

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036389.D
 Acq On : 25 Feb 2021 20:06
 Operator : SY/AP
 Sample : M1458-13 0.45LOD
 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 10:03:07 AM

Quant Time: Feb 26 15:57:01 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	1492826	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3340374	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3041092	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2522803	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	152253	0.683	ppbv	100
3) Chlorodifluoromethane	2.98	51	112343	0.606	ppbv	97
4) Chloromethane	3.13	50	48634	0.543	ppbv #	86
5) Vinyl Chloride	3.24	62	45604	0.547	ppbv	94
6) Bromomethane	3.46	94	29694m	0.599	ppbv	
7) Chloroethane	3.54	64	18429m	0.622	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	118582	0.585	ppbv	92
9) Propene	3.00	41	44893m	0.649	ppbv	
10) Heptane	8.10	43	91647	0.450	ppbv	99
11) Trichlorofluoromethane	3.93	101	119938	0.550	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	81796m	0.605	ppbv	
13) Ethanol	3.60	45	7432m	0.572	ppbv	
14) Bromoethene	3.73	108	27001	0.477	ppbv #	94
15) Acetone	3.85	43	120432m	0.660	ppbv	
16) 1,3-Butadiene	3.32	39	51002m	0.584	ppbv	
17) tert-Butyl alcohol	4.29	59	73313m	0.518	ppbv	
18) 1,1-Dichloroethene	4.27	96	35104m	0.572	ppbv	
19) Isopropyl Alcohol	3.97	45	60573m	0.599	ppbv	
20) Methylene Chloride	4.33	84	37396m	0.635	ppbv	
21) Allyl Chloride	4.40	41	48020	0.473	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	28694m	0.514	ppbv	
23) Vinyl Acetate	5.06	43	108299m	0.505	ppbv	
24) 1,1-Dichloroethane	4.99	63	88989m	0.561	ppbv	
25) Ethyl Acetate	5.66	43	162956	0.463	ppbv #	94
26) Hexane	5.67	57	66696	0.461	ppbv #	77
27) Carbon Disulfide	4.54	76	65722m	0.494	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	86163m	0.456	ppbv	
29) Chloroform	5.73	83	135241	0.580	ppbv	90
30) Cyclohexane	7.11	84	59980m	0.498	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	57794	0.404	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	117483	0.539	ppbv	95
34) 2-Butanone	5.24	43	95157	0.429	ppbv	99
35) Carbon Tetrachloride	7.00	117	119807m	0.535	ppbv	
36) Benzene	6.87	78	122713	0.432	ppbv	95
37) 1,2-Dichloroethane	6.29	62	89179	0.508	ppbv	97
38) Trichloroethene	7.83	130	52660m	0.518	ppbv	
39) 1,2-Dichloropropane	7.59	63	64457m	0.559	ppbv	
40) 1,4-Dioxane	7.85	88	23356m	0.585	ppbv	
41) Tetrahydrofuran	6.06	42	51137m	0.413	ppbv	
42) Bromodichloromethane	7.78	83	119487	0.509	ppbv #	78
43) Methyl Methacrylate	8.00	69	45101m	0.377	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	240606	0.466	ppbv	# 90
45) t-1,3-Dichloropropene	9.26	75	43367m	0.376	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	55801m	0.381	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	63841m	0.541	ppbv	
48) Dibromochloromethane	10.28	129	82975	0.471	ppbv	96
49) Bromoform	13.02	173	62163m	0.437	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	143647m	0.436	ppbv	
51) 2-Hexanone	10.14	43	83912m	0.335	ppbv	
52) Tetrachloroethene	11.20	164	48677m	0.469	ppbv	
53) Toluene	9.79	91	116446	0.379	ppbv	98
54) 1,2-Dibromoethane	10.59	107	84754m	0.497	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	80493m	0.575	ppbv	
57) Chlorobenzene	12.13	112	133231	0.567	ppbv	# 92
58) Ethyl Benzene	12.70	91	175732m	0.422	ppbv	
59) m/p-Xylene	12.98	91	347896m	0.951	ppbv	
60) o-Xylene	13.67	91	171431	0.490	ppbv	100
61) Styrene	13.52	104	70944m	0.327	ppbv	
62) Isopropylbenzene	14.65	105	250889	0.479	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	154516m	0.560	ppbv	
64) n-propylbenzene	15.55	120	57662	0.447	ppbv	# 57
65) tert-Butylbenzene	16.73	119	214747m	0.479	ppbv	
66) Benzyl Chloride	16.99	91	51369m	0.421	ppbv	
67) sec-Butylbenzene	17.28	105	307948	0.476	ppbv	98
69) p-Isopropyltoluene	17.64	119	218592	0.437	ppbv	95
70) n-Butylbenzene	18.55	91	239080m	0.446	ppbv	
71) 2-Chlorotoluene	15.43	91	181997m	0.453	ppbv	
72) 4-Ethyltoluene	15.83	105	162860m	0.418	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	154197	0.409	ppbv	# 85
74) 1,2,4-Trimethylbenzene	16.75	105	187455	0.487	ppbv	# 95
75) 1,3-Dichlorobenzene	16.98	146	116701m	0.558	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	99768m	0.460	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	99684	0.481	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	93946m	0.554	ppbv	
79) Naphthalene	22.20	128	47027m	0.206	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	4948m	0.117	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	44352m	0.318	ppbv	

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

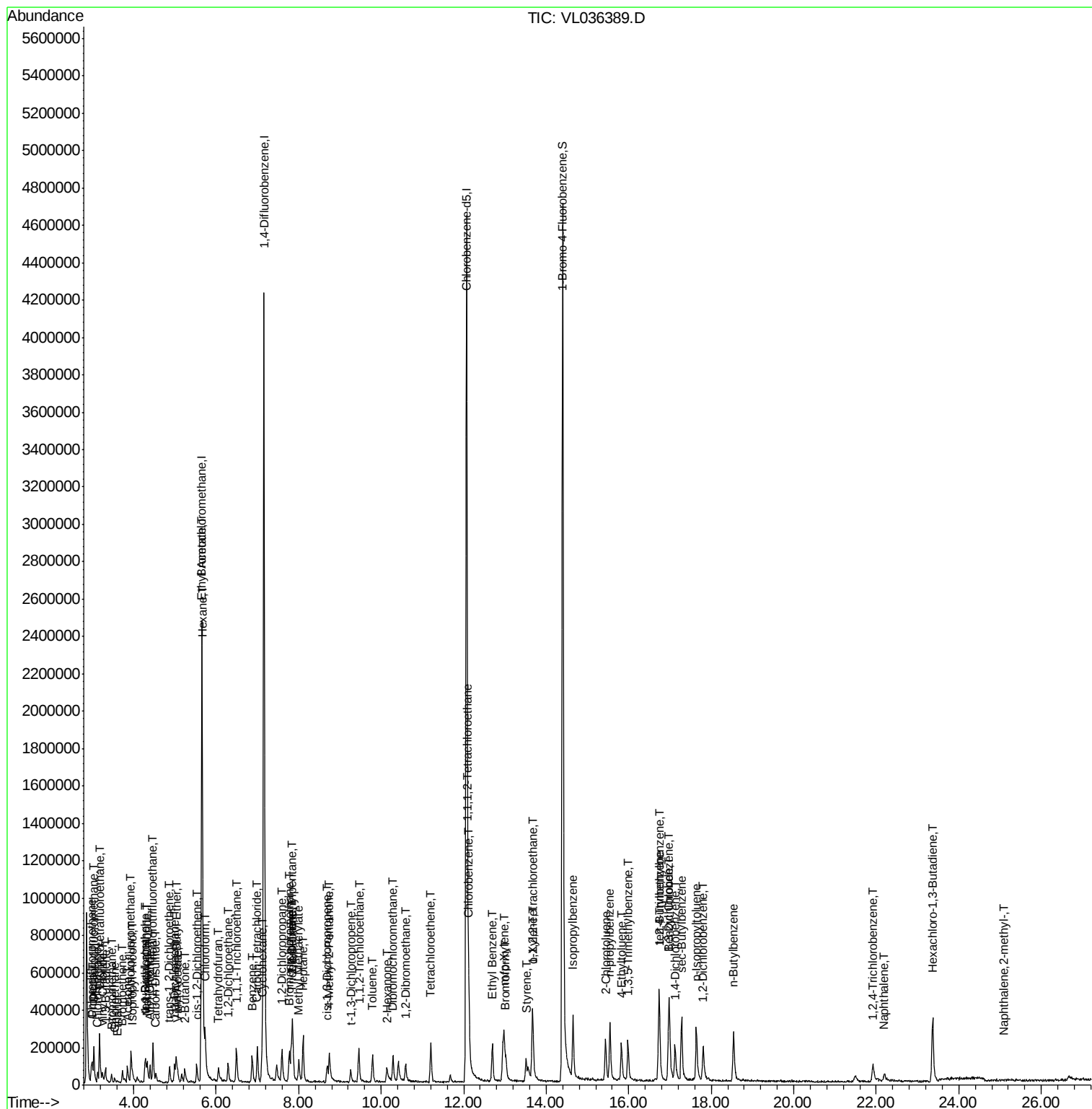
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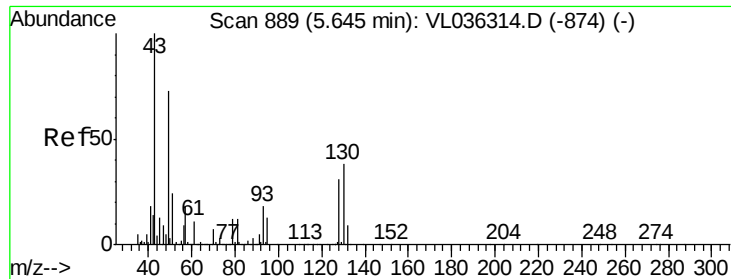
Instrument :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1492826

Ion Ratio Lower Upper

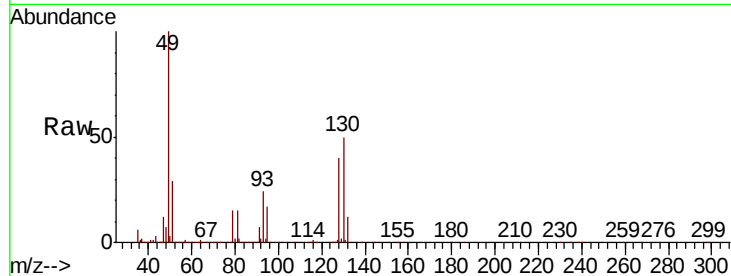
49 100

128 42.1 20.8 62.5

130 54.9 26.7 80.1

Manual Integrations
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3/1/2021 10:03:07 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

800000

600000

400000

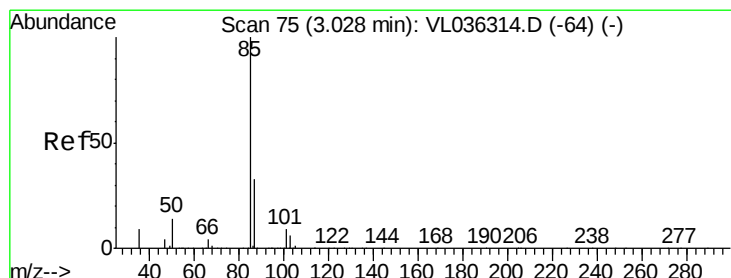
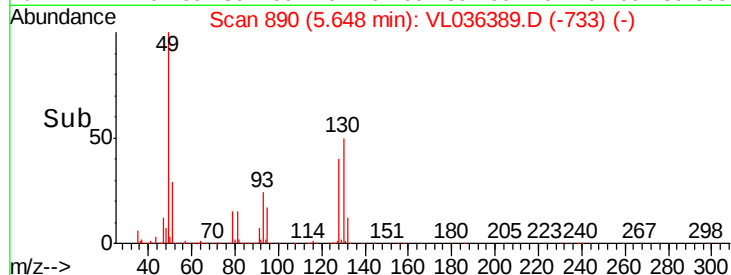
200000

0

5.65

5.55 5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.683 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036389.D

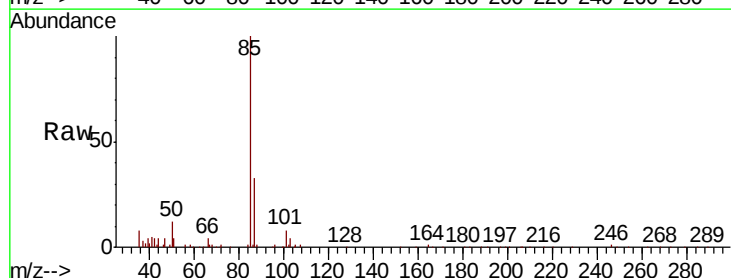
Acq: 25 Feb 2021 20:06

Tgt Ion: 85 Resp: 152253

Ion Ratio Lower Upper

85 100

87 33.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

100000

80000

60000

40000

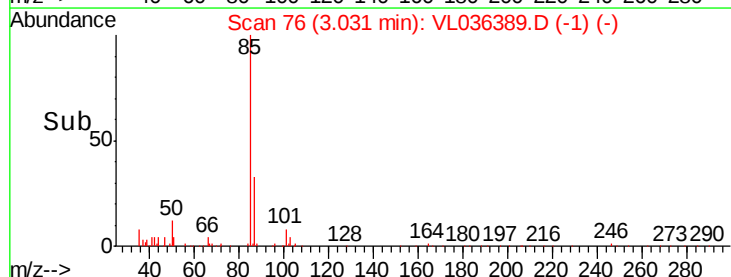
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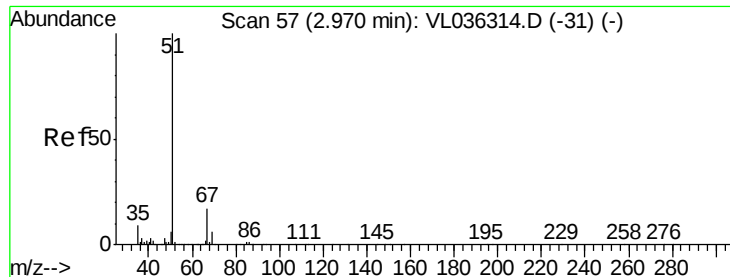
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3.03

3.00 3.05 3.10

Time-->





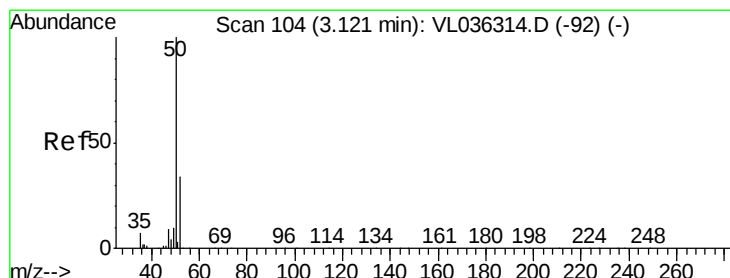
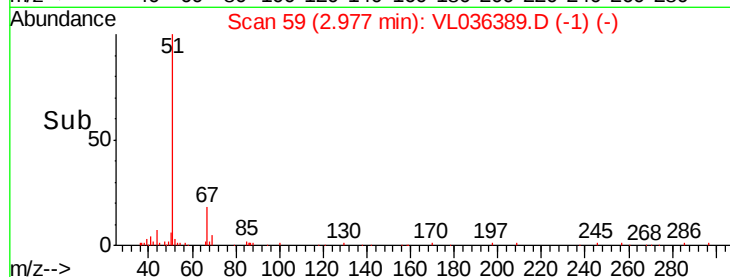
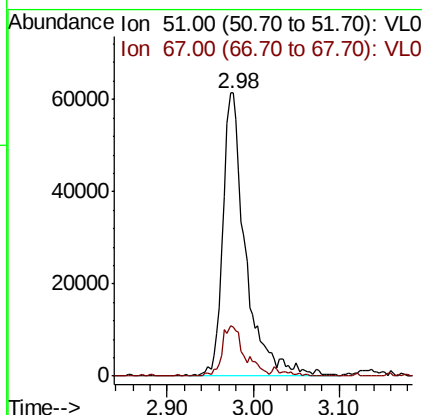
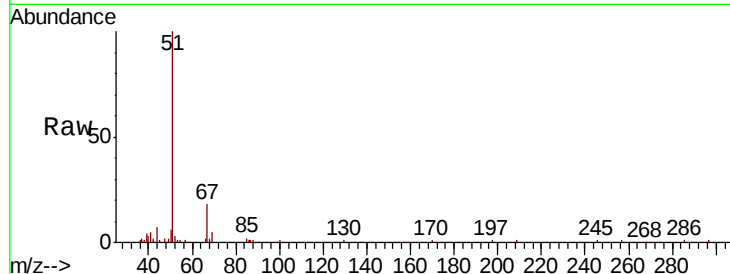
#3
Chlorodifluoromethane
Concen: 0.606 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.6	14.7	22.1

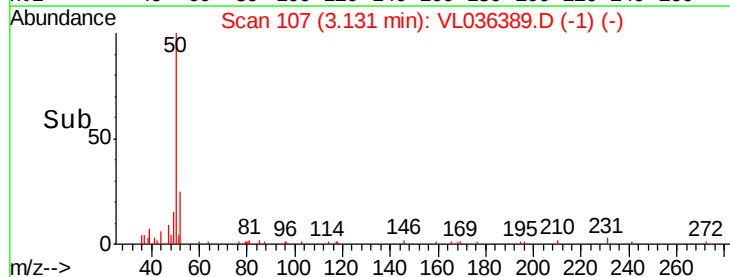
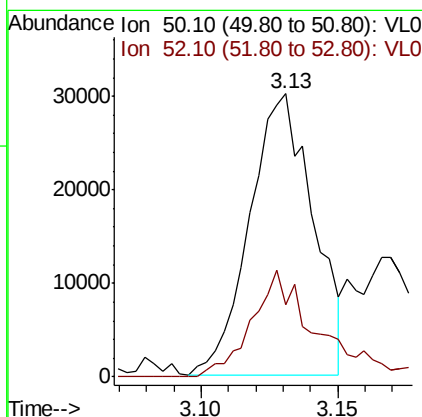
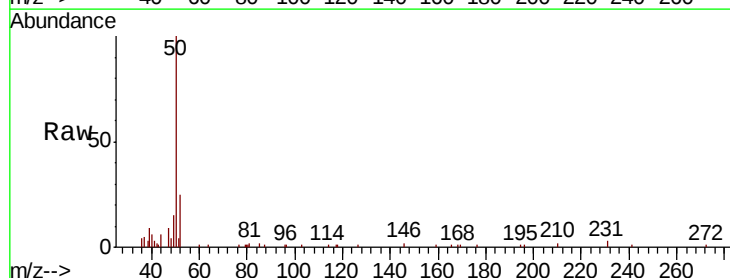
Manual Integrations
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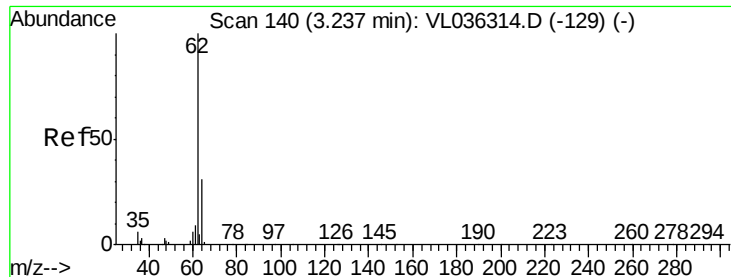
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#4
Chloromethane
Concen: 0.543 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
50	100		
52	25.7	27.0	40.4





#5

Vinyl Chloride

Concen: 0.547 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 62 Resp: 45604

Ion Ratio Lower Upper

62 100

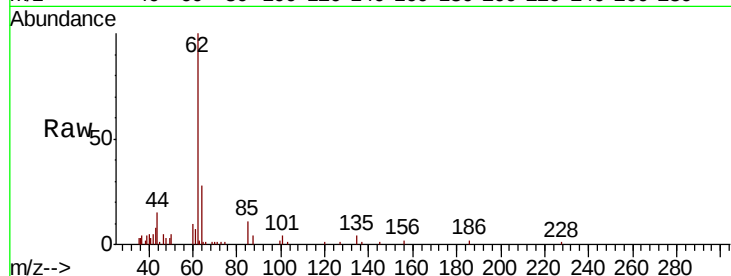
64 27.4 24.4 36.6

Manual Integrations

APPROVED

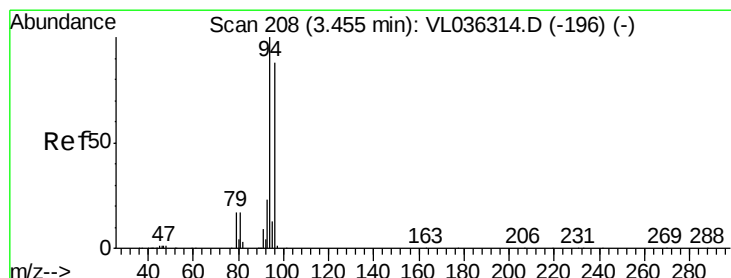
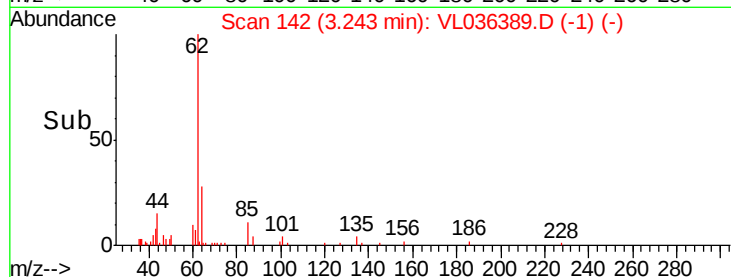
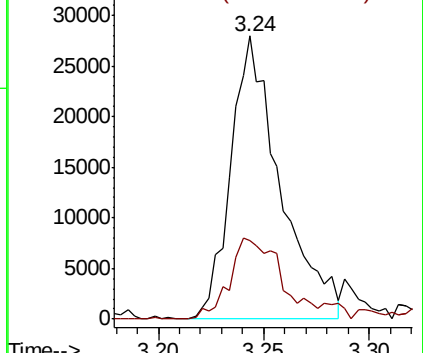
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.599 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL036389.D

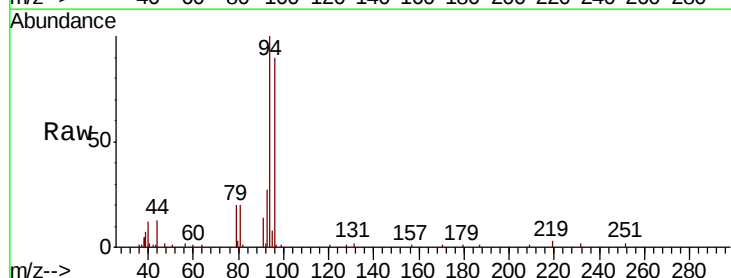
Acq: 25 Feb 2021 20:06

Tgt Ion: 94 Resp: 29694

Ion Ratio Lower Upper

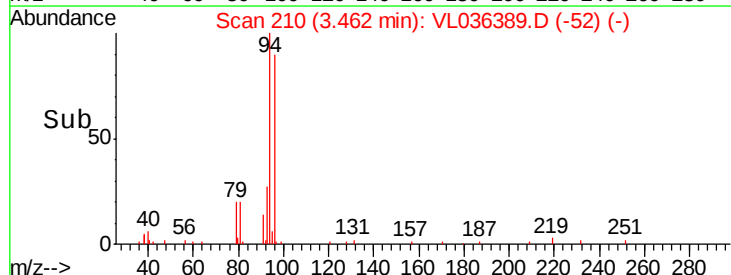
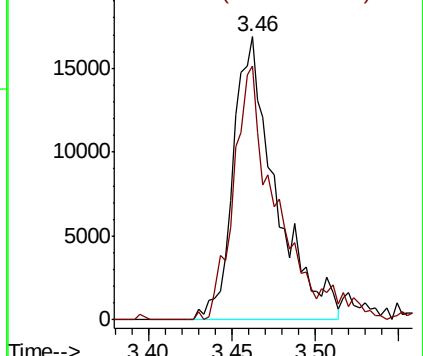
94 100

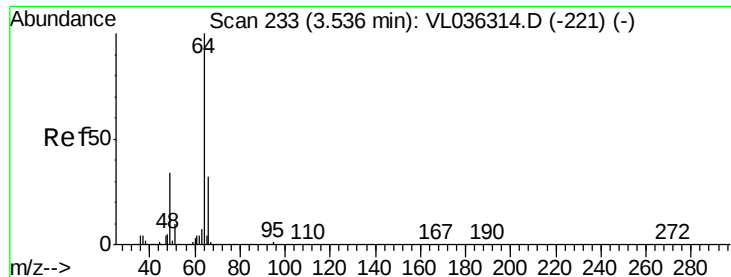
96 89.9 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.622 ppbv m

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

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LOD-MDL-AIR-01-QT1-2021

Tot Ion: 64 Resp: 18429

Ion Ratio Lower Upper

64 100

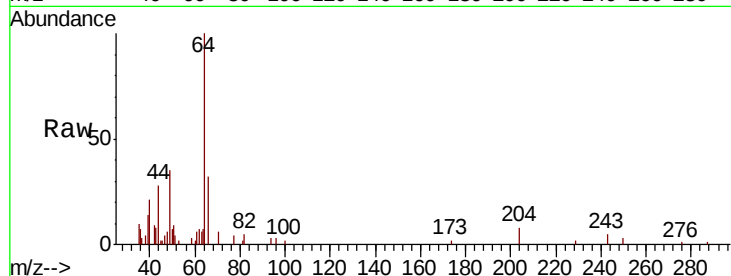
66 32.1 25.6 38.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

12000

10000

8000

6000

4000

2000

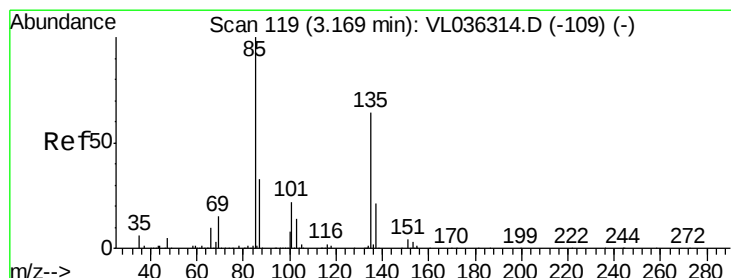
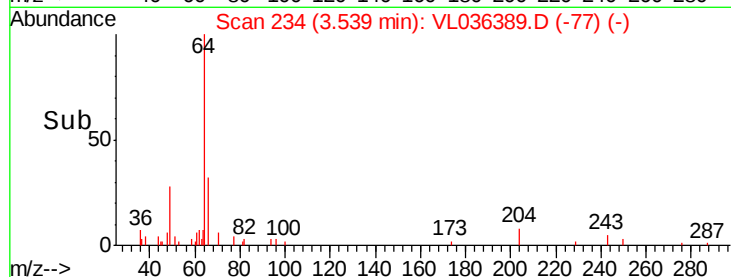
0

3.54

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.585 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036389.D

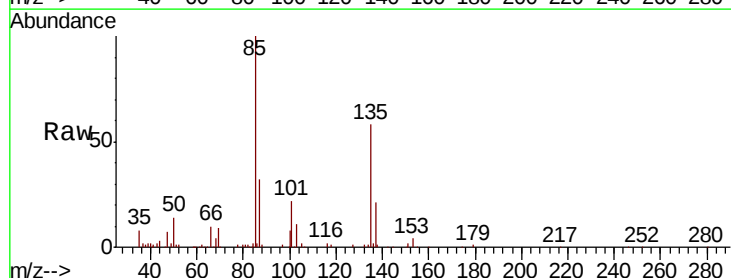
Acq: 25 Feb 2021 20:06

Tgt Ion: 85 Resp: 118582

Ion Ratio Lower Upper

85 100

135 70.5 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

80000

60000

40000

20000

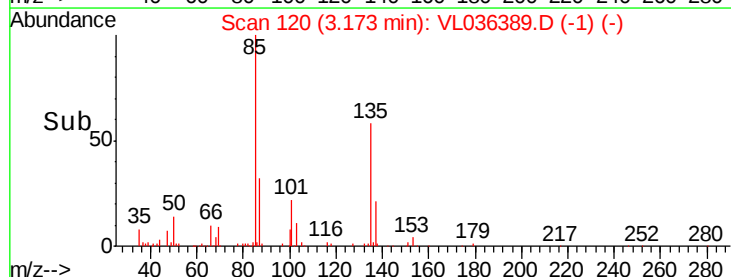
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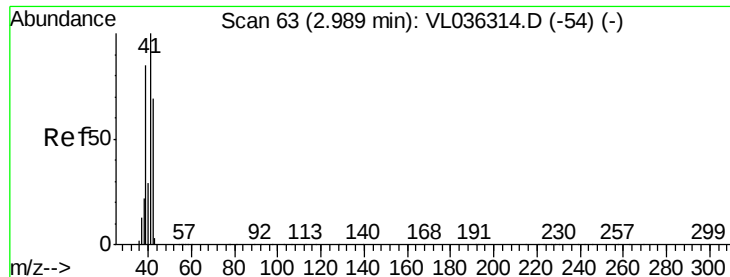
3.17

3.15

3.20

Time-->





#9

Propene

Concen: 0.649 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 41 Resp: 44893

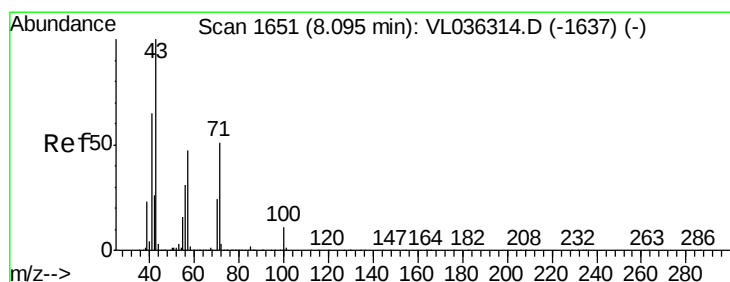
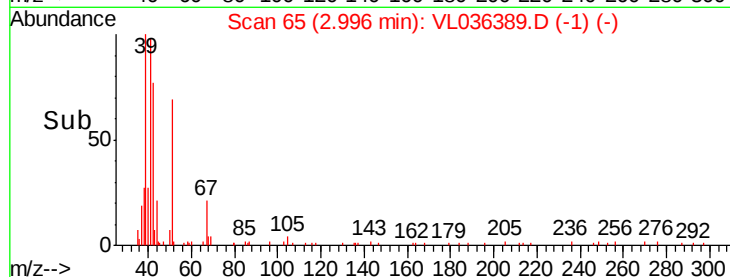
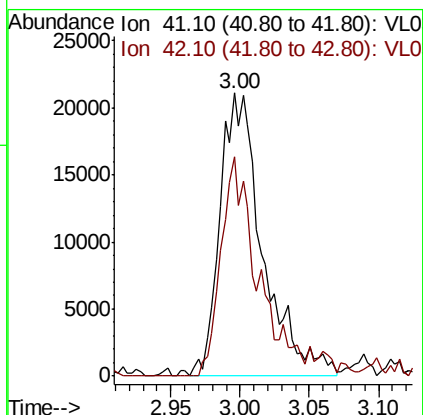
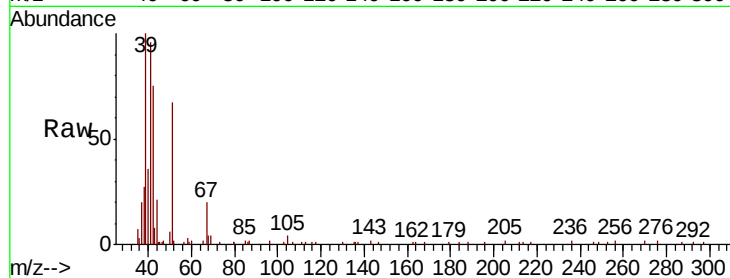
Ion Ratio Lower Upper

41 100

42 72.4 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 0.450 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036389.D

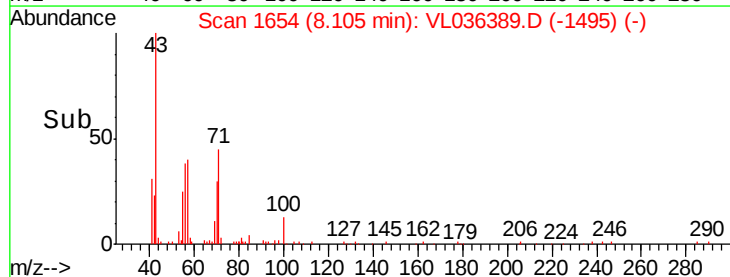
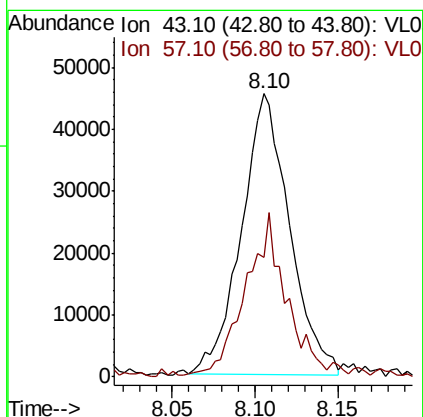
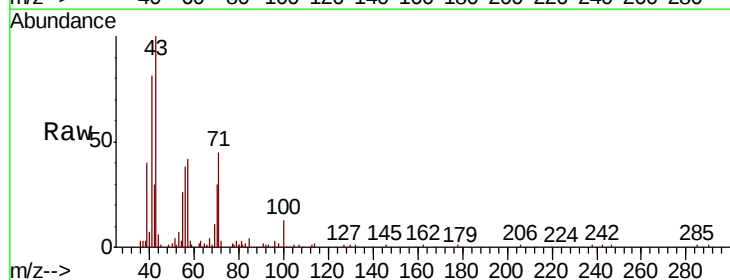
Acq: 25 Feb 2021 20:06

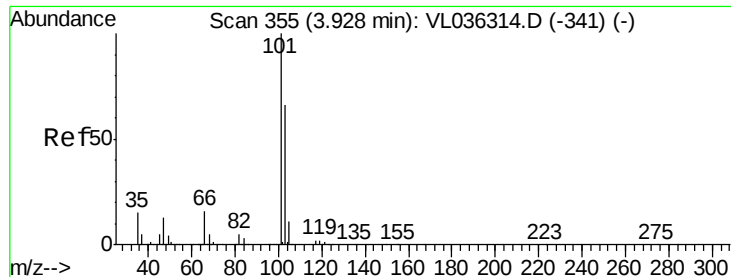
Tgt Ion: 43 Resp: 91647

Ion Ratio Lower Upper

43 100

57 50.3 39.4 59.2





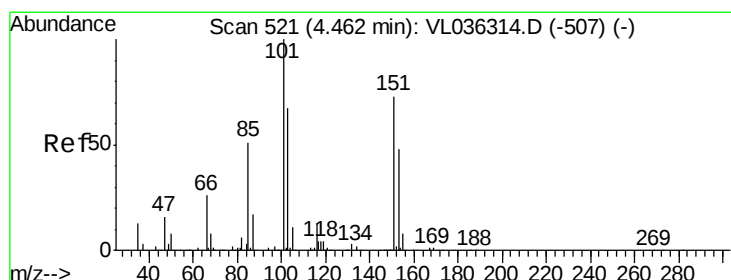
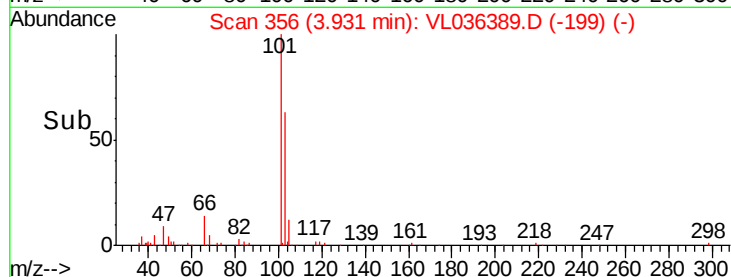
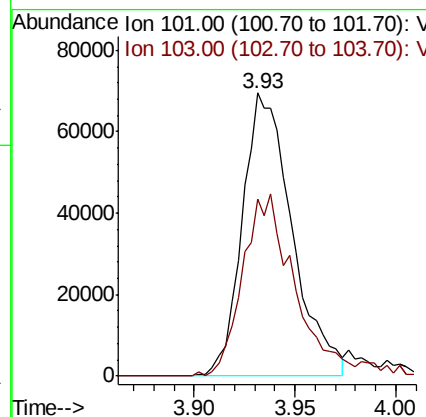
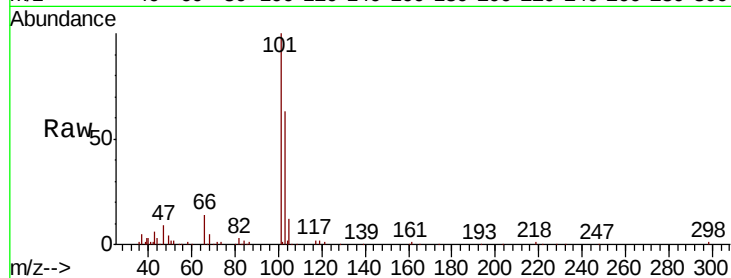
#11
 Trichlorofluoromethane
 Concen: 0.550 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.9	79.3

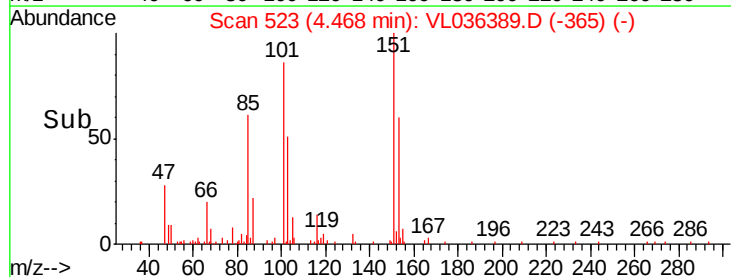
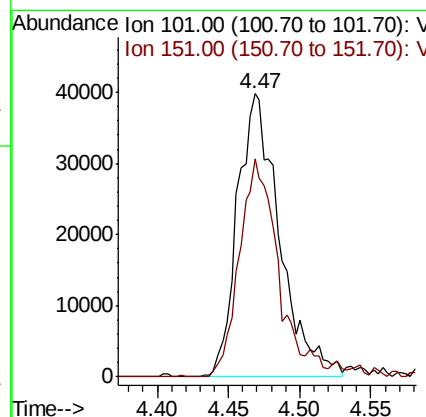
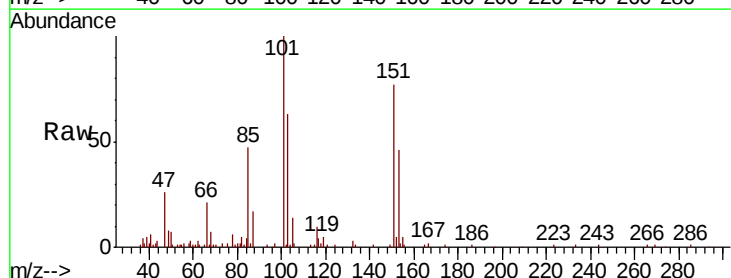
Manual Integrations
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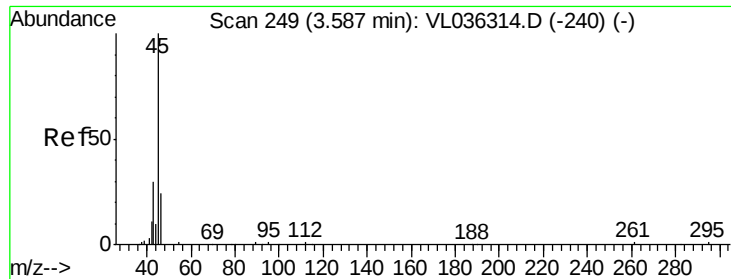
MMDadoda
 3/1/2021 10:03:07 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.605 ppbv m
 RT: 4.47 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.3	58.2	87.4





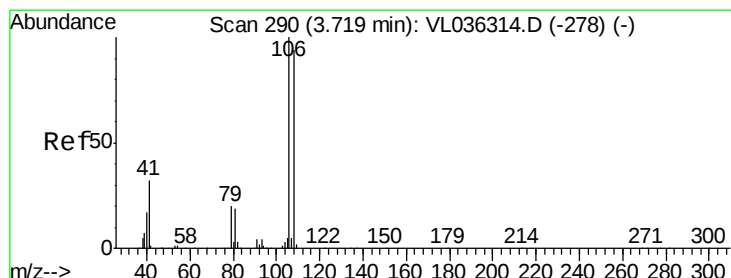
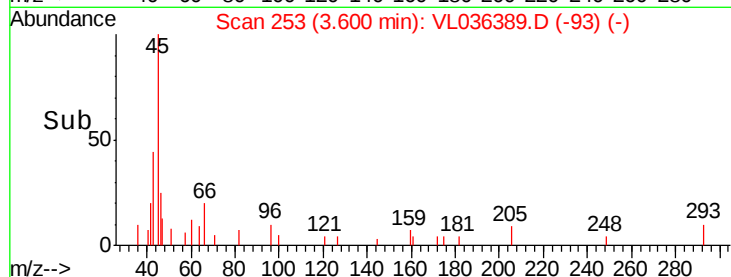
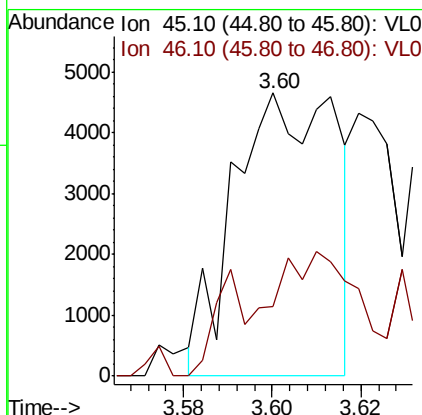
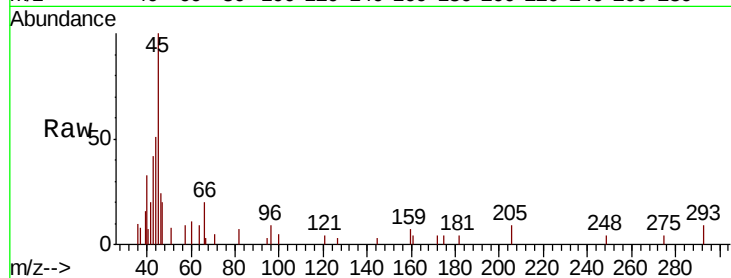
#13
Ethanol
Concen: 0.572 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion: 45 Resp: 7432
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

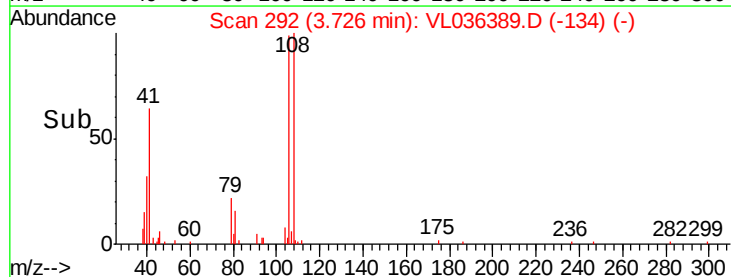
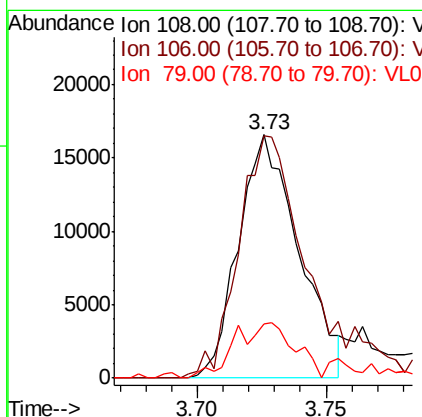
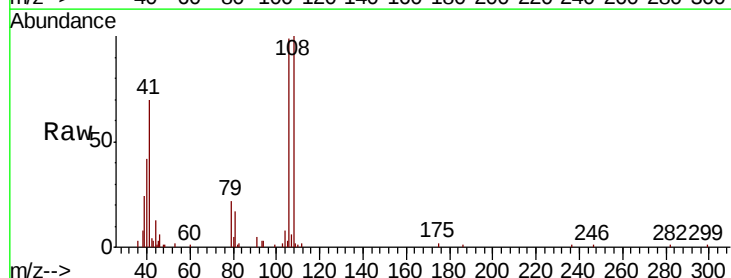
Manual Integrations
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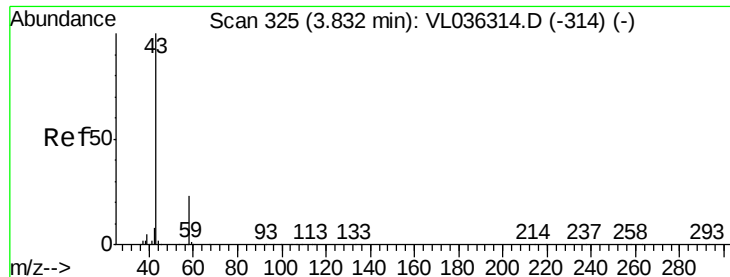
MMDadoda
3/1/2021 10:03:07 AM



#14
Bromoethene
Concen: 0.477 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion: 108 Resp: 27001
Ion Ratio Lower Upper
108 100
106 116.6 89.8 134.8
79 28.7 17.1 25.7#





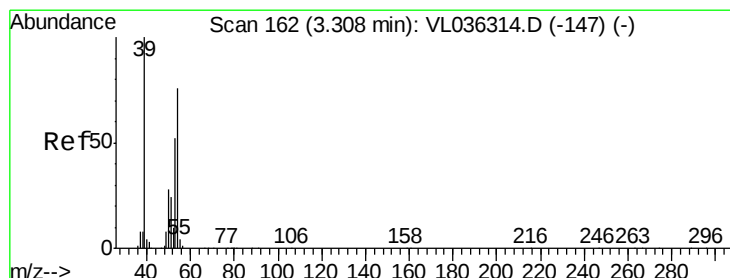
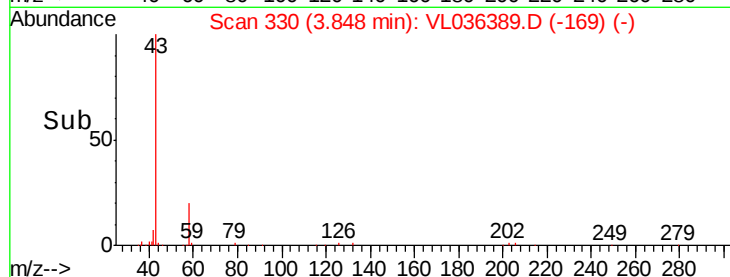
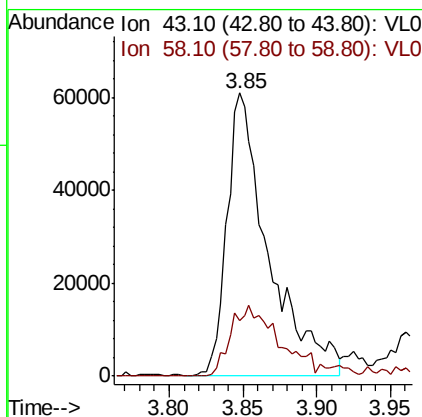
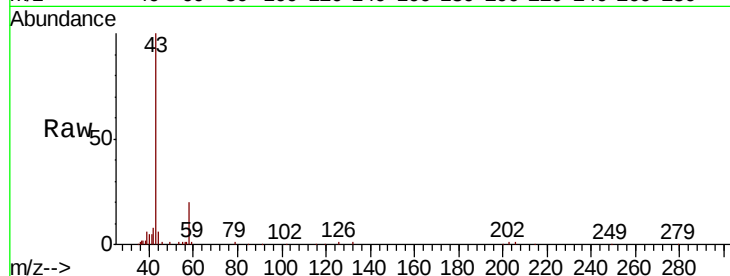
#15
Acetone
Concen: 0.660 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. 0.02 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.0	20.3	30.5#

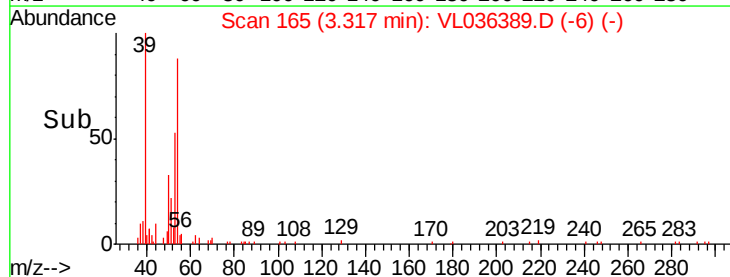
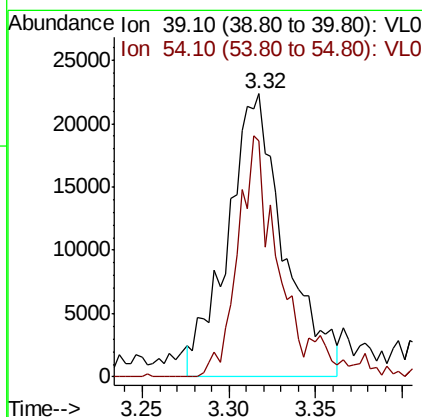
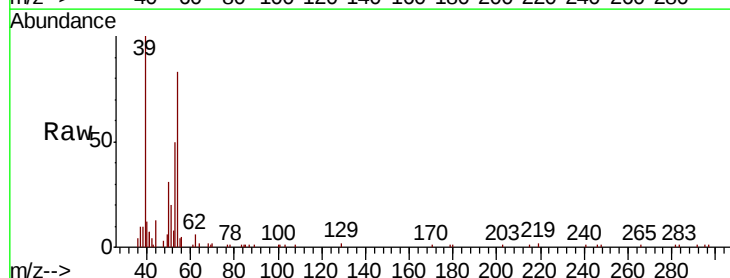
Manual Integrations
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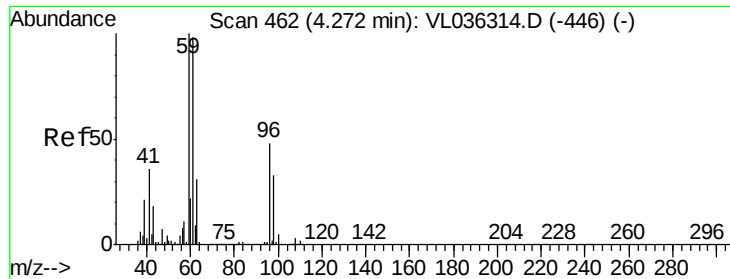
MMDadoda
3/1/2021 10:03:07 AM



#16
1,3-Butadiene
Concen: 0.584 ppbv m
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
39	100		
54	64.5	64.4	96.6





#17

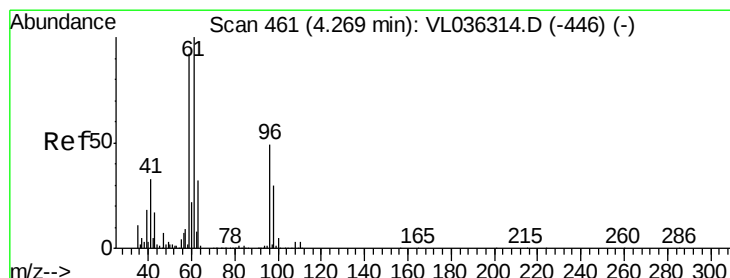
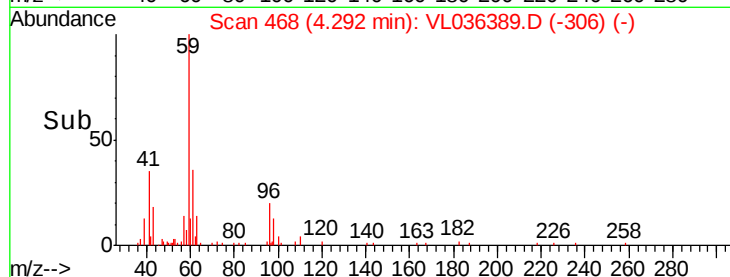
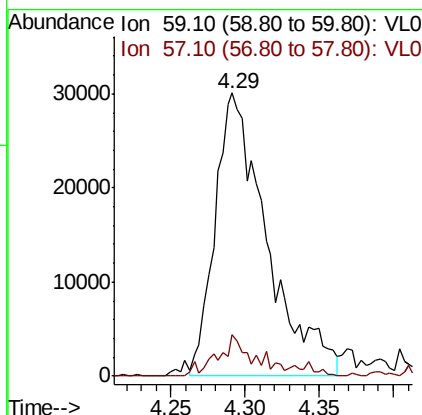
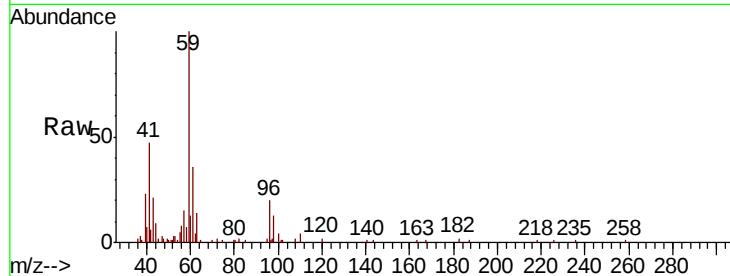
tert-Butyl alcohol
Concen: 0.518 ppbv m
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	9.0	13.4

Manual Integrations
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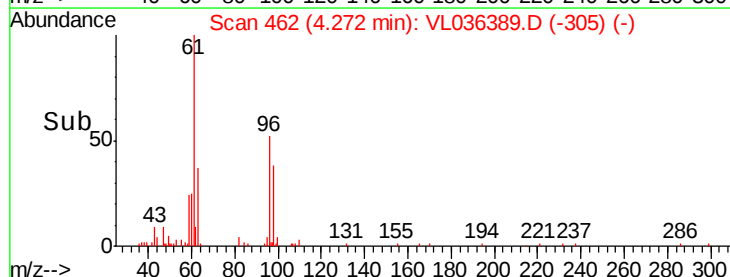
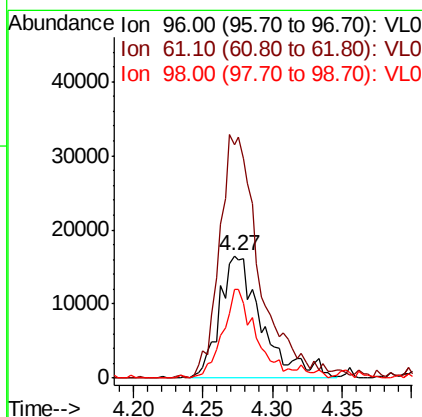
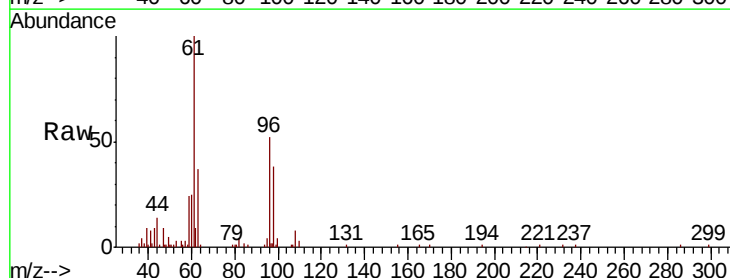
MMDadoda
3/1/2021 10:03:07 AM

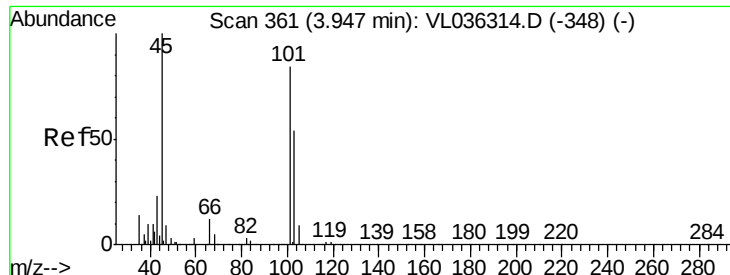


#18

1,1-Dichloroethene
Concen: 0.572 ppbv m
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.4	162.5	243.7
98	72.5	48.5	72.7





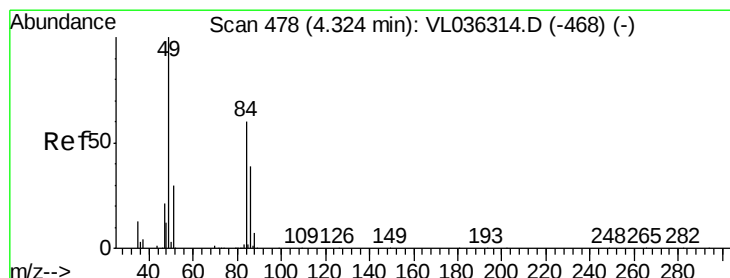
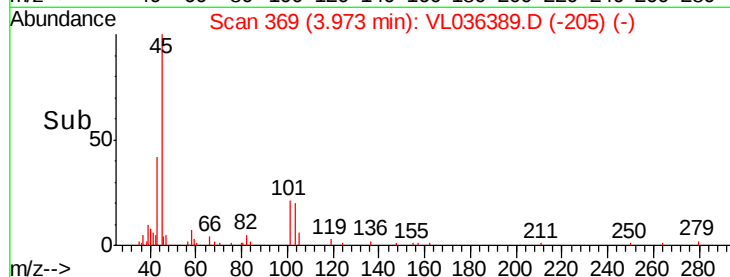
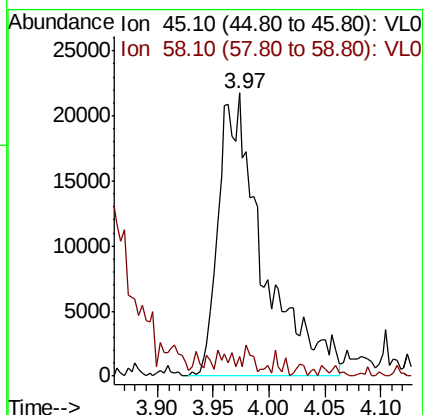
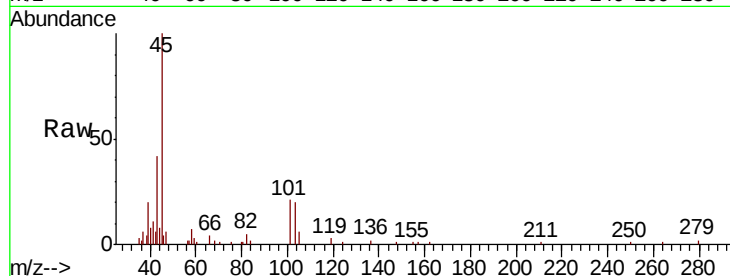
#19
Isopropyl Alcohol
Concen: 0.599 ppbv m
RT: 3.97 min Scan# 369
Delta R.T. 0.03 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

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

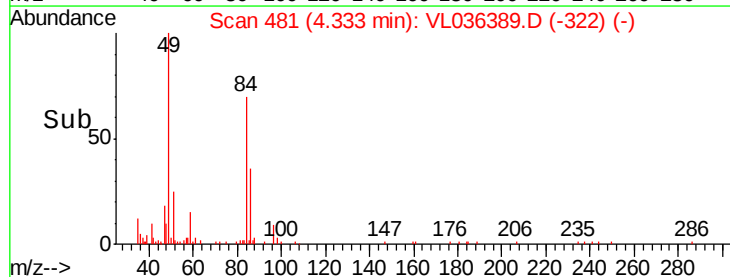
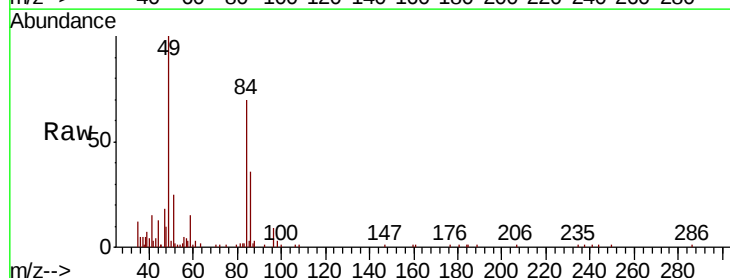
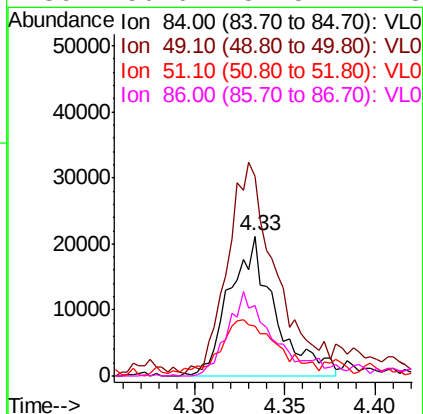
Manual Integrations
APPROVED

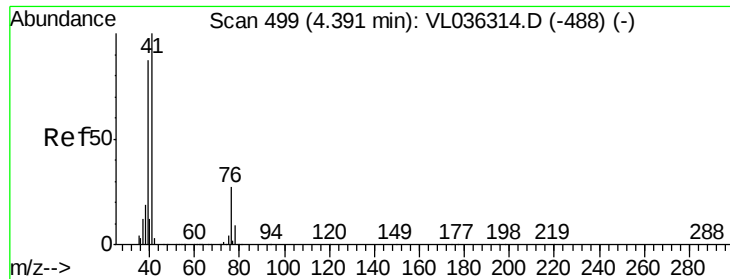
MMDadoda
3/1/2021 10:03:07 AM



#20
Methylene Chloride
Concen: 0.635 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.3	133.8	200.8
51	35.9	41.4	62.0#
86	50.6	51.5	77.3#





#21

Allvl Chloride

Concen: 0.473 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

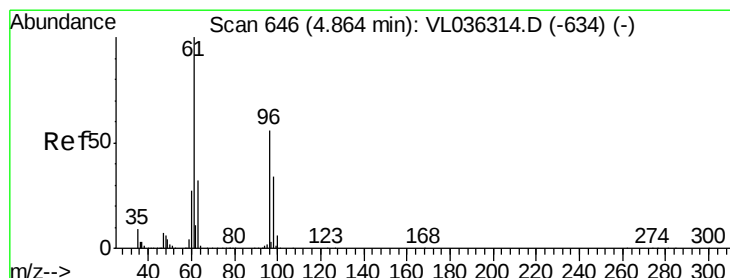
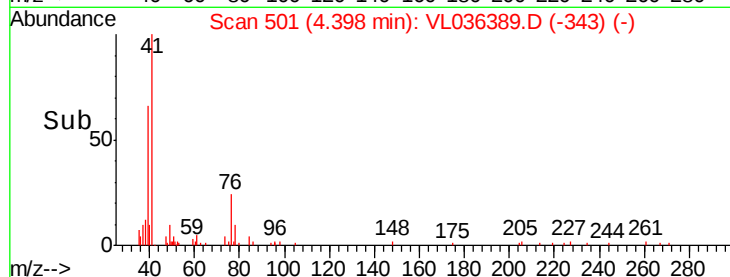
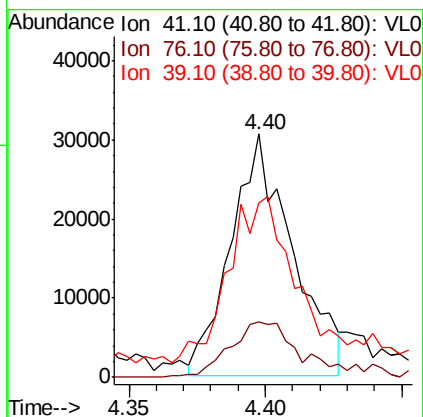
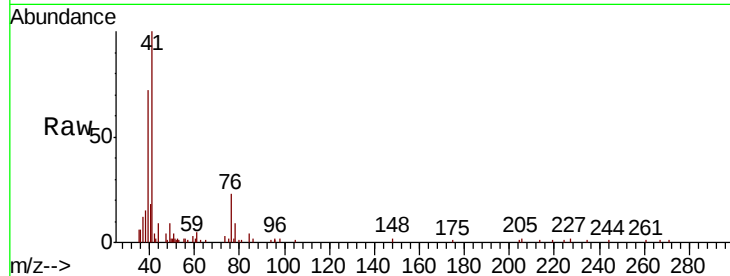
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	41	Resp:	48020
Ion Ratio	Lower	Upper	
41	100		
76	29.4	22.0	33.0
39	89.5	70.2	105.2

Manual Integrations
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MMDadoda
3/1/2021 10:03:07 AM



#22

trans-1,2-Dichloroethene

Concen: 0.514 ppbv m

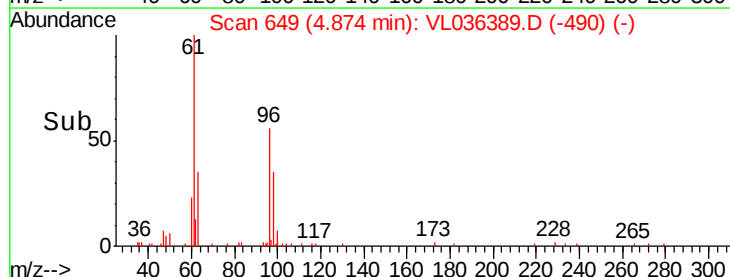
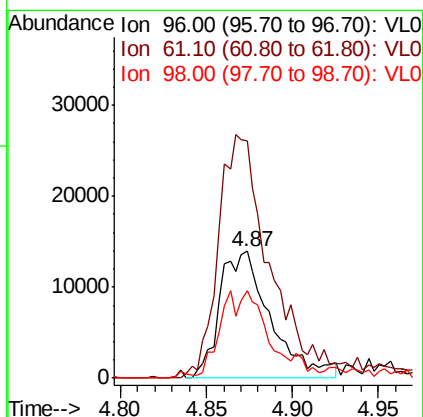
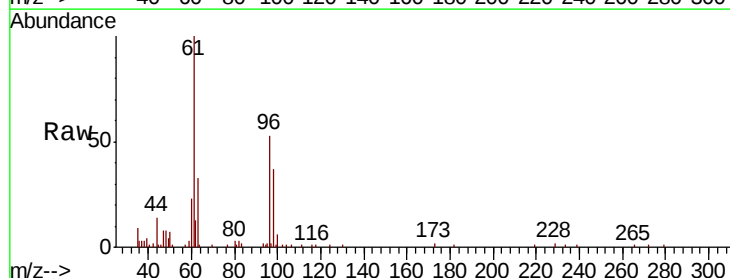
RT: 4.87 min Scan# 649

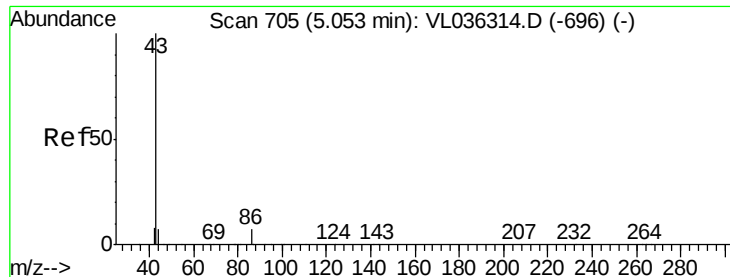
Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	96	Resp:	28694
Ion Ratio	Lower	Upper	
96	100		
61	187.5	143.7	215.5
98	69.3	48.5	72.7





#23

Vinyl Acetate

Concen: 0.505 ppbv m

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

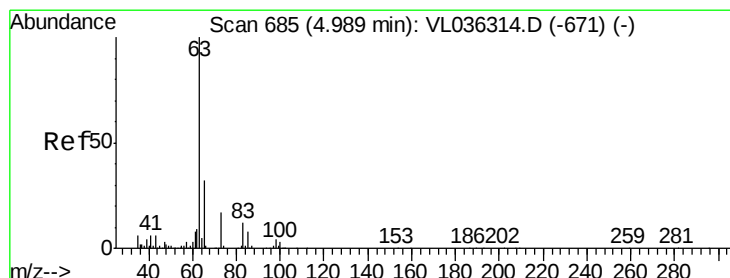
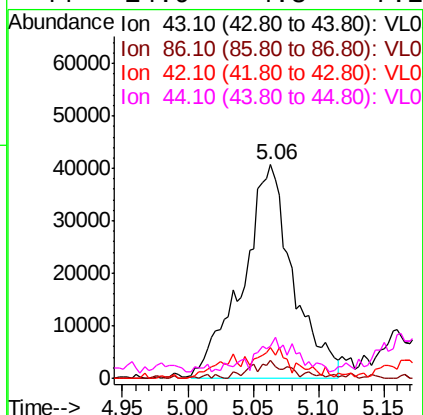
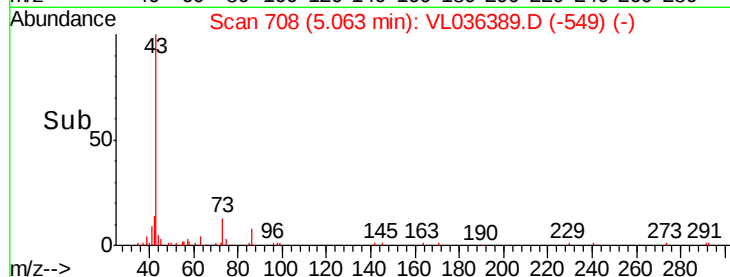
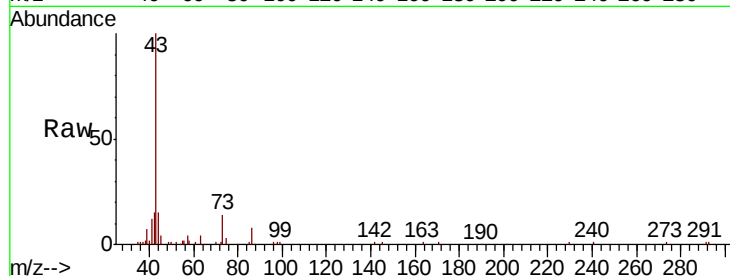
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.5	4.8	7.2#
42	14.6	7.4	11.0#
44	14.9	4.8	7.2#

Manual Integrations
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3/1/2021 10:03:07 AM



#24

1,1-Dichloroethane

Concen: 0.561 ppbv m

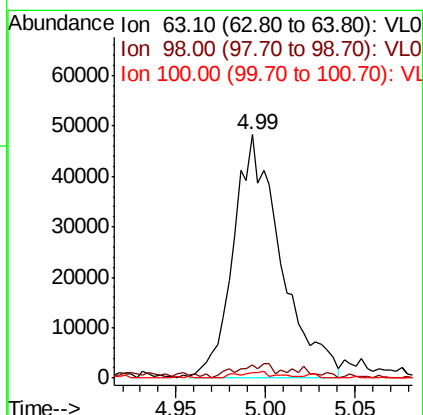
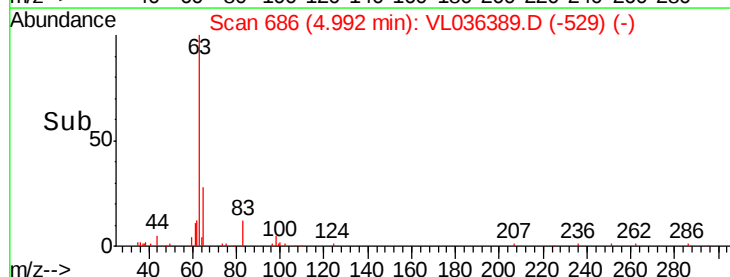
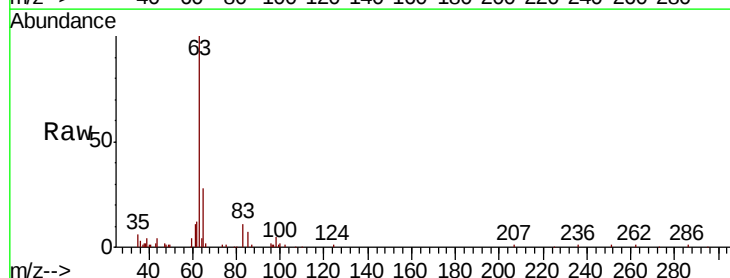
RT: 4.99 min Scan# 686

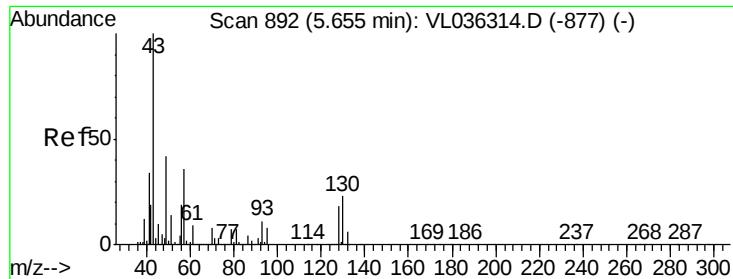
Delta R.T. 0.00 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.0	6.0
100	2.2	1.5	4.4





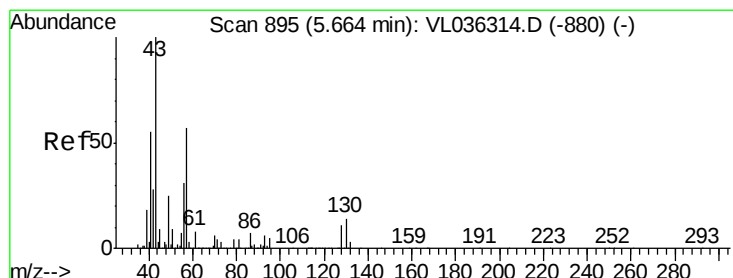
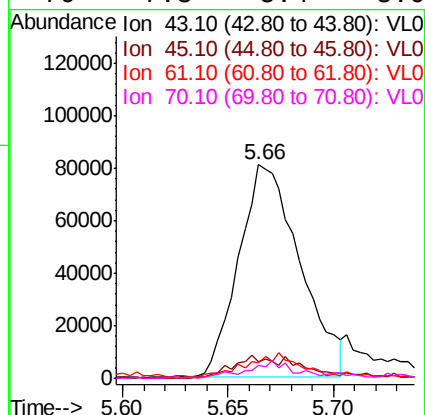
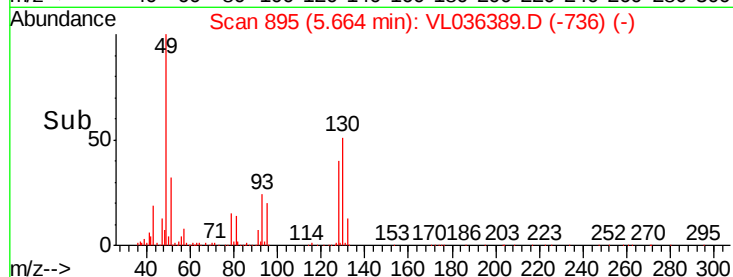
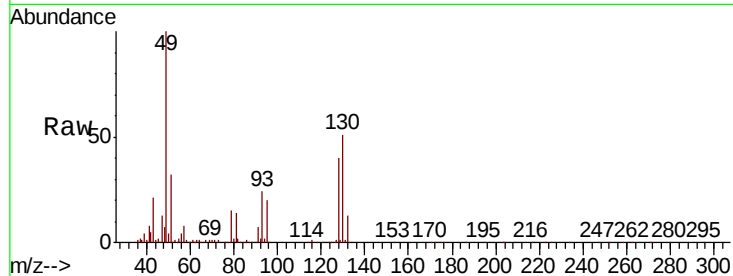
#25
Ethyl Acetate
Concen: 0.463 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	12.5	8.3	12.5#	
61	12.2	7.3	10.9#	
70	7.3	5.4	8.0	

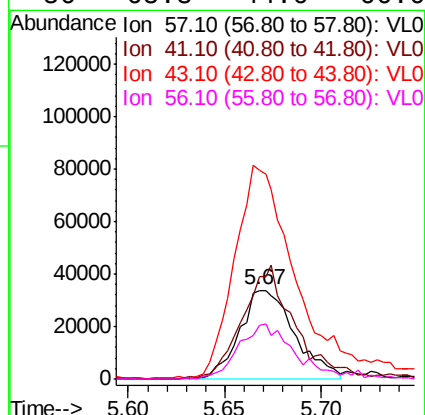
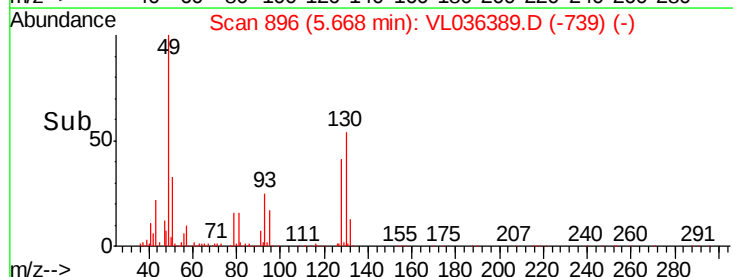
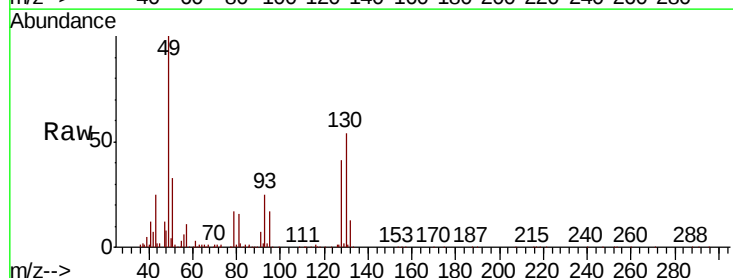
Manual Integrations
APPROVED

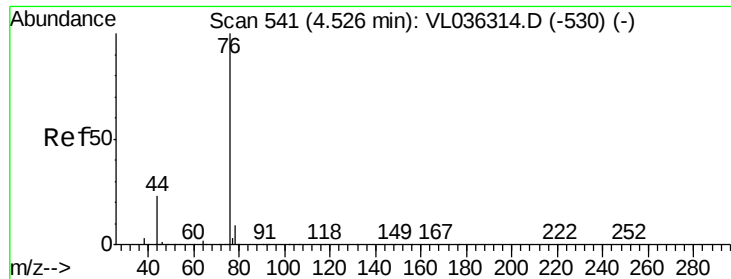
MMDadoda
3/1/2021 10:03:07 AM



#26
Hexane
Concen: 0.461 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	127.6	81.7	122.5#	
43	290.0	199.1	298.7	
56	65.8	44.0	66.0	





#27

Carbon Disulfide

Concen: 0.494 ppbv m

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

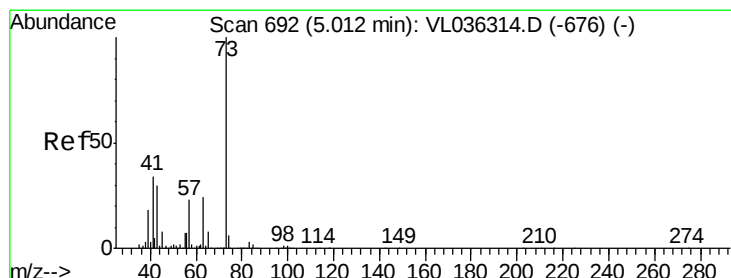
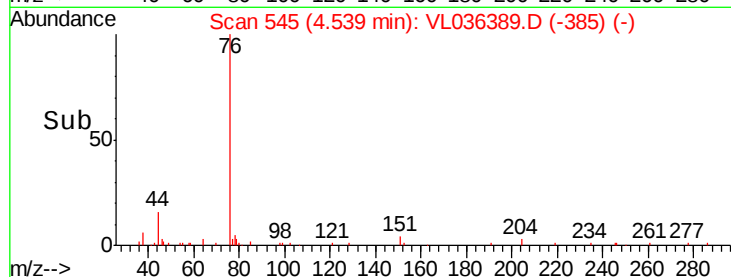
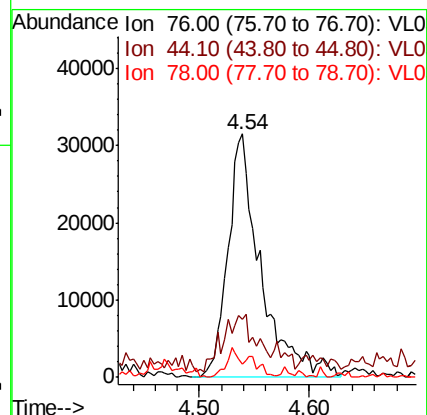
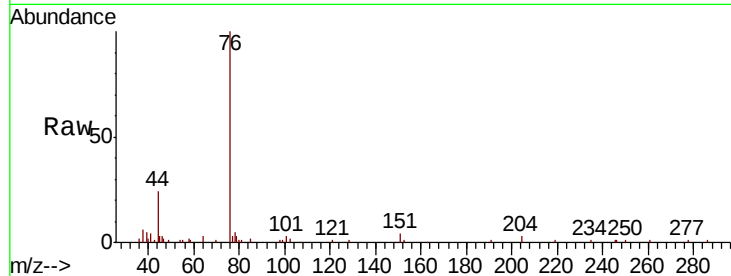
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	76	Resp:	65722
Ion	Ratio	Lower	Upper
76	100		
44	25.9	18.4	27.6
78	10.1	8.0	12.0

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#28

Methyl tert-Butyl Ether

Concen: 0.456 ppbv m

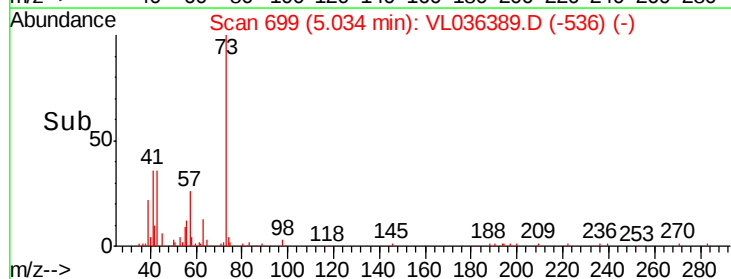
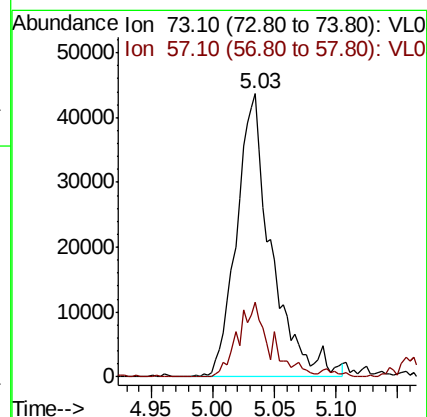
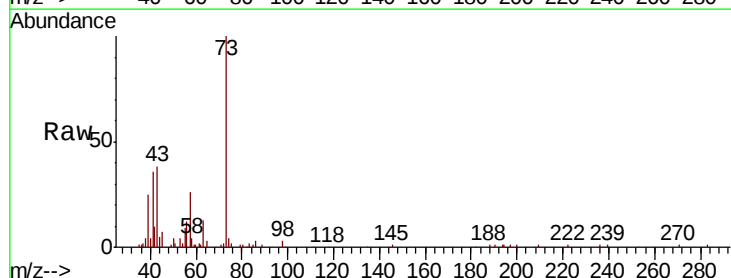
RT: 5.03 min Scan# 699

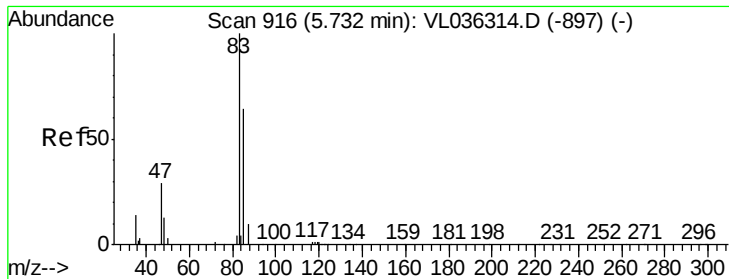
Delta R.T. 0.02 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	73	Resp:	86163
Ion	Ratio	Lower	Upper
73	100		
57	25.7	19.2	28.8





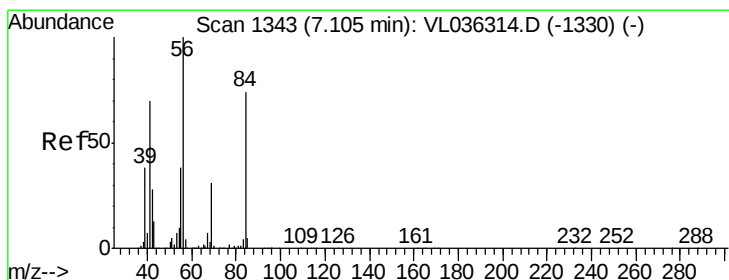
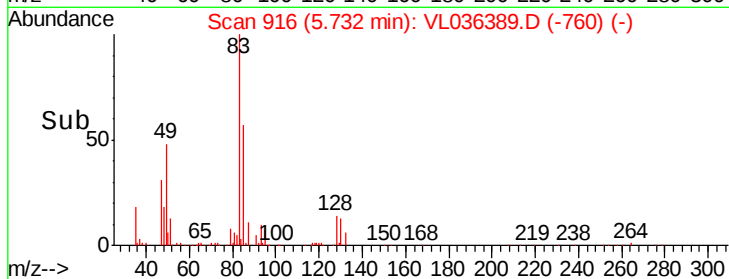
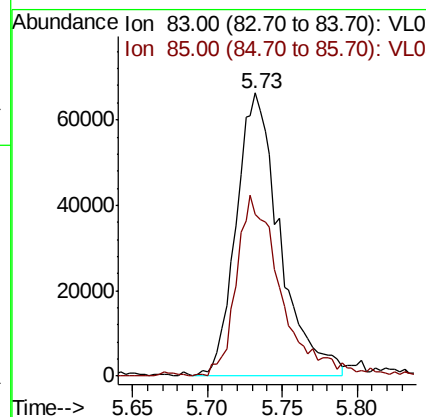
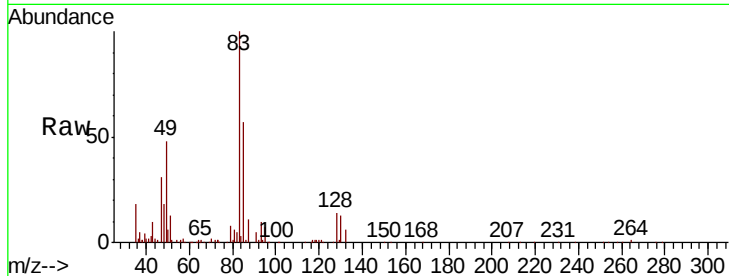
#29
Chloroform
Concen: 0.580 ppbv
RT: 5.73 min Scan# 916
Delta R.T. 0.00 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion: 83 Resp: 135241
Ion Ratio Lower Upper
83 100
85 56.8 51.4 77.2

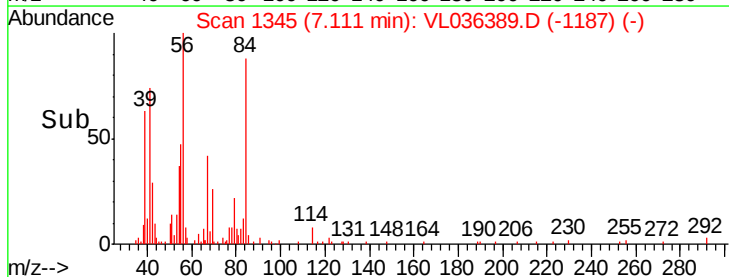
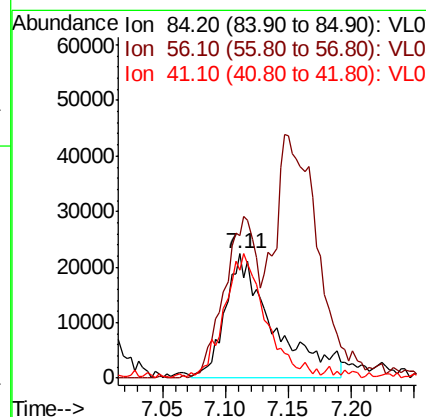
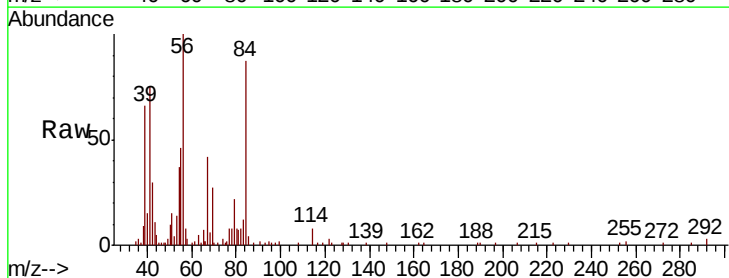
Manual Integrations
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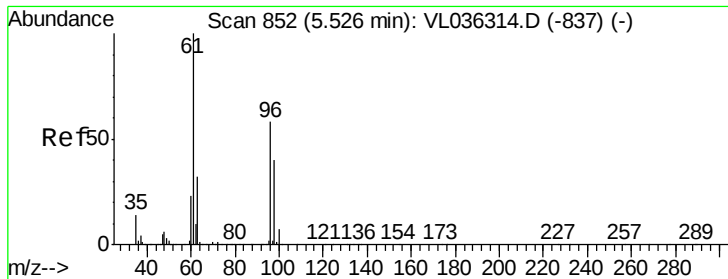
MMDadoda
3/1/2021 10:03:07 AM



#30
Cyclohexane
Concen: 0.498 ppbv m
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion: 84 Resp: 59980
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 90.2 79.7 119.5





#31

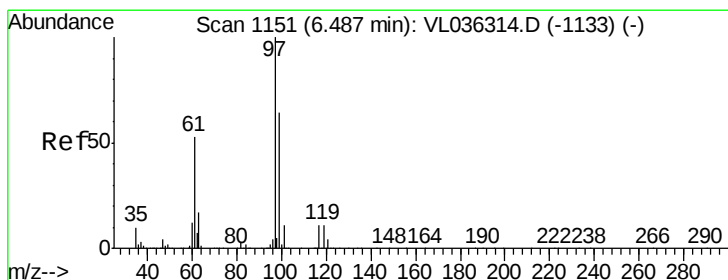
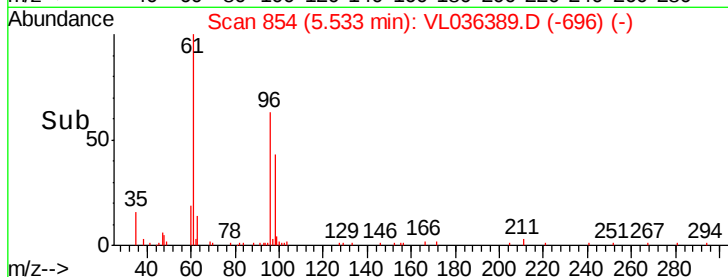
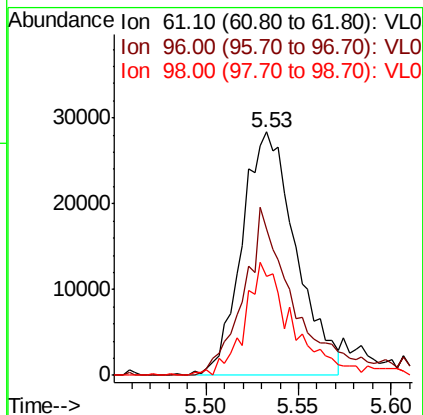
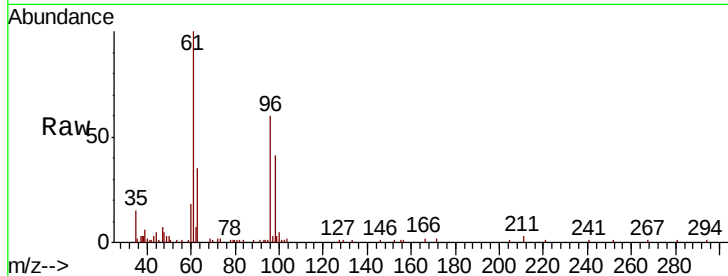
cis-1,2-Dichloroethene
Concen: 0.404 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.3	46.0	69.0
98	40.5	31.9	47.9

Manual Integrations
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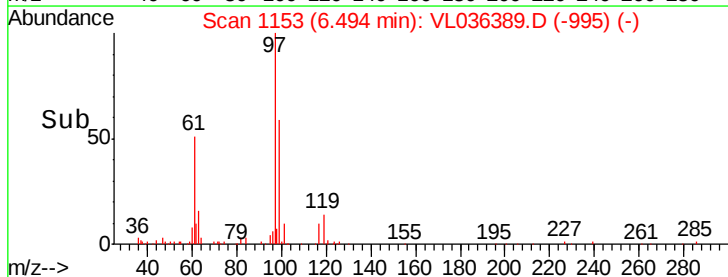
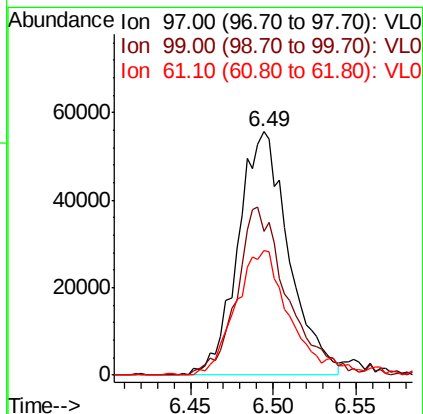
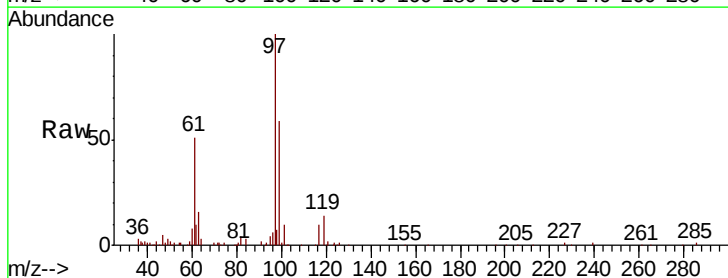
MMDadoda
3/1/2021 10:03:07 AM

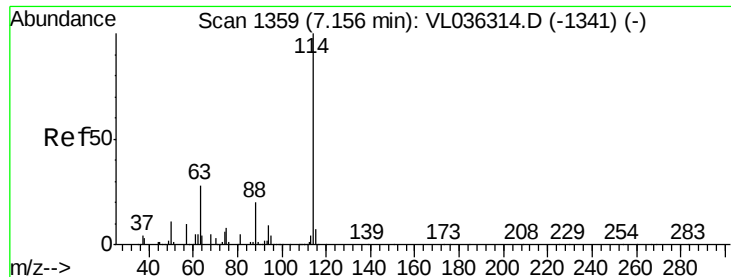


#32

1,1,1-Trichloroethane
Concen: 0.539 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	70.3	52.2	78.4
61	57.0	43.3	64.9





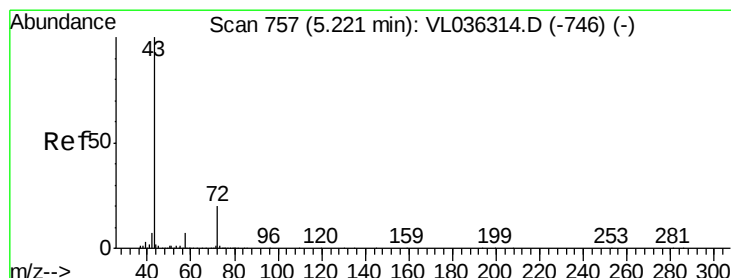
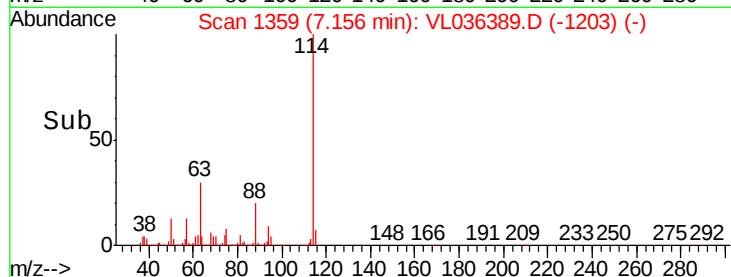
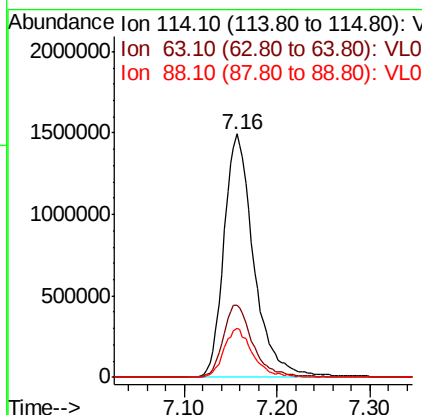
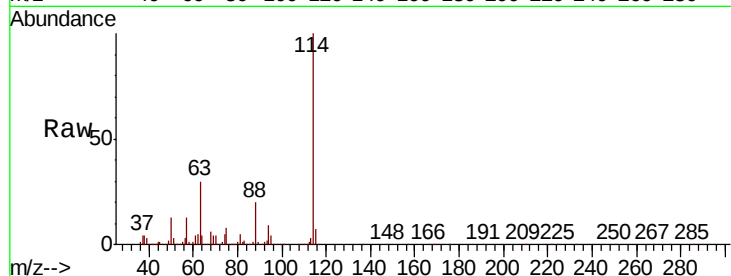
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	19.7	16.0	24.0

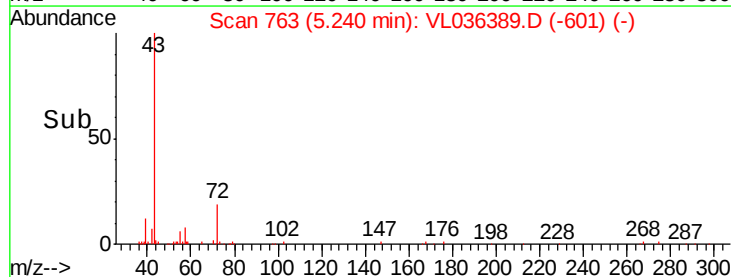
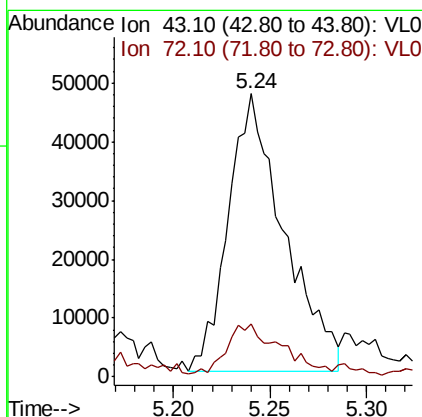
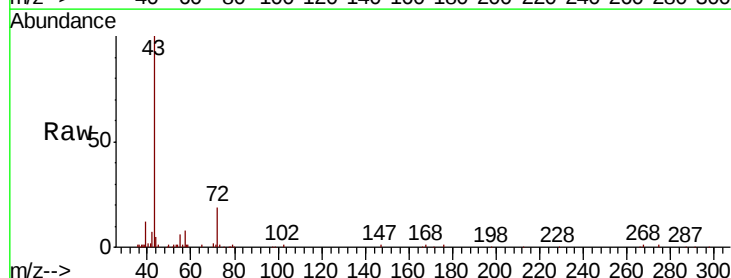
Manual Integrations
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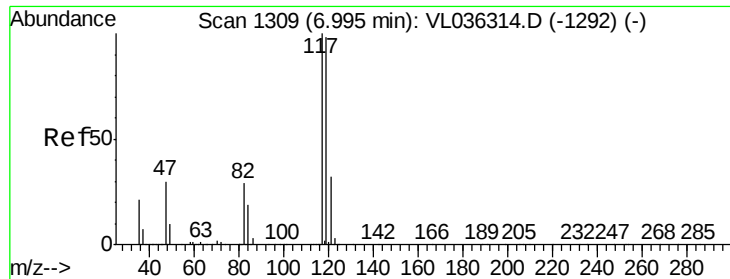
MMDadoda
 3/1/2021 10:03:07 AM



#34
 2-Butanone
 Concen: 0.429 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	16.7	25.1





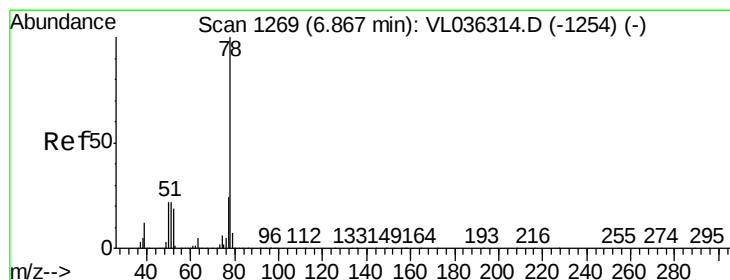
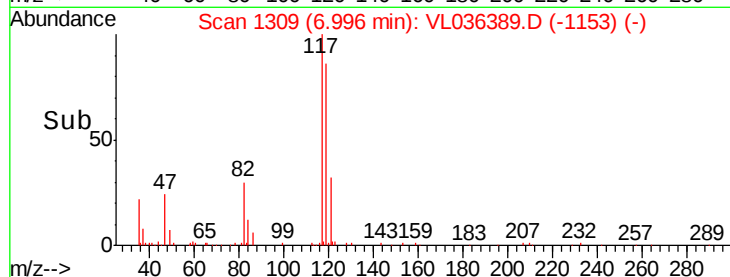
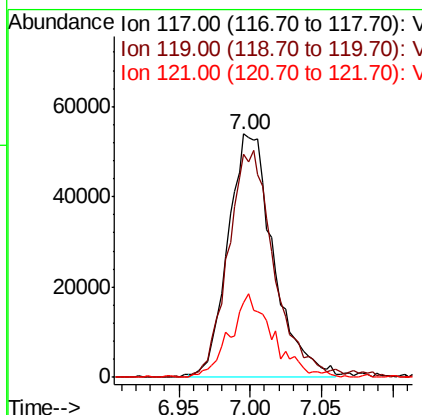
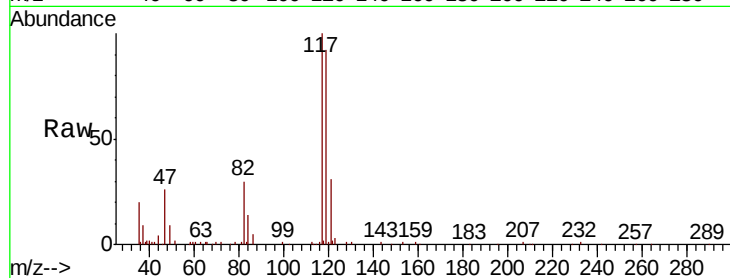
#35
Carbon Tetrachloride
Concen: 0.535 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.9	78.1	117.1
121	30.5	25.8	38.8

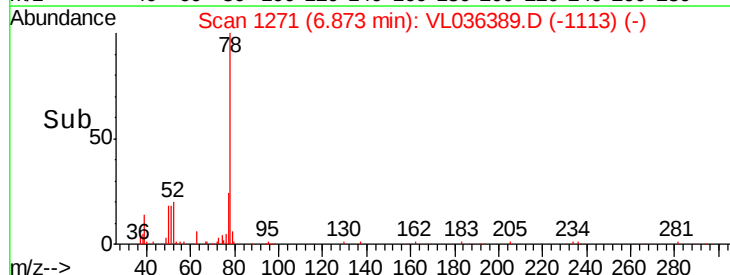
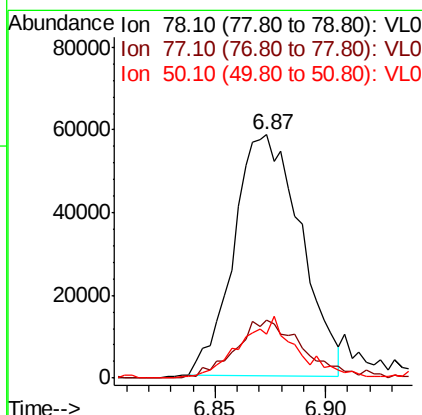
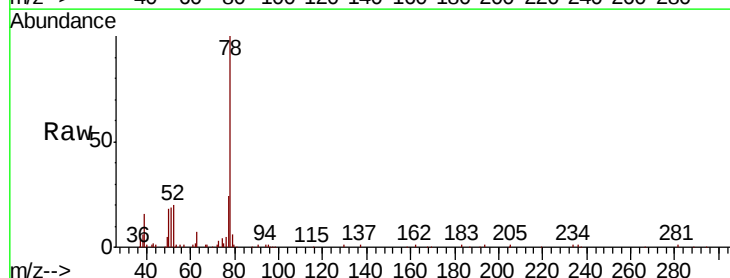
Manual Integrations
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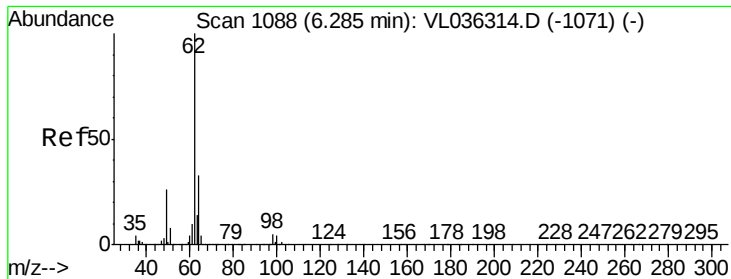
MMDadoda
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#36
Benzene
Concen: 0.432 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3
50	17.8	17.3	25.9





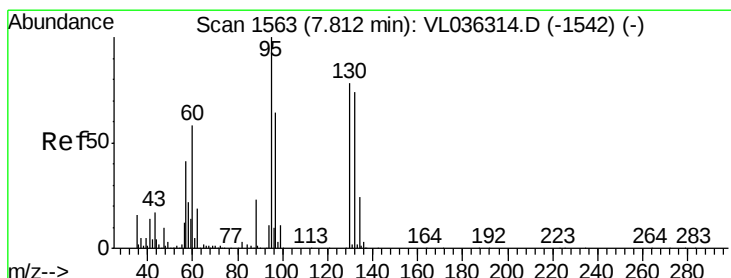
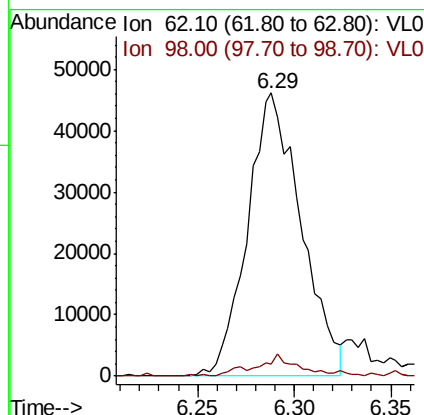
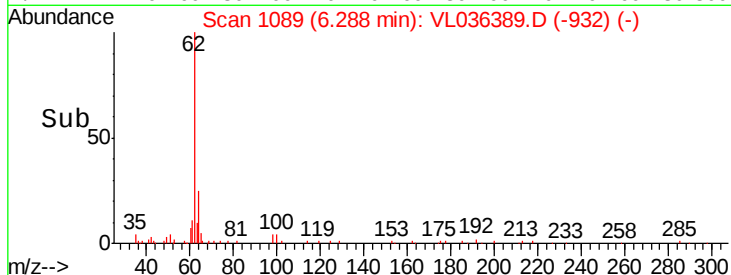
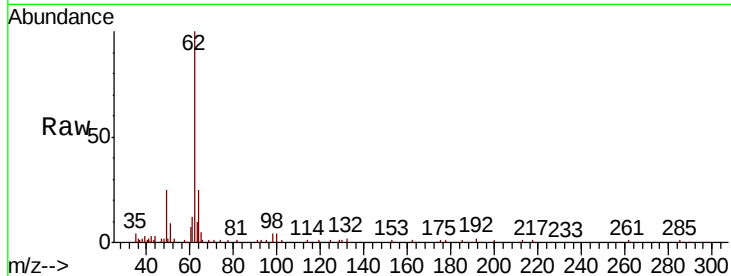
#37
 1,2-Dichloroethane
 Concen: 0.508 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.5	4.5	6.7

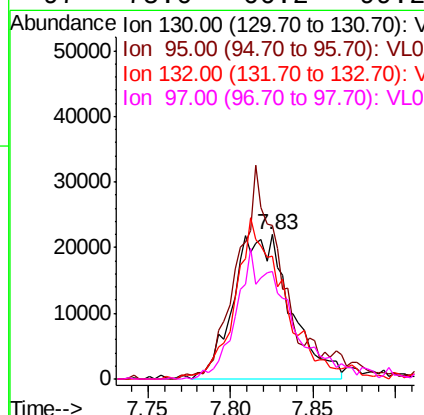
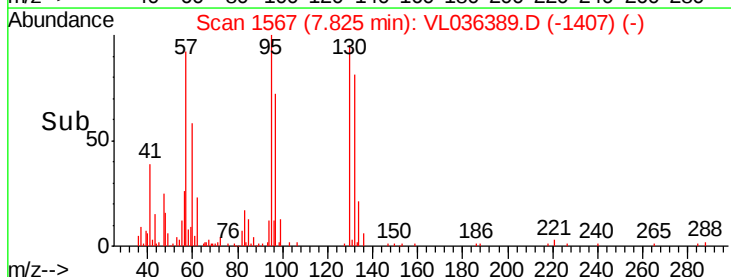
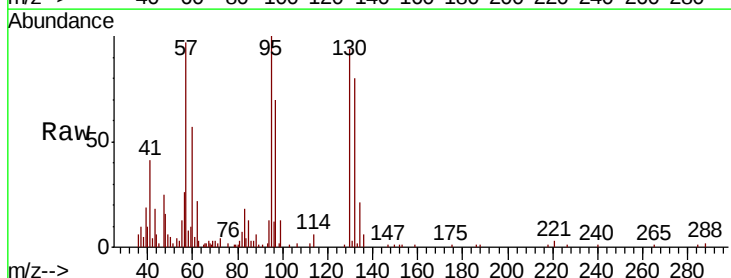
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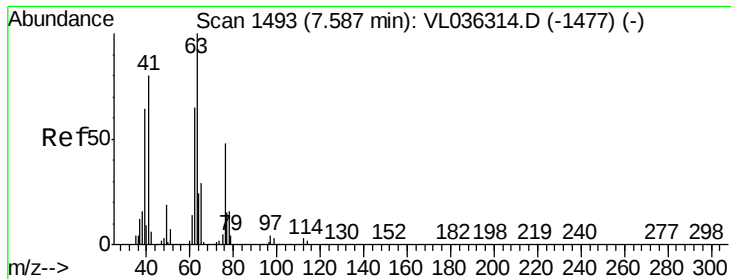
MMDadoda
 3/1/2021 10:03:07 AM



#38
 Trichloroethene
 Concen: 0.518 ppbv m
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	102.8	154.2
132	85.0	75.7	113.5
97	75.0	66.2	99.2





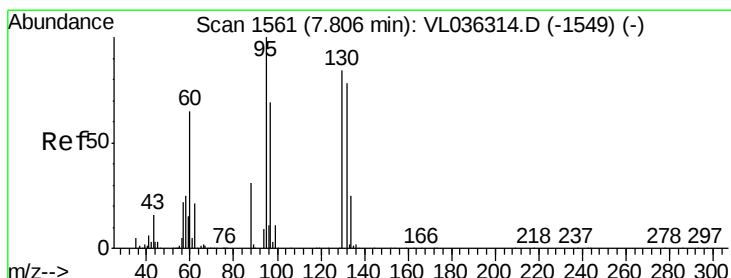
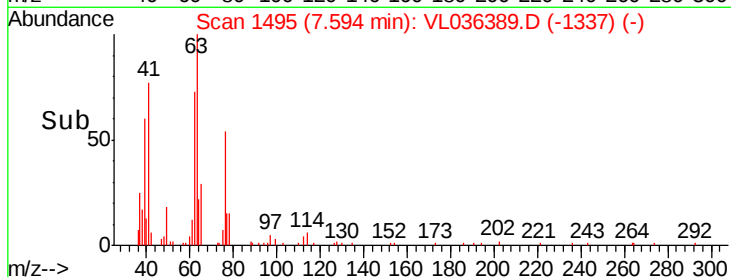
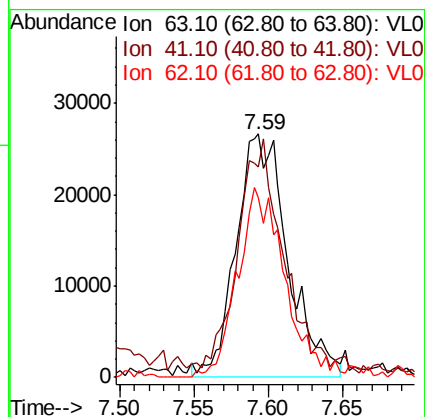
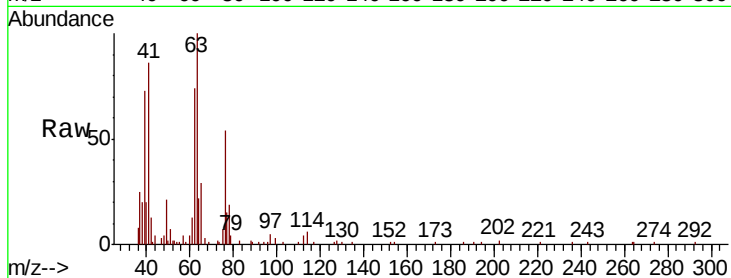
#39
 1,2-Dichloropropane
 Concen: 0.559 ppbv m
 RT: 7.59 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	86.4	63.8	95.6
62	73.7	52.3	78.5

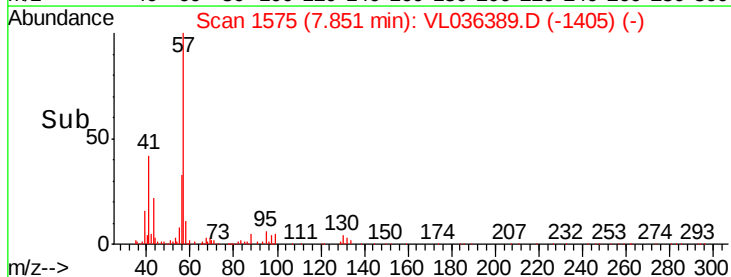
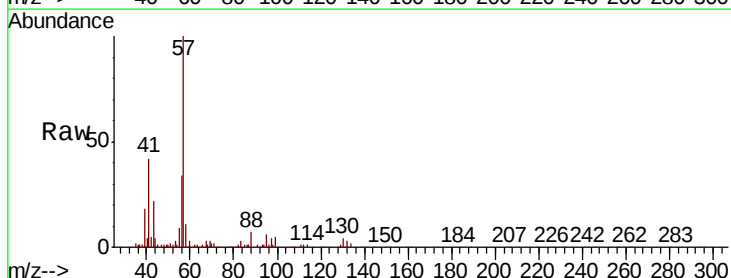
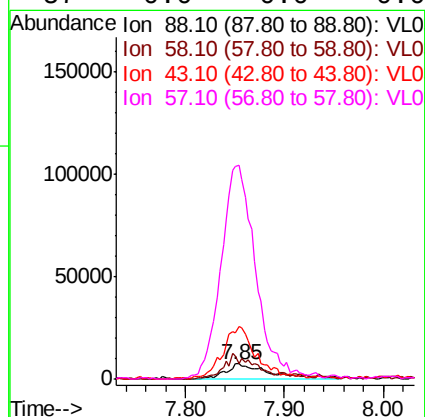
Manual Integrations
 APPROVED

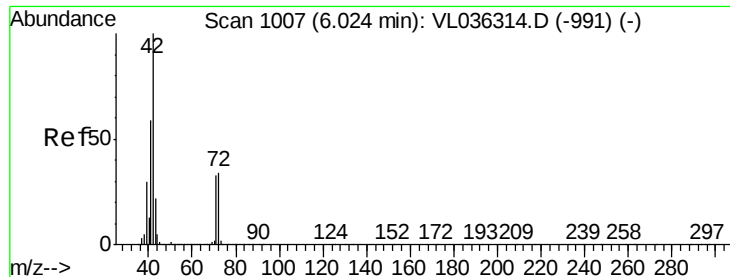
MMDadoda
 3/1/2021 10:03:07 AM



#40
 1,4-Dioxane
 Concen: 0.585 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.05 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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: 0.413 ppbv m

RT: 6.06 min Scan# 1017

Delta R.T. 0.03 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

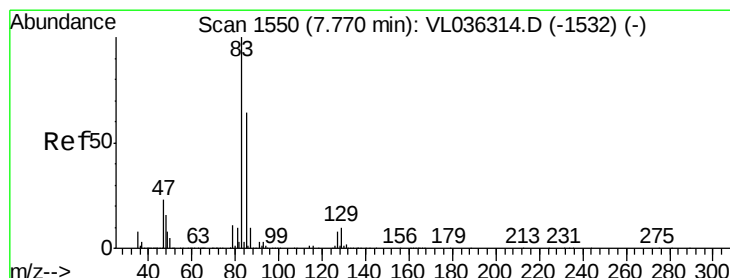
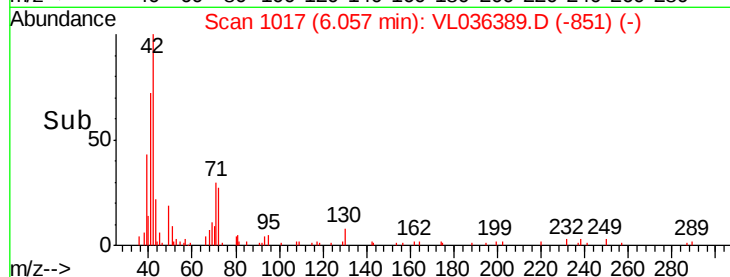
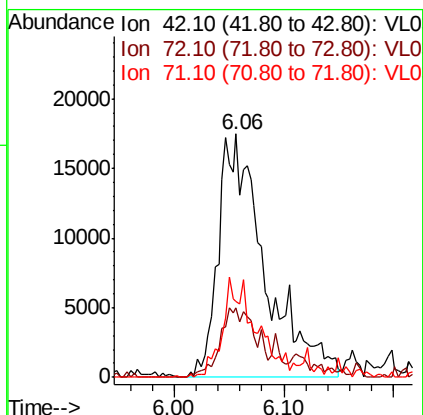
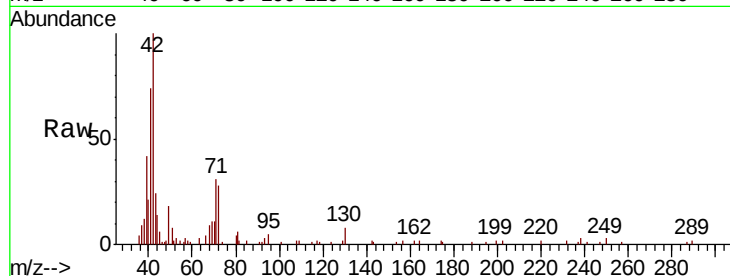
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	29.8	27.8	41.8

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:03:07 AM



#42

Bromodichloromethane

Concen: 0.509 ppbv

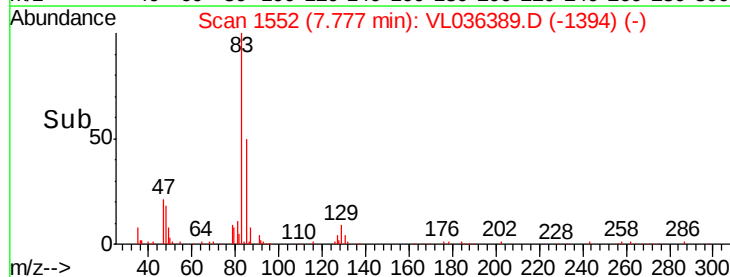
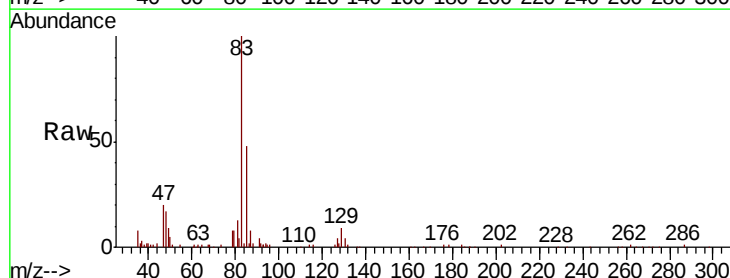
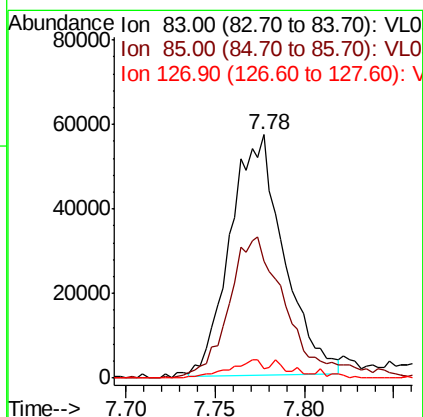
RT: 7.78 min Scan# 1552

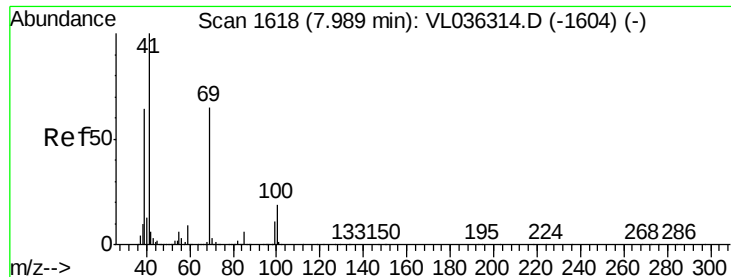
Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	46.1	51.1	76.7#
127	3.5	6.3	9.5#





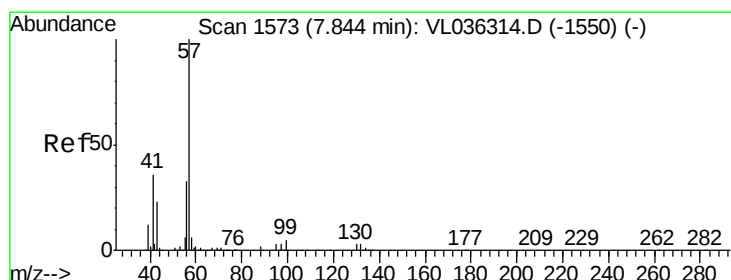
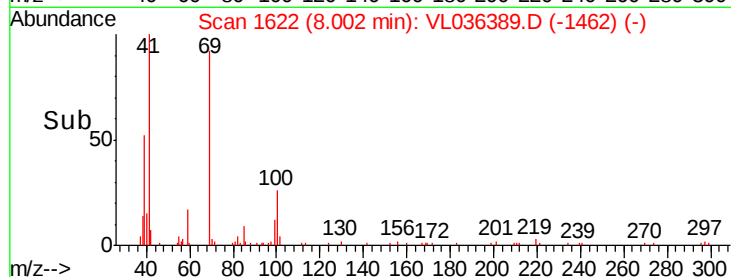
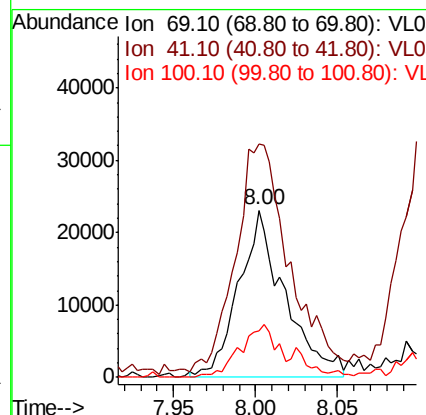
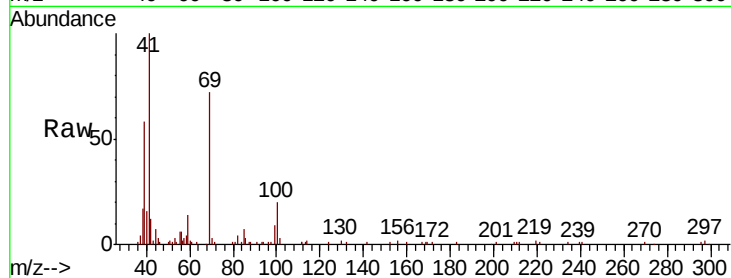
#43
Methvl Methacrilate
Concen: 0.377 ppbv m
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
69	100		
41	164.6	126.5	189.7
100	32.6	23.1	34.7

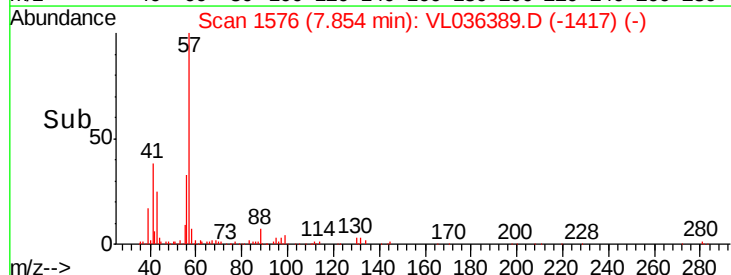
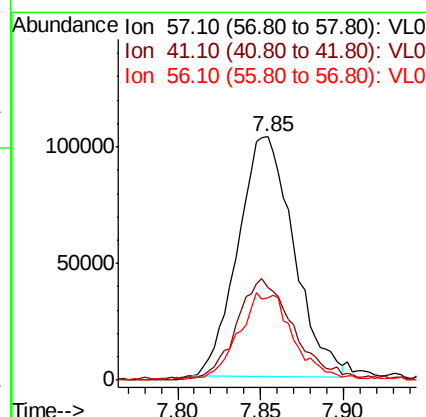
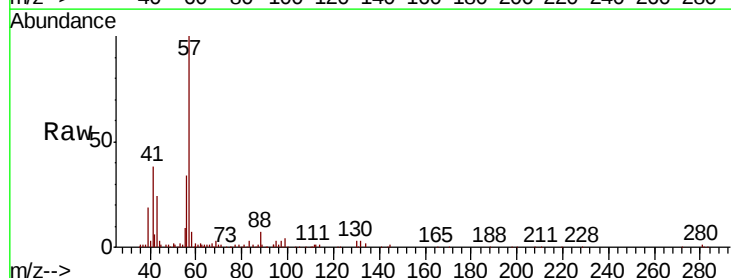
Manual Integrations
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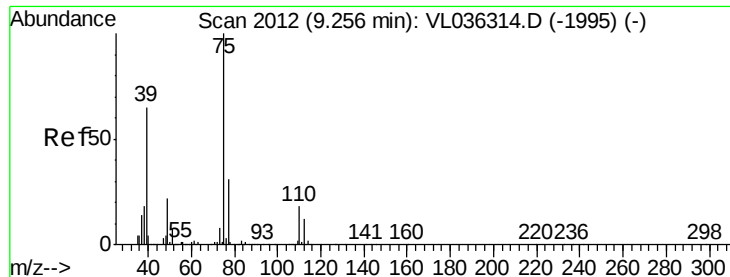
MMDadoda
3/1/2021 10:03:07 AM



#44
2,2,4-Trimethylpentane
Concen: 0.466 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
57	100		
41	43.5	28.8	43.2#
56	36.1	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.376 ppbv m

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 75 Resp: 43367

Ion Ratio Lower Upper

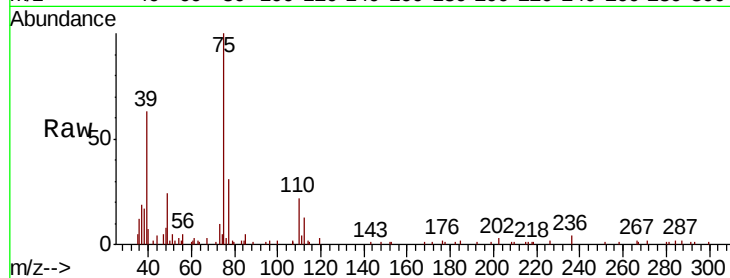
75 100

77 30.9 24.6 37.0

Manual Integrations
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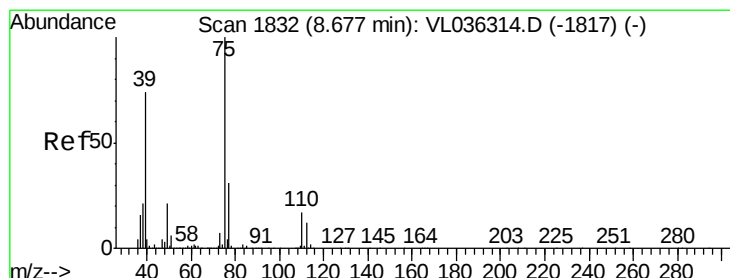
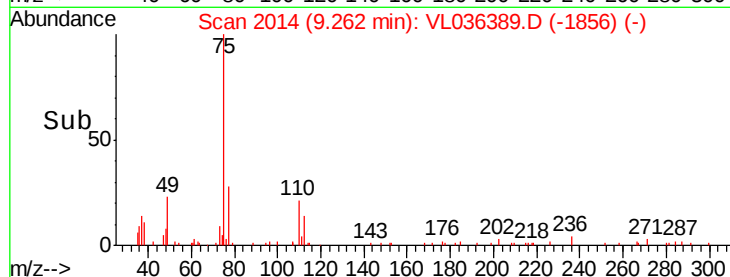
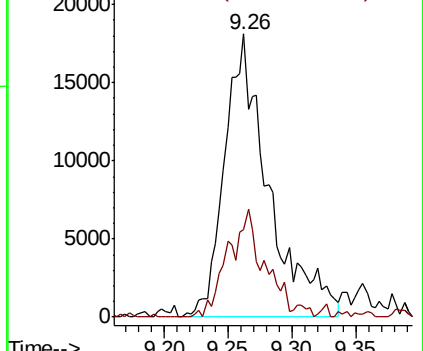
MMDadoda

3/1/2021 10:03:07 AM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.381 ppbv m

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

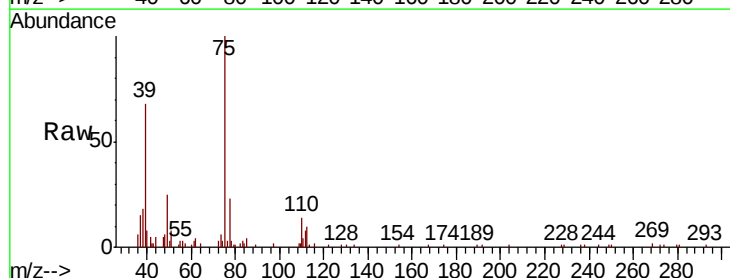
Tgt Ion: 75 Resp: 55801

Ion Ratio Lower Upper

75 100

39 68.4 59.2 88.8

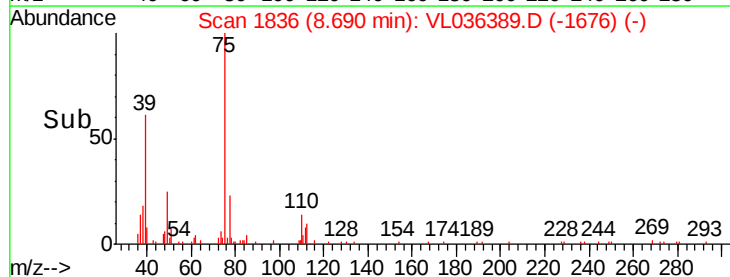
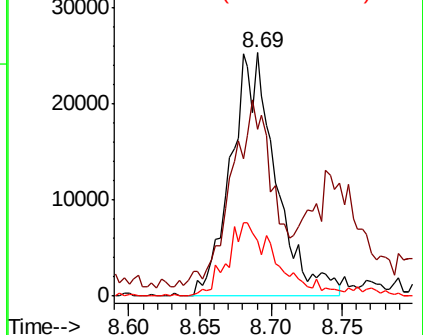
77 22.9 25.0 37.6#

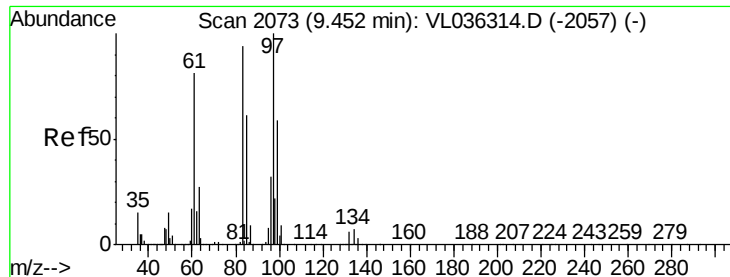


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.541 ppbv m

RT: 9.46 min Scan# 2076

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

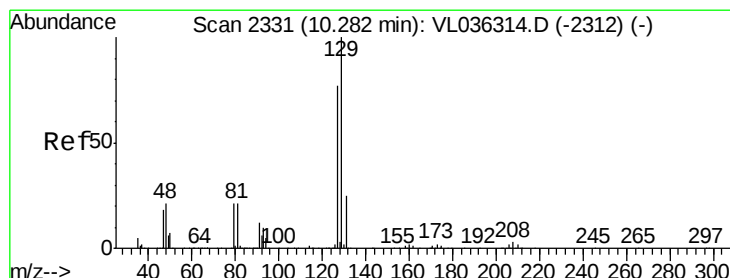
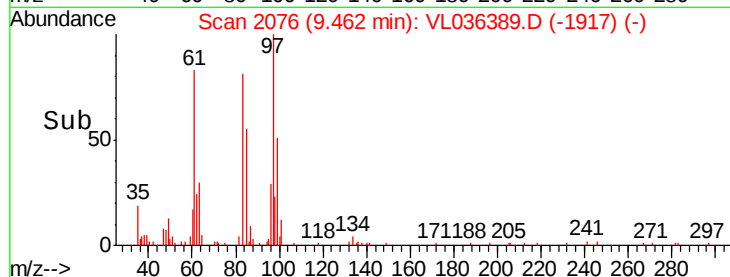
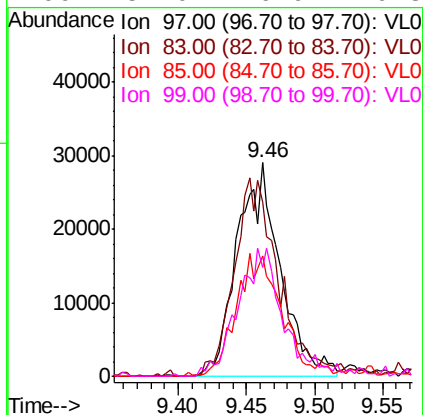
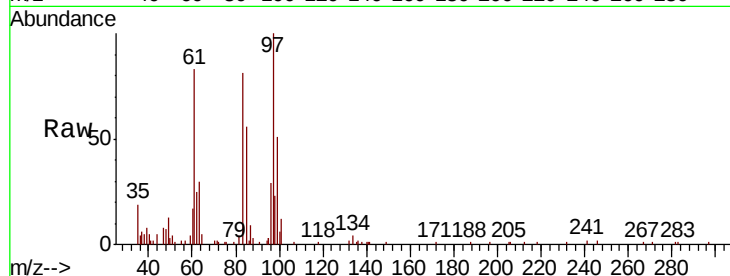
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	97	Resp:	63841
Ion	Ratio	Lower	Upper
97	100		
83	81.4	75.4	113.0
85	56.2	48.9	73.3
99	51.0	46.9	70.3

Manual Integrations
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3/1/2021 10:03:07 AM



#48

Dibromochloromethane

Concen: 0.471 ppbv

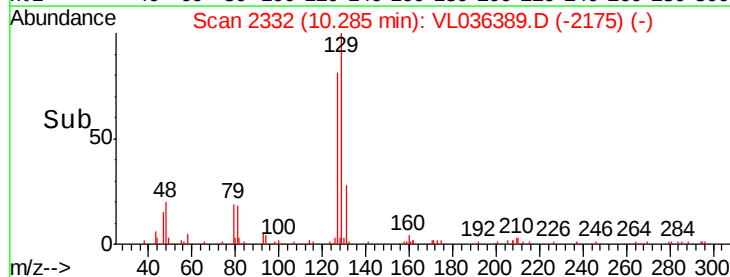
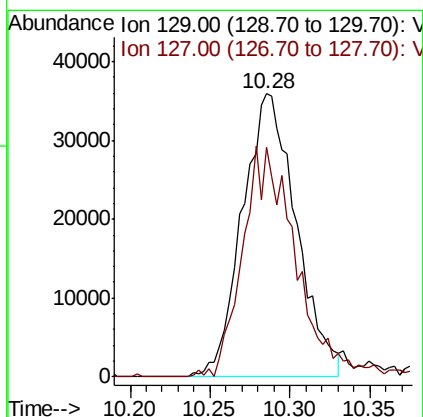
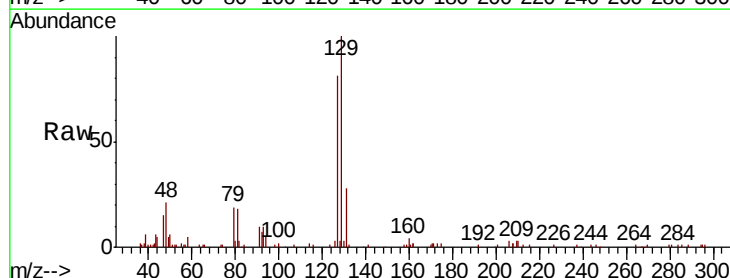
RT: 10.28 min Scan# 2332

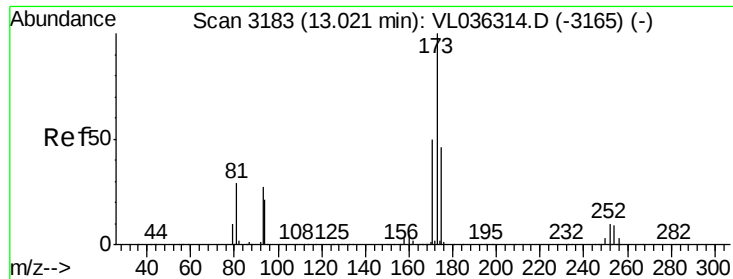
Delta R.T. 0.00 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	129	Resp:	82975
Ion	Ratio	Lower	Upper
129	100		
127	81.4	39.1	117.2





#49

Bromoform

Concen: 0.437 ppbv m

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

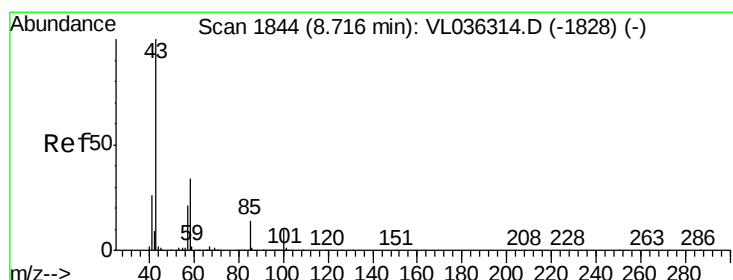
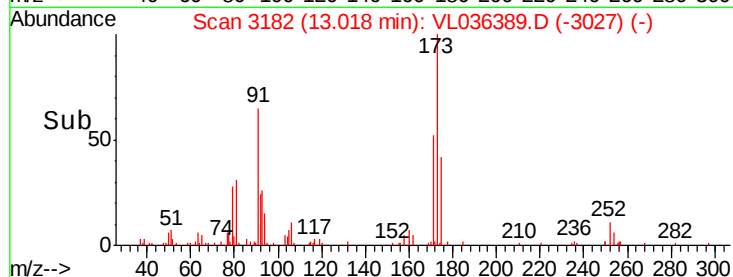
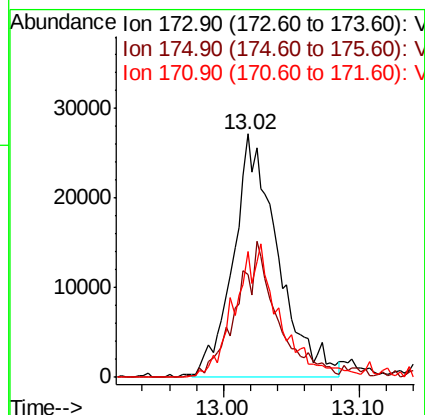
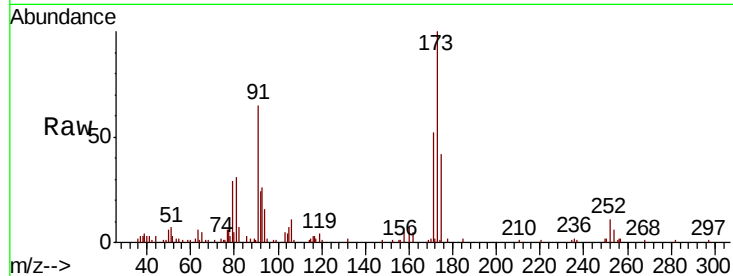
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	173	Resp:	62163
Ion Ratio	Lower	Upper	
173	100		
175	53.4	40.2	60.2
171	54.6	43.4	65.2

Manual Integrations
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3/1/2021 10:03:07 AM



#50

4-Methyl-2-Pentanone

Concen: 0.436 ppbv m

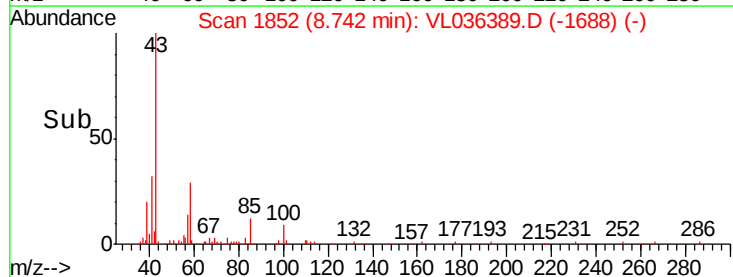
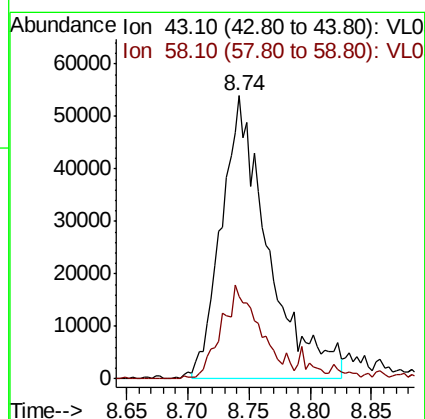
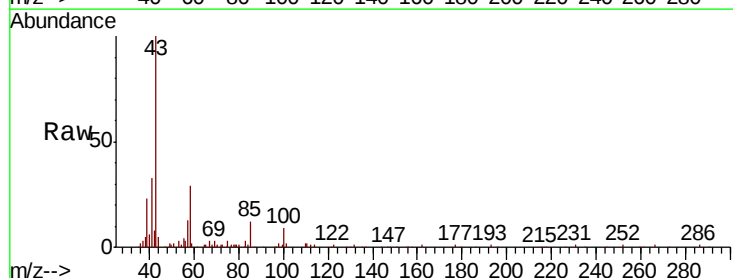
RT: 8.74 min Scan# 1852

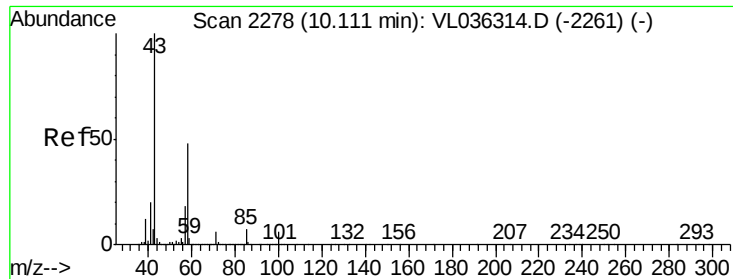
Delta R.T. 0.03 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	43	Resp:	143647
Ion Ratio	Lower	Upper	
43	100		
58	27.4	27.8	41.6#





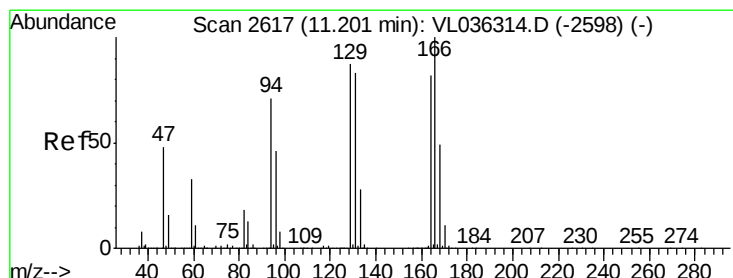
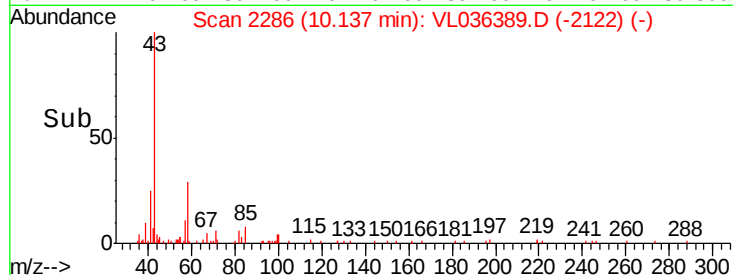
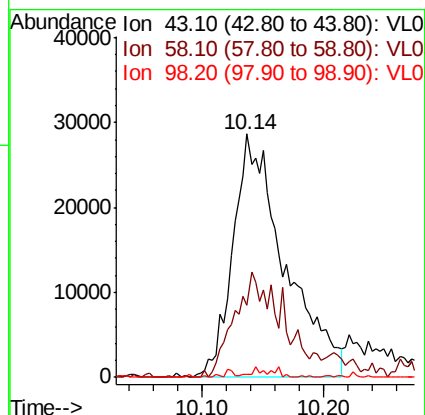
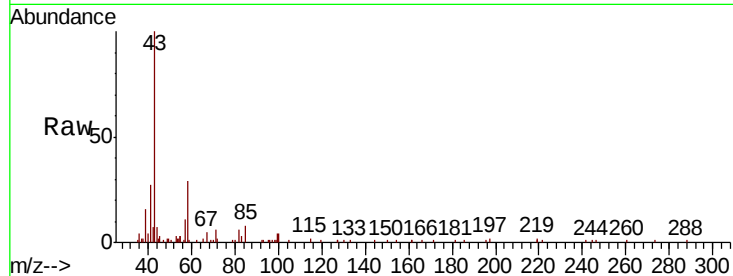
#51
2-Hexanone
Concen: 0.335 ppbv m
RT: 10.14 min Scan# 2286
Delta R.T. 0.03 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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#

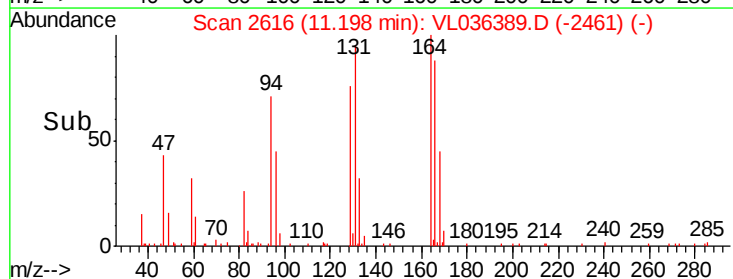
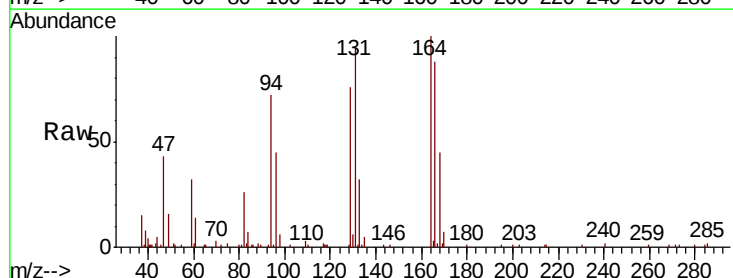
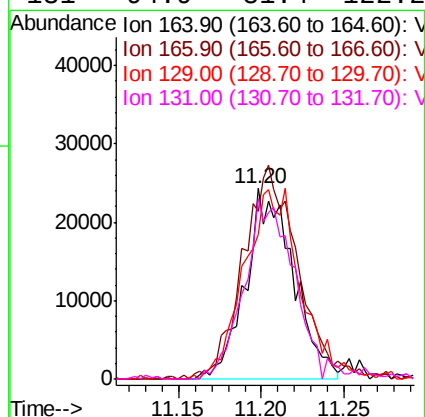
Manual Integrations
APPROVED

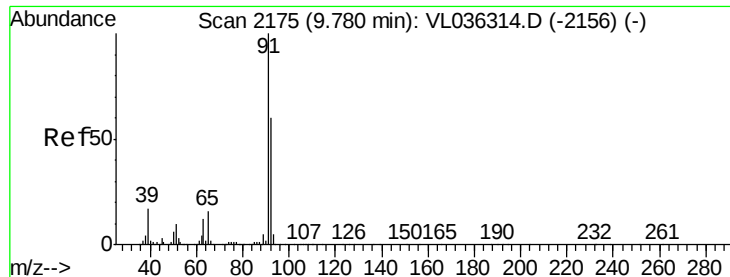
MMDadoda
3/1/2021 10:03:07 AM



#52
Tetrachloroethene
Concen: 0.469 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	88.2	97.8	146.8#
129	76.1	84.9	127.3#
131	94.9	81.4	122.2





#53

Toluene

Concen: 0.379 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 116446

Ion Ratio Lower Upper

91 100

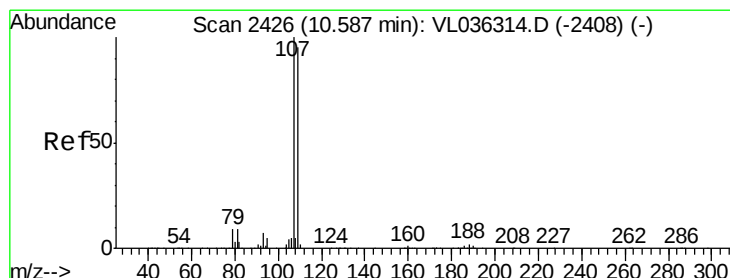
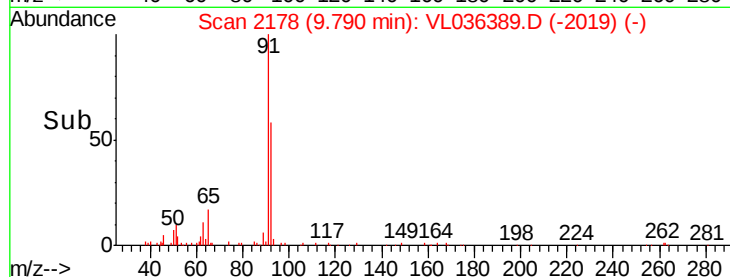
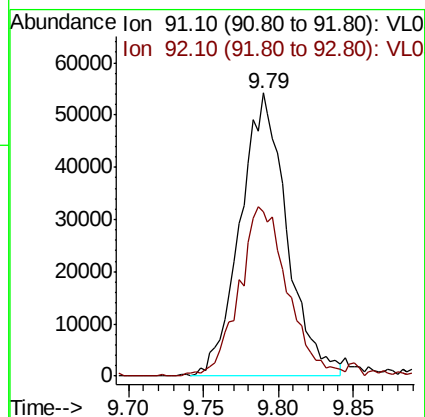
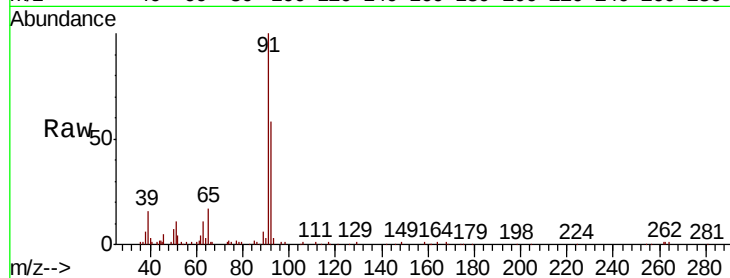
92 62.4 48.6 72.8

Manual Integrations

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3/1/2021 10:03:07 AM



#54

1,2-Dibromoethane

Concen: 0.497 ppbv m

RT: 10.59 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL036389.D

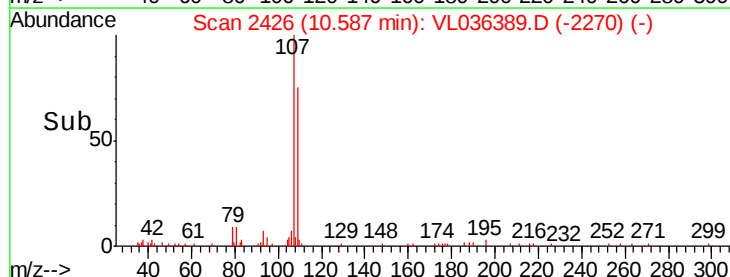
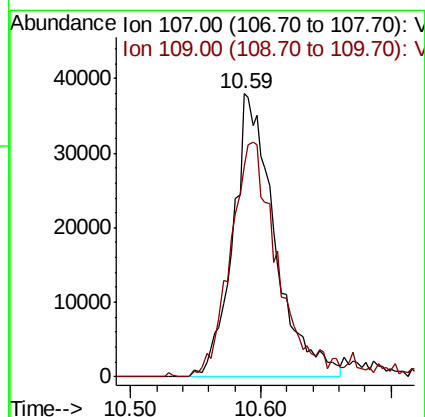
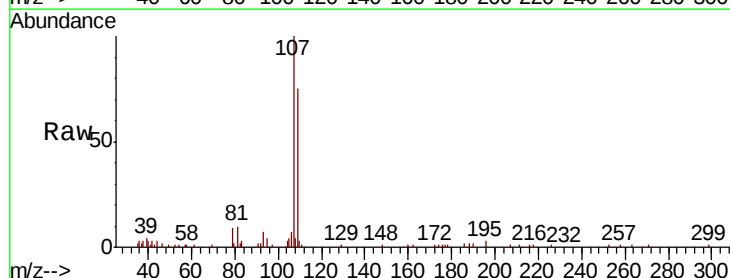
Acq: 25 Feb 2021 20:06

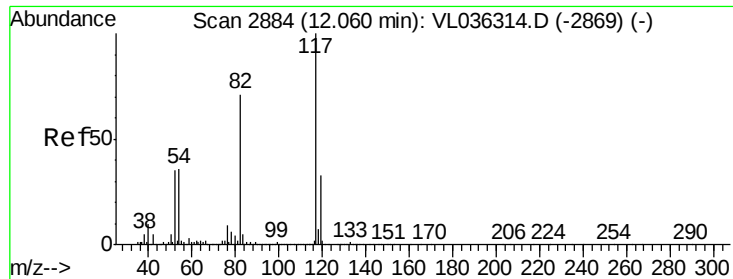
Tgt Ion: 107 Resp: 84754

Ion Ratio Lower Upper

107 100

109 74.5 76.0 114.0#





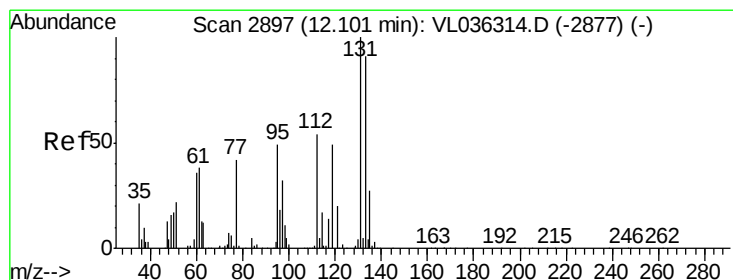
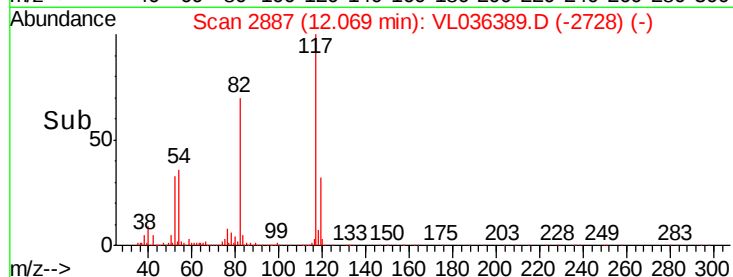
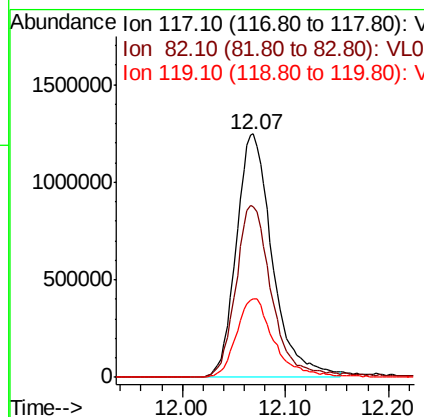
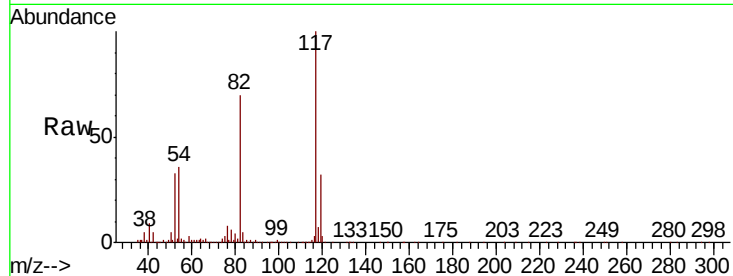
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.2	59.1	88.7
119	34.4	46.3	69.5#

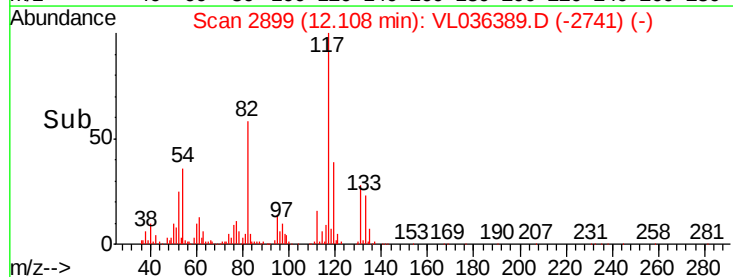
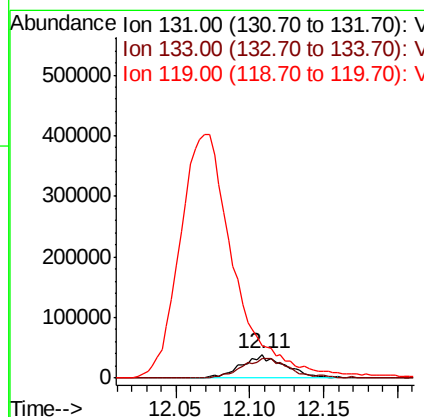
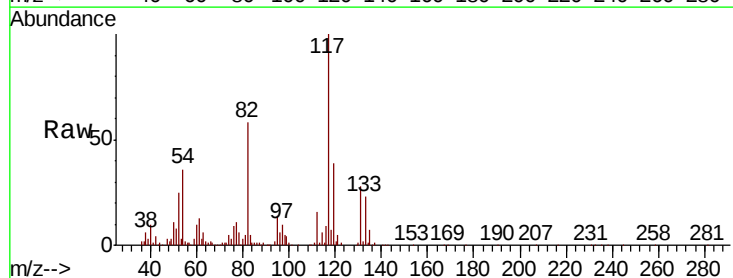
Manual Integrations
APPROVED

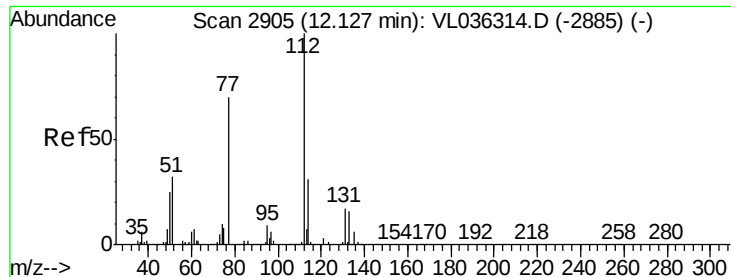
MMDadoda
3/1/2021 10:03:07 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.575 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.0	114.0
119	0.0	115.1	172.7#





#57

Chlorobenzene

Concen: 0.567 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

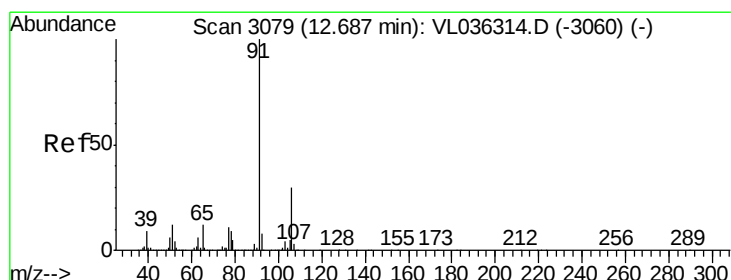
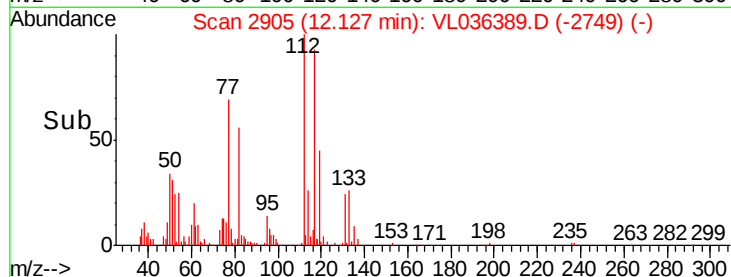
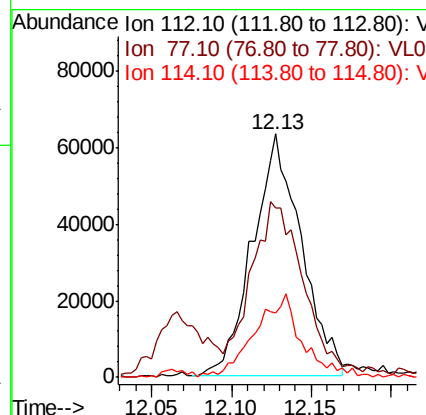
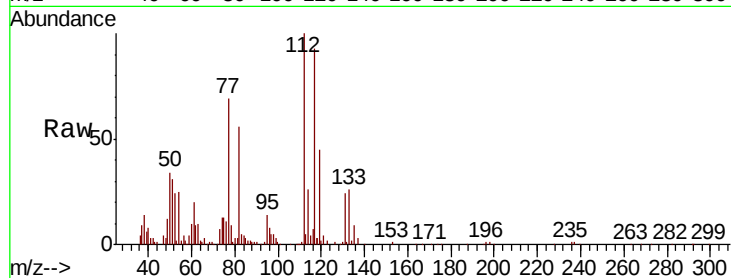
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	112	Resp:	133231
Ion Ratio	Lower	Upper	
112	100		
77	65.4	56.1	84.1
114	24.1	28.3	34.5#

Manual Integrations
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MMDadoda
3/1/2021 10:03:07 AM



#58

Ethyl Benzene

Concen: 0.422 ppbv m

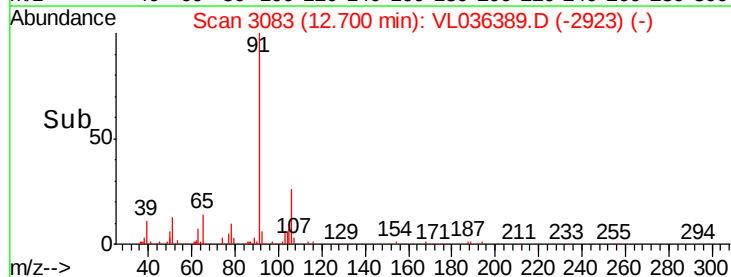
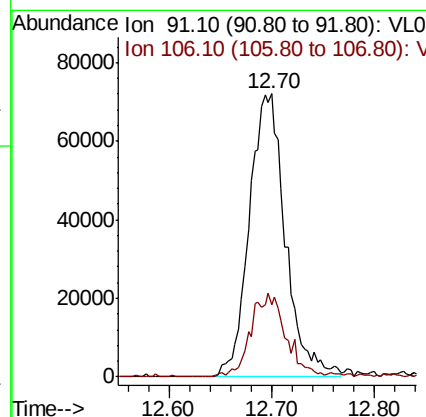
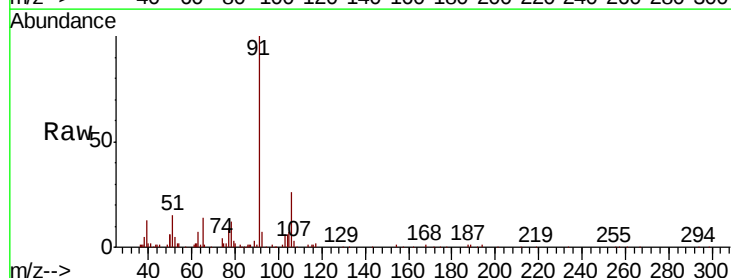
RT: 12.70 min Scan# 3083

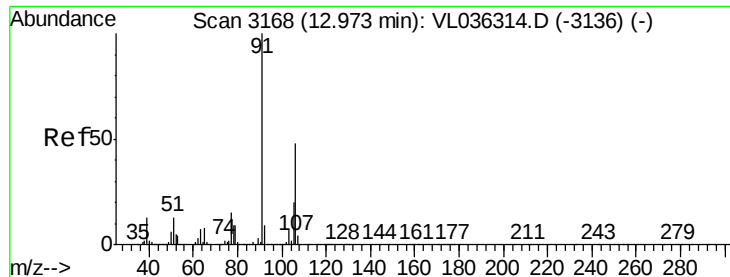
Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	91	Resp:	175732
Ion Ratio	Lower	Upper	
91	100		
106	25.7	23.8	35.6





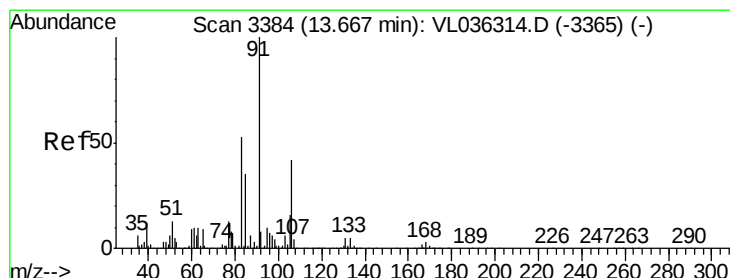
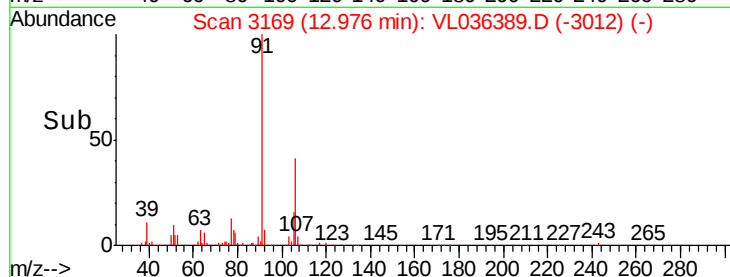
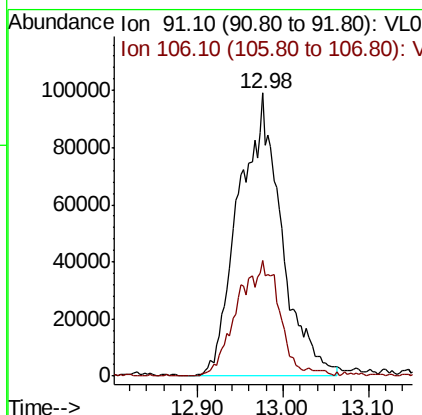
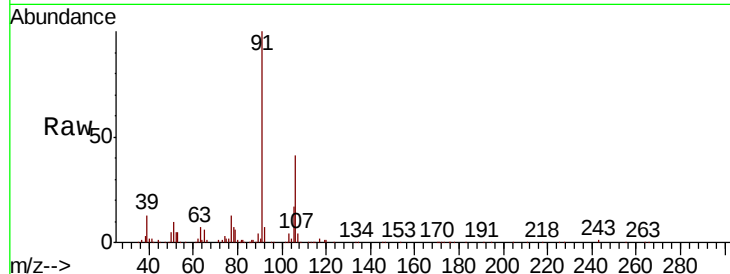
#59
m/p-Xylene
Concen: 0.951 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion: 91 Resp: 347896
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

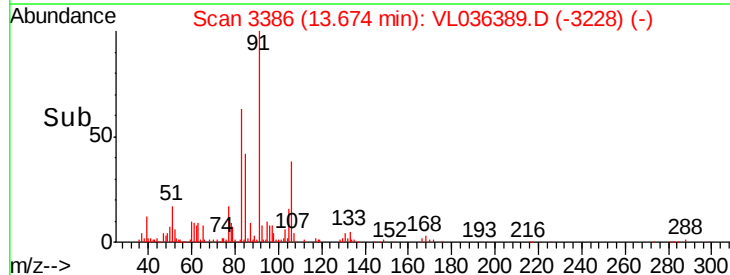
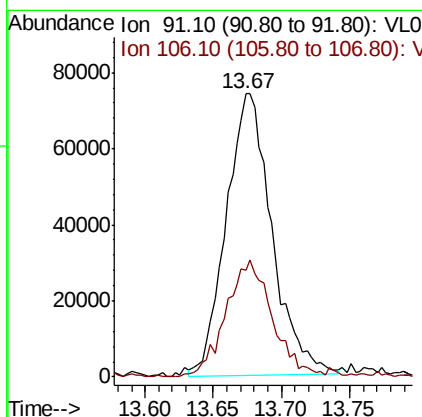
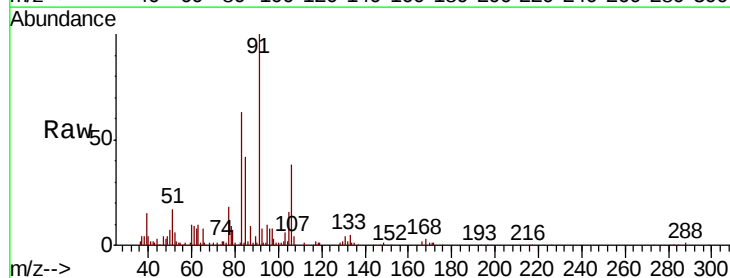
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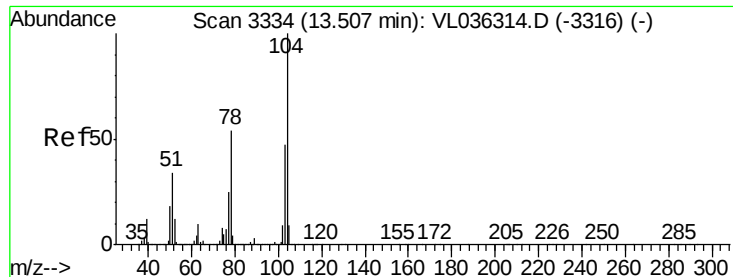
MMDadoda
3/1/2021 10:03:07 AM



#60
o-Xylene
Concen: 0.490 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion: 91 Resp: 171431
Ion Ratio Lower Upper
91 100
106 43.9 22.0 66.0





#61

Stvrene

Concen: 0.327 ppbv m

RT: 13.52 min Scan# 3338

Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

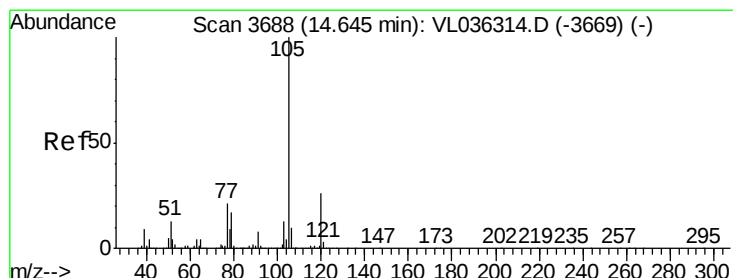
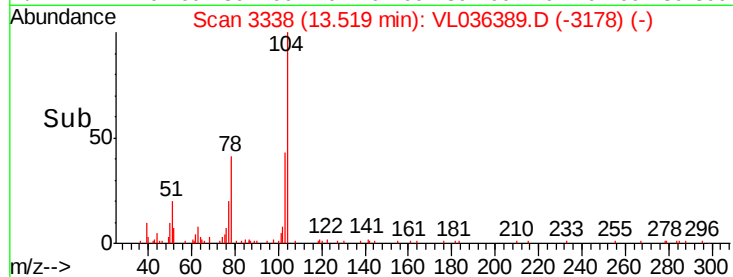
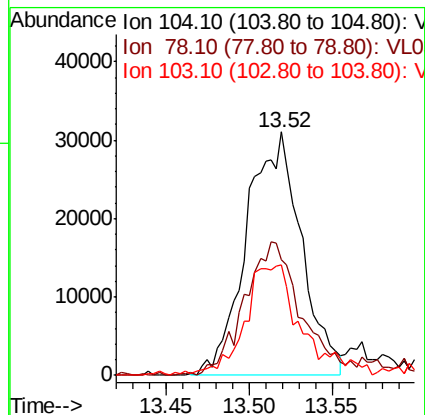
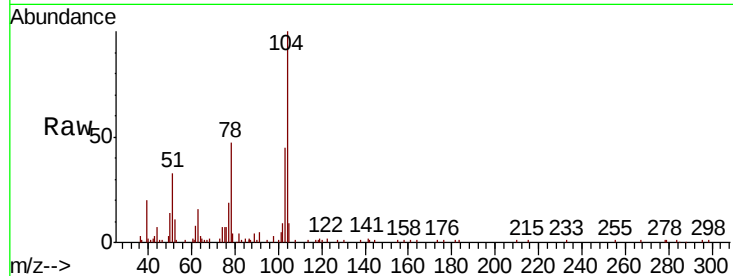
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	104	Resp:	70944
Ion Ratio	Lower	Upper	
104	100		
78	0.0	46.2	69.2#
103	47.6	38.3	57.5

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3/1/2021 10:03:07 AM



#62

Isopropylbenzene

Concen: 0.479 ppbv

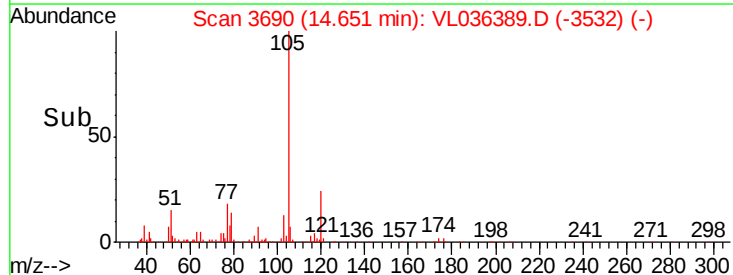
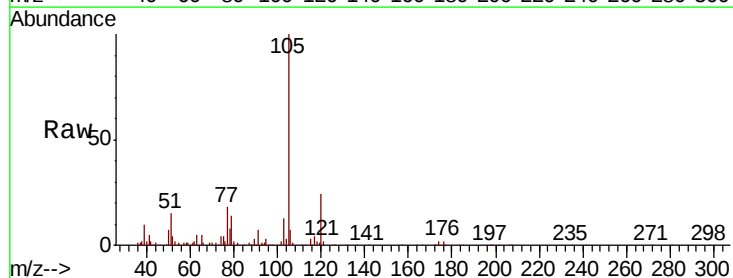
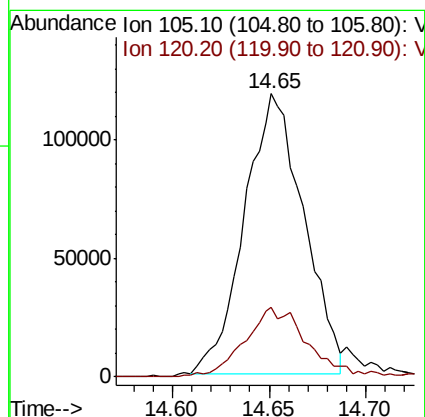
RT: 14.65 min Scan# 3690

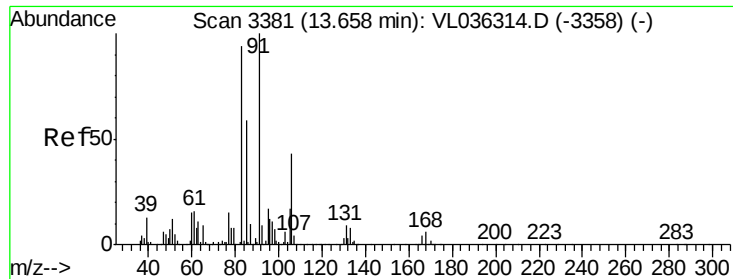
Delta R.T. 0.01 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	105	Resp:	250889
Ion Ratio	Lower	Upper	
105	100		
120	26.7	20.6	30.8





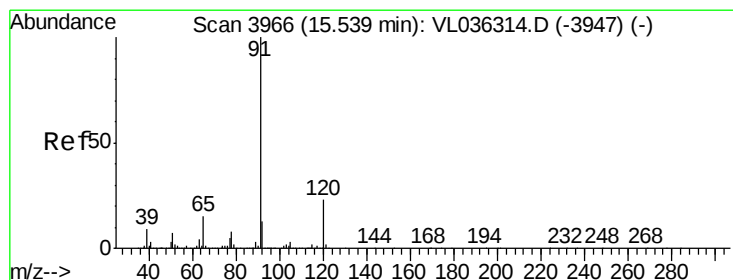
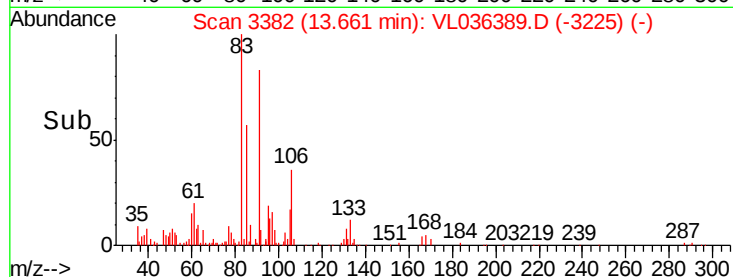
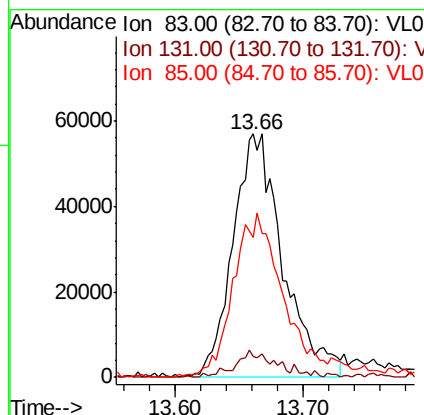
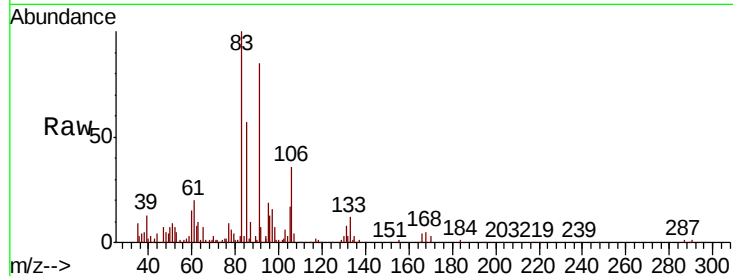
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.560 ppbv m
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	83	Resp	154516
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	72.1	33.0	98.9

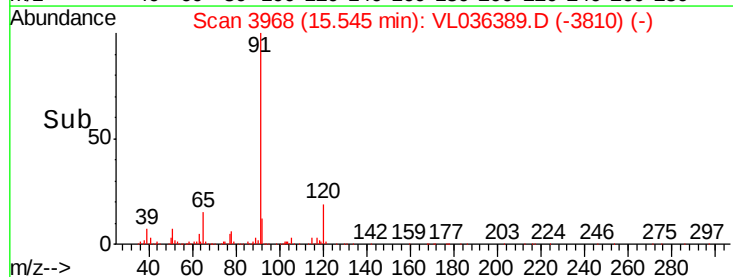
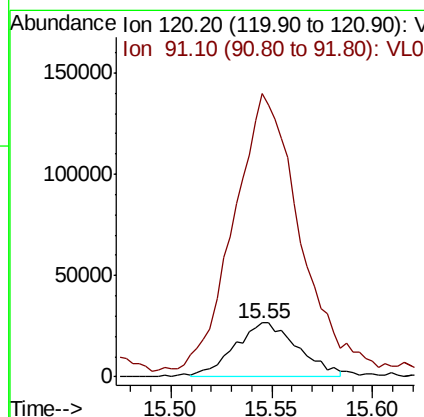
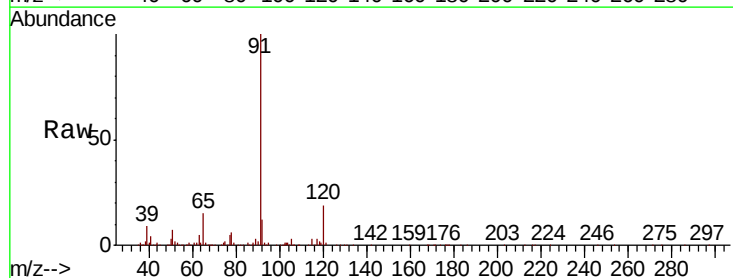
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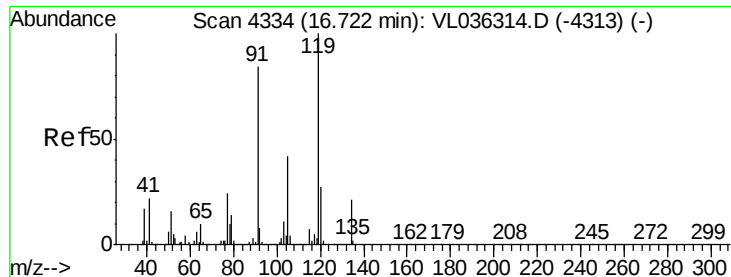
MMDadoda
 3/1/2021 10:03:07 AM



#64
 n-propylbenzene
 Concen: 0.447 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	120	Resp	57662
Ion	Ratio	Lower	Upper
120	100		
91	599.9	387.2	580.8#





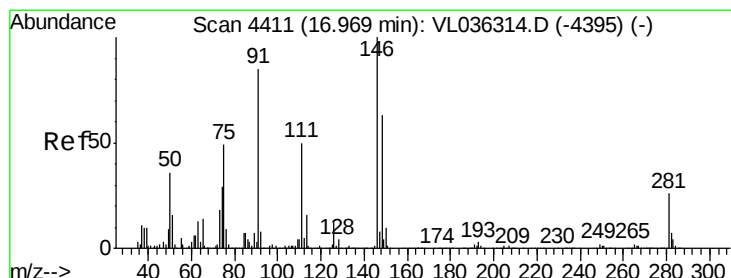
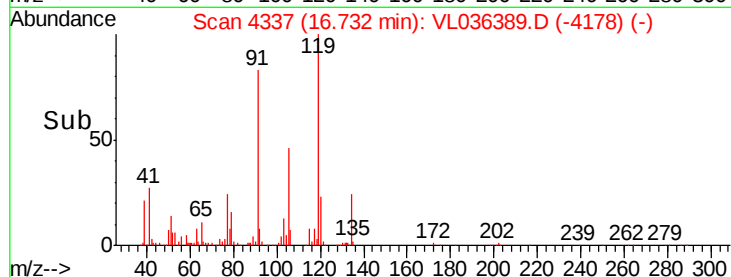
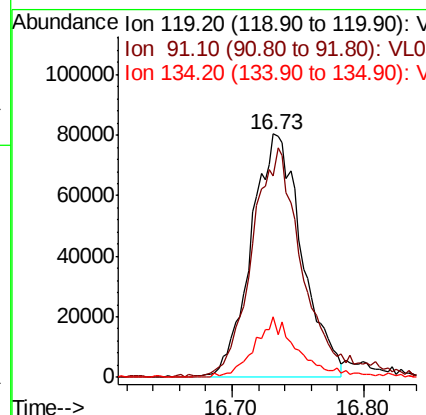
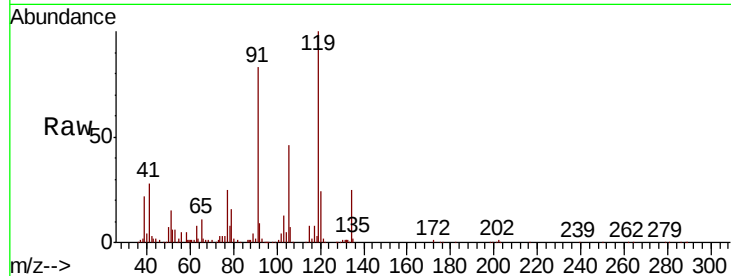
#65
tert-Butylbenzene
Concen: 0.479 ppbv m
RT: 16.73 min Scan# 4337
Delta R.T. 0.01 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	214747		
91	97.3	70.5	105.7	
134	21.8	15.8	23.8	

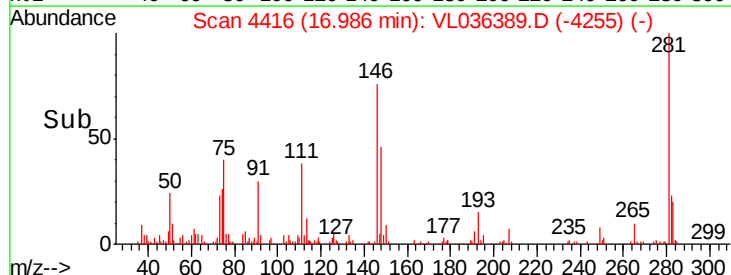
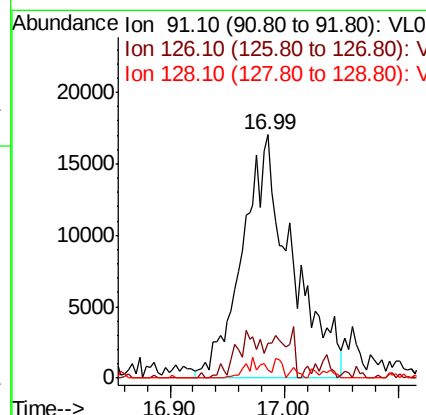
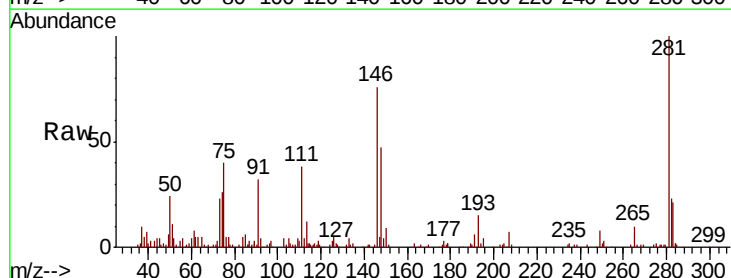
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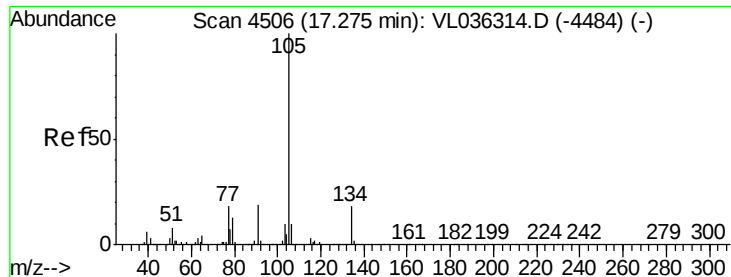
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3/1/2021 10:03:07 AM



#66
Benzyl Chloride
Concen: 0.421 ppbv m
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL036389.D
Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	51369		
126	18.0	12.9	19.3	
128	5.0	4.2	6.2	





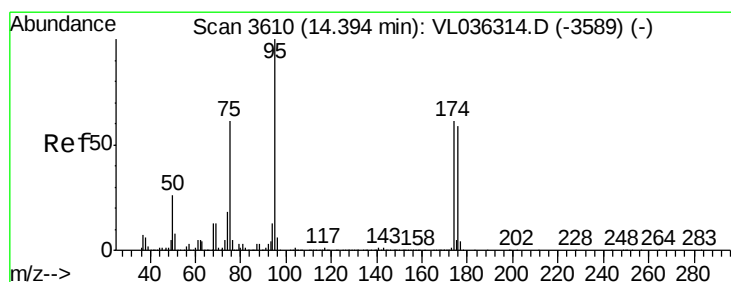
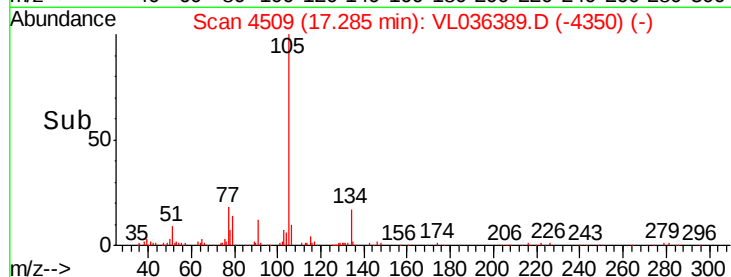
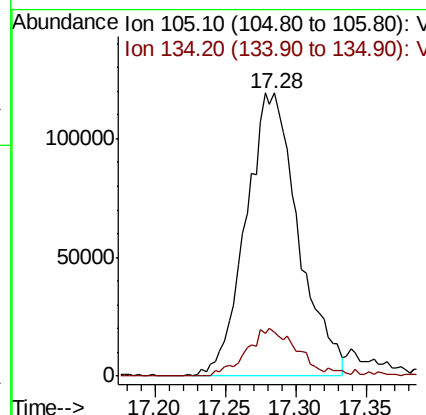
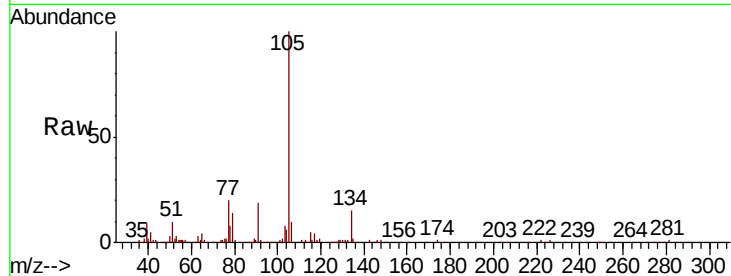
#67
 sec-Butylbenzene
 Concen: 0.476 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.1	14.2	21.4

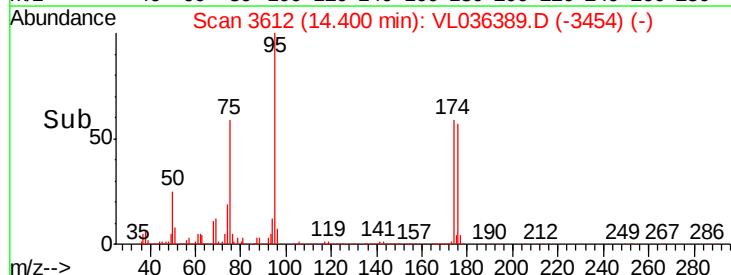
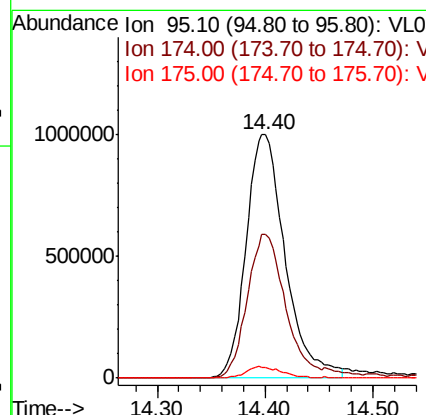
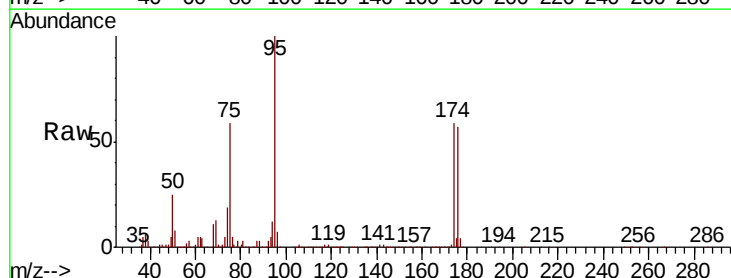
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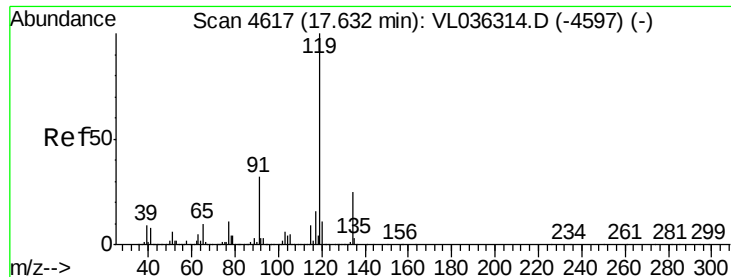
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.083 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.3	49.8	74.6
175	4.7	3.7	5.5





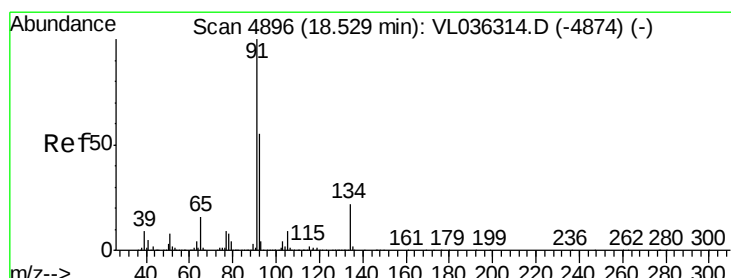
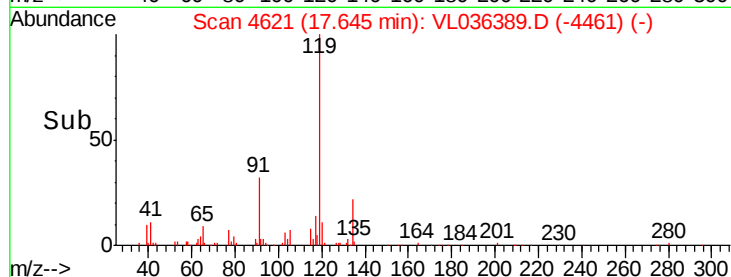
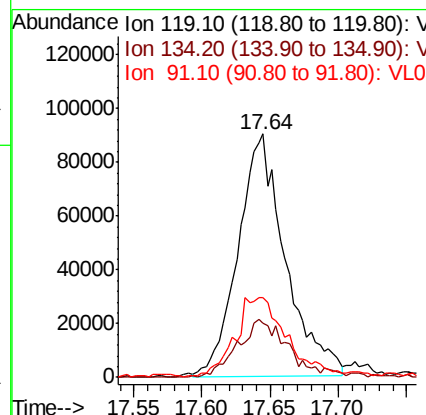
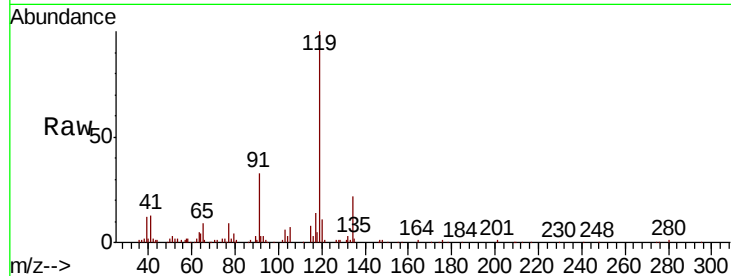
#69
 p-Isopropyltoluene
 Concen: 0.437 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218592		
134	25.6	20.1	30.1	
91	36.7	25.8	38.6	

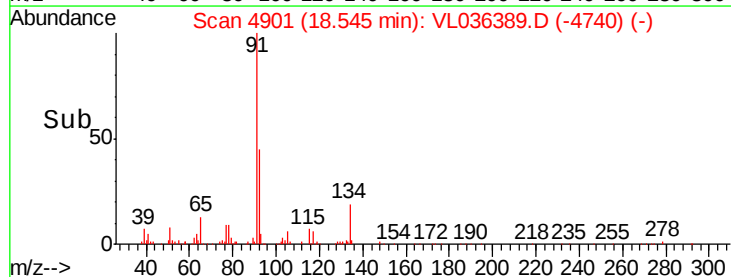
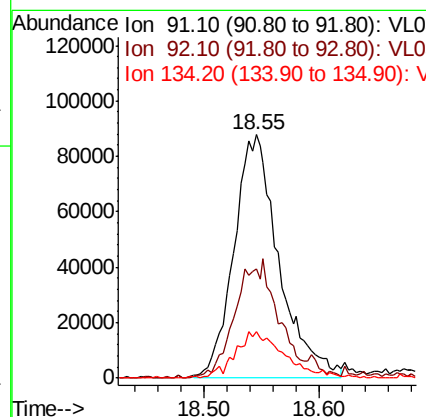
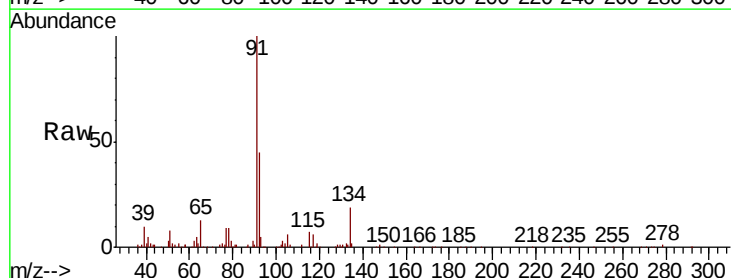
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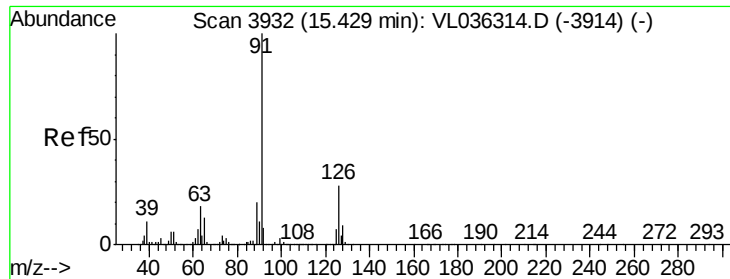
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 3/1/2021 10:03:07 AM



#70
 n-Butylbenzene
 Concen: 0.446 ppbv m
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	239080		
92	50.2	43.7	65.5	
134	21.1	17.4	26.0	





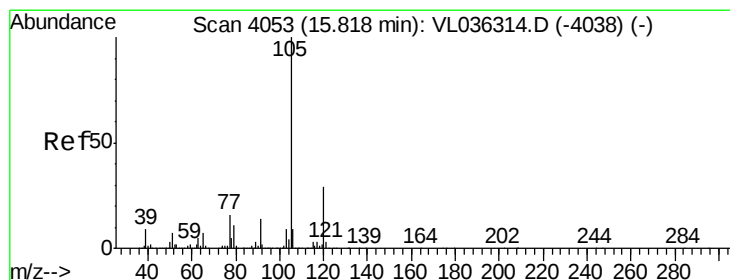
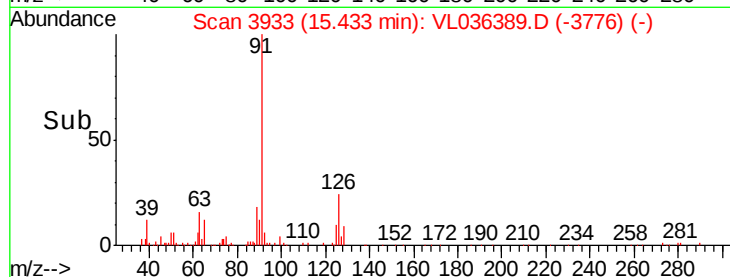
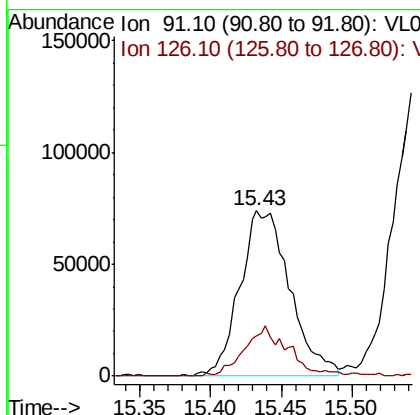
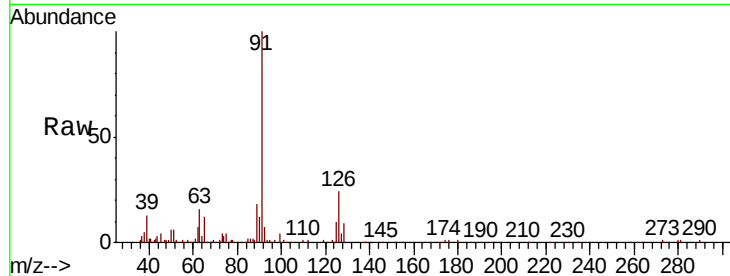
#71
 2-Chlorotoluene
 Concen: 0.453 ppbv m
 RT: 15.43 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.4	11.5	46.1

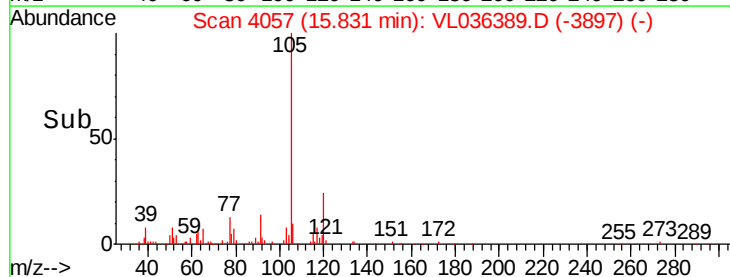
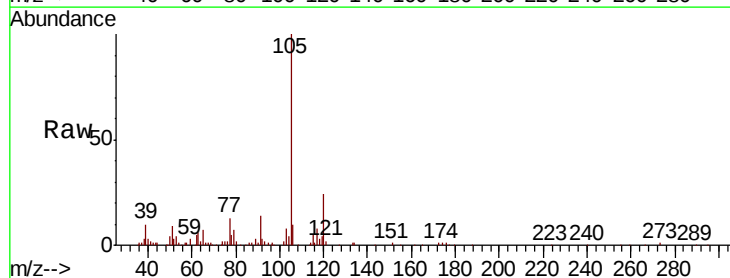
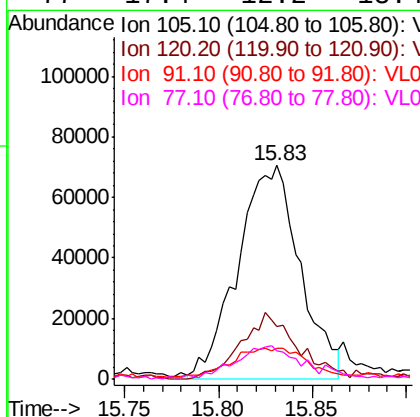
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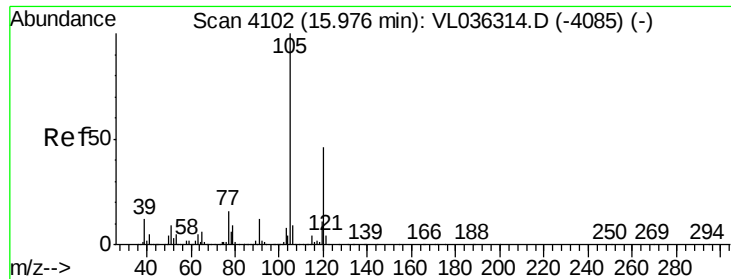
MMDadoda
 3/1/2021 10:03:07 AM



#72
 4-Ethyltoluene
 Concen: 0.418 ppbv m
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	18.1	11.0	16.4#
77	17.4	12.2	18.4





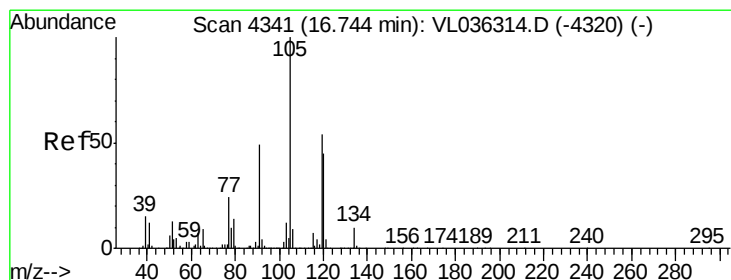
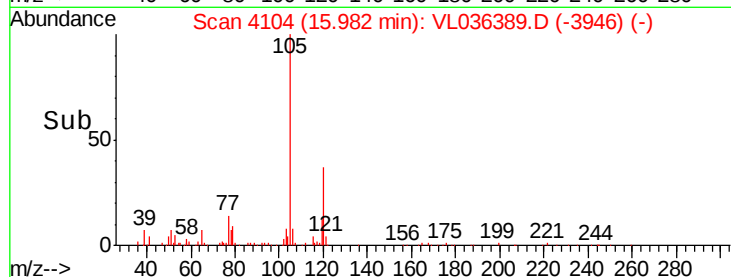
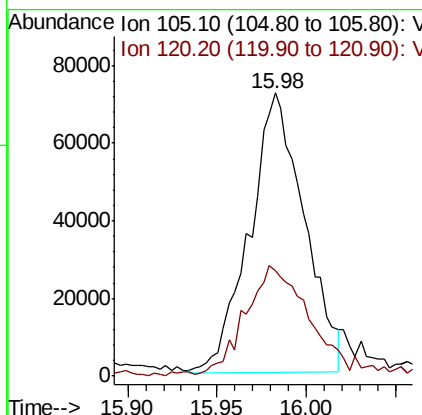
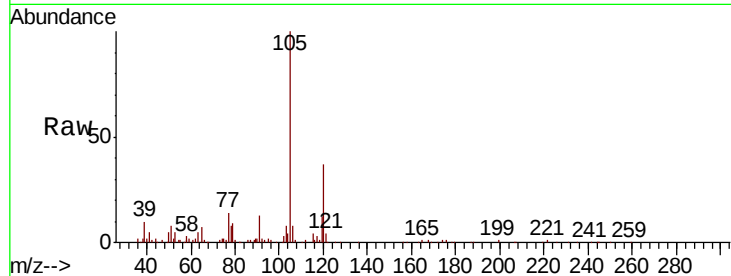
#73
 1,3,5-Trimethylbenzene
 Concen: 0.409 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	36.1	36.9	55.3#

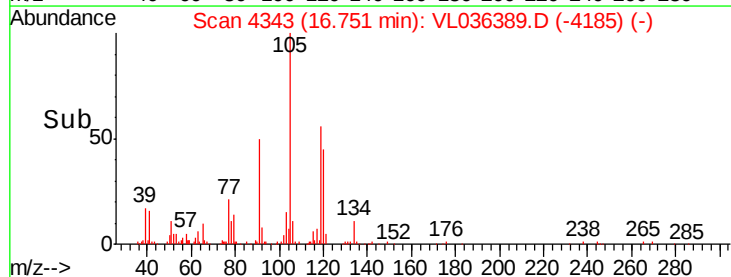
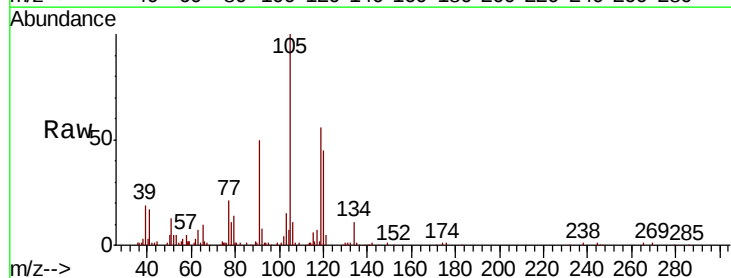
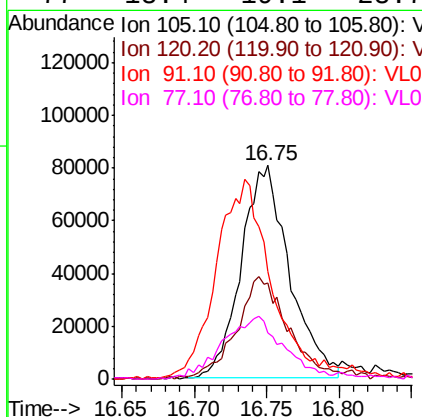
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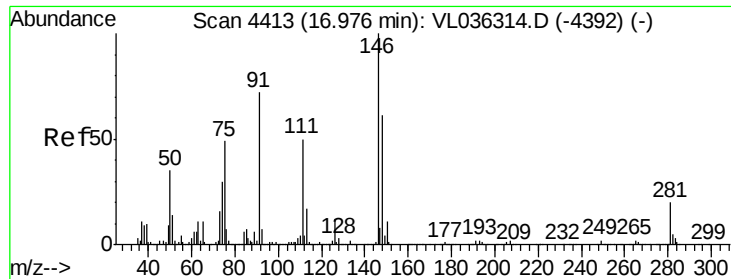
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 3/1/2021 10:03:07 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.487 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	35.8	53.6
91	45.2	39.8	59.6
77	18.4	19.1	28.7#





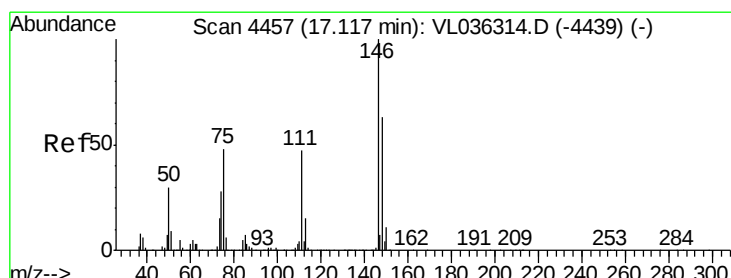
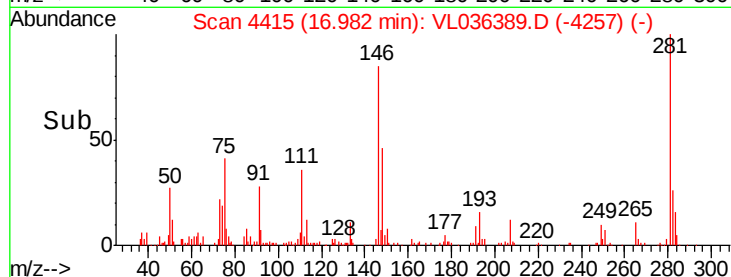
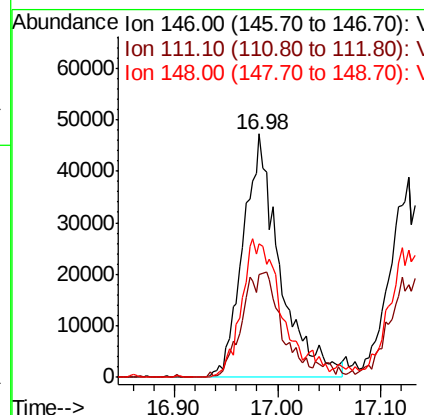
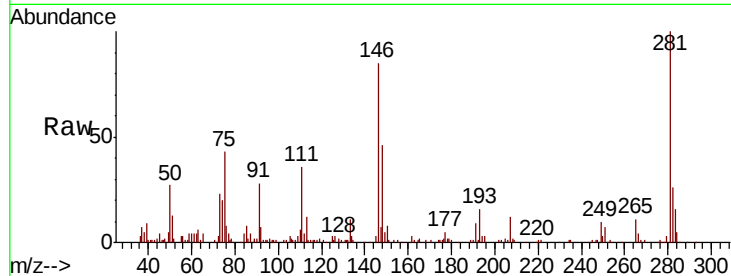
#75
 1,3-Dichlorobenzene
 Concen: 0.558 ppbv m
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.9	74.6
148	64.5	31.9	95.9

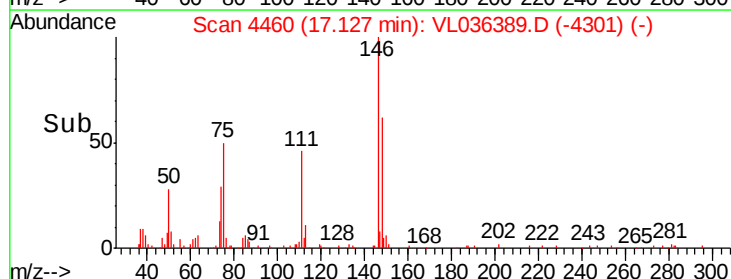
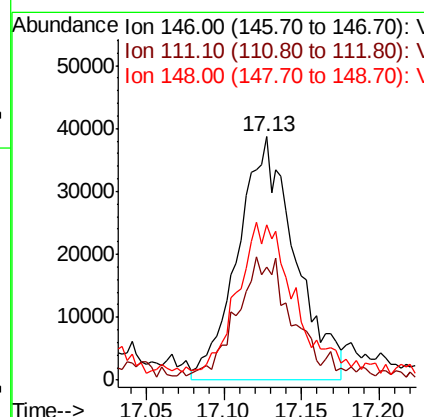
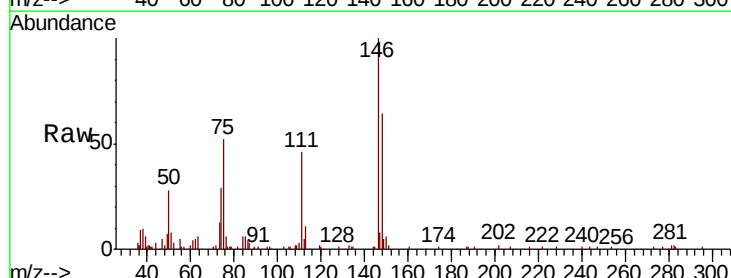
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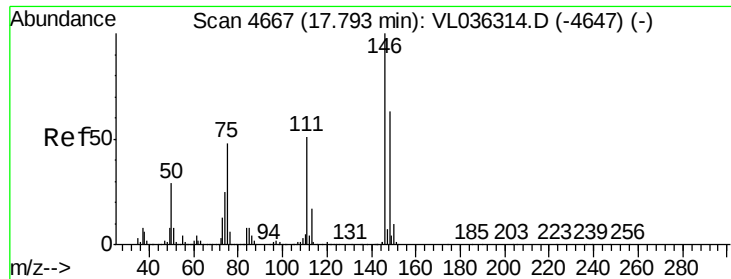
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 3/1/2021 10:03:07 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.460 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.6	71.0#
148	0.0	31.6	95.0#





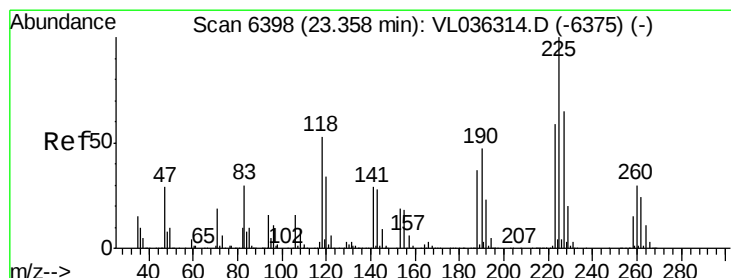
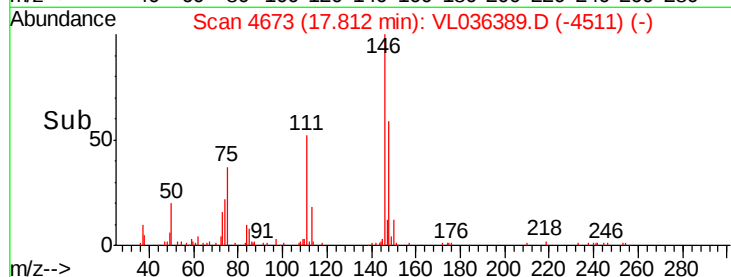
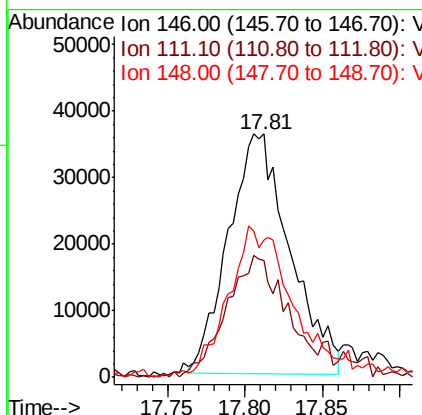
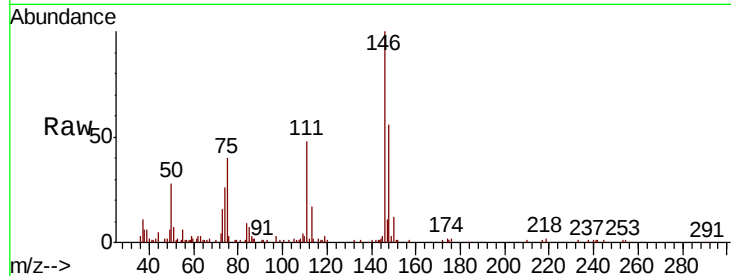
#77
 1,2-Dichlorobenzene
 Concen: 0.481 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.02 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.1	25.9	77.8
148	69.2	32.5	97.4

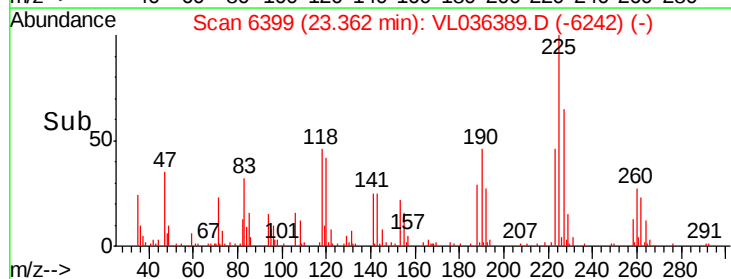
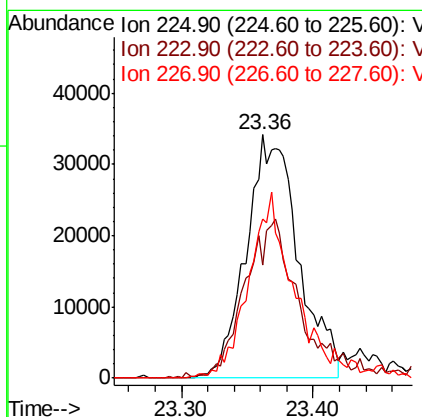
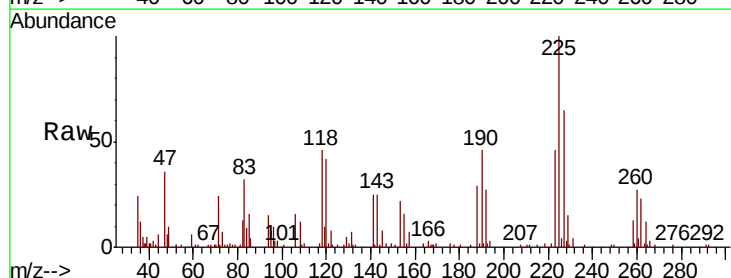
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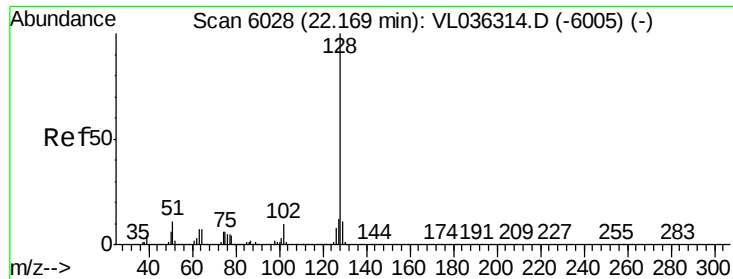
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.554 ppbv m
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.8	50.8	76.2
227	69.3	52.2	78.2





#79

Naphthalene

Concen: 0.206 ppbv m

RT: 22.20 min Scan# 6037

Delta R.T. 0.03 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Instrument :

MSVOA_L

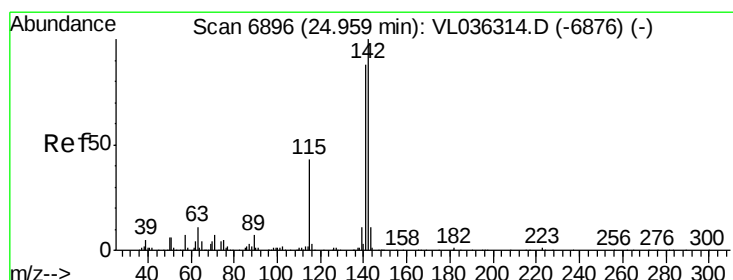
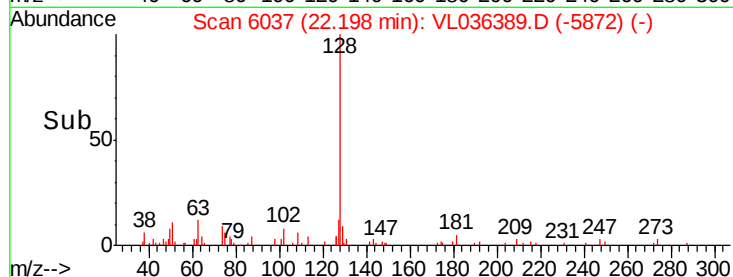
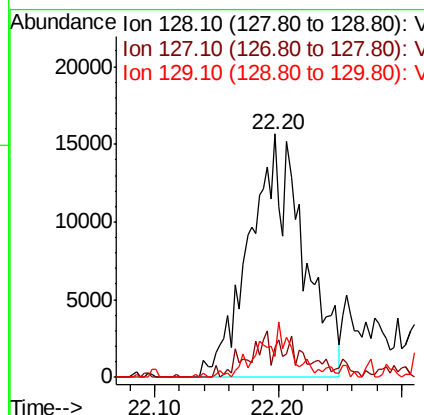
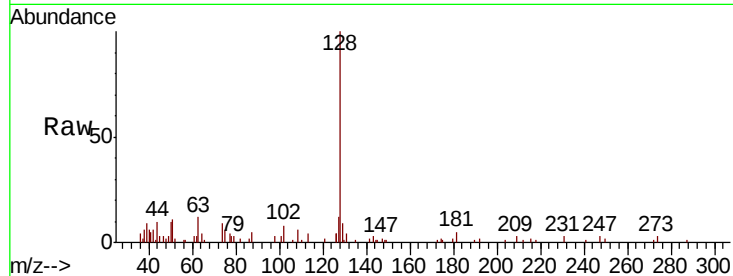
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	128	Resp:	47027
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.6	14.4
129	8.5	8.5	12.7

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#80

Naphthalene, 2-methyl-

Concen: 0.117 ppbv m

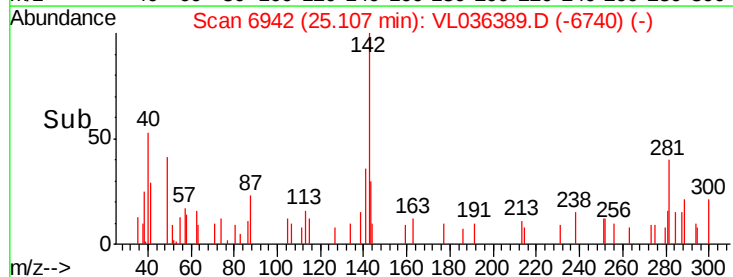
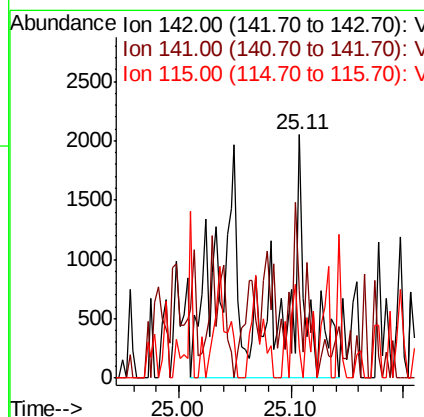
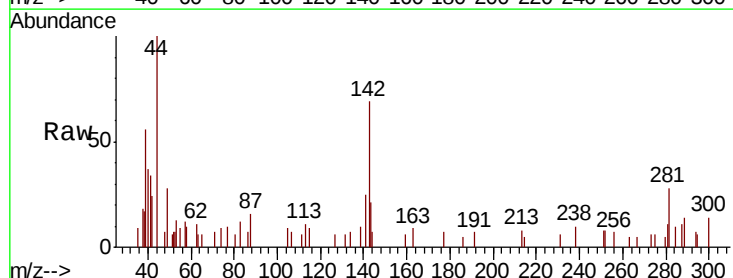
RT: 25.11 min Scan# 6942

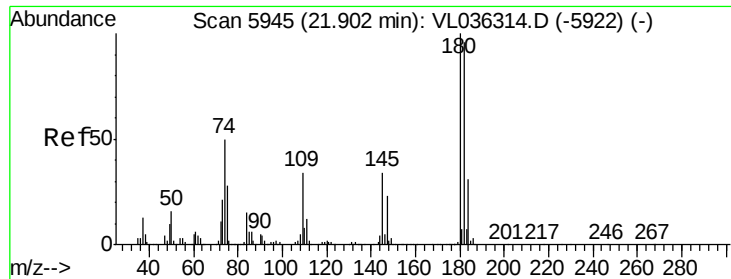
Delta R.T. 0.15 min

Lab File: VL036389.D

Acq: 25 Feb 2021 20:06

Tgt Ion:	142	Resp:	4948
Ion Ratio	Lower	Upper	
142	100		
141	4.0	64.4	96.6#
115	1.5	34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.318 ppbv m
 RT: 21.93 min Scan# 5955
 Delta R.T. 0.03 min
 Lab File: VL036389.D
 Acq: 25 Feb 2021 20:06

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	80.2	120.4
184	31.8	25.0	37.6

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