

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036418.D
 Acq On : 1 Mar 2021 17:14
 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
 3/2/2021 3:30:18 PM

Quant Time: Mar 02 06:26:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 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	5.68	49	1724852	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3737508	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3386991	10.00	ppbv	0.05

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2732930	9.81	ppbv	0.05	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	148452	0.577	ppbv	97
3) Chlorodifluoromethane	3.00	51	107971	0.504	ppbv	100
4) Chloromethane	3.15	50	52796	0.510	ppbv	95
5) Vinyl Chloride	3.27	62	43806	0.454	ppbv	95
6) Bromomethane	3.49	94	29634m	0.517	ppbv	
7) Chloroethane	3.57	64	17284m	0.505	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	122237	0.522	ppbv	98
9) Propene	3.02	41	43637	0.546	ppbv	97
10) Heptane	8.14	43	89474	0.380	ppbv	93
11) Trichlorofluoromethane	3.96	101	128124	0.508	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.50	101	80112	0.513	ppbv	95
13) Ethanol	3.63	45	18075m	1.204	ppbv	
14) Bromoethene	3.75	108	28789m	0.441	ppbv	
15) Acetone	3.87	43	118621m	0.563	ppbv	
16) 1,3-Butadiene	3.34	39	39642	0.393	ppbv	97
17) tert-Butyl alcohol	4.32	59	75828m	0.463	ppbv	
18) 1,1-Dichloroethene	4.30	96	31117	0.439	ppbv #	77
19) Isopropyl Alcohol	4.00	45	59028m	0.505	ppbv	
20) Methylene Chloride	4.36	84	38006m	0.559	ppbv	
21) Allyl Chloride	4.43	41	44965	0.383	ppbv	93
22) trans-1,2-Dichloroethene	4.90	96	31620m	0.491	ppbv	
23) Vinyl Acetate	5.10	43	88632m	0.358	ppbv	
24) 1,1-Dichloroethane	5.02	63	95178m	0.519	ppbv	
25) Ethyl Acetate	5.71	43	151677	0.373	ppbv #	93
26) Hexane	5.70	57	65399	0.391	ppbv #	81
27) Carbon Disulfide	4.57	76	59198	0.385	ppbv	97
28) Methyl tert-Butyl Ether	5.07	73	82277	0.377	ppbv	96
29) Chloroform	5.77	83	132163m	0.491	ppbv	
30) Cyclohexane	7.16	84	56838m	0.409	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	52581	0.318	ppbv #	93
32) 1,1,1-Trichloroethane	6.53	97	111857	0.444	ppbv	94
34) 2-Butanone	5.27	43	87719	0.353	ppbv	93
35) Carbon Tetrachloride	7.04	117	112250	0.448	ppbv #	83
36) Benzene	6.91	78	130141	0.410	ppbv	93
37) 1,2-Dichloroethane	6.32	62	90418	0.461	ppbv	98
38) Trichloroethene	7.86	130	47458	0.417	ppbv #	87
39) 1,2-Dichloropropane	7.64	63	62086	0.481	ppbv #	86
40) 1,4-Dioxane	7.89	88	19581m	0.438	ppbv	
41) Tetrahydrofuran	6.09	42	41498m	0.299	ppbv	
42) Bromodichloromethane	7.81	83	117879	0.448	ppbv	98
43) Methyl Methacrylate	8.04	69	39658	0.296	ppbv #	78

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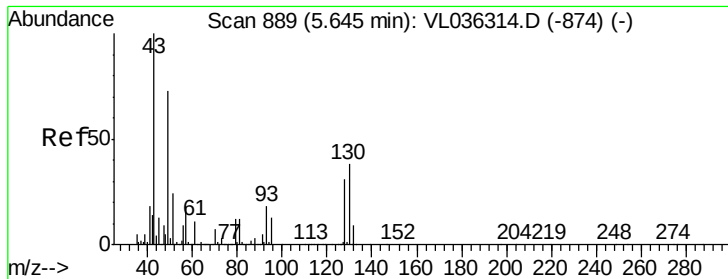
Manual Integrations
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 3/2/2021 3:30:18 PM

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 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	7.89	57	256174	0.444	ppbv	94
45) t-1,3-Dichloropropene	9.30	75	40005m	0.310	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	49026	0.299	ppbv	89
47) 1,1,2-Trichloroethane	9.49	97	59248	0.449	ppbv	90
48) Dibromochloromethane	10.33	129	81628m	0.414	ppbv	
49) Bromoform	13.06	173	65060m	0.409	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	140231m	0.380	ppbv	
51) 2-Hexanone	10.18	43	89346m	0.319	ppbv	
52) Tetrachloroethene	11.25	164	47340m	0.407	ppbv	
53) Toluene	9.83	91	119409	0.347	ppbv	100
54) 1,2-Dibromoethane	10.64	107	79508	0.417	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.15	131	78016	0.501	ppbv #	1
57) Chlorobenzene	12.17	112	132634m	0.507	ppbv	
58) Ethyl Benzene	12.74	91	167902	0.362	ppbv	93
59) m/p-Xylene	13.01	91	337597m	0.829	ppbv	
60) o-Xylene	13.72	91	172794	0.444	ppbv	98
61) Styrene	13.55	104	68787	0.285	ppbv	94
62) Isopropylbenzene	14.69	105	261219	0.447	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	150736m	0.490	ppbv	
64) n-propylbenzene	15.58	120	57359m	0.399	ppbv	
65) tert-Butylbenzene	16.77	119	208076	0.417	ppbv	89
66) Benzyl Chloride	17.03	91	46042m	0.339	ppbv	
67) sec-Butylbenzene	17.32	105	294125	0.408	ppbv	97
69) p-Isopropyltoluene	17.69	119	211128	0.379	ppbv	95
70) n-Butylbenzene	18.58	91	226763	0.380	ppbv	94
71) 2-Chlorotoluene	15.48	91	178880	0.400	ppbv	99
72) 4-Ethyltoluene	15.87	105	149644	0.345	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.02	105	156194m	0.372	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	182508m	0.425	ppbv	
75) 1,3-Dichlorobenzene	17.02	146	108199	0.465	ppbv	91
76) 1,4-Dichlorobenzene	17.17	146	108644m	0.449	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	104000m	0.450	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	92137m	0.488	ppbv	
79) Naphthalene	22.24	128	46401m	0.182	ppbv	
80) Naphthalene,2-methyl-	25.05	142	2488	0.053	ppbv #	32
81) 1,2,4-Trichlorobenzene	21.97	180	42641m	0.275	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.04 min

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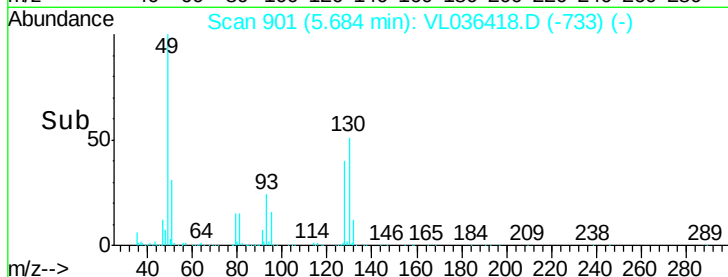
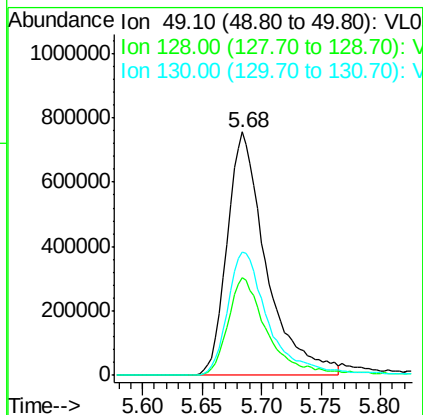
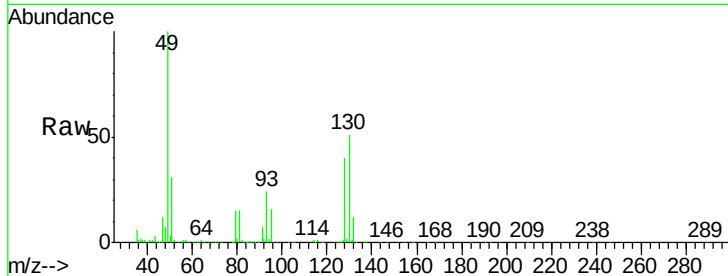
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 49 Resp: 1724852

Ion	Ratio	Lower	Upper
49	100		
128	40.8	20.8	62.5
130	54.1	26.7	80.1

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#2

Dichlorodifluoromethane

Concen: 0.577 ppbv

RT: 3.06 min Scan# 84

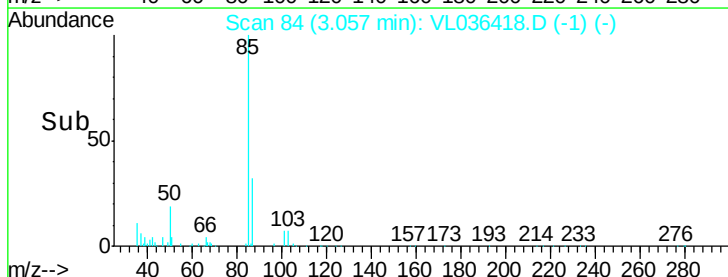
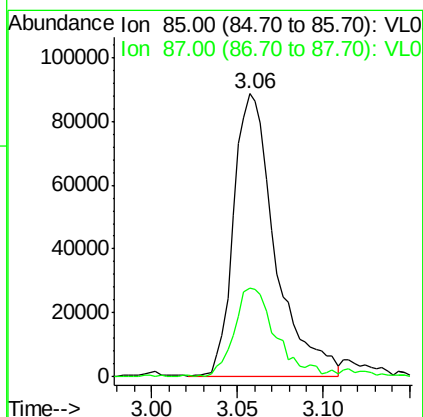
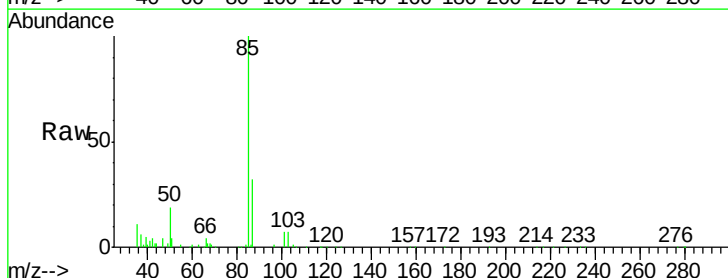
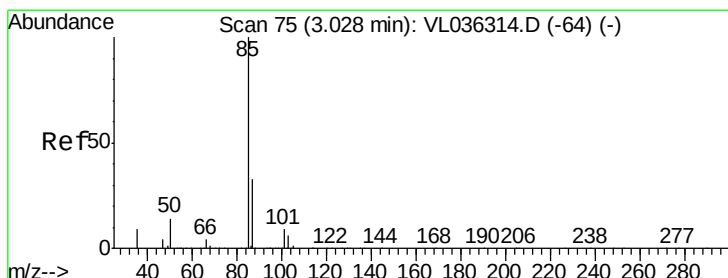
Delta R.T. 0.03 min

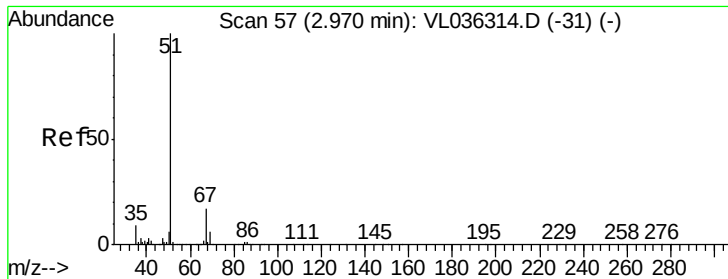
Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Tgt Ion: 85 Resp: 148452

Ion	Ratio	Lower	Upper
85	100		
87	31.1	26.5	39.7





#3

Chlorodifluoromethane

Concen: 0.504 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.03 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 51 Resp: 107971

Ion Ratio Lower Upper

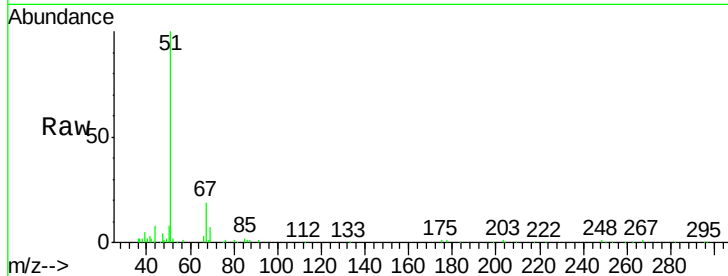
51 100

67 18.2 14.7 22.1

Manual Integrations
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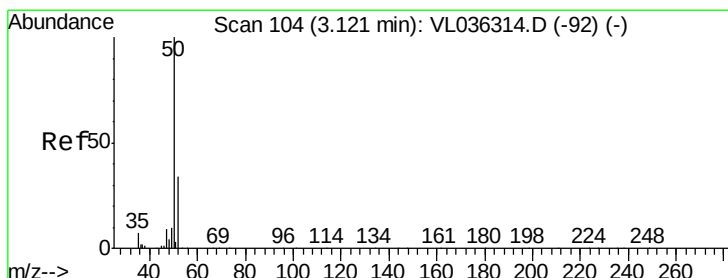
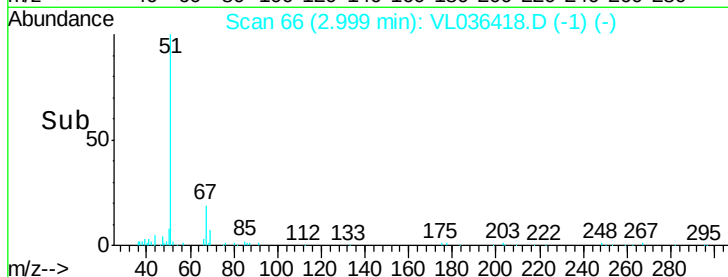
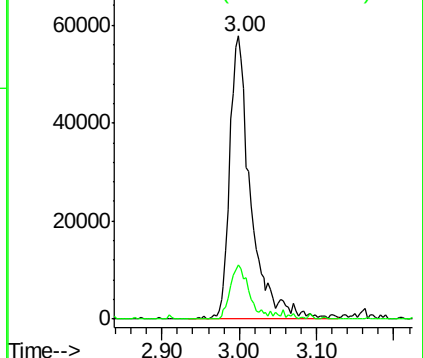
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.510 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.03 min

Lab File: VL036418.D

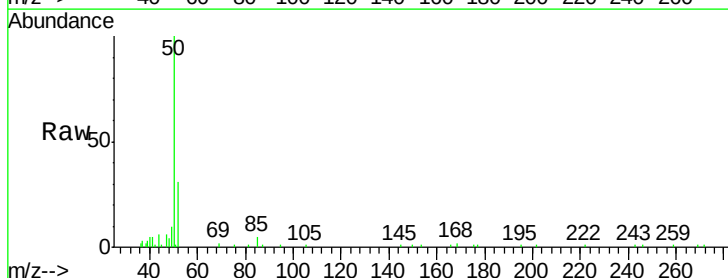
Acq: 1 Mar 2021 17:14

Tgt Ion: 50 Resp: 52796

Ion Ratio Lower Upper

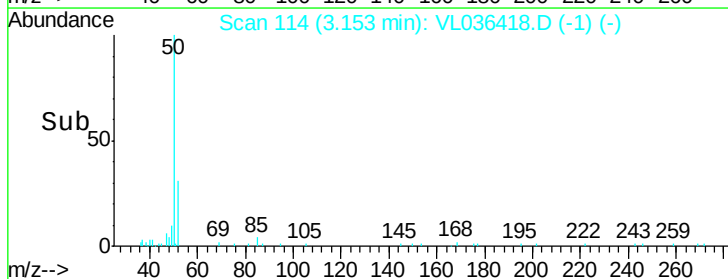
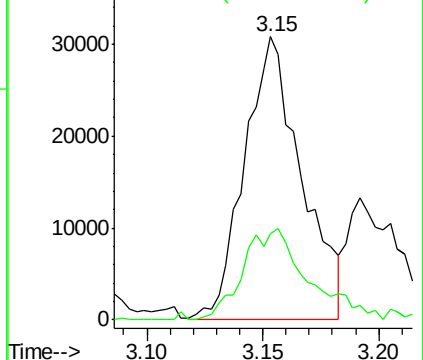
50 100

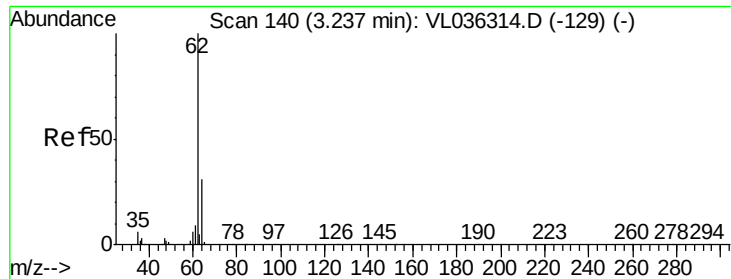
52 30.8 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.454 ppbv

RT: 3.27 min Scan# 151

Delta R.T. 0.04 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 62 Resp: 43806

Ion Ratio Lower Upper

62 100

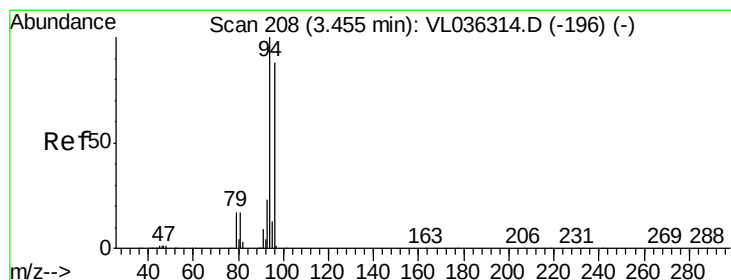
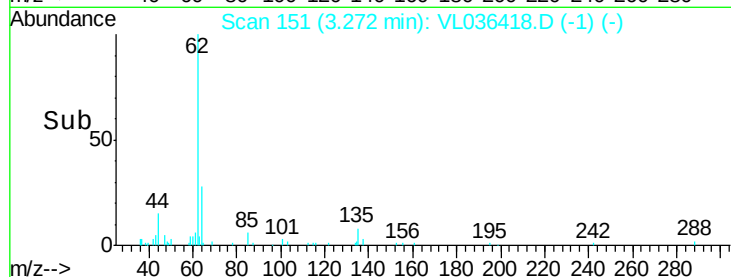
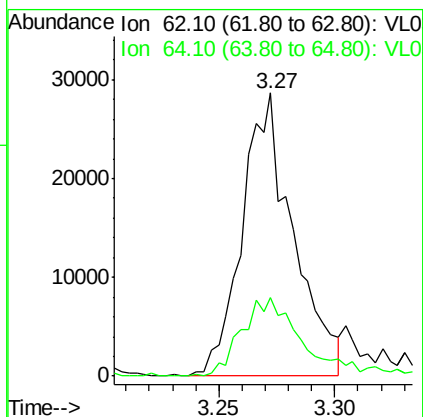
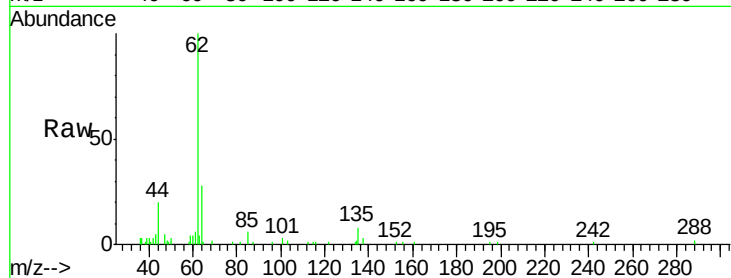
64 27.8 24.4 36.6

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#6

Bromomethane

Concen: 0.517 ppbv m

RT: 3.49 min Scan# 219

Delta R.T. 0.04 min

Lab File: VL036418.D

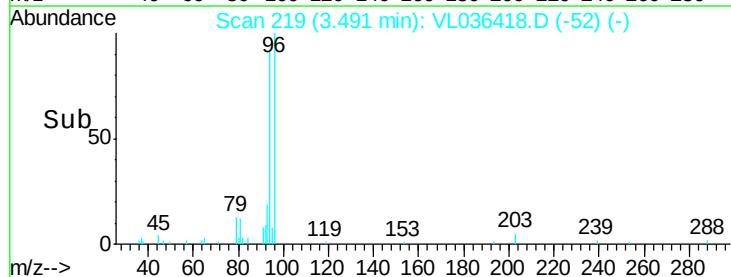
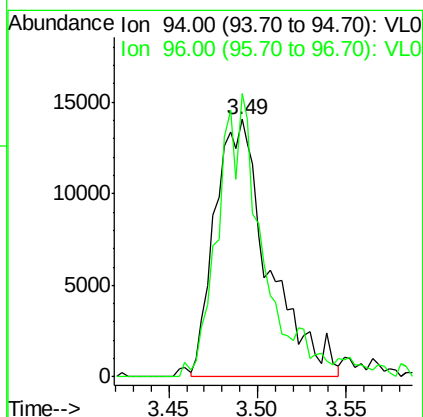
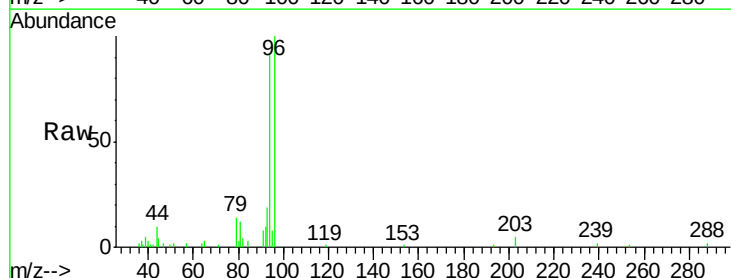
Acq: 1 Mar 2021 17:14

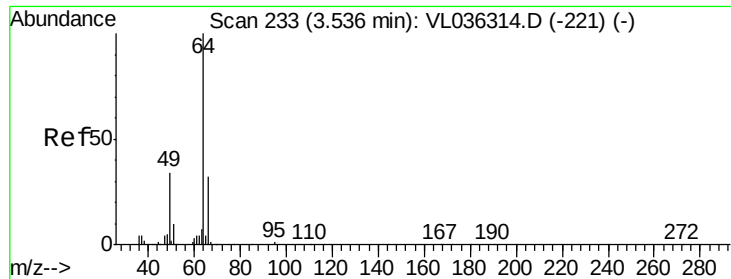
Tgt Ion: 94 Resp: 29634

Ion Ratio Lower Upper

94 100

96 109.9 70.8 106.2#





#7

Chloroethane

Concen: 0.505 ppbv m

RT: 3.57 min Scan# 245

Delta R.T. 0.04 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 64 Resp: 17284

Ion Ratio Lower Upper

64 100

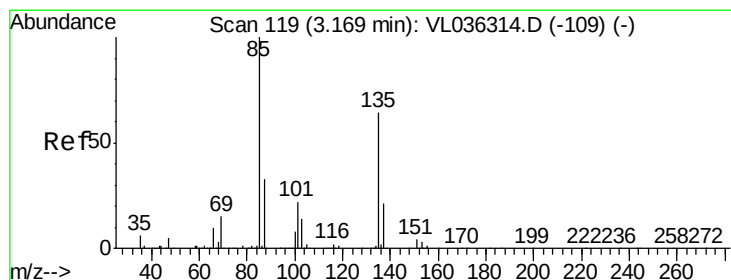
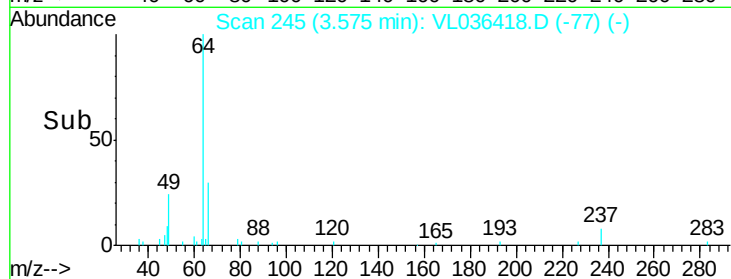
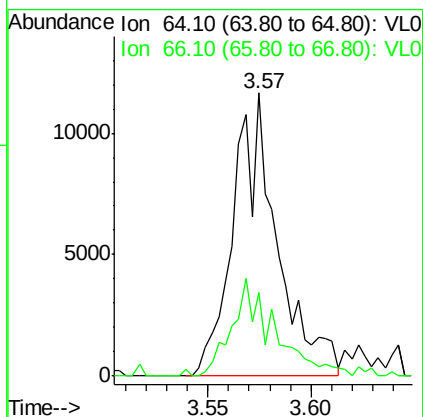
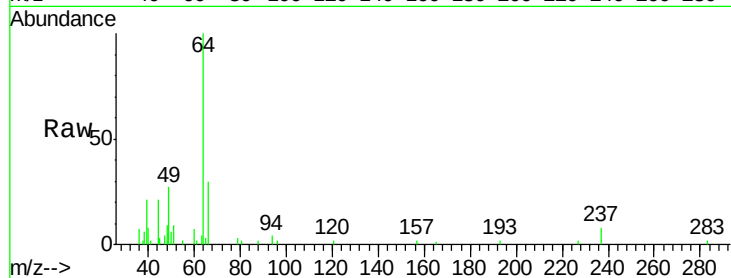
66 29.6 25.6 38.4

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#8

Dichlorotetrafluoroethane

Concen: 0.522 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.03 min

Lab File: VL036418.D

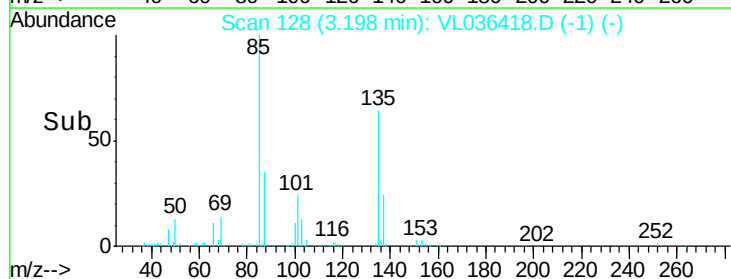
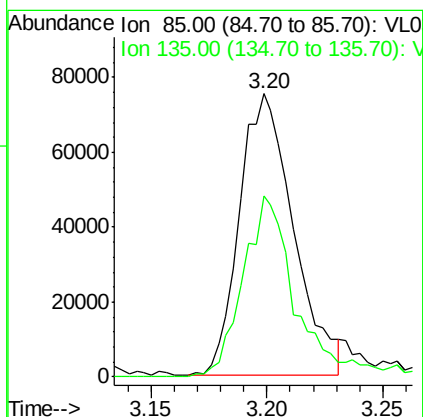
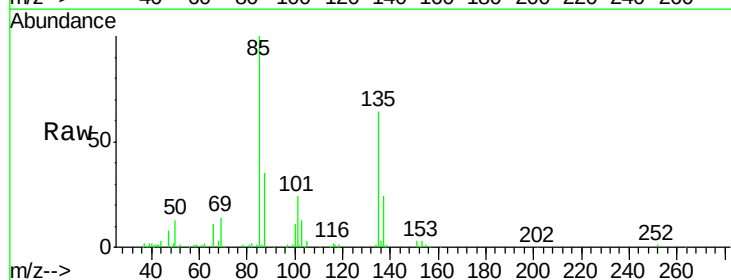
Acq: 1 Mar 2021 17:14

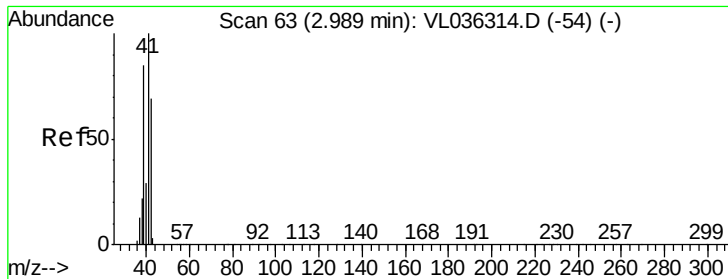
Tgt Ion: 85 Resp: 122237

Ion Ratio Lower Upper

85 100

135 65.6 51.1 76.7





#9

Propene

Concen: 0.546 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.03 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

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ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 41 Resp: 43637

Ion Ratio Lower Upper

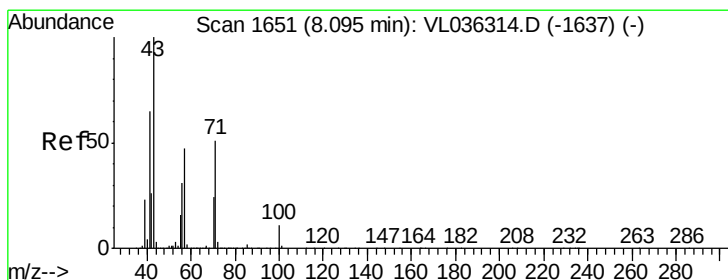
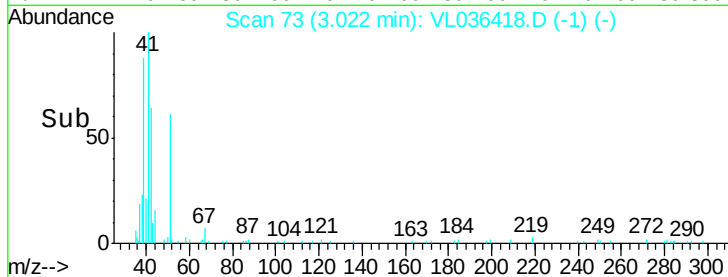
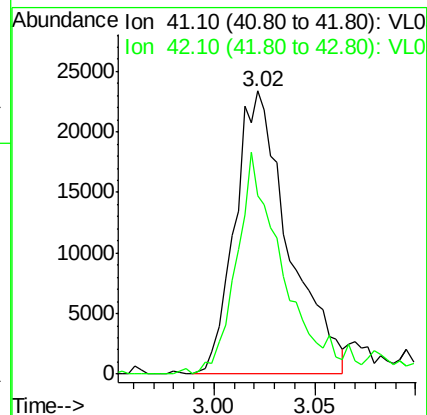
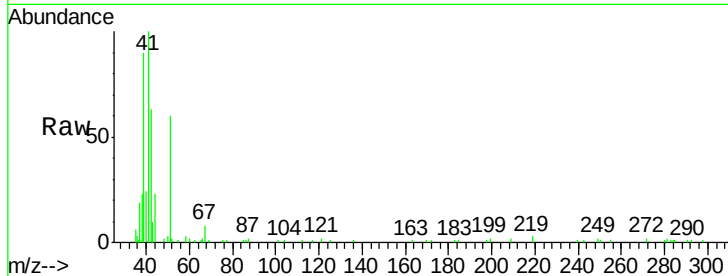
41 100

42 67.8 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 0.380 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.05 min

Lab File: VL036418.D

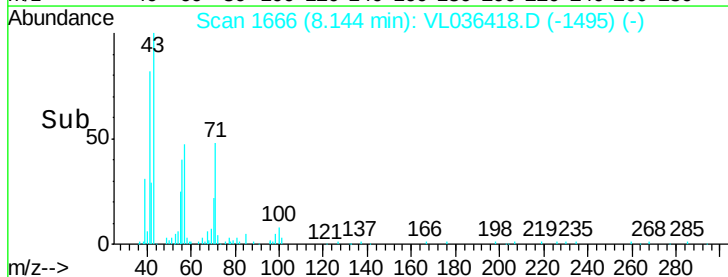
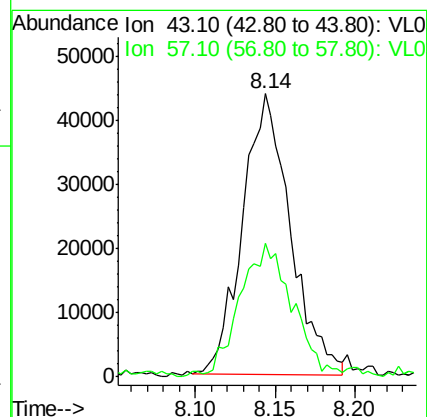
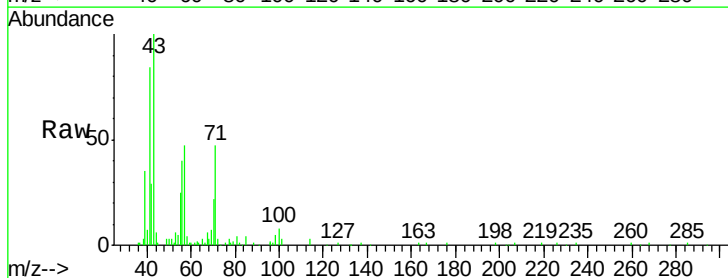
Acq: 1 Mar 2021 17:14

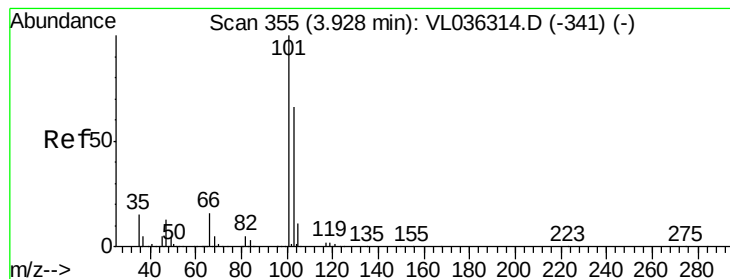
Tgt Ion: 43 Resp: 89474

Ion Ratio Lower Upper

43 100

57 54.1 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.508 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.04 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

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Tgt Ion:101 Resp: 128124

Ion Ratio Lower Upper

101 100

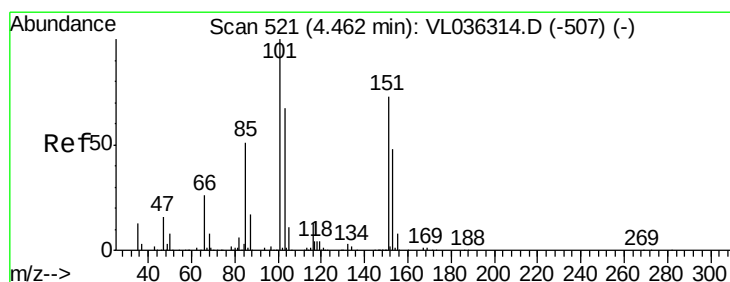
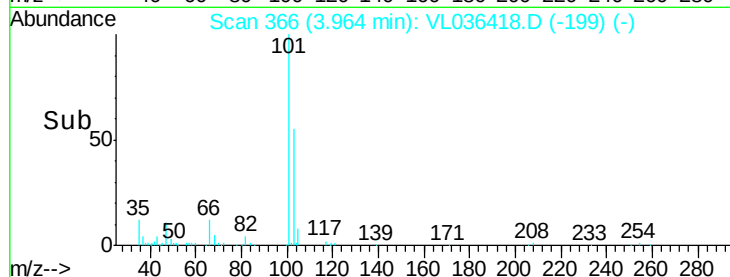
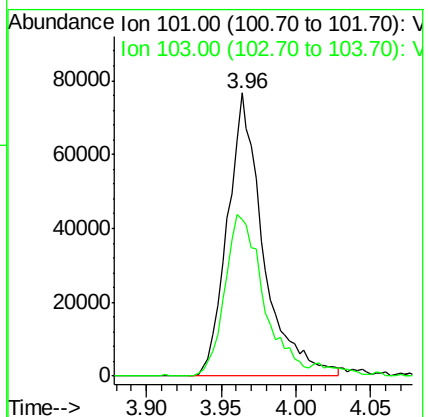
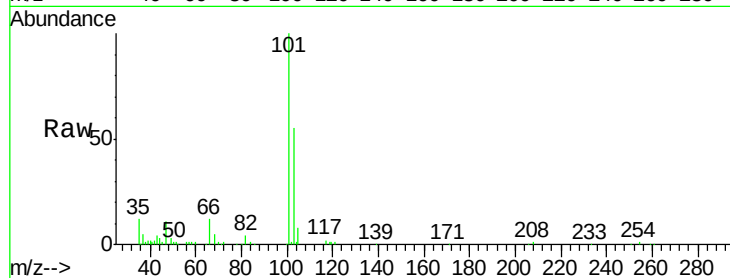
103 55.3 52.9 79.3

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.513 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.04 min

Lab File: VL036418.D

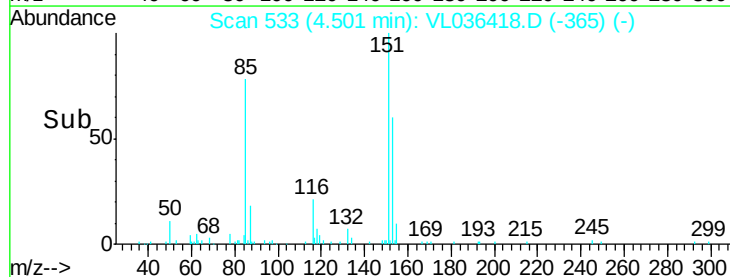
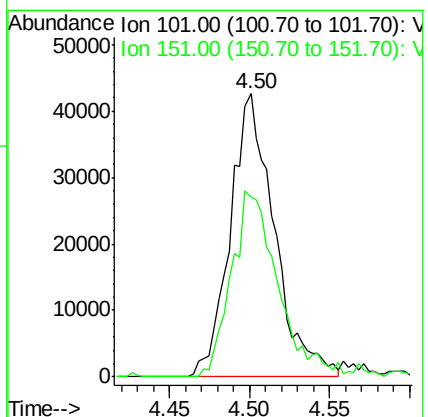
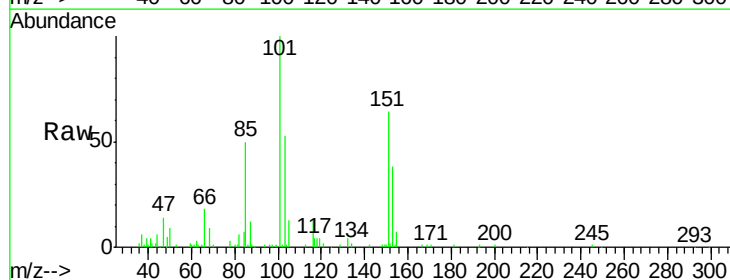
Acq: 1 Mar 2021 17:14

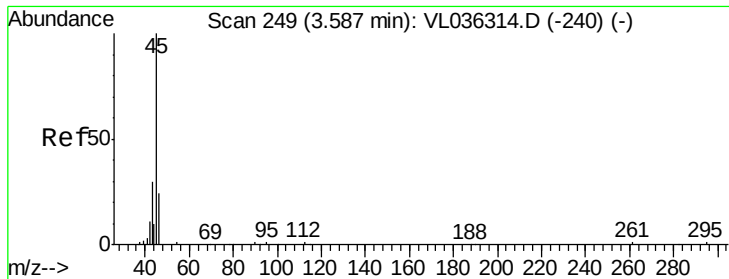
Tgt Ion:101 Resp: 80112

Ion Ratio Lower Upper

101 100

151 69.0 58.2 87.4





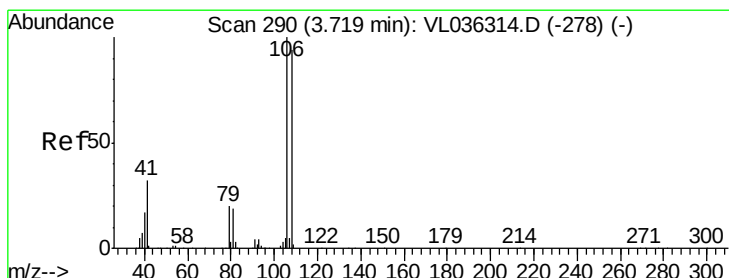
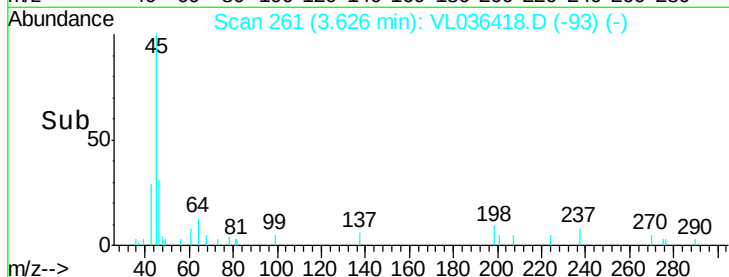
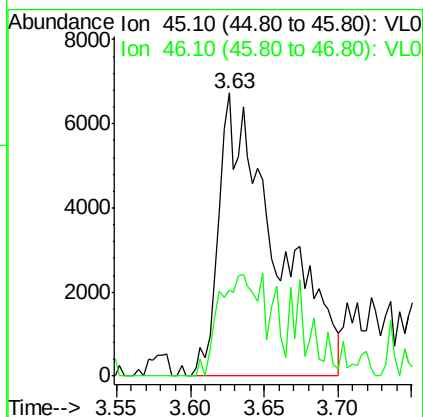
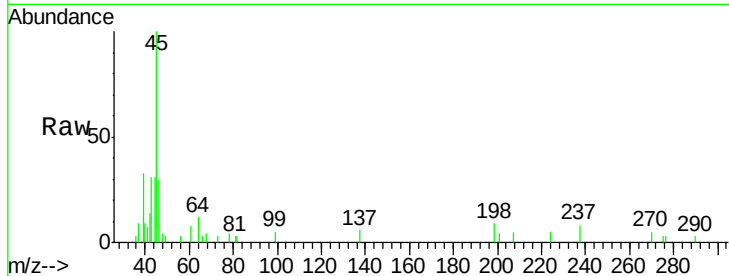
#13
Ethanol
Concen: 1.204 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion: 45 Resp: 18075
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

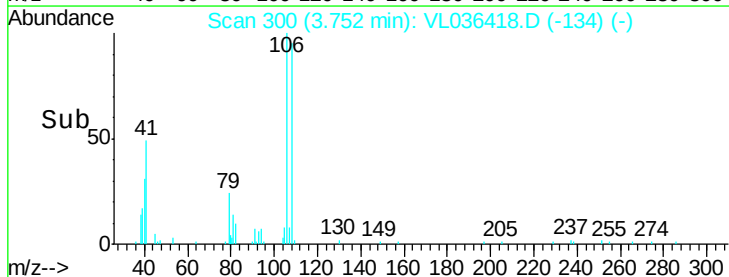
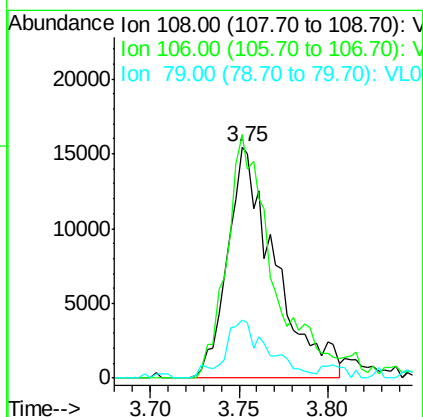
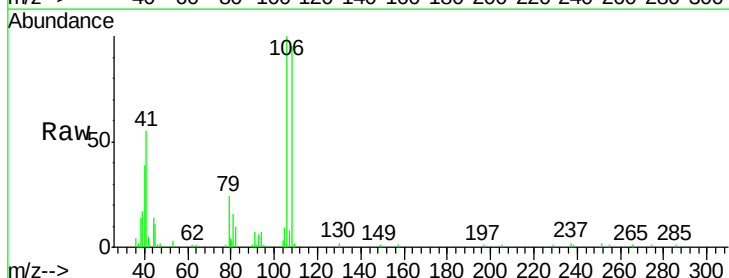
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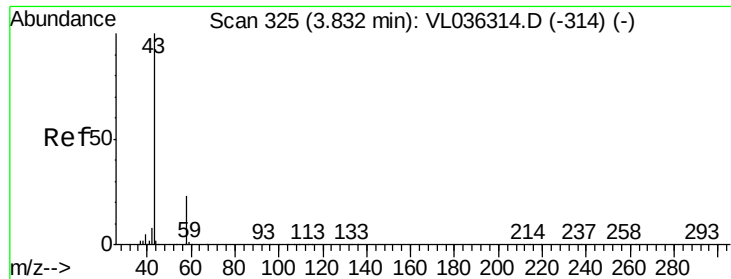
MMDadoda
3/2/2021 3:30:18 PM



#14
Bromoethene
Concen: 0.441 ppbv m
RT: 3.75 min Scan# 300
Delta R.T. 0.03 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion: 108 Resp: 28789
Ion Ratio Lower Upper
108 100
106 106.6 89.8 134.8
79 23.6 17.1 25.7





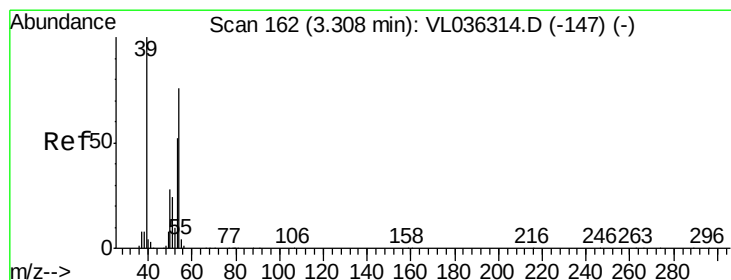
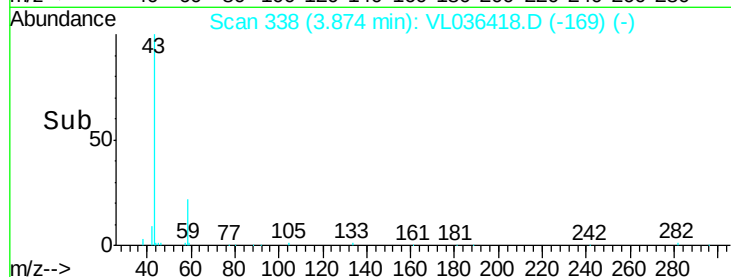
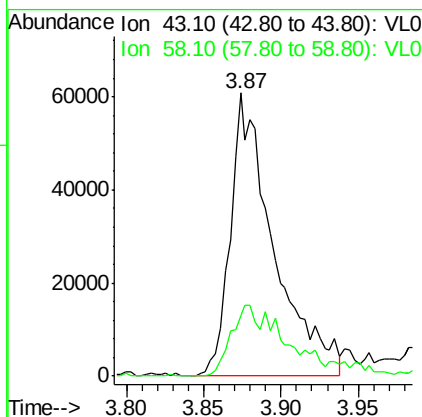
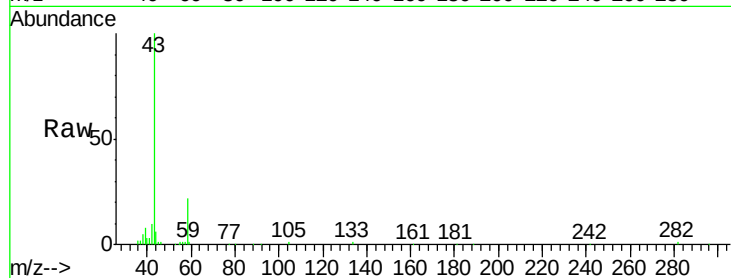
#15
Acetone
Concen: 0.563 ppbv m
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion: 43 Resp: 118621
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#

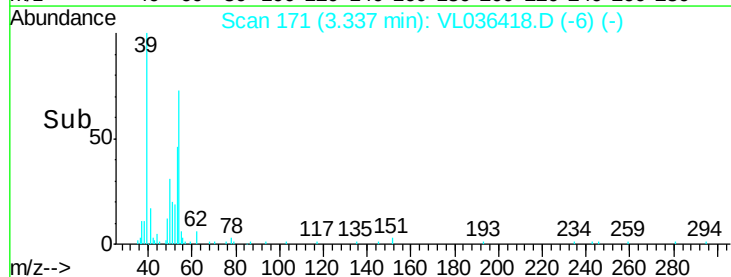
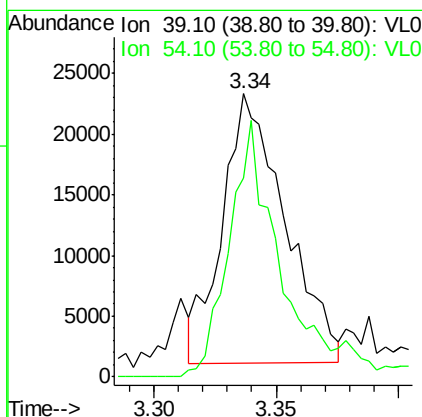
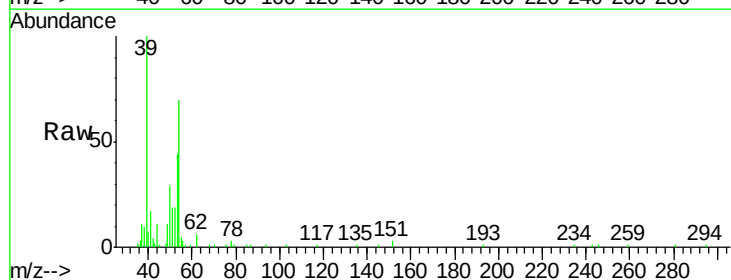
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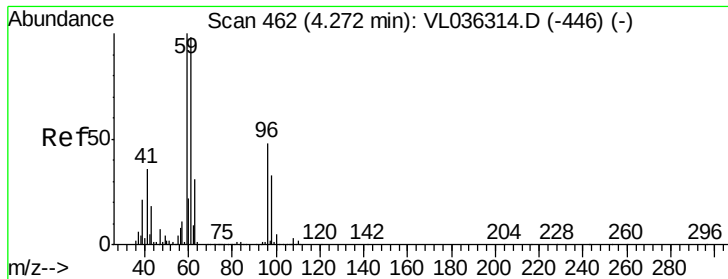
MMDadoda
3/2/2021 3:30:18 PM



#16
1,3-Butadiene
Concen: 0.393 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.03 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion: 39 Resp: 39642
Ion Ratio Lower Upper
39 100
54 83.3 64.4 96.6





#17

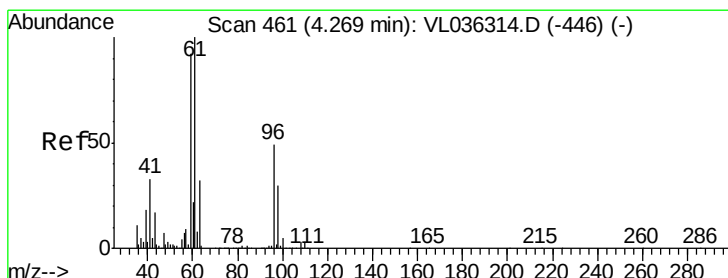
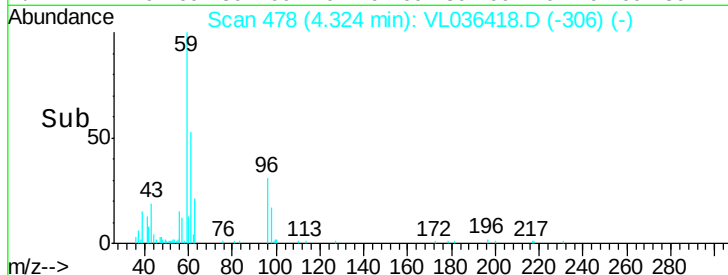
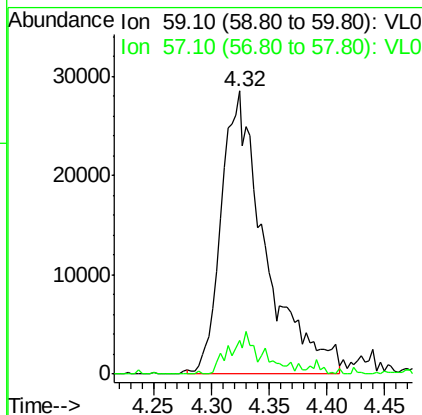
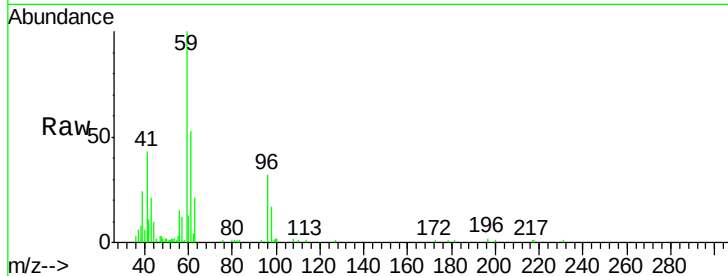
tert-Butyl alcohol
 Concen: 0.463 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

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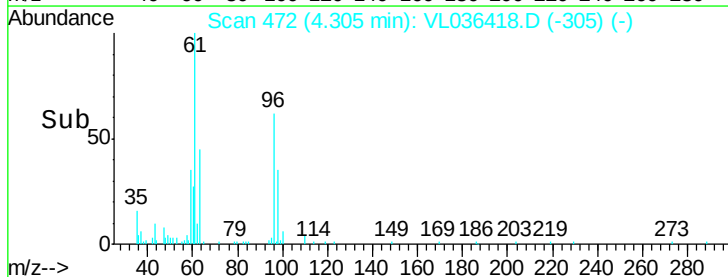
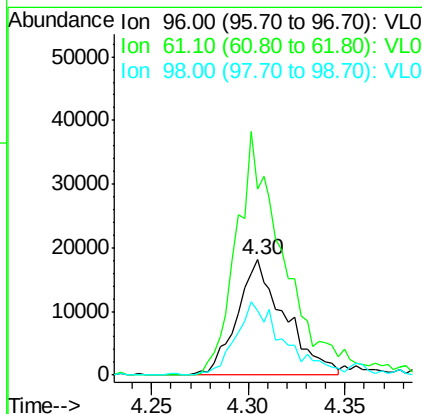
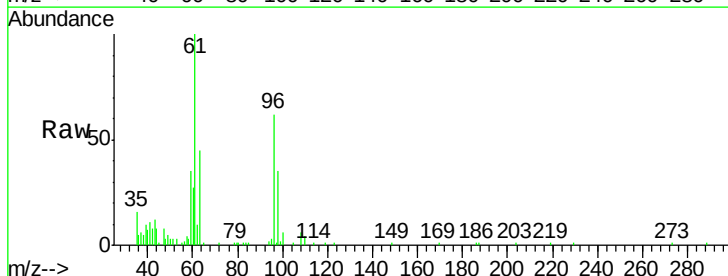
MMDadoda
 3/2/2021 3:30:18 PM

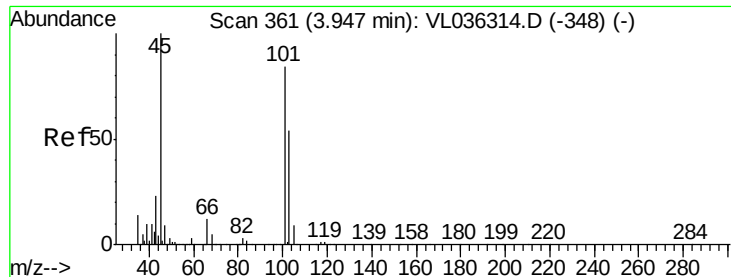


#18

1,1-Dichloroethene
 Concen: 0.439 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	162.5	243.7#
98	56.3	48.5	72.7





#19

Isopropyl Alcohol

Concen: 0.505 ppbv m

RT: 4.00 min Scan# 378

Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 45 Resp: 59028

Ion Ratio Lower Upper

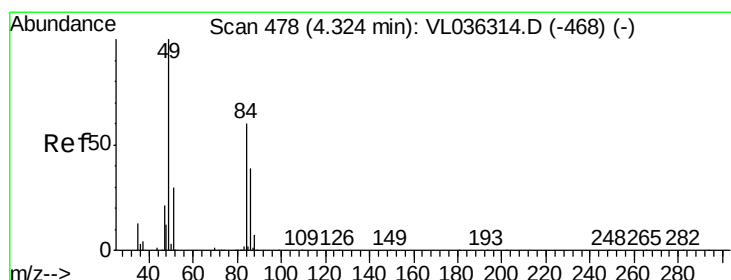
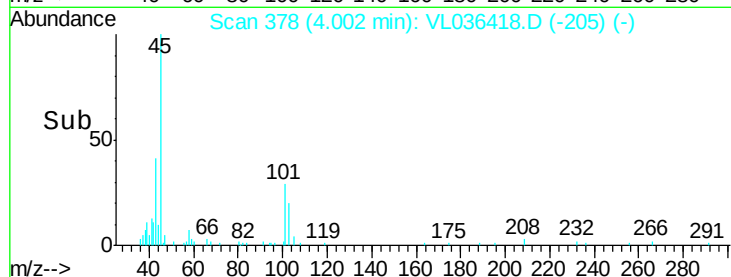
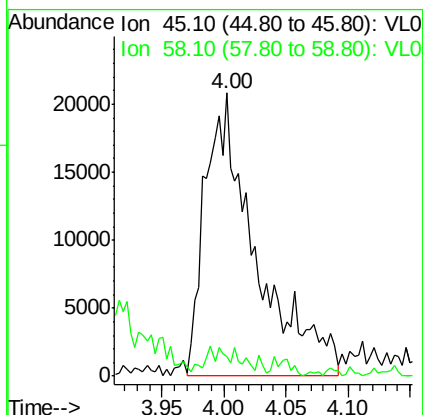
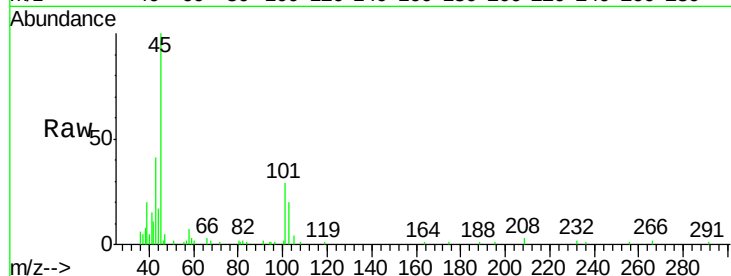
45 100

58 0.0 1.9 2.9#

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#20

Methylene Chloride

Concen: 0.559 ppbv m

RT: 4.36 min Scan# 489

Delta R.T. 0.04 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Tgt Ion: 84 Resp: 38006

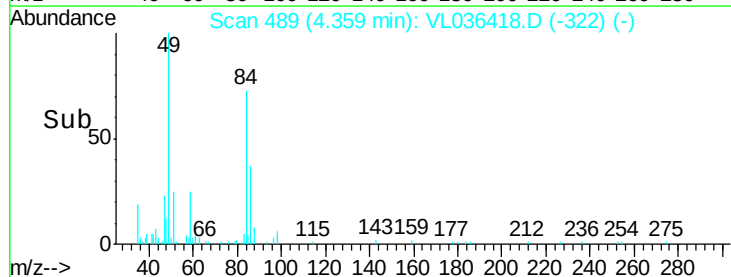
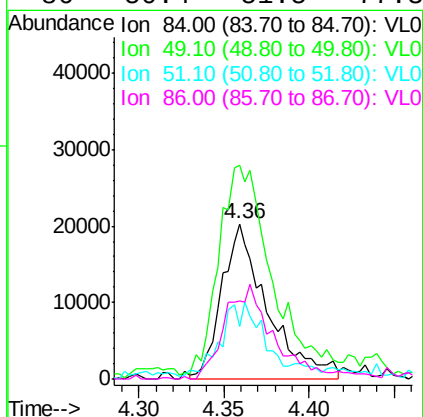
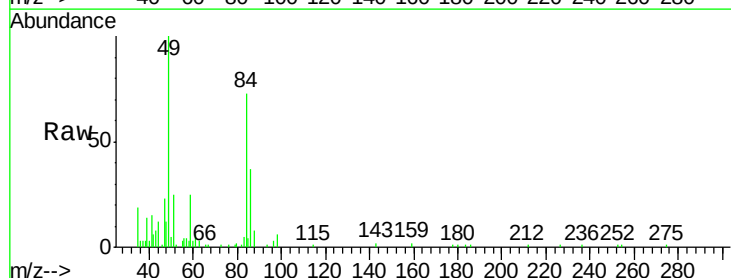
Ion Ratio Lower Upper

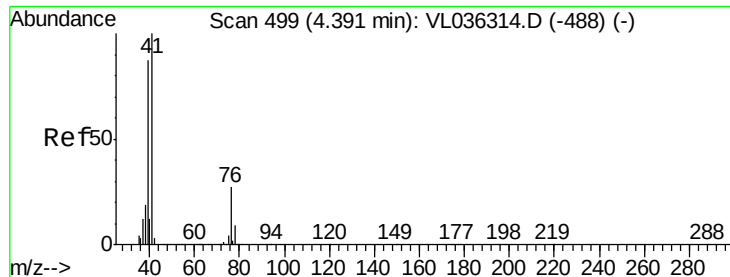
84 100

49 137.4 133.8 200.8

51 33.7 41.4 62.0#

86 50.4 51.5 77.3#





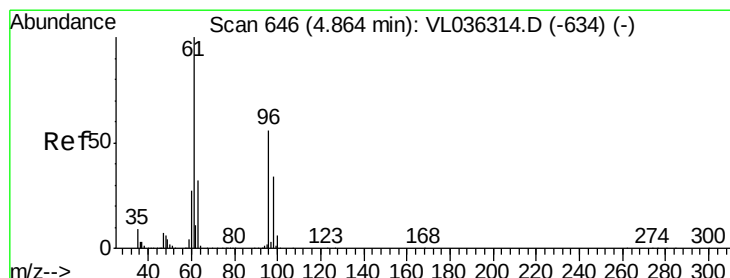
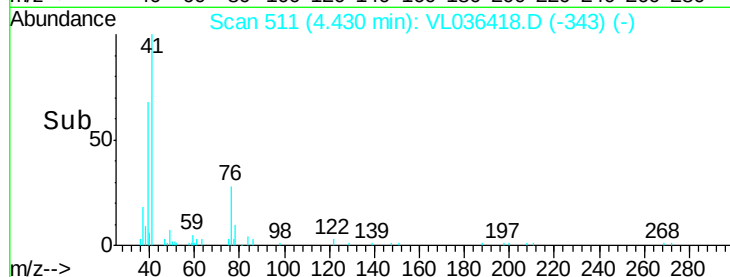
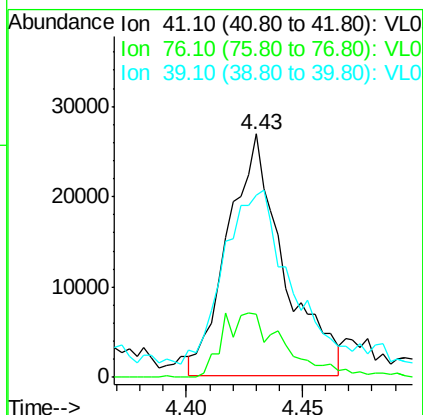
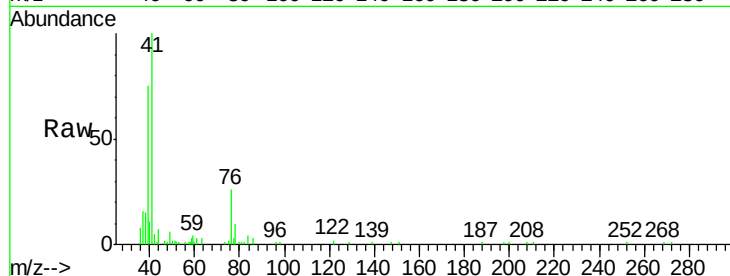
#21
 Allyl Chloride
 Concen: 0.383 ppbv
 RT: 4.43 min Scan# 511
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.6	22.0	33.0
39	94.2	70.2	105.2

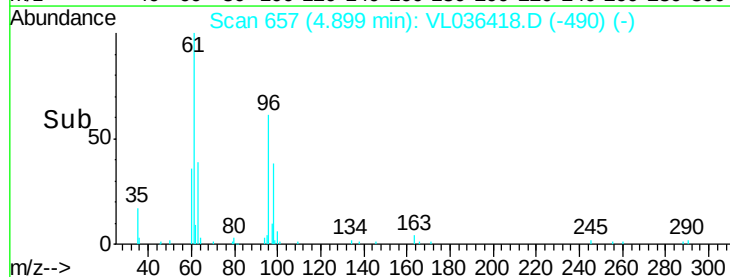
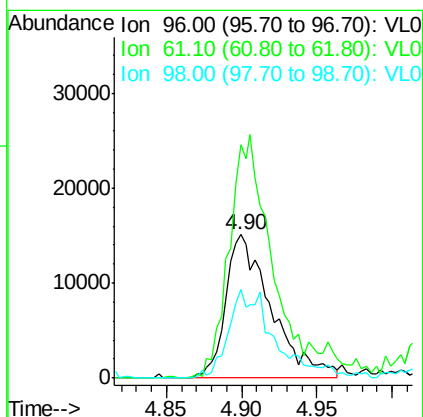
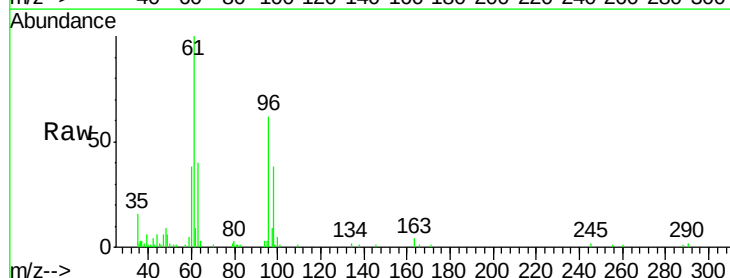
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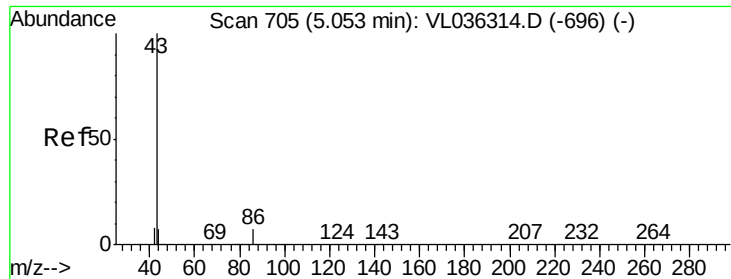
MMDadoda
 3/2/2021 3:30:18 PM



#22
 trans-1,2-Dichloroethene
 Concen: 0.491 ppbv m
 RT: 4.90 min Scan# 657
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	143.7	215.5
98	62.0	48.5	72.7





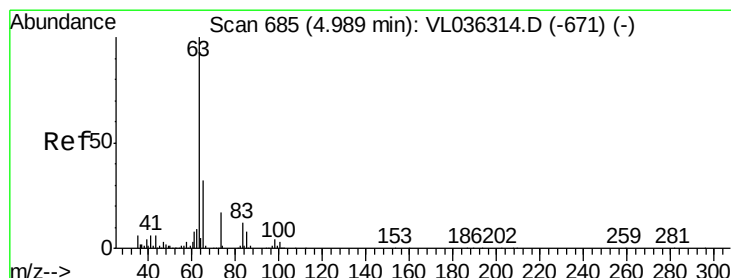
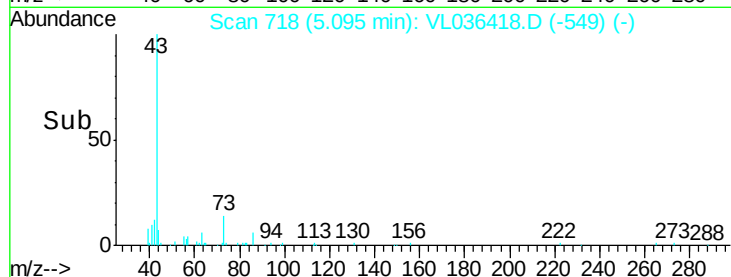
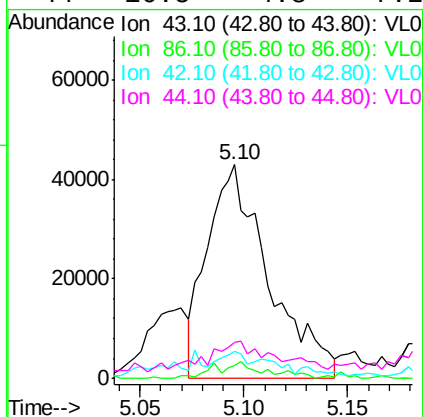
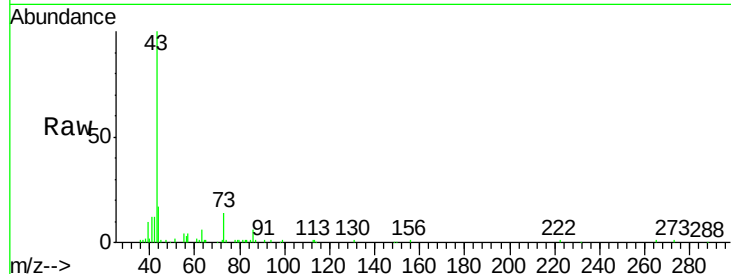
#23
 Vinyl Acetate
 Concen: 0.358 ppbv m
 RT: 5.10 min Scan# 718
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.8	7.2
42	12.4	7.4	11.0#
44	16.5	4.8	7.2#

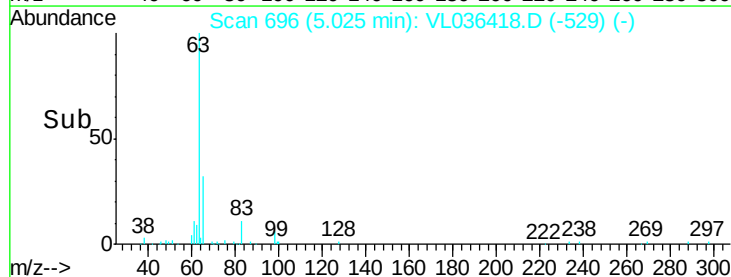
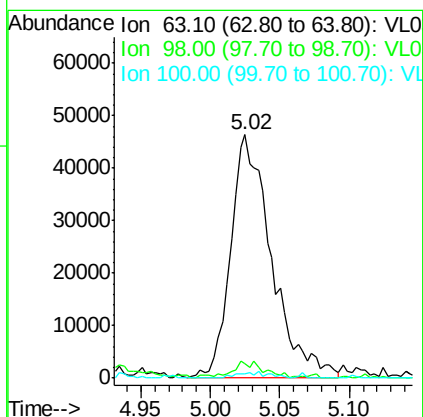
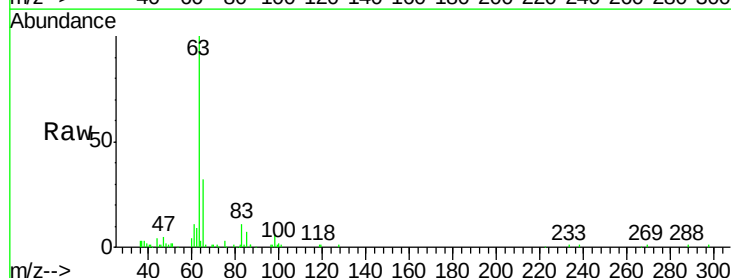
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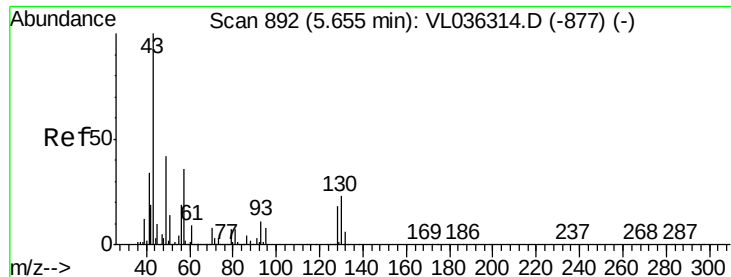
MMDadoda
 3/2/2021 3:30:18 PM



#24
 1,1-Dichloroethane
 Concen: 0.519 ppbv m
 RT: 5.02 min Scan# 696
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.0	6.0#
100	1.9	1.5	4.4





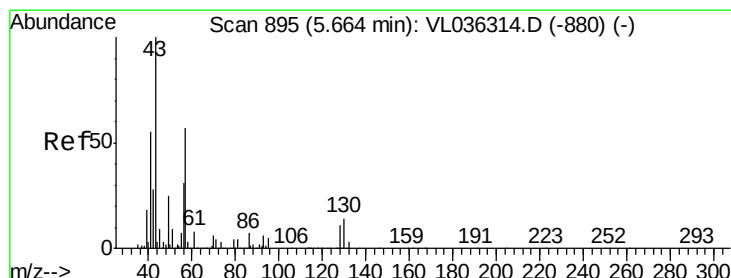
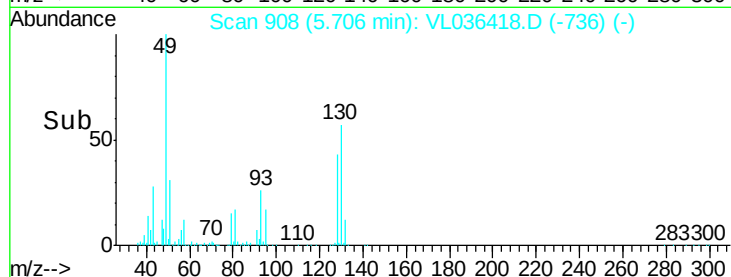
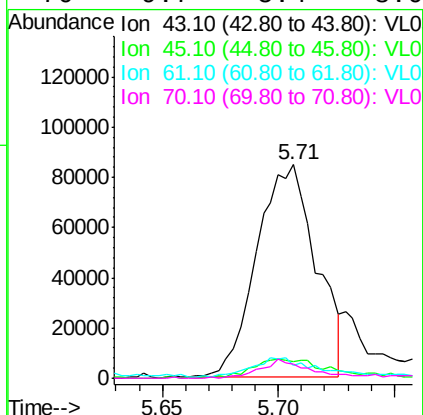
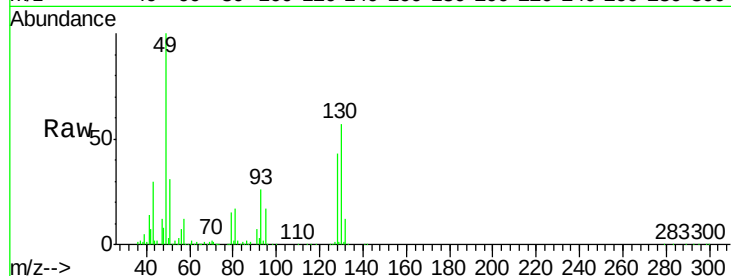
#25
Ethyl Acetate
Concen: 0.373 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.3	8.3	12.5
61	12.2	7.3	10.9
70	9.7	5.4	8.0

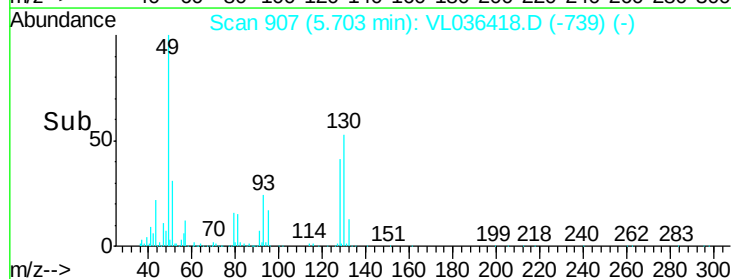
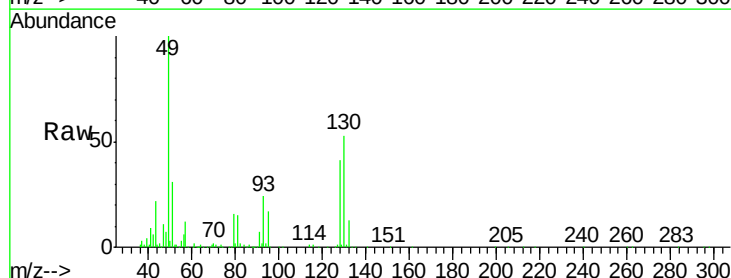
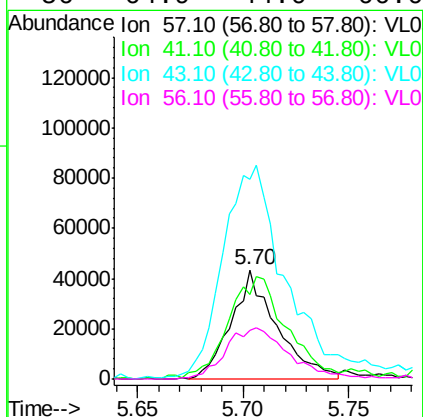
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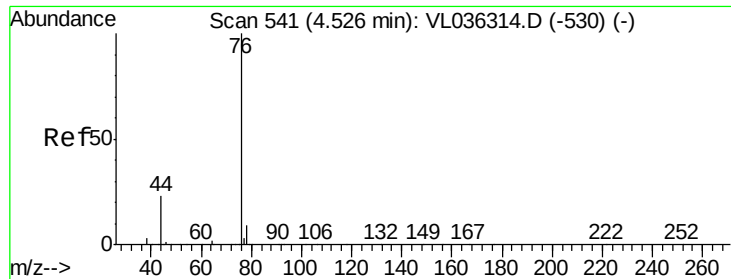
MMDadoda
3/2/2021 3:30:18 PM



#26
Hexane
Concen: 0.391 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	128.2	81.7	122.5
43	279.0	199.1	298.7
56	64.9	44.0	66.0





#27

Carbon Disulfide

Concen: 0.385 ppbv

RT: 4.57 min Scan# 555

Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

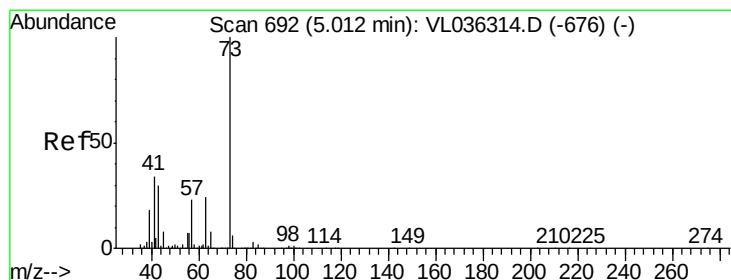
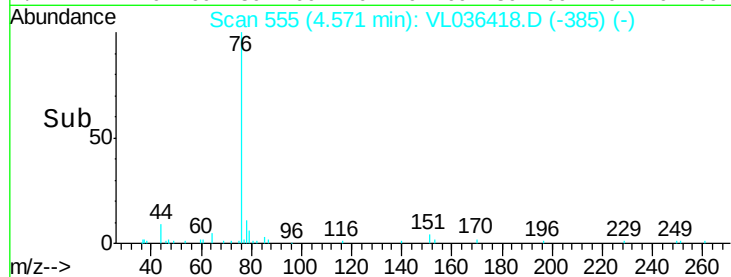
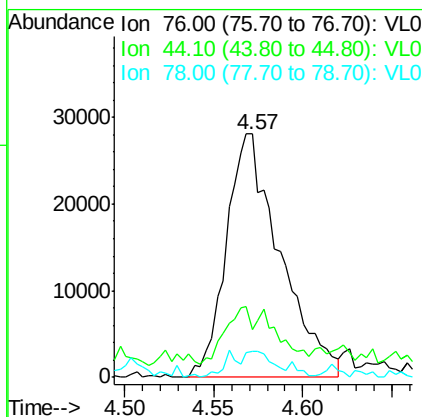
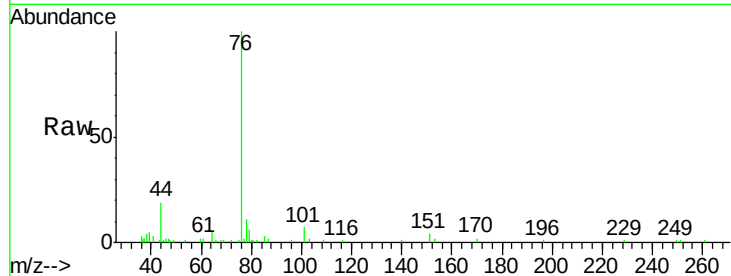
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	76	Resp:	59198
Ion	Ratio	Lower	Upper
76	100		
44	21.7	18.4	27.6
78	11.1	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.377 ppbv

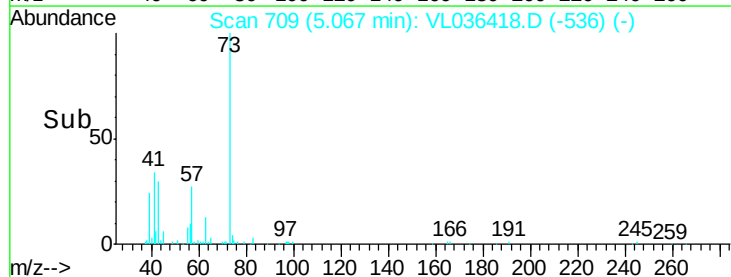
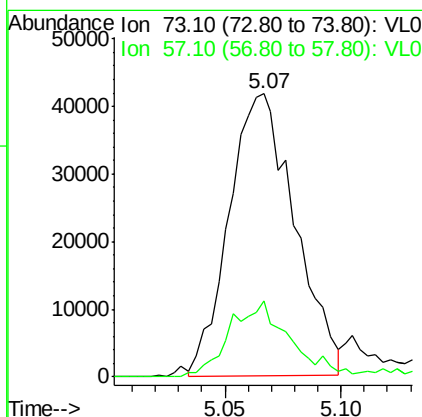
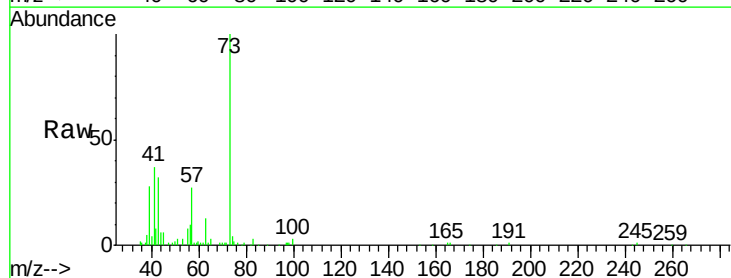
RT: 5.07 min Scan# 709

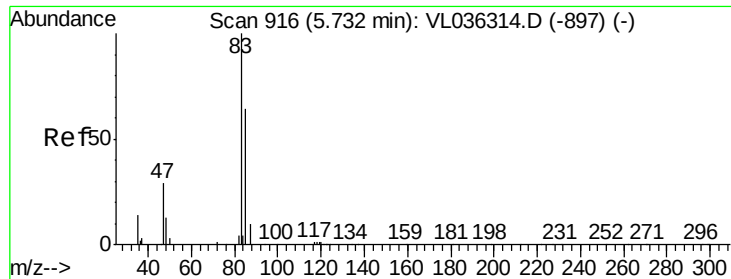
Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Tgt Ion:	73	Resp:	82277
Ion	Ratio	Lower	Upper
73	100		
57	25.9	19.2	28.8





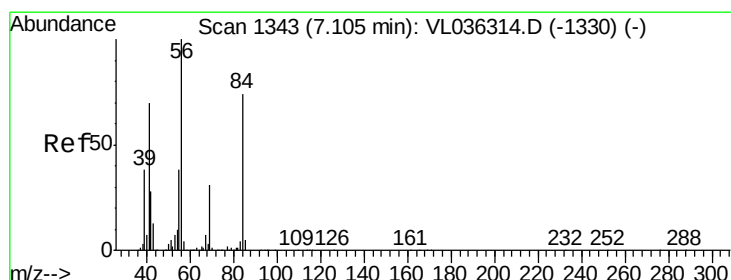
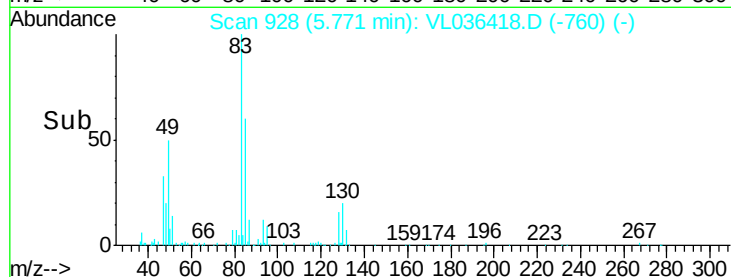
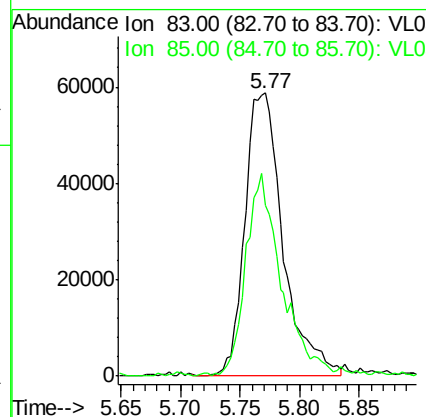
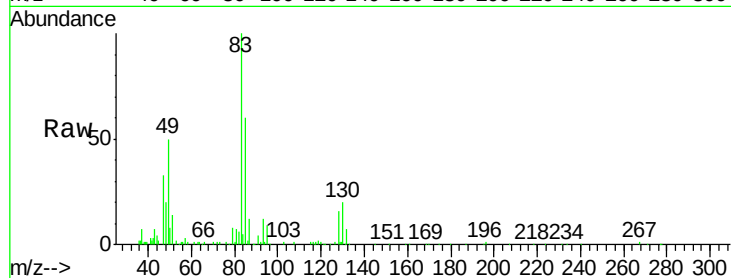
#29
Chloroform
Concen: 0.491 ppbv m
RT: 5.77 min Scan# 928
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion: 83 Resp: 132163
Ion Ratio Lower Upper
83 100
85 60.2 51.4 77.2

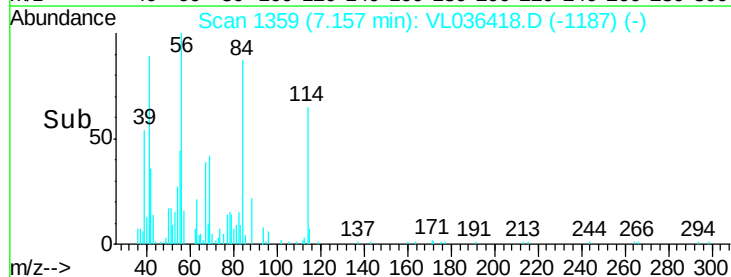
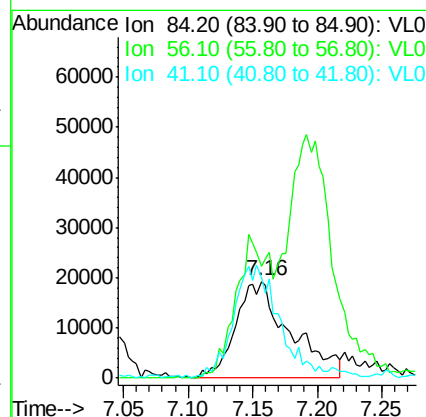
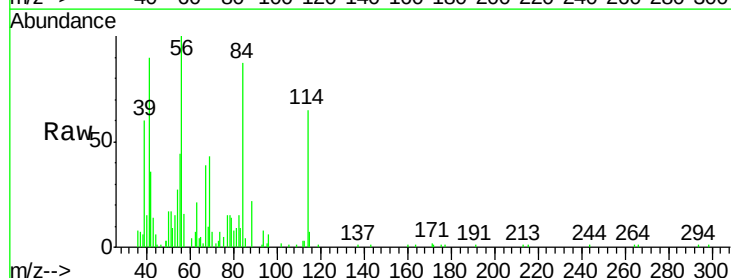
Manual Integrations
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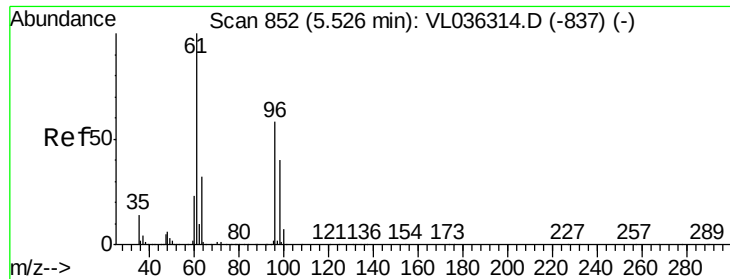
MMDadoda
3/2/2021 3:30:18 PM



#30
Cyclohexane
Concen: 0.409 ppbv m
RT: 7.16 min Scan# 1359
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion: 84 Resp: 56838
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 103.7 79.7 119.5





#31

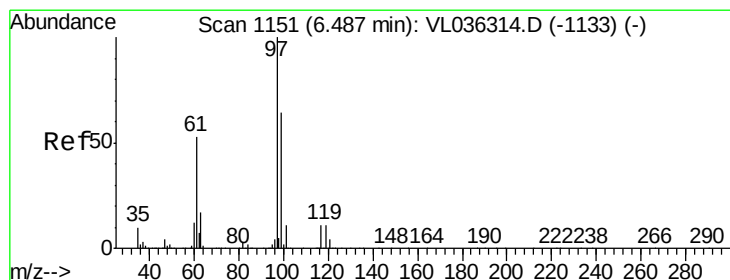
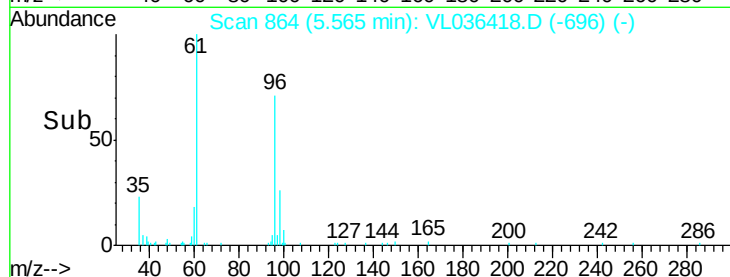
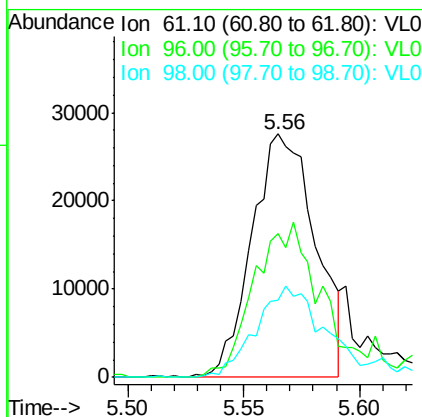
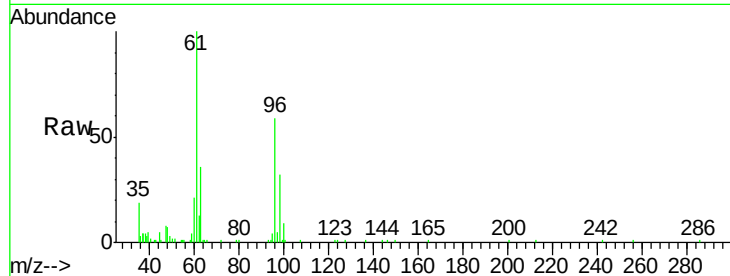
cis-1,2-Dichloroethene
 Concen: 0.318 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
61	100		
96	58.9	46.0	69.0
98	31.7	31.9	47.9#

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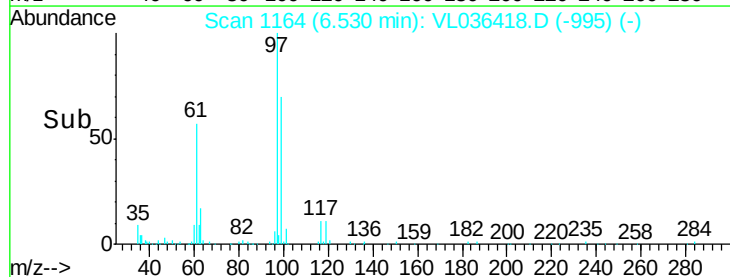
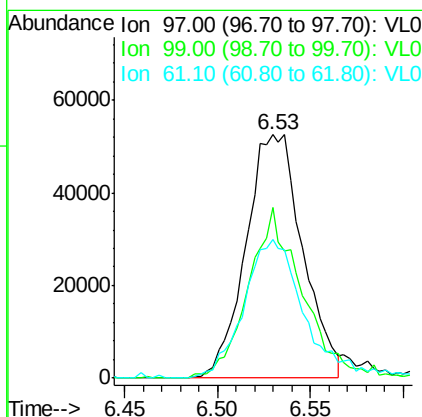
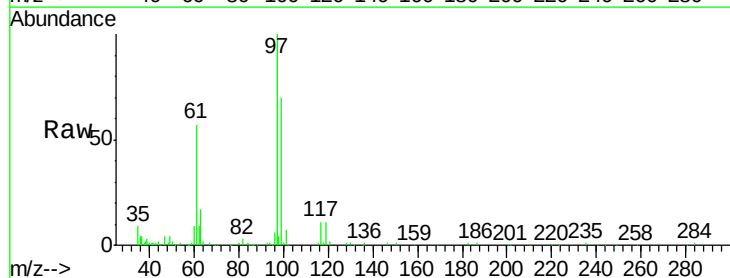
MMDadoda
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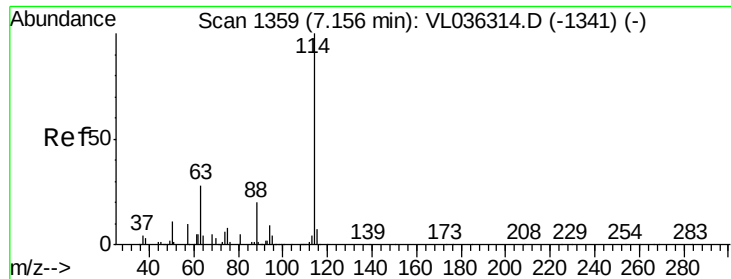


#32

1,1,1-Trichloroethane
 Concen: 0.444 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.7	52.2	78.4
61	61.6	43.3	64.9





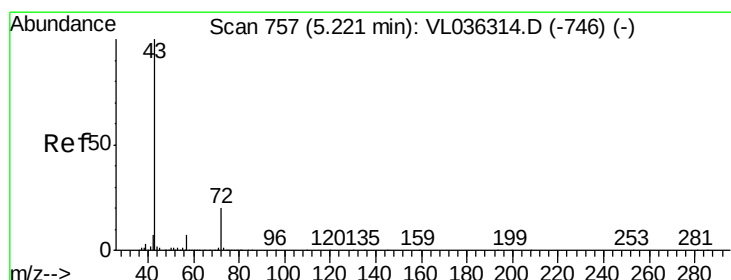
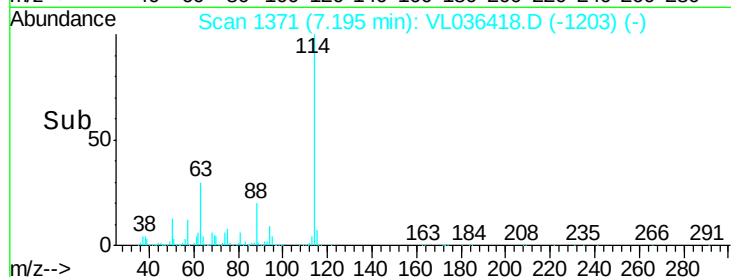
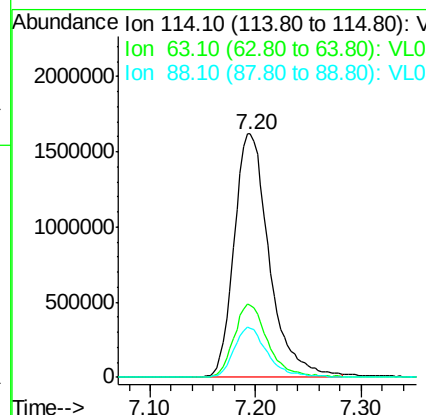
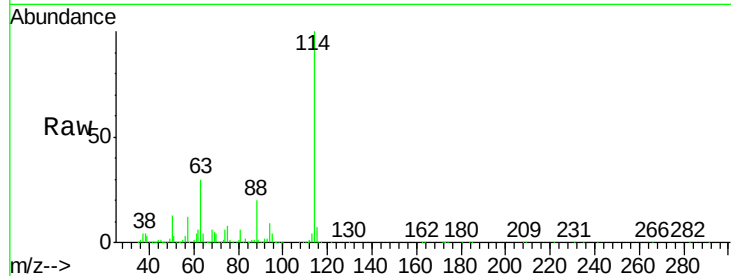
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion: 114 Resp: 3737508
 Ion Ratio Lower Upper
 114 100
 63 29.4 24.1 36.1
 88 19.8 16.0 24.0

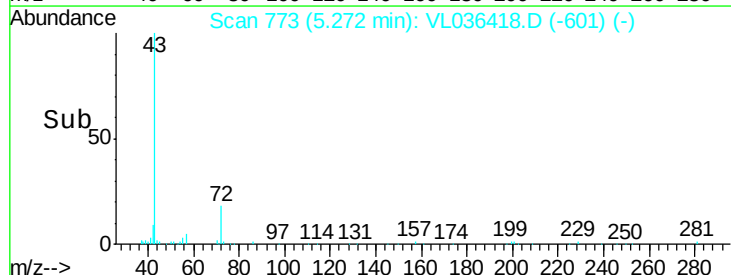
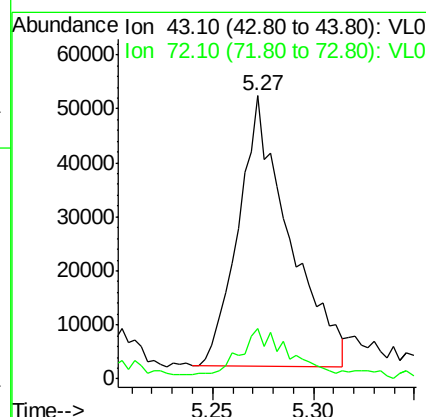
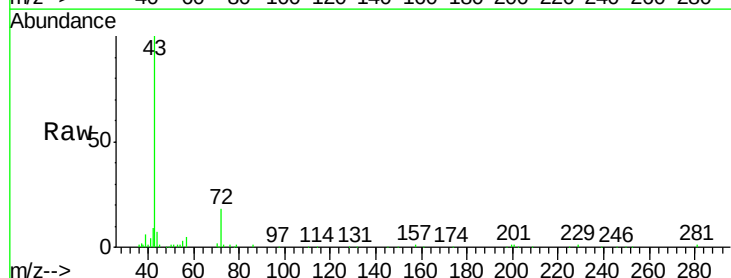
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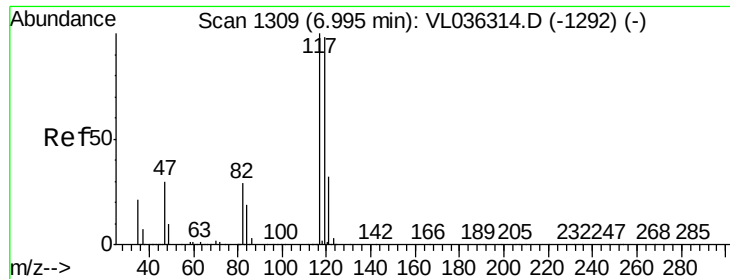
MMDadoda
 3/2/2021 3:30:18 PM



#34
 2-Butanone
 Concen: 0.353 ppbv
 RT: 5.27 min Scan# 773
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion: 43 Resp: 87719
 Ion Ratio Lower Upper
 43 100
 72 24.4 16.7 25.1





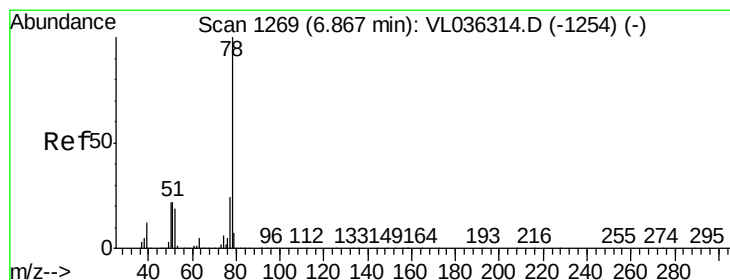
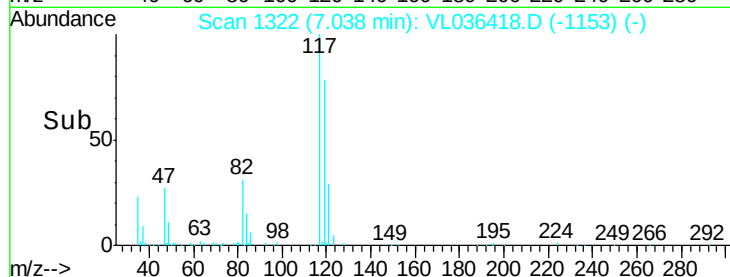
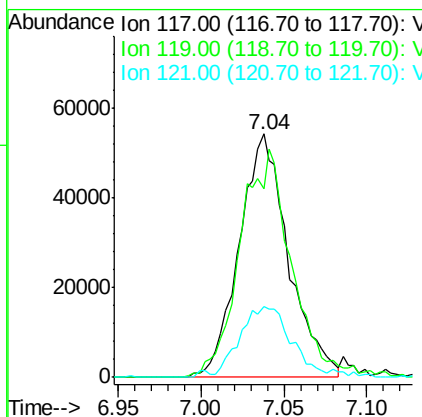
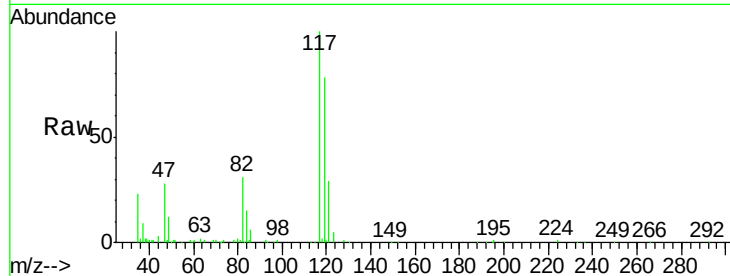
#35
Carbon Tetrachloride
Concen: 0.448 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
117	100		
119	77.1	78.1	117.1#
121	29.3	25.8	38.8

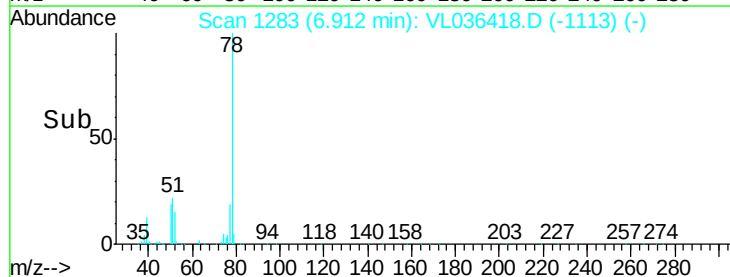
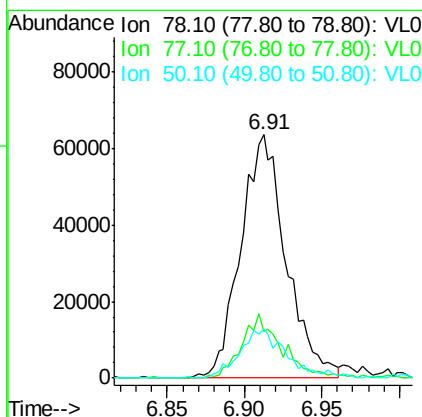
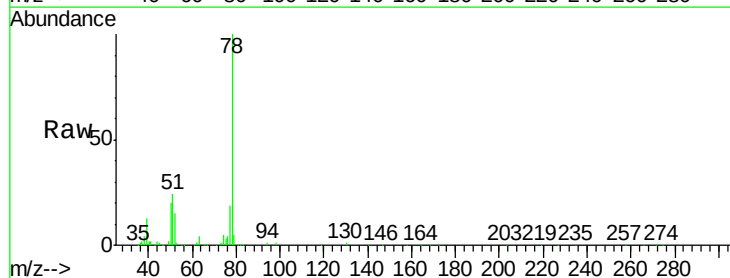
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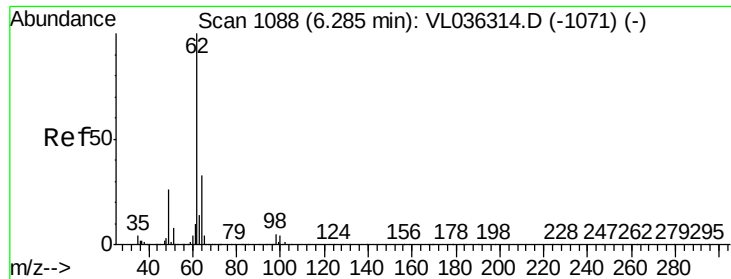
MMDadoda
3/2/2021 3:30:18 PM



#36
Benzene
Concen: 0.410 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.9	18.9	28.3
50	19.3	17.3	25.9





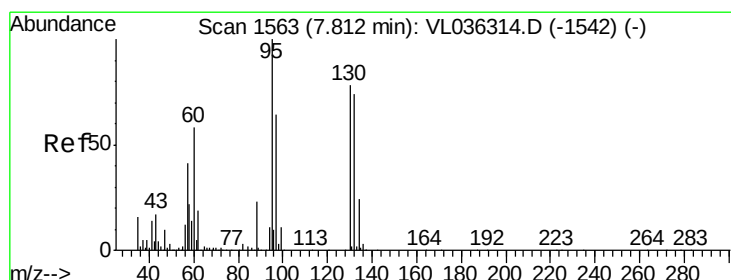
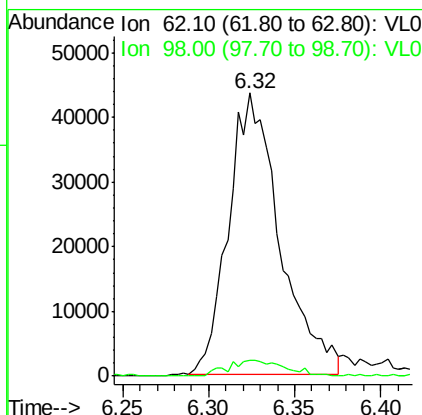
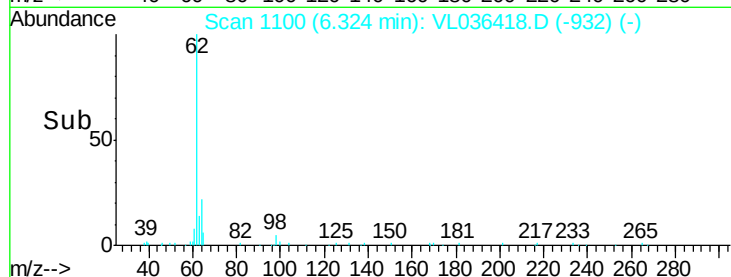
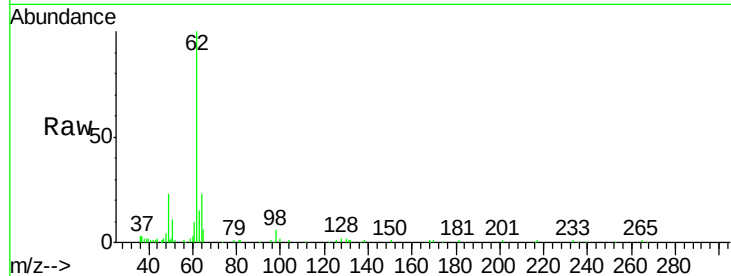
#37
1,2-Dichloroethane
Concen: 0.461 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.5	6.7

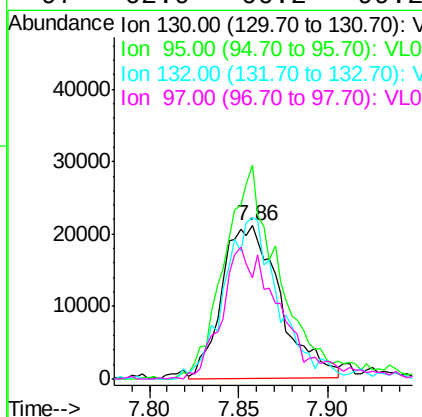
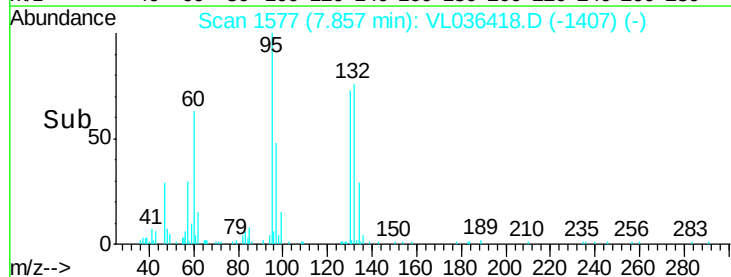
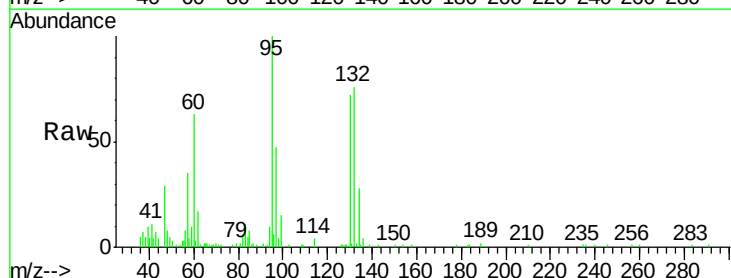
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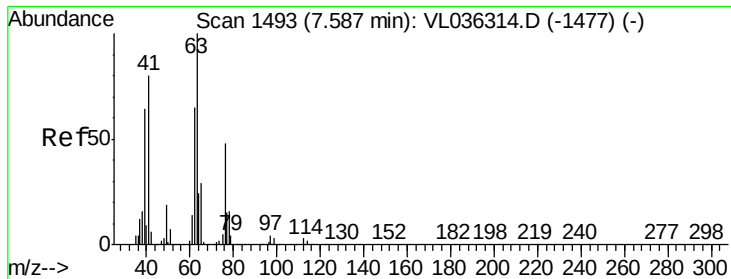
MMDadoda
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#38
Trichloroethene
Concen: 0.417 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	138.7	102.8	154.2
132	103.7	75.7	113.5
97	62.9	66.2	99.2#





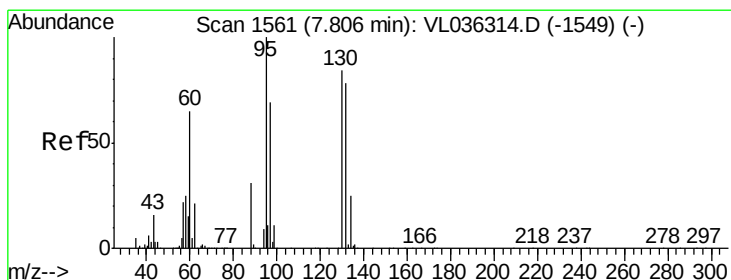
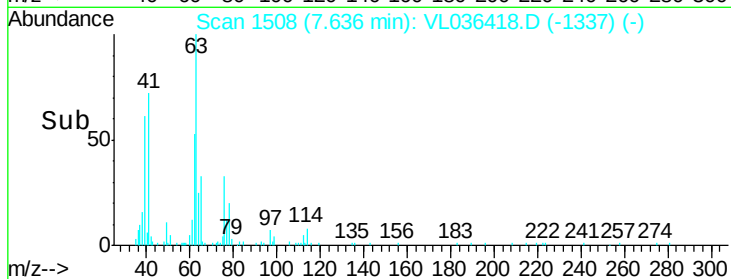
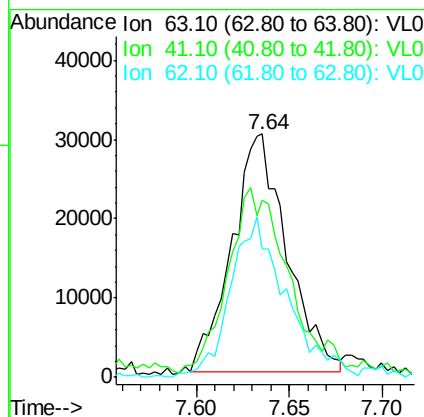
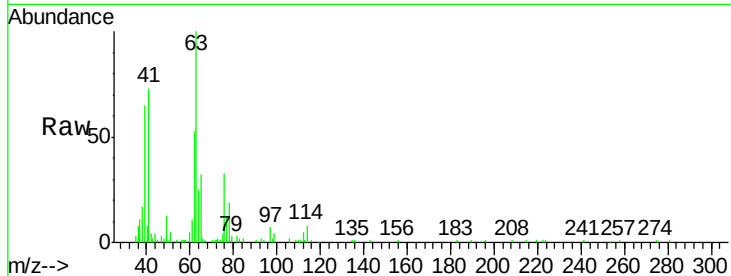
#39
 1,2-Dichloropropane
 Concen: 0.481 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
63	100		
41	69.8	63.8	95.6
62	51.8	52.3	78.5#

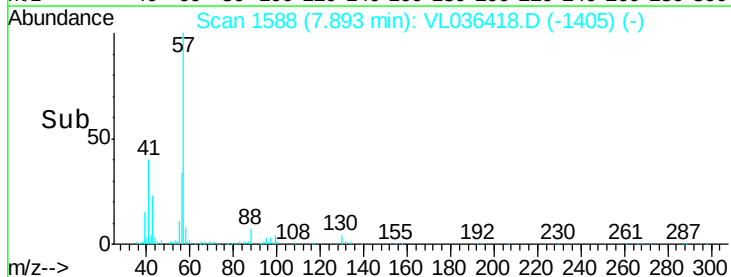
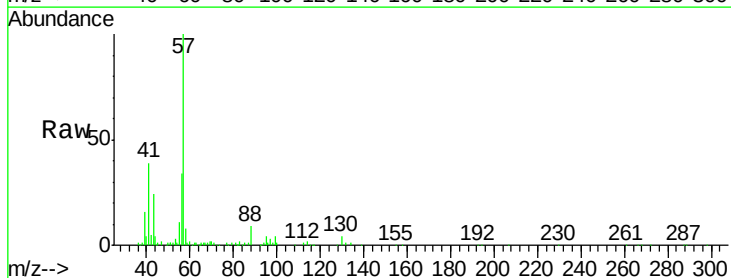
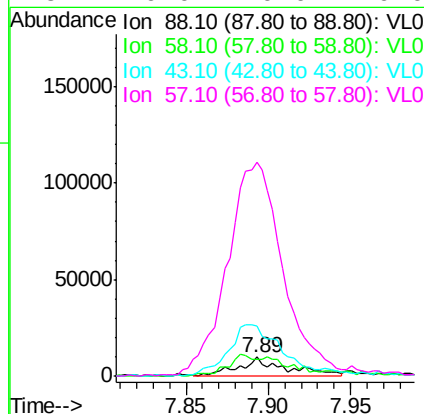
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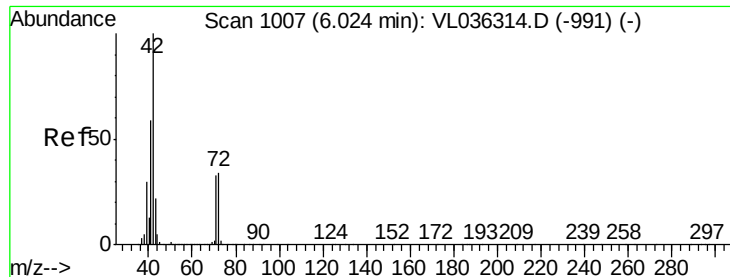
MMDadoda
 3/2/2021 3:30:18 PM



#40
 1,4-Dioxane
 Concen: 0.438 ppbv m
 RT: 7.89 min Scan# 1588
 Delta R.T. 0.09 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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





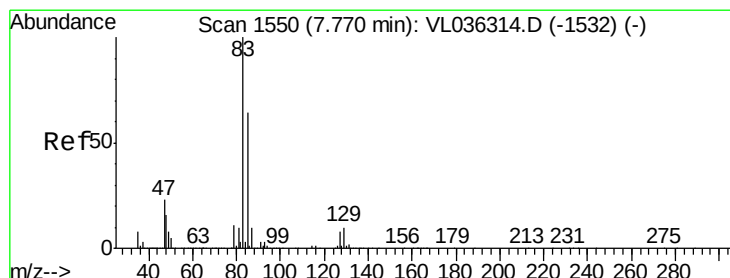
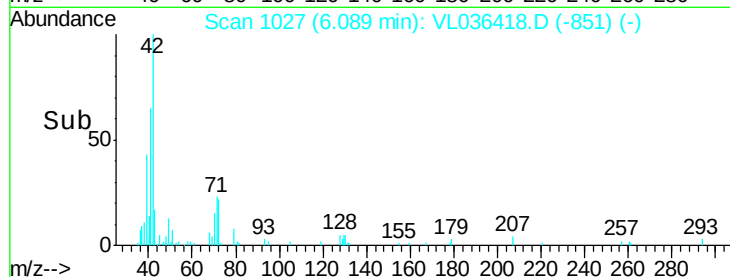
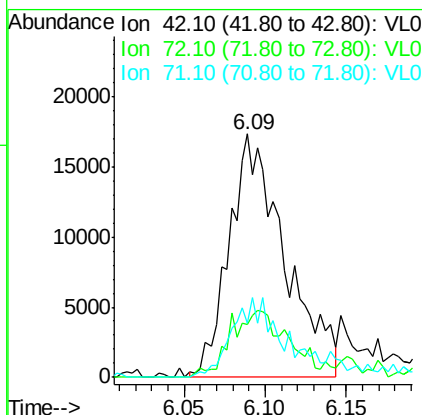
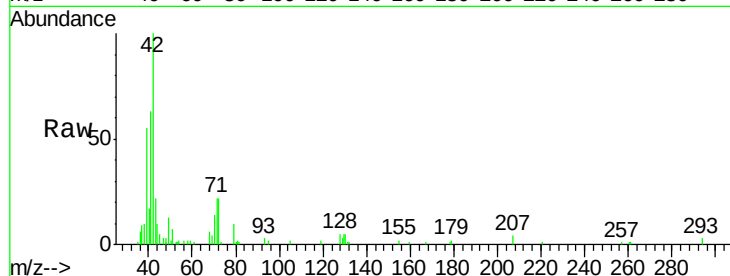
#41
Tetrahydrofuran
Concen: 0.299 ppbv m
RT: 6.09 min Scan# 1027
Delta R.T. 0.06 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

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

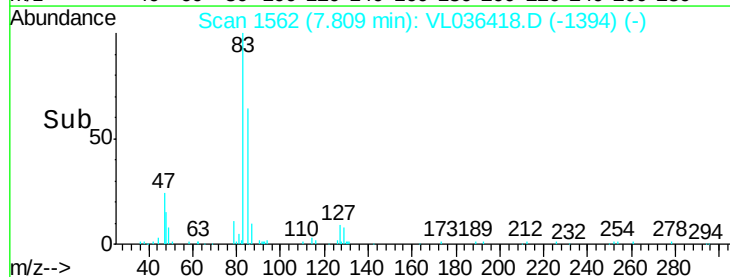
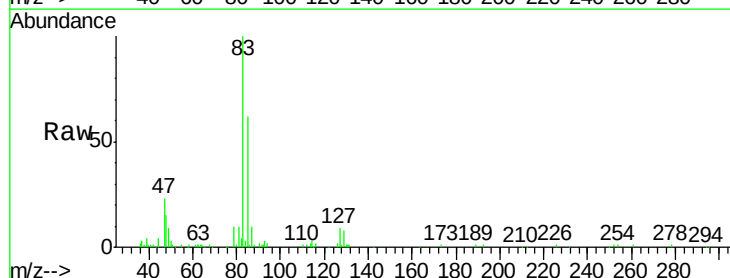
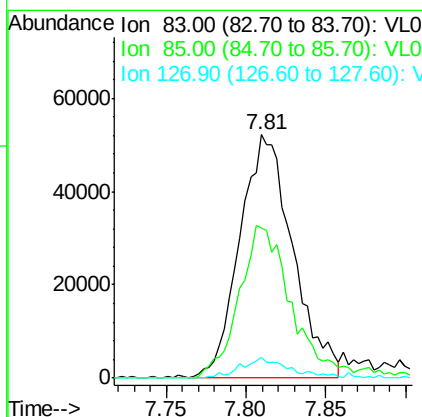
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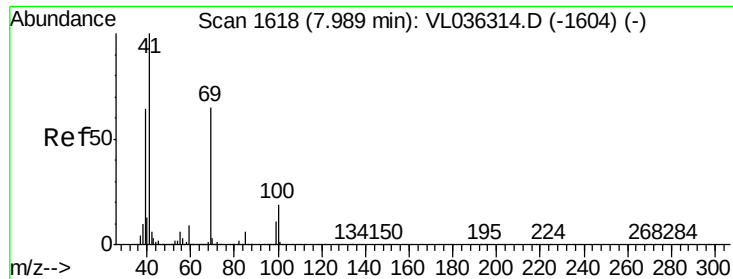
MMDadoda
3/2/2021 3:30:18 PM



#42
Bromodichloromethane
Concen: 0.448 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.1	76.7
127	8.6	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.296 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

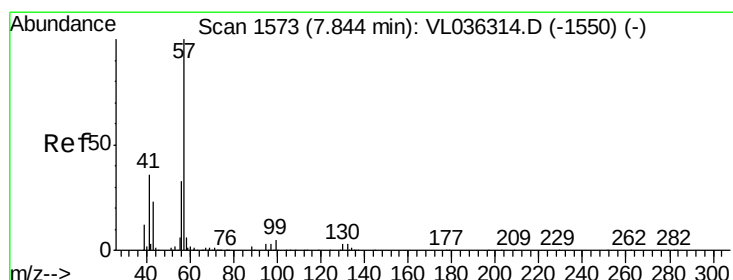
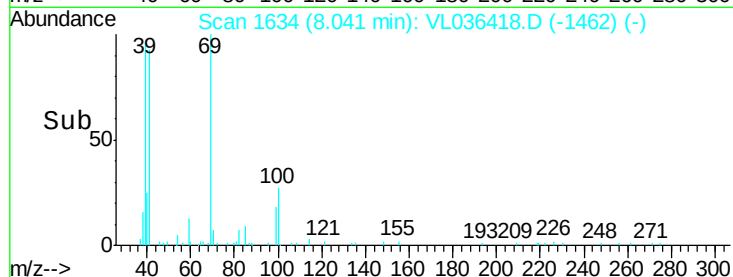
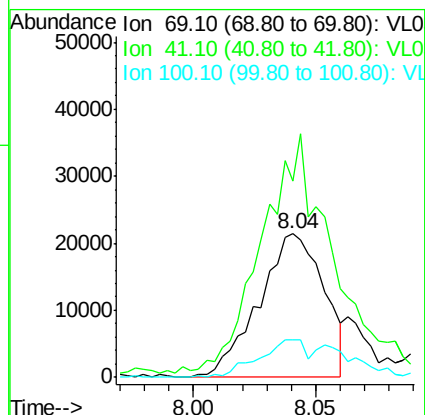
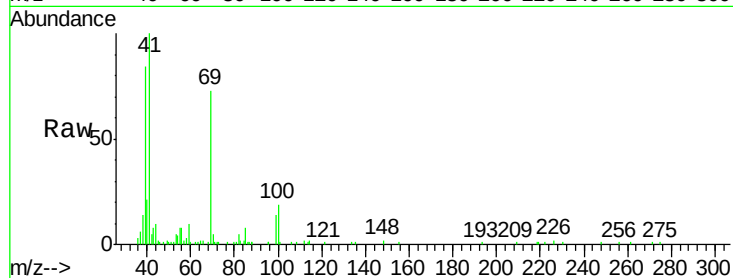
Instrument :
MSVOA_L

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

Tgt Ion	Ratio	Lower	Upper
69	100		
41	190.1	126.5	189.7#
100	35.3	23.1	34.7#

Manual Integrations
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3/2/2021 3:30:18 PM



#44

2,2,4-Trimethylpentane

Concen: 0.444 ppbv

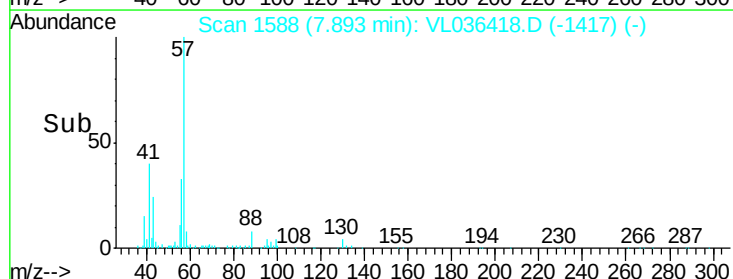
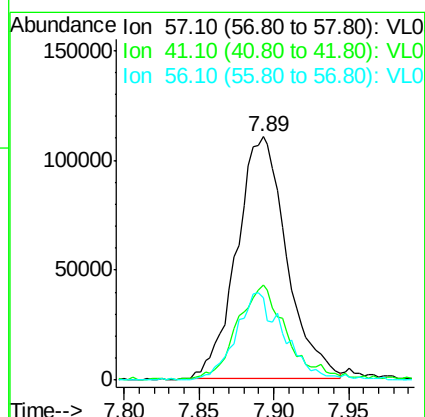
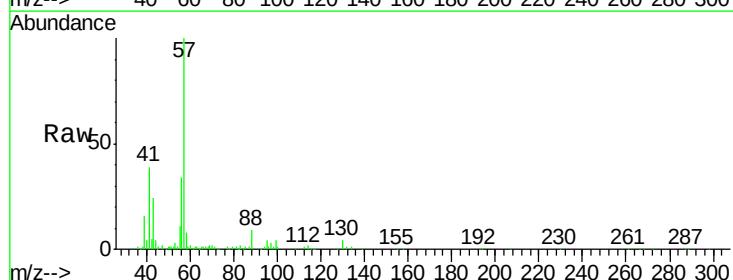
RT: 7.89 min Scan# 1588

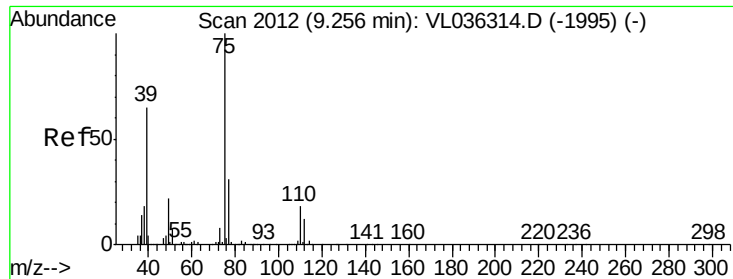
Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	40.1	28.8	43.2
56	35.2	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.310 ppbv m

RT: 9.30 min Scan# 2025

Delta R.T. 0.04 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 75 Resp: 40005

Ion Ratio Lower Upper

75 100

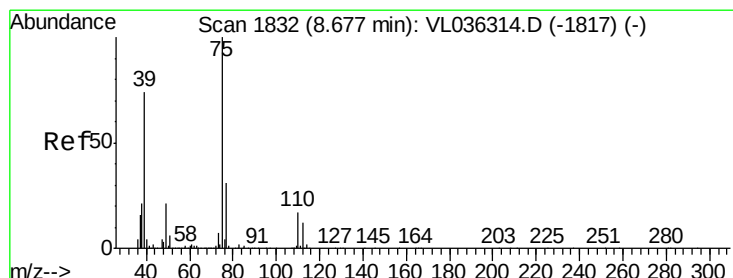
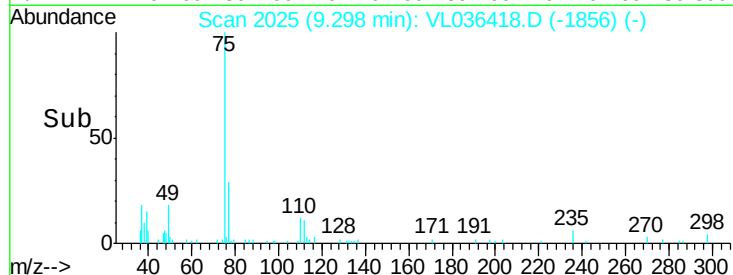
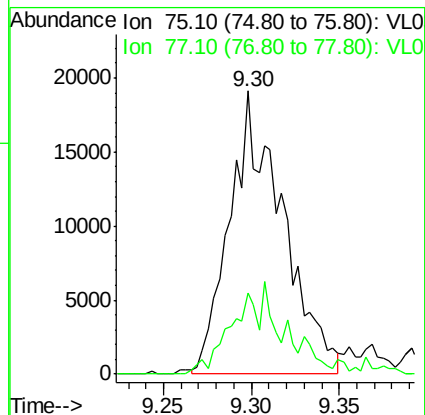
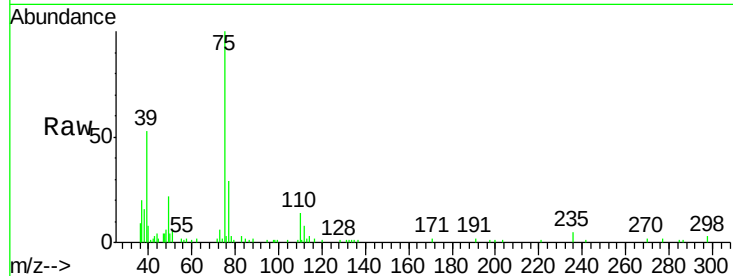
77 28.6 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 0.299 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

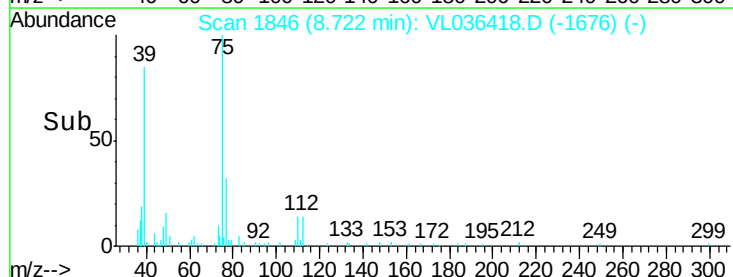
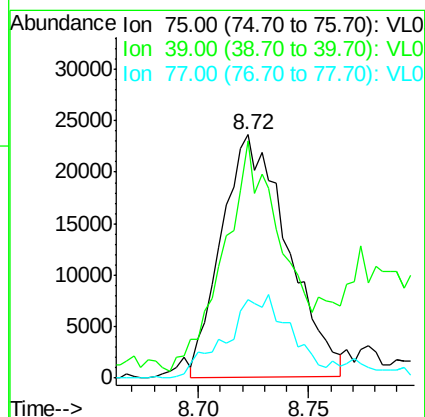
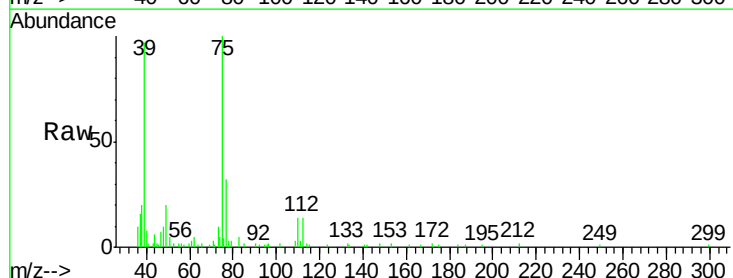
Tgt Ion: 75 Resp: 49026

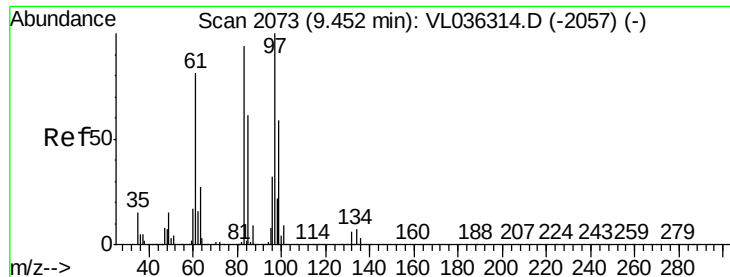
Ion Ratio Lower Upper

75 100

39 85.1 59.2 88.8

77 28.6 25.0 37.6





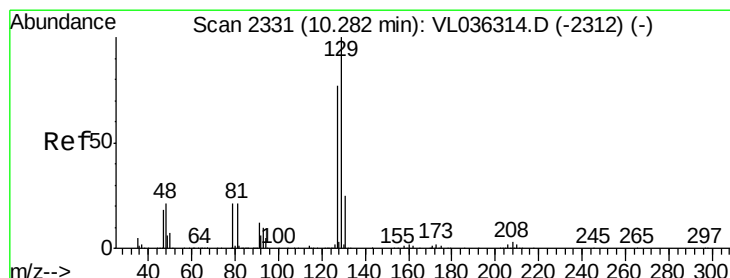
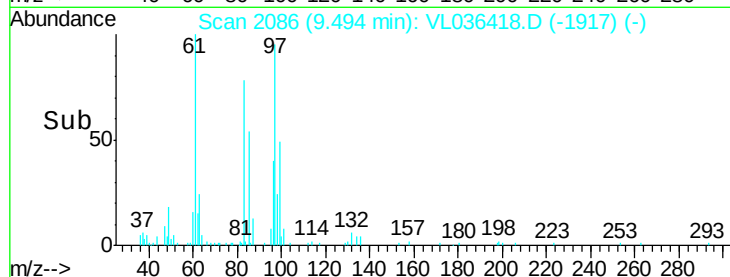
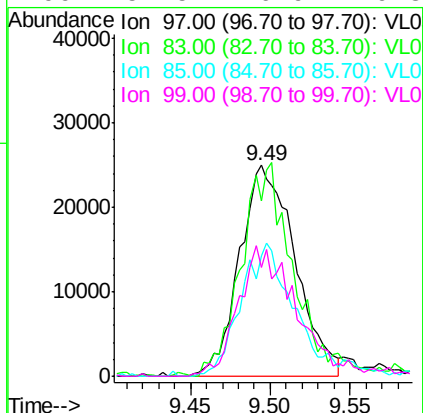
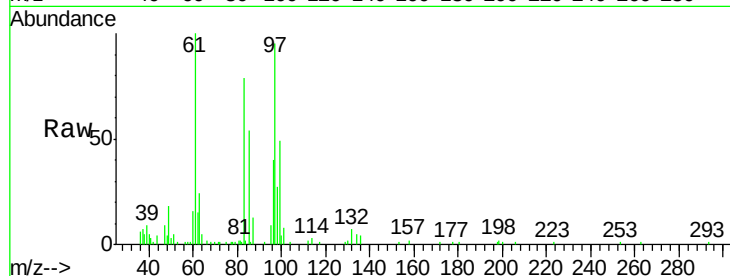
#47
 1,1,2-Trichloroethane
 Concen: 0.449 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	75.4	113.0
85	57.2	48.9	73.3
99	51.5	46.9	70.3

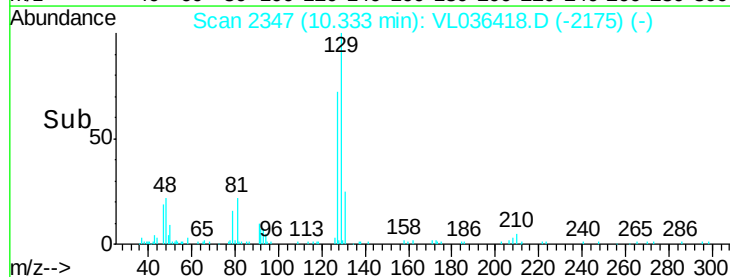
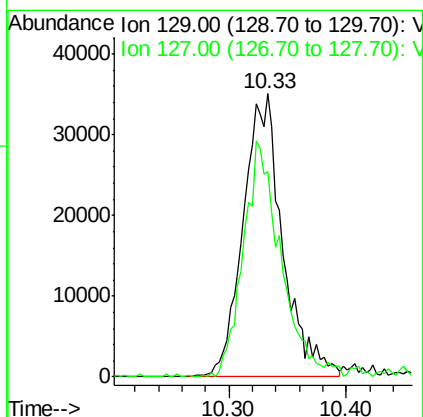
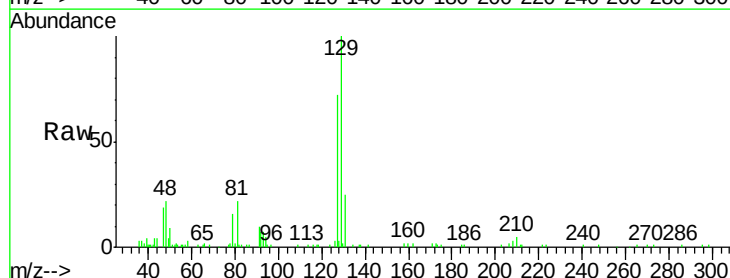
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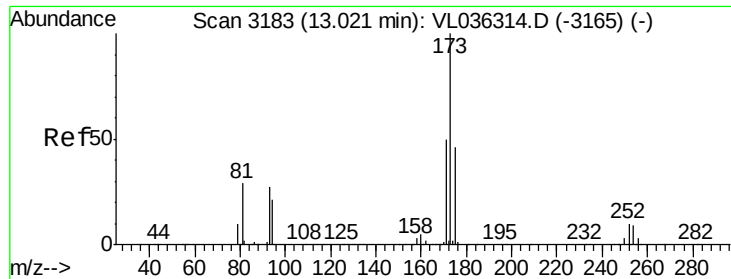
MMDadoda
 3/2/2021 3:30:18 PM



#48
 Dibromochloromethane
 Concen: 0.414 ppbv m
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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





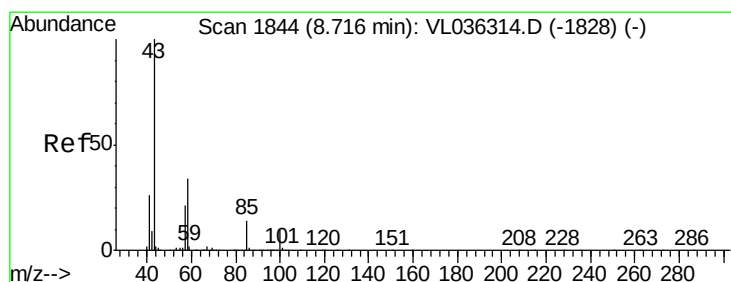
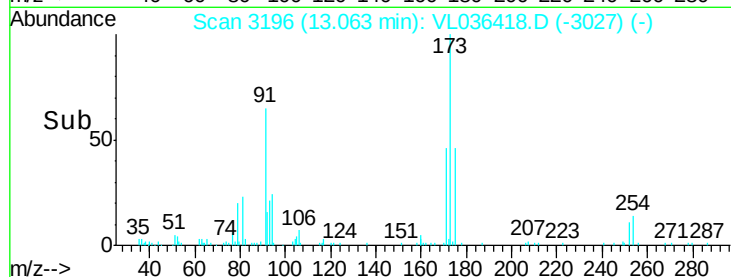
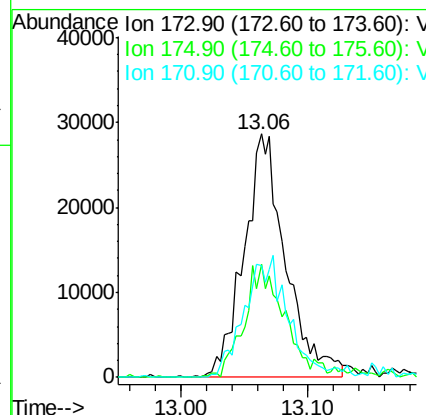
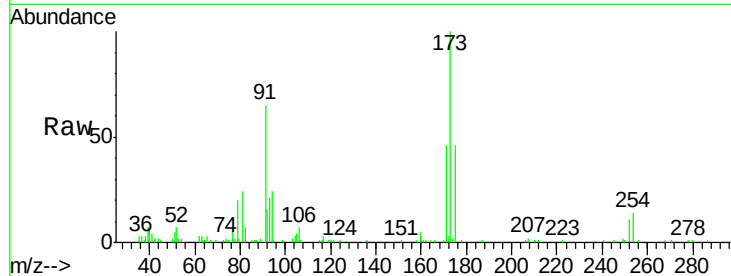
#49
Bromoform
Concen: 0.409 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	40.2	60.2#
171	0.0	43.4	65.2#

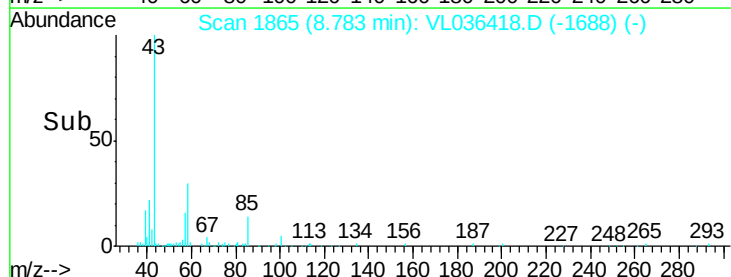
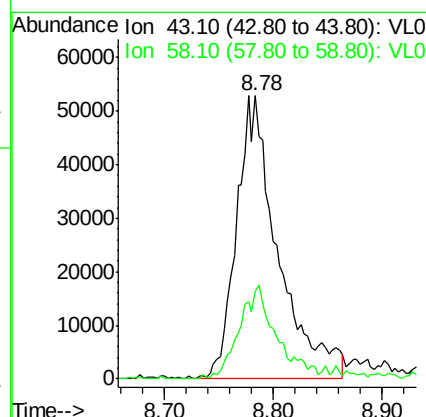
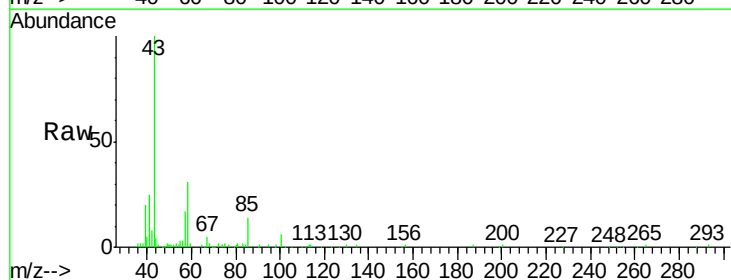
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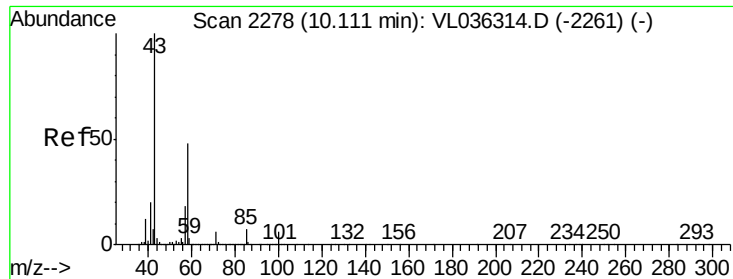
MMDadoda
3/2/2021 3:30:18 PM



#50
4-Methyl-2-Pentanone
Concen: 0.380 ppbv m
RT: 8.78 min Scan# 1865
Delta R.T. 0.07 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.6#





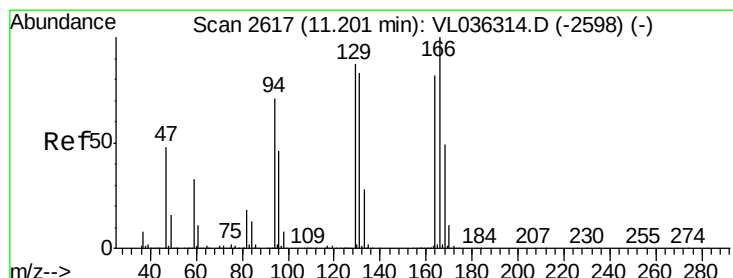
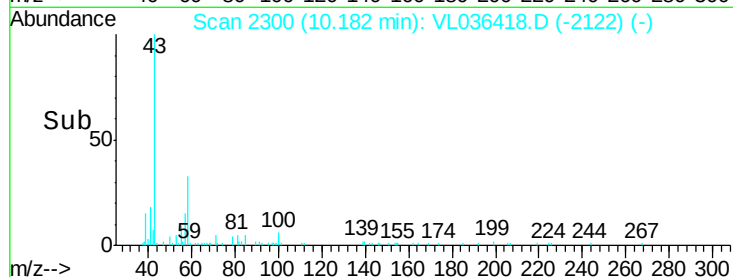
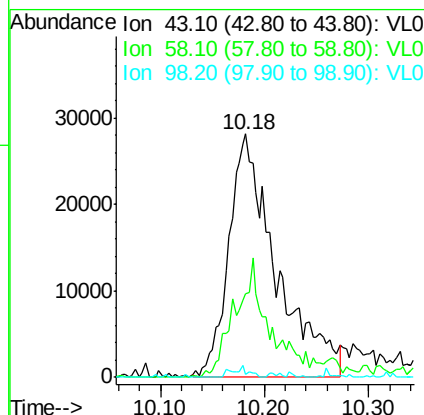
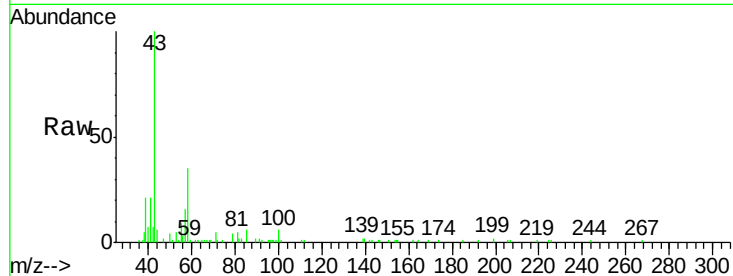
#51
2-Hexanone
Concen: 0.319 ppbv m
RT: 10.18 min Scan# 2300
Delta R.T. 0.07 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.7	58.1#
98	1.5	0.4	0.6#

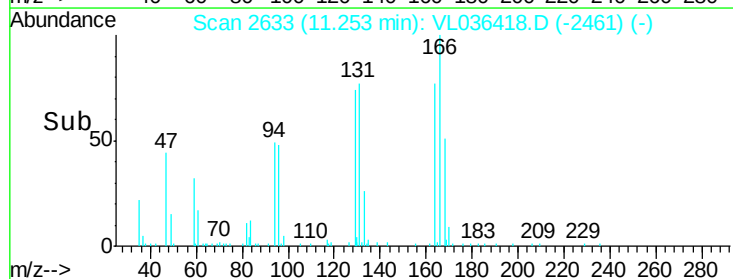
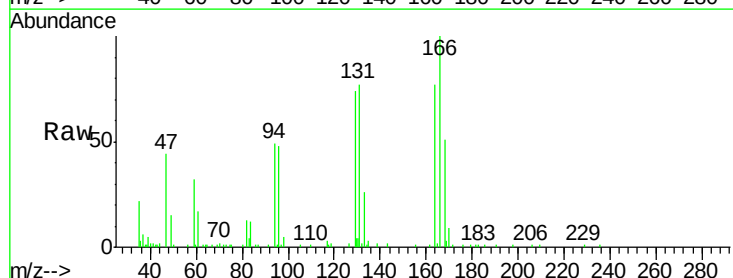
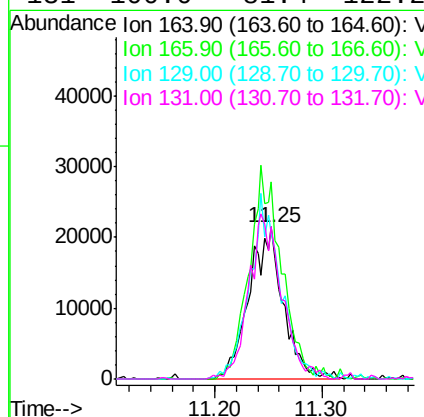
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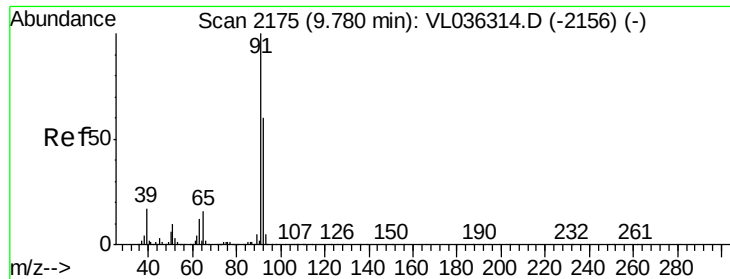
MMDadoda
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#52
Tetrachloroethene
Concen: 0.407 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	97.8	146.8
129	96.0	84.9	127.3
131	100.0	81.4	122.2





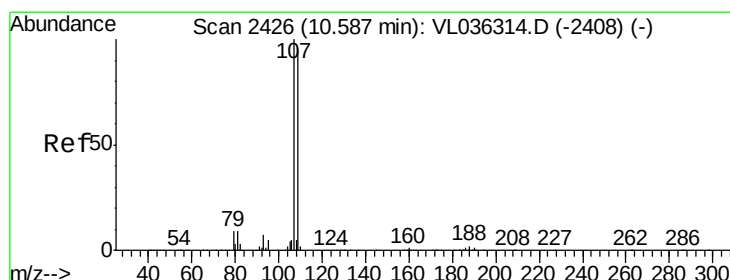
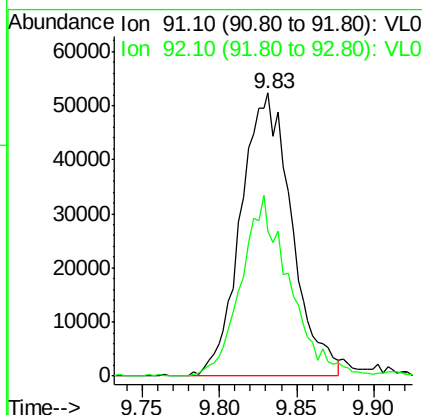
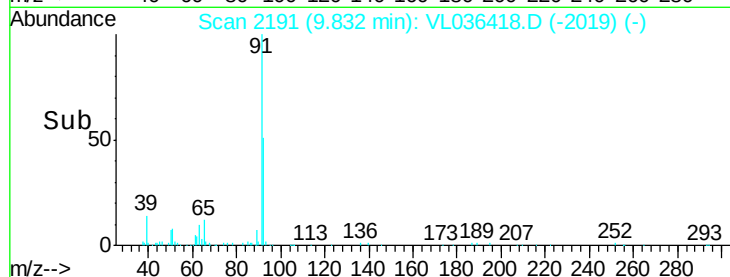
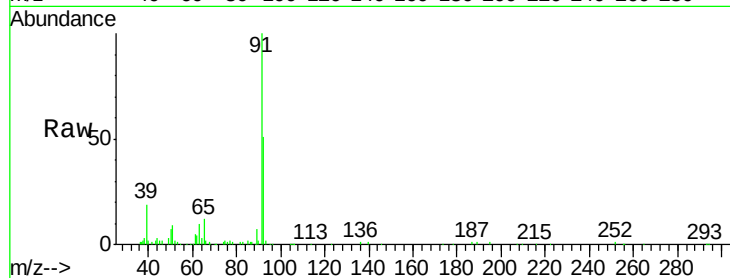
#53
Toluene
Concen: 0.347 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion: 91 Resp: 119409
Ion Ratio Lower Upper
91 100
92 60.7 48.6 72.8

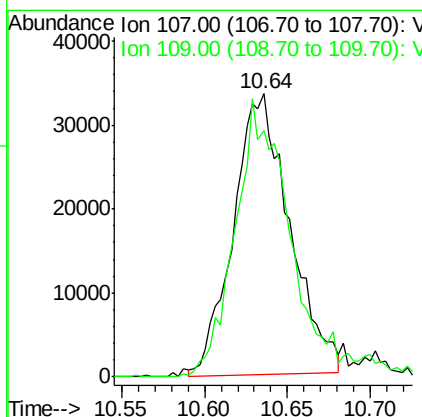
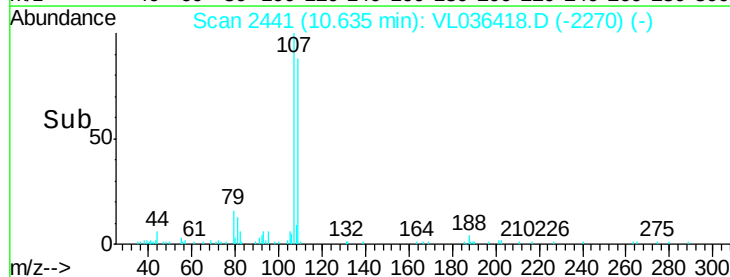
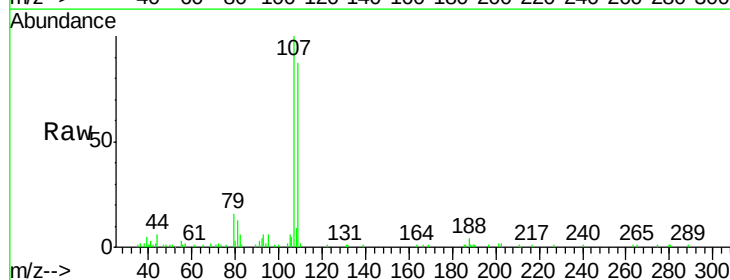
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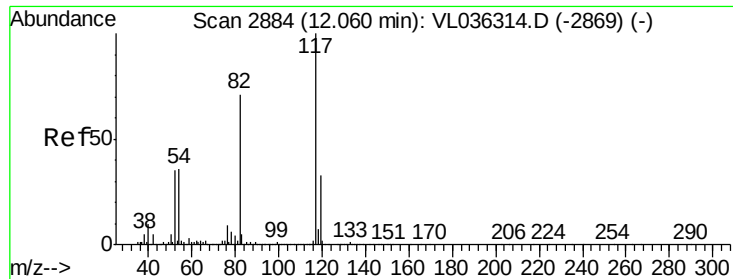
MMDadoda
3/2/2021 3:30:18 PM



#54
1,2-Dibromoethane
Concen: 0.417 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion: 107 Resp: 79508
Ion Ratio Lower Upper
107 100
109 88.1 76.0 114.0





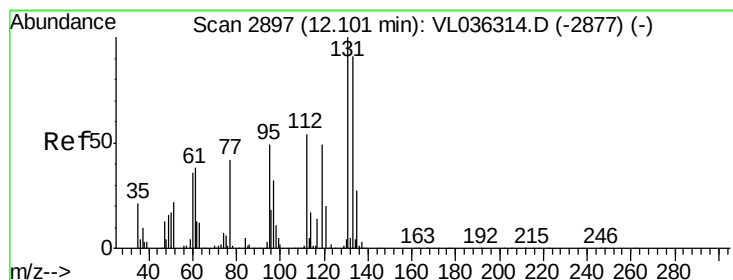
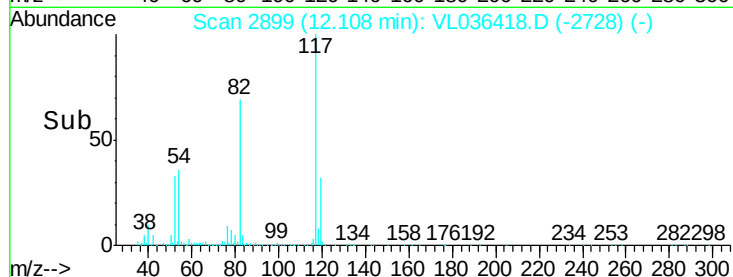
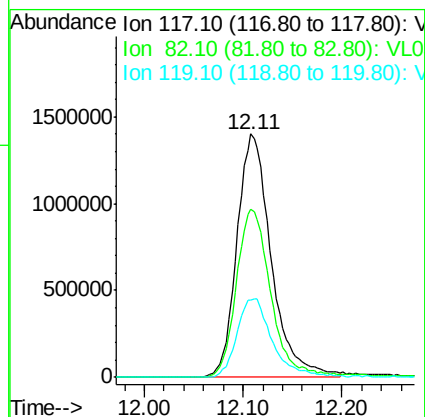
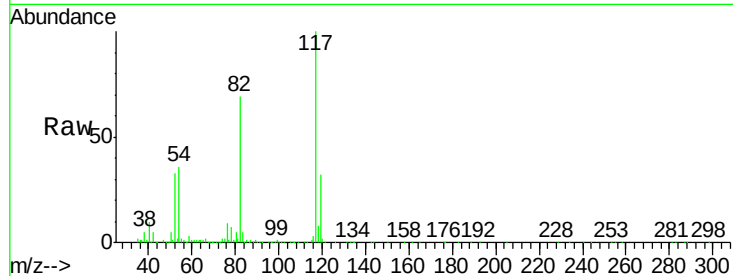
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion:117 Resp: 3386991
Ion Ratio Lower Upper
117 100
82 71.5 59.1 88.7
119 33.9 46.3 69.5#

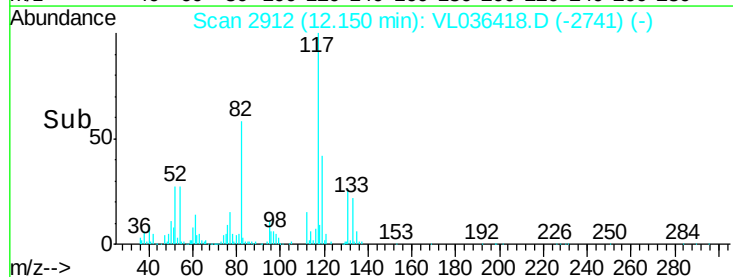
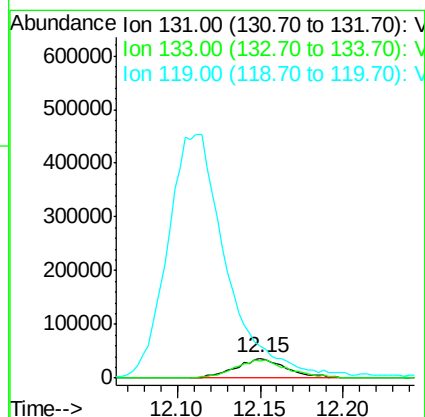
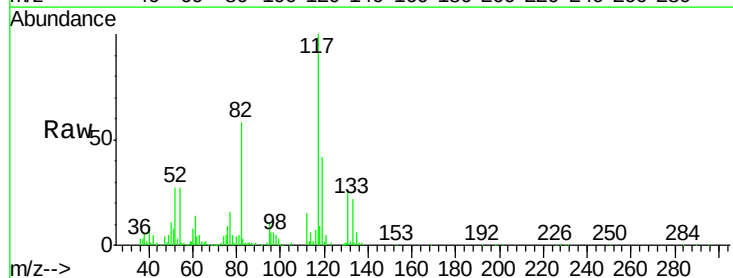
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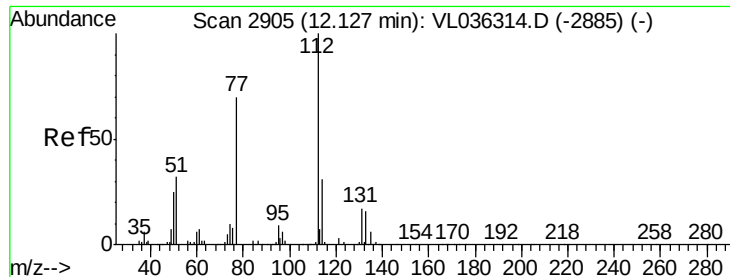
MMDadoda
3/2/2021 3:30:18 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.501 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion:131 Resp: 78016
Ion Ratio Lower Upper
131 100
133 100.6 76.0 114.0
119 1490.6 115.1 172.7#





#57

Chlorobenzene

Concen: 0.507 ppbv m

RT: 12.17 min Scan# 2917

Delta R.T. 0.04 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

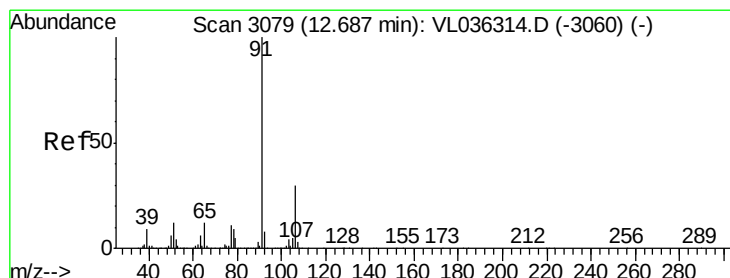
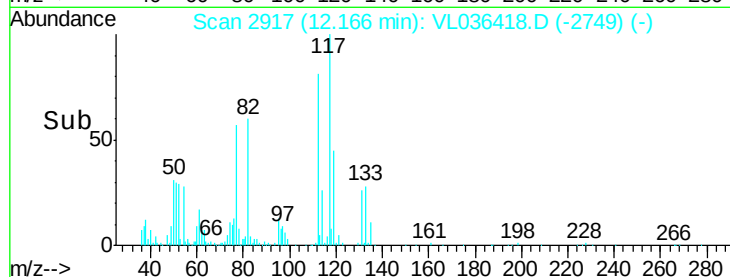
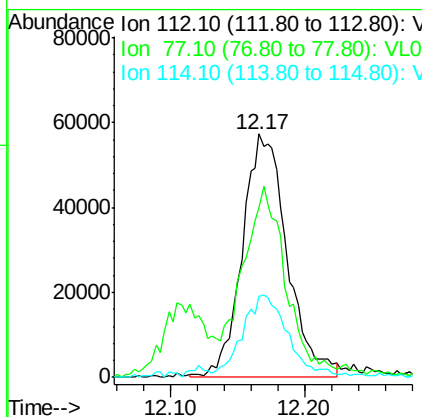
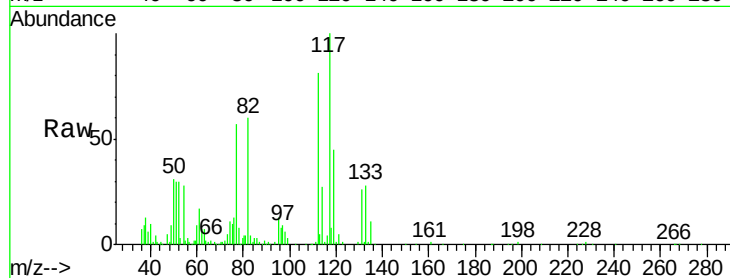
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	112	Resp:	132634
Ion Ratio	Lower	Upper	
112	100		
77	69.7	56.1	84.1
114	33.2	28.3	34.5

Manual Integrations
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3/2/2021 3:30:18 PM



#58

Ethyl Benzene

Concen: 0.362 ppbv

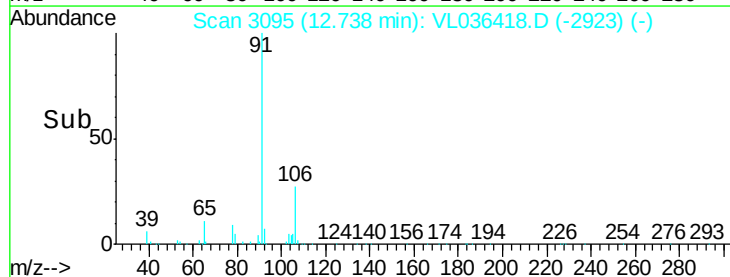
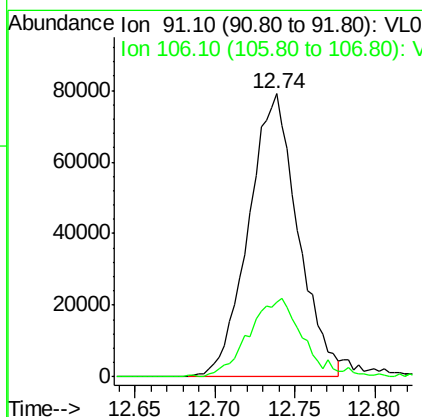
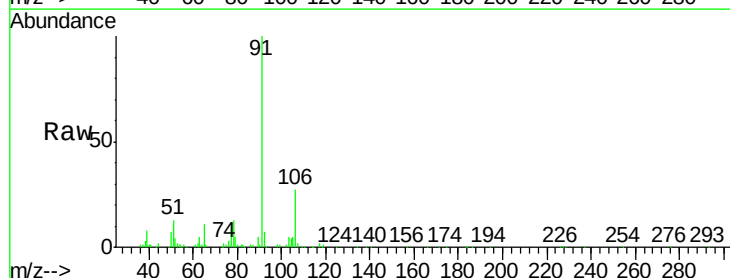
RT: 12.74 min Scan# 3095

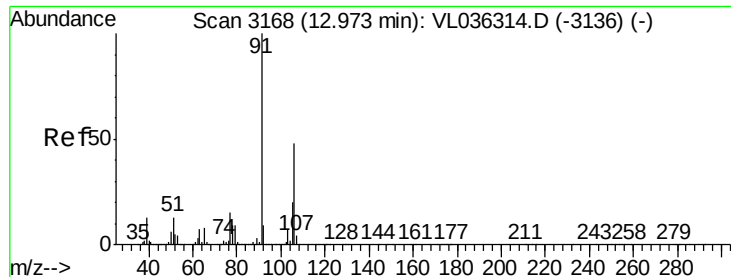
Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Tgt Ion:	91	Resp:	167902
Ion Ratio	Lower	Upper	
91	100		
106	26.1	23.8	35.6





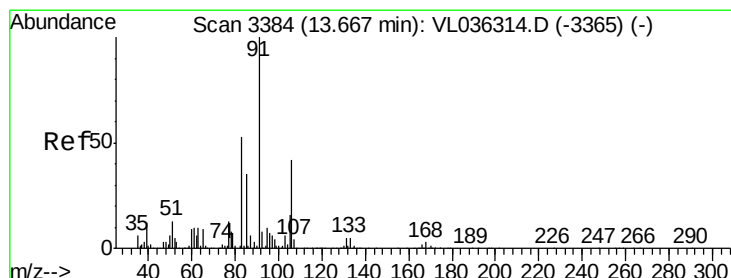
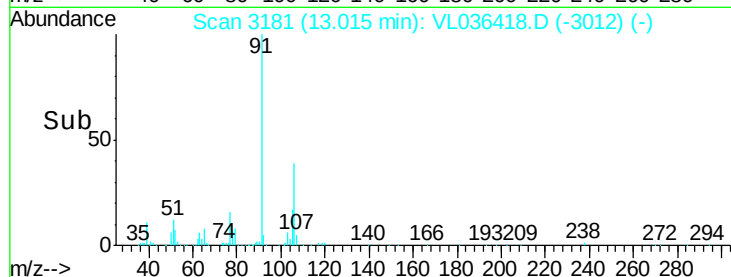
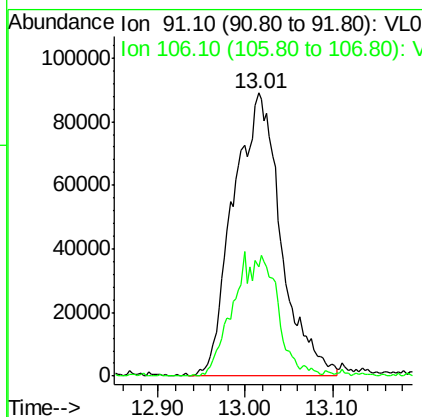
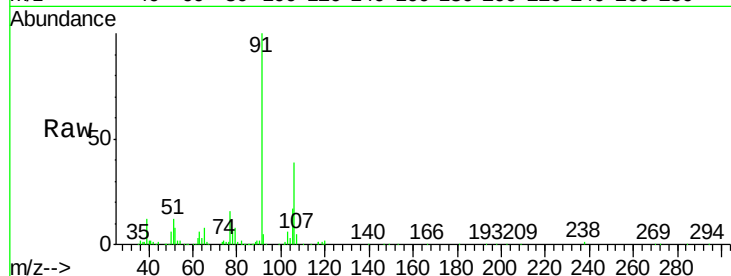
#59
m/p-Xylene
Concen: 0.829 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.04 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion: 91 Resp: 337597
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

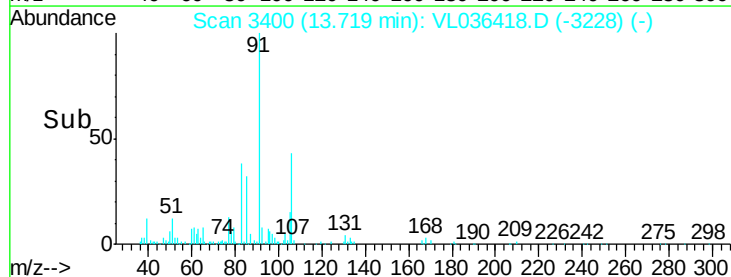
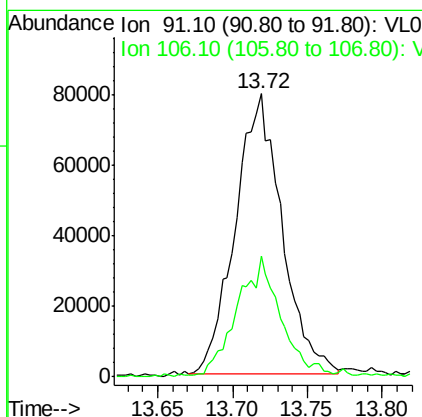
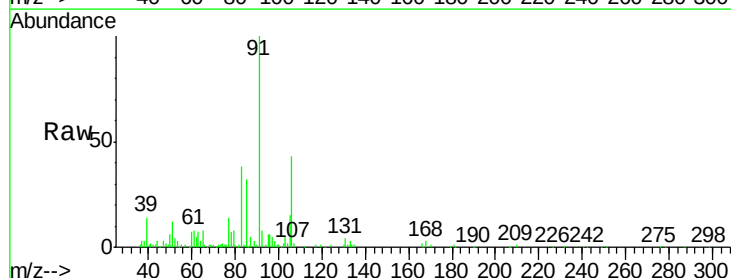
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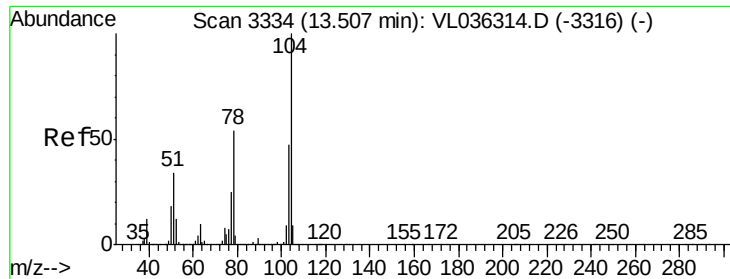
MMDadoda
3/2/2021 3:30:18 PM



#60
o-Xylene
Concen: 0.444 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion: 91 Resp: 172794
Ion Ratio Lower Upper
91 100
106 42.5 22.0 66.0





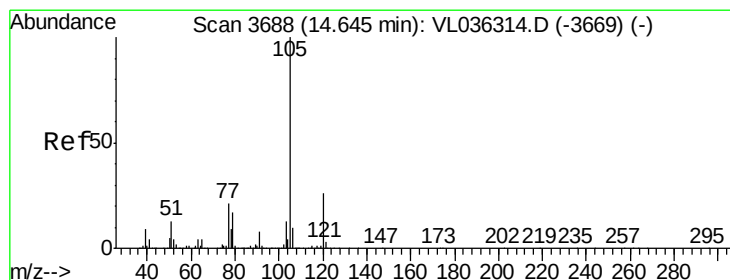
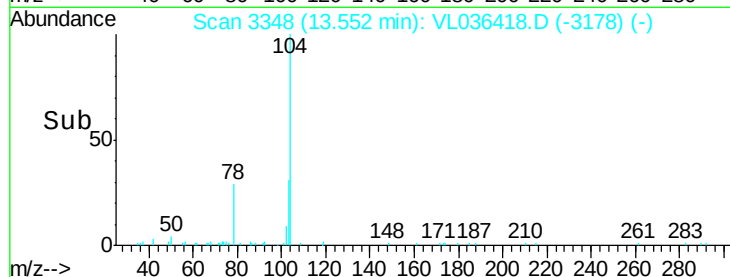
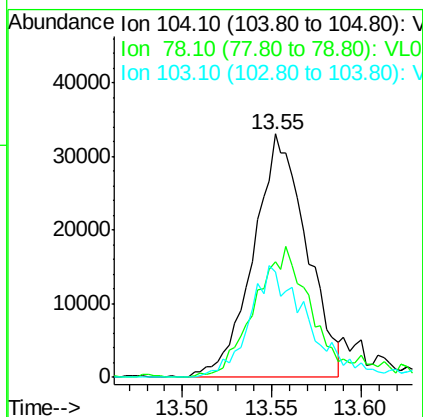
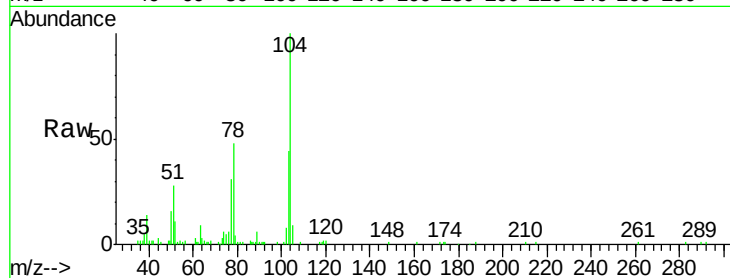
#61
Styrene
Concen: 0.285 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
104	100		
78	61.0	46.2	69.2
103	52.5	38.3	57.5

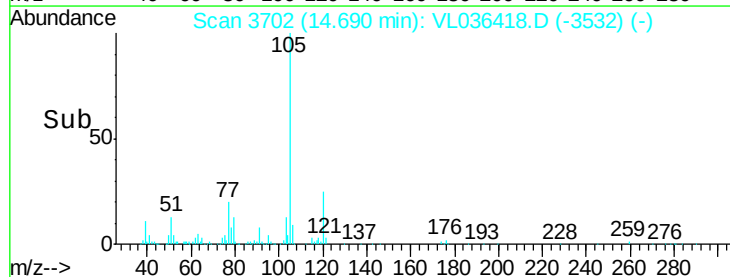
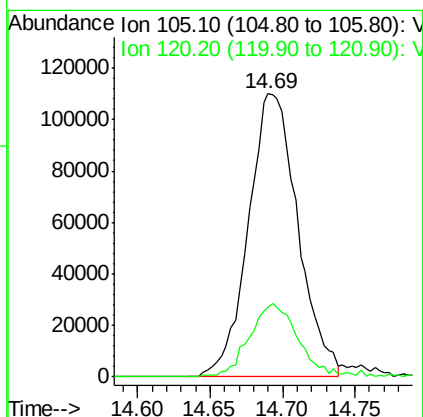
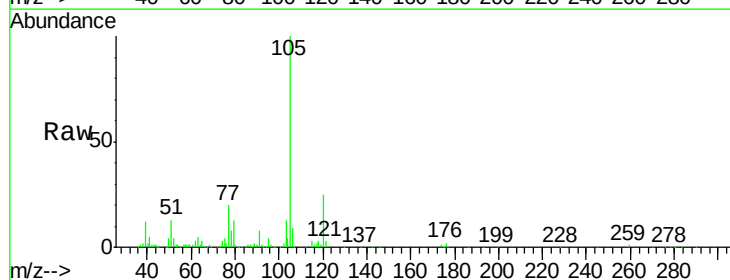
Manual Integrations
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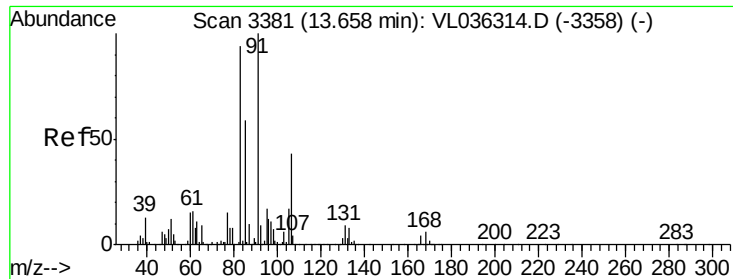
MMDadoda
3/2/2021 3:30:18 PM



#62
Isopropylbenzene
Concen: 0.447 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.490 ppbv m

RT: 13.70 min Scan# 3395

Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 83 Resp: 150736

Ion Ratio Lower Upper

83 100

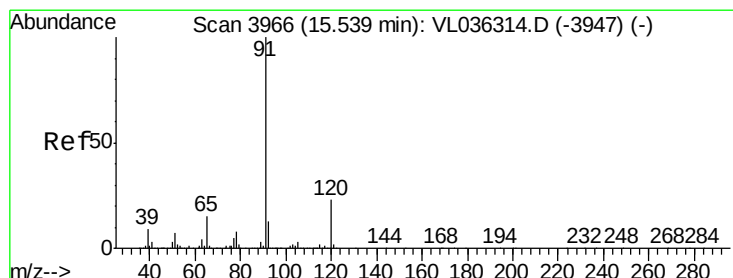
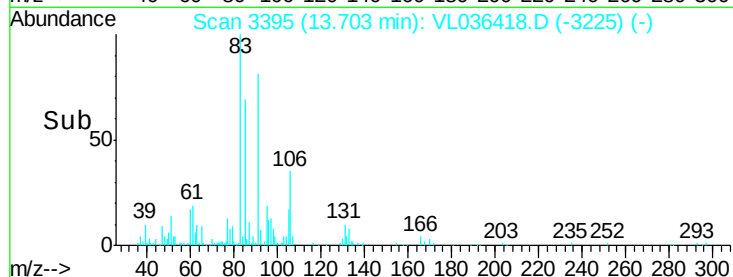
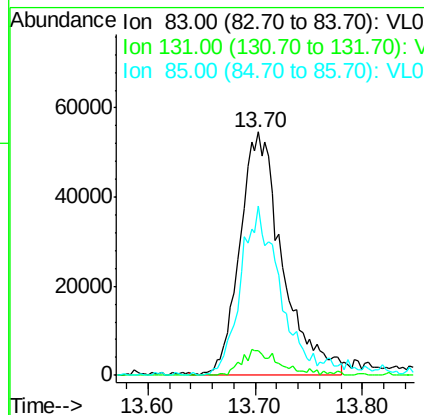
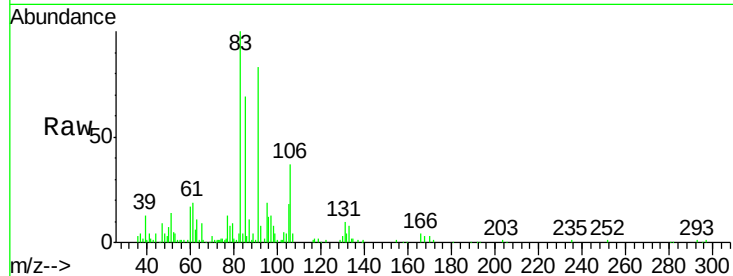
131 0.0 4.7 14.0#

85 0.0 33.0 98.9#

Manual Integrations
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MMDadoda

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#64

n-propylbenzene

Concen: 0.399 ppbv m

RT: 15.58 min Scan# 3980

Delta R.T. 0.05 min

Lab File: VL036418.D

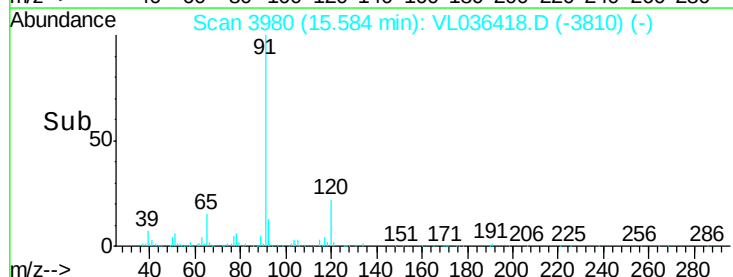
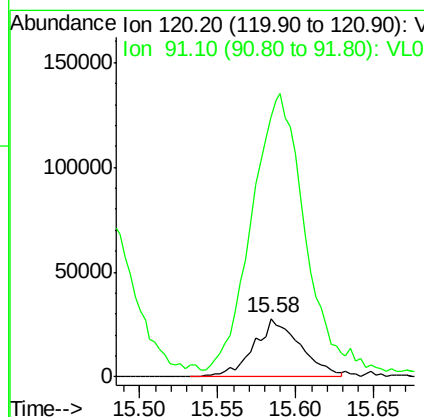
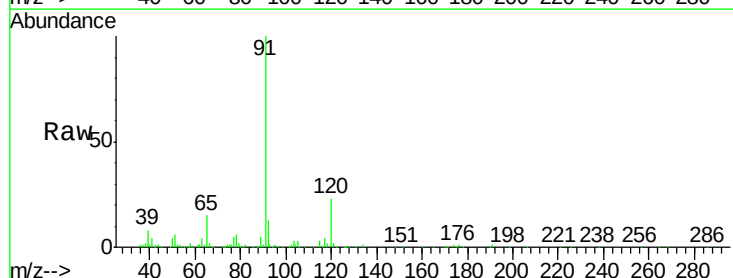
Acq: 1 Mar 2021 17:14

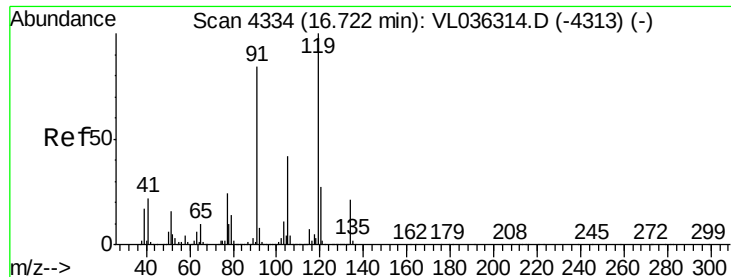
Tgt Ion: 120 Resp: 57359

Ion Ratio Lower Upper

120 100

91 585.9 387.2 580.8#





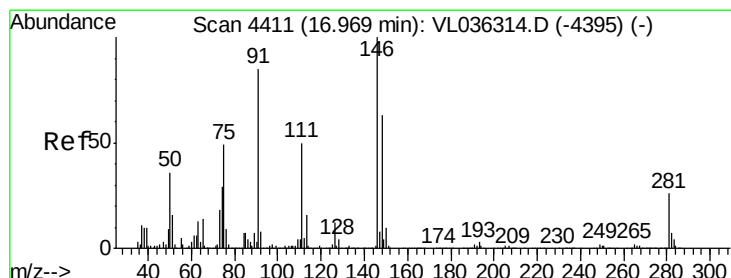
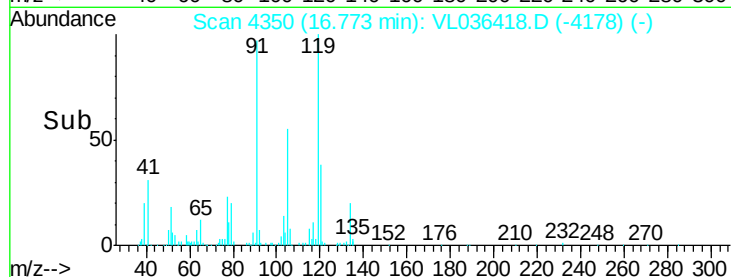
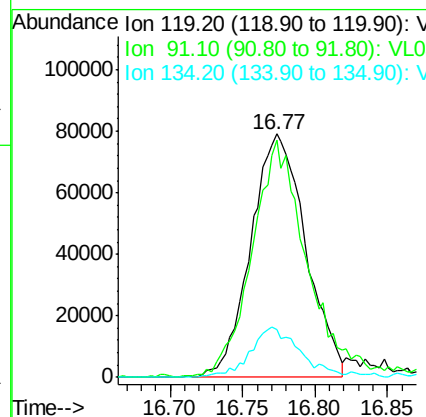
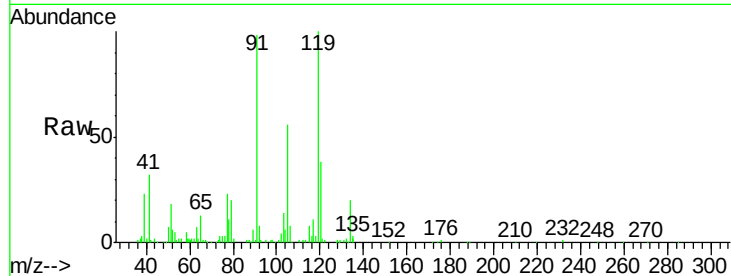
#65
tert-Butylbenzene
Concen: 0.417 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	208076		
91	100.5	70.5	105.7	
134	19.4	15.8	23.8	

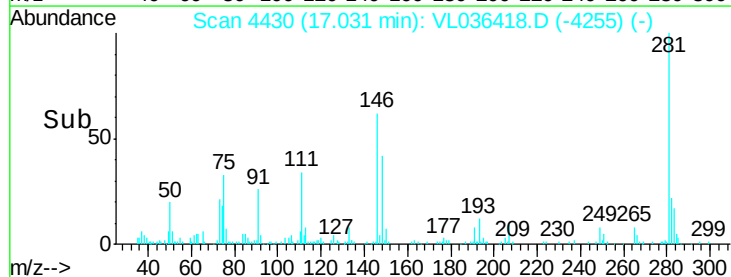
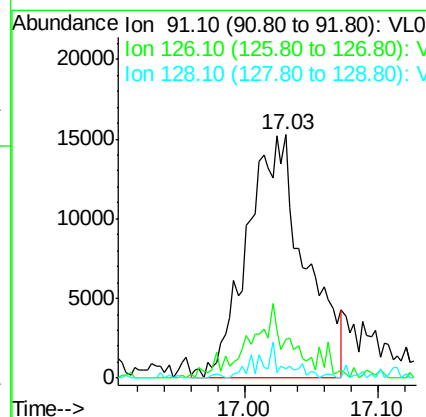
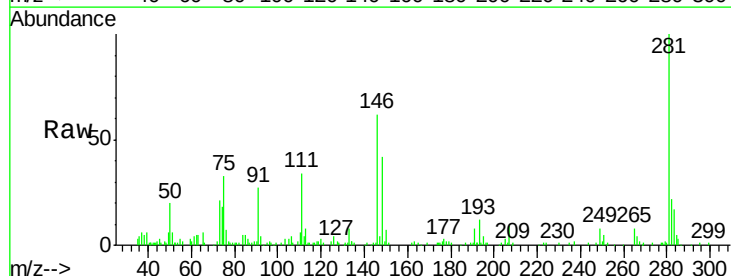
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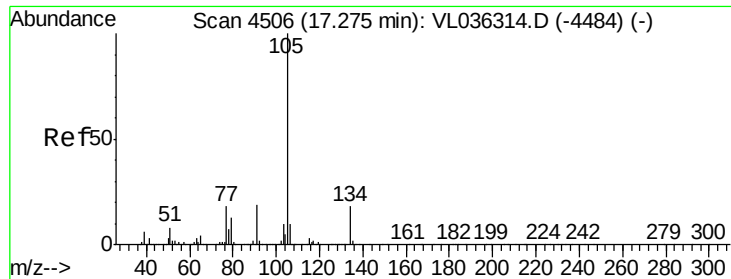
MMDadoda
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#66
Benzyl Chloride
Concen: 0.339 ppbv m
RT: 17.03 min Scan# 4430
Delta R.T. 0.06 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46042		
126	0.0	12.9	19.3#	
128	0.0	4.2	6.2#	





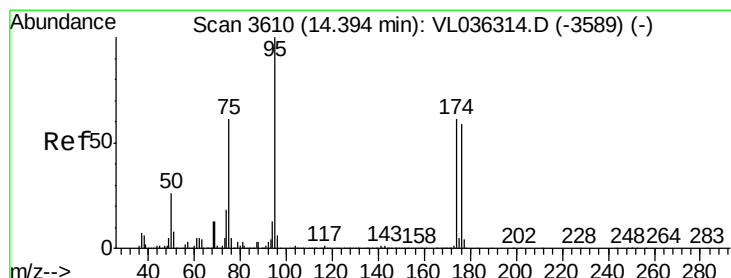
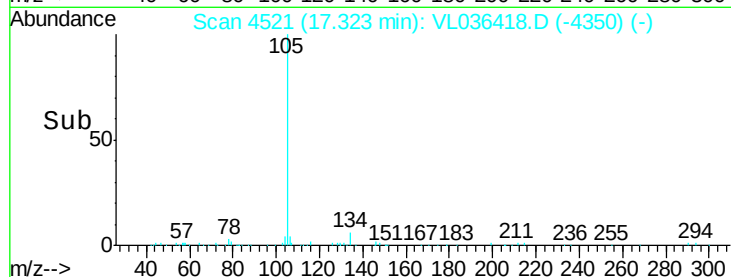
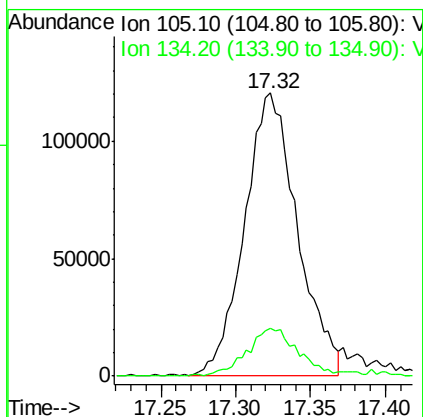
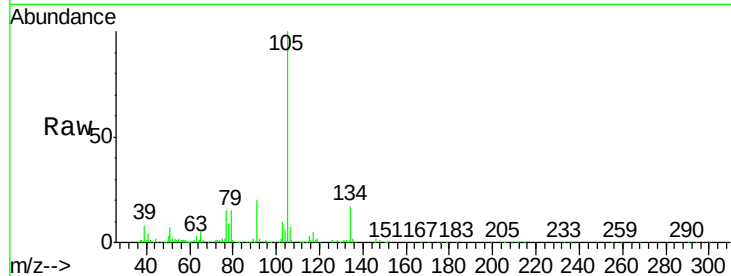
#67
 sec-Butylbenzene
 Concen: 0.408 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
105	100		
134	16.4	14.2	21.4

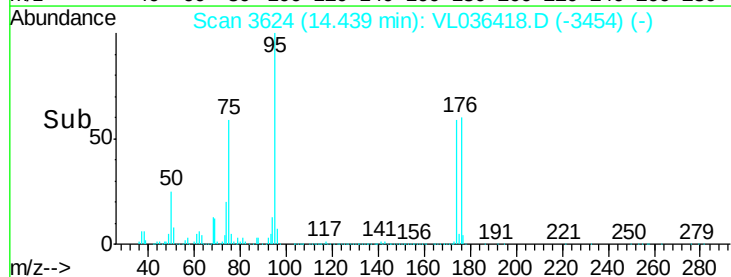
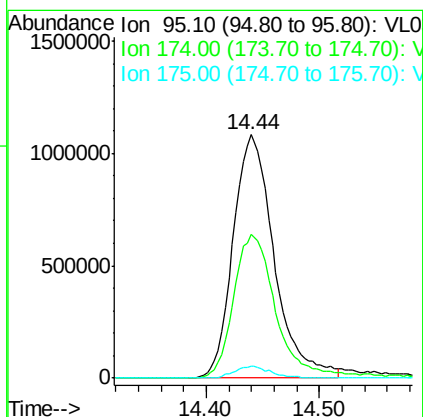
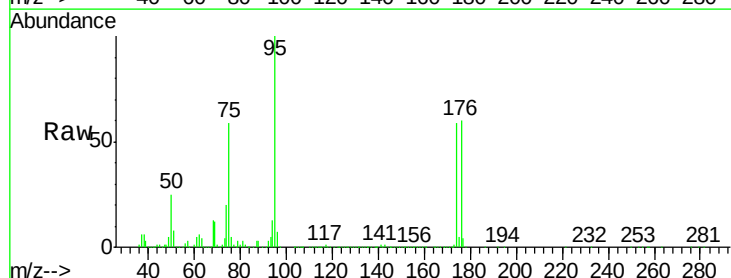
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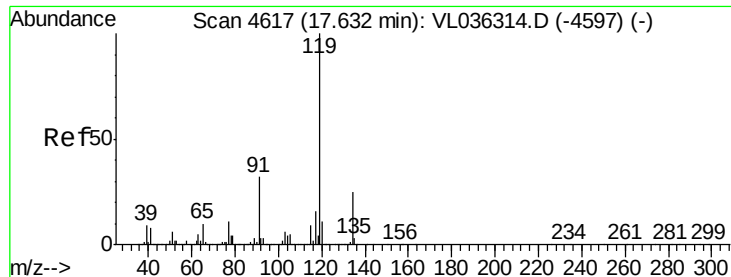
MMDadoda
 3/2/2021 3:30:18 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.807 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.1	49.8	74.6
175	4.7	3.7	5.5





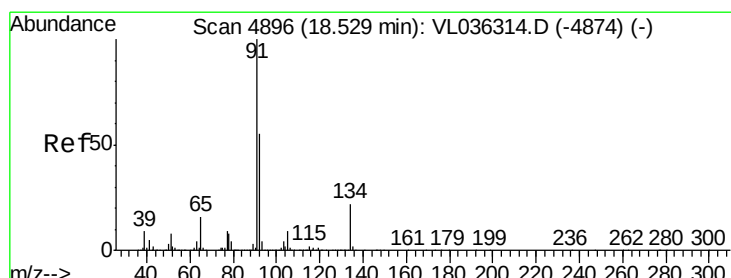
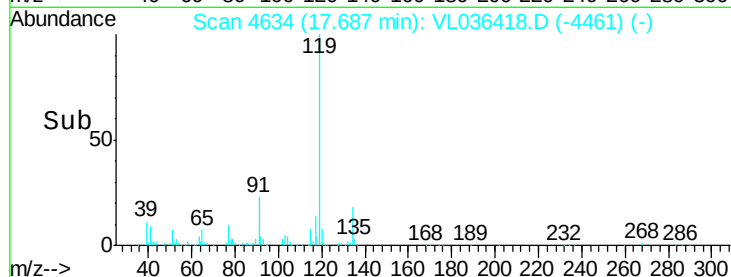
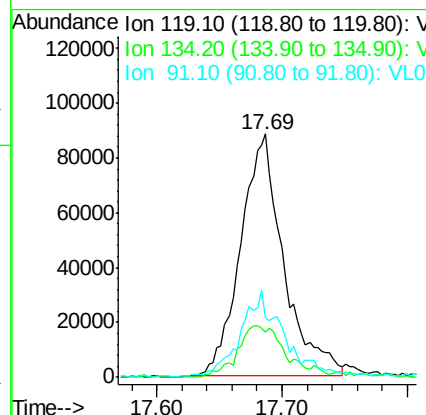
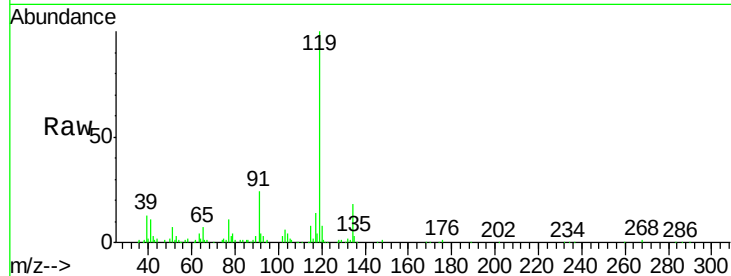
#69
p-Isopropyltoluene
Concen: 0.379 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	211128		
134	25.5	20.1	30.1	
91	37.1	25.8	38.6	

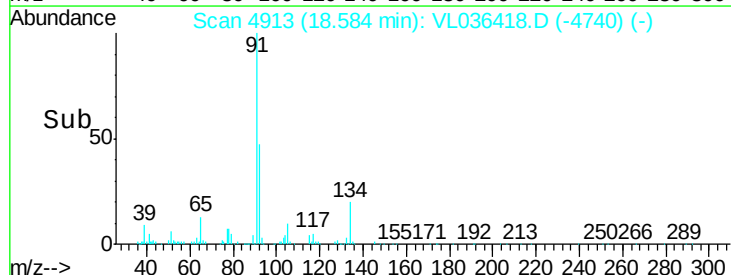
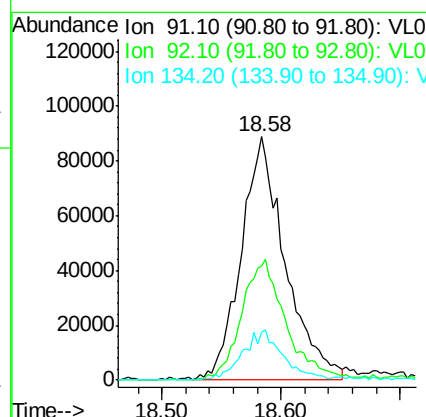
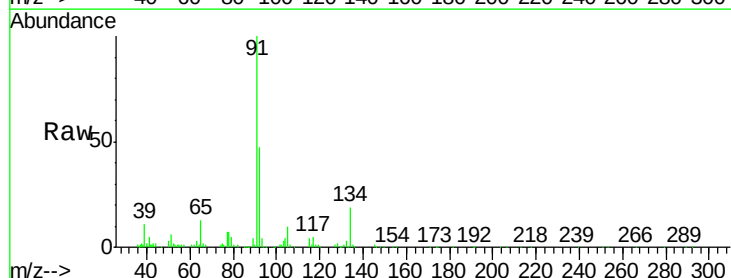
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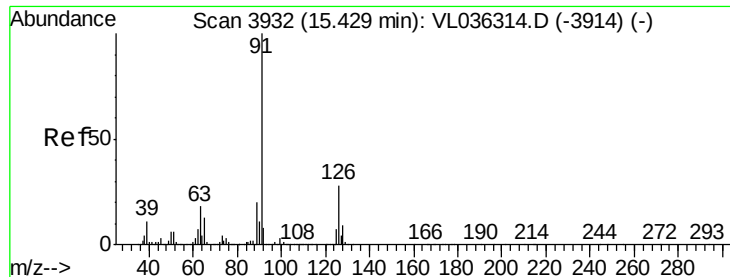
MMDadoda
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#70
n-Butylbenzene
Concen: 0.380 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	226763		
92	49.9	43.7	65.5	
134	19.4	17.4	26.0	





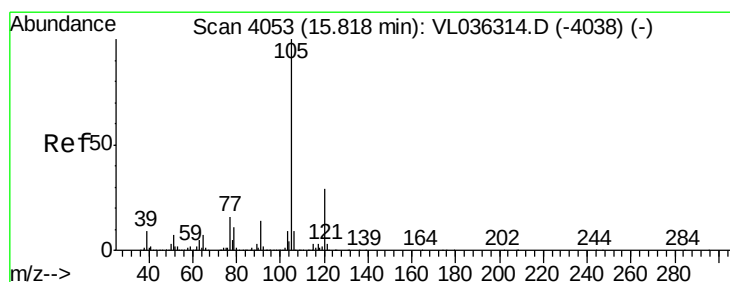
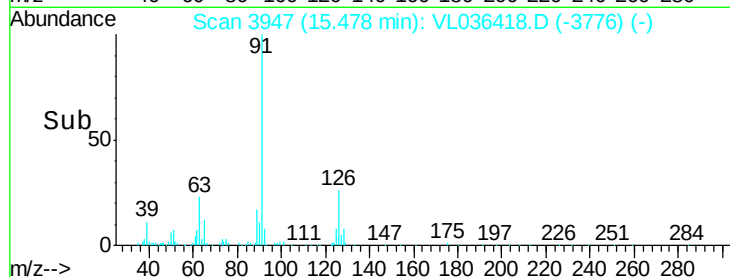
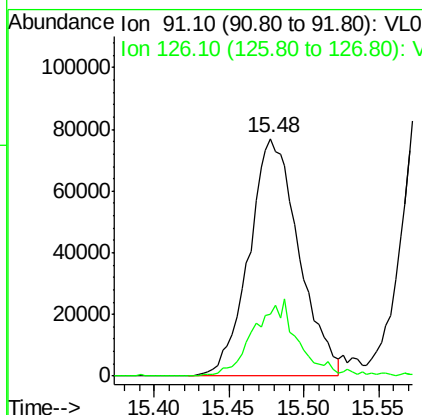
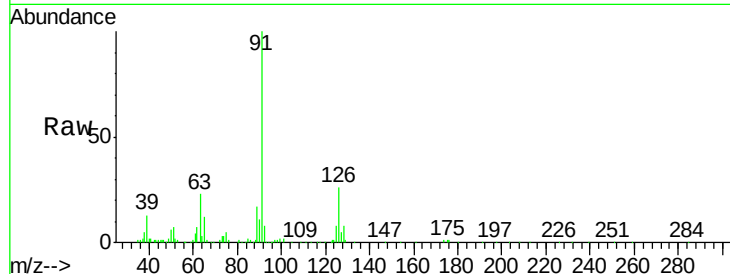
#71
2-Chlorotoluene
Concen: 0.400 ppbv
RT: 15.48 min Scan# 3947
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion: 91 Resp: 178880
Ion Ratio Lower Upper
91 100
126 29.4 11.5 46.1

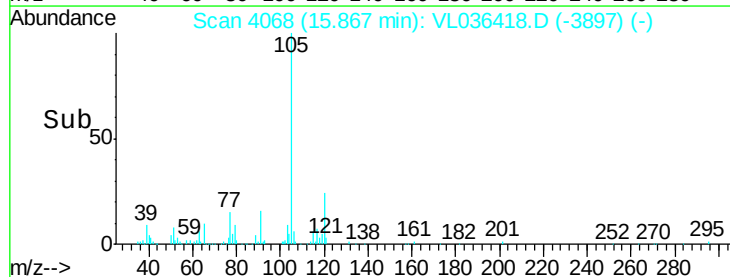
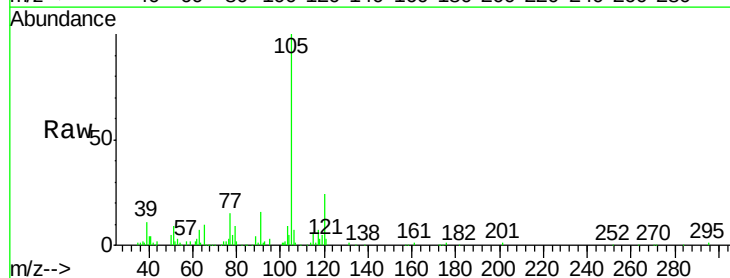
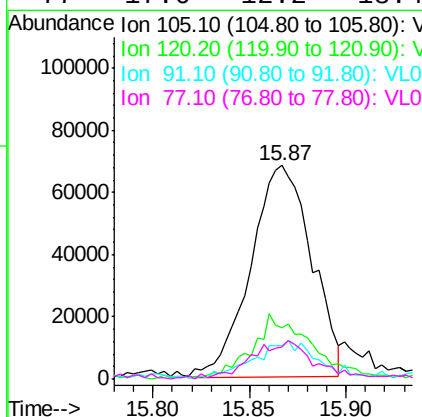
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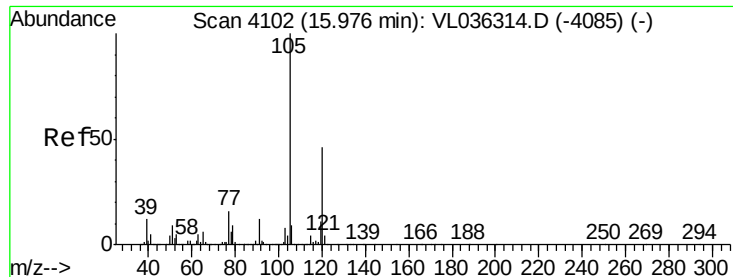
MMDadoda
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#72
4-Ethyltoluene
Concen: 0.345 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. 0.05 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion: 105 Resp: 149644
Ion Ratio Lower Upper
105 100
120 32.2 23.2 34.8
91 18.5 11.0 16.4#
77 17.6 12.2 18.4





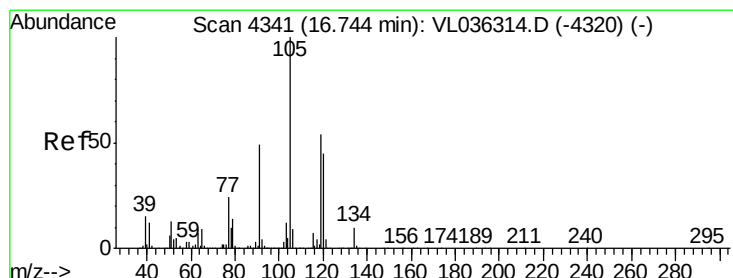
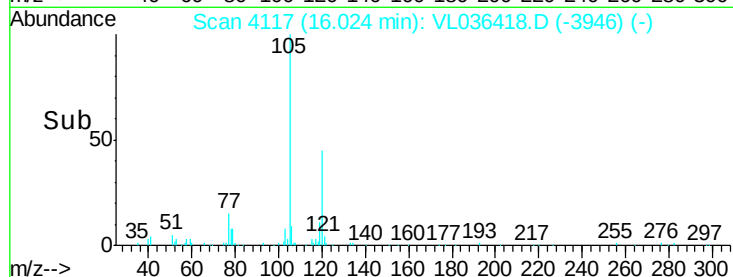
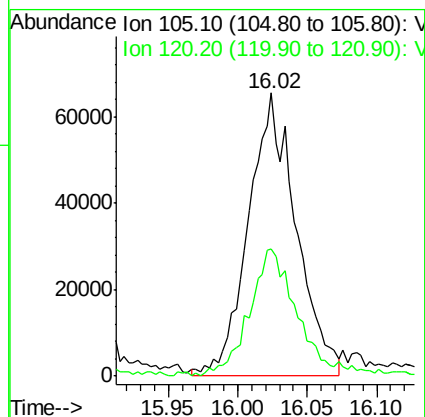
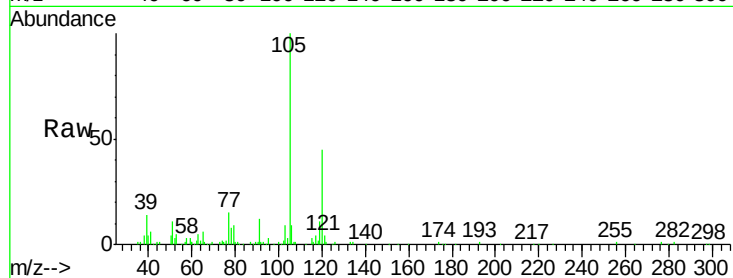
#73
 1,3,5-Trimethylbenzene
 Concen: 0.372 ppbv m
 RT: 16.02 min Scan# 4117
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.9	55.3

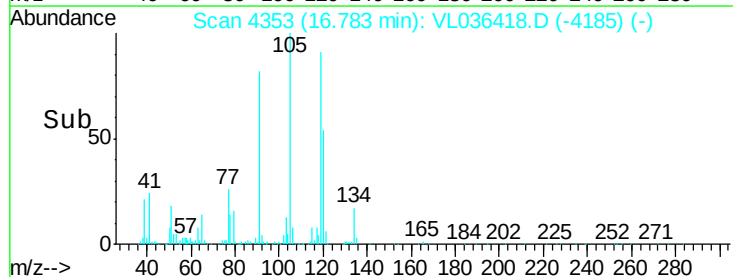
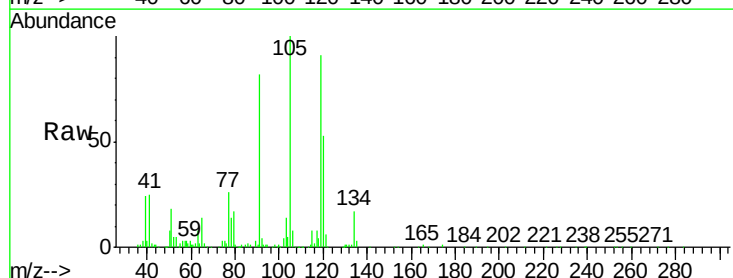
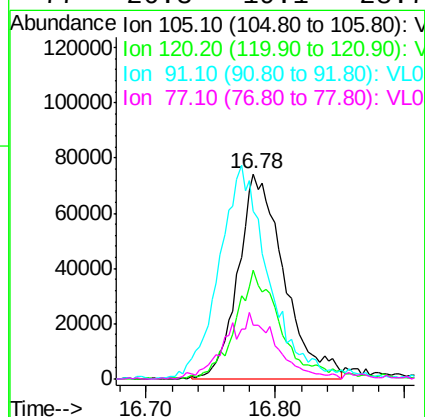
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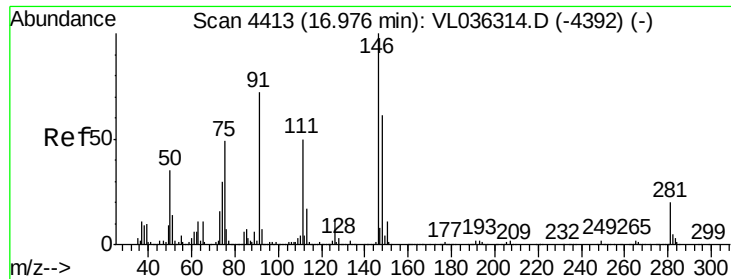
MMDadoda
 3/2/2021 3:30:18 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.425 ppbv m
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.04 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.3	35.8	53.6
91	81.6	39.8	59.6#
77	26.3	19.1	28.7





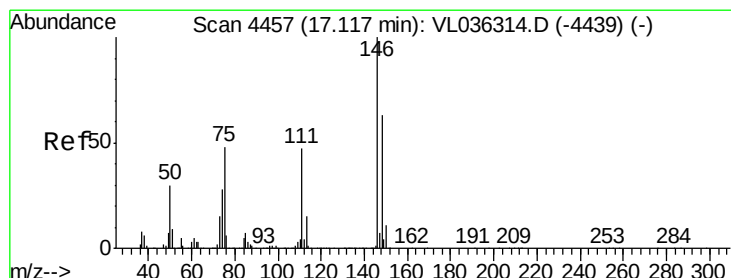
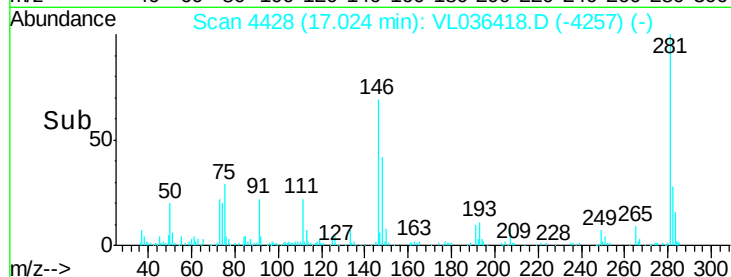
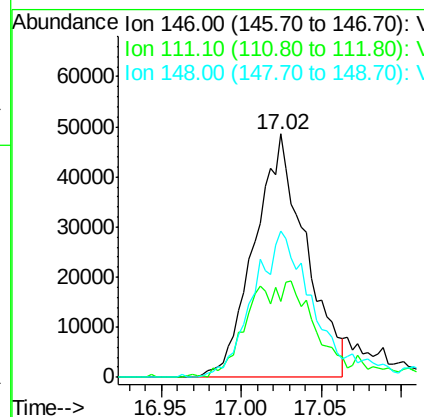
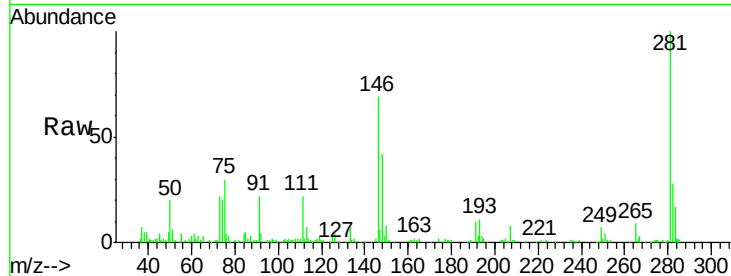
#75
 1,3-Dichlorobenzene
 Concen: 0.465 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.9	24.9	74.6
148	71.6	31.9	95.9

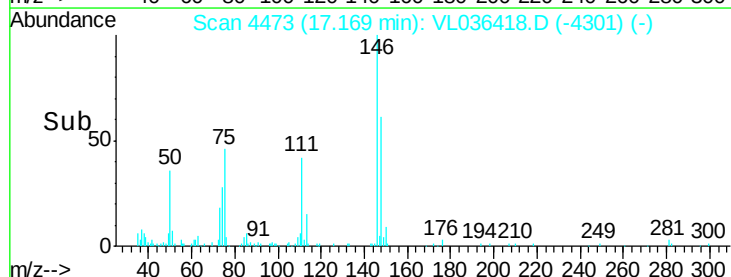
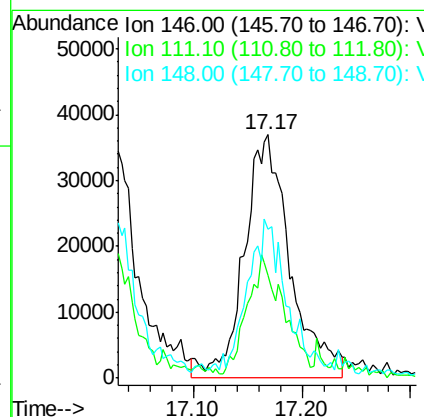
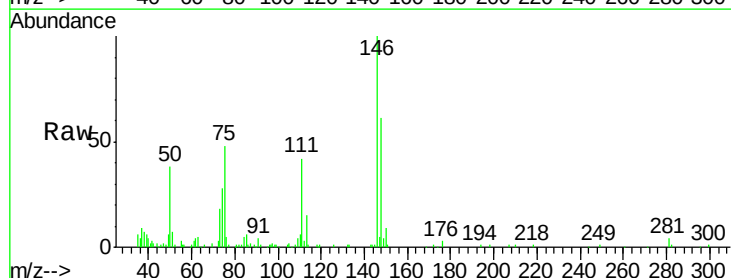
Manual Integrations
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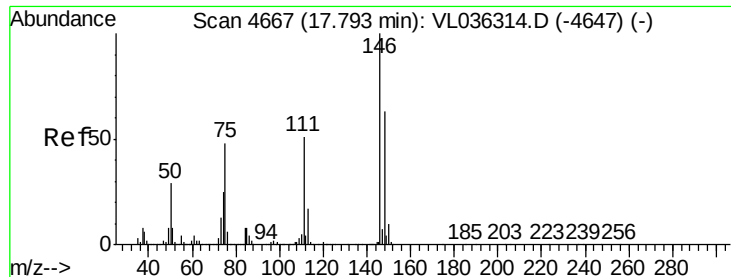
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.449 ppbv m
 RT: 17.17 min Scan# 4473
 Delta R.T. 0.05 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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: 0.450 ppbv m

RT: 17.85 min Scan# 4684

Delta R.T. 0.05 min

Lab File: VL036418.D

Acq: 1 Mar 2021 17:14

Instrument :

MSVOA_L

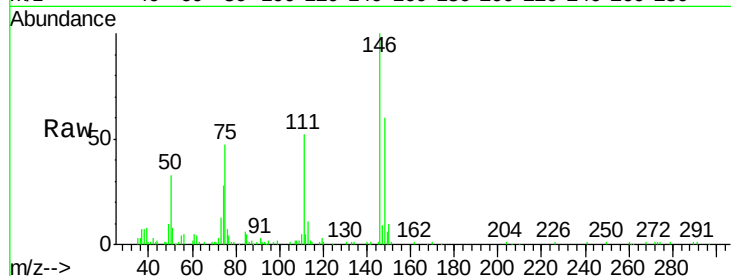
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

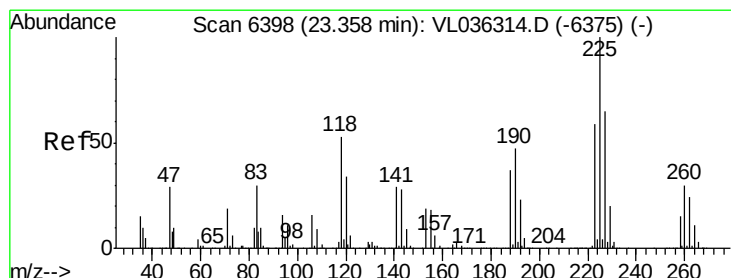
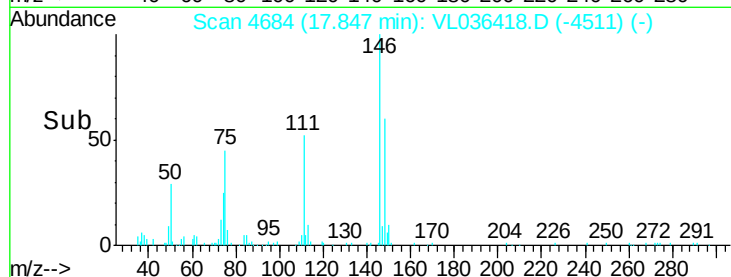
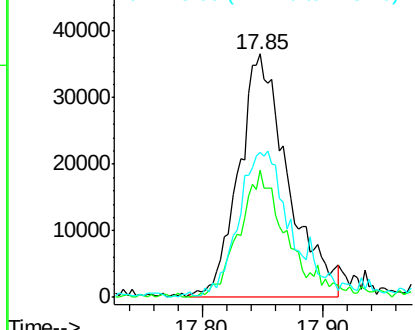
Tgt Ion:	146	Resp:	104000
Ion Ratio	Lower	Upper	
146	100		
111	0.0	25.9	77.8#
148	61.8	32.5	97.4

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.488 ppbv m

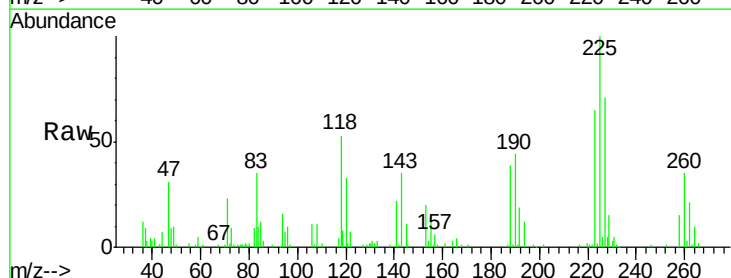
RT: 23.41 min Scan# 6413

Delta R.T. 0.05 min

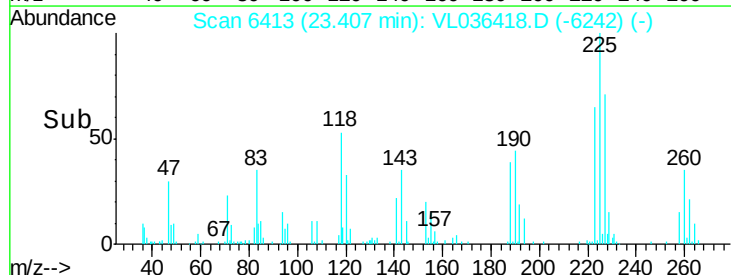
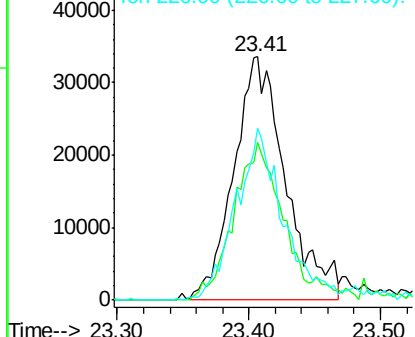
Lab File: VL036418.D

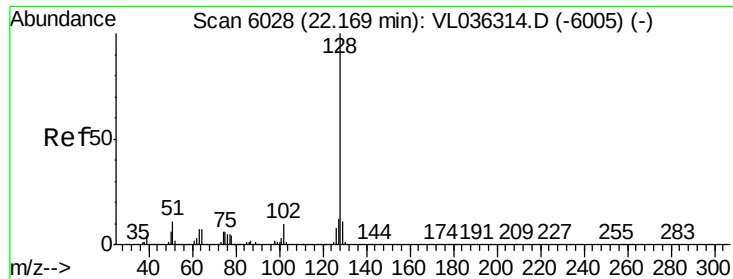
Acq: 1 Mar 2021 17:14

Tgt Ion:	225	Resp:	92137
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.8	76.2#
227	0.0	52.2	78.2#



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





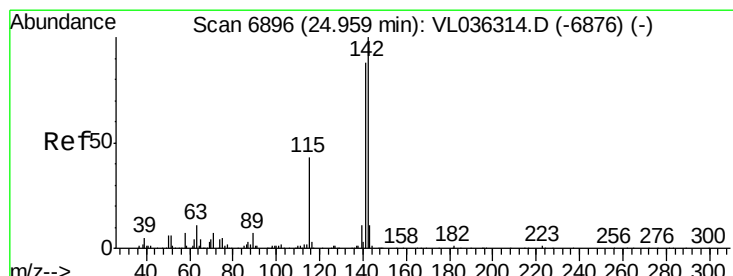
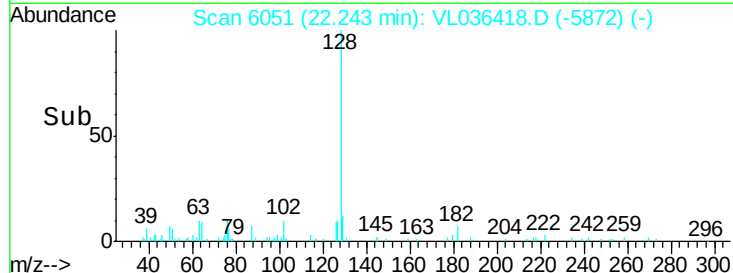
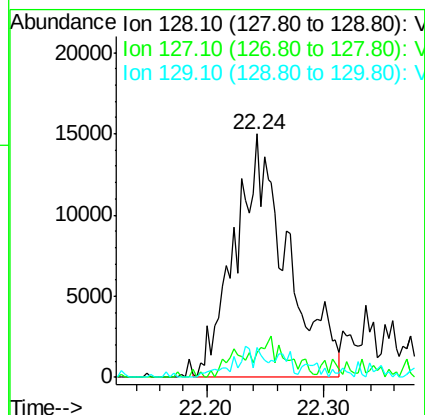
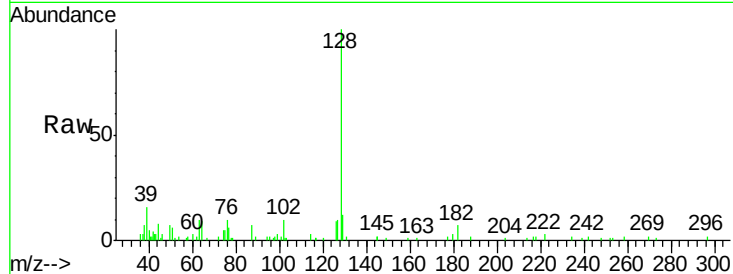
#79
Naphthalene
Concen: 0.182 ppbv m
RT: 22.24 min Scan# 6051
Delta R.T. 0.07 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	46401		
127	10.0	9.6	14.4	
129	12.2	8.5	12.7	

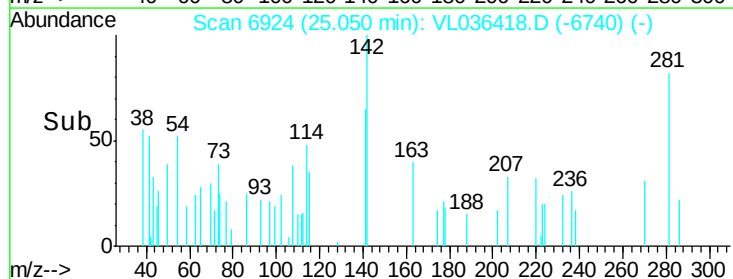
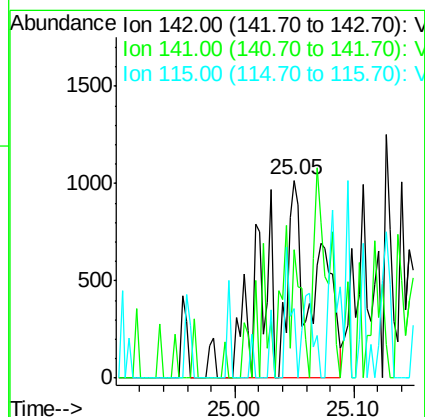
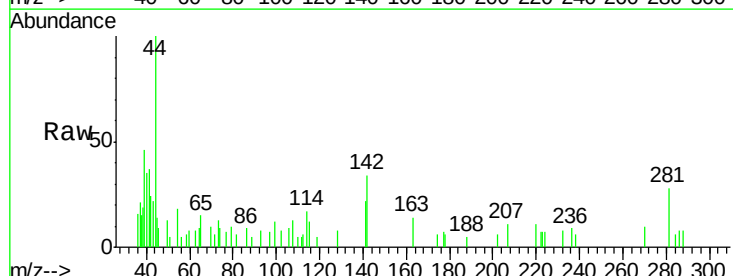
Manual Integrations
APPROVED

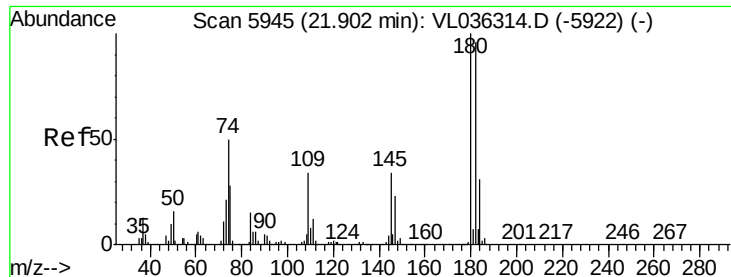
MMDadoda
3/2/2021 3:30:18 PM



#80
Naphthalene, 2-methyl-
Concen: 0.053 ppbv
RT: 25.05 min Scan# 6924
Delta R.T. 0.09 min
Lab File: VL036418.D
Acq: 1 Mar 2021 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	2488		
141	0.0	64.4	96.6#	
115	26.4	34.6	51.8#	





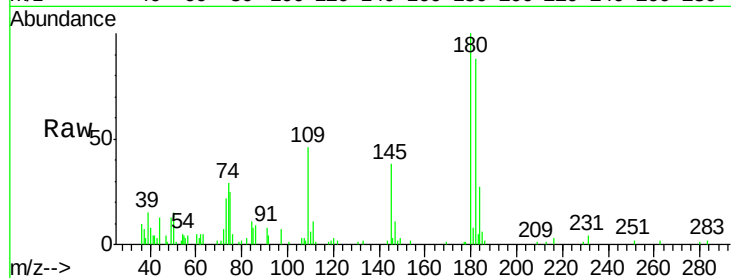
#81
 1,2,4-Trichlorobenzene
 Concen: 0.275 ppbv m
 RT: 21.97 min Scan# 5966
 Delta R.T. 0.07 min
 Lab File: VL036418.D
 Acq: 1 Mar 2021 17:14

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

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

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:18 PM



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

