

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036427.D
 Acq On : 2 Mar 2021 13:36
 Operator : SY/AP
 Sample : M1458-15 0.45
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 3/3/2021 1:52:29 PM

Quant Time: Mar 03 10:45:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 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	1622152	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3612568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3171631	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2563220	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	135976	0.562 ppbv	99
3) Chlorodifluoromethane	2.98	51	105031	0.521 ppbv	100
4) Chloromethane	3.13	50	48465	0.498 ppbv	98
5) Vinyl Chloride	3.25	62	38622	0.426 ppbv	100
6) Bromomethane	3.47	94	24815	0.460 ppbv	100
7) Chloroethane	3.55	64	16646m	0.517 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	118585	0.539 ppbv	97
9) Propene	3.29	41	13725m	0.183 ppbv	
10) Heptane	8.11	43	90537m	0.409 ppbv	
11) Trichlorofluoromethane	3.94	101	117192	0.494 ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.48	101	71613	0.488 ppbv	91
13) Ethanol	3.61	45	8989m	0.637 ppbv	
14) Bromoethene	3.73	108	24994	0.407 ppbv #	80
15) Acetone	3.86	43	121896m	0.615 ppbv	
16) 1,3-Butadiene	3.32	39	38228	0.403 ppbv	94
17) tert-Butyl alcohol	4.29	59	60857	0.395 ppbv	99
18) 1,1-Dichloroethene	4.28	96	27794	0.416 ppbv	96
19) Isopropyl Alcohol	3.97	45	55826m	0.508 ppbv	
20) Methylene Chloride	4.33	84	34454	0.539 ppbv #	78
21) Allyl Chloride	4.40	41	43888	0.398 ppbv	90
22) trans-1,2-Dichloroethene	4.87	96	29220m	0.482 ppbv	
23) Vinyl Acetate	5.07	43	82388	0.353 ppbv #	91
24) 1,1-Dichloroethane	5.00	63	90043m	0.522 ppbv	
25) Ethyl Acetate	5.67	43	162548	0.425 ppbv	98
26) Hexane	5.67	57	65224	0.415 ppbv #	83
27) Carbon Disulfide	4.54	76	53328	0.369 ppbv #	75
28) Methyl tert-Butyl Ether	5.04	73	87568m	0.426 ppbv	
29) Chloroform	5.74	83	121667	0.480 ppbv	99
30) Cyclohexane	7.12	84	63093m	0.482 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	58943m	0.379 ppbv	
32) 1,1,1-Trichloroethane	6.49	97	114607m	0.484 ppbv	
34) 2-Butanone	5.24	43	95996	0.400 ppbv	92
35) Carbon Tetrachloride	7.00	117	111621m	0.461 ppbv	
36) Benzene	6.88	78	127401	0.415 ppbv	96
37) 1,2-Dichloroethane	6.29	62	78419	0.413 ppbv #	94
38) Trichloroethene	7.82	130	50087m	0.456 ppbv	
39) 1,2-Dichloropropane	7.60	63	54030	0.433 ppbv #	86
40) 1,4-Dioxane	7.86	88	20105m	0.465 ppbv	
41) Tetrahydrofuran	6.06	42	42265m	0.316 ppbv	
42) Bromodichloromethane	7.78	83	103660	0.408 ppbv #	99
43) Methyl Methacrylate	8.01	69	43983	0.340 ppbv	96

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Manual Integrations
 APPROVED

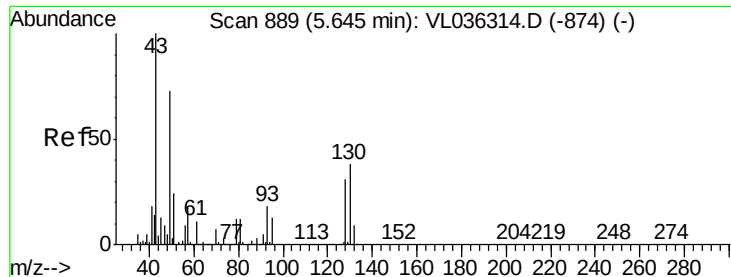
MMDadoda
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Quant Time: Mar 03 10:45:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	249425	0.447	ppbv	96
45) t-1,3-Dichloropropene	9.27	75	39907m	0.320	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	47559	0.300	ppbv #	84
47) 1,1,2-Trichloroethane	9.46	97	59770	0.469	ppbv	91
48) Dibromochloromethane	10.29	129	80206m	0.421	ppbv	
49) Bromoform	13.03	173	57337	0.373	ppbv	94
50) 4-Methyl-2-Pentanone	8.75	43	124172	0.348	ppbv	99
51) 2-Hexanone	10.15	43	85221m	0.315	ppbv	
52) Tetrachloroethene	11.21	164	46458	0.414	ppbv #	82
53) Toluene	9.79	91	122564m	0.369	ppbv	
54) 1,2-Dibromoethane	10.60	107	84086m	0.456	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	68774	0.471	ppbv #	1
57) Chlorobenzene	12.13	112	127733	0.521	ppbv	98
58) Ethyl Benzene	12.70	91	173874m	0.400	ppbv	
59) m/p-Xylene	12.99	91	334802m	0.878	ppbv	
60) o-Xylene	13.68	91	166713	0.457	ppbv	98
61) Styrene	13.52	104	72767m	0.322	ppbv	
62) Isopropylbenzene	14.66	105	255951	0.468	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	135398	0.470	ppbv	91
64) n-propylbenzene	15.55	120	60495m	0.450	ppbv	
65) tert-Butylbenzene	16.74	119	201780	0.431	ppbv	95
66) Benzyl Chloride	16.98	91	47892m	0.377	ppbv	
67) sec-Butylbenzene	17.29	105	295833	0.439	ppbv	99
69) p-Isopropyltoluene	17.65	119	211837m	0.406	ppbv	
70) n-Butylbenzene	18.55	91	220437m	0.394	ppbv	
71) 2-Chlorotoluene	15.44	91	171550	0.409	ppbv	97
72) 4-Ethyltoluene	15.83	105	156607m	0.386	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	163295m	0.415	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	172470	0.429	ppbv	89
75) 1,3-Dichlorobenzene	16.98	146	108617m	0.498	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	102537m	0.453	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	102954m	0.476	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	92402m	0.523	ppbv	
79) Naphthalene	22.20	128	43098m	0.181	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	1411m	0.032	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	39011m	0.269	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1622152

Ion Ratio Lower Upper

49 100

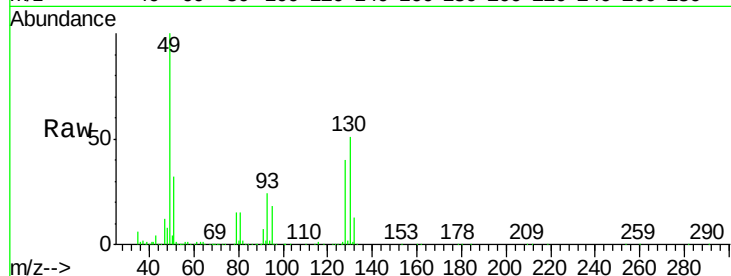
128 41.5 20.8 62.5

130 53.6 26.7 80.1

Manual Integrations
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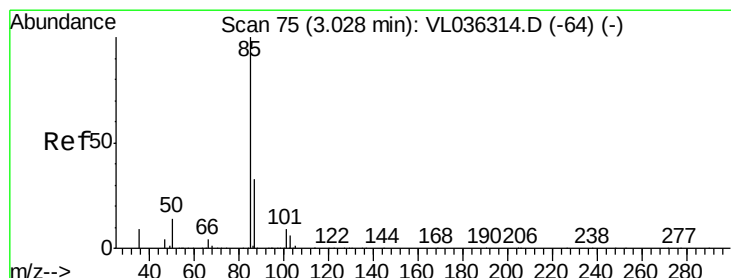
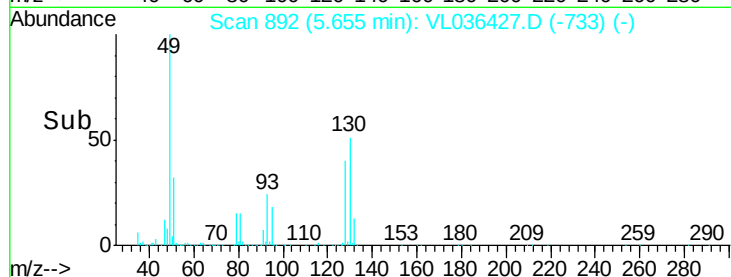
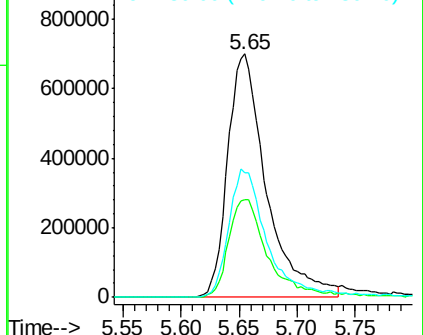
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.562 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036427.D

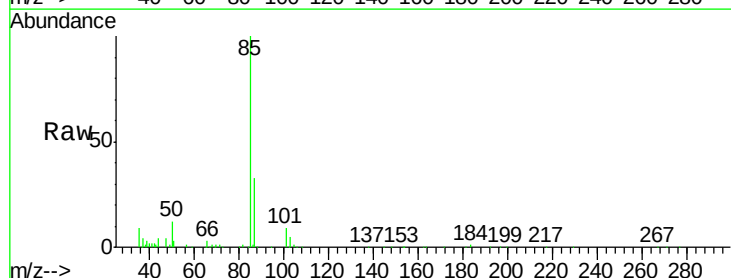
Acq: 2 Mar 2021 13:36

Tgt Ion: 85 Resp: 135976

Ion Ratio Lower Upper

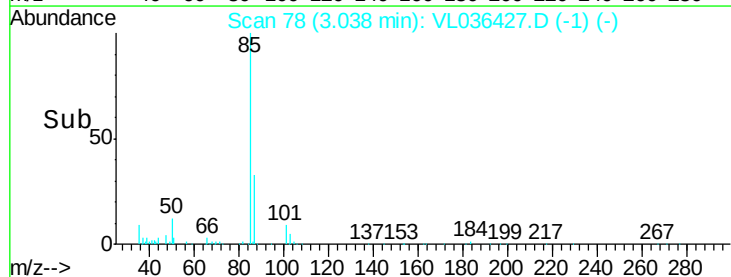
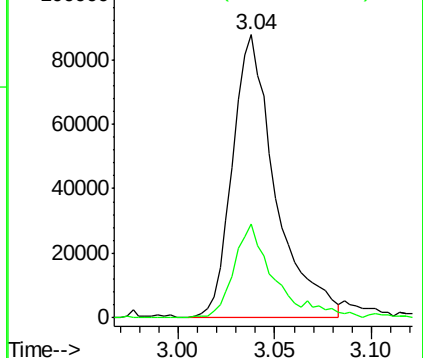
85 100

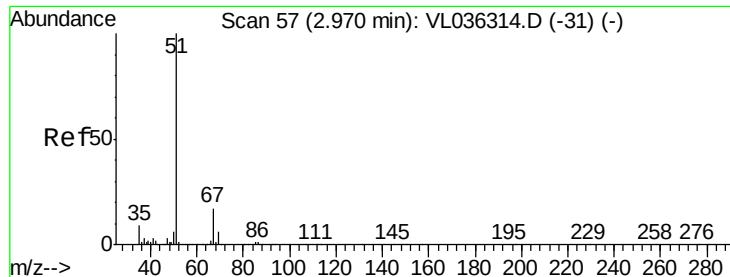
87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.521 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tot Ion: 51 Resp: 105031

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1

Instrument :

MSVOA_L

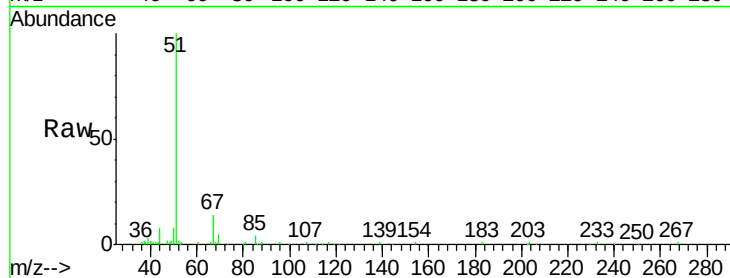
ClientSampleId :

MDL-AIR-01-QT1-2021

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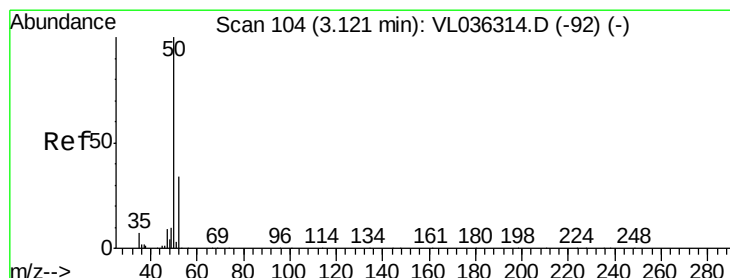
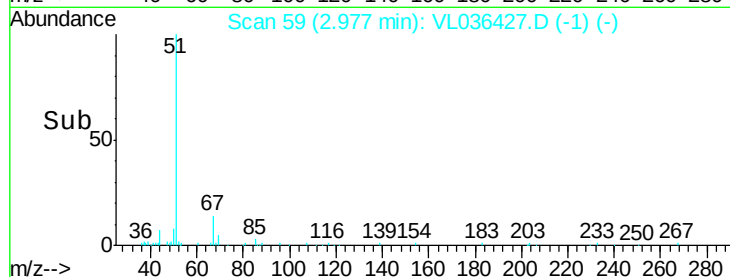
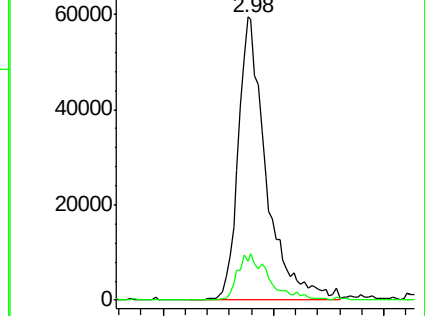
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.498 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL036427.D

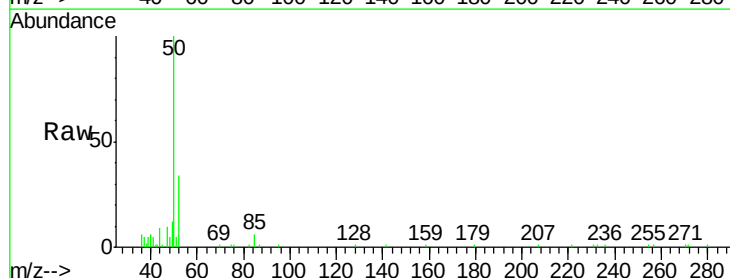
Acq: 2 Mar 2021 13:36

Tgt Ion: 50 Resp: 48465

Ion Ratio Lower Upper

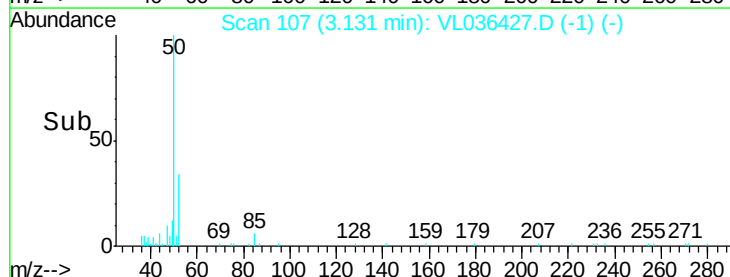
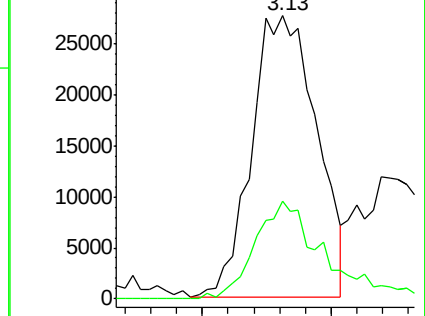
50 100

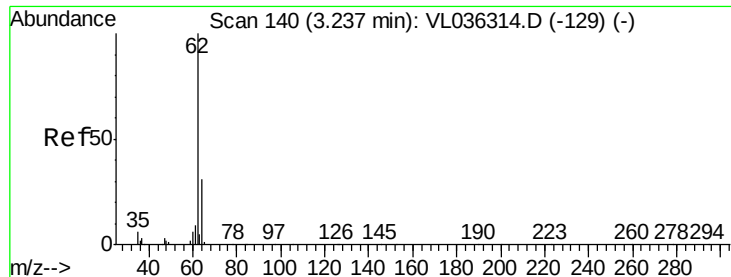
52 34.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.426 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 62 Resp: 38622

Ion Ratio Lower Upper

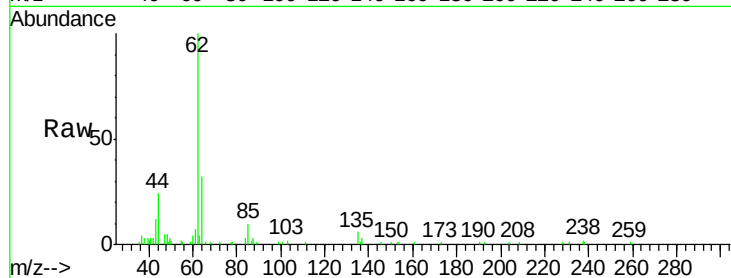
62 100

64 30.7 24.4 36.6

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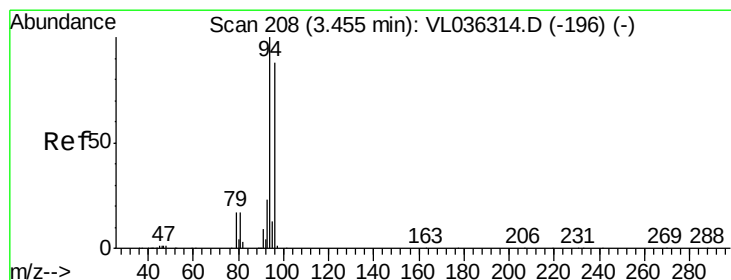
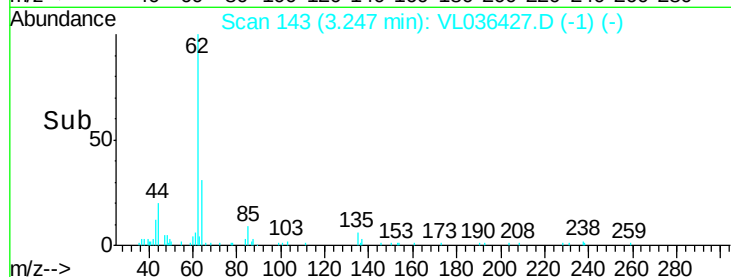
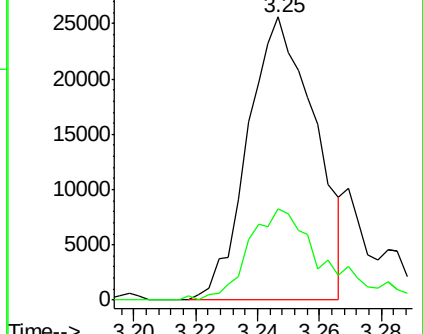
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.460 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL036427.D

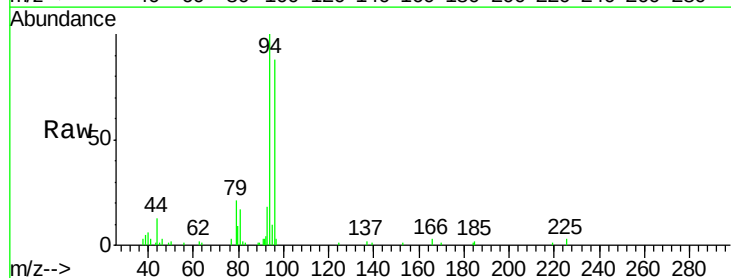
Acq: 2 Mar 2021 13:36

Tgt Ion: 94 Resp: 24815

Ion Ratio Lower Upper

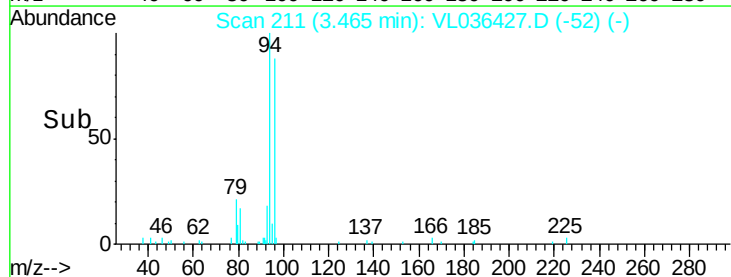
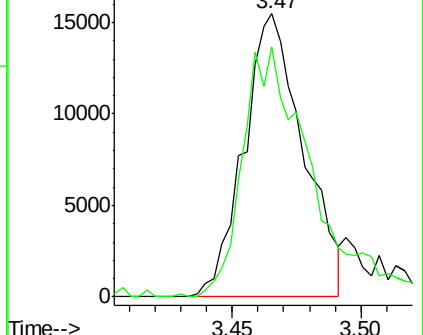
94 100

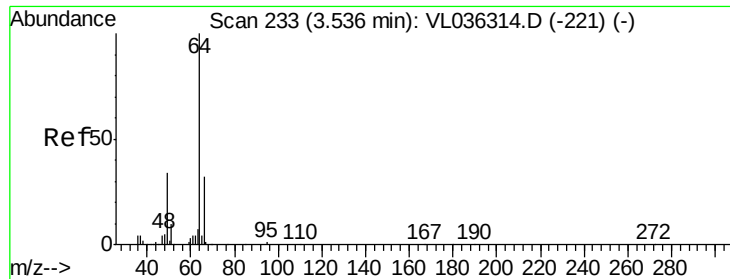
96 88.3 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.517 ppbv m

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tot Ion: 64 Resp: 16646

Ion Ratio Lower Upper

64 100

66 28.3 25.6 38.4

Instrument :

MSVOA_L

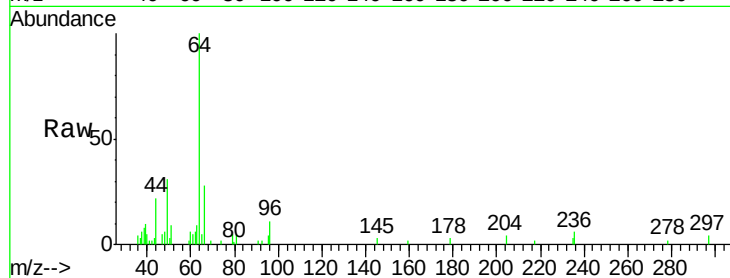
ClientSampleId :

MDL-AIR-01-QT1-2021

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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

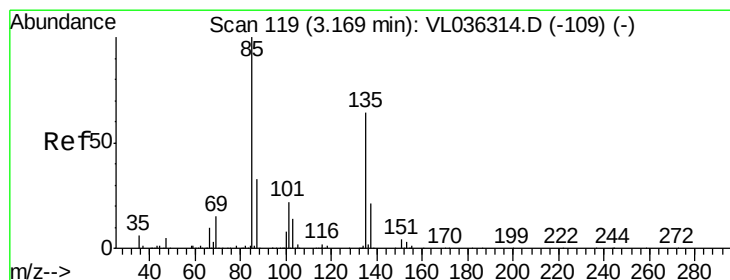
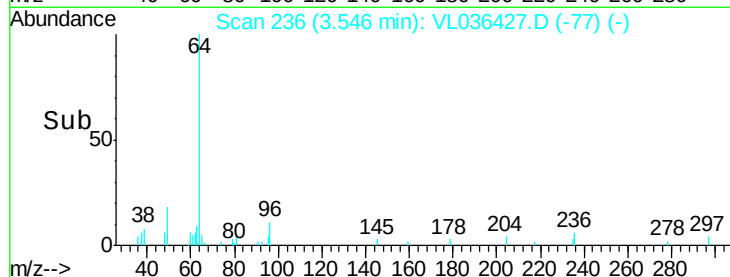
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.539 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036427.D

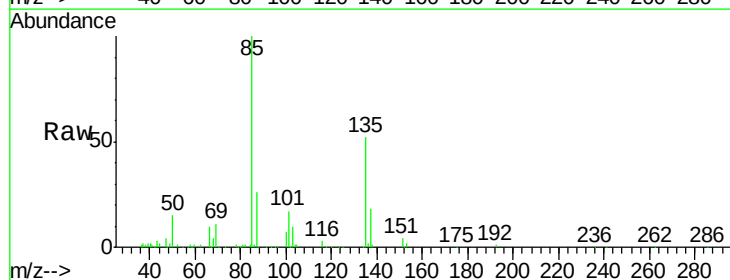
Acq: 2 Mar 2021 13:36

Tgt Ion: 85 Resp: 118585

Ion Ratio Lower Upper

85 100

135 66.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

80000

60000

40000

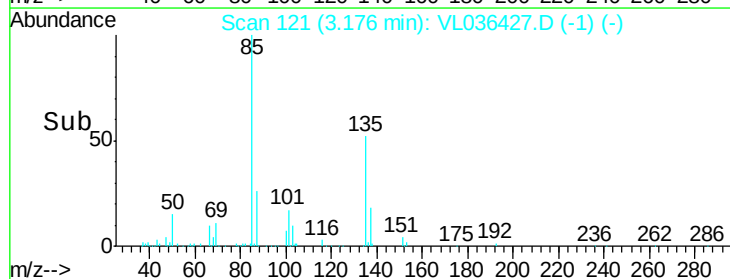
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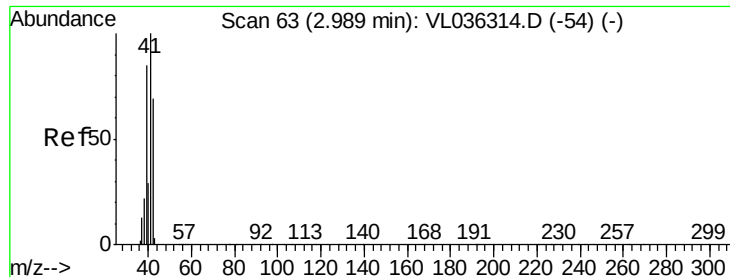
0

3.15

3.20

Time-->





#9

Propene

Concen: 0.183 ppbv m

RT: 3.29 min Scan# 157

Delta R.T. 0.30 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 41 Resp: 13725

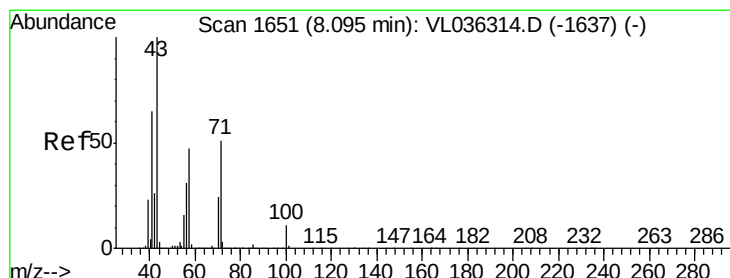
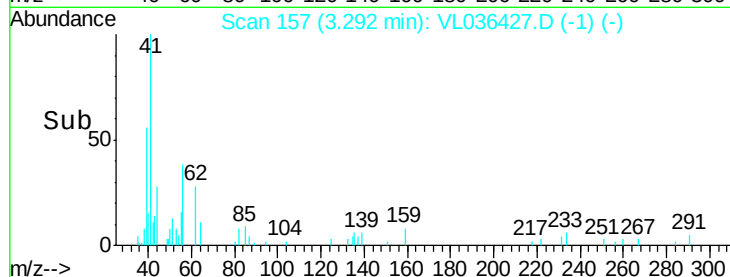
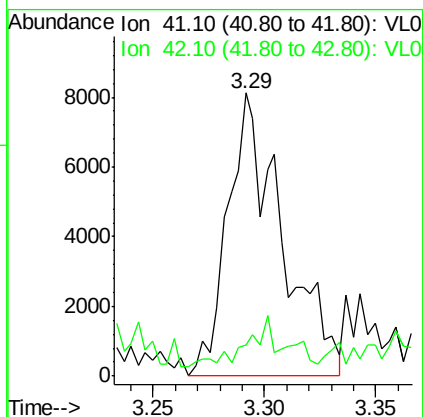
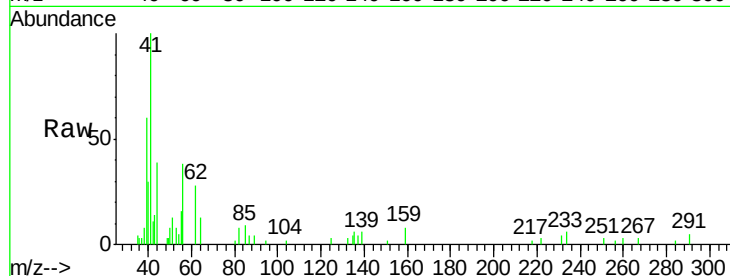
Ion Ratio Lower Upper

41 100

42 13.8 56.2 84.2#

Manual Integrations
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#10

Heptane

Concen: 0.409 ppbv m

RT: 8.11 min Scan# 1656

Delta R.T. 0.02 min

Lab File: VL036427.D

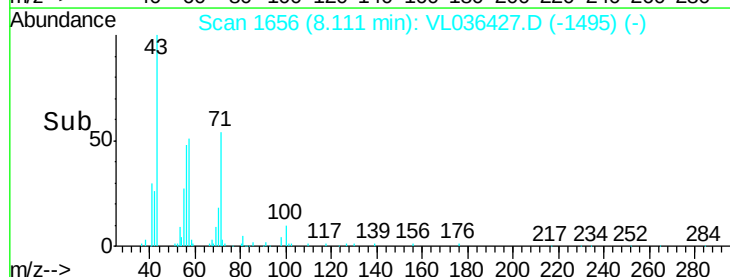
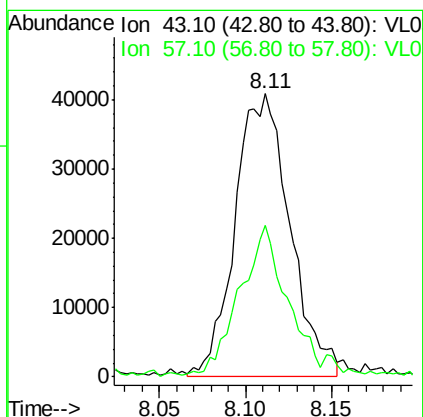
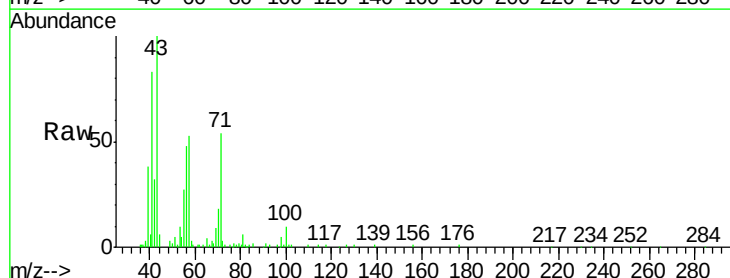
Acq: 2 Mar 2021 13:36

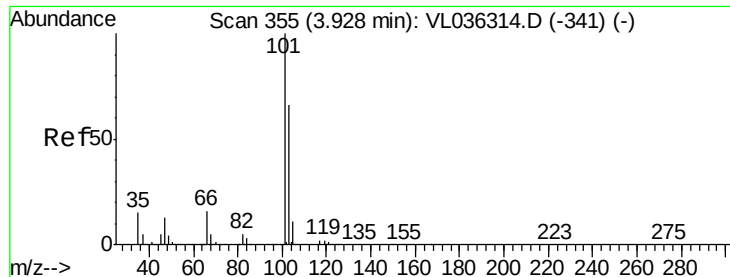
Tgt Ion: 43 Resp: 90537

Ion Ratio Lower Upper

43 100

57 49.9 39.4 59.2





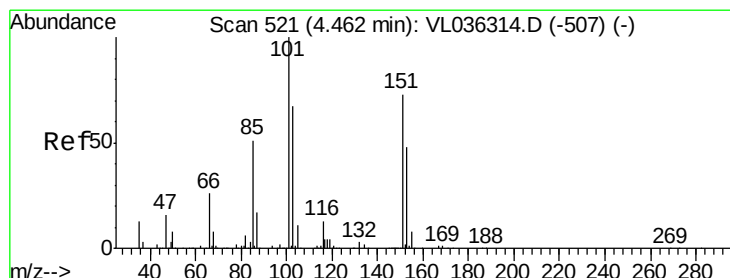
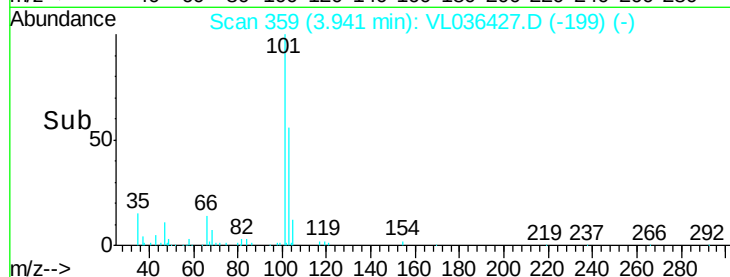
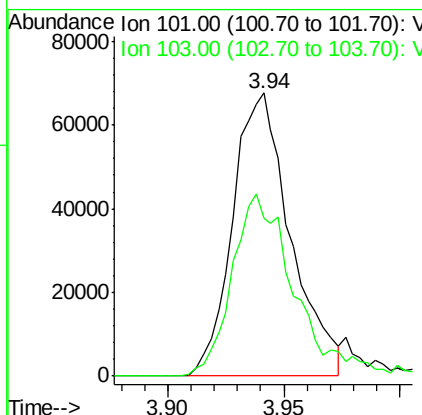
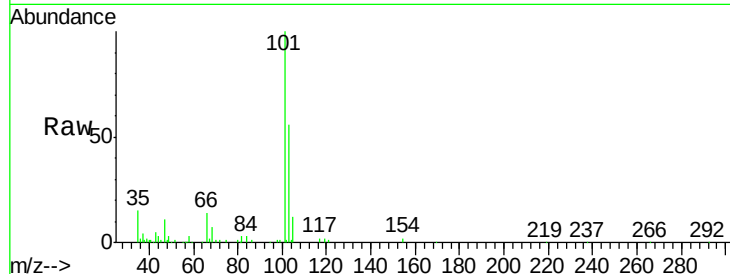
#11
 Trichlorofluoromethane
 Concen: 0.494 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.4	52.9	79.3

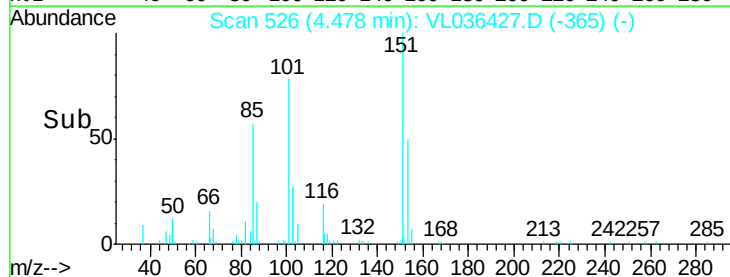
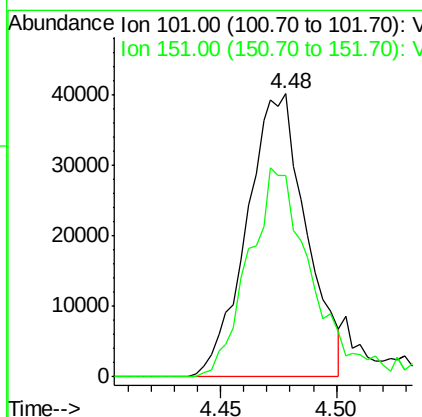
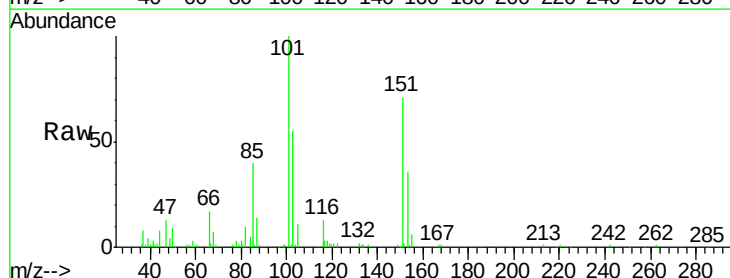
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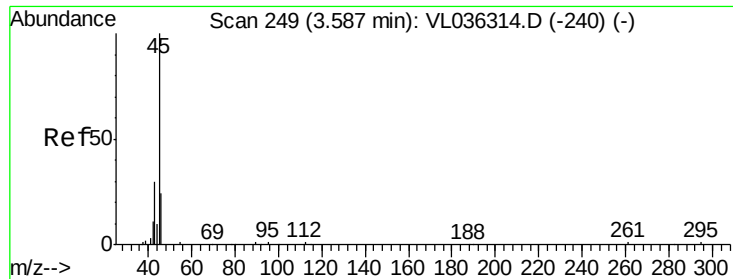
MMDadoda
 3/3/2021 1:52:29 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.488 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
101	100		
151	80.0	58.2	87.4





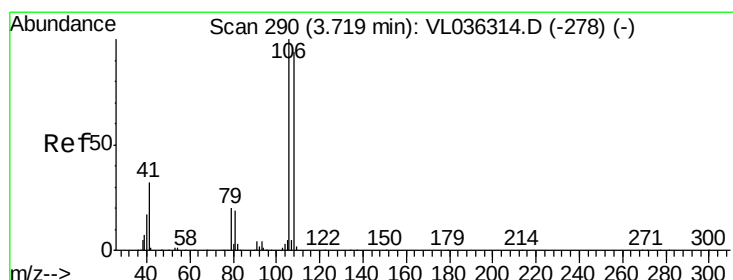
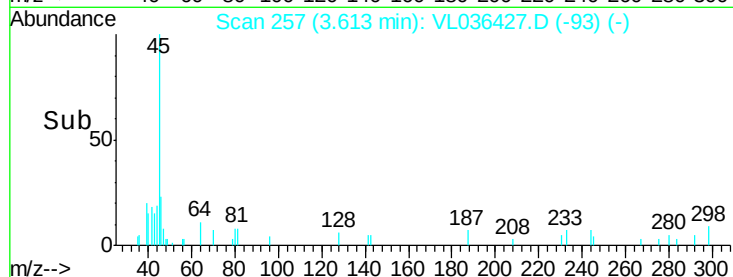
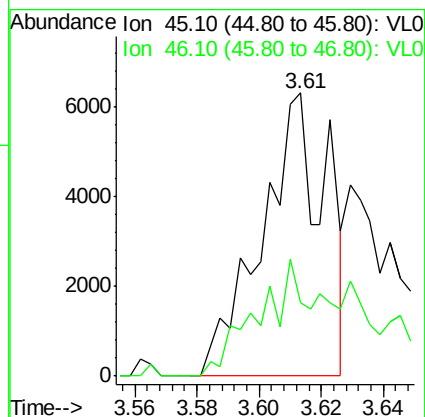
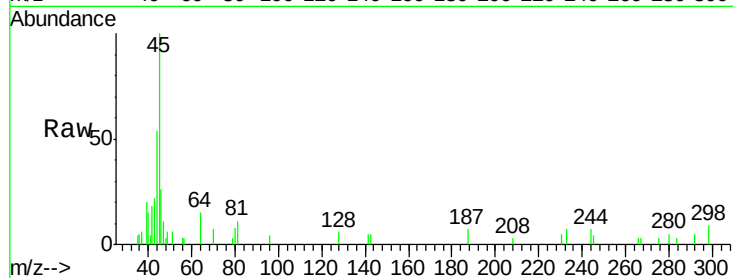
#13
Ethanol
Concen: 0.637 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion: 45 Resp: 8989
Ion Ratio Lower Upper
45 100
46 72.4 17.7 70.7#

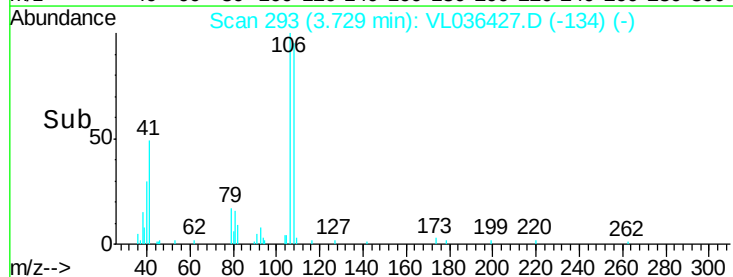
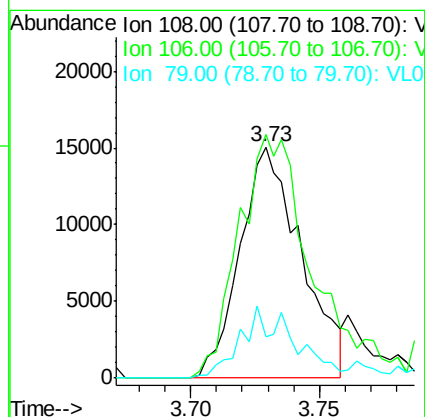
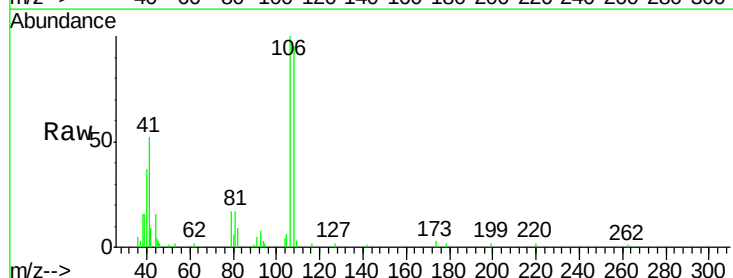
Manual Integrations
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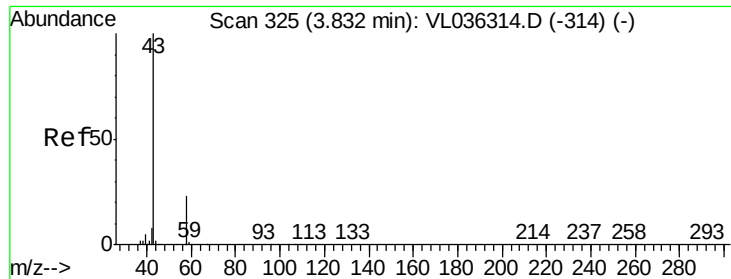
MMDadoda
3/3/2021 1:52:29 PM



#14
Bromoethene
Concen: 0.407 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 108 Resp: 24994
Ion Ratio Lower Upper
108 100
106 134.1 89.8 134.8
79 30.2 17.1 25.7#





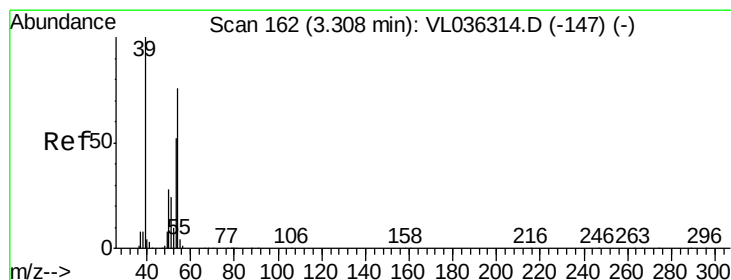
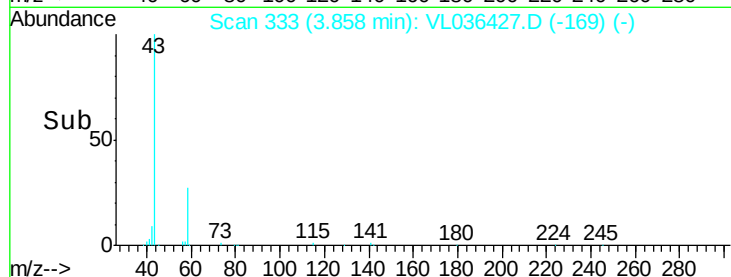
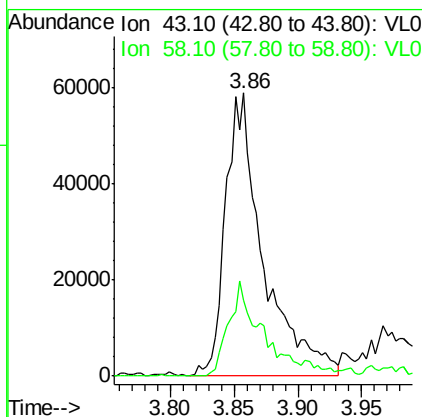
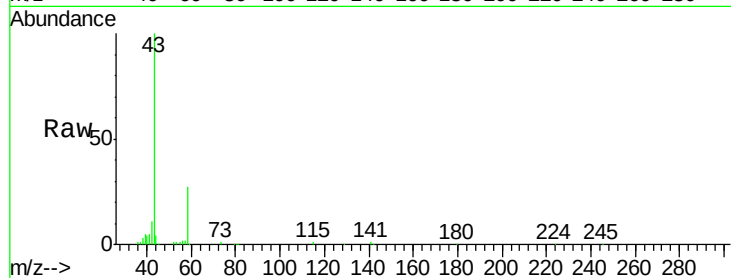
#15
Acetone
Concen: 0.615 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	43	Resp	121896
Ion Ratio	100	Lower	Upper
43	100		
58	32.1	20.3	30.5#

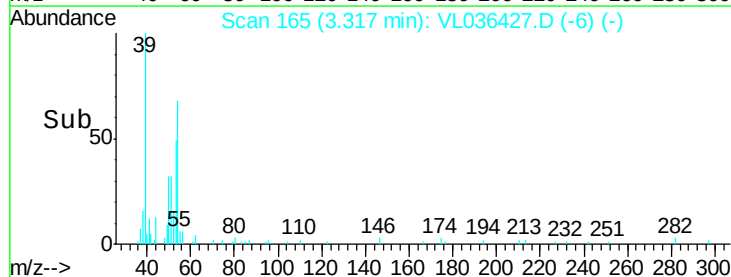
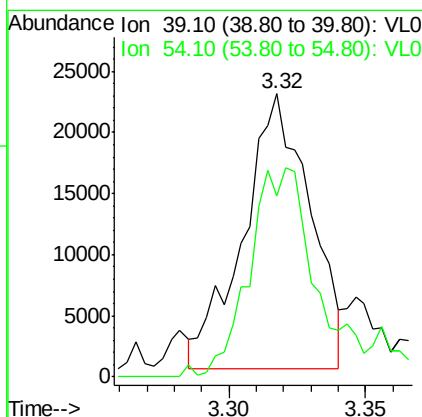
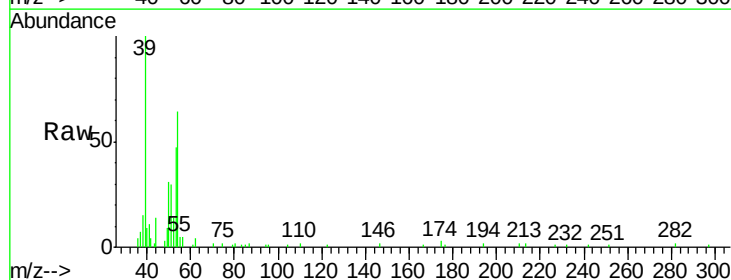
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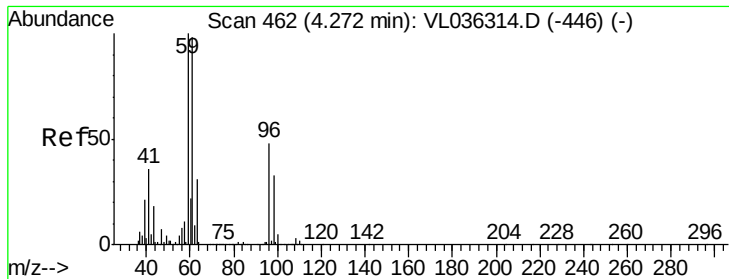
MMDadoda
3/3/2021 1:52:29 PM



#16
1,3-Butadiene
Concen: 0.403 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	39	Resp	38228
Ion Ratio	100	Lower	Upper
39	100		
54	85.8	64.4	96.6





#17

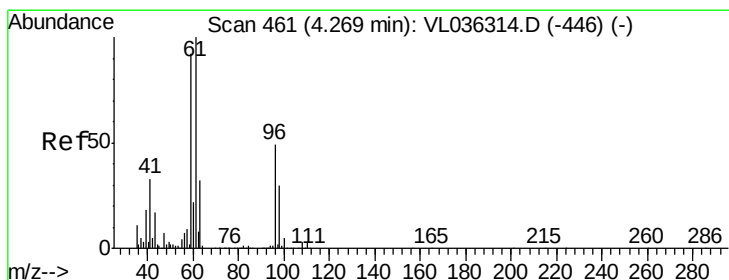
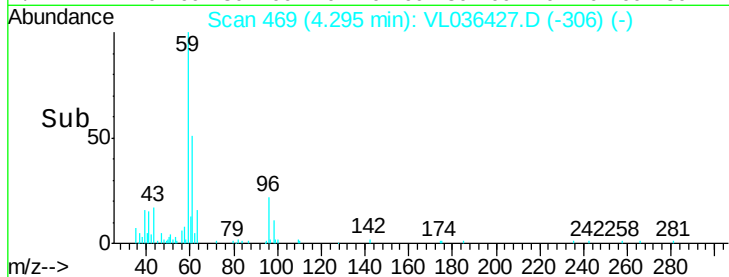
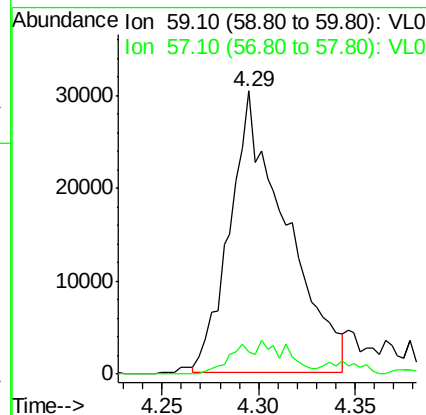
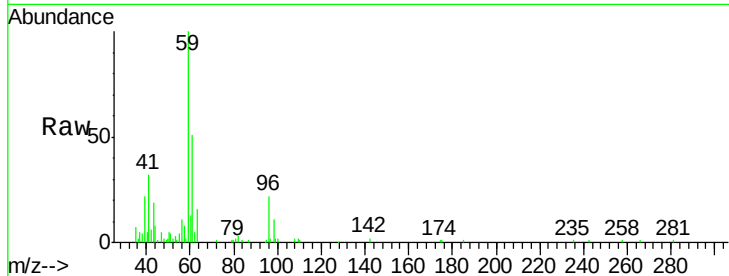
tert-Butyl alcohol
Concen: 0.395 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	59	Resp	60857
Ion Ratio	100	Lower	Upper
57	10.8	9.0	13.4

Manual Integrations
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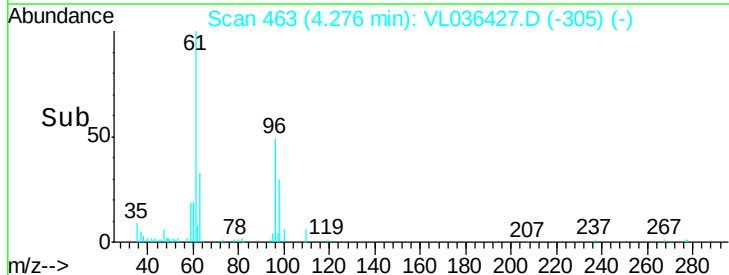
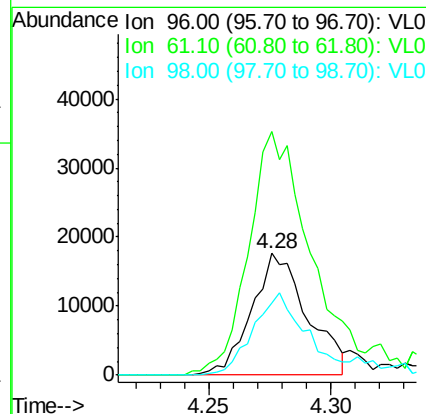
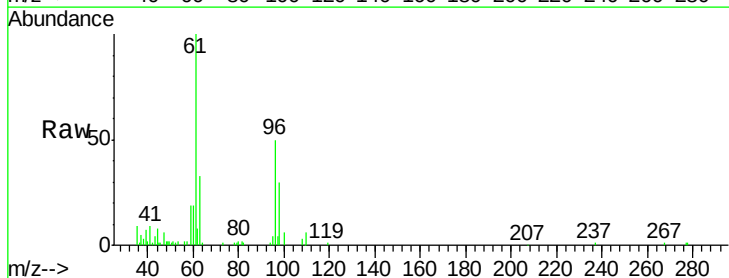
MMDadoda
3/3/2021 1:52:29 PM

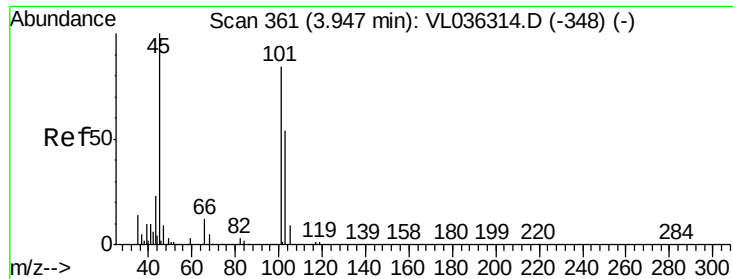


#18

1,1-Dichloroethene
Concen: 0.416 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	96	Resp	27794
Ion Ratio	100	Lower	Upper
61	196.5	162.5	243.7
98	59.2	48.5	72.7





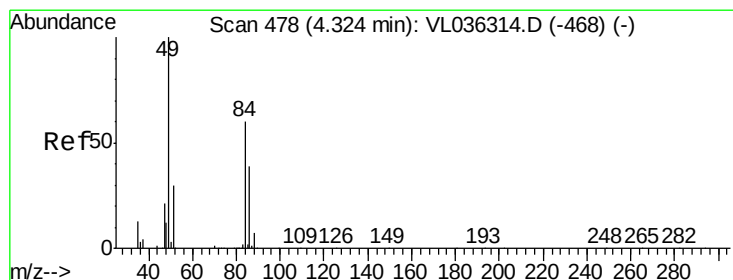
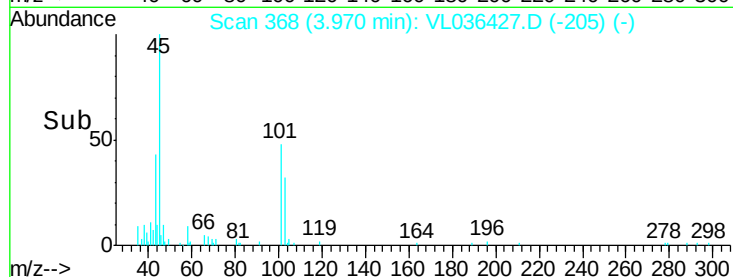
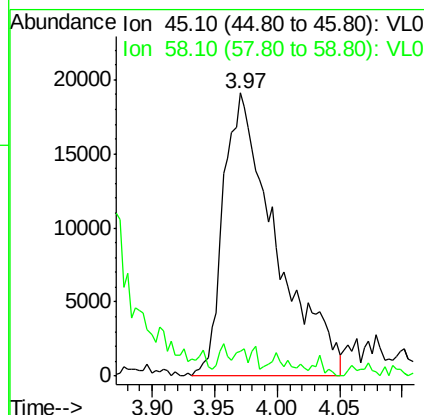
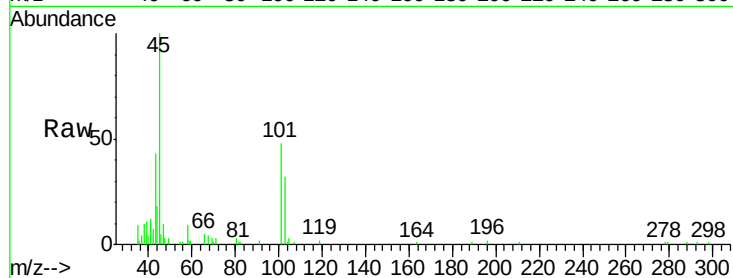
#19
Isopropyl Alcohol
Concen: 0.508 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion: 45 Resp: 55826
Ion Ratio Lower Upper
45 100
58 10.8 1.9 2.9#

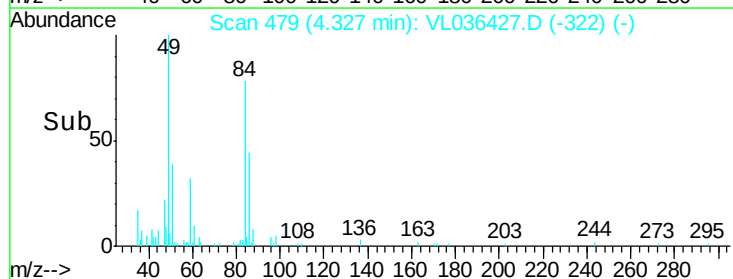
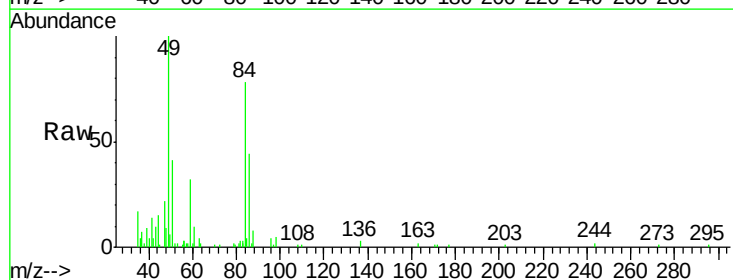
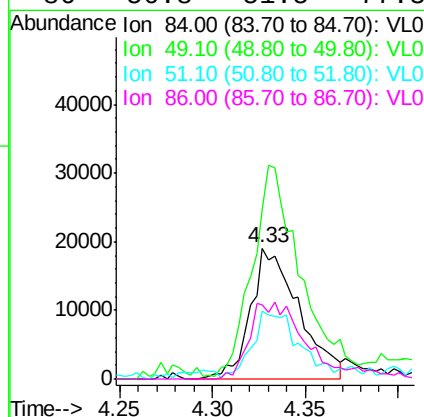
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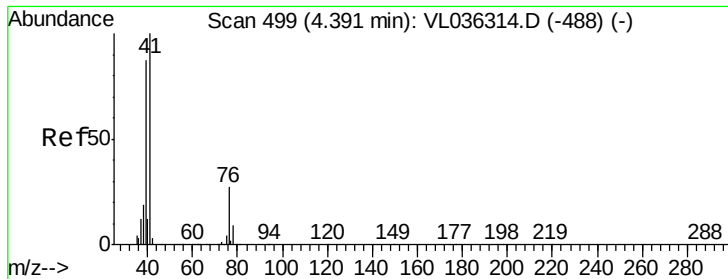
MMDadoda
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#20
Methylene Chloride
Concen: 0.539 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 84 Resp: 34454
Ion Ratio Lower Upper
84 100
49 125.9 133.8 200.8#
51 44.6 41.4 62.0
86 56.8 51.5 77.3





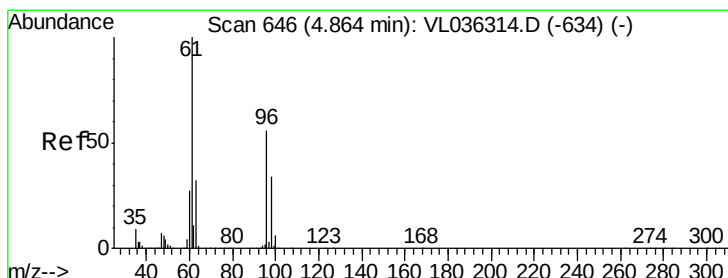
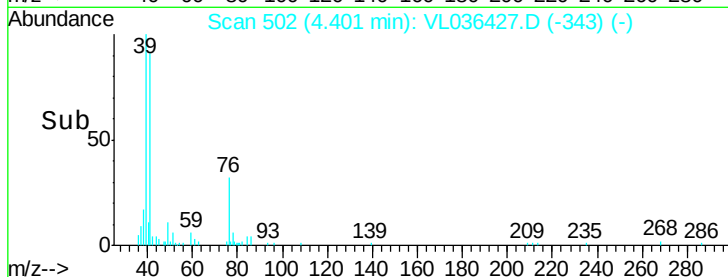
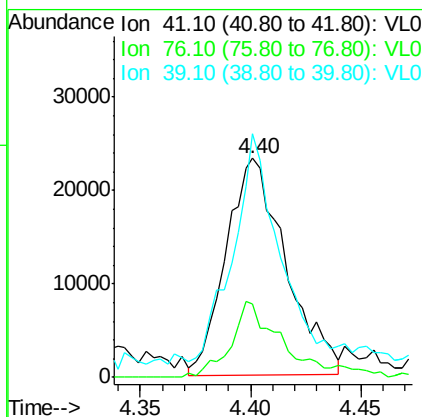
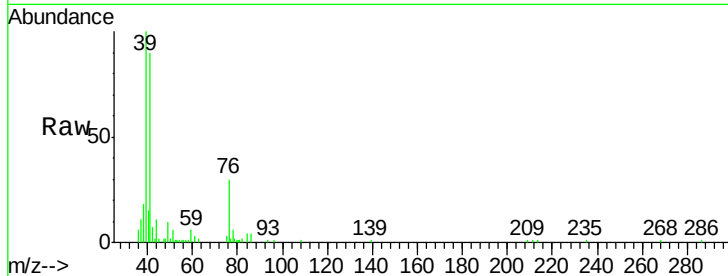
#21
Allvl Chloride
Concen: 0.398 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.6	22.0	33.0
39	97.5	70.2	105.2

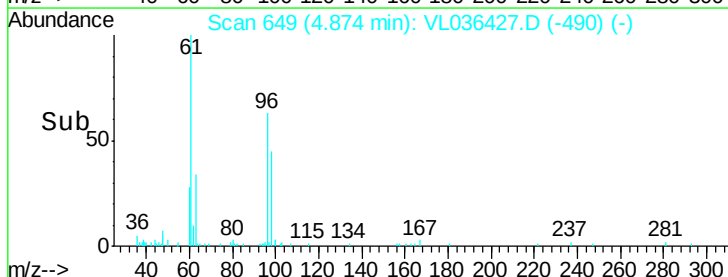
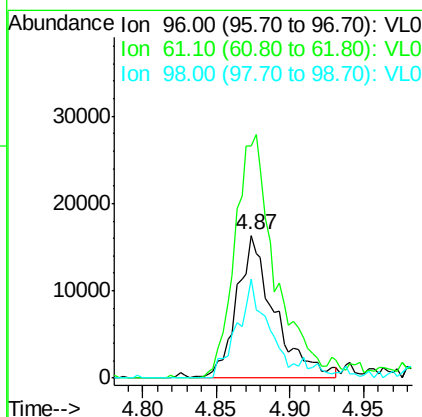
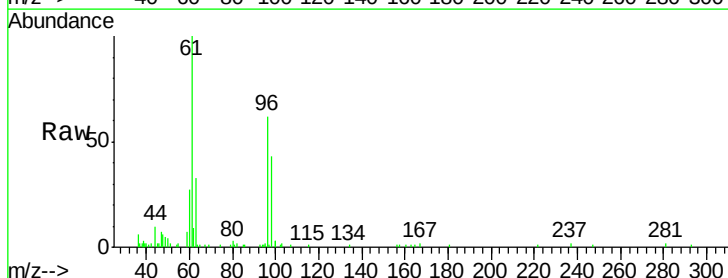
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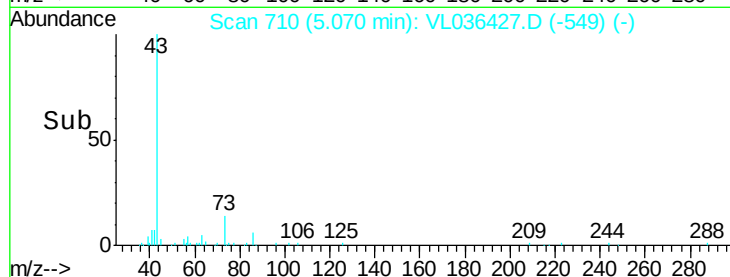
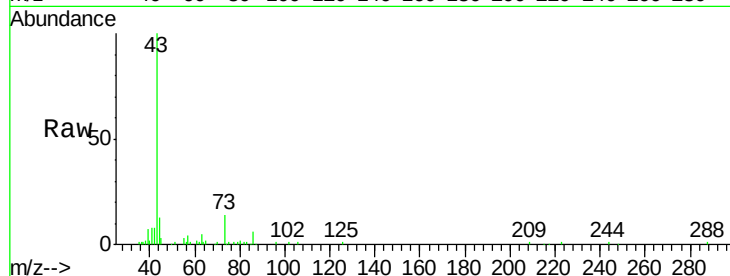
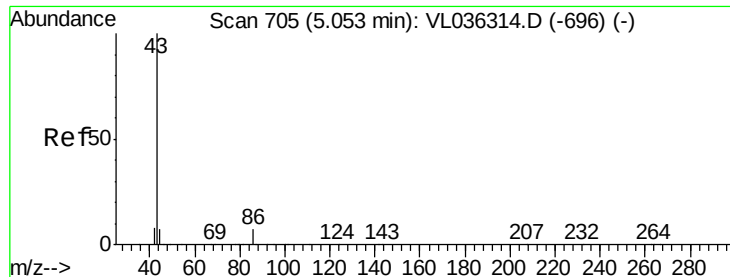
MMDadoda
3/3/2021 1:52:29 PM



#22
trans-1,2-Dichloroethene
Concen: 0.482 ppbv m
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	143.7	215.5
98	69.4	48.5	72.7





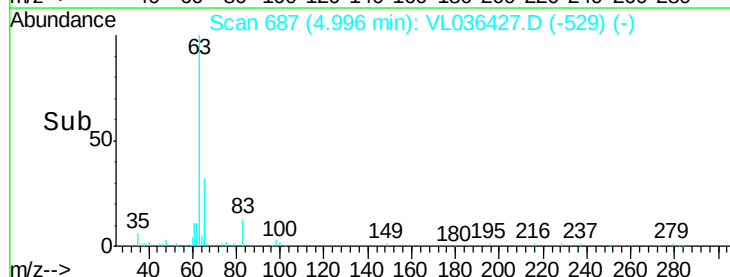
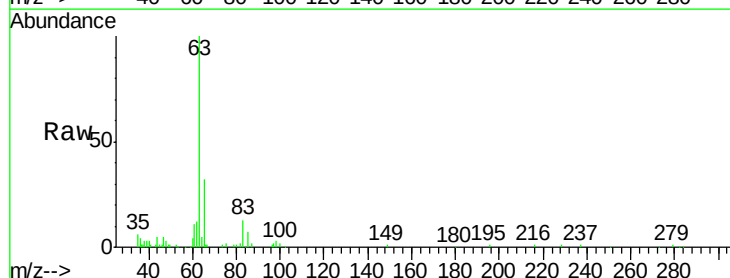
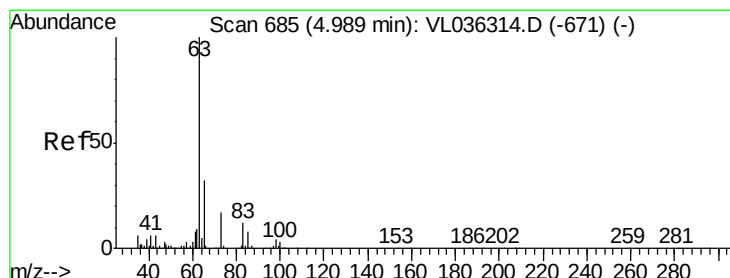
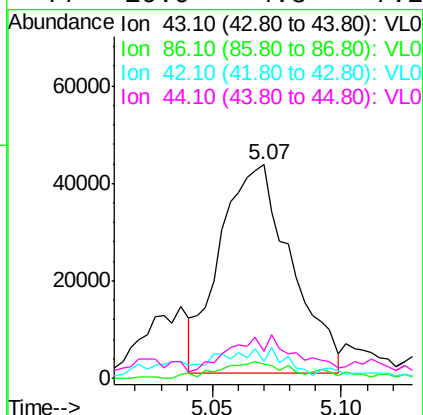
#23
 Vinyl Acetate
 Concen: 0.353 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tot Ion	43	Resp	82388
Ion Ratio	Lower	Upper	
43	100		
86	5.9	4.8	7.2
42	5.0	7.4	11.0#
44	10.9	4.8	7.2#

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

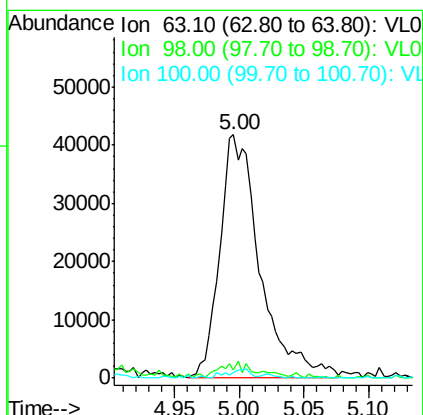
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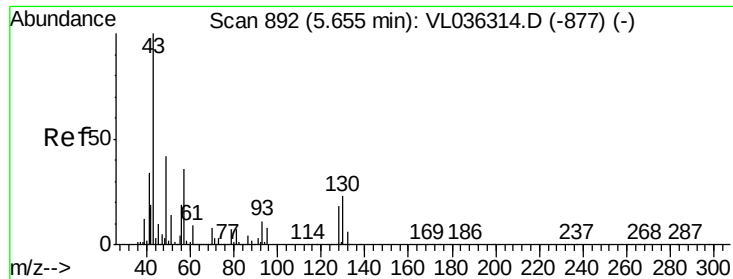
MMDadoda
 3/3/2021 1:52:29 PM



#24
 1,1-Dichloroethane
 Concen: 0.522 ppbv m
 RT: 5.00 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion	63	Resp	90043
Ion Ratio	Lower	Upper	
63	100		
98	3.1	2.0	6.0
100	2.4	1.5	4.4





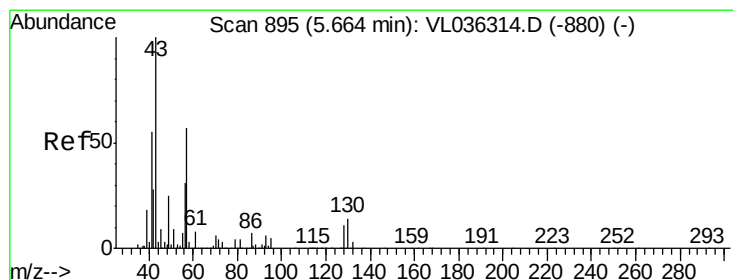
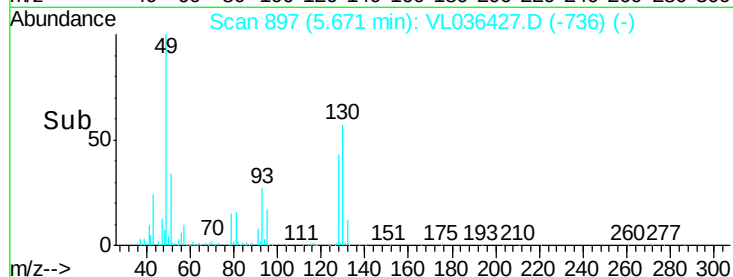
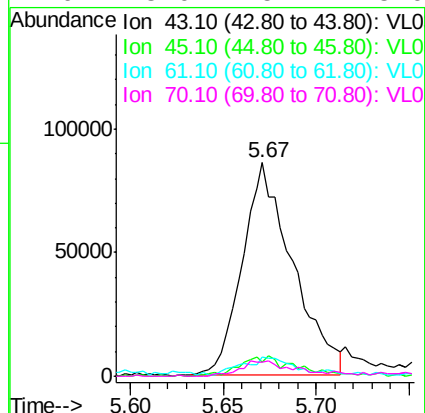
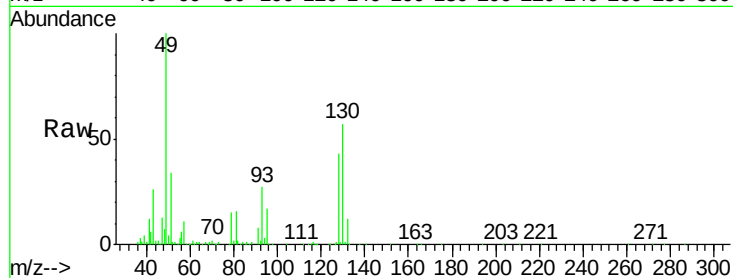
#25
Ethyl Acetate
Concen: 0.425 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	43	Resp	162548
Ion Ratio	Lower	Upper	
43	100		
45	10.9	8.3	12.5
61	10.1	7.3	10.9
70	8.0	5.4	8.0

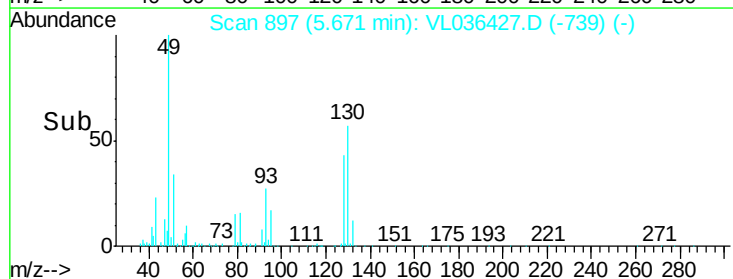
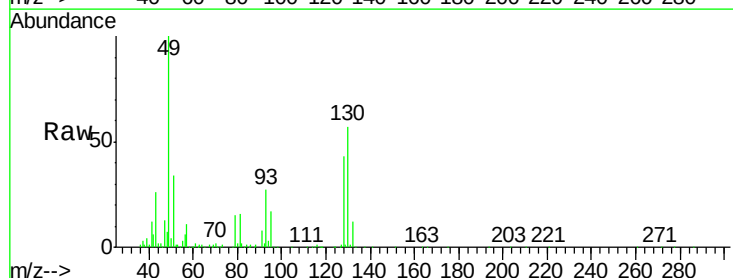
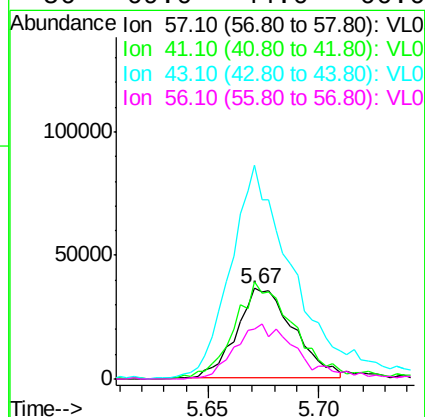
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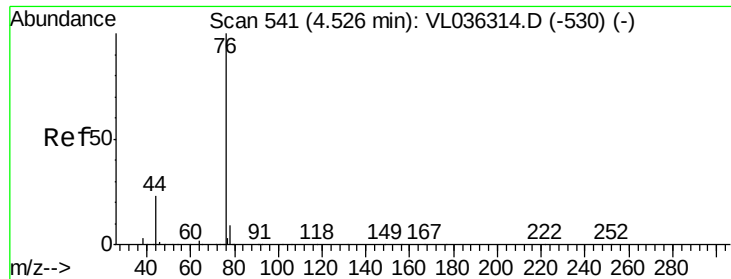
MMDadoda
3/3/2021 1:52:29 PM



#26
Hexane
Concen: 0.415 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	57	Resp	65224
Ion Ratio	Lower	Upper	
57	100		
41	119.9	81.7	122.5
43	278.3	199.1	298.7
56	69.0	44.0	66.0#





#27

Carbon Disulfide

Concen: 0.369 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

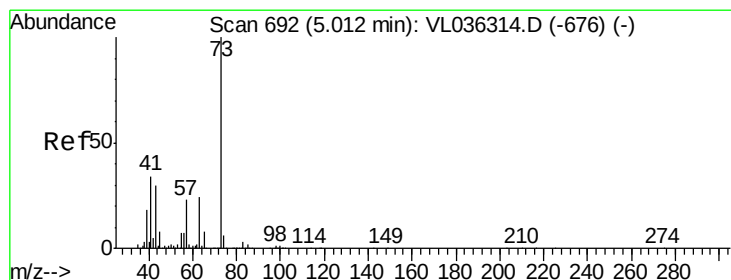
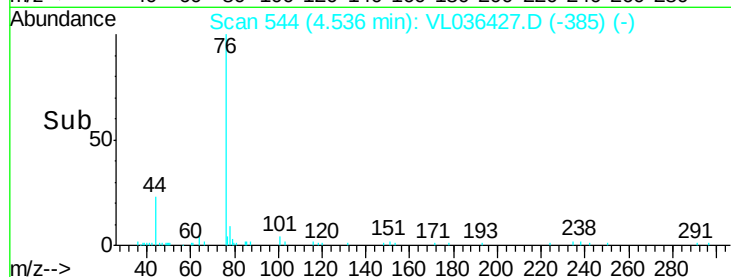
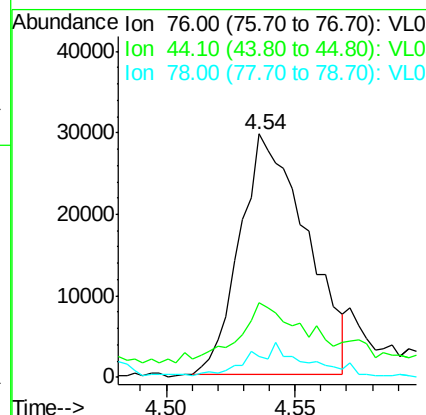
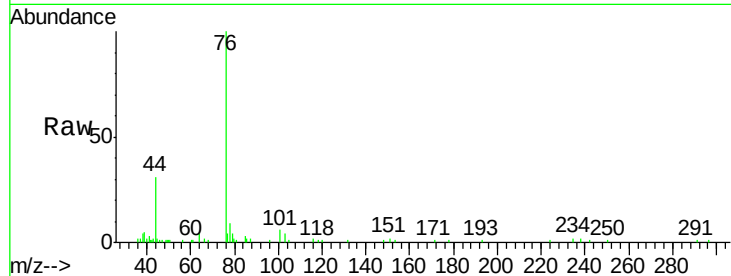
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	76	Resp:	53328
Ion Ratio	Lower	Upper	
76	100		
44	39.0	18.4	27.6#
78	13.0	8.0	12.0#

Manual Integrations
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3/3/2021 1:52:29 PM



#28

Methyl tert-Butyl Ether

Concen: 0.426 ppbv m

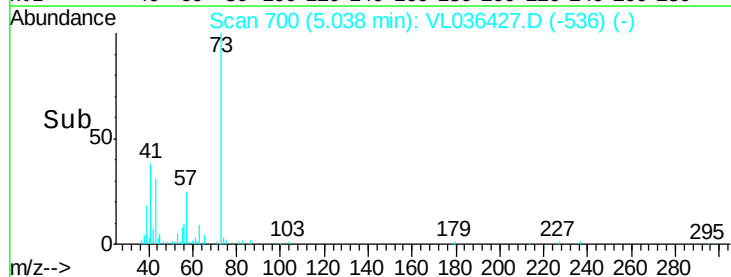
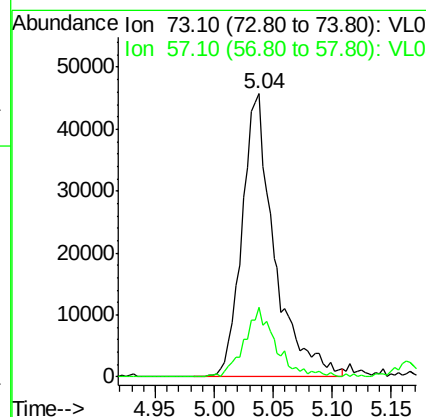
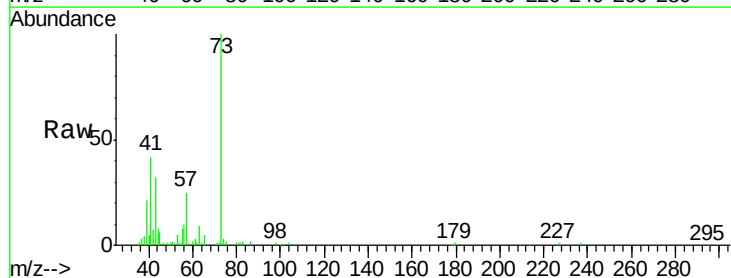
RT: 5.04 min Scan# 700

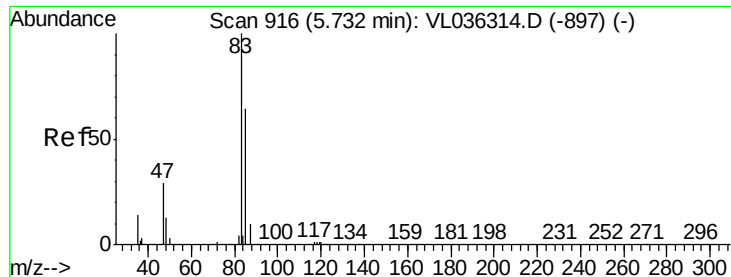
Delta R.T. 0.03 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	73	Resp:	87568
Ion Ratio	Lower	Upper	
73	100		
57	23.8	19.2	28.8





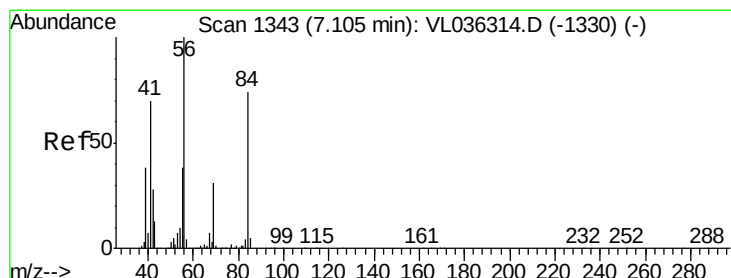
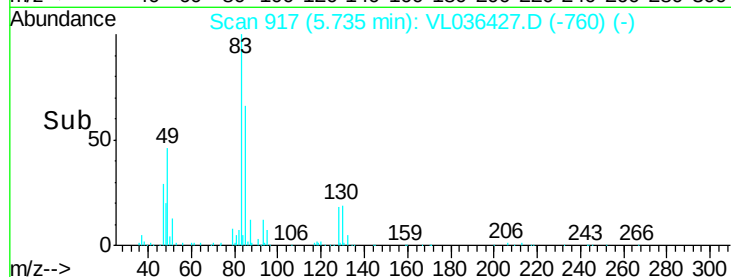
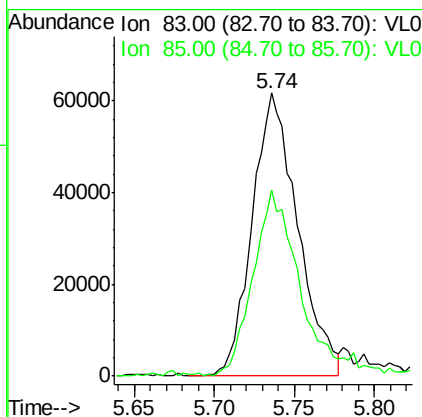
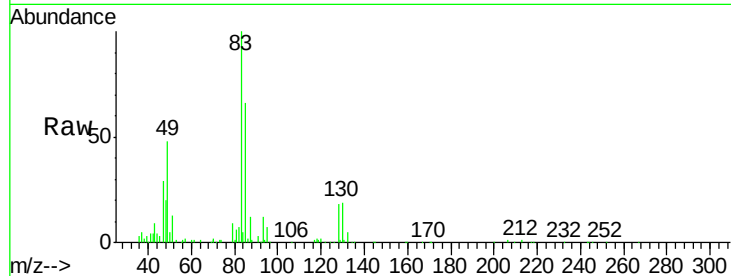
#29
Chloroform
Concen: 0.480 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2

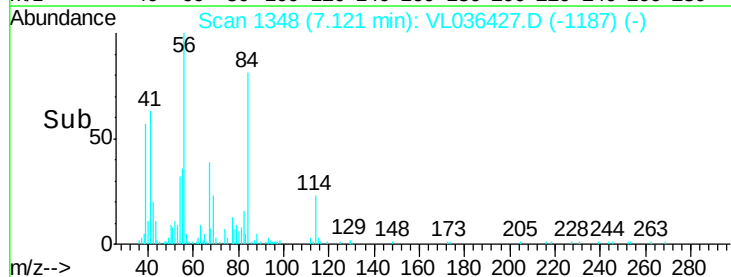
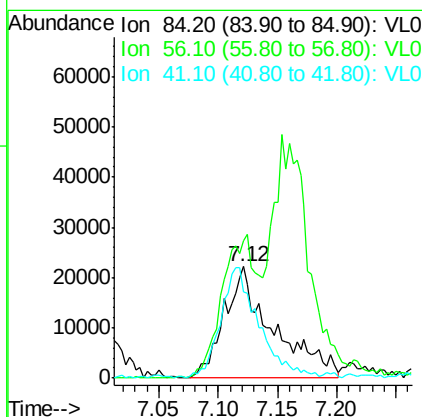
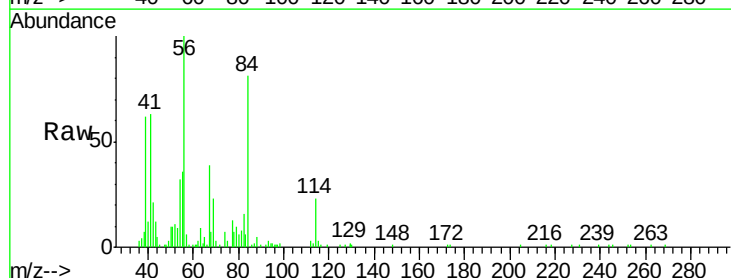
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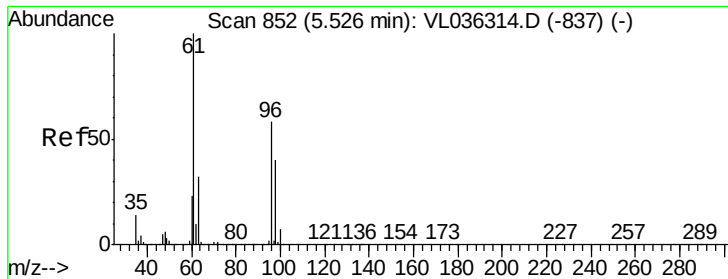
MMDadoda
3/3/2021 1:52:29 PM



#30
Cyclohexane
Concen: 0.482 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	120.2	180.4#
41	80.5	79.7	119.5





#31

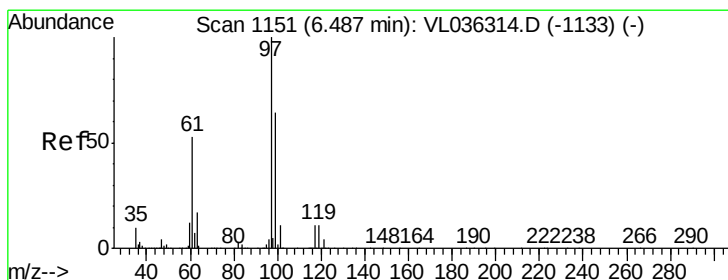
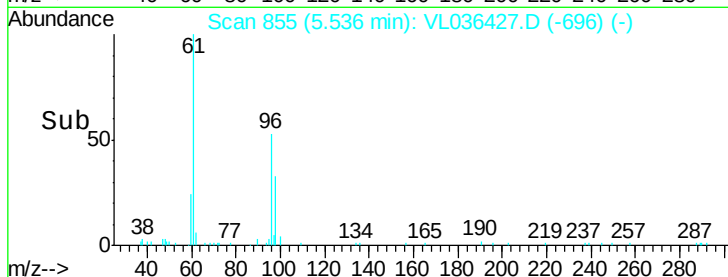
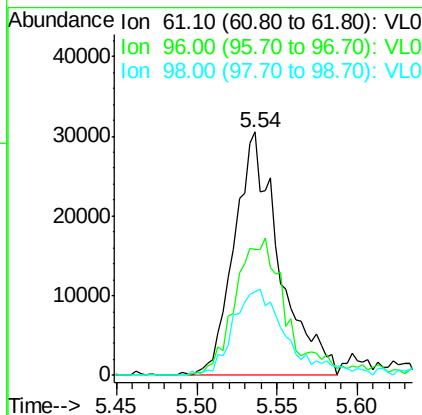
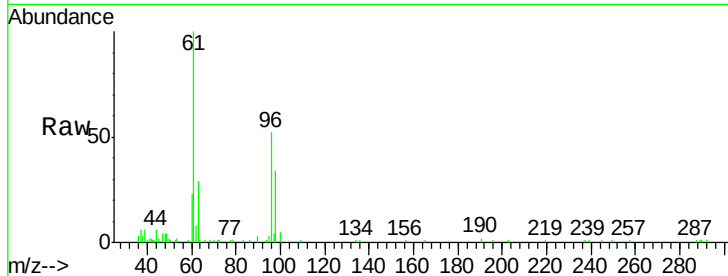
cis-1,2-Dichloroethene
Concen: 0.379 ppbv m
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
61	100		
96	51.6	46.0	69.0
98	34.4	31.9	47.9

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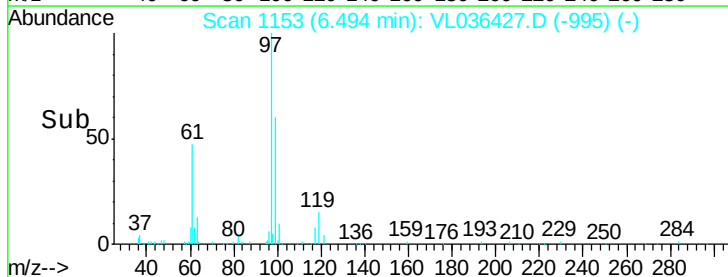
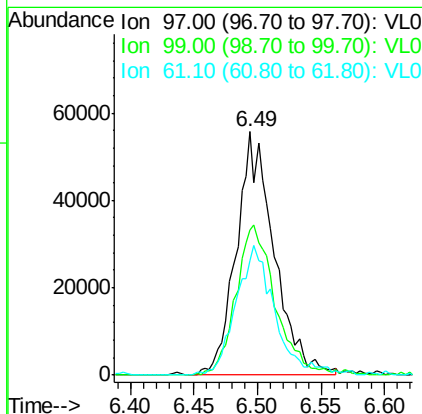
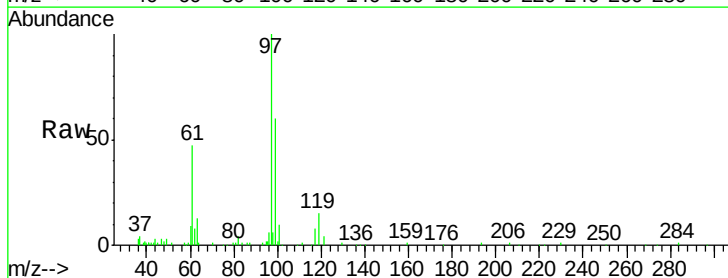
MMDadoda
3/3/2021 1:52:29 PM

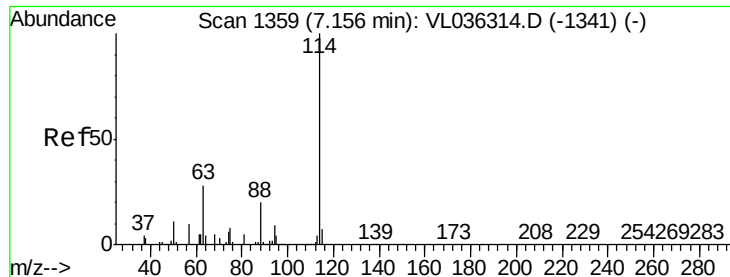


#32

1,1,1-Trichloroethane
Concen: 0.484 ppbv m
RT: 6.49 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.4
61	55.4	43.3	64.9





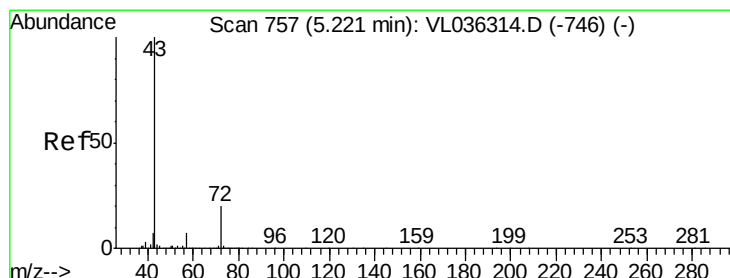
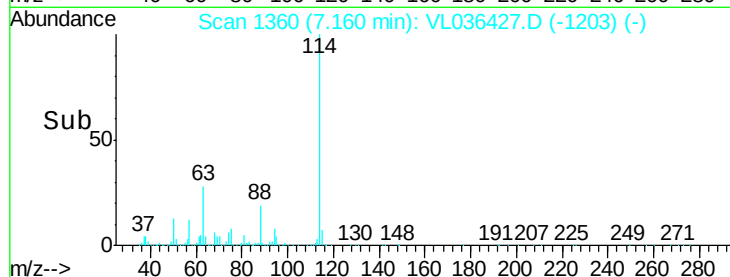
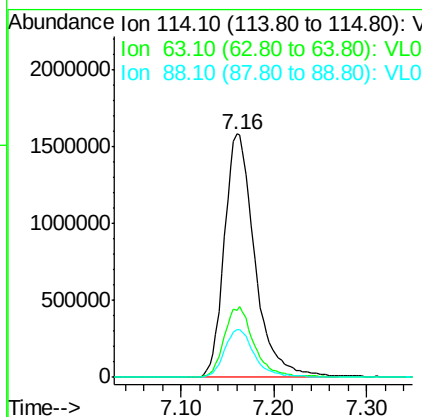
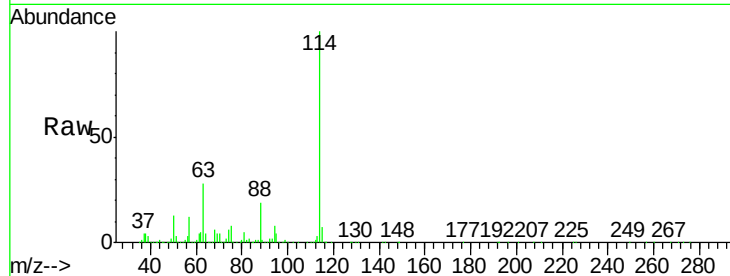
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion:114 Resp: 3612568
 Ion Ratio Lower Upper
 114 100
 63 28.6 24.1 36.1
 88 19.3 16.0 24.0

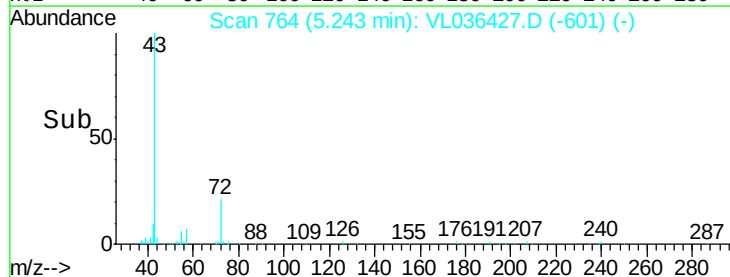
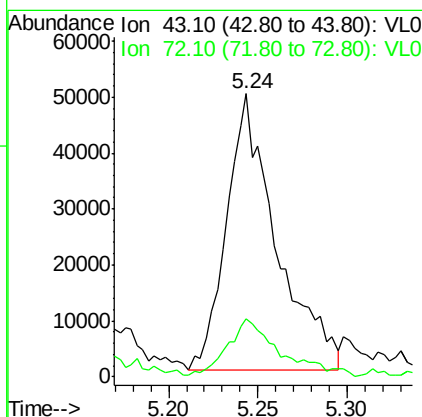
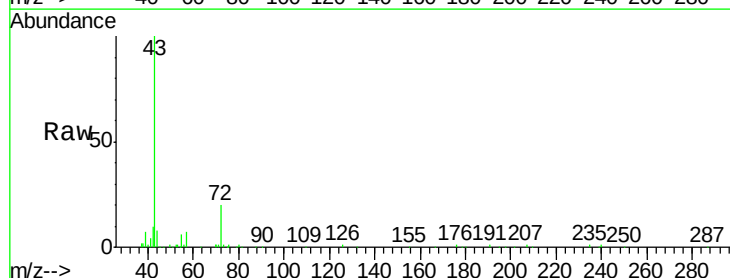
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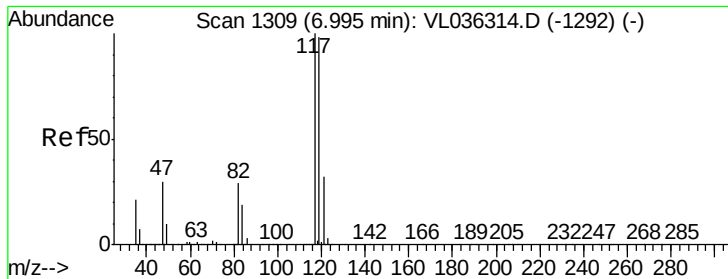
MMDadoda
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#34
 2-Butanone
 Concen: 0.400 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion: 43 Resp: 95996
 Ion Ratio Lower Upper
 43 100
 72 24.8 16.7 25.1





#35

Carbon Tetrachloride

Concen: 0.461 ppbv m

RT: 7.00 min Scan# 1311

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

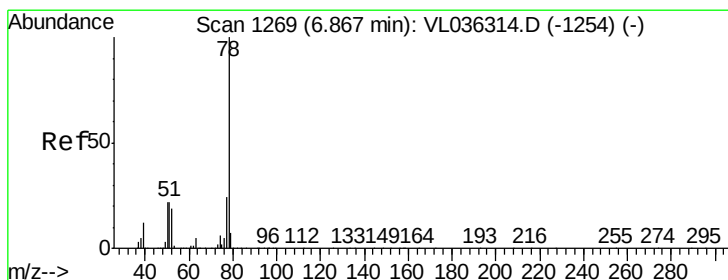
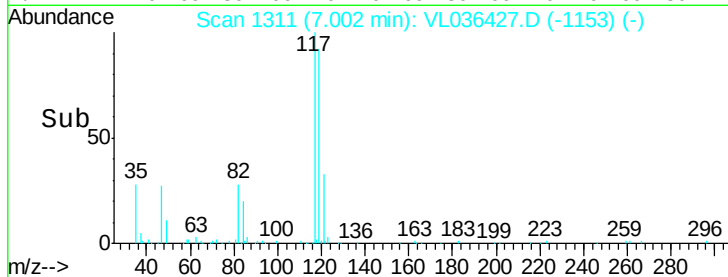
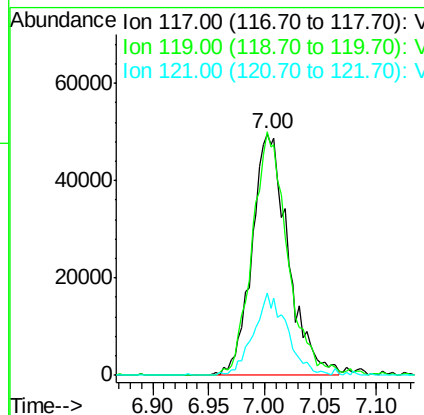
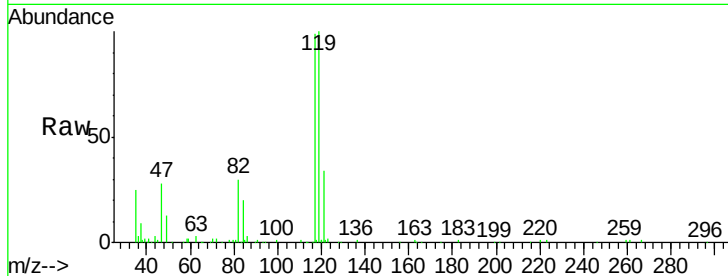
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	117	Resp:	111621
Ion Ratio	Lower	Upper	
117	100		
119	101.0	78.1	117.1
121	34.3	25.8	38.8

Manual Integrations
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3/3/2021 1:52:29 PM



#36

Benzene

Concen: 0.415 ppbv

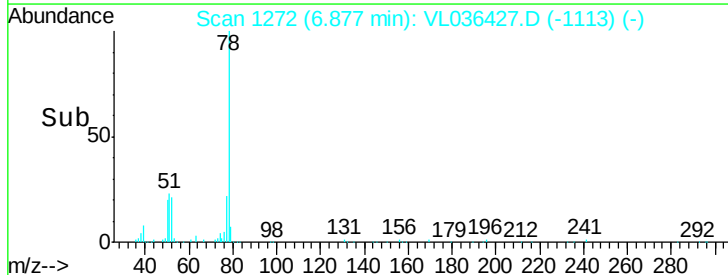
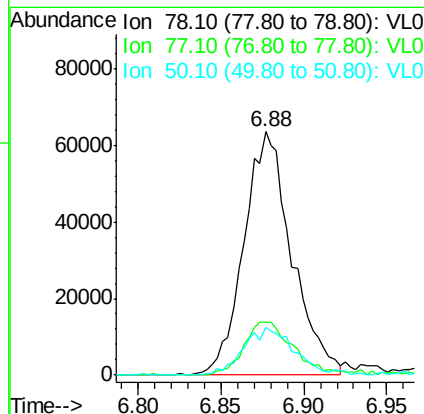
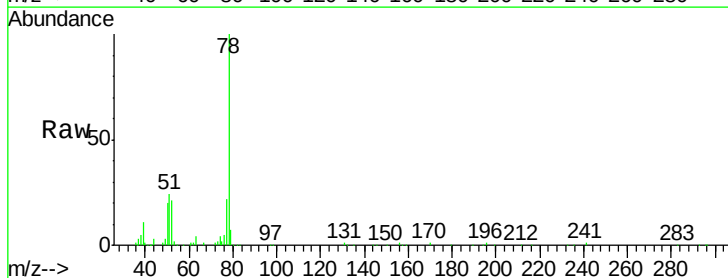
RT: 6.88 min Scan# 1272

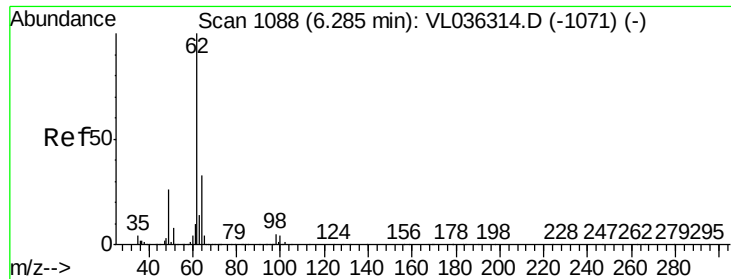
Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	78	Resp:	127401
Ion Ratio	Lower	Upper	
78	100		
77	21.8	18.9	28.3
50	19.7	17.3	25.9





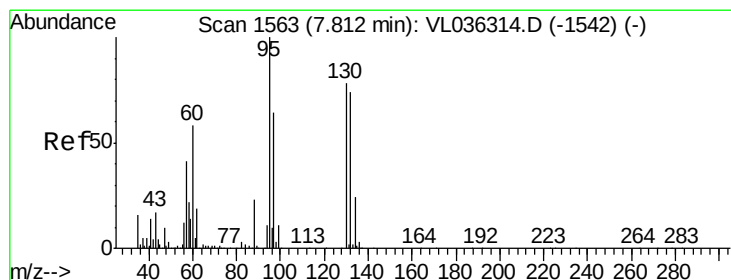
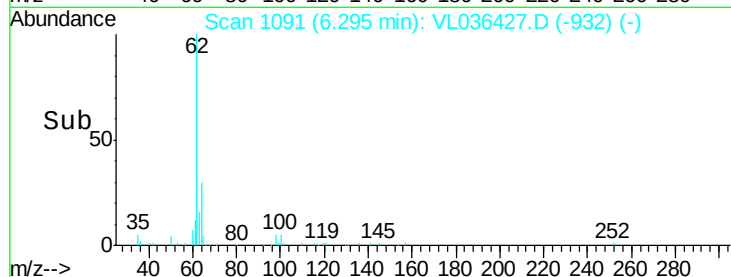
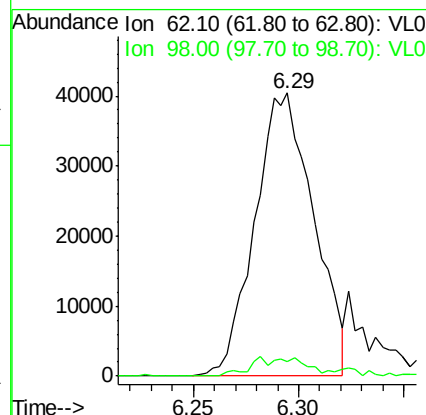
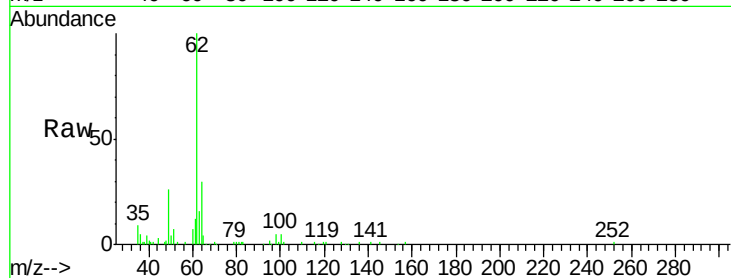
#37
 1,2-Dichloroethane
 Concen: 0.413 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.5	4.5	6.7#

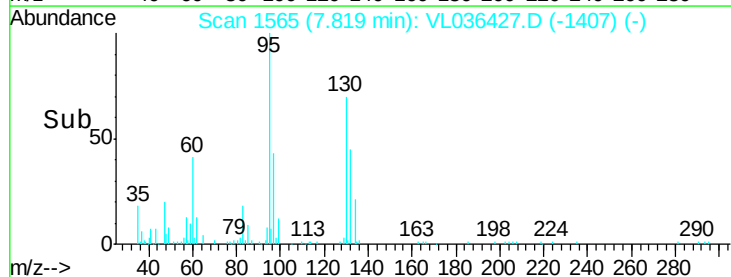
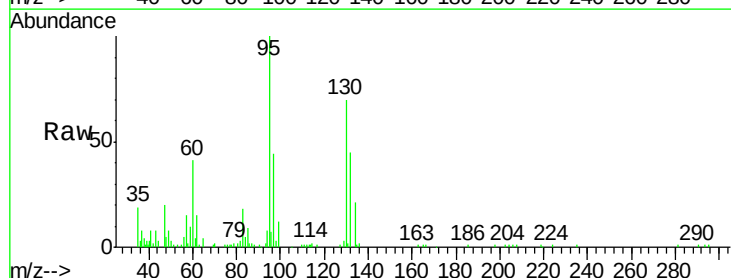
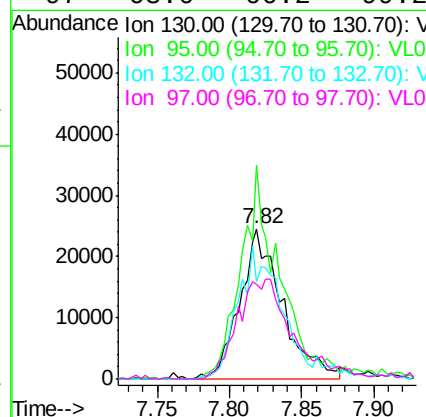
Manual Integrations
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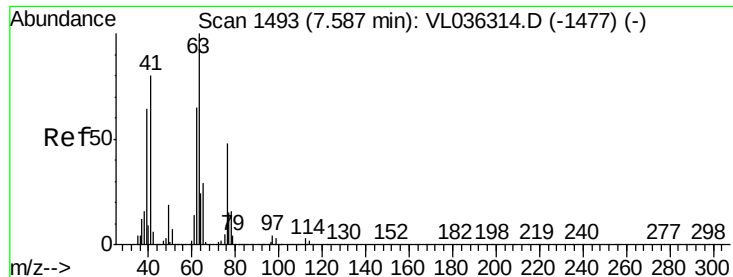
MMDadoda
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#38
 Trichloroethene
 Concen: 0.456 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	142.5	102.8	154.2
132	64.5	75.7	113.5#
97	63.0	66.2	99.2#





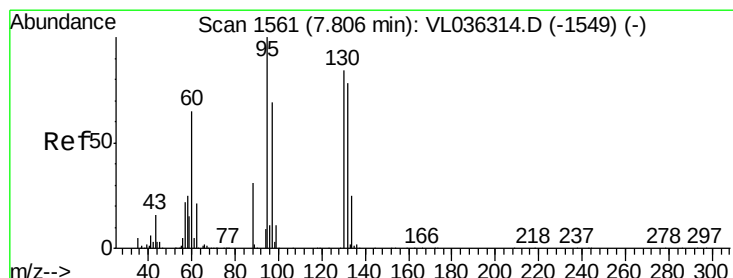
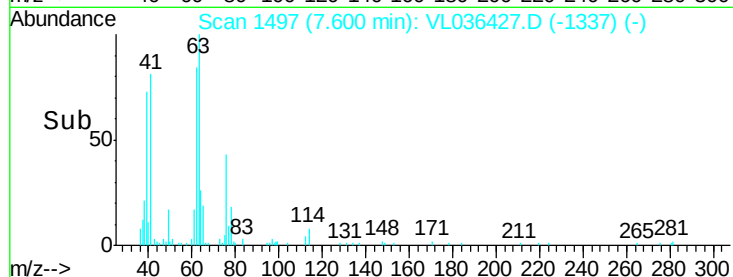
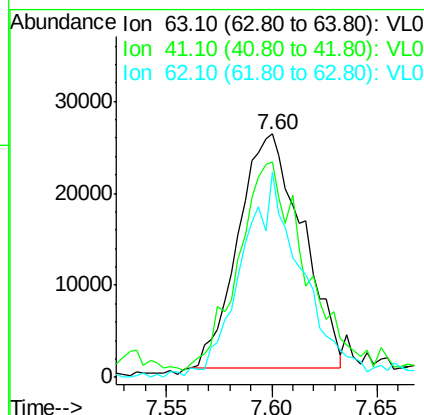
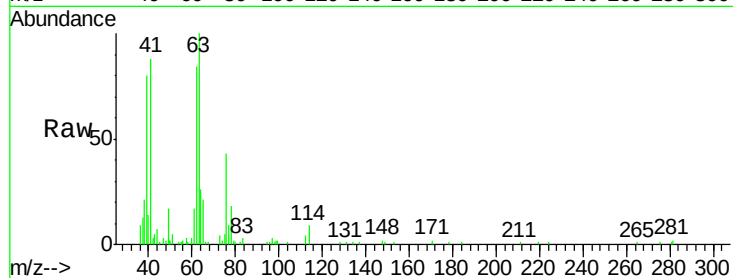
#39
 1,2-Dichloropropane
 Concen: 0.433 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	86.3	63.8	95.6
62	83.3	52.3	78.5#

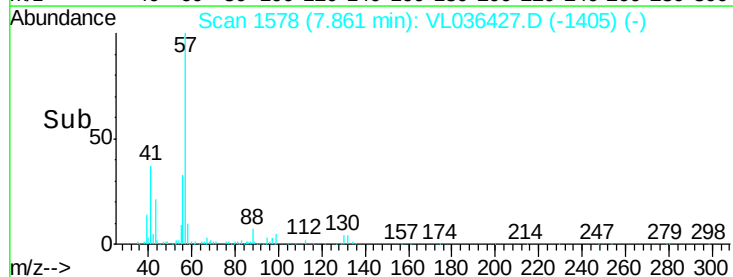
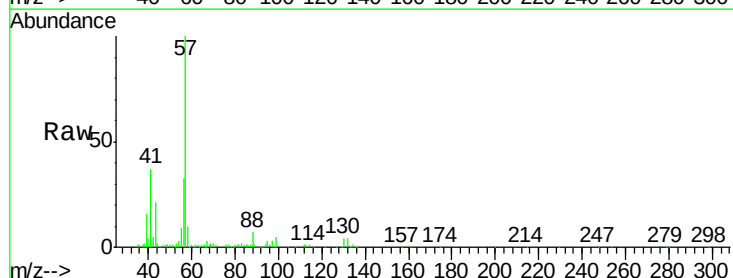
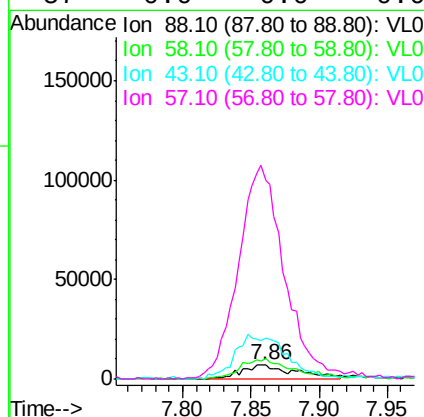
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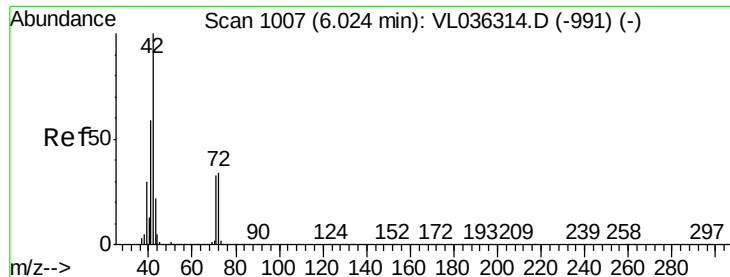
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.465 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.05 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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





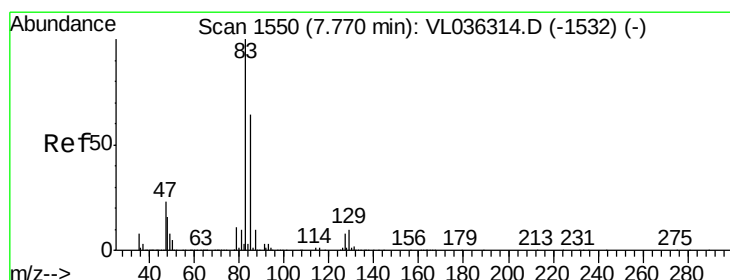
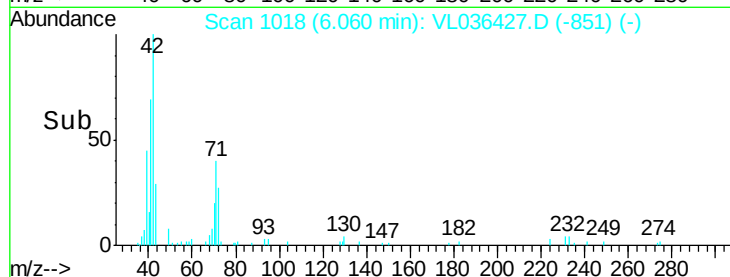
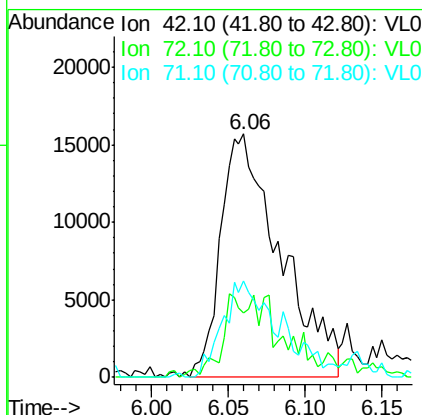
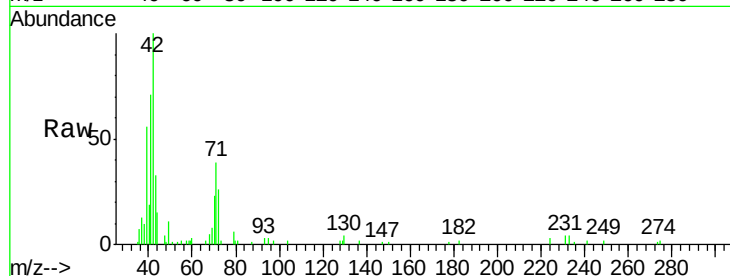
#41
Tetrahydrofuran
Concen: 0.316 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.04 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.3	43.9
71	42.3	27.8	41.8#

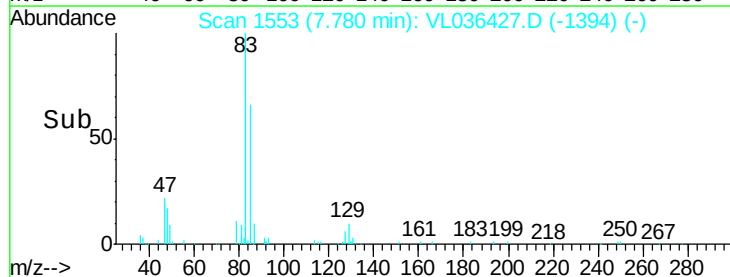
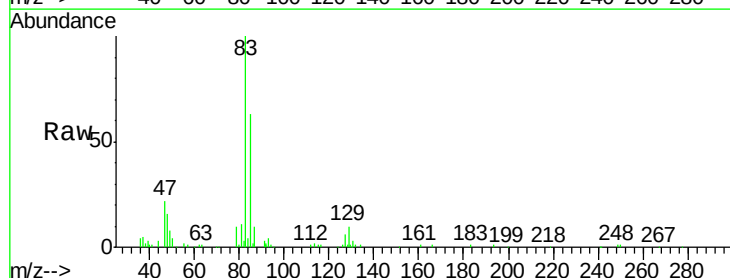
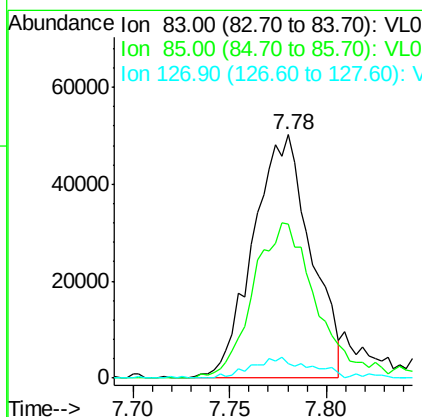
Manual Integrations
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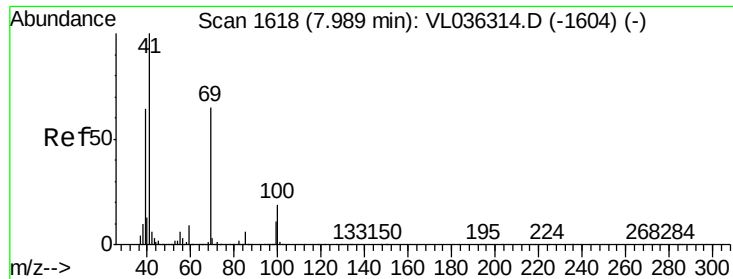
MMDadoda
3/3/2021 1:52:29 PM



#42
Bromodichloromethane
Concen: 0.408 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	6.2	6.3	9.5#





#43

Methyl Methacrylate

Concen: 0.340 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

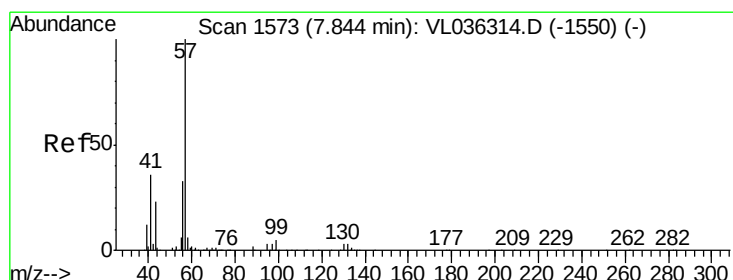
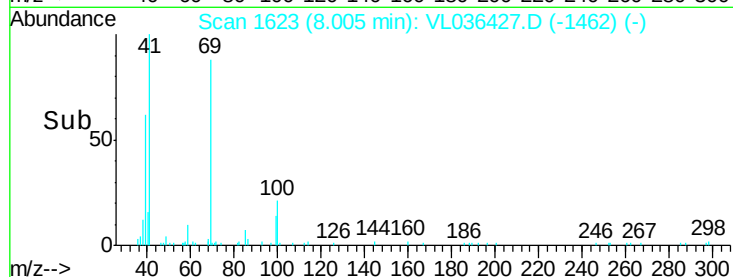
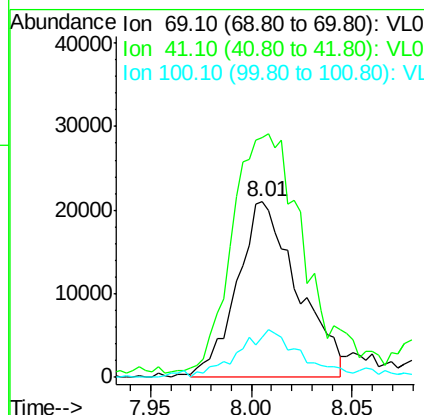
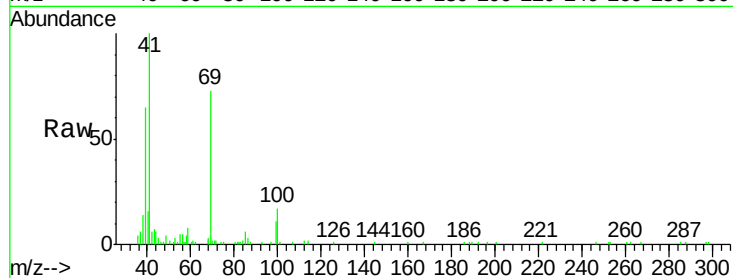
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	163.3	126.5	189.7	
100	30.0	23.1	34.7	

Manual Integrations
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MMDadoda
3/3/2021 1:52:29 PM



#44

2,2,4-Trimethylpentane

Concen: 0.447 ppbv

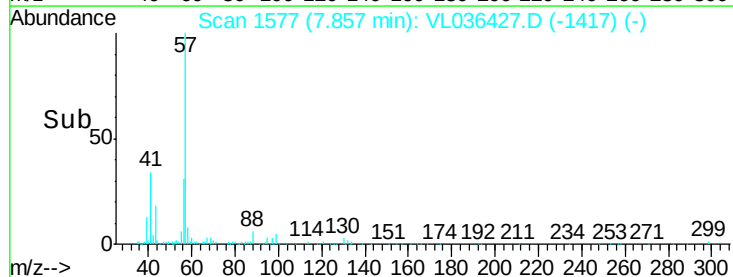
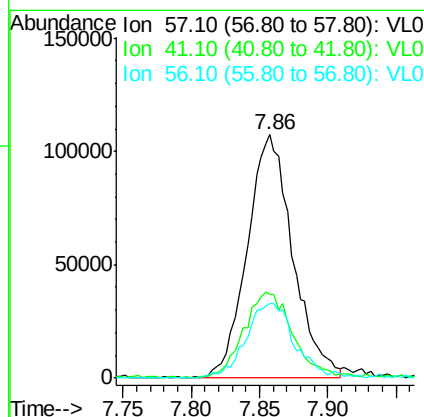
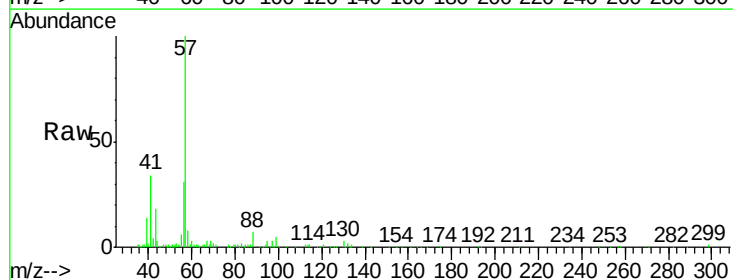
RT: 7.86 min Scan# 1577

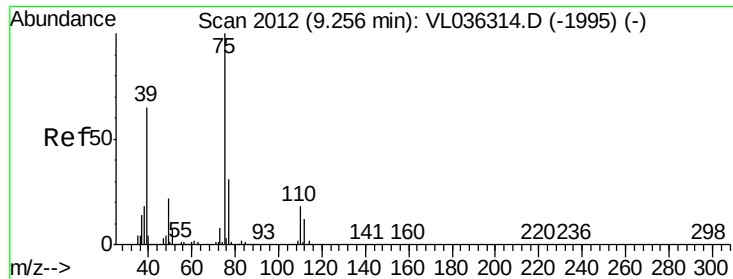
Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	39.2	28.8	43.2	
56	33.1	25.8	38.6	





#45

t-1,3-Dichloropropene

Concen: 0.320 ppbv m

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 75 Resp: 39907

Ion Ratio Lower Upper

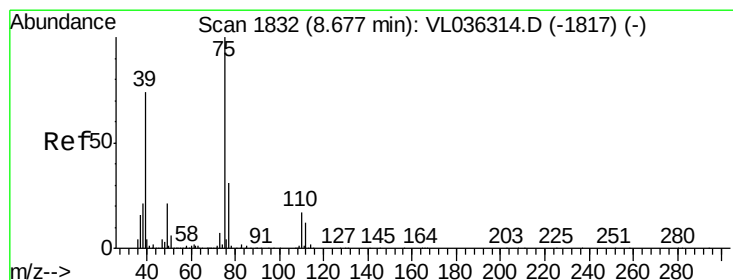
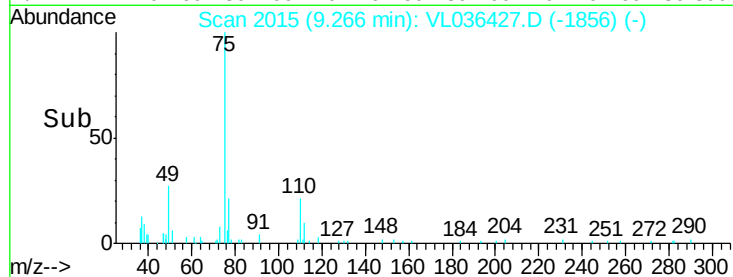
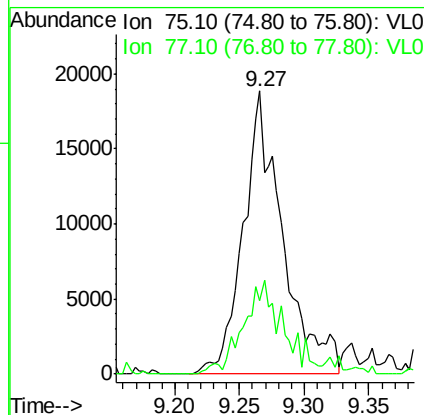
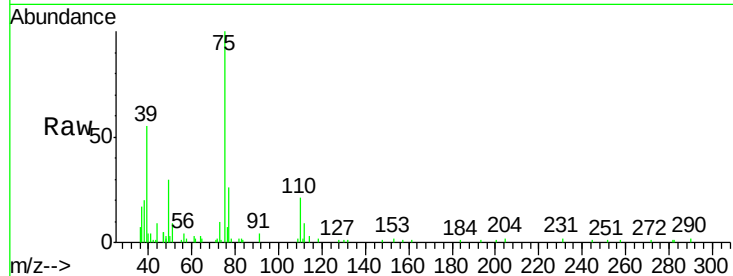
75 100

77 25.7 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 0.300 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

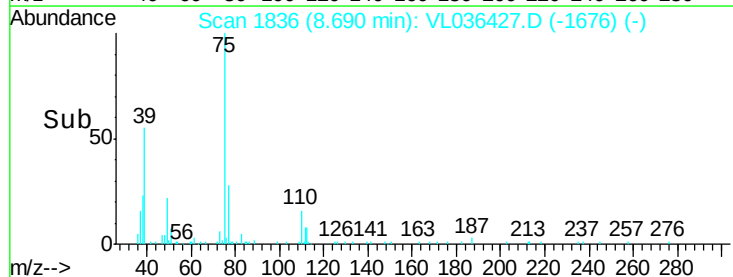
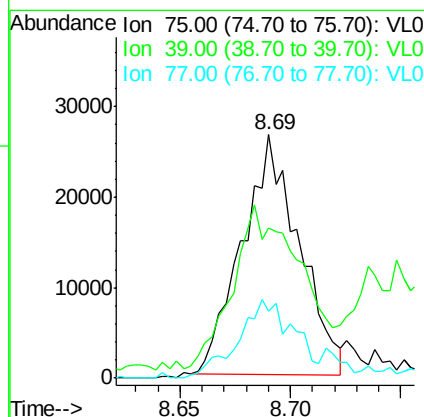
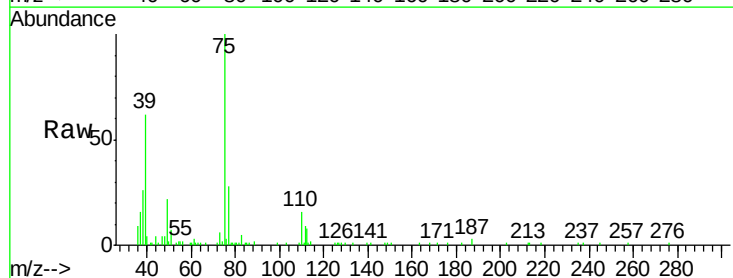
Tgt Ion: 75 Resp: 47559

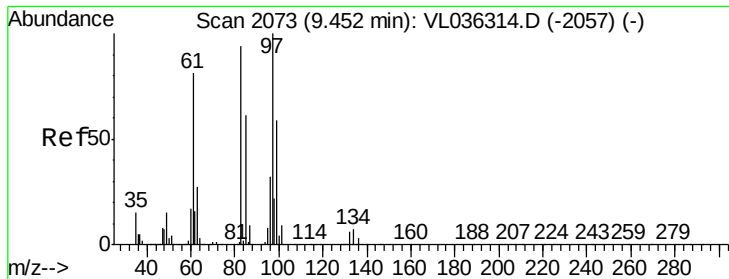
Ion Ratio Lower Upper

75 100

39 57.7 59.2 88.8#

77 27.1 25.0 37.6





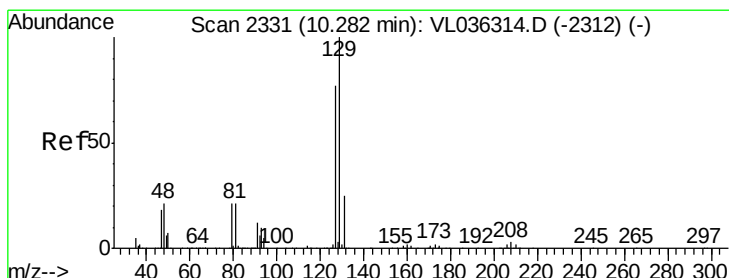
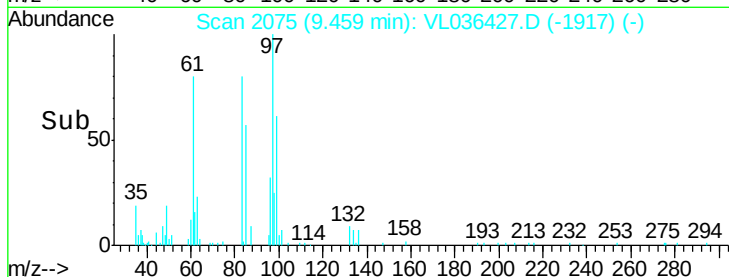
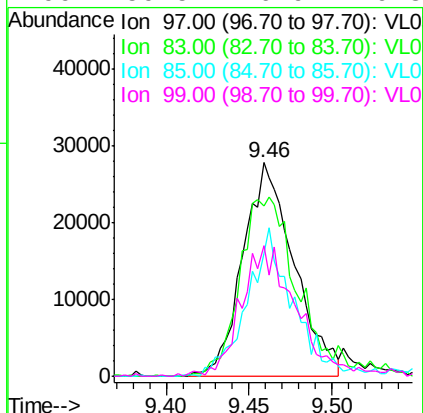
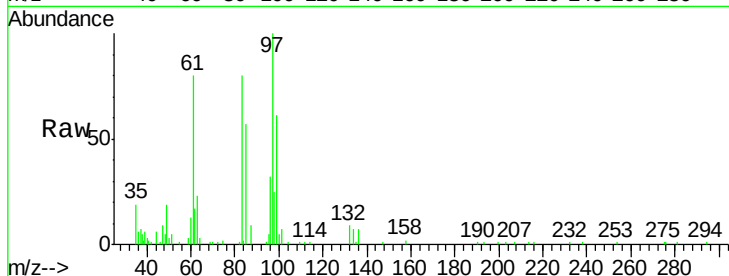
#47
 1,1,2-Trichloroethane
 Concen: 0.469 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion:	97	Resp:	59770
Ion	Ratio	Lower	Upper
97	100		
83	79.0	75.4	113.0
85	56.8	48.9	73.3
99	59.5	46.9	70.3

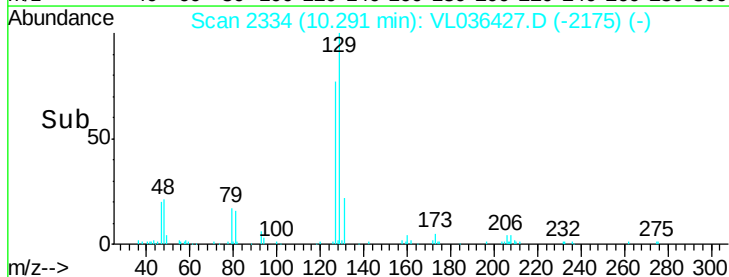
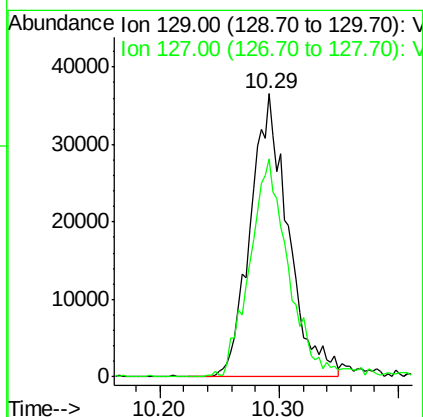
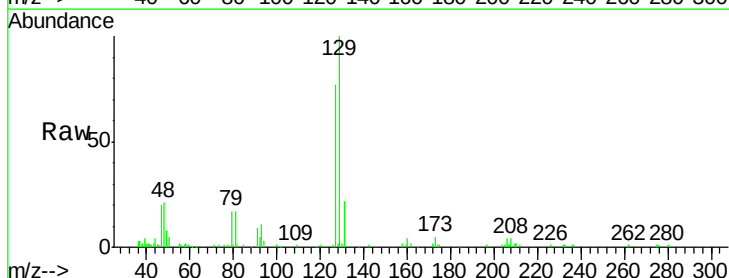
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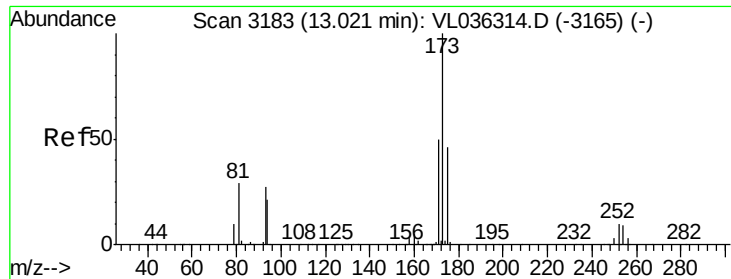
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#48
 Dibromochloromethane
 Concen: 0.421 ppbv m
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion:	129	Resp:	80206
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.2#





#49

Bromoform

Concen: 0.373 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

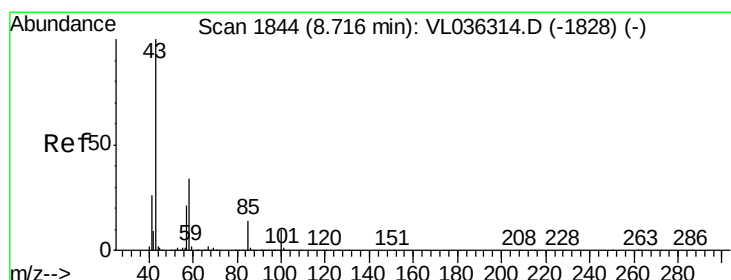
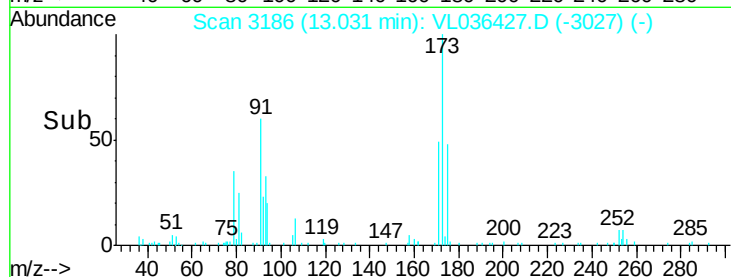
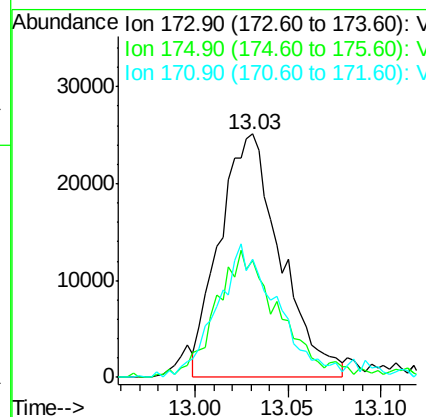
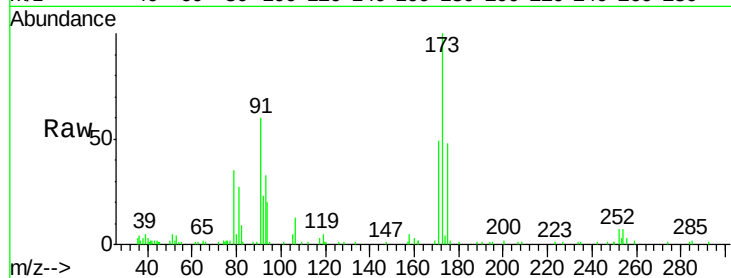
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	173	Resp:	57337
Ion	Ratio	Lower	Upper
173	100		
175	54.9	40.2	60.2
171	58.7	43.4	65.2

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#50

4-Methyl-2-Pentanone

Concen: 0.348 ppbv

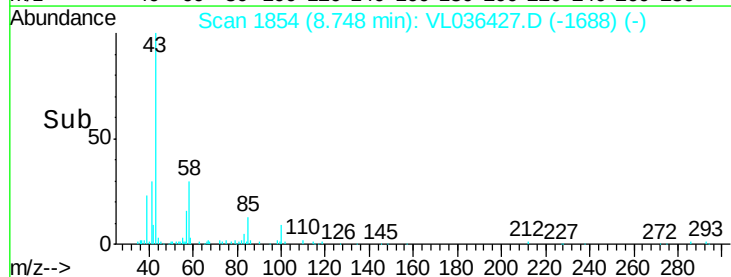
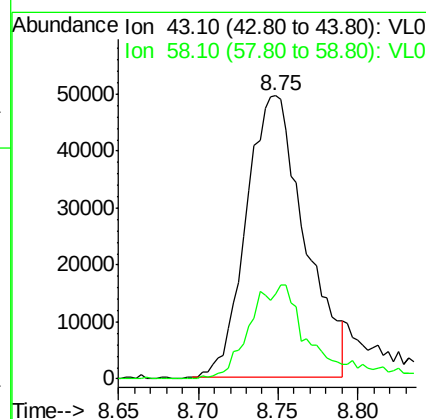
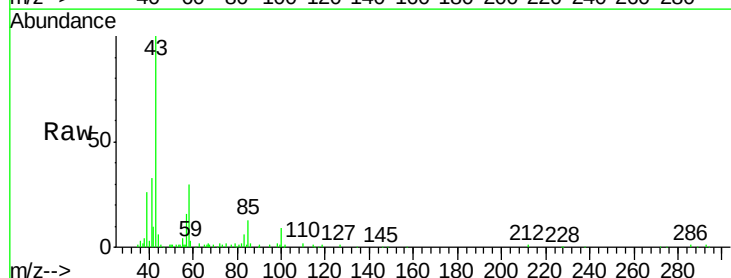
RT: 8.75 min Scan# 1854

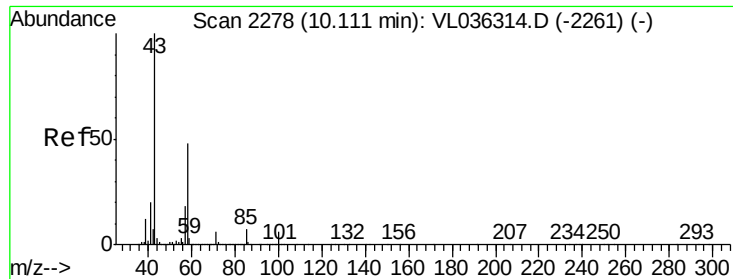
Delta R.T. 0.03 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	43	Resp:	124172
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.6





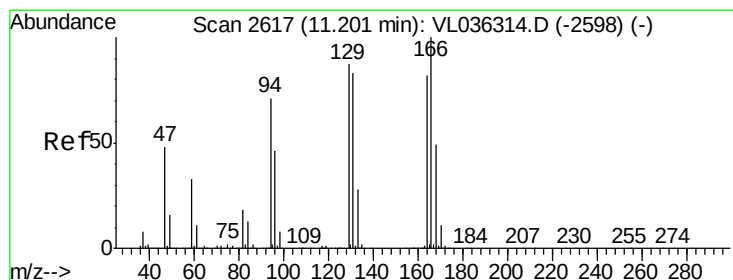
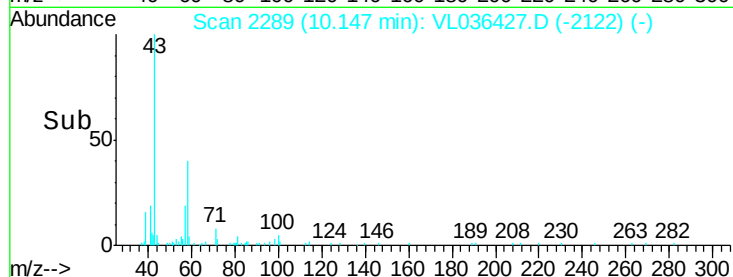
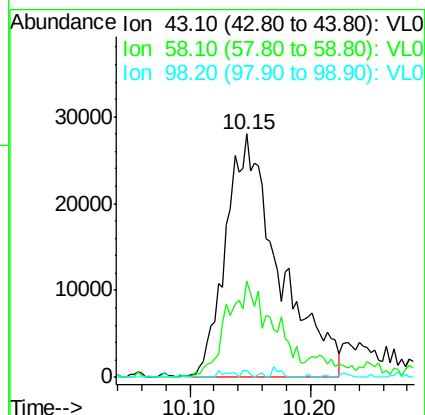
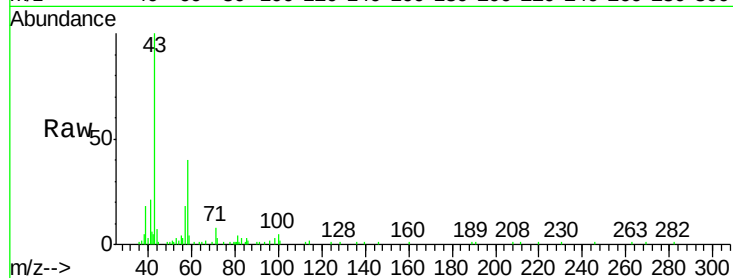
#51
2-Hexanone
Concen: 0.315 ppbv m
RT: 10.15 min Scan# 2289
Delta R.T. 0.04 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.7	58.1#
98	1.2	0.4	0.6#

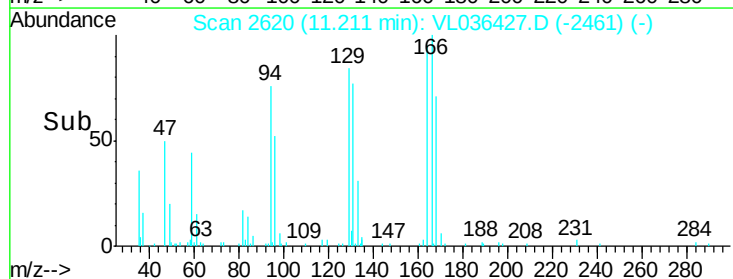
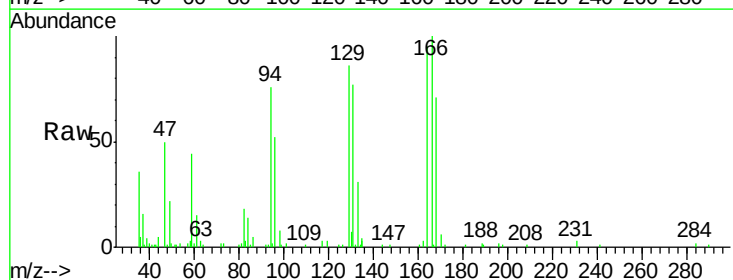
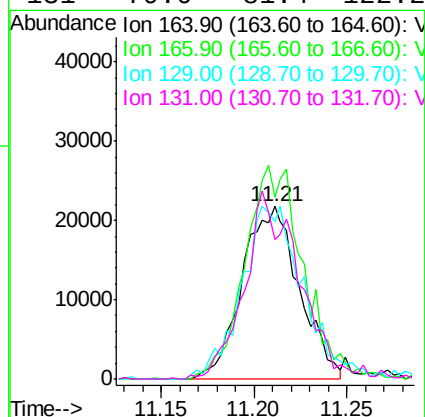
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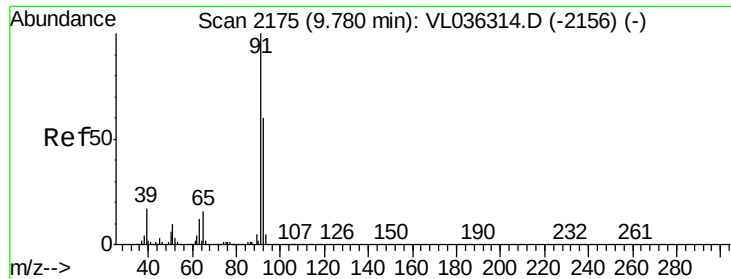
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#52
Tetrachloroethene
Concen: 0.414 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.3	97.8	146.8
129	88.9	84.9	127.3
131	79.0	81.4	122.2#





#53

Toluene

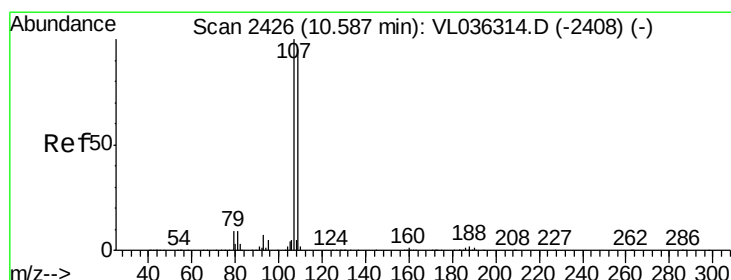
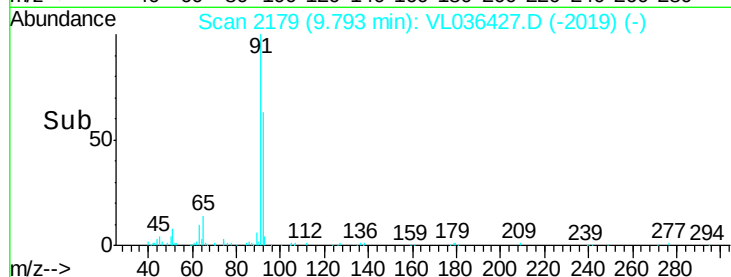
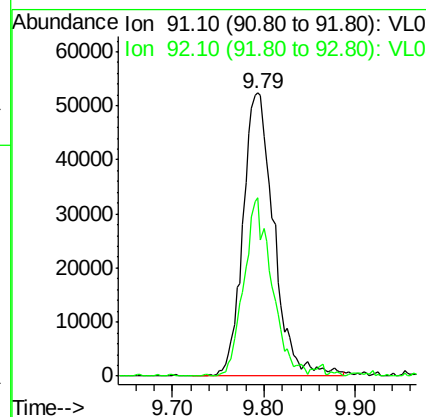
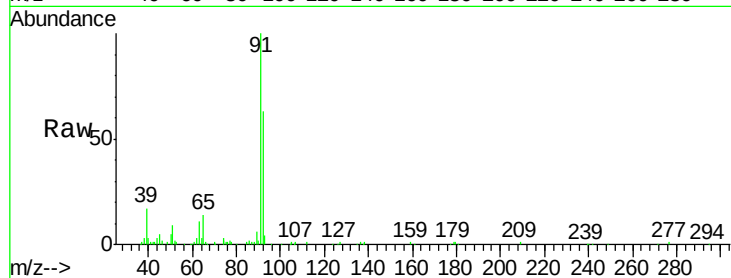
Concen: 0.369 ppbv m
RT: 9.79 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.6	72.8

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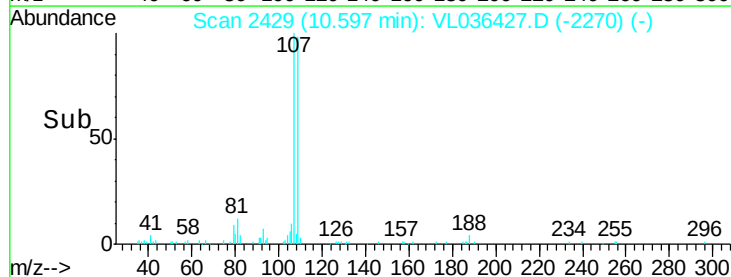
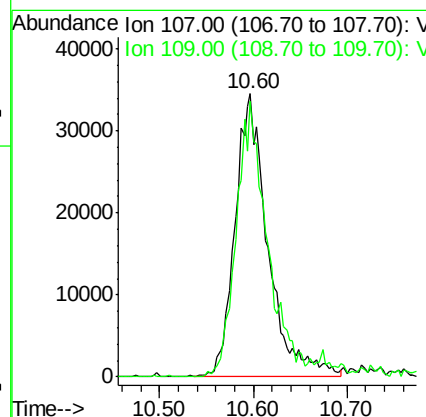
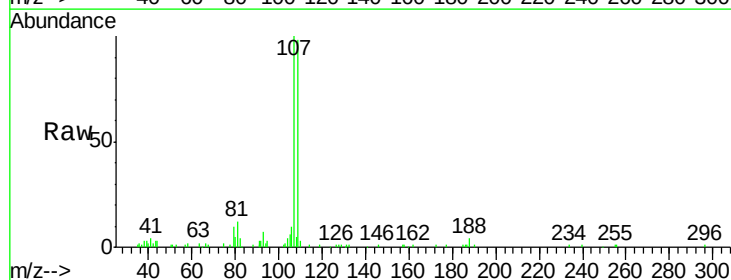


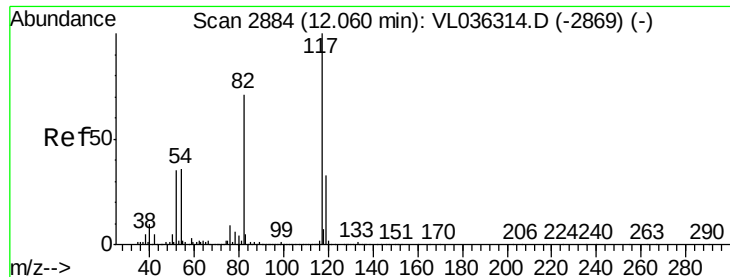
#54

1,2-Dibromoethane

Concen: 0.456 ppbv m
RT: 10.60 min Scan# 2429
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.0	114.0





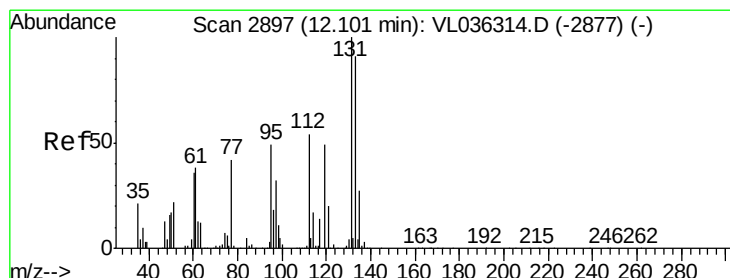
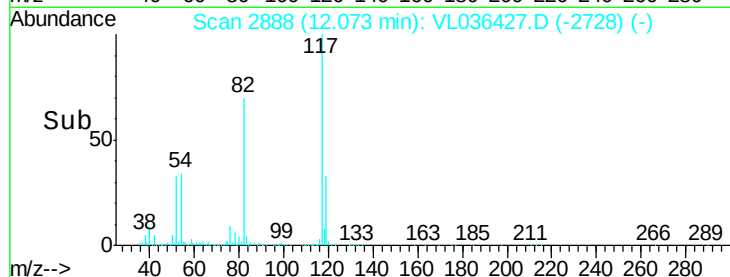
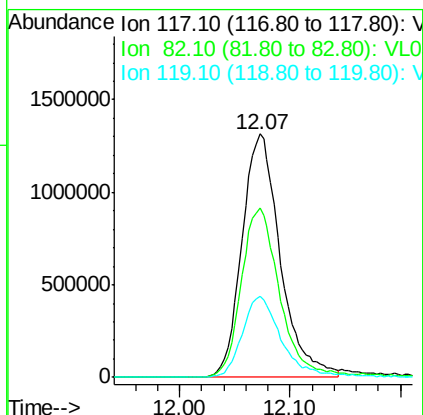
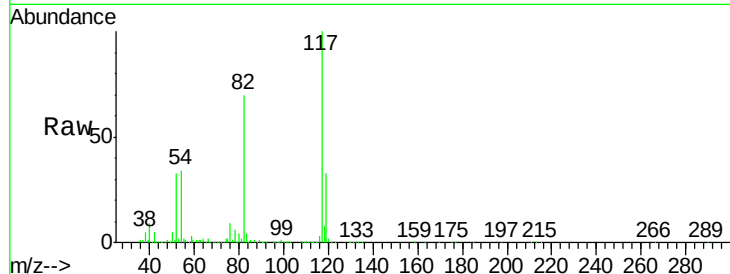
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.7	59.1	88.7
119	34.5	46.3	69.5#

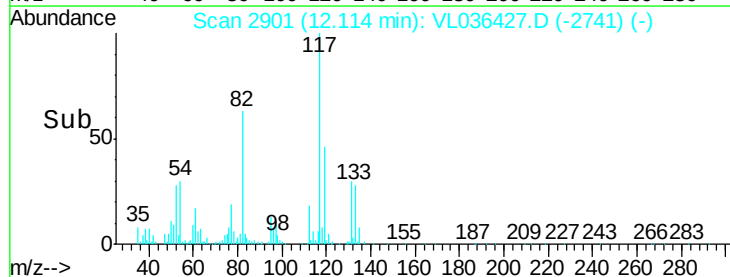
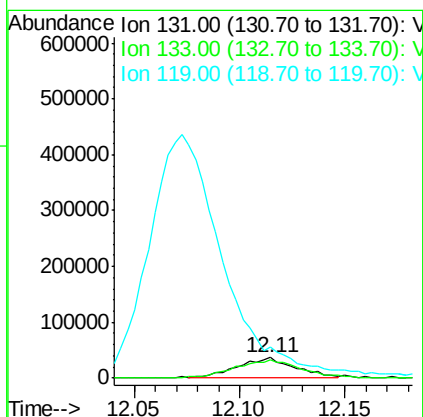
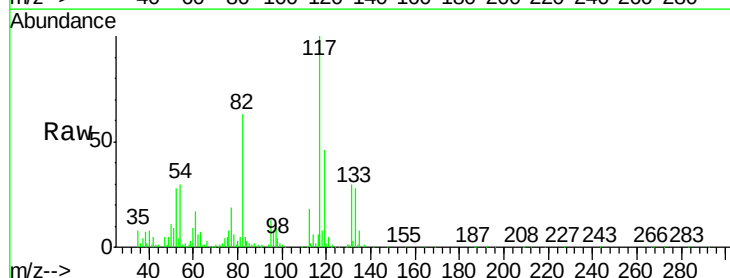
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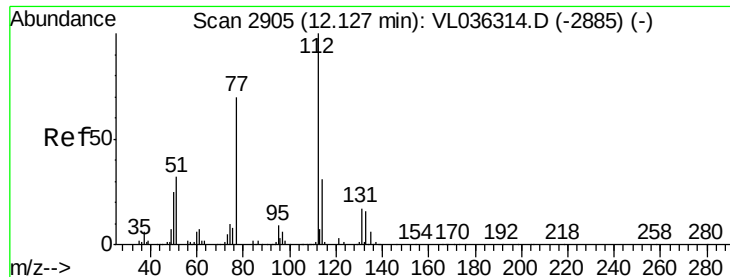
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.471 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	105.2	76.0	114.0
119	1590.6	115.1	172.7#





#57

Chlorobenzene

Concen: 0.521 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

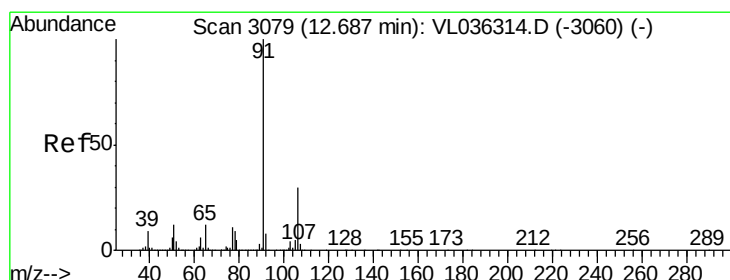
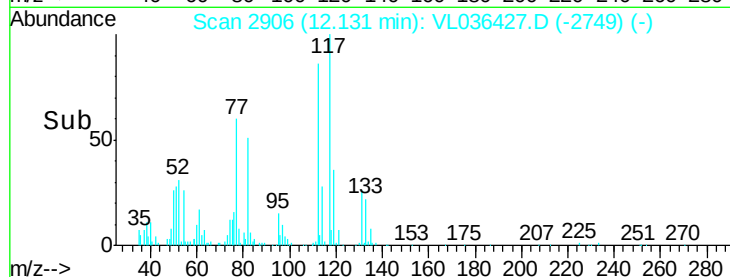
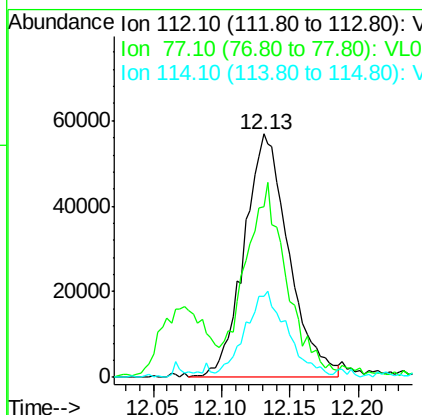
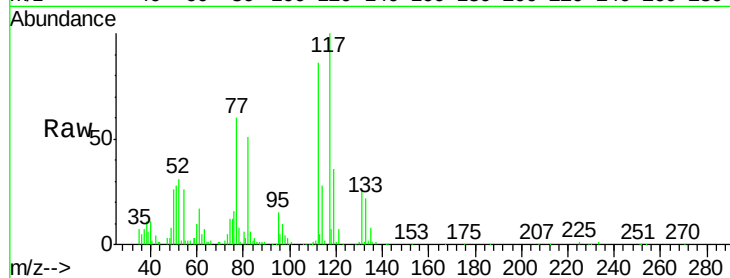
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	112	Resp:	127733
Ion Ratio	Lower	Upper	
112	100		
77	67.6	56.1	84.1
114	30.8	28.3	34.5

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#58

Ethyl Benzene

Concen: 0.400 ppbv m

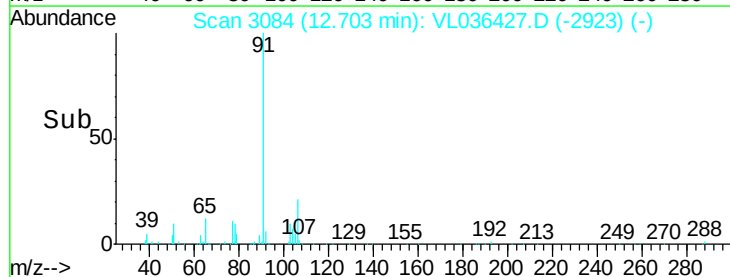
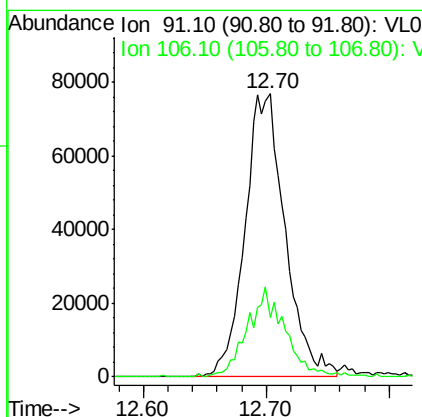
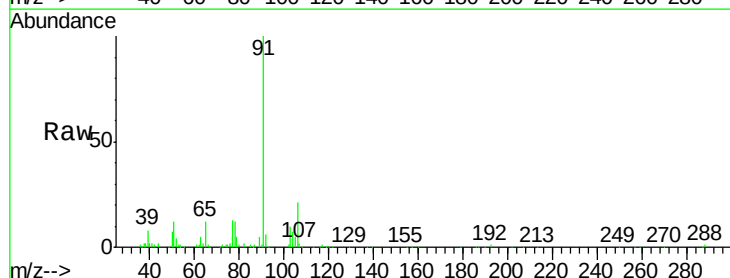
RT: 12.70 min Scan# 3084

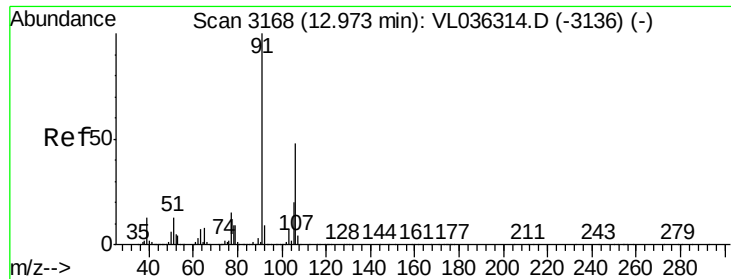
Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	91	Resp:	173874
Ion Ratio	Lower	Upper	
91	100		
106	21.0	23.8	35.6#





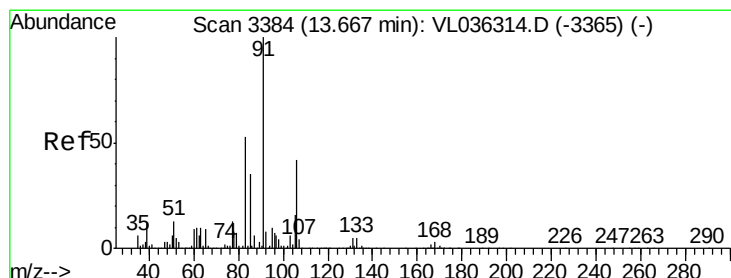
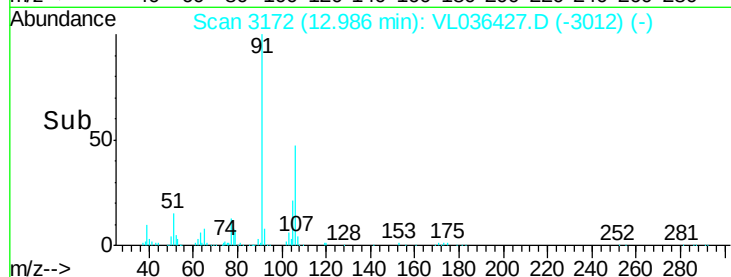
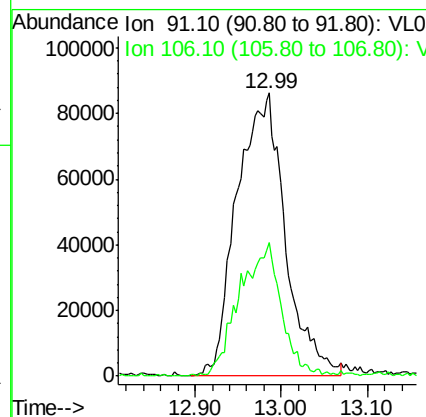
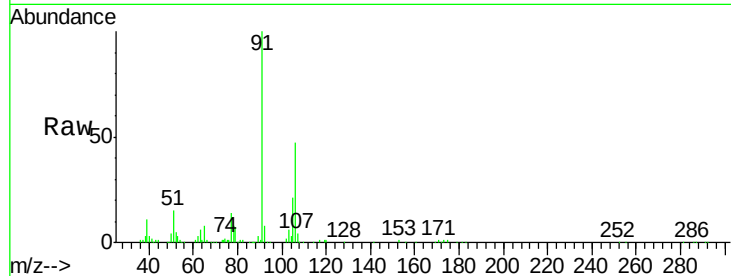
#59
m/p-Xylene
Concen: 0.878 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion: 91 Resp: 334802
Ion Ratio Lower Upper
91 100
106 40.8 34.2 51.2

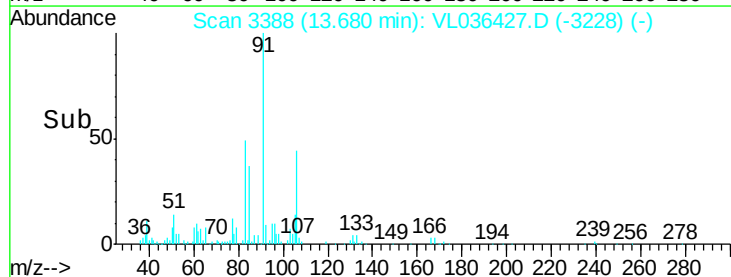
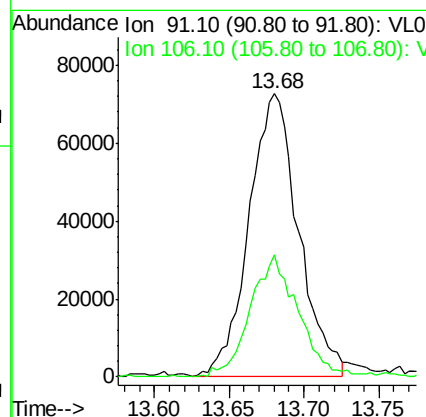
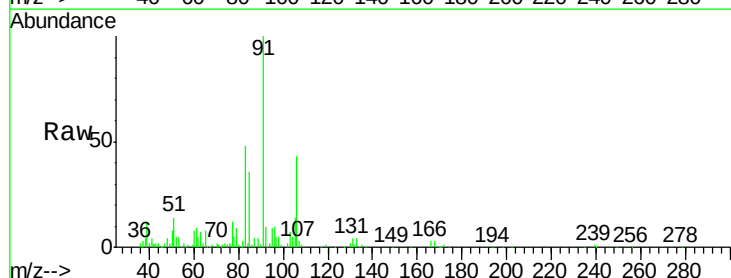
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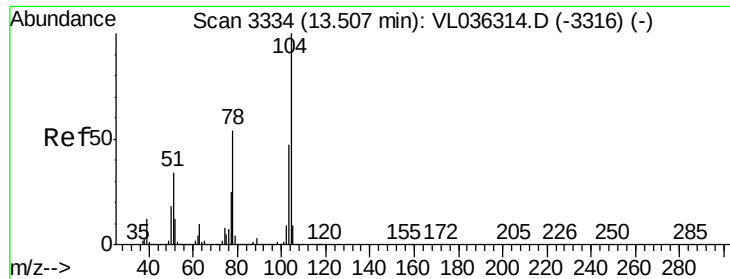
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#60
o-Xylene
Concen: 0.457 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 91 Resp: 166713
Ion Ratio Lower Upper
91 100
106 42.7 22.0 66.0





#61

Stvrene

Concen: 0.322 ppbv m

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

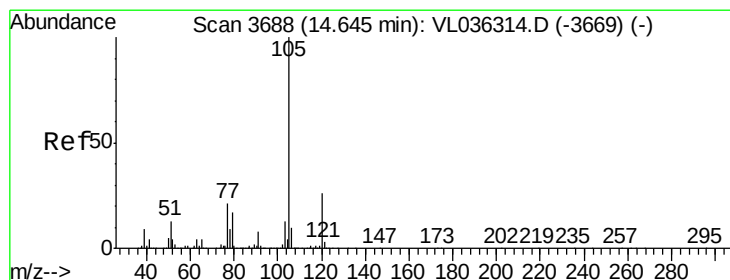
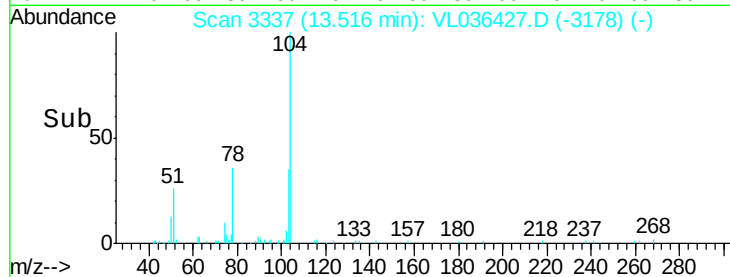
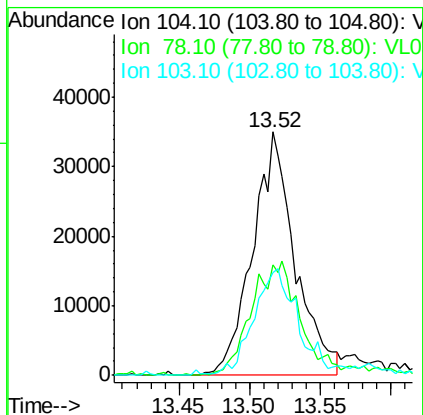
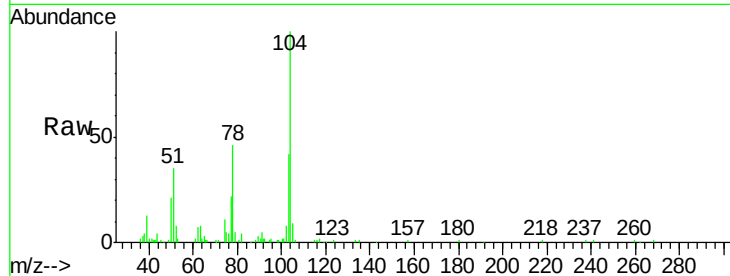
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	104	Resp:	72767
Ion Ratio	Lower	Upper	
104	100		
78	57.0	46.2	69.2
103	49.8	38.3	57.5

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.468 ppbv

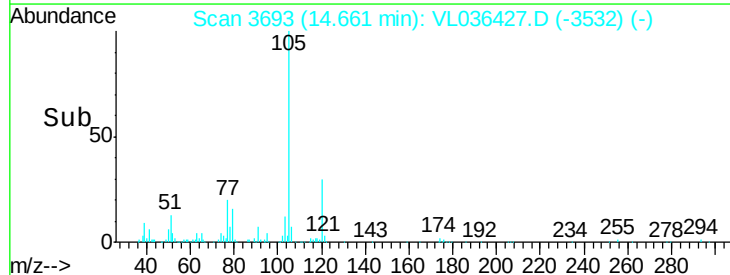
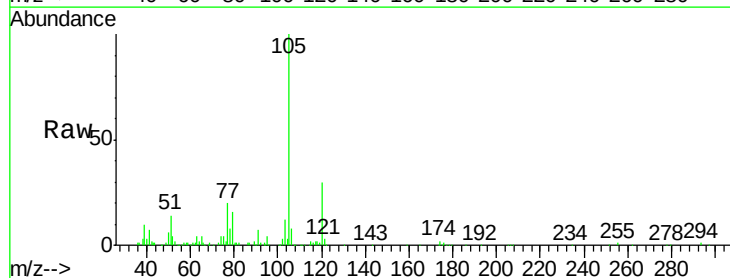
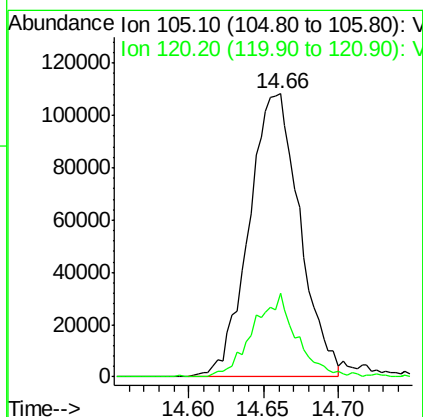
RT: 14.66 min Scan# 3693

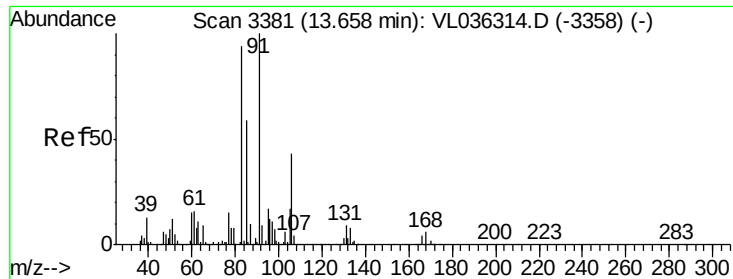
Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	105	Resp:	255951
Ion Ratio	Lower	Upper	
105	100		
120	25.9	20.6	30.8





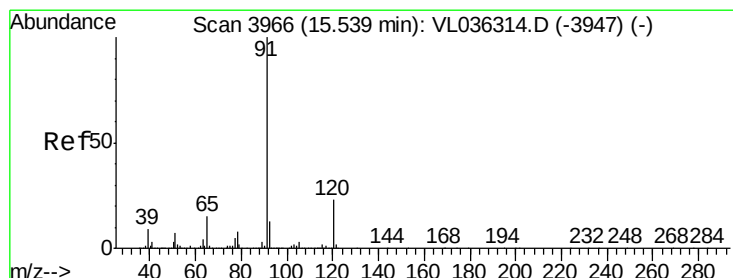
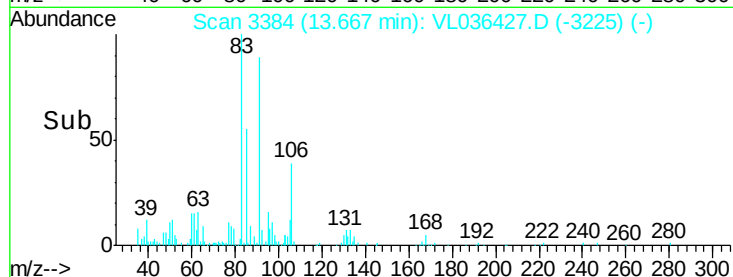
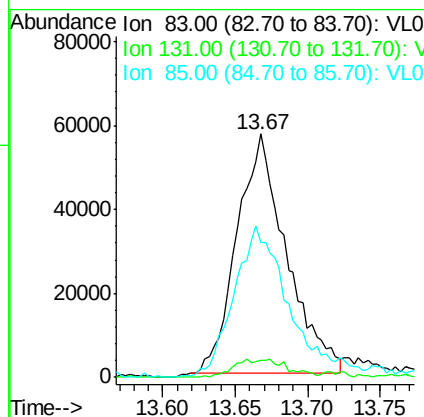
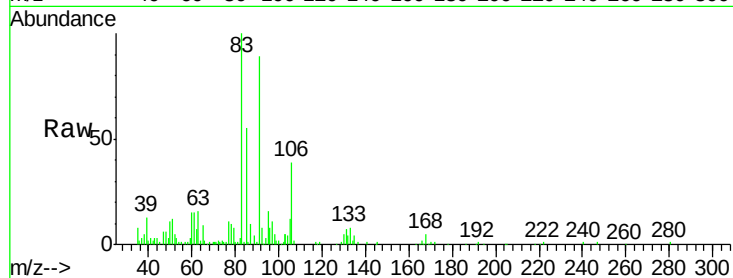
#63
1,1,2,2-Tetrachloroethane
Concen: 0.470 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	83	Resp	135398
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.0
85	74.0	33.0	98.9

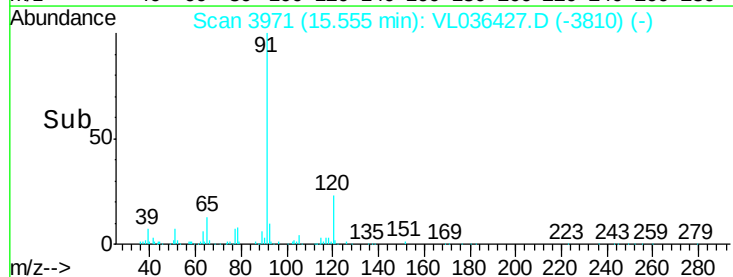
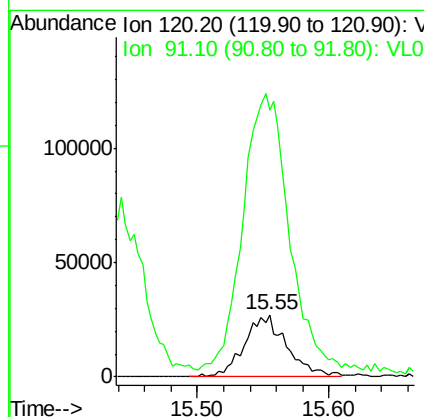
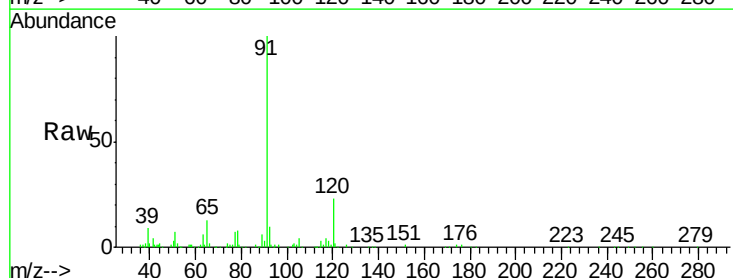
Manual Integrations
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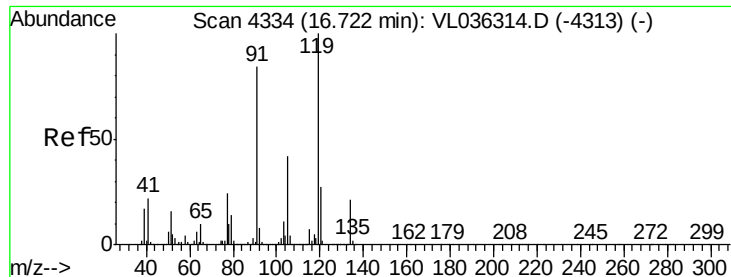
MMDadoda
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#64
n-propylbenzene
Concen: 0.450 ppbv m
RT: 15.55 min Scan# 3971
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	120	Resp	60495
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
120	100		
91	517.1	387.2	580.8





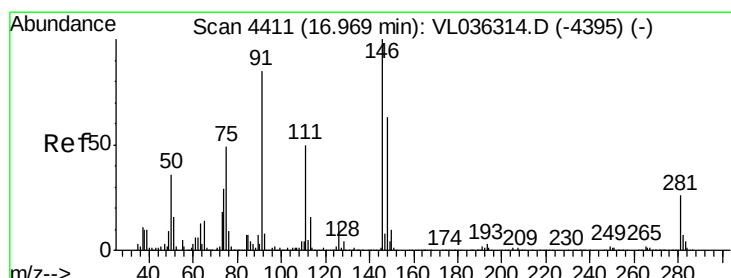
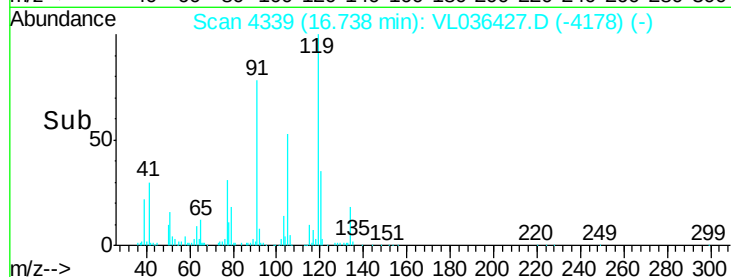
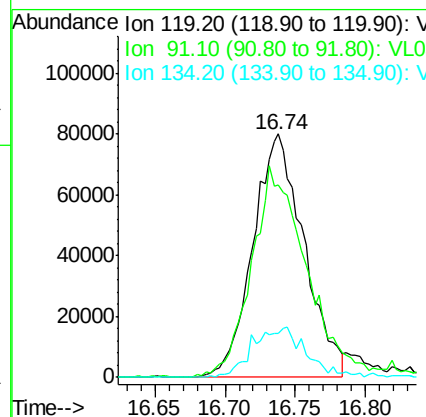
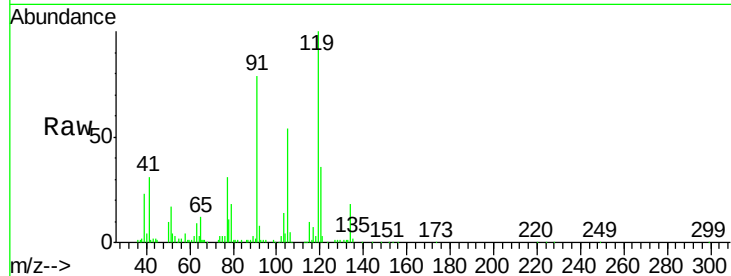
#65
tert-Butylbenzene
Concen: 0.431 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201780		
91	93.3	70.5	105.7	
134	21.5	15.8	23.8	

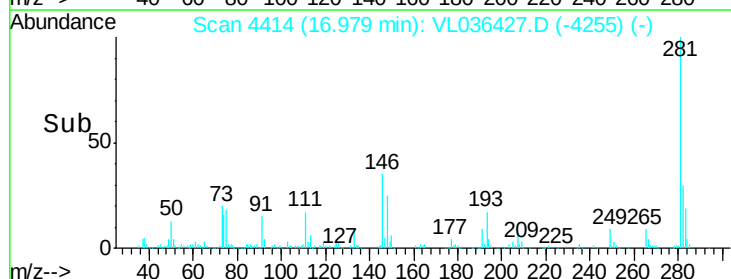
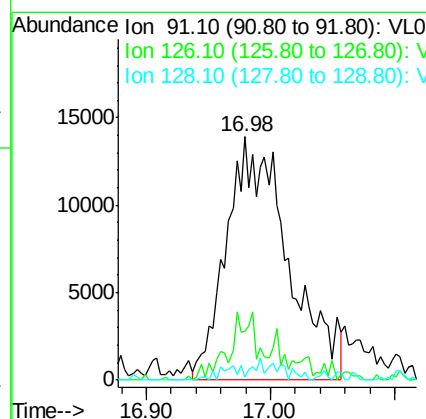
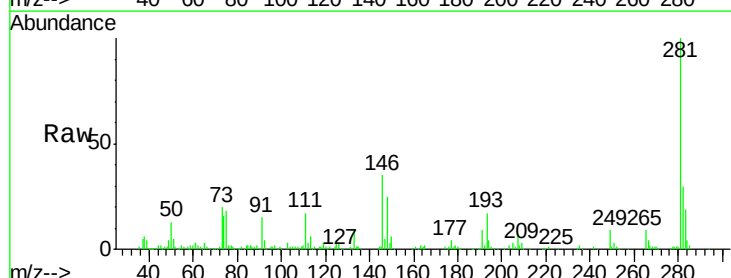
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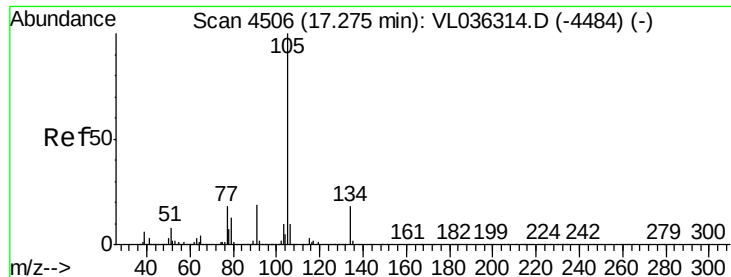
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#66
Benzyl Chloride
Concen: 0.377 ppbv m
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	47892		
126	15.2	12.9	19.3	
128	4.2	4.2	6.2	





#67

sec-Butylbenzene

Concen: 0.439 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 105 Resp: 295833

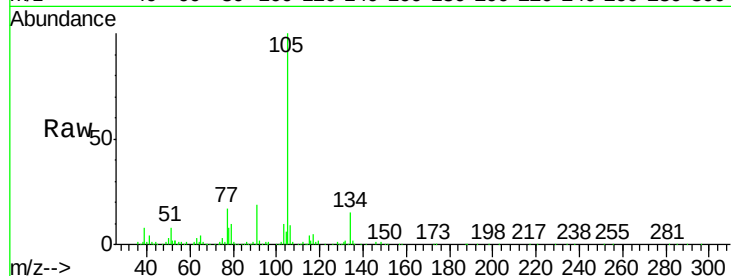
Ion Ratio Lower Upper

105 100

134 17.4 14.2 21.4

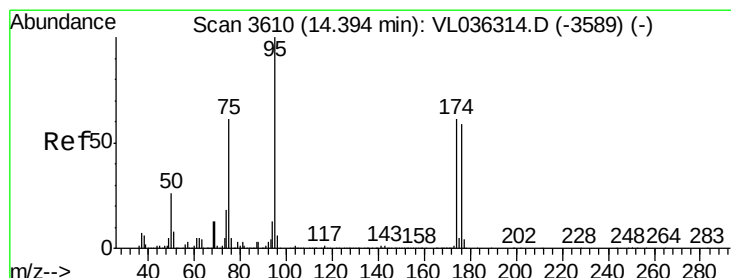
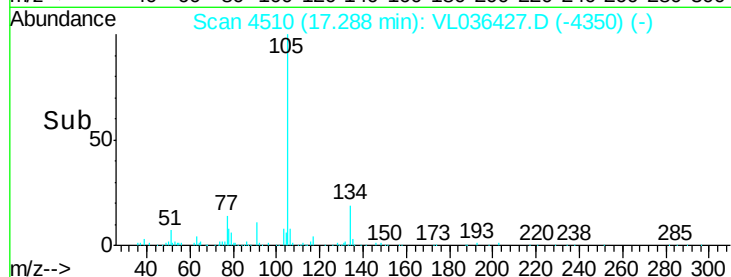
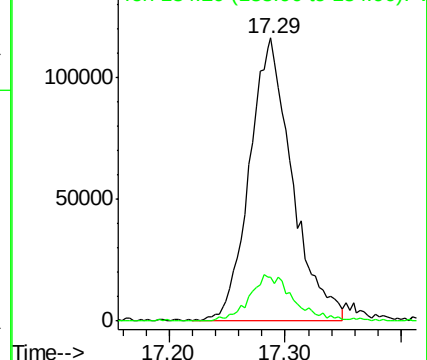
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.823 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

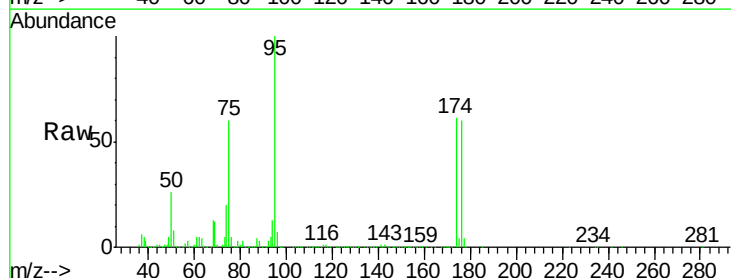
Tgt Ion: 95 Resp: 2563220

Ion Ratio Lower Upper

95 100

174 64.1 49.8 74.6

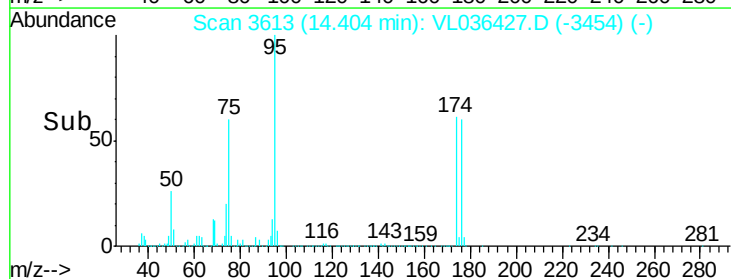
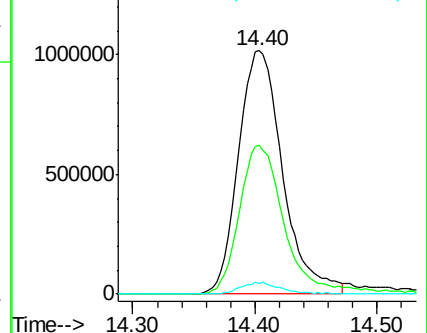
175 4.7 3.7 5.5

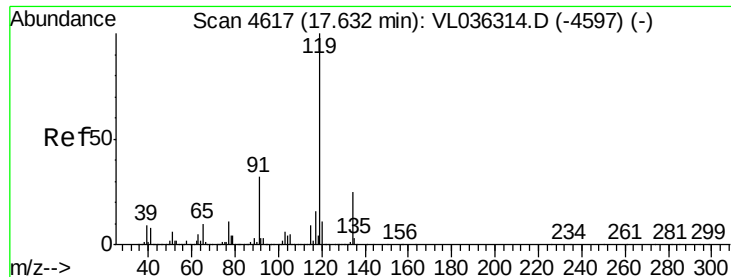


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





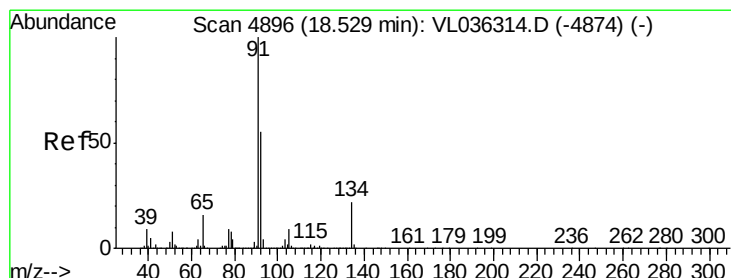
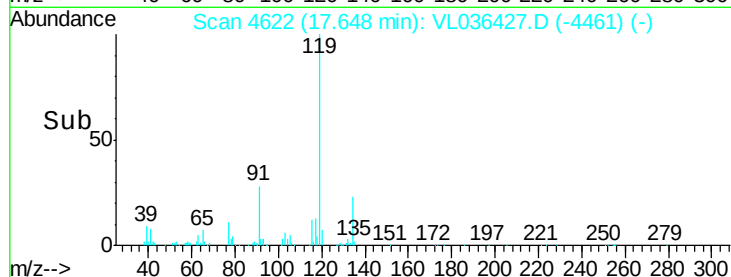
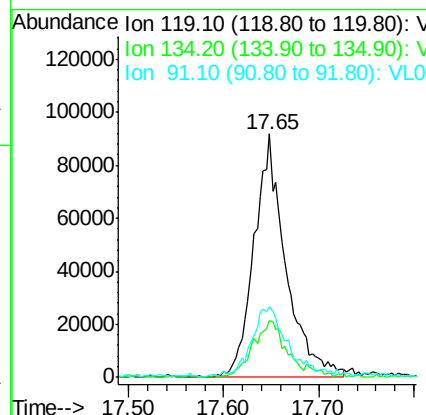
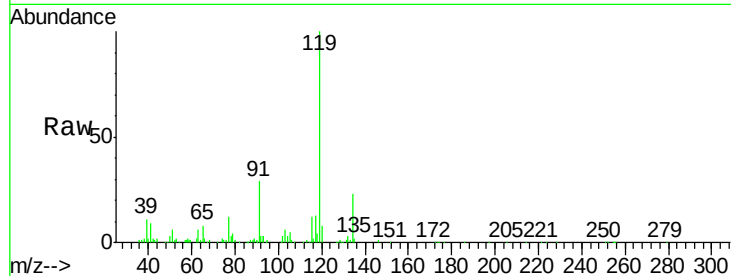
#69
 p-Isopropyltoluene
 Concen: 0.406 ppbv m
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211837		
134	26.5	20.1	30.1	
91	34.7	25.8	38.6	

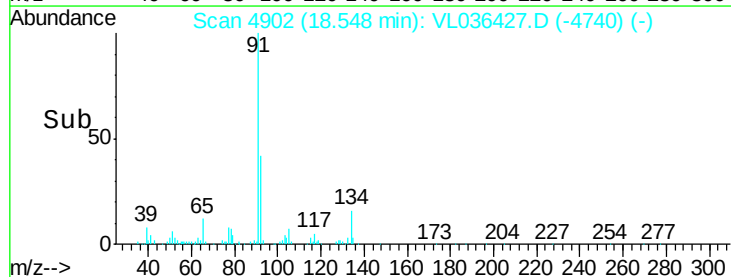
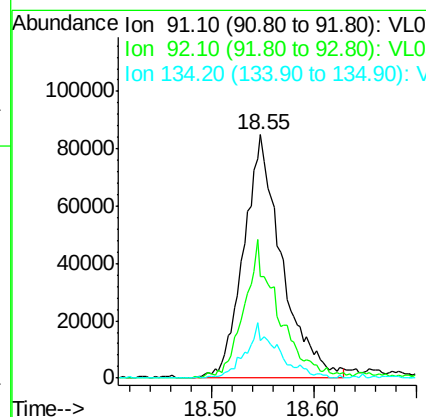
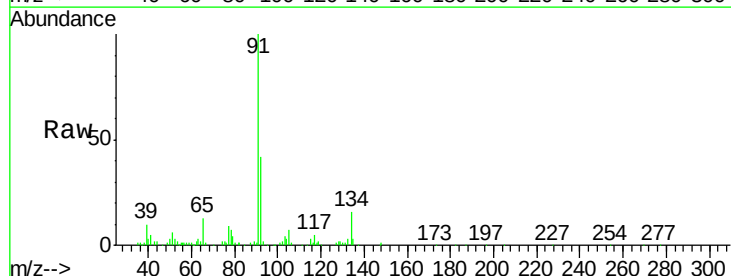
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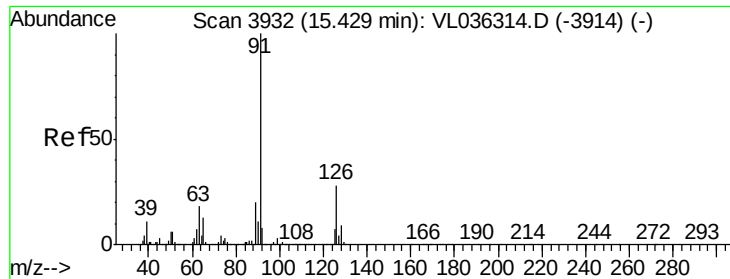
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#70
 n-Butylbenzene
 Concen: 0.394 ppbv m
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	220437		
92	51.4	43.7	65.5	
134	19.1	17.4	26.0	





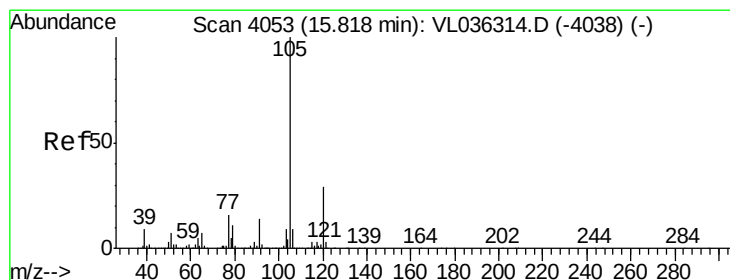
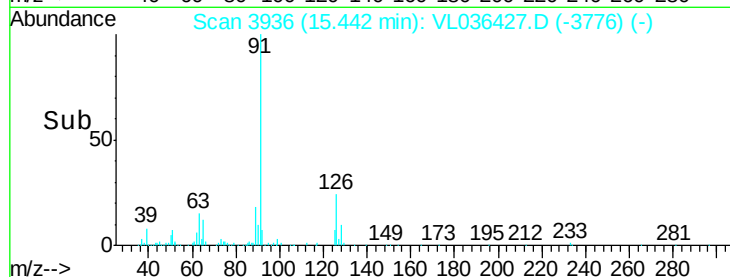
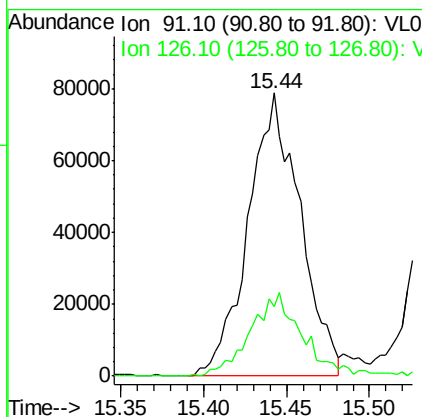
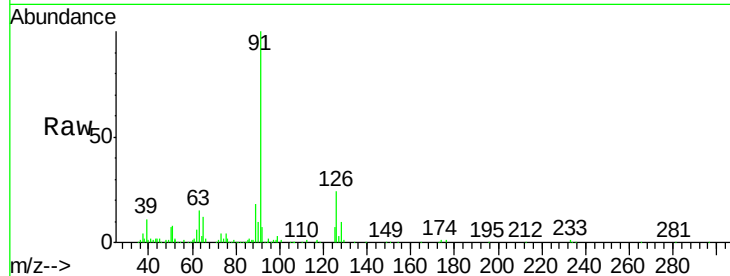
#71
2-Chlorotoluene
Concen: 0.409 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion: 91 Resp: 171550
Ion Ratio Lower Upper
91 100
126 30.3 11.5 46.1

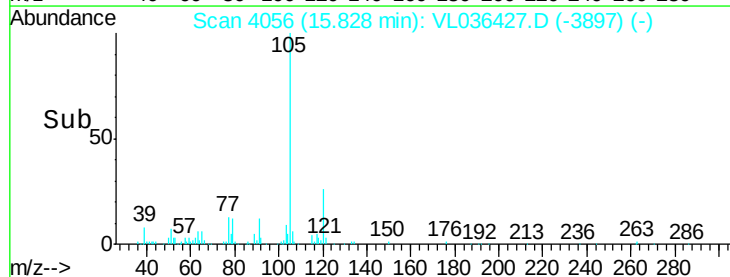
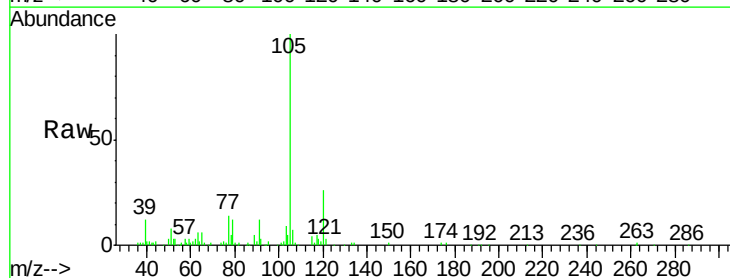
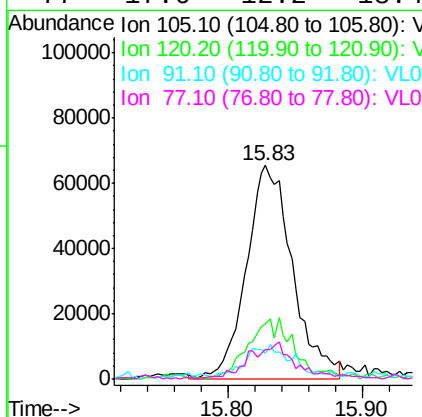
Manual Integrations
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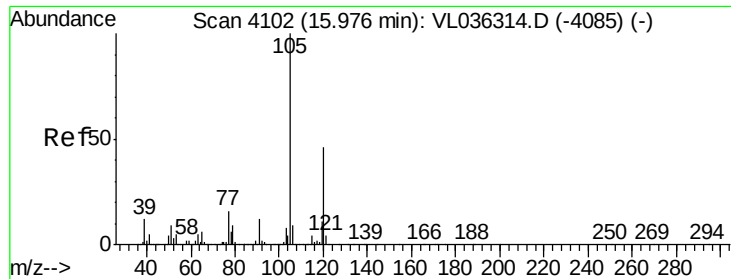
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#72
4-Ethyltoluene
Concen: 0.386 ppbv m
RT: 15.83 min Scan# 4056
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 105 Resp: 156607
Ion Ratio Lower Upper
105 100
120 29.5 23.2 34.8
91 0.0 11.0 16.4#
77 17.6 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.415 ppbv m

RT: 15.99 min Scan# 4107

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:105 Resp: 163295

Ion Ratio Lower Upper

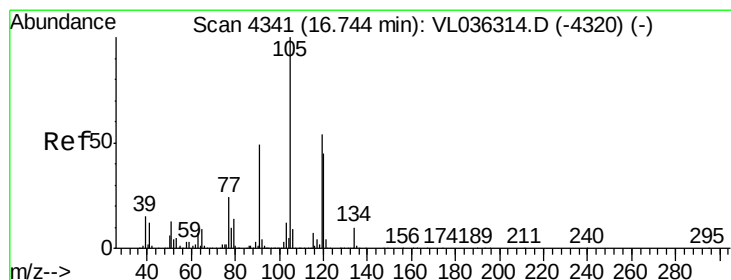
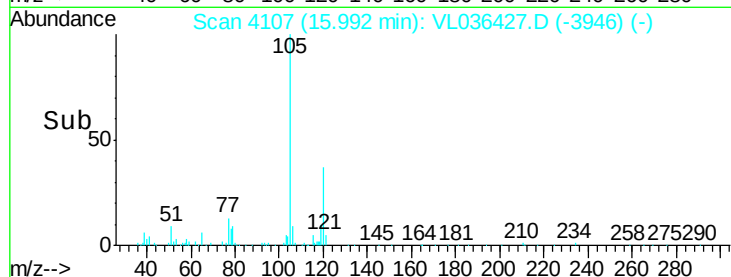
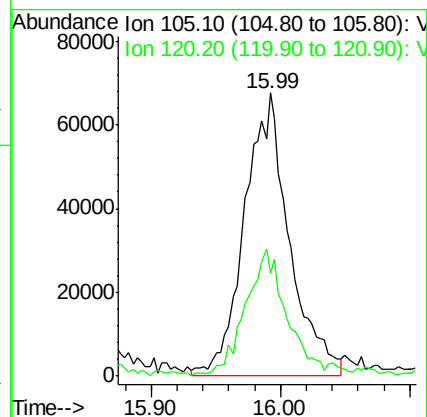
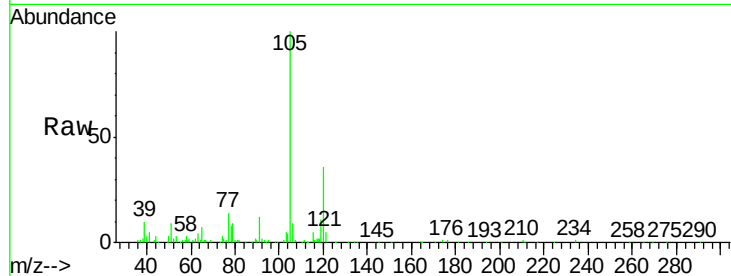
105 100

120 36.5 36.9 55.3#

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#74

1,2,4-Trimethylbenzene

Concen: 0.429 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:105 Resp: 172470

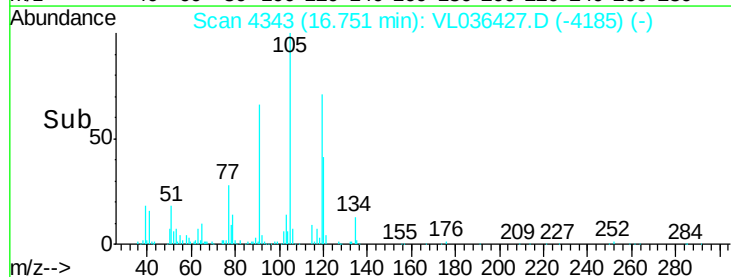
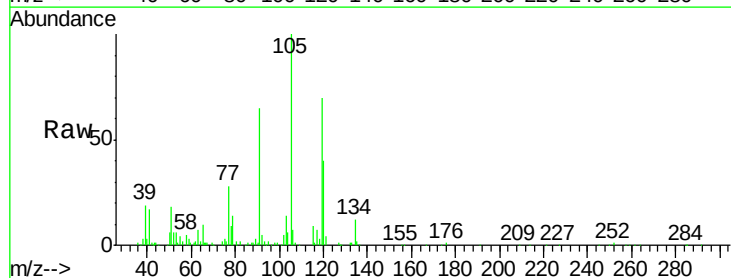
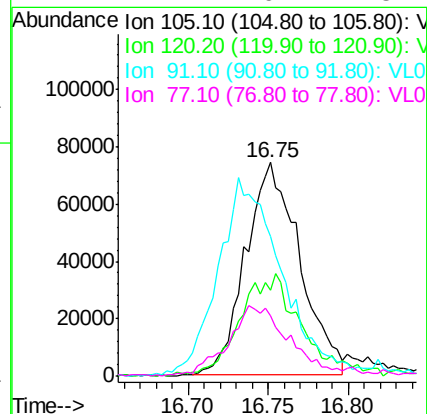
Ion Ratio Lower Upper

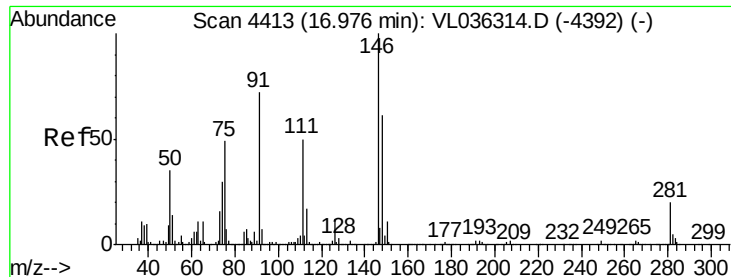
105 100

120 38.5 35.8 53.6

91 58.9 39.8 59.6

77 27.1 19.1 28.7





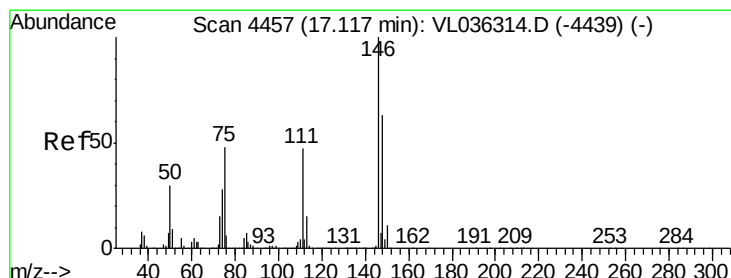
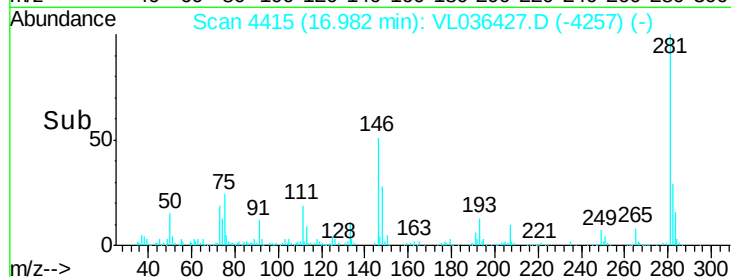
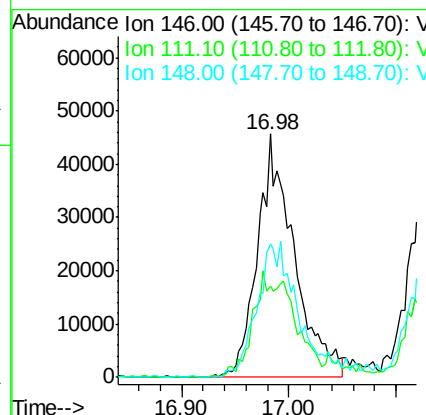
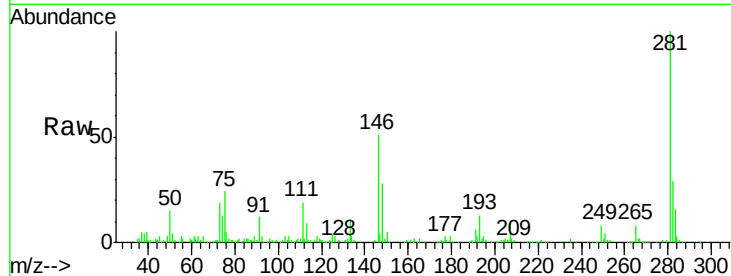
#75
 1,3-Dichlorobenzene
 Concen: 0.498 ppbv m
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.9	74.6#
148	65.0	31.9	95.9

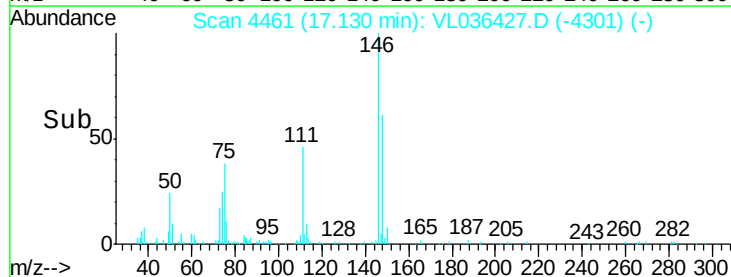
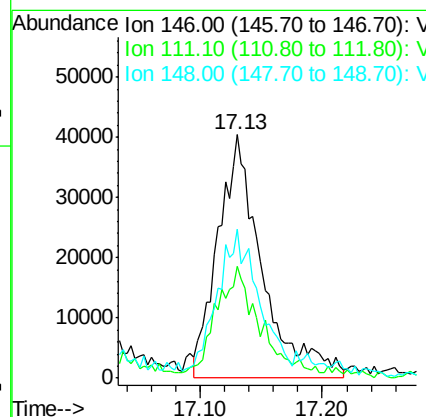
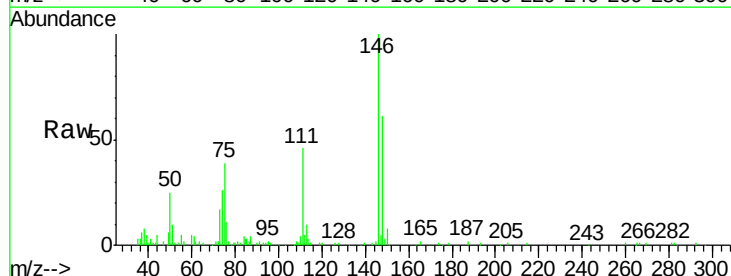
Manual Integrations
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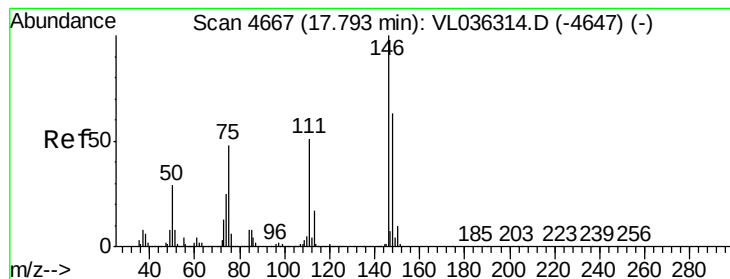
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#76
 1,4-Dichlorobenzene
 Concen: 0.453 ppbv m
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.2	23.6	71.0
148	66.6	31.6	95.0





#77

1,2-Dichlorobenzene

Concen: 0.476 ppbv m

RT: 17.81 min Scan# 4673

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

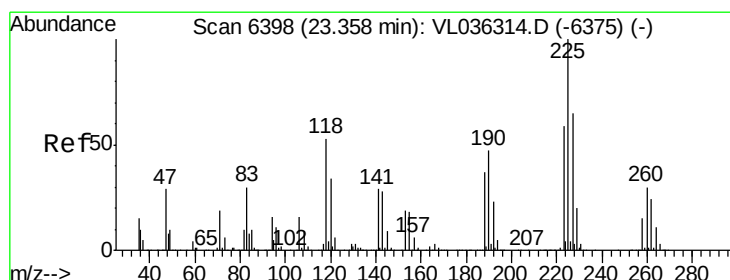
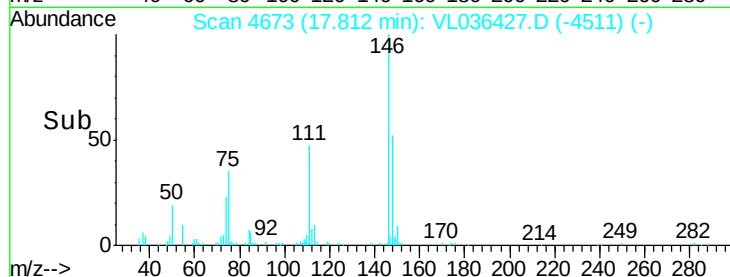
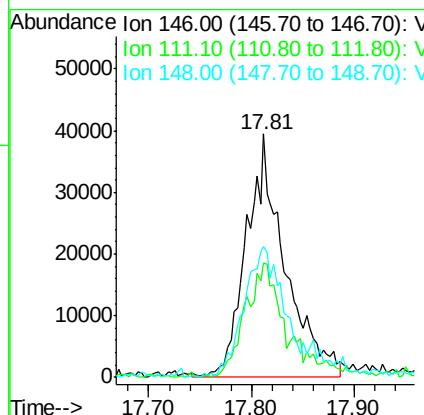
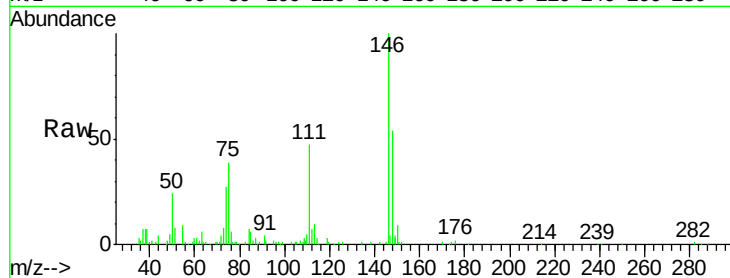
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	146	Resp:	102954
Ion Ratio	Lower	Upper	
146	100		
111	53.4	25.9	77.8
148	64.8	32.5	97.4

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 0.523 ppbv m

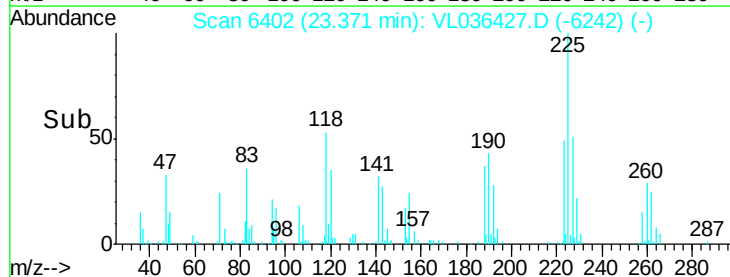
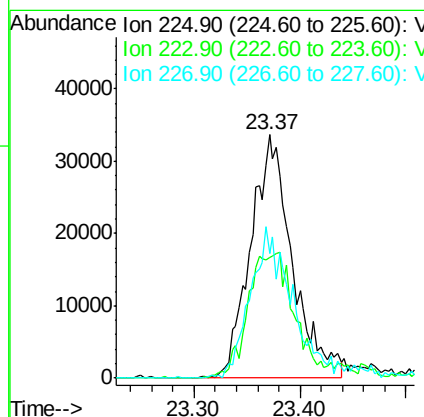
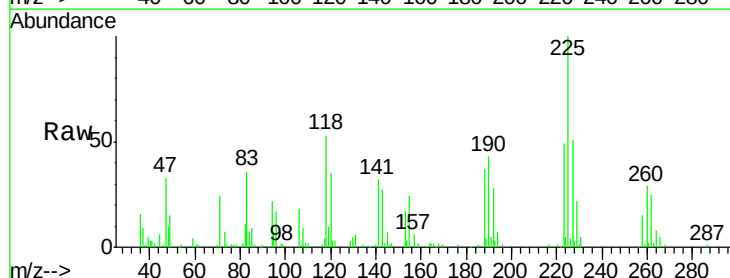
RT: 23.37 min Scan# 6402

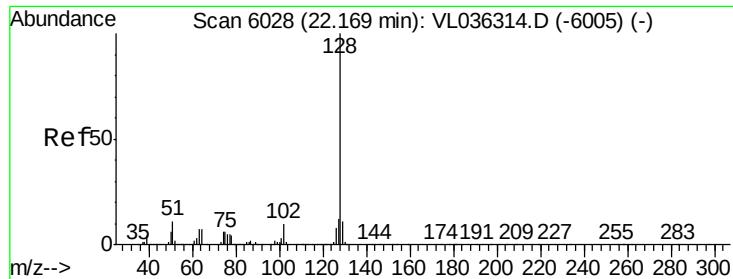
Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	225	Resp:	92402
Ion Ratio	Lower	Upper	
225	100		
223	57.8	50.8	76.2
227	60.9	52.2	78.2





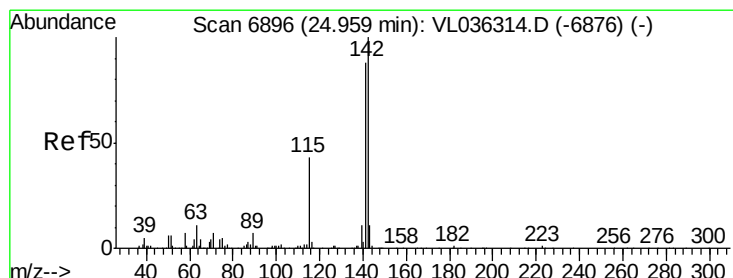
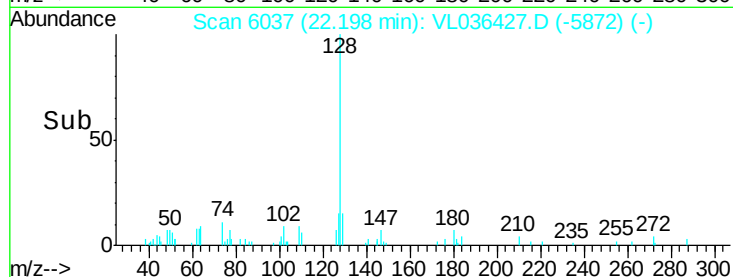
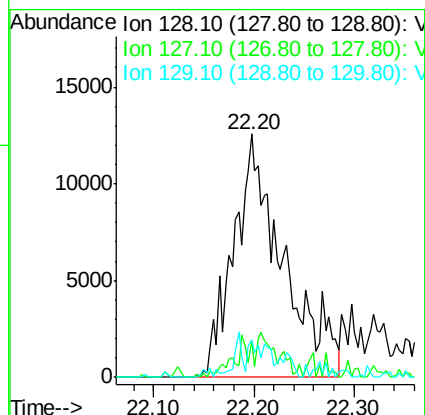
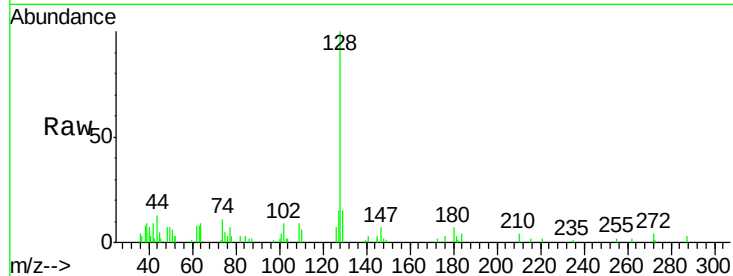
#79
Naphthalene
Concen: 0.181 ppbv m
RT: 22.20 min Scan# 6037
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	43098		
127	14.6		9.6	14.4#
129	15.2		8.5	12.7#

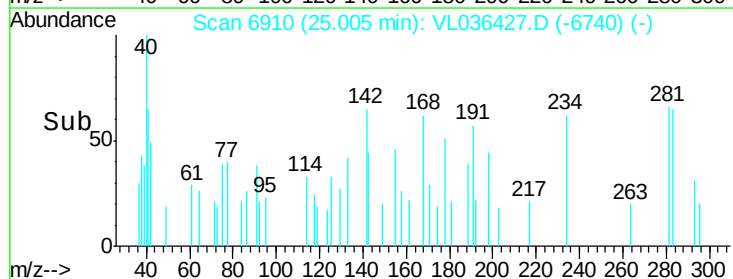
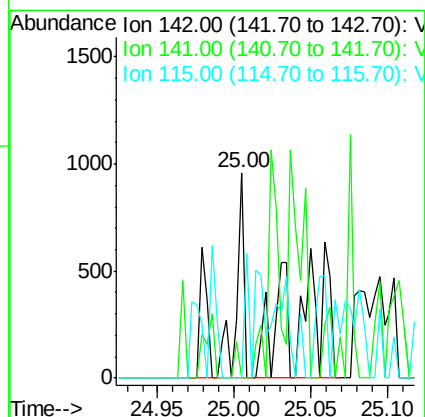
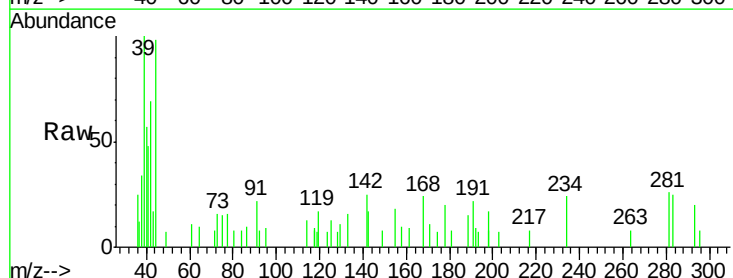
Manual Integrations
APPROVED

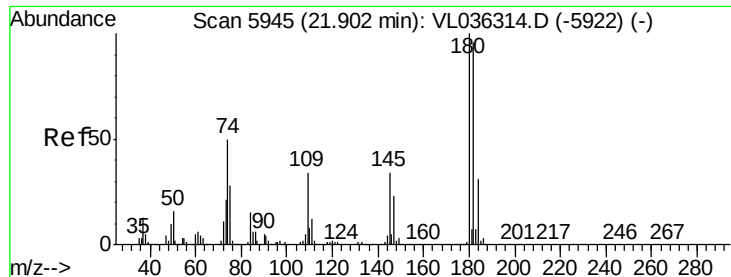
MMDadoda
3/3/2021 1:52:29 PM



#80
Naphthalene, 2-methyl-
Concen: 0.032 ppbv m
RT: 25.00 min Scan# 6910
Delta R.T. 0.05 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1411		
141	15.4		64.4	96.6#
115	74.6		34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.269 ppbv m
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.03 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

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

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

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:29 PM

