

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036916.D
 Acq On : 7 May 2021 13:02
 Operator : SY/AP
 Sample : M2262-15 0.4
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:30 PM

Quant Time: May 08 18:56:27 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	1289343	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3072185	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2698477	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2266412	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	120152	0.592	ppbv	94
3) Chlorodifluoromethane	2.99	51	127508	0.543	ppbv	99
4) Chloromethane	3.15	50	39819	0.516	ppbv #	81
5) Vinyl Chloride	3.27	62	38846	0.499	ppbv	100
6) Bromomethane	3.48	94	21396m	0.511	ppbv	
7) Chloroethane	3.56	64	12504	0.489	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	104672	0.565	ppbv	98
9) Propene	3.02	41	32645m	0.456	ppbv	
10) Heptane	8.13	43	54293m	0.302	ppbv	
11) Trichlorofluoromethane	3.96	101	93601	0.516	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	61086m	0.504	ppbv	
13) Ethanol	3.65	45	5198m	0.570	ppbv	
14) Bromoethene	3.75	108	21873	0.441	ppbv #	90
15) Acetone	3.88	43	76652m	0.631	ppbv	
16) 1,3-Butadiene	3.33	39	38247m	0.492	ppbv	
17) tert-Butyl alcohol	4.36	59	47721m	0.484	ppbv	
18) 1,1-Dichloroethene	4.30	96	24667m	0.468	ppbv	
19) Isopropyl Alcohol	4.01	45	32785m	0.544	ppbv	
20) Methylene Chloride	4.35	84	32323m	0.556	ppbv	
21) Allyl Chloride	4.42	41	43262m	0.479	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	23493m	0.444	ppbv	
23) Vinyl Acetate	5.10	43	62672m	0.379	ppbv	
24) 1,1-Dichloroethane	5.02	63	77220m	0.658	ppbv	
25) Ethyl Acetate	5.70	43	112262	0.378	ppbv #	94
26) Hexane	5.69	57	53320m	0.384	ppbv	
27) Carbon Disulfide	4.56	76	55340m	0.459	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	57101m	0.464	ppbv	
29) Chloroform	5.75	83	112066	0.518	ppbv	97
30) Cyclohexane	7.14	84	55408m	0.503	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	39138	0.314	ppbv #	87
32) 1,1,1-Trichloroethane	6.52	97	102424	0.465	ppbv	94
34) 2-Butanone	5.28	43	58364m	0.434	ppbv	
35) Carbon Tetrachloride	7.02	117	113124m	0.543	ppbv	
36) Benzene	6.90	78	85967m	0.332	ppbv	
37) 1,2-Dichloroethane	6.31	62	69670m	0.475	ppbv	
38) Trichloroethene	7.84	130	37285m	0.405	ppbv	
39) 1,2-Dichloropropane	7.63	63	45803	0.442	ppbv #	84
40) 1,4-Dioxane	7.90	88	12704m	0.507	ppbv	
41) Tetrahydrofuran	6.10	42	16415m	0.279	ppbv	
42) Bromodichloromethane	7.80	83	94879	0.466	ppbv	95
43) Methyl Methacrylate	8.04	69	21629m	0.256	ppbv	

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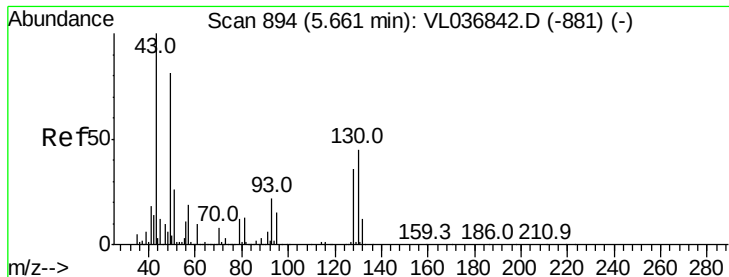
Manual Integrations
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Quant Time: May 08 18:56:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Apr 2
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	160427m	0.362	ppbv	
45) t-1,3-Dichloropropene	9.29	75	24136	0.265	ppbv	89
46) cis-1,3-Dichloropropene	8.72	75	33393m	0.286	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	49676m	0.463	ppbv	
48) Dibromochloromethane	10.31	129	62537	0.393	ppbv	97
49) Bromoform	13.05	173	54120m	0.426	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	54653m	0.297	ppbv	
51) 2-Hexanone	10.19	43	20976m	0.229	ppbv	
52) Tetrachloroethene	11.23	164	34825m	0.395	ppbv	
53) Toluene	9.82	91	68993m	0.255	ppbv	
54) 1,2-Dibromoethane	10.62	107	59336	0.391	ppbv #	76
56) 1,1,1,2-Tetrachloroethane	12.13	131	65599m	0.580	ppbv	
57) Chlorobenzene	12.15	112	107485	0.511	ppbv #	93
58) Ethyl Benzene	12.72	91	94820	0.277	ppbv	98
59) m/p-Xylene	13.00	91	199977m	0.654	ppbv	
60) o-Xylene	13.70	91	94696	0.320	ppbv	97
61) Styrene	13.53	104	32422m	0.233	ppbv	
62) Isopropylbenzene	14.67	105	140590	0.349	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.68	83	132992m	0.561	ppbv	
64) n-propylbenzene	15.57	120	30485m	0.304	ppbv	
65) tert-Butylbenzene	16.75	119	118392m	0.333	ppbv	
66) Benzyl Chloride	17.00	91	14969m	0.430	ppbv	
67) sec-Butylbenzene	17.31	105	154839	0.313	ppbv	98
69) p-Isopropyltoluene	17.66	119	105295	0.266	ppbv #	90
70) n-Butylbenzene	18.56	91	118622m	0.297	ppbv	
71) 2-Chlorotoluene	15.46	91	90839	0.305	ppbv	99
72) 4-Ethyltoluene	15.85	105	82964	0.261	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.01	105	99306m	0.323	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	114001m	0.349	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	83191	0.430	ppbv	89
76) 1,4-Dichlorobenzene	17.14	146	77541m	0.410	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	77932m	0.413	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	77243m	0.481	ppbv	
79) Naphthalene	22.22	128	27700m	0.151	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	30338m	0.256	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036916.D

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MDL-AIR-03-QT2-2021

Tot Ion: 49 Resp: 1289343

Ion Ratio Lower Upper

49 100

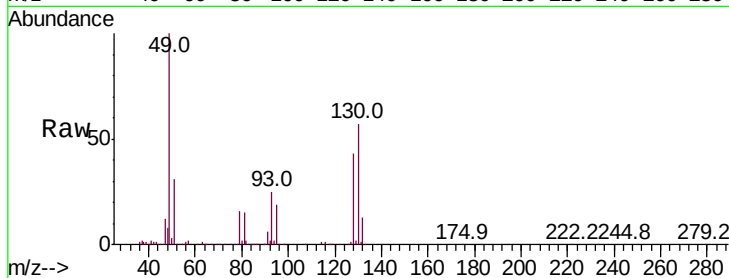
128 46.3 24.4 73.2

130 60.0 30.3 90.8

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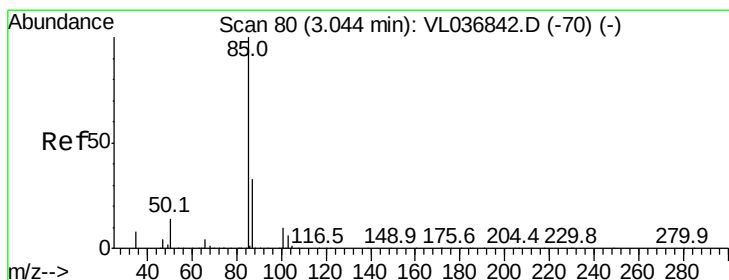
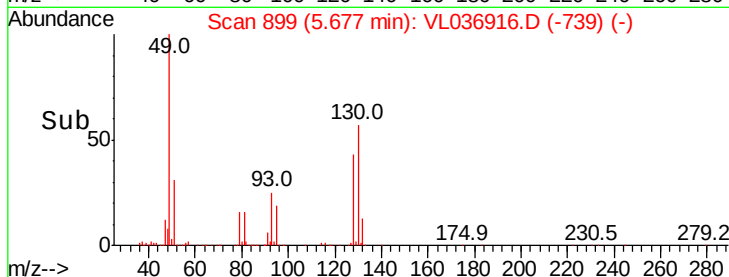
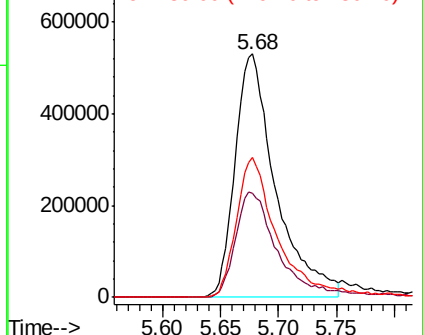
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.592 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036916.D

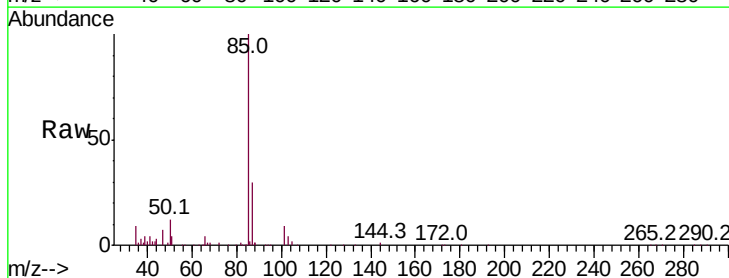
Acq: 7 May 2021 13:02

Tgt Ion: 85 Resp: 120152

Ion Ratio Lower Upper

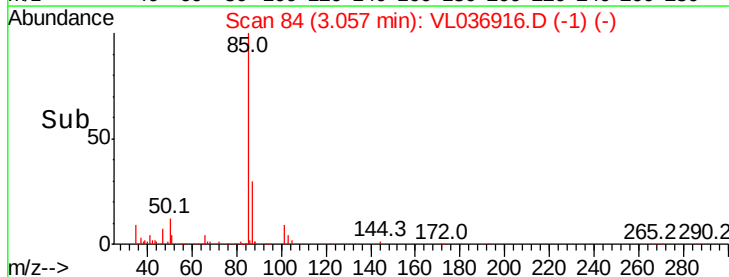
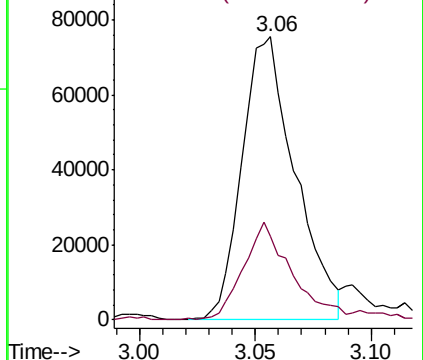
85 100

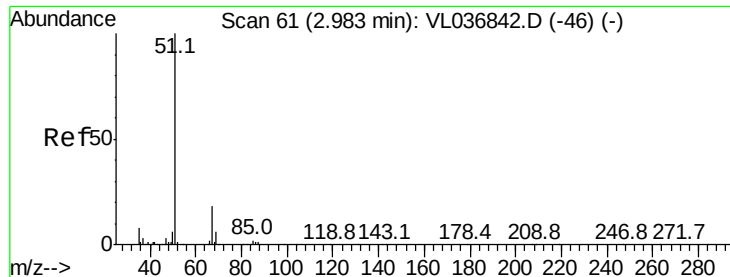
87 29.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.543 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 127508

Ion Ratio Lower Upper

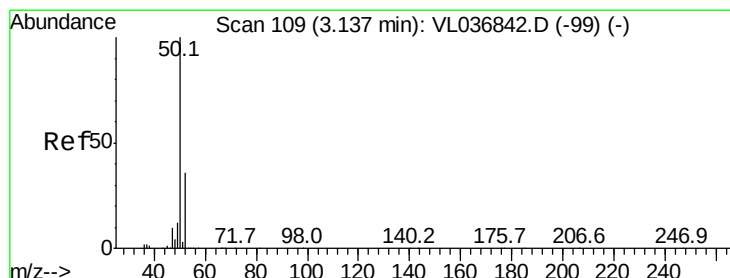
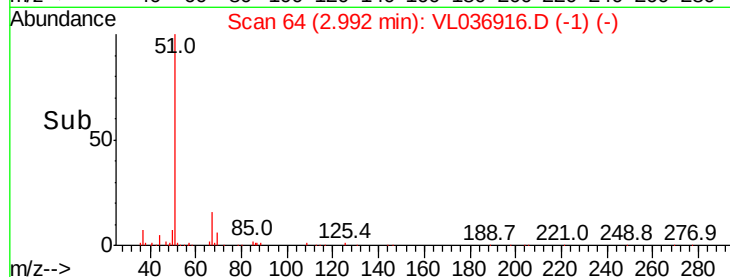
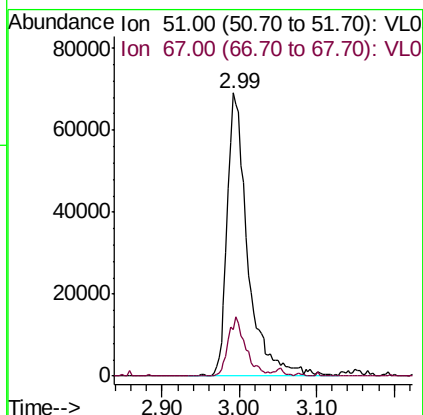
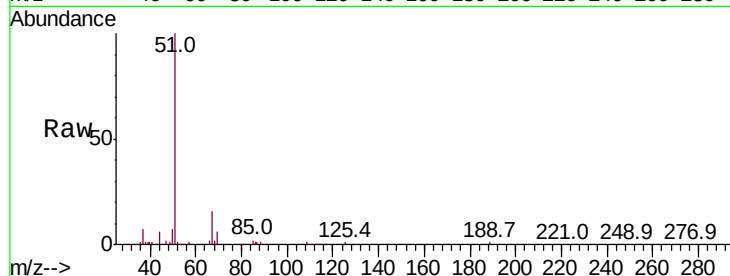
51 100

67 18.9 14.8 22.2

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#4

Chloromethane

Concen: 0.516 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036916.D

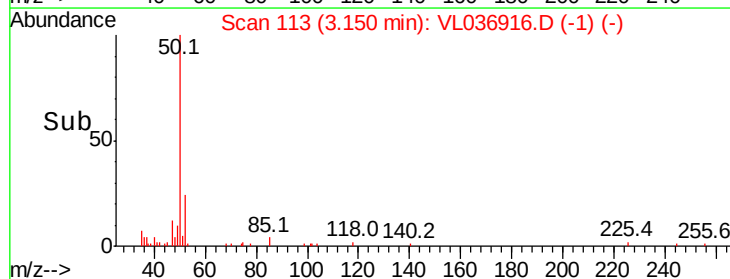
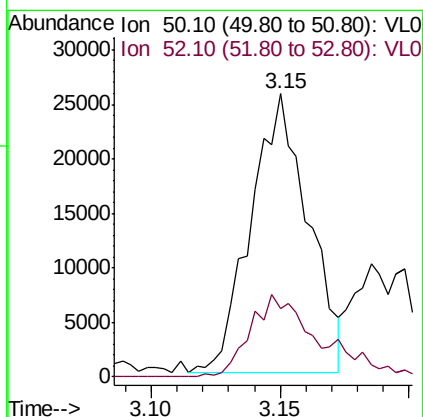
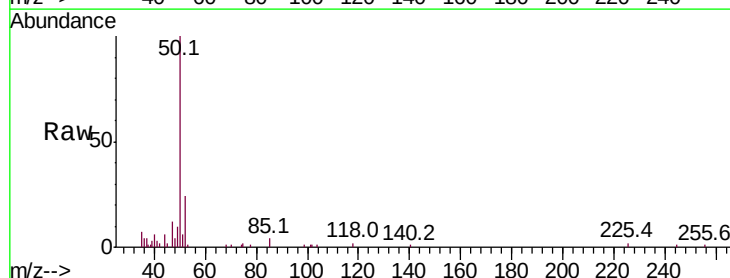
Acq: 7 May 2021 13:02

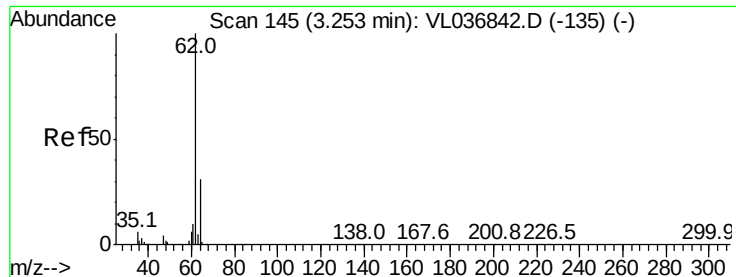
Tgt Ion: 50 Resp: 39819

Ion Ratio Lower Upper

50 100

52 24.8 28.5 42.7#





#5

Vinyl Chloride

Concen: 0.499 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 38846

Ion Ratio Lower Upper

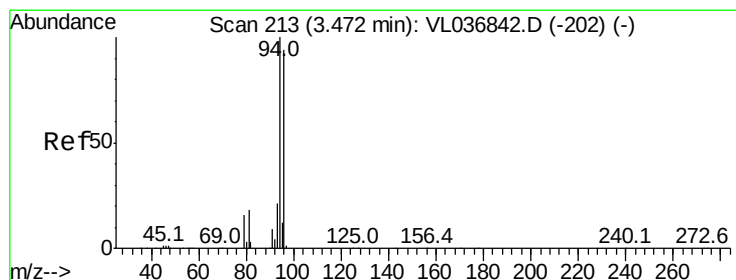
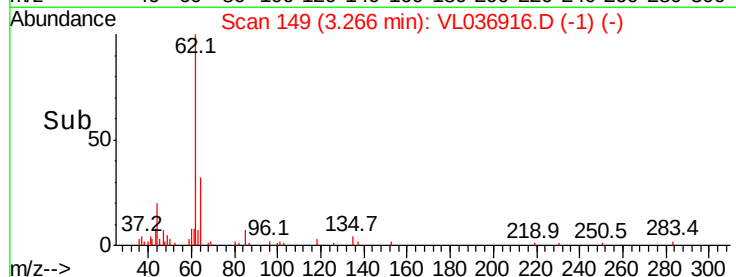
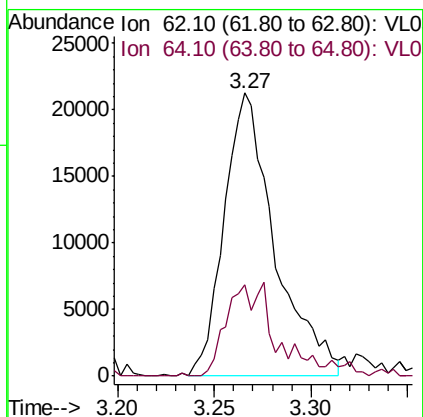
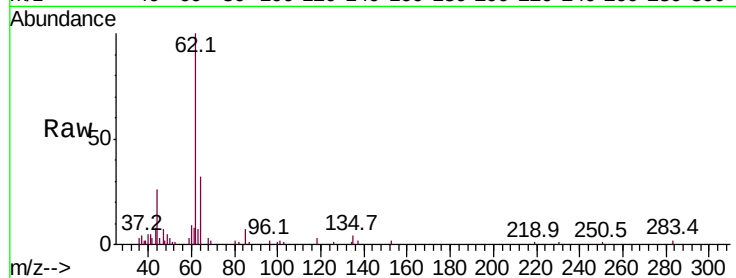
62 100

64 31.3 25.0 37.4

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#6

Bromomethane

Concen: 0.511 ppbv m

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036916.D

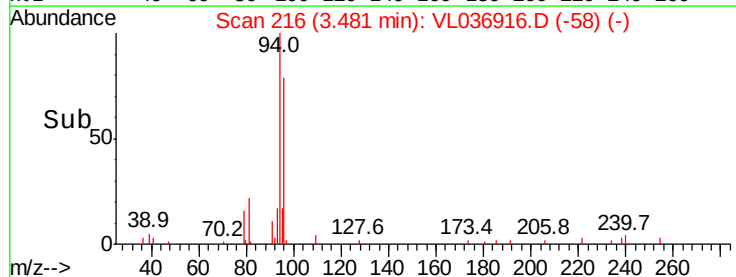
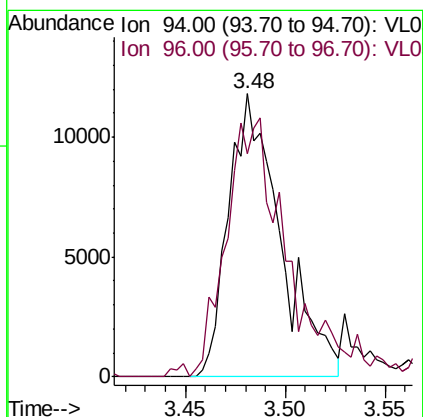
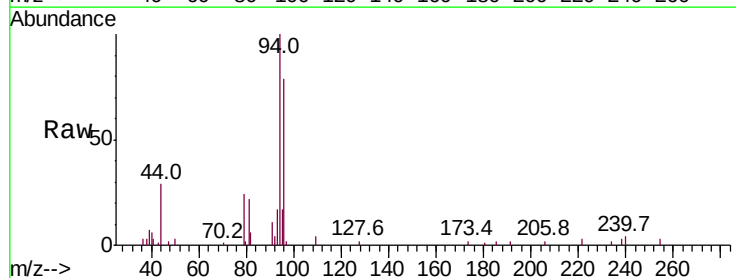
Acq: 7 May 2021 13:02

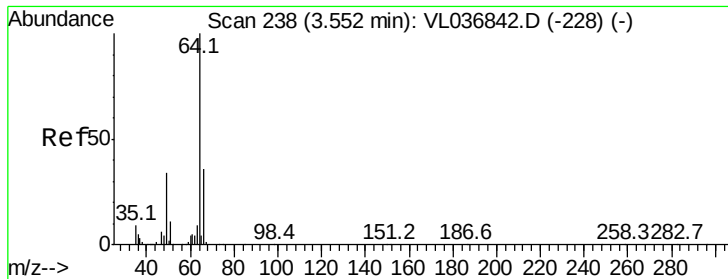
Tgt Ion: 94 Resp: 21396

Ion Ratio Lower Upper

94 100

96 78.7 75.4 113.0





#7

Chloroethane

Concen: 0.489 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 12504

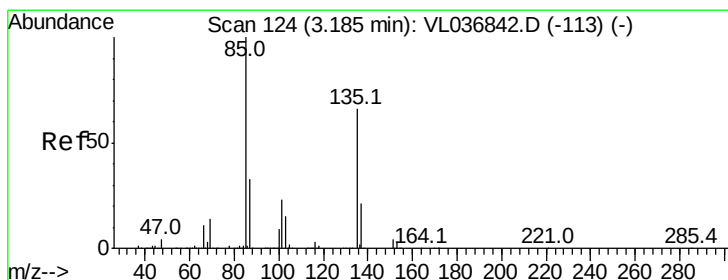
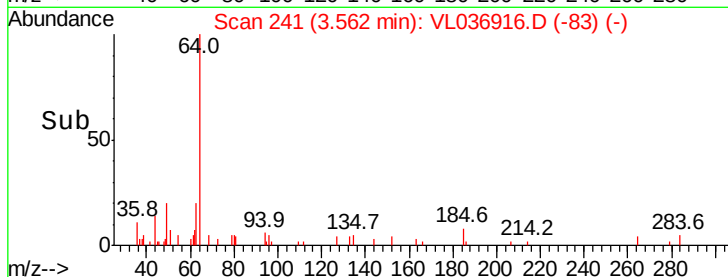
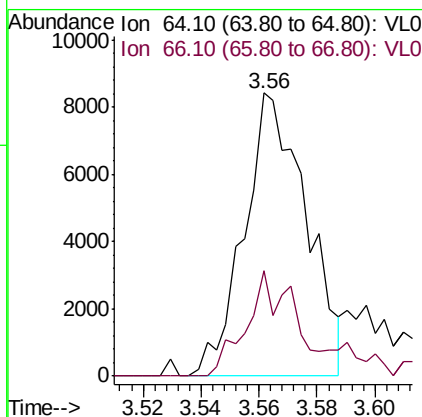
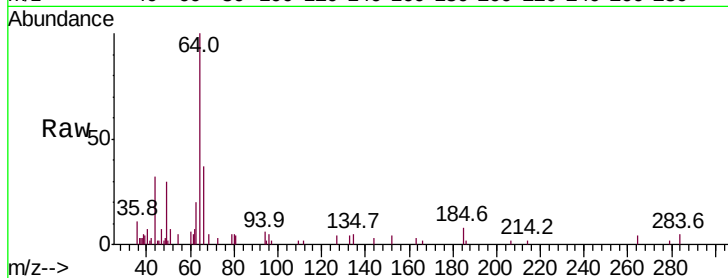
Ion Ratio Lower Upper

64 100

66 37.4 29.0 43.6

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#8

Dichlorotetrafluoroethane

Concen: 0.565 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036916.D

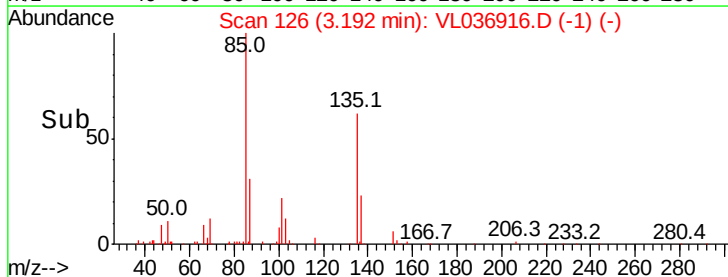
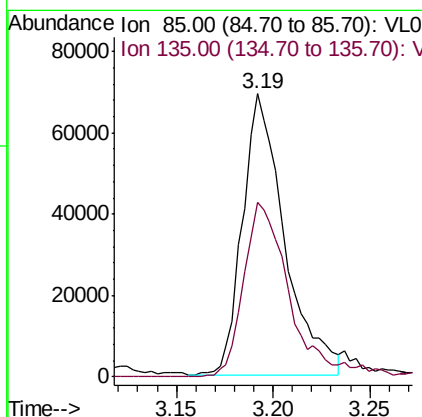
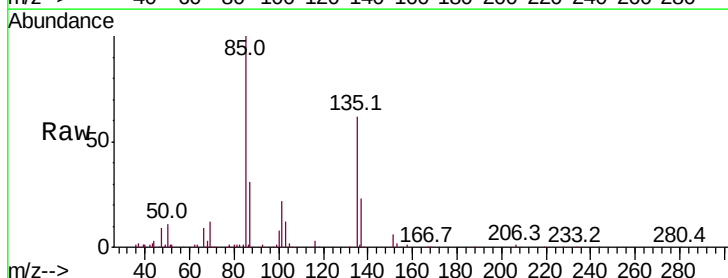
Acq: 7 May 2021 13:02

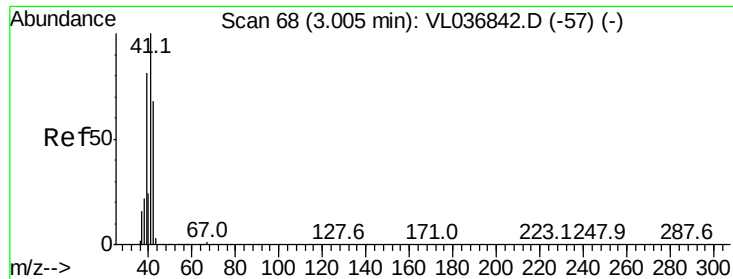
Tgt Ion: 85 Resp: 104672

Ion Ratio Lower Upper

85 100

135 68.7 56.2 84.4





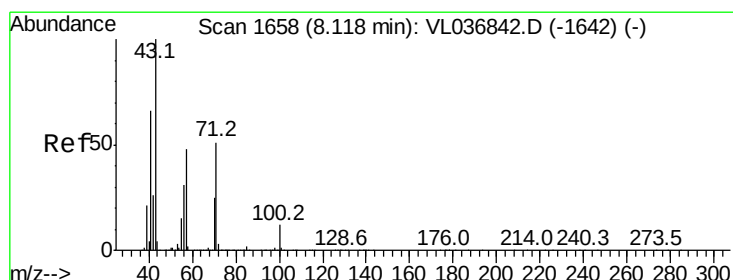
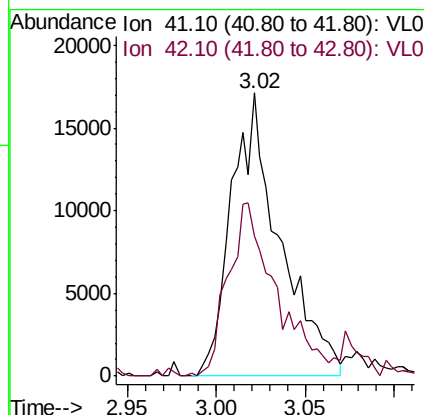
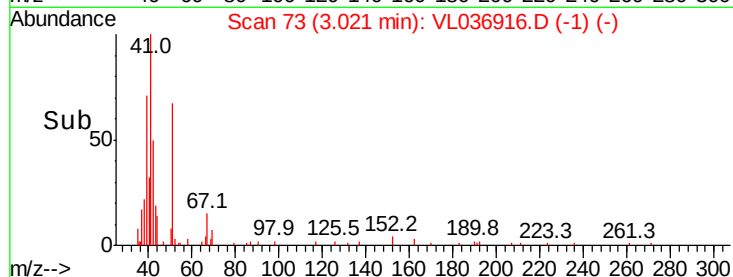
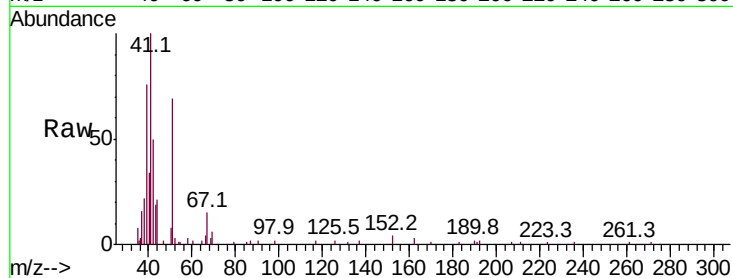
#9
 Propene
 Concen: 0.456 ppbv m
 RT: 3.02 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion: 41 Resp: 32645
 Ion Ratio Lower Upper
 41 100
 42 0.0 56.0 84.0#

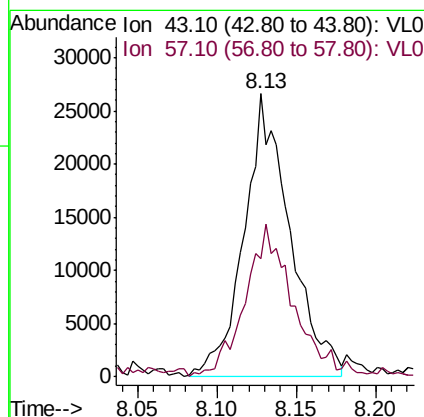
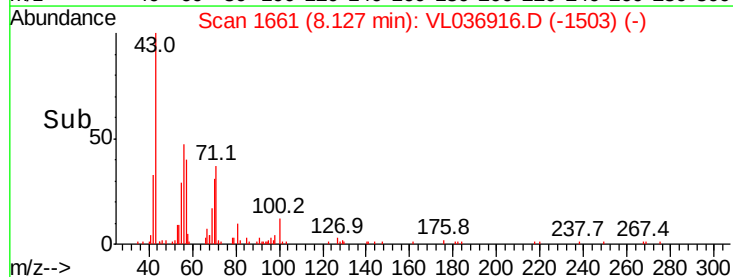
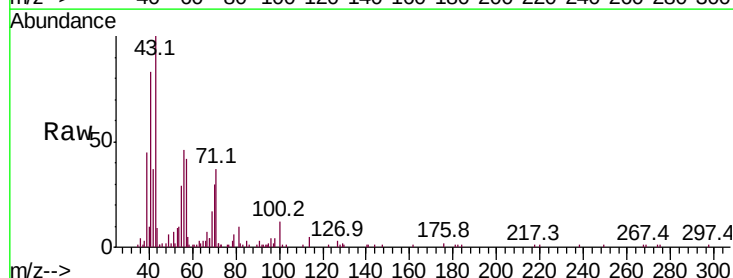
Manual Integrations
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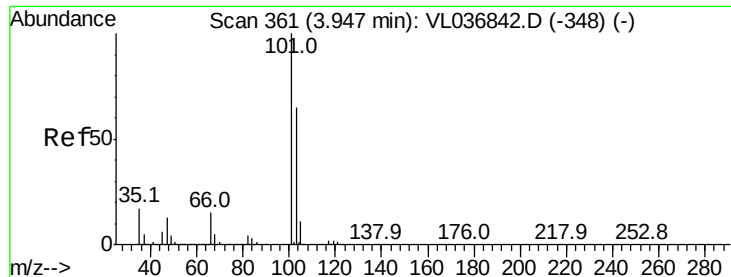
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#10
 Heptane
 Concen: 0.302 ppbv m
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion: 43 Resp: 54293
 Ion Ratio Lower Upper
 43 100
 57 0.0 38.8 58.2#





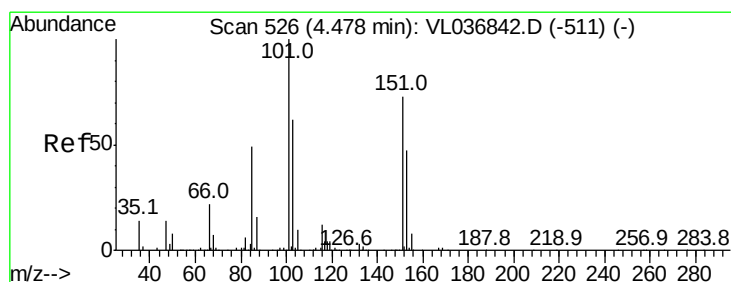
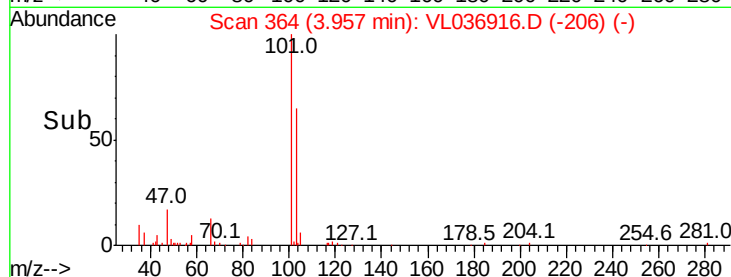
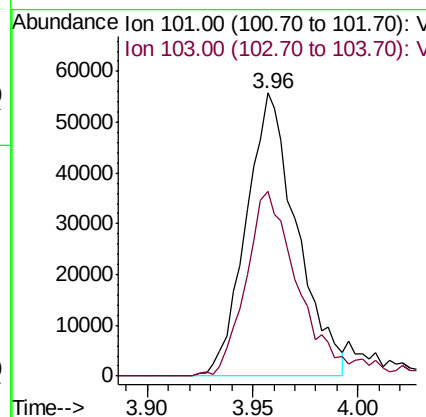
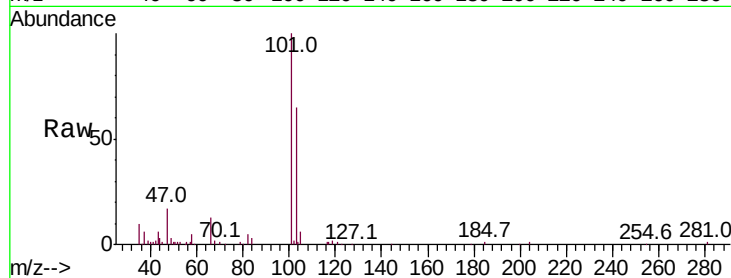
#11
 Trichlorofluoromethane
 Concen: 0.516 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion:101 Resp: 93601
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4

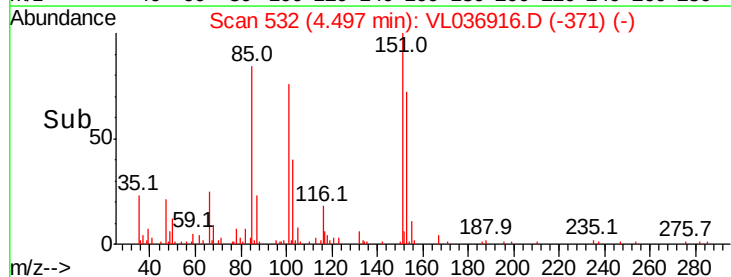
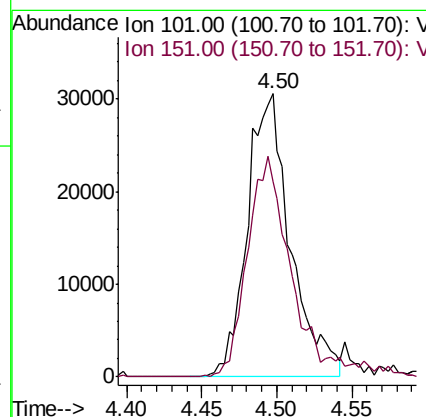
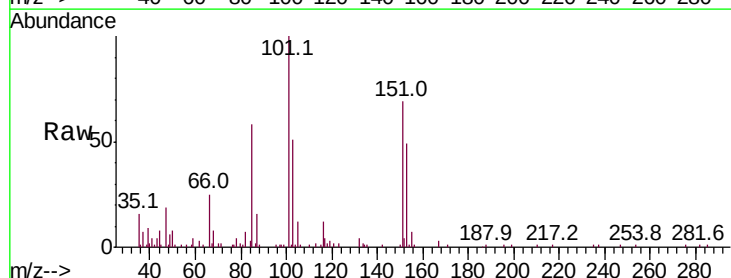
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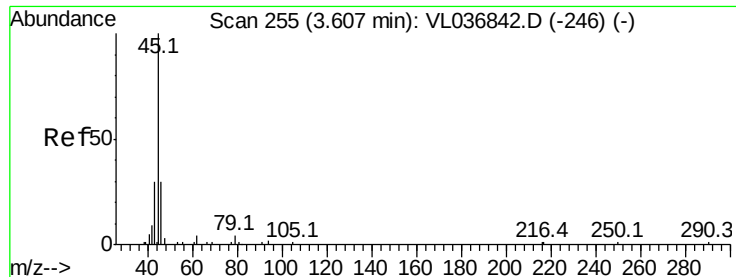
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.504 ppbv m
 RT: 4.50 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion:101 Resp: 61086
 Ion Ratio Lower Upper
 101 100
 151 81.1 61.1 91.7





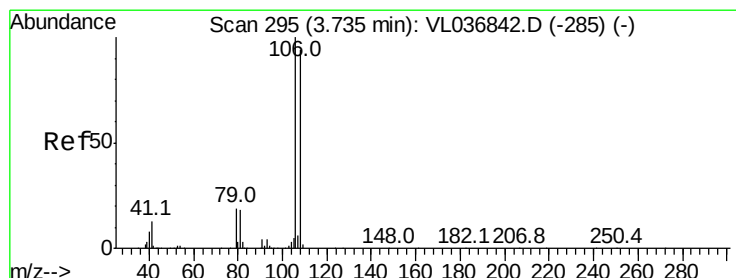
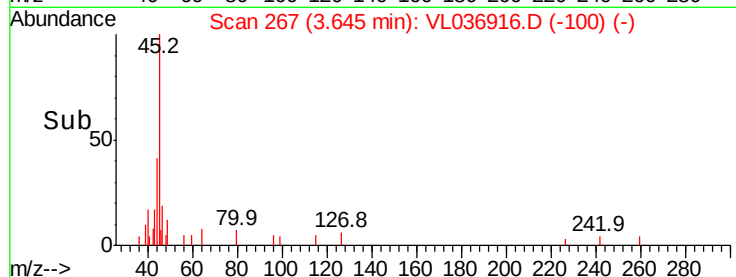
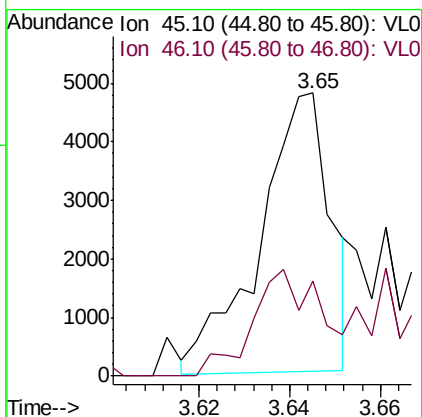
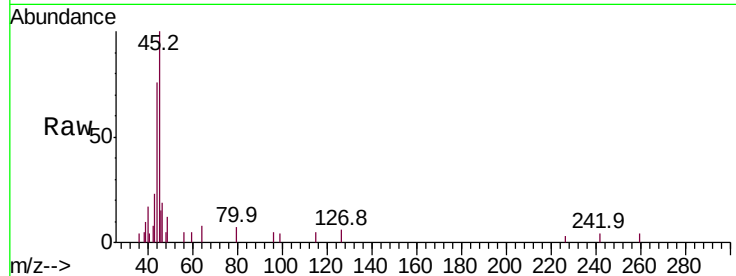
#13
Ethanol
Concen: 0.570 ppbv m
RT: 3.65 min Scan# 267
Delta R.T. 0.04 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion: 45 Resp: 5198
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#

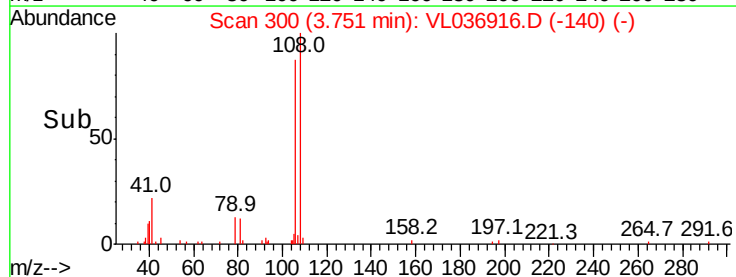
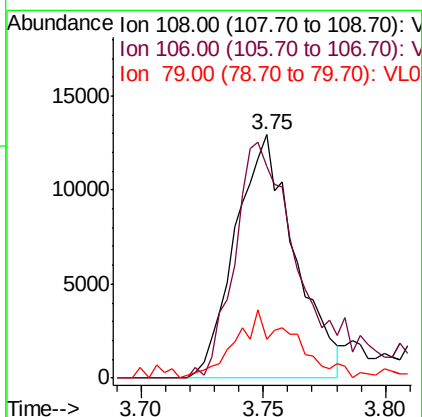
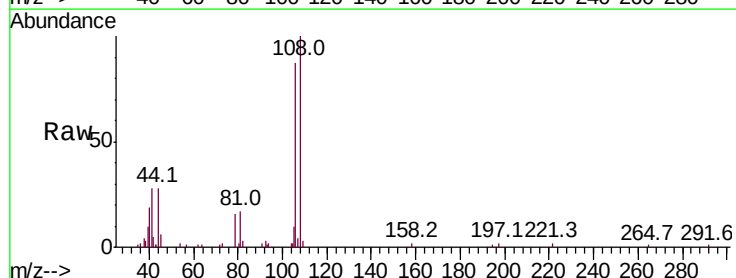
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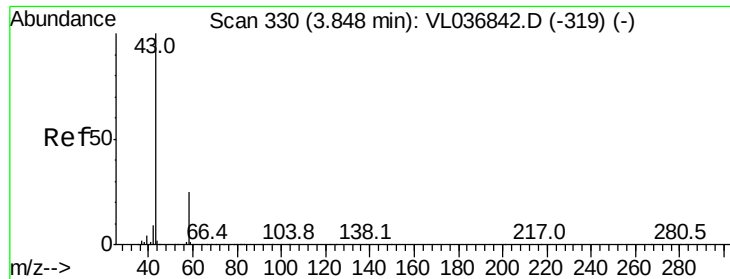
MMDadoda
5/10/2021 3:34:30 PM



#14
Bromoethene
Concen: 0.441 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion: 108 Resp: 21873
Ion Ratio Lower Upper
108 100
106 119.5 88.5 132.7
79 30.4 17.9 26.9#





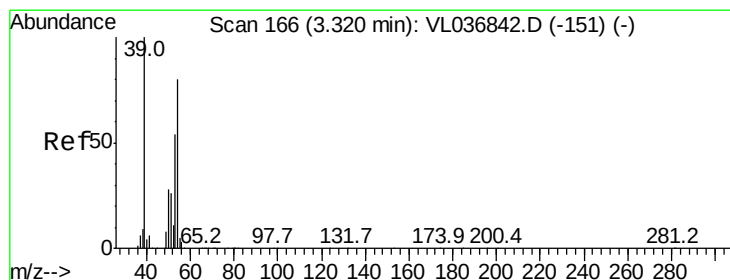
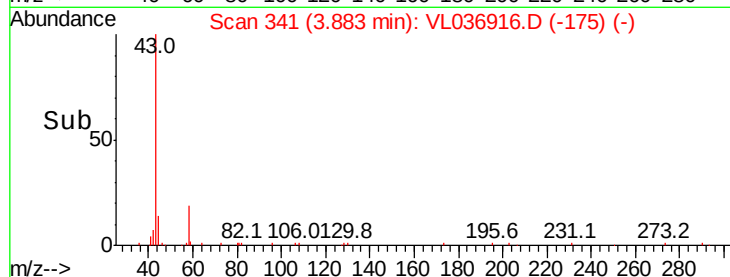
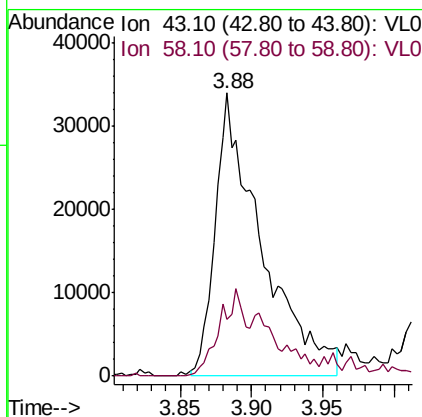
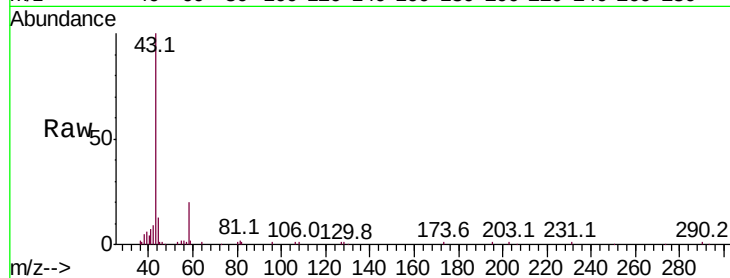
#15
Acetone
Concen: 0.631 ppbv m
RT: 3.88 min Scan# 341
Delta R.T. 0.04 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion: 43 Resp: 76652
Ion Ratio Lower Upper
43 100
58 35.6 21.7 32.5#

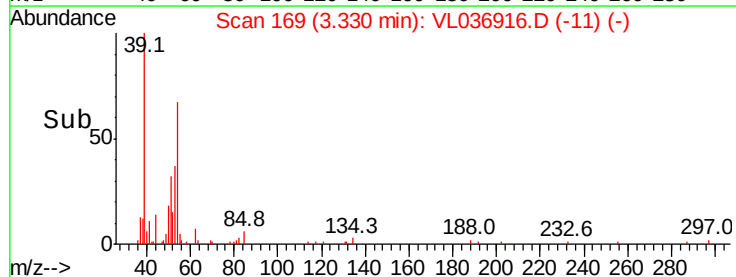
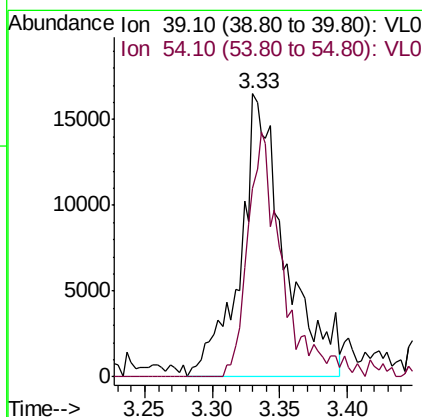
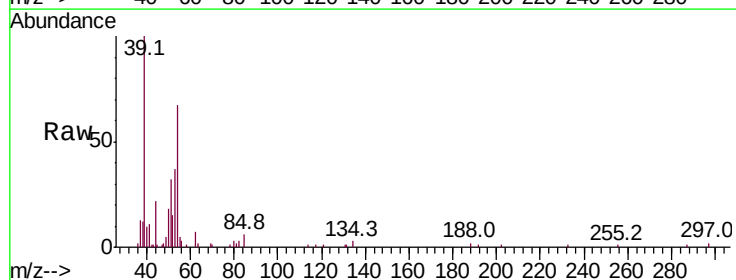
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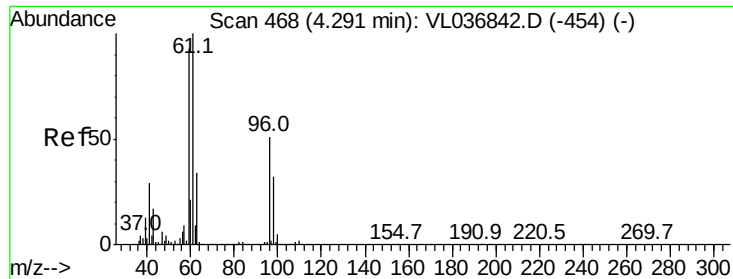
MMDadoda
5/10/2021 3:34:30 PM



#16
1,3-Butadiene
Concen: 0.492 ppbv m
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion: 39 Resp: 38247
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#





#17

tert-Butyl alcohol

Concen: 0.484 ppbv m

RT: 4.36 min Scan# 488

Delta R.T. 0.06 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

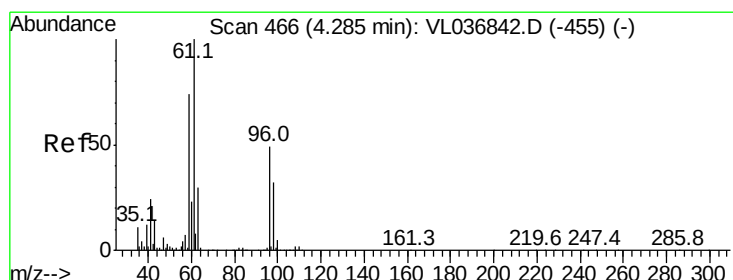
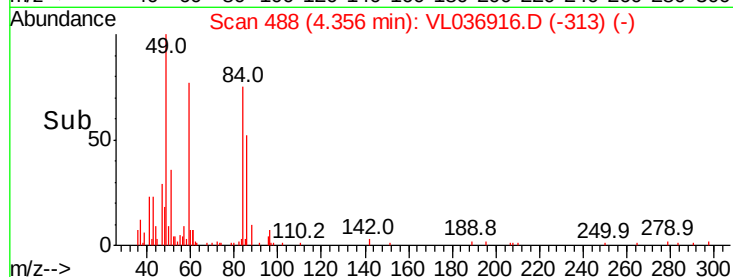
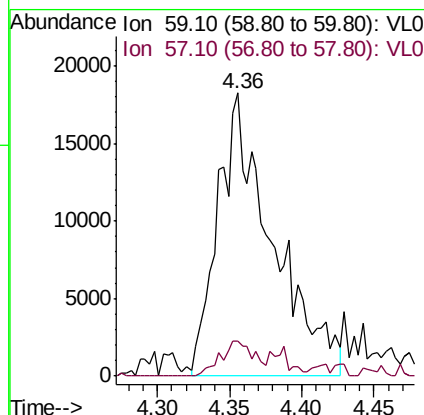
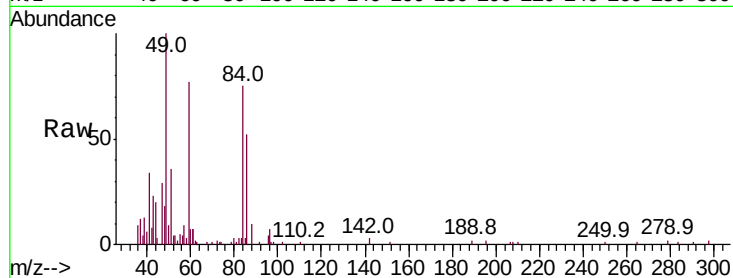
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 59 Resp: 47721
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

Manual Integrations
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#18

1,1-Dichloroethene

Concen: 0.468 ppbv m

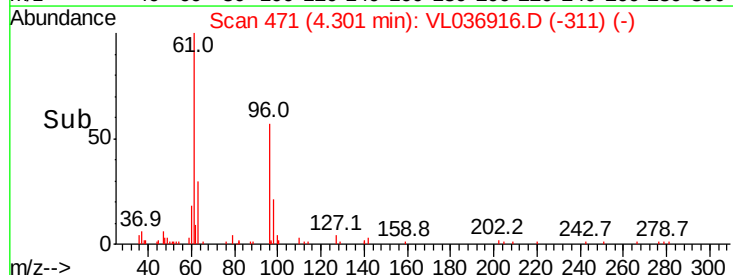
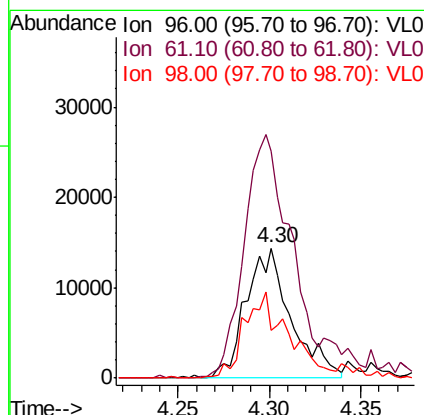
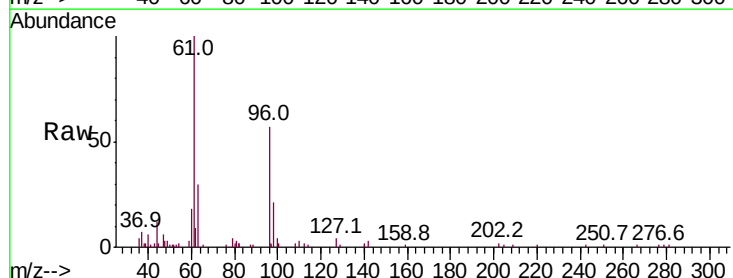
RT: 4.30 min Scan# 471

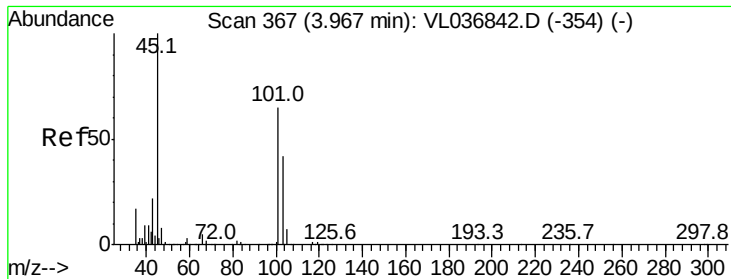
Delta R.T. 0.02 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion: 96 Resp: 24667
 Ion Ratio Lower Upper
 96 100
 61 174.7 162.2 243.2
 98 36.5 51.8 77.6#





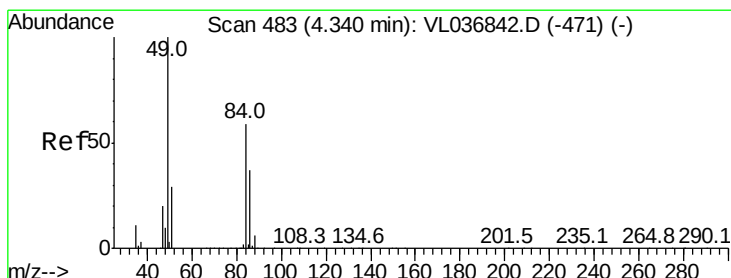
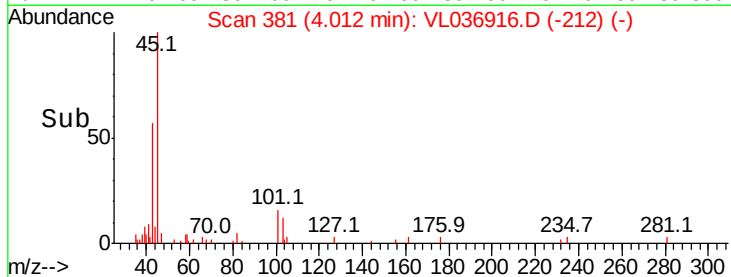
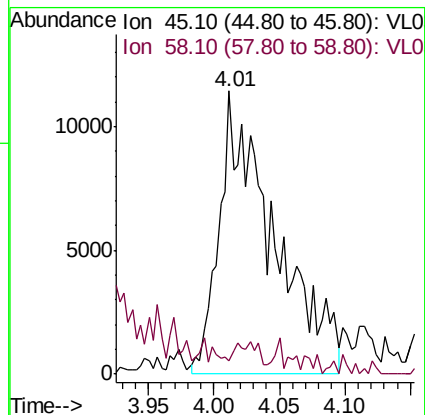
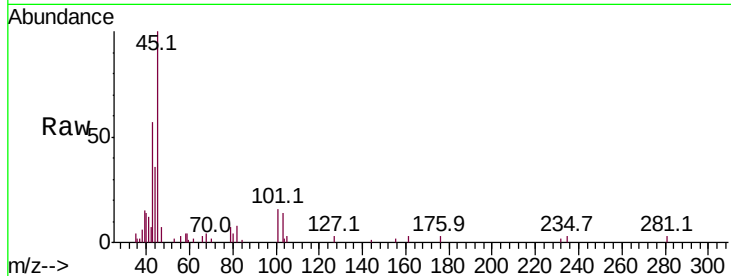
#19
Isopropyl Alcohol
Concen: 0.544 ppbv m
RT: 4.01 min Scan# 381
Delta R.T. 0.04 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion: 45 Resp: 32785
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#

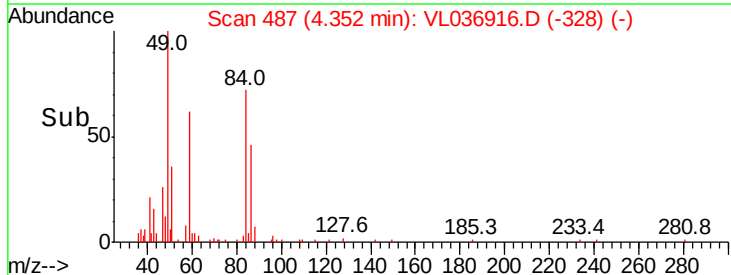
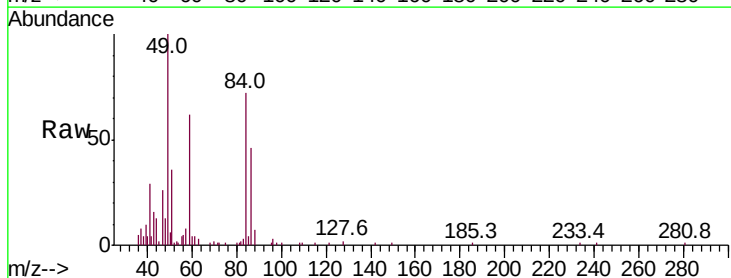
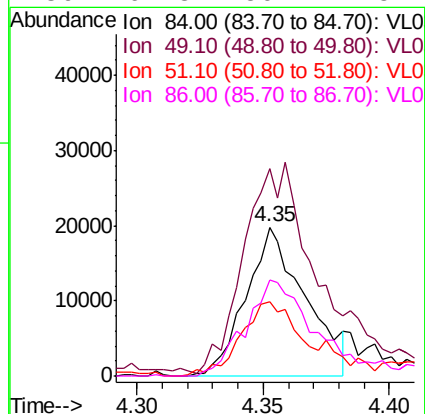
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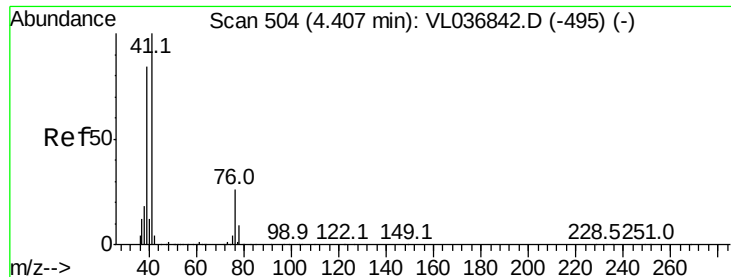
MMDadoda
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#20
Methylene Chloride
Concen: 0.556 ppbv m
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion: 84 Resp: 32323
Ion Ratio Lower Upper
84 100
49 139.2 135.4 203.0
51 50.2 39.3 58.9
86 64.3 50.2 75.2





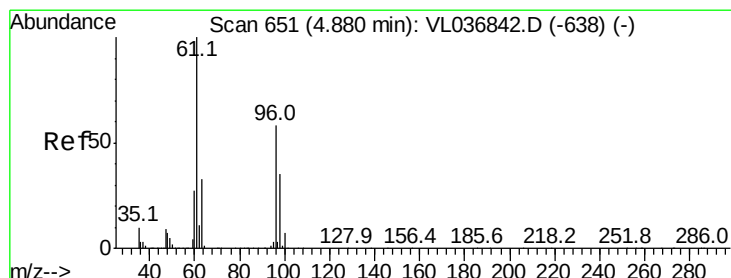
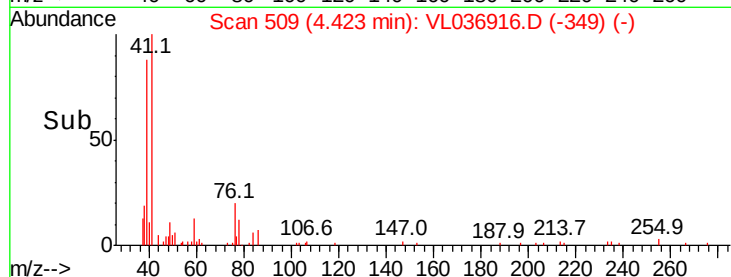
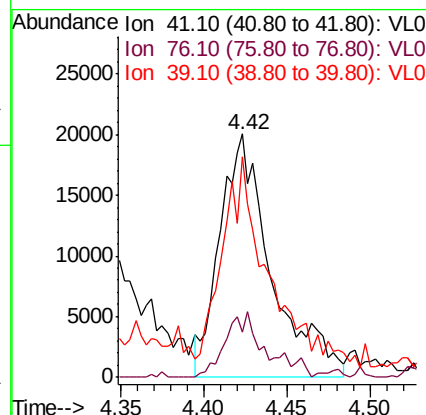
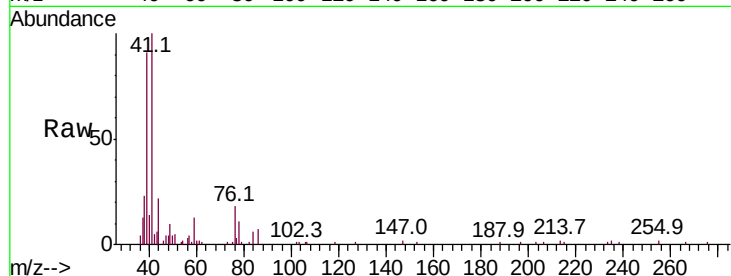
#21
Allvl Chloride
Concen: 0.479 ppbv m
RT: 4.42 min Scan# 509
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
41	100		
76	22.6	22.4	33.6
39	80.1	68.4	102.6

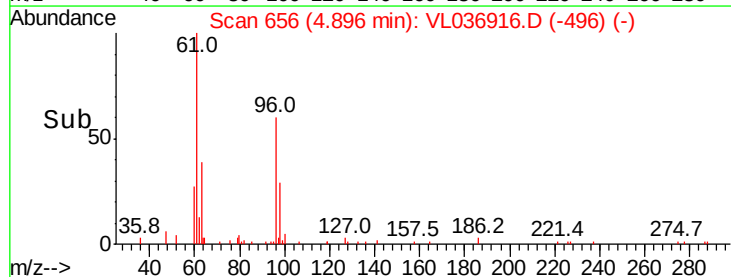
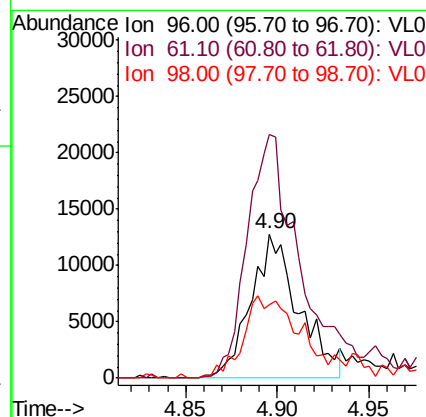
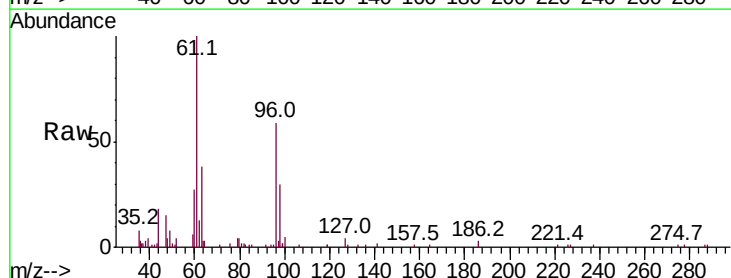
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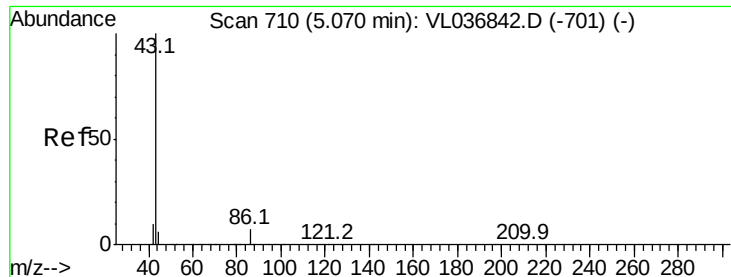
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.444 ppbv m
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	138.6	207.8
98	50.7	48.1	72.1





#23

Vinyl Acetate

Concen: 0.379 ppbv m

RT: 5.10 min Scan# 718

Delta R.T. 0.03 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

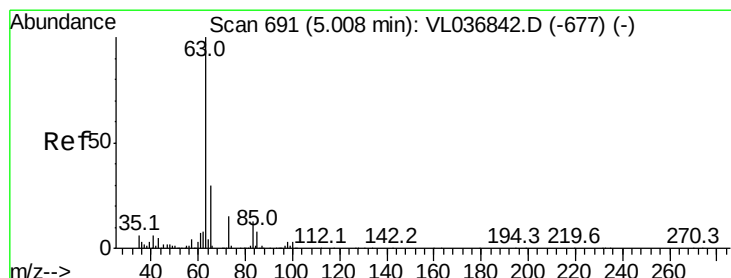
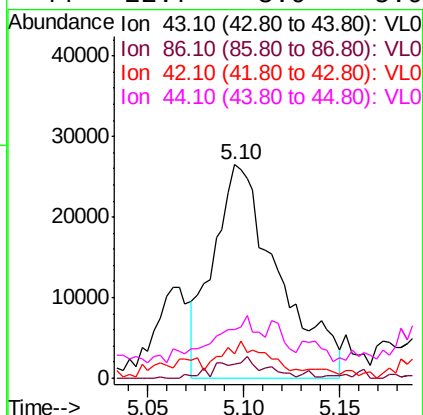
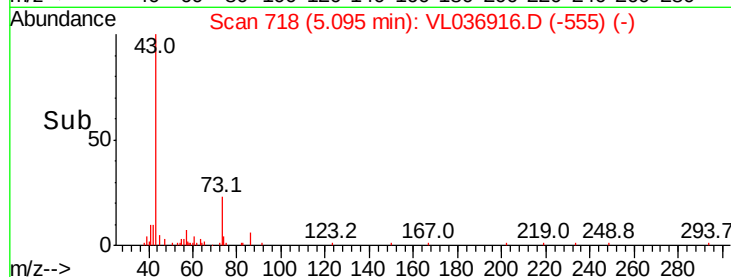
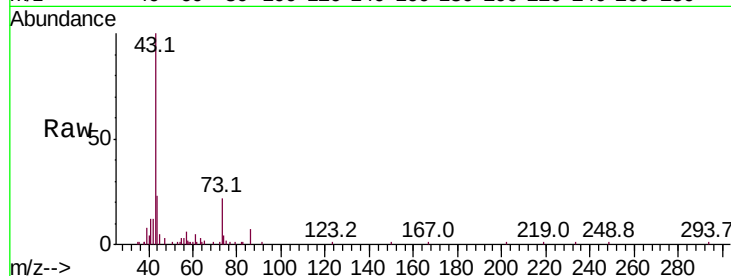
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	43	Resp	62672
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.3	7.9
42	11.6	8.7	13.1
44	22.7	3.9	5.9#

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5/10/2021 3:34:30 PM



#24

1,1-Dichloroethane

Concen: 0.658 ppbv m

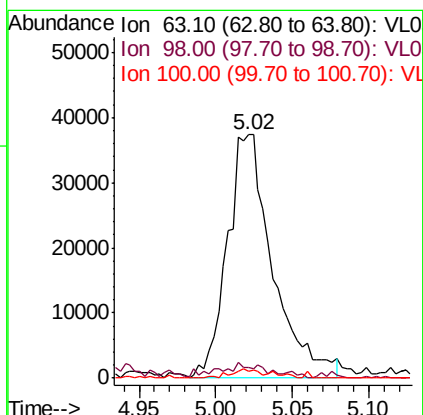
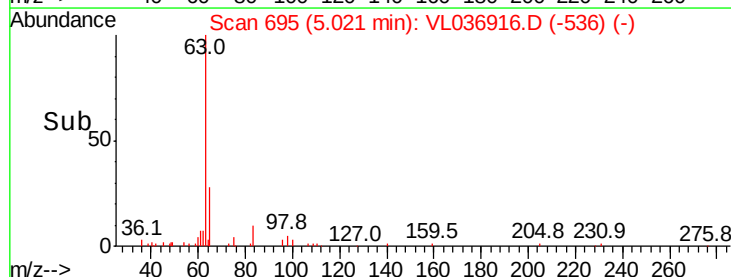
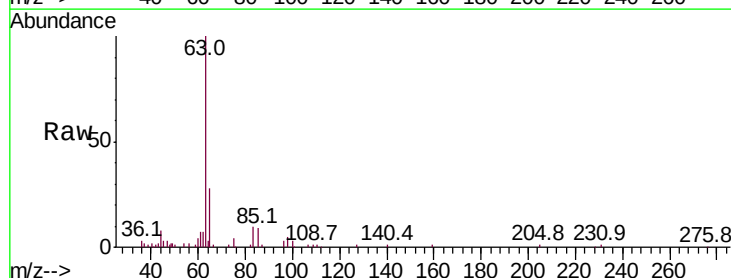
RT: 5.02 min Scan# 695

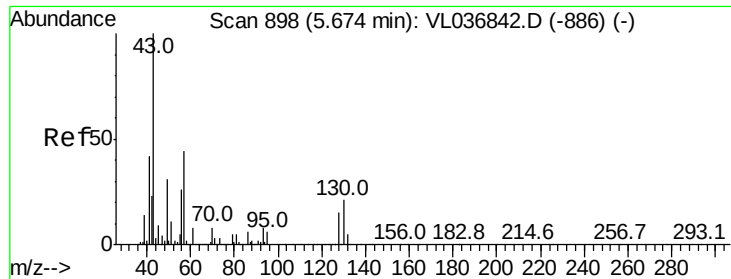
Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion	63	Resp	77220
Ion	Ratio	Lower	Upper
63	100		
98	4.6	1.7	5.1
100	2.9	1.3	3.8





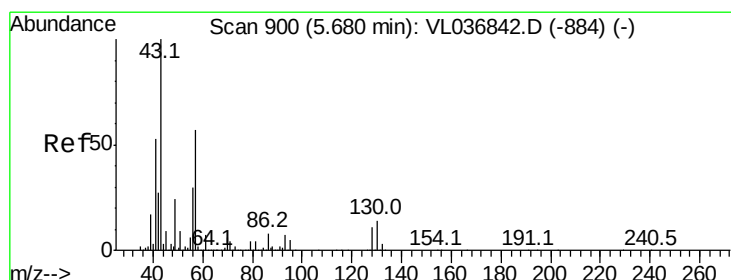
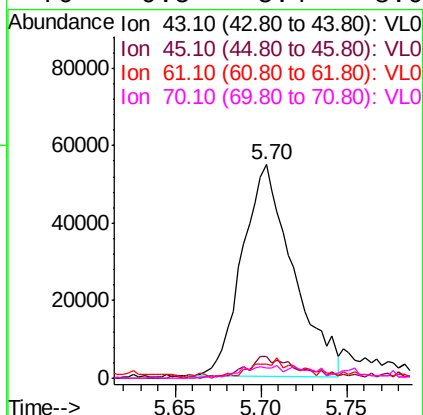
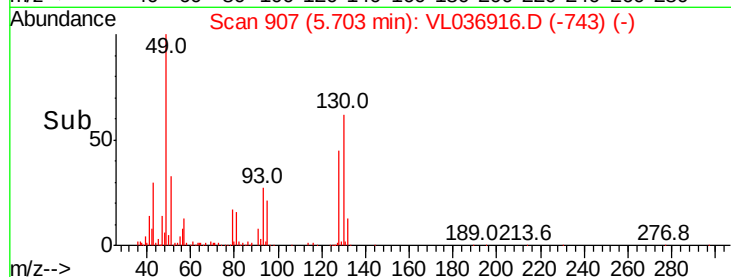
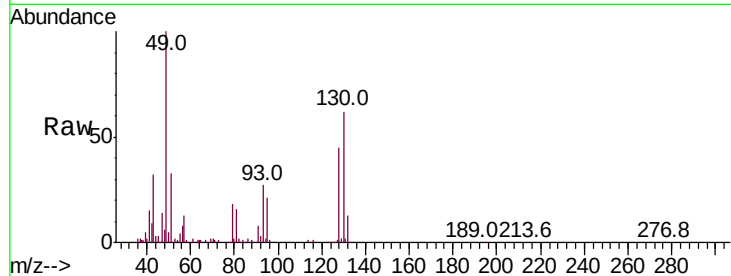
#25
Ethyl Acetate
Concen: 0.378 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
43	100		
45	11.4	7.8	11.8
61	11.0	7.4	11.0
70	9.5	5.4	8.0#

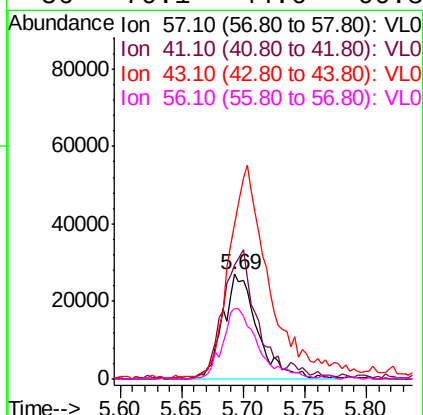
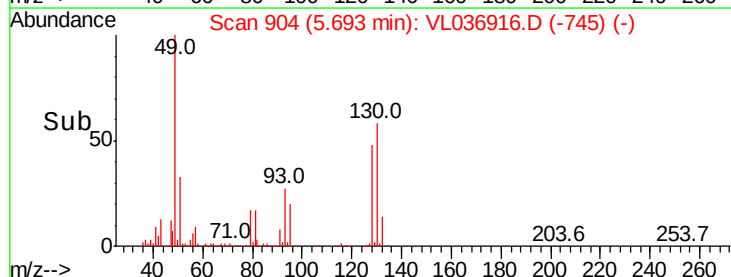
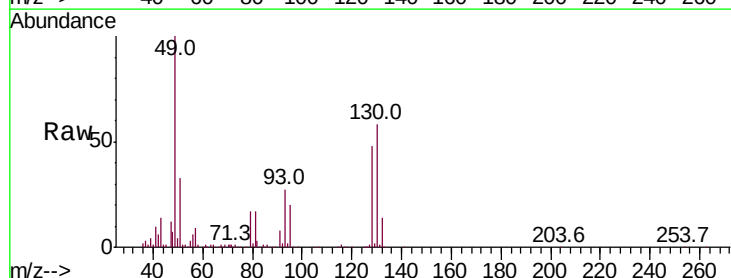
Manual Integrations
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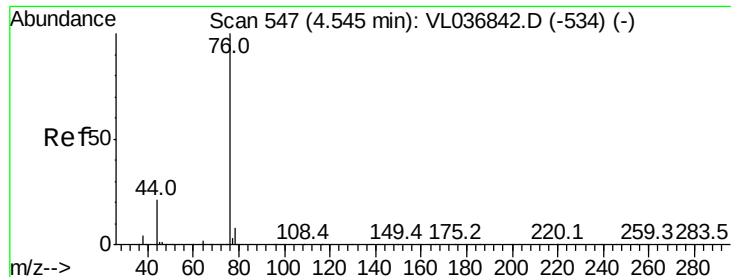
MMDadoda
5/10/2021 3:34:30 PM



#26
Hexane
Concen: 0.384 ppbv m
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	126.0	77.7	116.5#
43	245.7	180.5	270.7
56	70.1	44.6	66.8#





#27

Carbon Disulfide

Concen: 0.459 ppbv m

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

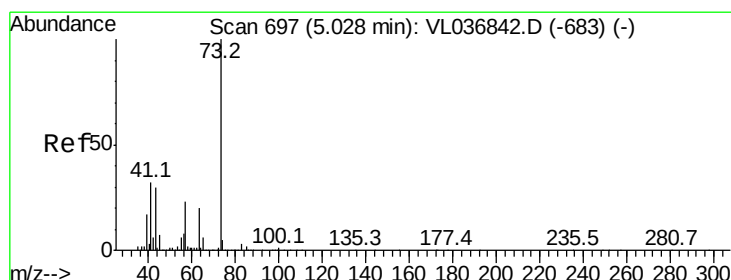
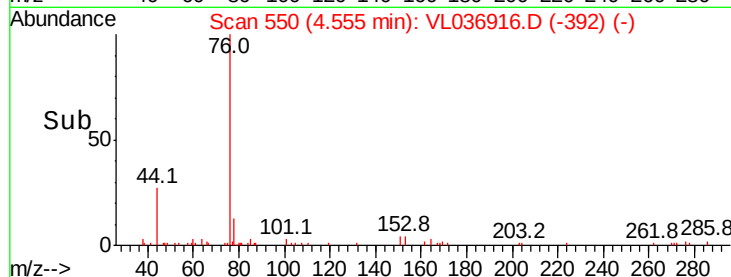
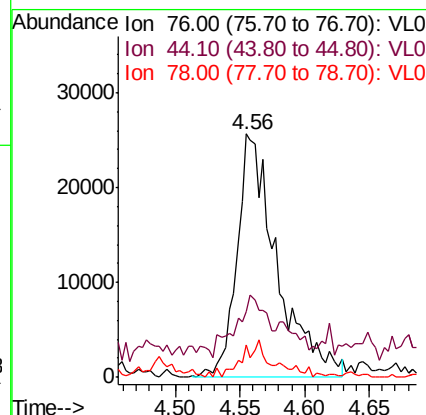
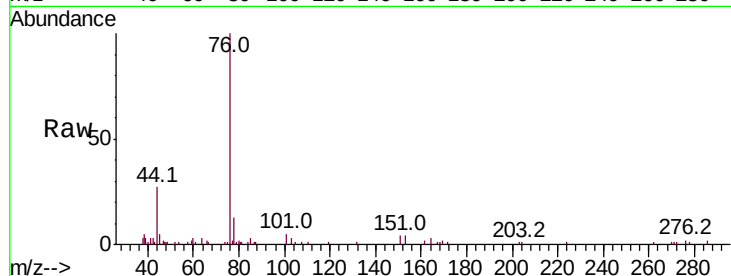
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	76	Resp:	55340
Ion Ratio	Lower	Upper	
76	100		
44	36.8	16.9	25.3#
78	11.6	7.9	11.9

Manual Integrations
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5/10/2021 3:34:30 PM



#28

Methyl tert-Butyl Ether

Concen: 0.464 ppbv m

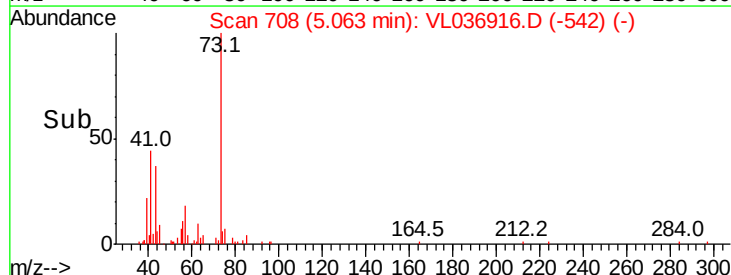
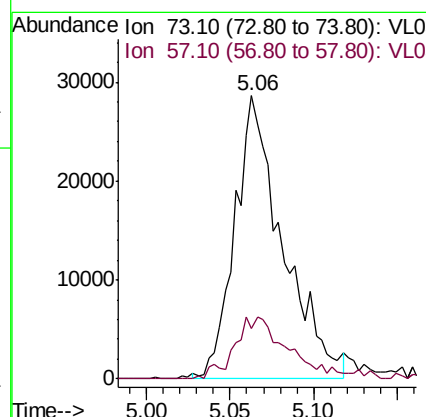
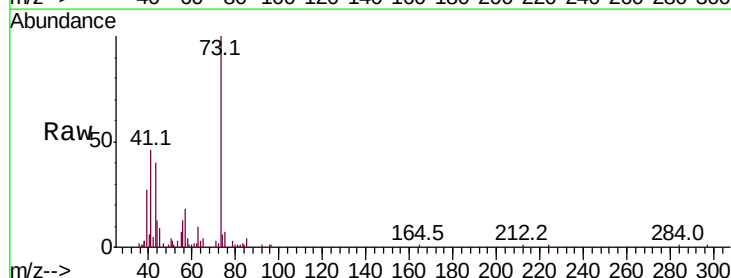
RT: 5.06 min Scan# 708

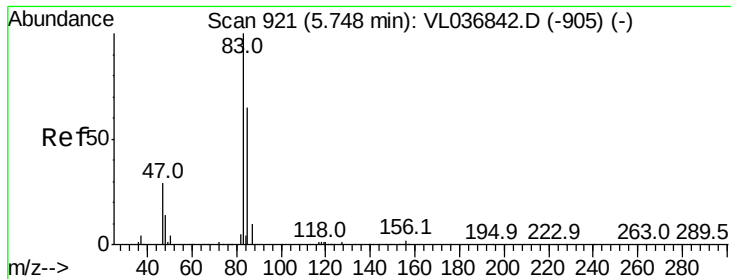
Delta R.T. 0.04 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion:	73	Resp:	57101
Ion Ratio	Lower	Upper	
73	100		
57	24.3	19.0	28.6





#29

Chloroform

Concen: 0.518 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 83 Resp: 112066

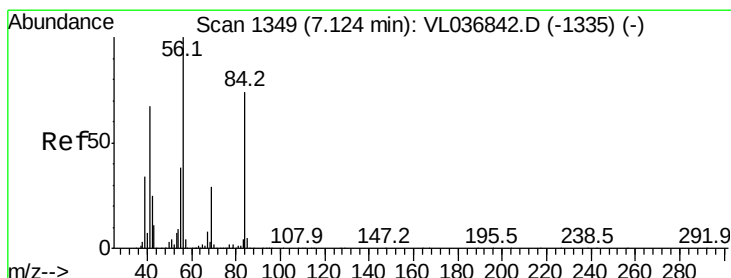
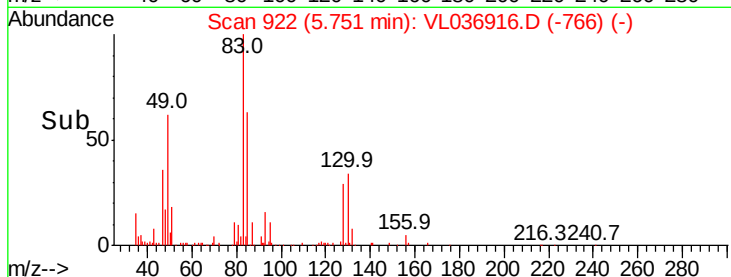
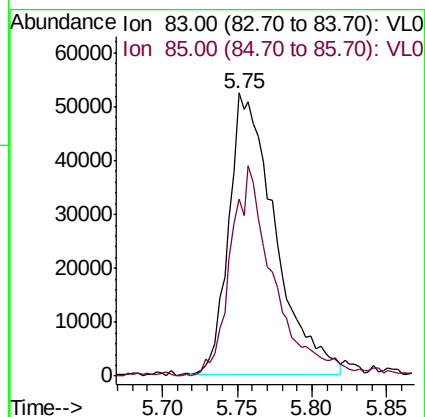
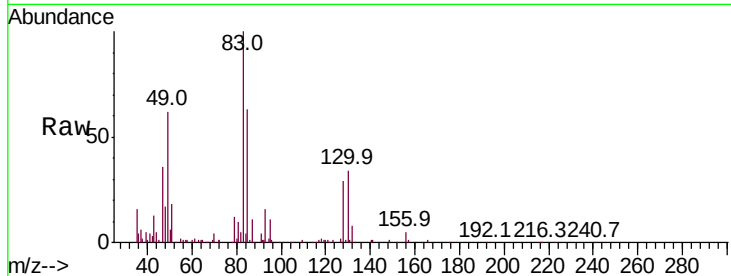
Ion Ratio Lower Upper

83 100

85 63.0 52.2 78.4

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#30

Cyclohexane

Concen: 0.503 ppbv m

RT: 7.14 min Scan# 1355

Delta R.T. 0.02 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

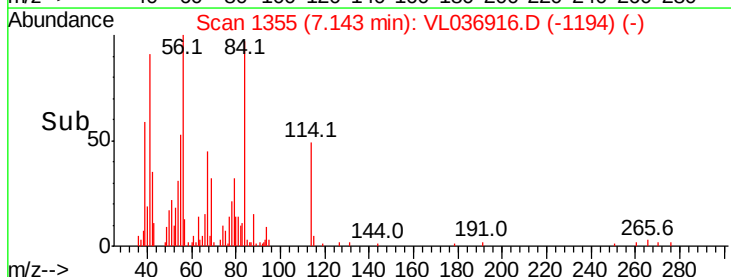
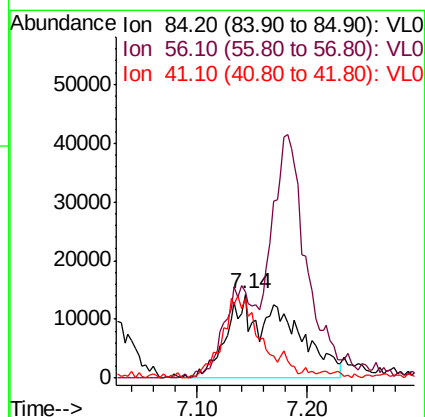
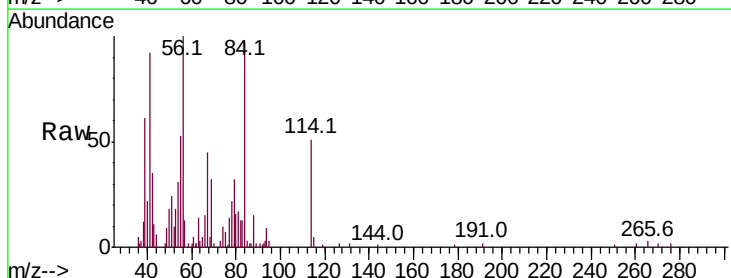
Tgt Ion: 84 Resp: 55408

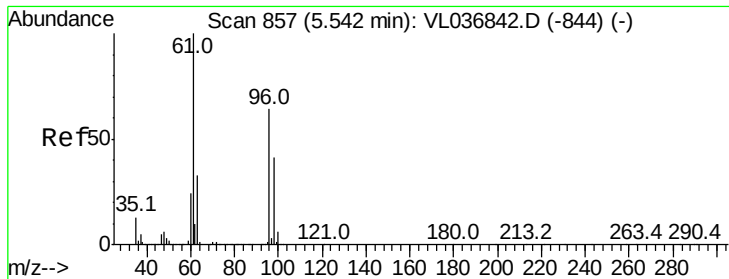
Ion Ratio Lower Upper

84 100

56 0.0 115.8 173.6#

41 0.0 74.6 111.8#





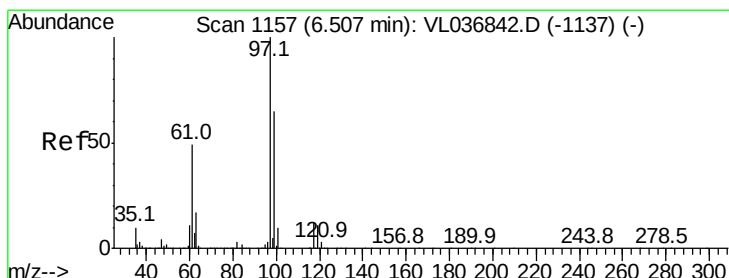
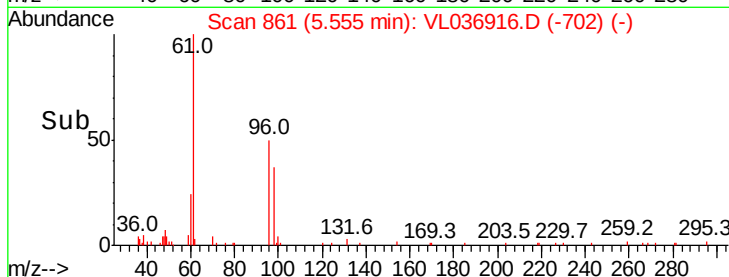
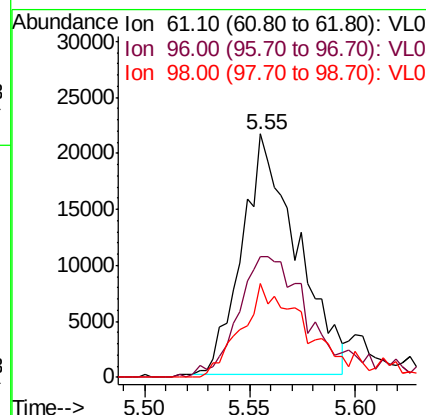
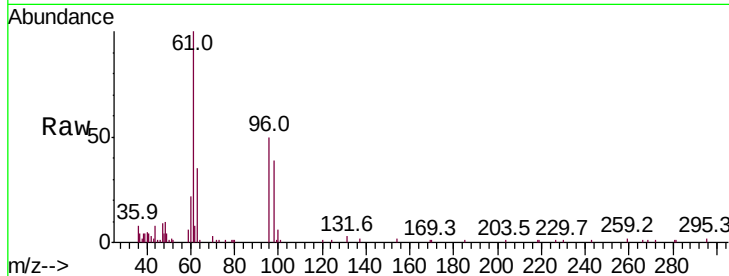
#31
 cis-1,2-Dichloroethene
 Concen: 0.314 ppbv
 RT: 5.55 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	49.1	51.0	76.6#	
98	39.1	32.7	49.1	

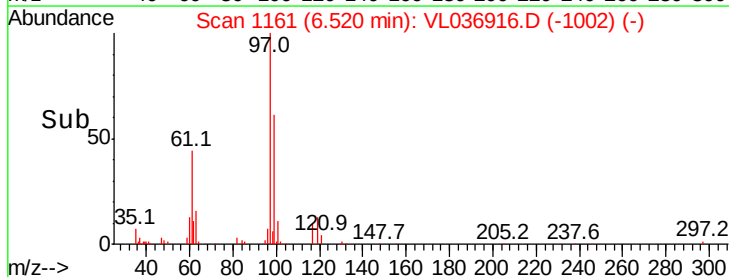
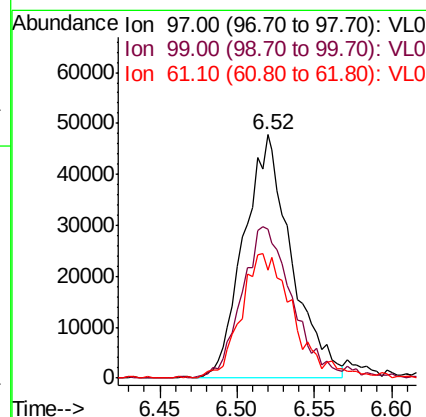
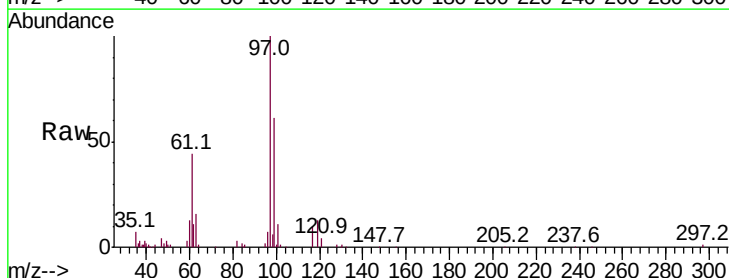
Manual Integrations
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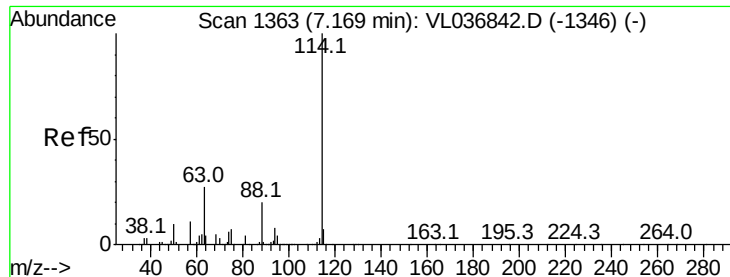
MMDadoda
 5/10/2021 3:34:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.465 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	67.6	51.8	77.6	
61	56.7	40.8	61.2	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

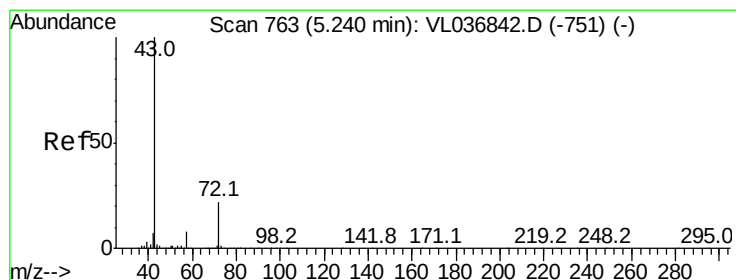
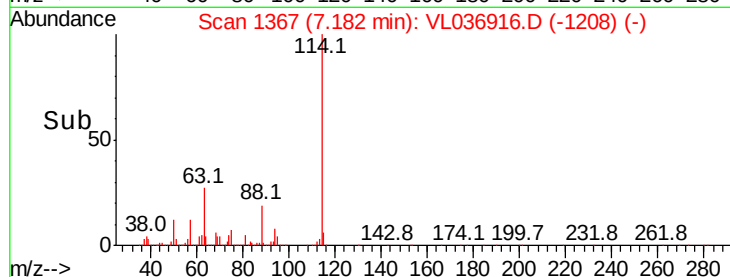
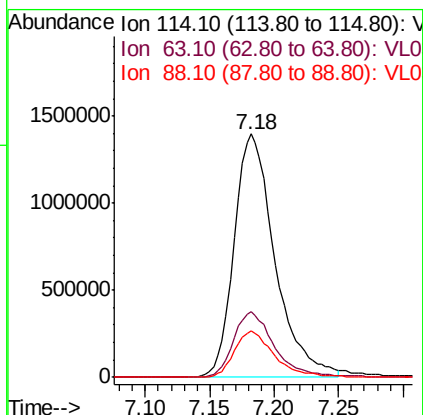
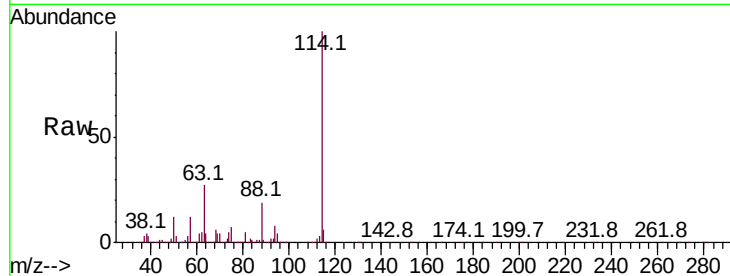
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.9	32.9
88	19.0	15.1	22.7

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#34

2-Butanone

Concen: 0.434 ppbv m

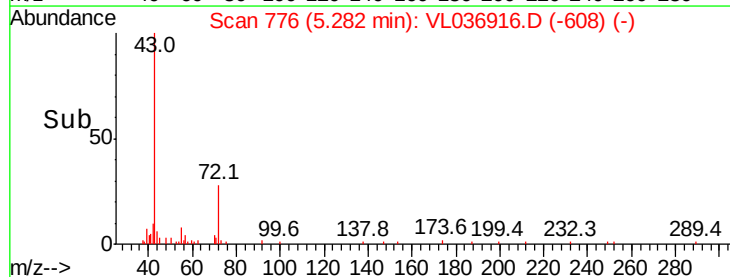
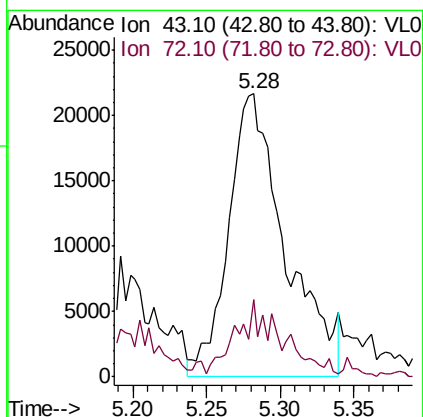
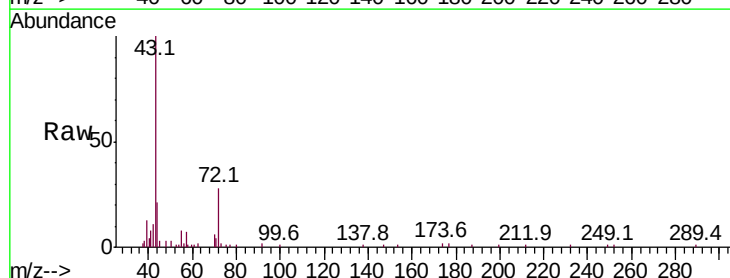
RT: 5.28 min Scan# 776

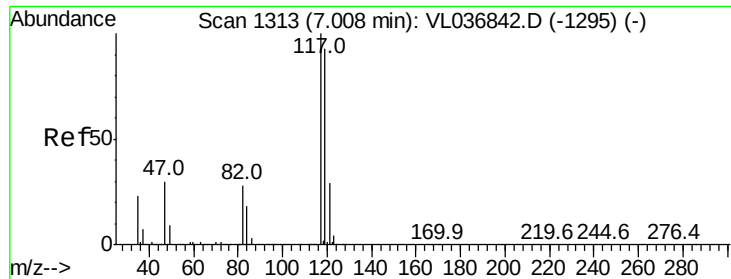
Delta R.T. 0.04 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.6	26.4#





#35

Carbon Tetrachloride

Concen: 0.543 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

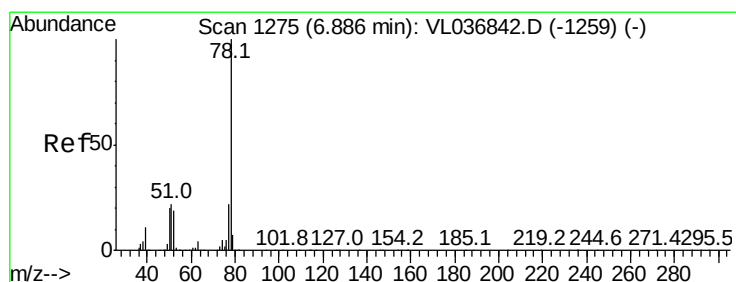
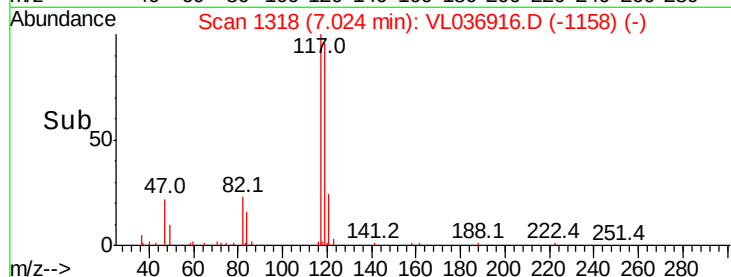
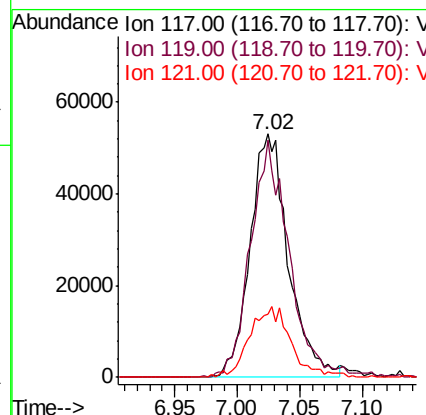
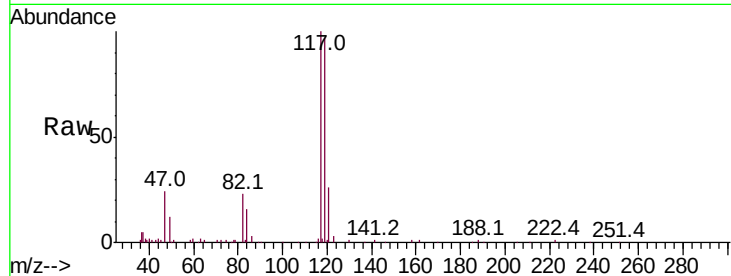
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	117	Resp:	113124
Ion Ratio	Lower	Upper	
117	100		
119	97.3	74.6	111.8
121	26.0	23.3	34.9

Manual Integrations
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#36

Benzene

Concen: 0.332 ppbv m

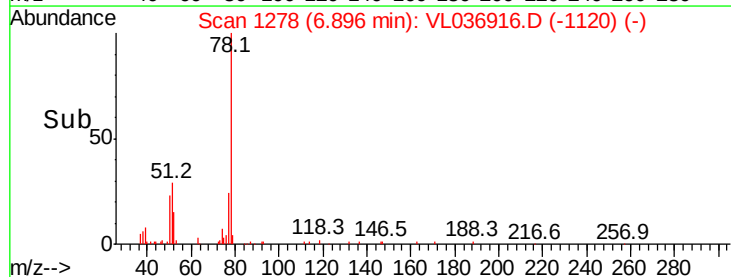
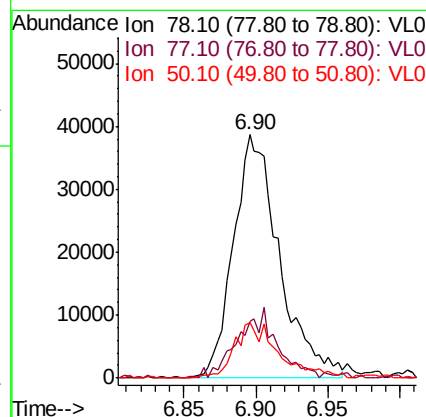
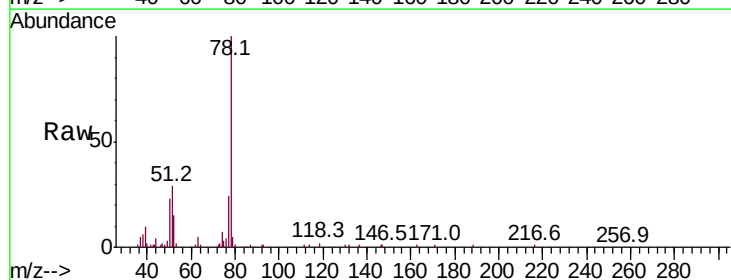
RT: 6.90 min Scan# 1278

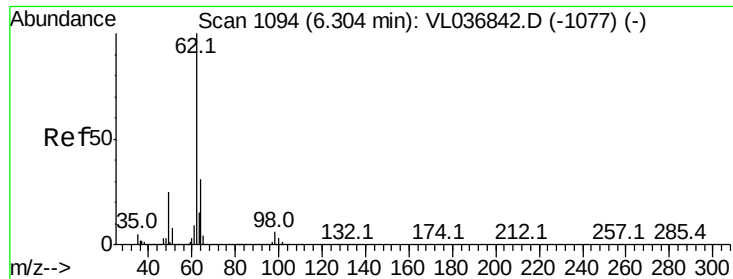
Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion:	78	Resp:	85967
Ion Ratio	Lower	Upper	
78	100		
77	23.5	17.6	26.4
50	23.0	16.3	24.5





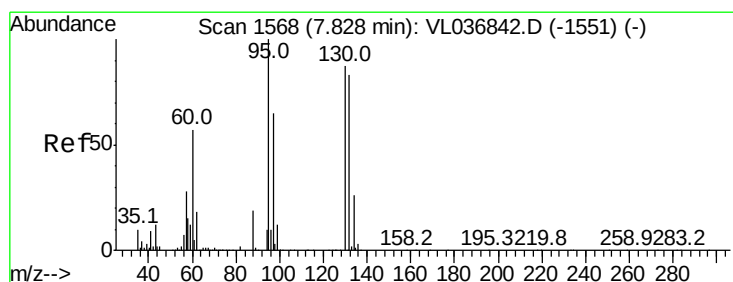
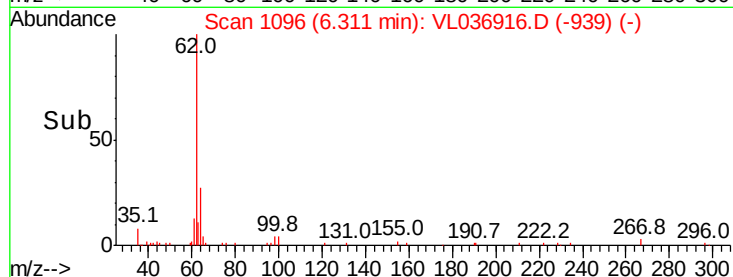
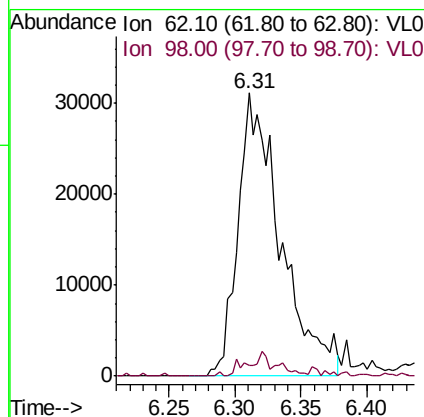
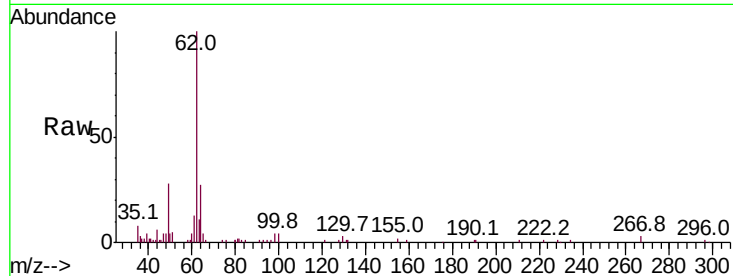
#37
 1,2-Dichloroethane
 Concen: 0.475 ppbv m
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.8	7.2

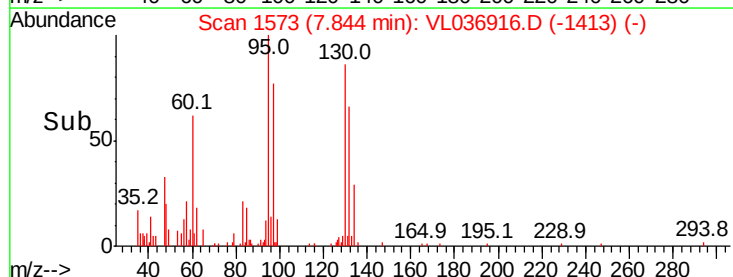
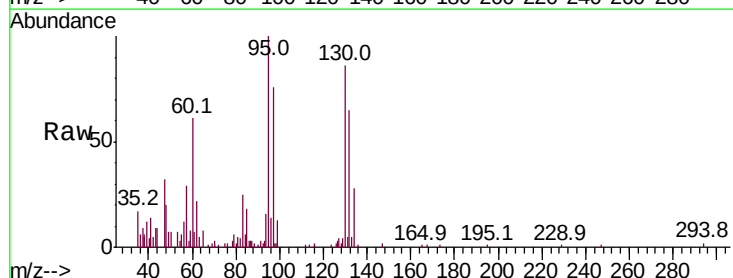
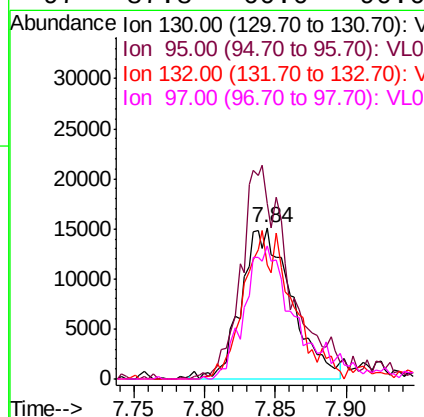
Manual Integrations
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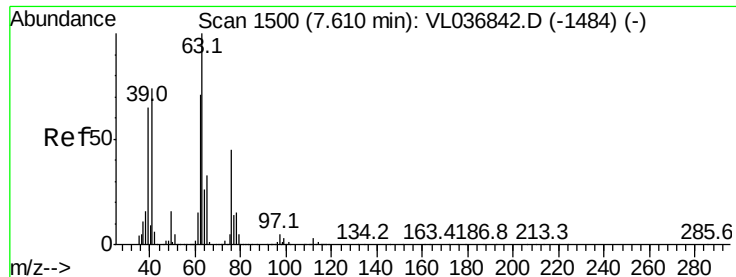
MMDadoda
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#38
 Trichloroethene
 Concen: 0.405 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.9	92.3	138.5
132	74.9	76.8	115.2
97	87.8	60.0	90.0





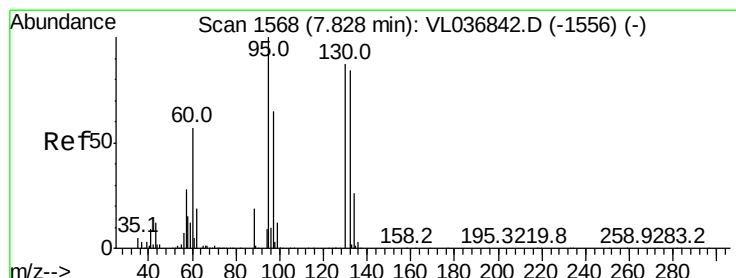
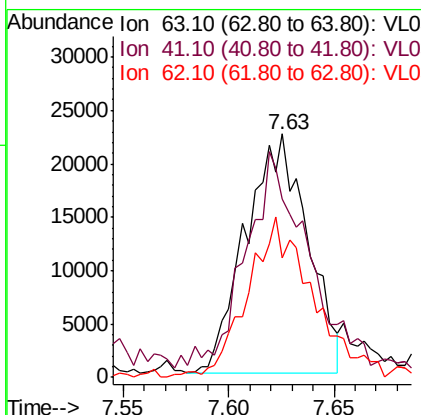
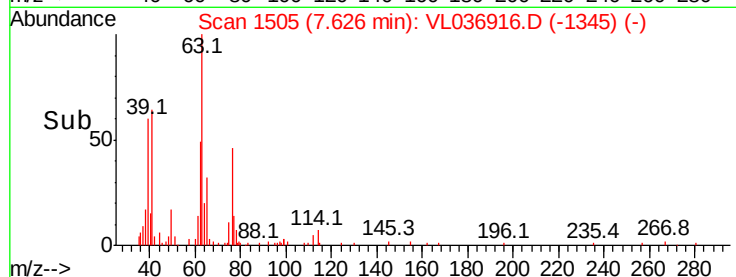
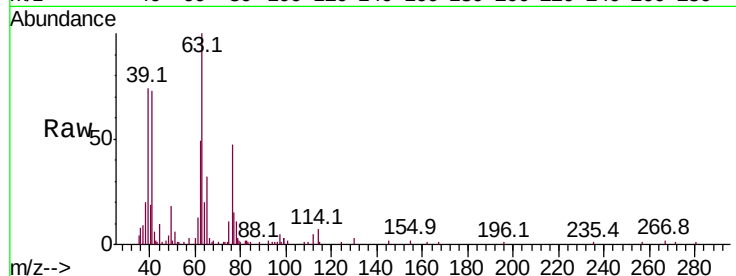
#39
 1,2-Dichloropropane
 Concen: 0.442 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. 0.02 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.2	59.1	88.7
62	47.7	56.9	85.3

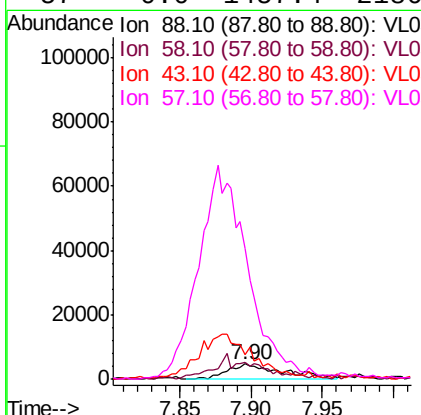
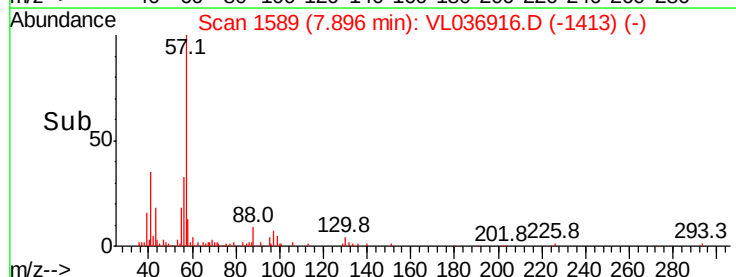
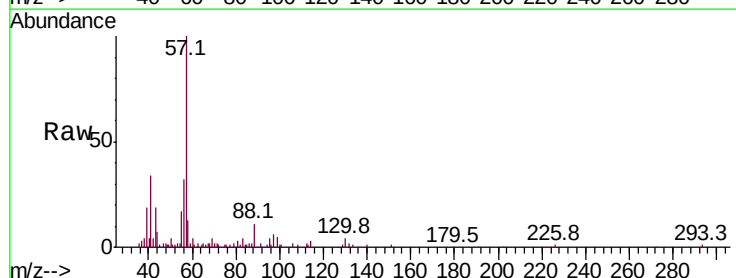
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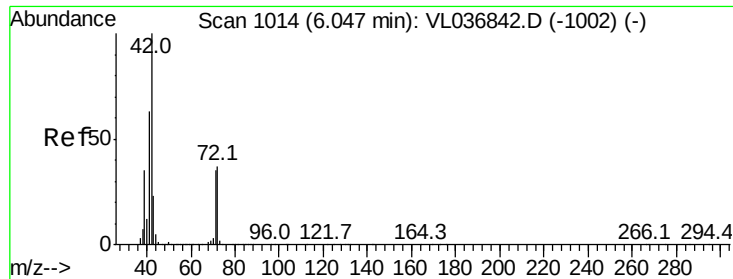
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.507 ppbv m
 RT: 7.90 min Scan# 1589
 Delta R.T. 0.07 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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





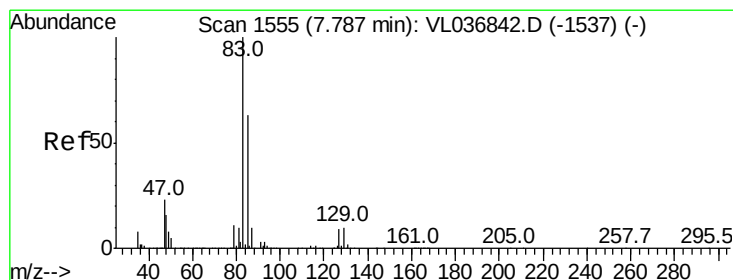
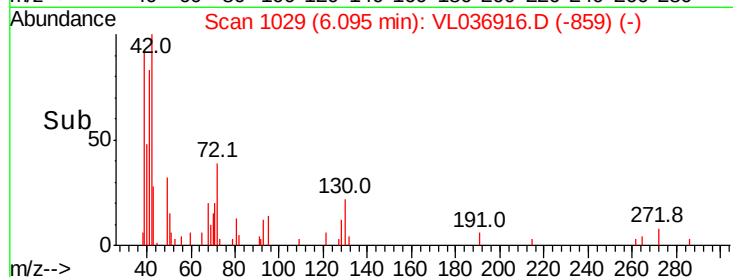
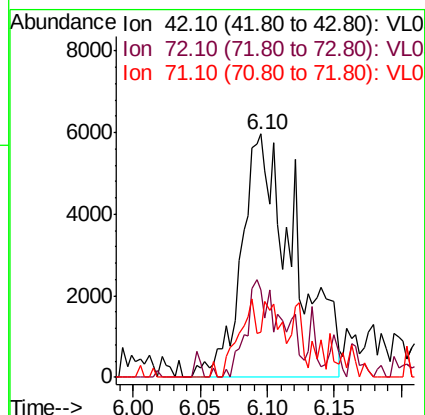
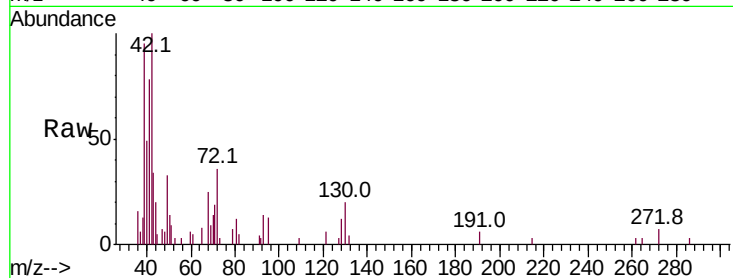
#41
Tetrahydrofuran
Concen: 0.279 ppbv m
RT: 6.10 min Scan# 1029
Delta R.T. 0.05 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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#

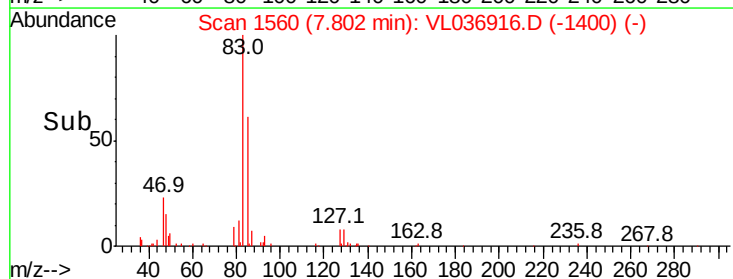
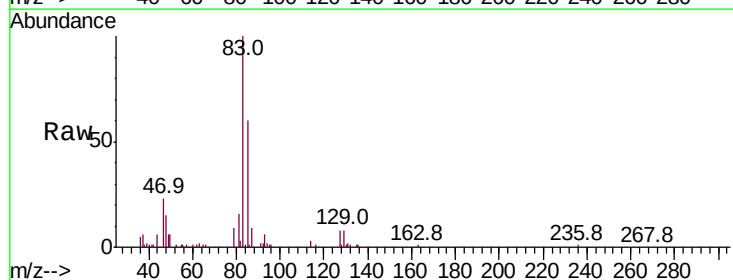
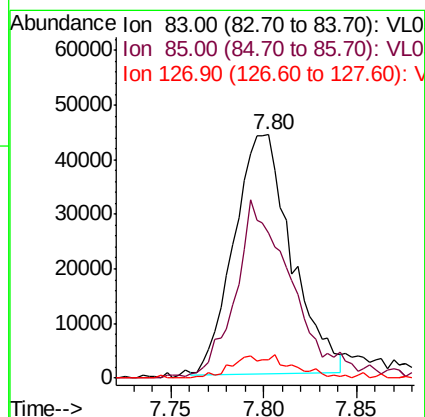
Manual Integrations
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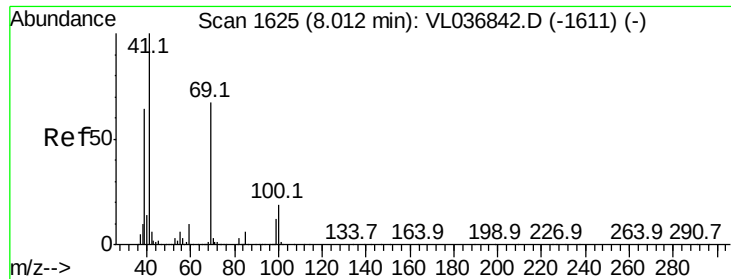
MMDadoda
5/10/2021 3:34:30 PM



#42
Bromodichloromethane
Concen: 0.466 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.3	50.4	75.6
127	7.7	6.9	10.3





#43

Methyl Methacrylate

Concen: 0.256 ppbv m

RT: 8.04 min Scan# 1634

Delta R.T. 0.03 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

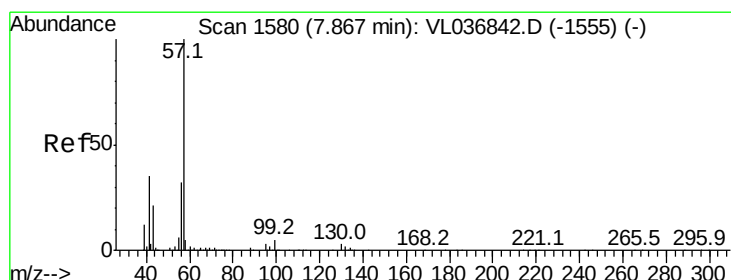
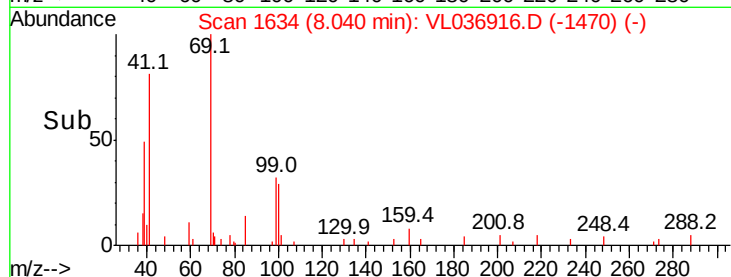
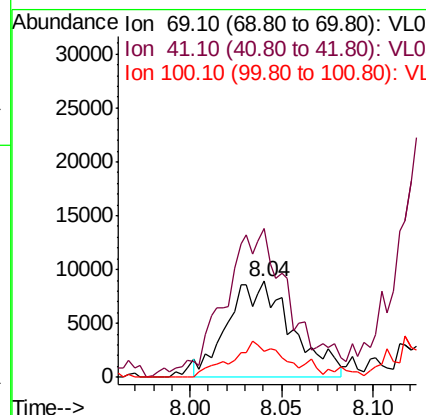
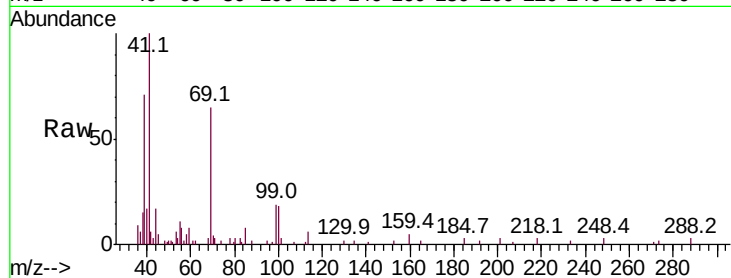
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	124.2	186.4#
100	36.1	25.5	38.3

Manual Integrations
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5/10/2021 3:34:30 PM



#44

2,2,4-Trimethylpentane

Concen: 0.362 ppbv m

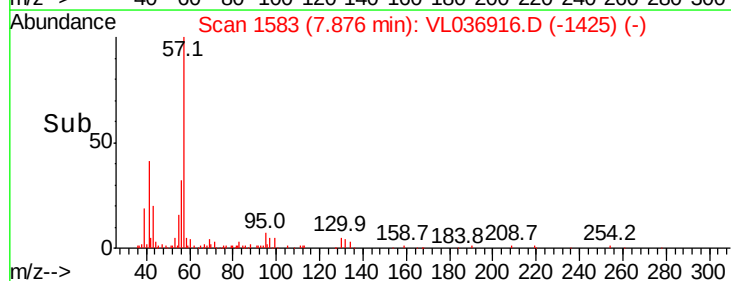
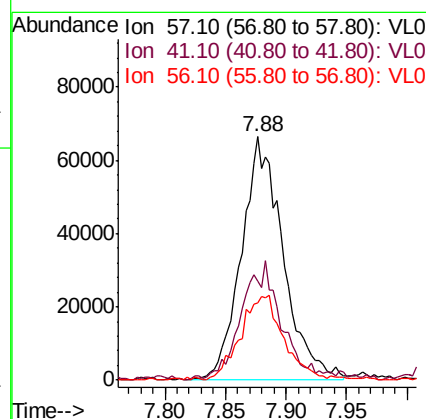
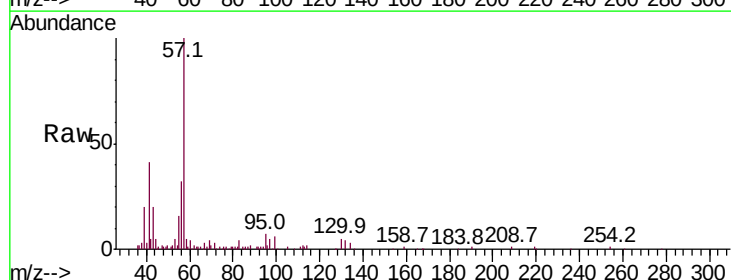
RT: 7.88 min Scan# 1583

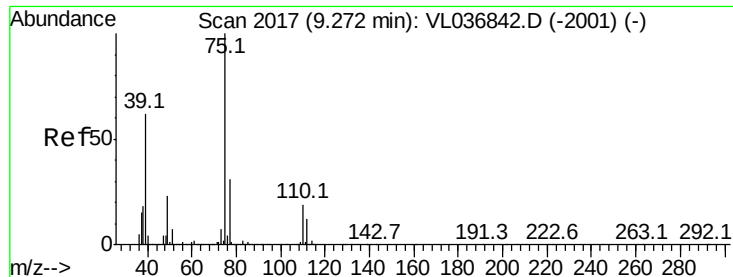
Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	48.0	28.2	42.4#
56	37.2	25.9	38.9





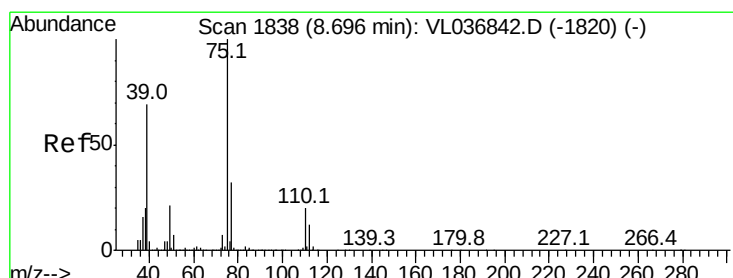
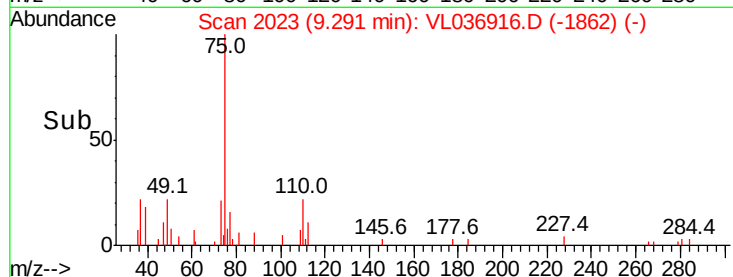
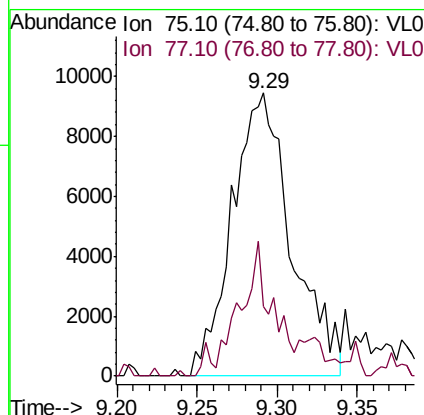
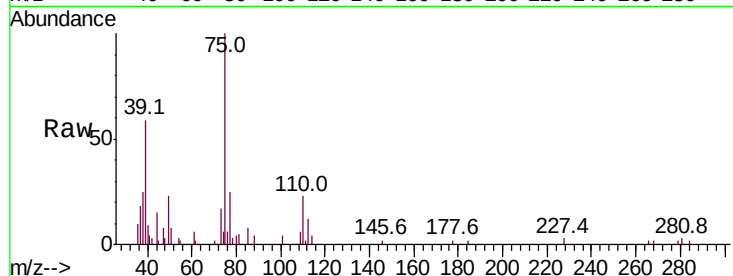
#45
t-1,3-Dichloropropene
Concen: 0.265 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	24.8	24.6	37.0

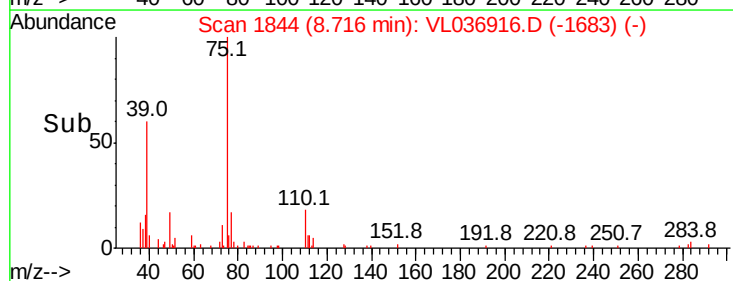
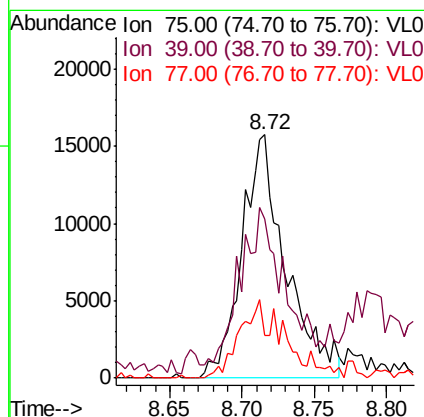
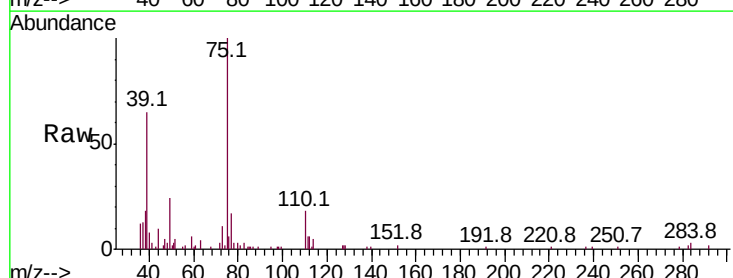
Manual Integrations
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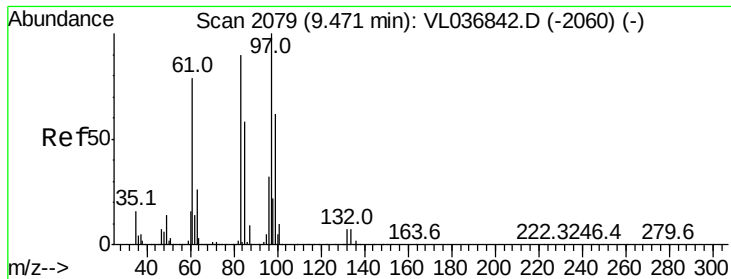
MMDadoda
5/10/2021 3:34:30 PM



#46
cis-1,3-Dichloropropene
Concen: 0.286 ppbv m
RT: 8.72 min Scan# 1844
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
39	65.5	55.4	83.0
77	17.3	25.2	37.8#





#47

1,1,2-Trichloroethane

Concen: 0.463 ppbv m

RT: 9.48 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

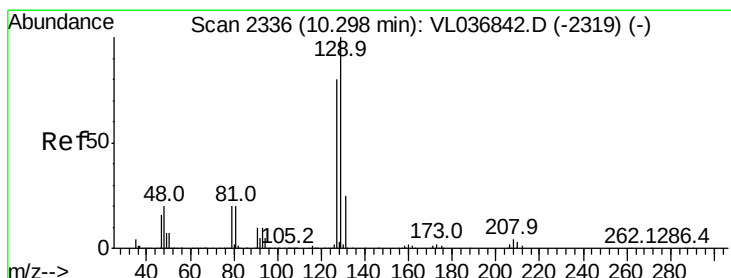
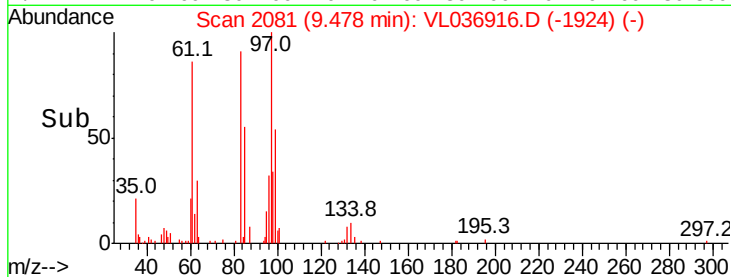
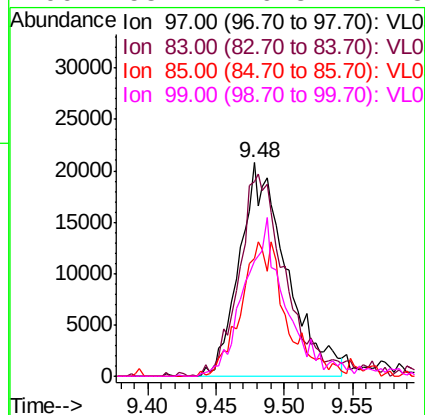
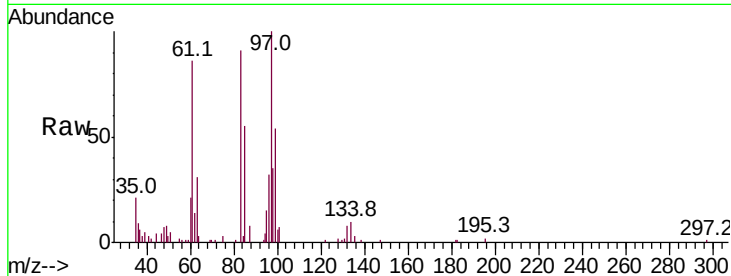
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	97	Resp	49676
Ion Ratio	Lower	Upper	
97	100		
83	91.3	71.9	107.9
85	55.4	46.5	69.7
99	53.7	49.8	74.8

Manual Integrations
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#48

Dibromochloromethane

Concen: 0.393 ppbv

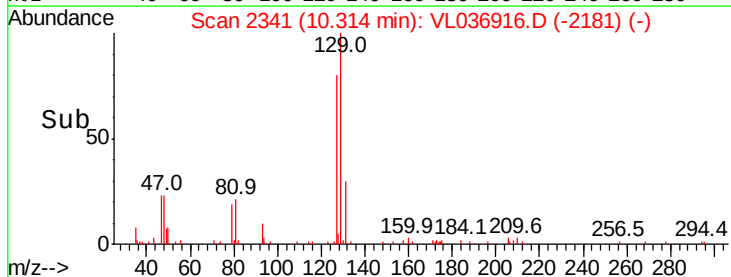
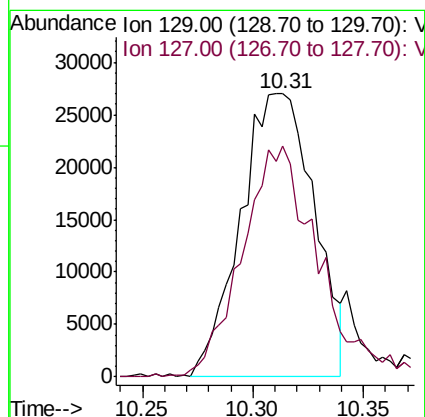
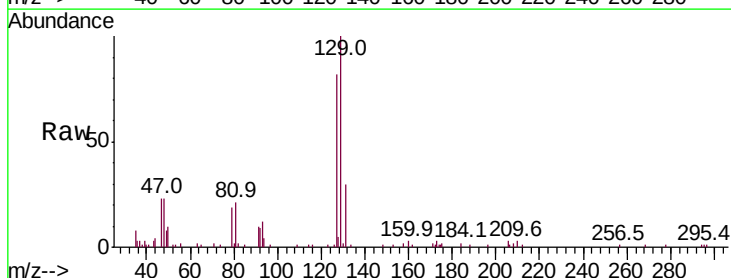
RT: 10.31 min Scan# 2341

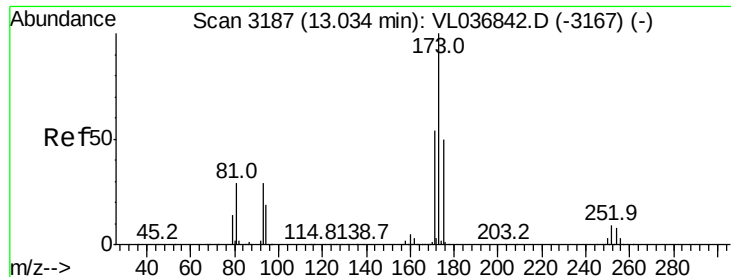
Delta R.T. 0.02 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion	129	Resp	62537
Ion Ratio	Lower	Upper	
129	100		
127	83.3	40.2	120.5





#49

Bromoform

Concen: 0.426 ppbv m

RT: 13.05 min Scan# 3191

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

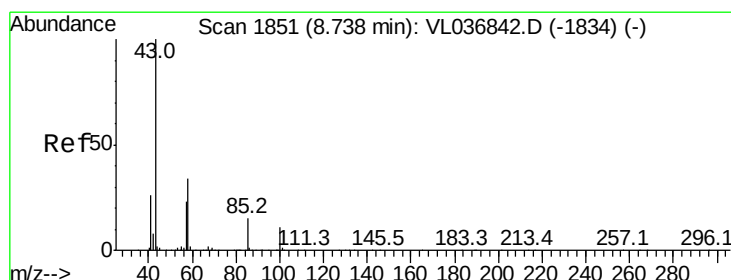
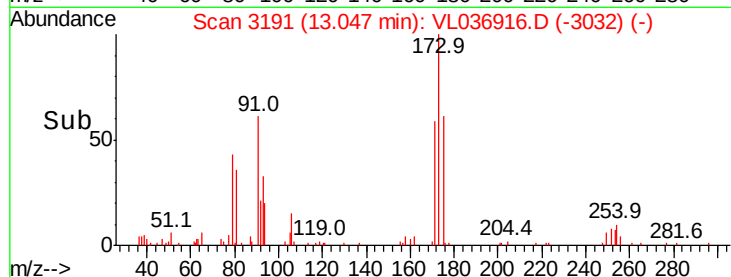
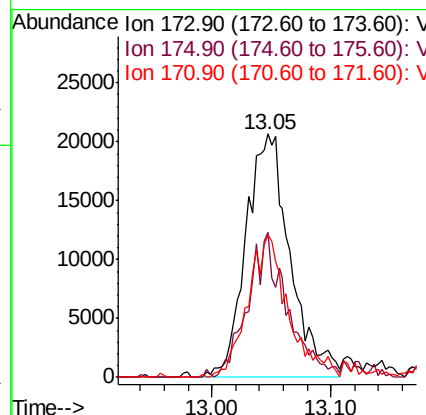
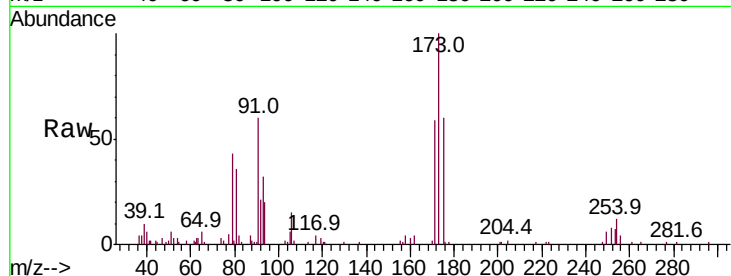
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	173	Resp:	54120
Ion Ratio	Lower	Upper	
173	100		
175	52.8	39.6	59.4
171	56.1	42.2	63.4

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.297 ppbv m

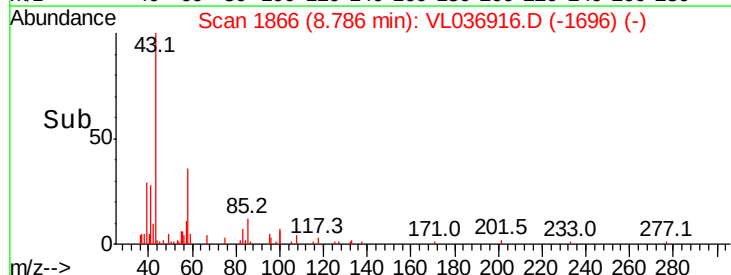
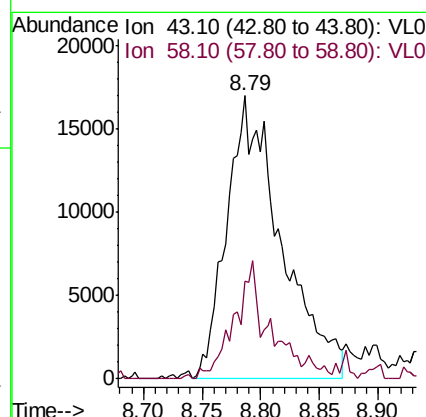
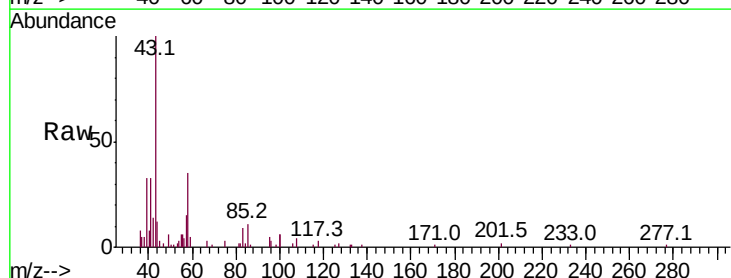
RT: 8.79 min Scan# 1866

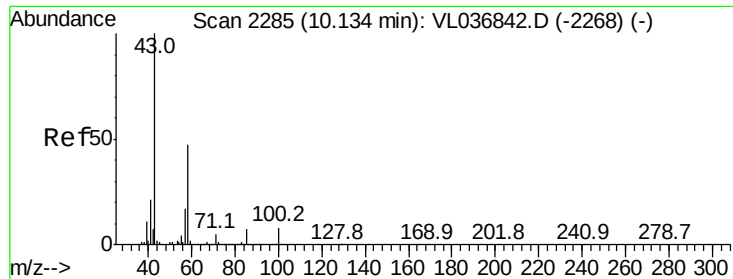
Delta R.T. 0.05 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion:	43	Resp:	54653
Ion Ratio	Lower	Upper	
43	100		
58	0.0	27.8	41.8#





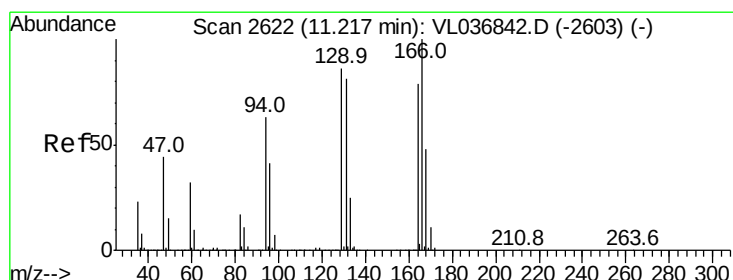
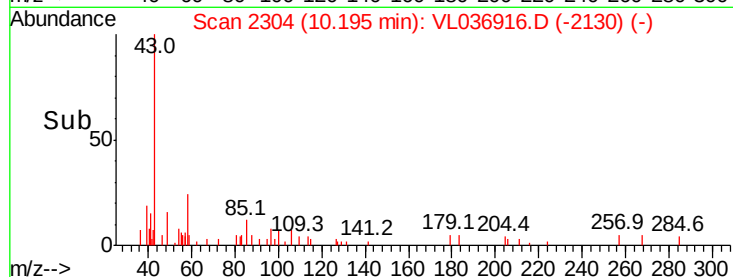
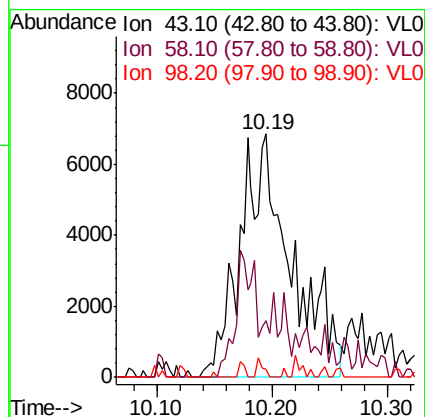
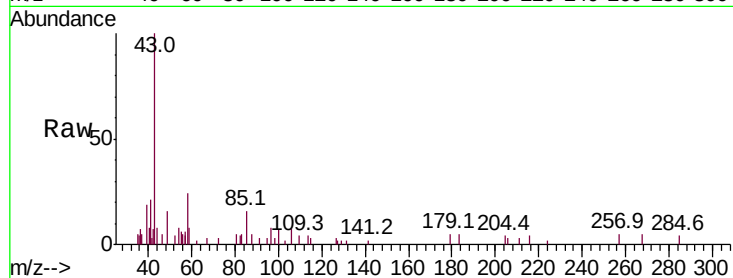
#51
2-Hexanone
Concen: 0.229 ppbv m
RT: 10.19 min Scan# 2304
Delta R.T. 0.06 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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#

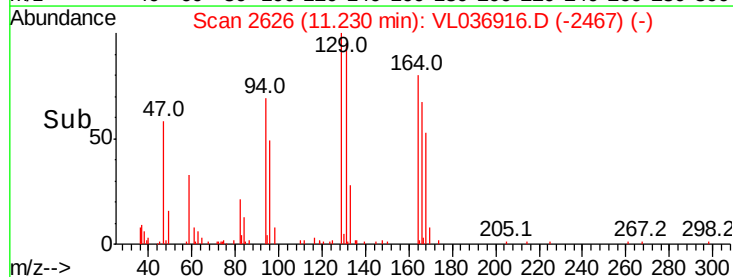
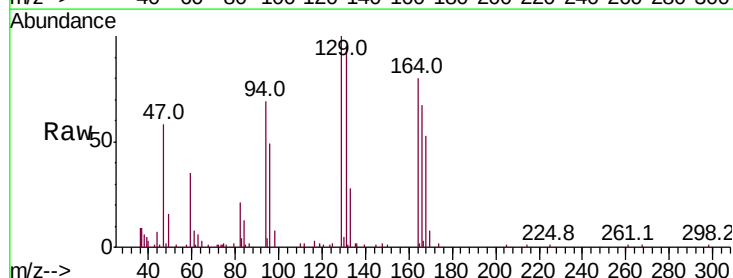
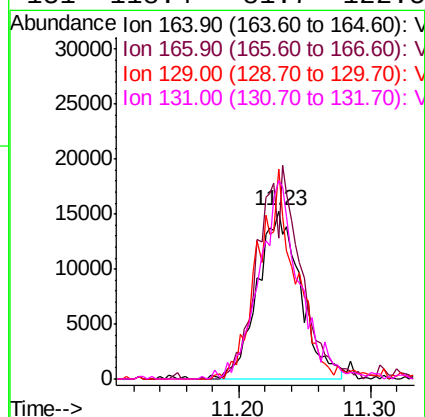
Manual Integrations
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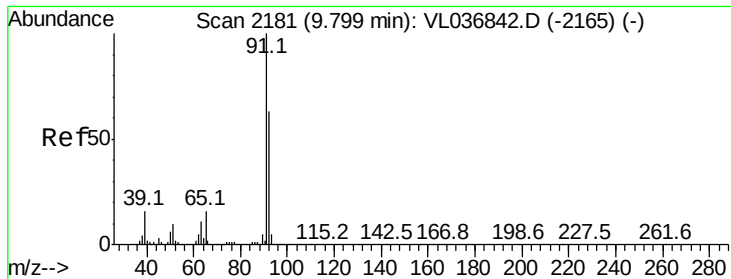
MMDadoda
5/10/2021 3:34:30 PM



#52
Tetrachloroethene
Concen: 0.395 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	83.7	100.9	151.3#
129	124.7	87.0	130.4
131	118.4	81.7	122.5





#53

Toluene

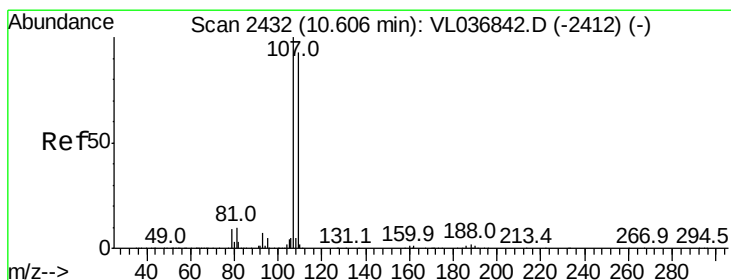
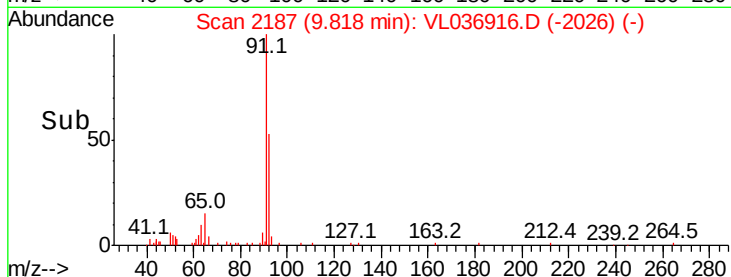
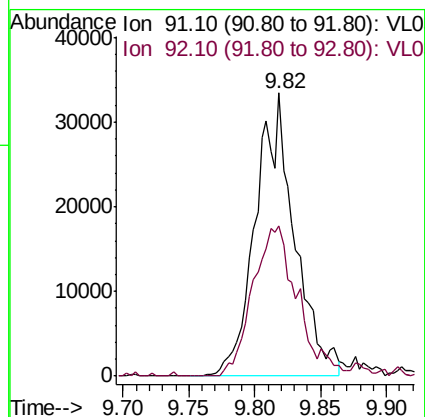
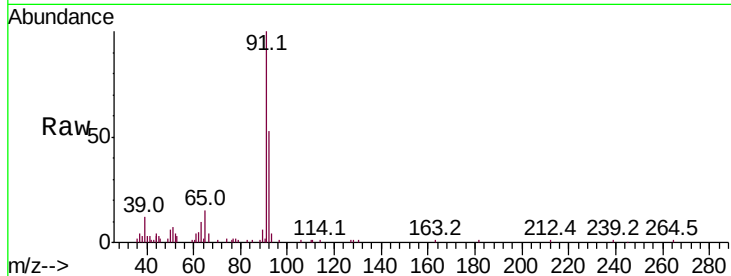
Concen: 0.255 ppbv m
RT: 9.82 min Scan# 2187
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.4	49.0	73.4

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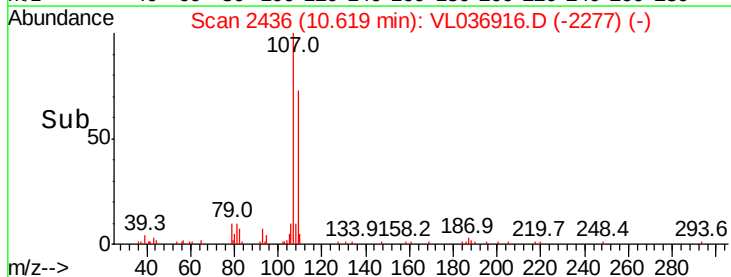
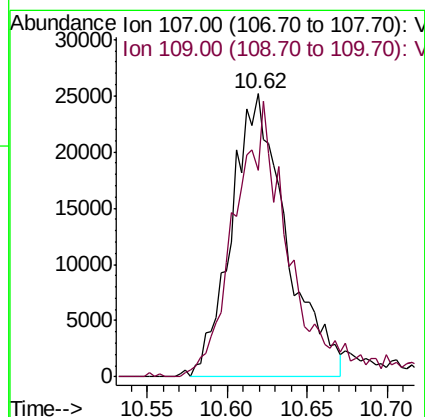
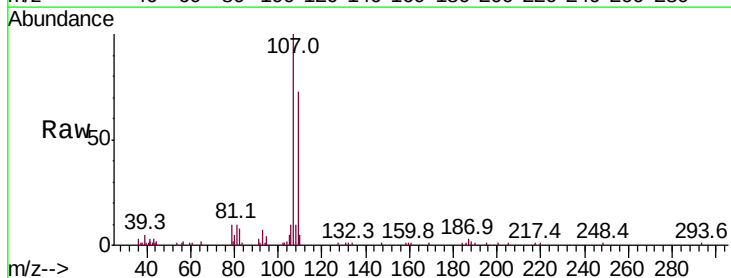


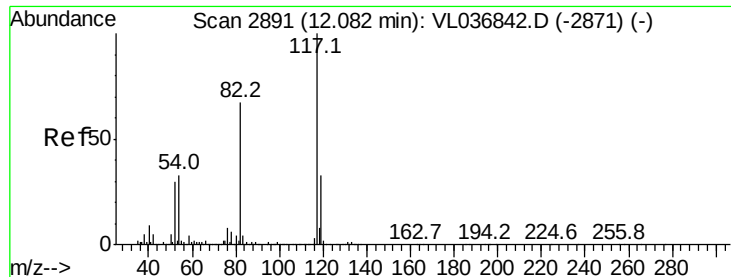
#54

1,2-Dibromoethane

Concen: 0.391 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	70.4	74.7	112.1#





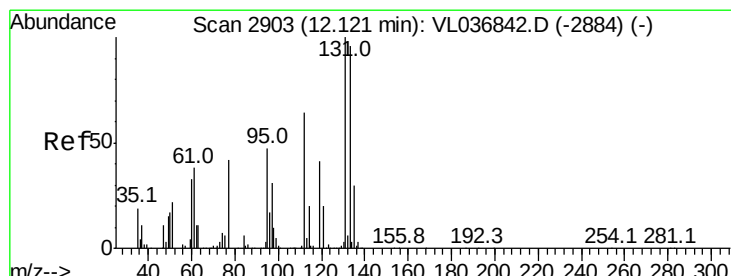
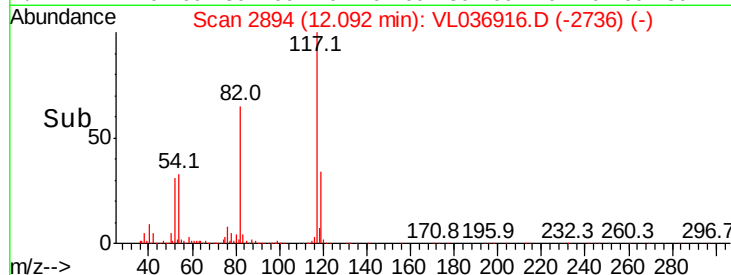
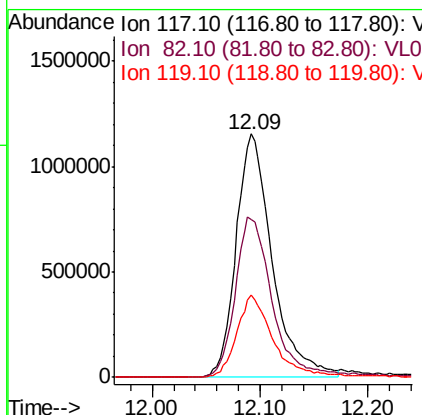
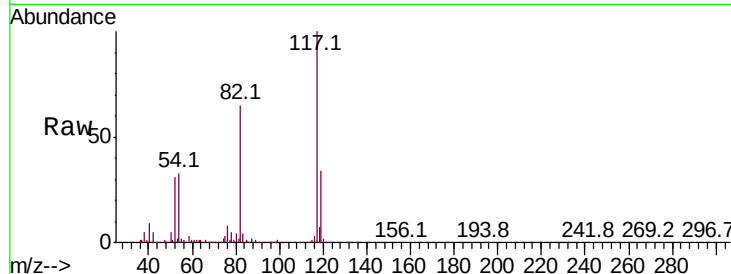
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.3	53.5	80.3
119	34.8	25.6	38.4

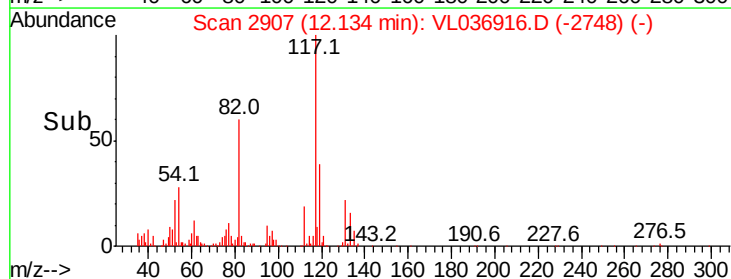
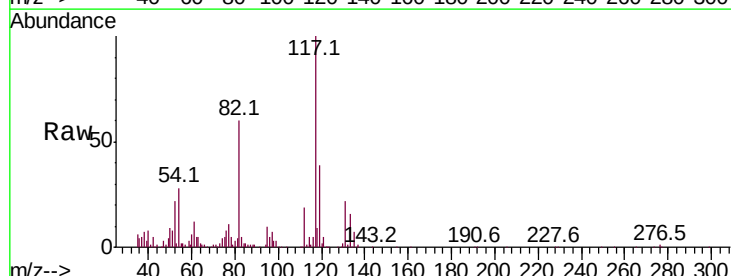
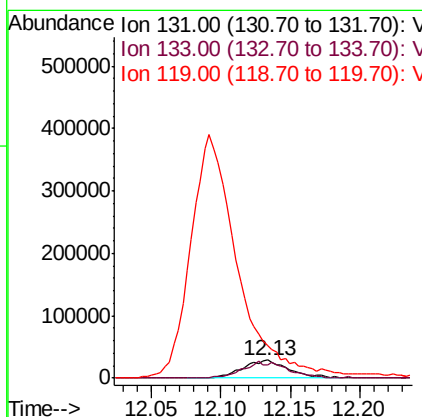
Manual Integrations
APPROVED

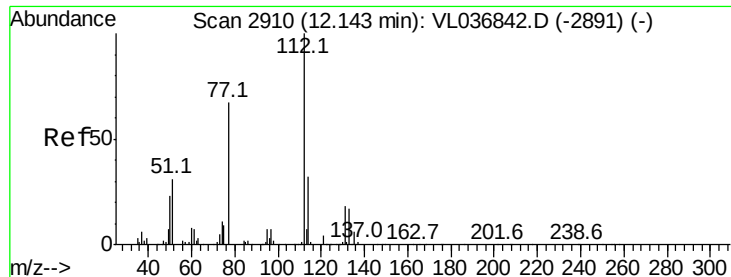
MMDadoda
5/10/2021 3:34:30 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.580 ppbv m
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.3	114.5#
119	0.0	114.9	172.3#





#57

Chlorobenzene

Concen: 0.511 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

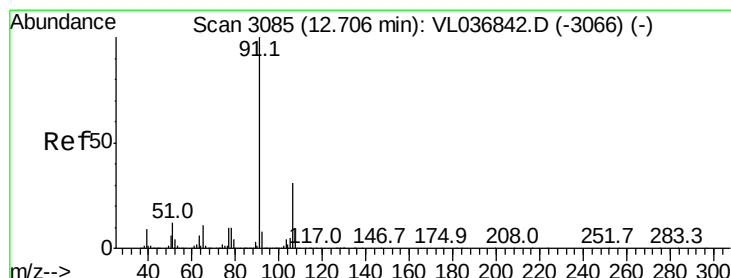
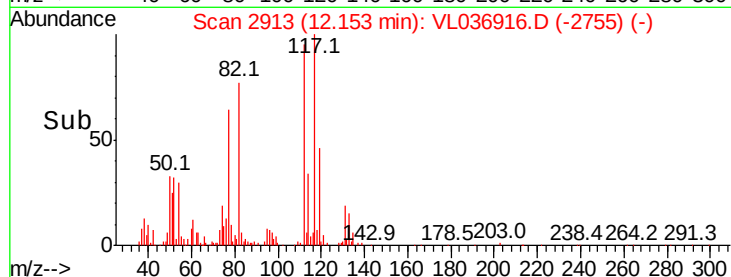
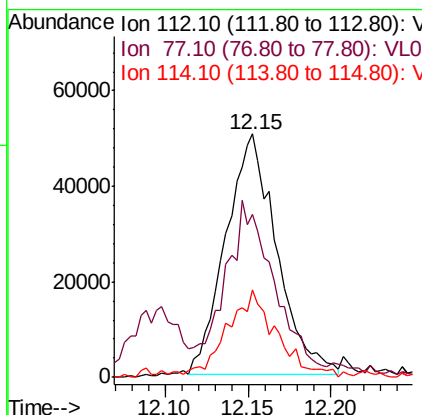
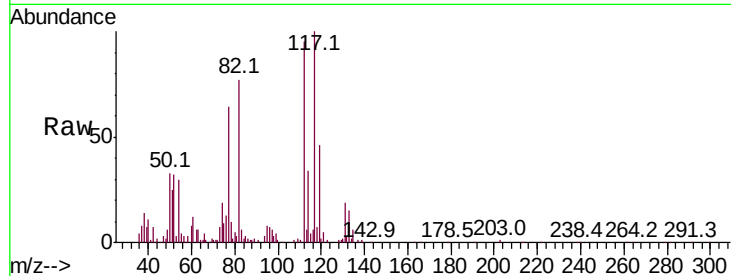
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	112	Resp:	107485
Ion Ratio	Lower	Upper	
112	100		
77	62.4	54.2	81.4
114	36.6	28.5	34.9#

Manual Integrations
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5/10/2021 3:34:30 PM



#58

Ethyl Benzene

Concen: 0.277 ppbv

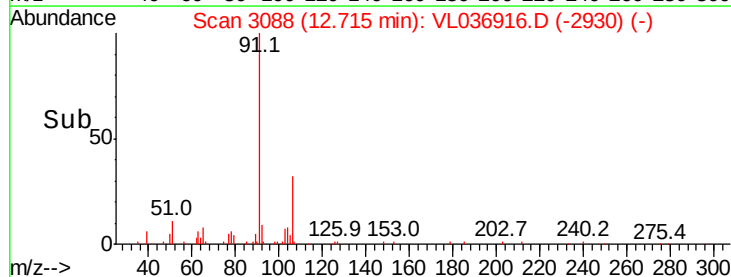
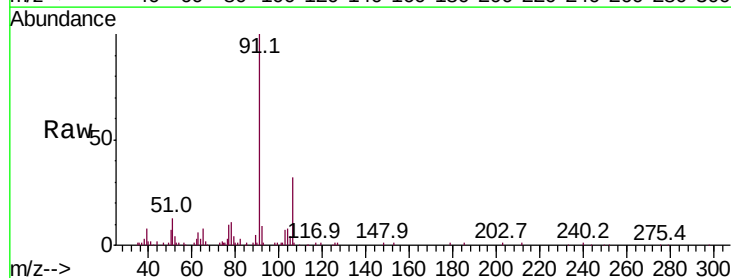
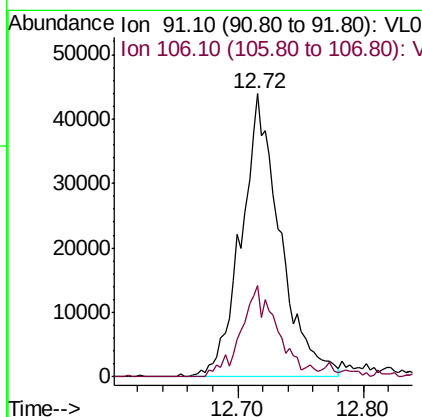
RT: 12.72 min Scan# 3088

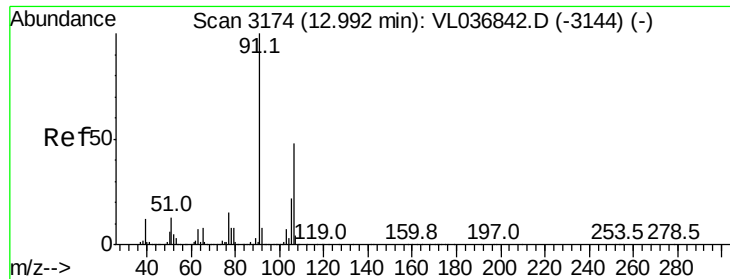
Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion:	91	Resp:	94820
Ion Ratio	Lower	Upper	
91	100		
106	32.4	25.1	37.7





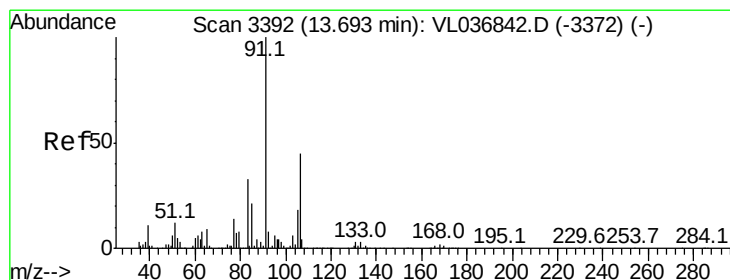
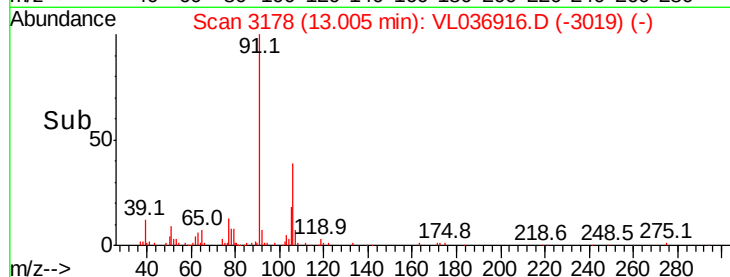
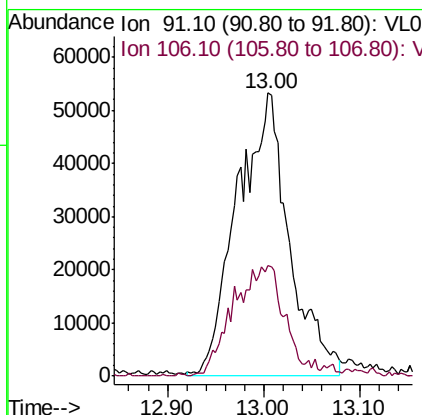
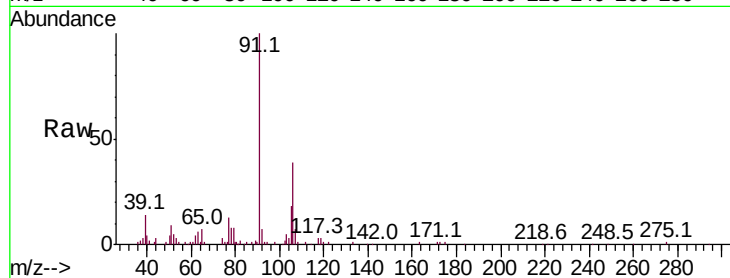
#59
m/p-Xylene
Concen: 0.654 ppbv m
RT: 13.00 min Scan# 3178
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		199977		
106	40.0	35.8	53.6		

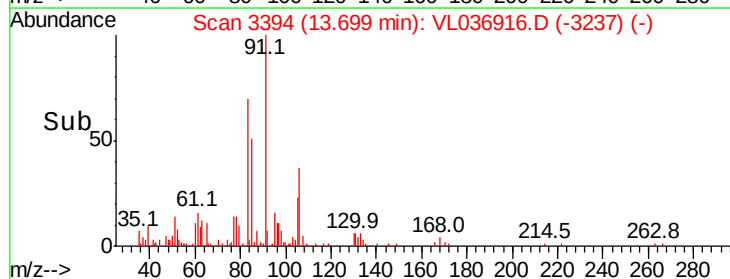
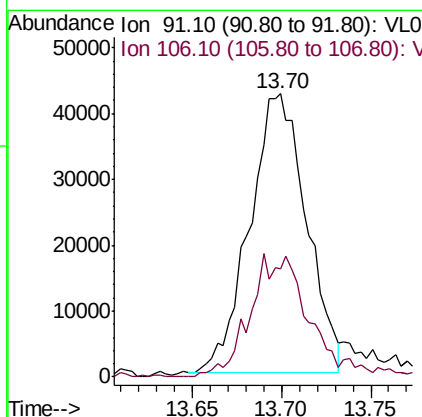
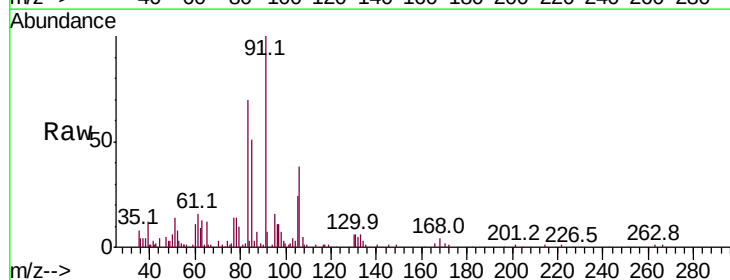
Manual Integrations
APPROVED

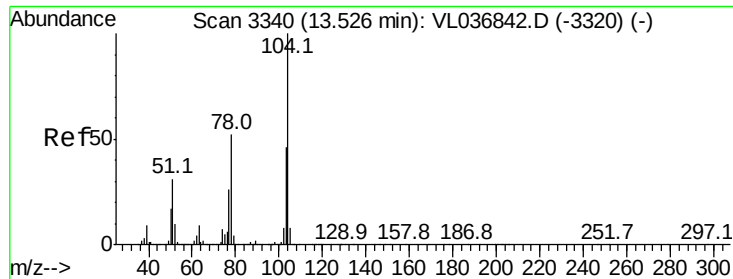
MMDadoda
5/10/2021 3:34:30 PM



#60
o-Xylene
Concen: 0.320 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		94696		
106	47.1	22.6	67.7		





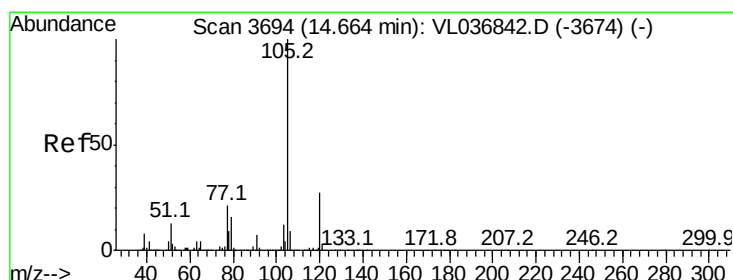
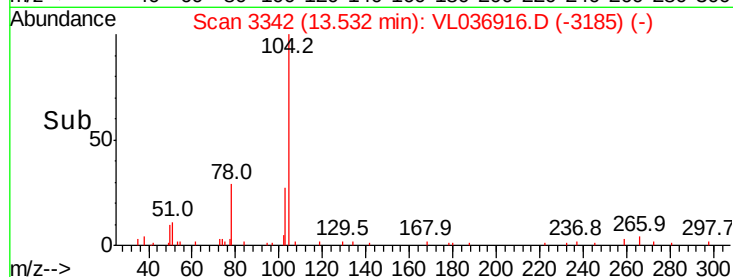
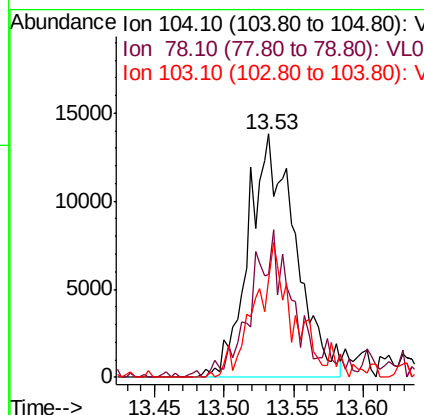
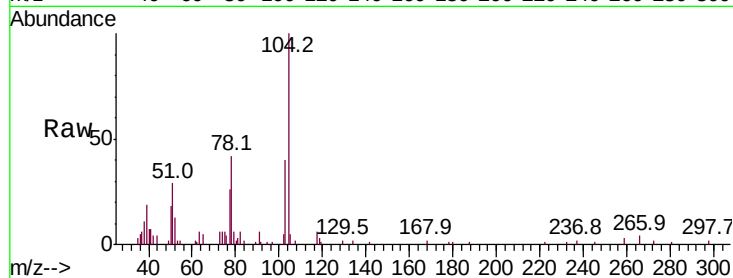
#61
Stvrene
Concen: 0.233 ppbv m
RT: 13.53 min Scan# 3342
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	32422		
78	56.4		42.6	64.0
103	50.2		38.1	57.1

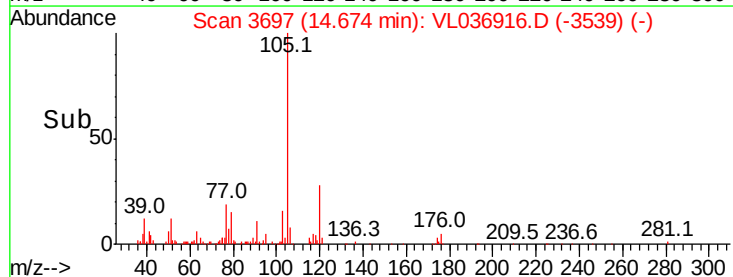
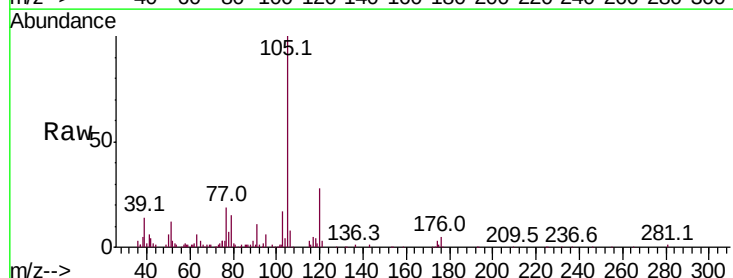
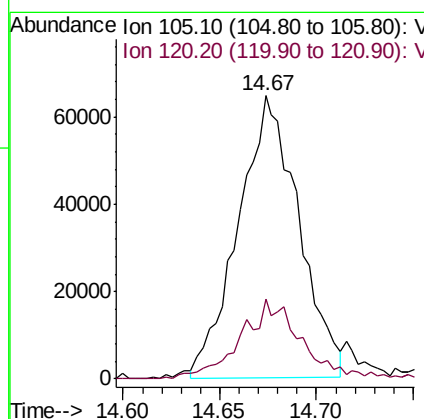
Manual Integrations
APPROVED

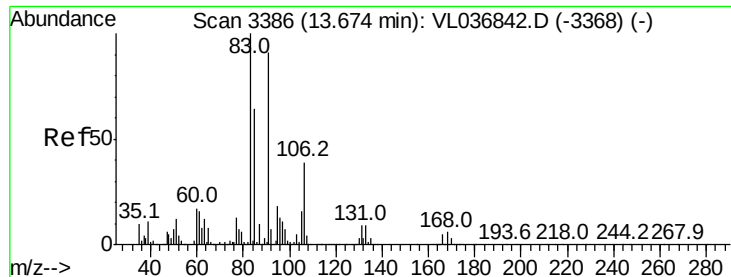
MMDadoda
5/10/2021 3:34:30 PM



#62
Isopropylbenzene
Concen: 0.349 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140590		
120	28.8		21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.561 ppbv m

RT: 13.68 min Scan# 3389

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

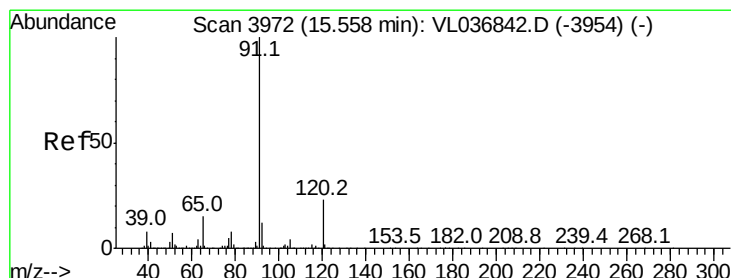
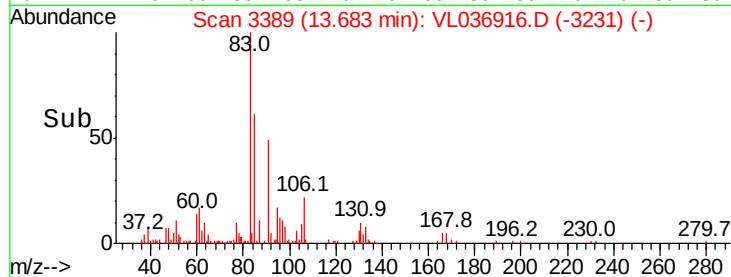
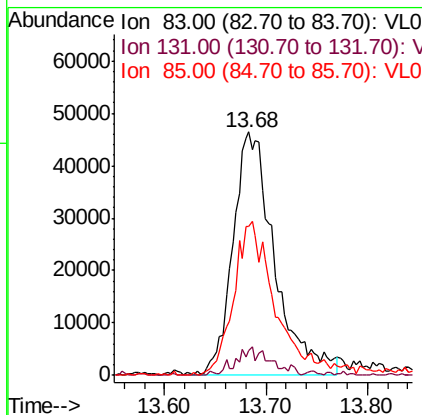
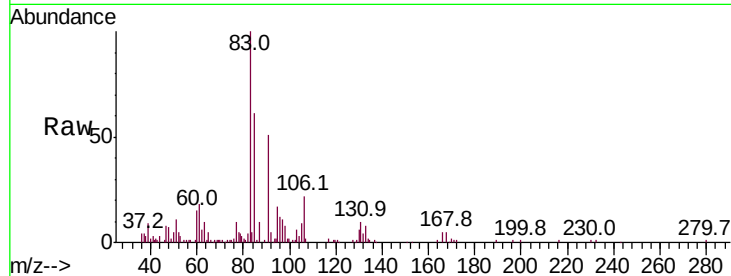
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	83	Resp:	132992
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.8	14.3#
85	0.0	32.8	98.4#

Manual Integrations
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#64

n-propylbenzene

Concen: 0.304 ppbv m

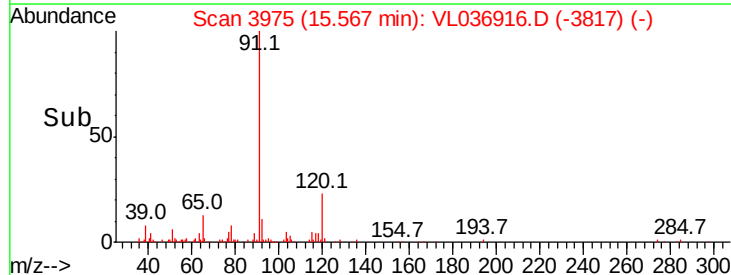
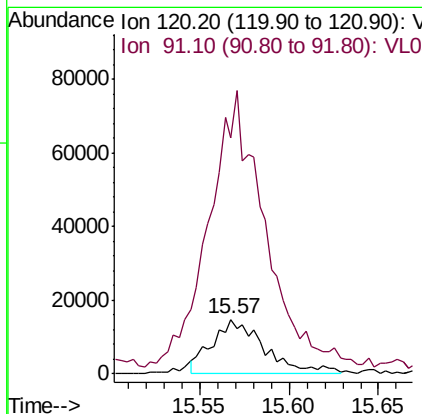
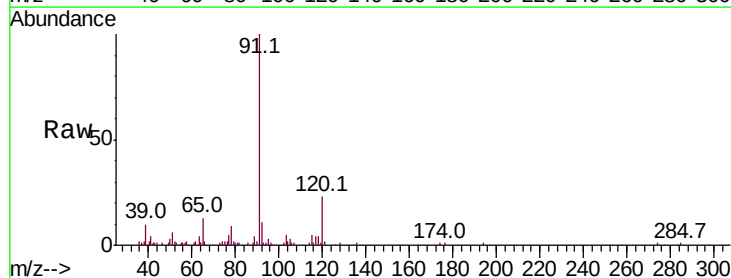
RT: 15.57 min Scan# 3975

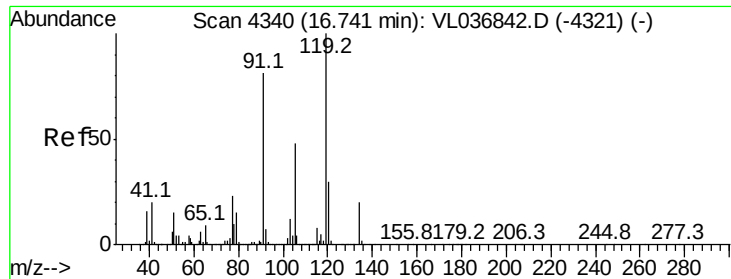
Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion:	120	Resp:	30485
Ion Ratio	Lower	Upper	
120	100		
91	578.8	378.6	567.8#





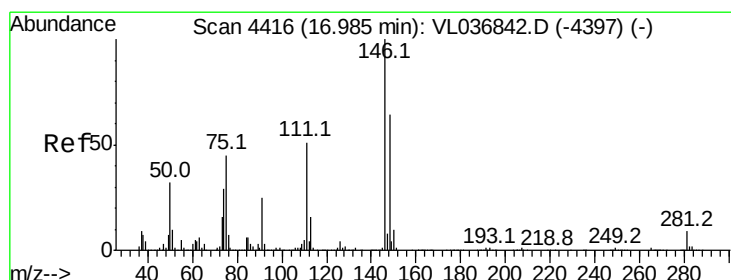
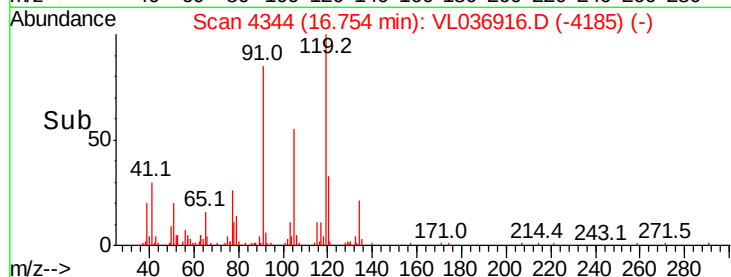
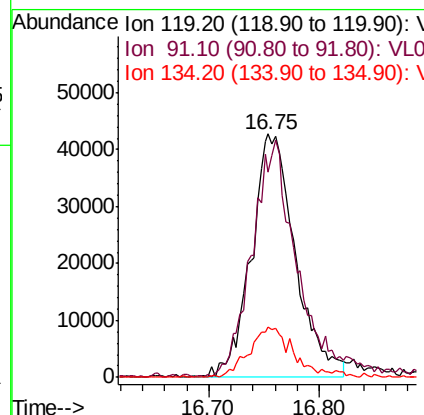
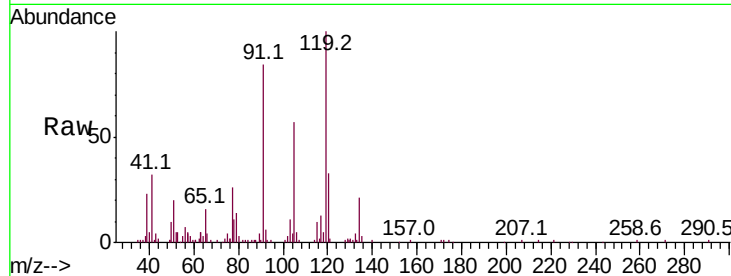
#65
 tert-Butylbenzene
 Concen: 0.333 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118392		
91	100.8	67.0	100.6#	
134	21.0	15.8	23.6	

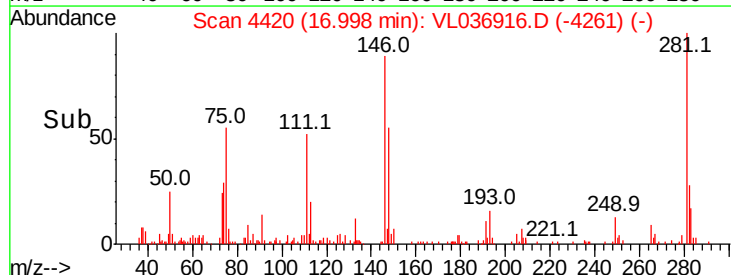
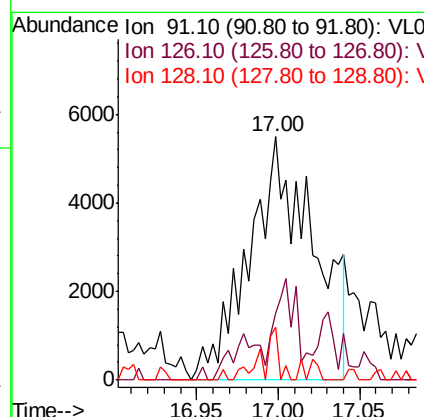
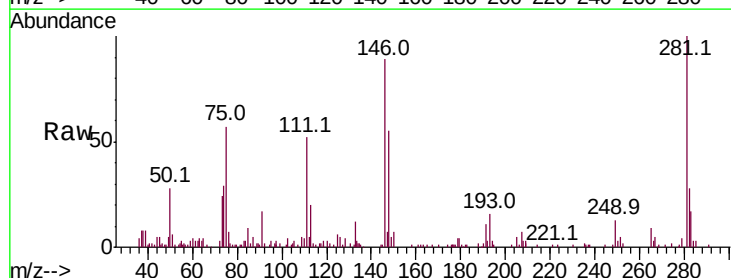
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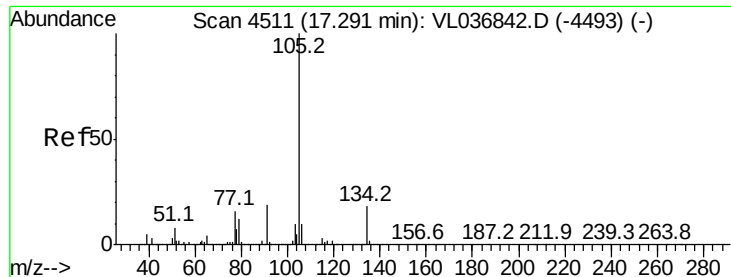
MMDadoda
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#66
 Benzyl Chloride
 Concen: 0.430 ppbv m
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	14969		
126	33.9	14.1	21.1#	
128	0.0	4.8	7.2#	





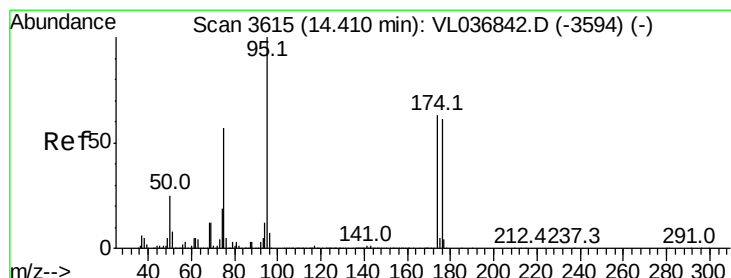
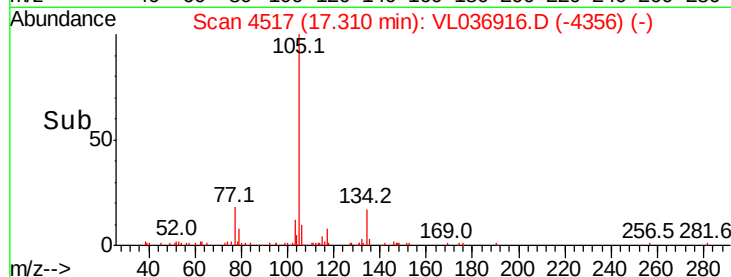
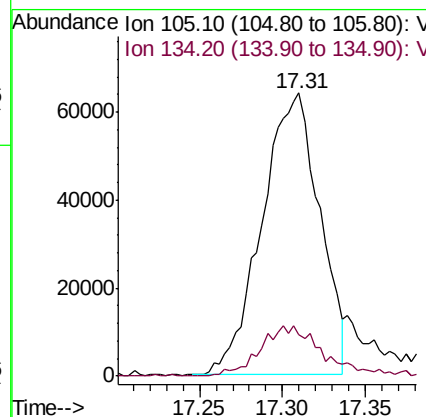
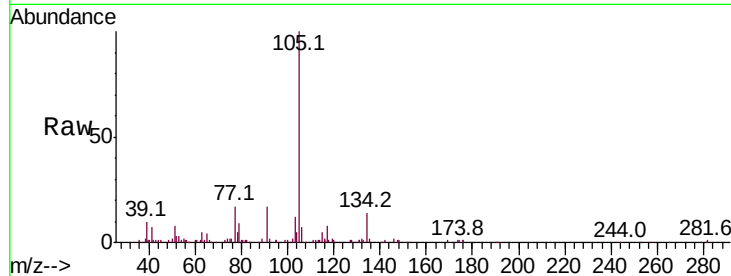
#67
 sec-Butylbenzene
 Concen: 0.313 ppbv
 RT: 17.31 min Scan# 4517
 Delta R.T. 0.02 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	14.8	22.2

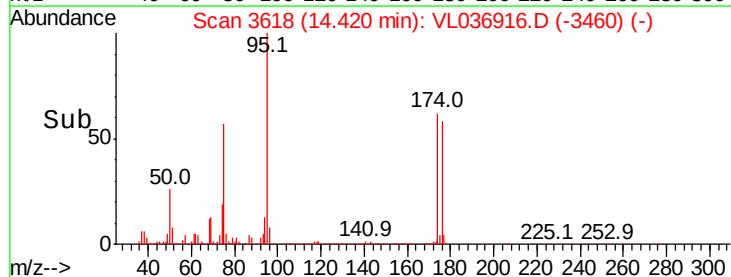
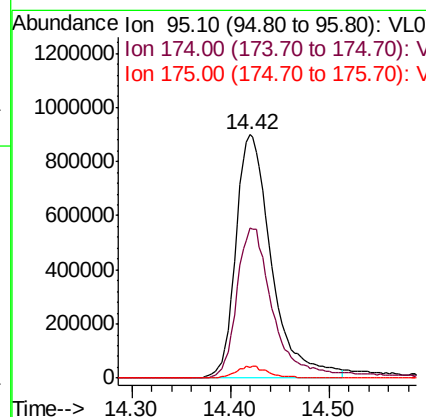
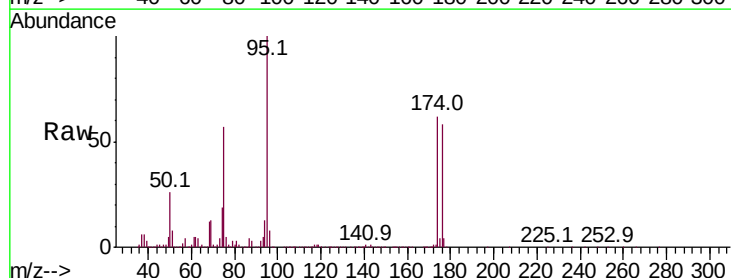
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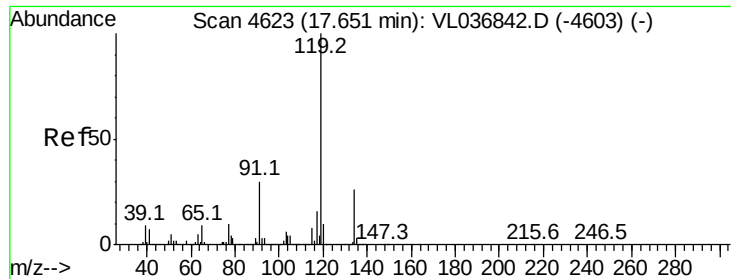
MMDadoda
 5/10/2021 3:34:30 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.463 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.1	52.2	78.2
175	4.5	4.0	6.0





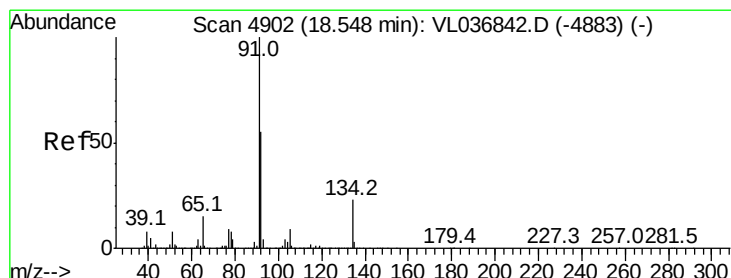
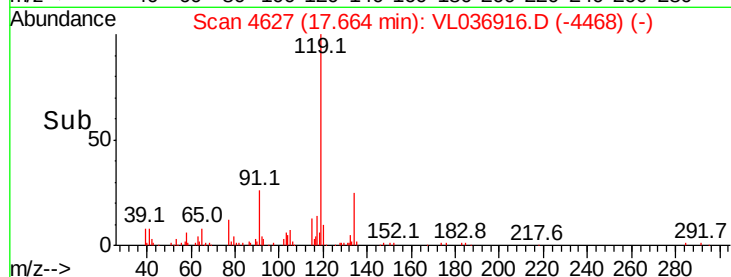
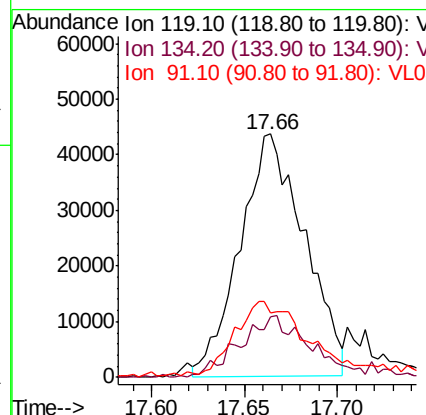
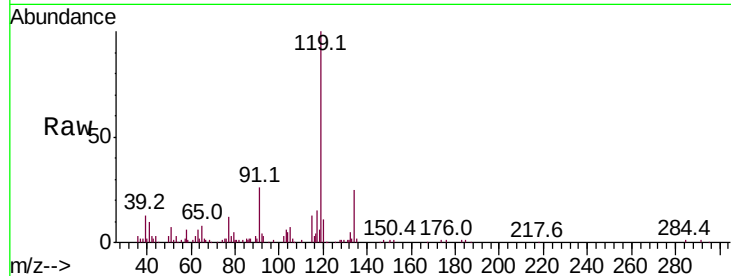
#69
 p-Isopropyltoluene
 Concen: 0.266 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	29.1	20.6	31.0
91	37.4	24.2	36.4

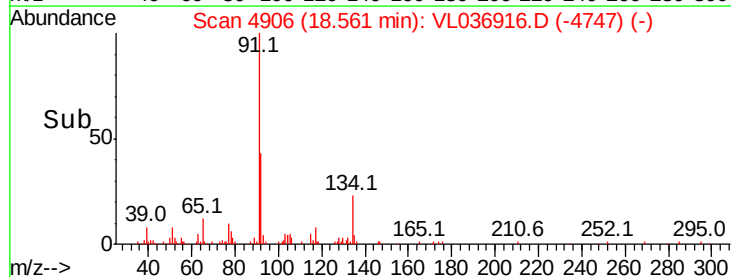
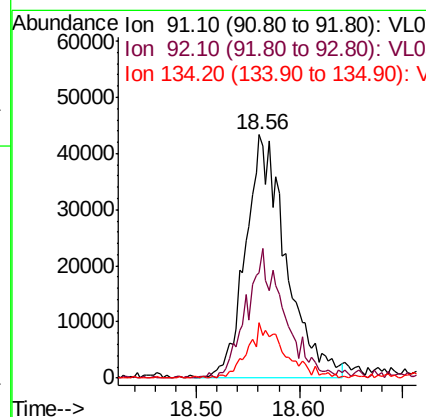
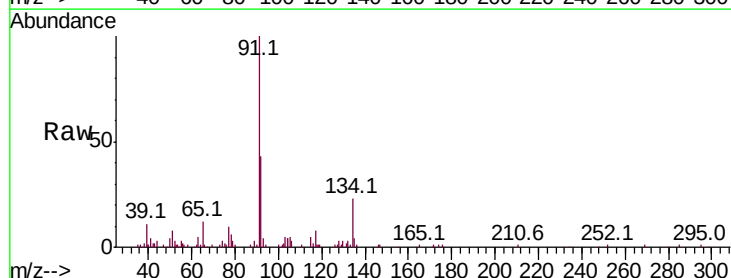
Manual Integrations
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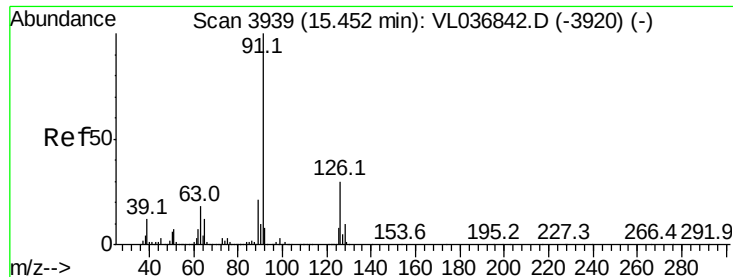
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.297 ppbv m
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	50.0	43.5	65.3
134	20.7	18.2	27.4





#71

2-Chlorotoluene

Concen: 0.305 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

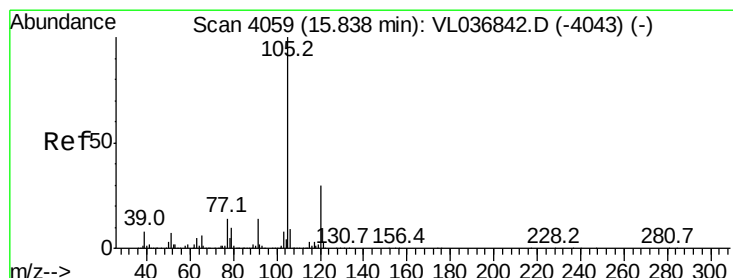
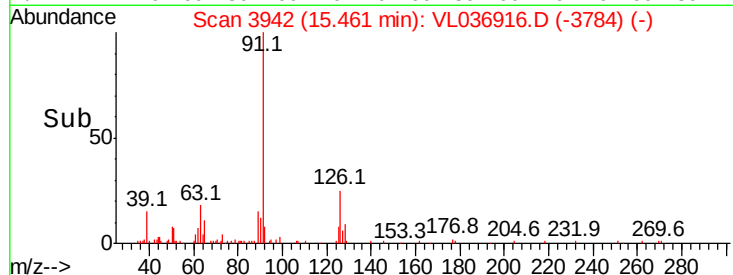
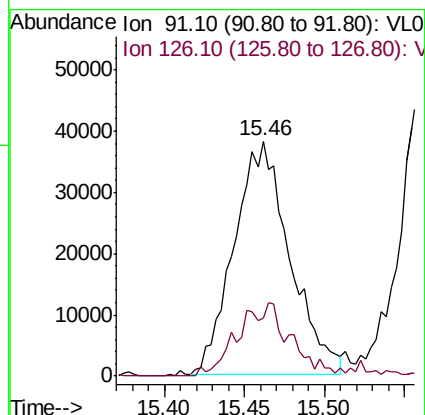
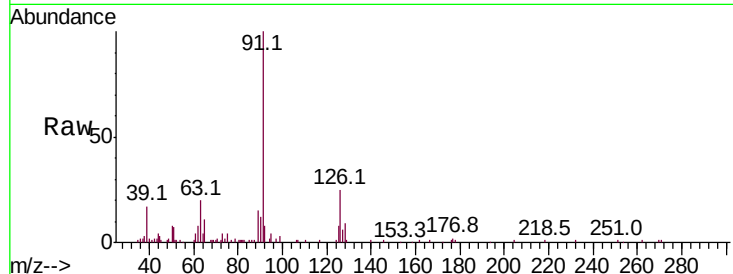
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.3	49.3

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#72

4-Ethyltoluene

Concen: 0.261 ppbv

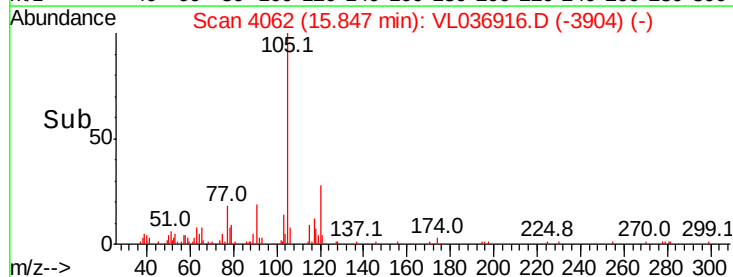
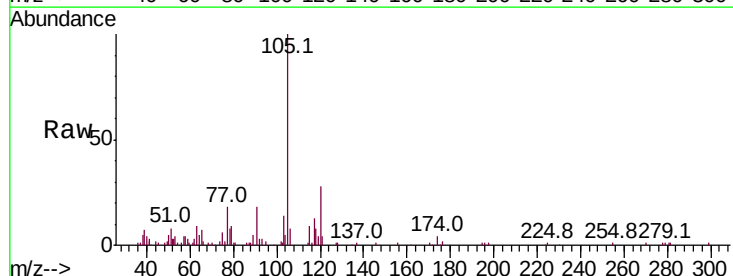
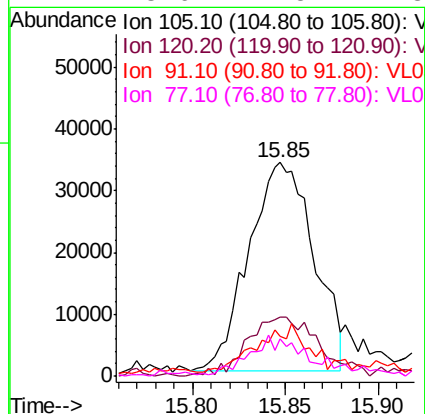
RT: 15.85 min Scan# 4062

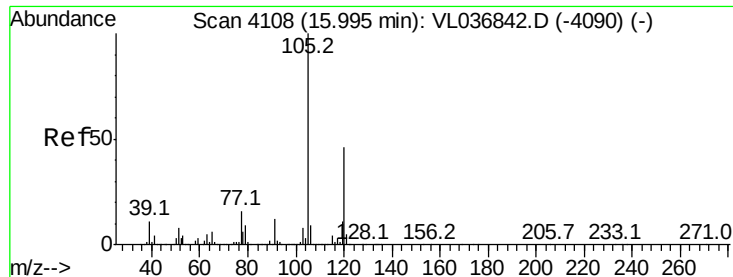
Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.9	23.8	35.6
91	22.5	10.7	16.1#
77	18.6	11.5	17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.323 ppbv m

RT: 16.01 min Scan# 4112

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 99306

Ion Ratio Lower Upper

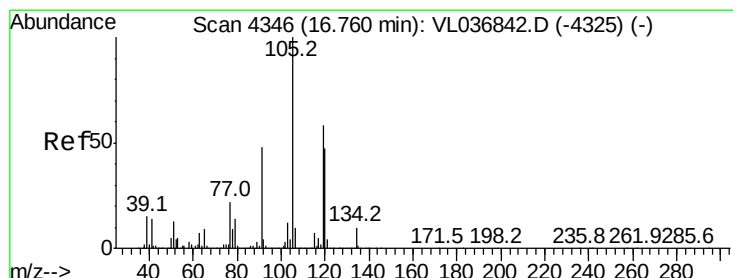
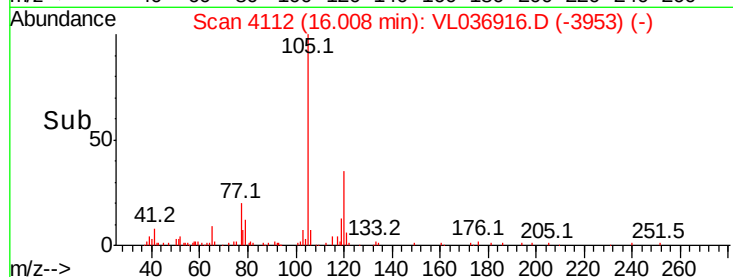
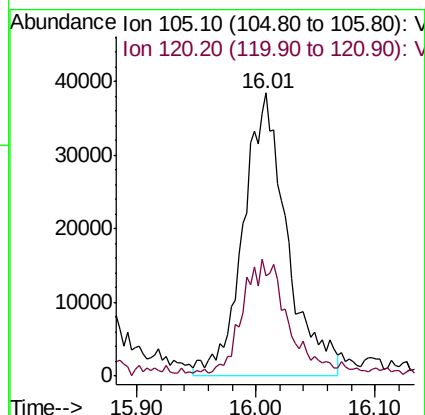
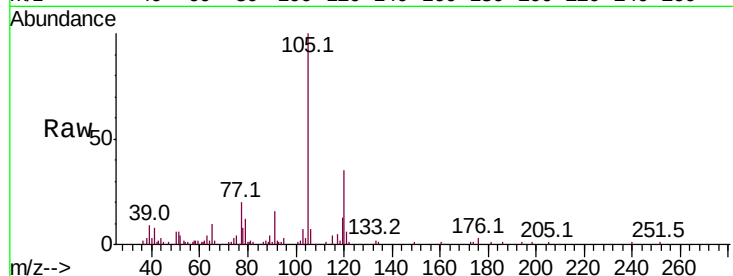
105 100

120 35.5 36.8 55.2#

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#74

1,2,4-Trimethylbenzene

Concen: 0.349 ppbv m

RT: 16.77 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL036916.D

Acq: 7 May 2021 13:02

Tgt Ion:105 Resp: 114001

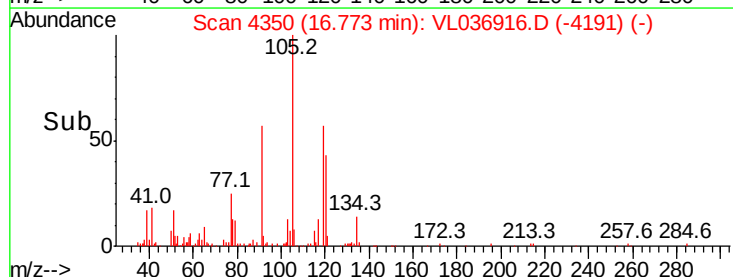
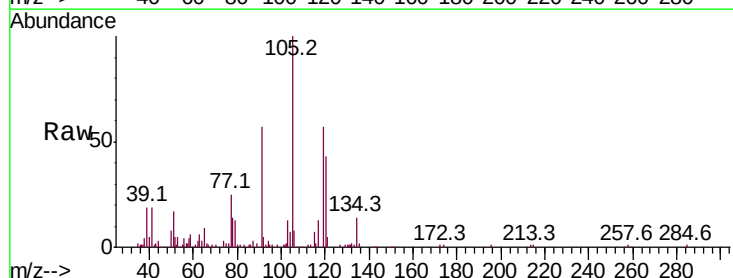
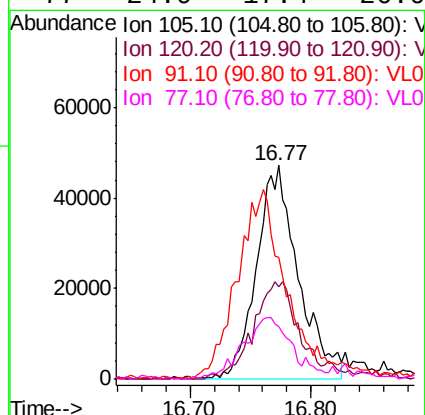
Ion Ratio Lower Upper

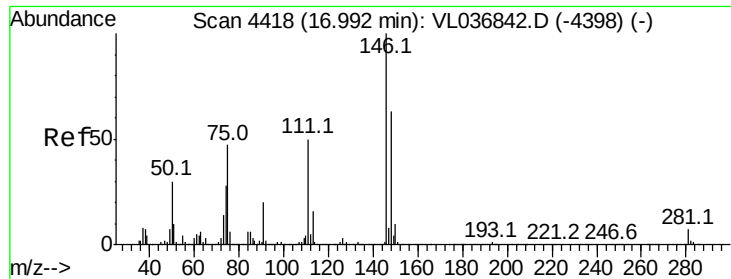
105 100

120 43.4 37.6 56.4

91 57.2 39.0 58.4

77 24.9 17.4 26.0





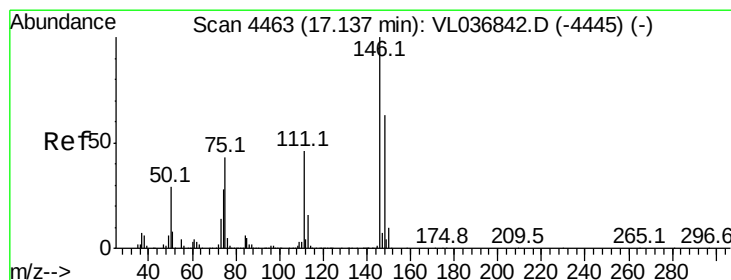
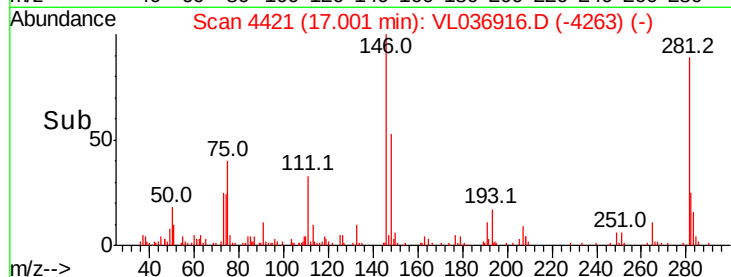
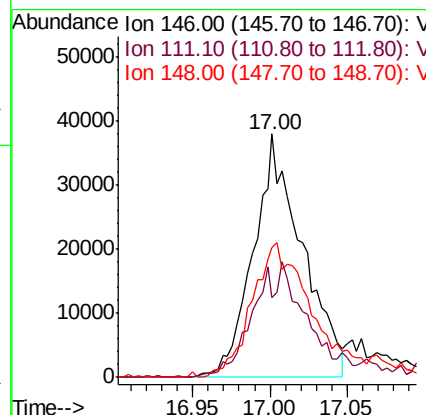
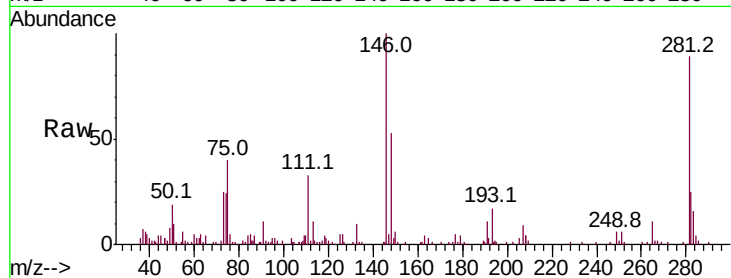
#75
 1,3-Dichlorobenzene
 Concen: 0.430 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	57.4	24.2	72.6
148	72.1	32.1	96.3

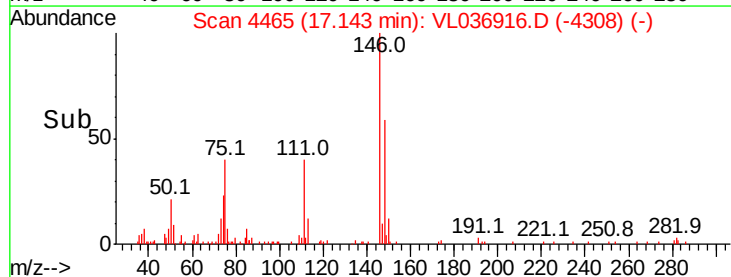
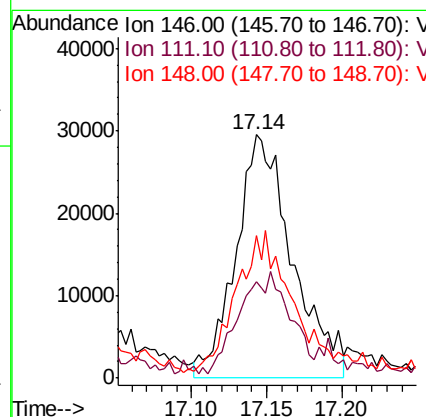
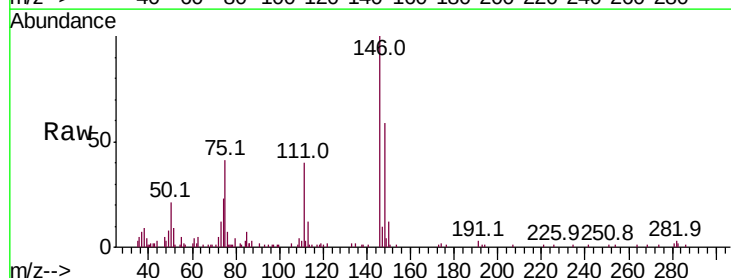
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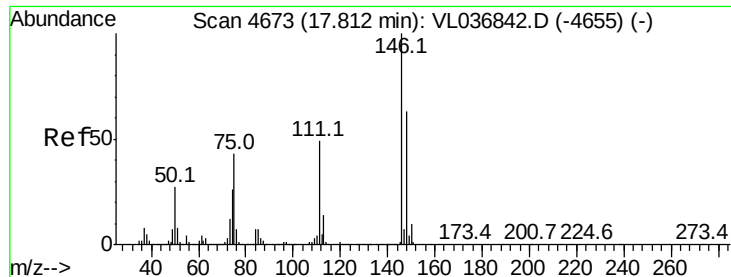
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#76
 1,4-Dichlorobenzene
 Concen: 0.410 ppbv m
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.01 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.5	24.3	72.8
148	67.5	32.4	97.0





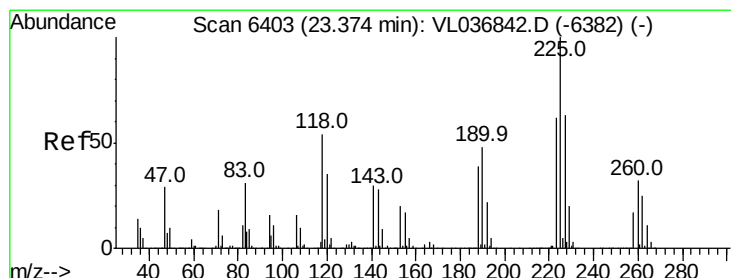
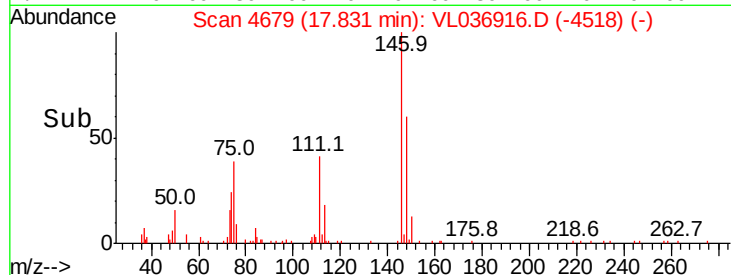
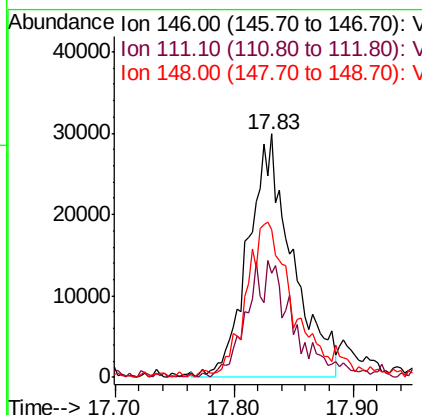
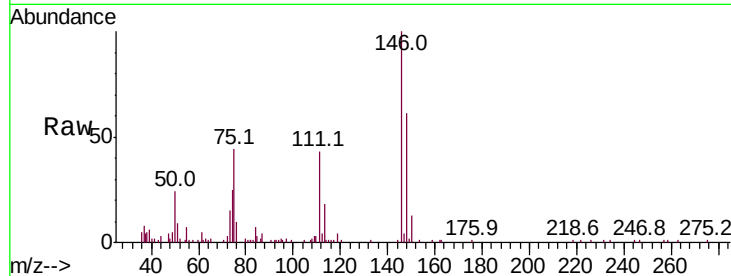
#77
 1,2-Dichlorobenzene
 Concen: 0.413 ppbv m
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.02 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.0	75.0
148	72.8	32.4	97.0

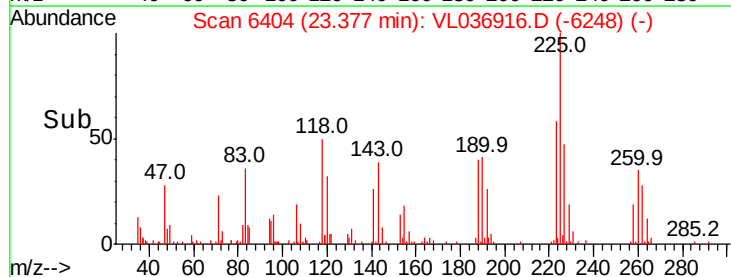
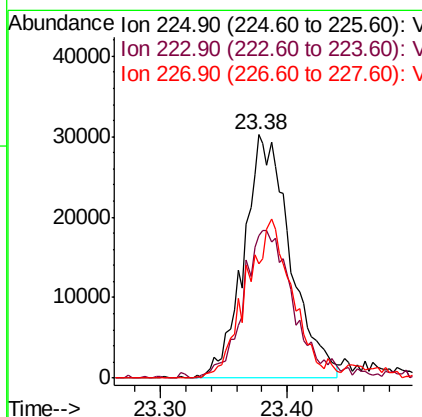
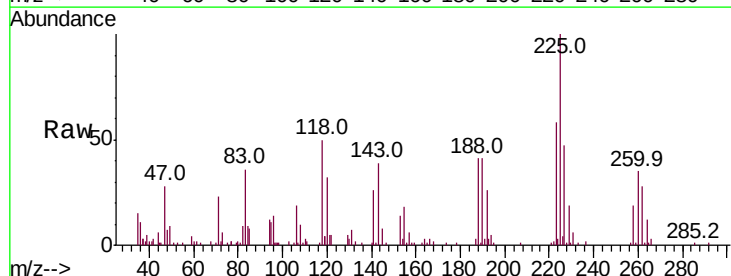
Manual Integrations
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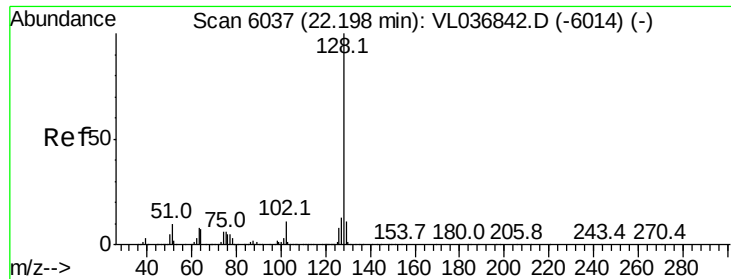
MMDadoda
 5/10/2021 3:34:30 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.481 ppbv m
 RT: 23.38 min Scan# 6404
 Delta R.T. 0.00 min
 Lab File: VL036916.D
 Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.2	76.8#
227	69.1	51.8	77.6





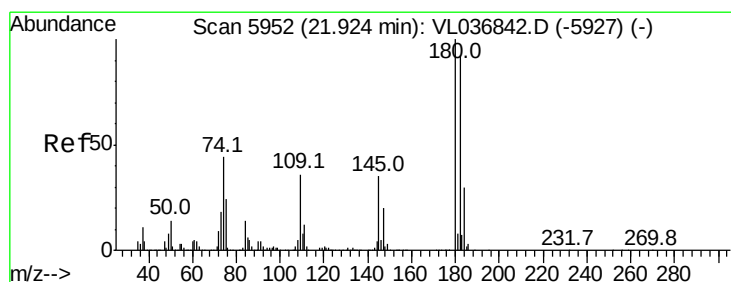
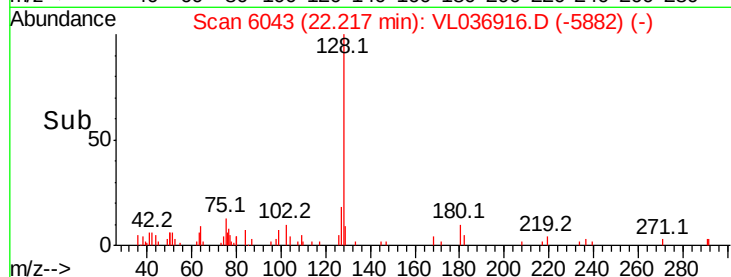
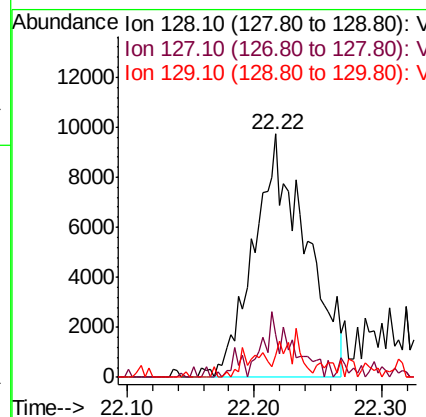
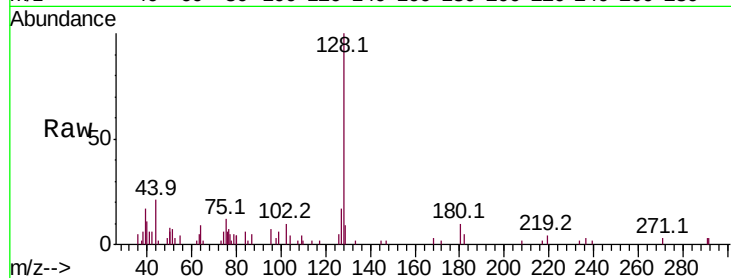
#79
Naphthalene
Concen: 0.151 ppbv m
RT: 22.22 min Scan# 6043
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.4	10.6	15.8#
129	9.2	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
5/10/2021 3:34:30 PM



#81
1,2,4-Trichlorobenzene
Concen: 0.256 ppbv m
RT: 21.95 min Scan# 5959
Delta R.T. 0.02 min
Lab File: VL036916.D
Acq: 7 May 2021 13:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	108.2	80.9	121.3
184	35.7	25.3	37.9

