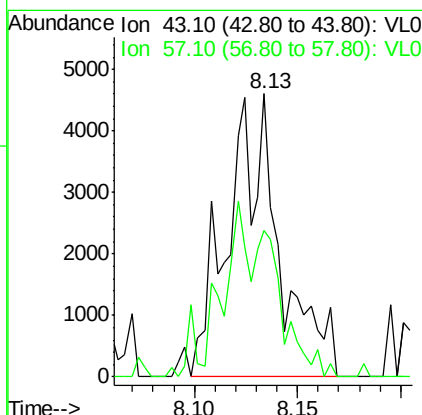
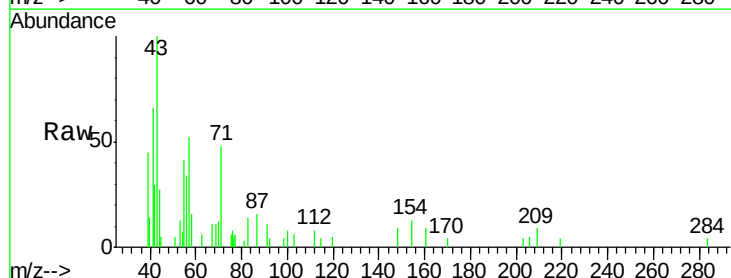
Manual Integrations
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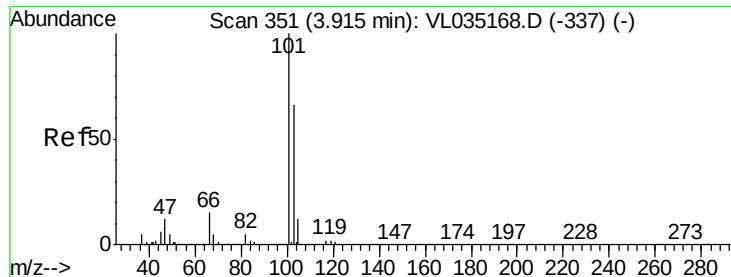
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#10
 Heptane
 Concen: 0.065 ppbv m
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion: 43 Resp: 7952
 Ion Ratio Lower Upper
 43 100
 57 63.2 41.8 62.6#





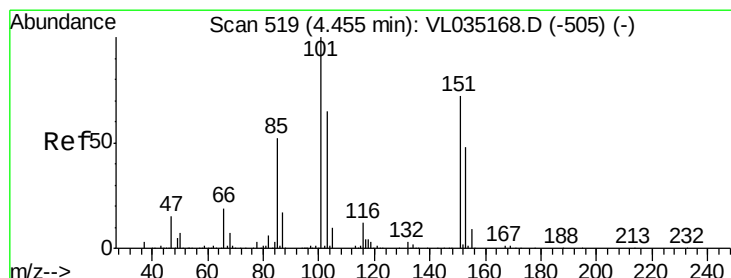
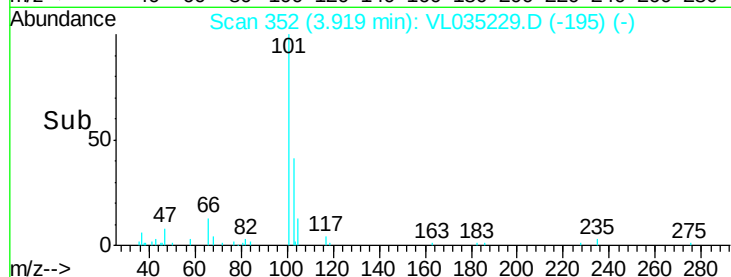
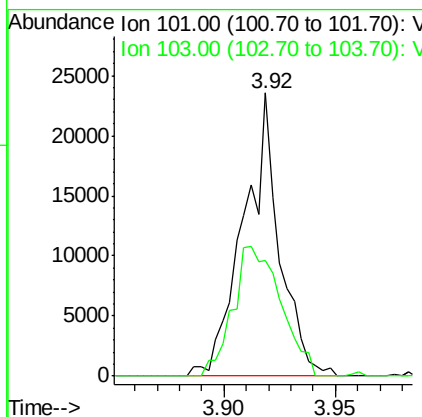
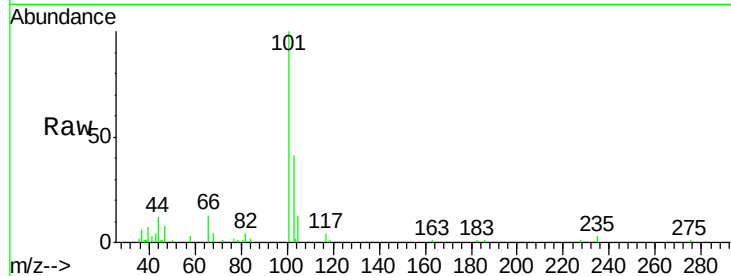
#11
 Trichlorofluoromethane
 Concen: 0.146 ppbv m
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion:101 Resp: 26502
 Ion Ratio Lower Upper
 101 100
 103 40.9 53.1 79.7#

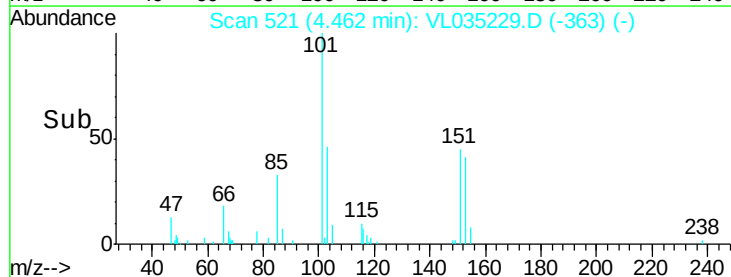
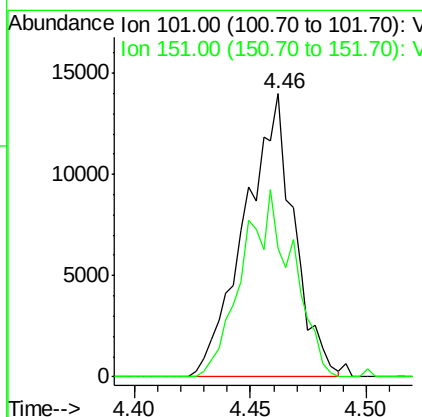
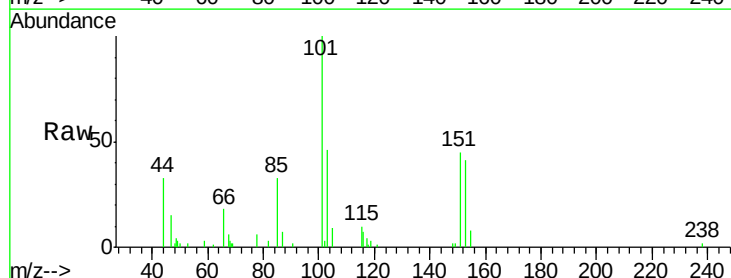
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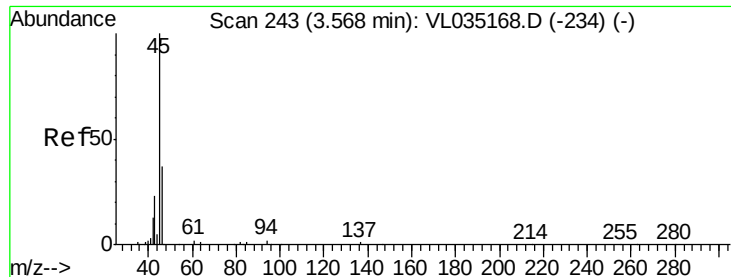
MMDadoda
 7/27/2020 12:29:51 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.161 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion:101 Resp: 20639
 Ion Ratio Lower Upper
 101 100
 151 68.3 57.0 85.4





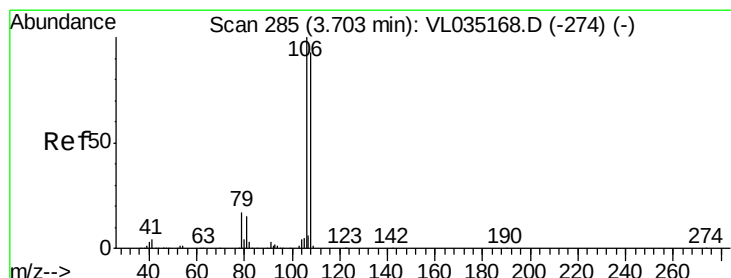
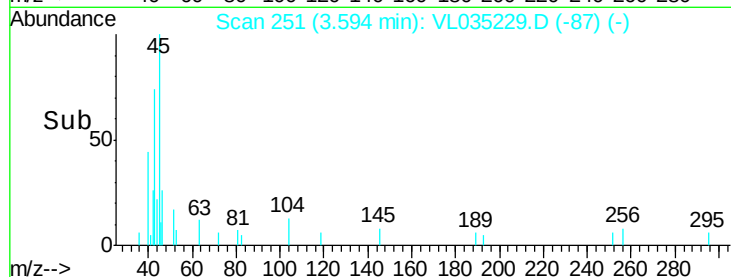
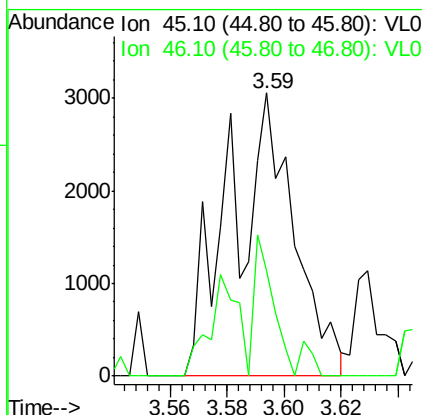
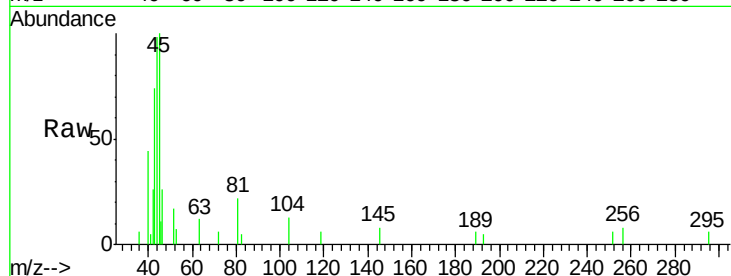
#13
Ethanol
Concen: 0.307 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. 0.03 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 4689
Ion Ratio Lower Upper
45 100
46 0.0 16.2 65.0#

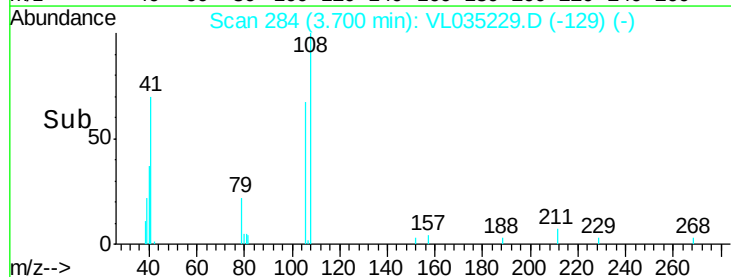
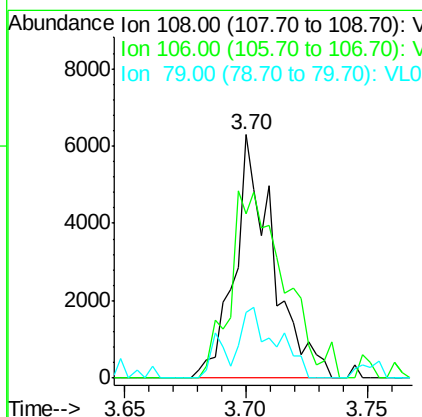
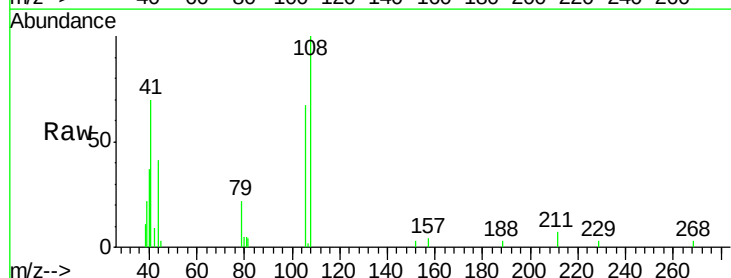
Manual Integrations
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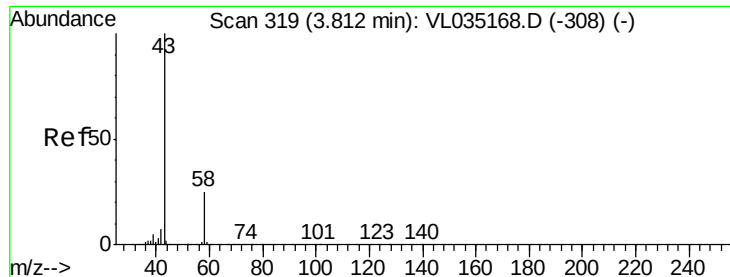
MMDadoda
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#14
Bromoethene
Concen: 0.132 ppbv m
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion: 108 Resp: 6960
Ion Ratio Lower Upper
108 100
106 107.0 86.2 129.2
79 33.2 15.0 22.6#





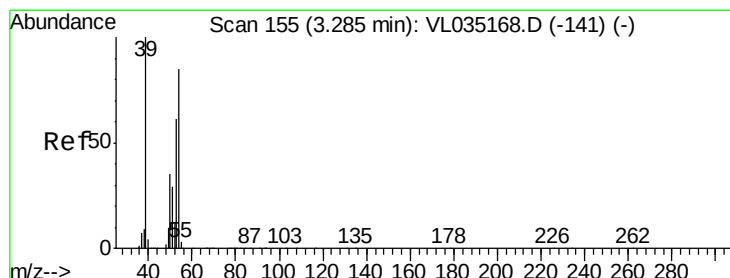
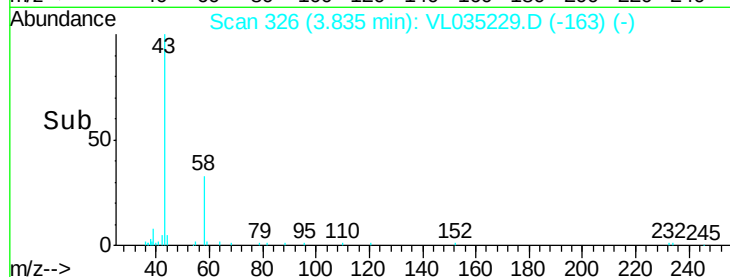
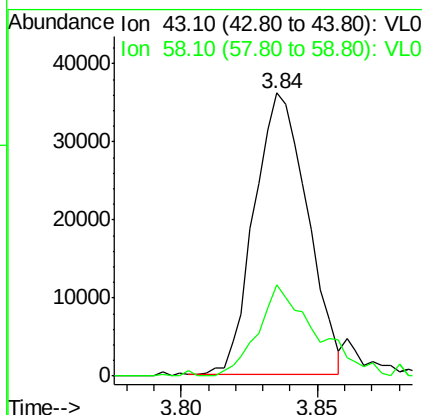
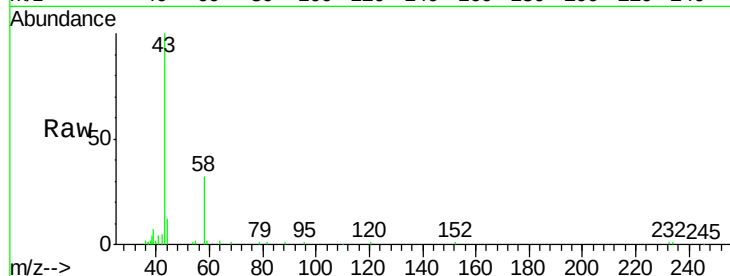
#15
Acetone
Concen: 0.314 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 43 Resp: 48858
Ion Ratio Lower Upper
43 100
58 36.2 21.3 31.9#

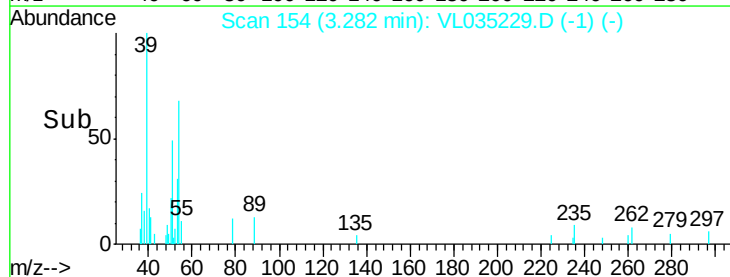
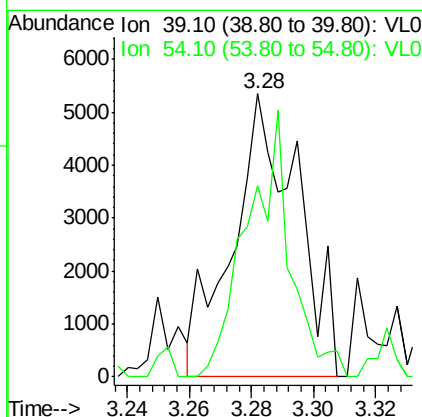
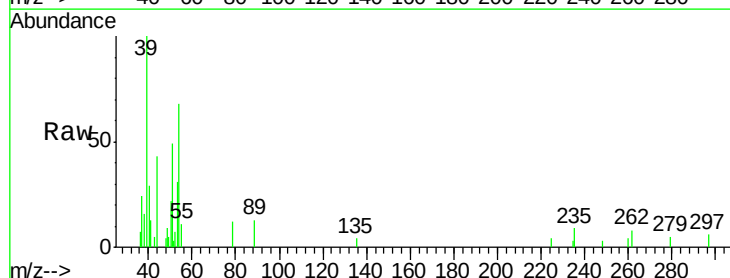
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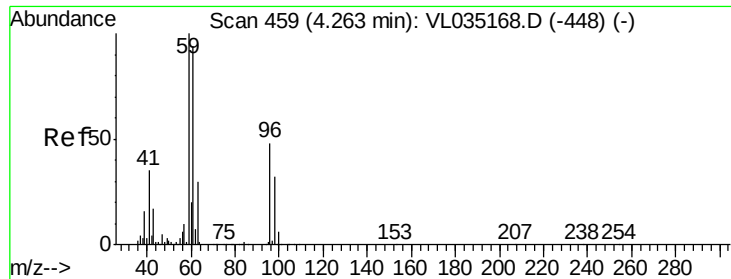
MMDadoda
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#16
1,3-Butadiene
Concen: 0.130 ppbv m
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion: 39 Resp: 7787
Ion Ratio Lower Upper
39 100
54 0.0 67.2 100.8#





#17

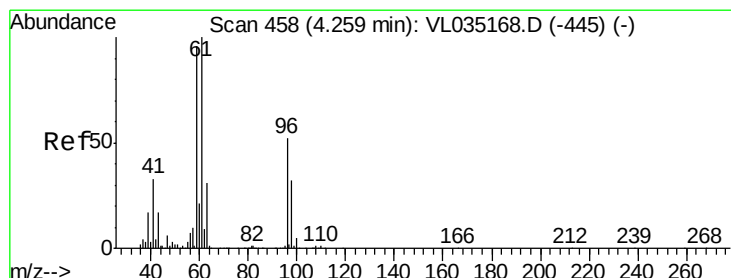
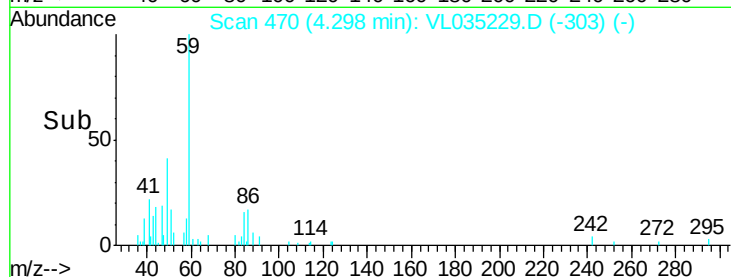
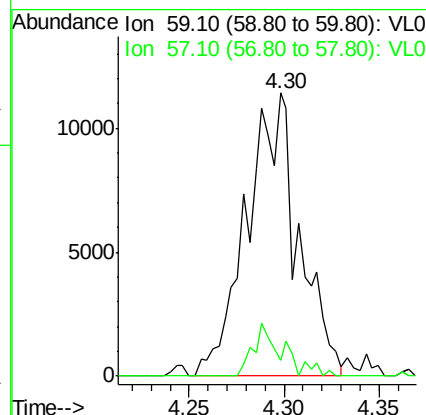
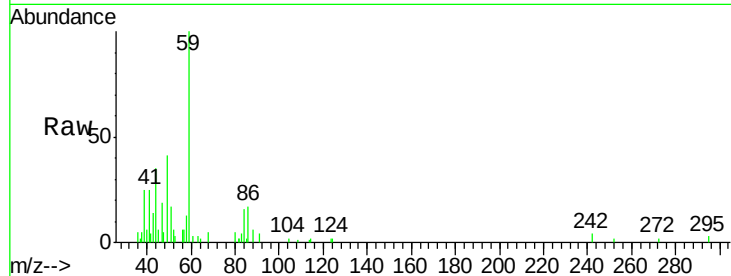
tert-Butyl alcohol
 Concen: 0.158 ppbv m
 RT: 4.30 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

Manual Integrations
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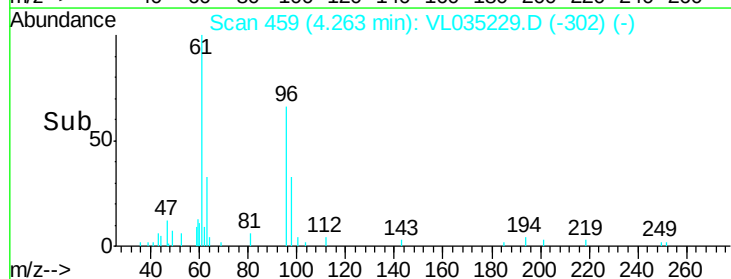
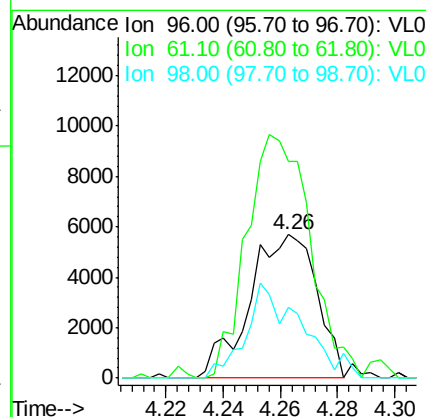
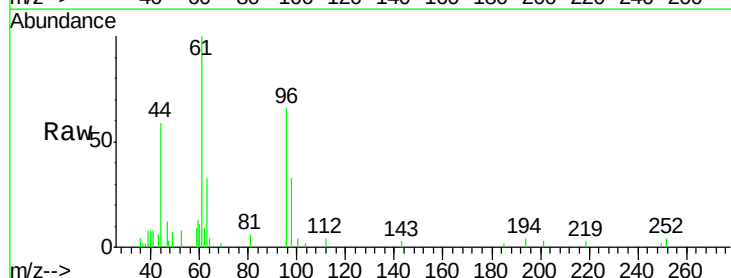
MMDadoda
 7/27/2020 12:29:51 PM

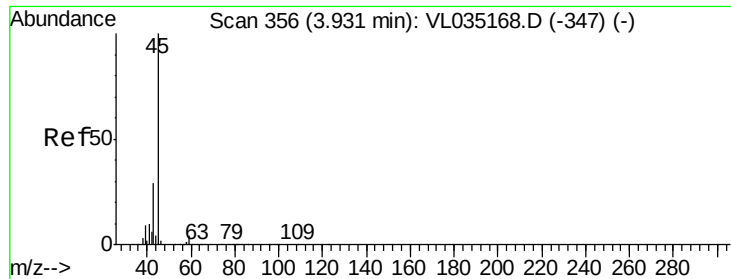


#18

1,1-Dichloroethene
 Concen: 0.165 ppbv m
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	152.9	229.3#
98	49.4	48.7	73.1





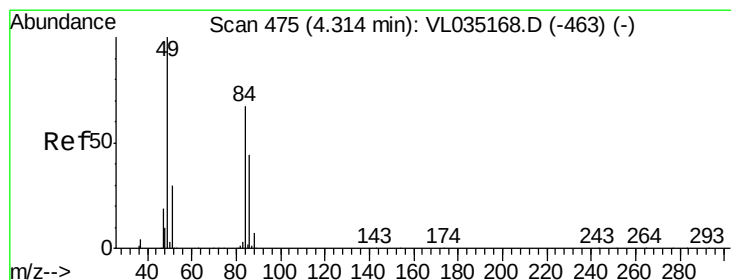
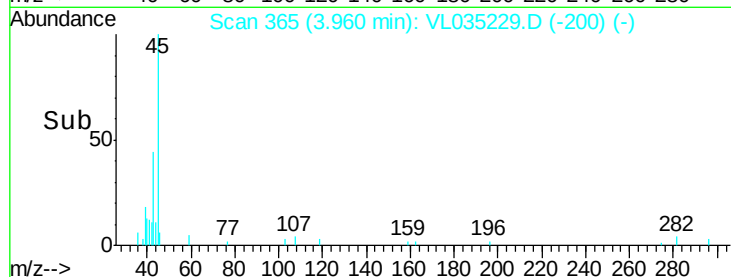
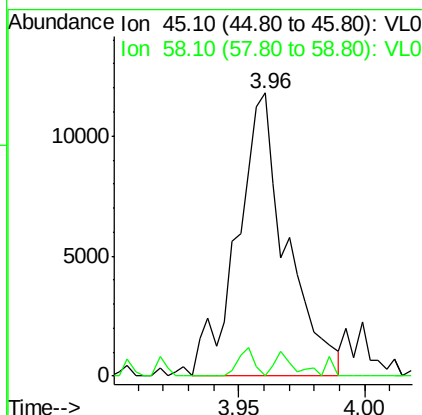
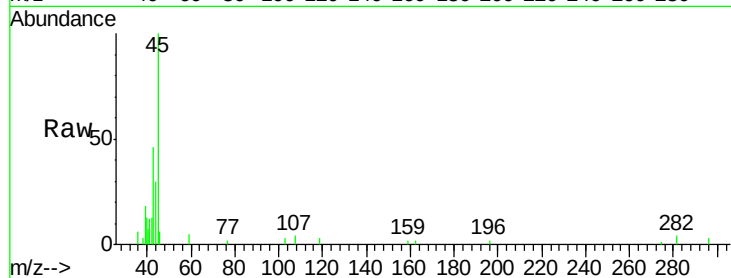
#19
Isopropyl Alcohol
Concen: 0.169 ppbv m
RT: 3.96 min Scan# 365
Delta R.T. 0.03 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 15889
Ion Ratio Lower Upper
45 100
58 0.0 2.1 3.1#

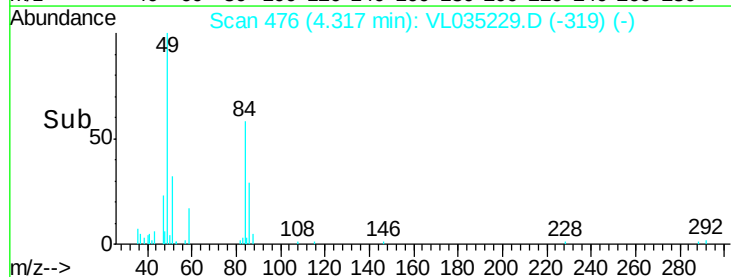
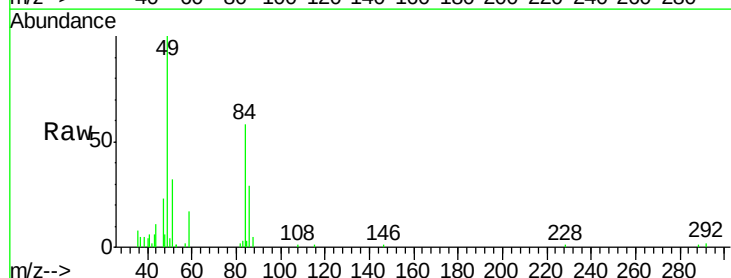
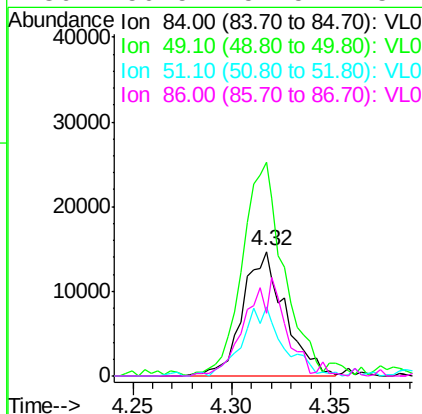
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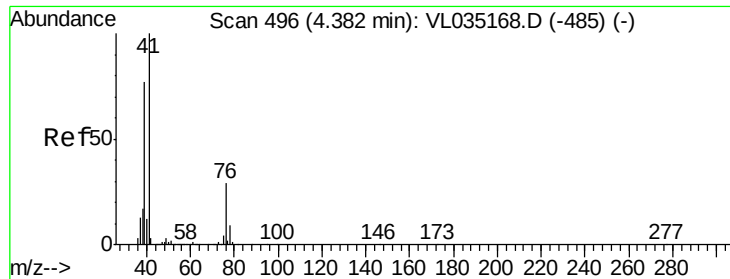
MMDadoda
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#20
Methylene Chloride
Concen: 0.328 ppbv m
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion: 84 Resp: 22199
Ion Ratio Lower Upper
84 100
49 172.0 119.4 179.0
51 55.6 36.6 55.0#
86 50.5 52.5 78.7#





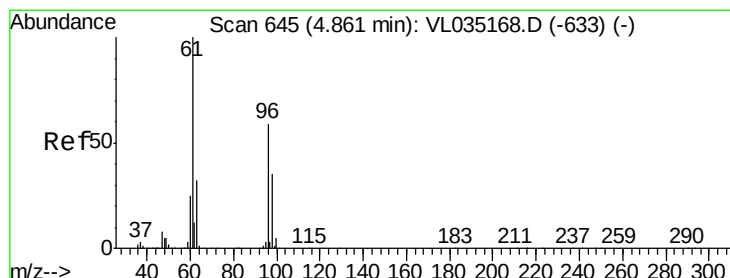
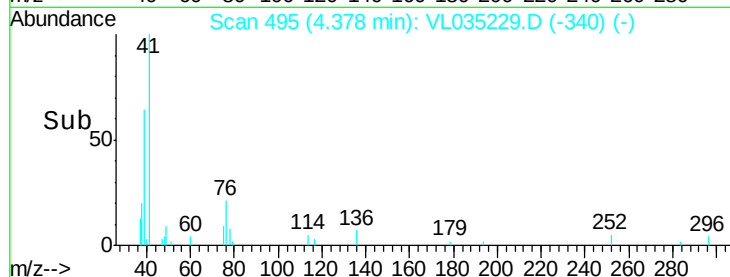
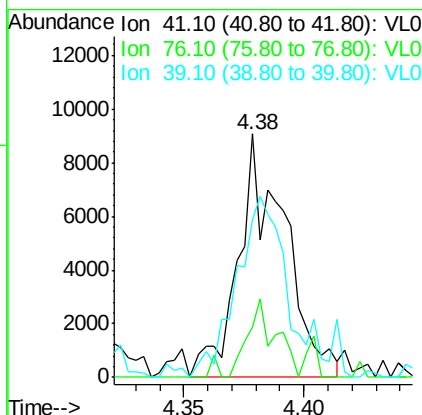
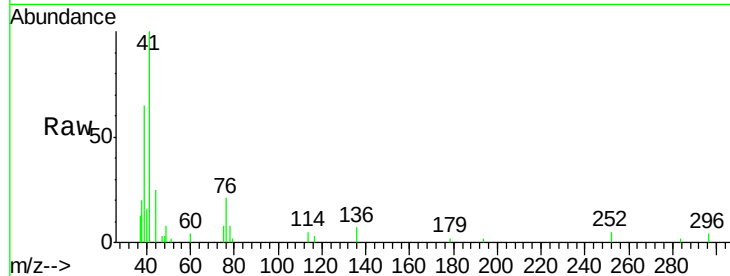
#21
 Allyl Chloride
 Concen: 0.136 ppbv m
 RT: 4.38 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.5	35.3#
39	0.0	63.4	95.0#

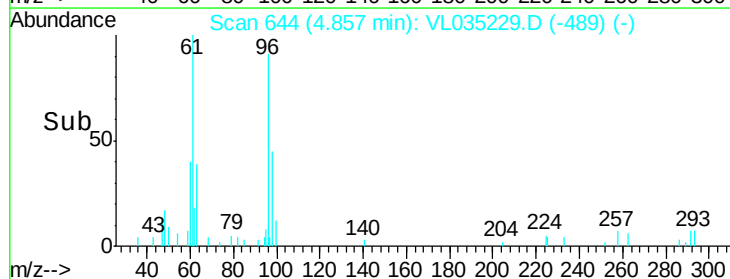
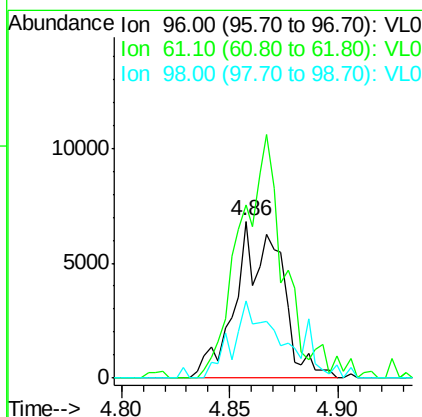
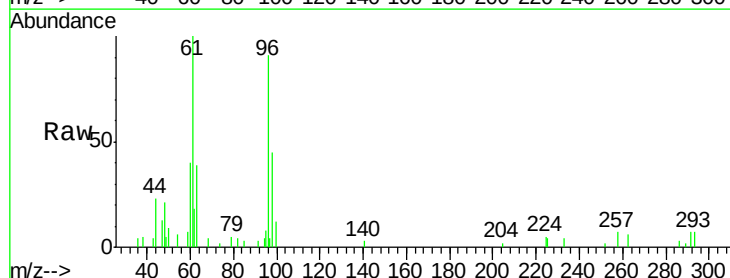
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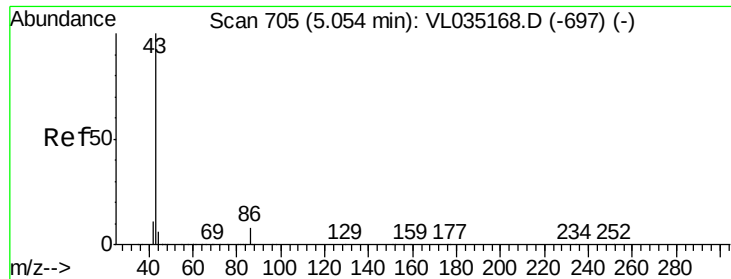
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 0.175 ppbv m
 RT: 4.86 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	110.3	136.5	204.7#
98	49.5	47.5	71.3





#23

Vinyl Acetate

Concen: 0.108 ppbv m

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

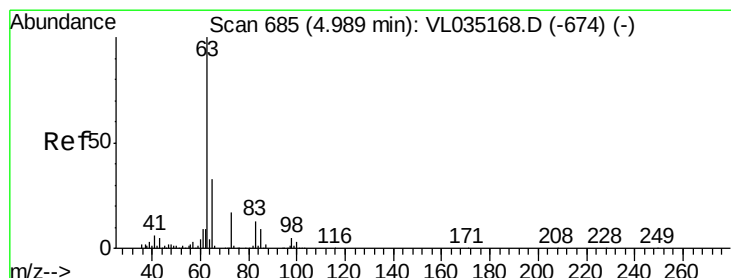
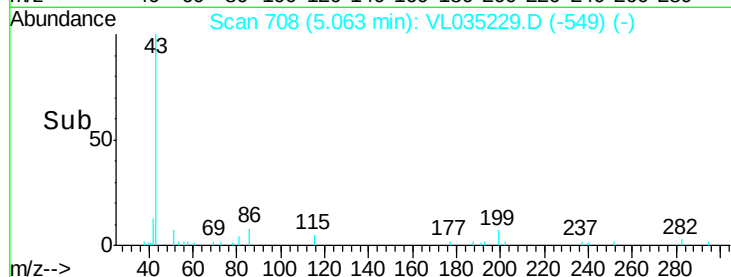
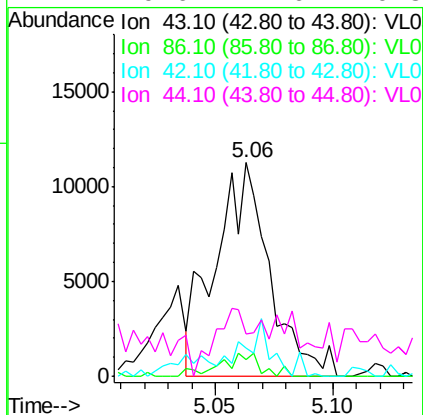
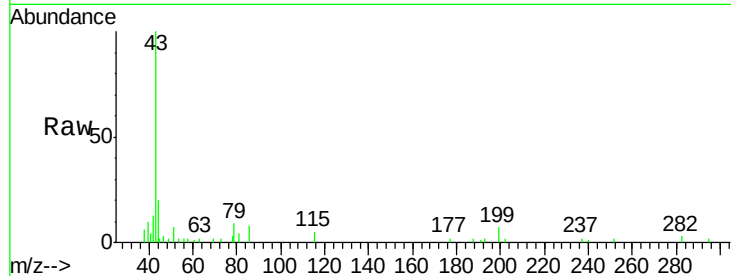
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.2
42	13.3	9.1	13.7
44	19.6	4.6	6.8#

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#24

1,1-Dichloroethane

Concen: 0.141 ppbv m

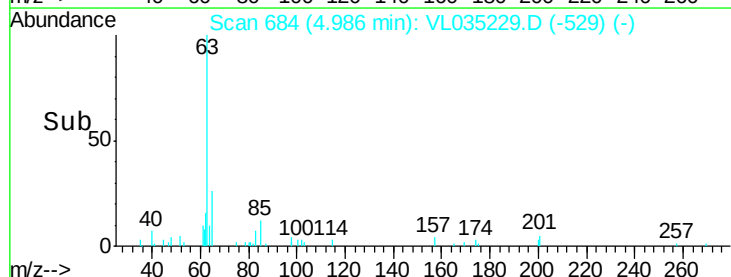
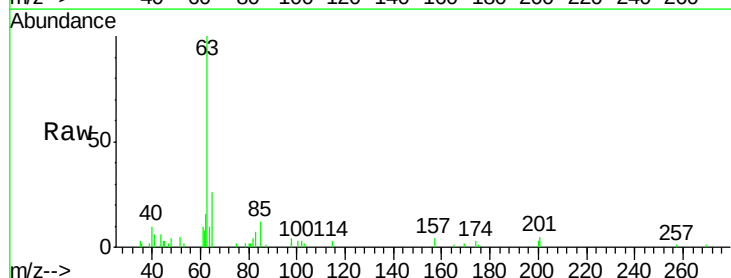
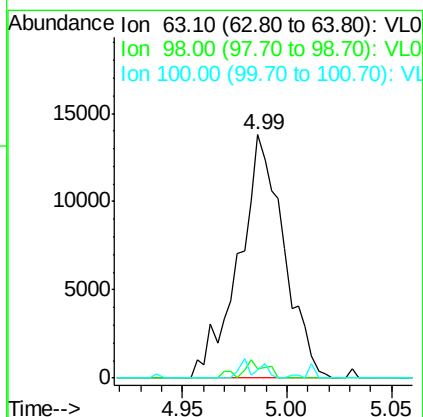
RT: 4.99 min Scan# 684

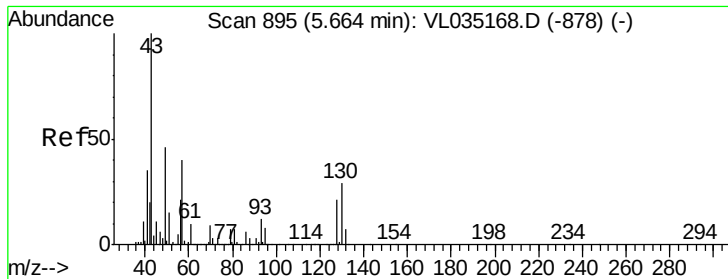
Delta R.T. -0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.4	7.1
100	3.2	1.4	4.0





#25

Ethyl Acetate

Concen: 0.110 ppbv m

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

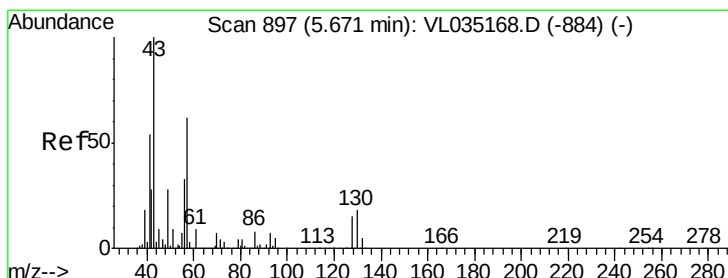
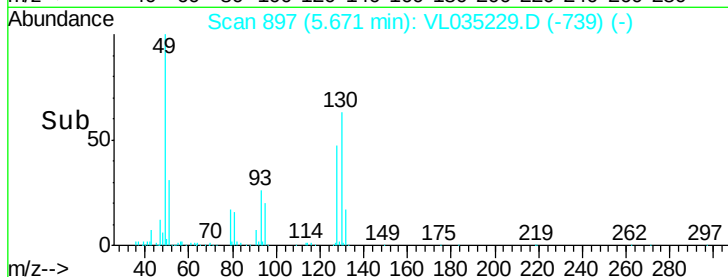
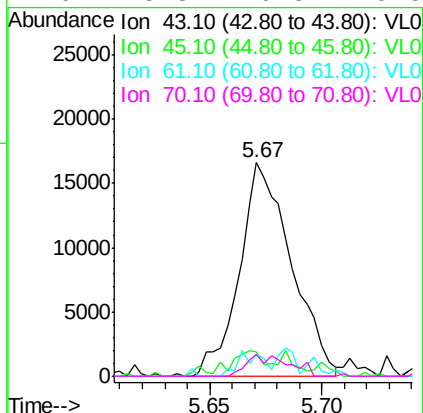
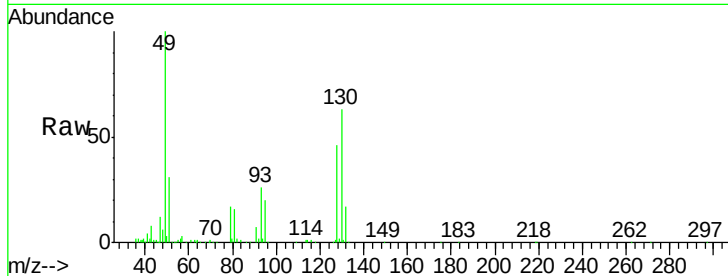
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
45	14.4	8.5	12.7#
61	12.4	8.1	12.1#
70	8.3	6.3	9.5

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#26

Hexane

Concen: 0.100 ppbv m

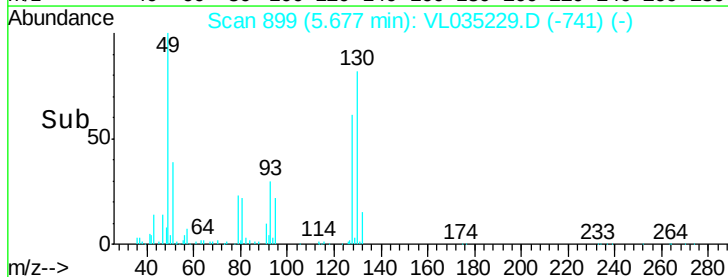
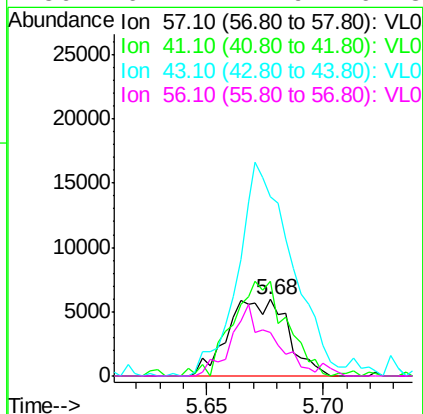
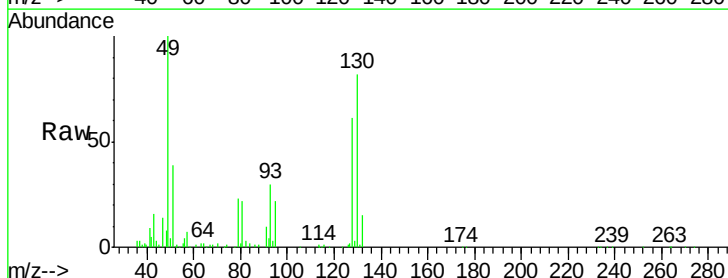
RT: 5.68 min Scan# 899

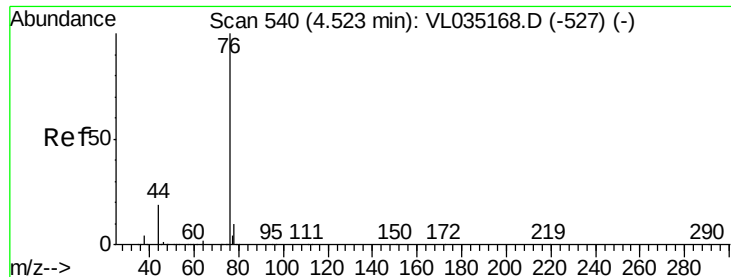
Delta R.T. 0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	116.6	72.9	109.3#
43	257.5	179.5	269.3
56	67.4	42.9	64.3#





#27

Carbon Disulfide

Concen: 0.141 ppbv m

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

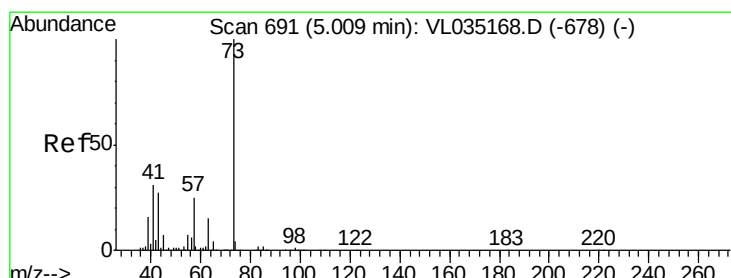
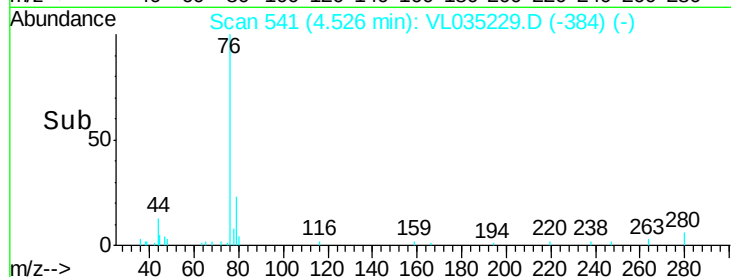
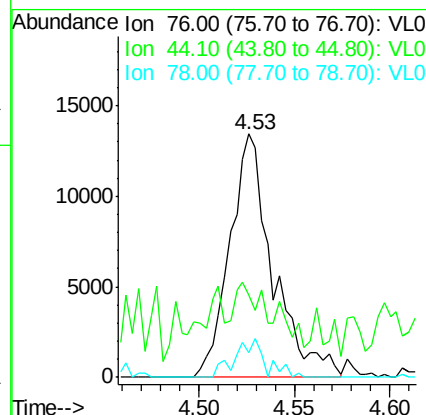
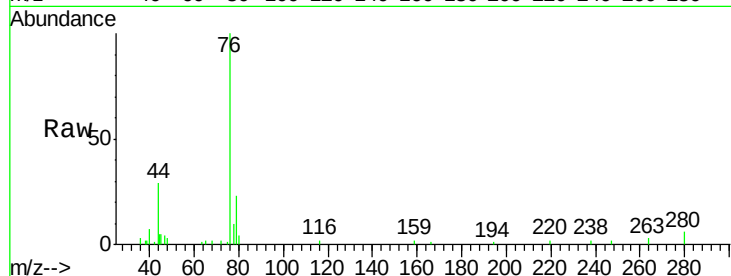
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
76	100		
44	34.6	14.9	22.3#
78	11.3	7.5	11.3#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.086 ppbv m

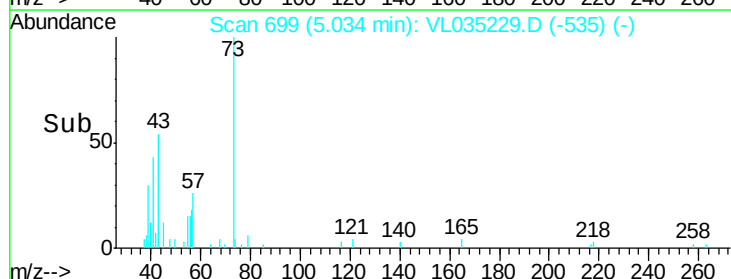
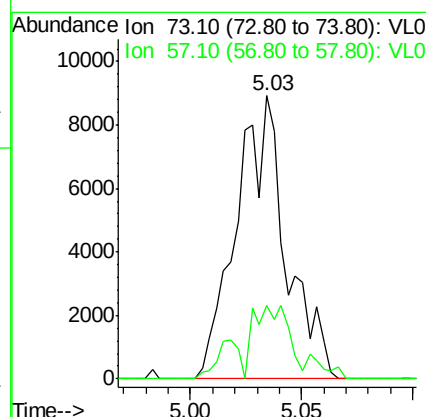
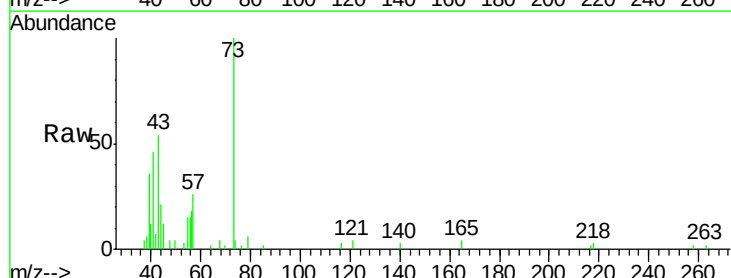
RT: 5.03 min Scan# 699

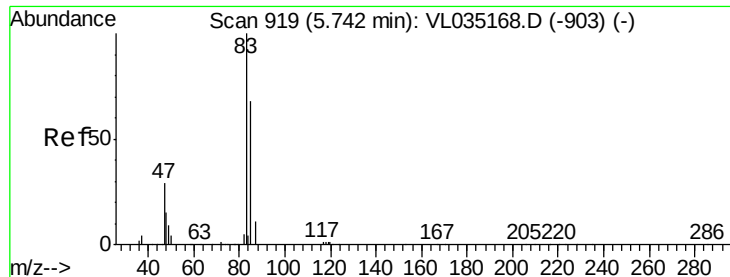
Delta R.T. 0.03 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.1	27.1#





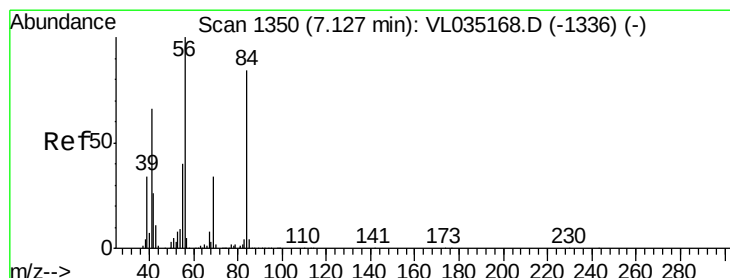
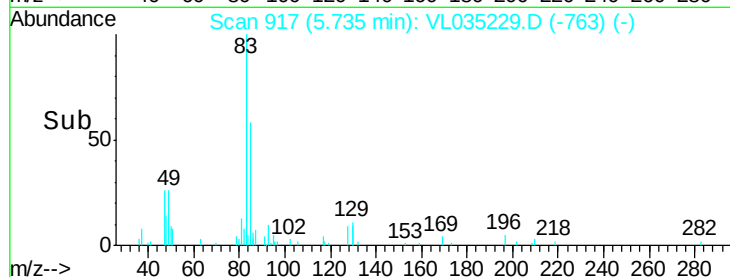
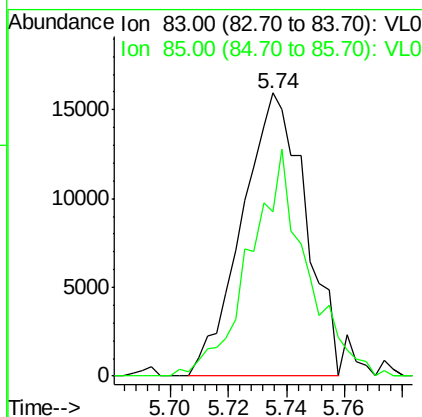
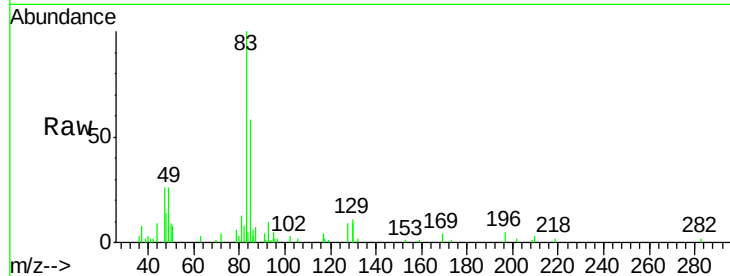
#29
Chloroform
Concen: 0.136 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 83 Resp: 24216
Ion Ratio Lower Upper
83 100
85 56.6 54.3 81.5

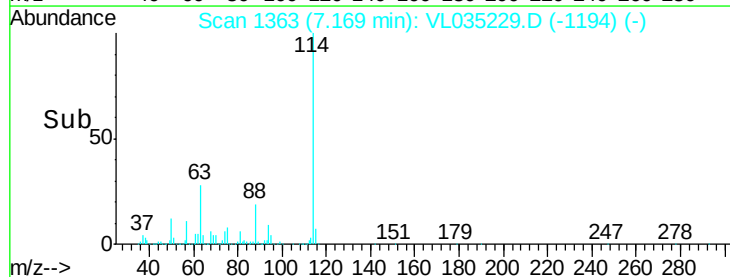
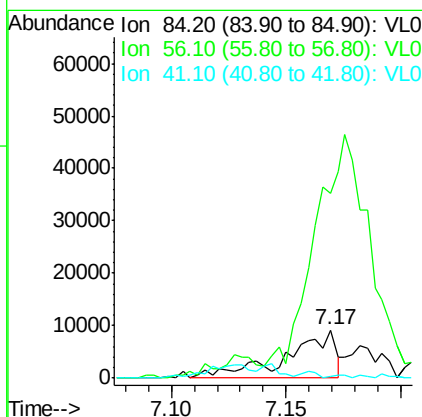
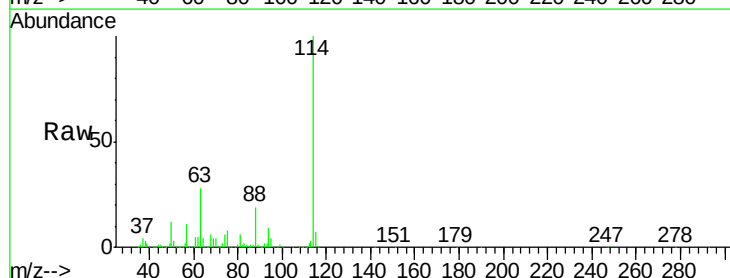
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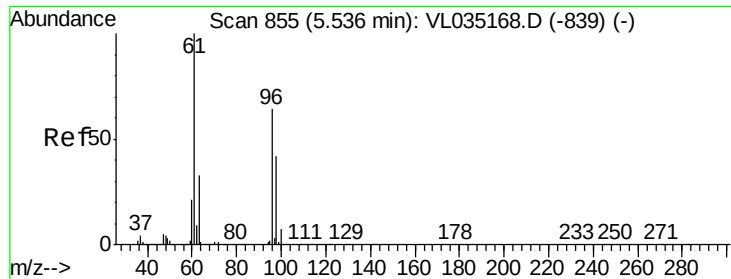
MMDadoda
7/27/2020 12:29:51 PM



#30
Cyclohexane
Concen: 0.170 ppbv m
RT: 7.17 min Scan# 1363
Delta R.T. 0.04 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion: 84 Resp: 13424
Ion Ratio Lower Upper
84 100
56 0.0 105.6 158.4#
41 0.0 64.9 97.3#





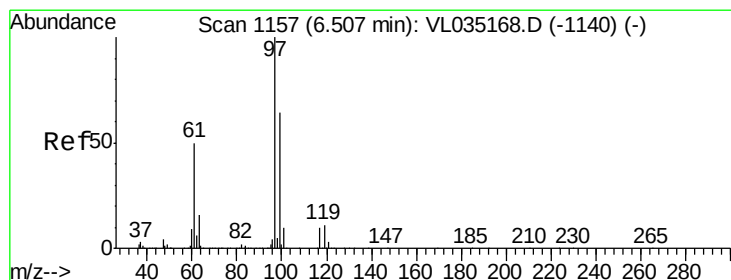
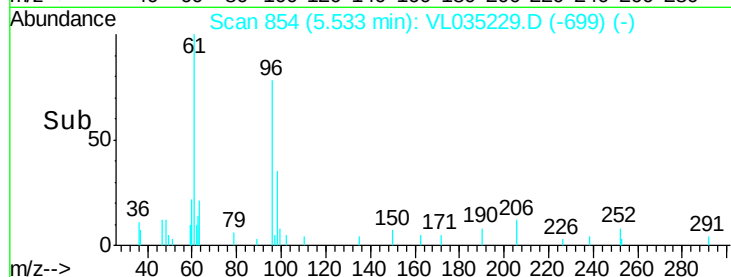
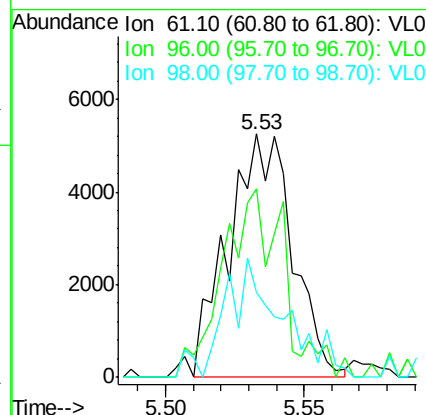
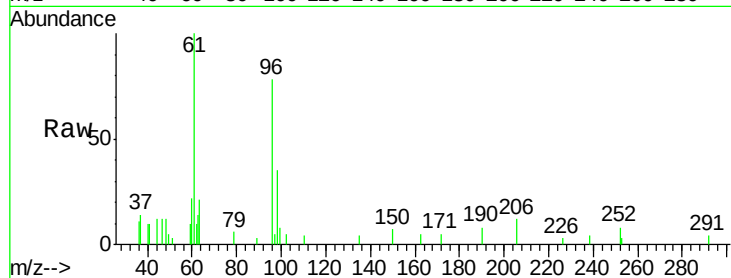
#31
 cis-1,2-Dichloroethene
 Concen: 0.084 ppbv m
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
61	100		
96	77.5	51.3	76.9#
98	34.6	33.8	50.8

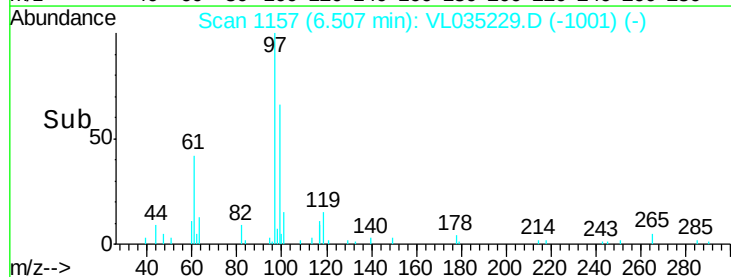
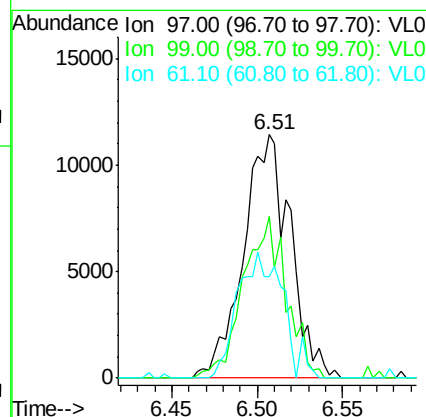
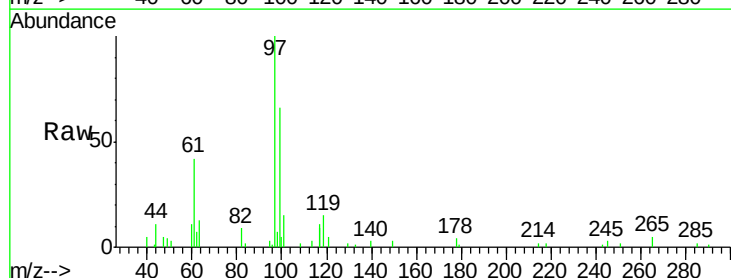
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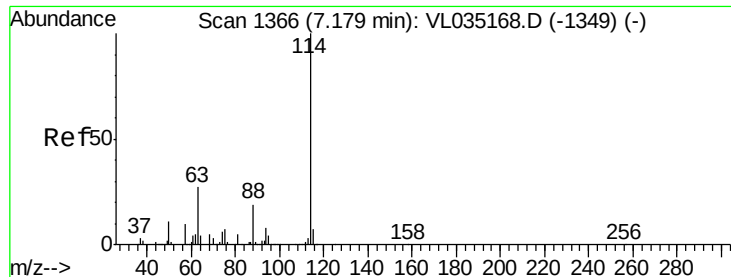
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#32
 1,1,1-Trichloroethane
 Concen: 0.122 ppbv m
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	49.7	40.9	61.3





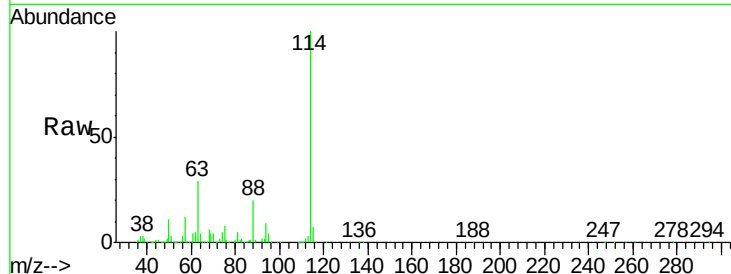
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

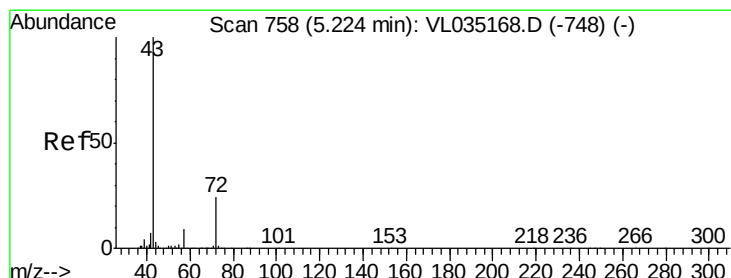
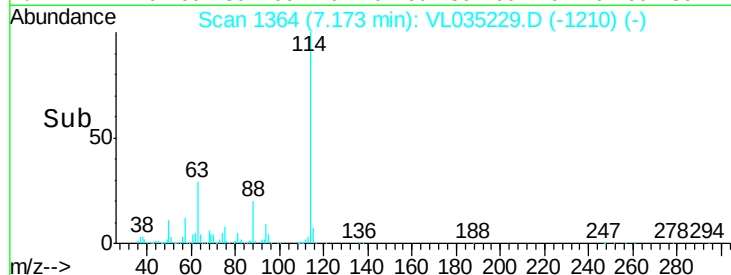
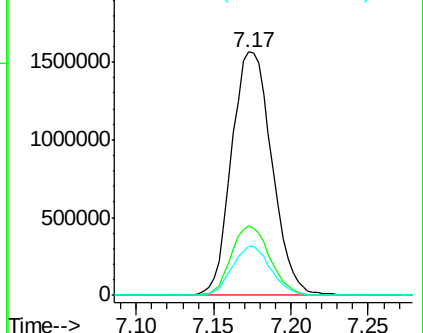
Tgt Ion: 114 Resp: 2832380
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.0 33.0
 88 19.3 15.4 23.0

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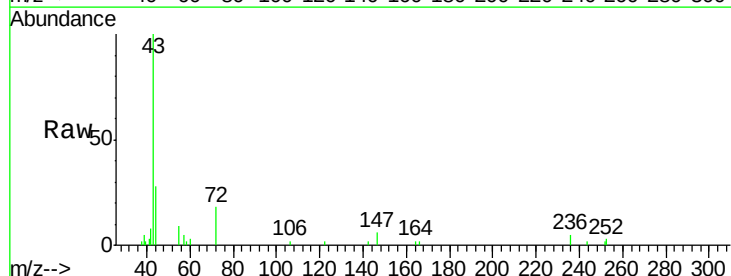


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

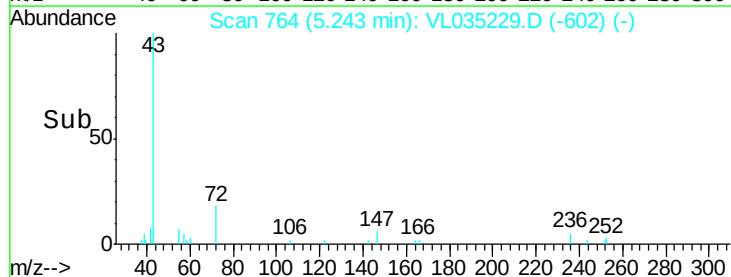
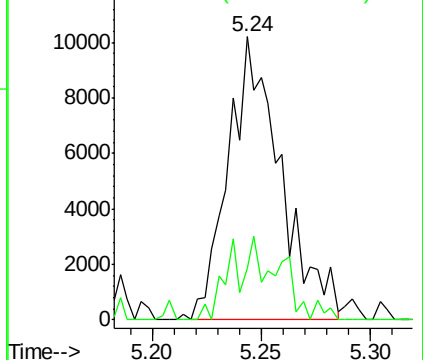


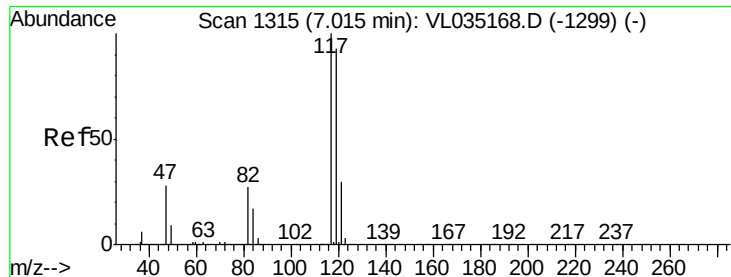
#34
 2-Butanone
 Concen: 0.113 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion: 43 Resp: 17010
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 28.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





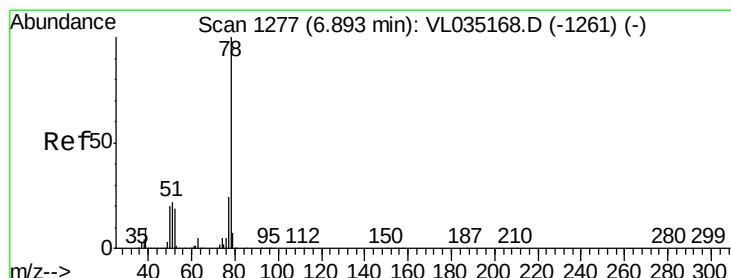
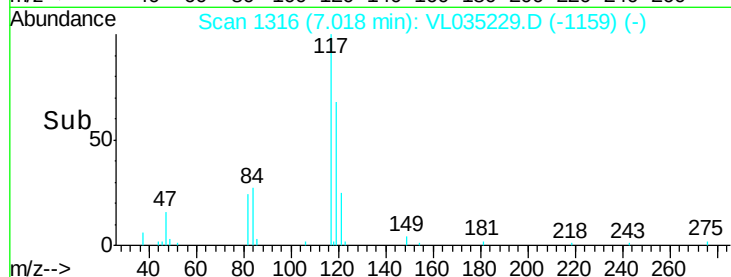
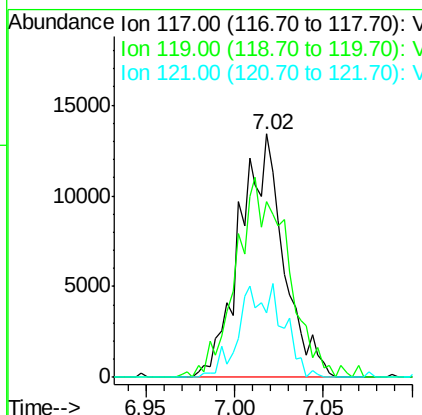
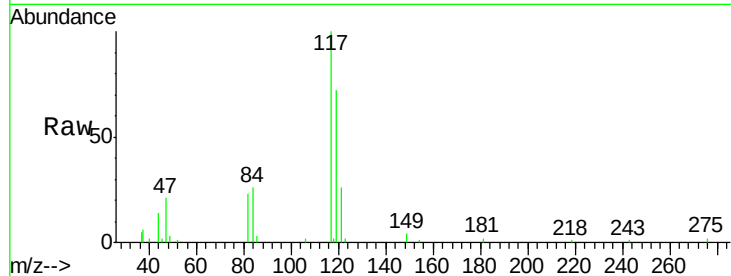
#35
Carbon Tetrachloride
Concen: 0.126 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
117	100		
119	71.9	74.8	112.2#
121	26.2	24.2	36.2

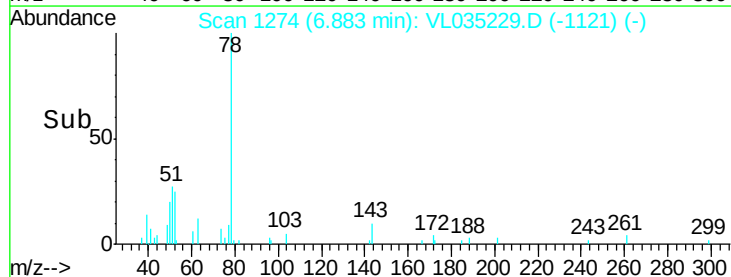
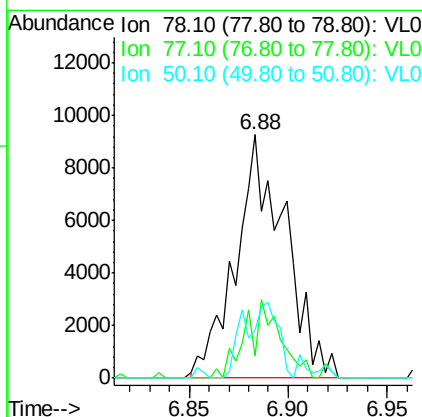
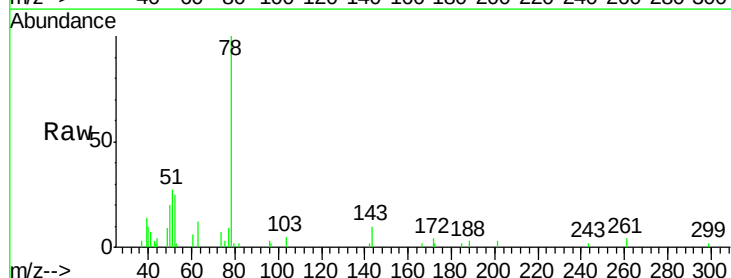
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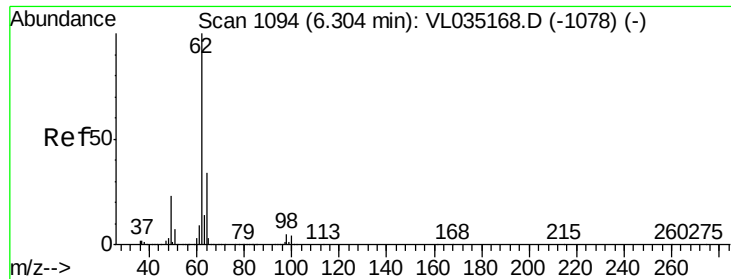
MMDadoda
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#36
Benzene
Concen: 0.078 ppbv m
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	9.2	19.3	28.9#
50	19.8	16.0	24.0





#37

1,2-Dichloroethane

Concen: 0.114 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

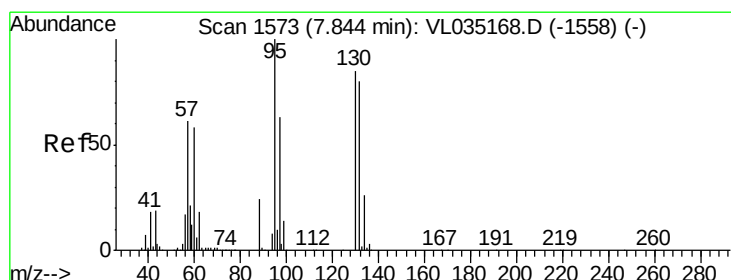
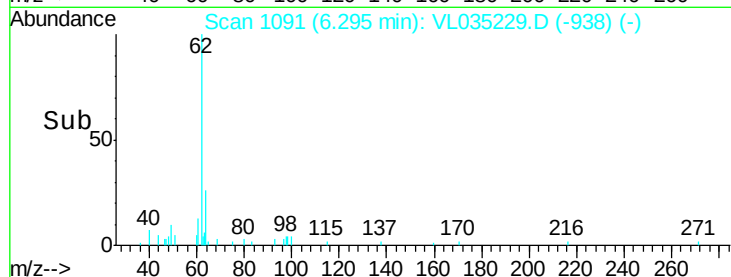
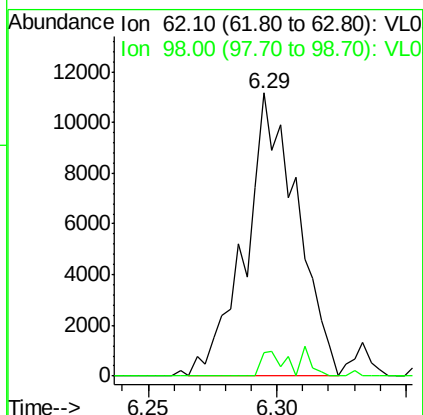
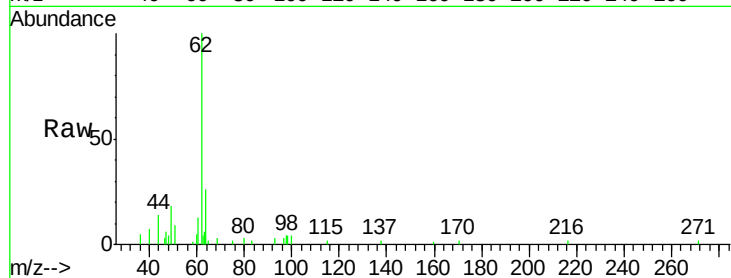
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	62	Resp:	15641
Ion Ratio	Lower	Upper	
62	100		
98	6.1	4.6	6.8

Manual Integrations
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#38

Trichloroethene

Concen: 0.099 ppbv m

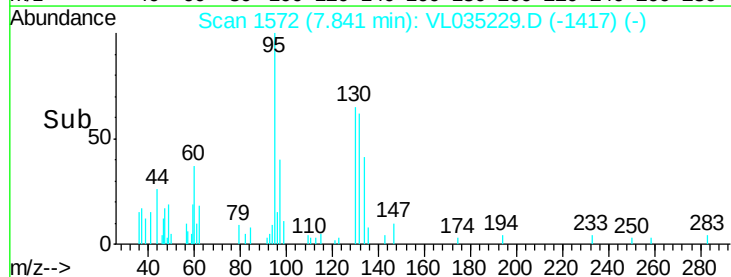
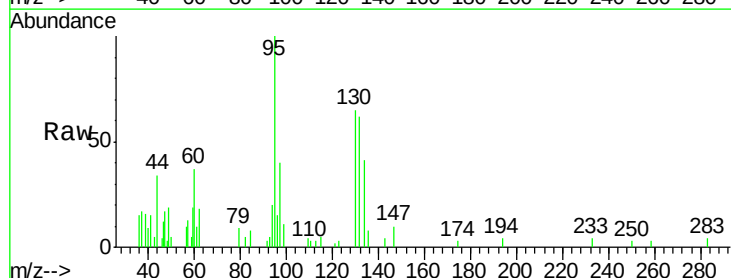
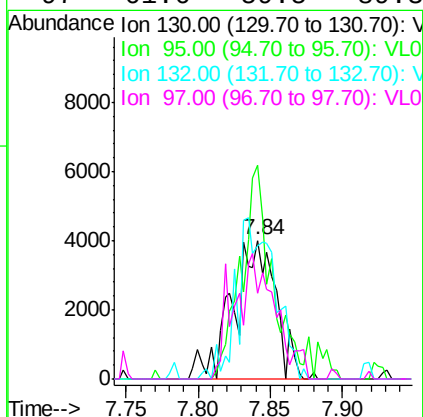
RT: 7.84 min Scan# 1572

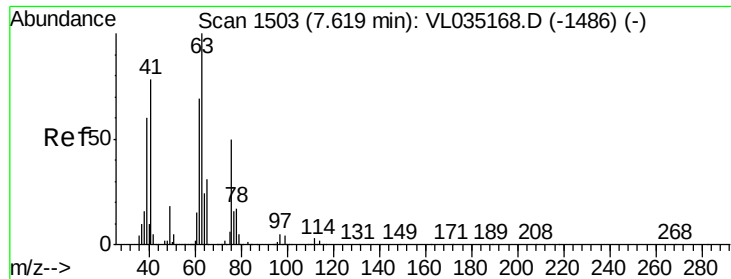
Delta R.T. -0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion:	130	Resp:	8270
Ion Ratio	Lower	Upper	
130	100		
95	153.8	93.8	140.8#
132	95.6	75.0	112.4
97	61.6	59.5	89.3





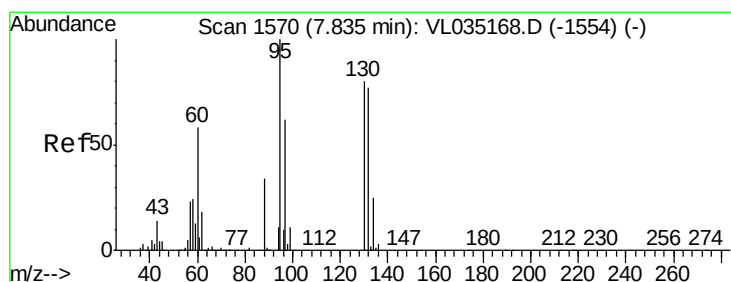
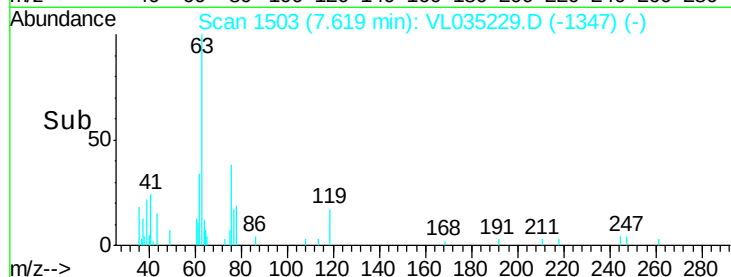
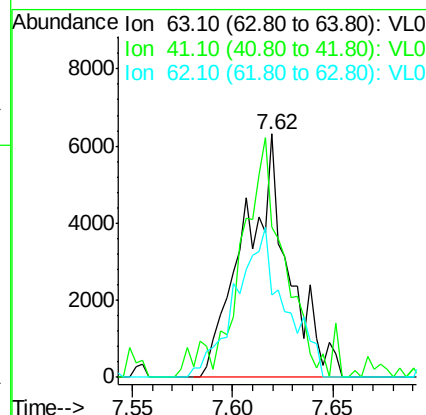
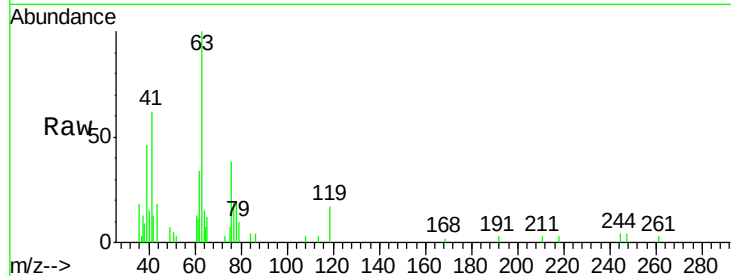
#39
 1,2-Dichloropropane
 Concen: 0.120 ppbv m
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
63	100		
41	61.5	62.6	94.0#
62	34.0	55.0	82.6#

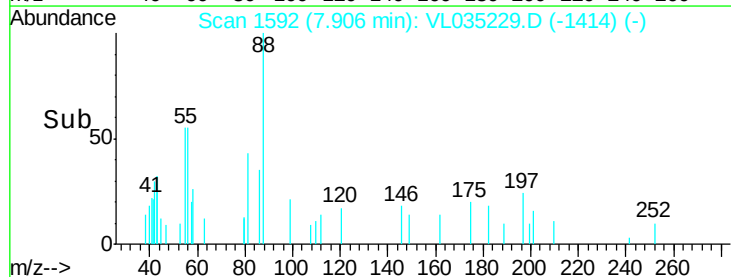
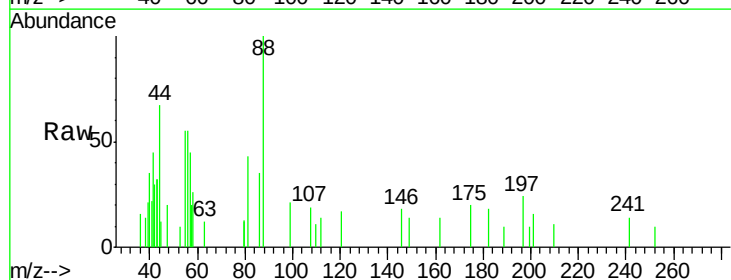
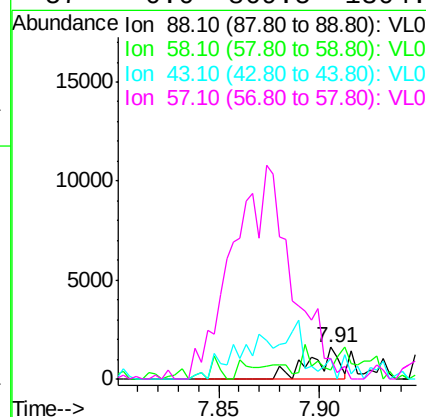
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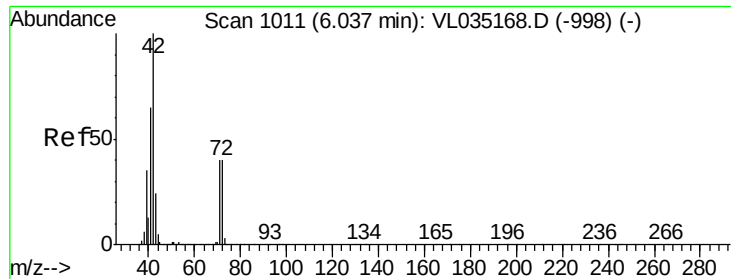
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#40
 1,4-Dioxane
 Concen: 0.047 ppbv m
 RT: 7.91 min Scan# 1592
 Delta R.T. 0.07 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	8.0	100.2	150.4#
43	36.3	199.8	299.8#
57	0.0	869.5	1304.3#





#41

Tetrahydrofuran

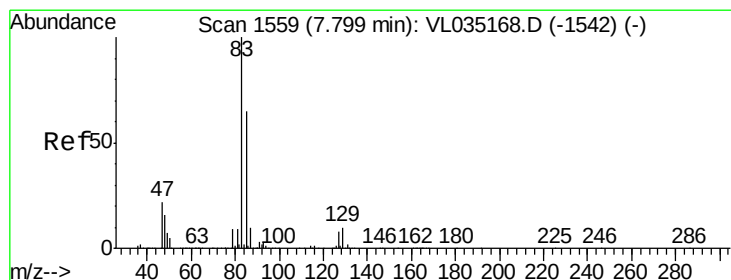
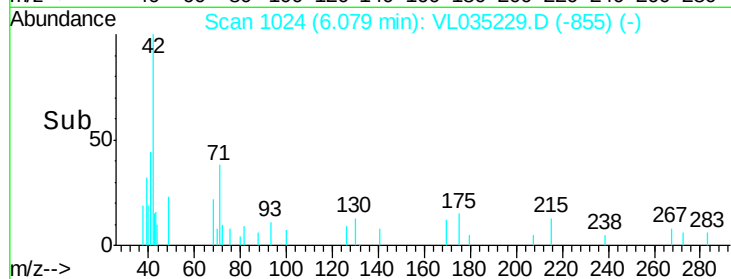
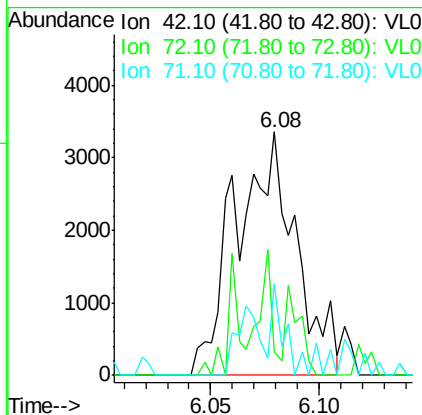
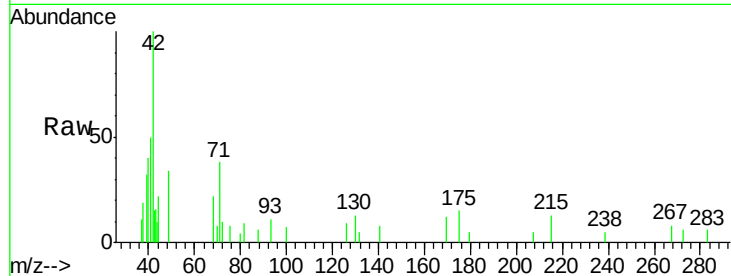
Concen: 0.085 ppbv m
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.2#
71	2.4	31.9	47.9#

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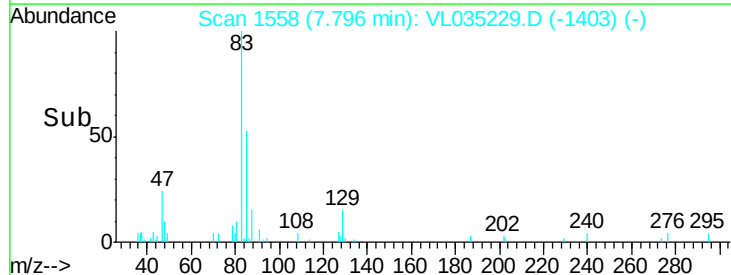
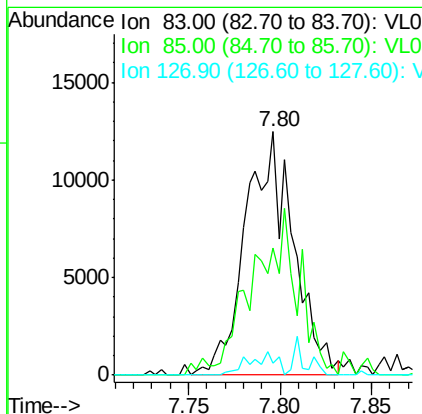
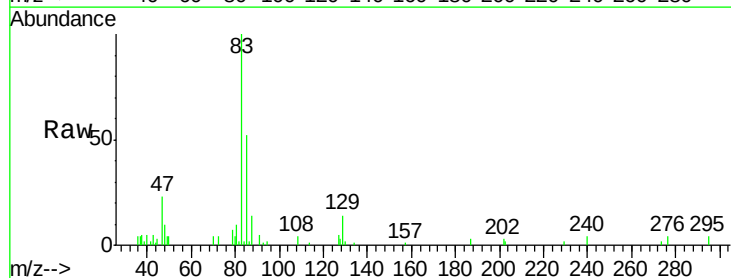


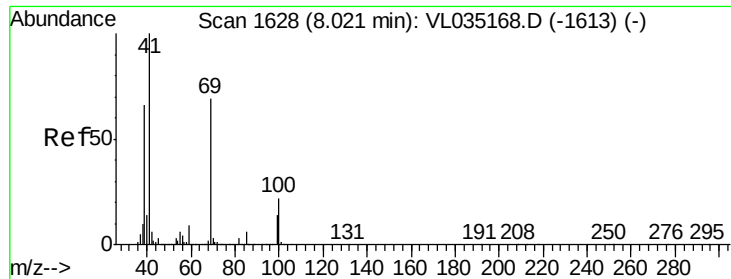
#42

Bromodichloromethane

Concen: 0.123 ppbv m
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.3	52.2	78.4
127	4.7	6.3	9.5#





#43

Methyl Methacrylate

Concen: 0.062 ppbv m

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

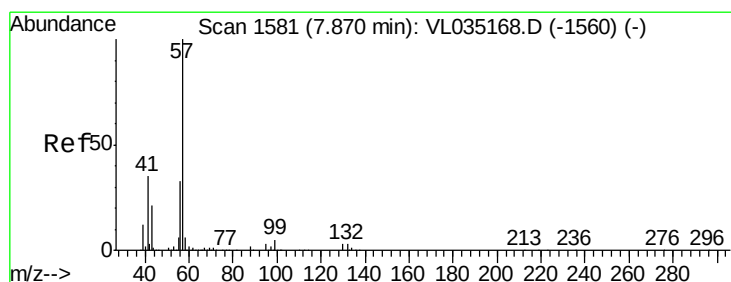
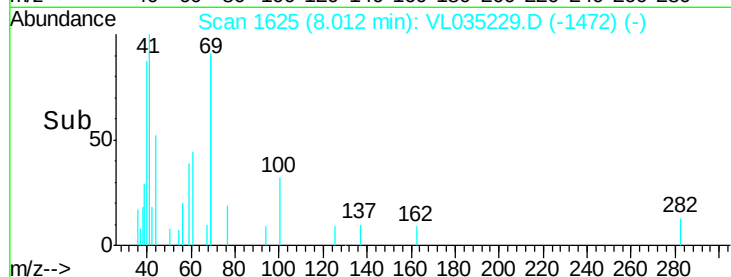
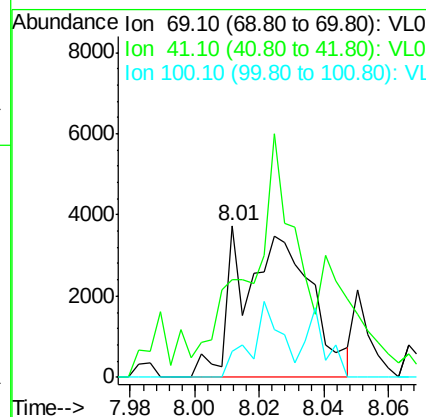
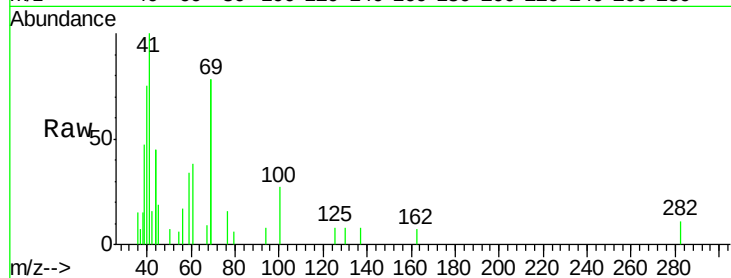
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.3	174.5#
100	0.0	25.6	38.4#

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#44

2,2,4-Trimethylpentane

Concen: 0.062 ppbv m

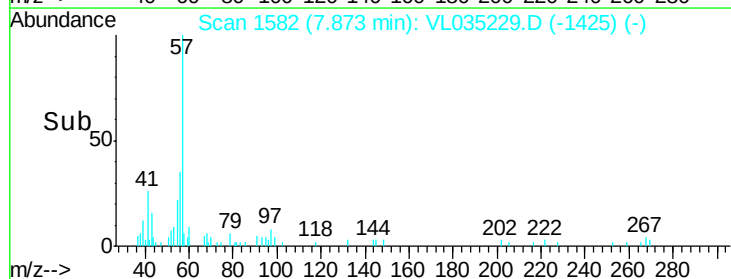
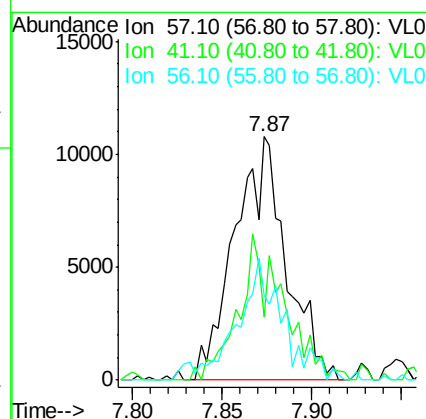
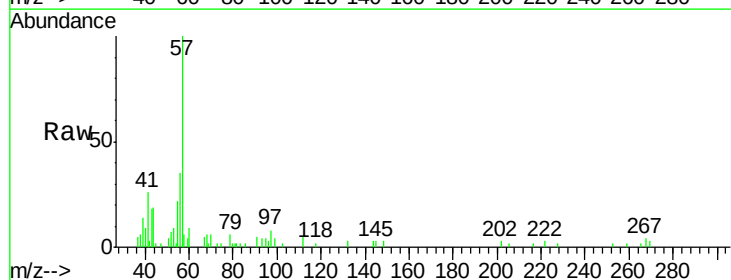
RT: 7.87 min Scan# 1582

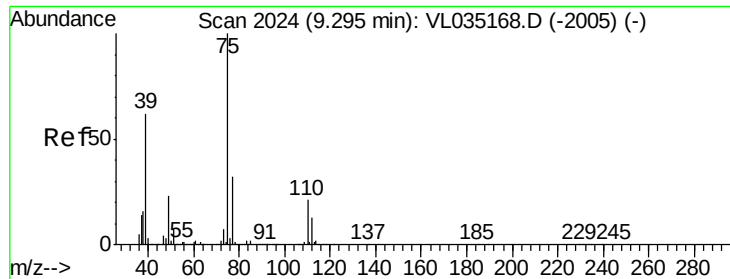
Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	51.7	27.0	40.6#
56	0.0	25.5	38.3#





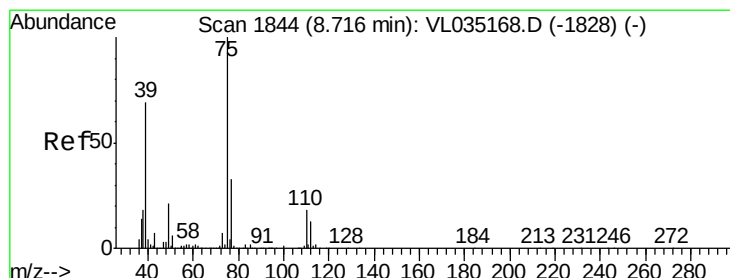
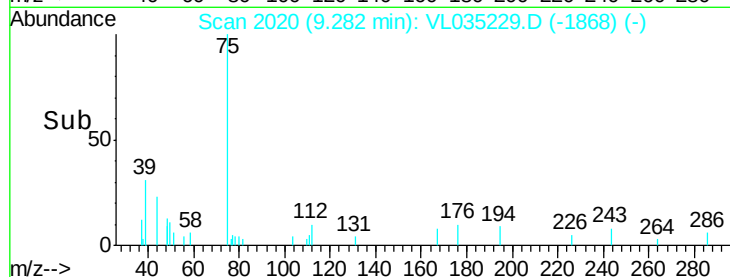
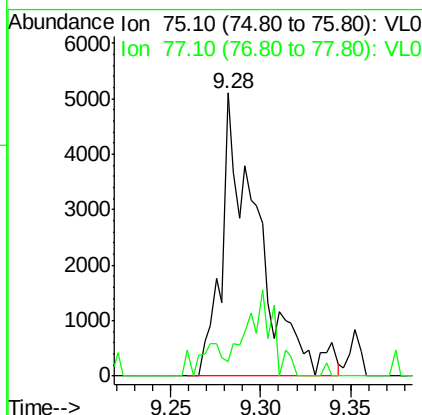
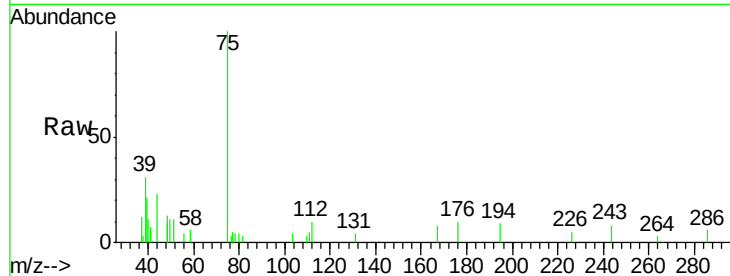
#45
t-1,3-Dichloropropene
Concen: 0.079 ppbv m
RT: 9.28 min Scan# 2020
Delta R.T. -0.01 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 75 Resp: 7231
Ion Ratio Lower Upper
75 100
77 5.0 25.8 38.8#

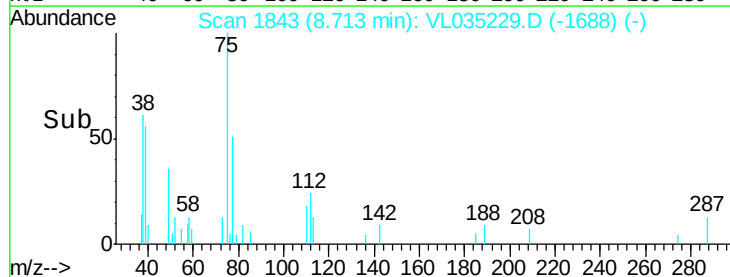
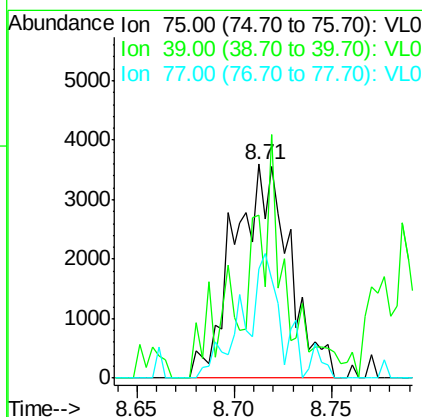
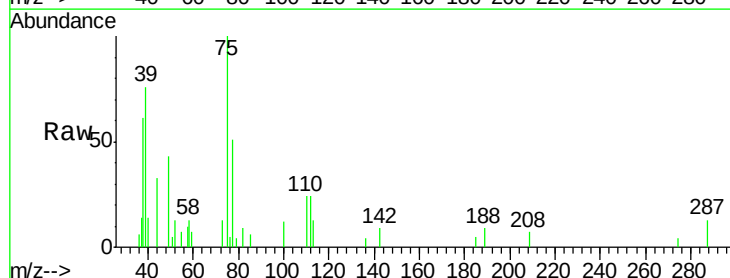
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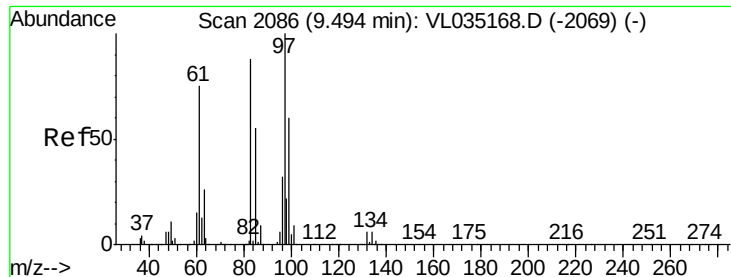
MMDadoda
7/27/2020 12:29:51 PM



#46
cis-1,3-Dichloropropene
Concen: 0.066 ppbv m
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion: 75 Resp: 7138
Ion Ratio Lower Upper
75 100
39 76.4 55.2 82.8
77 50.9 26.0 39.0#





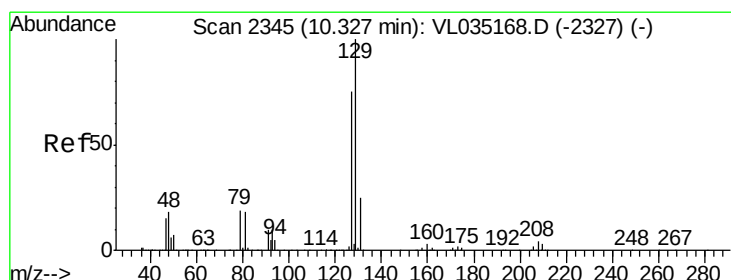
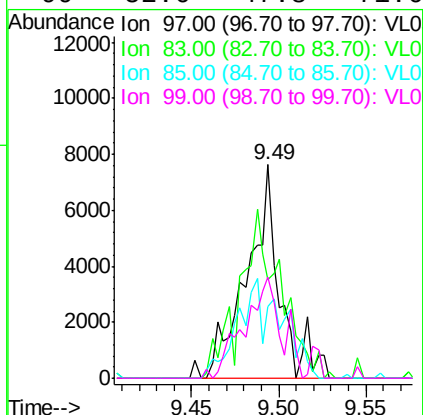
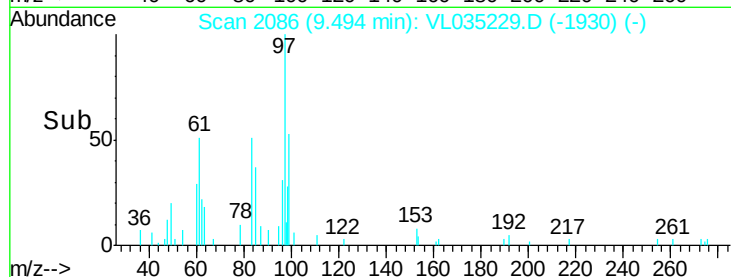
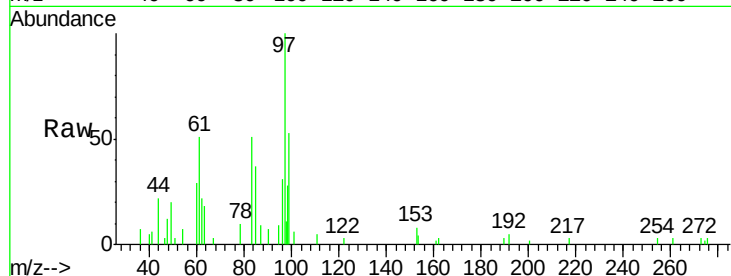
#47
 1,1,2-Trichloroethane
 Concen: 0.113 ppbv m
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	51.4	70.3	105.5#
85	37.3	44.3	66.5#
99	52.6	47.8	71.6

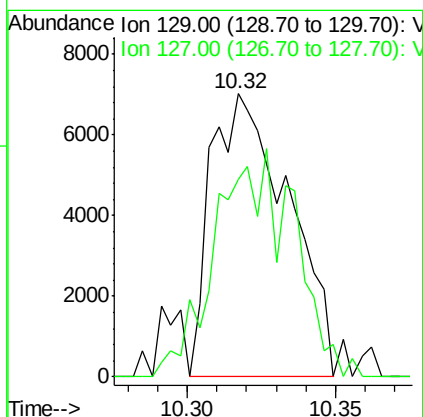
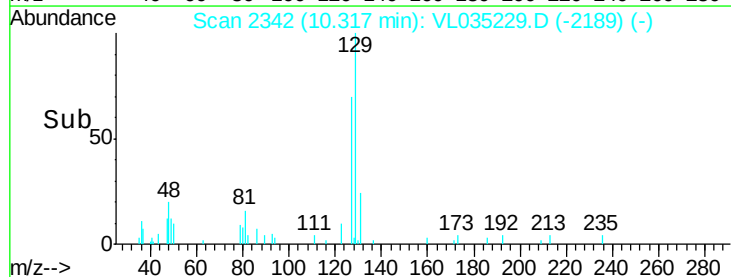
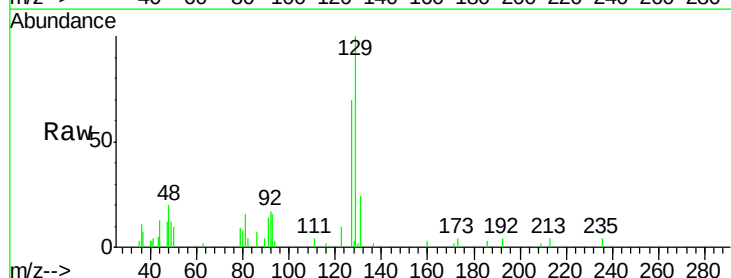
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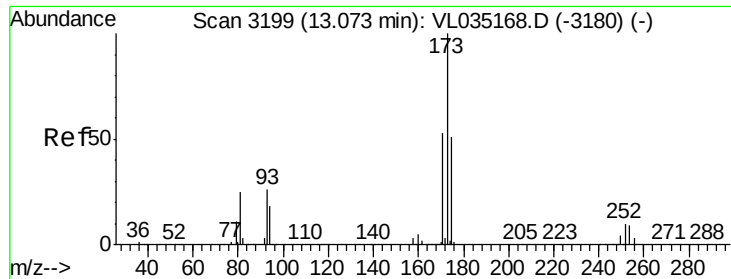
MMDadoda
 7/27/2020 12:29:51 PM



#48
 Dibromochloromethane
 Concen: 0.088 ppbv m
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.3#





#49

Bromoform

Concen: 0.103 ppbv m

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

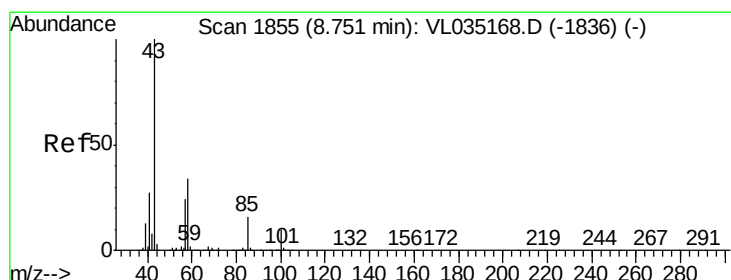
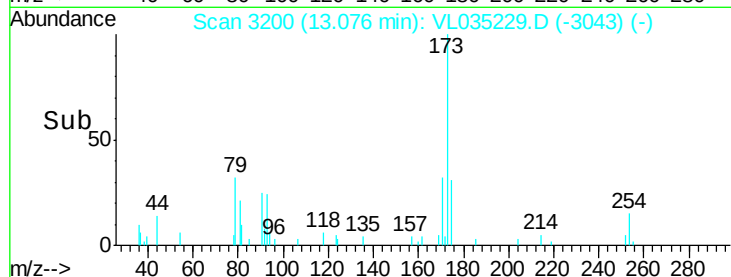
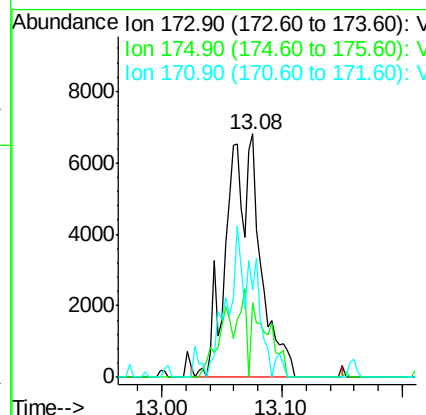
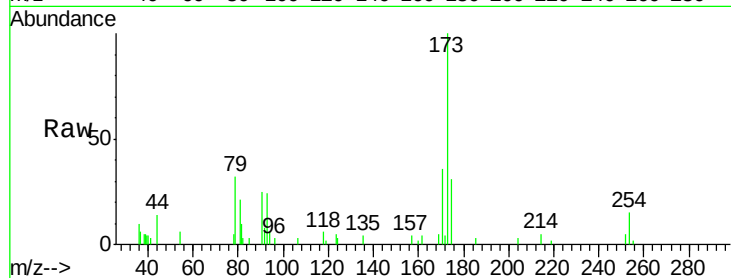
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 173 Resp: 13120
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.7 59.5#
 171 52.4 41.6 62.4

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#50

4-Methyl-2-Pentanone

Concen: 0.071 ppbv m

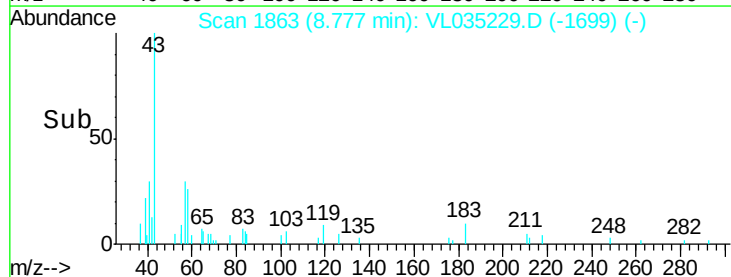
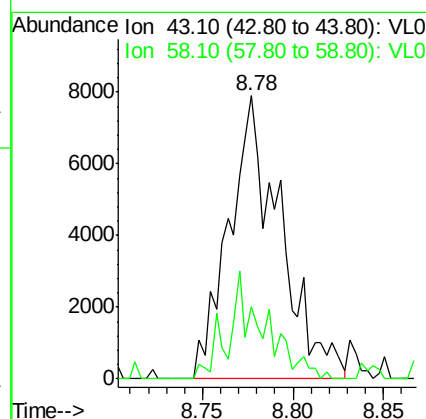
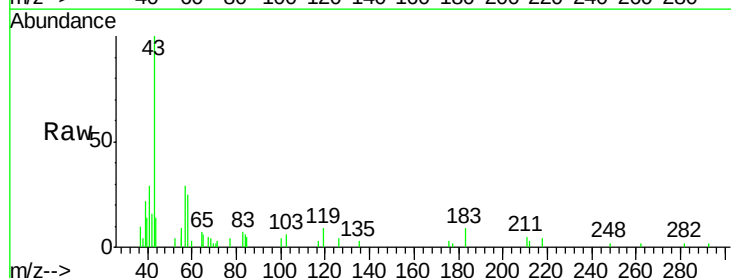
RT: 8.78 min Scan# 1863

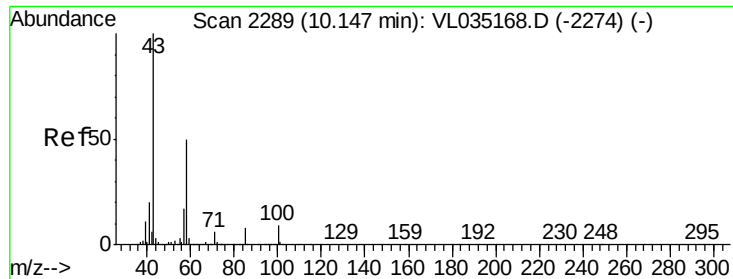
Delta R.T. 0.03 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion: 43 Resp: 15437
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#





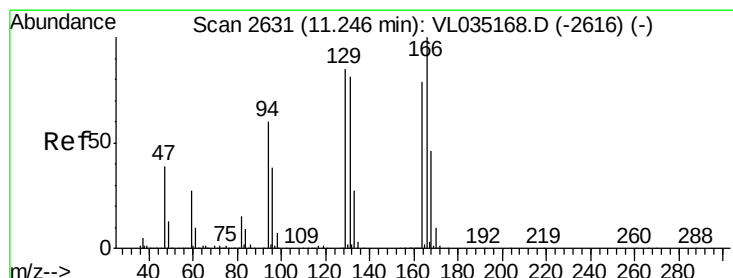
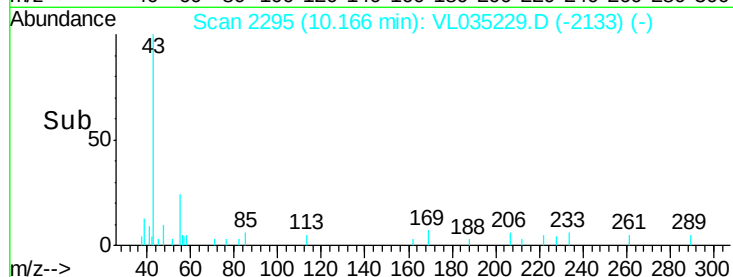
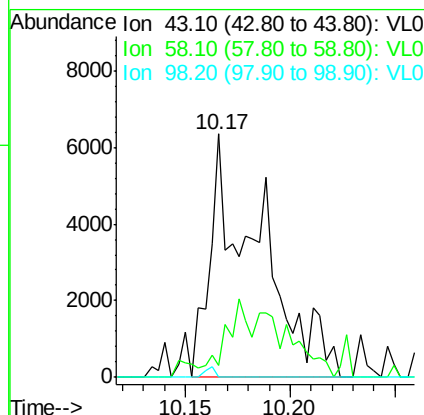
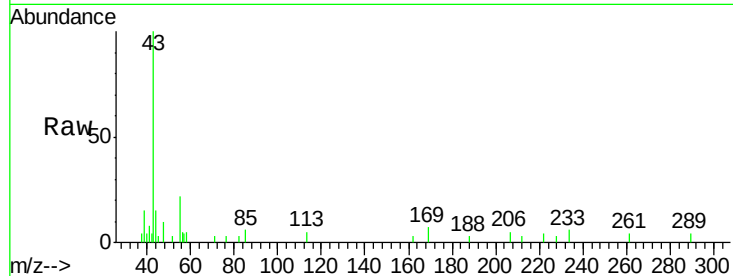
#51
2-Hexanone
Concen: 0.062 ppbv m
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	0.0	0.3	0.5#

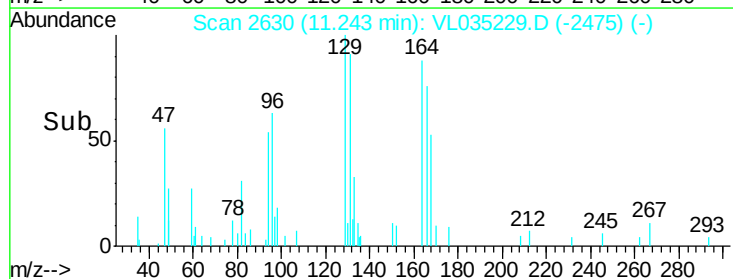
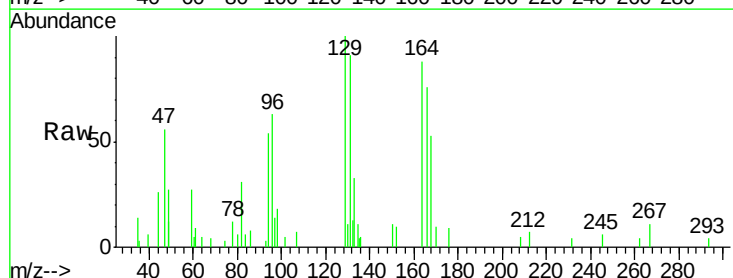
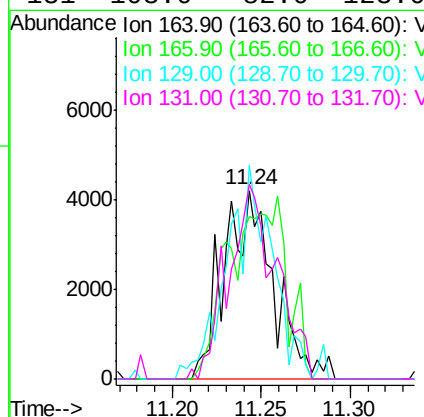
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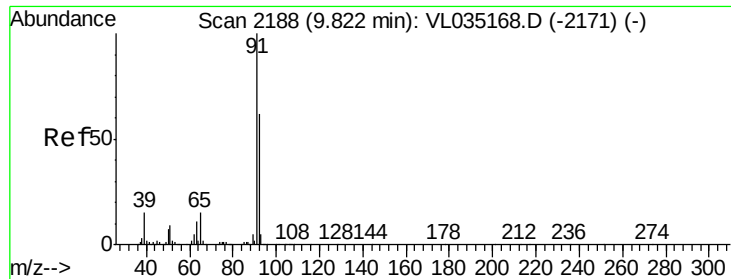
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#52
Tetrachloroethene
Concen: 0.107 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	86.4	100.7	151.1#
129	113.2	85.8	128.6
131	103.0	82.0	123.0





#53

Toluene

Concen: 0.060 ppbv m

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 13025

Ion Ratio Lower Upper

91 100

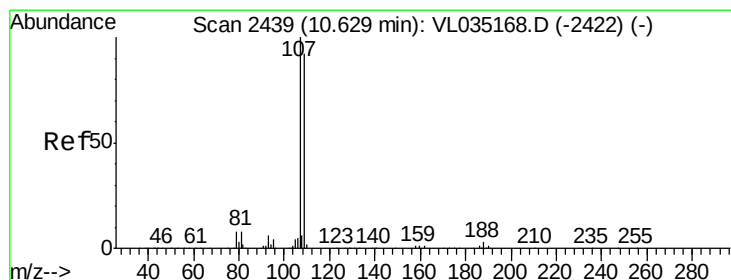
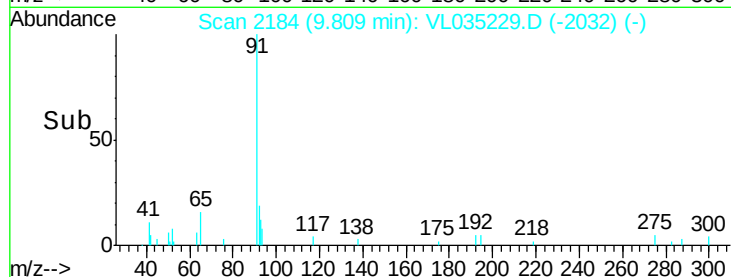
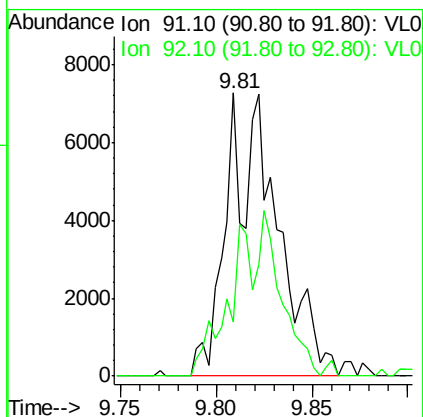
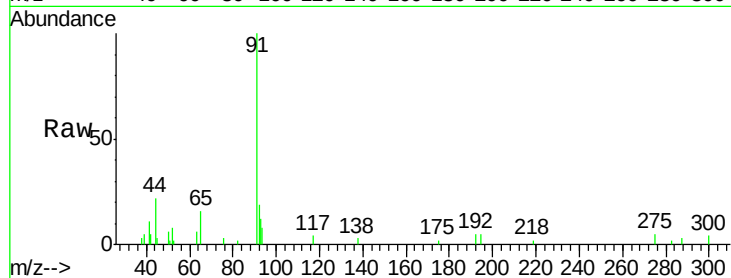
92 0.0 48.4 72.6#

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#54

1,2-Dibromoethane

Concen: 0.087 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035229.D

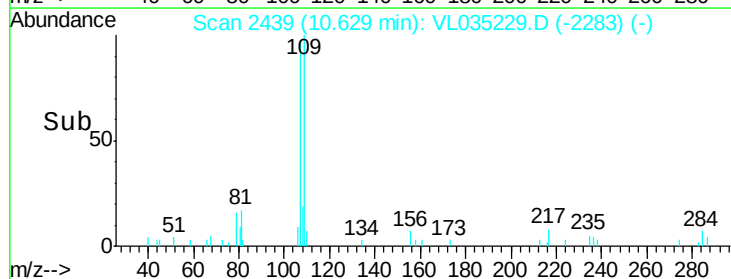
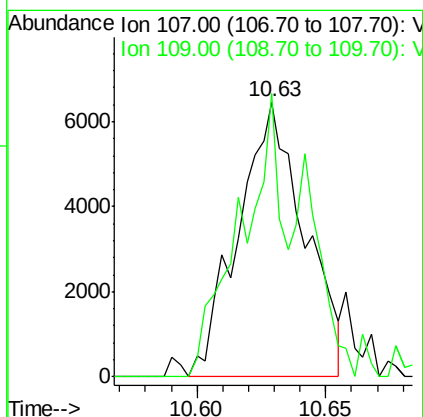
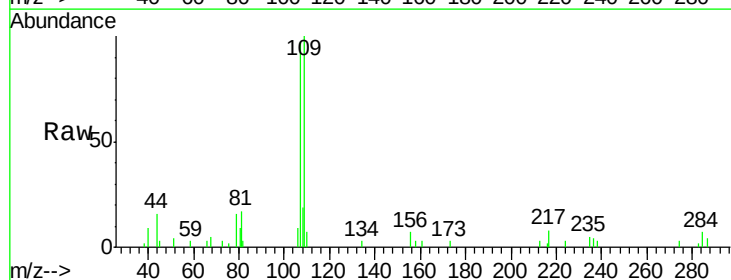
Acq: 23 Jul 2020 15:10

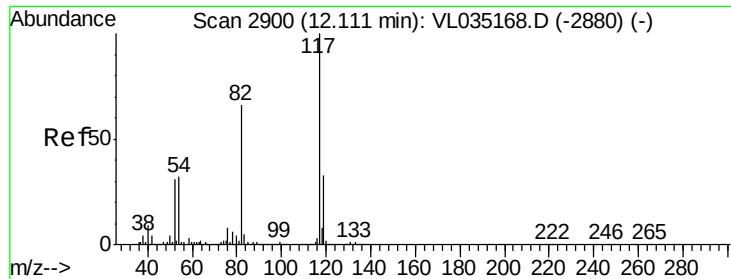
Tgt Ion: 107 Resp: 11506

Ion Ratio Lower Upper

107 100

109 103.2 74.0 111.0





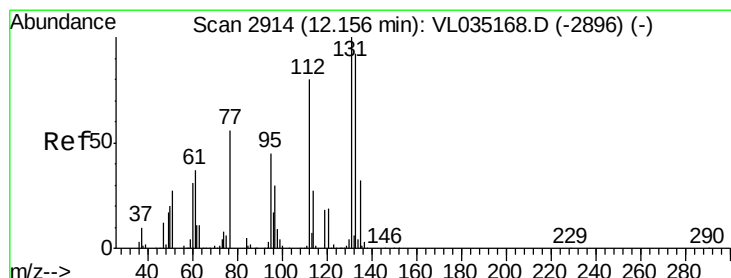
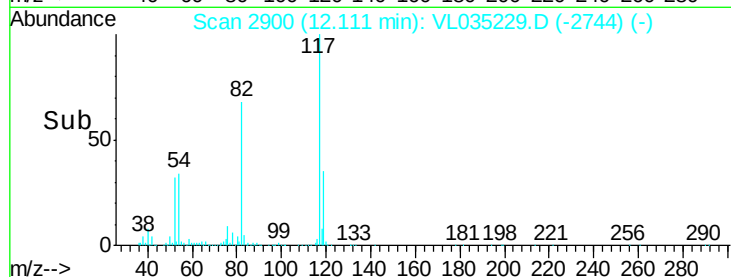
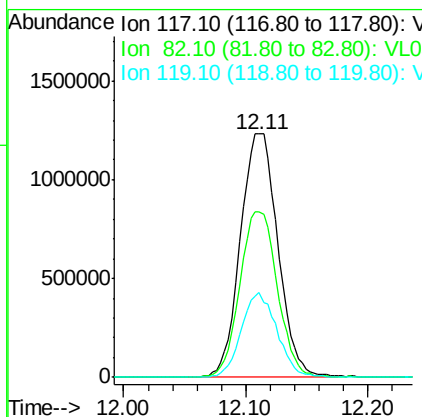
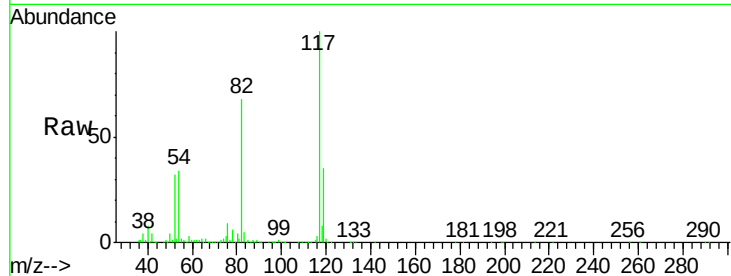
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion:117 Resp: 2613436
Ion Ratio Lower Upper
117 100
82 68.2 52.3 78.5
119 33.3 24.9 37.3

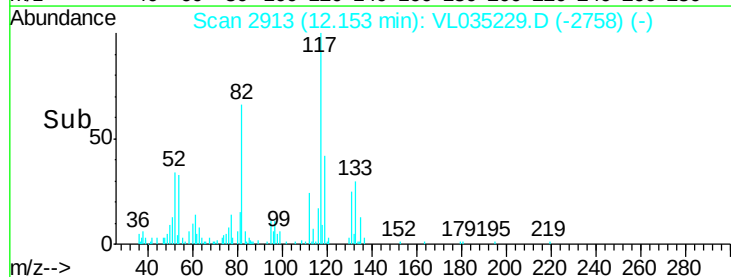
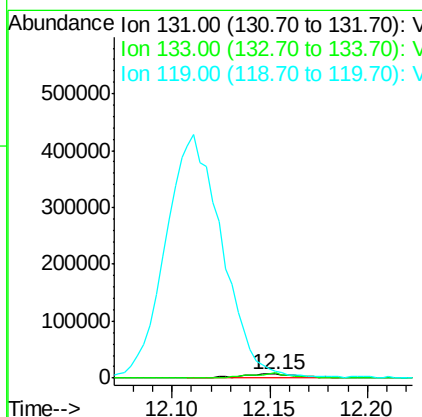
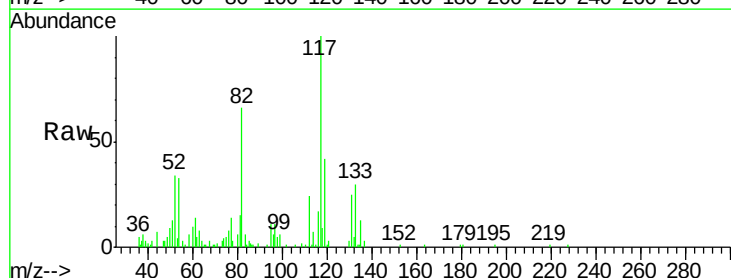
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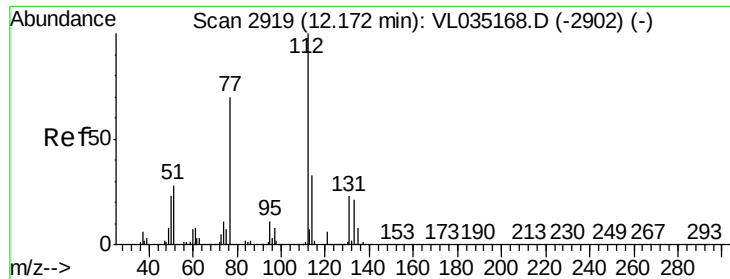
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.132 ppbv m
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion:131 Resp: 15300
Ion Ratio Lower Upper
131 100
133 94.8 75.4 113.2
119 0.0 42.4 63.6#





#57

Chlorobenzene

Concen: 0.138 ppbv m

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

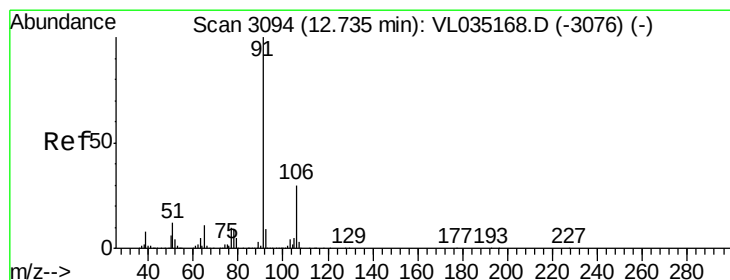
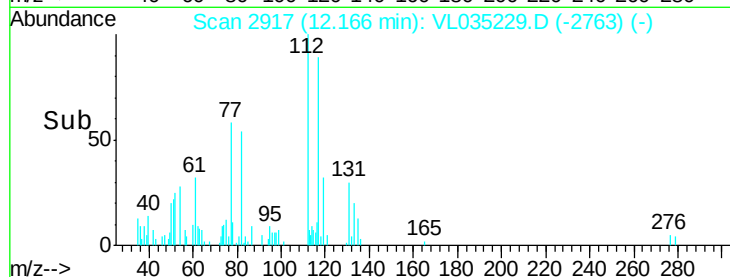
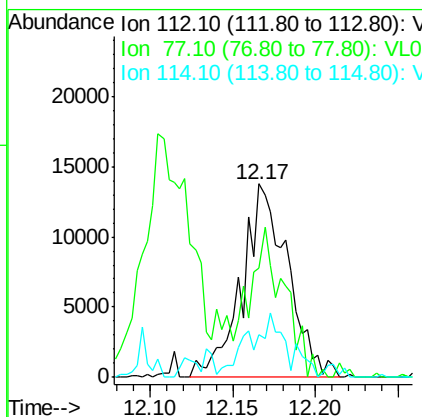
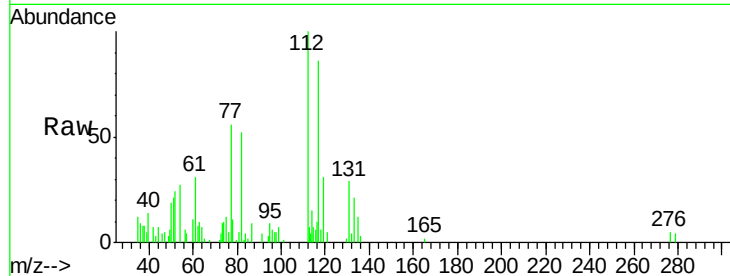
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	112	Resp:	26514
Ion Ratio	Lower	Upper	
112	100		
77	56.2	57.0	85.4#
114	15.3	30.2	37.0#

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#58

Ethyl Benzene

Concen: 0.057 ppbv m

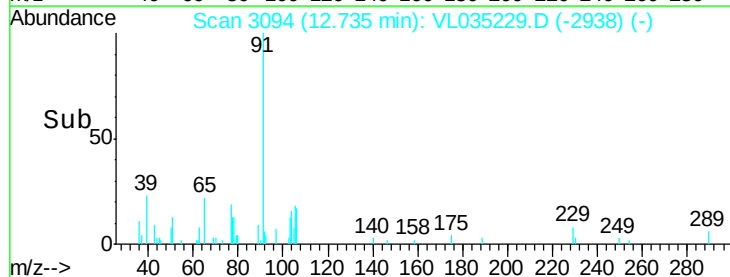
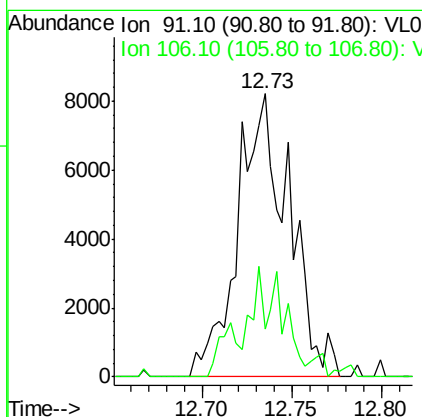
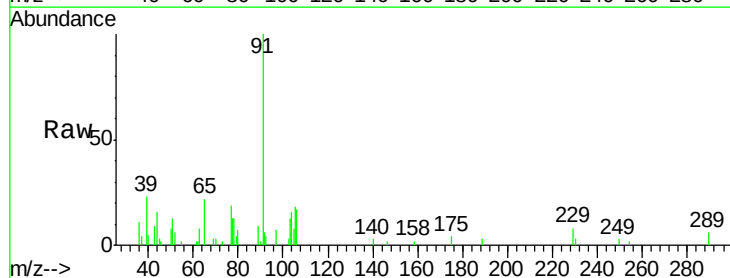
RT: 12.73 min Scan# 3094

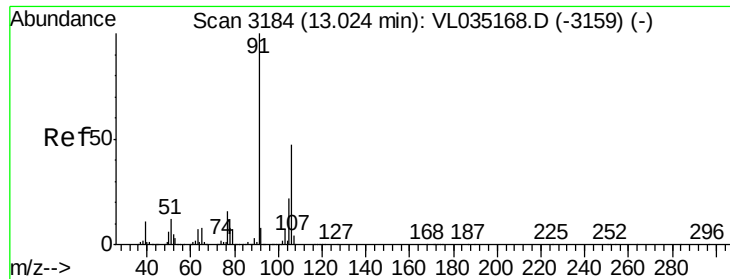
Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion:	91	Resp:	16355
Ion Ratio	Lower	Upper	
91	100		
106	17.1	24.2	36.2#





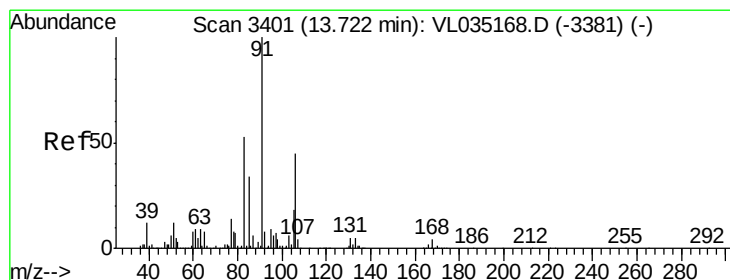
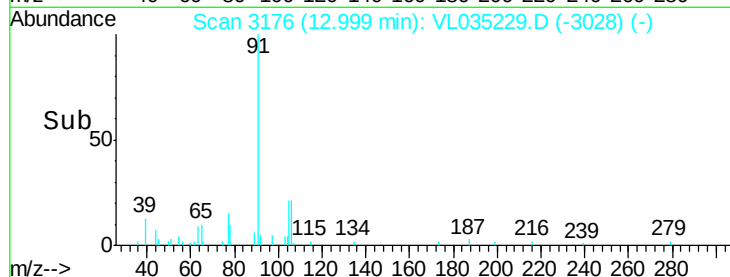
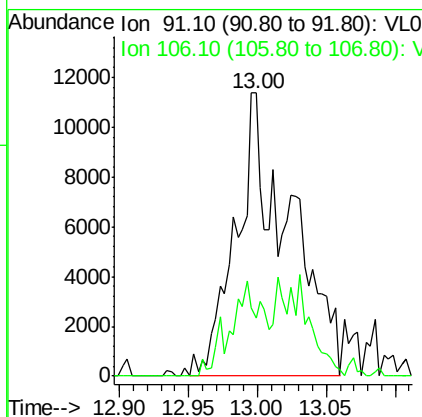
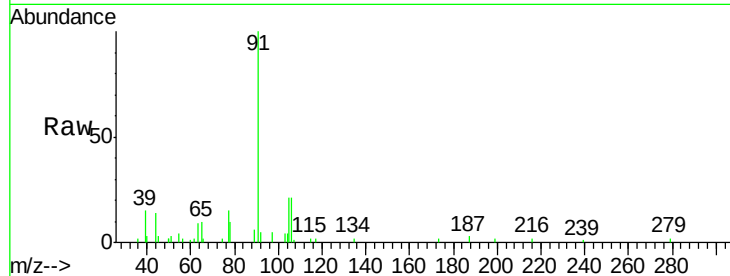
#59
m/p-Xylene
Concen: 0.118 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.03 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 30411
Ion Ratio Lower Upper
91 100
106 22.0 36.2 54.2#

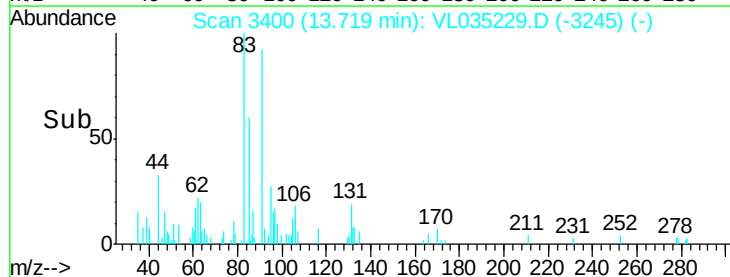
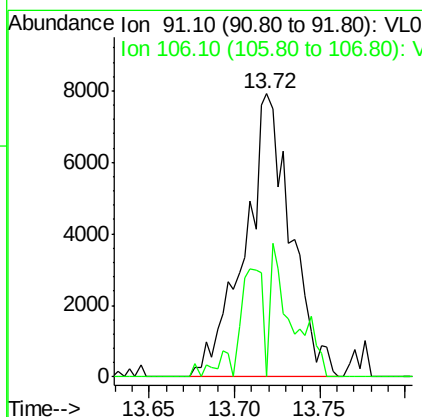
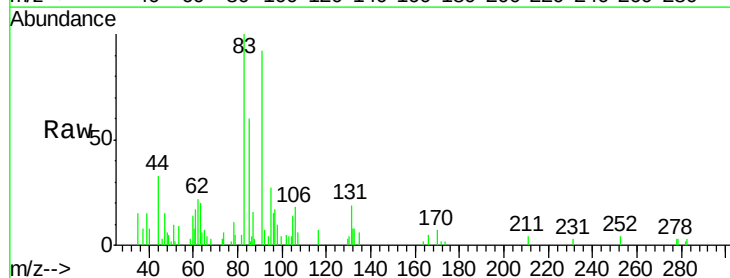
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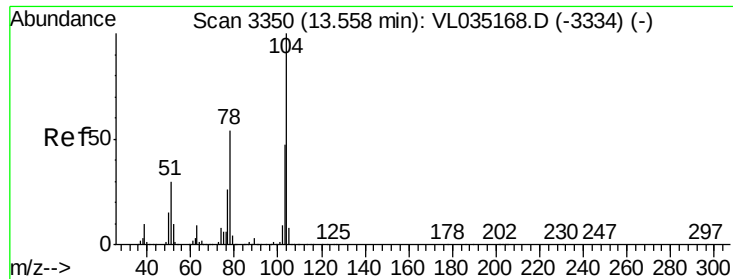
MMDadoda
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#60
o-Xylene
Concen: 0.058 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion: 91 Resp: 14859
Ion Ratio Lower Upper
91 100
106 42.5 22.1 66.3





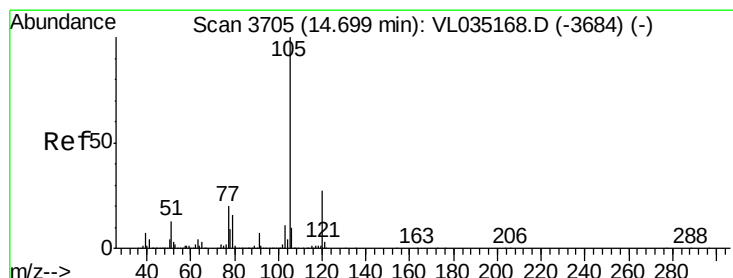
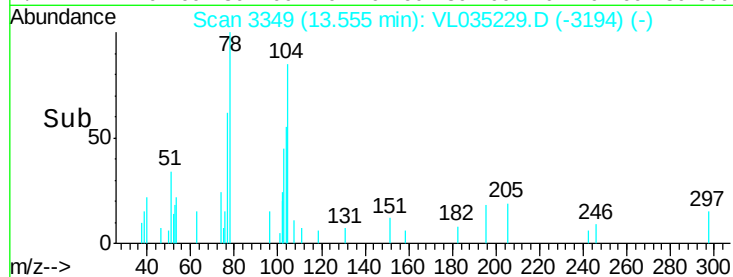
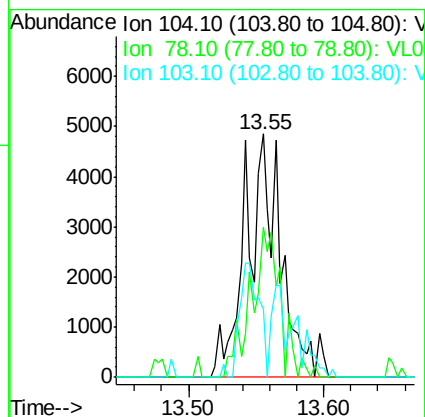
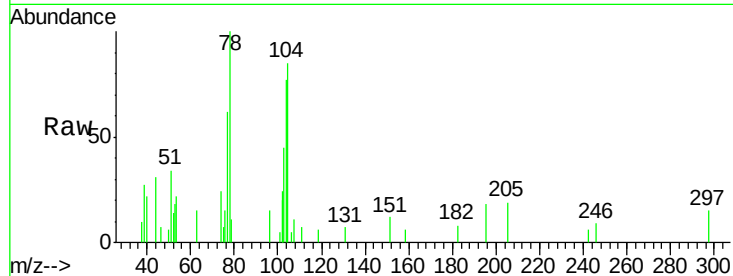
#61
 Styrene
 Concen: 0.055 ppbv m
 RT: 13.55 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	8764		
78	51.5	43.4	65.0	
103	0.0	37.4	56.0#	

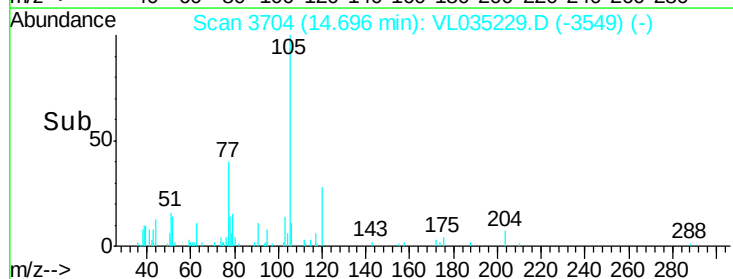
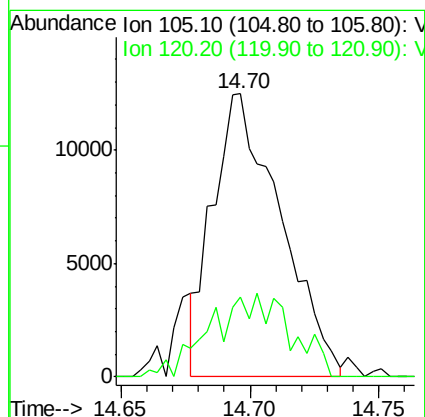
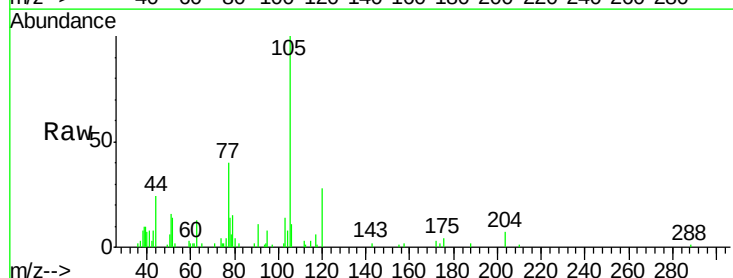
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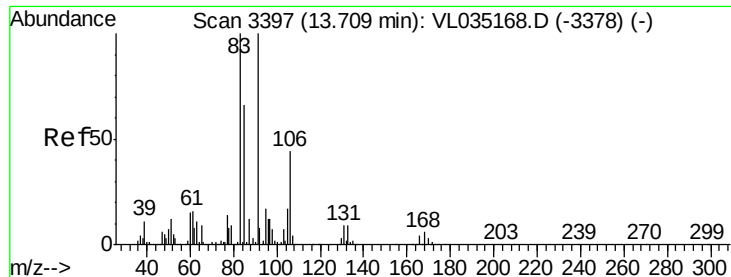
MMDadoda
 7/27/2020 12:29:51 PM



#62
 Isopropylbenzene
 Concen: 0.060 ppbv
 RT: 14.70 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	22741		
120	34.6	20.7	31.1#	





#63

1,1,2,2-Tetrachloroethane

Concen: 0.123 ppbv m

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

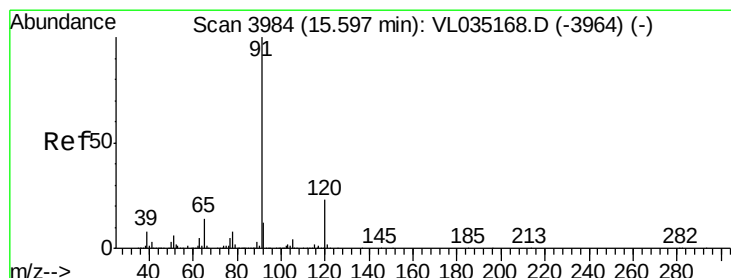
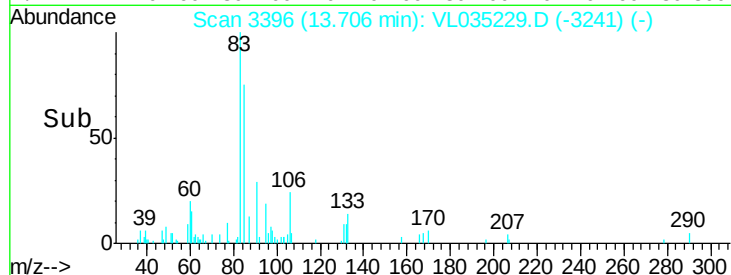
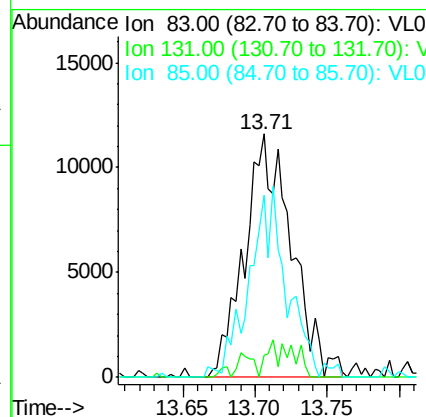
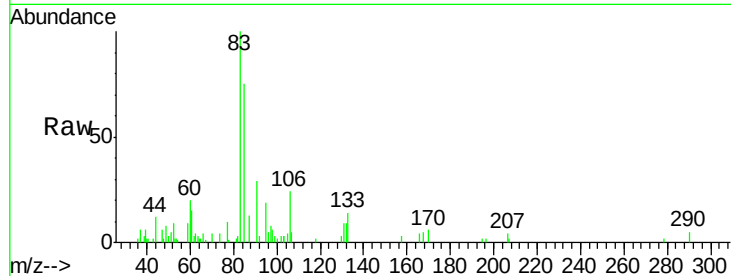
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	83	Resp:	26294
Ion Ratio	Lower	Upper	
83	100		
131	12.2	4.7	14.0
85	62.3	33.0	99.0

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7/27/2020 12:29:51 PM



#64

n-propylbenzene

Concen: 0.051 ppbv m

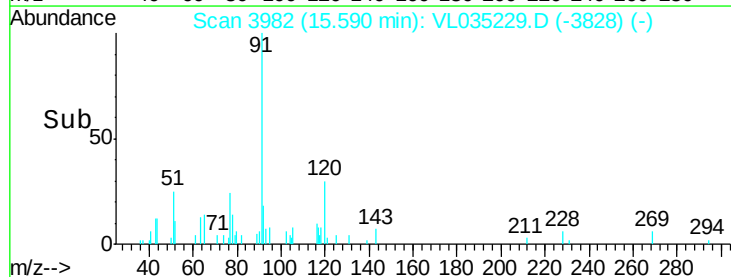
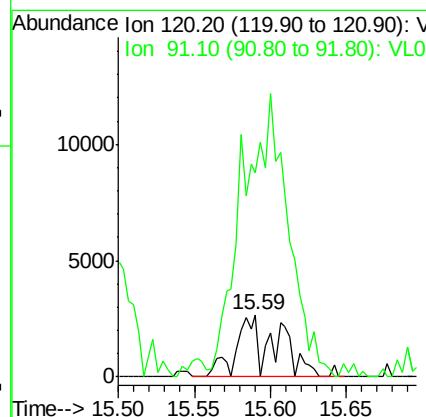
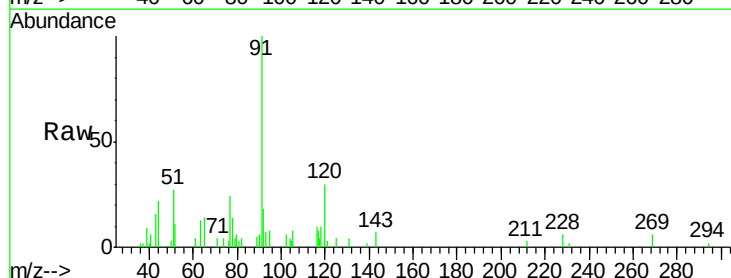
RT: 15.59 min Scan# 3982

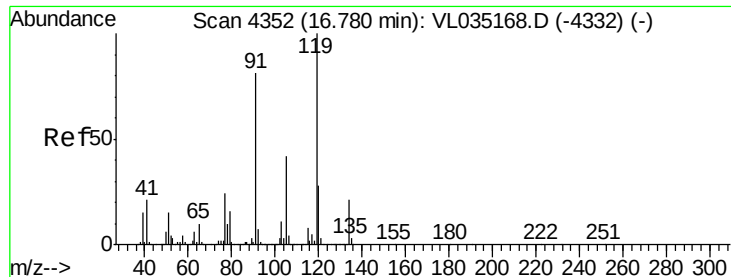
Delta R.T. -0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion:	120	Resp:	5020
Ion Ratio	Lower	Upper	
120	100		
91	52.9	372.4	558.6#





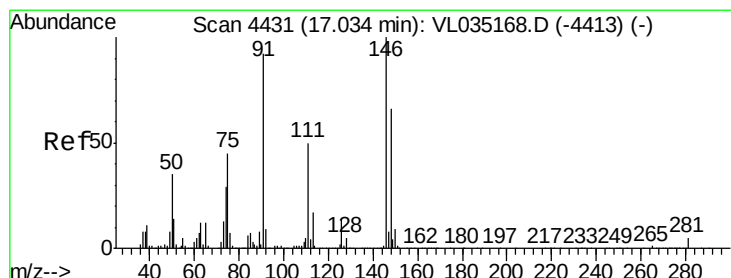
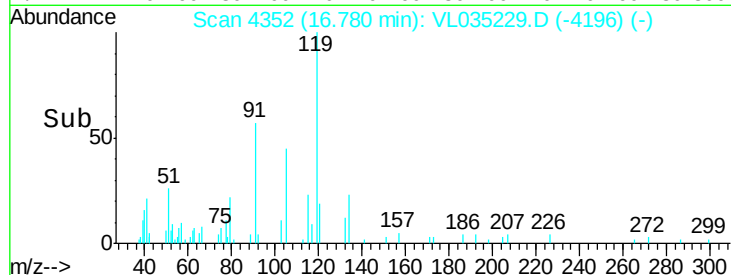
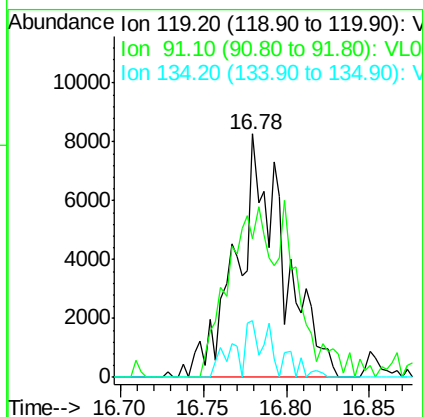
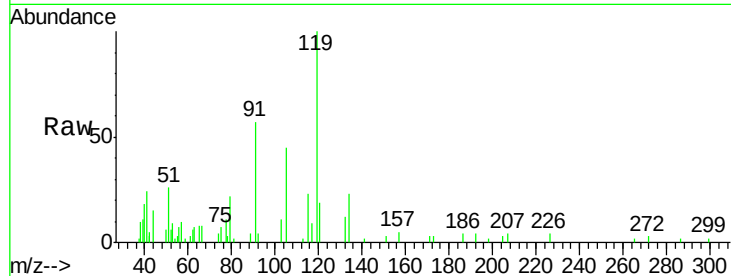
#65
tert-Butylbenzene
Concen: 0.048 ppbv m
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	16245		
91	0.0	67.5	101.3#	
134	18.2	16.0	24.0	

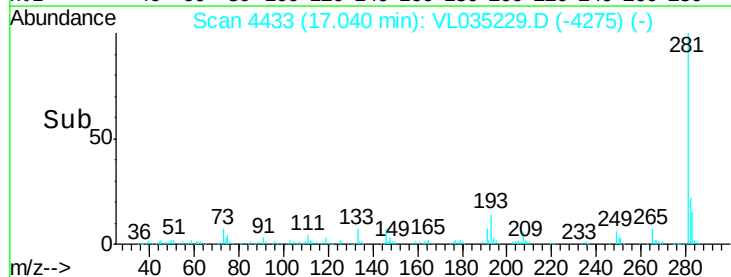
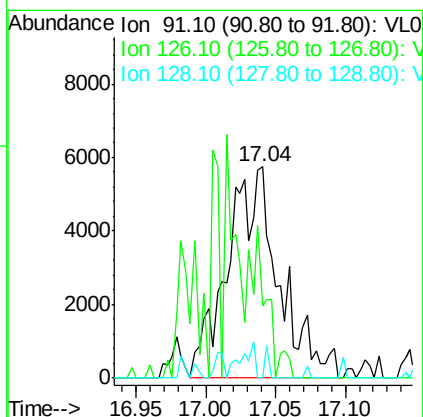
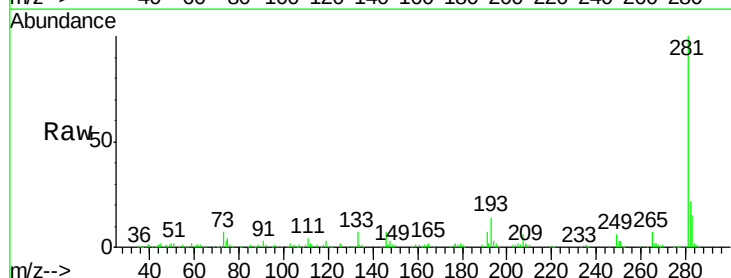
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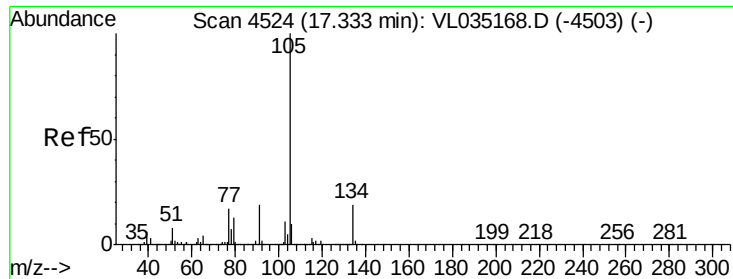
MMDadoda
7/27/2020 12:29:51 PM



#66
Benzyl Chloride
Concen: 0.122 ppbv m
RT: 17.04 min Scan# 4433
Delta R.T. 0.01 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	14812		
126	23.5	13.9	20.9#	
128	8.4	4.2	6.4#	





#67

sec-Butylbenzene

Concen: 0.069 ppbv m

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 105 Resp: 34197

Ion Ratio Lower Upper

105 100

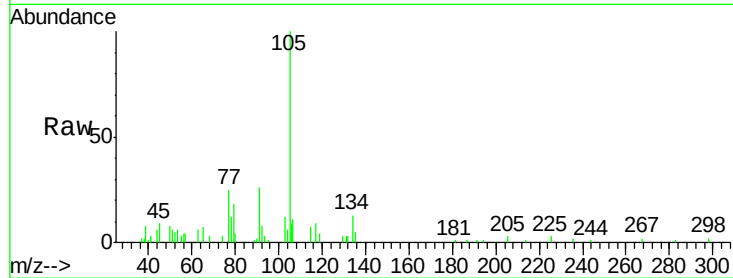
134 15.6 14.6 21.8

Manual Integrations

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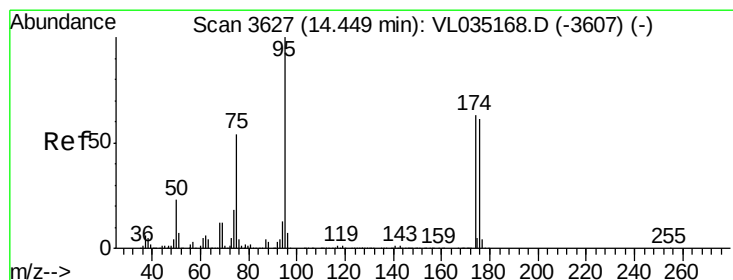
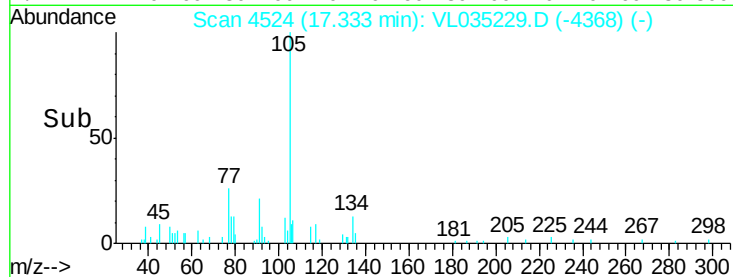
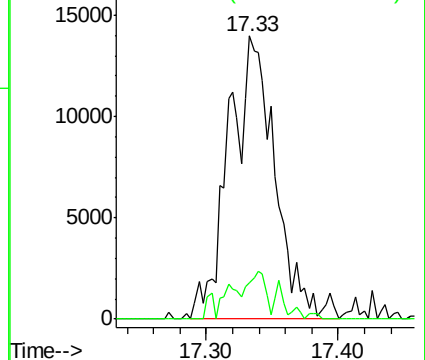
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.246 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

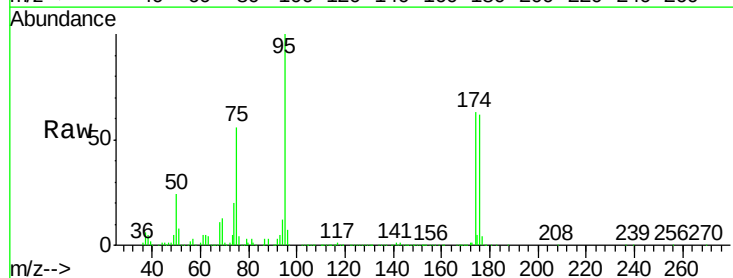
Tgt Ion: 95 Resp: 2175258

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.2

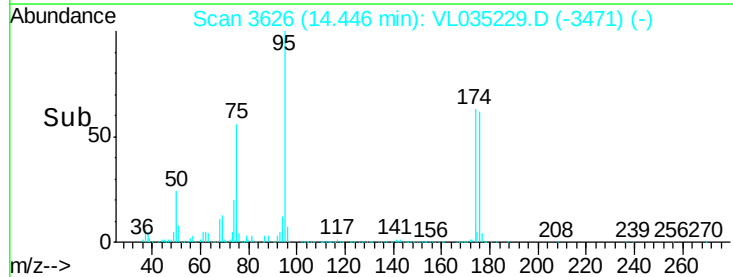
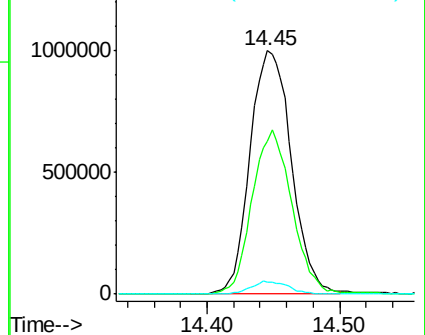
175 4.9 4.0 6.0

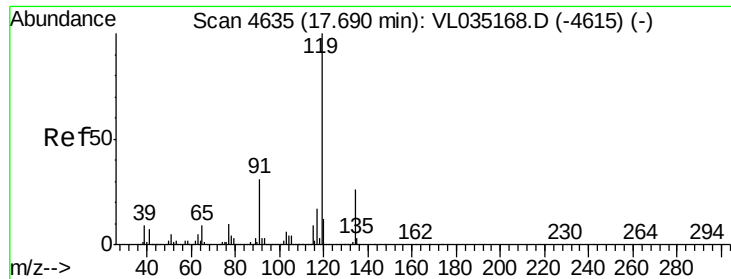


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





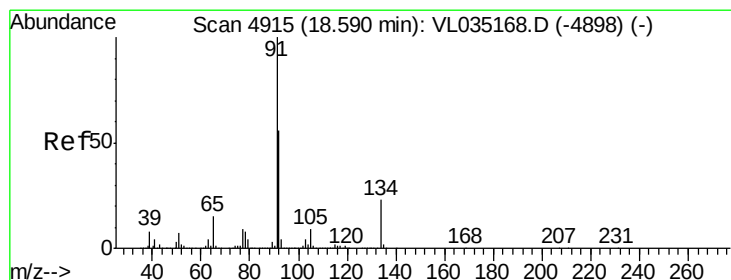
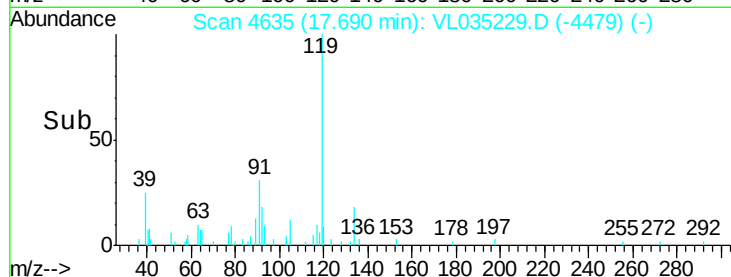
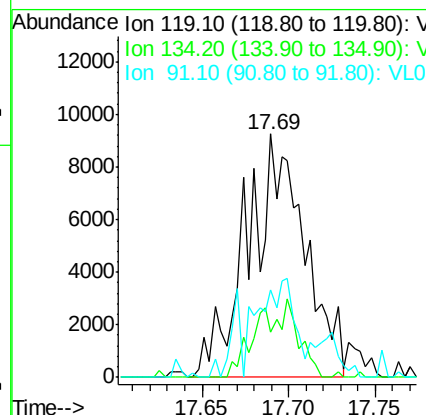
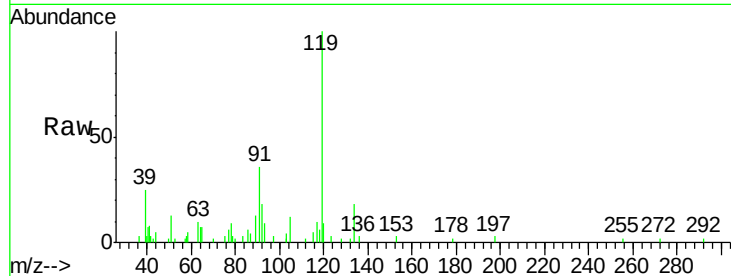
#69
p-Isopropyltoluene
Concen: 0.054 ppbv m
RT: 17.69 min Scan# 4635
Delta R.T. 0.00 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	21130		
134	0.0	20.8	31.2#	
91	0.0	24.9	37.3#	

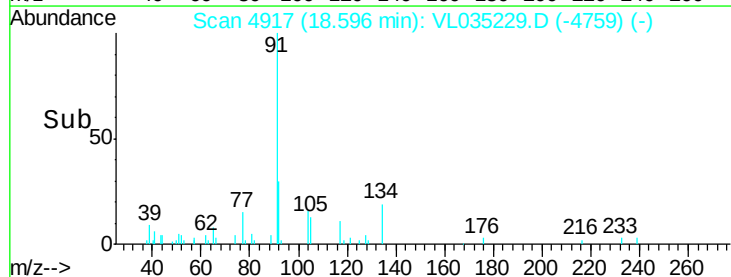
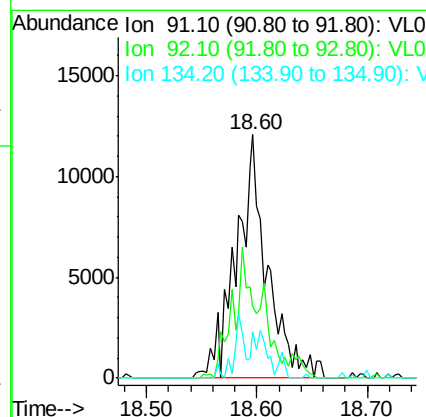
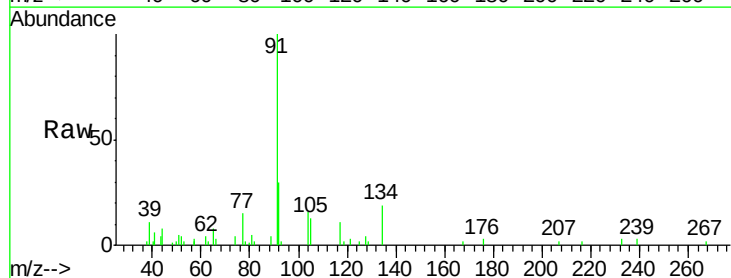
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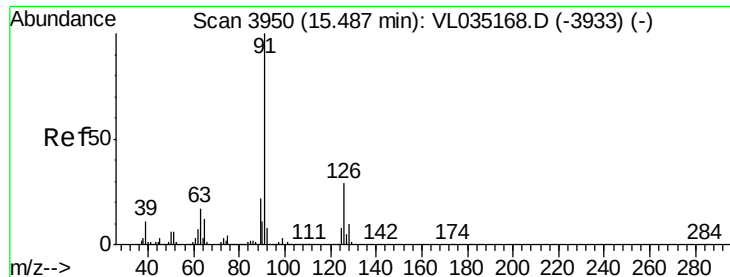
MMDadoda
7/27/2020 12:29:51 PM



#70
n-Butylbenzene
Concen: 0.057 ppbv m
RT: 18.60 min Scan# 4917
Delta R.T. 0.01 min
Lab File: VL035229.D
Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23587		
92	51.1	44.0	66.0	
134	19.7	18.0	27.0	





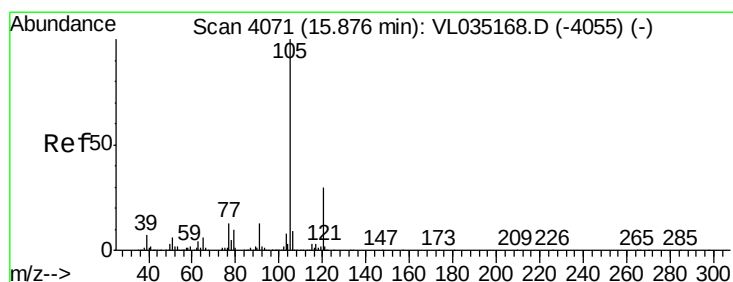
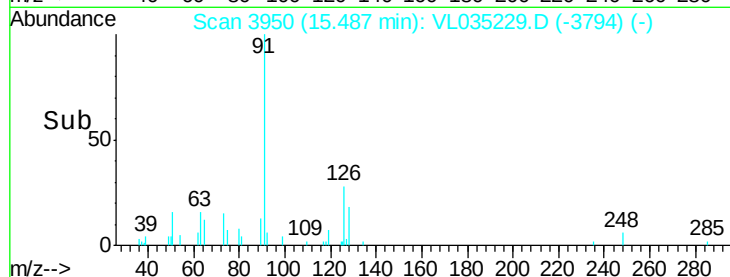
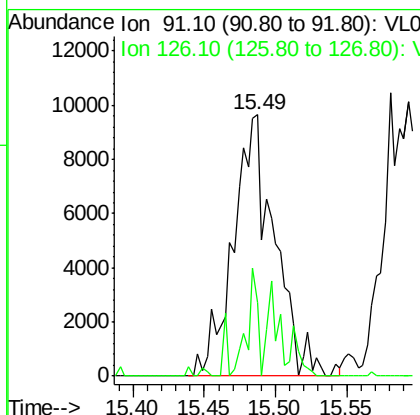
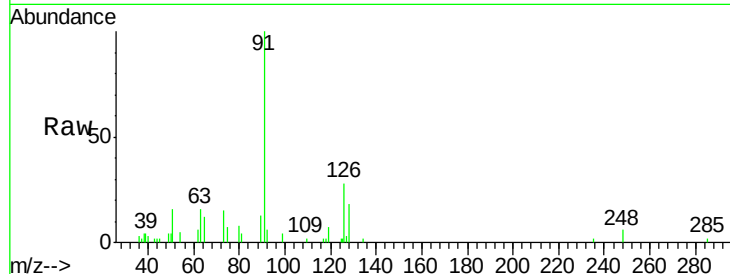
#71
 2-Chlorotoluene
 Concen: 0.068 ppbv m
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 19484
 Ion Ratio Lower Upper
 91 100
 126 25.9 12.0 48.0

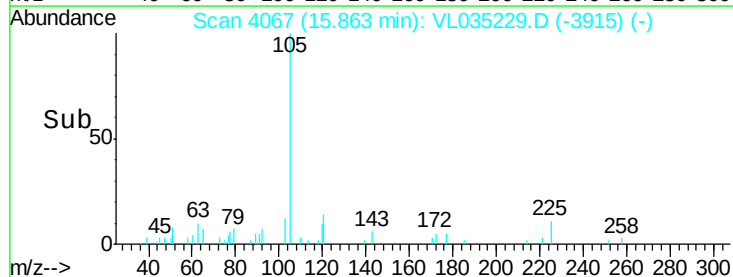
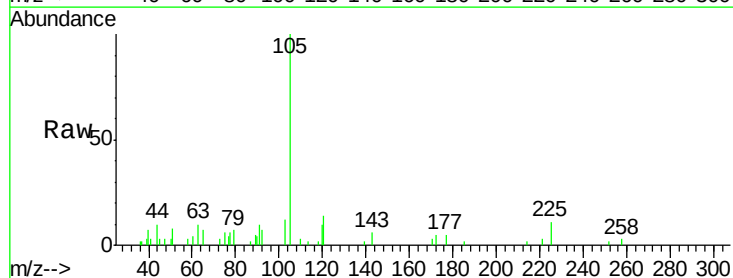
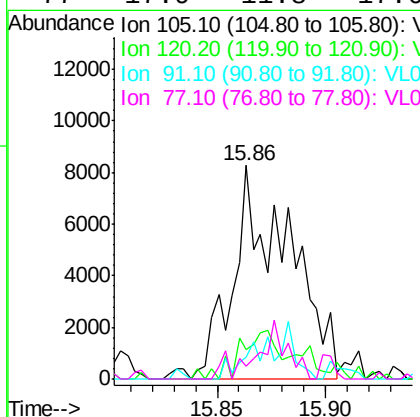
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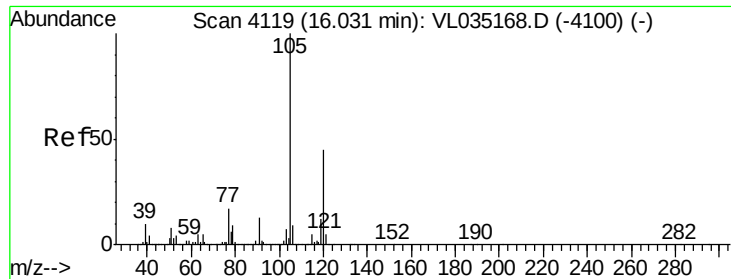
MMDadoda
 7/27/2020 12:29:51 PM



#72
 4-Ethyltoluene
 Concen: 0.051 ppbv m
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.01 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion: 105 Resp: 14735
 Ion Ratio Lower Upper
 105 100
 120 24.5 23.2 34.8
 91 18.0 10.9 16.3#
 77 17.9 11.8 17.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.052 ppbv m

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:105 Resp: 14539

Ion Ratio Lower Upper

105 100

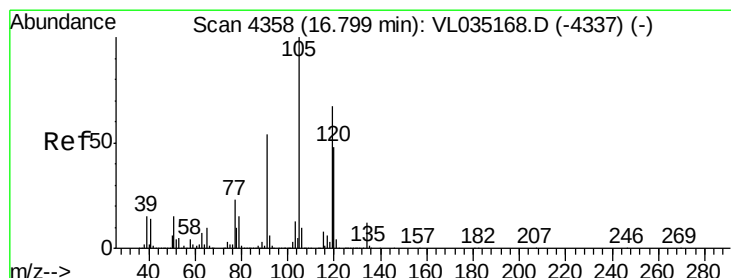
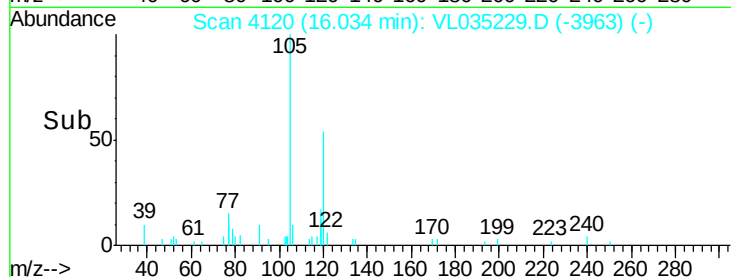
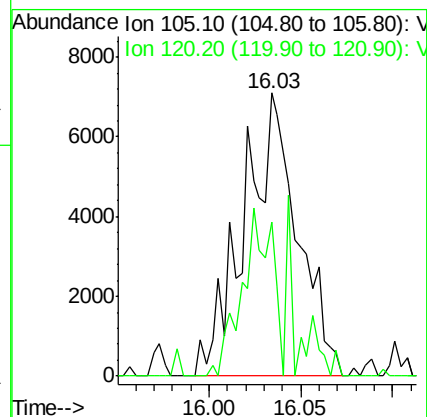
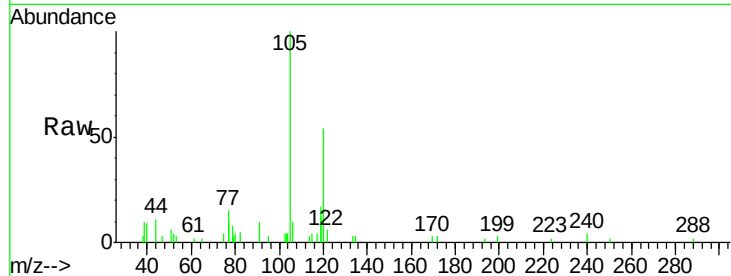
120 54.4 36.2 54.2#

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#74

1,2,4-Trimethylbenzene

Concen: 0.050 ppbv m

RT: 16.81 min Scan# 4362

Delta R.T. 0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion:105 Resp: 15405

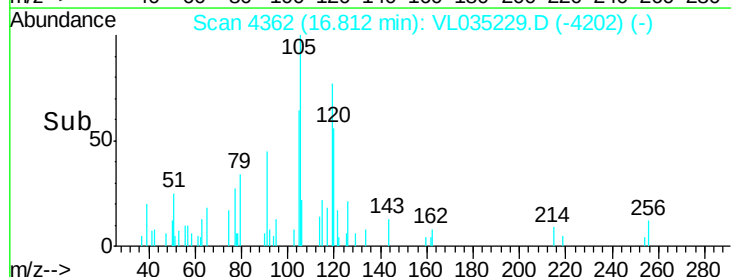
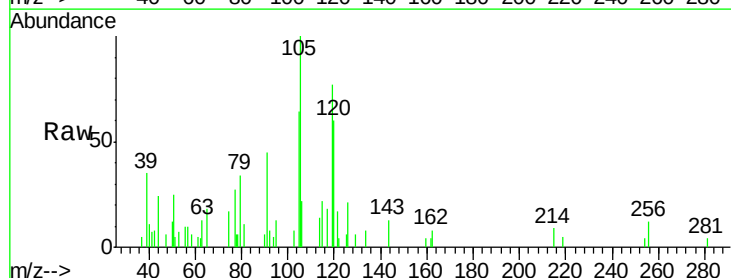
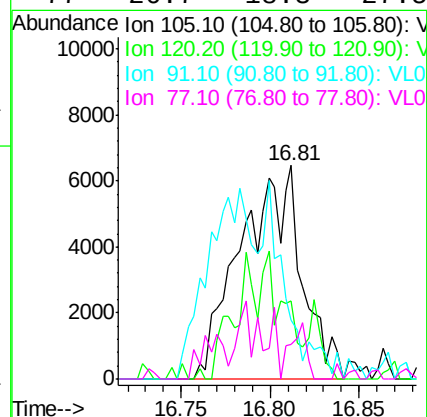
Ion Ratio Lower Upper

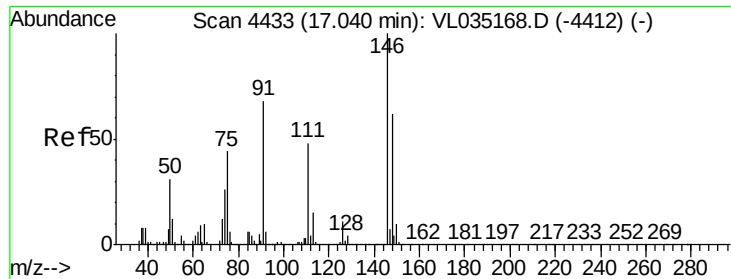
105 100

120 60.3 38.6 57.8#

91 45.5 43.6 65.4

77 26.7 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 0.161 ppbv m

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

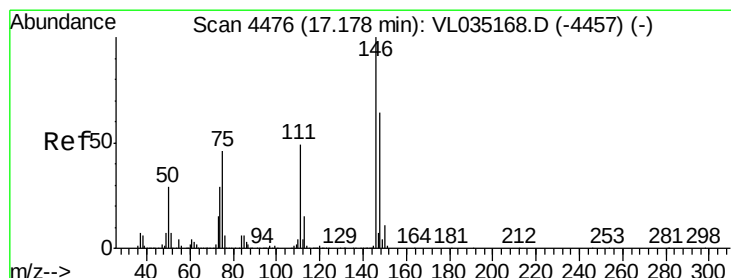
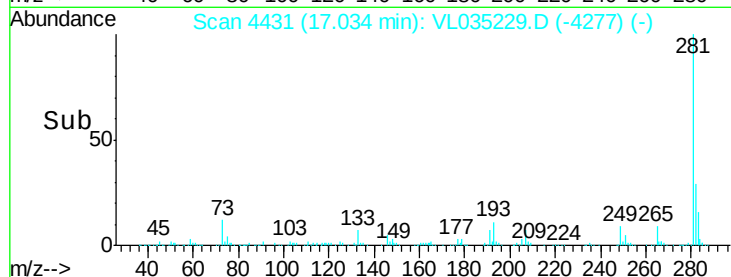
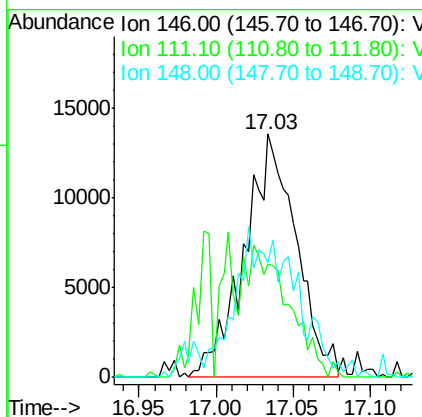
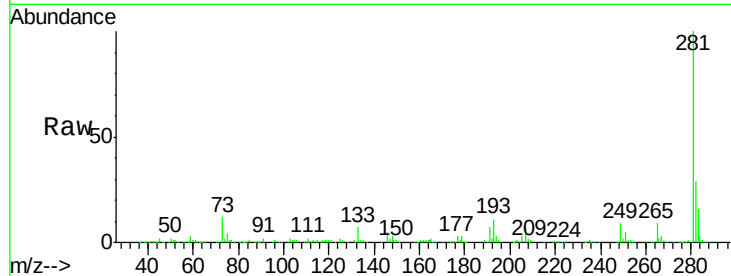
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	146	Resp:	31508
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.7	74.1#
148	0.0	32.4	97.0#

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#76

1,4-Dichlorobenzene

Concen: 0.105 ppbv m

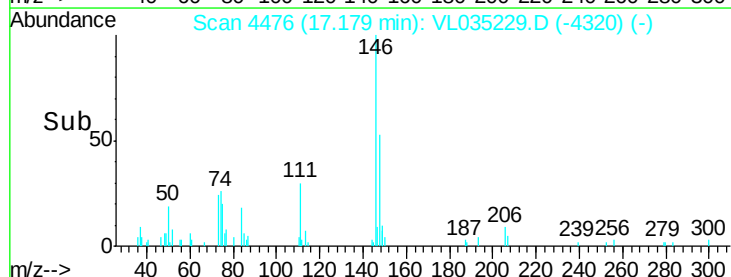
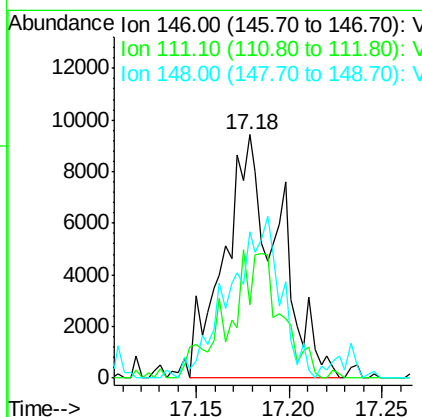
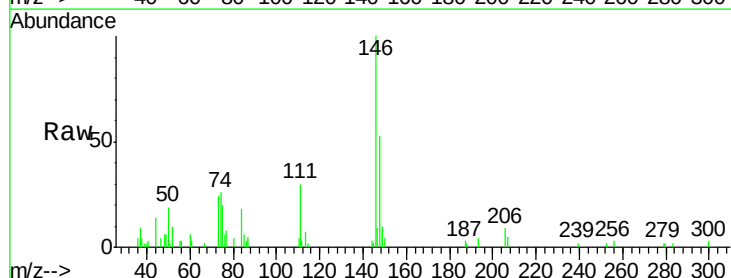
RT: 17.18 min Scan# 4476

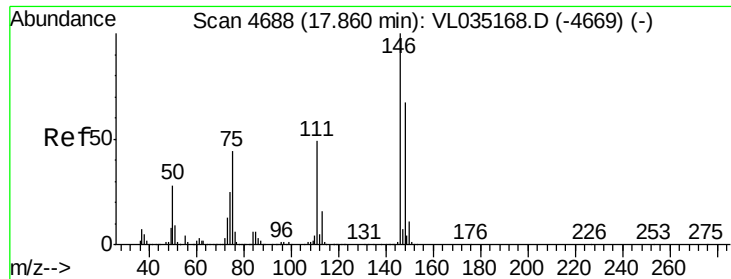
Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion:	146	Resp:	19104
Ion Ratio	Lower	Upper	
146	100		
111	51.6	23.8	71.2
148	0.0	32.3	96.9#





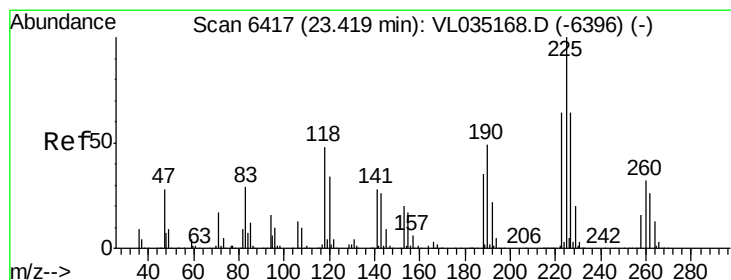
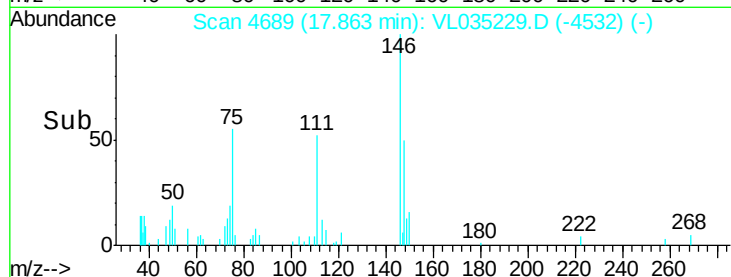
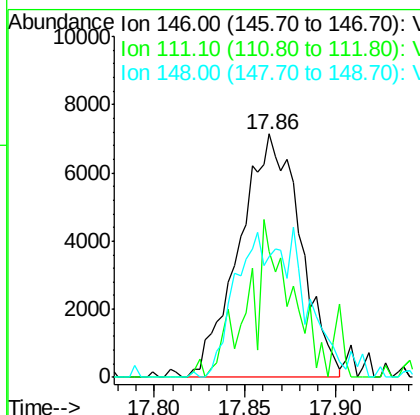
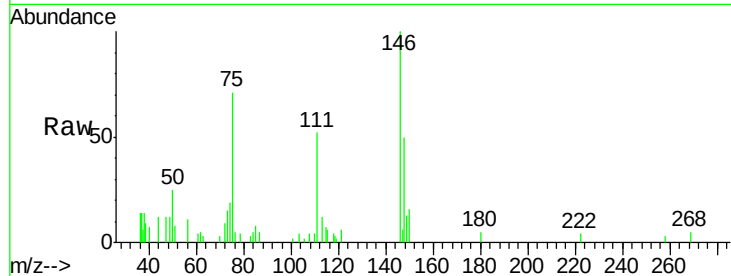
#77
 1,2-Dichlorobenzene
 Concen: 0.095 ppbv m
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	16750		
111	49.6	25.1	75.2	
148	0.0	32.4	97.0	

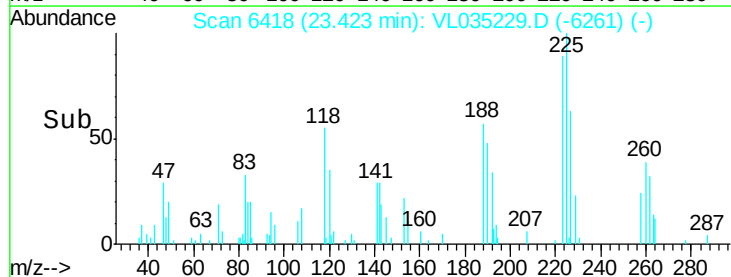
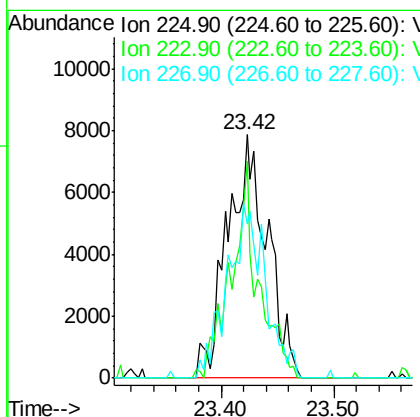
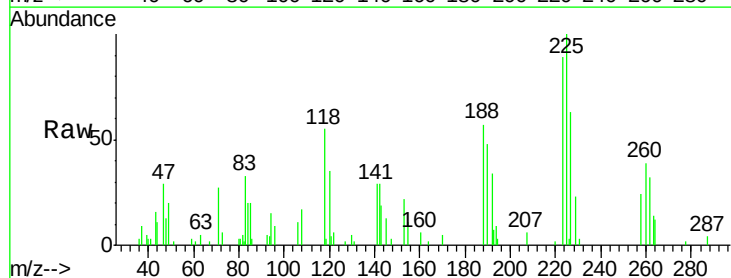
Manual Integrations
 APPROVED

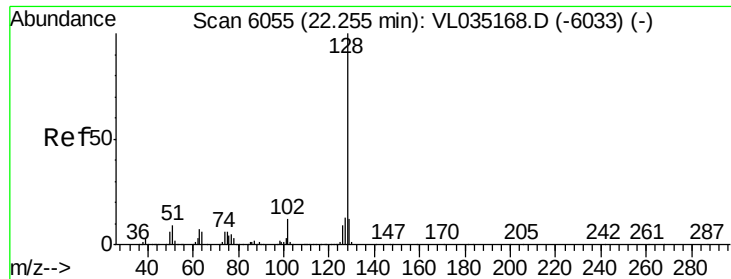
MMDadoda
 7/27/2020 12:29:51 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.138 ppbv m
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035229.D
 Acq: 23 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19185		
223	61.6	50.2	75.2	
227	68.0	51.2	76.8	





#79

Naphthalene

Concen: 0.057 ppbv m

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Instrument :

MSVOA_L

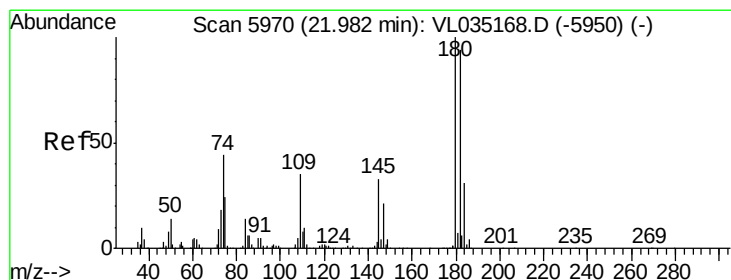
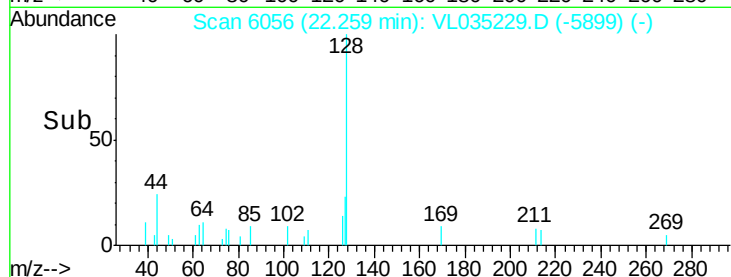
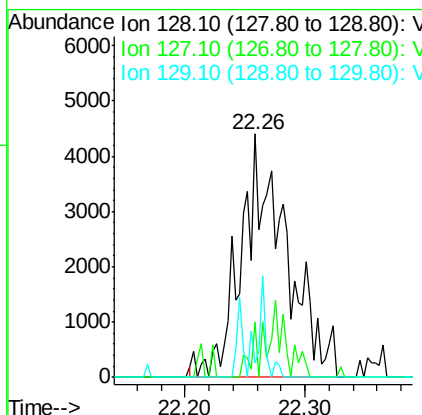
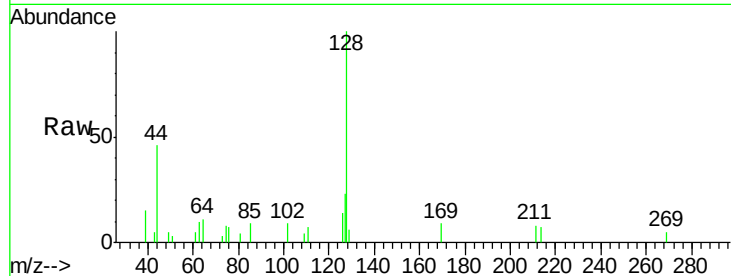
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	128	Resp:	11281
Ion Ratio	Lower	Upper	
128	100		
127	22.6	10.8	16.2#
129	5.7	9.4	14.2#

Manual Integrations
APPROVED

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#81

1,2,4-Trichlorobenzene

Concen: 0.073 ppbv m

RT: 22.00 min Scan# 5976

Delta R.T. 0.02 min

Lab File: VL035229.D

Acq: 23 Jul 2020 15:10

Tgt Ion:	180	Resp:	9205
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.7	115.1#
184	0.0	25.0	37.6#

