

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036390.D
 Acq On : 25 Feb 2021 20:43
 Operator : SY/AP
 Sample : M1458-13 0.4LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:03:11 AM

Quant Time: Feb 26 15:58:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1513930	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3270101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3045799	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2523460	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	130968	0.580	ppbv	96
3) Chlorodifluoromethane	2.97	51	96890	0.515	ppbv	99
4) Chloromethane	3.12	50	47251m	0.520	ppbv	
5) Vinyl Chloride	3.24	62	38182	0.451	ppbv #	86
6) Bromomethane	3.46	94	21968	0.437	ppbv	94
7) Chloroethane	3.54	64	12632	0.420	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	102830	0.500	ppbv	93
9) Propene	3.00	41	42967m	0.613	ppbv	
10) Heptane	8.10	43	84188m	0.407	ppbv	
11) Trichlorofluoromethane	3.93	101	111455	0.504	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	66614	0.486	ppbv	98
13) Ethanol	3.61	45	7632m	0.579	ppbv	
14) Bromoethene	3.73	108	24209	0.422	ppbv #	93
15) Acetone	3.85	43	102288	0.553	ppbv #	88
16) 1,3-Butadiene	3.31	39	49059m	0.554	ppbv	
17) tert-Butyl alcohol	4.30	59	64464m	0.449	ppbv	
18) 1,1-Dichloroethene	4.27	96	30339m	0.487	ppbv	
19) Isopropyl Alcohol	3.97	45	49834m	0.486	ppbv	
20) Methylene Chloride	4.33	84	31901	0.534	ppbv #	85
21) Allyl Chloride	4.39	41	40393	0.392	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	23915	0.423	ppbv #	81
23) Vinyl Acetate	5.06	43	96539m	0.444	ppbv	
24) 1,1-Dichloroethane	4.99	63	80551m	0.501	ppbv	
25) Ethyl Acetate	5.67	43	142881	0.400	ppbv #	93
26) Hexane	5.67	57	58684	0.400	ppbv #	79
27) Carbon Disulfide	4.53	76	52353m	0.388	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	78728m	0.411	ppbv	
29) Chloroform	5.73	83	114434	0.484	ppbv	98
30) Cyclohexane	7.11	84	55736m	0.457	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	55904	0.385	ppbv #	90
32) 1,1,1-Trichloroethane	6.49	97	103732	0.469	ppbv	96
34) 2-Butanone	5.24	43	71426	0.329	ppbv #	83
35) Carbon Tetrachloride	7.00	117	99282	0.453	ppbv #	94
36) Benzene	6.87	78	111112m	0.400	ppbv	
37) 1,2-Dichloroethane	6.29	62	79253	0.461	ppbv #	94
38) Trichloroethene	7.82	130	43497m	0.437	ppbv	
39) 1,2-Dichloropropane	7.60	63	58768m	0.521	ppbv	
40) 1,4-Dioxane	7.86	88	19887m	0.509	ppbv	
41) Tetrahydrofuran	6.07	42	41183m	0.340	ppbv	
42) Bromodichloromethane	7.77	83	98204	0.427	ppbv #	94
43) Methyl Methacrylate	8.00	69	35617	0.304	ppbv #	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	219684	0.435	ppbv	90
45) t-1,3-Dichloropropene	9.25	75	33345m	0.295	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	39157	0.273	ppbv #	84
47) 1,1,2-Trichloroethane	9.45	97	55354m	0.479	ppbv	
48) Dibromochloromethane	10.29	129	66713	0.387	ppbv	95
49) Bromoform	13.02	173	55754m	0.400	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	110192	0.342	ppbv	97
51) 2-Hexanone	10.13	43	77799m	0.317	ppbv	
52) Tetrachloroethene	11.21	164	43570m	0.428	ppbv	
53) Toluene	9.79	91	103695	0.345	ppbv	95
54) 1,2-Dibromoethane	10.59	107	73499m	0.440	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	65916	0.471	ppbv #	1
57) Chlorobenzene	12.13	112	117180	0.498	ppbv #	85
58) Ethyl Benzene	12.70	91	148712m	0.357	ppbv	
59) m/p-Xylene	12.98	91	284977m	0.778	ppbv	
60) o-Xylene	13.67	91	144135	0.412	ppbv	97
61) Styrene	13.52	104	64143m	0.295	ppbv	
62) Isopropylbenzene	14.65	105	232061m	0.442	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	121948	0.441	ppbv	87
64) n-propylbenzene	15.55	120	46312m	0.358	ppbv	
65) tert-Butylbenzene	16.73	119	165316	0.368	ppbv	84
66) Benzyl Chloride	16.98	91	37581m	0.308	ppbv	
67) sec-Butylbenzene	17.28	105	238673	0.368	ppbv	95
69) p-Isopropyltoluene	17.64	119	181809m	0.363	ppbv	
70) n-Butylbenzene	18.54	91	164317	0.306	ppbv	95
71) 2-Chlorotoluene	15.44	91	154876	0.385	ppbv	95
72) 4-Ethyltoluene	15.83	105	141443	0.363	ppbv	96
73) 1,3,5-Trimethylbenzene	15.99	105	128195	0.339	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	146200	0.379	ppbv #	83
75) 1,3-Dichlorobenzene	16.98	146	101174m	0.483	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	91117m	0.419	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	92162m	0.444	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	85776m	0.505	ppbv	
79) Naphthalene	22.19	128	40424m	0.177	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	3673m	0.087	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	37737m	0.270	ppbv	

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

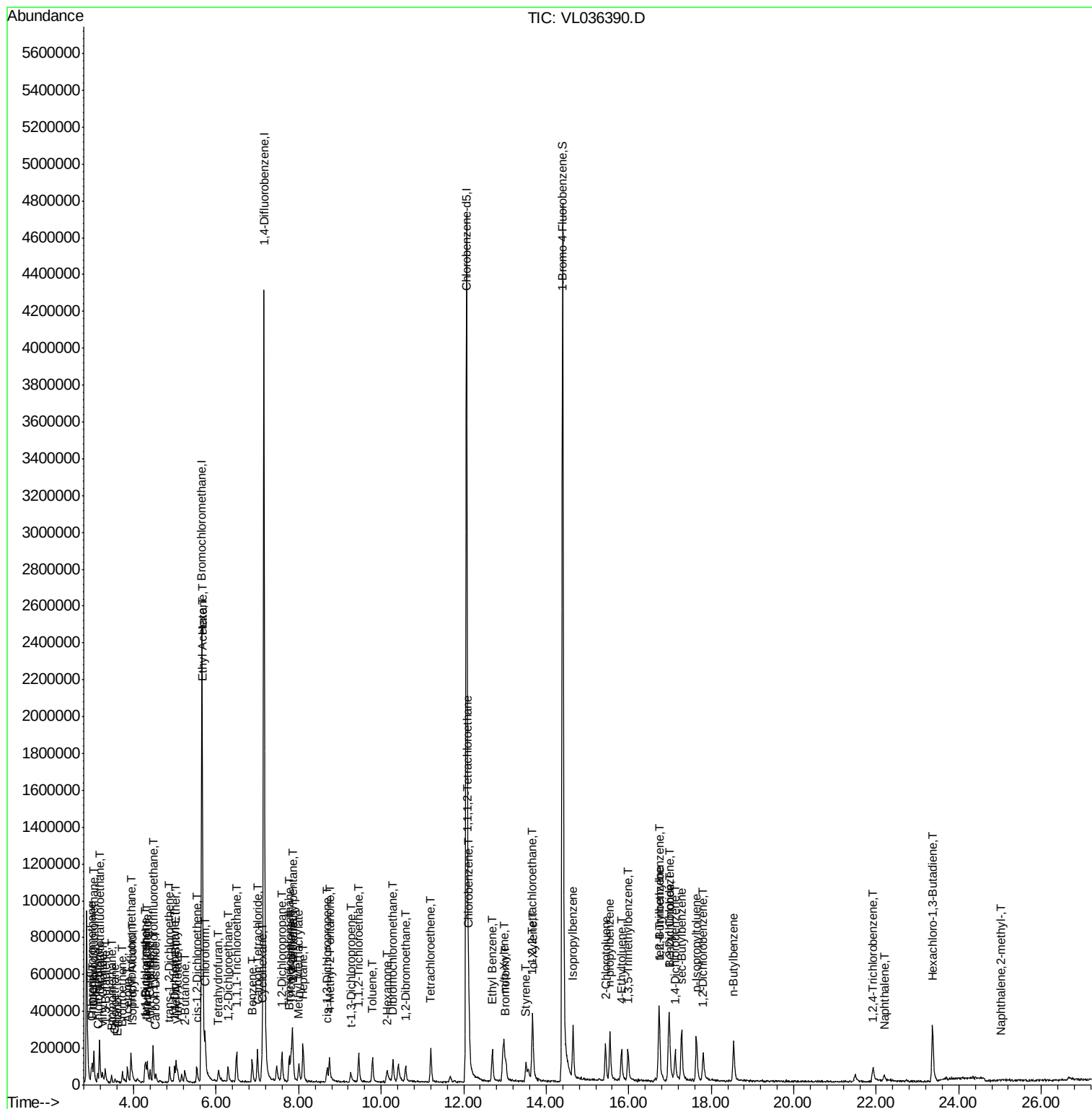
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ALS Vial : 1 Sample Multiplier: 1

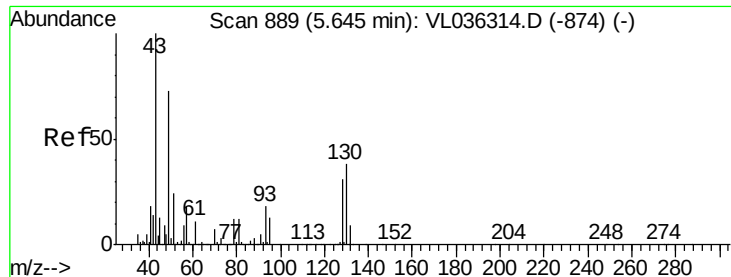
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1513930

Ion Ratio Lower Upper

49 100

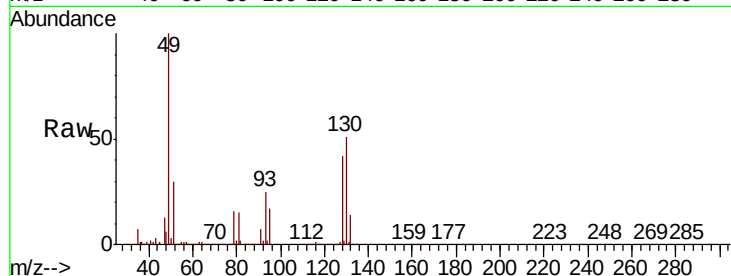
128 43.2 20.8 62.5

130 54.2 26.7 80.1

Manual Integrations
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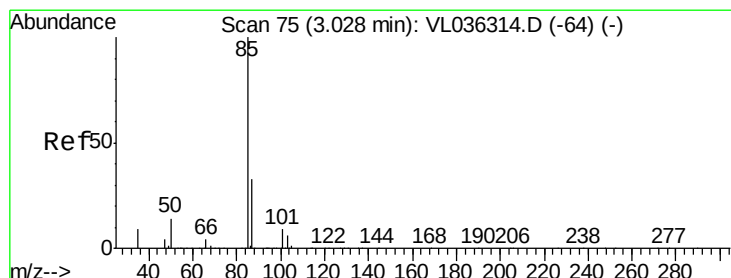
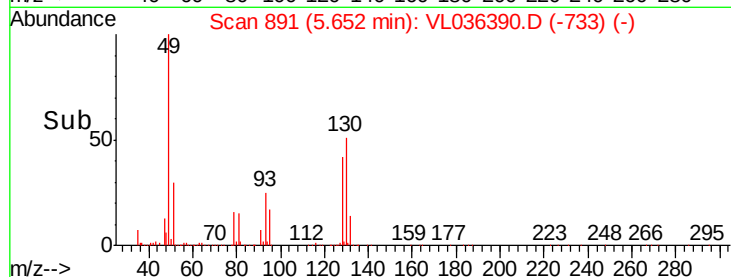
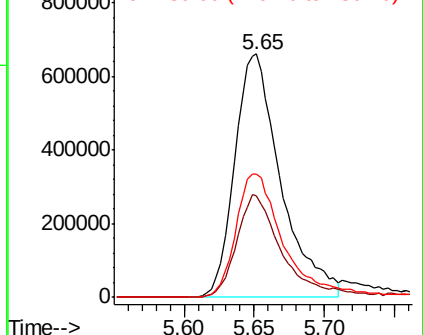
3/1/2021 10:03:11 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.580 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036390.D

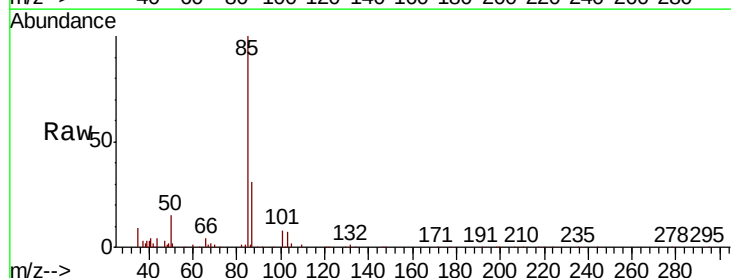
Acq: 25 Feb 2021 20:43

Tgt Ion: 85 Resp: 130968

Ion Ratio Lower Upper

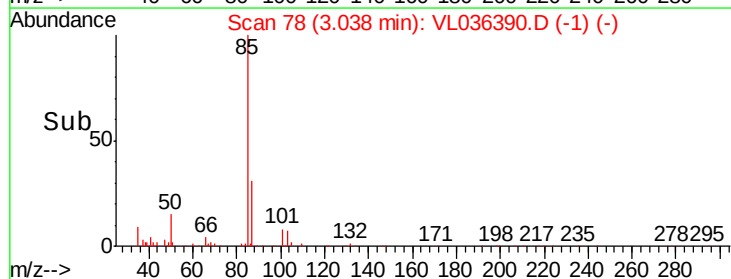
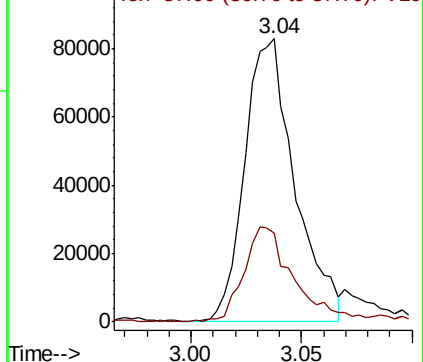
85 100

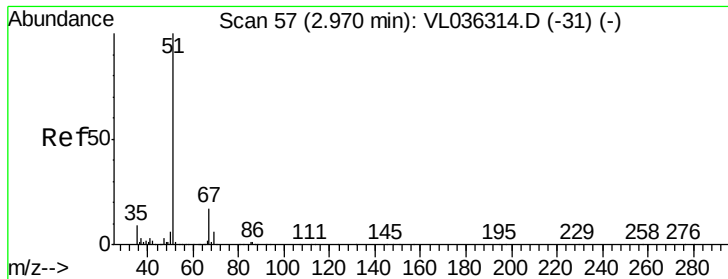
87 31.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.515 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 51 Resp: 96890

Ion Ratio Lower Upper

51 100

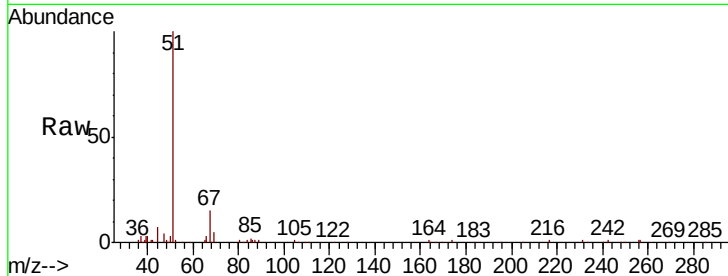
67 17.8 14.7 22.1

Manual Integrations

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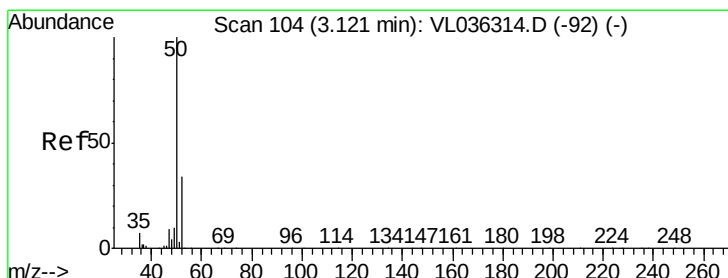
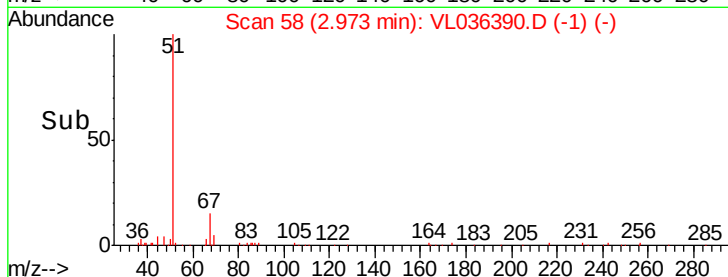
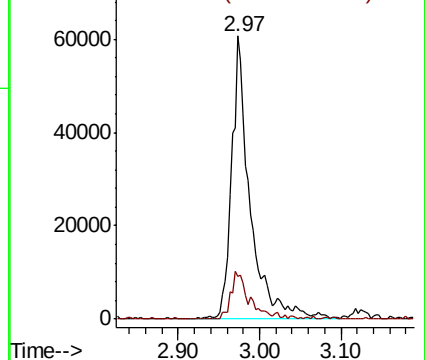
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.520 ppbv m

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL036390.D

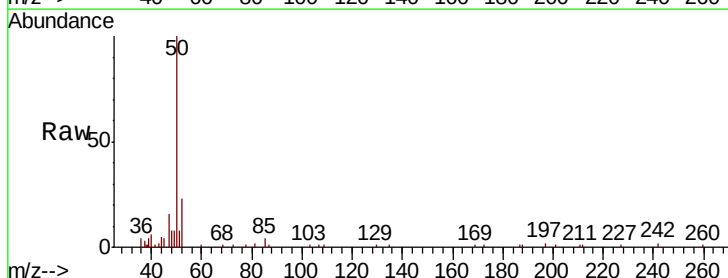
Acq: 25 Feb 2021 20:43

Tgt Ion: 50 Resp: 47251

Ion Ratio Lower Upper

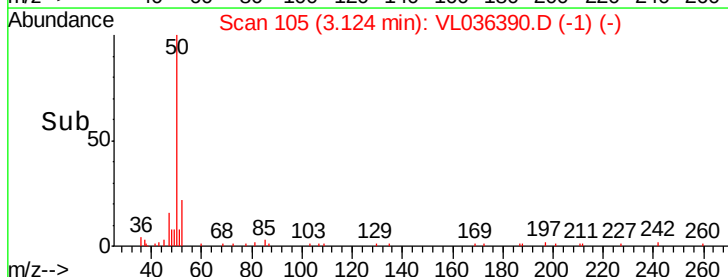
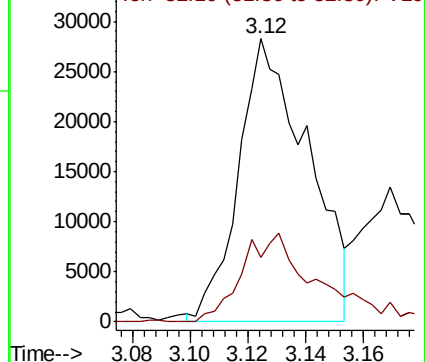
50 100

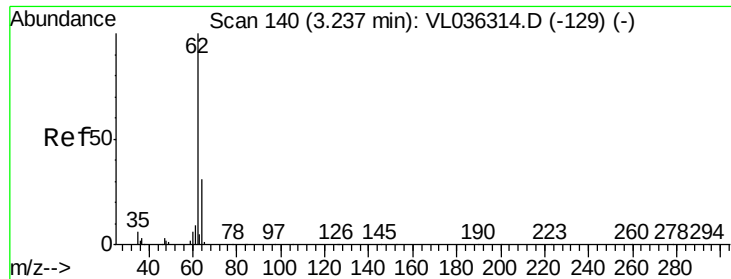
52 22.7 27.0 40.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.451 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

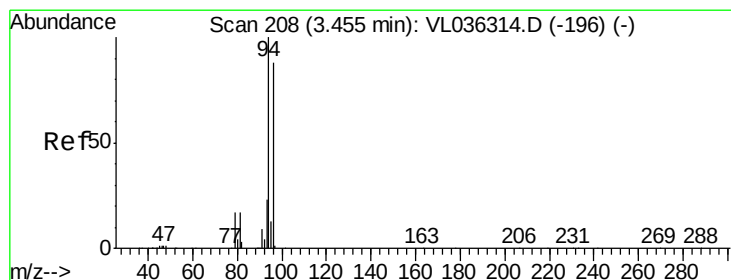
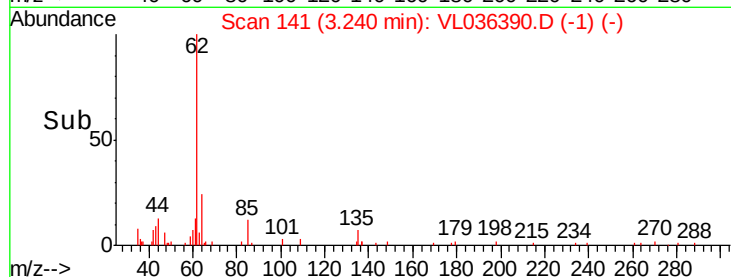
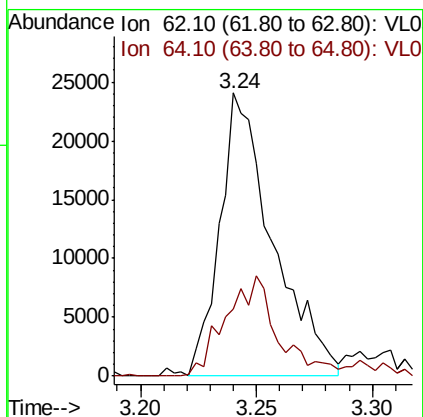
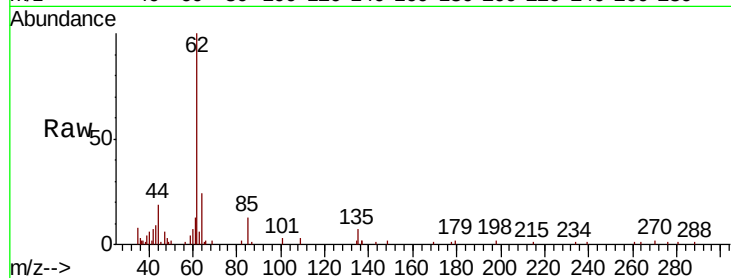
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
62	100		
64	23.1	24.4	36.6#

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#6

Bromomethane

Concen: 0.437 ppbv

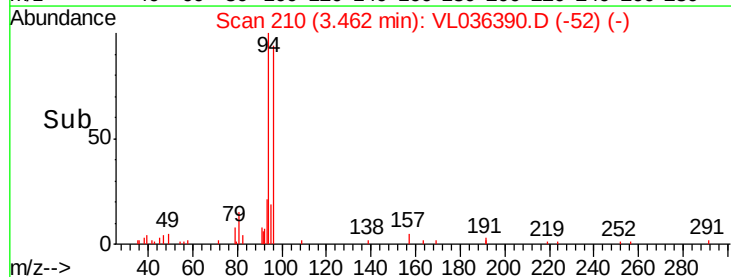
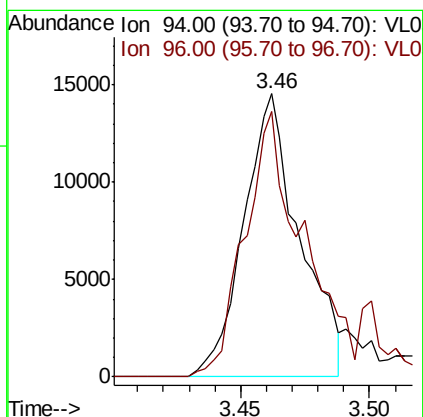
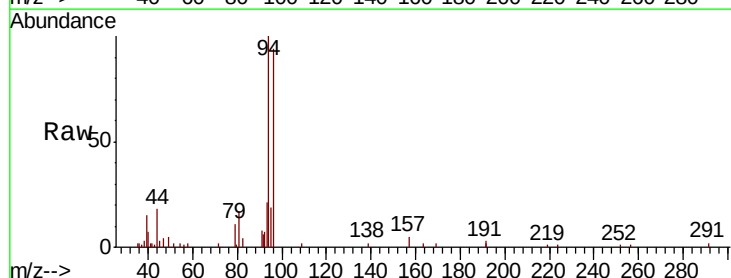
RT: 3.46 min Scan# 210

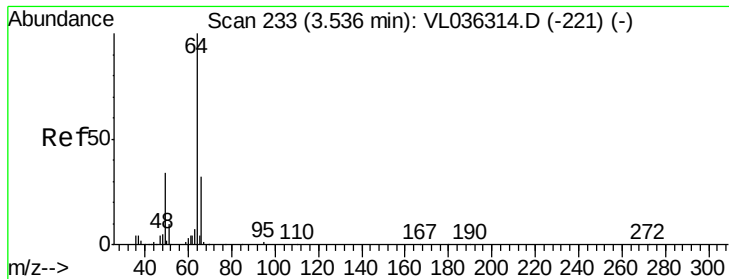
Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.7	70.8	106.2





#7

Chloroethane

Concen: 0.420 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 64 Resp: 12632

Ion Ratio Lower Upper

64 100

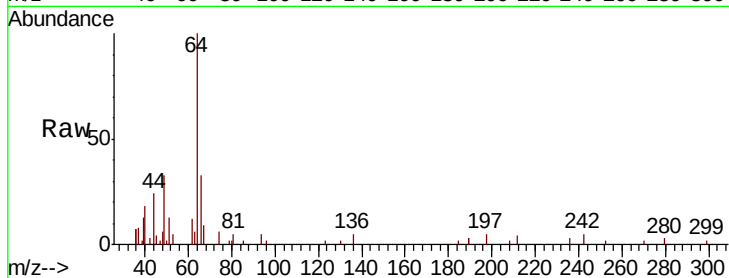
66 33.4 25.6 38.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

10000

8000

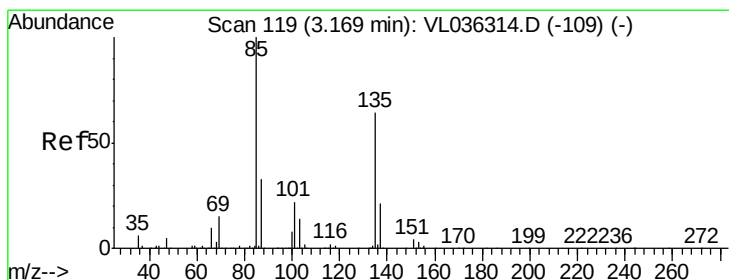
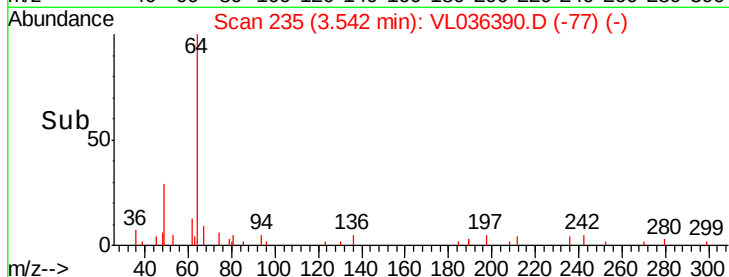
6000

4000

2000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.500 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036390.D

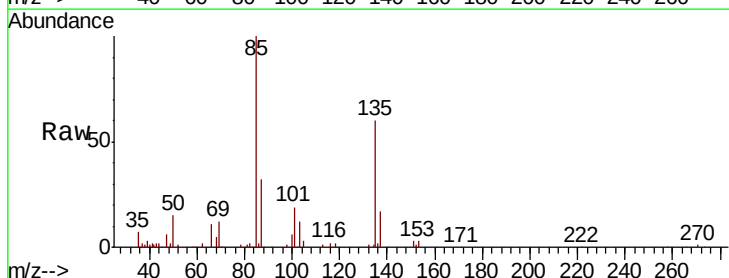
Acq: 25 Feb 2021 20:43

Tgt Ion: 85 Resp: 102830

Ion Ratio Lower Upper

85 100

135 69.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

80000

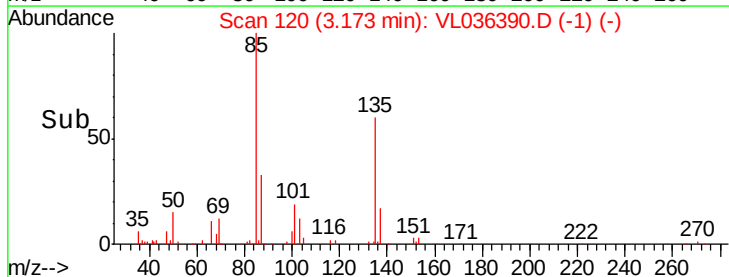
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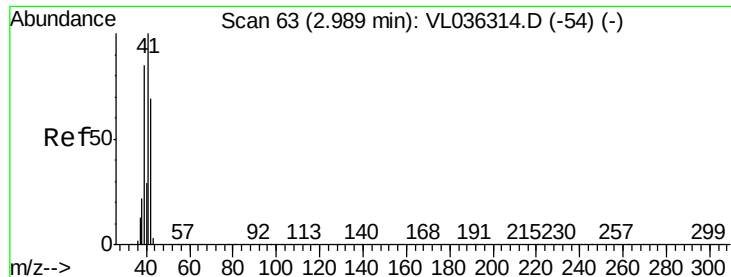
40000

20000

0

Time-->





#9

Propene

Concen: 0.613 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 41 Resp: 42967

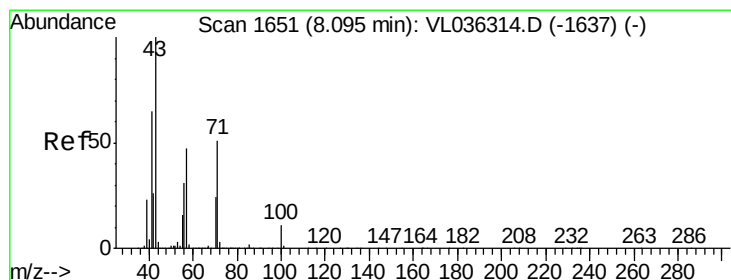
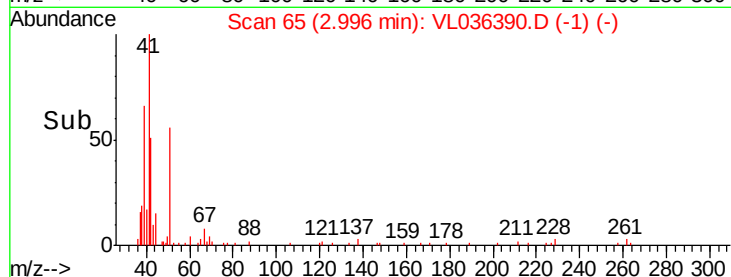
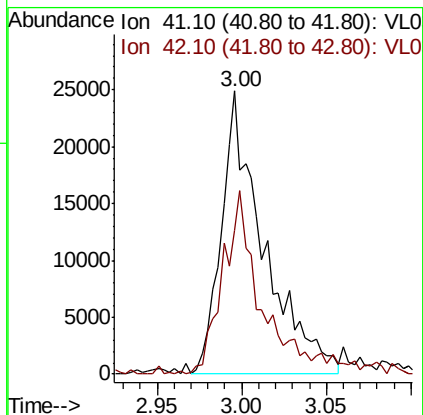
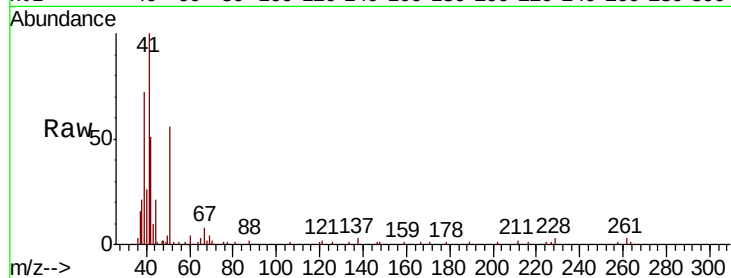
Ion Ratio Lower Upper

41 100

42 61.1 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 0.407 ppbv m

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036390.D

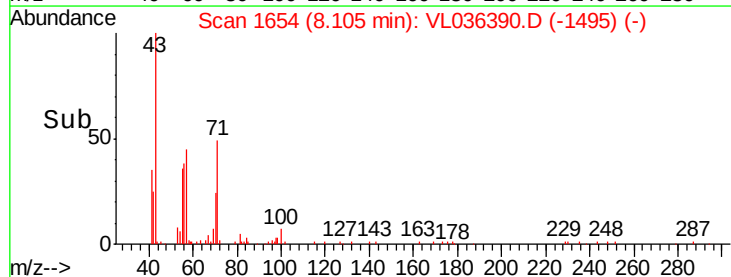
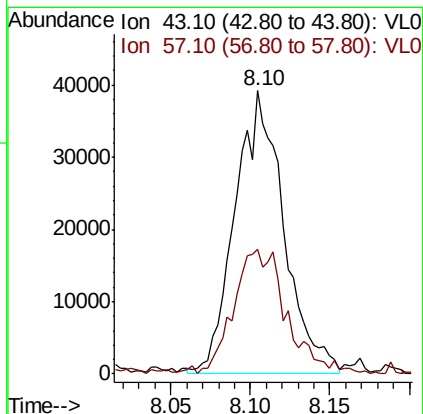
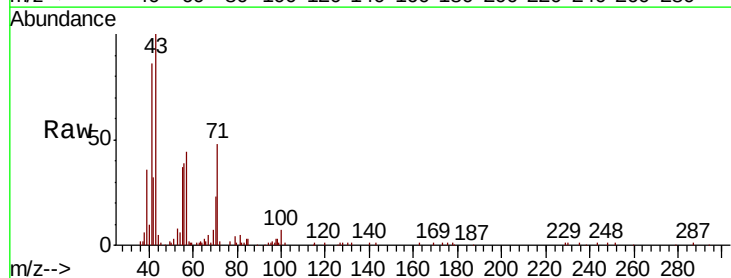
Acq: 25 Feb 2021 20:43

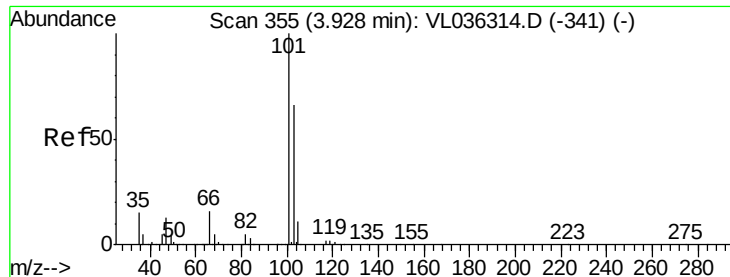
Tgt Ion: 43 Resp: 84188

Ion Ratio Lower Upper

43 100

57 47.9 39.4 59.2





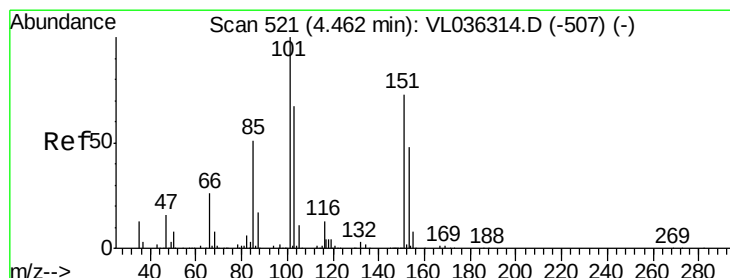
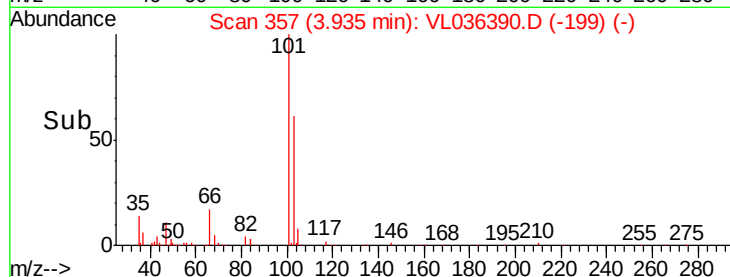
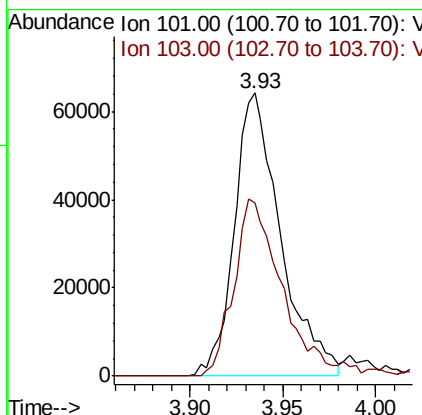
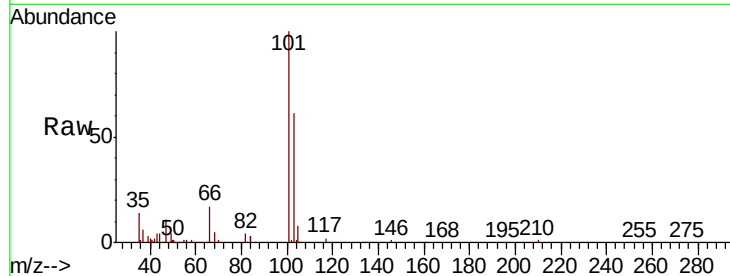
#11
 Trichlorofluoromethane
 Concen: 0.504 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111455		
103	61.2	52.9	79.3	

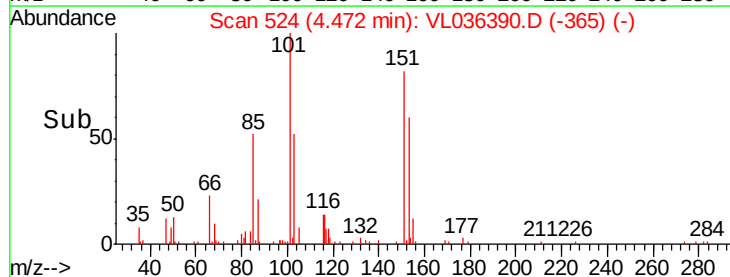
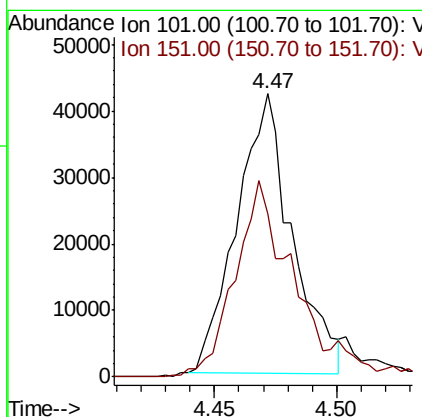
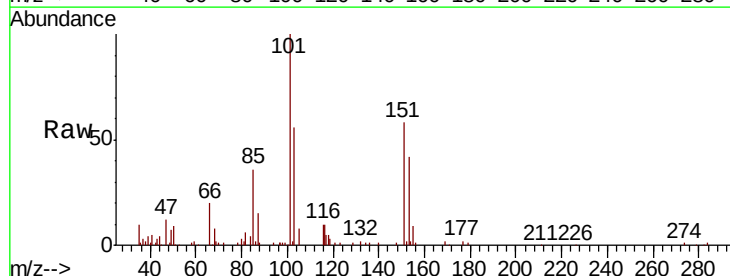
Manual Integrations
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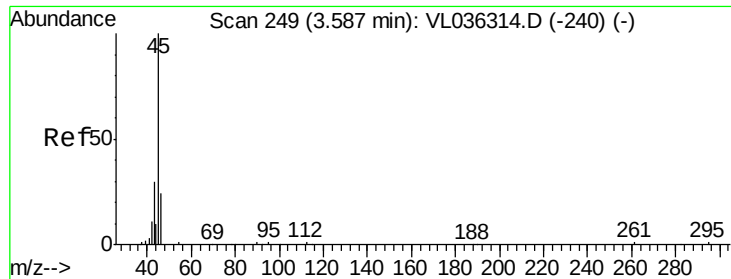
MMDadoda
 3/1/2021 10:03:11 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.486 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	66614		
151	74.8	58.2	87.4	





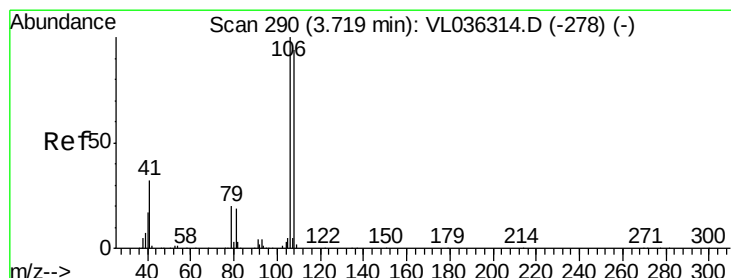
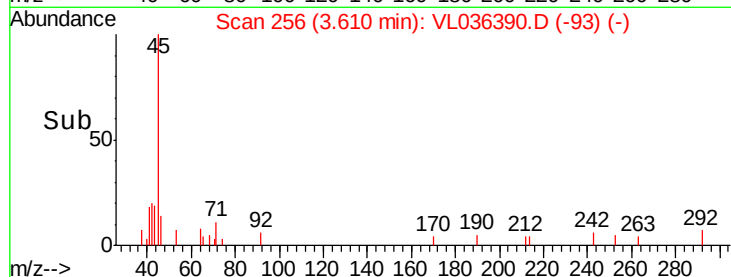
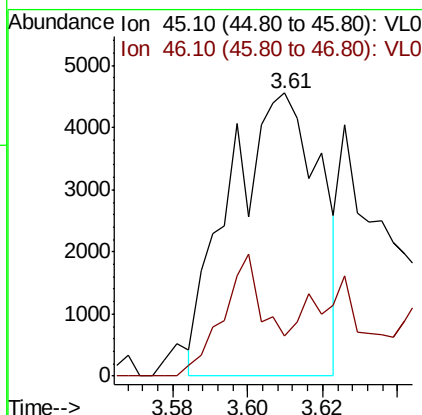
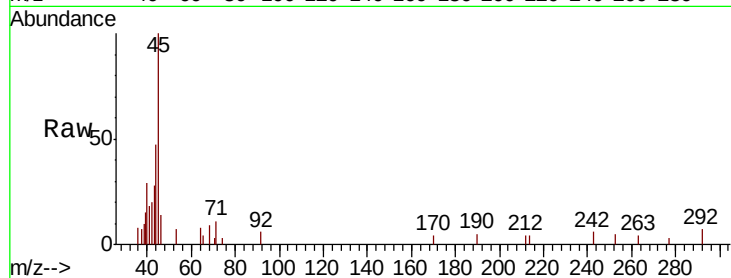
#13
Ethanol
Concen: 0.579 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion: 45 Resp: 7632
Ion Ratio Lower Upper
45 100
46 66.7 17.7 70.7

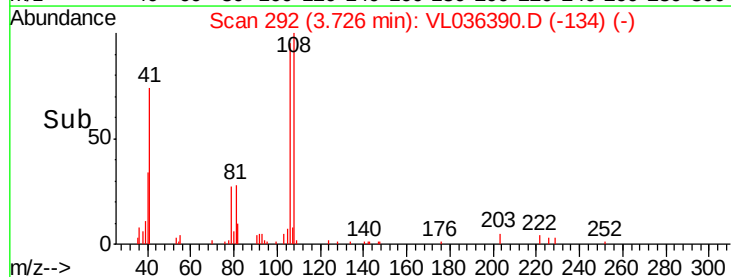
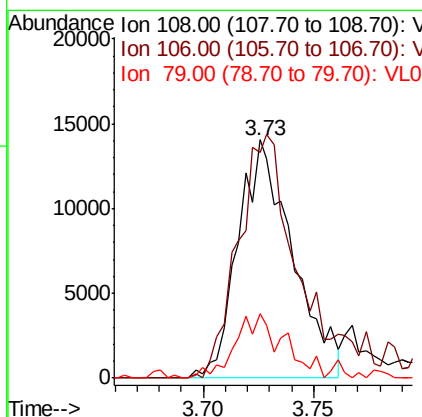
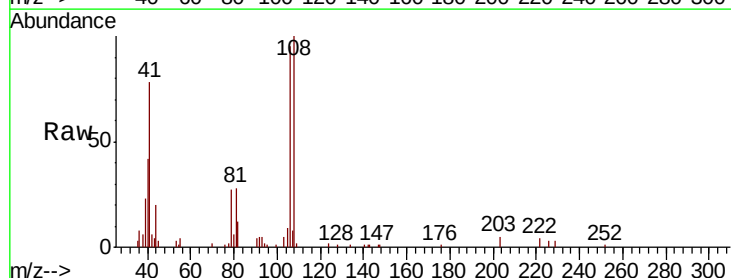
Manual Integrations
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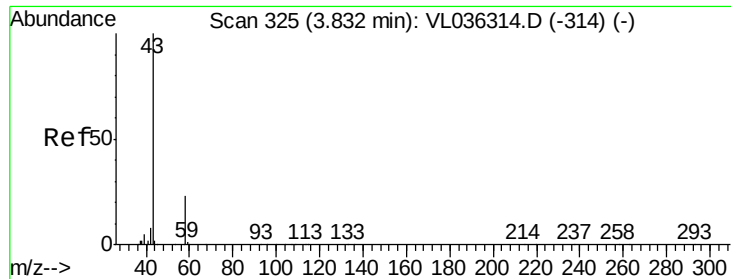
MMDadoda
3/1/2021 10:03:11 AM



#14
Bromoethene
Concen: 0.422 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion: 108 Resp: 24209
Ion Ratio Lower Upper
108 100
106 119.3 89.8 134.8
79 26.5 17.1 25.7#





#15

Acetone

Concen: 0.553 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 43 Resp: 102288

Ion Ratio Lower Upper

43 100

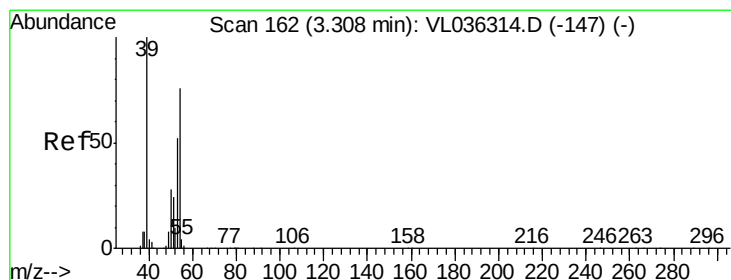
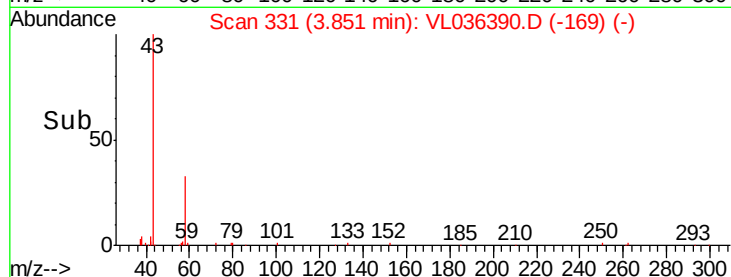
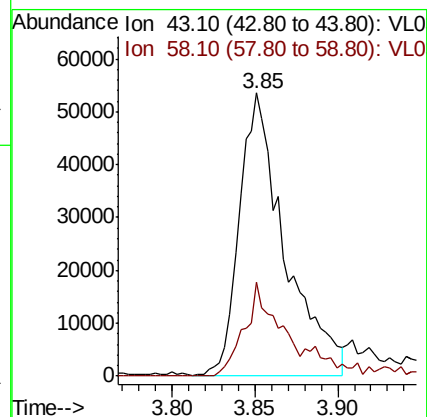
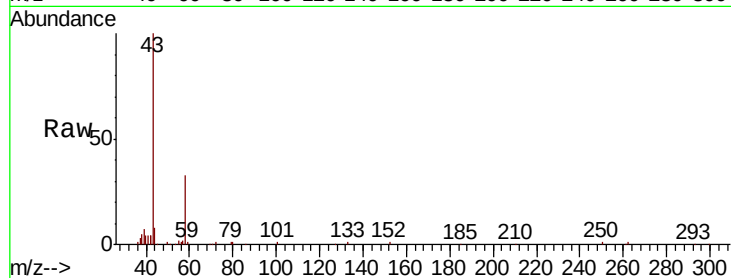
58 31.3 20.3 30.5#

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#16

1,3-Butadiene

Concen: 0.554 ppbv m

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036390.D

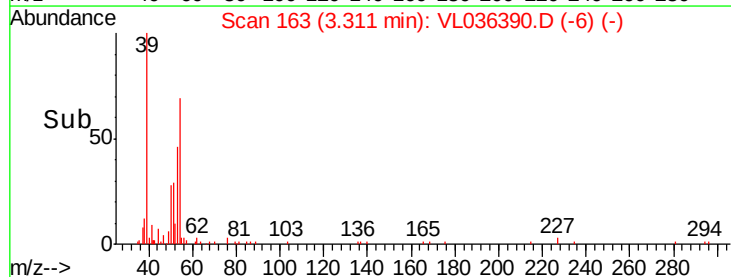
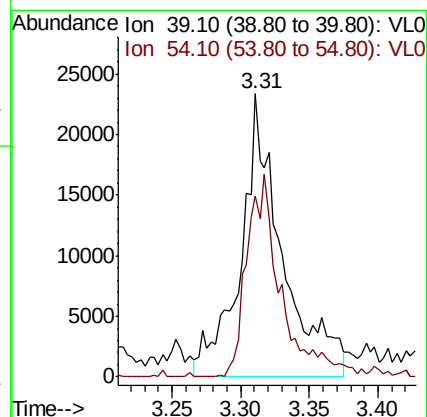
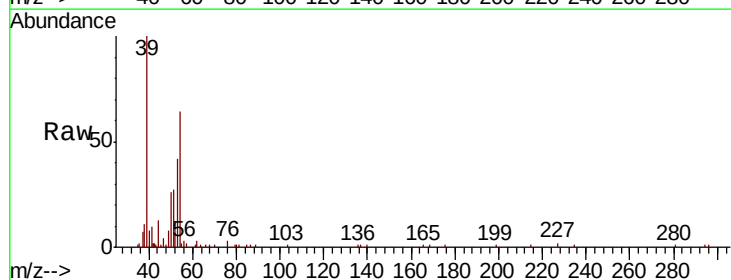
Acq: 25 Feb 2021 20:43

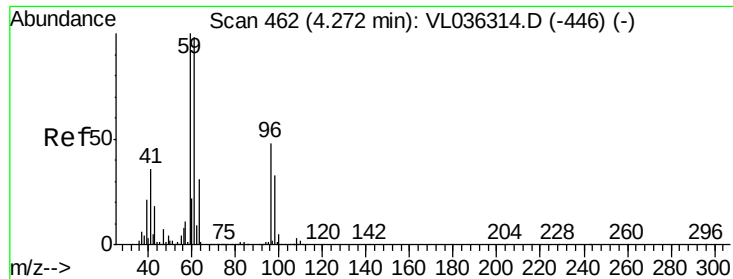
Tgt Ion: 39 Resp: 49059

Ion Ratio Lower Upper

39 100

54 0.0 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.449 ppbv m

RT: 4.30 min Scan# 471

Delta R.T. 0.03 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

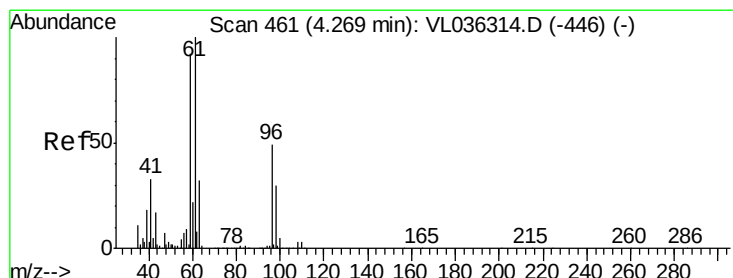
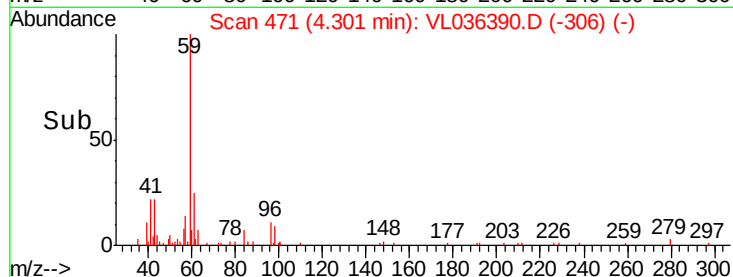
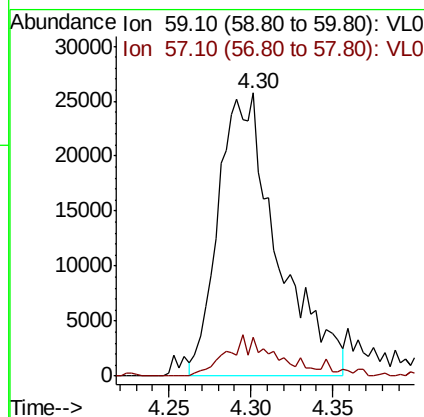
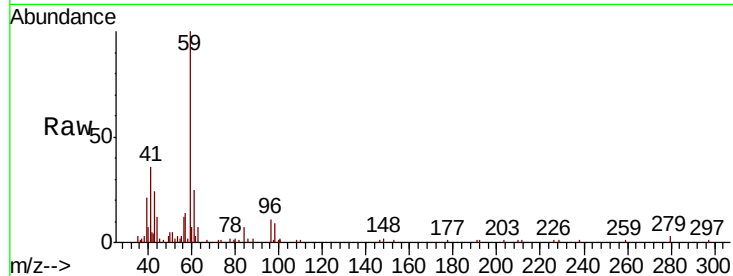
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	59	Resp	64464
Ion Ratio	100	Lower	Upper
57	11.4	9.0	13.4

Manual Integrations
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#18

1,1-Dichloroethene

Concen: 0.487 ppbv m

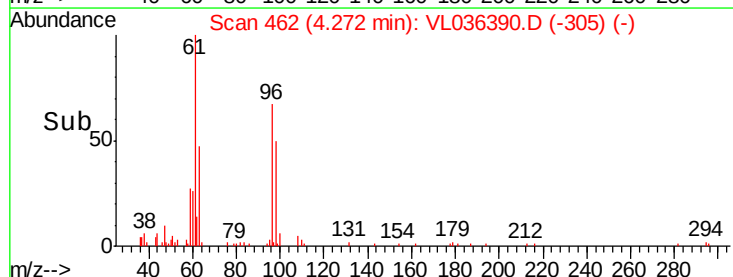
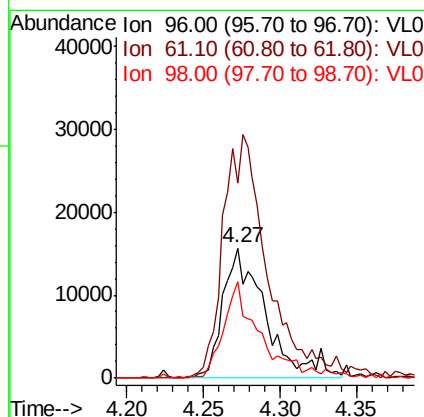
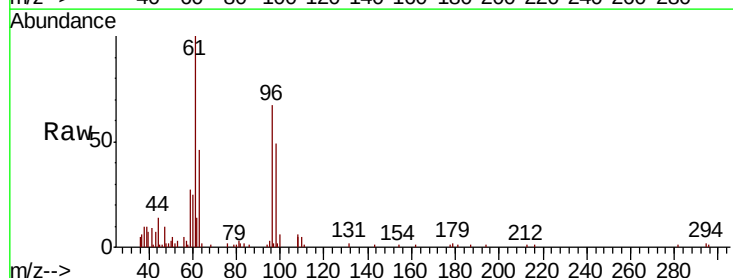
RT: 4.27 min Scan# 462

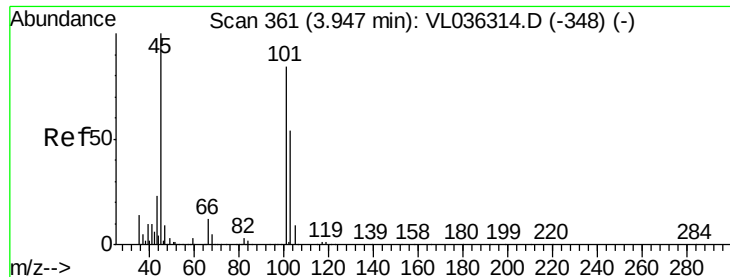
Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	96	Resp	30339
Ion Ratio	100	Lower	Upper
61	150.0	162.5	243.7#
98	73.9	48.5	72.7#





#19

Isopropyl Alcohol

Concen: 0.486 ppbv m

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

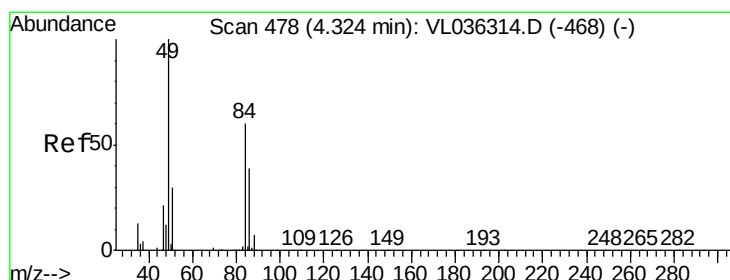
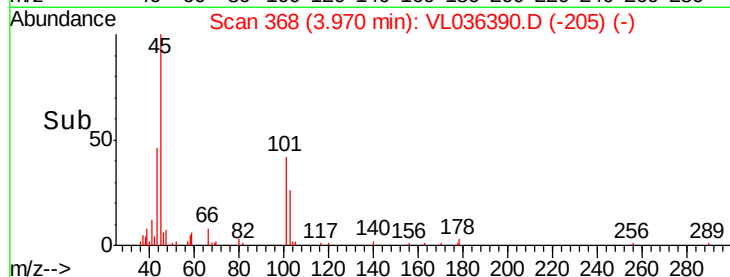
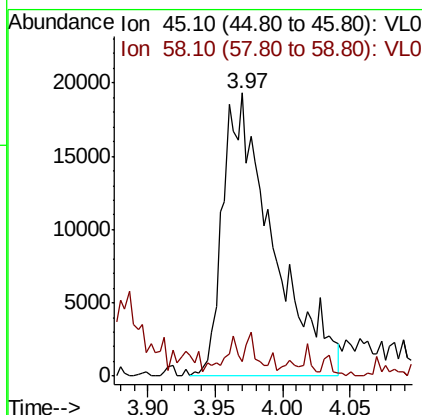
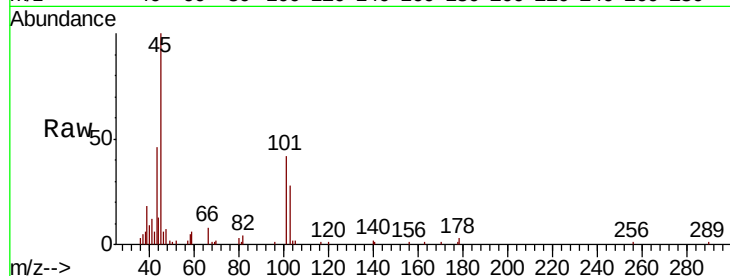
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

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

Manual Integrations
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#20

Methylene Chloride

Concen: 0.534 ppbv

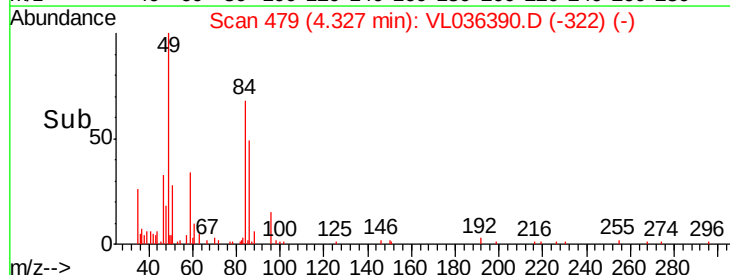
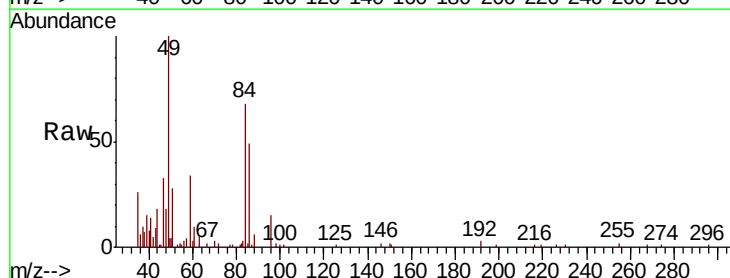
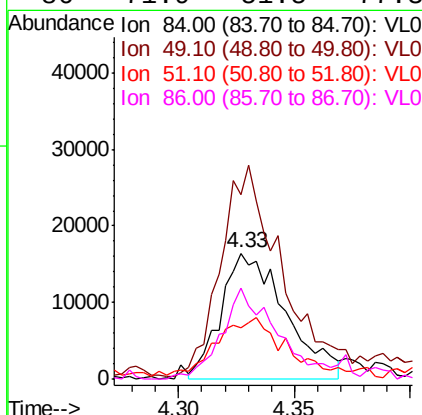
RT: 4.33 min Scan# 479

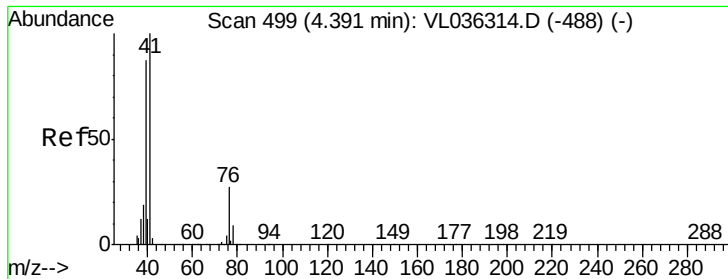
Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.2	133.8	200.8
51	35.9	41.4	62.0#
86	71.9	51.5	77.3





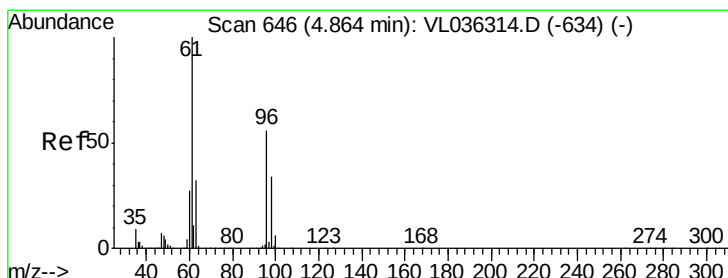
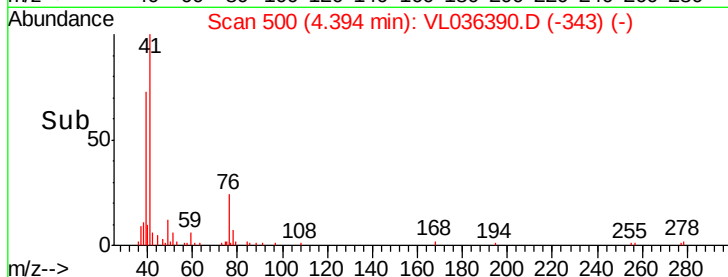
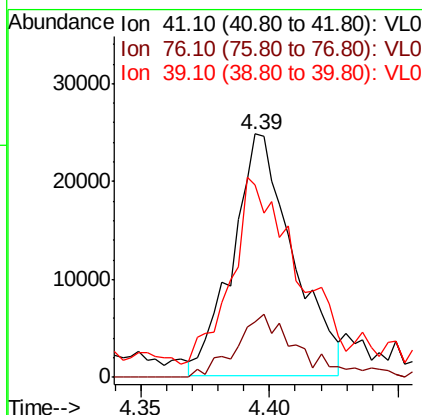
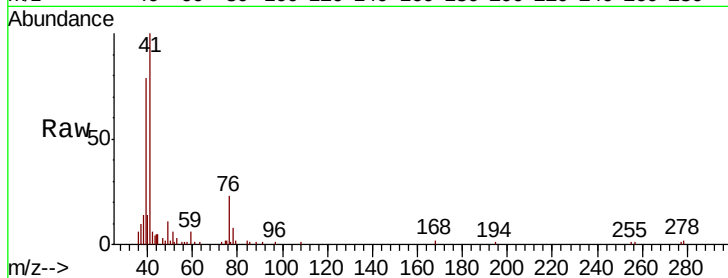
#21
Allvl Chloride
Concen: 0.392 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.0	33.0
39	97.4	70.2	105.2

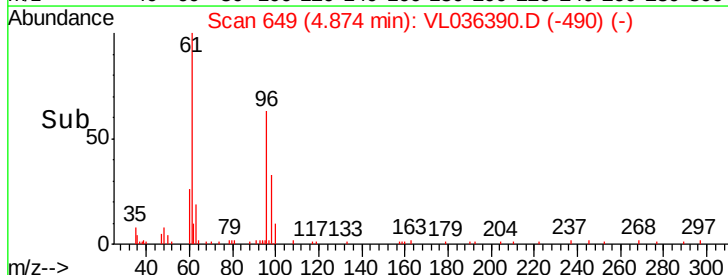
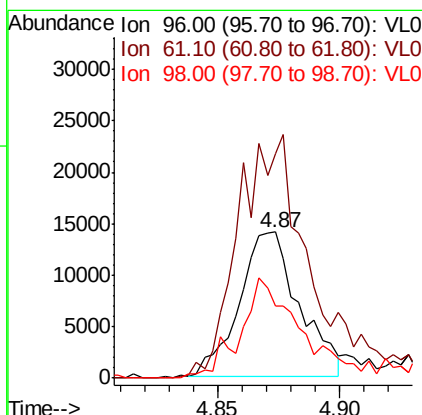
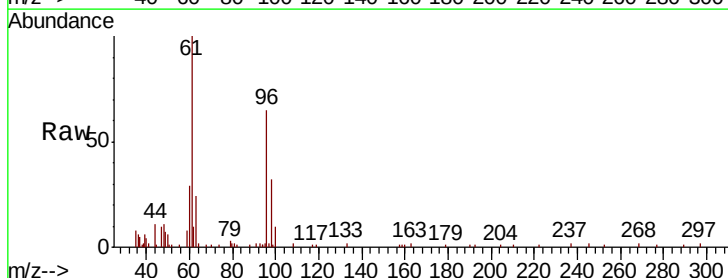
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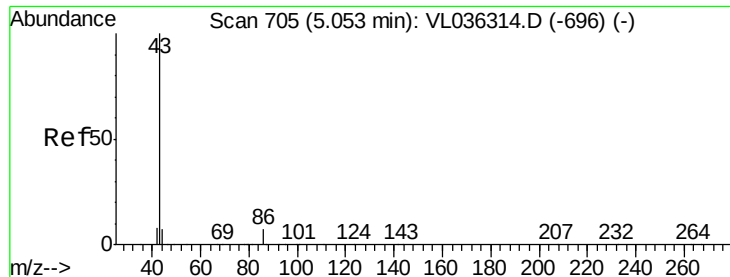
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.423 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	143.7	215.5
98	46.4	48.5	72.7#





#23

Vinyl Acetate

Concen: 0.444 ppbv m

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

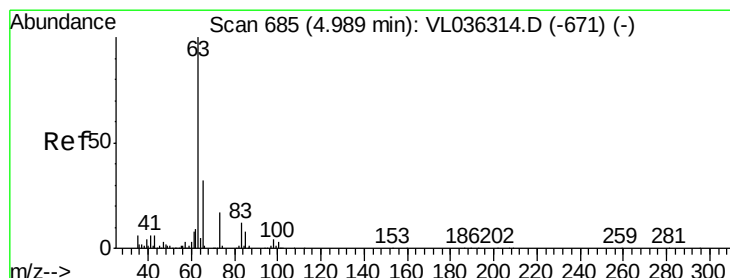
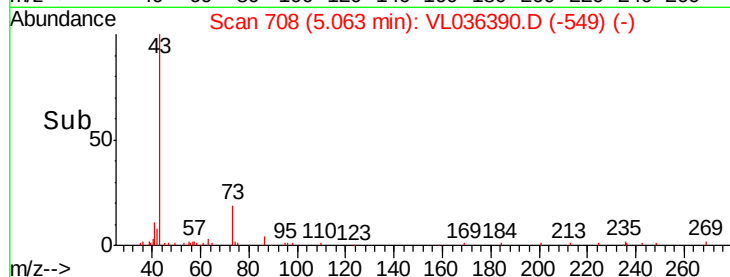
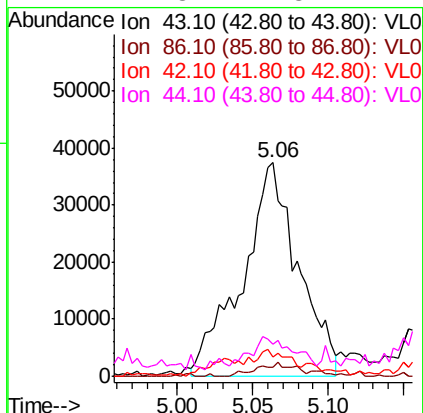
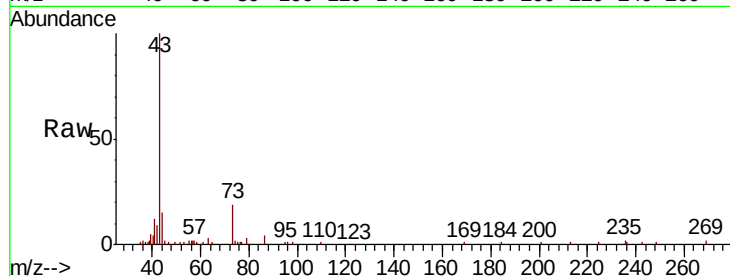
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		96539		
86	3.9		4.8	7.2#	
42	8.7		7.4	11.0	
44	14.8		4.8	7.2#	

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3/1/2021 10:03:11 AM



#24

1,1-Dichloroethane

Concen: 0.501 ppbv m

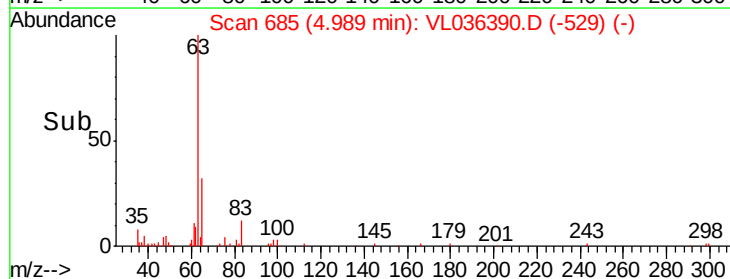
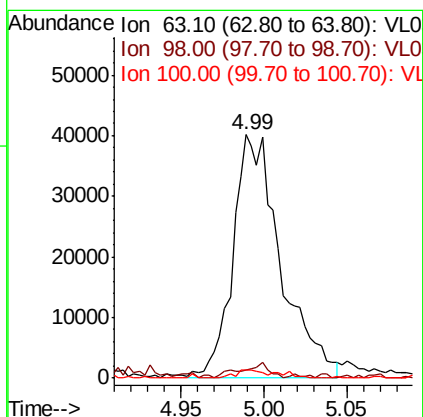
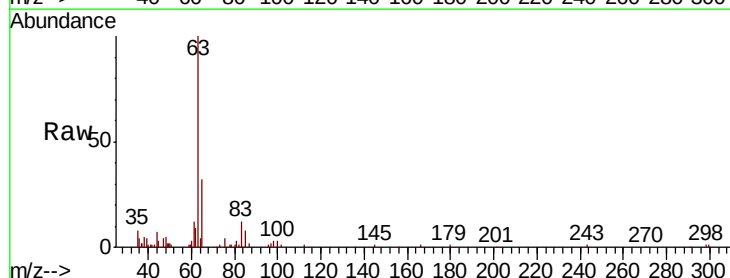
RT: 4.99 min Scan# 685

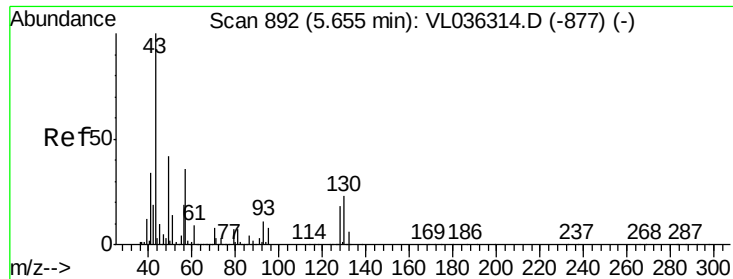
Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		80551		
98	3.3		2.0	6.0	
100	3.4		1.5	4.4	





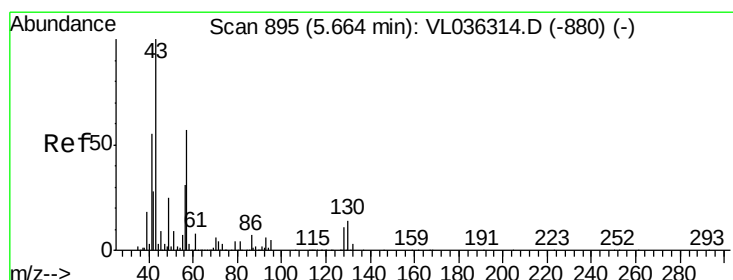
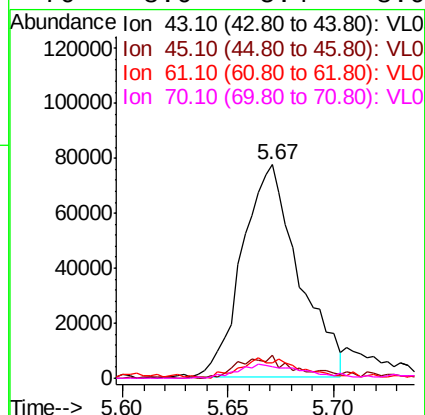
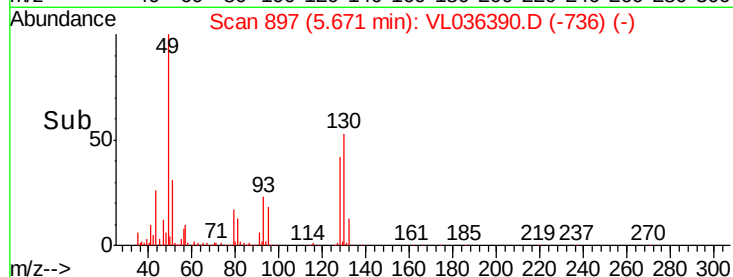
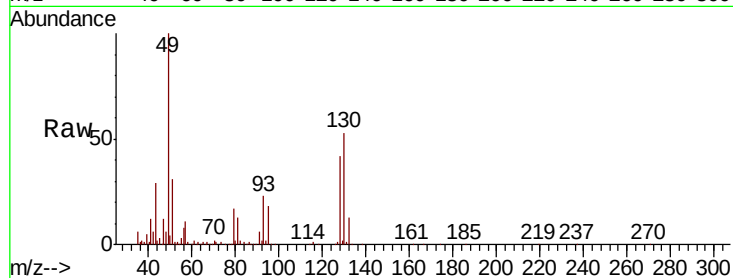
#25
Ethyl Acetate
Concen: 0.400 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	12.5	8.3	12.5#		
61	13.0	7.3	10.9#		
70	8.0	5.4	8.0		

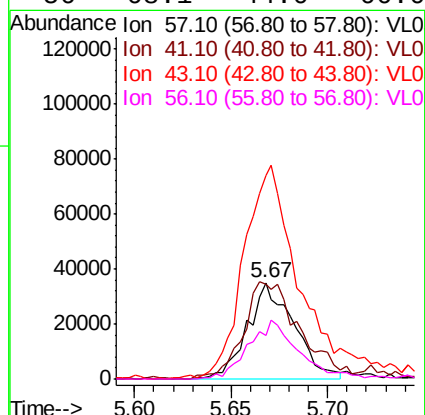
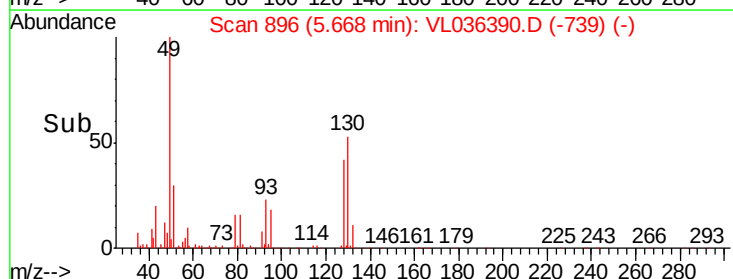
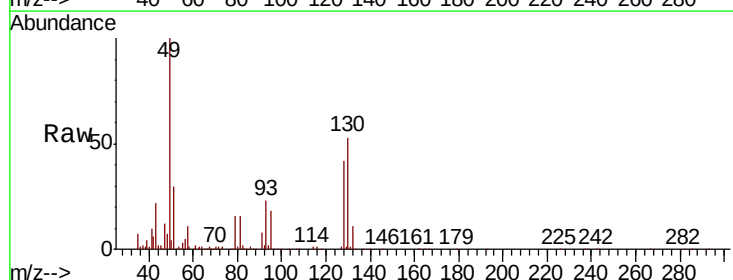
Manual Integrations
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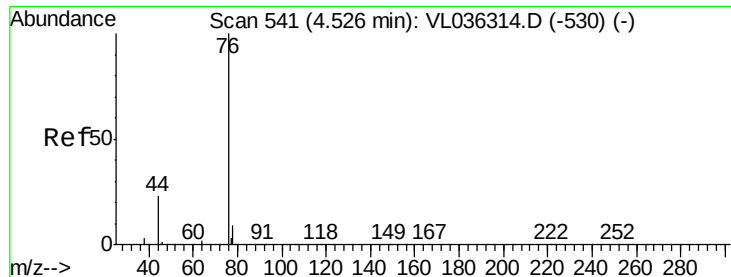
MMDadoda
3/1/2021 10:03:11 AM



#26
Hexane
Concen: 0.400 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	131.8	81.7	122.5#		
43	281.7	199.1	298.7		
56	68.1	44.0	66.0#		





#27

Carbon Disulfide

Concen: 0.388 ppbv m

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

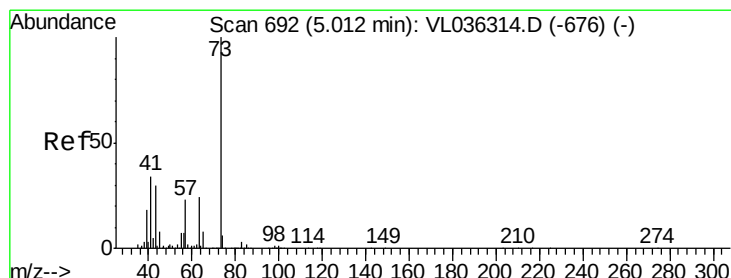
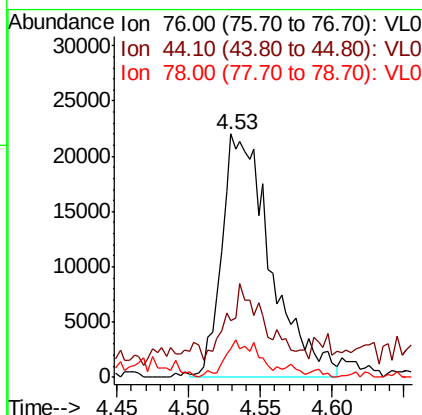
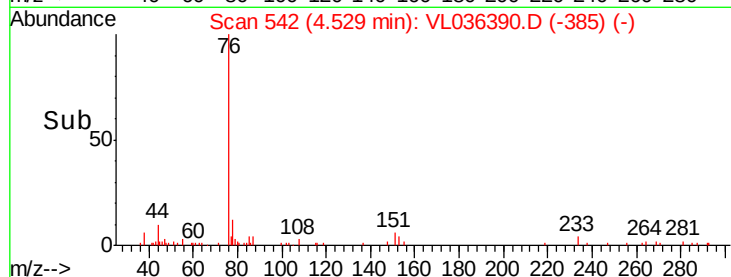
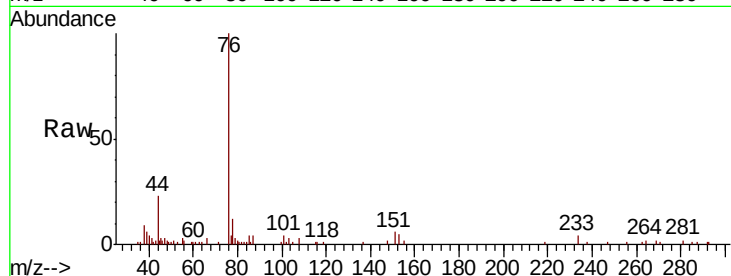
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	76	Resp:	52353
Ion Ratio	Lower	Upper	
76	100		
44	0.0	18.4	27.6#
78	0.0	8.0	12.0#

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MMDadoda
3/1/2021 10:03:11 AM



#28

Methyl tert-Butyl Ether

Concen: 0.411 ppbv m

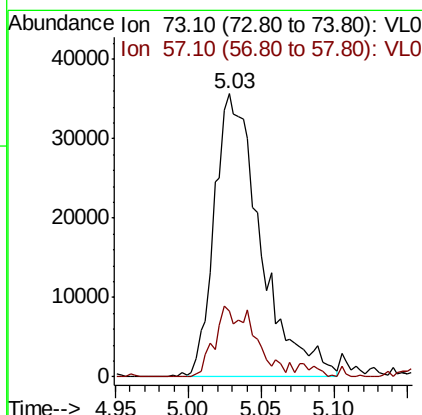
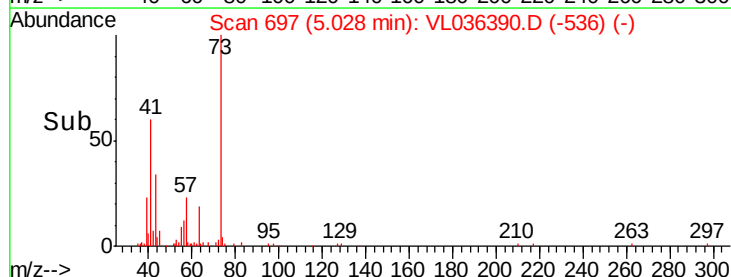
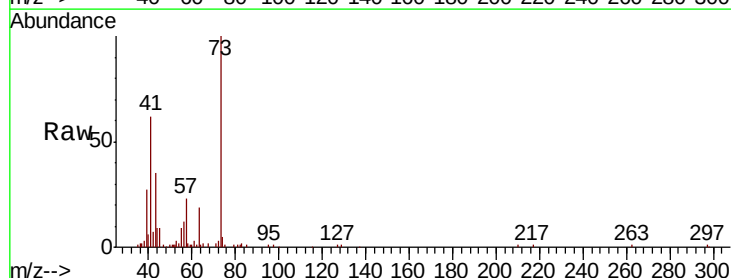
RT: 5.03 min Scan# 697

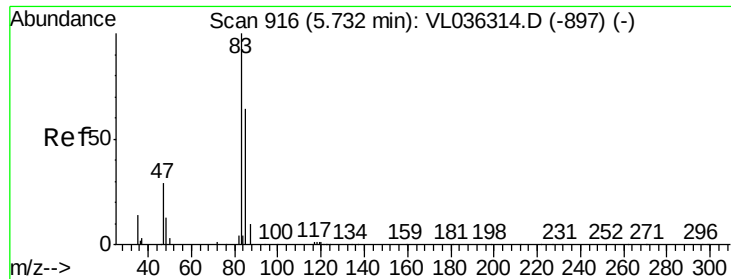
Delta R.T. 0.02 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion:	73	Resp:	78728
Ion Ratio	Lower	Upper	
73	100		
57	21.1	19.2	28.8





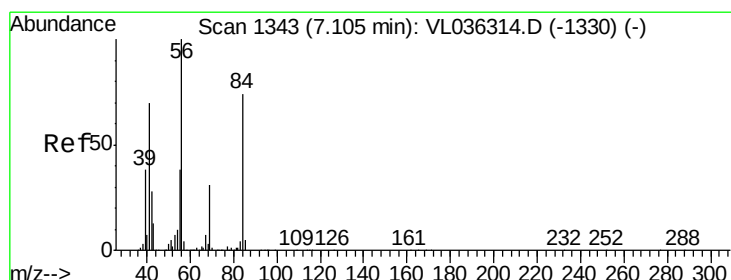
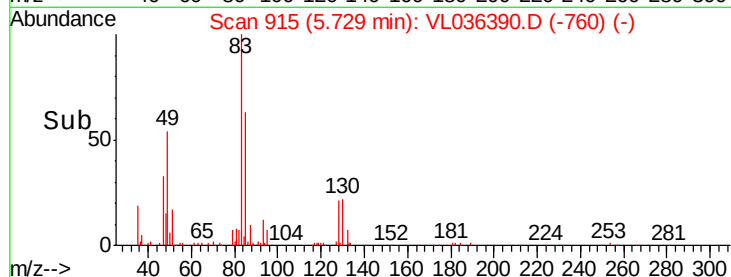
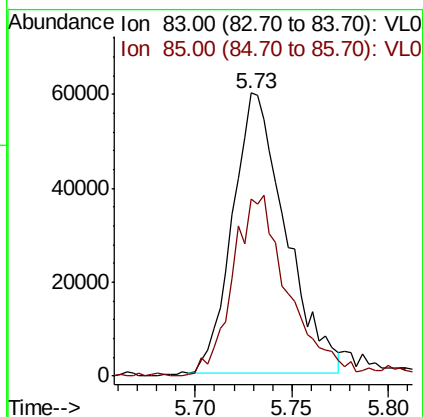
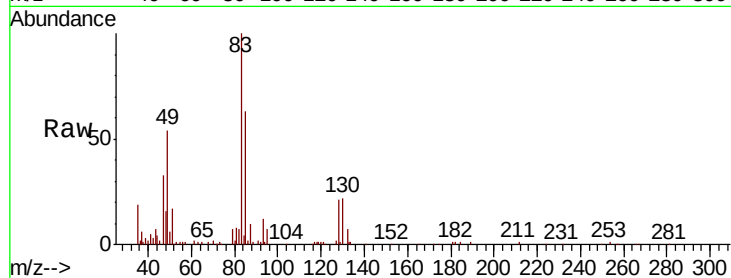
#29
Chloroform
Concen: 0.484 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.00 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	83	Resp	114434
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.4	77.2

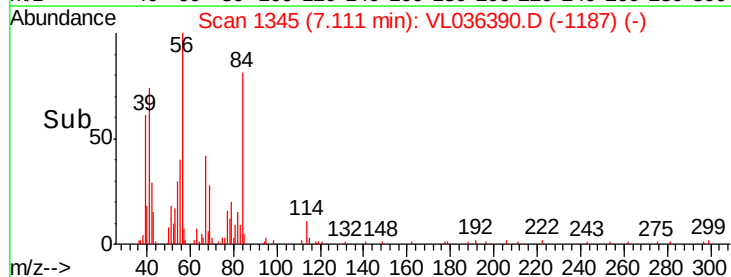
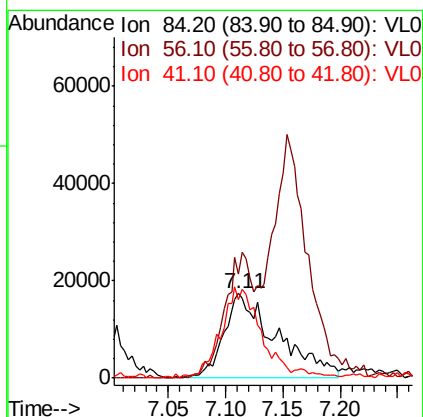
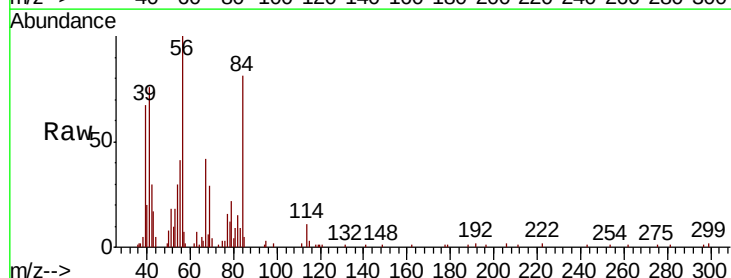
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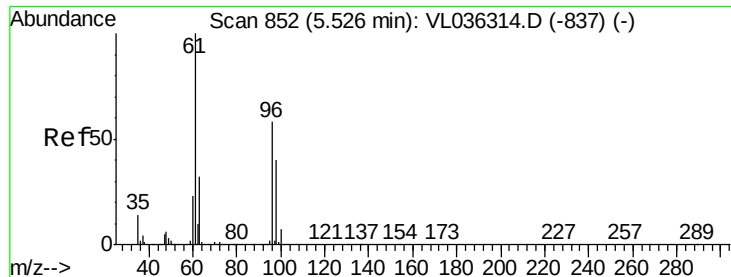
MMDadoda
3/1/2021 10:03:11 AM



#30
Cyclohexane
Concen: 0.457 ppbv m
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	84	Resp	55736
Ion Ratio	Lower	Upper	
84	100		
56	74.8	120.2	180.4#
41	84.7	79.7	119.5





#31

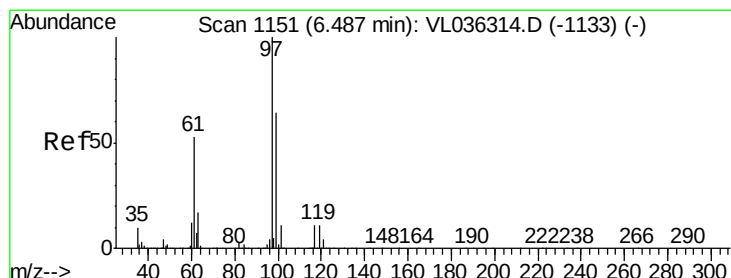
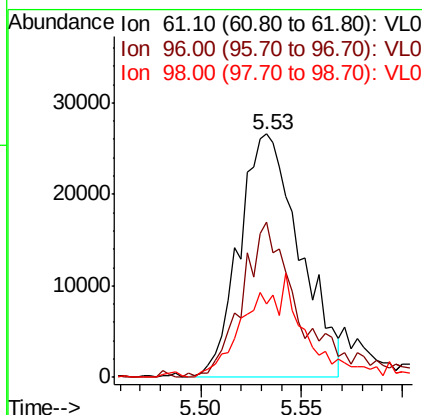
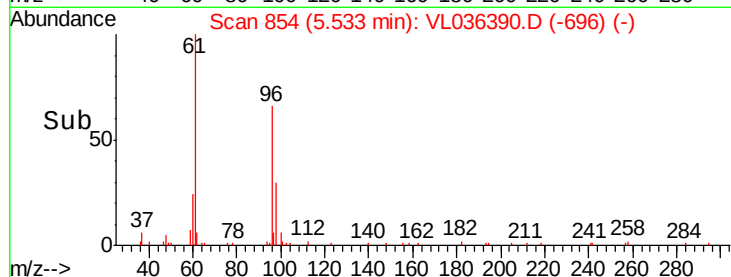
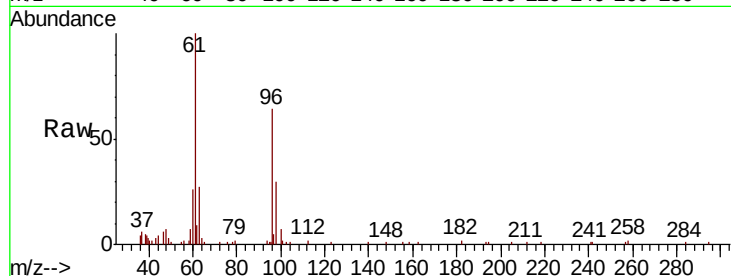
cis-1,2-Dichloroethene
Concen: 0.385 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	46.0	69.0
98	30.2	31.9	47.9#

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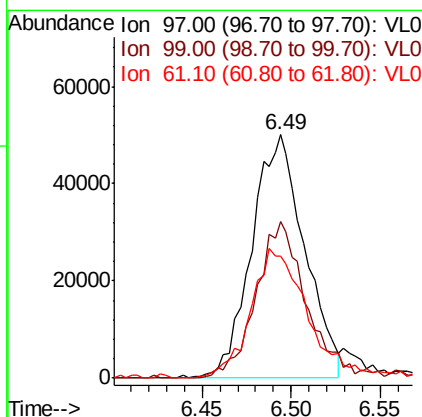
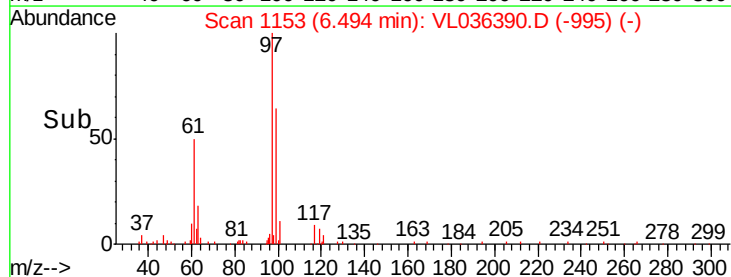
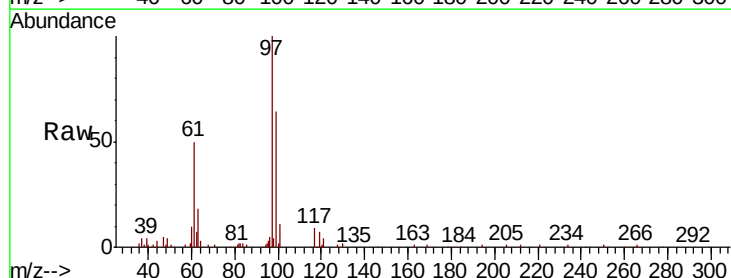
MMDadoda
3/1/2021 10:03:11 AM

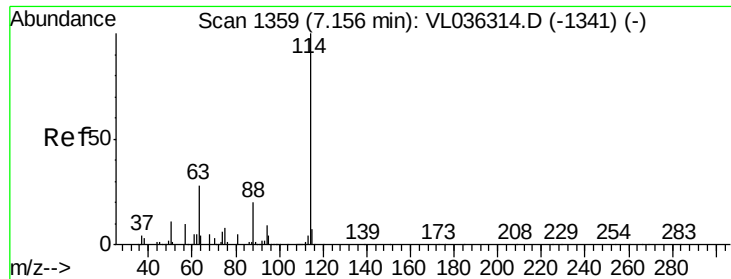


#32

1,1,1-Trichloroethane
Concen: 0.469 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.2	78.4
61	57.9	43.3	64.9





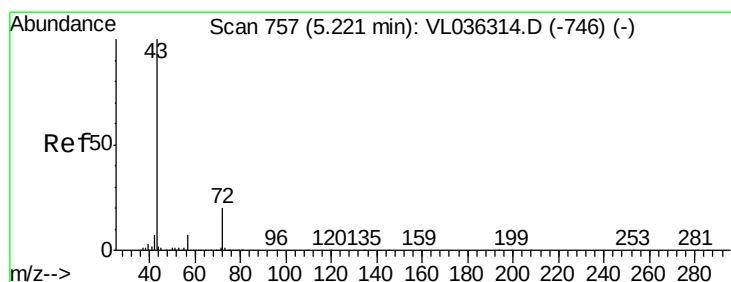
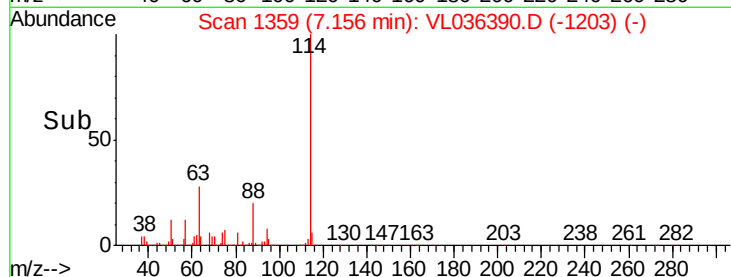
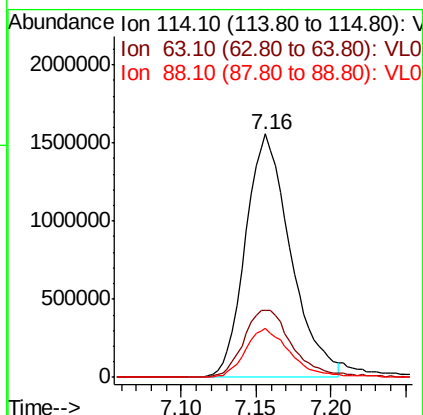
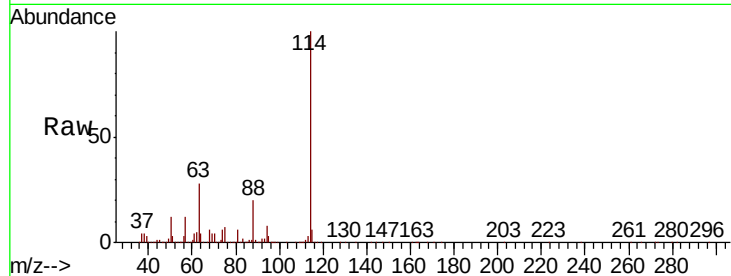
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.1	36.1
88	20.4	16.0	24.0

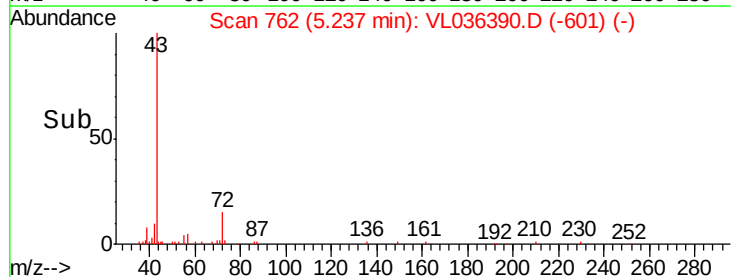
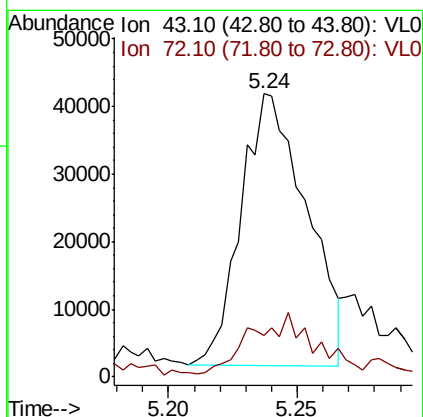
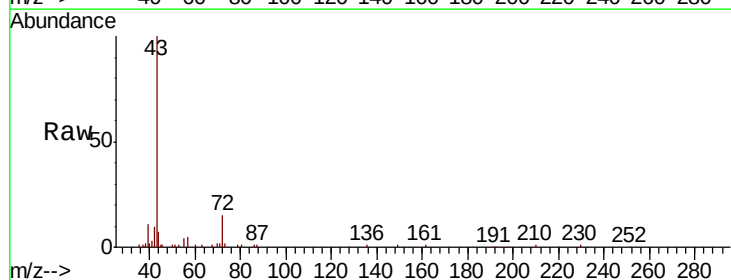
Manual Integrations
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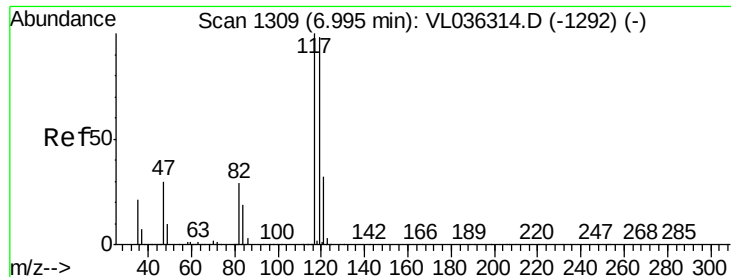
MMDadoda
 3/1/2021 10:03:11 AM



#34
 2-Butanone
 Concen: 0.329 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.8	16.7	25.1





#35

Carbon Tetrachloride

Concen: 0.453 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

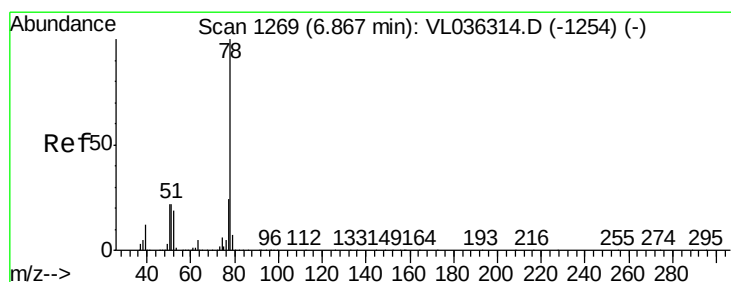
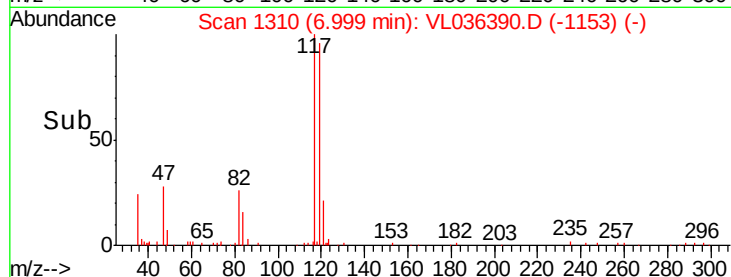
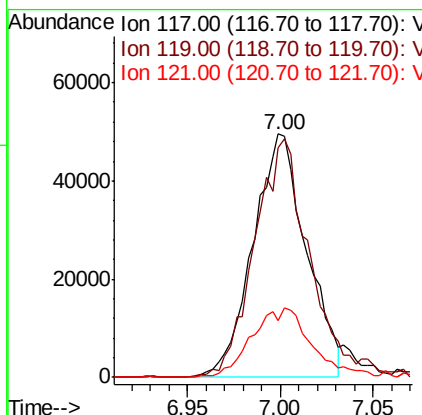
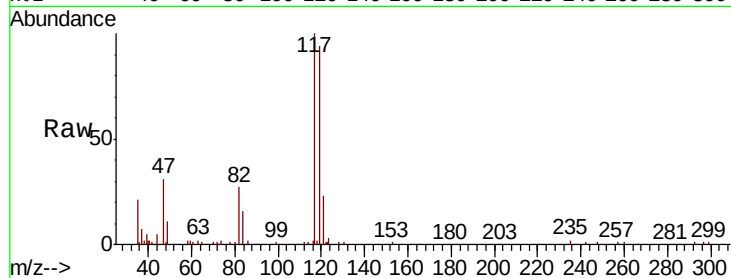
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.1	117.1
121	23.3	25.8	38.8#

Manual Integrations
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MMDadoda
3/1/2021 10:03:11 AM



#36

Benzene

Concen: 0.400 ppbv m

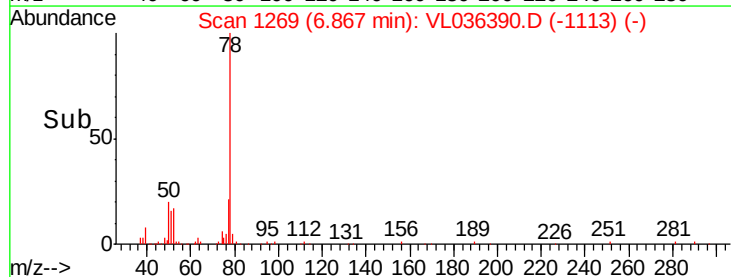
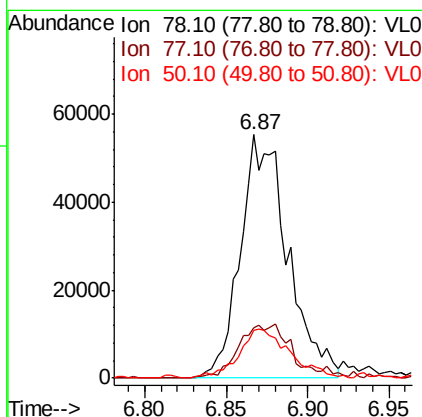
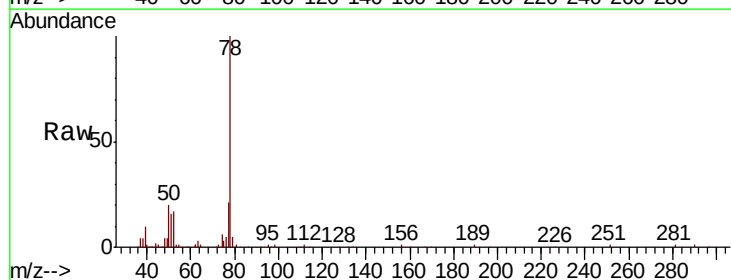
RT: 6.87 min Scan# 1269

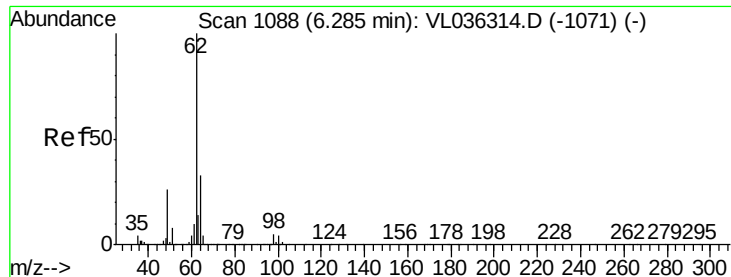
Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.9	28.3
50	19.5	17.3	25.9





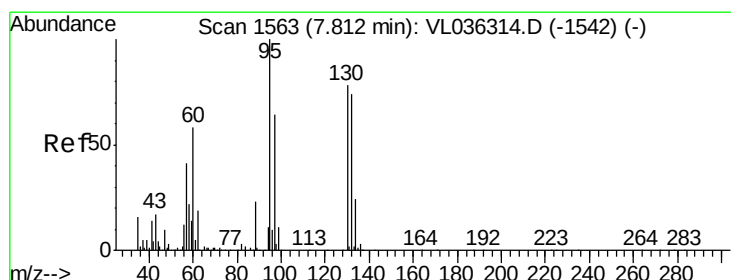
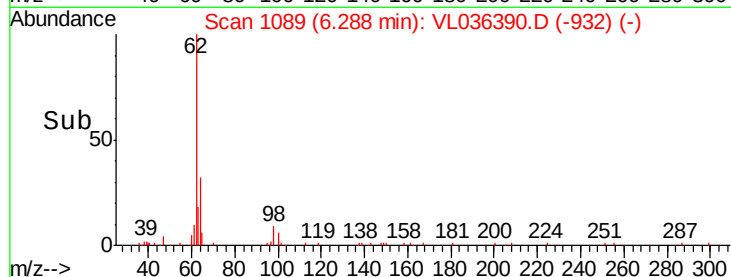
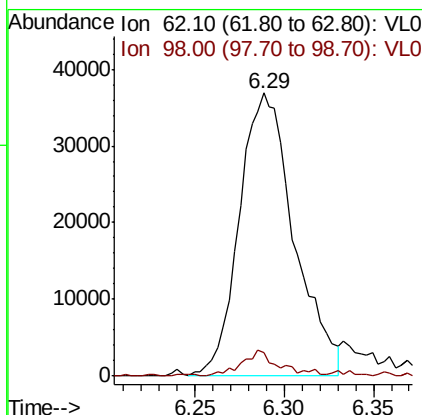
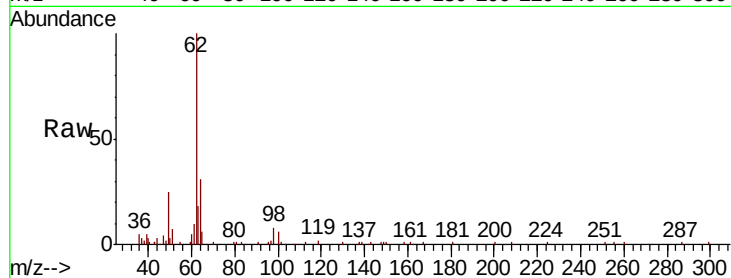
#37
1,2-Dichloroethane
Concen: 0.461 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.6	4.5	6.7#

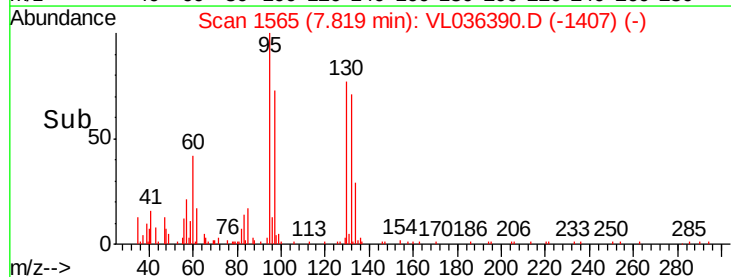
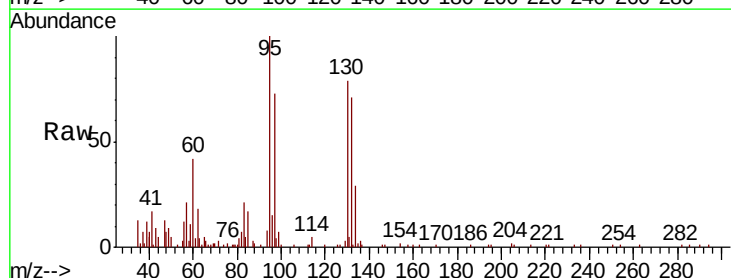
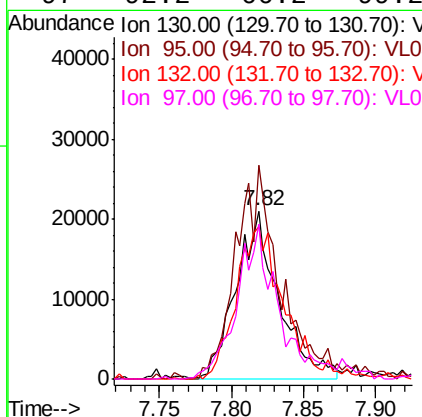
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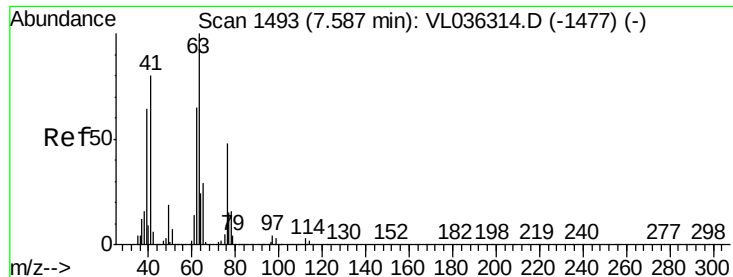
MMDadoda
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#38
Trichloroethene
Concen: 0.437 ppbv m
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	127.1	102.8	154.2
132	90.8	75.7	113.5
97	92.2	66.2	99.2





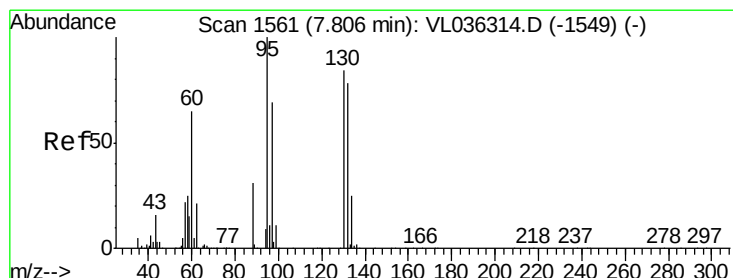
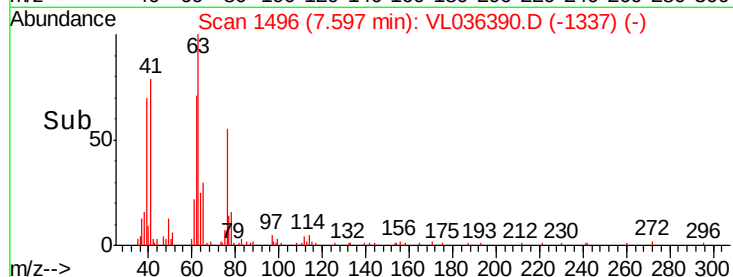
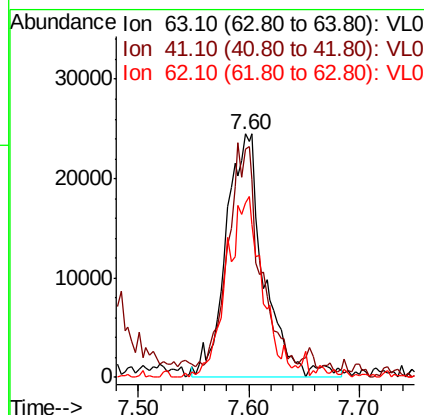
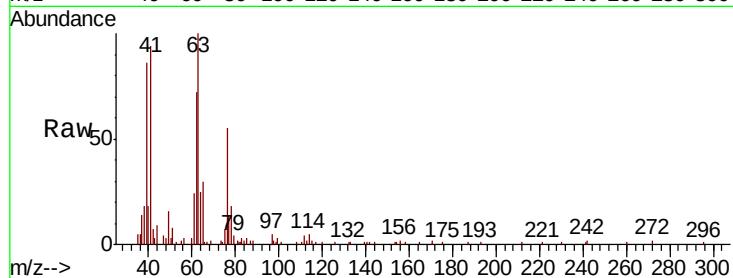
#39
 1,2-Dichloropropane
 Concen: 0.521 ppbv m
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
63	100		
41	93.7	63.8	95.6
62	71.7	52.3	78.5

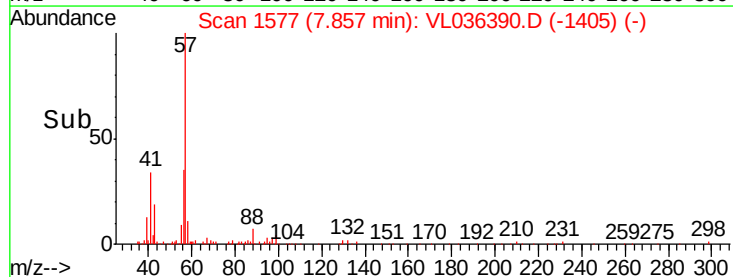
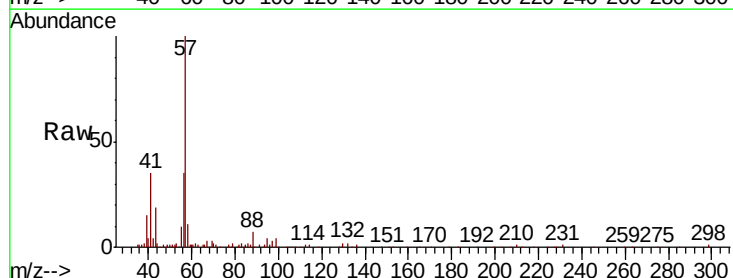
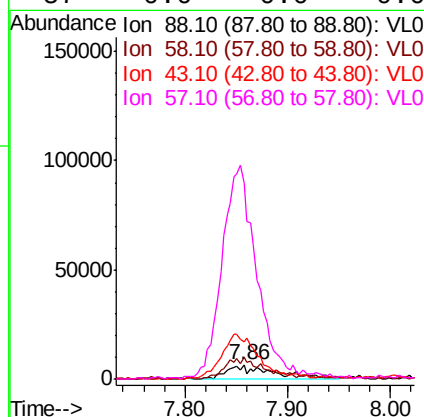
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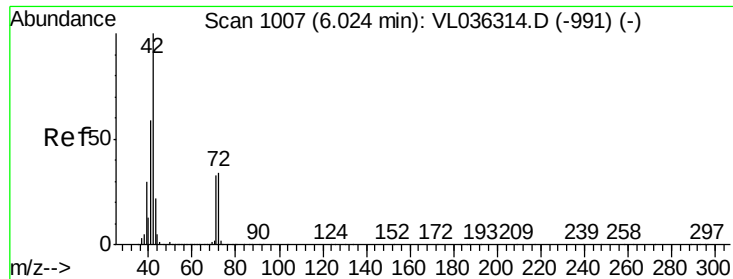
MMDadoda
 3/1/2021 10:03:11 AM



#40
 1,4-Dioxane
 Concen: 0.509 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.05 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





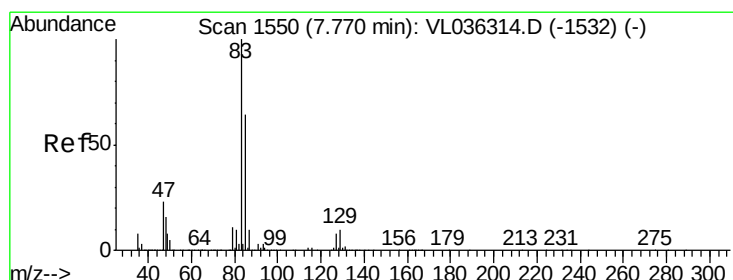
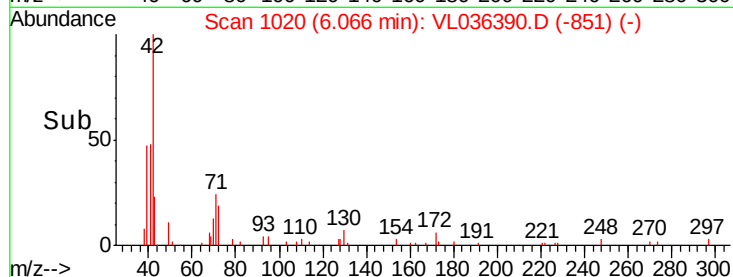
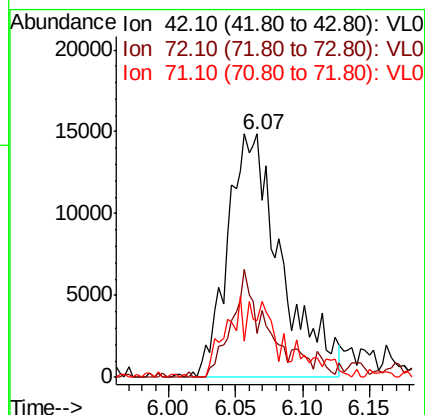
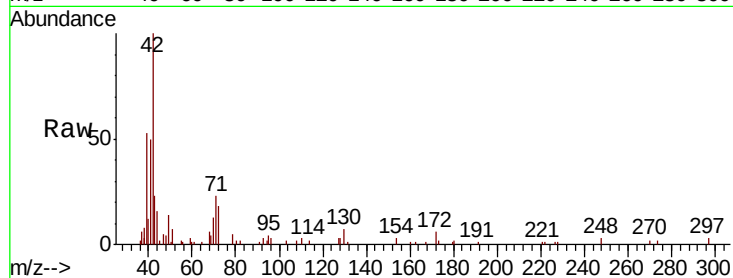
#41
Tetrahydrofuran
Concen: 0.340 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.04 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	0.9	27.8	41.8#

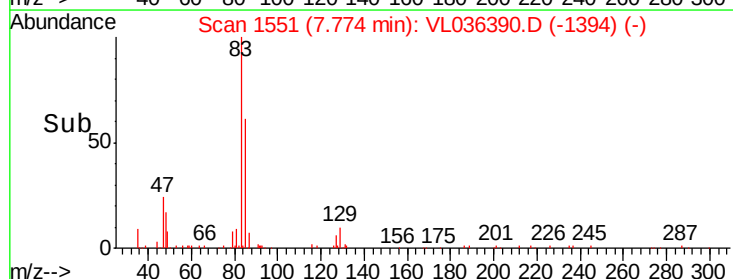
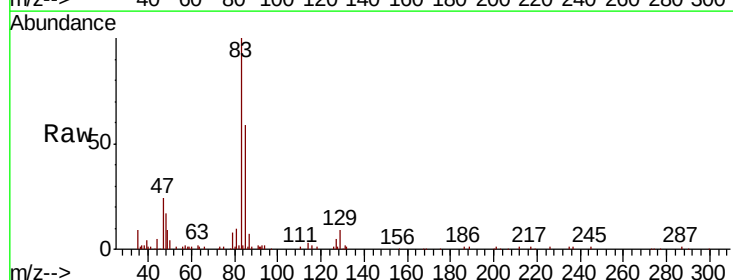
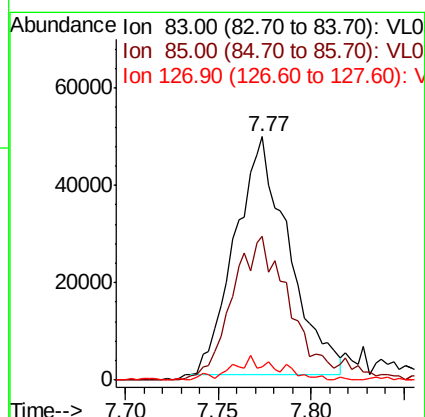
Manual Integrations
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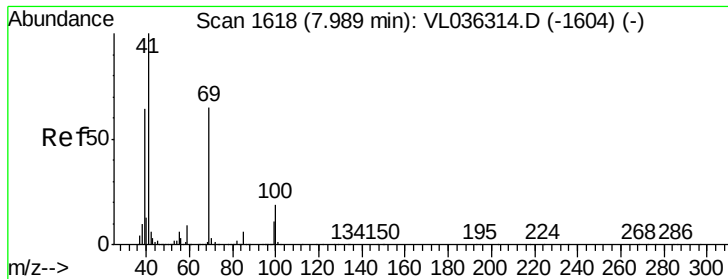
MMDadoda
3/1/2021 10:03:11 AM



#42
Bromodichloromethane
Concen: 0.427 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.9	51.1	76.7
127	5.5	6.3	9.5#





#43

Methyl Methacrylate

Concen: 0.304 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

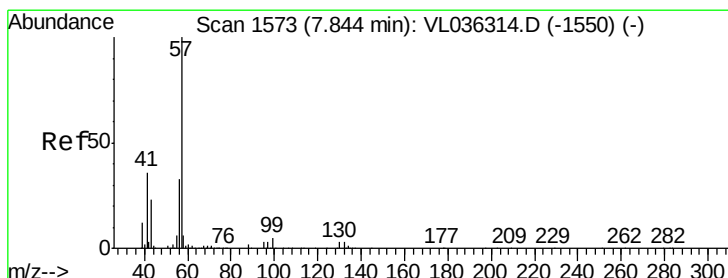
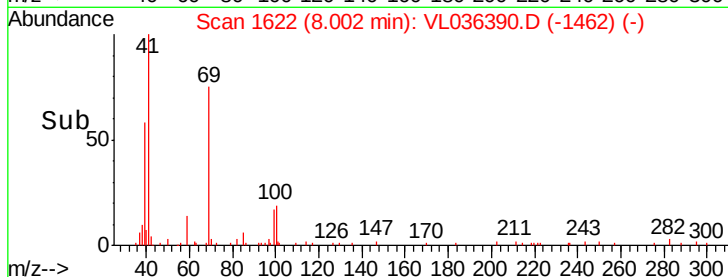
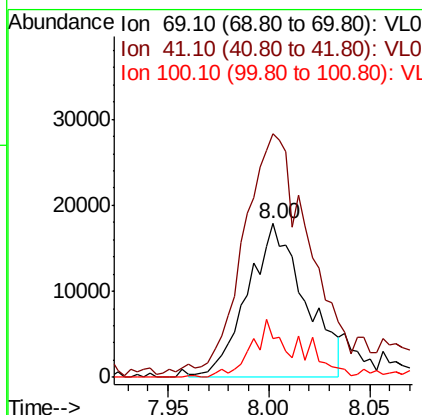
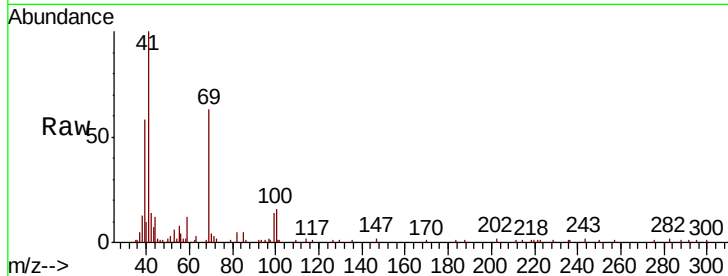
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
69	100		
41	196.3	126.5	189.7#
100	31.3	23.1	34.7

Manual Integrations
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3/1/2021 10:03:11 AM



#44

2,2,4-Trimethylpentane

Concen: 0.435 ppbv

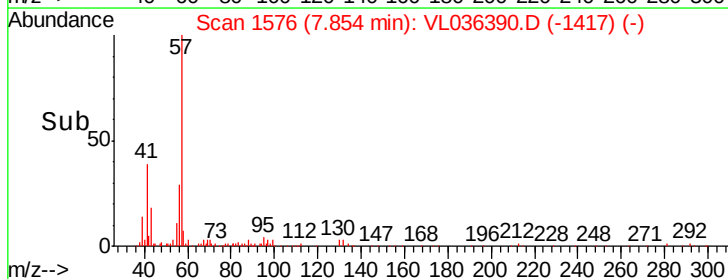
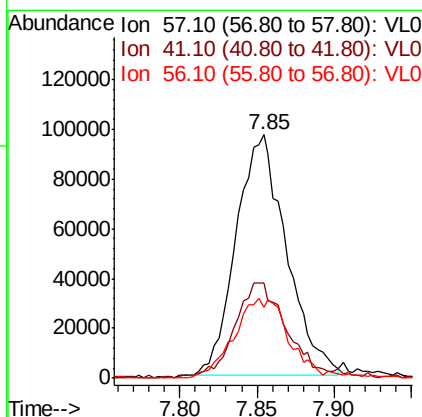
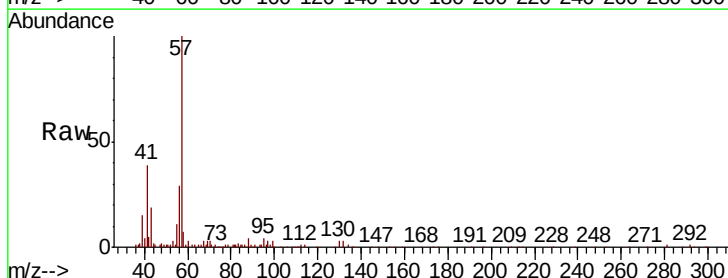
RT: 7.85 min Scan# 1576

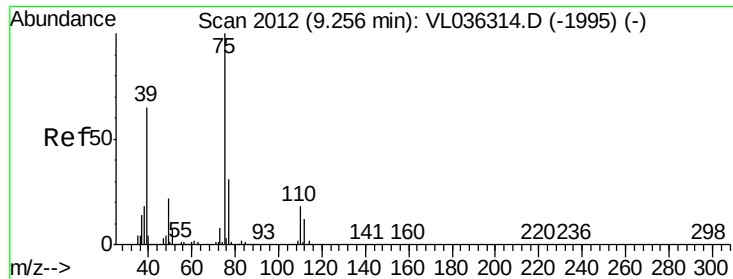
Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	42.8	28.8	43.2
56	36.9	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.295 ppbv m

RT: 9.25 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 75 Resp: 33345

Ion Ratio Lower Upper

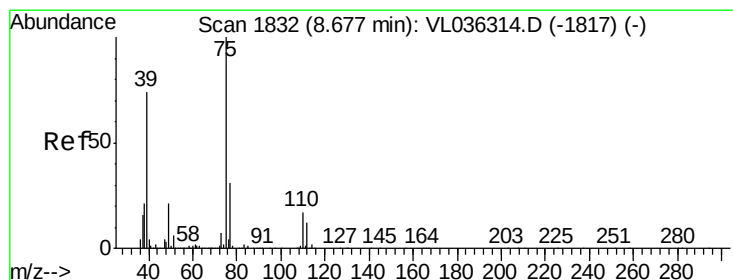
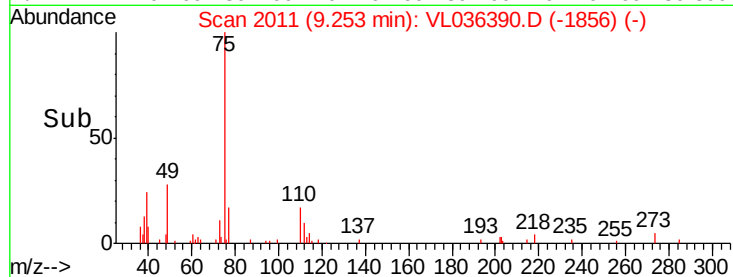
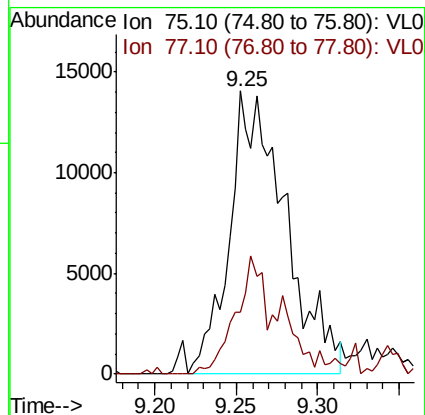
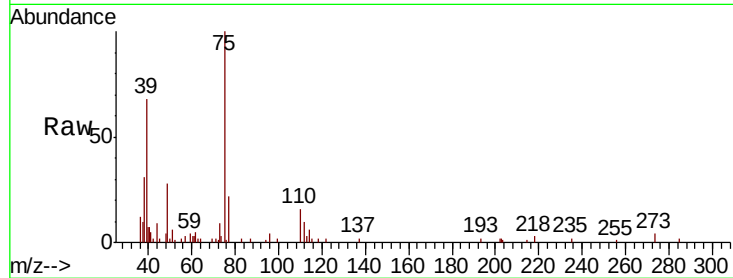
75 100

77 21.9 24.6 37.0#

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#46

cis-1,3-Dichloropropene

Concen: 0.273 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

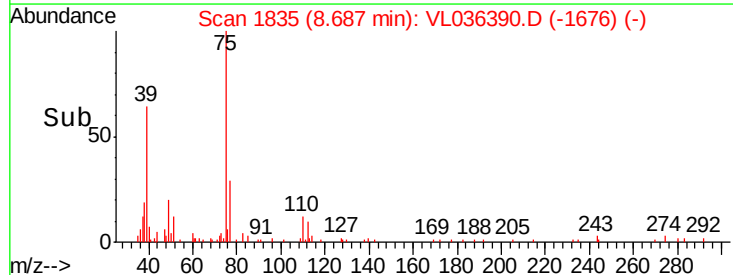
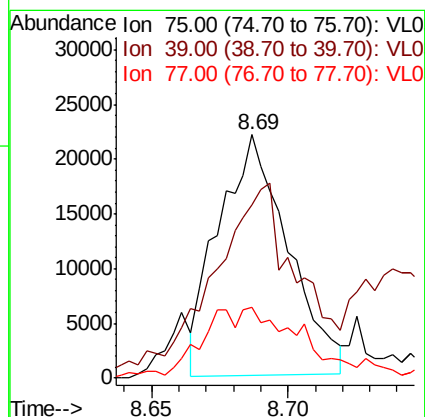
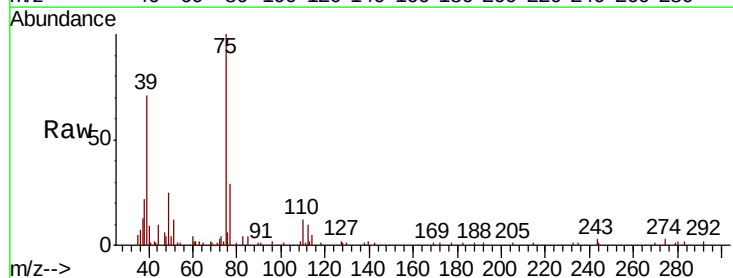
Tgt Ion: 75 Resp: 39157

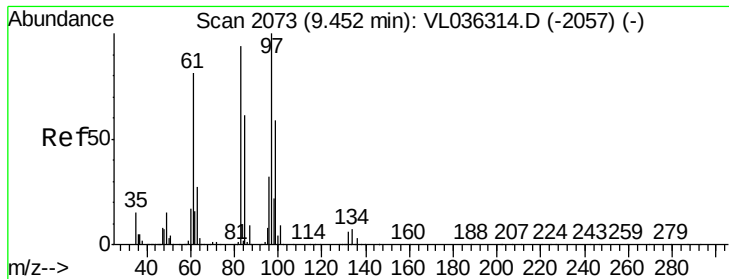
Ion Ratio Lower Upper

75 100

39 59.4 59.2 88.8

77 24.4 25.0 37.6#





#47

1,1,2-Trichloroethane

Concen: 0.479 ppbv m

RT: 9.45 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

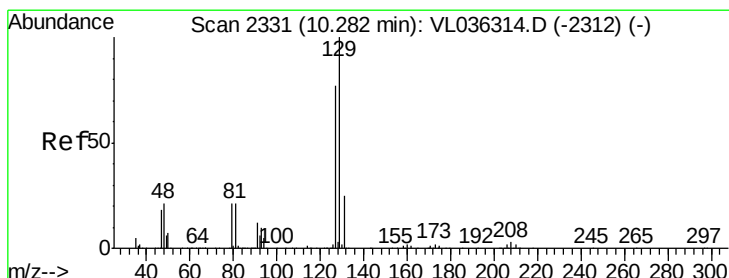
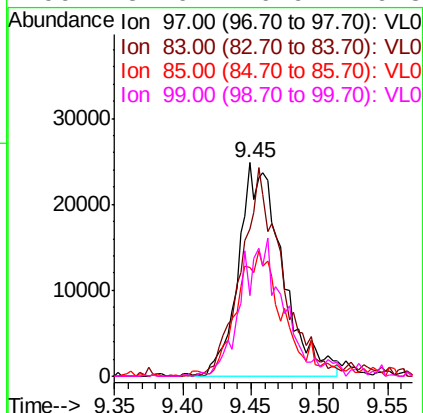
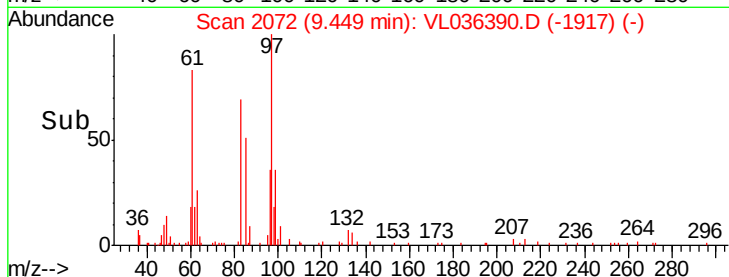
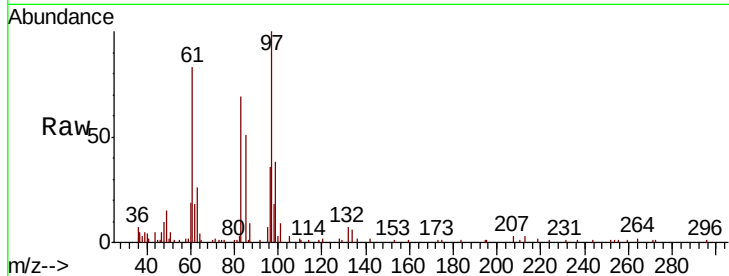
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
97	100		
83	69.0	75.4	113.0#
85	51.0	48.9	73.3
99	37.6	46.9	70.3#

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#48

Dibromochloromethane

Concen: 0.387 ppbv

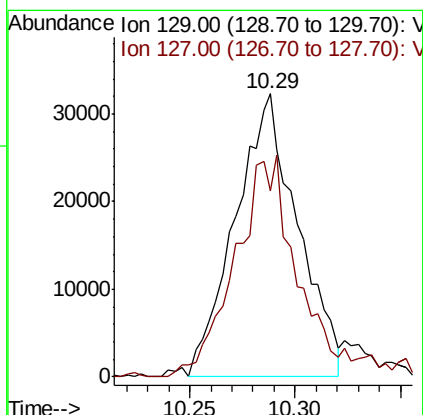
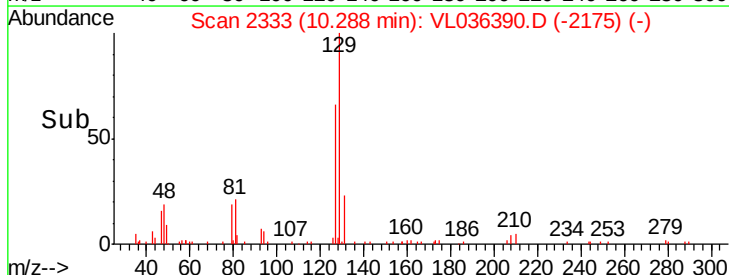
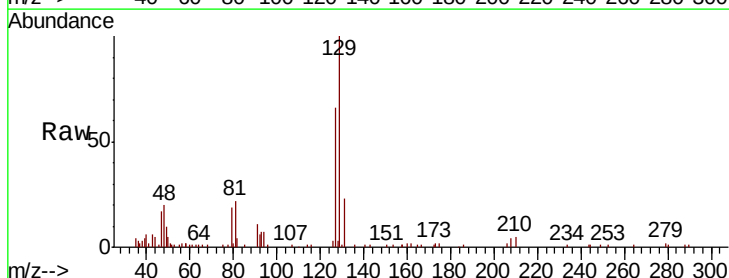
RT: 10.29 min Scan# 2333

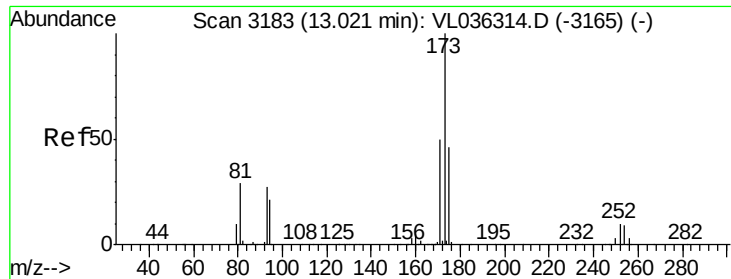
Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.1	39.1	117.2





#49

Bromoform

Concen: 0.400 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

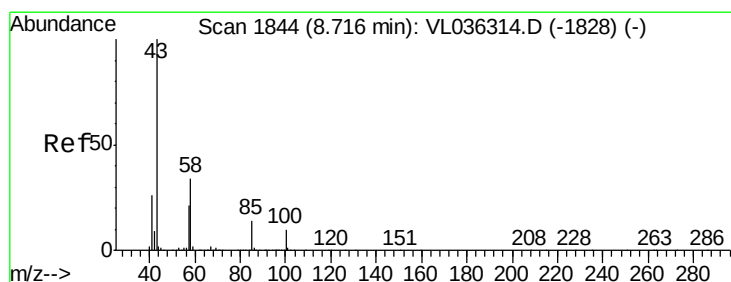
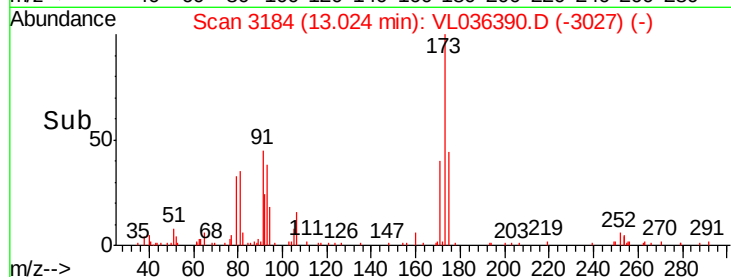
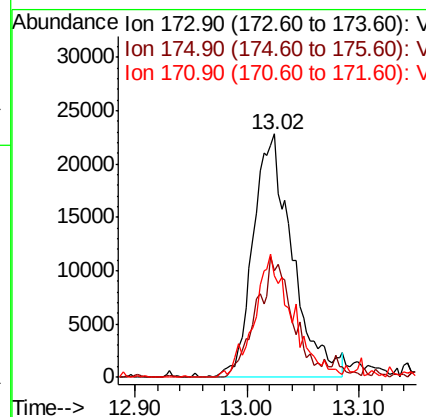
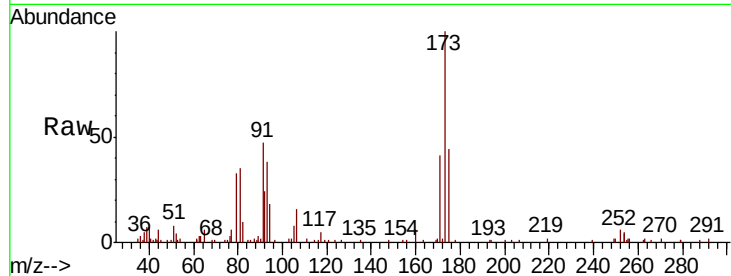
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	173	Resp:	55754
Ion	Ratio	Lower	Upper
173	100		
175	48.8	40.2	60.2
171	48.5	43.4	65.2

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#50

4-Methyl-2-Pentanone

Concen: 0.342 ppbv

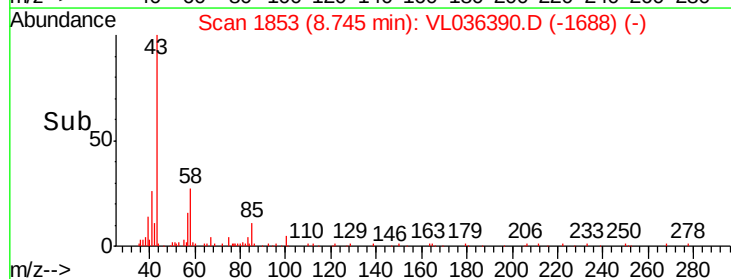
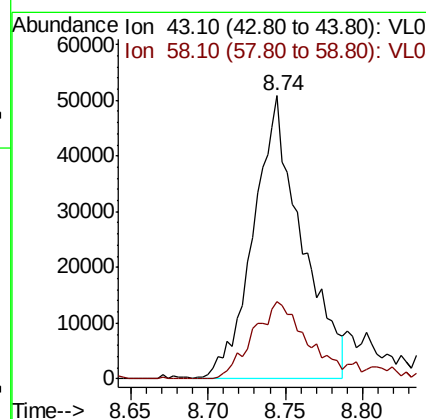
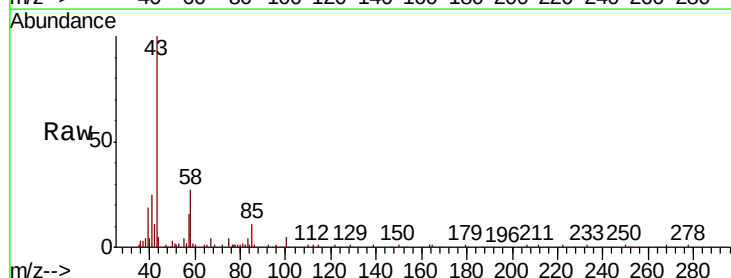
RT: 8.74 min Scan# 1853

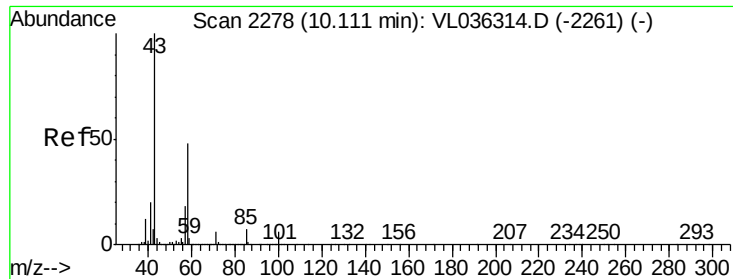
Delta R.T. 0.03 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion:	43	Resp:	110192
Ion	Ratio	Lower	Upper
43	100		
58	36.5	27.8	41.6





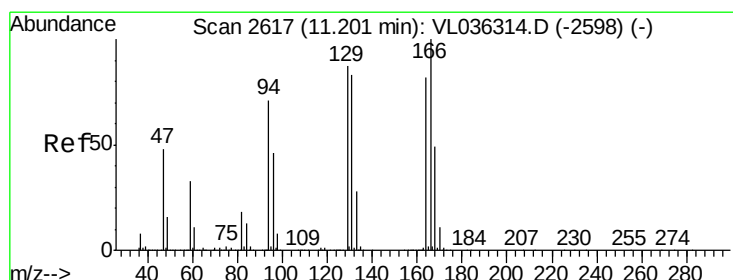
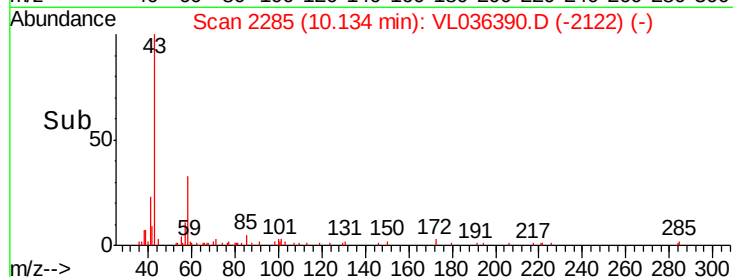
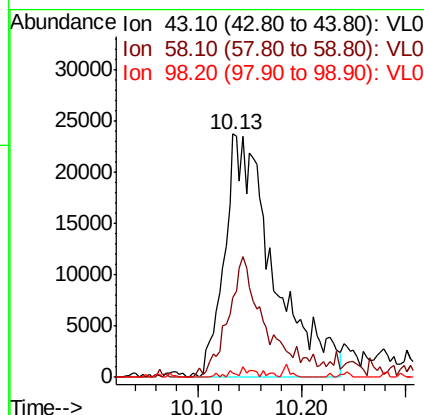
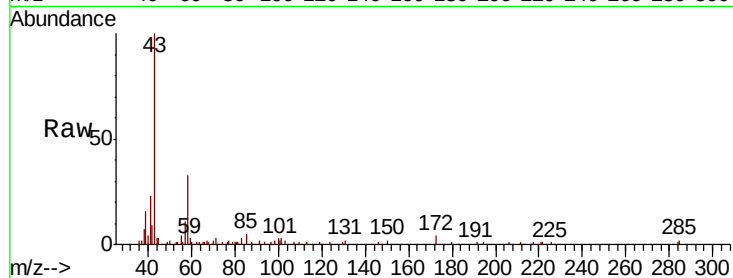
#51
2-Hexanone
Concen: 0.317 ppbv m
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.7	58.1#
98	0.0	0.4	0.6#

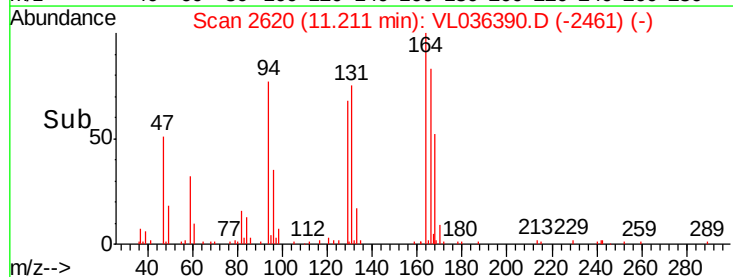
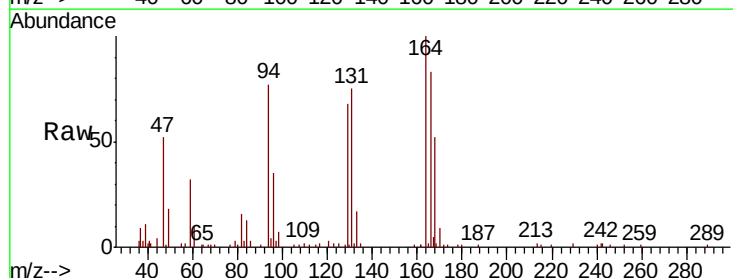
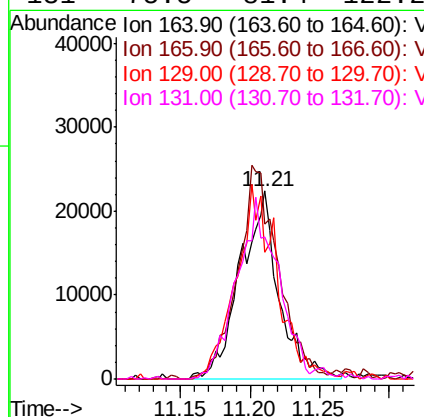
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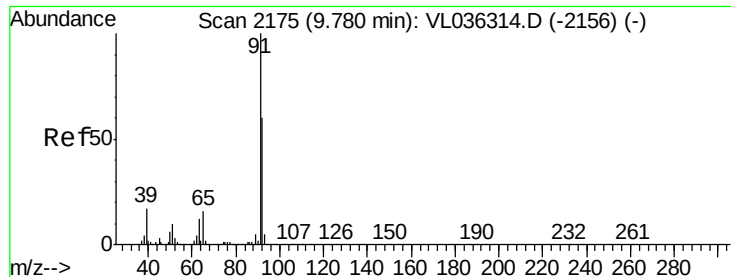
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#52
Tetrachloroethene
Concen: 0.428 ppbv m
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	82.7	97.8	146.8#
129	67.8	84.9	127.3#
131	75.5	81.4	122.2#





#53

Toluene

Concen: 0.345 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 103695

Ion Ratio Lower Upper

91 100

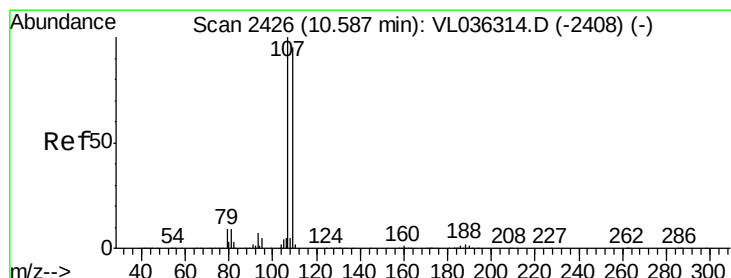
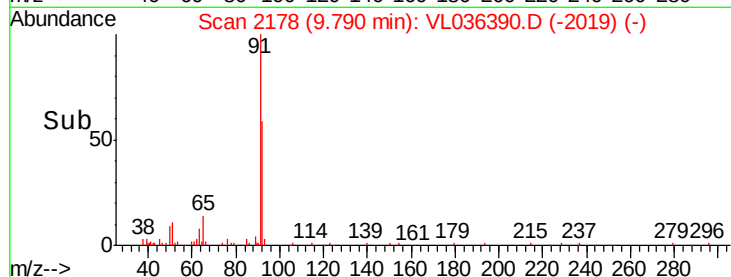
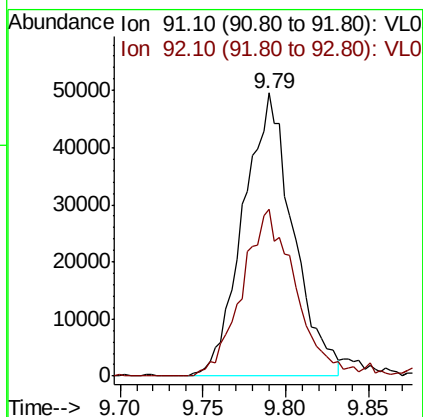
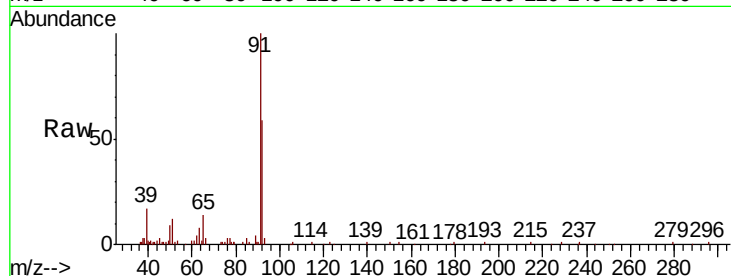
92 64.5 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 0.440 ppbv m

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL036390.D

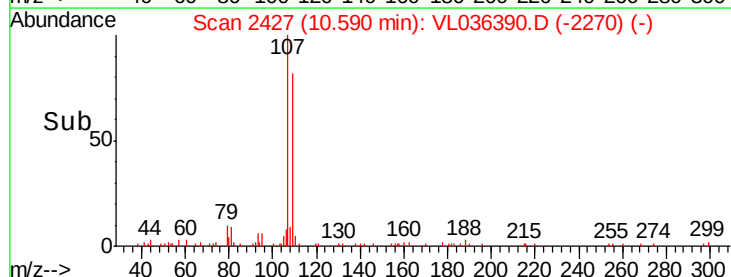
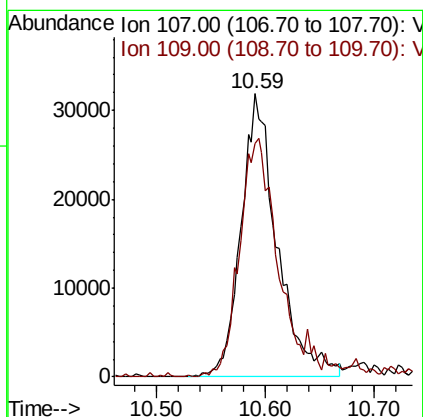
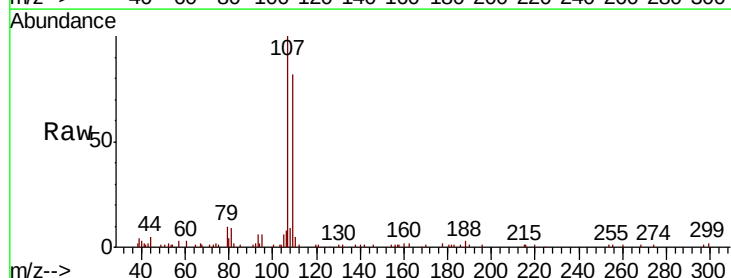
Acq: 25 Feb 2021 20:43

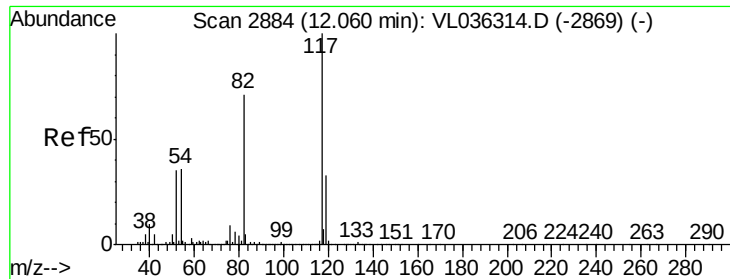
Tgt Ion: 107 Resp: 73499

Ion Ratio Lower Upper

107 100

109 82.3 76.0 114.0





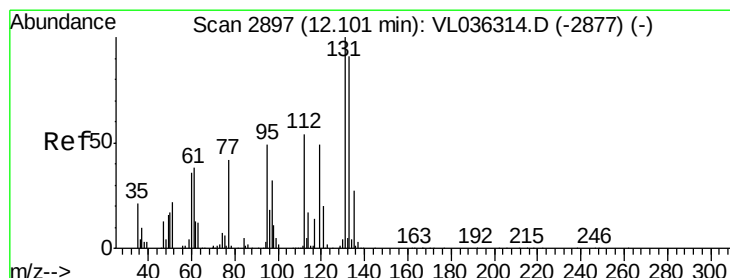
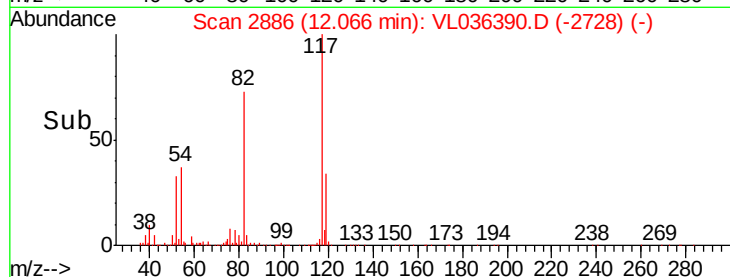
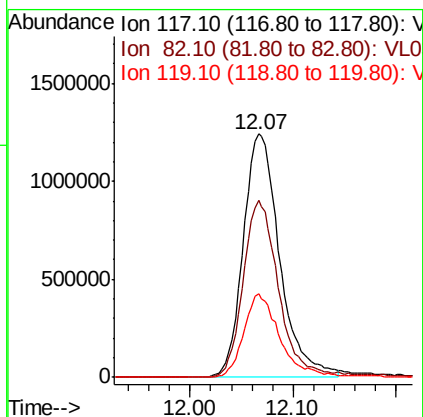
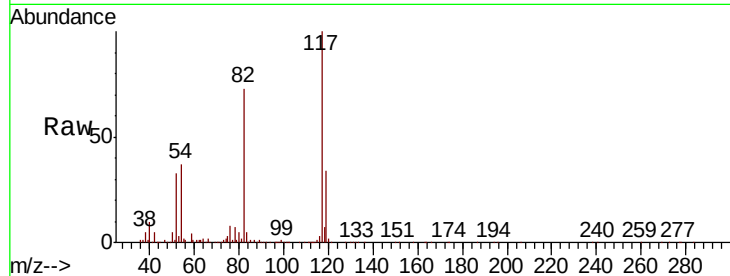
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.4	59.1	88.7
119	34.3	46.3	69.5#

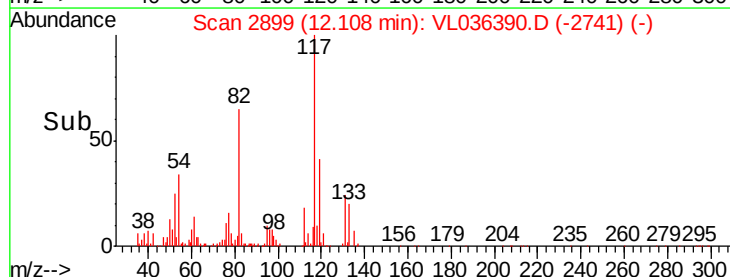
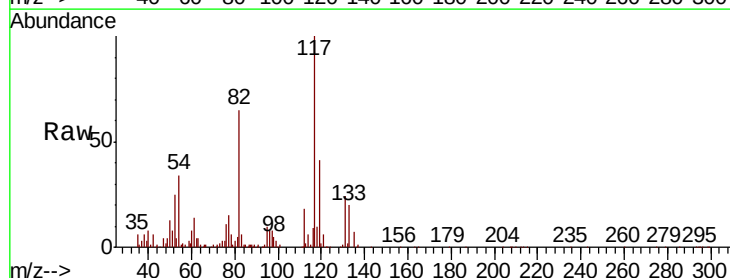
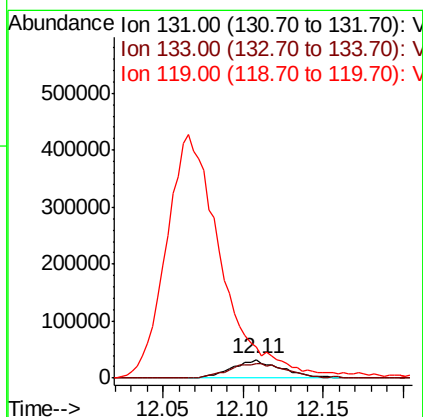
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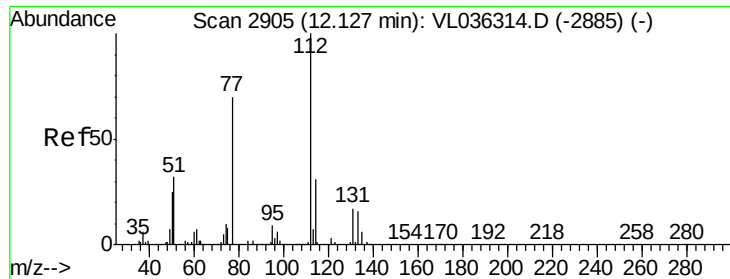
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.471 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.0	76.0	114.0
119	1593.2	115.1	172.7#





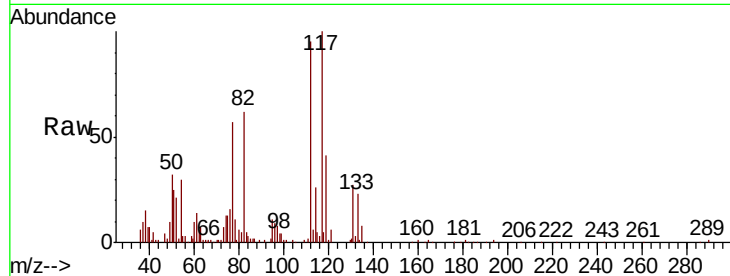
#57
Chlorobenzene
Concen: 0.498 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

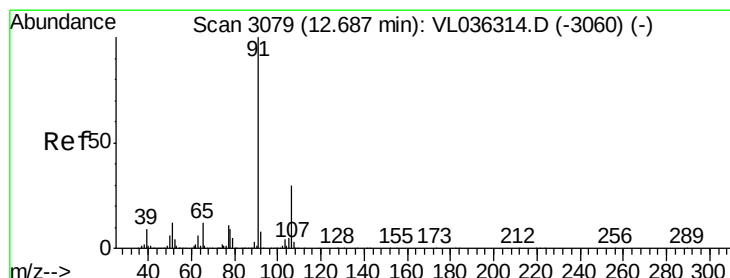
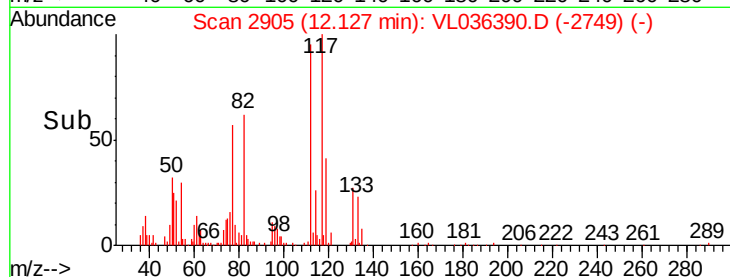
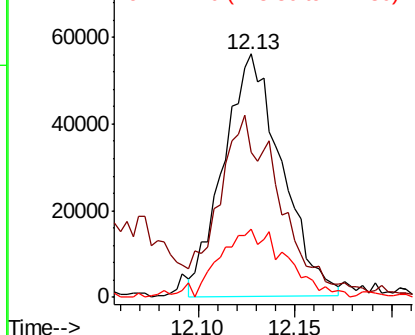
Tot Ion	Ratio	Lower	Upper
112	100		
77	56.3	56.1	84.1
114	26.1	28.3	34.5#

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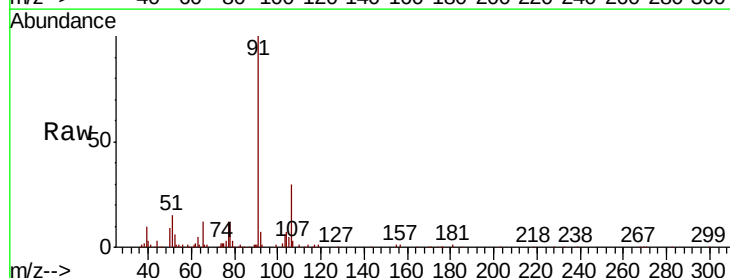


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

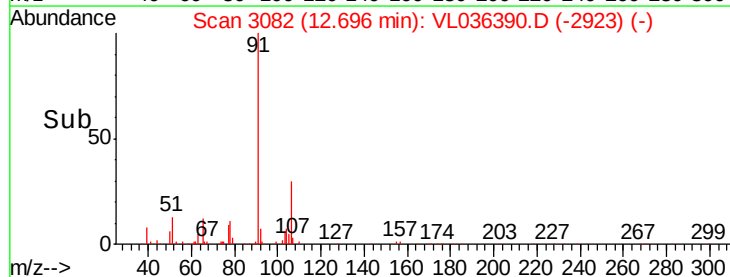
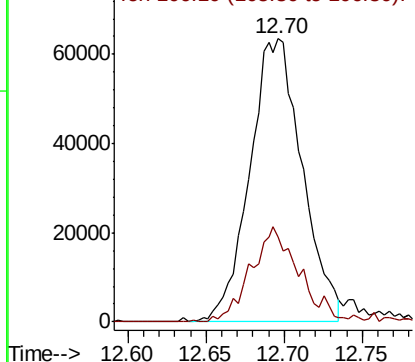


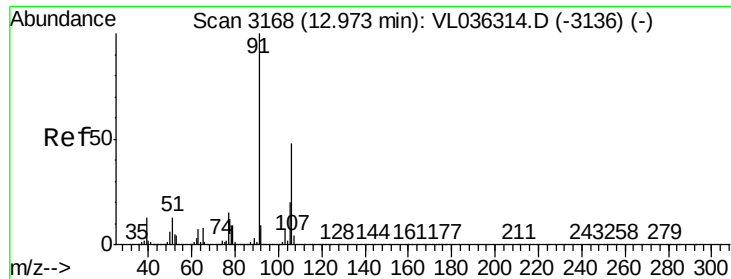
#58
Ethyl Benzene
Concen: 0.357 ppbv m
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





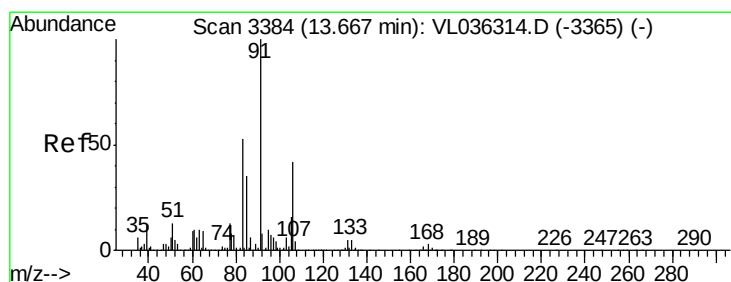
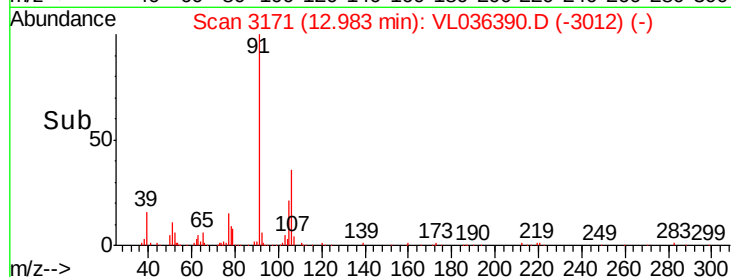
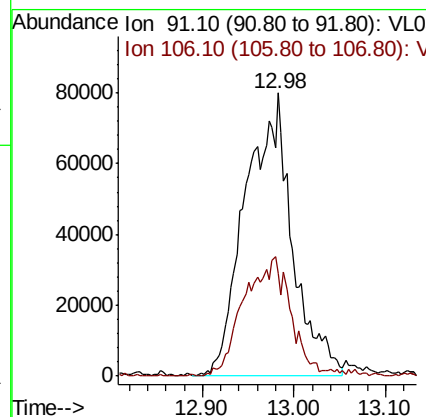
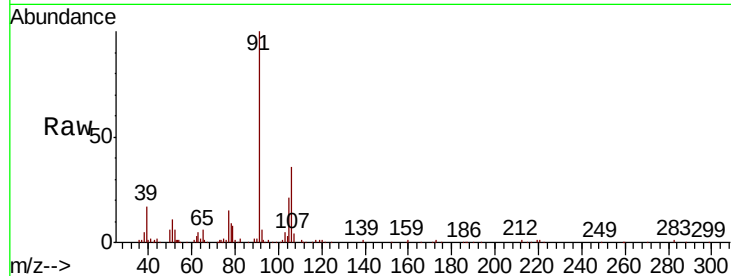
#59
m/p-Xylene
Concen: 0.778 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 284977
Ion Ratio Lower Upper
91 100
106 42.0 34.2 51.2

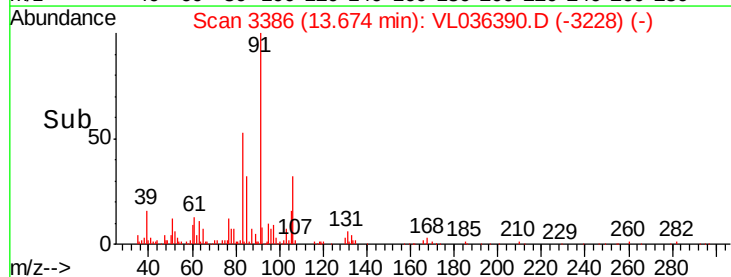
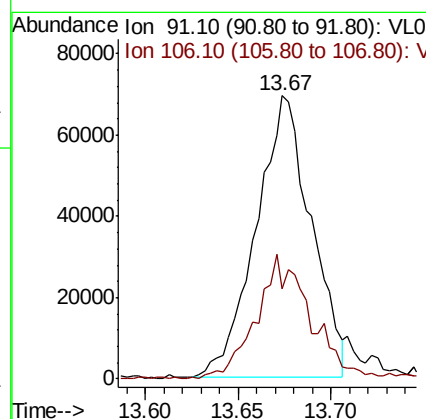
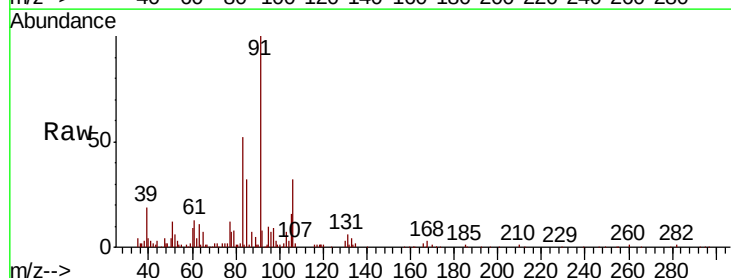
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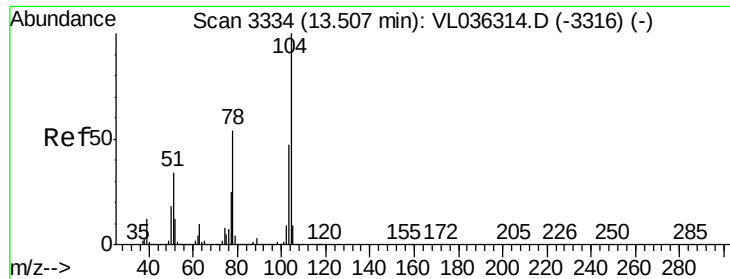
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#60
o-Xylene
Concen: 0.412 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion: 91 Resp: 144135
Ion Ratio Lower Upper
91 100
106 42.2 22.0 66.0





#61

Stvrene

Concen: 0.295 ppbv m

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

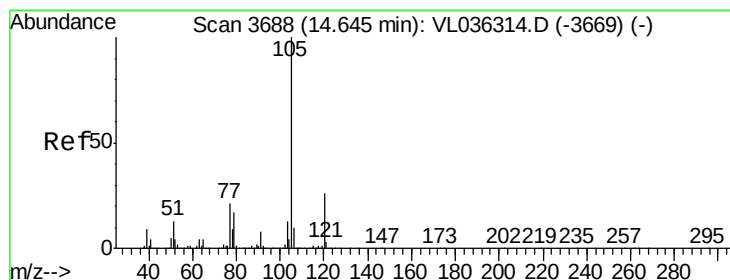
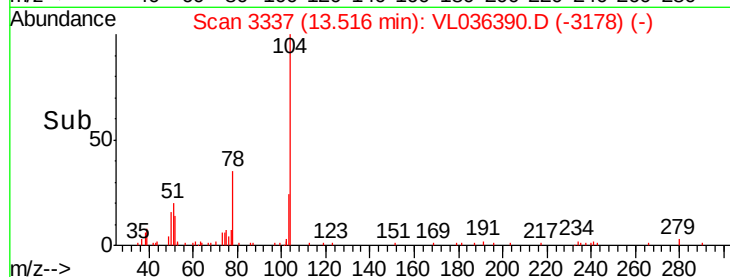
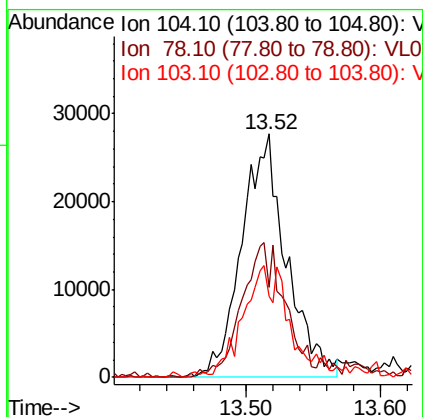
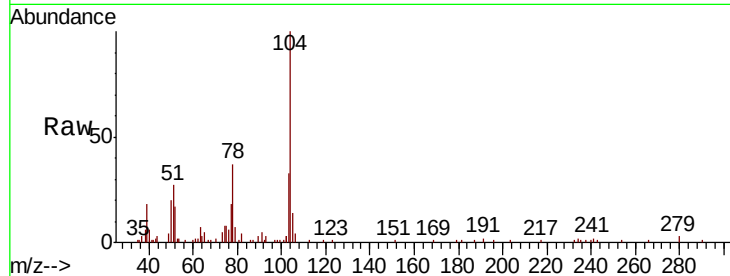
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	104	Resp:	64143
Ion Ratio	Lower	Upper	
104	100		
78	59.1	46.2	69.2
103	51.6	38.3	57.5

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3/1/2021 10:03:11 AM



#62

Isopropylbenzene

Concen: 0.442 ppbv m

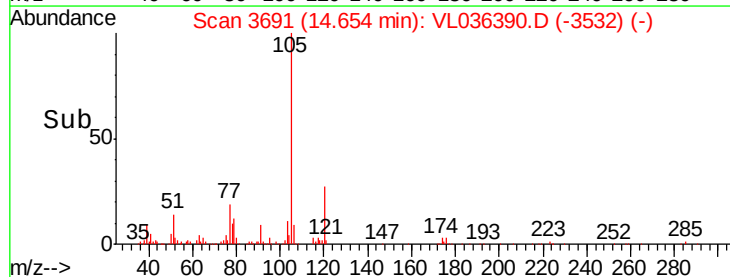
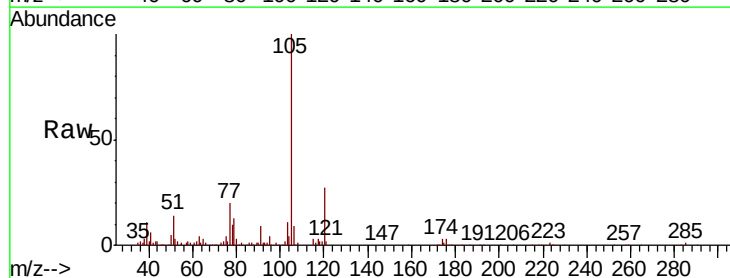
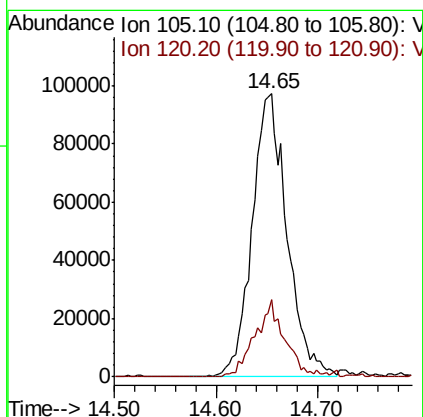
RT: 14.65 min Scan# 3691

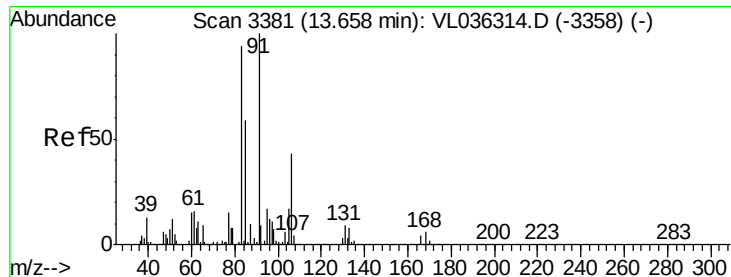
Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion:	105	Resp:	232061
Ion Ratio	Lower	Upper	
105	100		
120	23.8	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.441 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

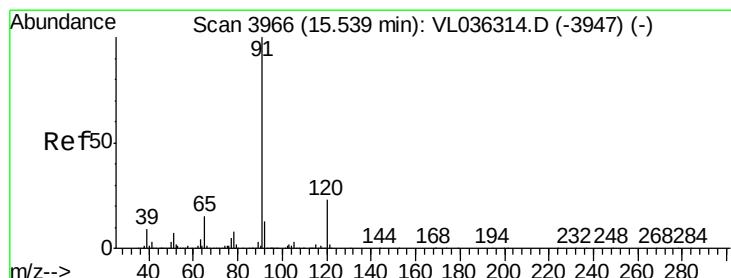
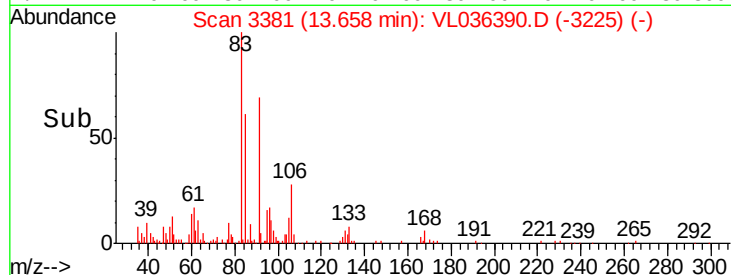
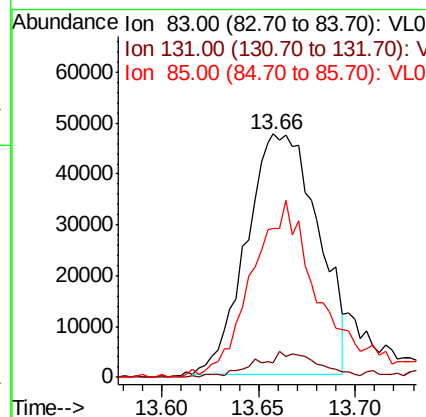
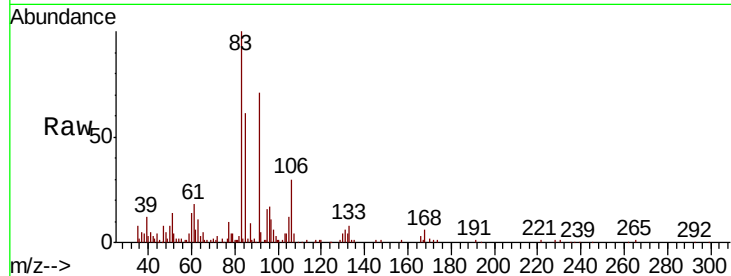
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	83	Resp:	121948
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.7	14.0
85	77.1	33.0	98.9

Manual Integrations
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3/1/2021 10:03:11 AM



#64

n-propylbenzene

Concen: 0.358 ppbv m

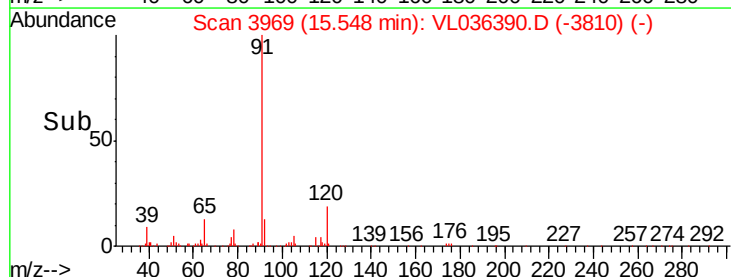
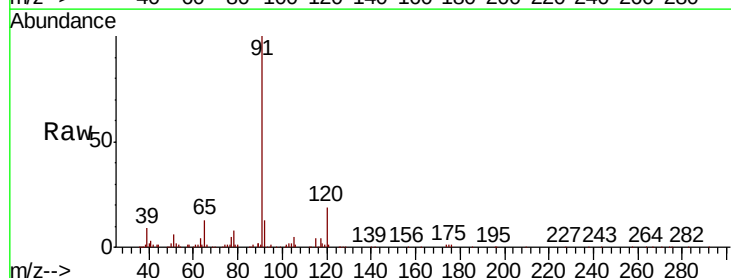
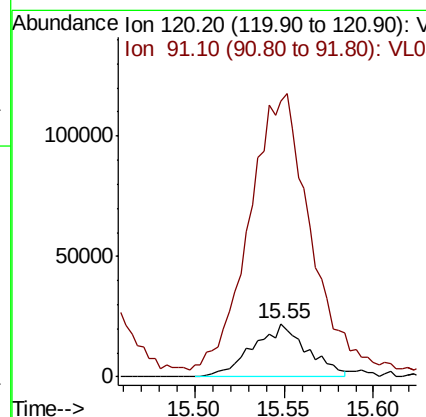
RT: 15.55 min Scan# 3969

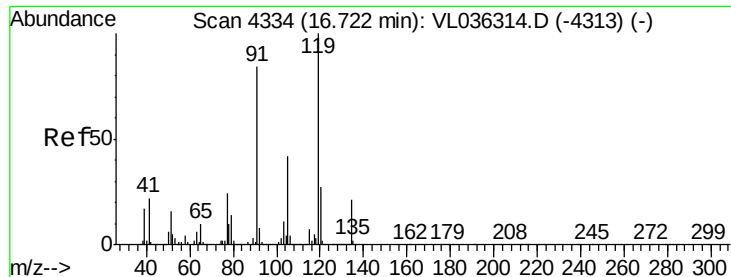
Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion:	120	Resp:	46312
Ion Ratio	Lower	Upper	
120	100		
91	647.6	387.2	580.8#





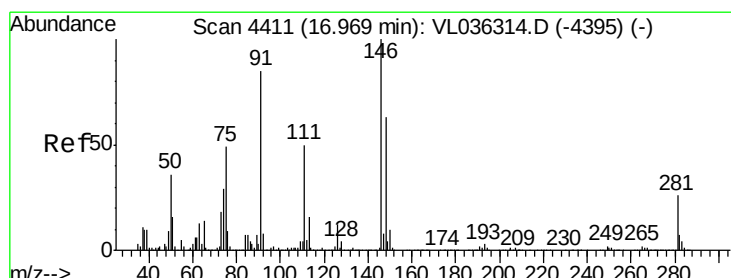
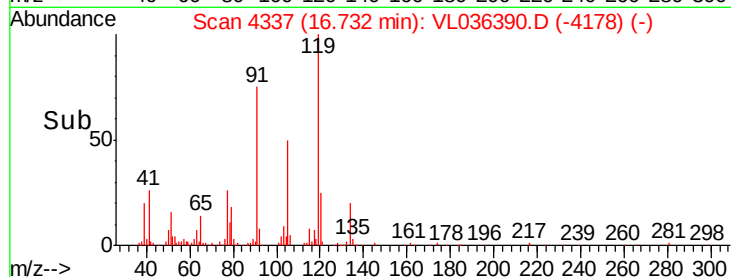
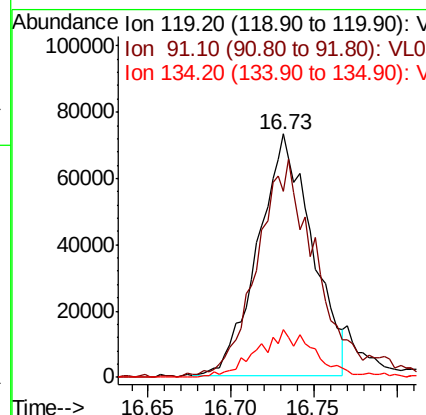
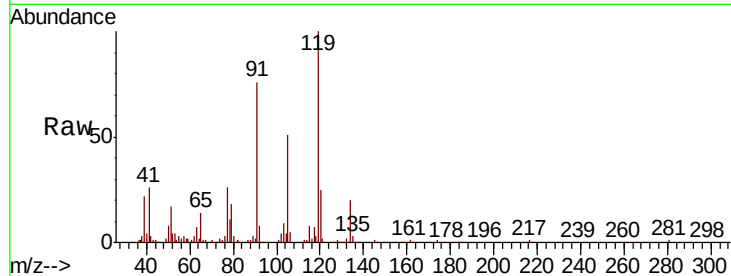
#65
tert-Butylbenzene
Concen: 0.368 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
119	100		
91	105.6	70.5	105.7
134	21.8	15.8	23.8

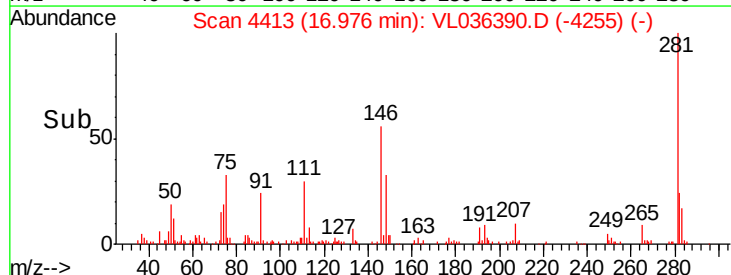
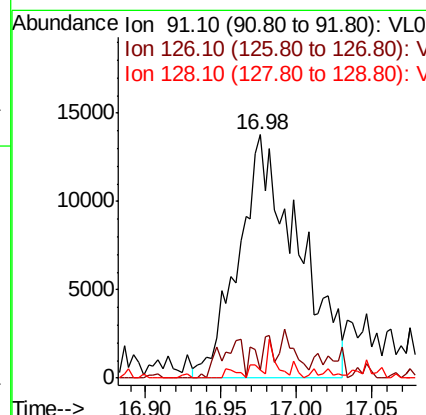
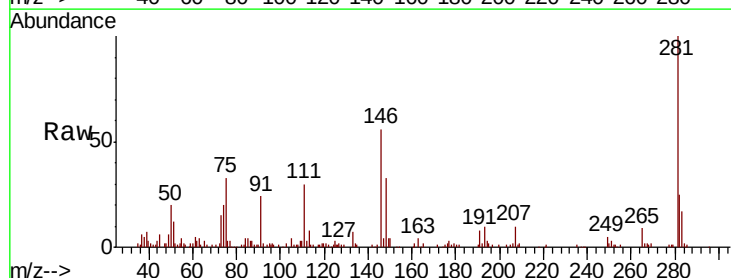
Manual Integrations
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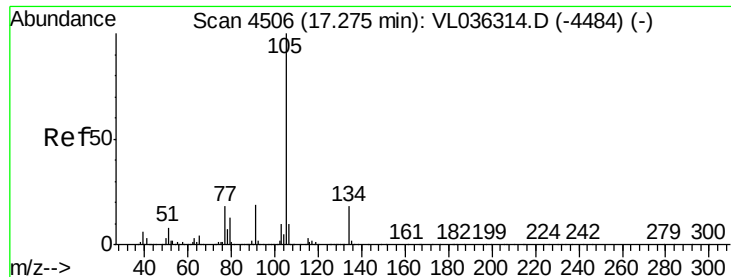
MMDadoda
3/1/2021 10:03:11 AM



#66
Benzyl Chloride
Concen: 0.308 ppbv m
RT: 16.98 min Scan# 4413
Delta R.T. 0.01 min
Lab File: VL036390.D
Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.9	19.3#
128	1.9	4.2	6.2#





#67

sec-Butylbenzene

Concen: 0.368 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 105 Resp: 238673

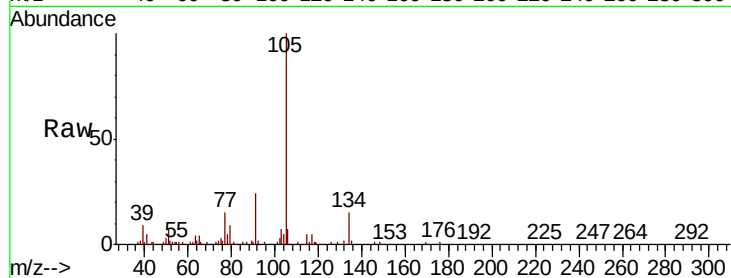
Ion Ratio Lower Upper

105 100

134 19.9 14.2 21.4

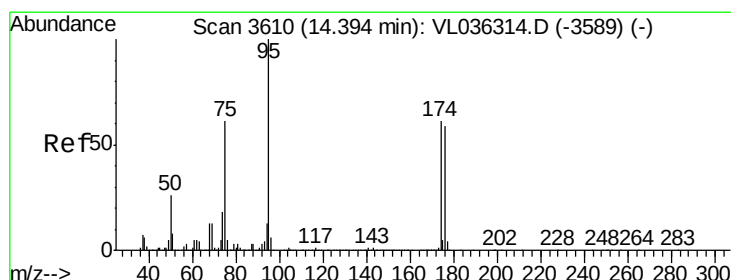
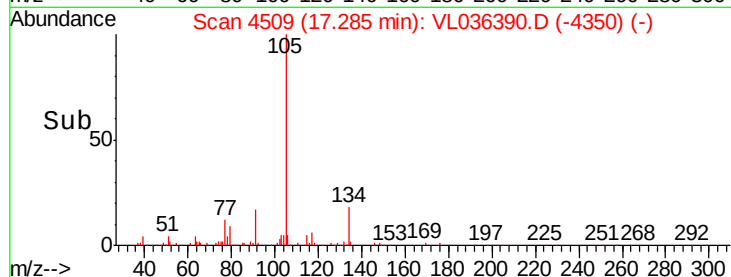
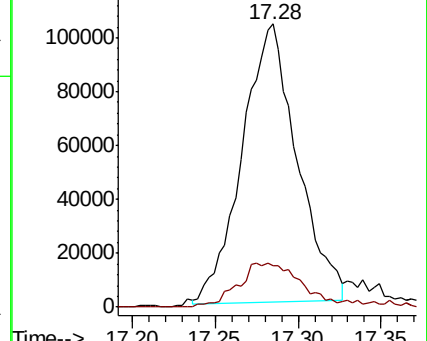
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.070 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

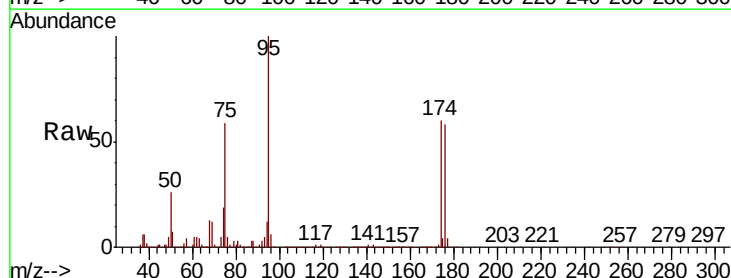
Tgt Ion: 95 Resp: 2523460

Ion Ratio Lower Upper

95 100

174 63.9 49.8 74.6

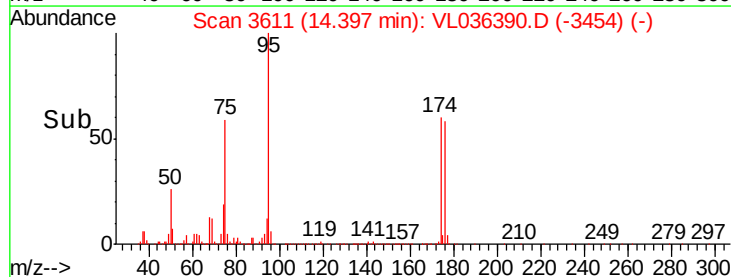
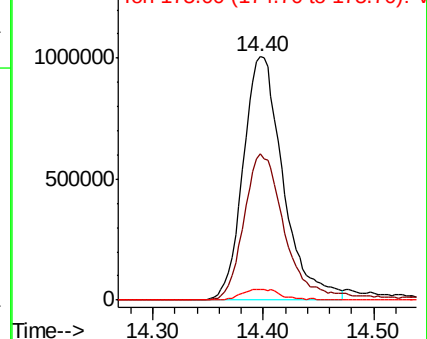
175 4.7 3.7 5.5

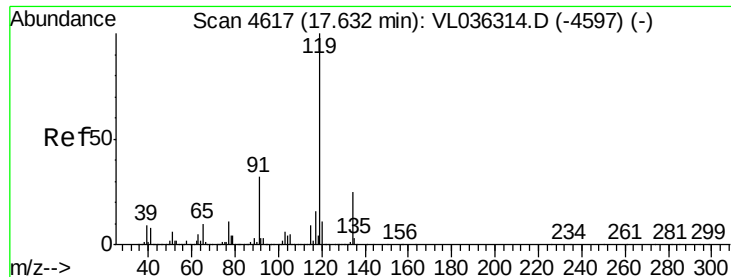


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





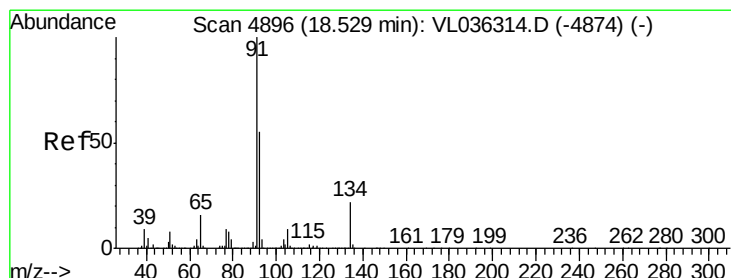
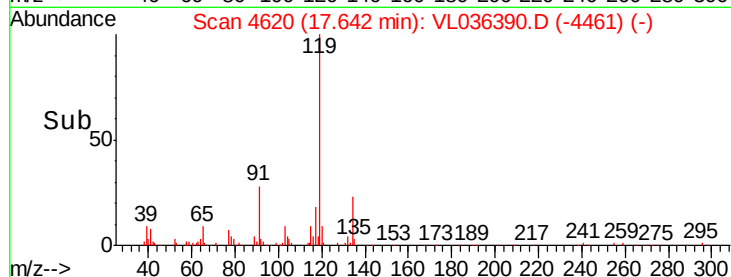
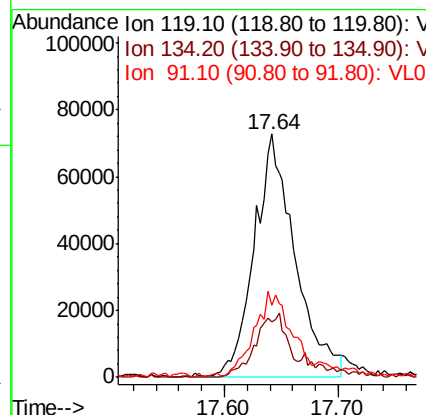
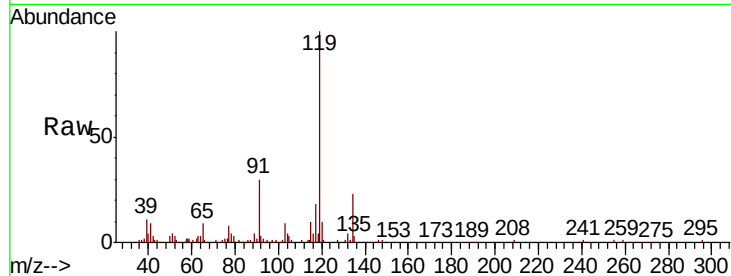
#69
 p-Isopropyltoluene
 Concen: 0.363 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	25.5	20.1	30.1
91	38.4	25.8	38.6

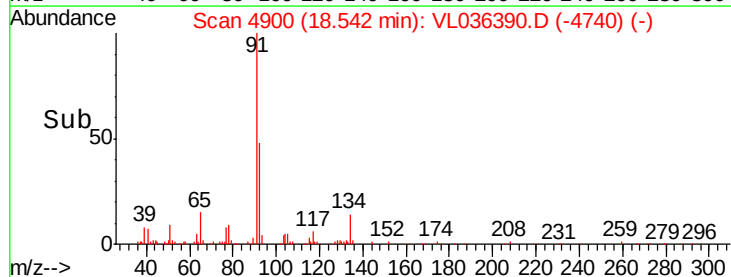
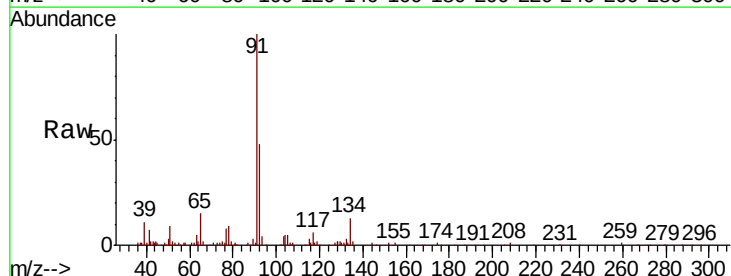
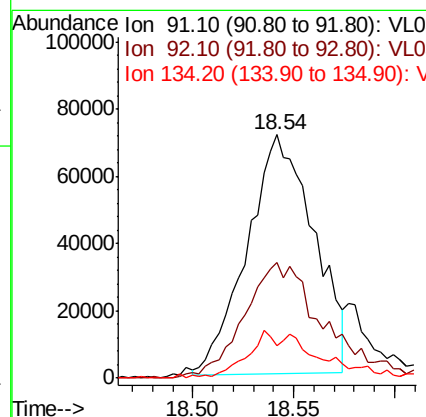
Manual Integrations
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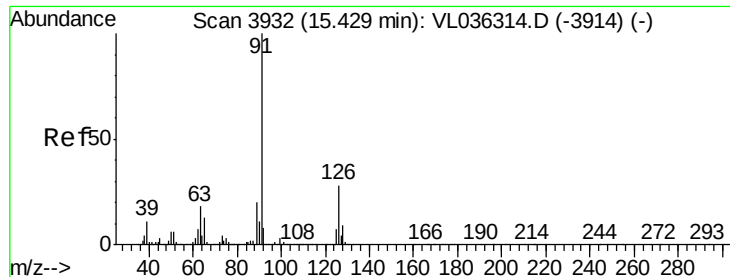
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.306 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	59.6	43.7	65.5
134	21.5	17.4	26.0





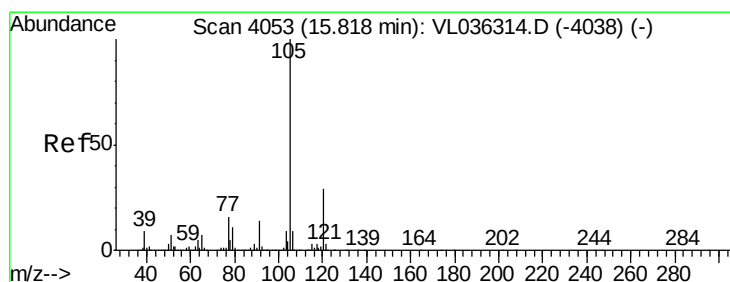
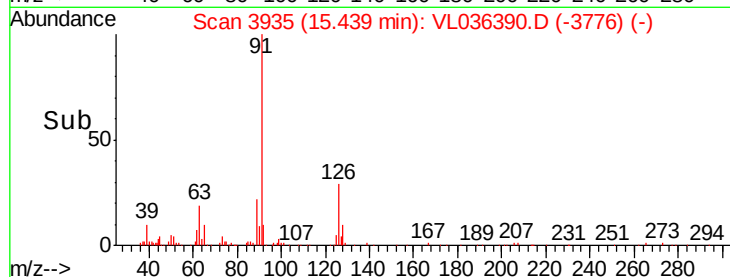
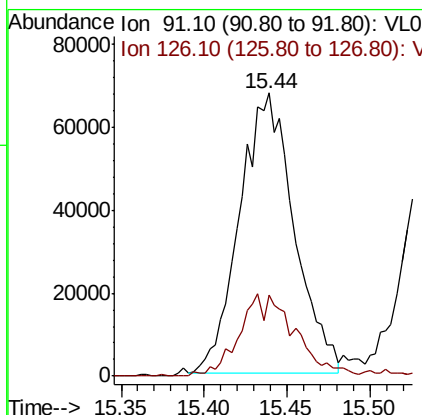
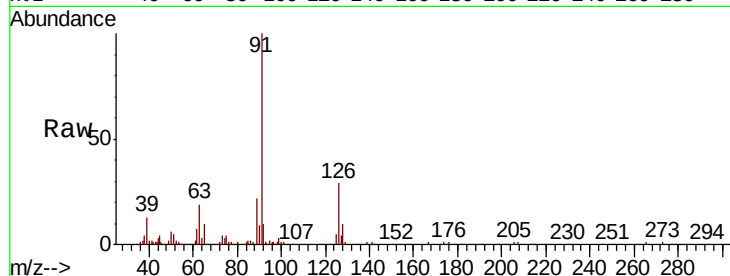
#71
 2-Chlorotoluene
 Concen: 0.385 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	11.5	46.1

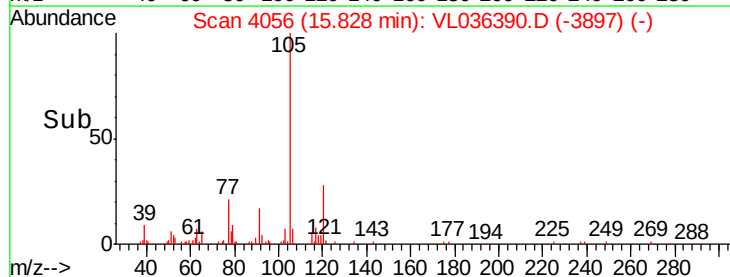
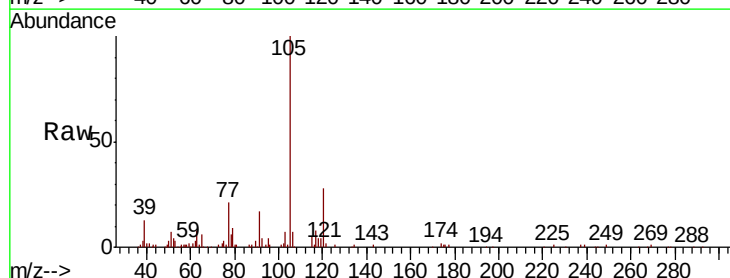
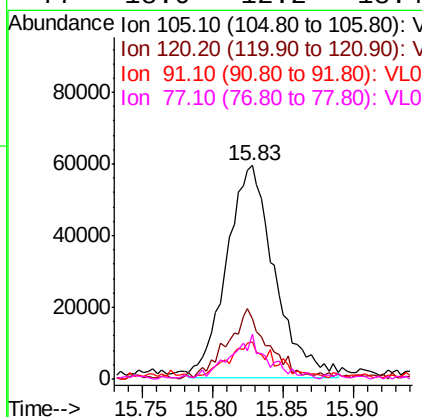
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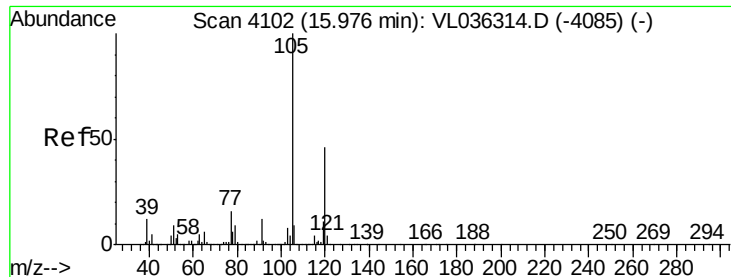
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 0.363 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.3	23.2	34.8
91	15.7	11.0	16.4
77	18.0	12.2	18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.339 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:105 Resp: 128195

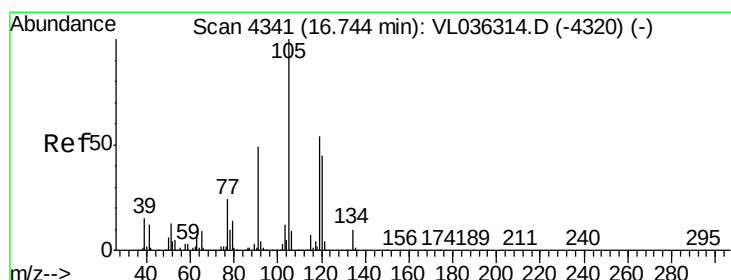
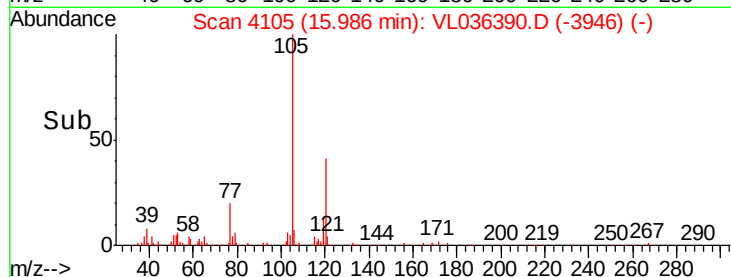
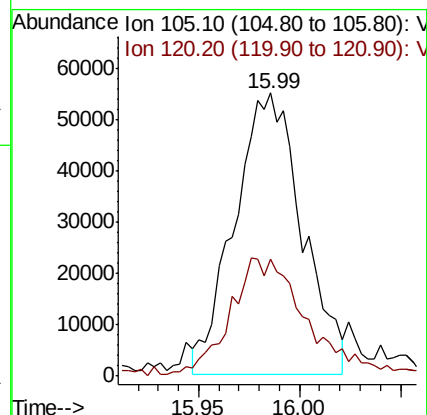
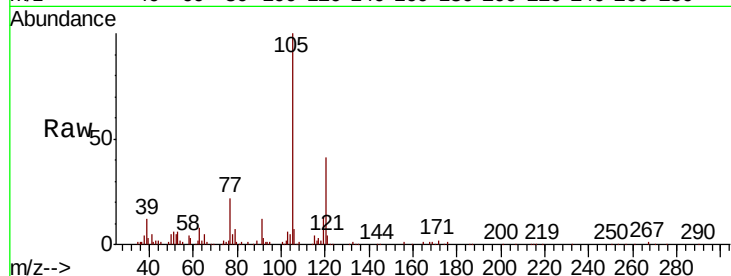
Ion Ratio Lower Upper

105 100

120 42.1 36.9 55.3

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3/1/2021 10:03:11 AM



#74

1,2,4-Trimethylbenzene

Concen: 0.379 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion:105 Resp: 146200

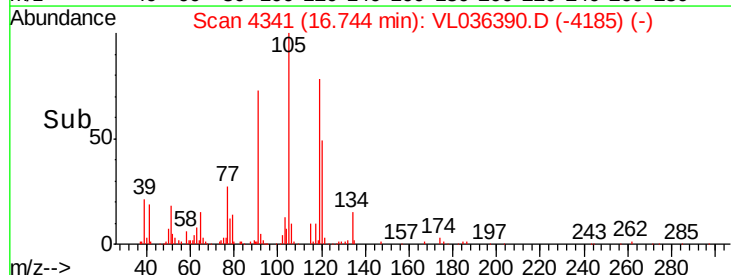
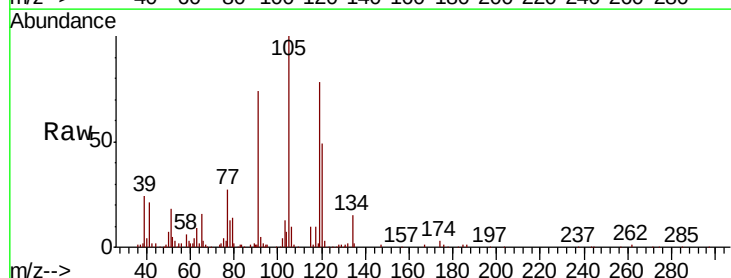
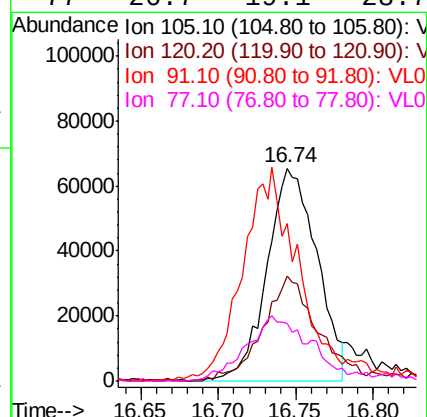
Ion Ratio Lower Upper

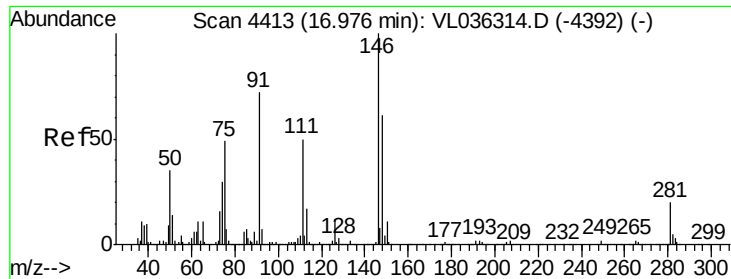
105 100

120 49.3 35.8 53.6

91 71.2 39.8 59.6#

77 26.7 19.1 28.7





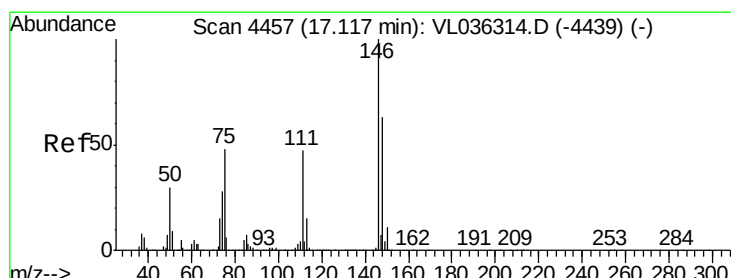
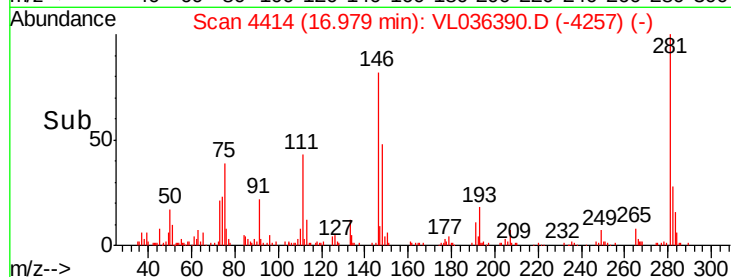
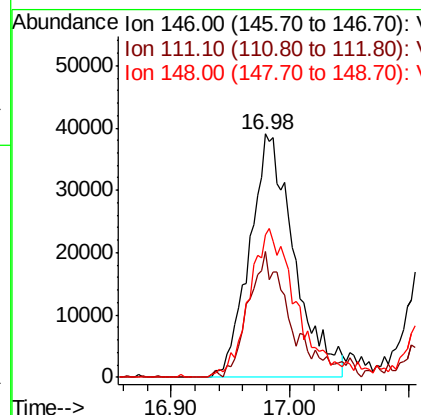
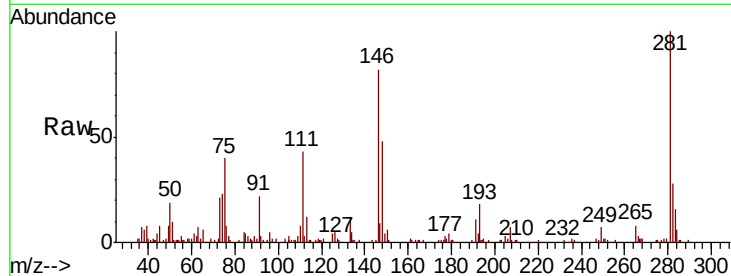
#75
 1,3-Dichlorobenzene
 Concen: 0.483 ppbv m
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.00 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.9	74.6
148	64.4	31.9	95.9

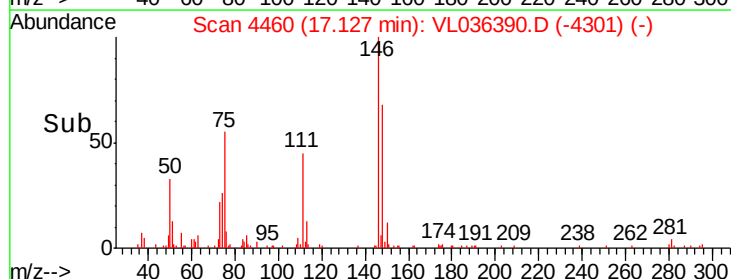
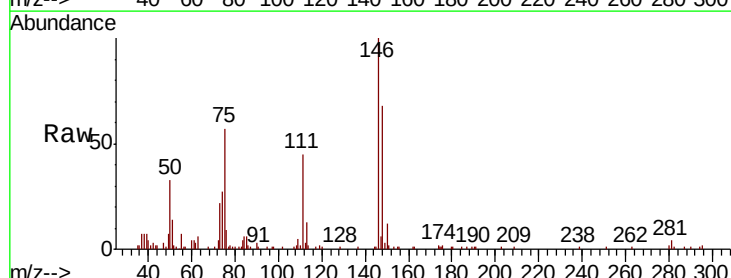
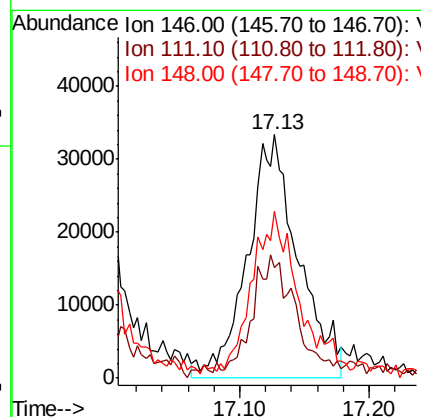
Manual Integrations
 APPROVED

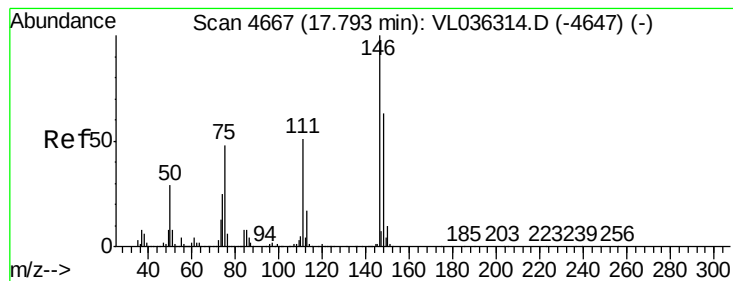
MMDadoda
 3/1/2021 10:03:11 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.419 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.6	71.0
148	64.0	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 0.444 ppbv m

RT: 17.81 min Scan# 4671

Delta R.T. 0.01 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

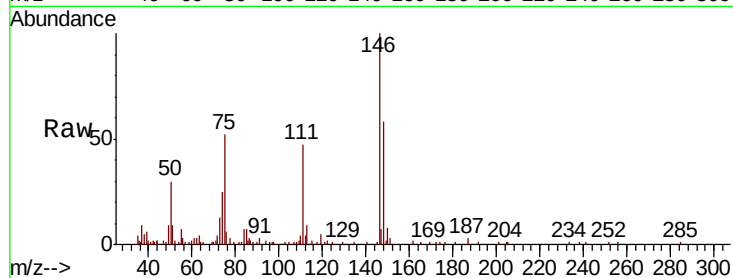
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

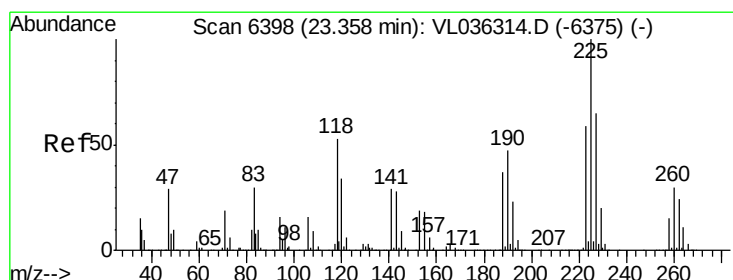
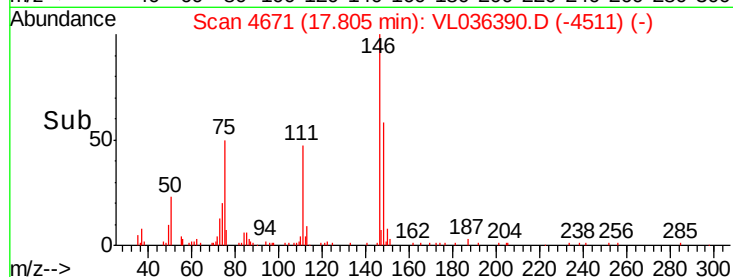
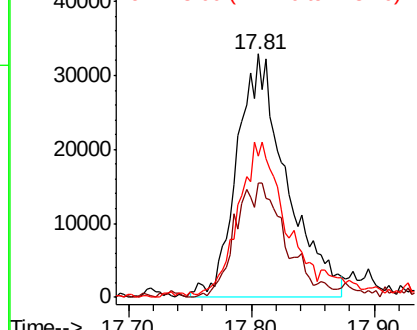
Tot Ion:	146	Resp:	92162
Ion Ratio	Lower	Upper	
146	100		
111	50.2	25.9	77.8
148	68.2	32.5	97.4

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.505 ppbv m

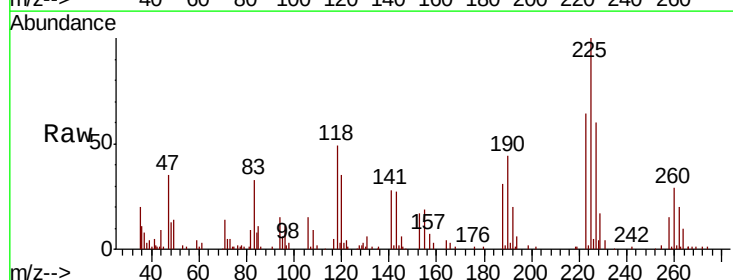
RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

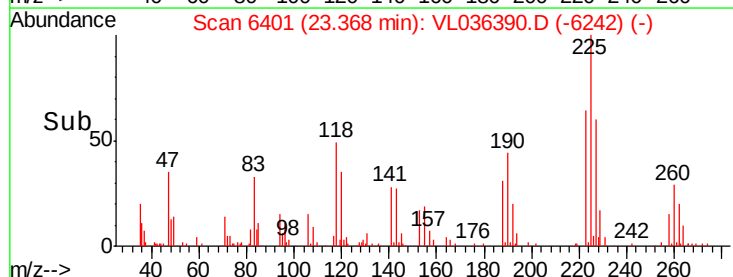
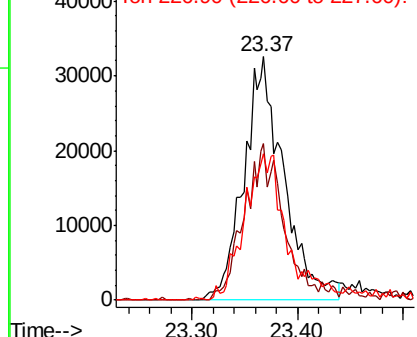
Lab File: VL036390.D

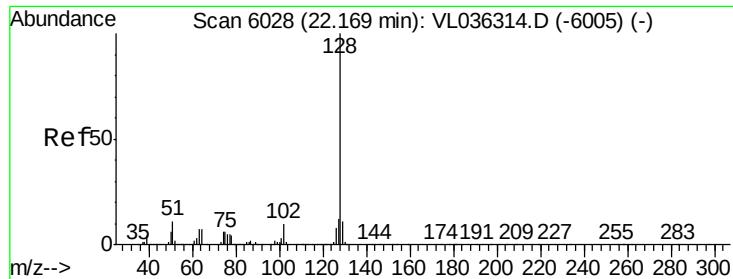
Acq: 25 Feb 2021 20:43

Tgt Ion:	225	Resp:	85776
Ion Ratio	Lower	Upper	
225	100		
223	64.0	50.8	76.2
227	66.5	52.2	78.2



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.177 ppbv m

RT: 22.19 min Scan# 6035

Delta R.T. 0.02 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Instrument :

MSVOA_L

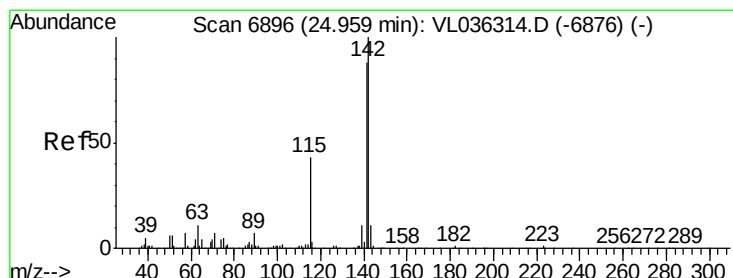
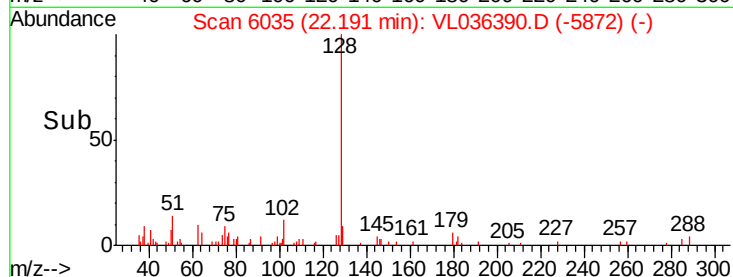
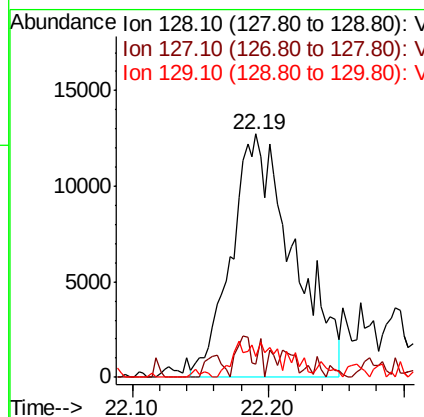
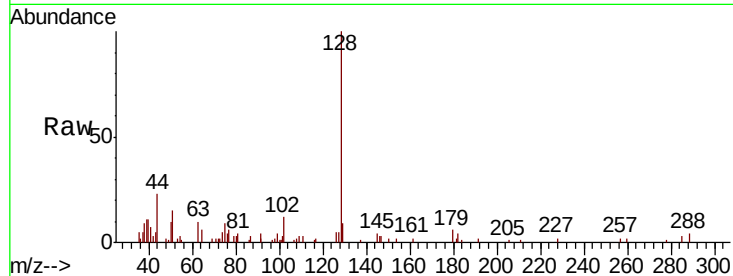
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	128	Resp:	40424
Ion Ratio	Lower	Upper	
128	100		
127	5.4	9.6	14.4#
129	8.8	8.5	12.7

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#80

Naphthalene, 2-methyl-

Concen: 0.087 ppbv m

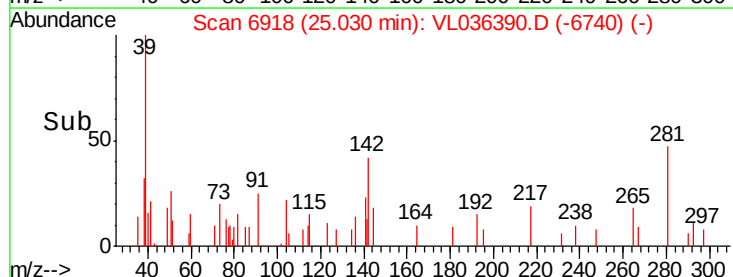
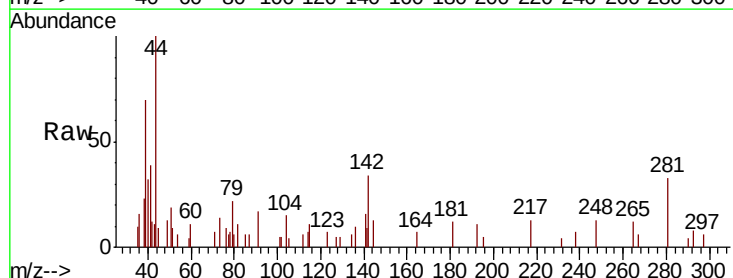
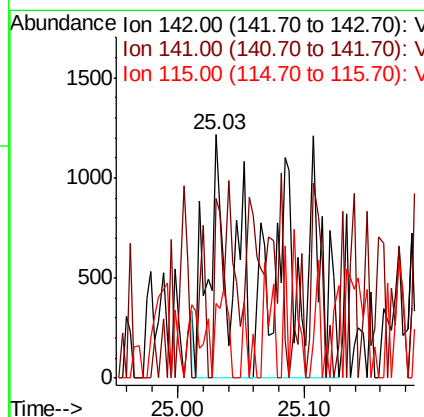
RT: 25.03 min Scan# 6918

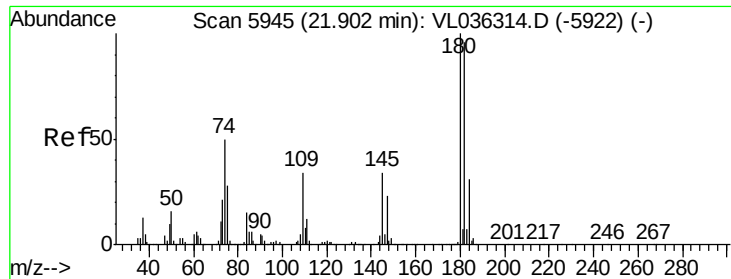
Delta R.T. 0.07 min

Lab File: VL036390.D

Acq: 25 Feb 2021 20:43

Tgt Ion:	142	Resp:	3673
Ion Ratio	Lower	Upper	
142	100		
141	38.9	64.4	96.6#
115	21.8	34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.270 ppbv m
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL036390.D
 Acq: 25 Feb 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.2	120.4#
184	0.0	25.0	37.6#

Manual Integrations
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