

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036919.D
 Acq On : 7 May 2021 14:53
 Operator : SY/AP
 Sample : M2262-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Manual Integrations
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 5/10/2021 3:34:37 PM

Quant Time: May 08 18:59:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1256172	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2973605	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2596540	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2173554	10.43	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	146803	0.742	ppbv	99
3) Chlorodifluoromethane	3.00	51	146677	0.641	ppbv	98
4) Chloromethane	3.15	50	47888m	0.637	ppbv	
5) Vinyl Chloride	3.27	62	38262	0.504	ppbv #	85
6) Bromomethane	3.48	94	26589m	0.652	ppbv	
7) Chloroethane	3.57	64	13854	0.556	ppbv #	82
8) Dichlorotetrafluoroethane	3.20	85	117822	0.653	ppbv	99
9) Propene	3.02	41	30348	0.435	ppbv	88
10) Heptane	8.13	43	59276	0.338	ppbv	95
11) Trichlorofluoromethane	3.96	101	115256m	0.653	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	68801	0.582	ppbv	94
13) Ethanol	3.64	45	5398m	0.607	ppbv	
14) Bromoethene	3.75	108	23448	0.486	ppbv #	86
15) Acetone	3.88	43	79600m	0.672	ppbv	
16) 1,3-Butadiene	3.34	39	41238m	0.545	ppbv	
17) tert-Butyl alcohol	4.36	59	54476m	0.567	ppbv	
18) 1,1-Dichloroethene	4.29	96	30063m	0.585	ppbv	
19) Isopropyl Alcohol	4.02	45	35211m	0.600	ppbv	
20) Methylene Chloride	4.35	84	36234	0.640	ppbv #	90
21) Allyl Chloride	4.43	41	42549	0.484	ppbv	87
22) trans-1,2-Dichloroethene	4.90	96	28742m	0.558	ppbv	
23) Vinyl Acetate	5.11	43	72418m	0.450	ppbv	
24) 1,1-Dichloroethane	5.02	63	75091m	0.657	ppbv	
25) Ethyl Acetate	5.70	43	137789m	0.476	ppbv	
26) Hexane	5.71	57	61467m	0.454	ppbv	
27) Carbon Disulfide	4.56	76	54721	0.466	ppbv #	71
28) Methyl tert-Butyl Ether	5.07	73	62136	0.518	ppbv	92
29) Chloroform	5.76	83	124427	0.590	ppbv	92
30) Cyclohexane	7.14	84	60106m	0.560	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	45569	0.375	ppbv #	88
32) 1,1,1-Trichloroethane	6.52	97	121125	0.565	ppbv	96
34) 2-Butanone	5.28	43	45646	0.350	ppbv #	78
35) Carbon Tetrachloride	7.03	117	125301	0.621	ppbv	91
36) Benzene	6.90	78	103862m	0.415	ppbv	
37) 1,2-Dichloroethane	6.32	62	71194	0.502	ppbv #	93
38) Trichloroethene	7.85	130	44707m	0.501	ppbv	
39) 1,2-Dichloropropane	7.62	63	44289	0.441	ppbv	93
40) 1,4-Dioxane	7.90	88	14301m	0.590	ppbv	
41) Tetrahydrofuran	6.09	42	18095m	0.318	ppbv	
42) Bromodichloromethane	7.80	83	112944	0.573	ppbv	98
43) Methyl Methacrylate	8.04	69	25600m	0.313	ppbv	

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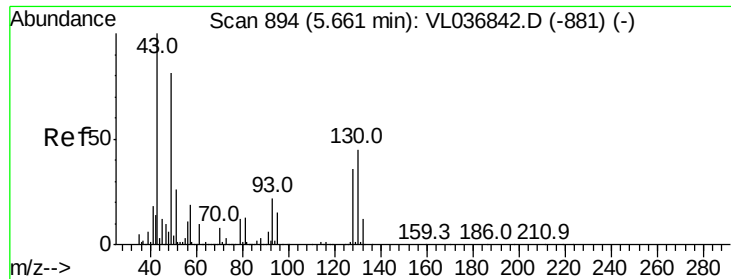
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	175215	0.408	ppbv	# 78
45) t-1,3-Dichloropropene	9.29	75	31241m	0.354	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	40361m	0.357	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	56668m	0.545	ppbv	
48) Dibromochloromethane	10.31	129	82133m	0.533	ppbv	
49) Bromoform	13.05	173	64041m	0.521	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	63702m	0.358	ppbv	
51) 2-Hexanone	10.18	43	24682m	0.278	ppbv	
52) Tetrachloroethene	11.23	164	39367m	0.461	ppbv	
53) Toluene	9.82	91	82710	0.315	ppbv	96
54) 1,2-Dibromoethane	10.62	107	68534m	0.467	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	72951	0.670	ppbv	# 1
57) Chlorobenzene	12.15	112	116579	0.576	ppbv	97
58) Ethyl Benzene	12.72	91	113300m	0.344	ppbv	
59) m/p-Xylene	13.01	91	234870m	0.798	ppbv	
60) o-Xylene	13.70	91	115702	0.407	ppbv	99
61) Styrene	13.53	104	35272m	0.264	ppbv	
62) Isopropylbenzene	14.68	105	164284	0.424	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	141833m	0.622	ppbv	
64) n-propylbenzene	15.57	120	36395m	0.377	ppbv	
65) tert-Butylbenzene	16.76	119	147913m	0.432	ppbv	
66) Benzyl Chloride	17.00	91	17425m	0.521	ppbv	
67) sec-Butylbenzene	17.31	105	205533	0.432	ppbv	97
69) p-Isopropyltoluene	17.67	119	136142m	0.357	ppbv	
70) n-Butylbenzene	18.56	91	147770m	0.385	ppbv	
71) 2-Chlorotoluene	15.46	91	107218	0.374	ppbv	98
72) 4-Ethyltoluene	15.84	105	107283m	0.351	ppbv	
73) 1,3,5-Trimethylbenzene	16.01	105	118258m	0.399	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	129296	0.411	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	99820m	0.537	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	90511m	0.497	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	76265	0.420	ppbv	79
78) Hexachloro-1,3-Butadiene	23.38	225	93717m	0.607	ppbv	
79) Naphthalene	22.21	128	37826m	0.215	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	36083m	0.317	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL036919.D

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Tot Ion: 49 Resp: 1256172

Ion Ratio Lower Upper

49 100

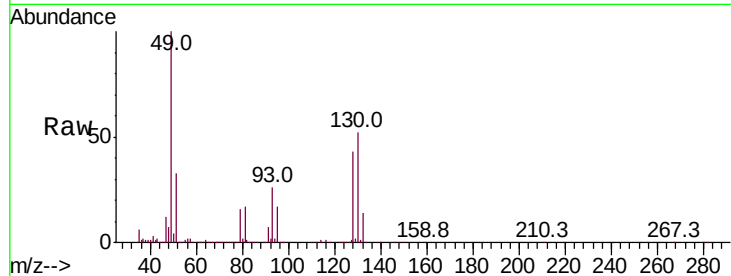
128 45.1 24.4 73.2

130 58.3 30.3 90.8

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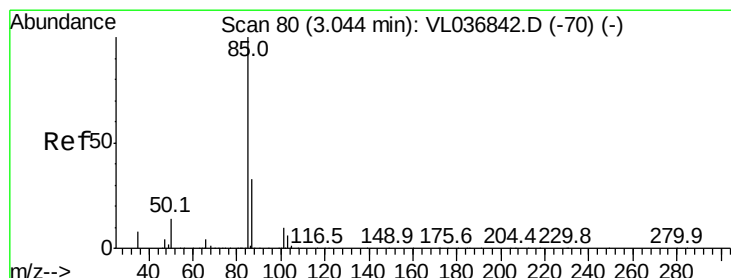
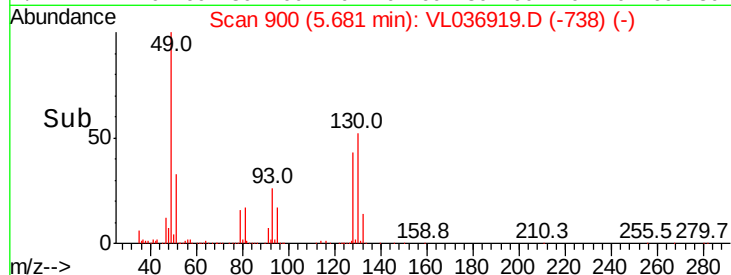
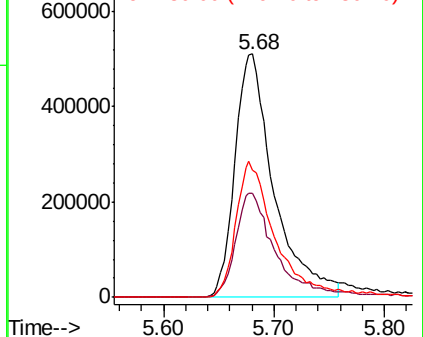
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.742 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036919.D

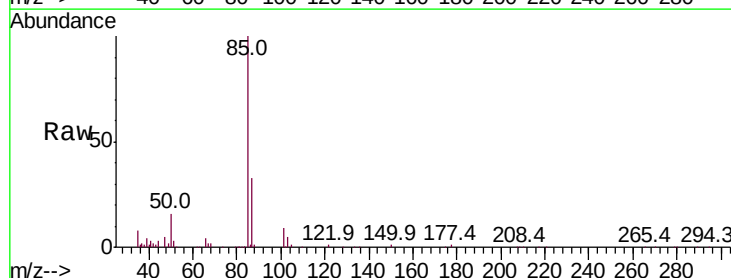
Acq: 7 May 2021 14:53

Tgt Ion: 85 Resp: 146803

Ion Ratio Lower Upper

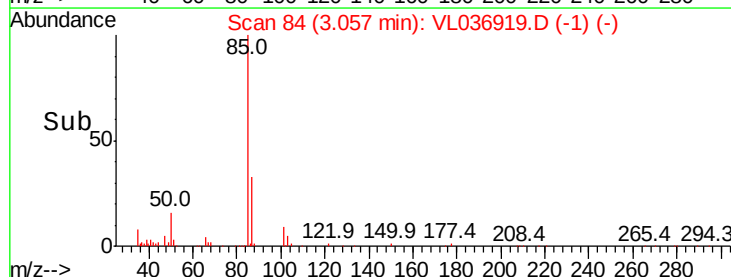
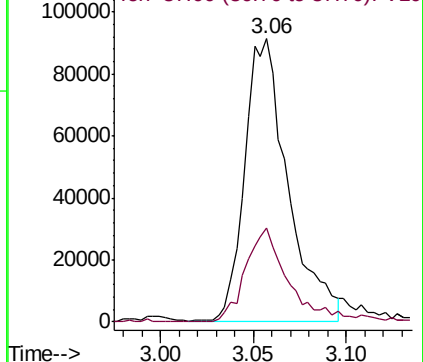
85 100

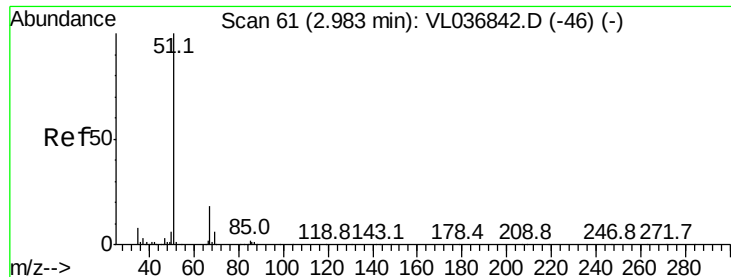
87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





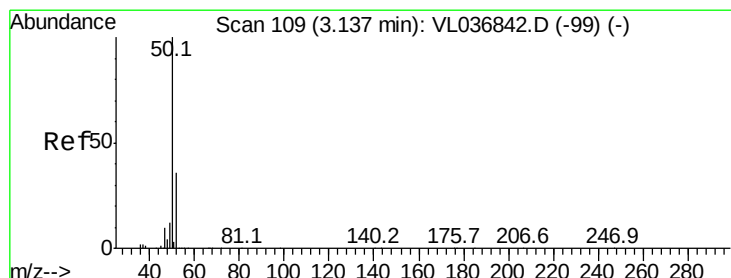
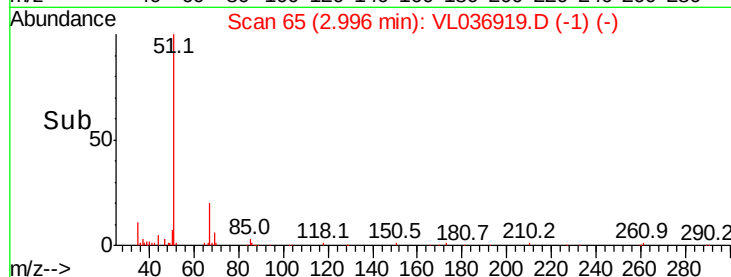
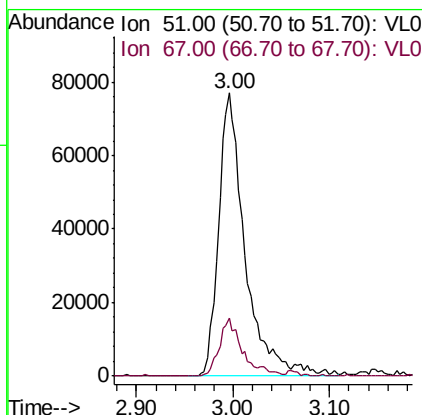
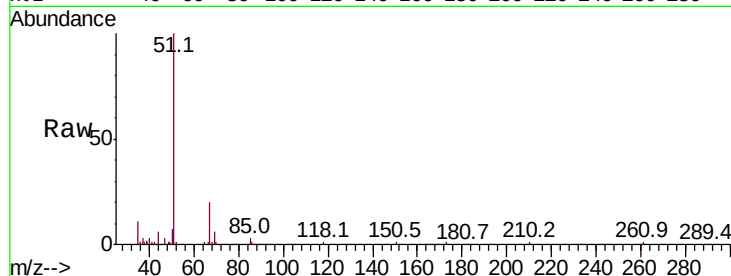
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Chlorodifluoromethane
Concen: 0.641 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

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MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 146677
Ion Ratio Lower Upper
51 100
67 17.8 14.8 22.2

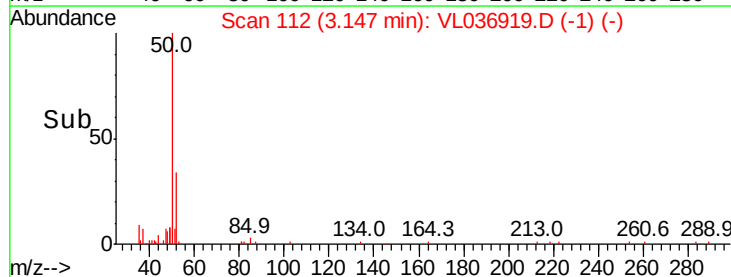
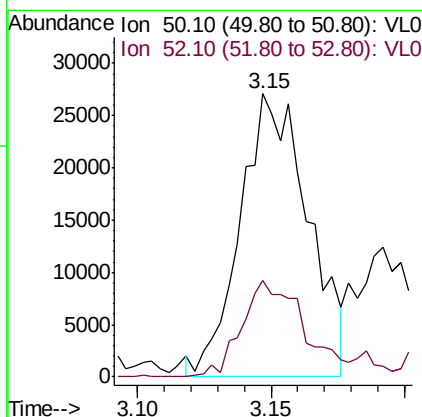
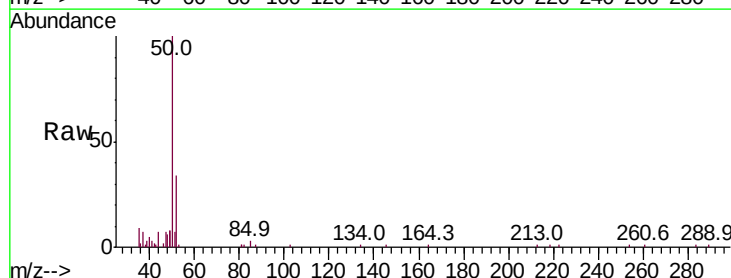
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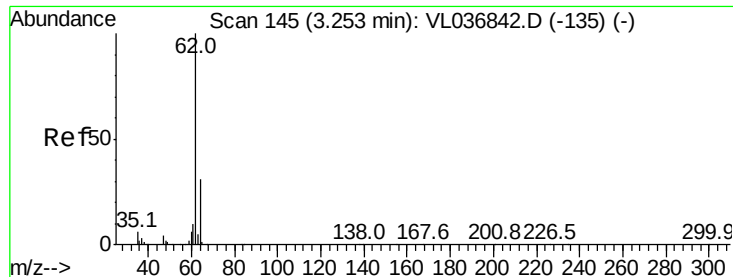
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#4
Chloromethane
Concen: 0.637 ppbv m
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 50 Resp: 47888
Ion Ratio Lower Upper
50 100
52 34.2 28.5 42.7





#5

Vinyl Chloride

Concen: 0.504 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 38262

Ion Ratio Lower Upper

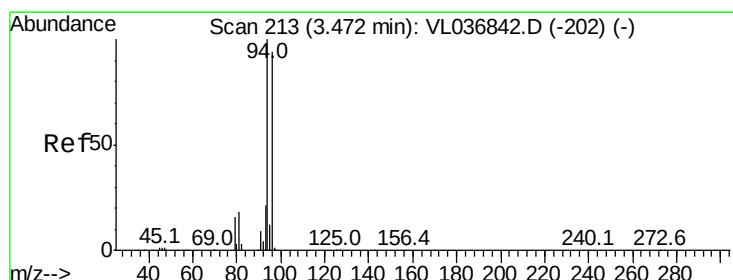
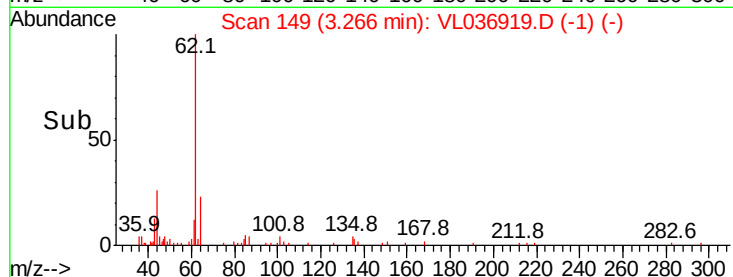
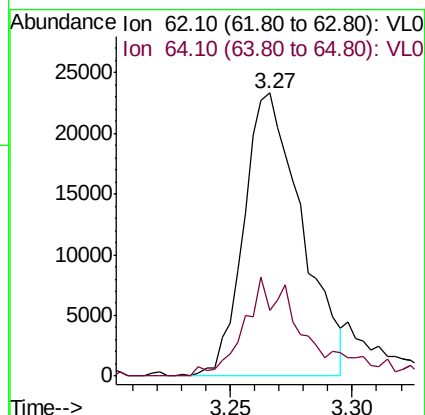
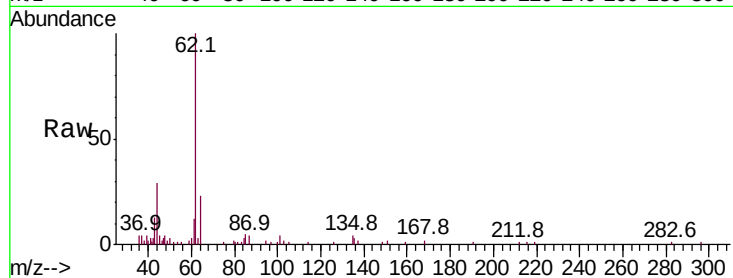
62 100

64 23.0 25.0 37.4#

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5/10/2021 3:34:37 PM



#6

Bromomethane

Concen: 0.652 ppbv m

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL036919.D

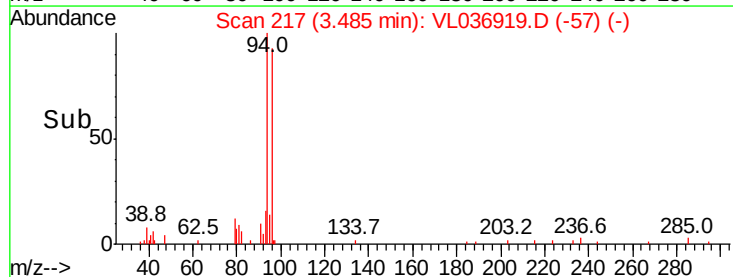
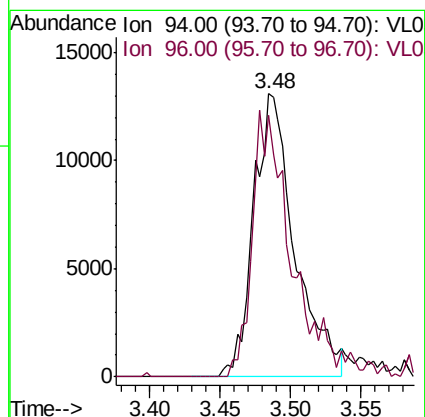
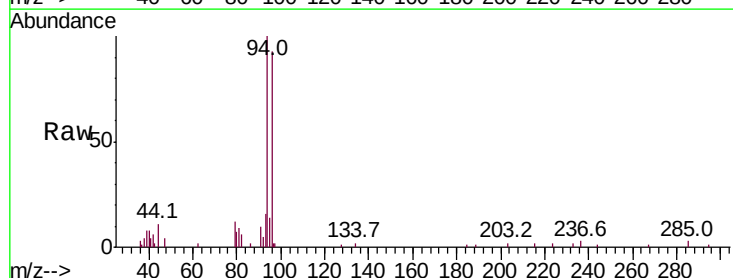
Acq: 7 May 2021 14:53

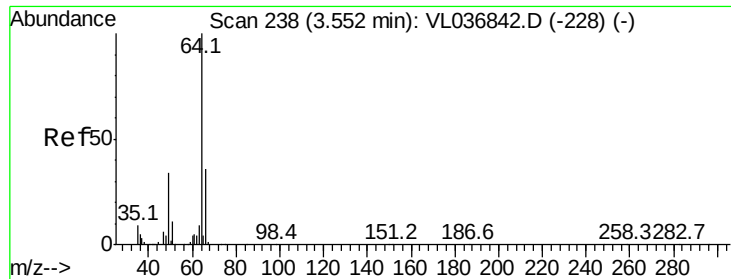
Tgt Ion: 94 Resp: 26589

Ion Ratio Lower Upper

94 100

96 92.6 75.4 113.0





#7

Chloroethane

Concen: 0.556 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 13854

Ion Ratio Lower Upper

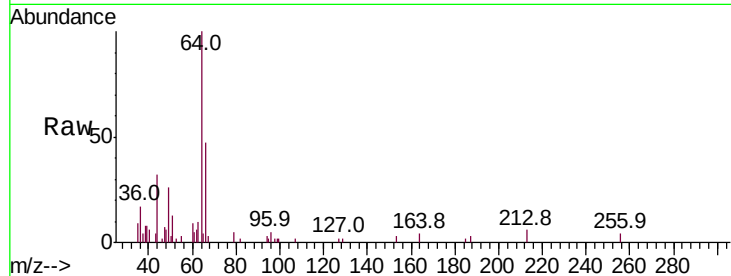
64 100

66 46.8 29.0 43.6#

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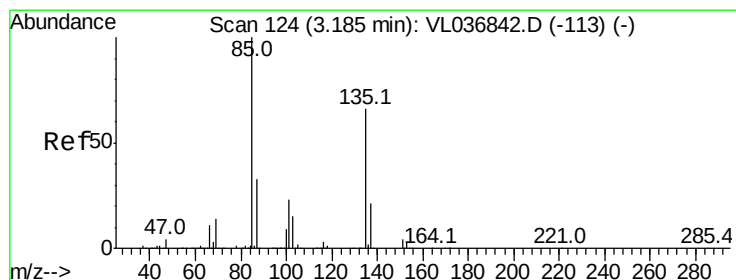
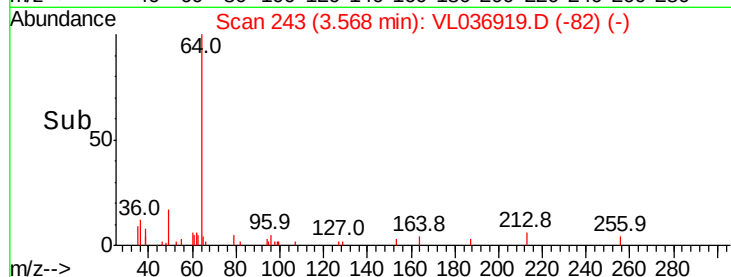
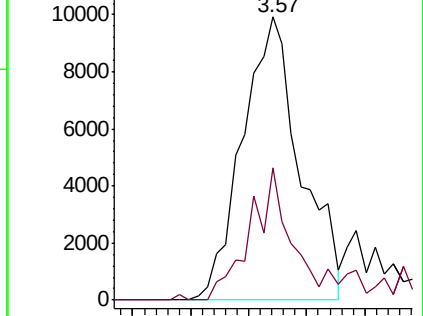
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.653 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036919.D

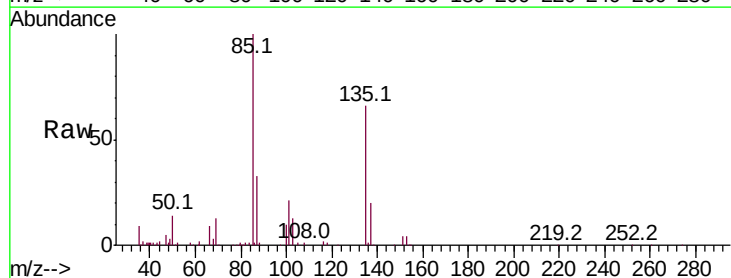
Acq: 7 May 2021 14:53

Tgt Ion: 85 Resp: 117822

Ion Ratio Lower Upper

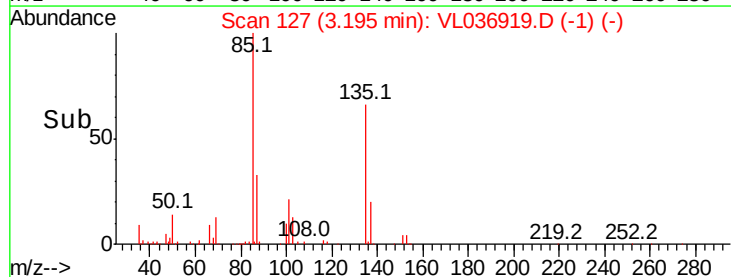
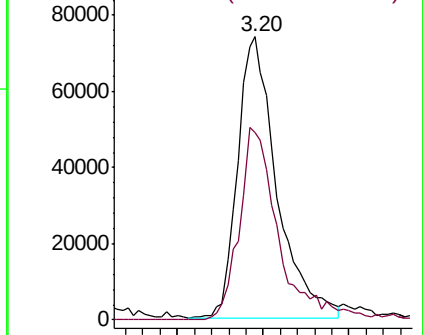
85 100

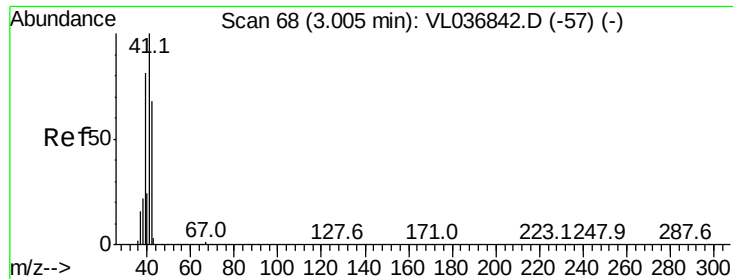
135 69.7 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





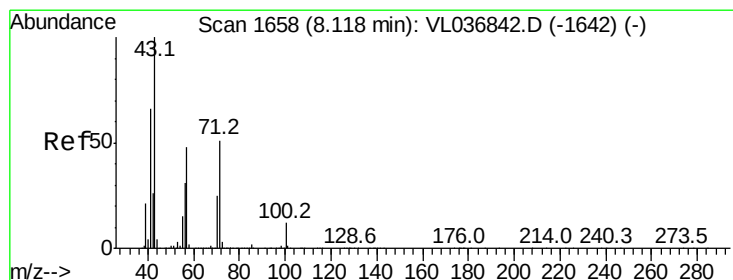
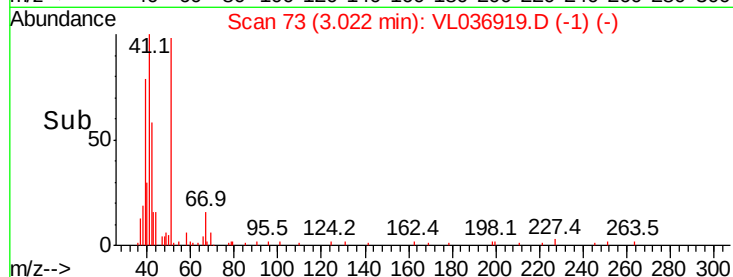
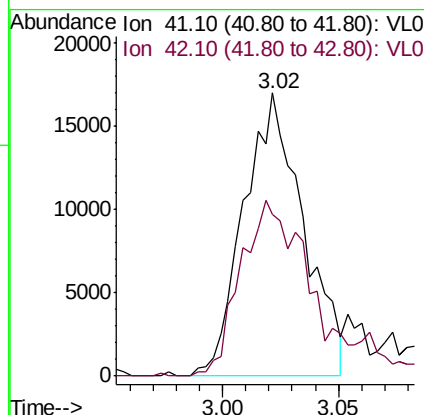
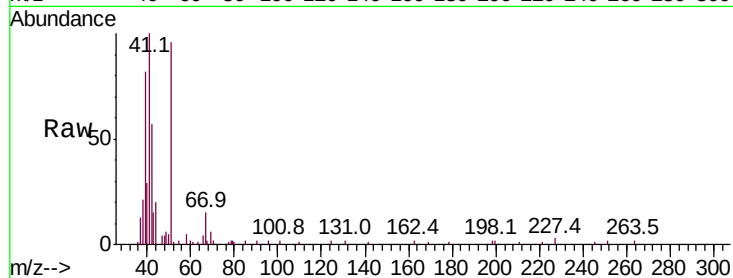
#9
 Propene
 Concen: 0.435 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion: 41 Resp: 30348
 Ion Ratio Lower Upper
 41 100
 42 79.5 56.0 84.0

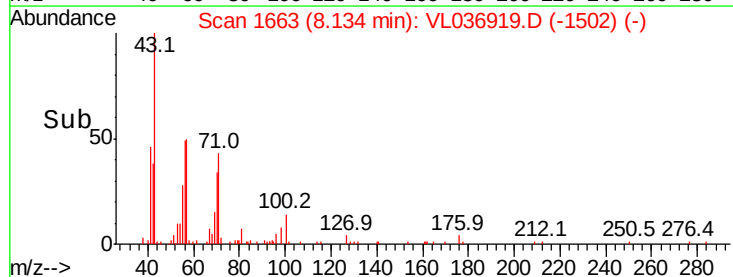
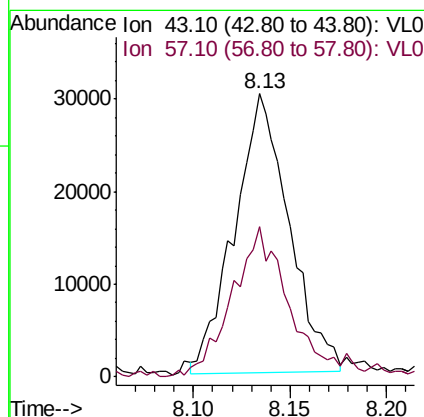
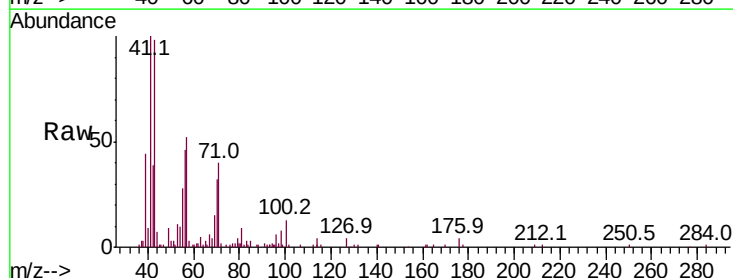
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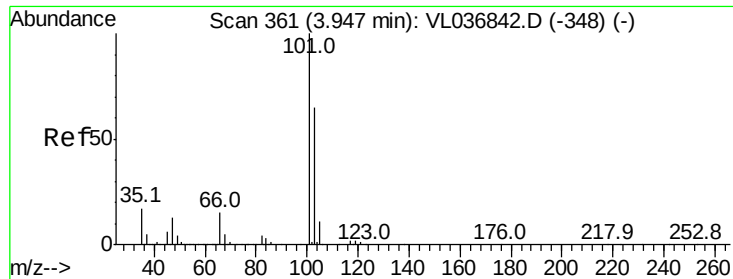
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 5/10/2021 3:34:37 PM



#10
 Heptane
 Concen: 0.338 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 43 Resp: 59276
 Ion Ratio Lower Upper
 43 100
 57 51.6 38.8 58.2





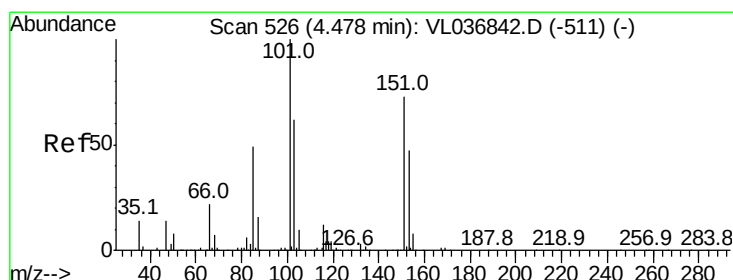
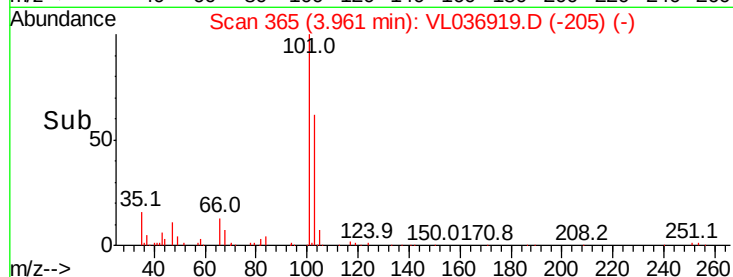
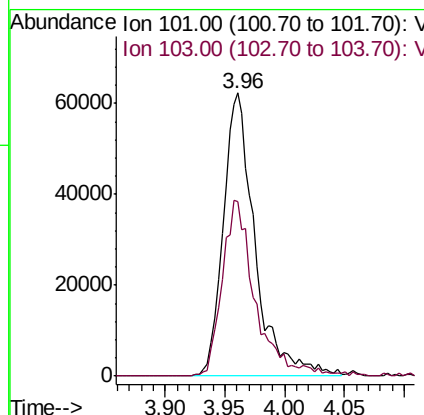
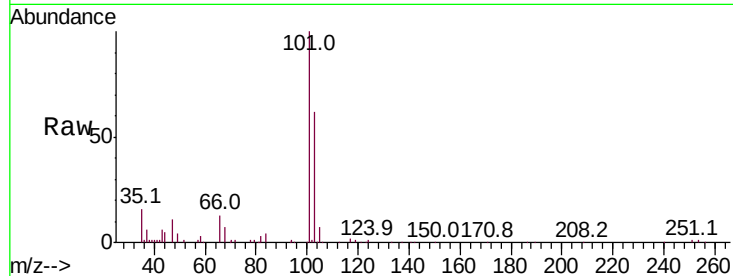
#11
 Trichlorofluoromethane
 Concen: 0.653 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion:101 Resp: 115256
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.6 77.4

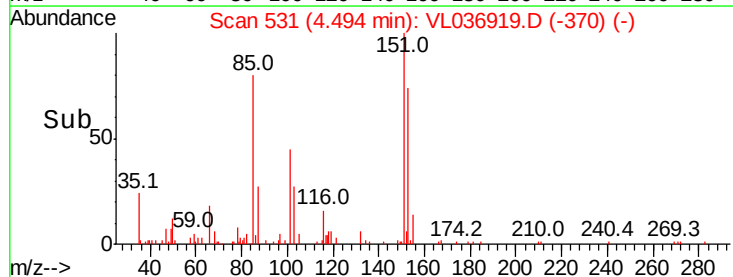
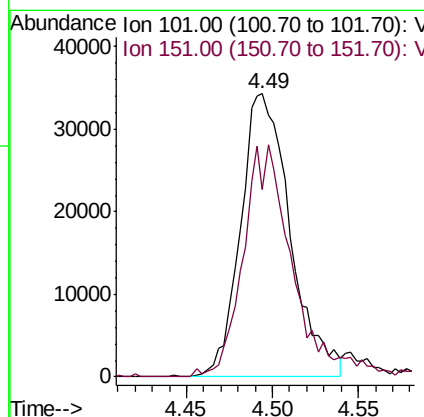
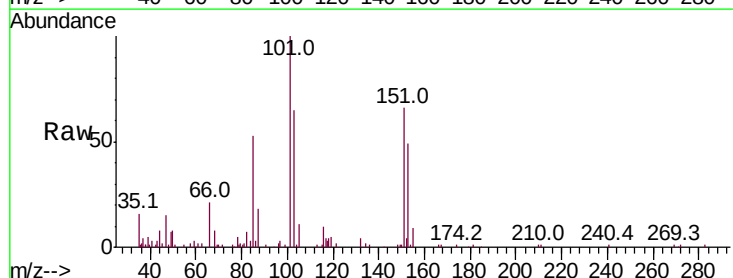
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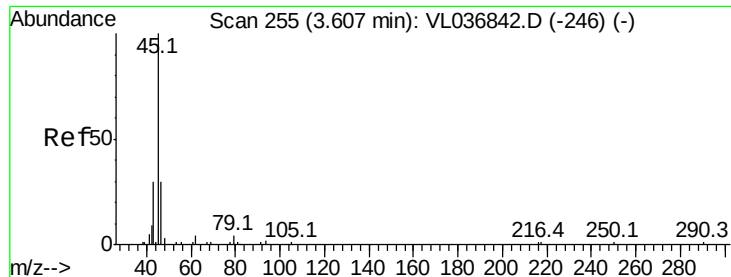
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.582 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion:101 Resp: 68801
 Ion Ratio Lower Upper
 101 100
 151 81.4 61.1 91.7





#13

Ethanol

Concen: 0.607 ppbv m

RT: 3.64 min Scan# 264

Delta R.T. 0.03 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 5398

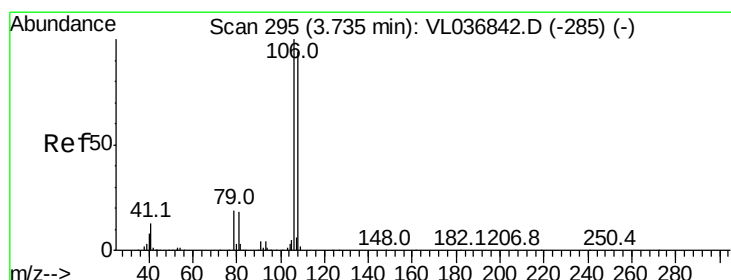
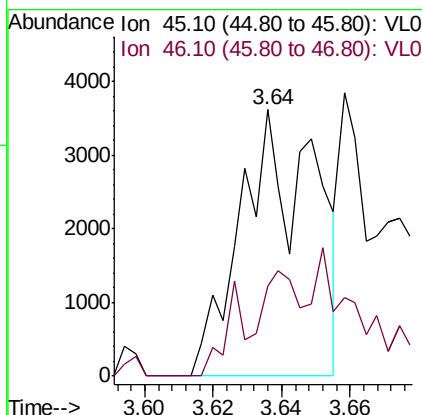
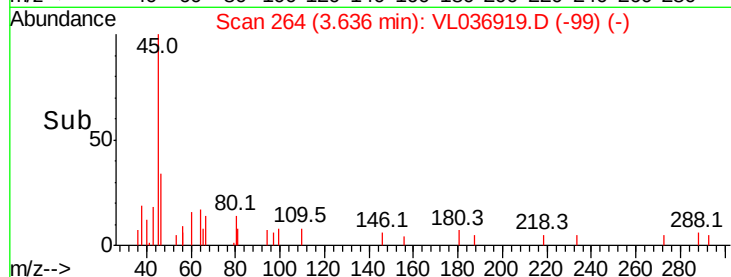
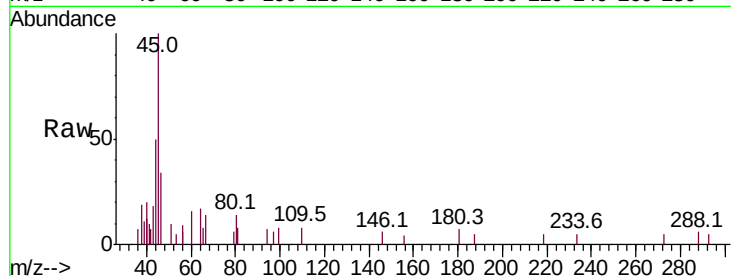
Ion Ratio Lower Upper

45 100

46 5.5 16.8 67.4#

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#14

Bromoethene

Concen: 0.486 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

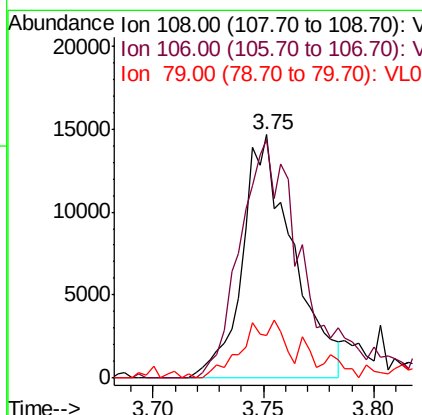
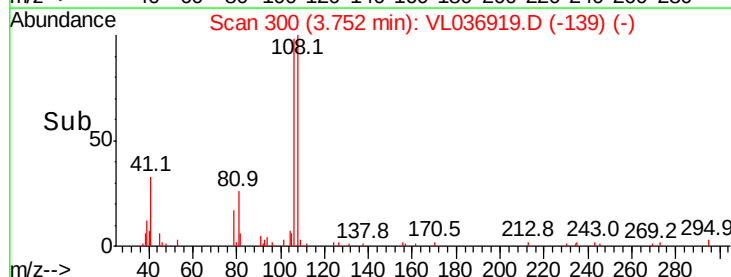
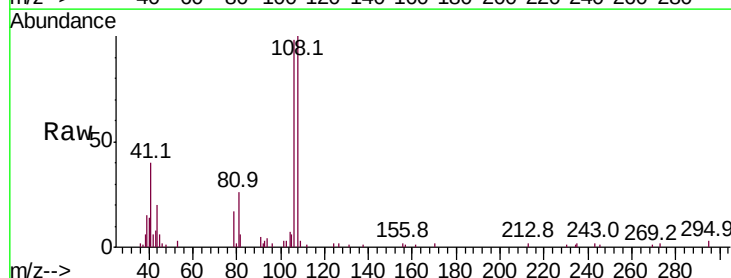
Tgt Ion: 108 Resp: 23448

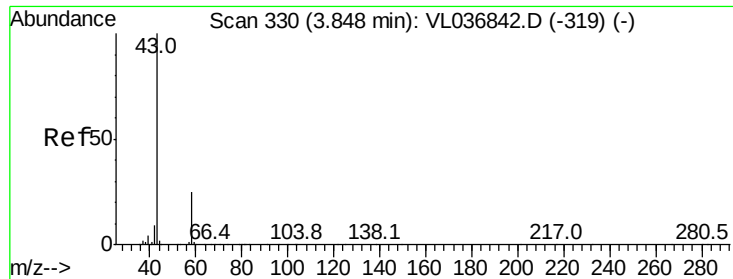
Ion Ratio Lower Upper

108 100

106 126.0 88.5 132.7

79 28.7 17.9 26.9#





#15

Acetone

Concen: 0.672 ppbv m

RT: 3.88 min Scan# 341

Delta R.T. 0.04 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 79600

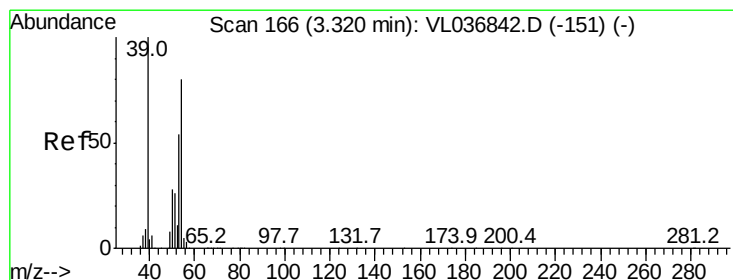
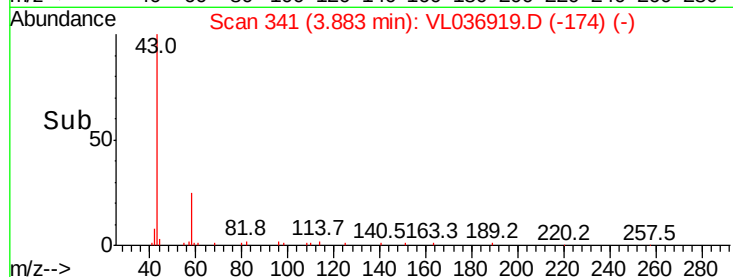
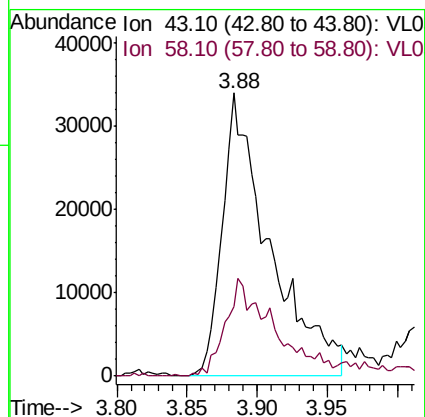
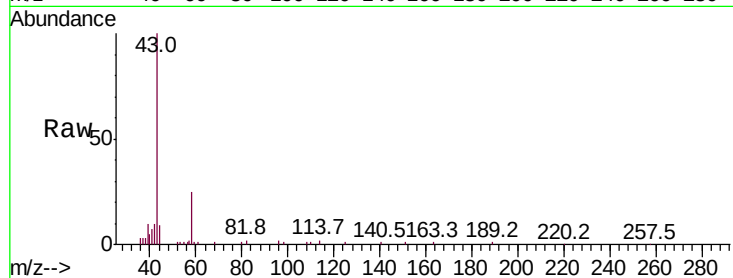
Ion Ratio Lower Upper

43 100

58 38.8 21.7 32.5#

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#16

1,3-Butadiene

Concen: 0.545 ppbv m

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL036919.D

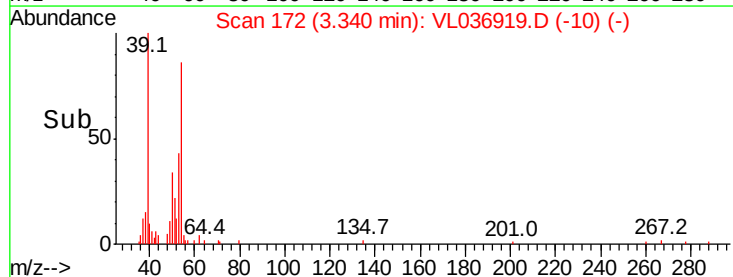
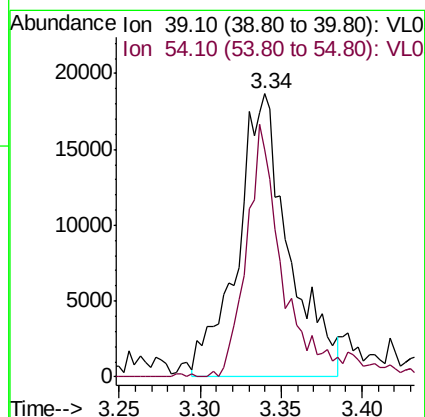
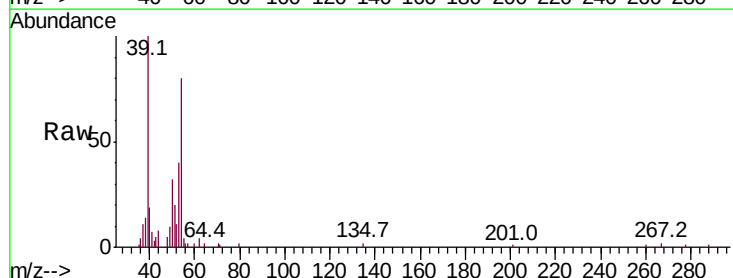
Acq: 7 May 2021 14:53

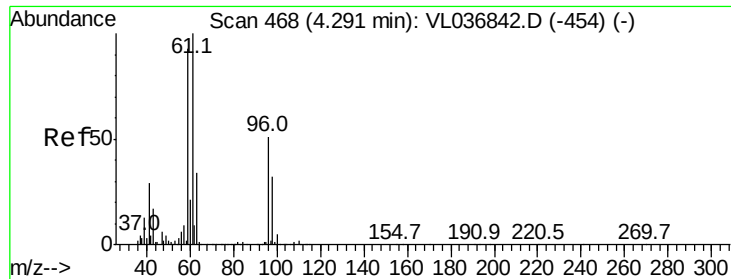
Tgt Ion: 39 Resp: 41238

Ion Ratio Lower Upper

39 100

54 0.0 59.6 89.4#





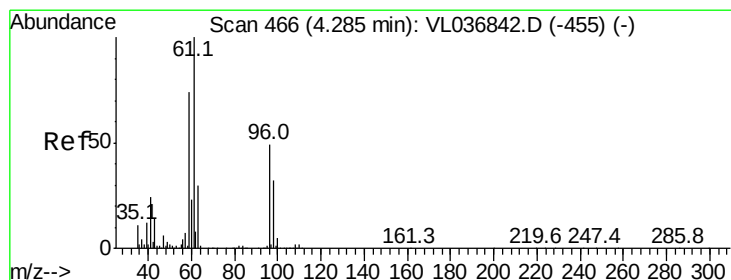
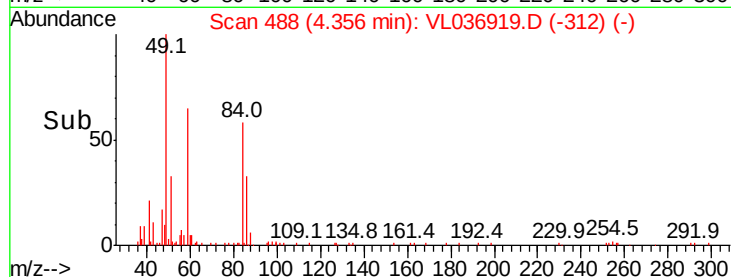
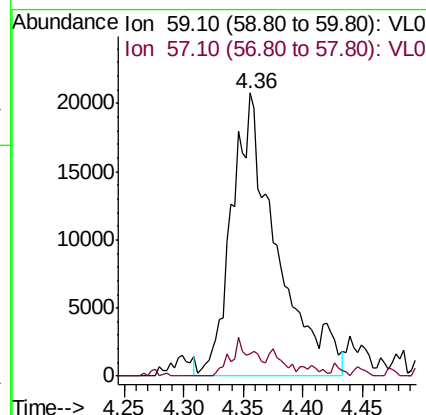
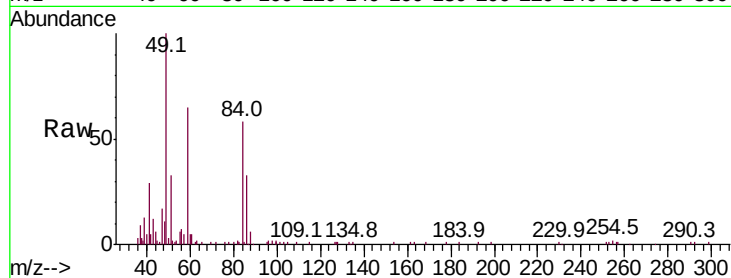
#17
tert-Butyl alcohol
Concen: 0.567 ppbv m
RT: 4.36 min Scan# 488
Delta R.T. 0.06 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 59 Resp: 54476
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

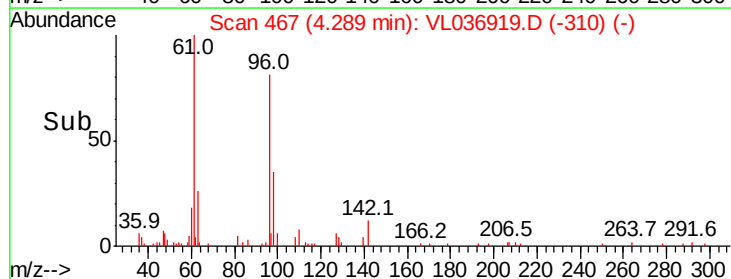
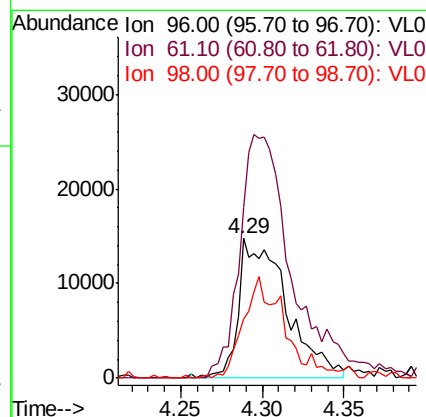
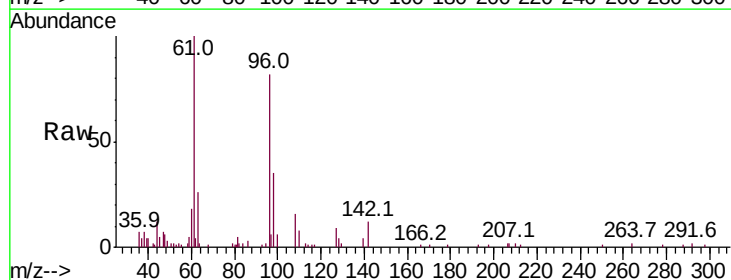
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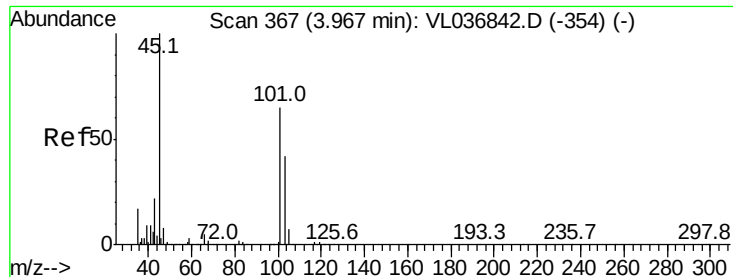
MMDadoda
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#18
1,1-Dichloroethene
Concen: 0.585 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 96 Resp: 30063
Ion Ratio Lower Upper
96 100
61 122.6 162.2 243.2#
98 42.8 51.8 77.6#





#19

Isopropyl Alcohol

Concen: 0.600 ppbv m

RT: 4.02 min Scan# 382

Delta R.T. 0.05 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

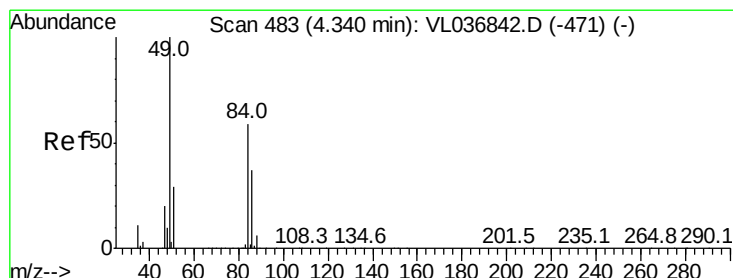
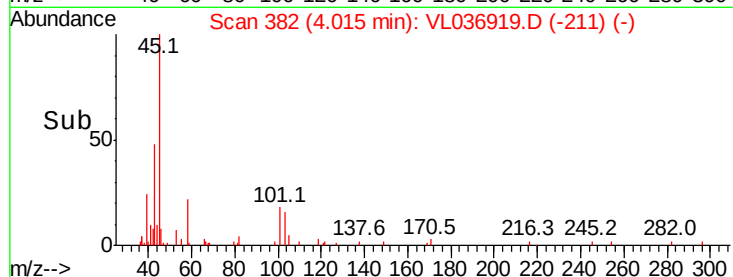
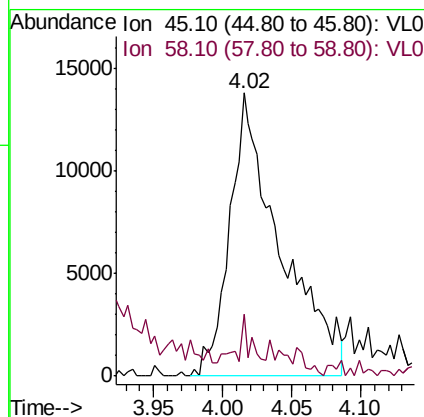
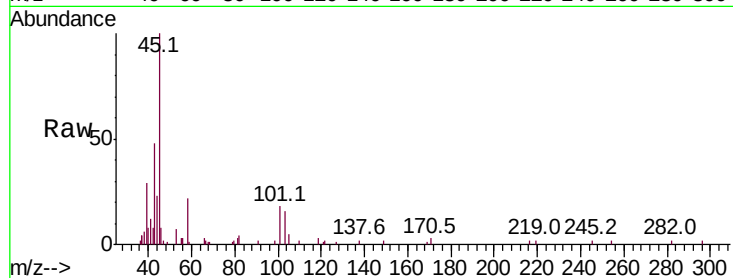
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 35211
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.8 4.2#

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#20

Methylene Chloride

Concen: 0.640 ppbv

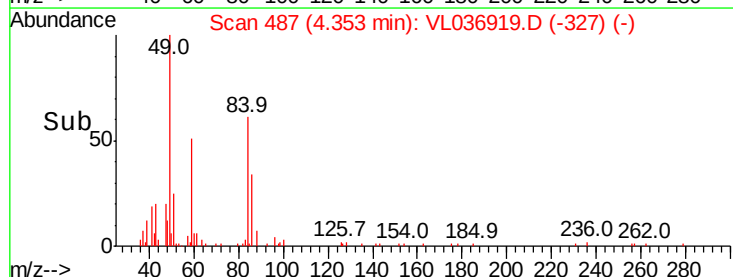
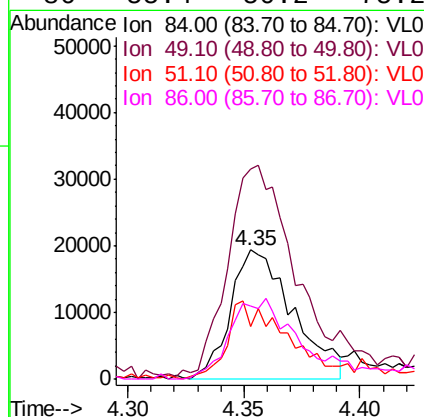
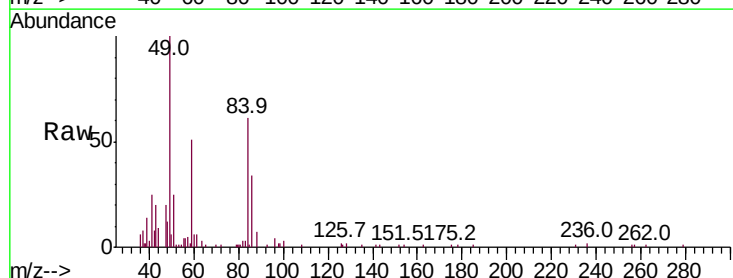
RT: 4.35 min Scan# 487

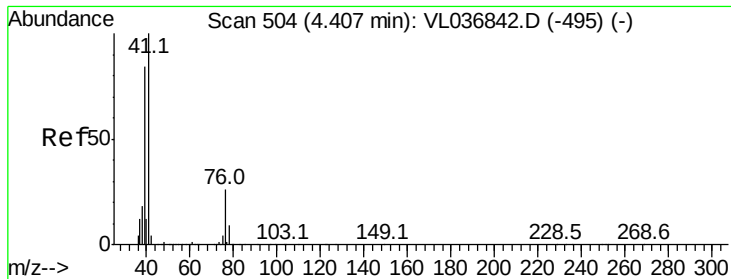
Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion: 84 Resp: 36234
 Ion Ratio Lower Upper
 84 100
 49 157.9 135.4 203.0
 51 39.1 39.3 58.9#
 86 55.4 50.2 75.2





#21

Allvl Chloride

Concen: 0.484 ppbv

RT: 4.43 min Scan# 510

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

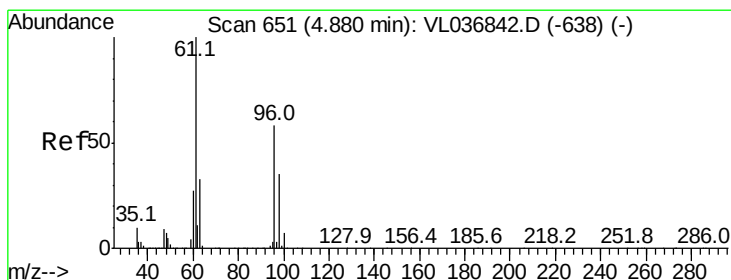
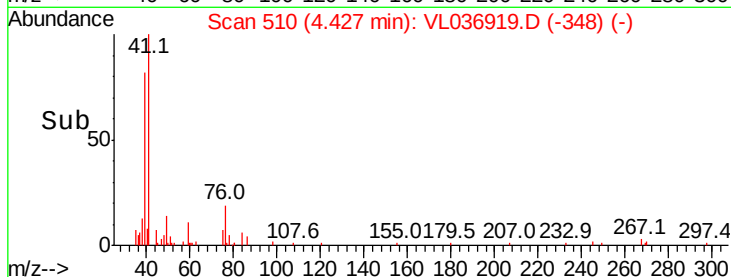
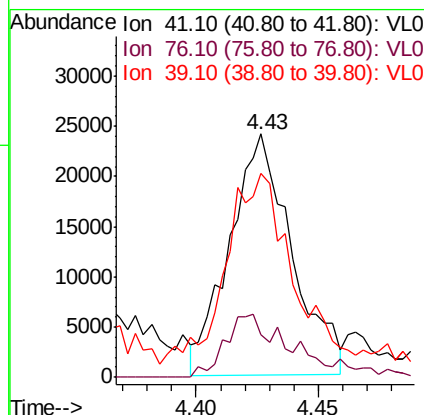
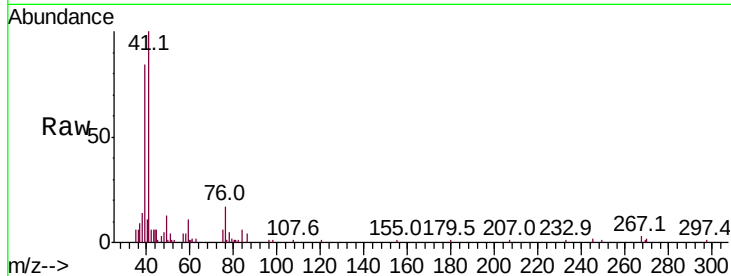
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	41	Resp:	42549
Ion Ratio	Lower	Upper	
41	100		
76	30.1	22.4	33.6
39	100.5	68.4	102.6

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#22

trans-1,2-Dichloroethene

Concen: 0.558 ppbv m

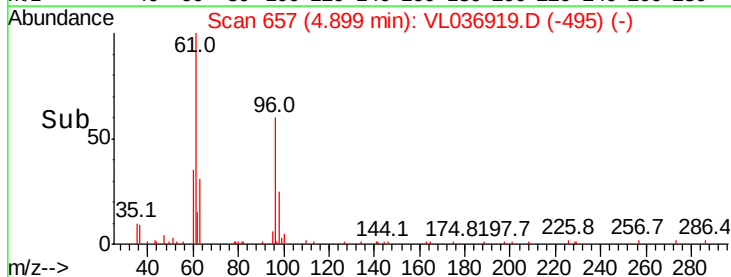
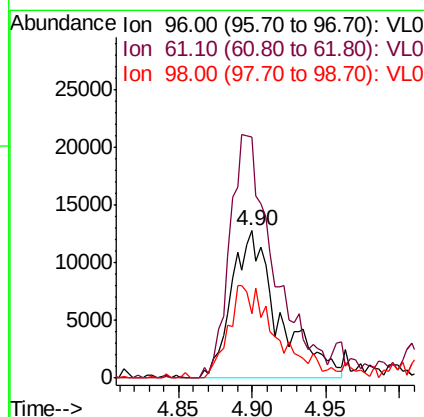
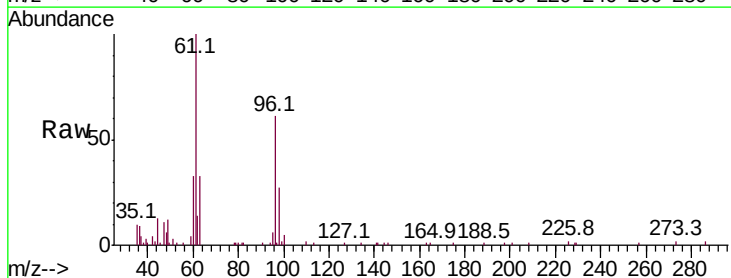
RT: 4.90 min Scan# 657

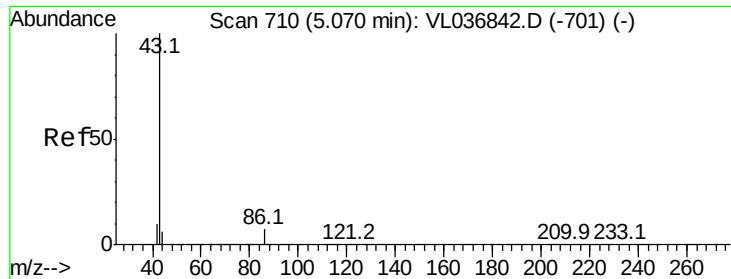
Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:	96	Resp:	28742
Ion Ratio	Lower	Upper	
96	100		
61	163.6	138.6	207.8
98	44.2	48.1	72.1#





#23

Vinyl Acetate

Concen: 0.450 ppbv m

RT: 5.11 min Scan# 721

Delta R.T. 0.04 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 72418

Ion Ratio Lower Upper

43 100

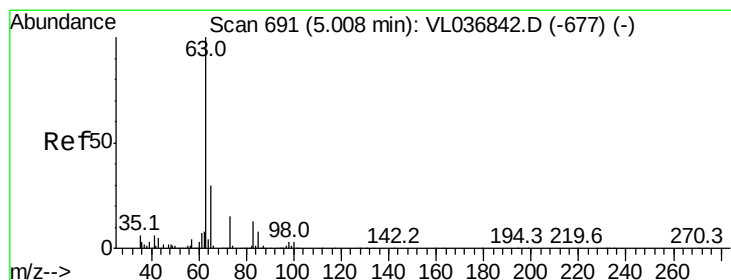
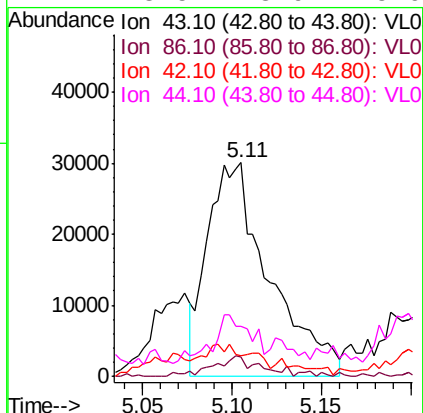
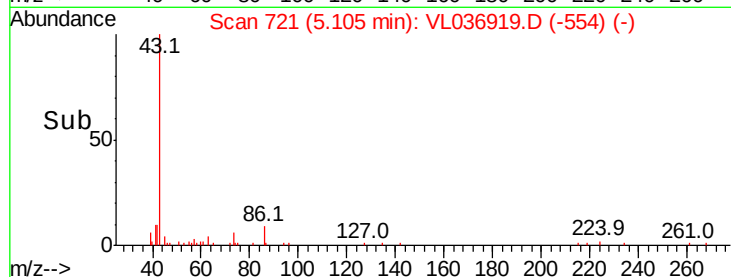
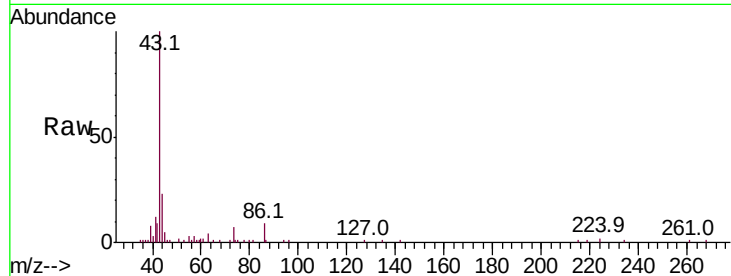
86 9.2 5.3 7.9#

42 9.3 8.7 13.1

44 23.5 3.9 5.9#

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#24

1,1-Dichloroethane

Concen: 0.657 ppbv m

RT: 5.02 min Scan# 696

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

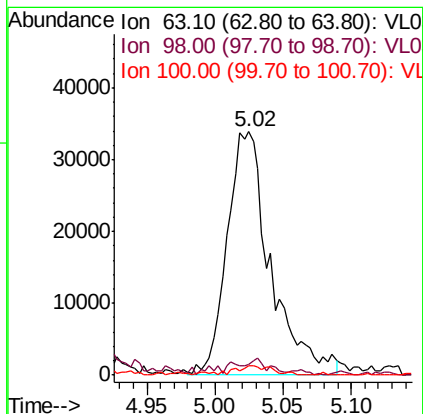
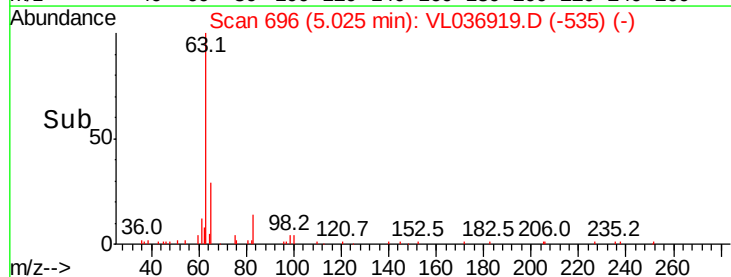
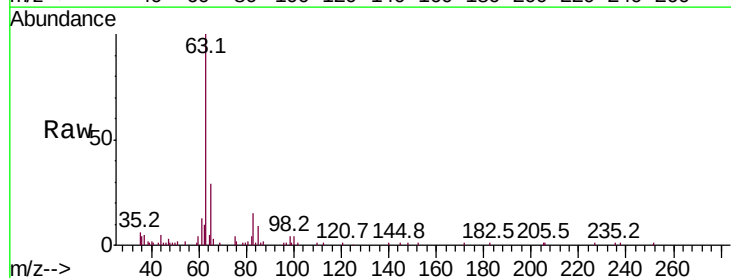
Tgt Ion: 63 Resp: 75091

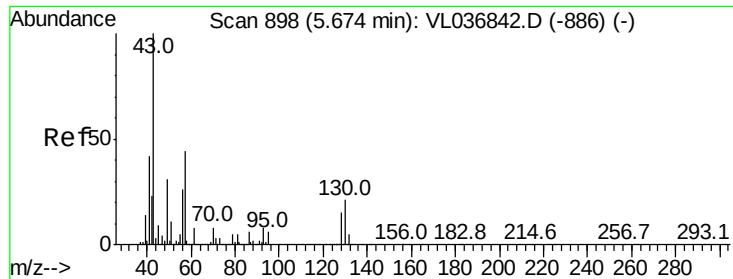
Ion Ratio Lower Upper

63 100

98 4.5 1.7 5.1

100 3.6 1.3 3.8





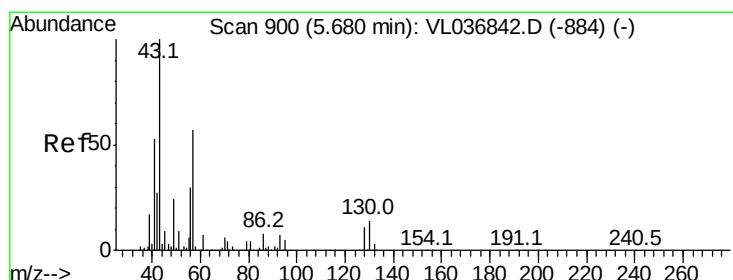
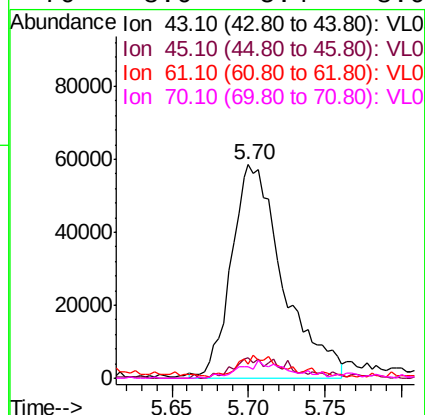
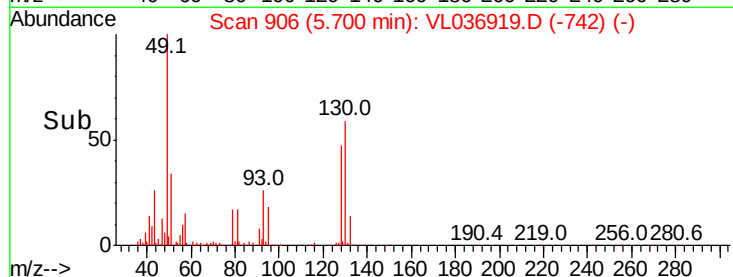
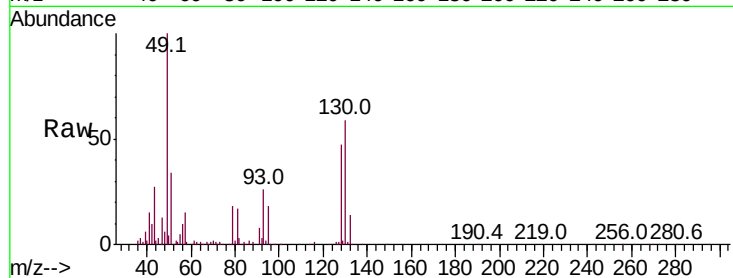
#25
Ethyl Acetate
Concen: 0.476 ppbv m
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	10.5	7.4	11.0
70	8.0	5.4	8.0

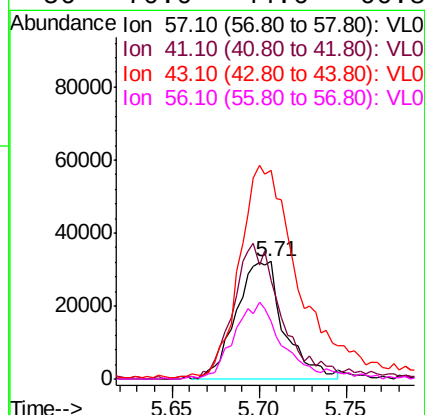
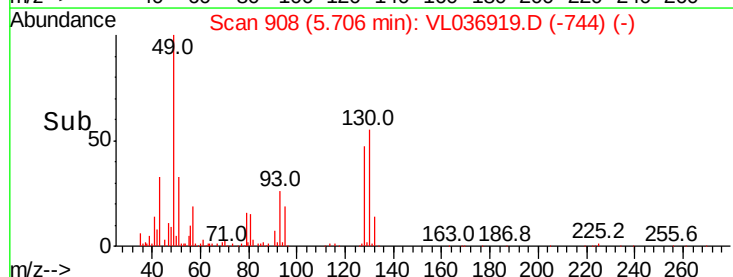
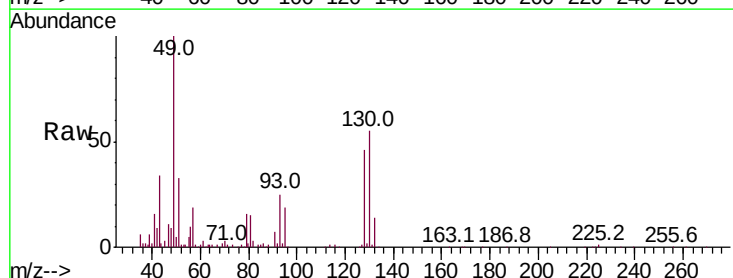
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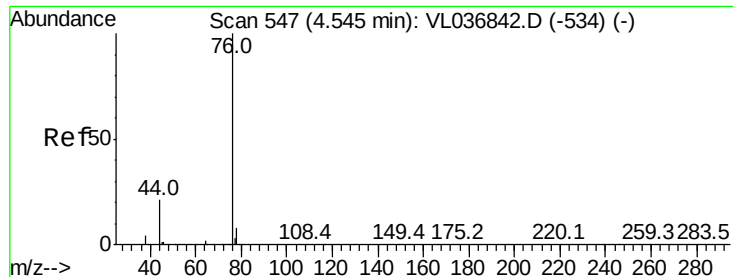
MMDadoda
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#26
Hexane
Concen: 0.454 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	119.8	77.7	116.5#
43	237.0	180.5	270.7
56	70.0	44.6	66.8#





#27

Carbon Disulfide

Concen: 0.466 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

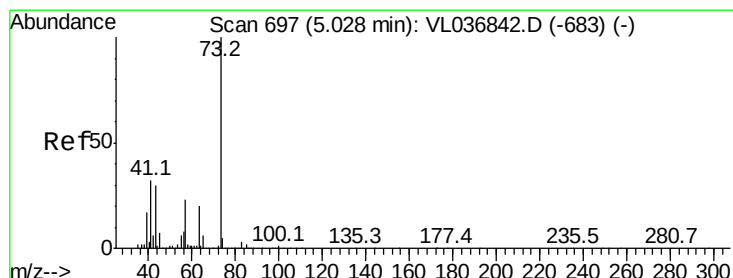
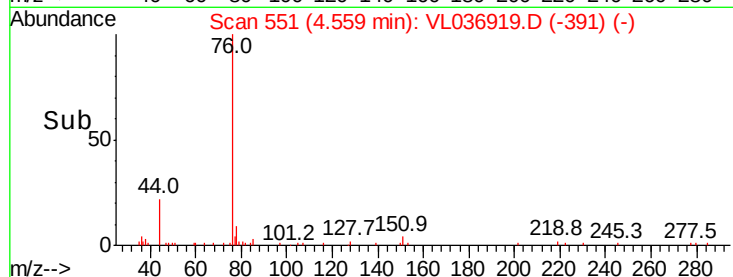
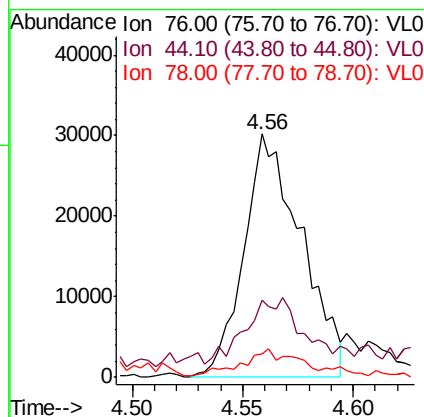
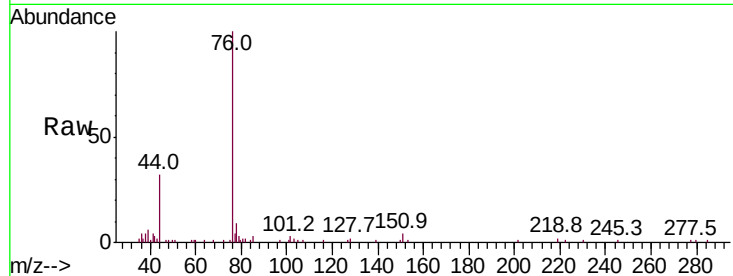
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
76	100		
44	39.6	16.9	25.3#
78	12.9	7.9	11.9#

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#28

Methyl tert-Butyl Ether

Concen: 0.518 ppbv

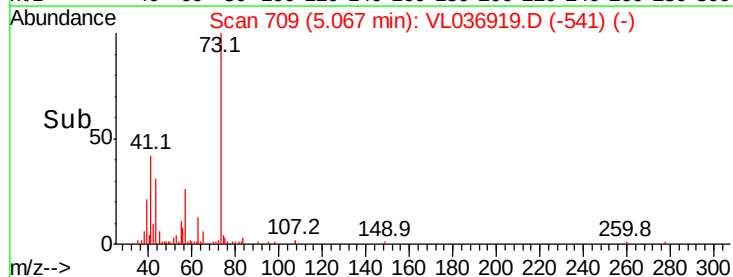
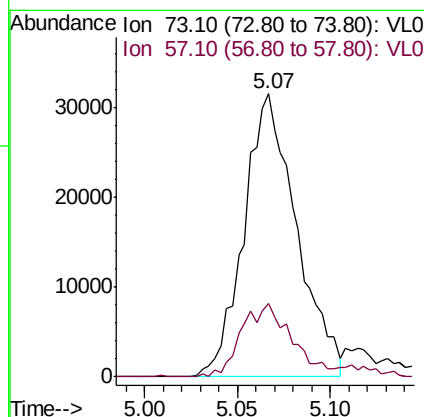
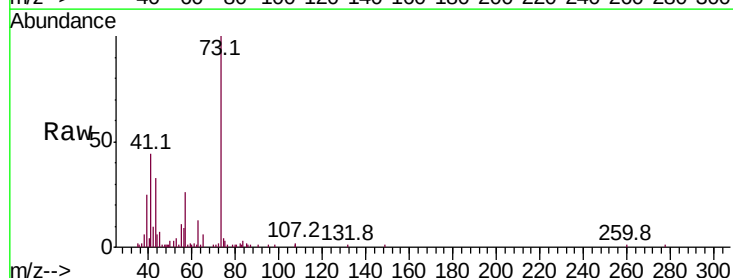
RT: 5.07 min Scan# 709

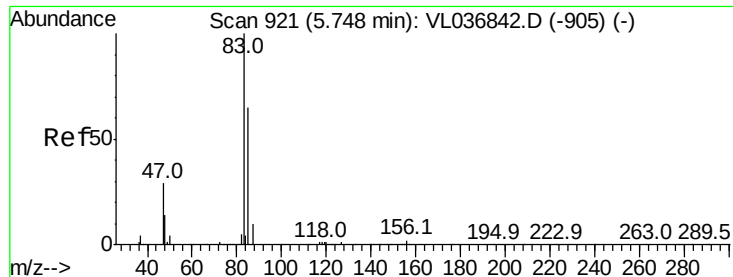
Delta R.T. 0.04 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
73	100		
57	27.7	19.0	28.6





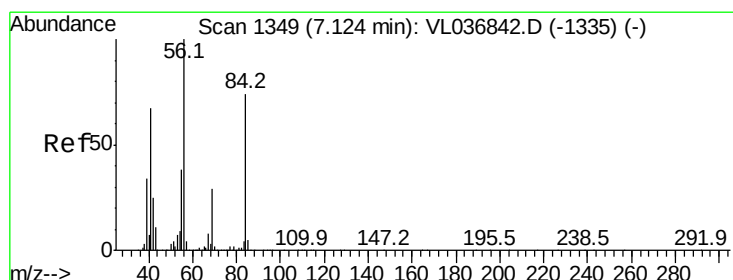
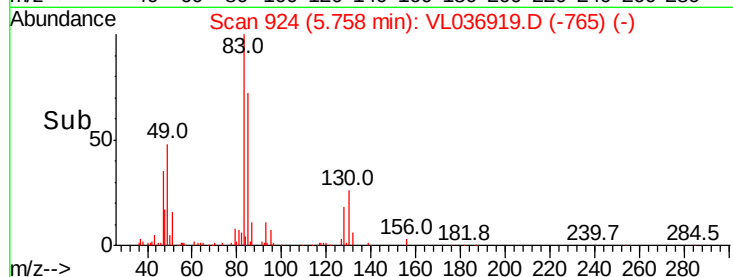
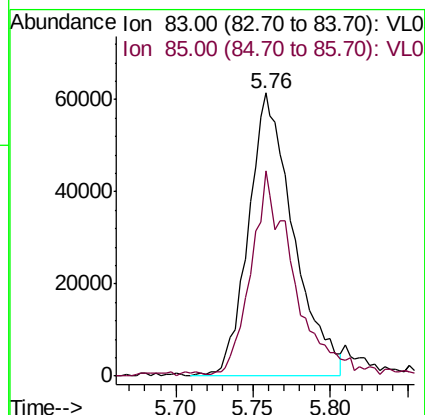
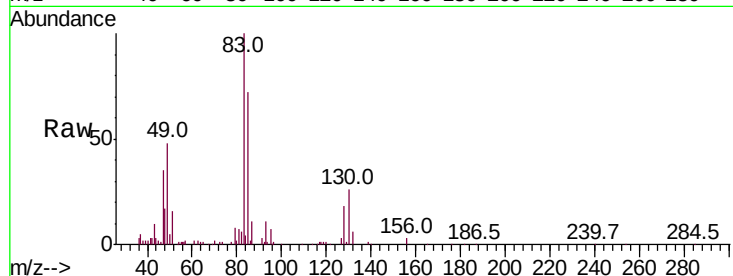
#29
Chloroform
Concen: 0.590 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 83 Resp: 124427
Ion Ratio Lower Upper
83 100
85 71.2 52.2 78.4

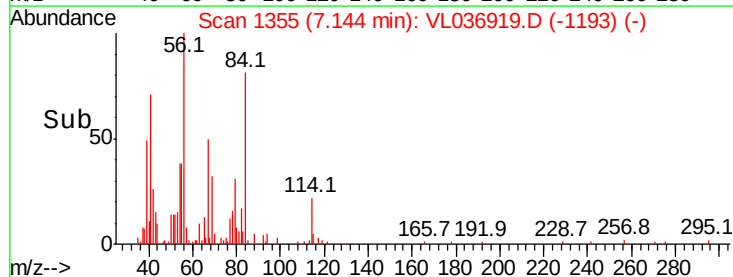
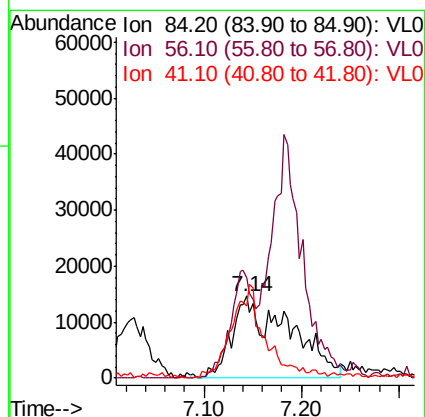
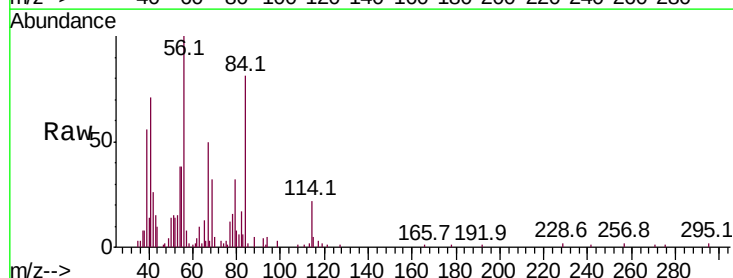
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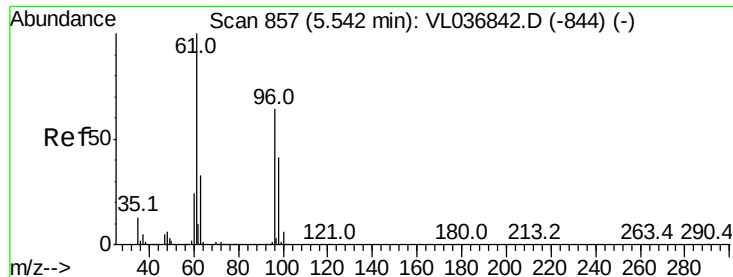
MMDadoda
5/10/2021 3:34:37 PM



#30
Cyclohexane
Concen: 0.560 ppbv m
RT: 7.14 min Scan# 1355
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 84 Resp: 60106
Ion Ratio Lower Upper
84 100
56 0.0 115.8 173.6#
41 67.0 74.6 111.8#





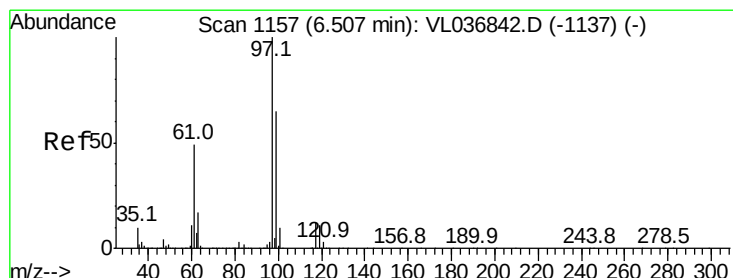
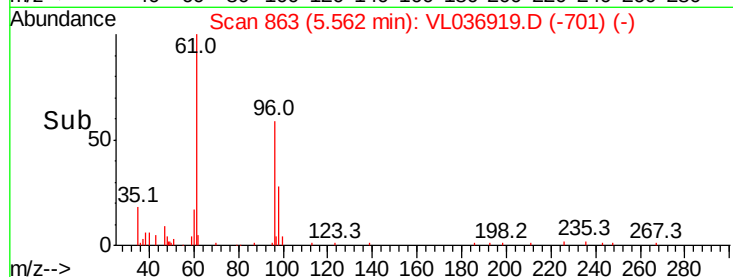
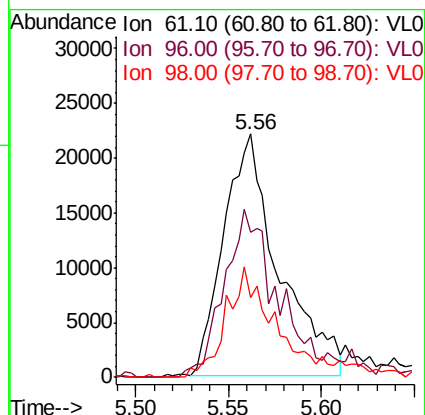
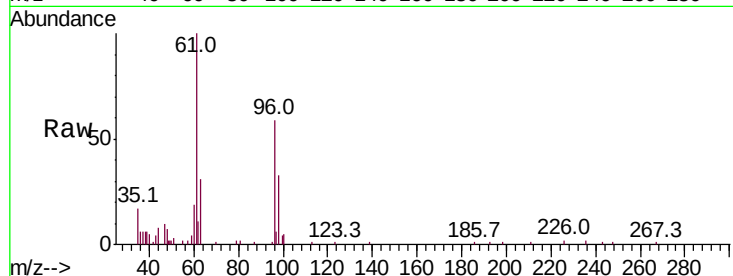
#31
 cis-1,2-Dichloroethene
 Concen: 0.375 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.5	51.0	76.6
98	29.5	32.7	49.1#

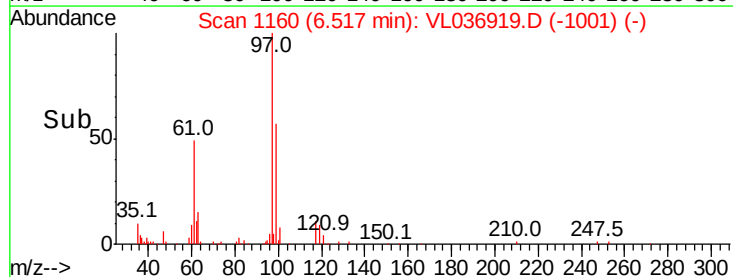
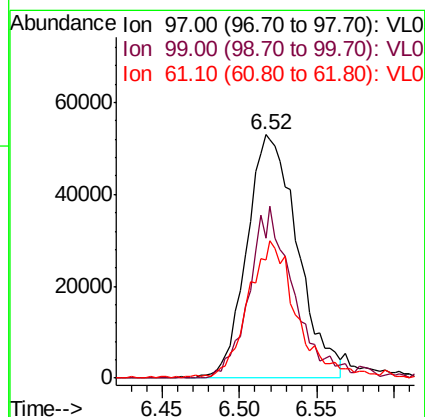
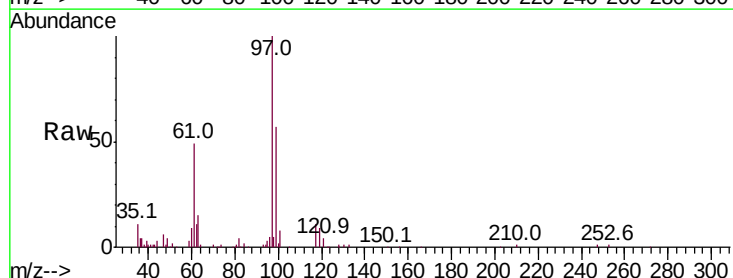
Manual Integrations
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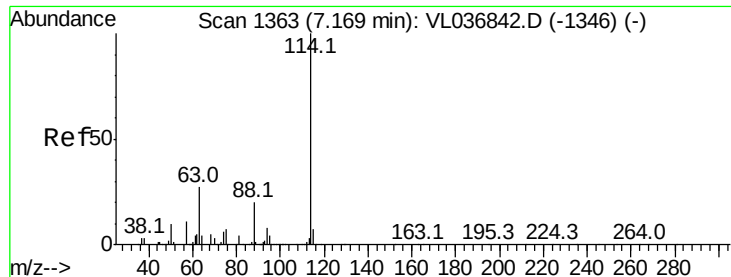
MMDadoda
 5/10/2021 3:34:37 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.565 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.6
61	55.0	40.8	61.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:114 Resp: 2973605

Ion Ratio Lower Upper

114 100

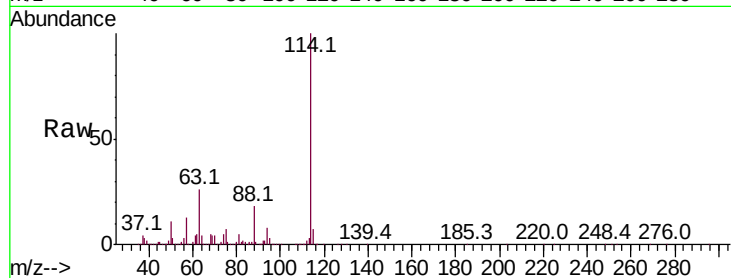
63 27.6 21.9 32.9

88 18.9 15.1 22.7

Manual Integrations
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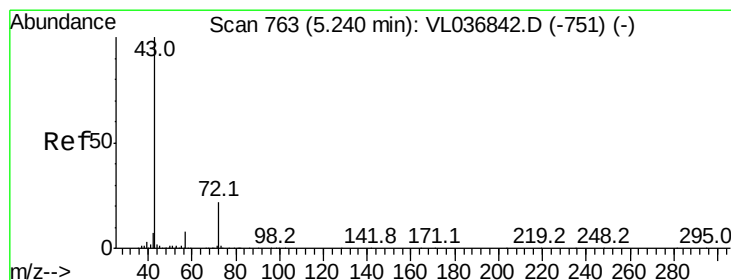
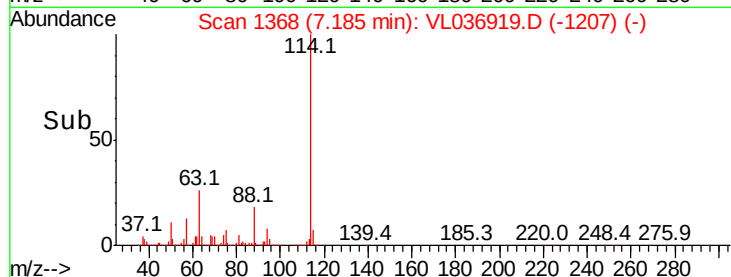
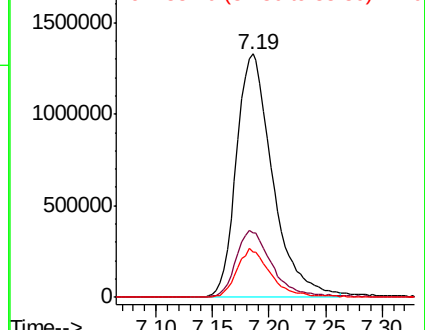
5/10/2021 3:34:37 PM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.350 ppbv

RT: 5.28 min Scan# 776

Delta R.T. 0.04 min

Lab File: VL036919.D

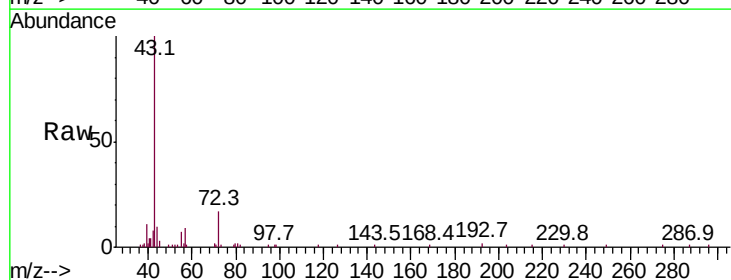
Acq: 7 May 2021 14:53

Tgt Ion: 43 Resp: 45646

Ion Ratio Lower Upper

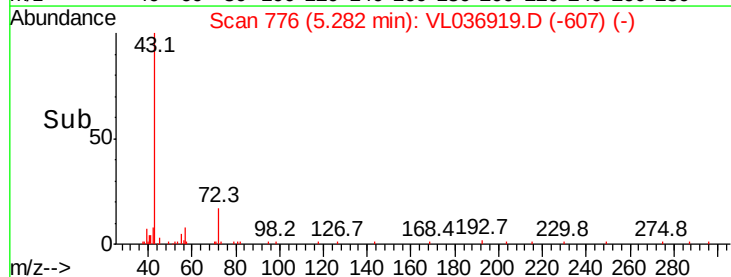
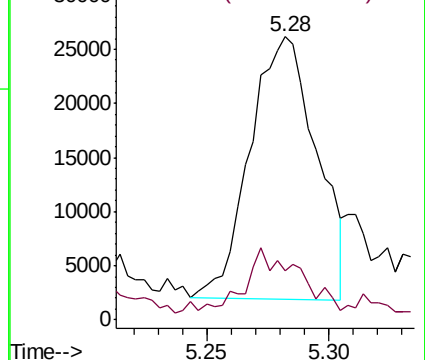
43 100

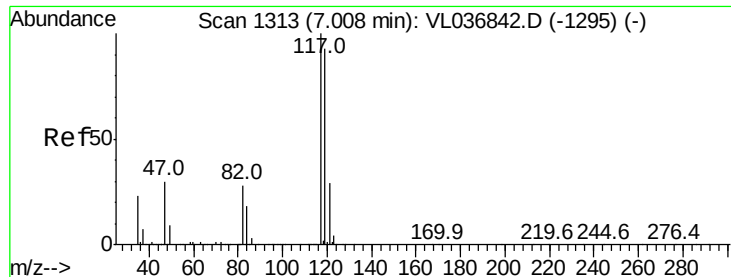
72 32.7 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.621 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

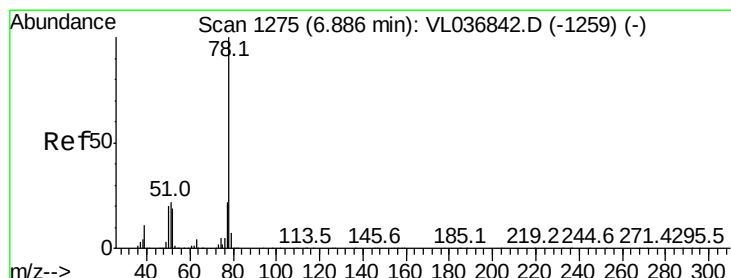
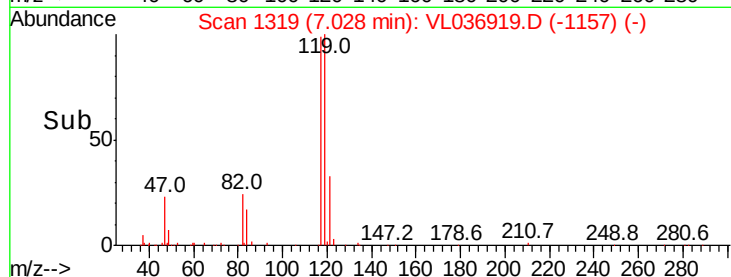
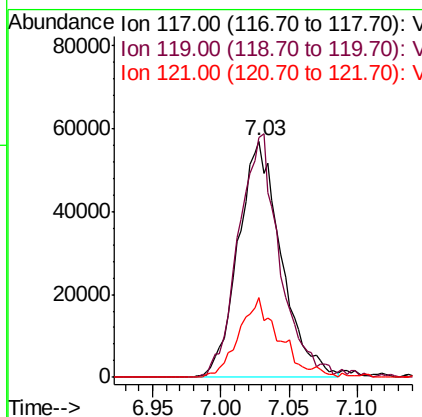
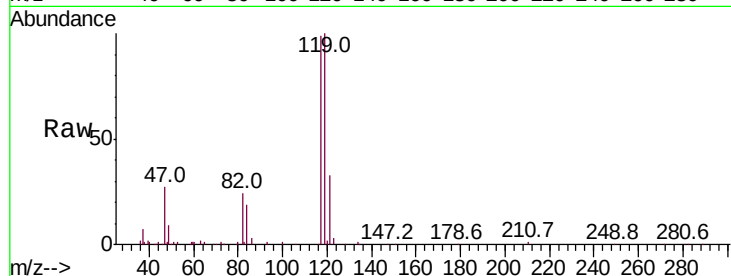
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	117	Resp:	125301
Ion Ratio	Lower	Upper	
117	100		
119	101.5	74.6	111.8
121	33.6	23.3	34.9

Manual Integrations
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#36

Benzene

Concen: 0.415 ppbv m

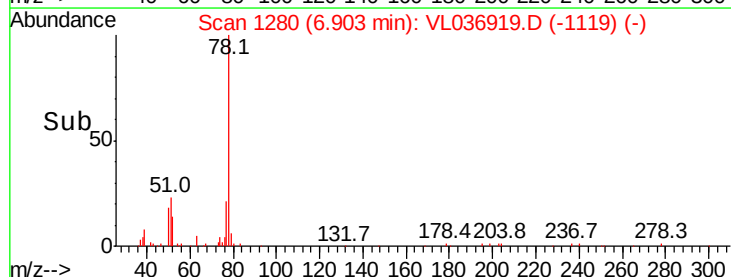
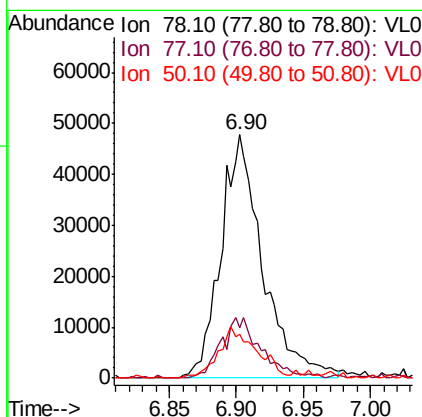
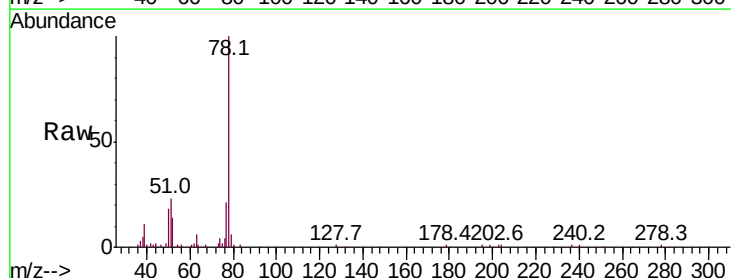
RT: 6.90 min Scan# 1280

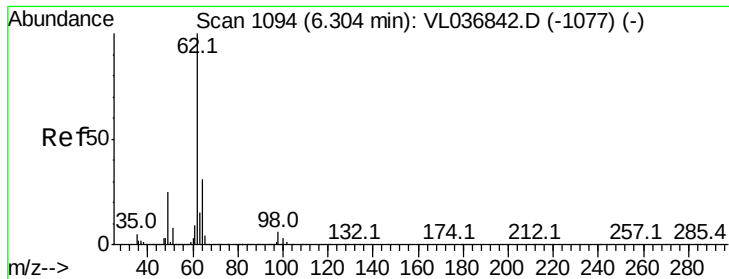
Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:	78	Resp:	103862
Ion Ratio	Lower	Upper	
78	100		
77	20.5	17.6	26.4
50	18.1	16.3	24.5





#37

1,2-Dichloroethane

Concen: 0.502 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

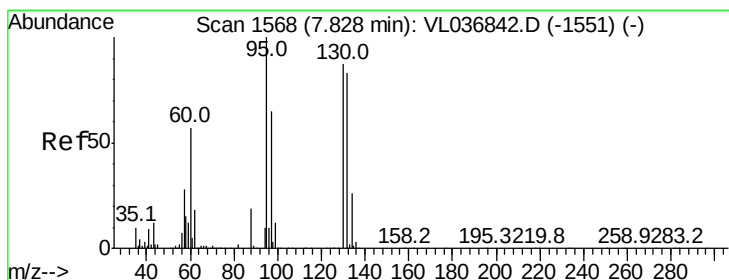
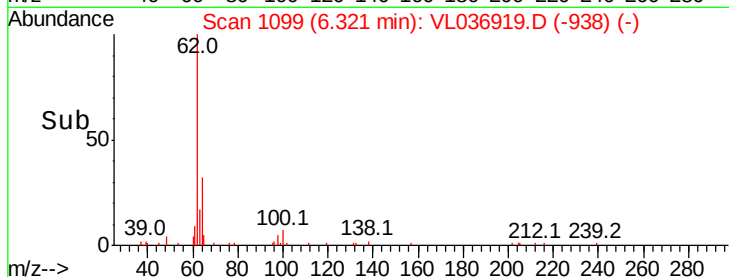
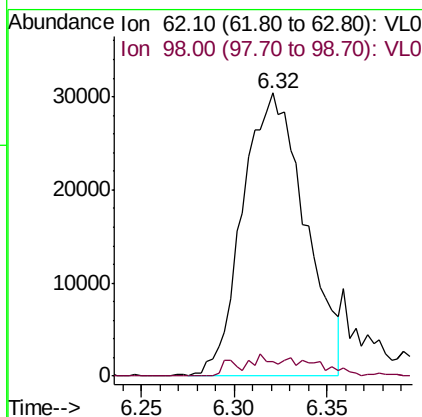
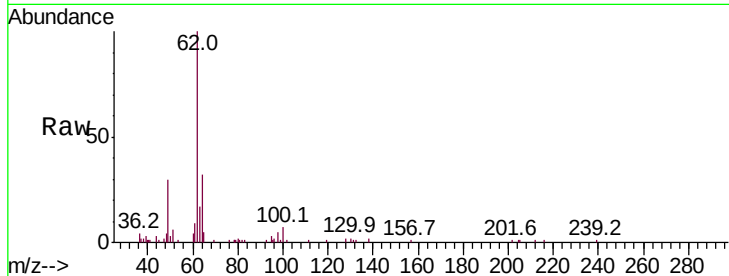
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	71194		
98	8.4	4.8	7.2#	

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#38

Trichloroethene

Concen: 0.501 ppbv m

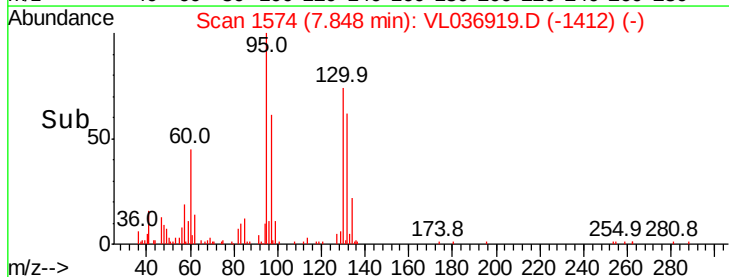
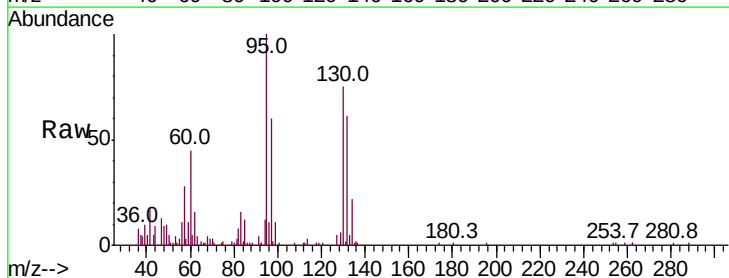
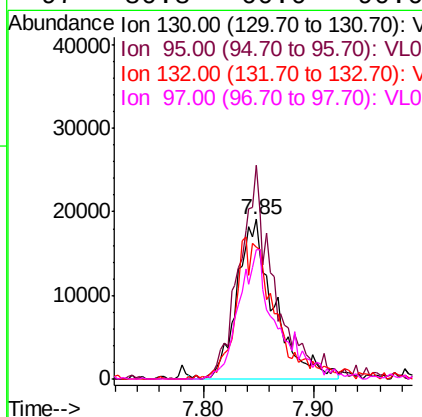
RT: 7.85 min Scan# 1574

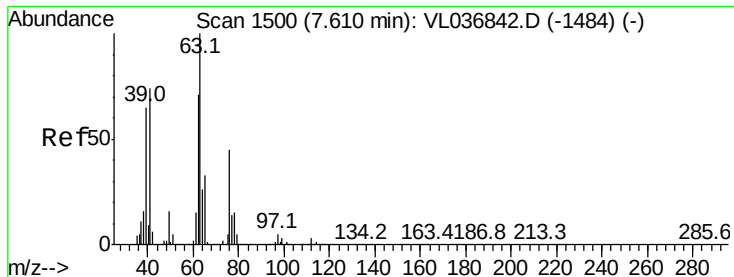
Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	44707		
95	133.9	92.3	138.5	
132	82.2	76.8	115.2	
97	80.8	60.0	90.0	





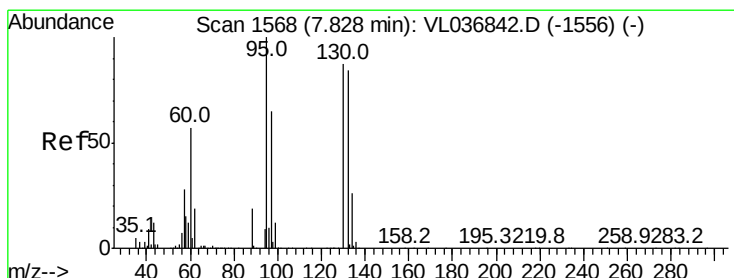
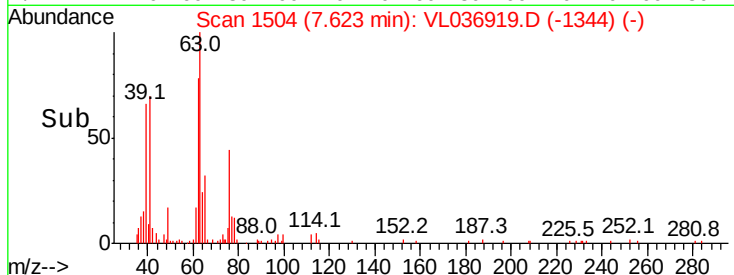
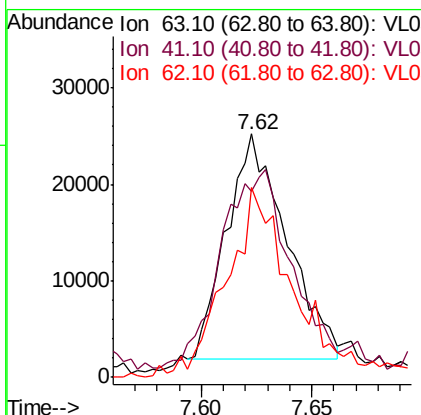
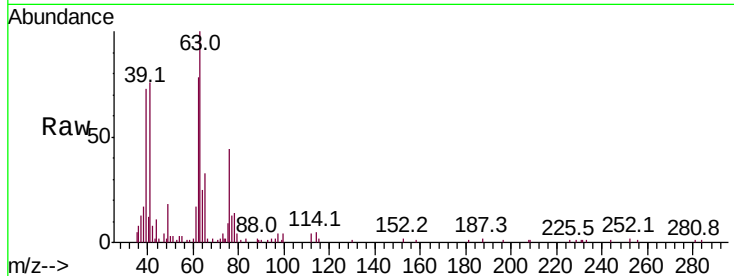
#39
 1,2-Dichloropropane
 Concen: 0.441 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.1	59.1	88.7
62	80.2	56.9	85.3

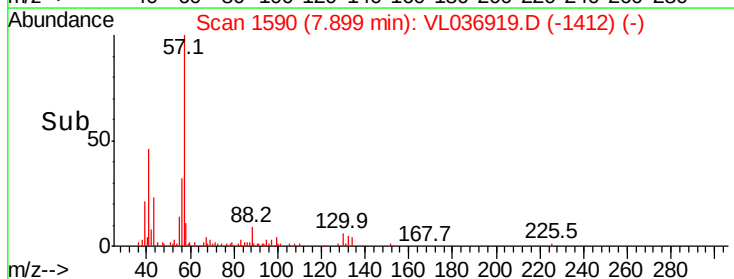
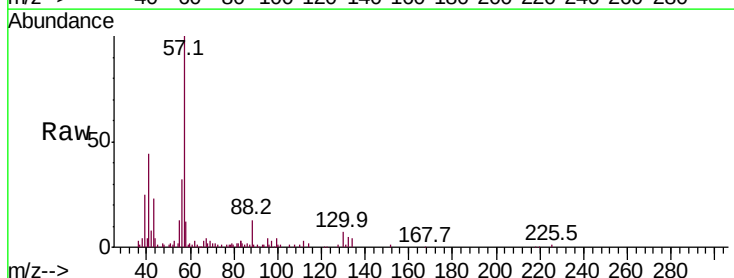
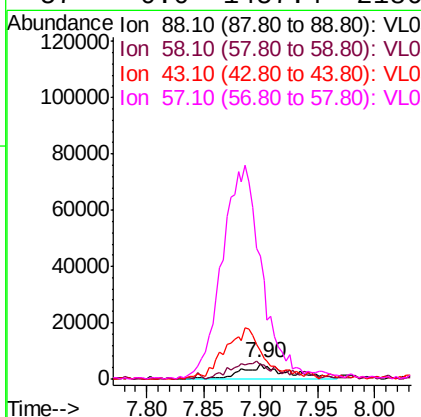
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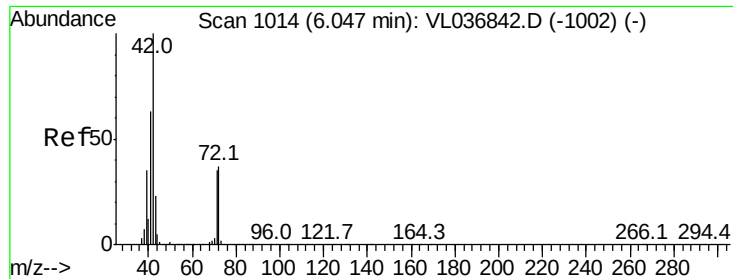
MMDadoda
 5/10/2021 3:34:37 PM



#40
 1,4-Dioxane
 Concen: 0.590 ppbv m
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.07 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	132.6	198.8#
43	0.0	331.5	497.3#
57	0.0	1457.4	2186.0#





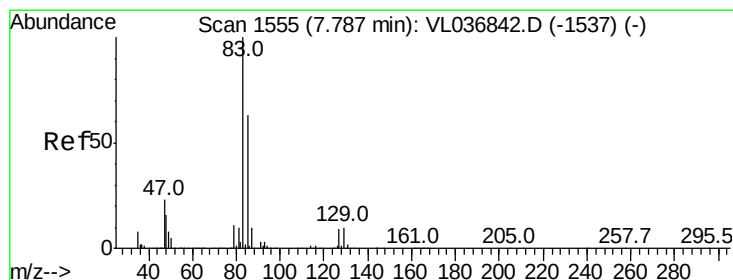
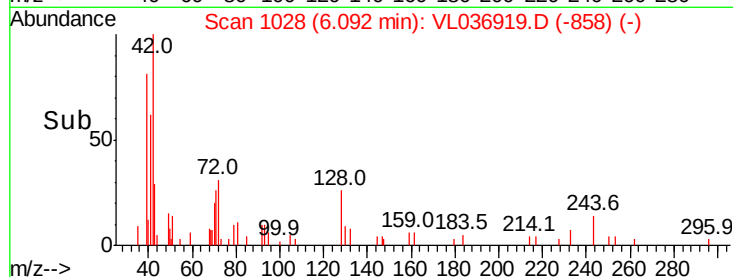
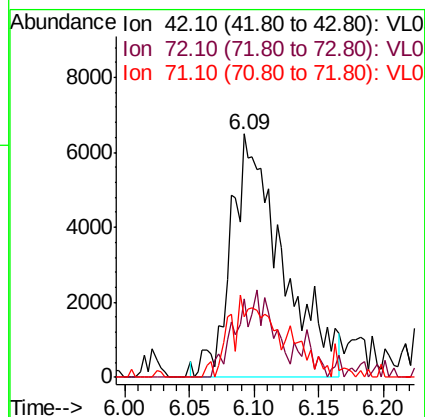
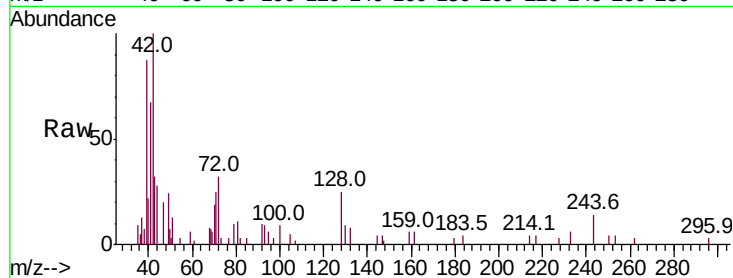
#41
Tetrahydrofuran
Concen: 0.318 ppbv m
RT: 6.09 min Scan# 1028
Delta R.T. 0.05 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.7	44.5#
71	0.0	29.0	43.6#

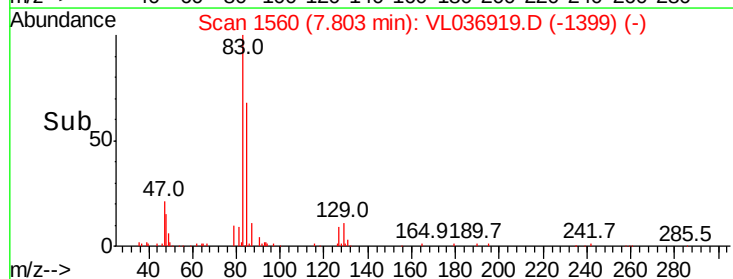
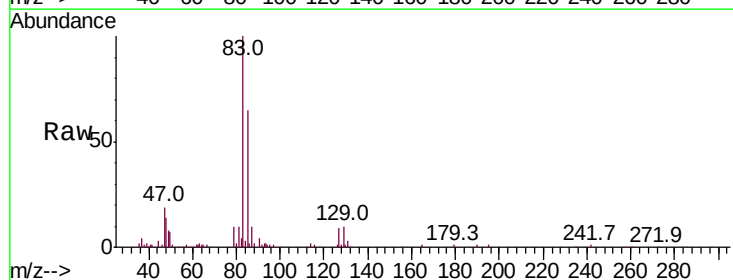
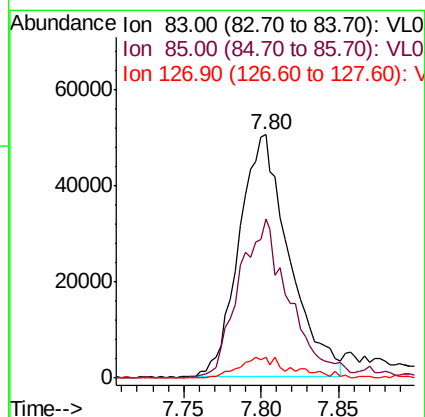
Manual Integrations
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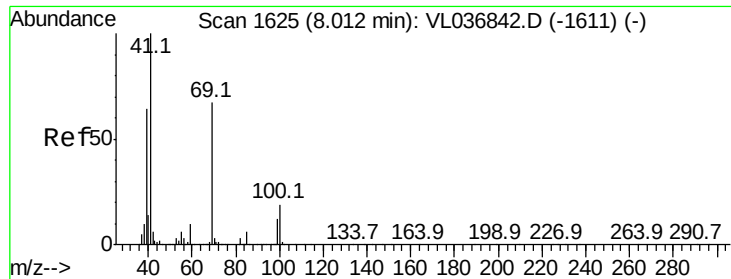
MMDadoda
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#42
Bromodichloromethane
Concen: 0.573 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6
127	8.5	6.9	10.3





#43

Methyl Methacrylate

Concen: 0.313 ppbv

RT: 8.04 min Scan# 1633

Delta R.T. 0.03 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

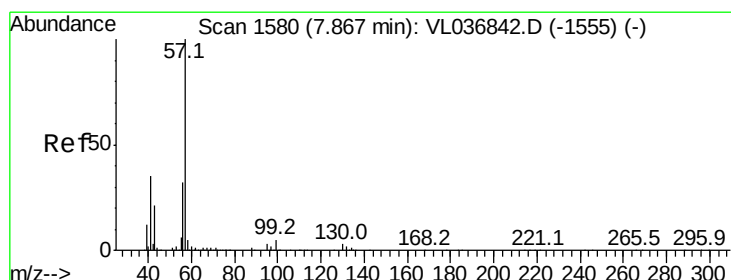
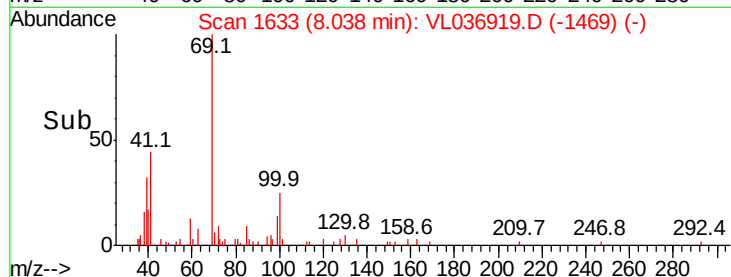
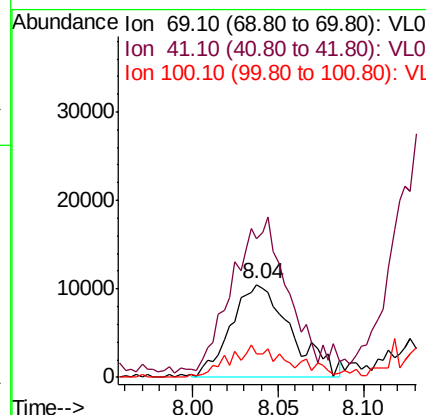
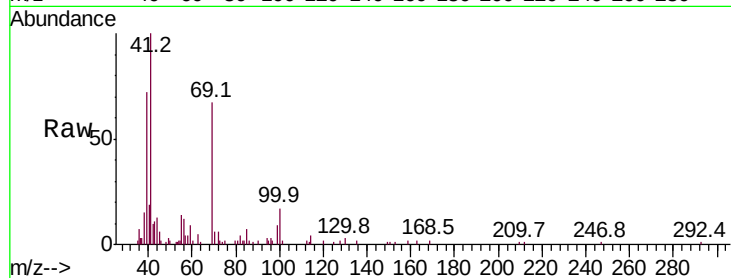
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
69	100		
41	159.7	124.2	186.4
100	36.4	25.5	38.3

Manual Integrations
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5/10/2021 3:34:37 PM



#44

2,2,4-Trimethylpentane

Concen: 0.408 ppbv

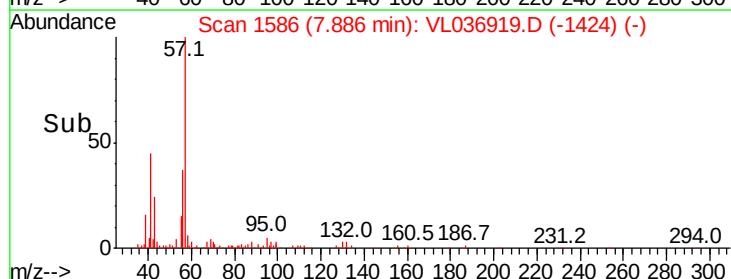
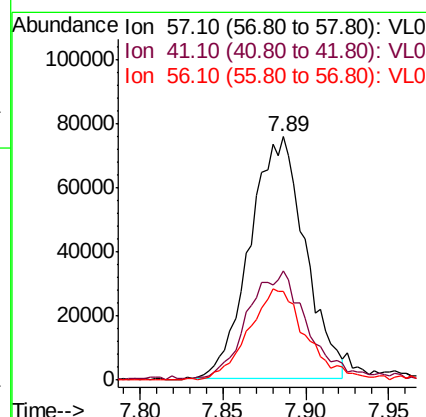
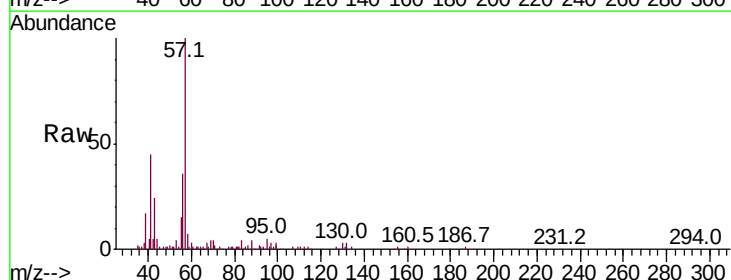
RT: 7.89 min Scan# 1586

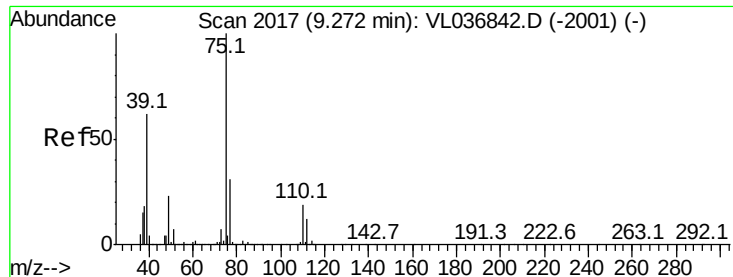
Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	51.8	28.2	42.4#
56	40.7	25.9	38.9#





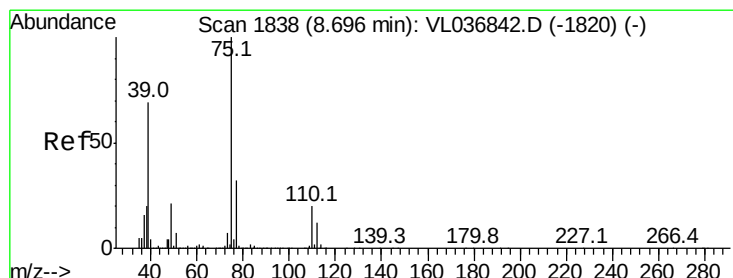
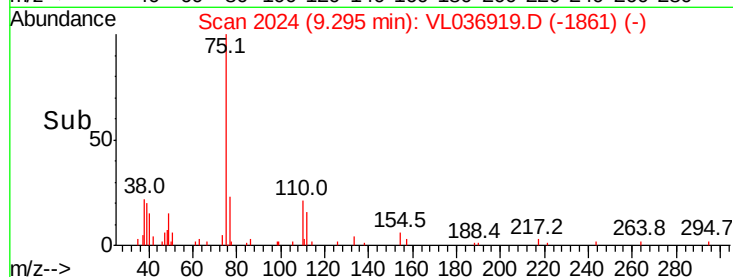
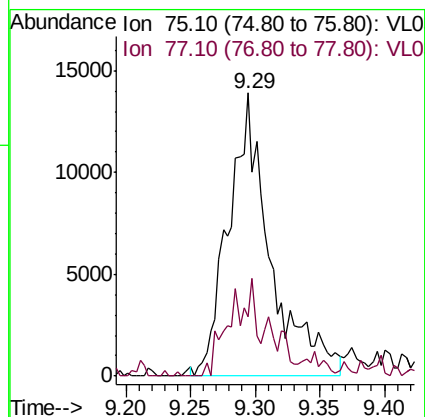
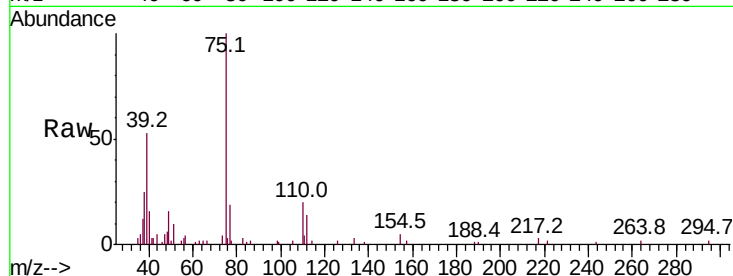
#45
 t-1,3-Dichloropropene
 Concen: 0.354 ppbv m
 RT: 9.29 min Scan# 2024
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion: 75 Resp: 31241
 Ion Ratio Lower Upper
 75 100
 77 19.2 24.6 37.0#

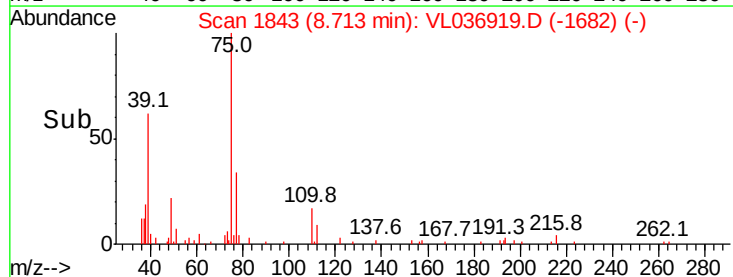
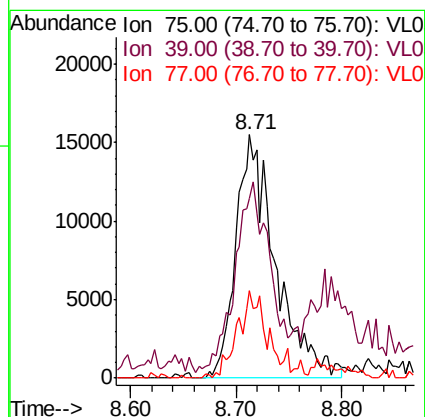
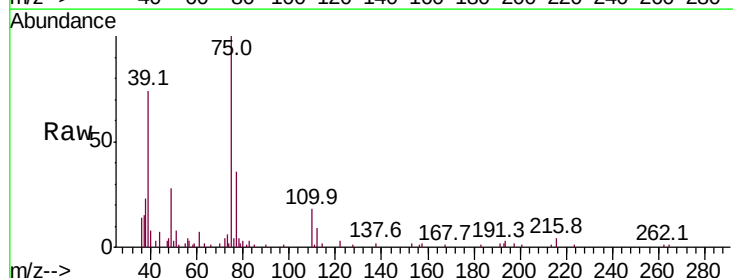
Manual Integrations
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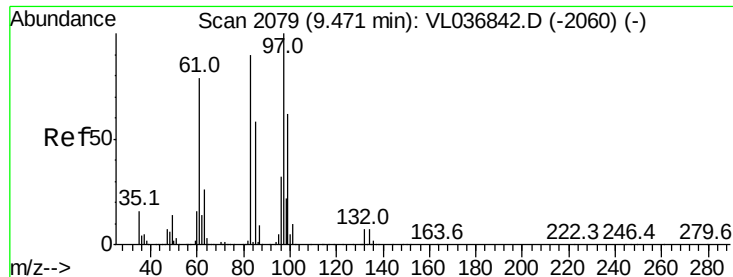
MMDadoda
 5/10/2021 3:34:37 PM



#46
 cis-1,3-Dichloropropene
 Concen: 0.357 ppbv m
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 75 Resp: 40361
 Ion Ratio Lower Upper
 75 100
 39 73.8 55.4 83.0
 77 35.9 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.545 ppbv m

RT: 9.48 min Scan# 2083

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

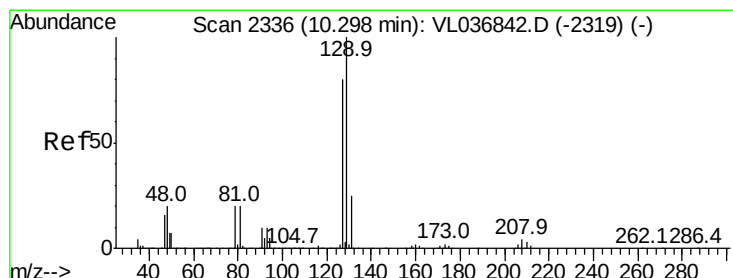
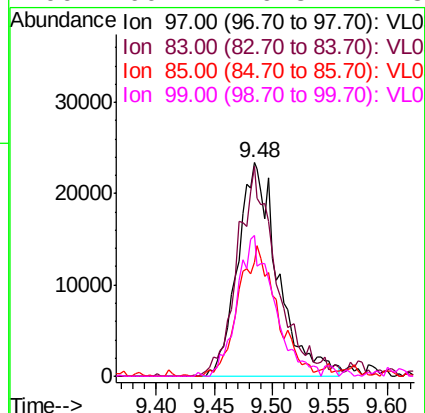
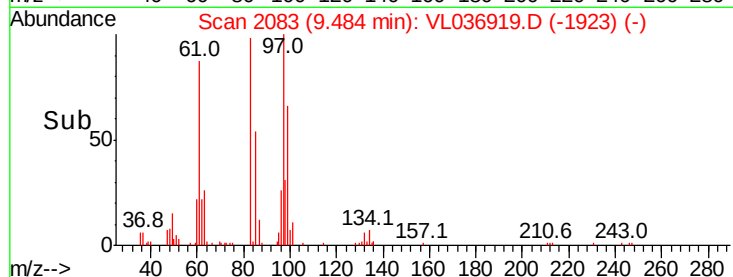
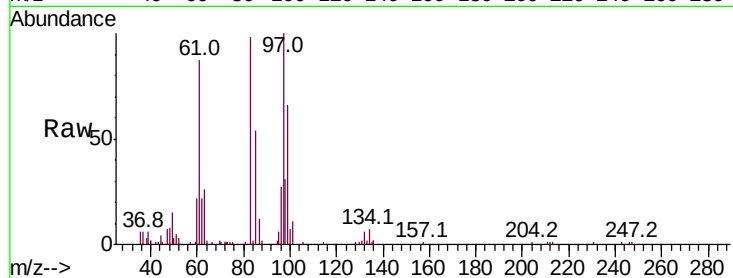
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		56668		
83	98.2	71.9	107.9		
85	53.5	46.5	69.7		
99	66.1	49.8	74.8		

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#48

Dibromochloromethane

Concen: 0.533 ppbv m

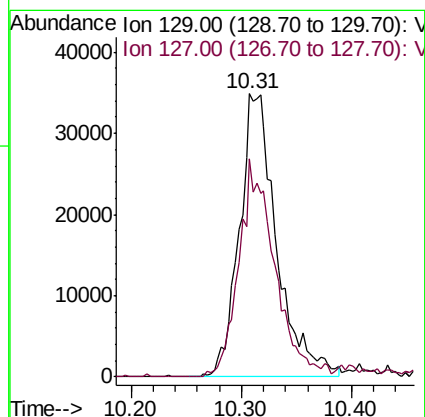
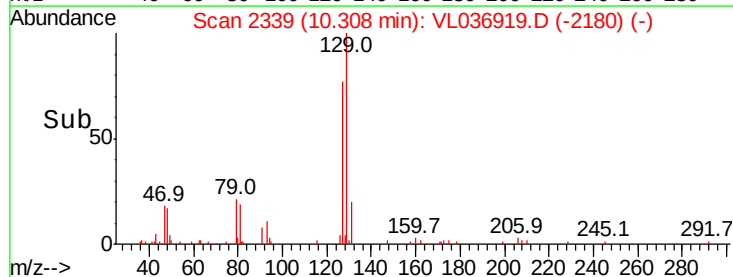
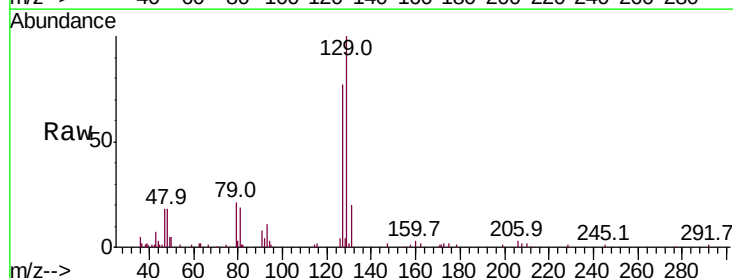
RT: 10.31 min Scan# 2339

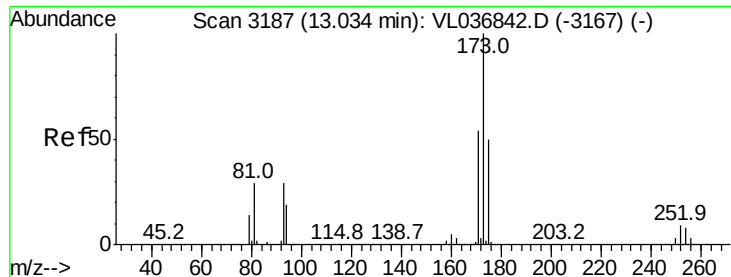
Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		82133		
127	0.0	40.2	120.5		





#49

Bromoform

Concen: 0.521 ppbv m

RT: 13.05 min Scan# 3191

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

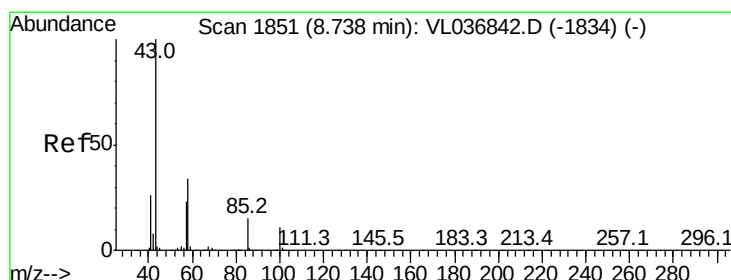
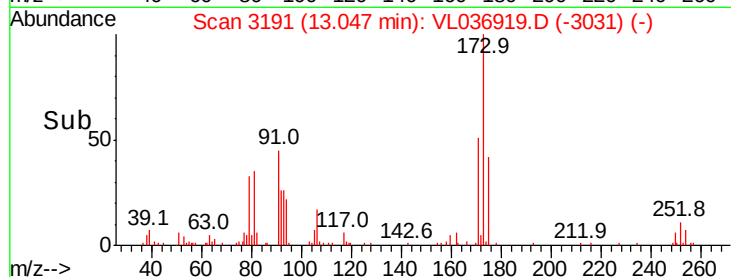
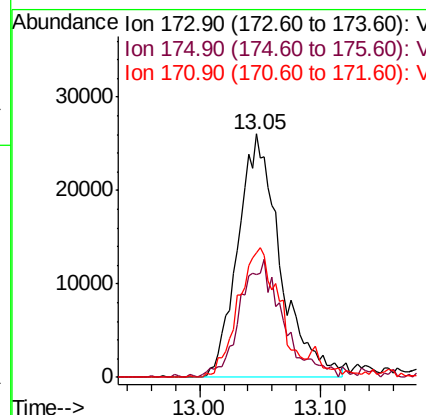
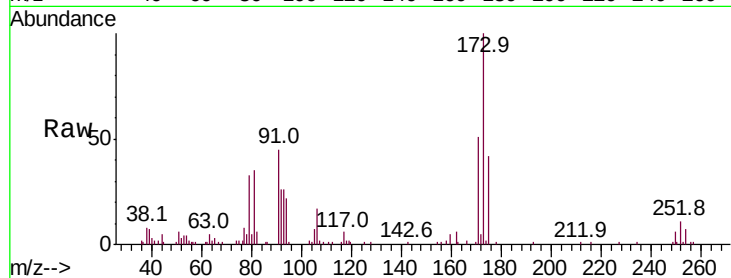
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:173	Resp:	64041
Ion Ratio	Lower	Upper
173 100		
175 49.8	39.6	59.4
171 56.8	42.2	63.4

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#50

4-Methyl-2-Pentanone

Concen: 0.358 ppbv m

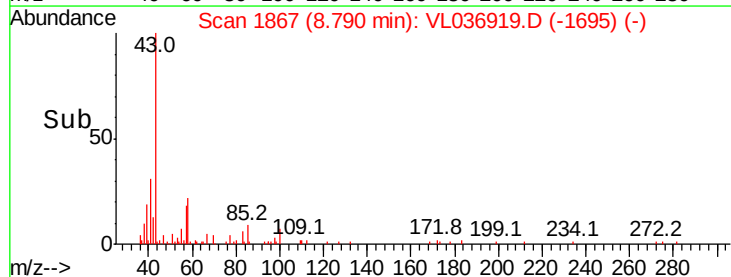
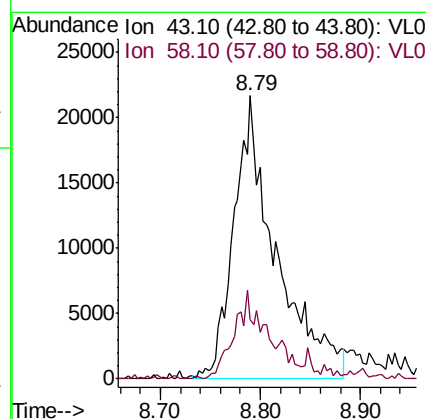
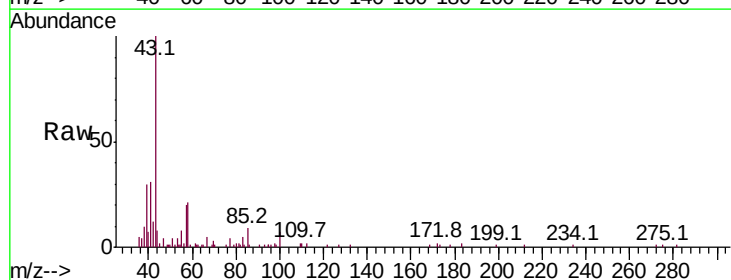
RT: 8.79 min Scan# 1867

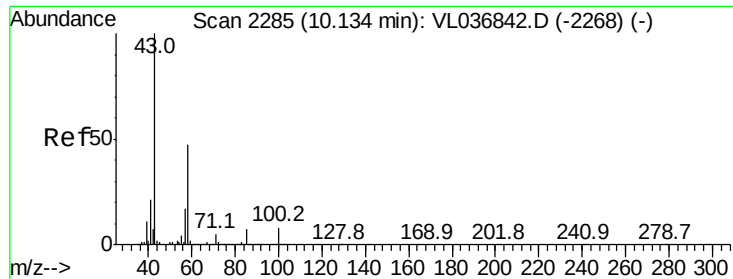
Delta R.T. 0.05 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion: 43	Resp:	63702
Ion Ratio	Lower	Upper
43 100		
58 0.0	27.8	41.8#





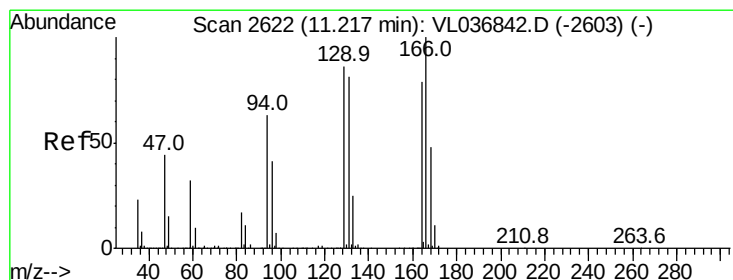
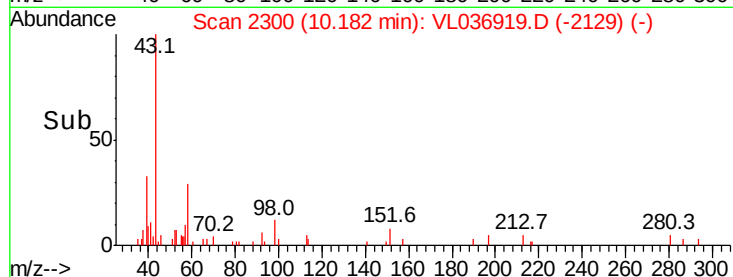
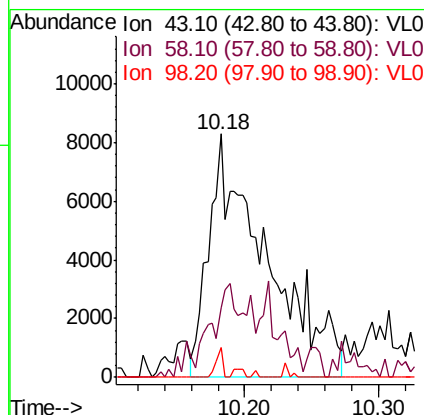
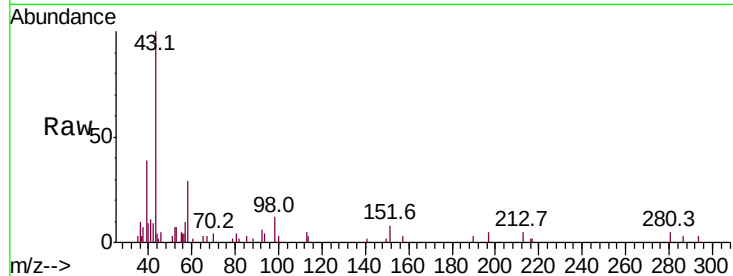
#51
2-Hexanone
Concen: 0.278 ppbv m
RT: 10.18 min Scan# 2300
Delta R.T. 0.05 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.0	55.6#
98	0.0	0.2	0.4#

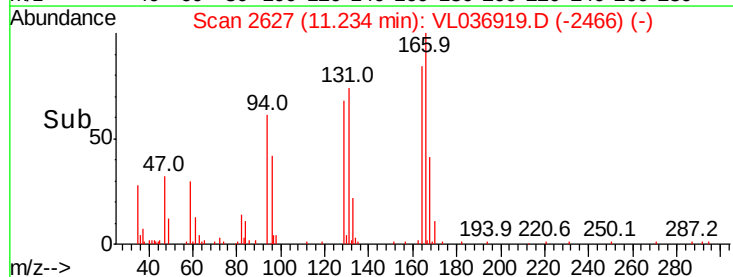
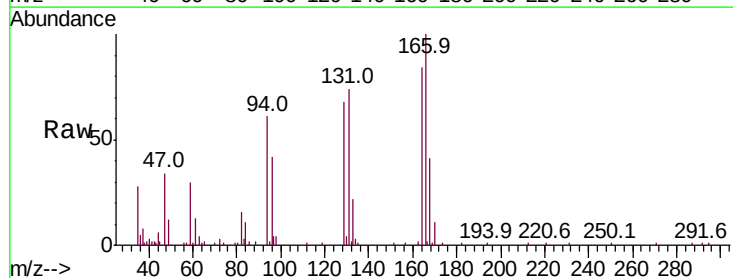
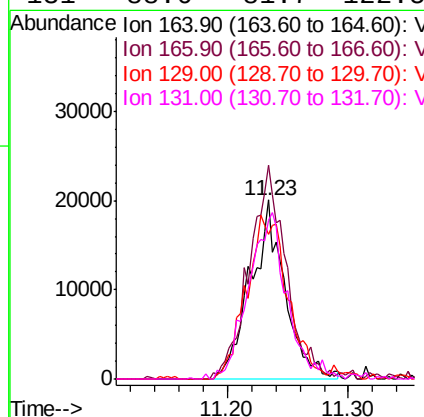
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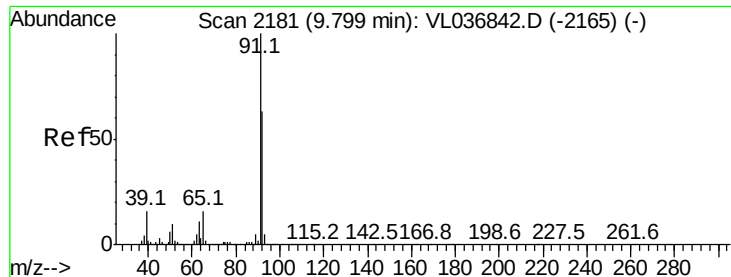
MMDadoda
5/10/2021 3:34:37 PM



#52
Tetrachloroethene
Concen: 0.461 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.3	100.9	151.3
129	80.9	87.0	130.4#
131	88.6	81.7	122.5





#53

Toluene

Concen: 0.315 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 82710

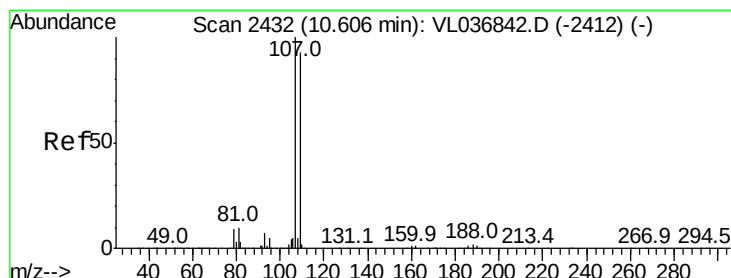
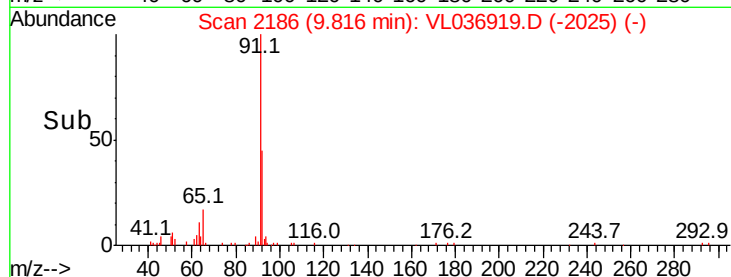
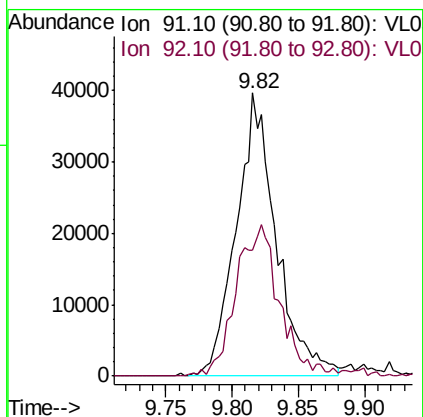
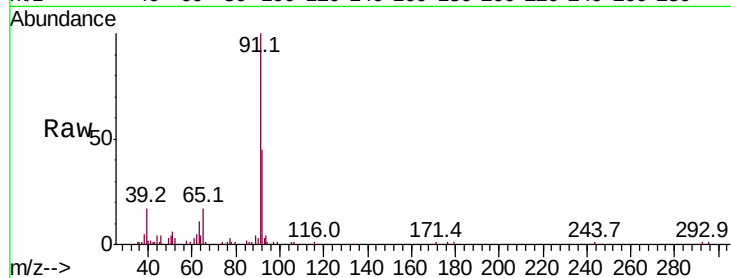
Ion Ratio Lower Upper

91 100

92 58.3 49.0 73.4

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5/10/2021 3:34:37 PM



#54

1,2-Dibromoethane

Concen: 0.467 ppbv m

RT: 10.62 min Scan# 2437

Delta R.T. 0.02 min

Lab File: VL036919.D

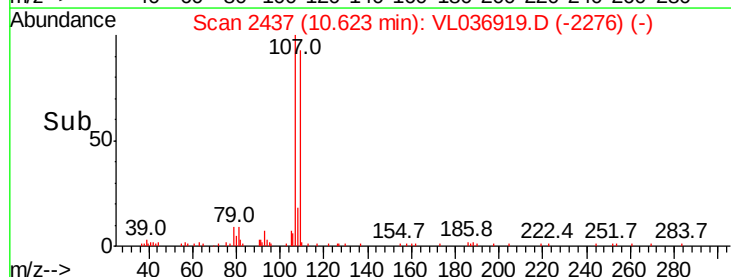
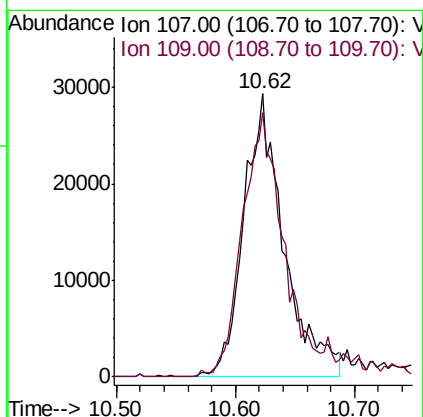
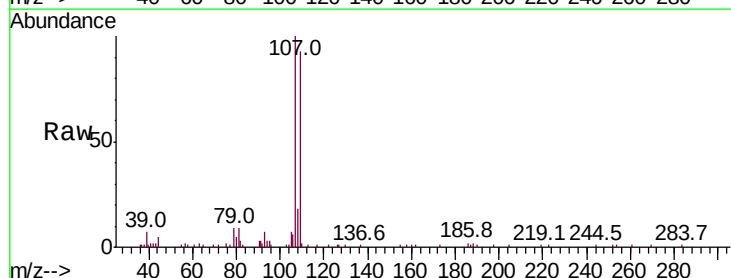
Acq: 7 May 2021 14:53

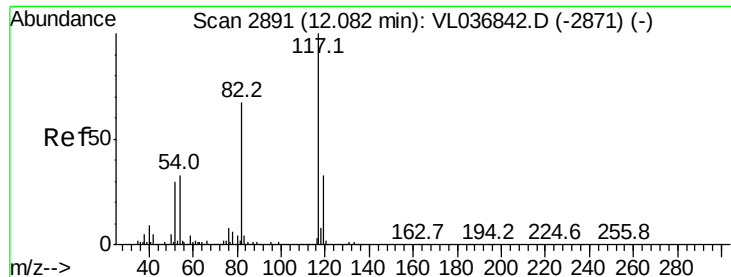
Tgt Ion: 107 Resp: 68534

Ion Ratio Lower Upper

107 100

109 93.5 74.7 112.1





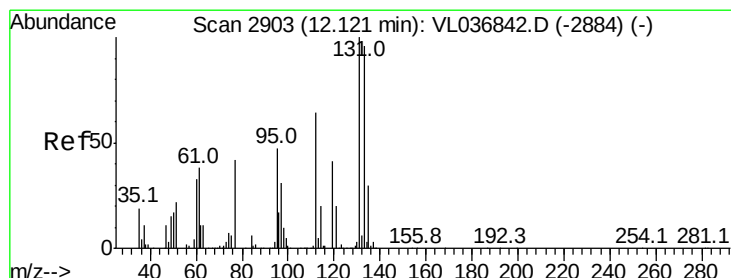
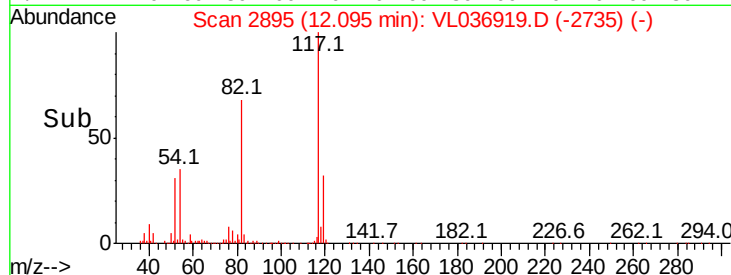
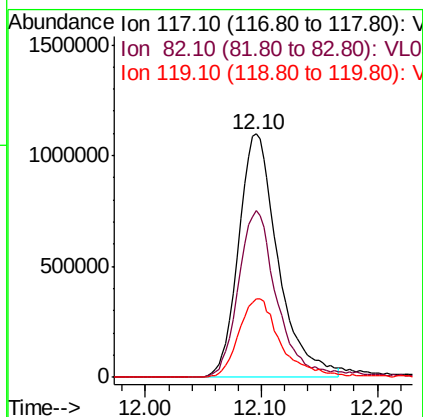
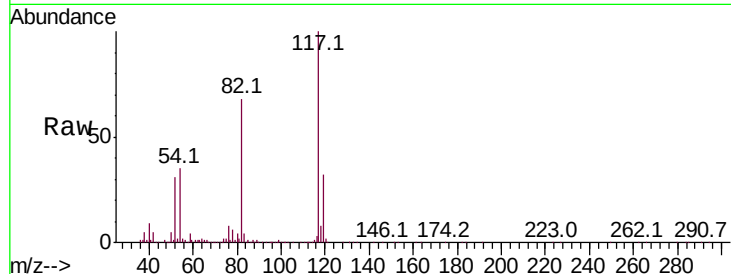
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	53.5	80.3
119	35.3	25.6	38.4

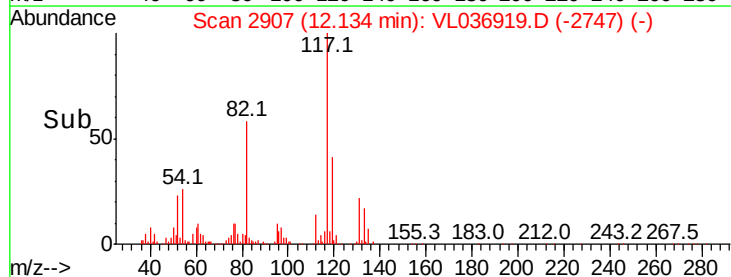
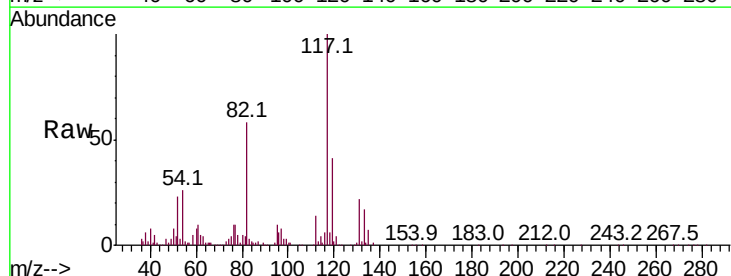
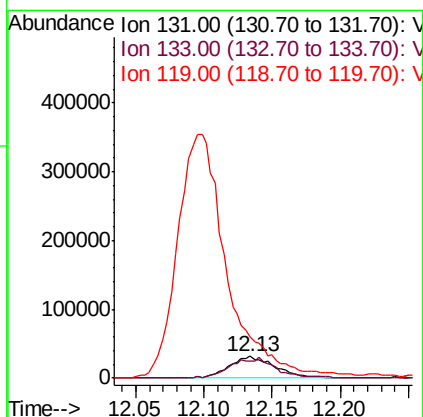
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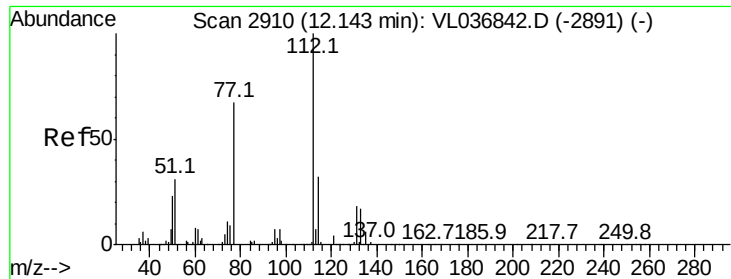
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.670 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.3	114.5
119	1258.4	114.9	172.3#





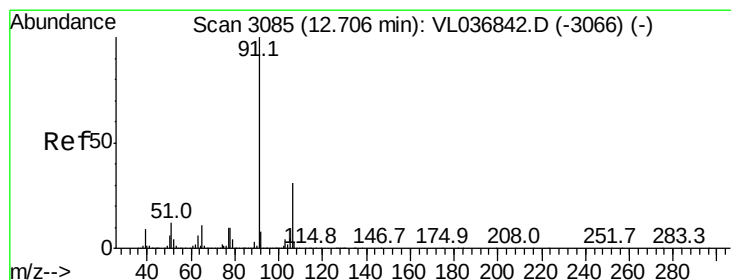
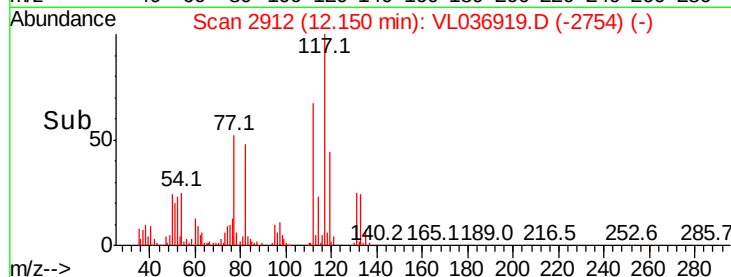
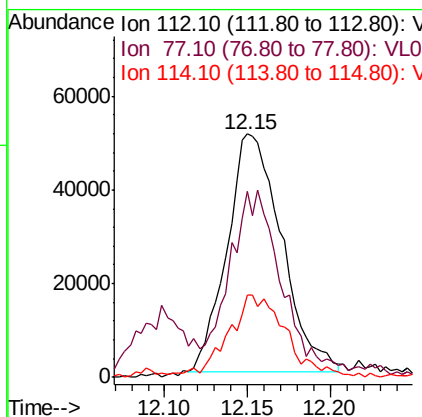
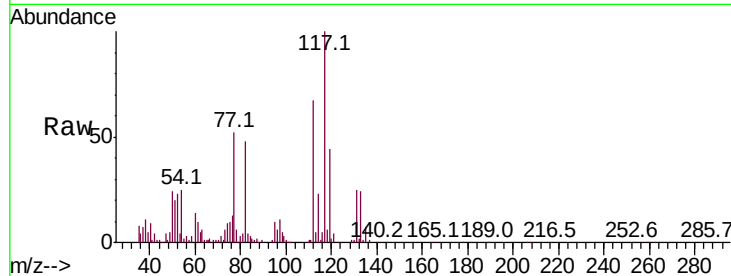
#57
Chlorobenzene
Concen: 0.576 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
112	100	116579		
77	71.4	54.2	81.4	
114	32.4	28.5	34.9	

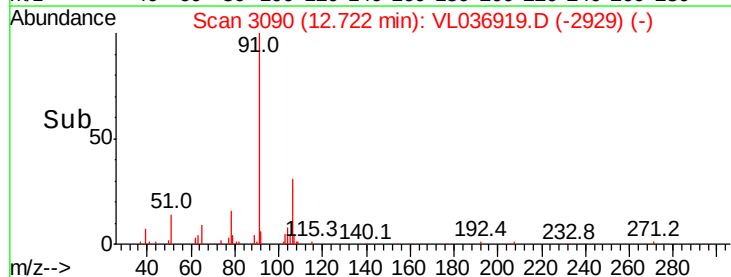
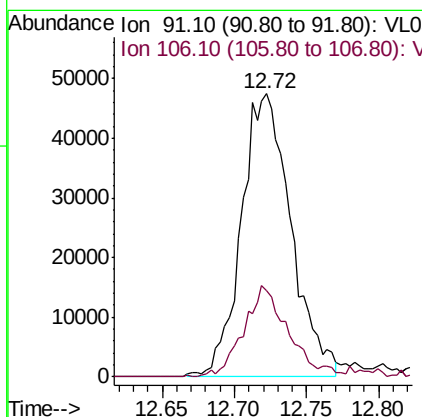
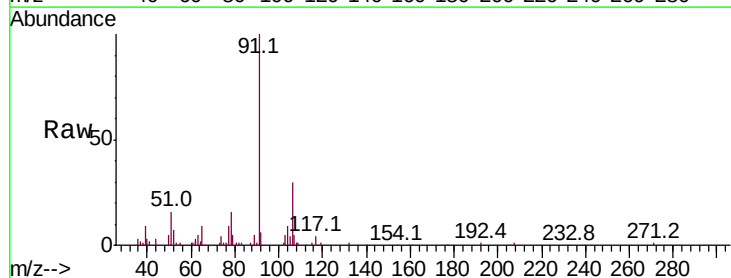
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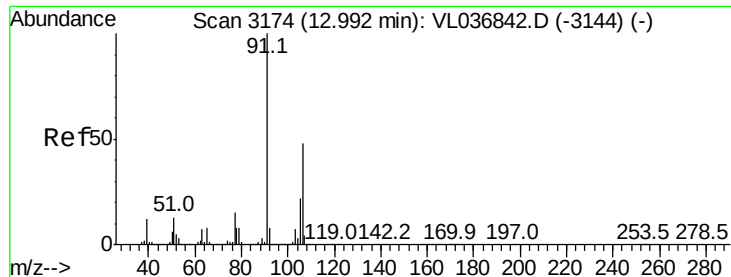
MMDadoda
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#58
Ethyl Benzene
Concen: 0.344 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	113300		
106	30.4	25.1	37.7	





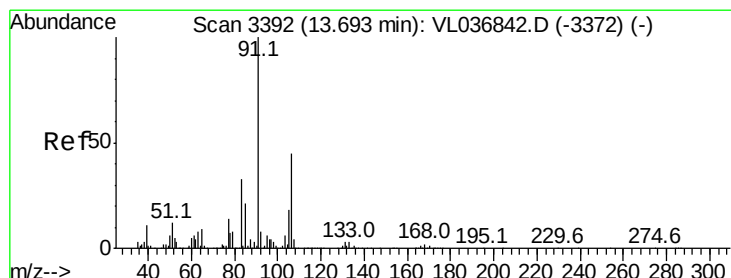
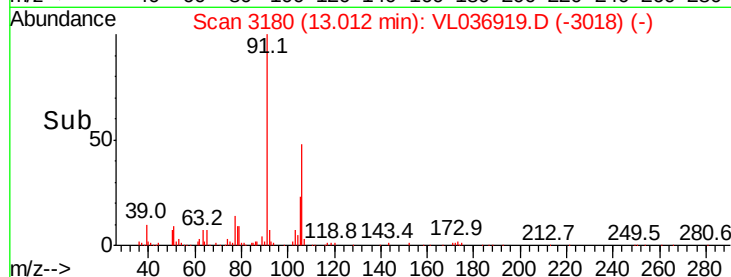
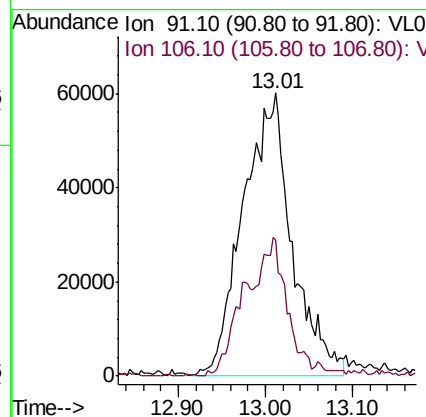
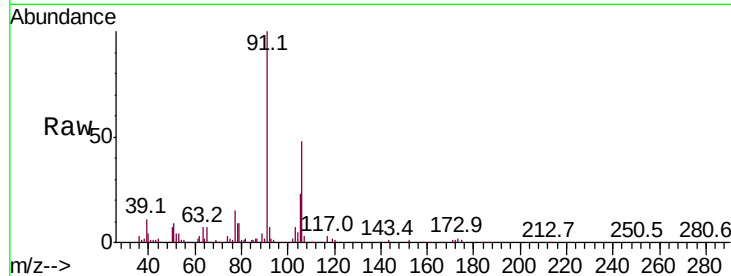
#59
m/p-Xylene
Concen: 0.798 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 234870
Ion Ratio Lower Upper
91 100
106 44.1 35.8 53.6

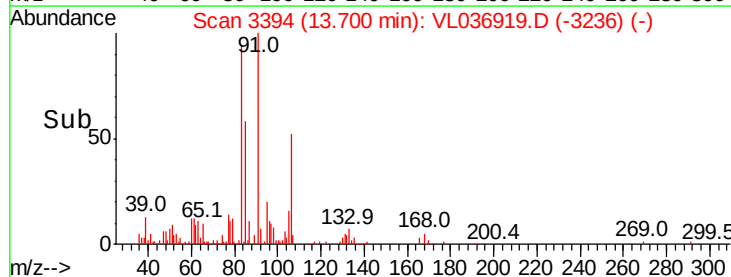
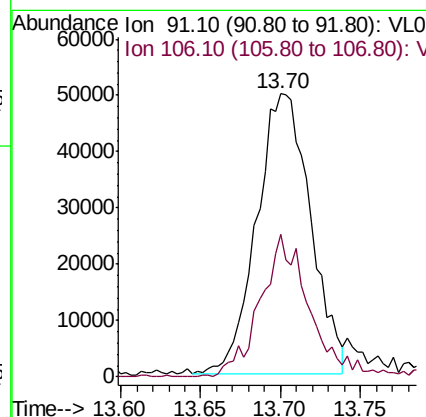
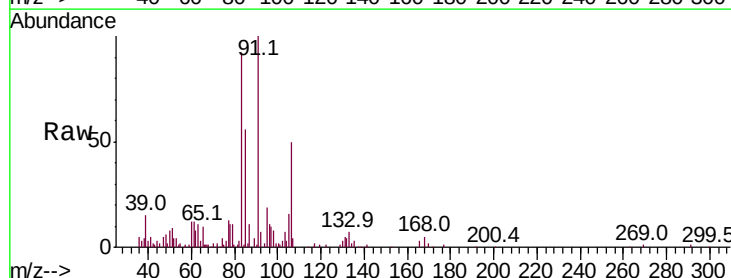
Manual Integrations
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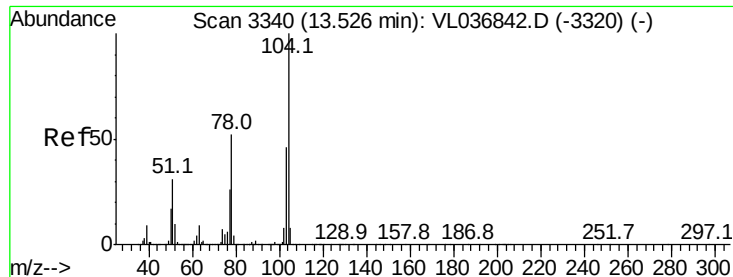
MMDadoda
5/10/2021 3:34:37 PM



#60
o-Xylene
Concen: 0.407 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 91 Resp: 115702
Ion Ratio Lower Upper
91 100
106 45.9 22.6 67.7





#61

Stvrene

Concen: 0.264 ppbv m

RT: 13.53 min Scan# 3342

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

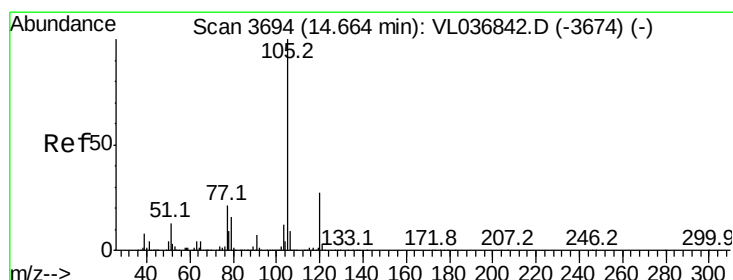
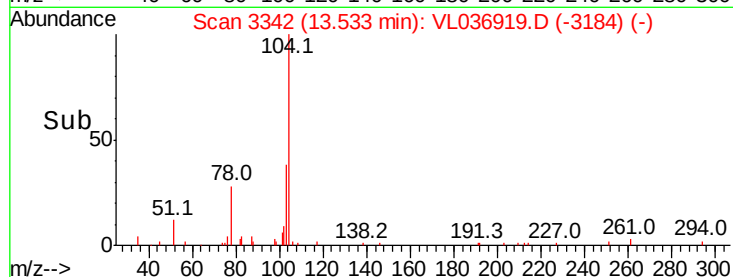
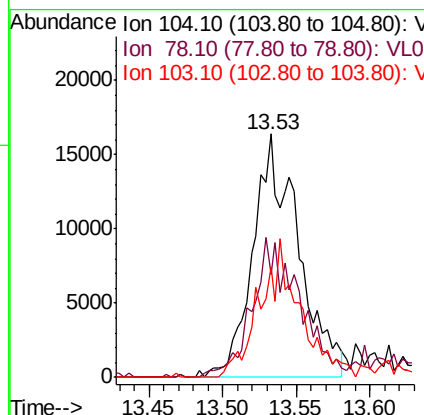
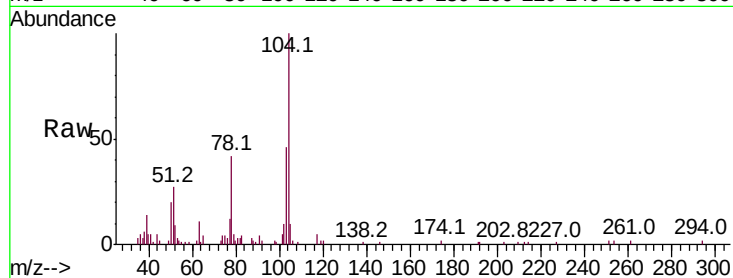
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	104	Resp:	35272
Ion Ratio	Lower	Upper	
104	100		
78	0.0	42.6	64.0#
103	49.7	38.1	57.1

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.424 ppbv

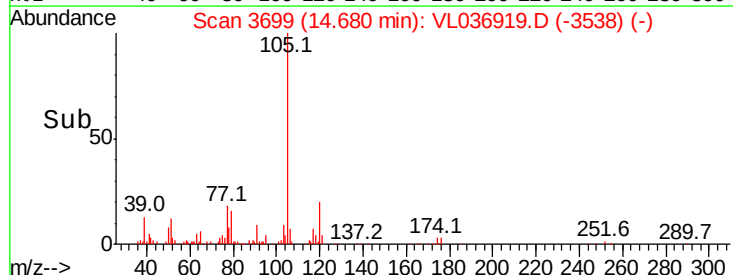
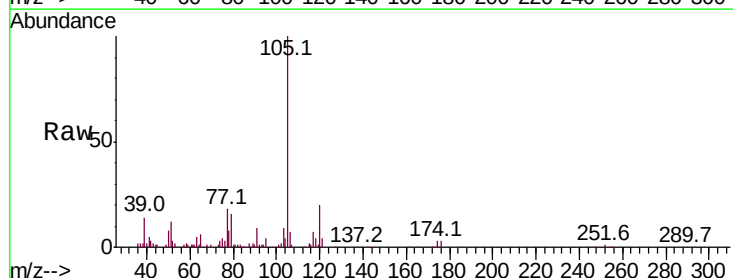
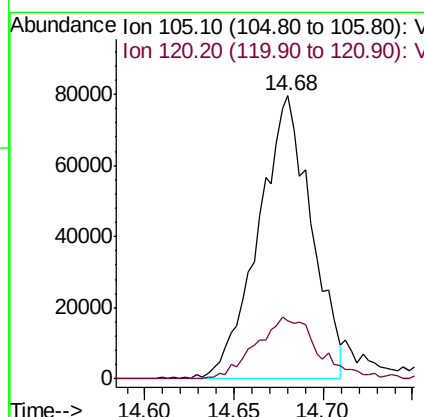
RT: 14.68 min Scan# 3699

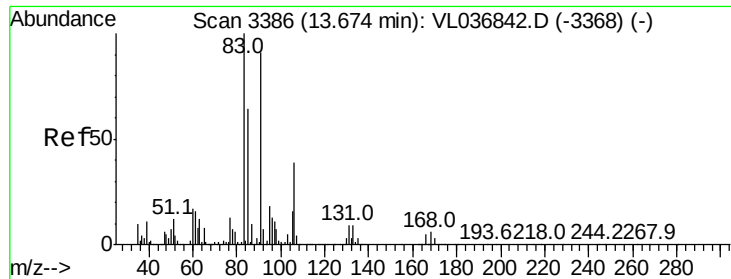
Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:	105	Resp:	164284
Ion Ratio	Lower	Upper	
105	100		
120	26.0	21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.622 ppbv m

RT: 13.69 min Scan# 3391

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

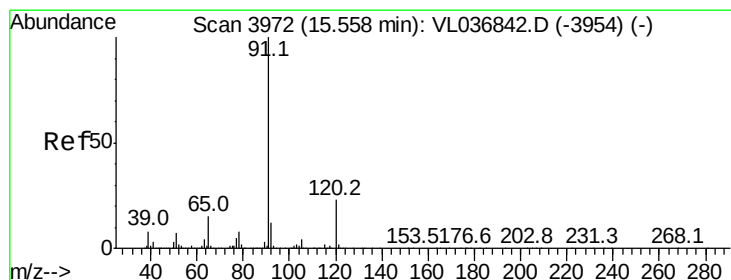
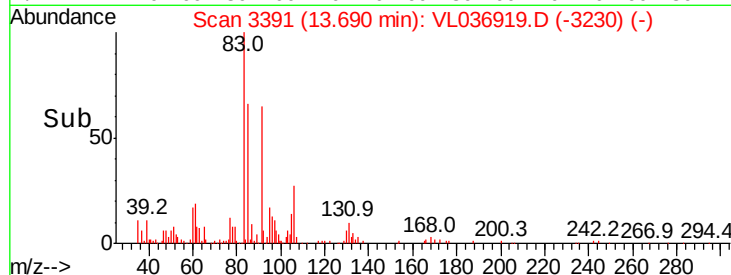
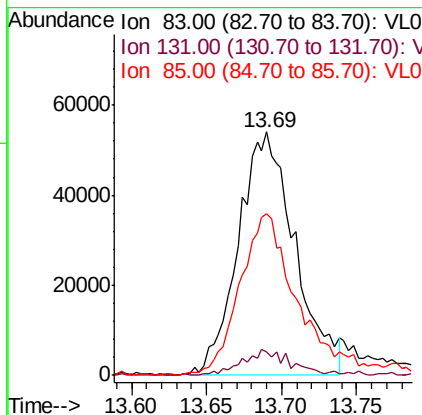
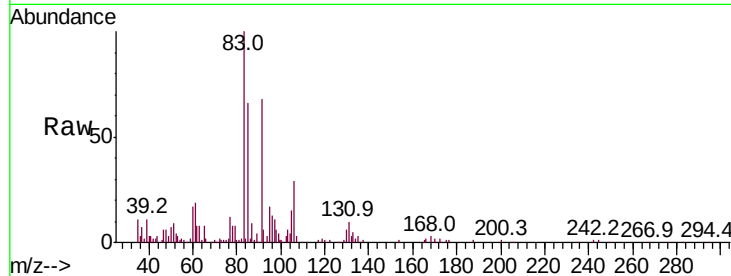
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	83	Resp:	141833
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	72.3	32.8	98.4

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5/10/2021 3:34:37 PM



#64

n-propylbenzene

Concen: 0.377 ppbv m

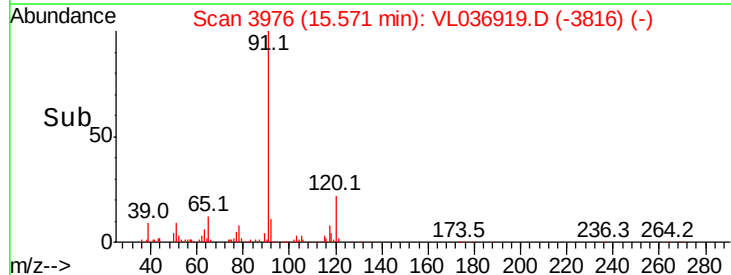
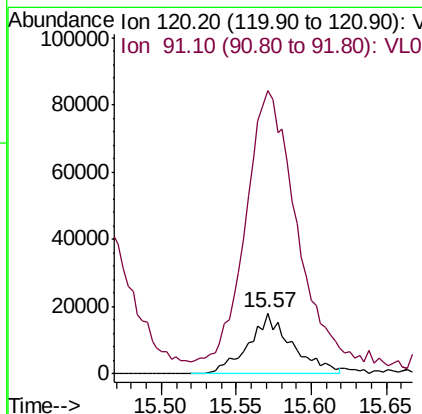
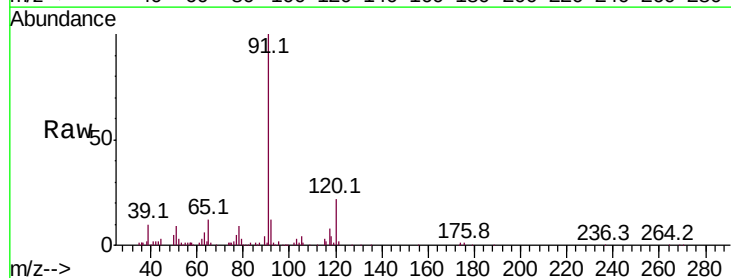
RT: 15.57 min Scan# 3976

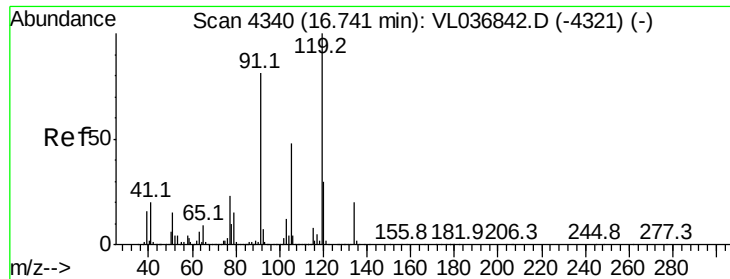
Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:	120	Resp:	36395
Ion Ratio	Lower	Upper	
120	100		
91	590.4	378.6	567.8#





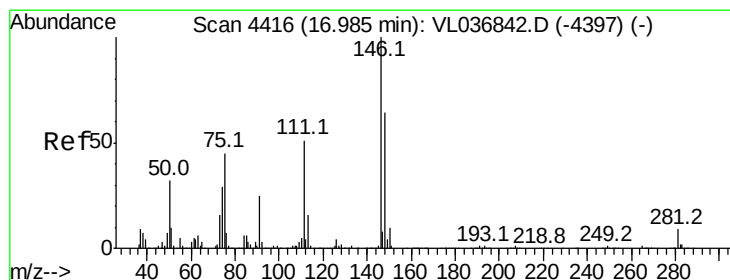
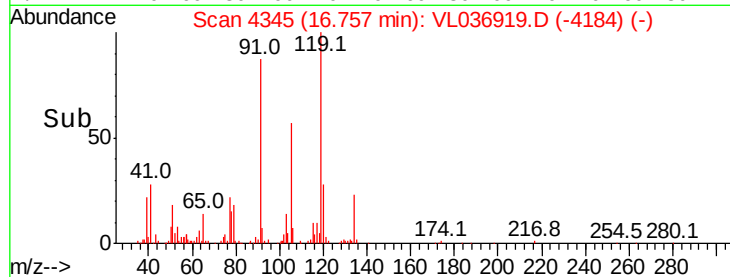
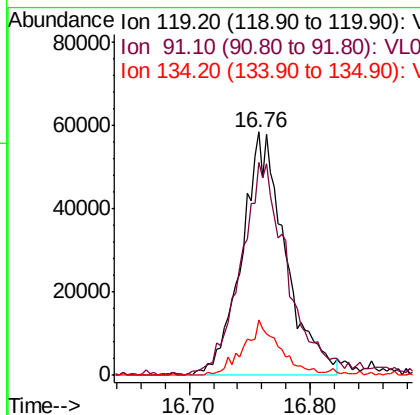
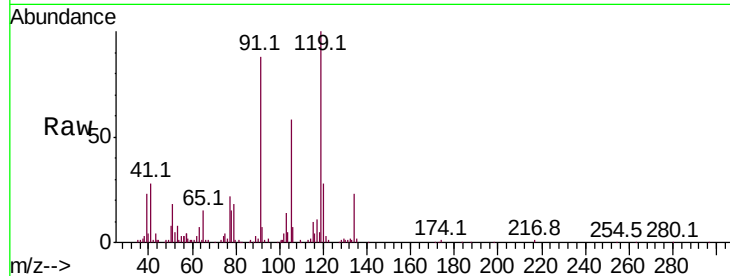
#65
 tert-Butylbenzene
 Concen: 0.432 ppbv m
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	147913		
91	96.3	67.0	100.6	
134	18.6	15.8	23.6	

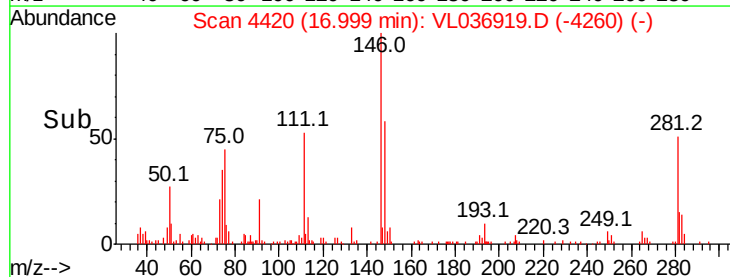
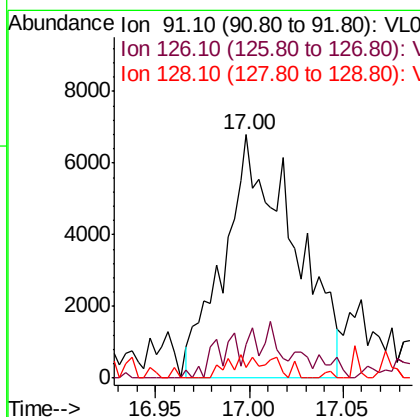
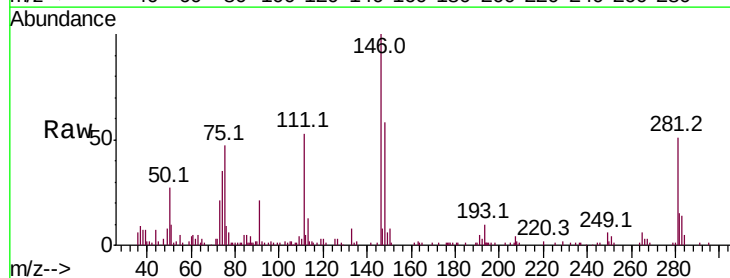
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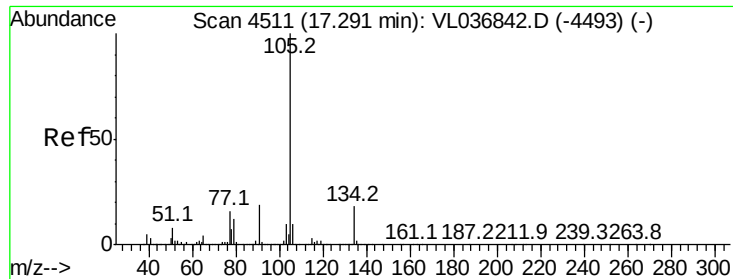
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#66
 Benzyl Chloride
 Concen: 0.521 ppbv m
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	17425		
126	0.0	14.1	21.1#	
128	6.4	4.8	7.2	





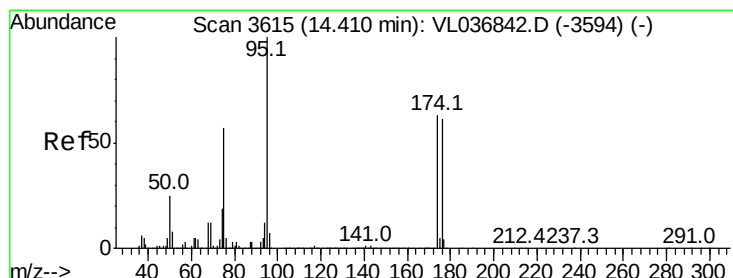
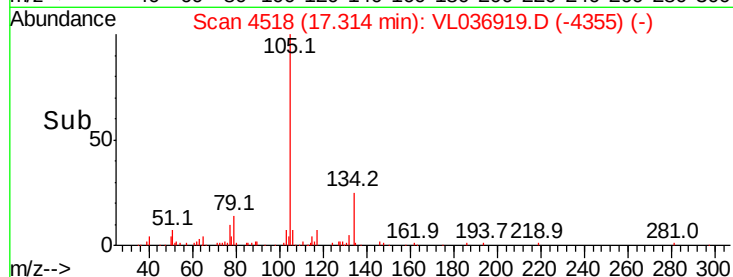
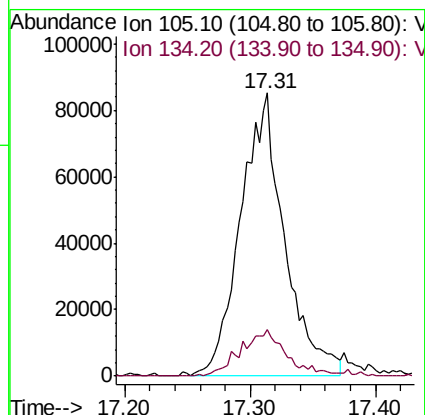
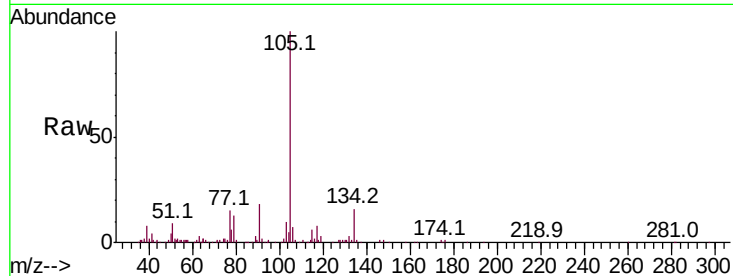
#67
 sec-Butylbenzene
 Concen: 0.432 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion: 105 Resp: 205533
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.8 22.2

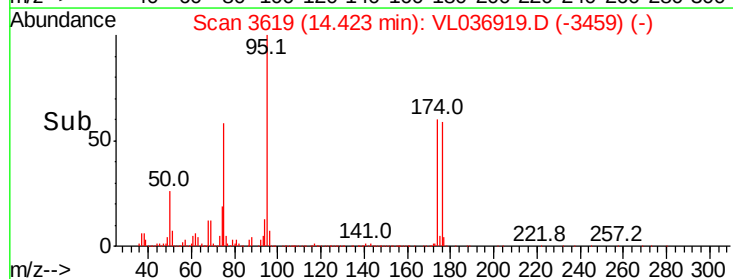
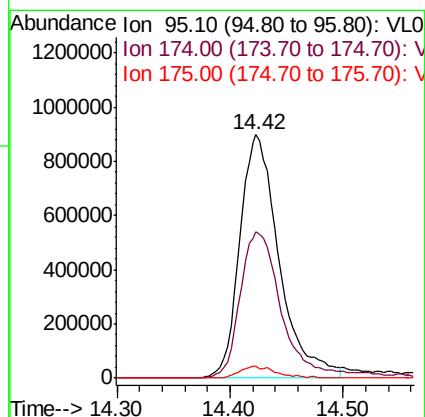
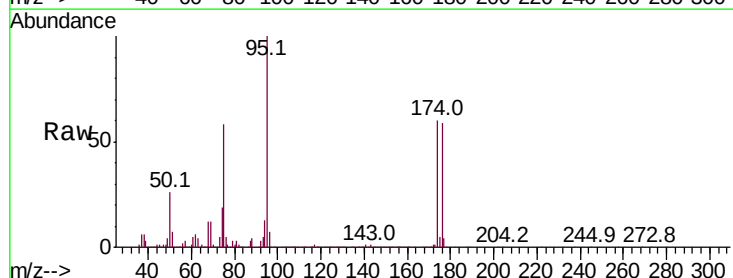
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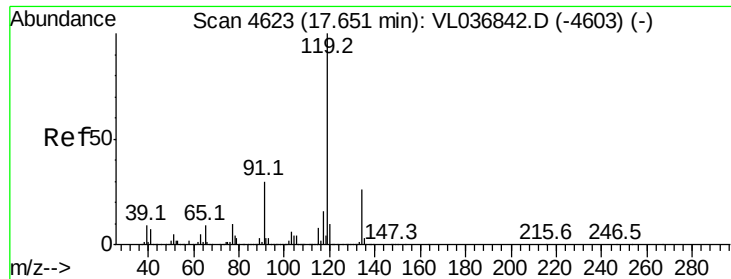
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.428 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 95 Resp: 2173554
 Ion Ratio Lower Upper
 95 100
 174 66.8 52.2 78.2
 175 4.9 4.0 6.0





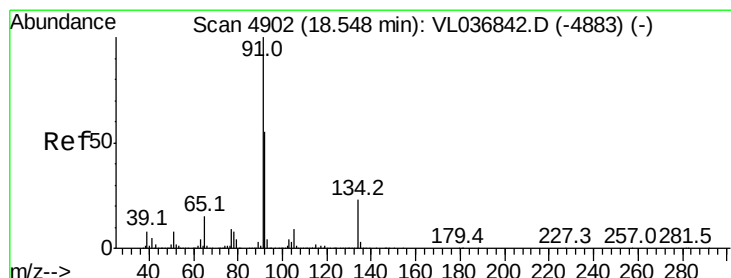
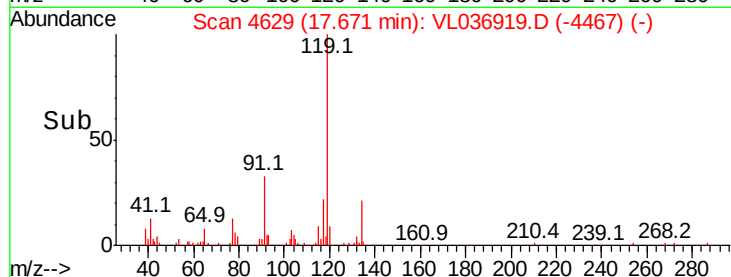
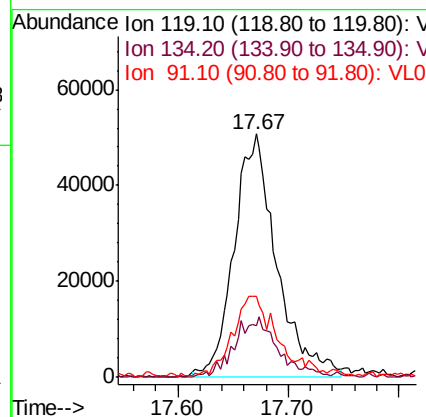
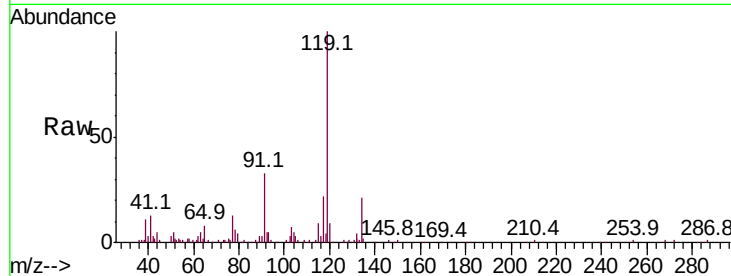
#69
 p-Isopropyltoluene
 Concen: 0.357 ppbv m
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136142		
134	25.6	20.6	31.0	
91	38.2	24.2	36.4#	

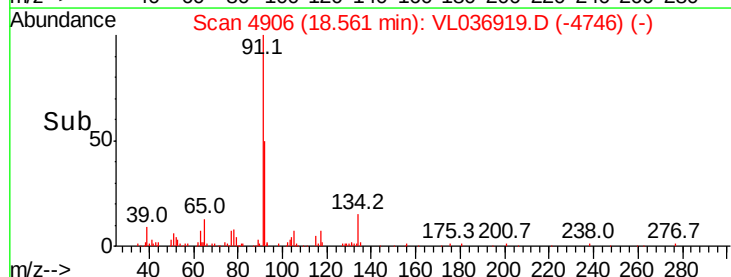
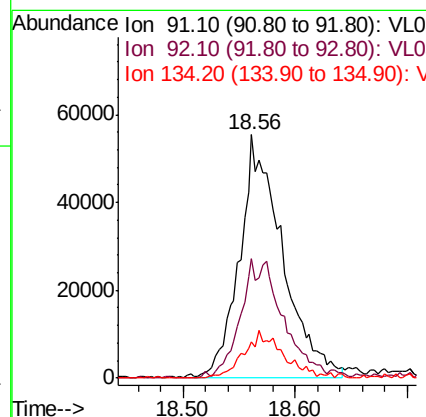
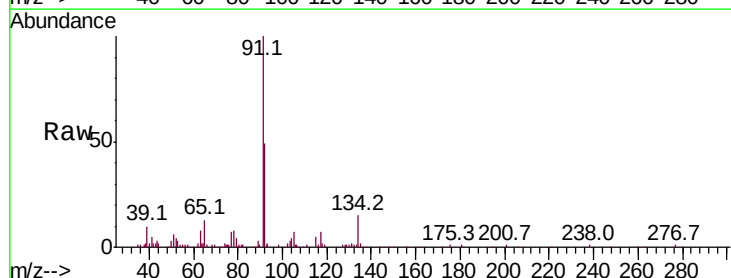
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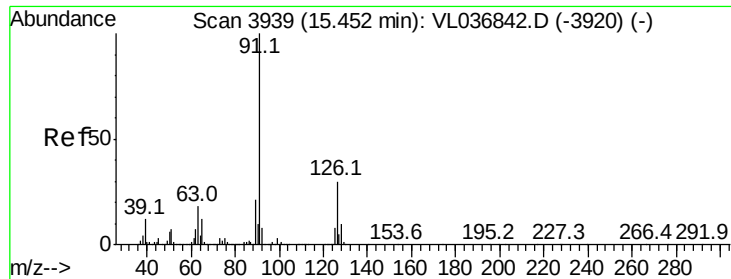
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#70
 n-Butylbenzene
 Concen: 0.385 ppbv m
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	147770		
92	0.0	43.5	65.3#	
134	18.0	18.2	27.4#	





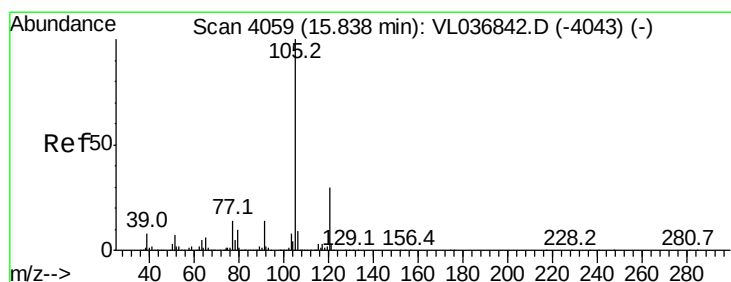
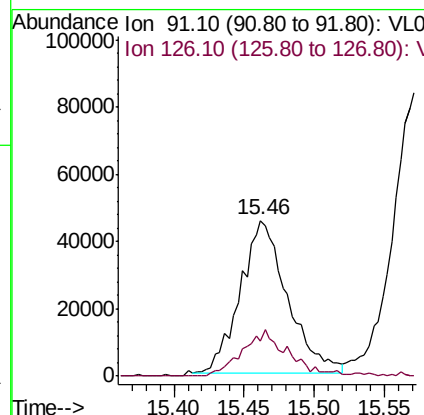
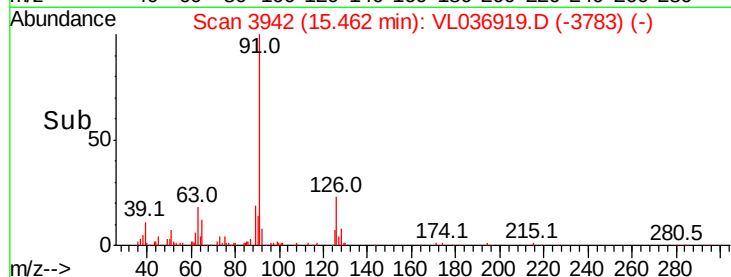
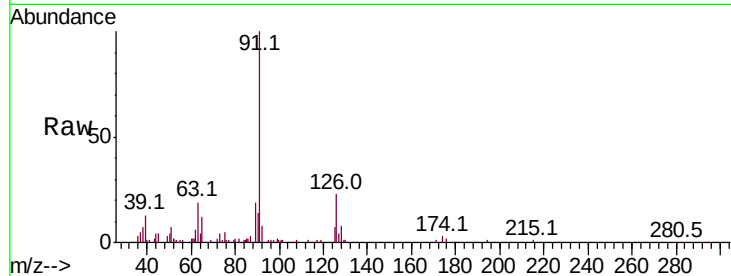
#71
 2-Chlorotoluene
 Concen: 0.374 ppbv
 RT: 15.46 min Scan# 3942
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 107218
 Ion Ratio Lower Upper
 91 100
 126 29.7 12.3 49.3

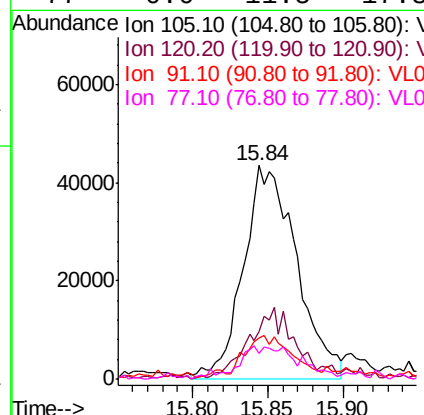
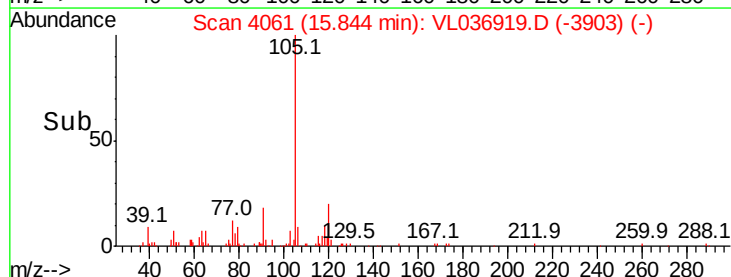
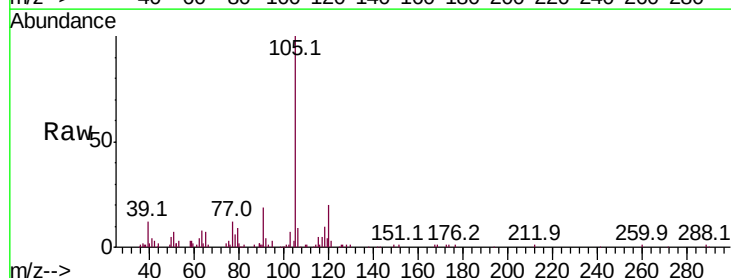
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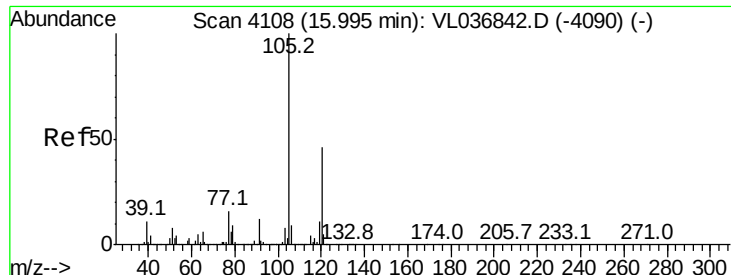
MMDadoda
 5/10/2021 3:34:37 PM



#72
 4-Ethyltoluene
 Concen: 0.351 ppbv m
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 105 Resp: 107283
 Ion Ratio Lower Upper
 105 100
 120 31.3 23.8 35.6
 91 22.7 10.7 16.1#
 77 0.0 11.5 17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.399 ppbv m

RT: 16.01 min Scan# 4111

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 118258

Ion Ratio Lower Upper

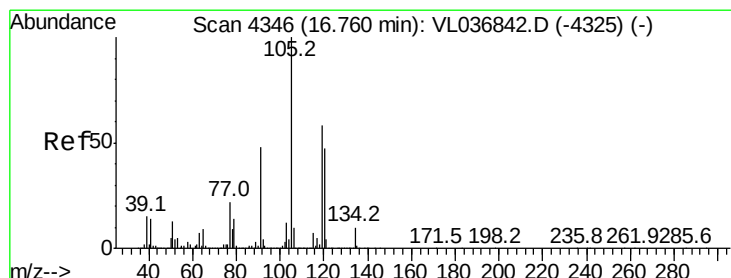
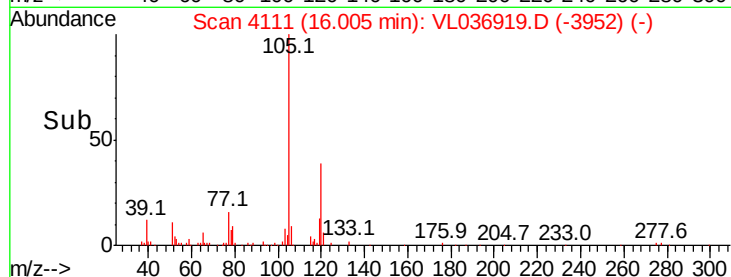
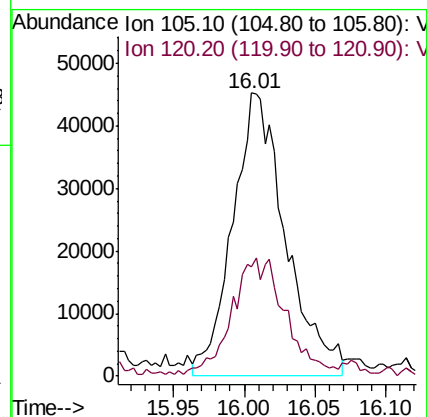
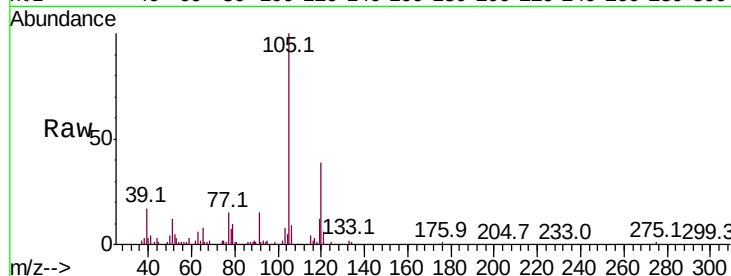
105 100

120 38.8 36.8 55.2

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5/10/2021 3:34:37 PM



#74

1,2,4-Trimethylbenzene

Concen: 0.411 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:105 Resp: 129296

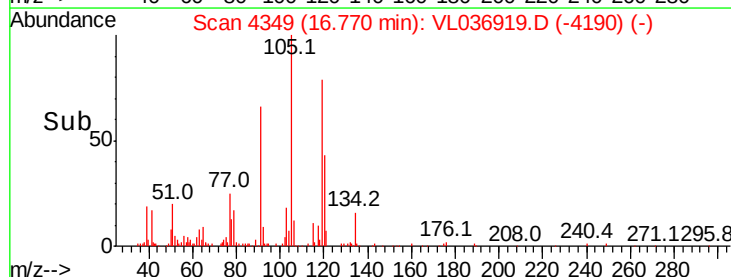
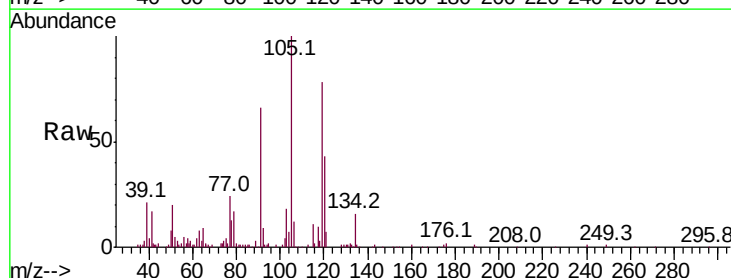
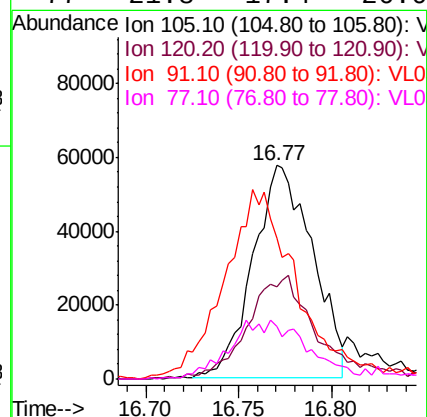
Ion Ratio Lower Upper

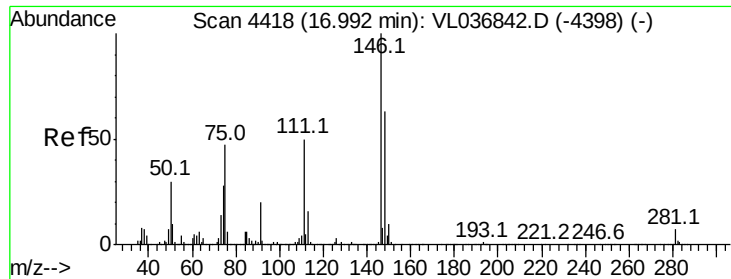
105 100

120 41.3 37.6 56.4

91 53.6 39.0 58.4

77 21.8 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 0.537 ppbv m

RT: 17.01 min Scan# 4424

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

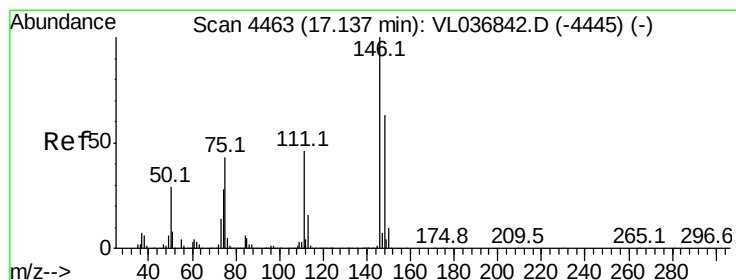
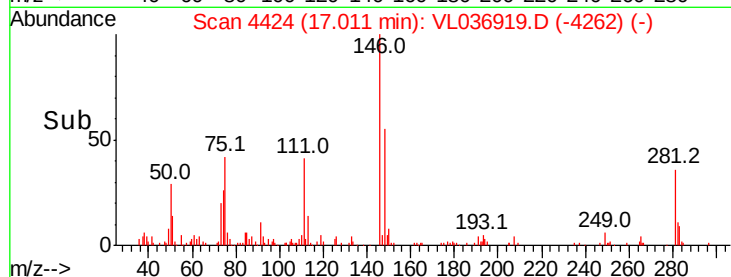
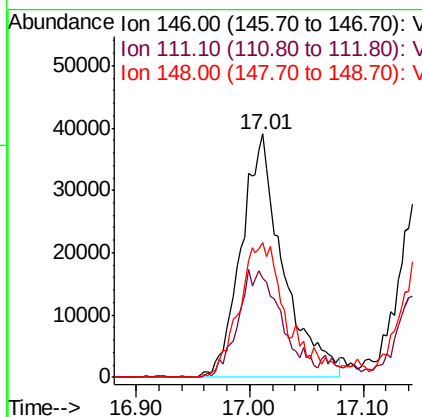
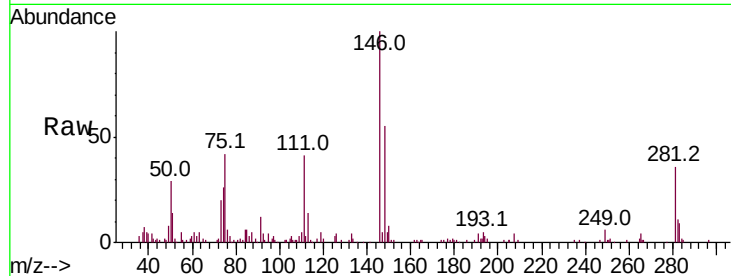
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	63.7	32.1	96.3

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#76

1,4-Dichlorobenzene

Concen: 0.497 ppbv m

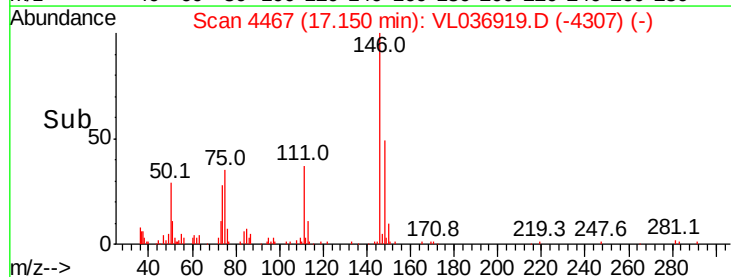
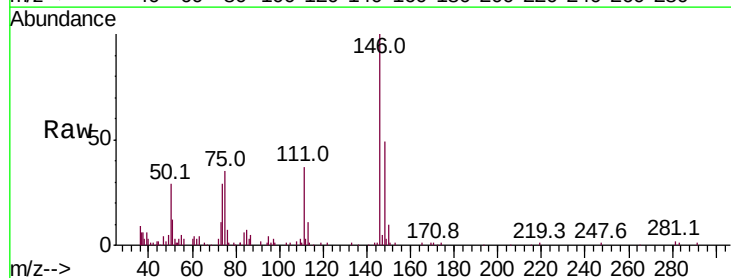
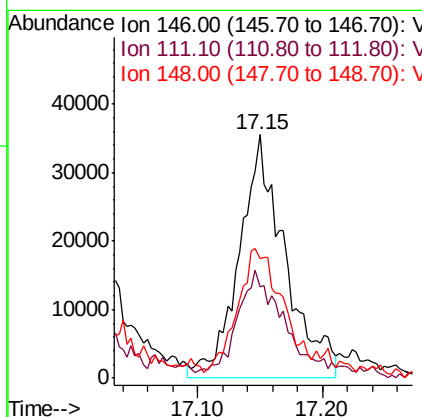
RT: 17.15 min Scan# 4467

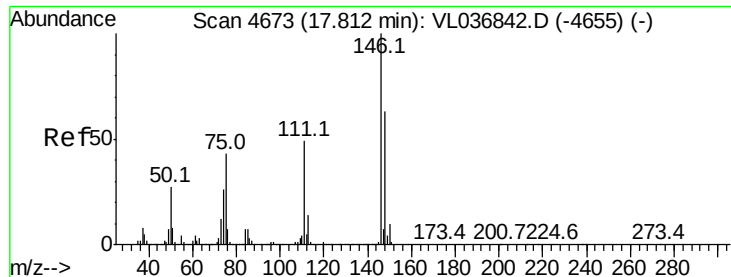
Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.3	72.8#
148	0.0	32.4	97.0#





#77

1,2-Dichlorobenzene

Concen: 0.420 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

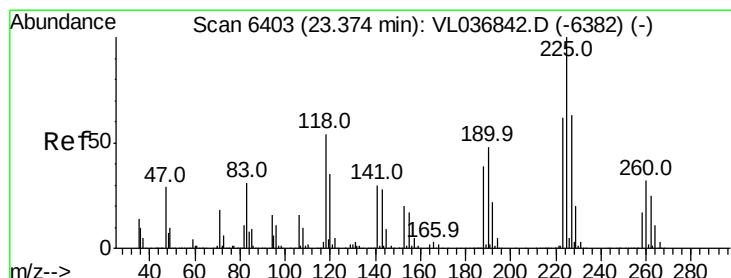
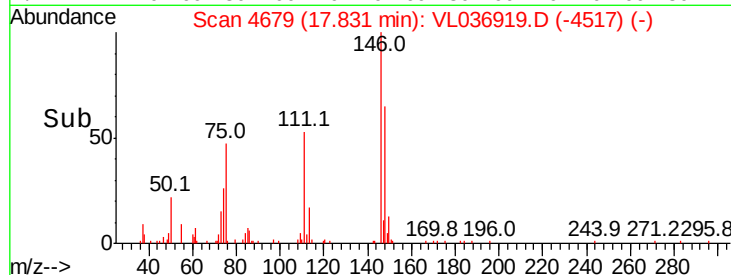
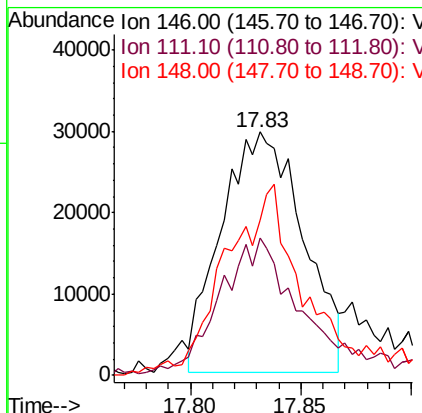
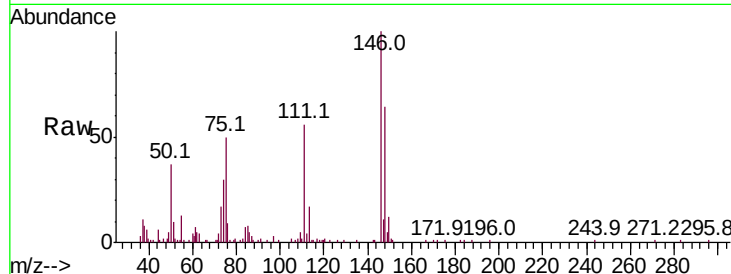
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	62.4	25.0	75.0
148	82.8	32.4	97.0

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5/10/2021 3:34:37 PM



#78

Hexachloro-1,3-Butadiene

Concen: 0.607 ppbv m

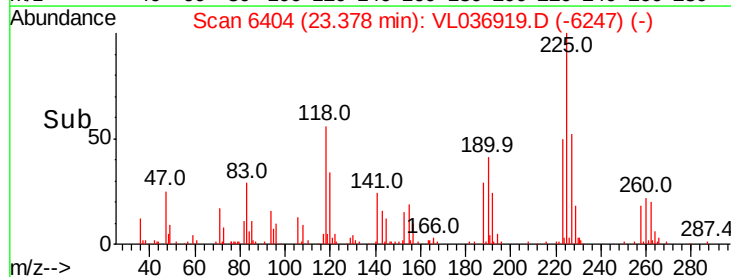
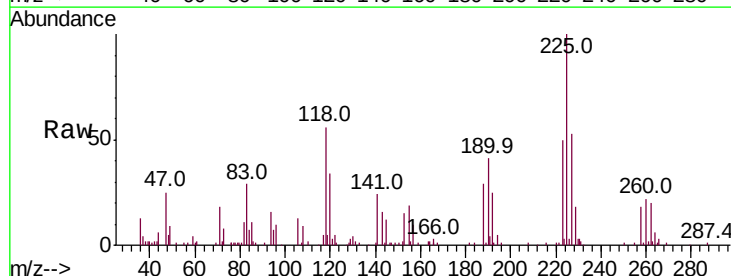
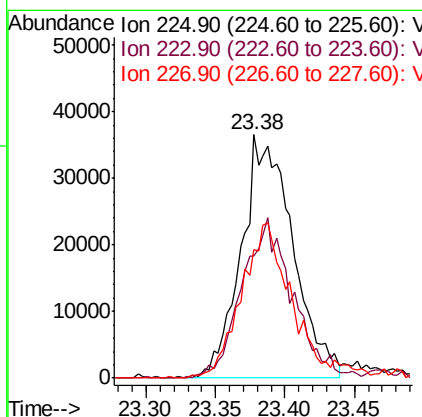
RT: 23.38 min Scan# 6404

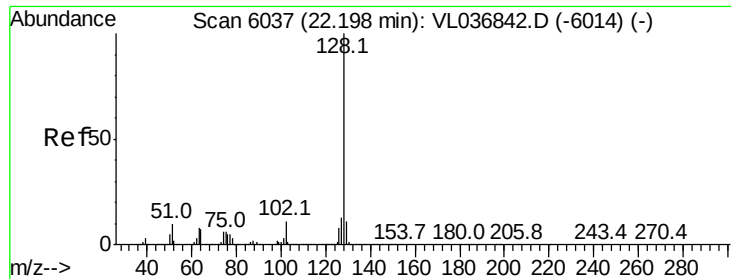
Delta R.T. 0.00 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.2	76.8#
227	0.0	51.8	77.6#





#79

Naphthalene

Concen: 0.215 ppbv m

RT: 22.21 min Scan# 6041

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

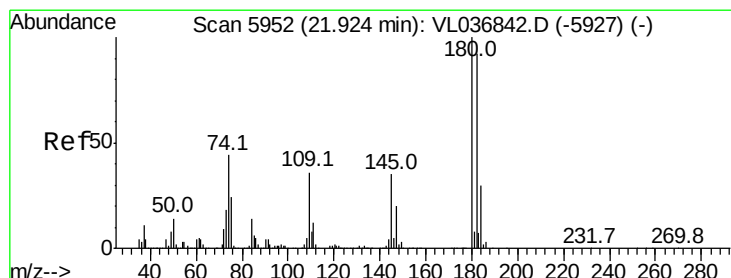
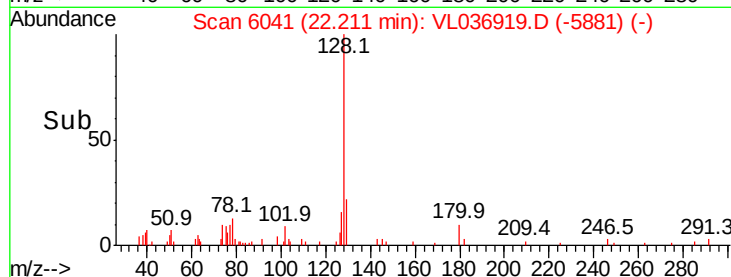
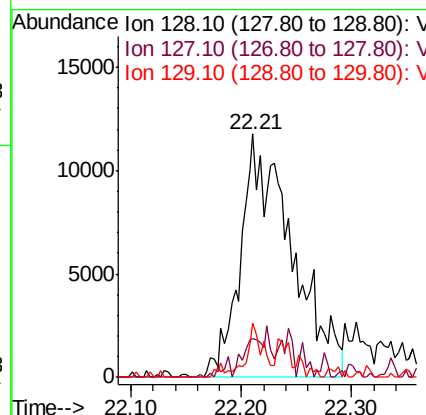
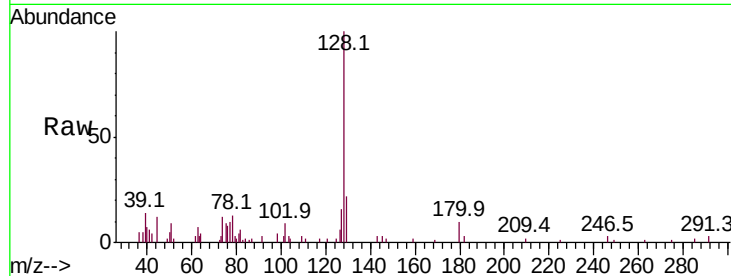
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	128	Resp:	37826
Ion Ratio	Lower	Upper	
128	100		
127	16.1	10.6	15.8#
129	22.2	9.0	13.4#

Manual Integrations
APPROVED

MMDadoda
5/10/2021 3:34:37 PM



#81

1,2,4-Trichlorobenzene

Concen: 0.317 ppbv m

RT: 21.95 min Scan# 5961

Delta R.T. 0.03 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:	180	Resp:	36083
Ion Ratio	Lower	Upper	
180	100		
182	95.3	80.9	121.3
184	36.1	25.3	37.9

