

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036428.D
 Acq On : 2 Mar 2021 14:13
 Operator : SY/AP
 Sample : M1458-15 0.40
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:33 PM

Quant Time: Mar 03 12:52:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1597515	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3559777	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3191344	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2551602	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	133408	0.560	ppbv	91
3) Chlorodifluoromethane	2.98	51	95190	0.480	ppbv	95
4) Chloromethane	3.13	50	45624	0.476	ppbv	96
5) Vinyl Chloride	3.25	62	37693	0.422	ppbv	95
6) Bromomethane	3.46	94	26886m	0.507	ppbv	
7) Chloroethane	3.55	64	16096m	0.508	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	98005	0.452	ppbv	89
9) Propene	3.01	41	39377m	0.532	ppbv	
10) Heptane	8.11	43	69170	0.317	ppbv #	83
11) Trichlorofluoromethane	3.94	101	107981	0.463	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.47	101	66552	0.460	ppbv	95
13) Ethanol	3.61	45	8214m	0.591	ppbv	
14) Bromoethene	3.73	108	25945m	0.429	ppbv	
15) Acetone	3.85	43	101040	0.517	ppbv #	79
16) 1,3-Butadiene	3.32	39	41624m	0.446	ppbv	
17) tert-Butyl alcohol	4.29	59	64350m	0.425	ppbv	
18) 1,1-Dichloroethene	4.28	96	26788	0.408	ppbv	99
19) Isopropyl Alcohol	3.97	45	41451m	0.383	ppbv	
20) Methylene Chloride	4.33	84	26961	0.428	ppbv #	67
21) Allyl Chloride	4.40	41	47373m	0.436	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	27723m	0.464	ppbv	
23) Vinyl Acetate	5.07	43	80706m	0.351	ppbv	
24) 1,1-Dichloroethane	5.00	63	72328	0.426	ppbv	98
25) Ethyl Acetate	5.67	43	145026	0.385	ppbv	97
26) Hexane	5.67	57	61358m	0.396	ppbv	
27) Carbon Disulfide	4.54	76	52194m	0.367	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	72458	0.358	ppbv	97
29) Chloroform	5.74	83	113379	0.454	ppbv	96
30) Cyclohexane	7.11	84	50176m	0.390	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	53809m	0.351	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	103838m	0.445	ppbv	
34) 2-Butanone	5.24	43	88236m	0.373	ppbv	
35) Carbon Tetrachloride	7.00	117	92302	0.387	ppbv	92
36) Benzene	6.88	78	111340	0.368	ppbv #	92
37) 1,2-Dichloroethane	6.29	62	74606	0.399	ppbv #	96
38) Trichloroethene	7.83	130	42177m	0.389	ppbv	
39) 1,2-Dichloropropane	7.60	63	43282	0.352	ppbv #	84
40) 1,4-Dioxane	7.87	88	17520m	0.412	ppbv	
41) Tetrahydrofuran	6.06	42	40025m	0.303	ppbv	
42) Bromodichloromethane	7.78	83	100423m	0.401	ppbv	
43) Methyl Methacrylate	8.01	69	39843m	0.312	ppbv	

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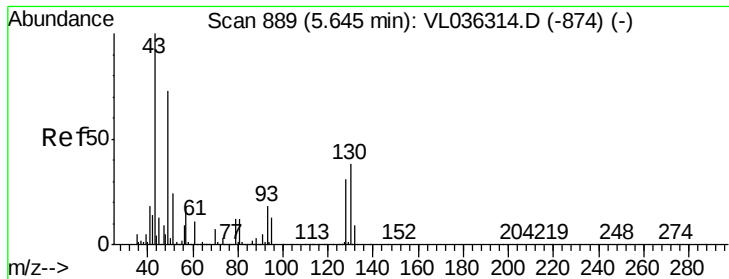
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	212762m	0.387	ppbv	
45) t-1,3-Dichloropropene	9.27	75	32572m	0.265	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	49337m	0.316	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	53903m	0.429	ppbv	
48) Dibromochloromethane	10.29	129	67601m	0.360	ppbv	
49) Bromoform	13.02	173	49851	0.329	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	121928m	0.347	ppbv	
51) 2-Hexanone	10.15	43	76838m	0.288	ppbv	
52) Tetrachloroethene	11.21	164	40940m	0.370	ppbv	
53) Toluene	9.80	91	101526m	0.310	ppbv	
54) 1,2-Dibromoethane	10.59	107	72946m	0.402	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	71333m	0.486	ppbv	
57) Chlorobenzene	12.13	112	117421	0.476	ppbv #	94
58) Ethyl Benzene	12.70	91	146413	0.335	ppbv	98
59) m/p-Xylene	12.99	91	281108m	0.732	ppbv	
60) o-Xylene	13.68	91	133236	0.363	ppbv	95
61) Styrene	13.52	104	60917m	0.268	ppbv	
62) Isopropylbenzene	14.66	105	217223	0.395	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	123719m	0.427	ppbv	
64) n-propylbenzene	15.55	120	47748m	0.353	ppbv	
65) tert-Butylbenzene	16.73	119	170929m	0.363	ppbv	
66) Benzyl Chloride	16.97	91	44564m	0.348	ppbv	
67) sec-Butylbenzene	17.28	105	245656	0.362	ppbv	100
69) p-Isopropyltoluene	17.64	119	186775m	0.356	ppbv	
70) n-Butylbenzene	18.55	91	191026m	0.340	ppbv	
71) 2-Chlorotoluene	15.45	91	155651m	0.369	ppbv	
72) 4-Ethyltoluene	15.83	105	127880	0.313	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.99	105	124331	0.314	ppbv	94
74) 1,2,4-Trimethylbenzene	16.75	105	153733m	0.380	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	96430m	0.440	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	84462m	0.371	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	87971m	0.404	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	82777m	0.466	ppbv	
79) Naphthalene	22.21	128	39808m	0.166	ppbv	
80) Naphthalene, 2-methyl-	25.04	142	1979m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	32472m	0.222	ppbv	

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



#1

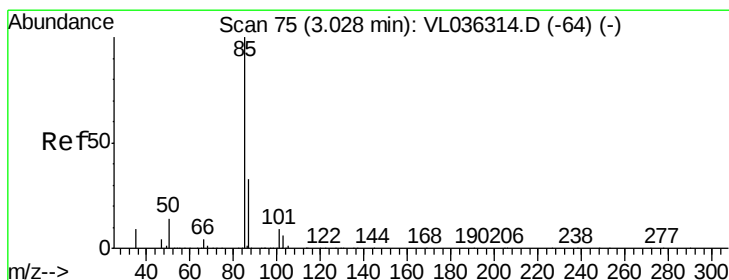
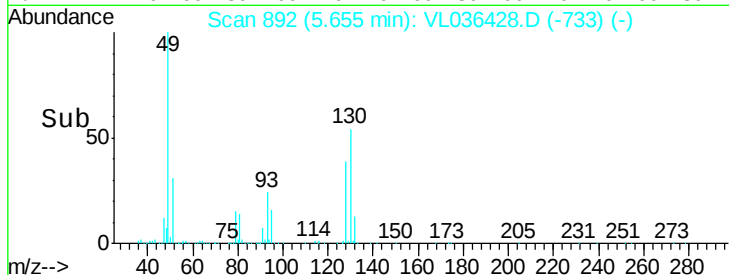
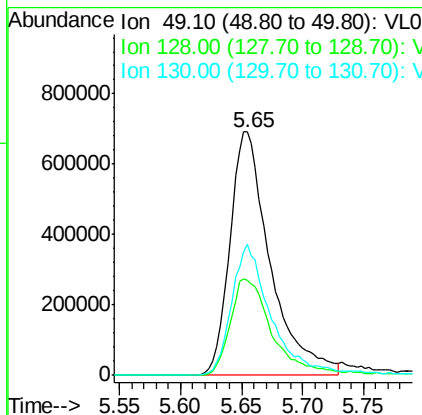
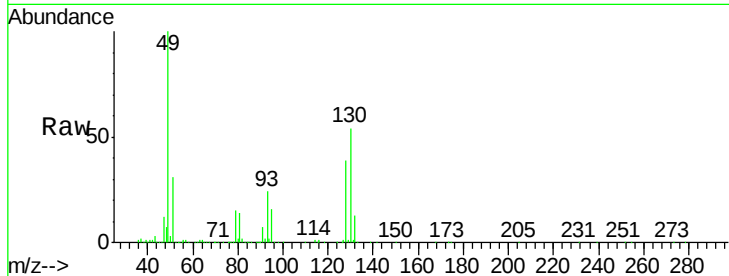
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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Tot Ion: 49 Resp: 1597515
 Ion Ratio Lower Upper
 49 100
 128 42.4 20.8 62.5
 130 53.5 26.7 80.1

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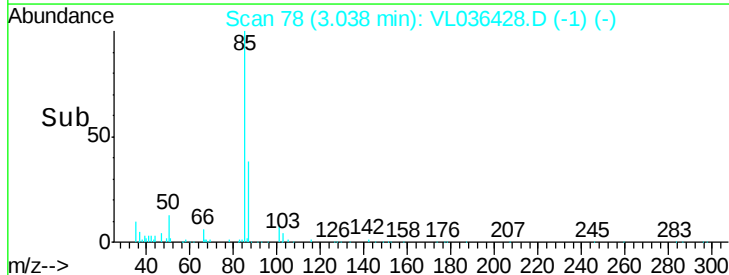
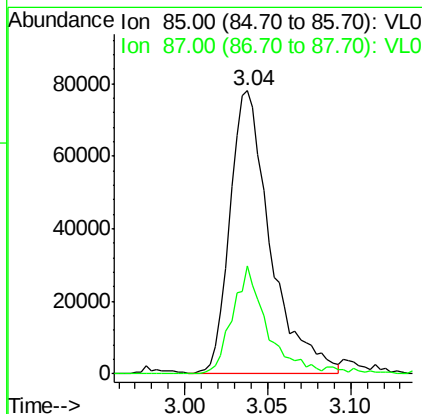
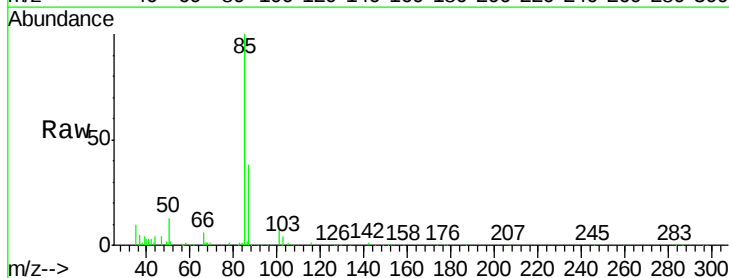
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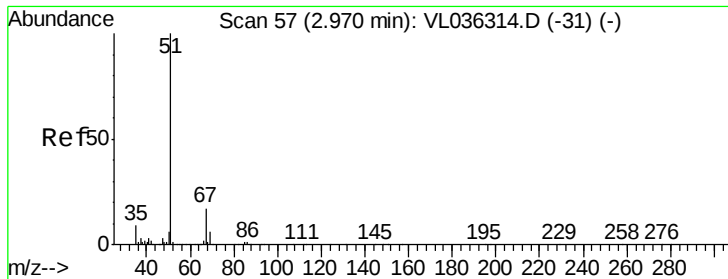


#2

Dichlorodifluoromethane
 Concen: 0.560 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion: 85 Resp: 133408
 Ion Ratio Lower Upper
 85 100
 87 38.3 26.5 39.7





#3

Chlorodifluoromethane

Concen: 0.480 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tot Ion	51	Resp	95190
Ion Ratio	100	Lower	Upper
51	100		
67	16.3	14.7	22.1

Instrument :

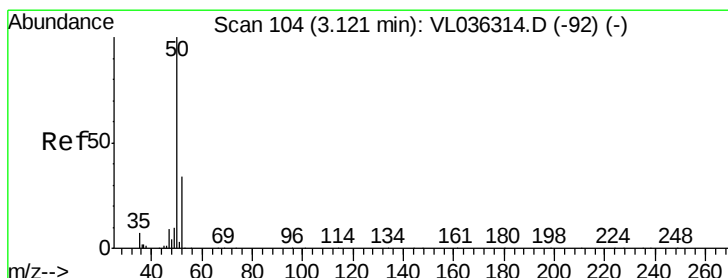
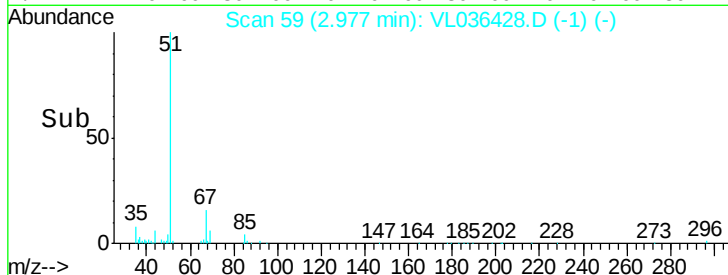
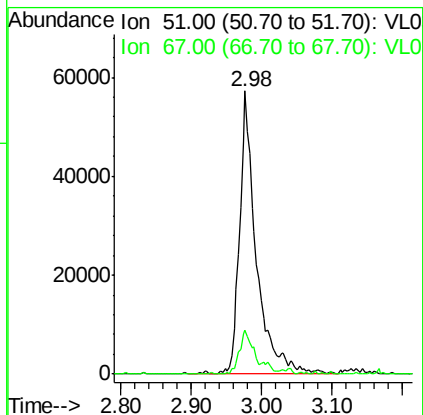
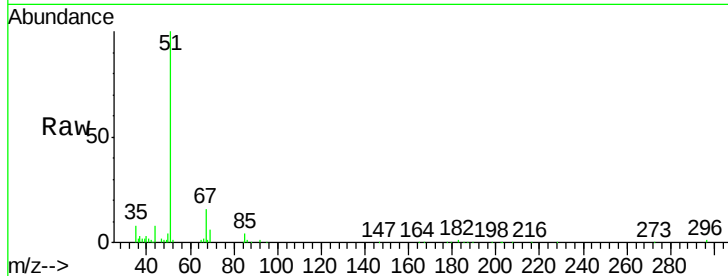
MSVOA_L

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#4

Chloromethane

Concen: 0.476 ppbv

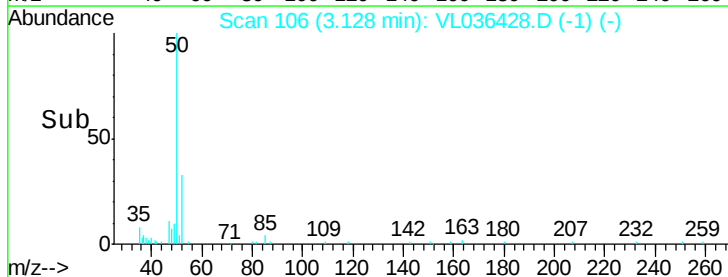
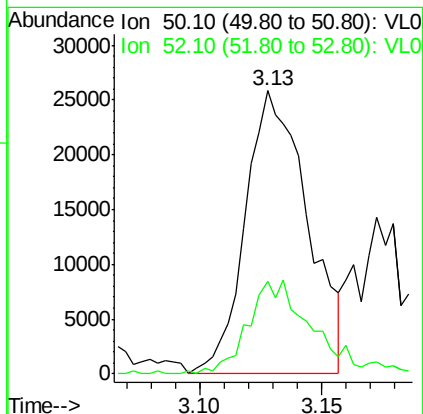
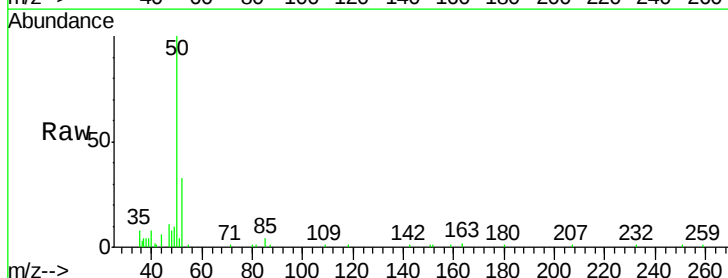
RT: 3.13 min Scan# 106

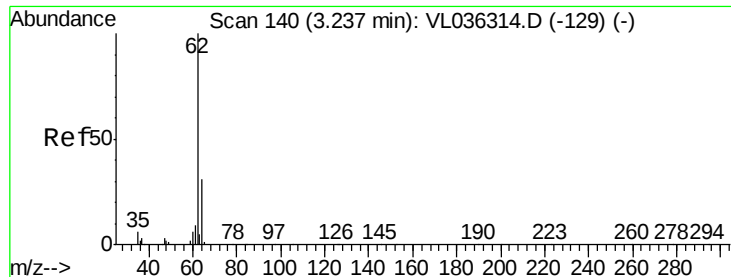
Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion	50	Resp	45624
Ion Ratio	100	Lower	Upper
50	100		
52	31.7	27.0	40.4





#5

Vinyl Chloride

Concen: 0.422 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

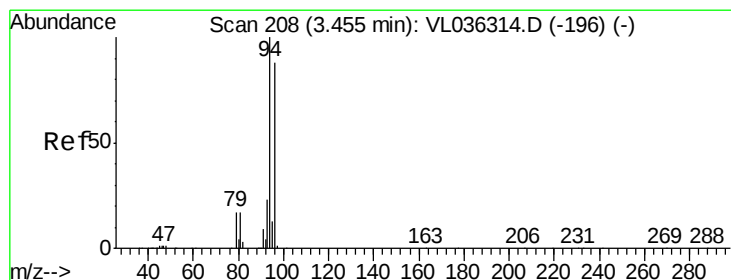
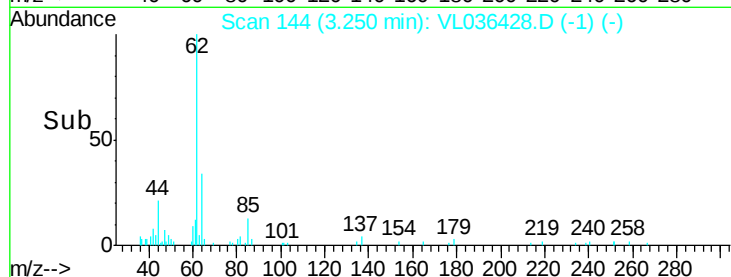
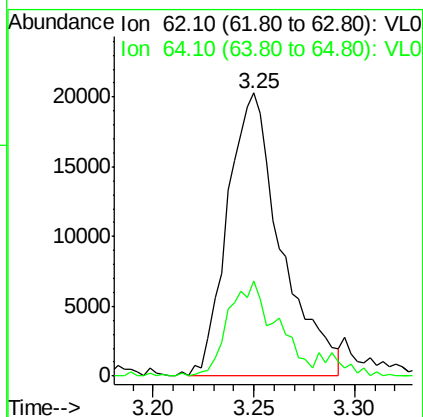
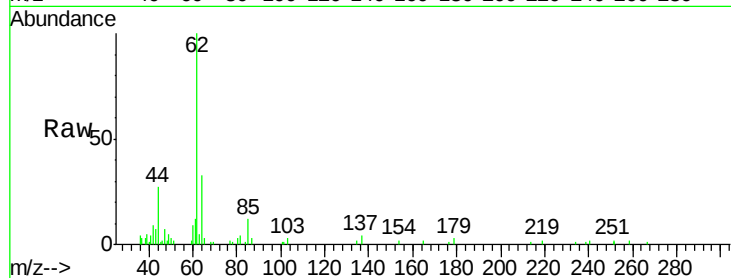
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.4	36.6

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#6

Bromomethane

Concen: 0.507 ppbv m

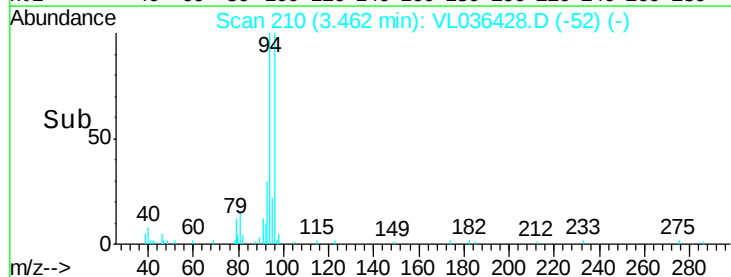
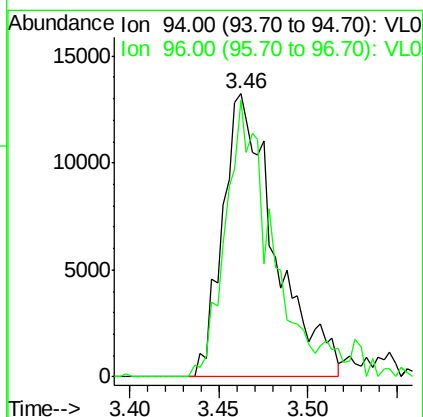
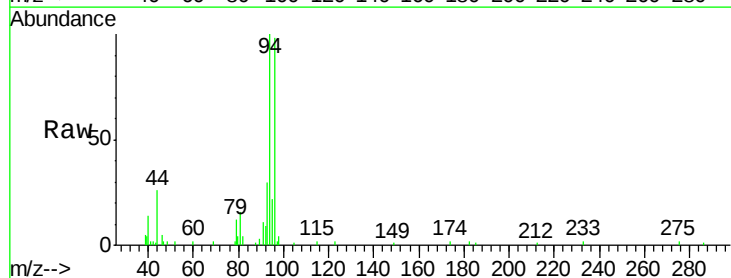
RT: 3.46 min Scan# 210

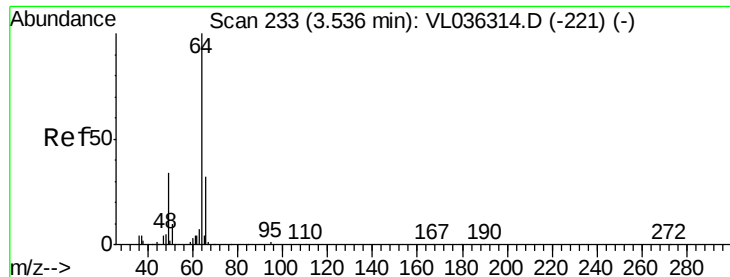
Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
94	100		
96	98.0	70.8	106.2





#7

Chloroethane

Concen: 0.508 ppbv m

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 64 Resp: 16096

Ion Ratio Lower Upper

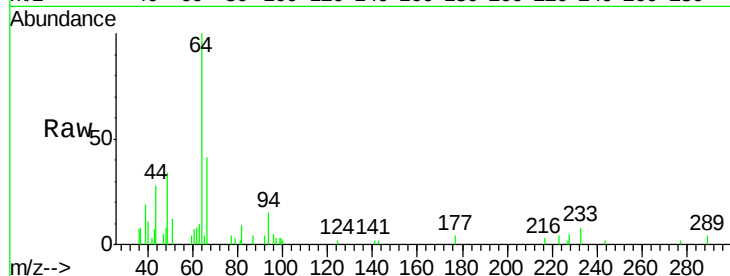
64 100

66 41.4 25.6 38.4#

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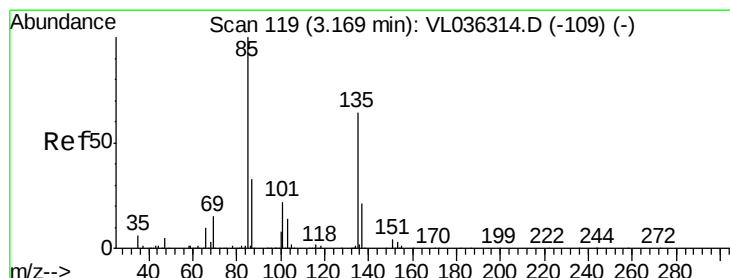
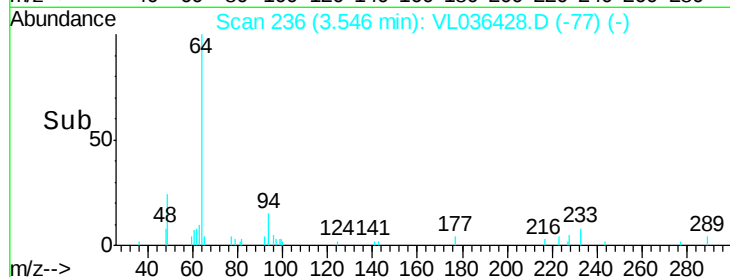
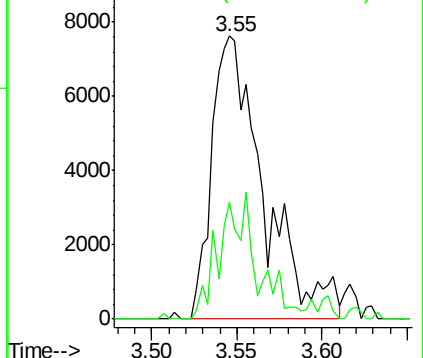
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.452 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036428.D

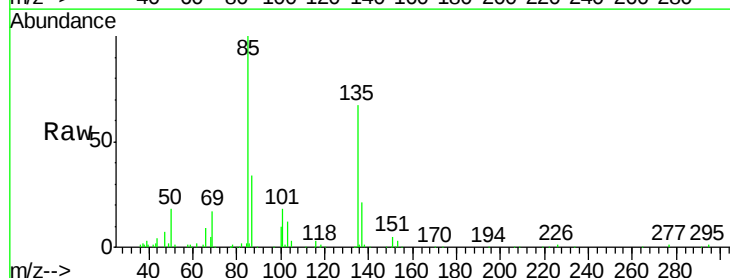
Acq: 2 Mar 2021 14:13

Tgt Ion: 85 Resp: 98005

Ion Ratio Lower Upper

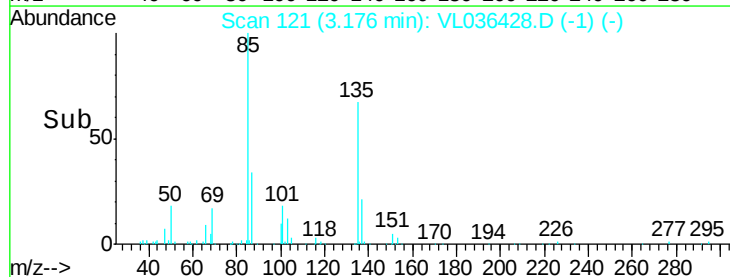
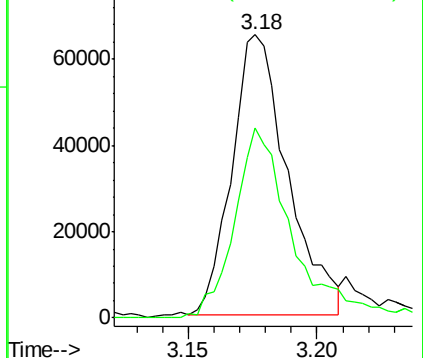
85 100

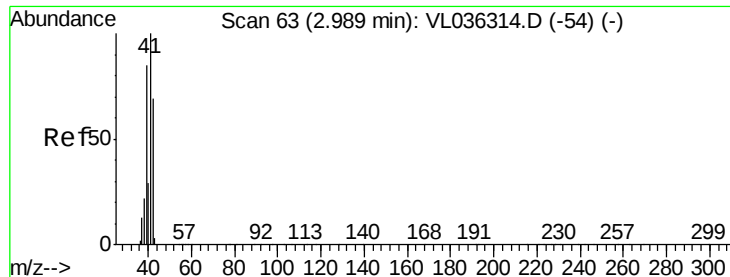
135 72.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.532 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

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MSVOA_L

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MDL-AIR-01-QT1-2021

Tot Ion: 41 Resp: 39377

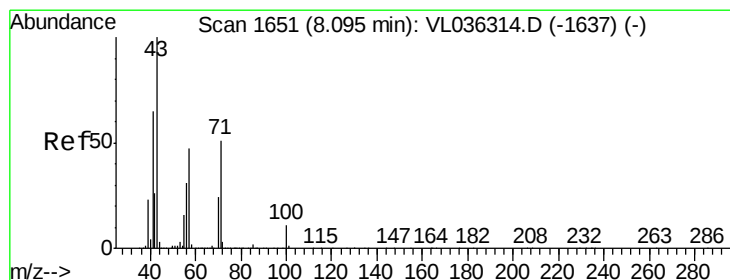
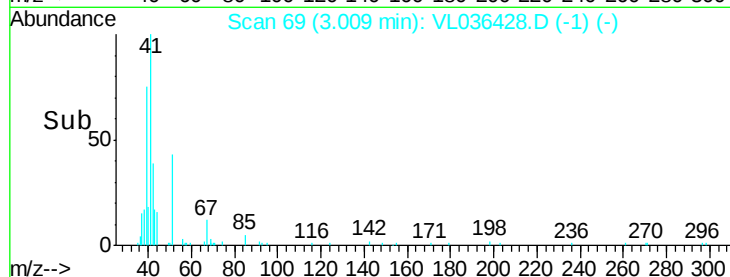
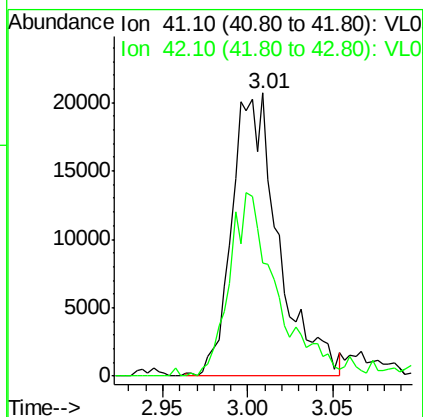
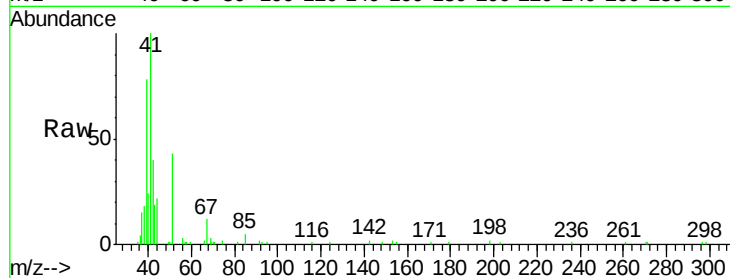
Ion Ratio Lower Upper

41 100

42 68.2 56.2 84.2

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#10

Heptane

Concen: 0.317 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036428.D

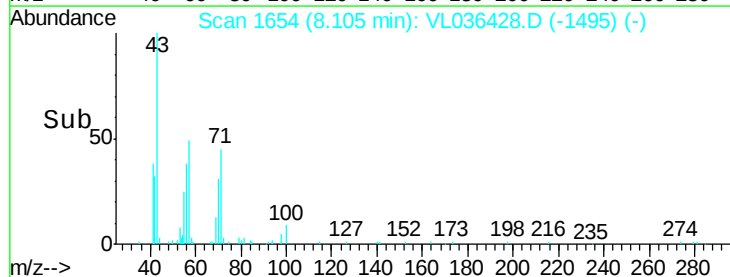
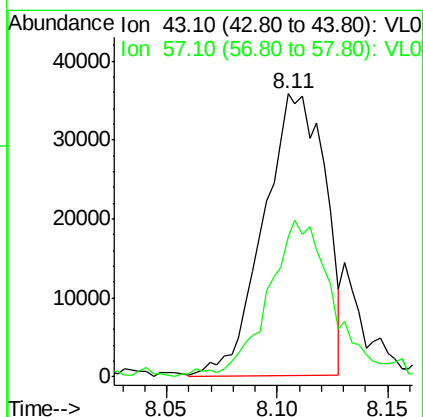
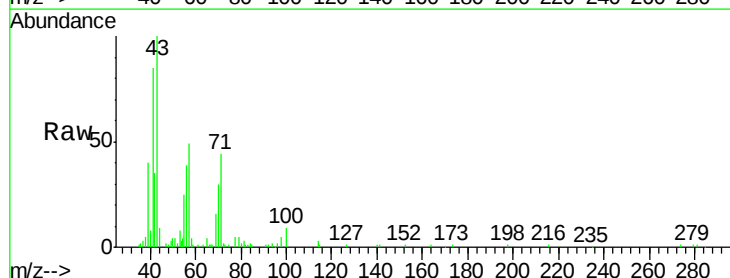
Acq: 2 Mar 2021 14:13

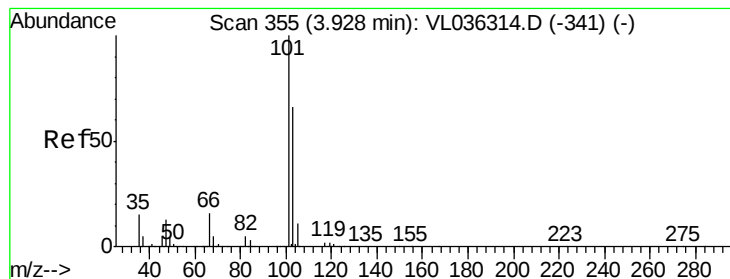
Tgt Ion: 43 Resp: 69170

Ion Ratio Lower Upper

43 100

57 61.1 39.4 59.2#





#11

Trichlorofluoromethane

Concen: 0.463 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:101 Resp: 107981

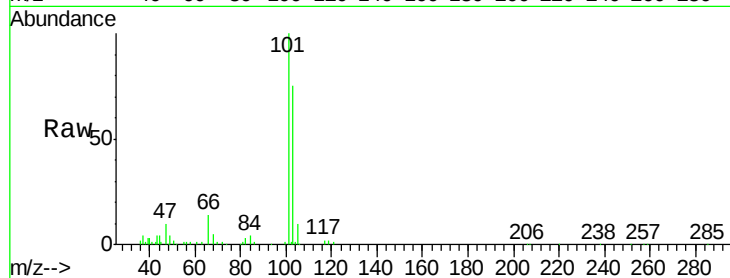
Ion Ratio Lower Upper

101 100

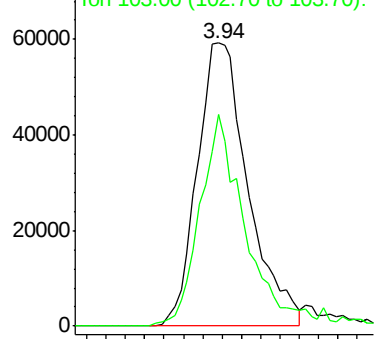
103 74.5 52.9 79.3

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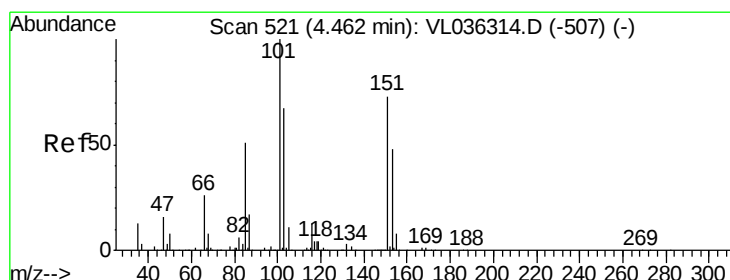
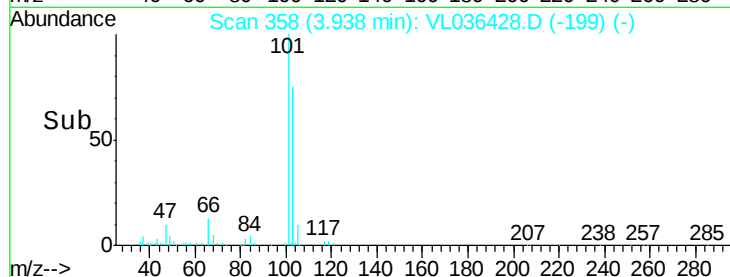
MMDadoda
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.460 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL036428.D

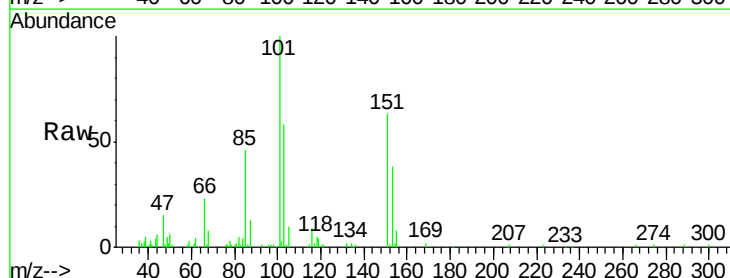
Acq: 2 Mar 2021 14:13

Tgt Ion:101 Resp: 66552

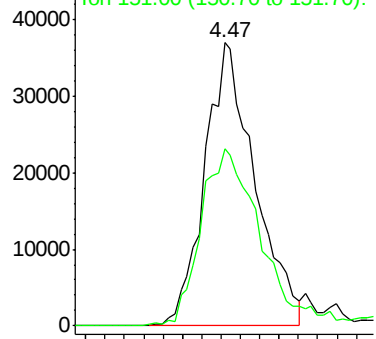
Ion Ratio Lower Upper

101 100

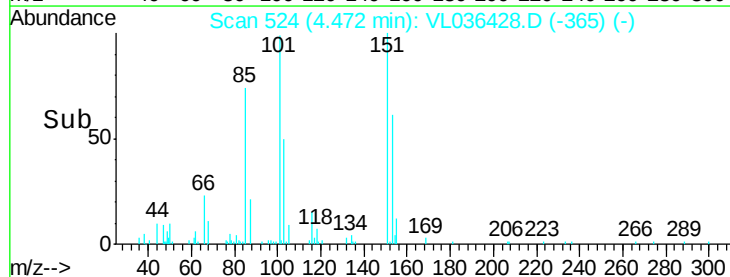
151 77.2 58.2 87.4

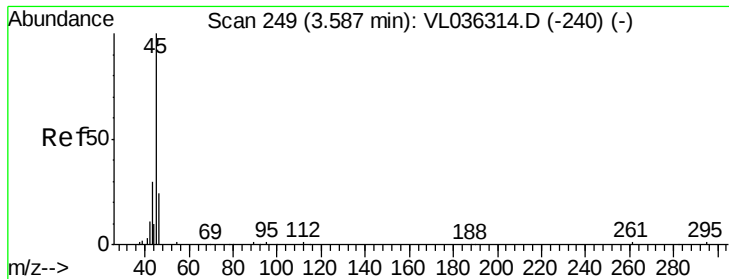


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 151.00 (150.70 to 151.70): V



Time-->





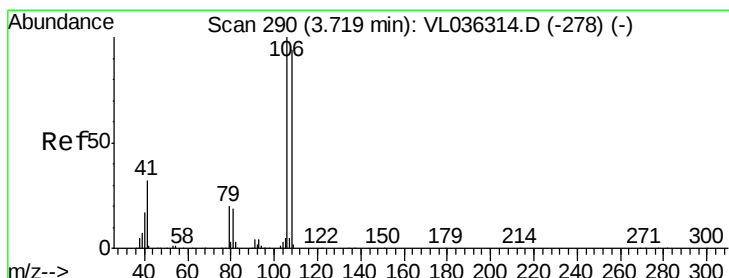
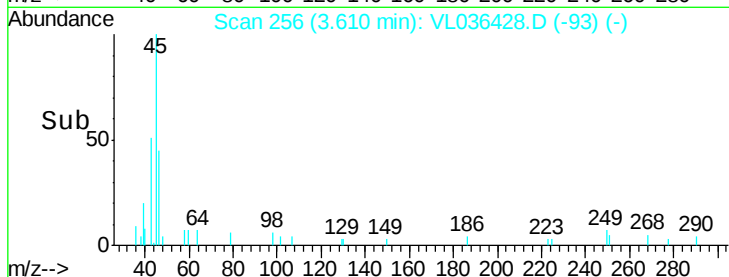
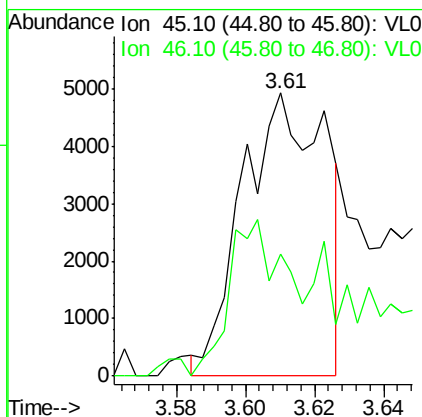
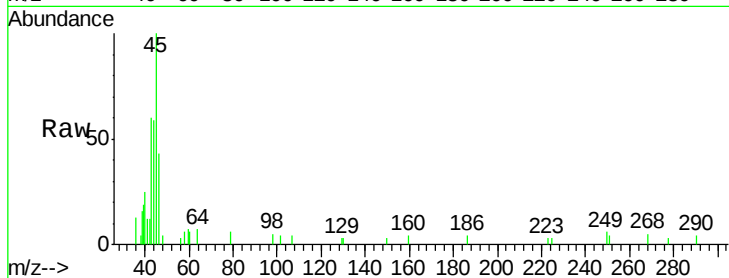
#13
Ethanol
Concen: 0.591 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion: 45 Resp: 8214
Ion Ratio Lower Upper
45 100
46 91.8 17.7 70.7#

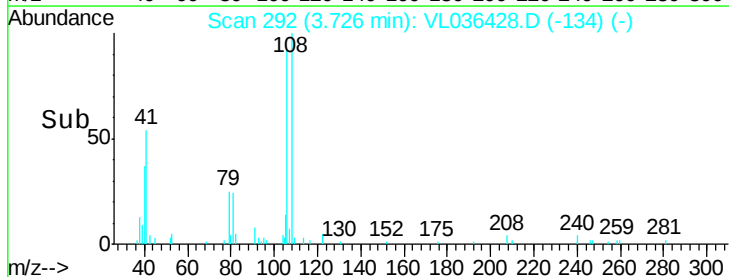
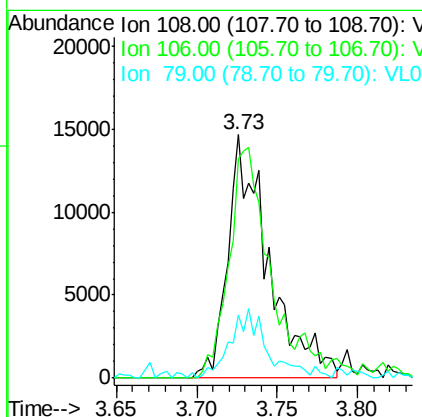
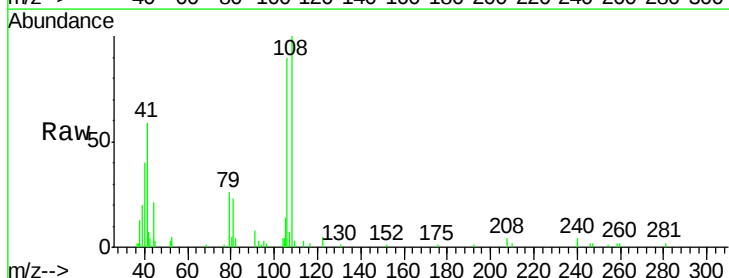
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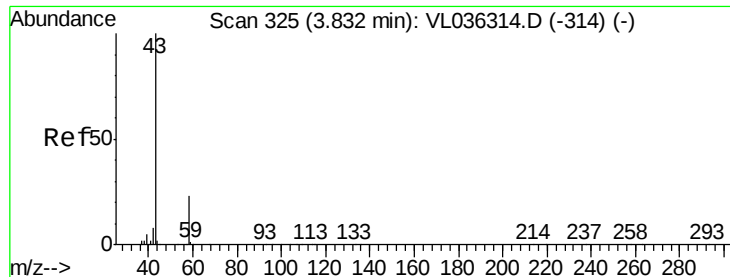
MMDadoda
3/3/2021 1:52:33 PM



#14
Bromoethene
Concen: 0.429 ppbv m
RT: 3.73 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 108 Resp: 25945
Ion Ratio Lower Upper
108 100
106 105.1 89.8 134.8
79 28.0 17.1 25.7#





#15

Acetone

Concen: 0.517 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 43 Resp: 101040

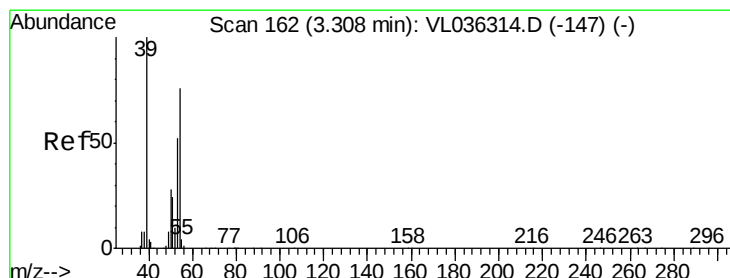
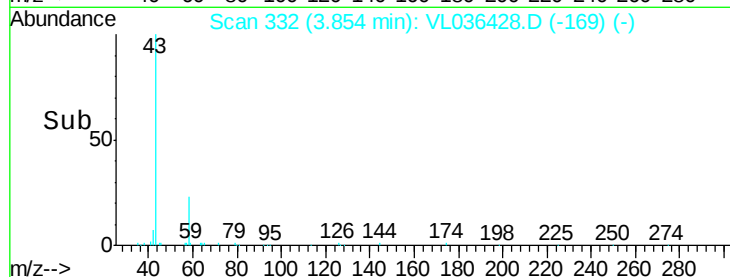
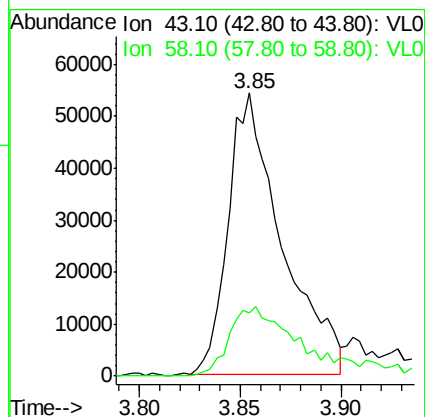
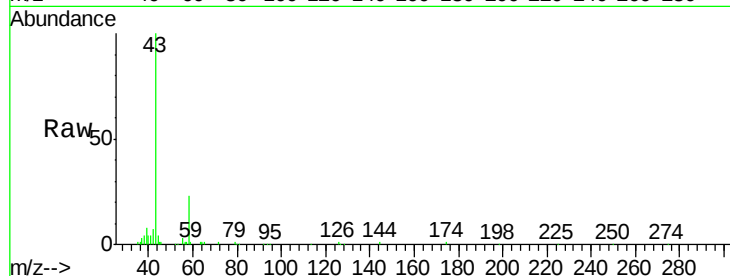
Ion Ratio Lower Upper

43 100

58 36.2 20.3 30.5#

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#16

1,3-Butadiene

Concen: 0.446 ppbv m

RT: 3.32 min Scan# 165

Delta R.T. 0.01 min

Lab File: VL036428.D

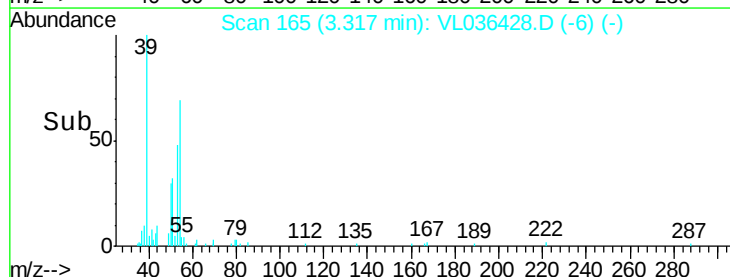
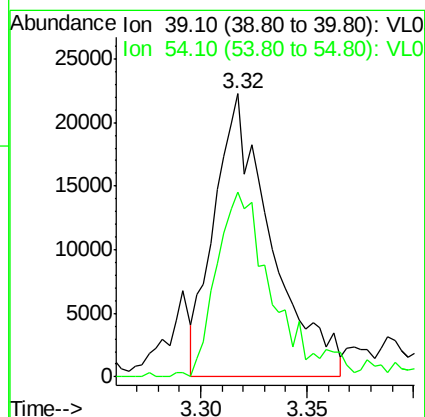
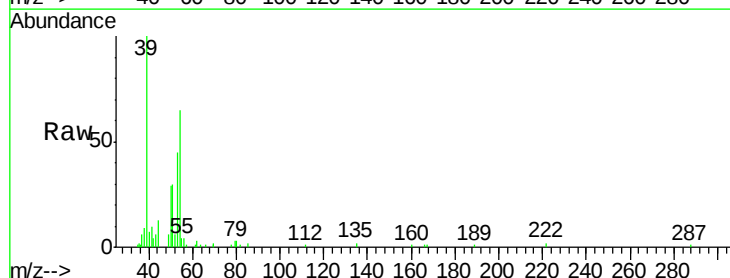
Acq: 2 Mar 2021 14:13

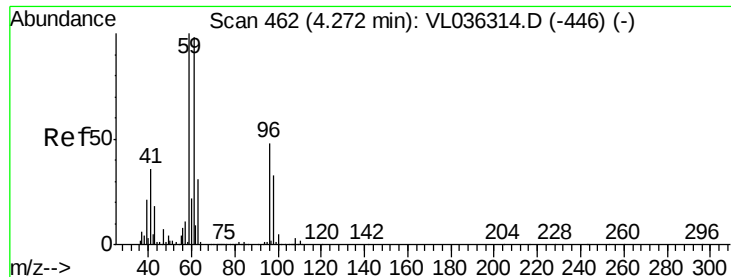
Tgt Ion: 39 Resp: 41624

Ion Ratio Lower Upper

39 100

54 65.6 64.4 96.6





#17

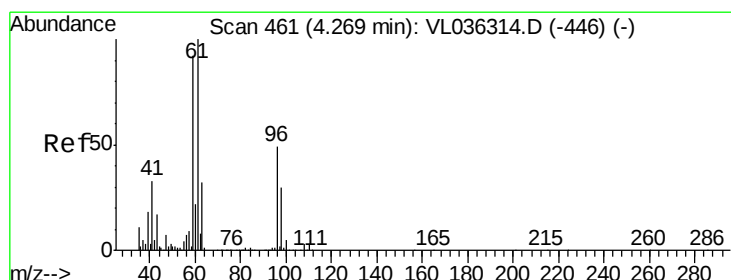
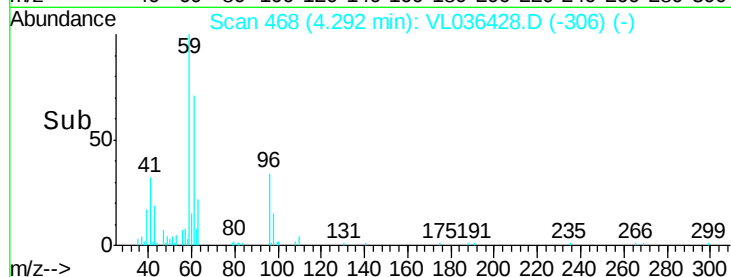
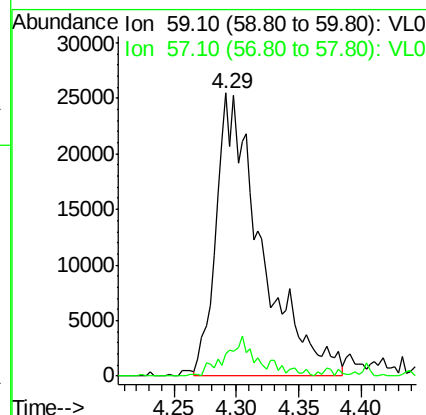
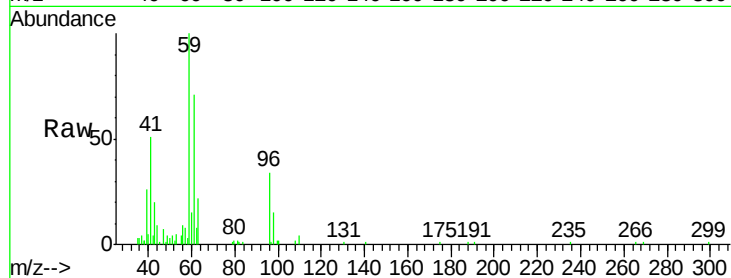
tert-Butyl alcohol
Concen: 0.425 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

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

Manual Integrations
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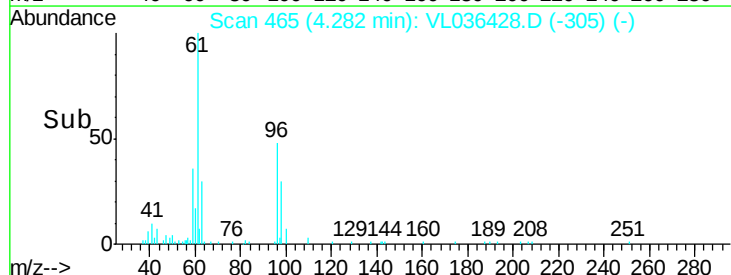
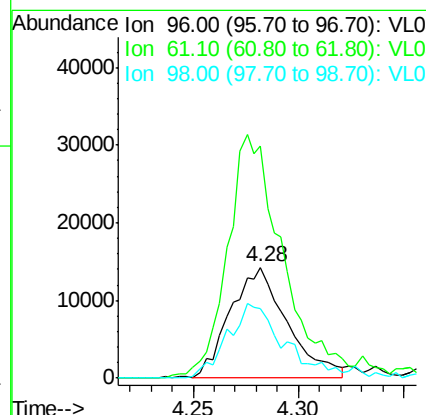
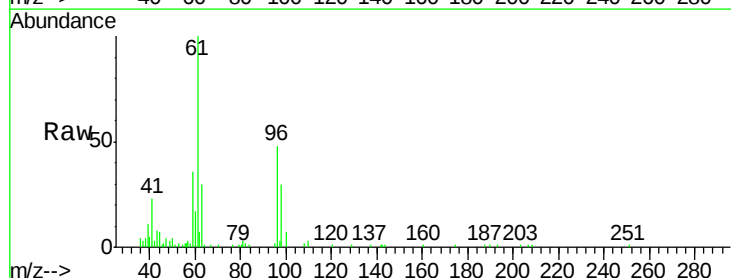
MMDadoda
3/3/2021 1:52:33 PM

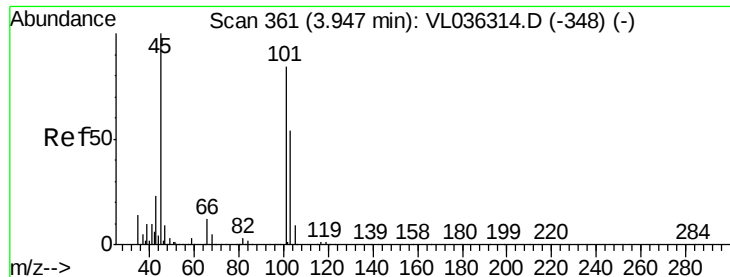


#18

1,1-Dichloroethene
Concen: 0.408 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.6	162.5	243.7
98	61.2	48.5	72.7





#19

Isopropyl Alcohol

Concen: 0.383 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 45 Resp: 41451

Ion Ratio Lower Upper

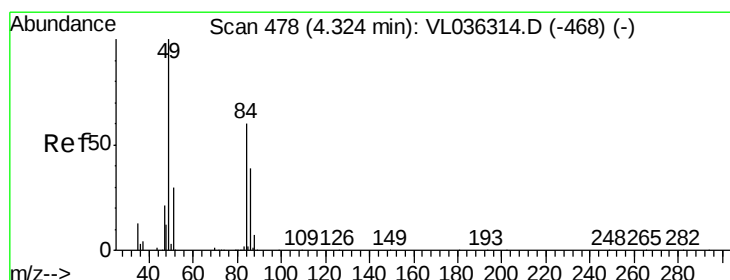
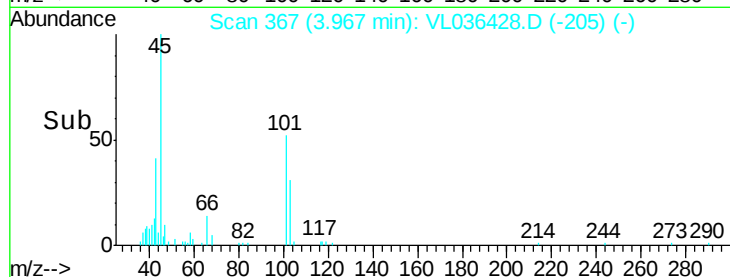
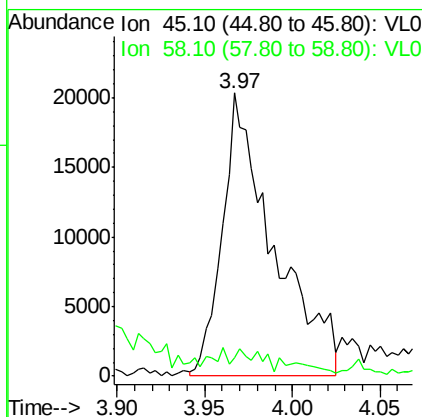
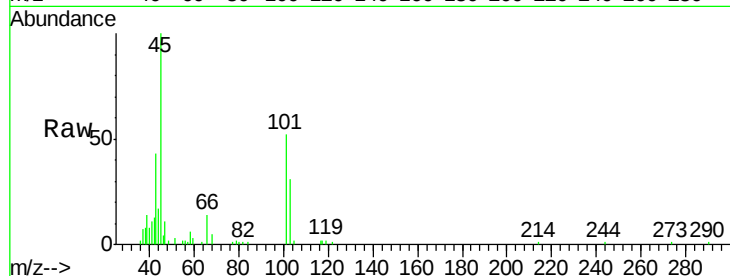
45 100

58 11.0 1.9 2.9#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.428 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion: 84 Resp: 26961

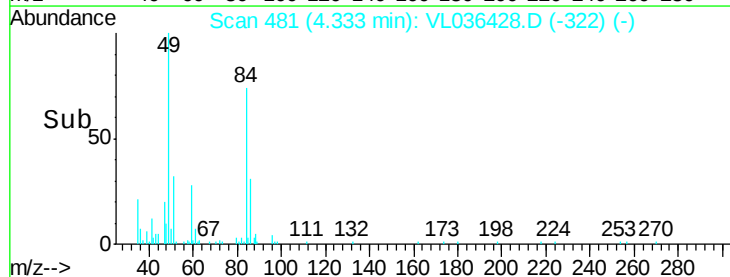
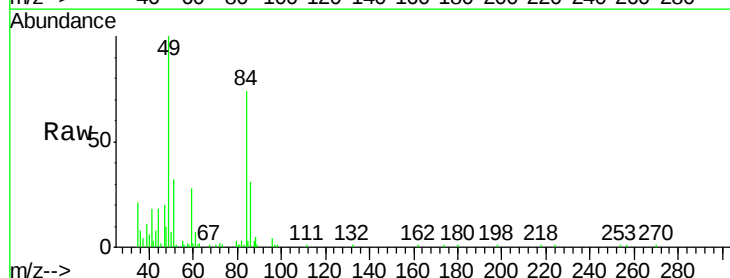
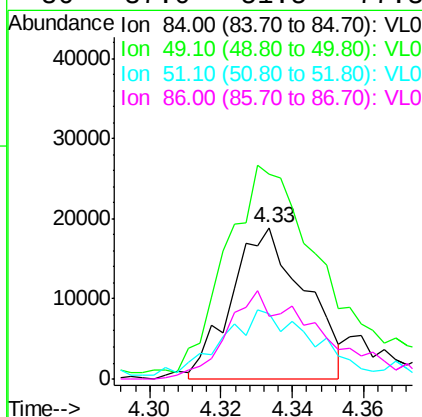
Ion Ratio Lower Upper

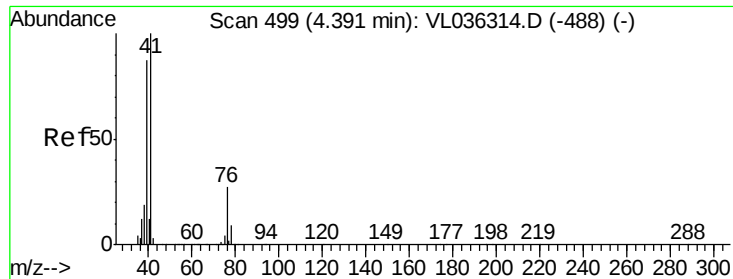
84 100

49 119.4 133.8 200.8#

51 33.7 41.4 62.0#

86 37.0 51.5 77.3#





#21

Allvl Chloride

Concen: 0.436 ppbv m

RT: 4.40 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

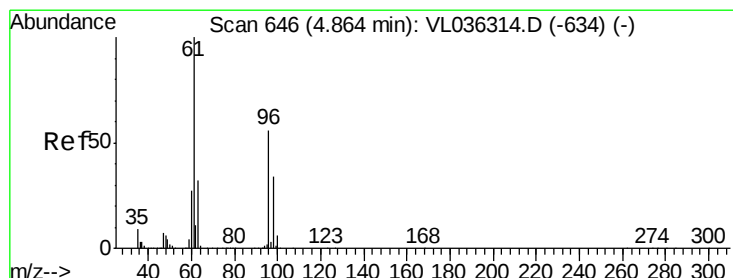
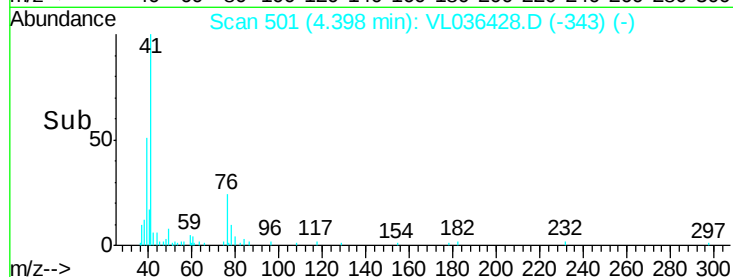
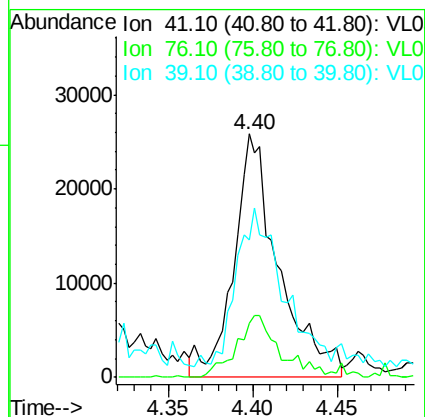
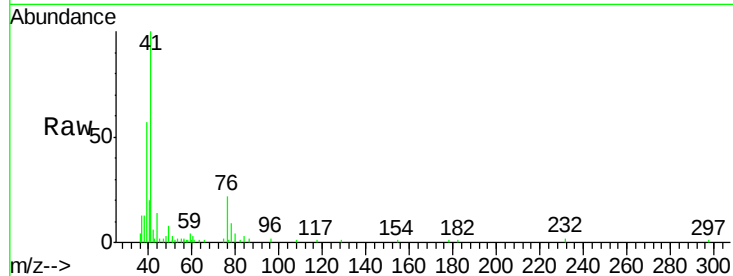
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	41	Resp:	47373
Ion	Ratio	Lower	Upper
41	100		
76	26.2	22.0	33.0
39	82.5	70.2	105.2

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3/3/2021 1:52:33 PM



#22

trans-1,2-Dichloroethene

Concen: 0.464 ppbv m

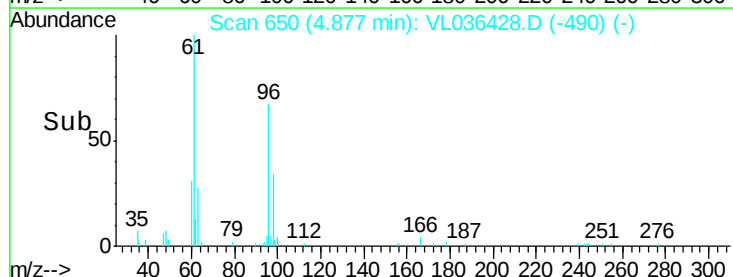
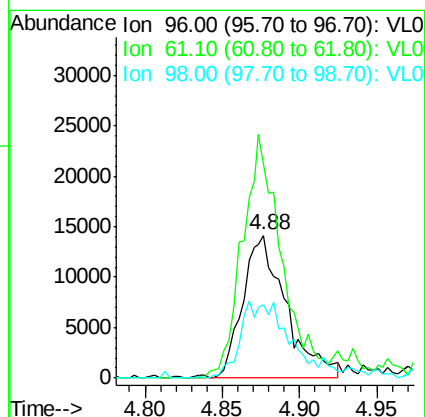
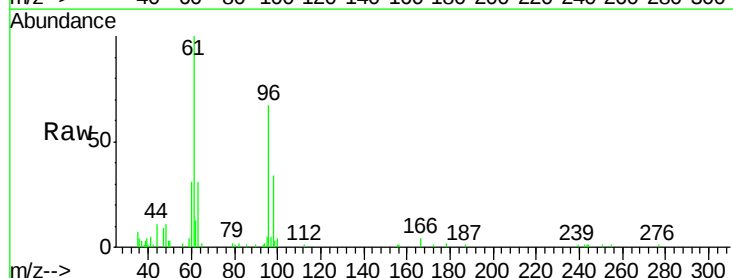
RT: 4.88 min Scan# 650

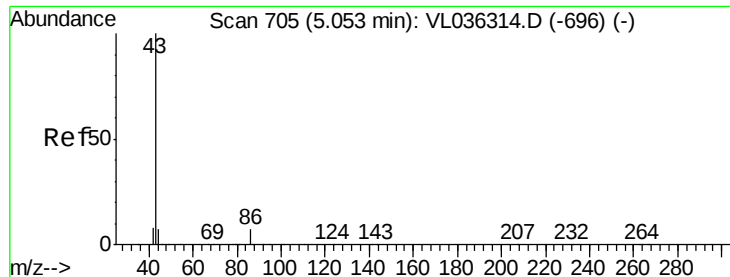
Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion:	96	Resp:	27723
Ion	Ratio	Lower	Upper
96	100		
61	150.1	143.7	215.5
98	51.2	48.5	72.7





#23

Vinyl Acetate

Concen: 0.351 ppbv m

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

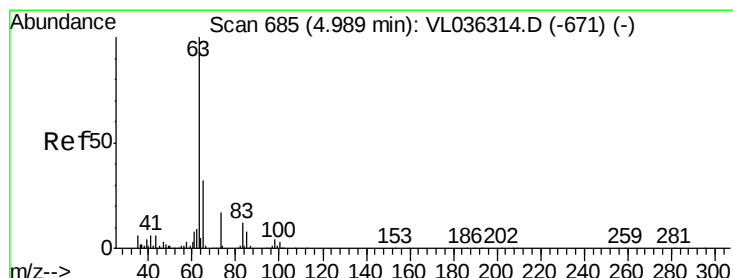
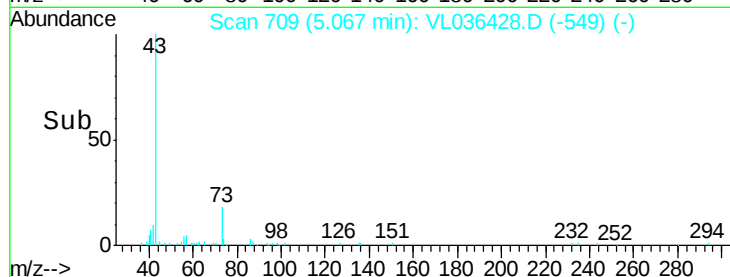
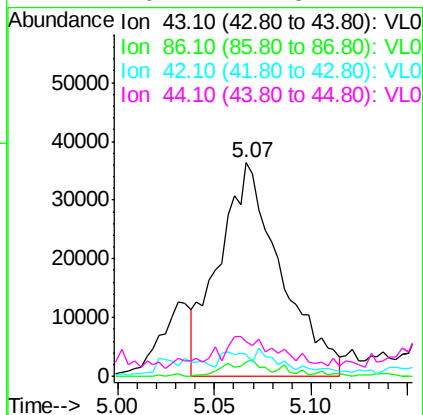
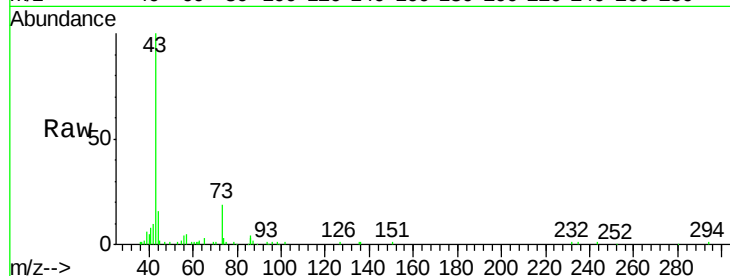
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion	43	Resp	80706
Ion Ratio	Lower	Upper	
43	100		
86	3.5	4.8	7.2#
42	10.3	7.4	11.0
44	16.4	4.8	7.2#

Manual Integrations
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3/3/2021 1:52:33 PM



#24

1,1-Dichloroethane

Concen: 0.426 ppbv

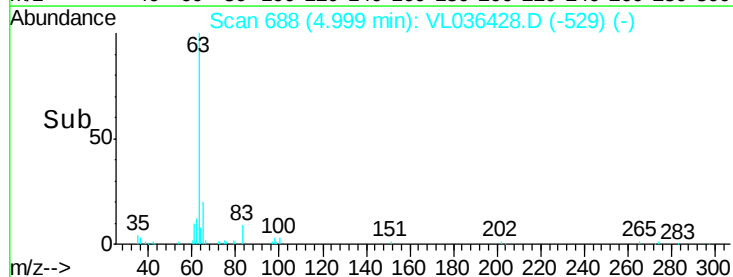
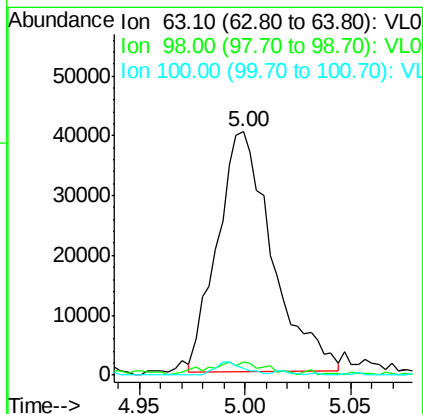
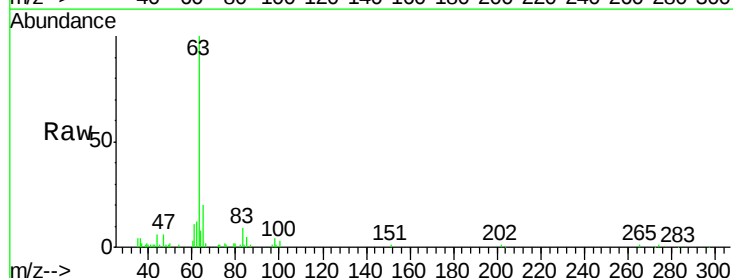
RT: 5.00 min Scan# 688

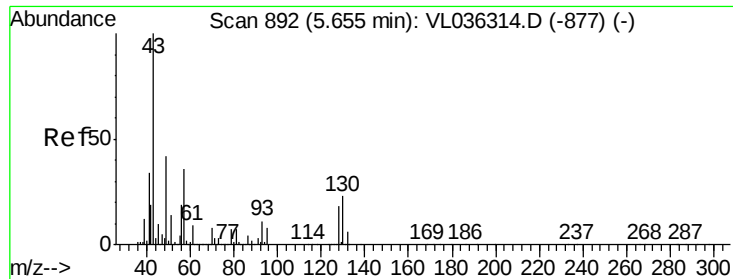
Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion	63	Resp	72328
Ion Ratio	Lower	Upper	
63	100		
98	5.0	2.0	6.0
100	2.8	1.5	4.4





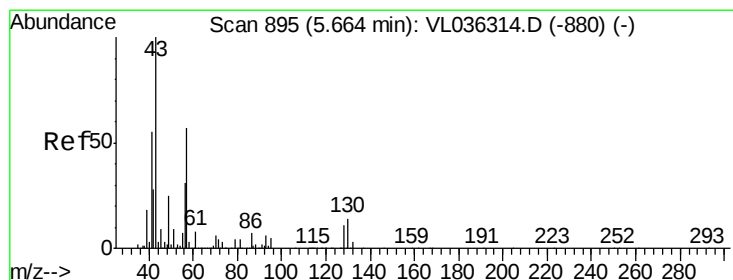
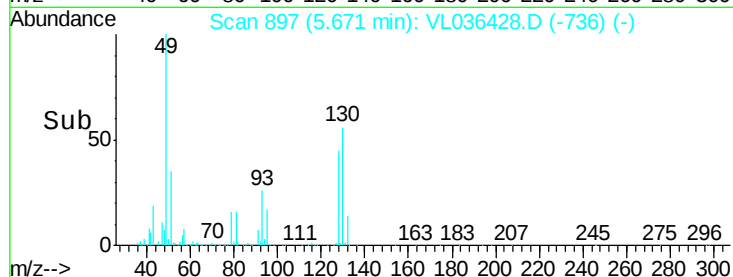
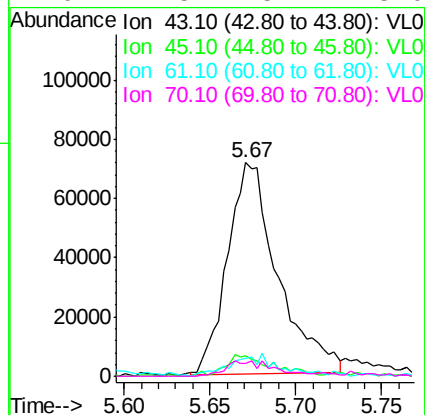
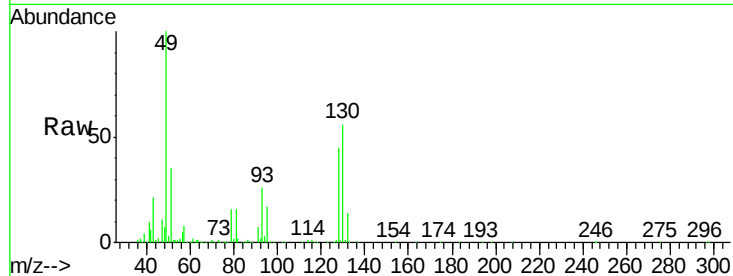
#25
Ethyl Acetate
Concen: 0.385 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.7	8.3	12.5		
61	10.9	7.3	10.9		
70	7.5	5.4	8.0		

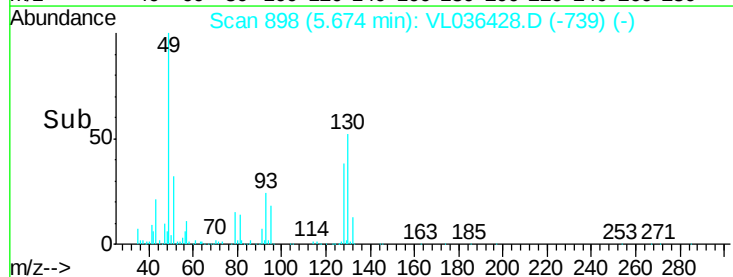
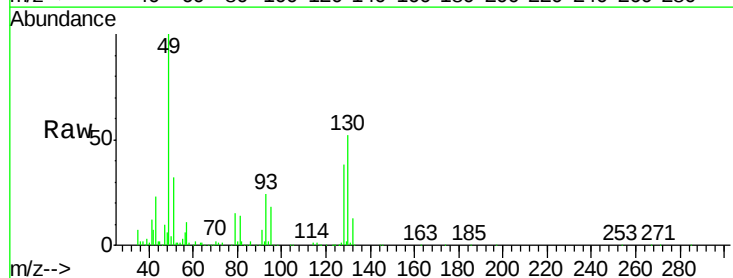
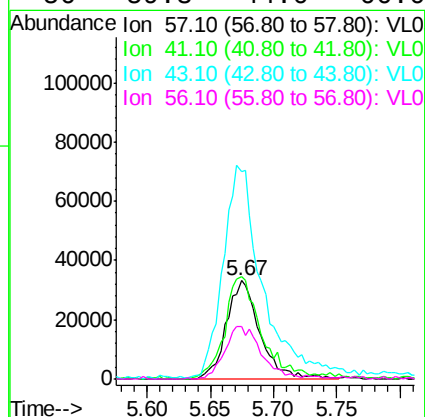
Manual Integrations
APPROVED

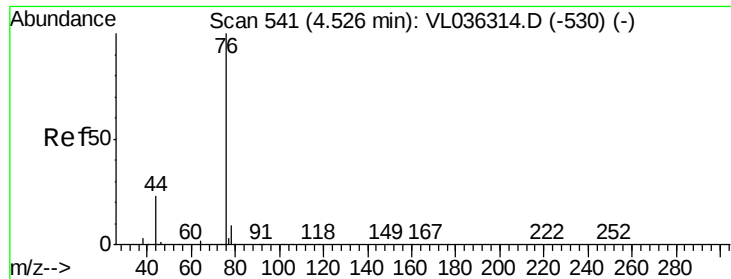
MMDadoda
3/3/2021 1:52:33 PM



#26
Hexane
Concen: 0.396 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	119.0	81.7	122.5		
43	275.4	199.1	298.7		
56	59.3	44.0	66.0		





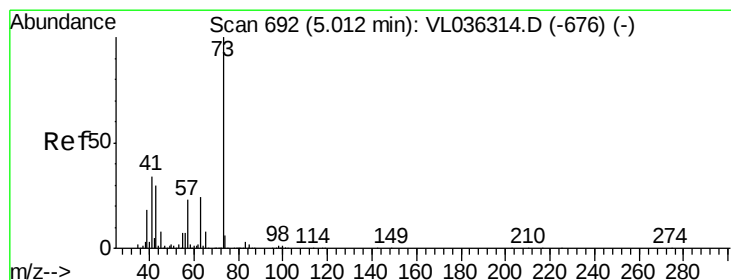
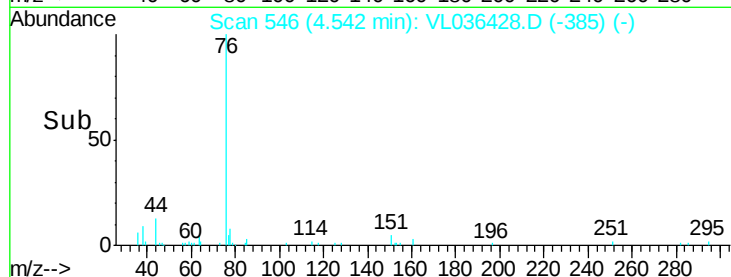
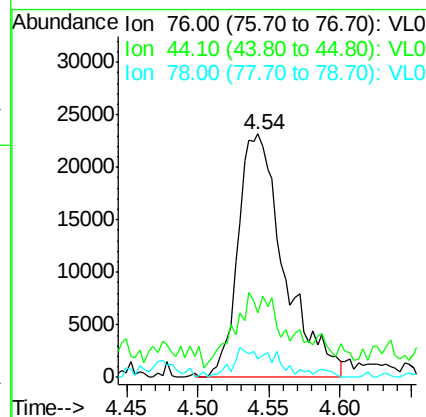
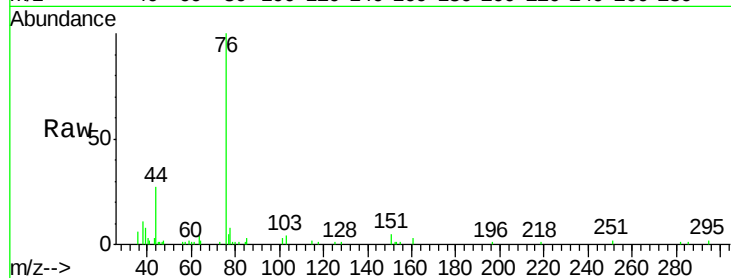
#27
Carbon Disulfide
Concen: 0.367 ppbv m
RT: 4.54 min Scan# 546
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
76	100		
44	33.8	18.4	27.6#
78	12.2	8.0	12.0#

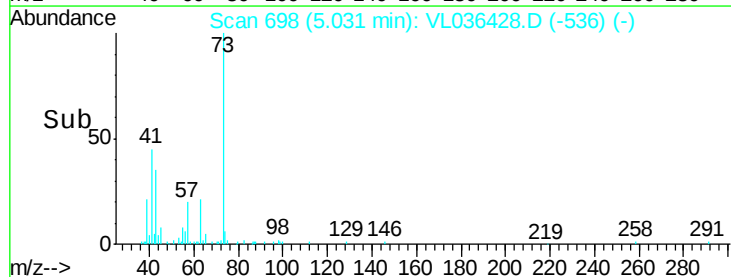
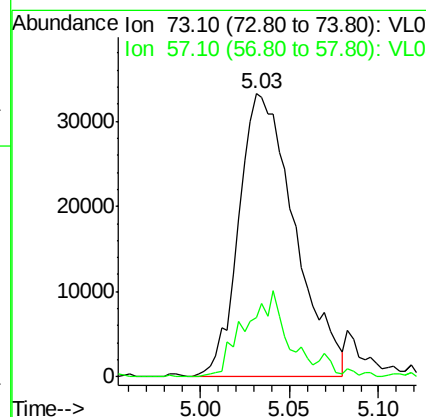
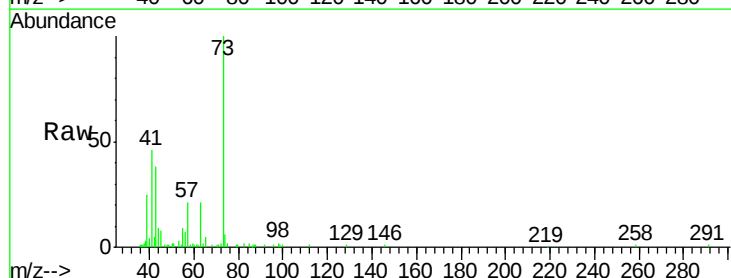
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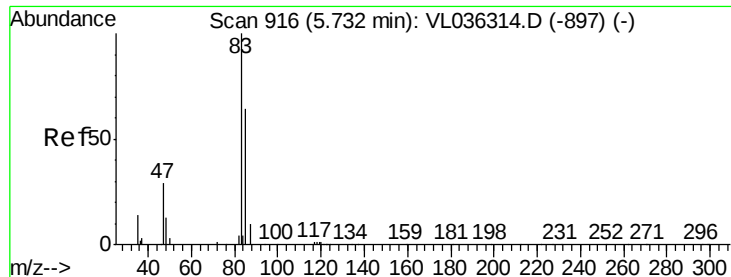
MMDadoda
3/3/2021 1:52:33 PM



#28
Methyl tert-Butyl Ether
Concen: 0.358 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.6	19.2	28.8





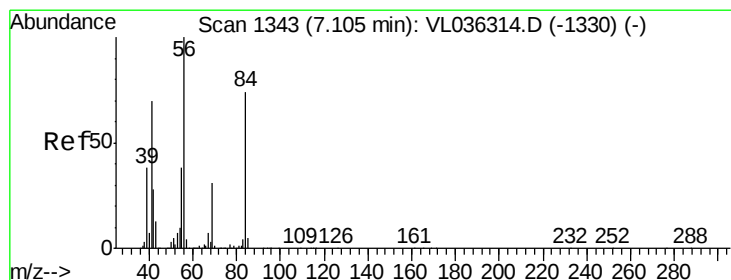
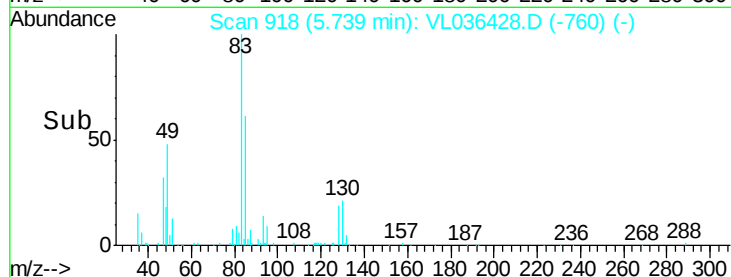
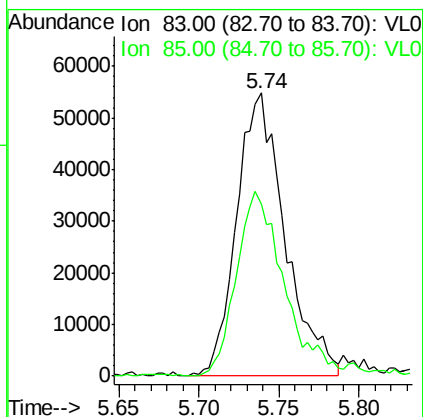
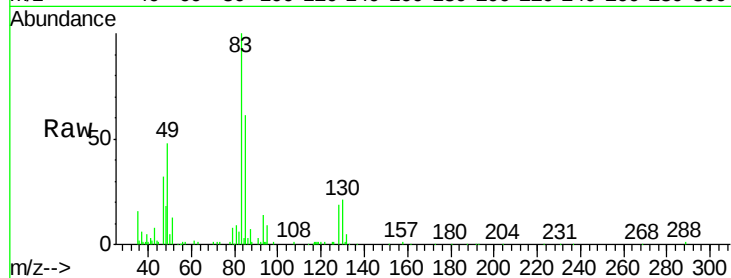
#29
Chloroform
Concen: 0.454 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	83	Resp	113379
Ion Ratio	100	Lower	Upper
83	100		
85	60.8	51.4	77.2

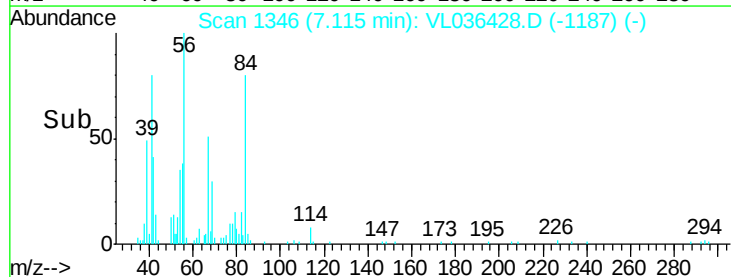
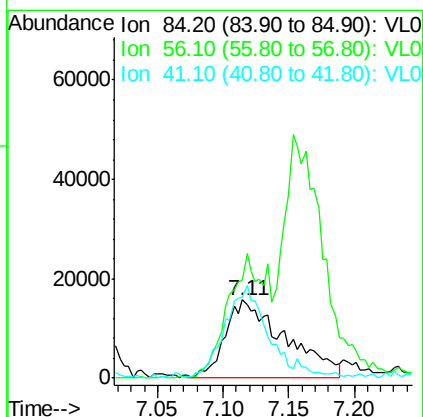
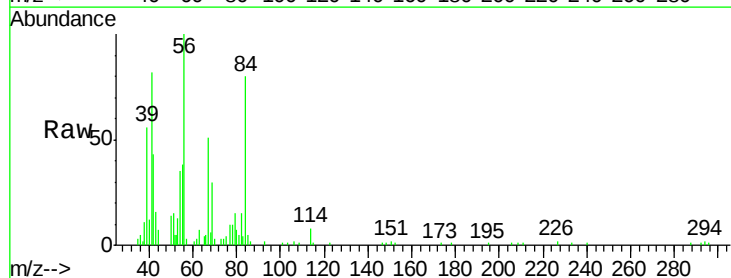
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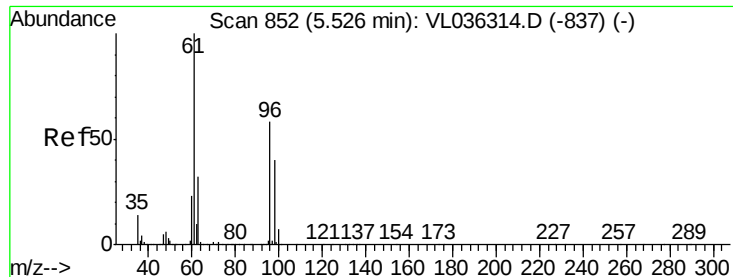
MMDadoda
3/3/2021 1:52:33 PM



#30
Cyclohexane
Concen: 0.390 ppbv m
RT: 7.11 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	84	Resp	50176
Ion Ratio	100	Lower	Upper
84	100		
56	100.5	120.2	180.4#
41	88.4	79.7	119.5





#31

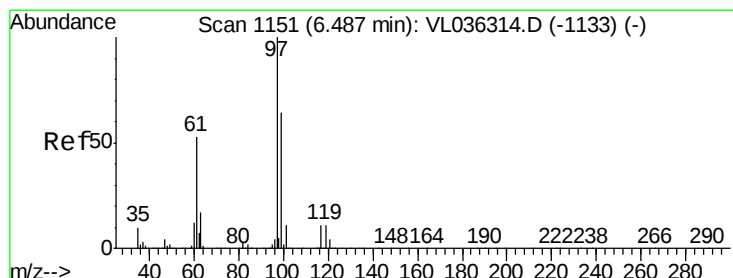
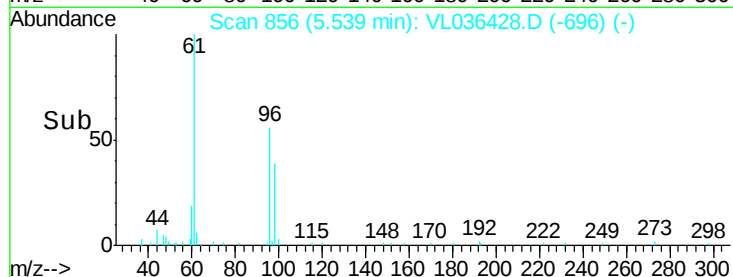
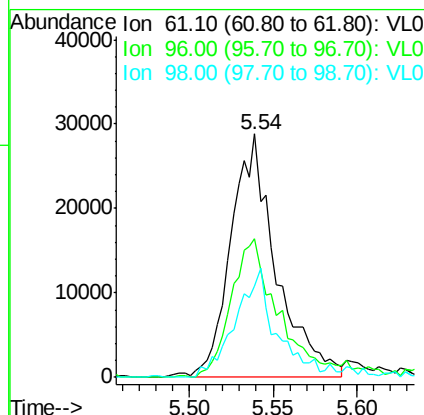
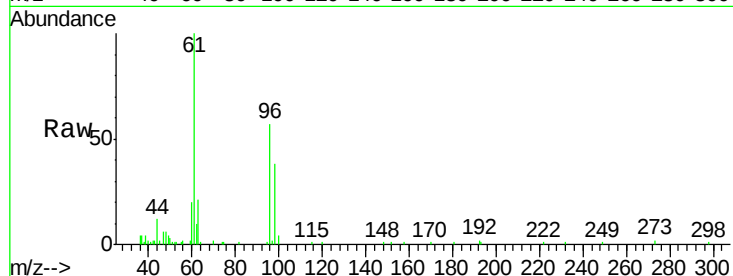
cis-1,2-Dichloroethene
Concen: 0.351 ppbv m
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	61	Resp:	53809
Ion	Ratio	Lower	Upper
61	100		
96	56.8	46.0	69.0
98	37.7	31.9	47.9

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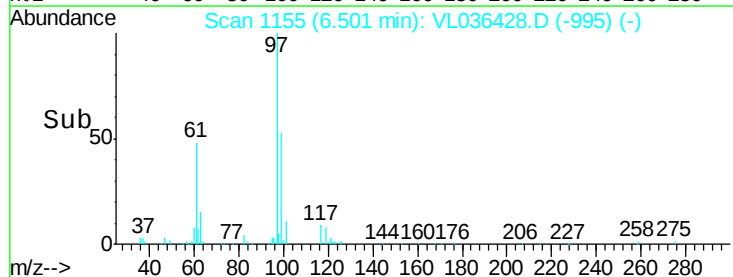
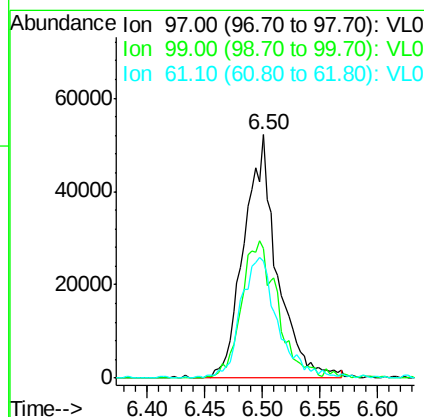
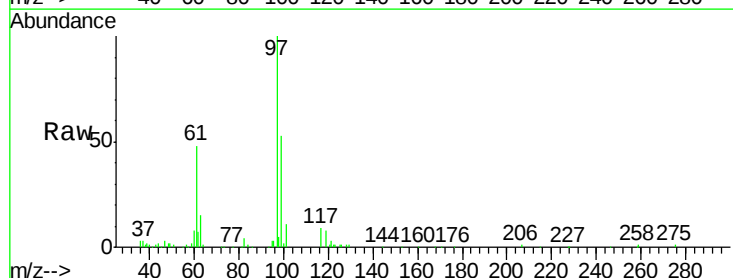
MMDadoda
3/3/2021 1:52:33 PM

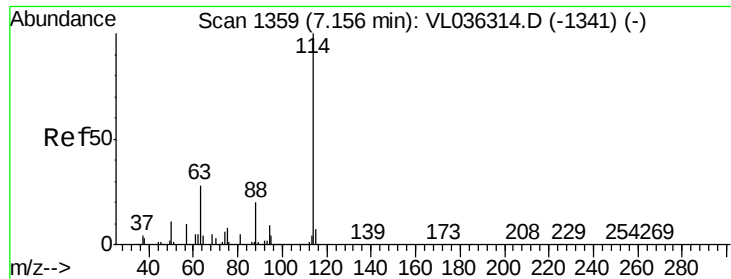


#32

1,1,1-Trichloroethane
Concen: 0.445 ppbv m
RT: 6.50 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	97	Resp:	103838
Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.2	78.4
61	56.0	43.3	64.9





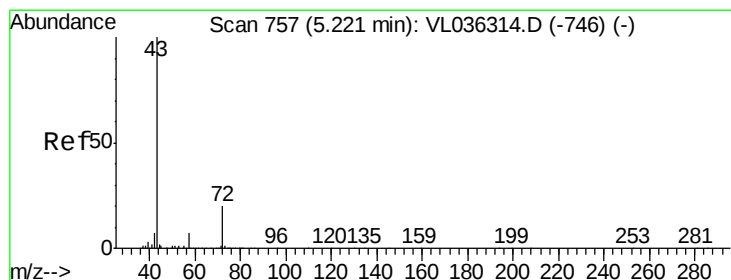
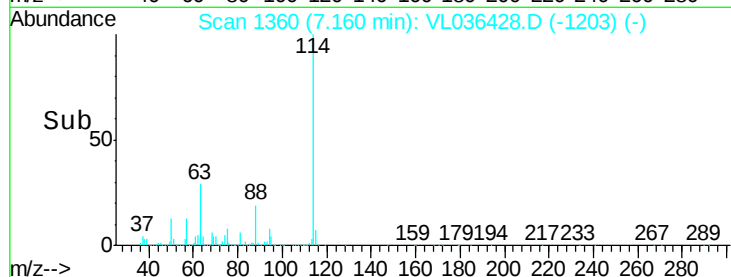
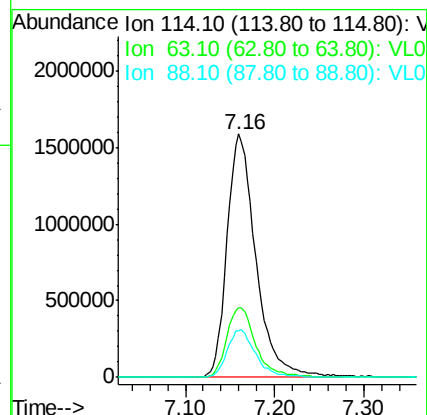
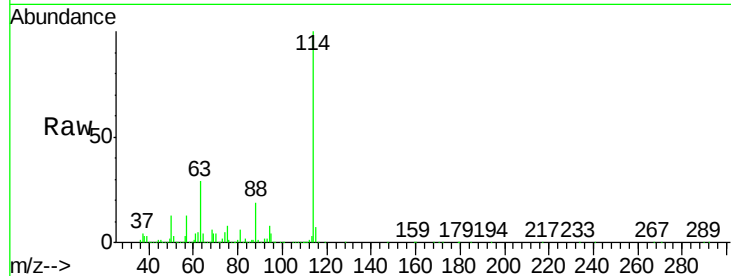
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	24.1	36.1
88	19.6	16.0	24.0

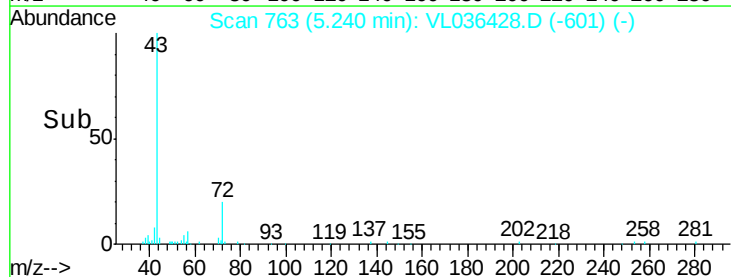
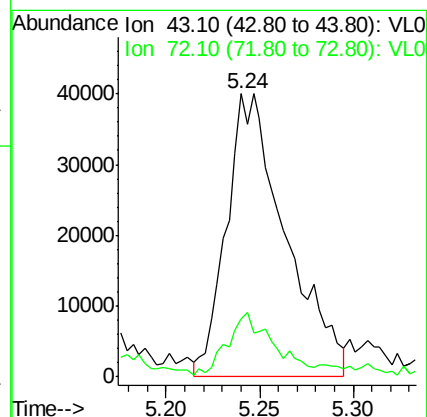
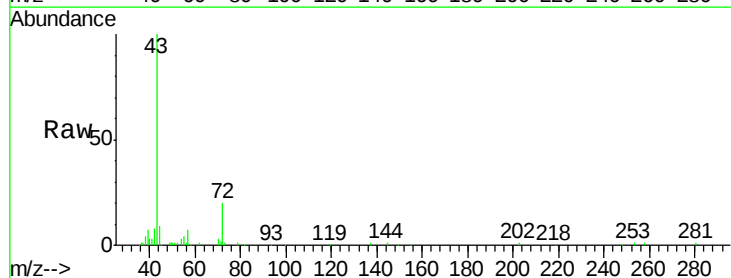
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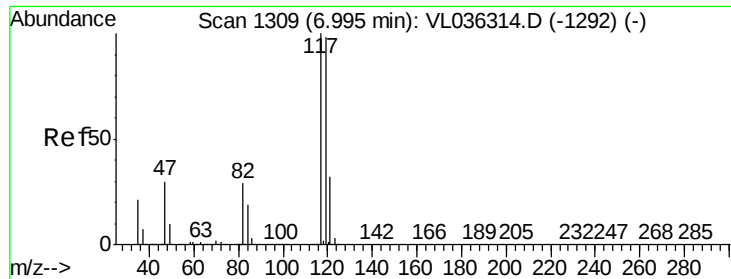
MMDadoda
 3/3/2021 1:52:33 PM



#34
 2-Butanone
 Concen: 0.373 ppbv m
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#





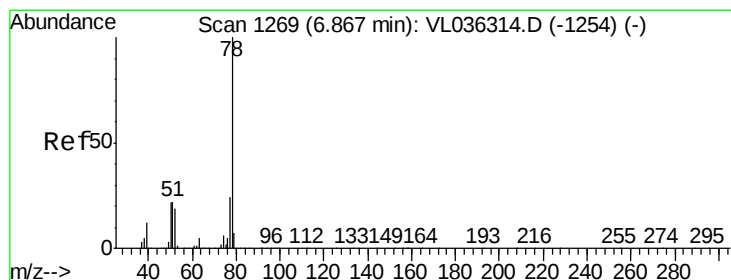
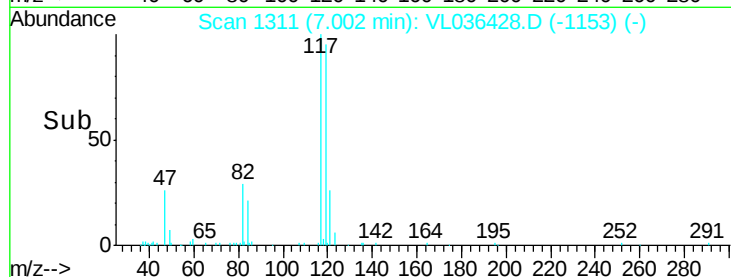
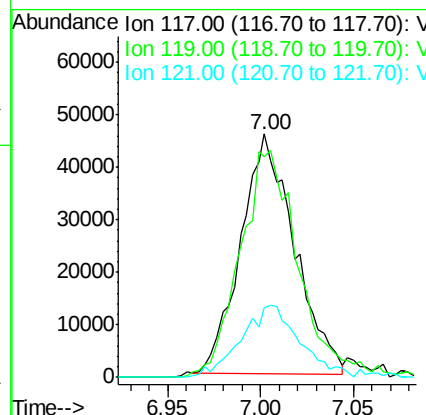
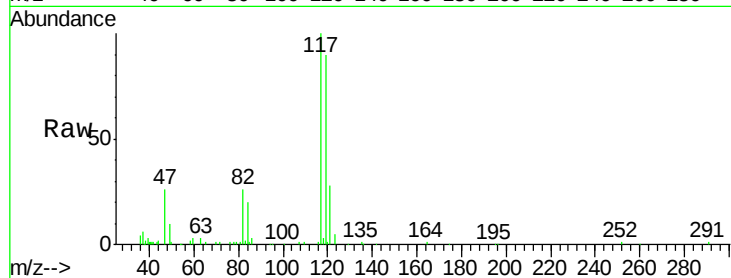
#35
Carbon Tetrachloride
Concen: 0.387 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.4	78.1	117.1
121	28.2	25.8	38.8

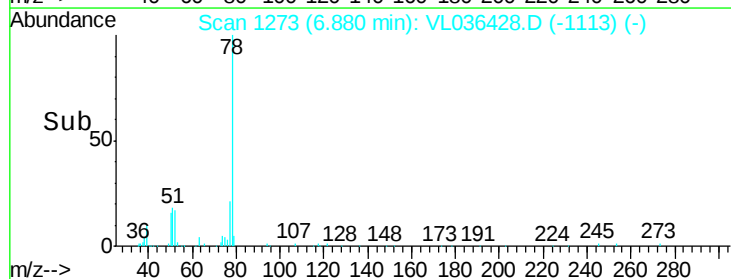
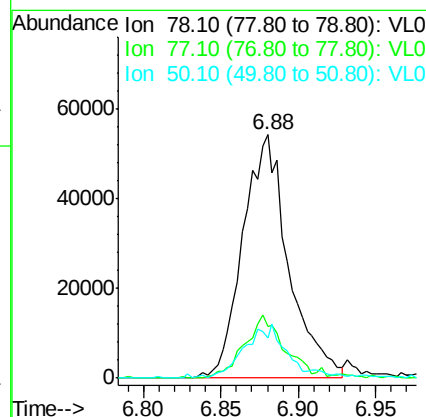
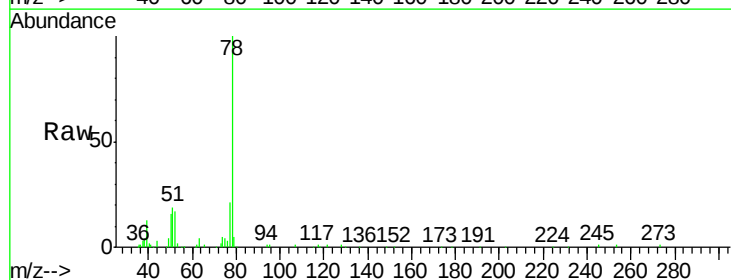
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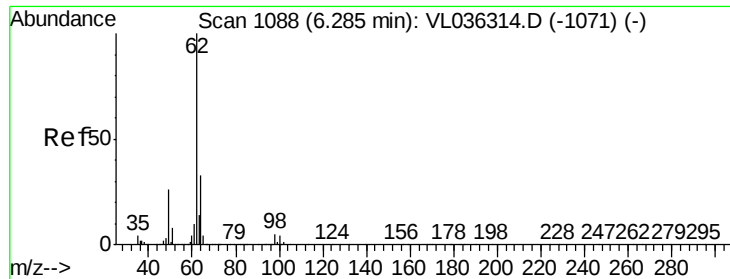
MMDadoda
3/3/2021 1:52:33 PM



#36
Benzene
Concen: 0.368 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.9	28.3
50	16.1	17.3	25.9#





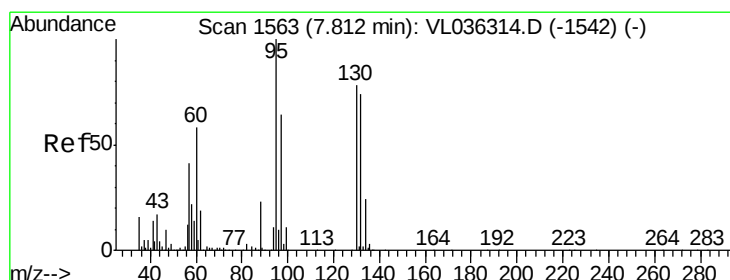
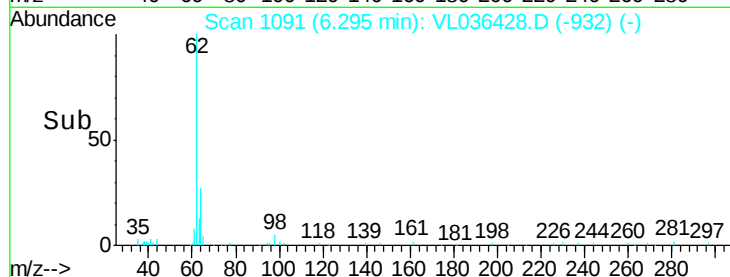
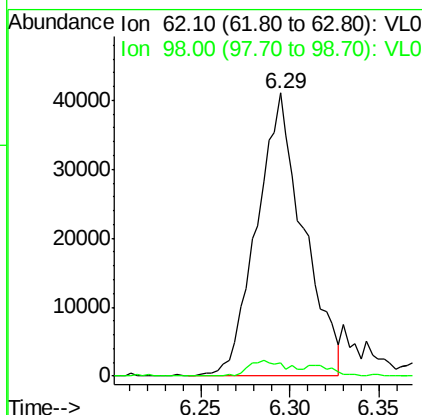
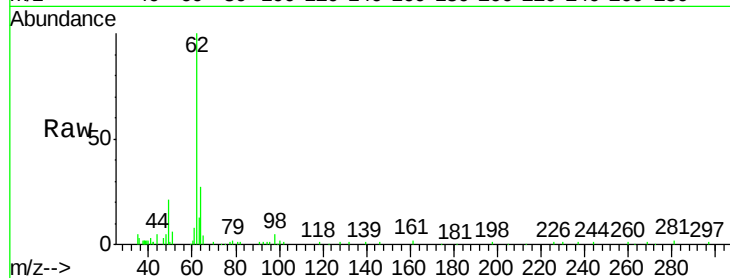
#37
1,2-Dichloroethane
Concen: 0.399 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.1	4.5	6.7#

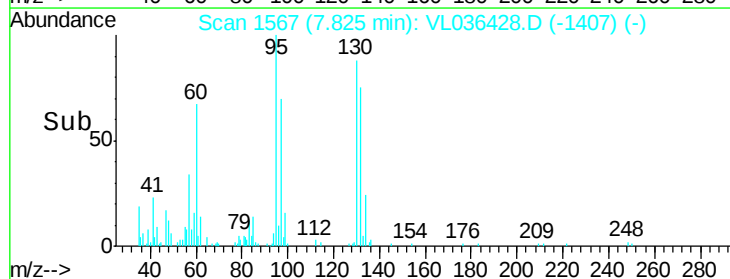
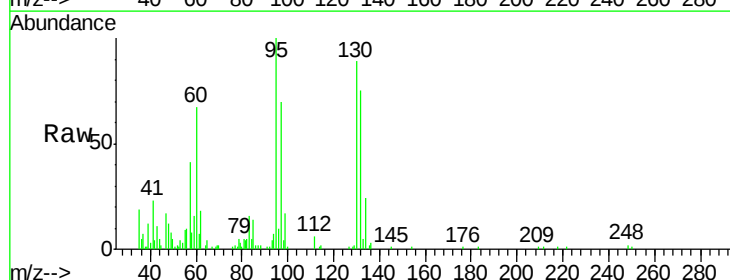
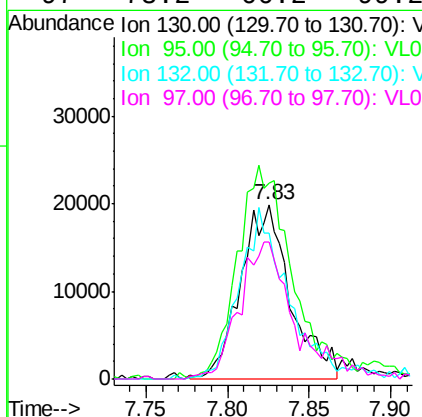
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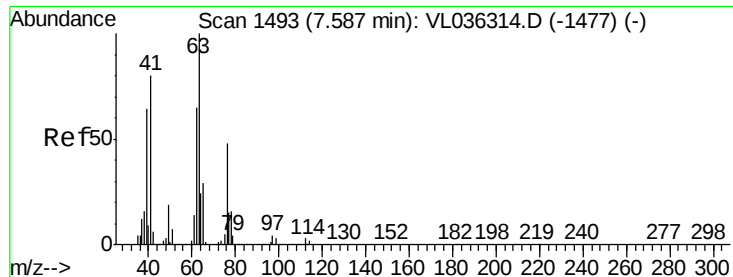
MMDadoda
3/3/2021 1:52:33 PM



#38
Trichloroethene
Concen: 0.389 ppbv m
RT: 7.83 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.2	102.8	154.2
132	84.0	75.7	113.5
97	78.2	66.2	99.2





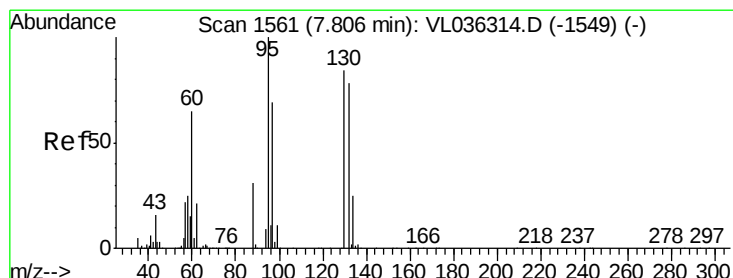
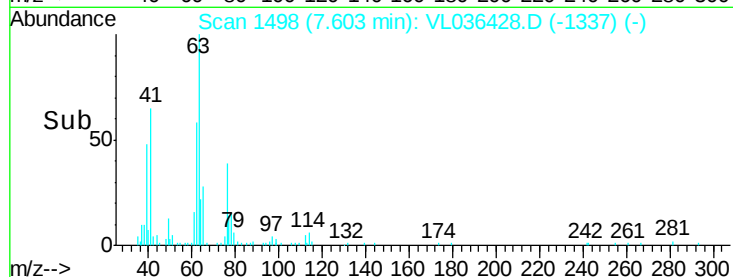
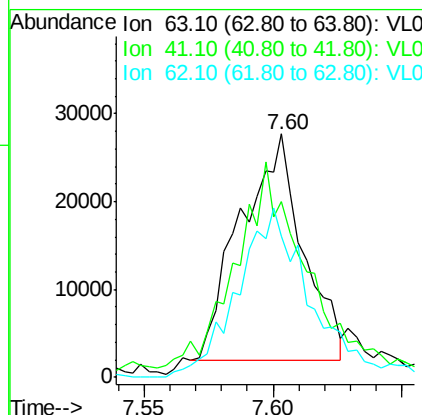
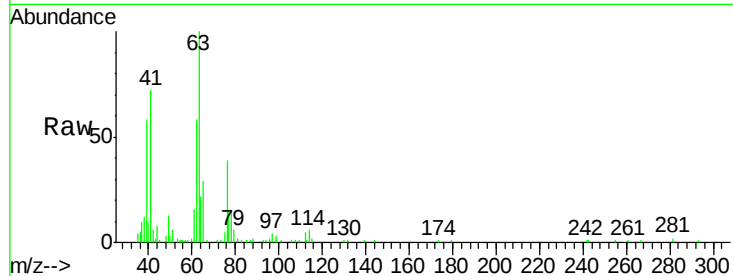
#39
 1,2-Dichloropropane
 Concen: 0.352 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	61.8	63.8	95.6#
62	56.9	52.3	78.5

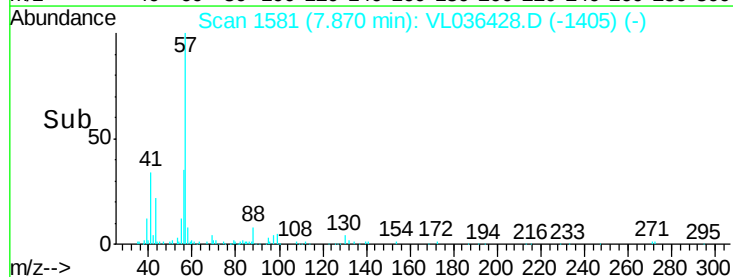
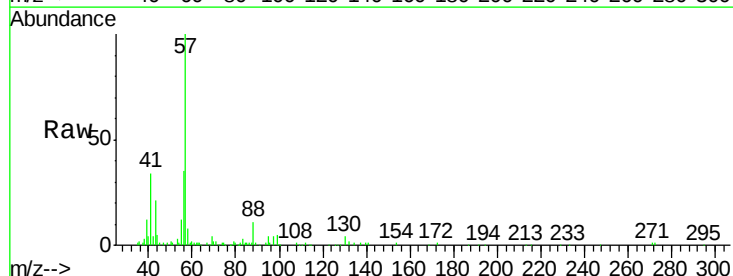
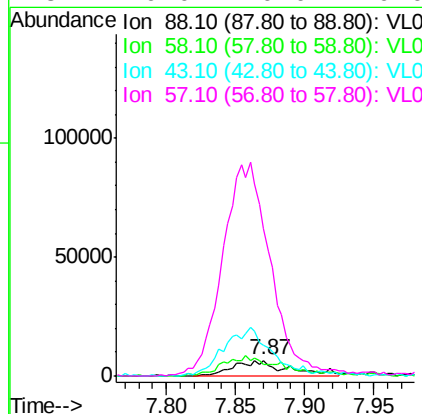
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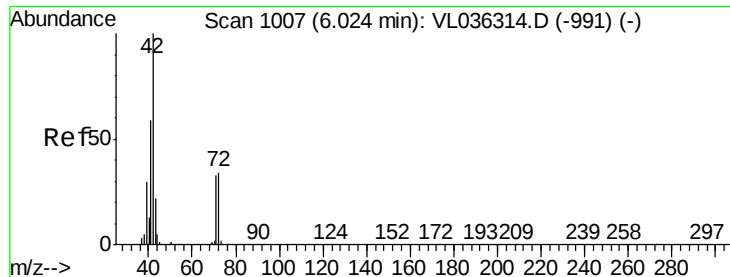
MMDadoda
 3/3/2021 1:52:33 PM



#40
 1,4-Dioxane
 Concen: 0.412 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.06 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





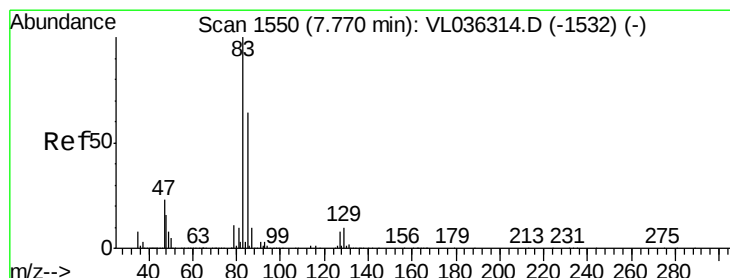
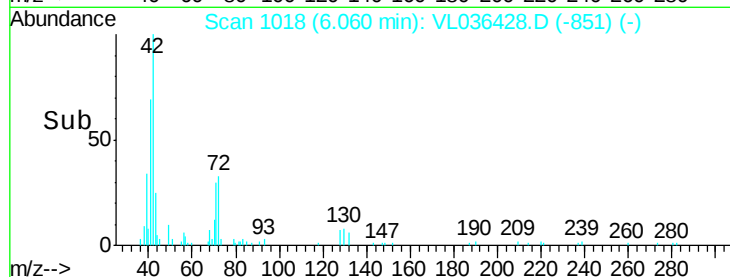
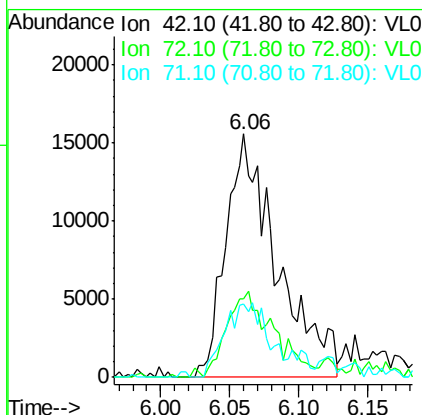
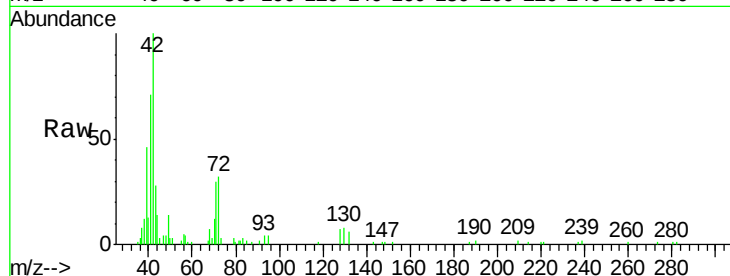
#41
Tetrahydrofuran
Concen: 0.303 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.04 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

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

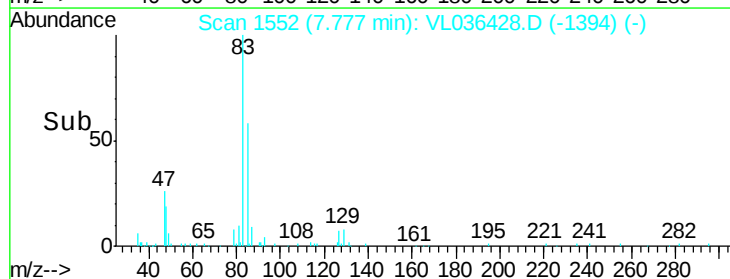
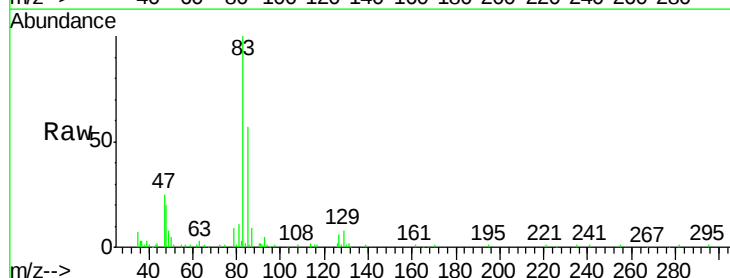
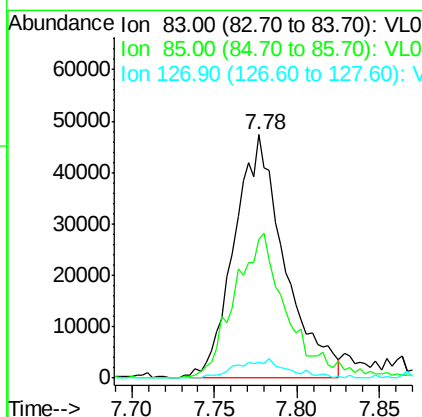
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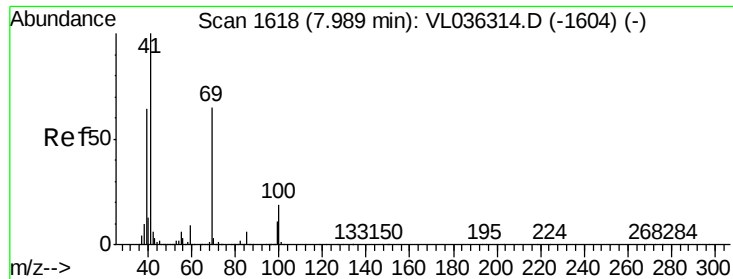
MMDadoda
3/3/2021 1:52:33 PM



#42
Bromodichloromethane
Concen: 0.401 ppbv m
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.0	51.1	76.7
127	6.5	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.312 ppbv m

RT: 8.01 min Scan# 1623

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

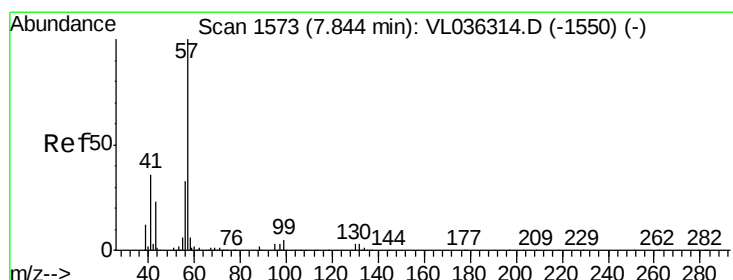
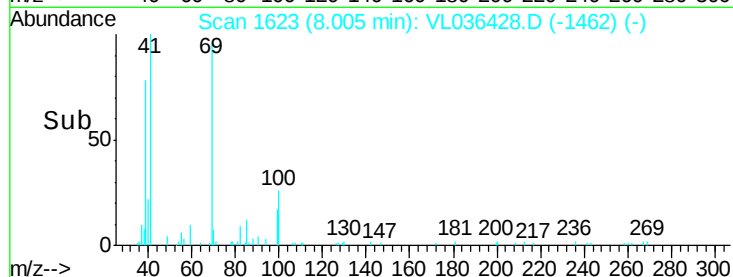
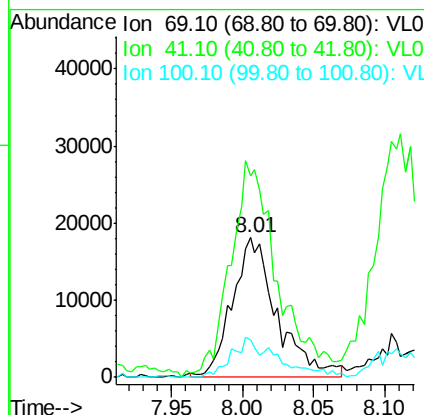
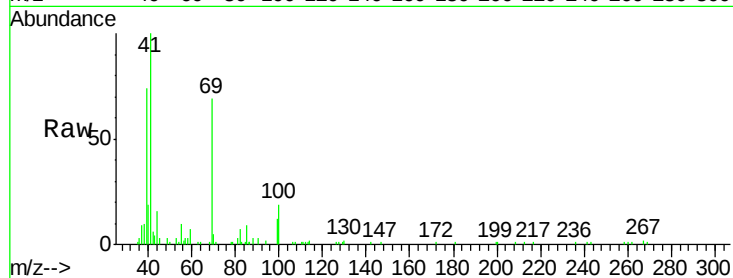
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	162.0	126.5	189.7	
100	29.5	23.1	34.7	

Manual Integrations
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MMDadoda
3/3/2021 1:52:33 PM



#44

2,2,4-Trimethylpentane

Concen: 0.387 ppbv m

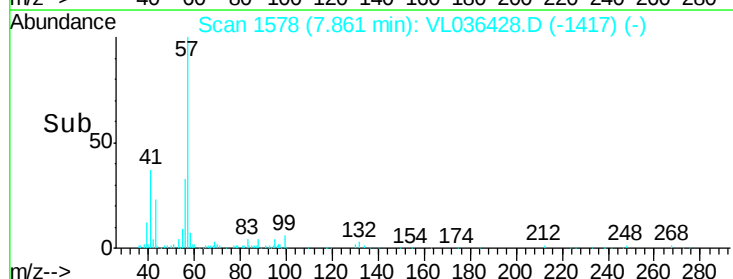
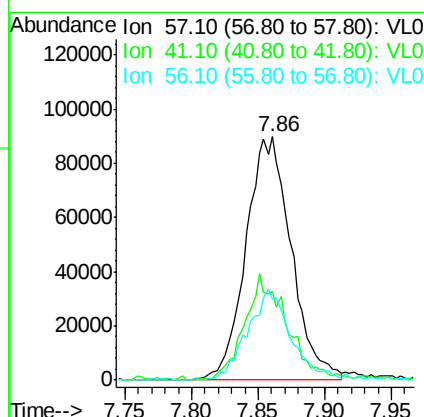
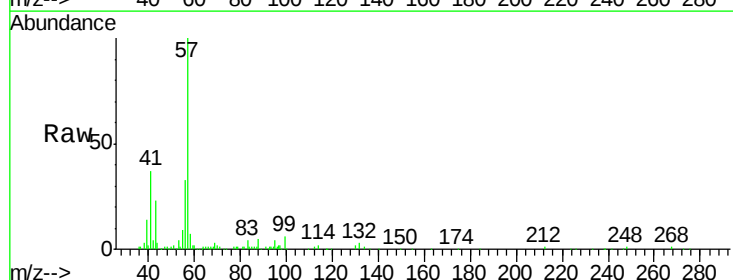
RT: 7.86 min Scan# 1578

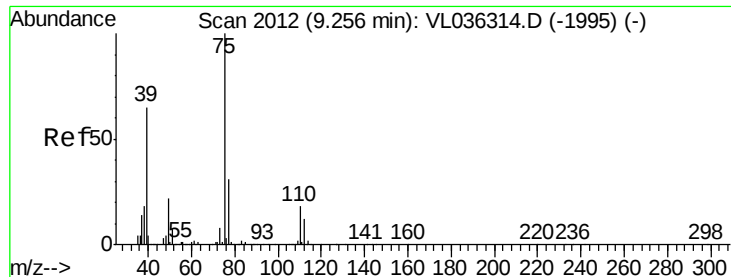
Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	42.0	28.8	43.2	
56	0.0	25.8	38.6#	





#45

t-1,3-Dichloropropene

Concen: 0.265 ppbv m

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 75 Resp: 32572

Ion Ratio Lower Upper

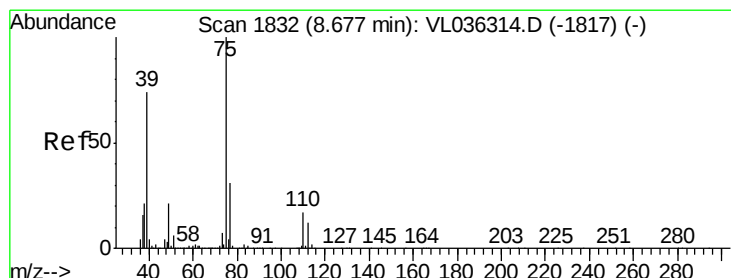
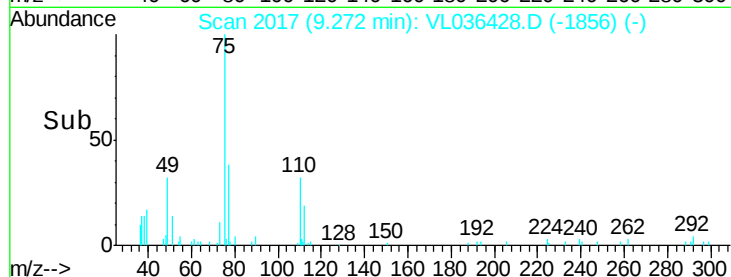
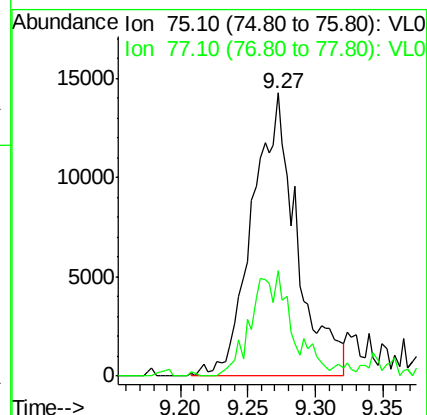
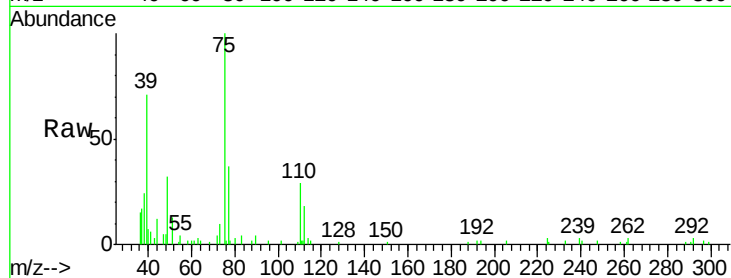
75 100

77 37.4 24.6 37.0#

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#46

cis-1,3-Dichloropropene

Concen: 0.316 ppbv m

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

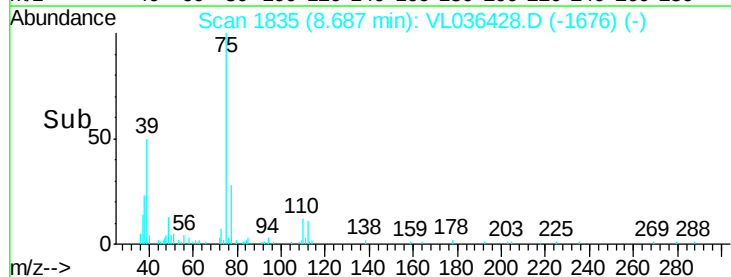
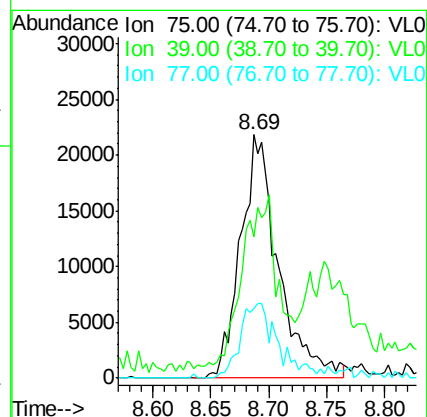
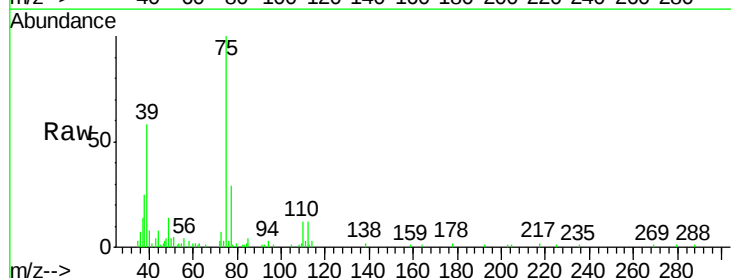
Tgt Ion: 75 Resp: 49337

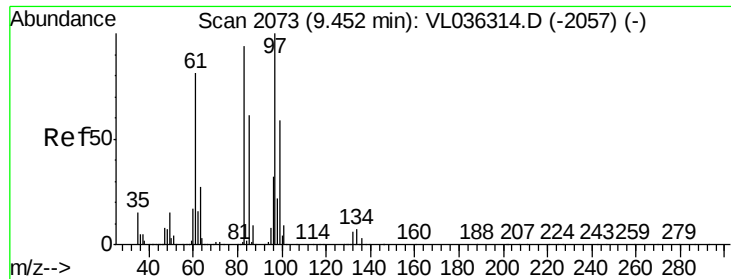
Ion Ratio Lower Upper

75 100

39 58.2 59.2 88.8#

77 28.8 25.0 37.6





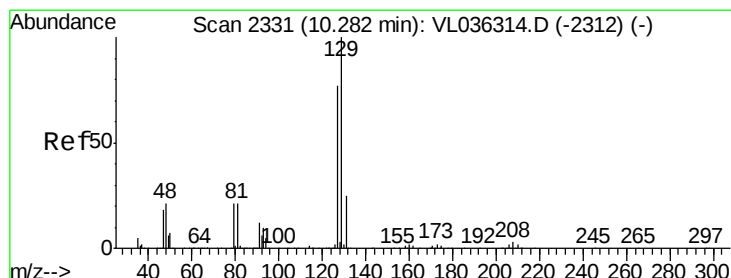
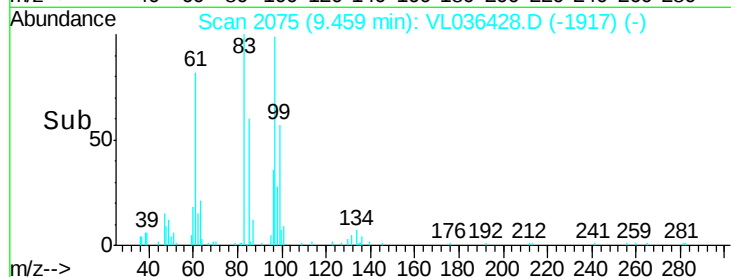
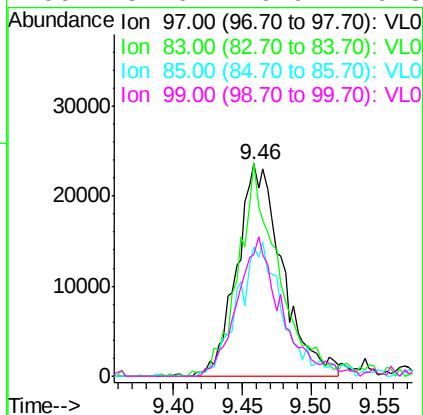
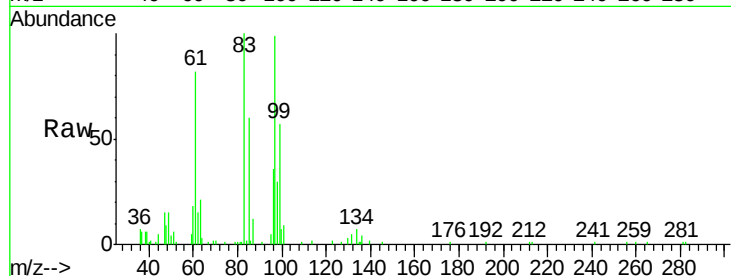
#47
 1,1,2-Trichloroethane
 Concen: 0.429 ppbv m
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		53903		
83	100.7	75.4	113.0		
85	60.9	48.9	73.3		
99	57.6	46.9	70.3		

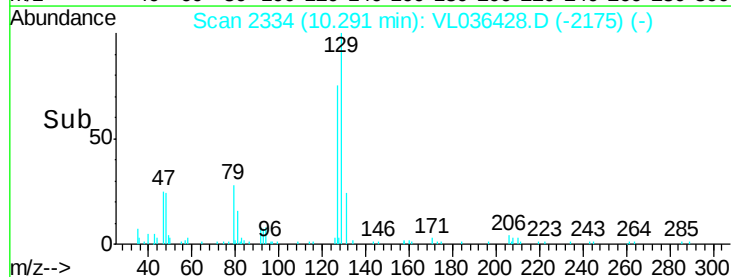
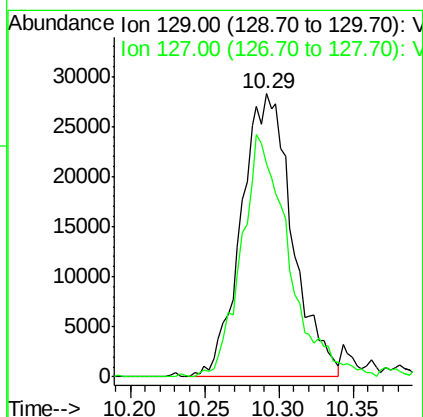
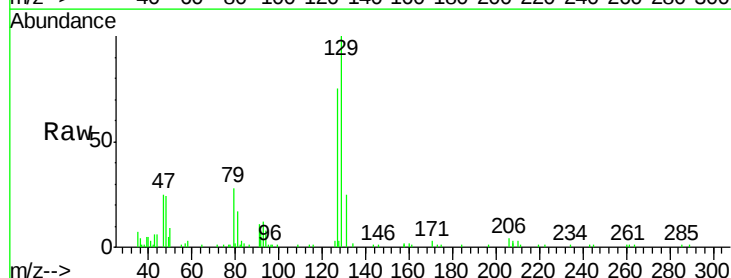
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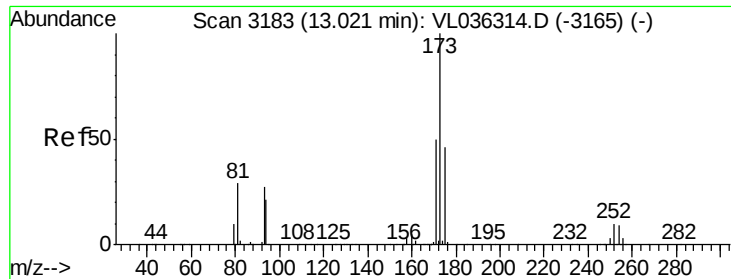
MMDadoda
 3/3/2021 1:52:33 PM



#48
 Dibromochloromethane
 Concen: 0.360 ppbv m
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		67601		
127	79.3	39.1	117.2		





#49

Bromoform

Concen: 0.329 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

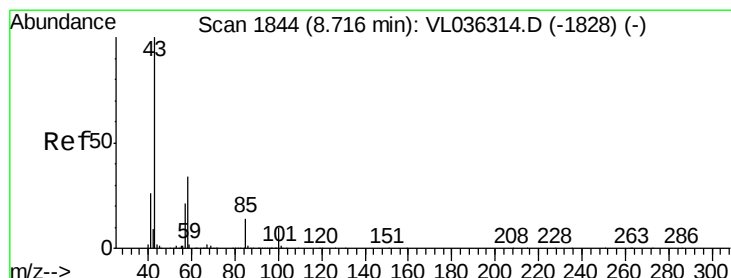
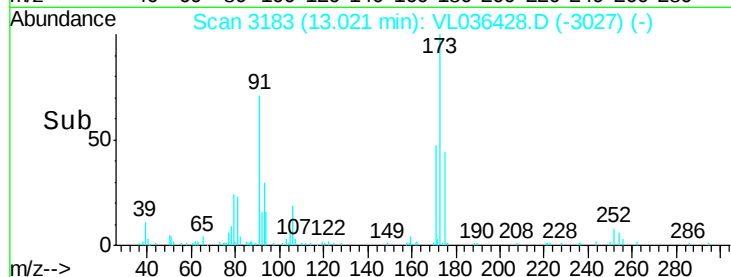
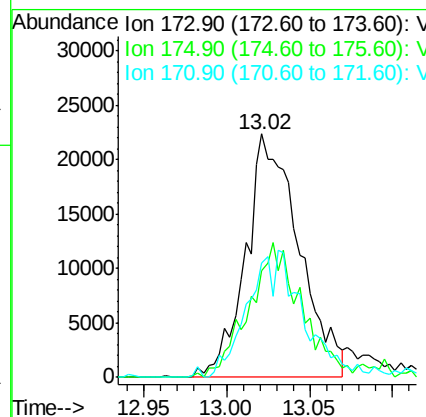
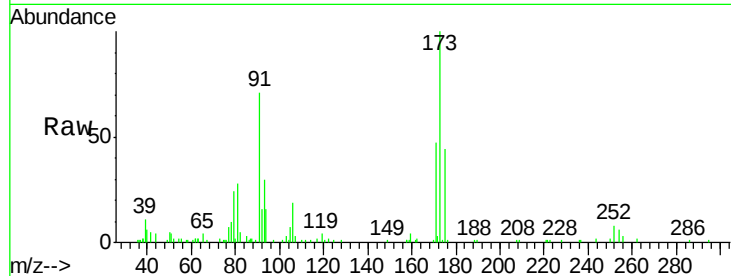
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	173	Resp:	49851
Ion Ratio	Lower	Upper	
173	100		
175	54.6	40.2	60.2
171	55.0	43.4	65.2

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#50

4-Methyl-2-Pentanone

Concen: 0.347 ppbv m

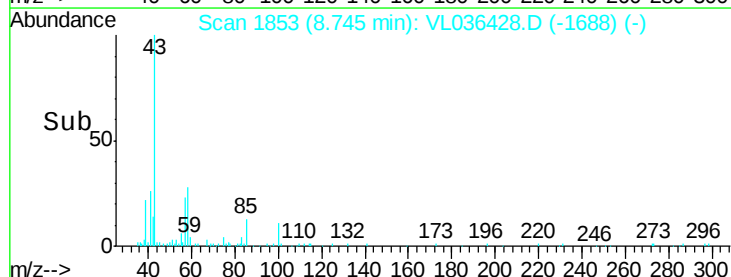
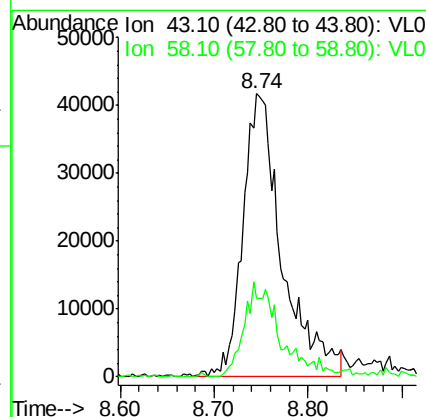
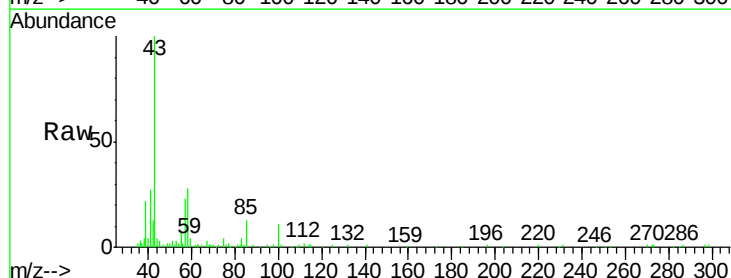
RT: 8.74 min Scan# 1853

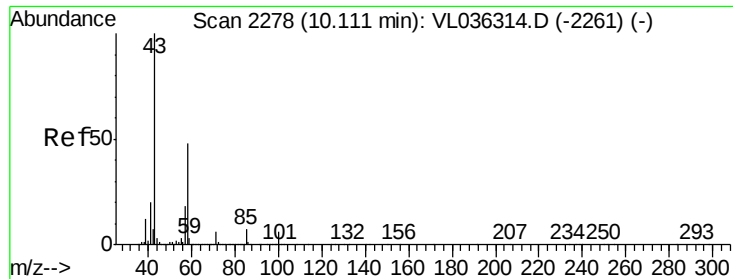
Delta R.T. 0.03 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion:	43	Resp:	121928
Ion Ratio	Lower	Upper	
43	100		
58	31.3	27.8	41.6





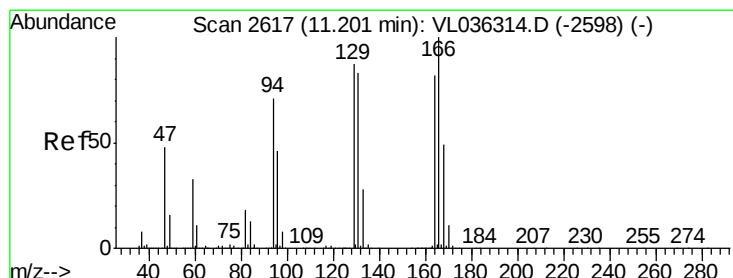
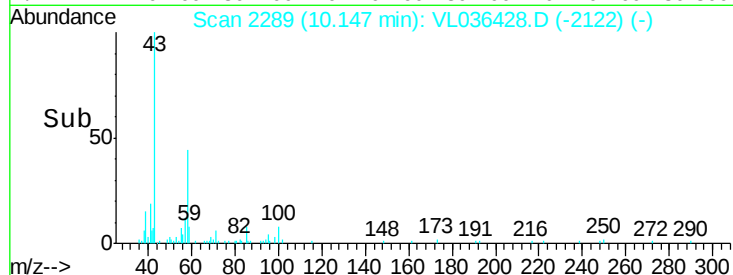
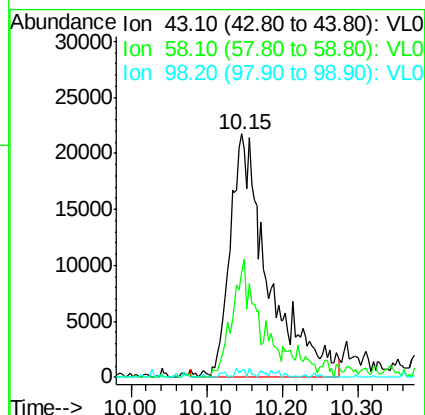
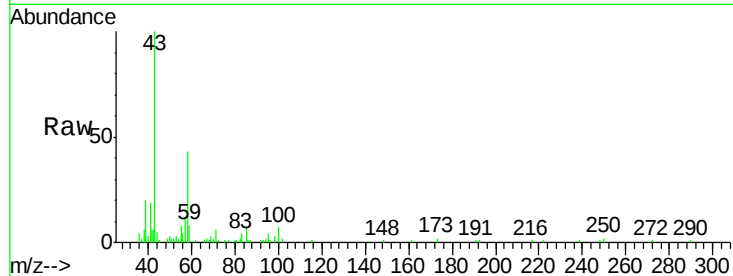
#51
2-Hexanone
Concen: 0.288 ppbv m
RT: 10.15 min Scan# 2289
Delta R.T. 0.04 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

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

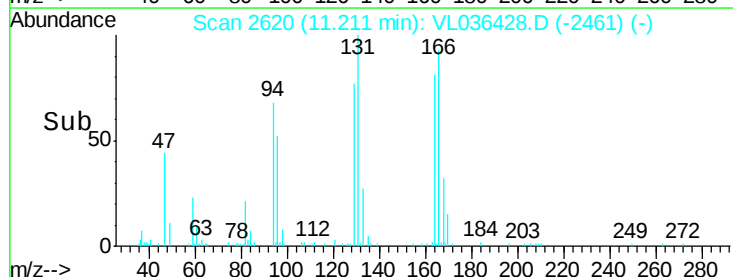
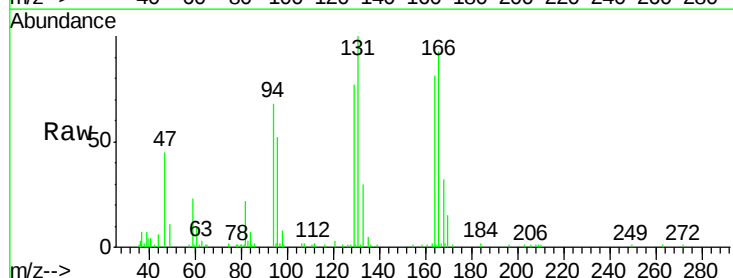
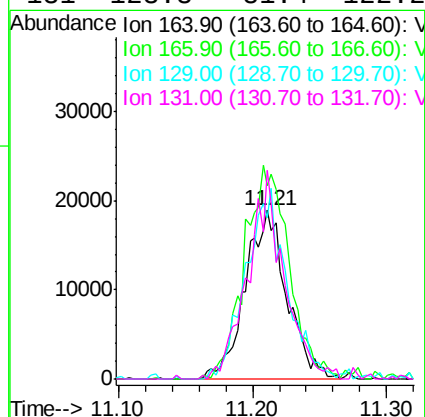
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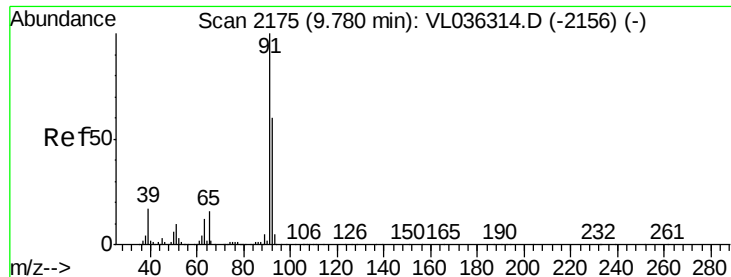
MMDadoda
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#52
Tetrachloroethene
Concen: 0.370 ppbv m
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.5	97.8	146.8
129	95.4	84.9	127.3
131	123.3	81.4	122.2#





#53

Toluene

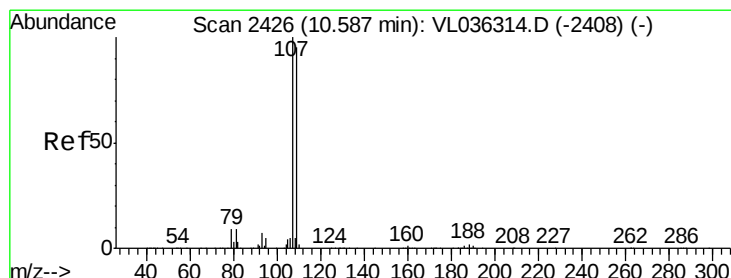
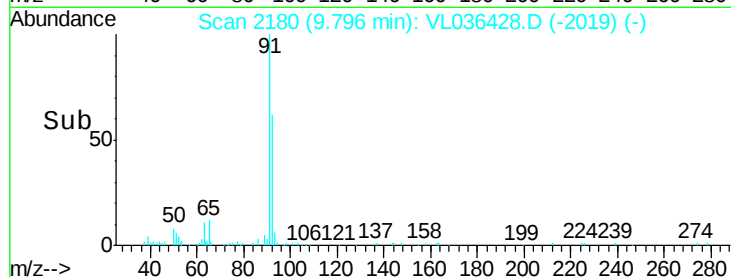
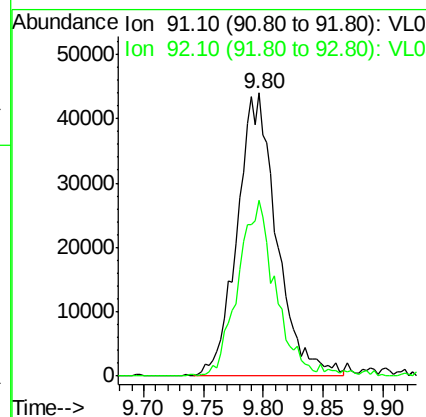
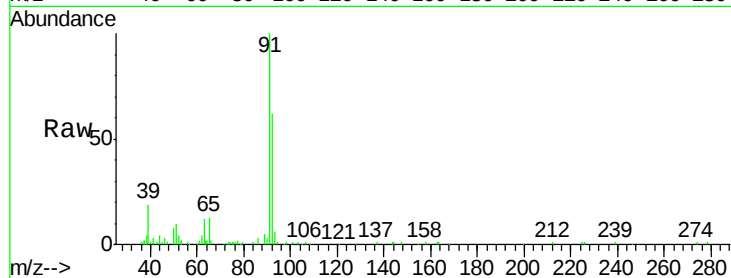
Concen: 0.310 ppbv m
RT: 9.80 min Scan# 2180
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.6	72.8#

Manual Integrations
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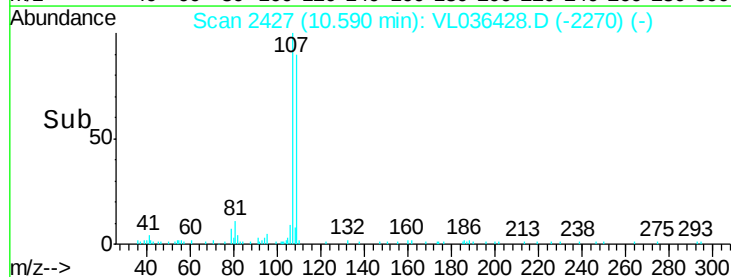
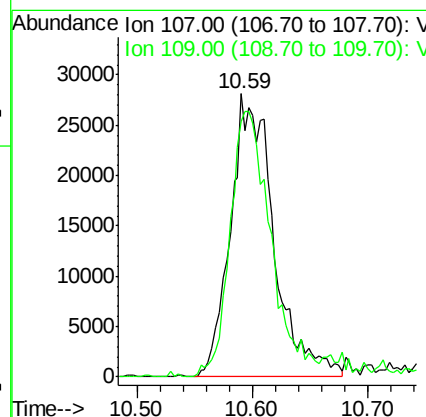
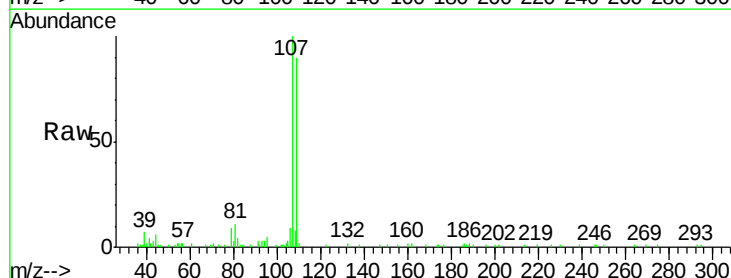


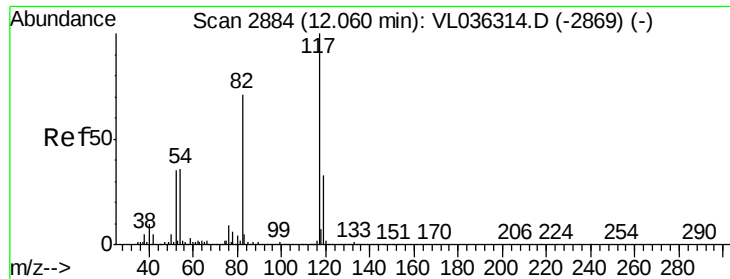
#54

1,2-Dibromoethane

Concen: 0.402 ppbv m
RT: 10.59 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.1	76.0	114.0





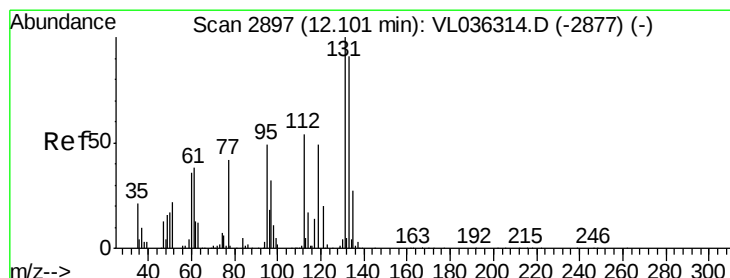
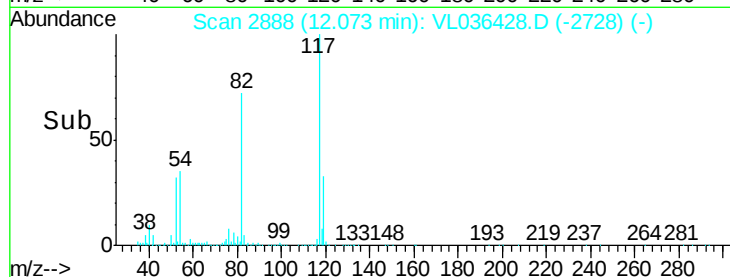
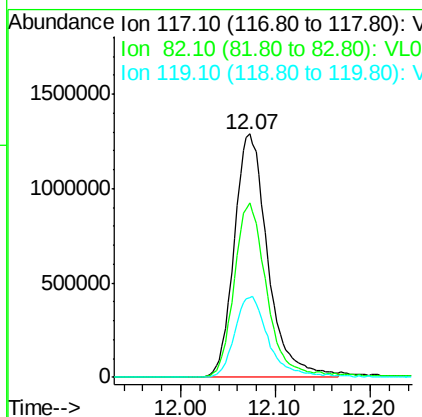
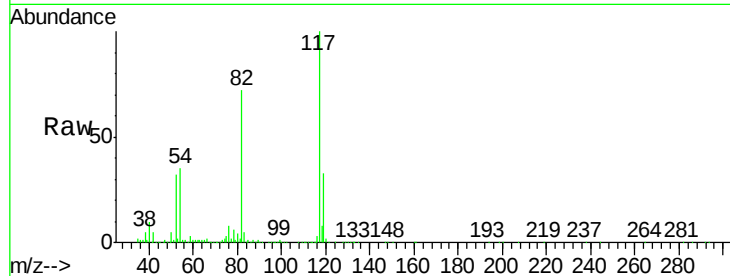
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.3	59.1	88.7
119	34.0	46.3	69.5

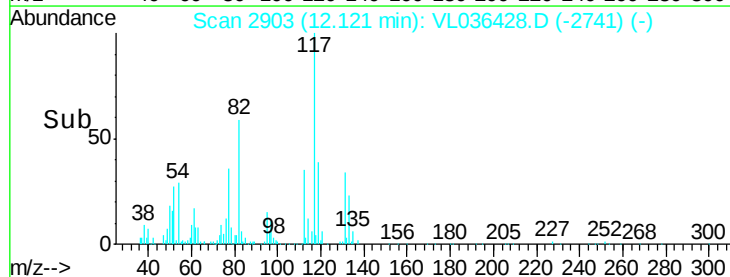
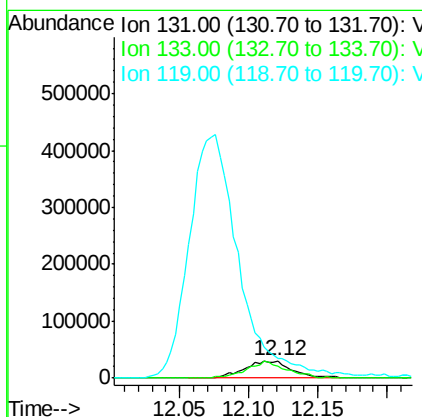
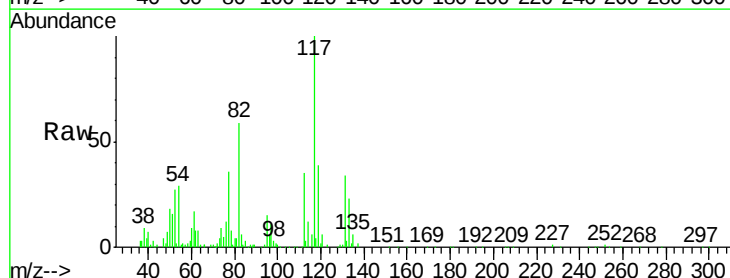
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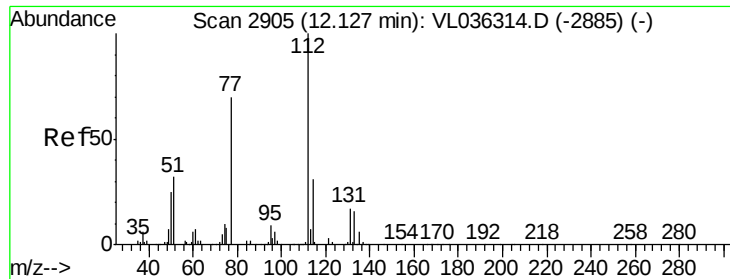
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.486 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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





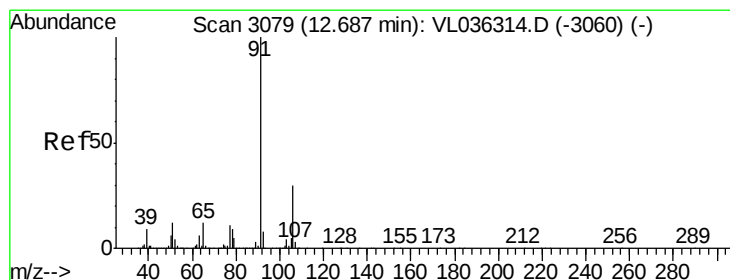
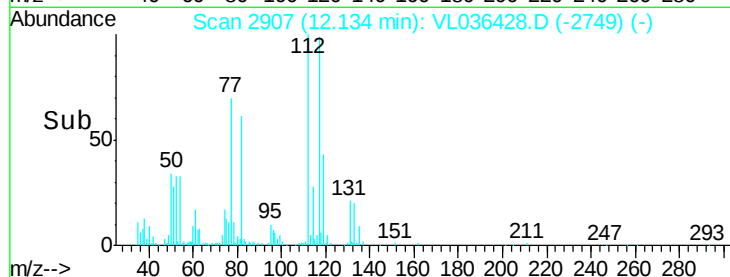
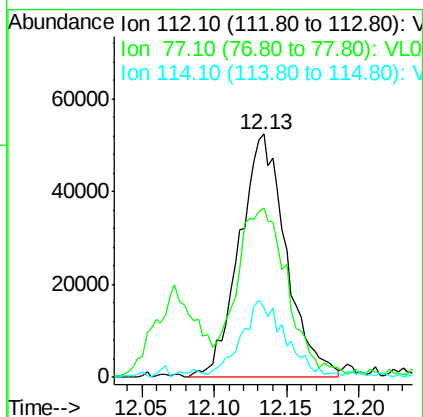
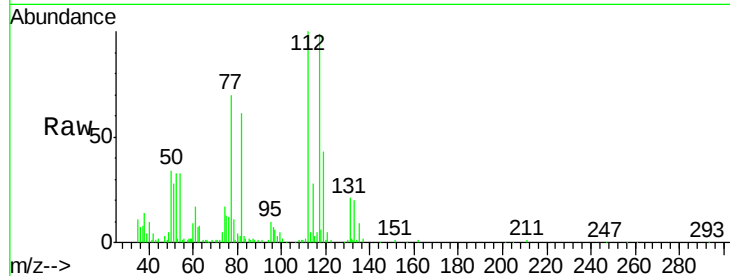
#57
Chlorobenzene
Concen: 0.476 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.0	56.1	84.1
114	26.9	28.3	34.5#

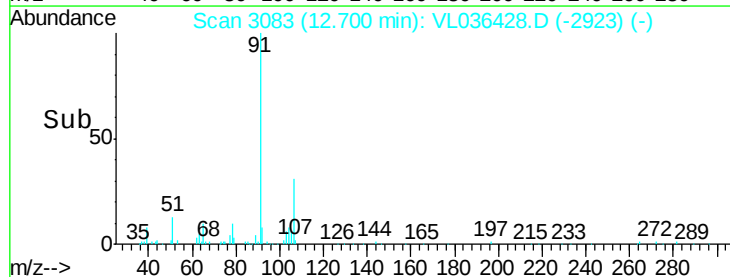
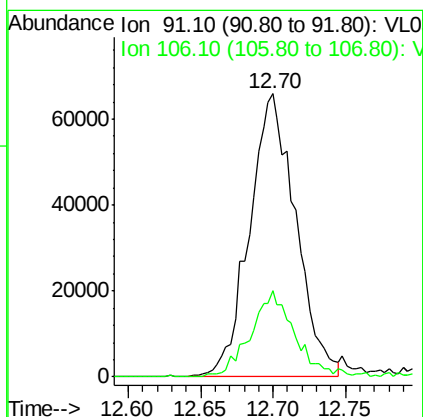
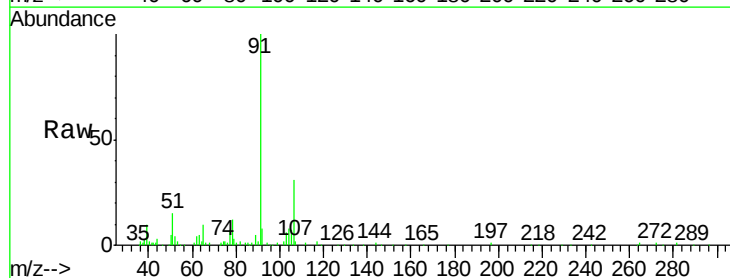
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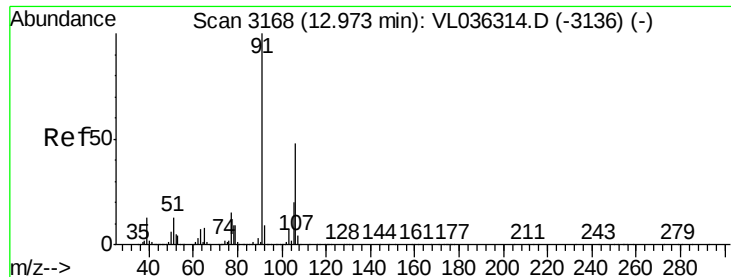
MMDadoda
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#58
Ethyl Benzene
Concen: 0.335 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6





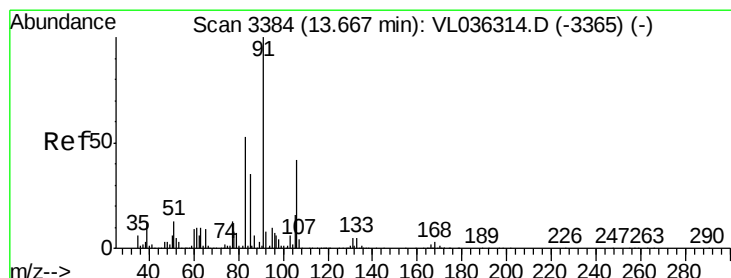
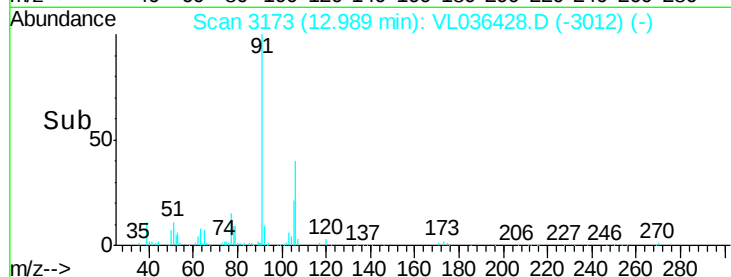
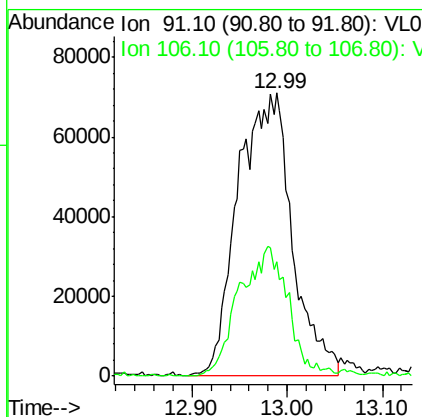
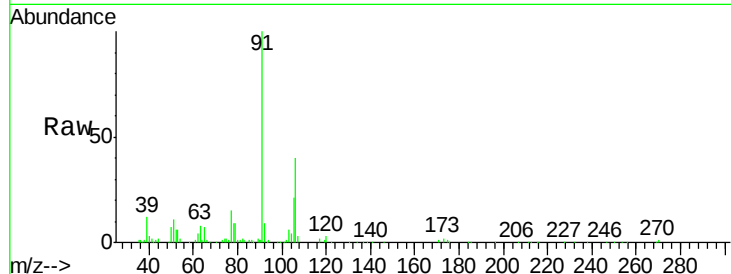
#59
m/p-Xylene
Concen: 0.732 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion: 91 Resp: 281108
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

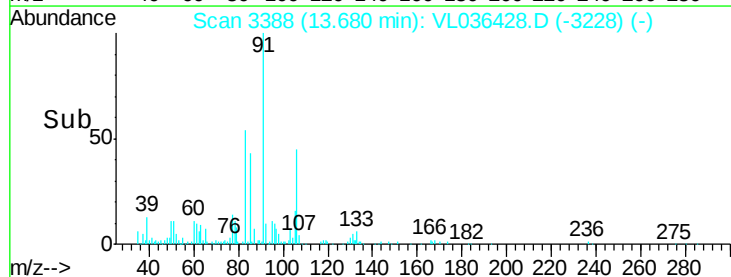
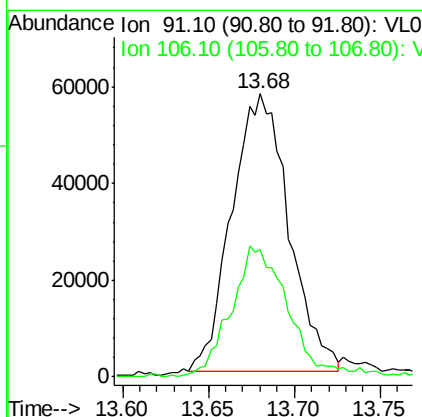
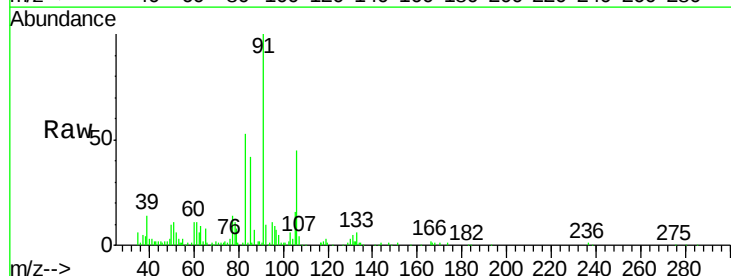
Manual Integrations
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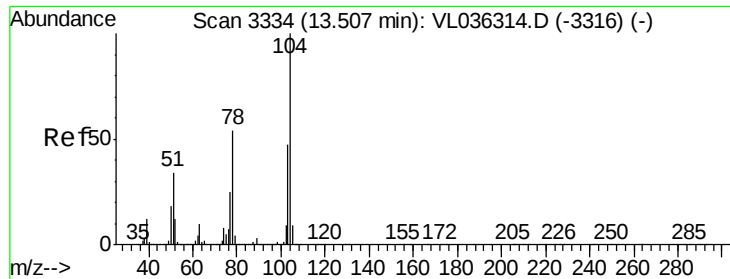
MMDadoda
3/3/2021 1:52:33 PM



#60
o-Xylene
Concen: 0.363 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 91 Resp: 133236
Ion Ratio Lower Upper
91 100
106 47.2 22.0 66.0





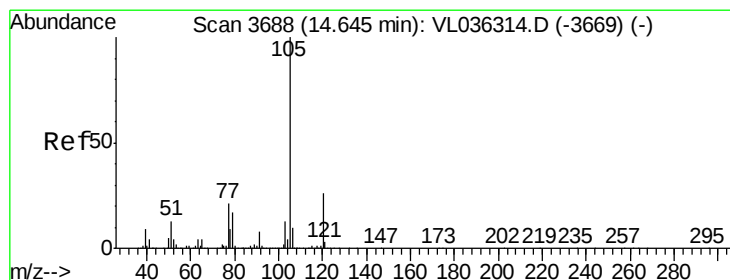
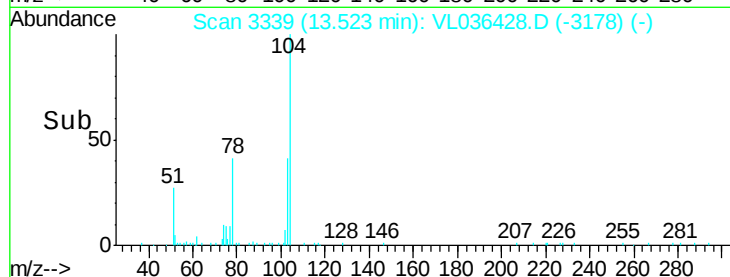
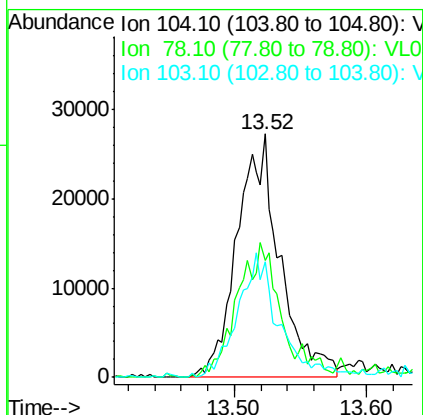
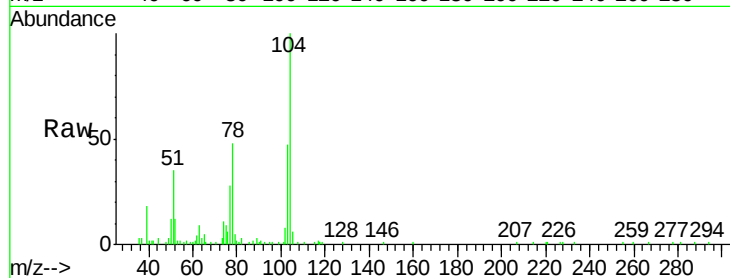
#61
Stvrene
Concen: 0.268 ppbv m
RT: 13.52 min Scan# 3339
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.3	46.2	69.2
103	50.3	38.3	57.5

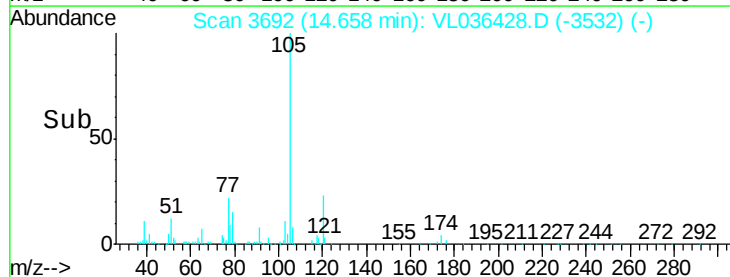
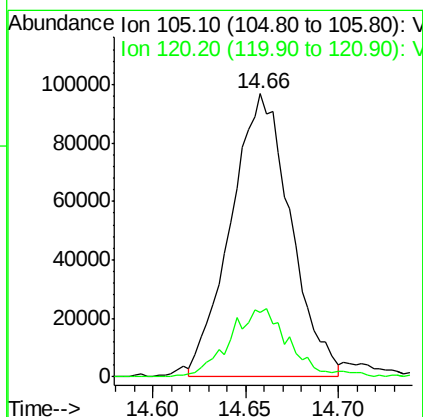
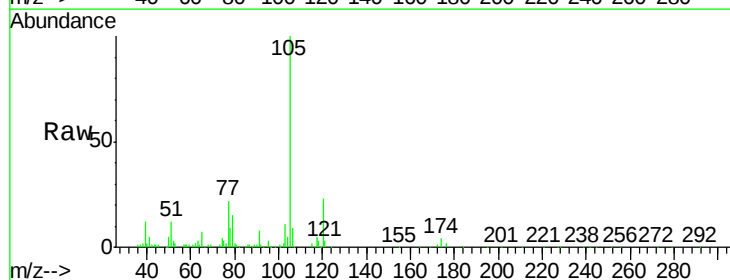
Manual Integrations
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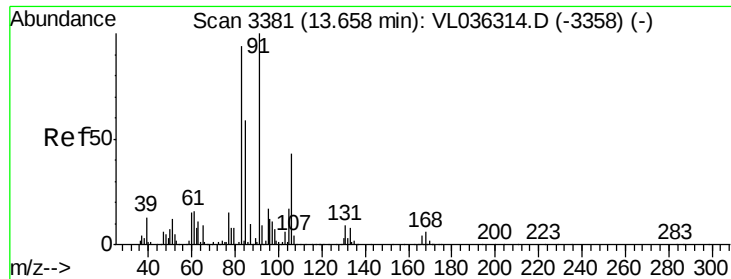
MMDadoda
3/3/2021 1:52:33 PM



#62
Isopropylbenzene
Concen: 0.395 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.427 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

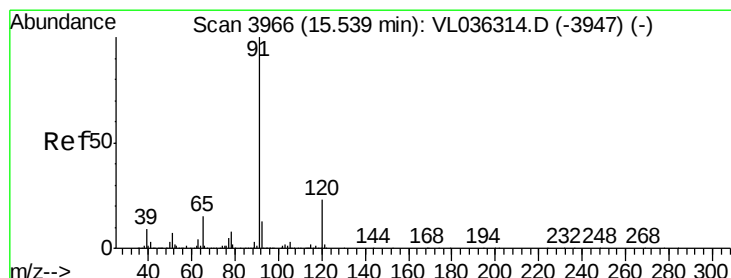
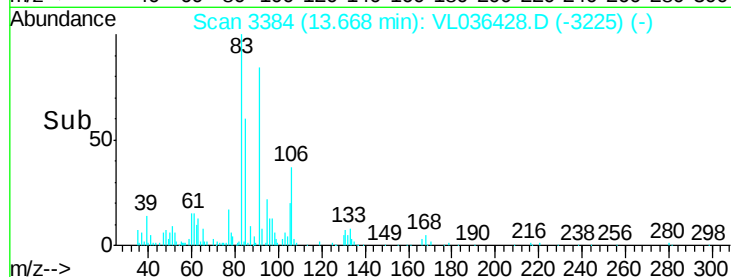
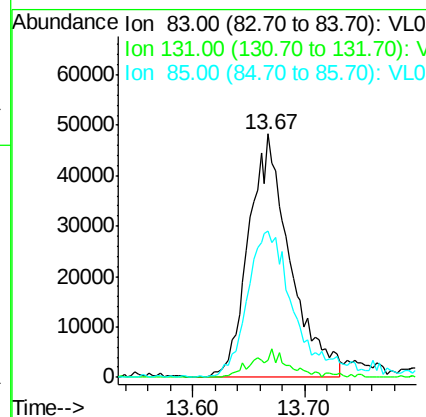
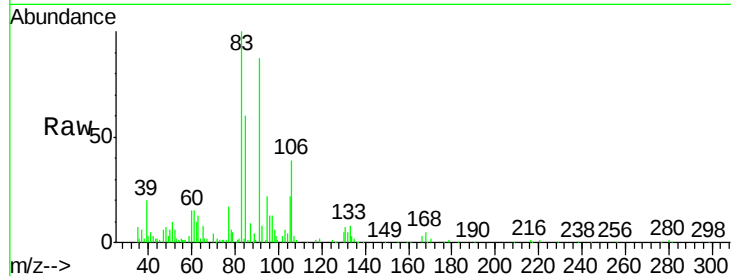
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	83	Resp:	123719
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.7	14.0
85	70.7	33.0	98.9

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3/3/2021 1:52:33 PM



#64

n-propylbenzene

Concen: 0.353 ppbv m

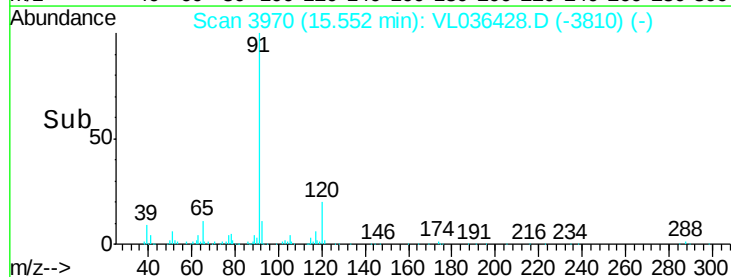
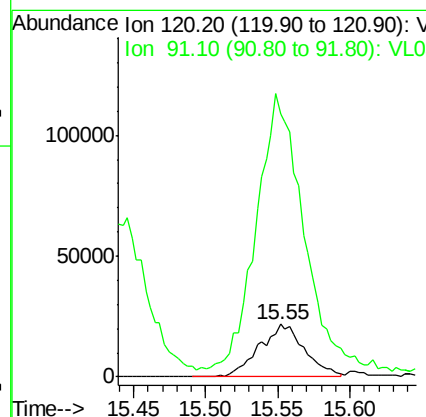
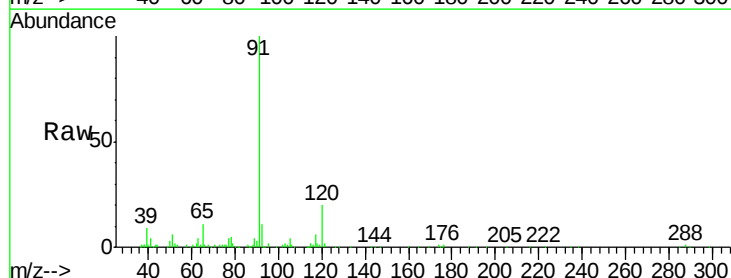
RT: 15.55 min Scan# 3970

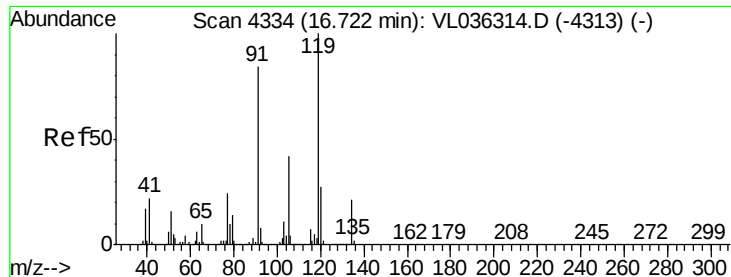
Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion:	120	Resp:	47748
Ion Ratio	Lower	Upper	
120	100		
91	610.1	387.2	580.8#





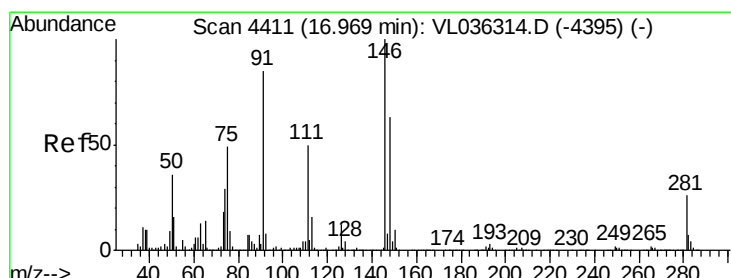
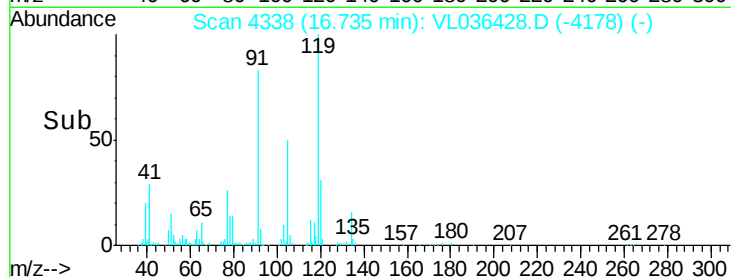
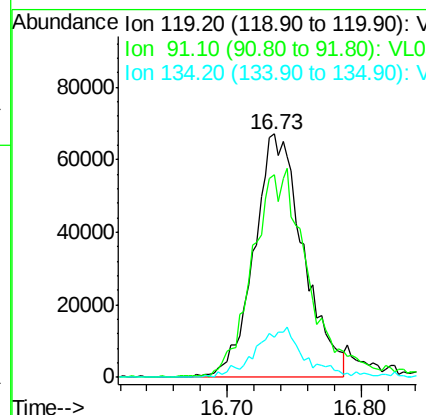
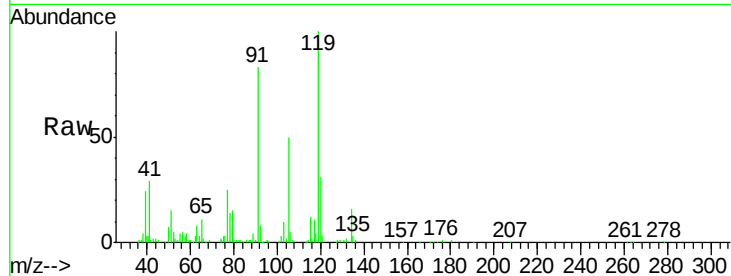
#65
tert-Butylbenzene
Concen: 0.363 ppbv m
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	99.2	70.5	105.7
134	20.4	15.8	23.8

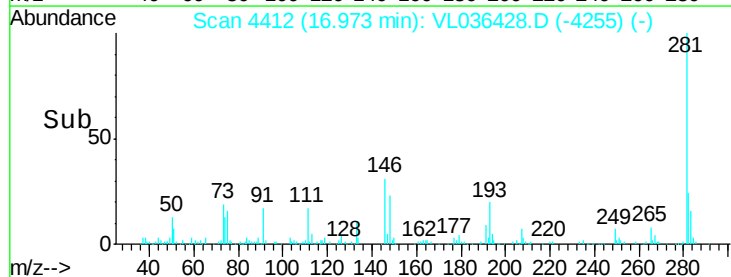
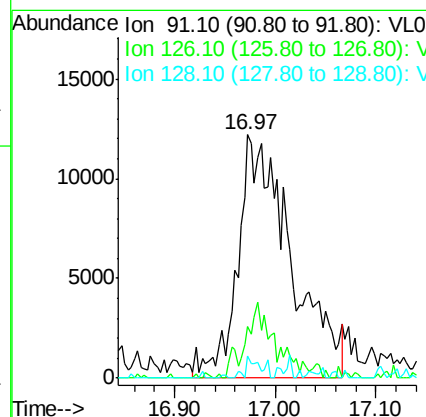
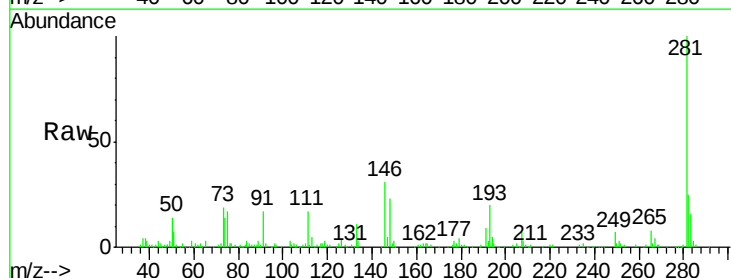
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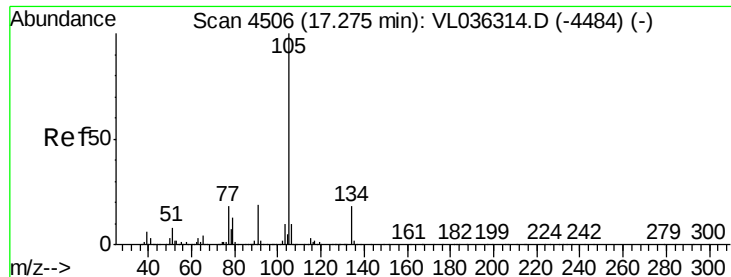
MMDadoda
3/3/2021 1:52:33 PM



#66
Benzyl Chloride
Concen: 0.348 ppbv m
RT: 16.97 min Scan# 4412
Delta R.T. 0.00 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.5	12.9	19.3
128	0.0	4.2	6.2





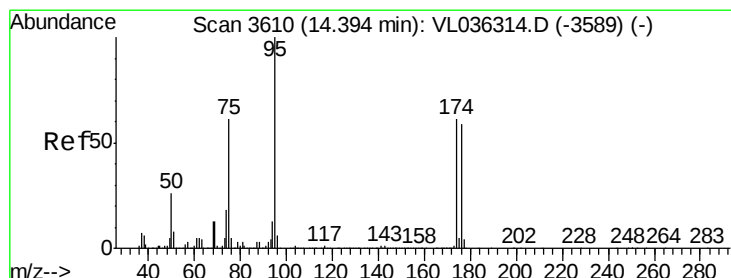
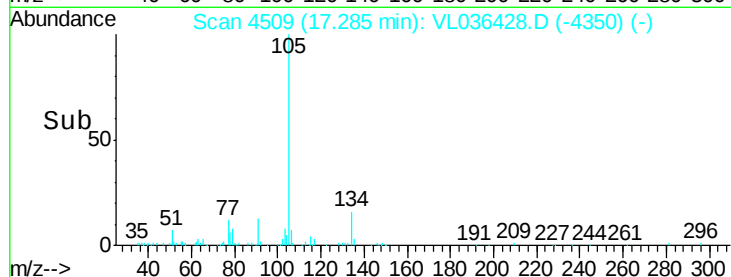
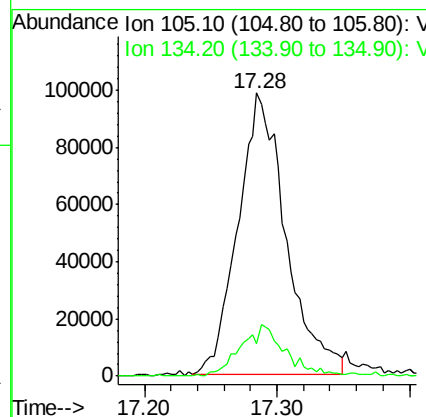
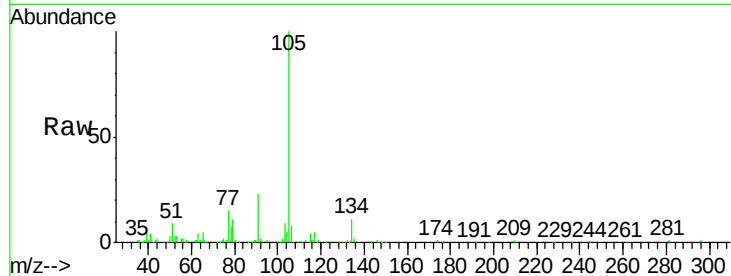
#67
 sec-Butylbenzene
 Concen: 0.362 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.2	21.4

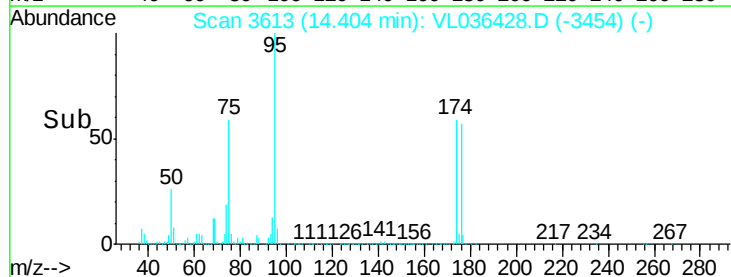
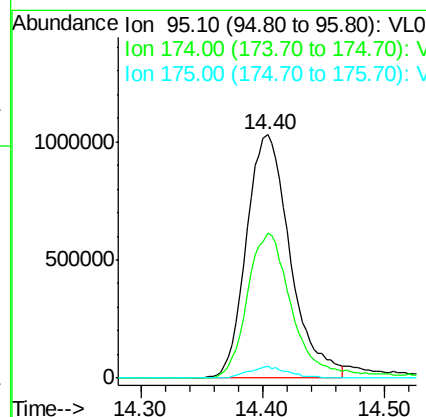
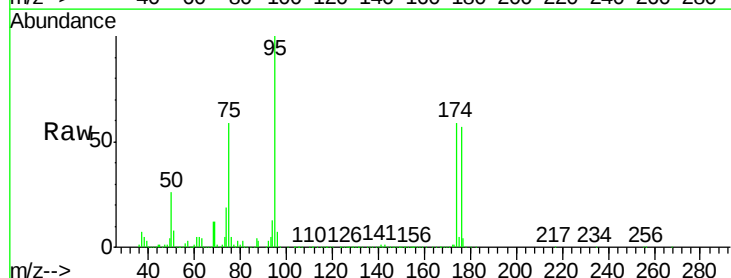
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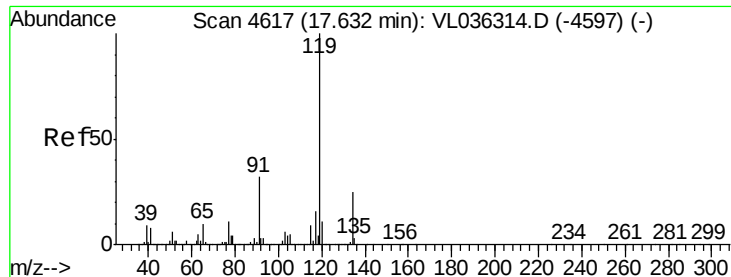
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.718 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.5	49.8	74.6
175	4.6	3.7	5.5





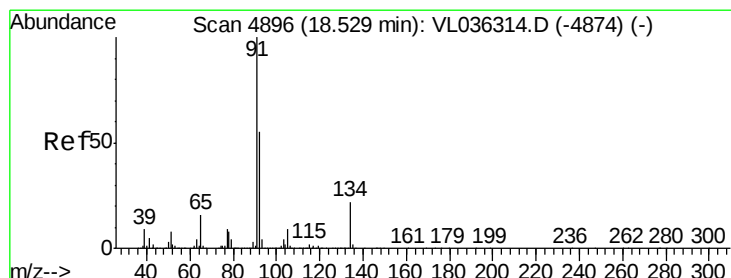
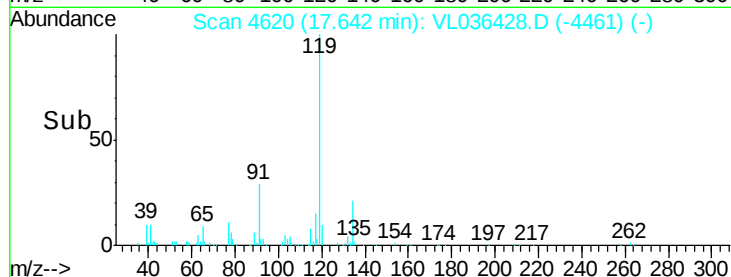
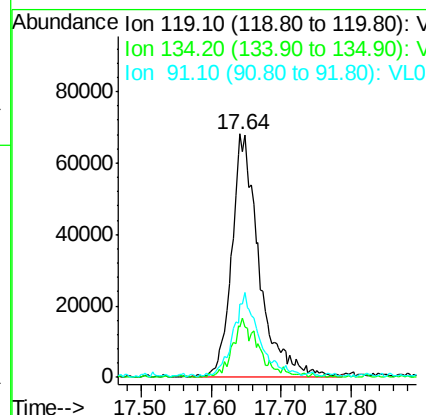
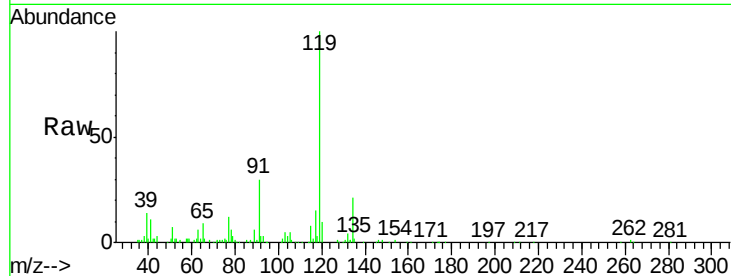
#69
 p-Isopropyltoluene
 Concen: 0.356 ppbv m
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186775		
134	23.6		20.1	30.1
91	32.3		25.8	38.6

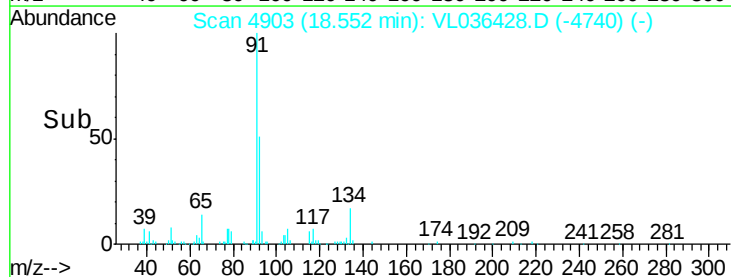
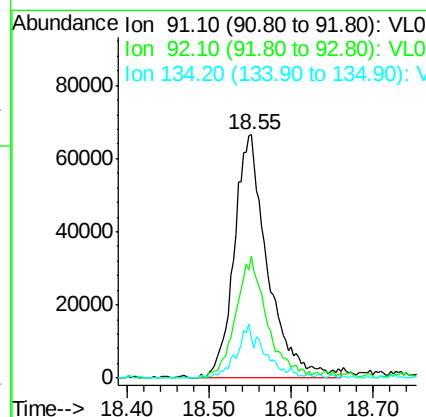
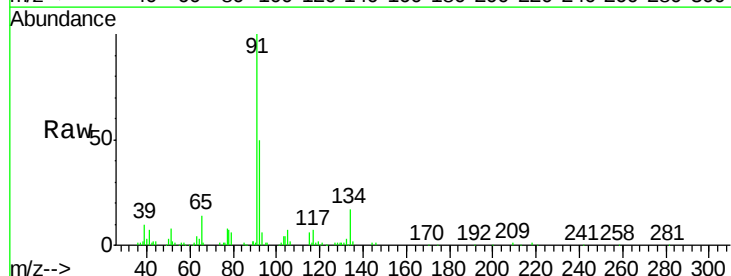
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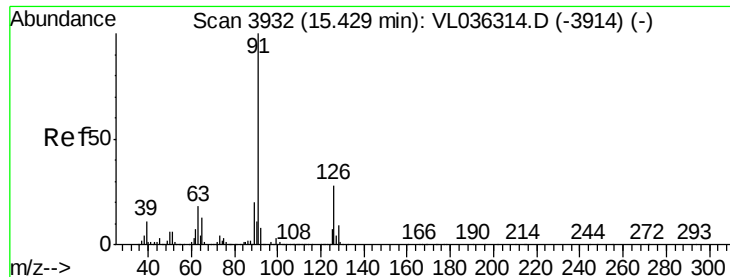
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 3/3/2021 1:52:33 PM



#70
 n-Butylbenzene
 Concen: 0.340 ppbv m
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	191026		
92	46.2		43.7	65.5
134	19.5		17.4	26.0





#71

2-Chlorotoluene

Concen: 0.369 ppbv m

RT: 15.45 min Scan# 3937

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 155651

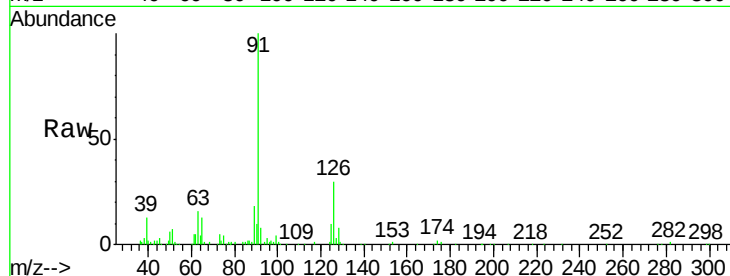
Ion Ratio Lower Upper

91 100

126 31.0 11.5 46.1

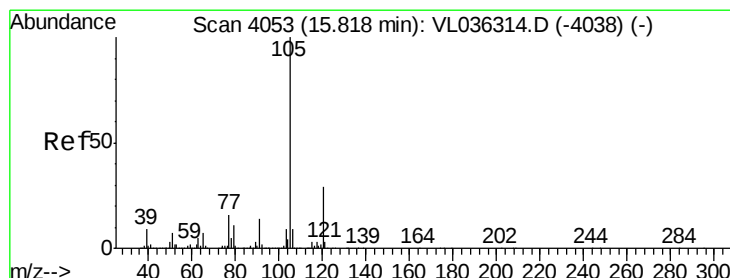
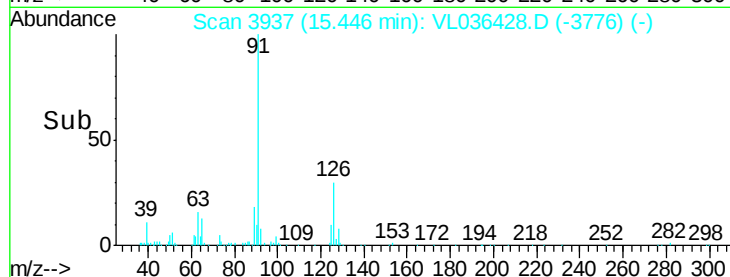
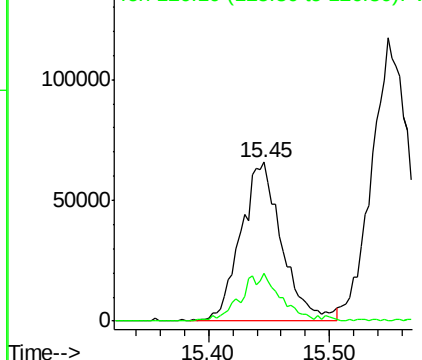
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.313 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion: 105 Resp: 127880

Ion Ratio Lower Upper

105 100

120 32.0 23.2 34.8

91 18.3 11.0 16.4#

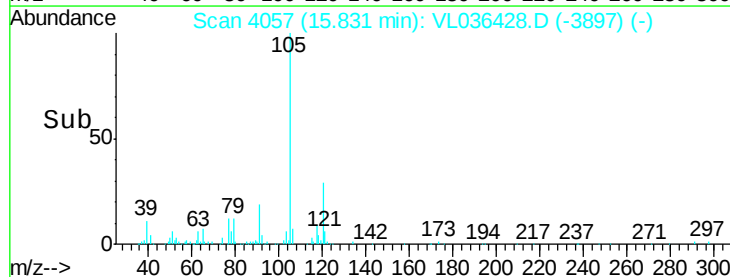
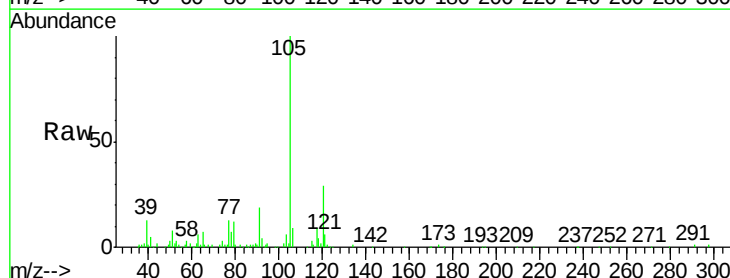
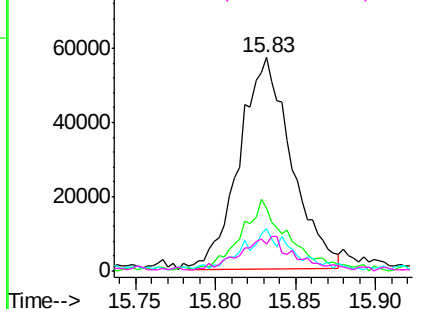
77 17.1 12.2 18.4

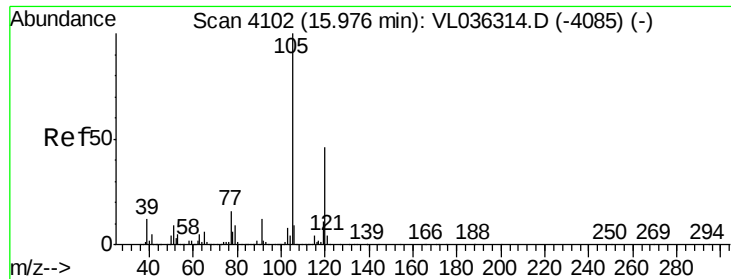
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





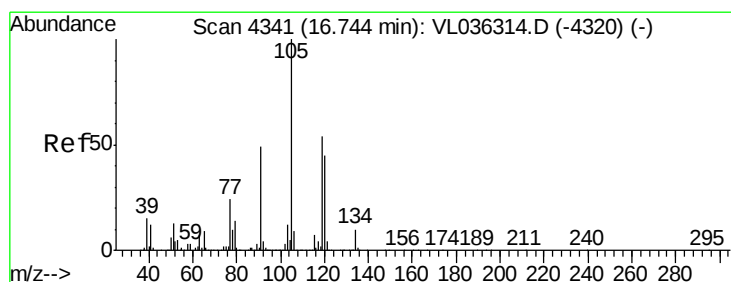
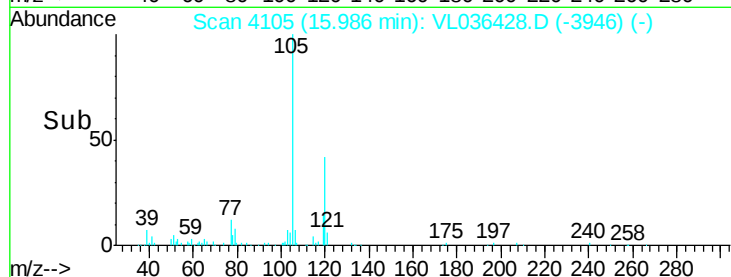
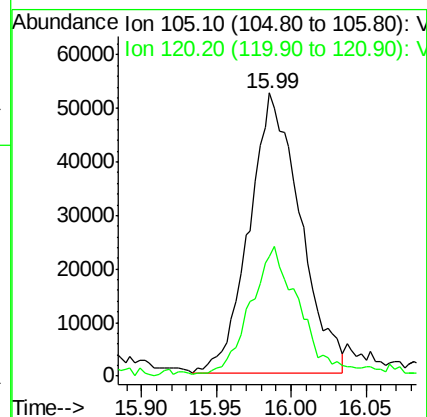
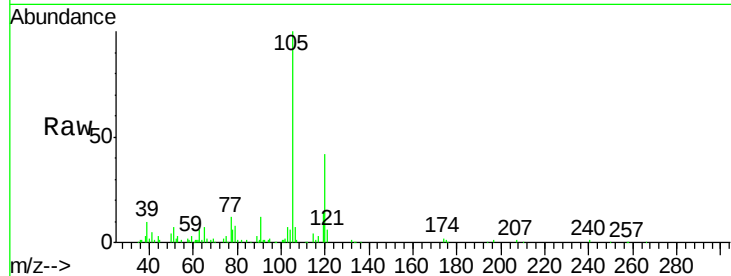
#73
 1,3,5-Trimethylbenzene
 Concen: 0.314 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.3	36.9	55.3

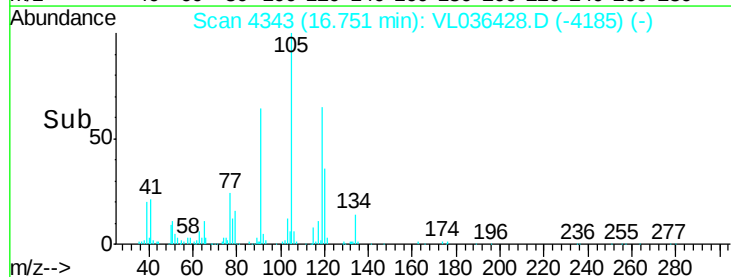
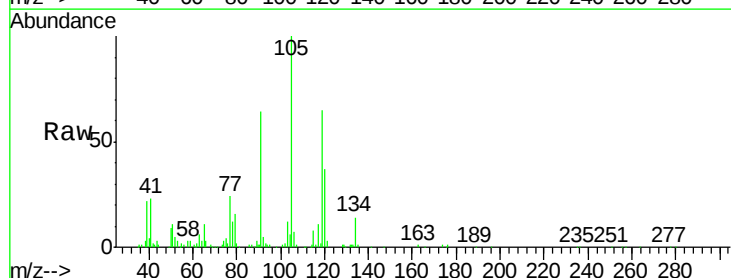
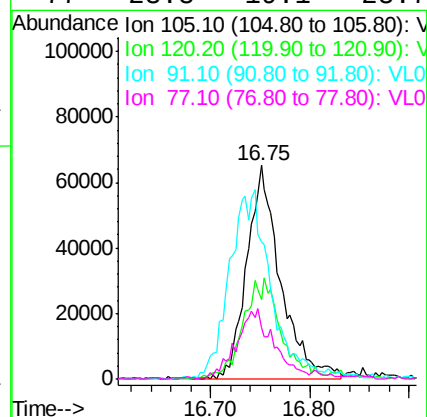
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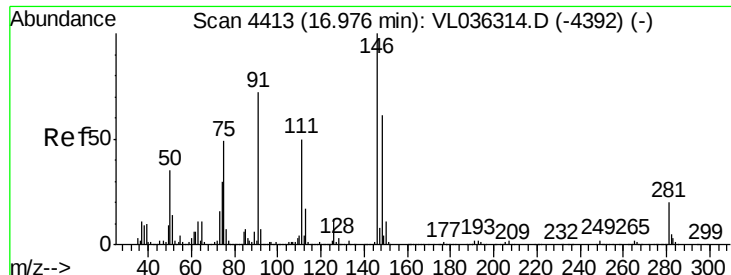
MMDadoda
 3/3/2021 1:52:33 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.380 ppbv m
 RT: 16.75 min Scan# 4343
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.0	35.8	53.6
91	63.9	39.8	59.6
77	23.8	19.1	28.7





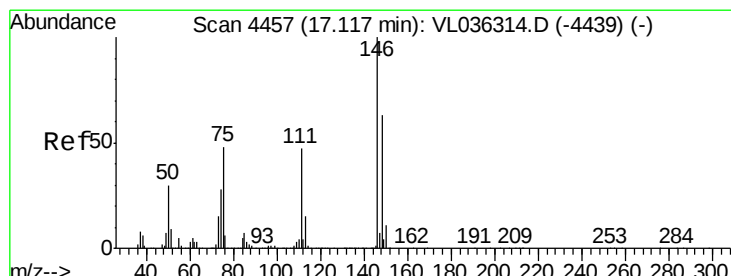
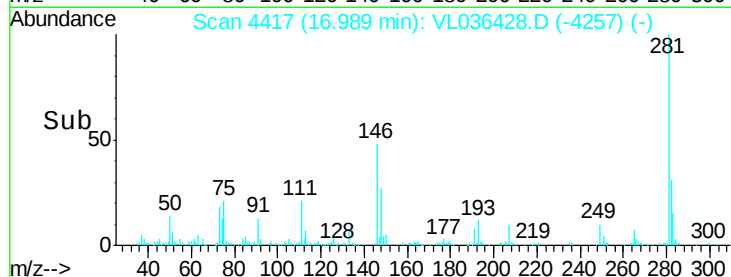
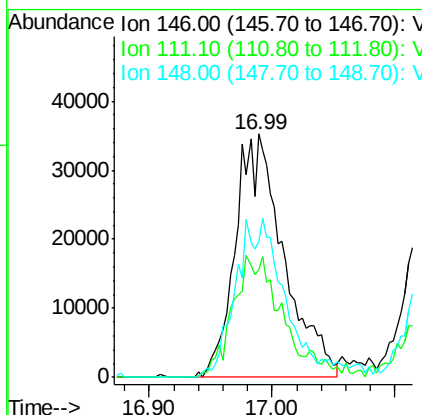
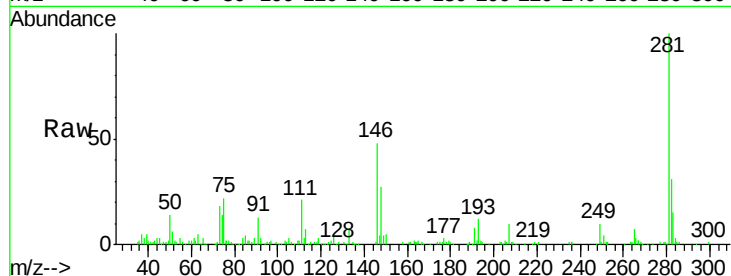
#75
 1,3-Dichlorobenzene
 Concen: 0.440 ppbv m
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.9	74.6#
148	67.8	31.9	95.9

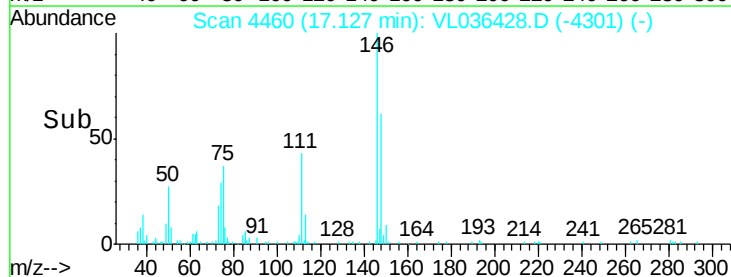
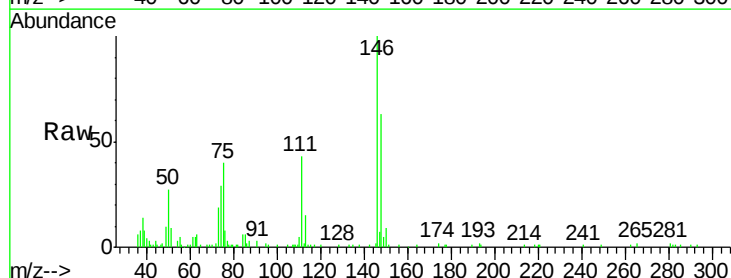
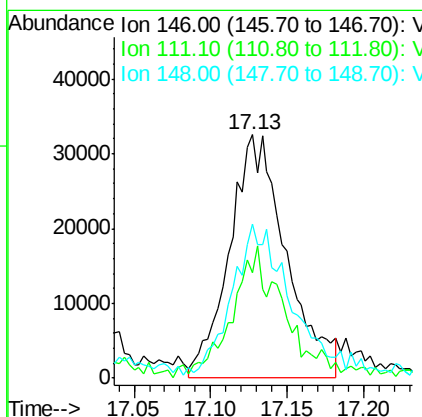
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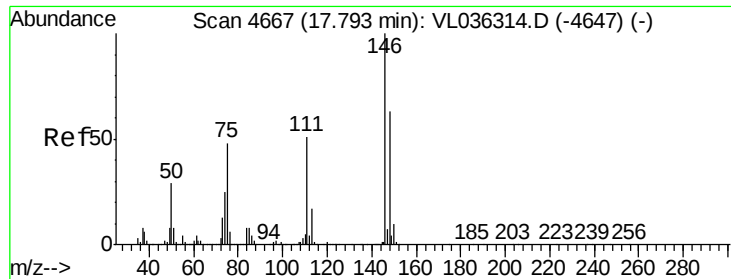
MMDadoda
 3/3/2021 1:52:33 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.371 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.6	71.0
148	0.0	31.6	95.0#





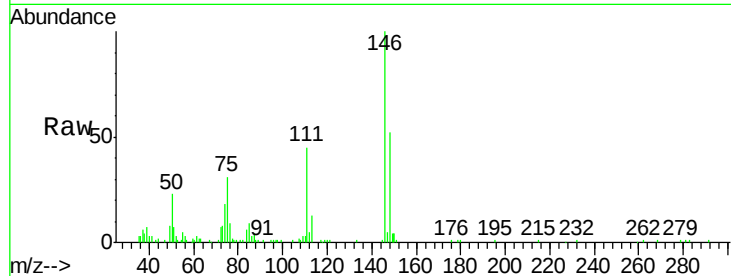
#77
 1,2-Dichlorobenzene
 Concen: 0.404 ppbv m
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	25.9	77.8
148	69.2	32.5	97.4

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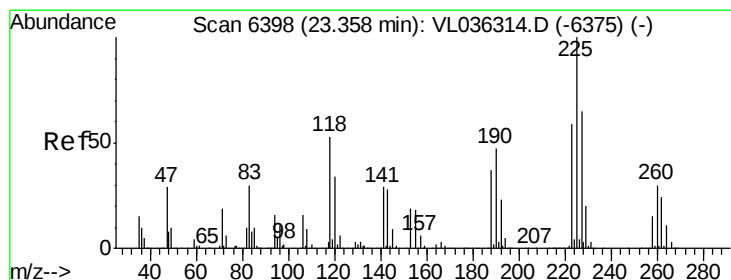
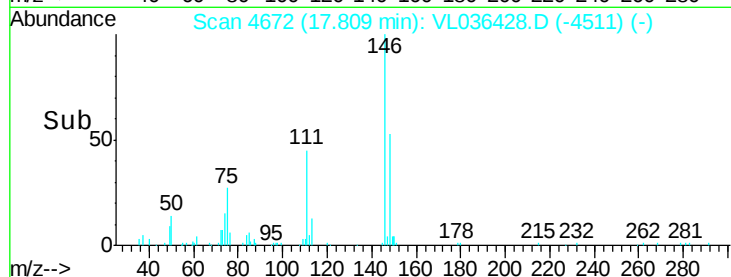
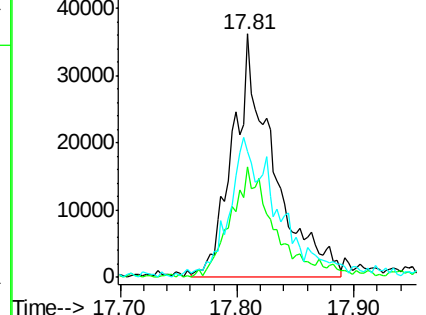


Abundance

Ion 146.00 (145.70 to 146.70): V

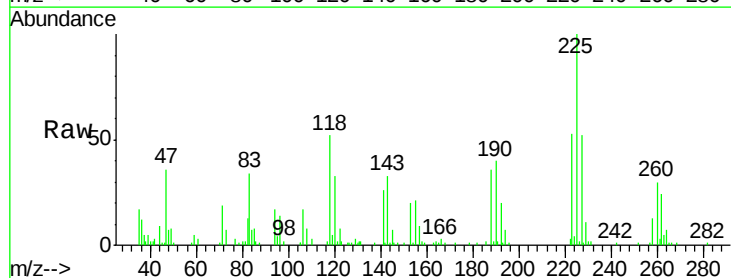
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.466 ppbv m
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.8	76.2
227	67.8	52.2	78.2

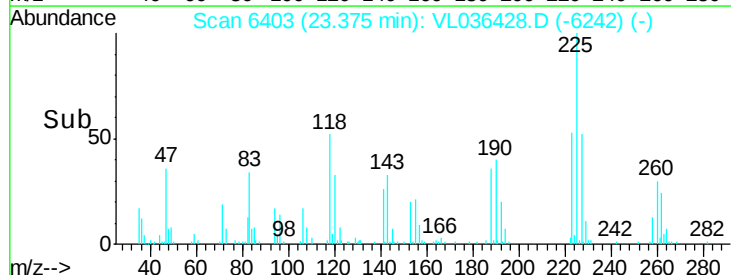
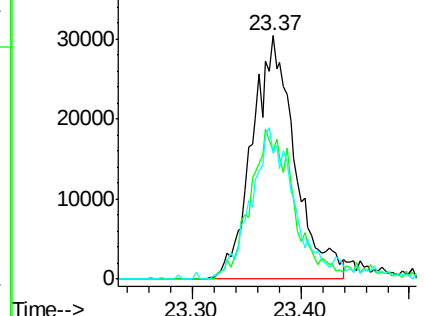


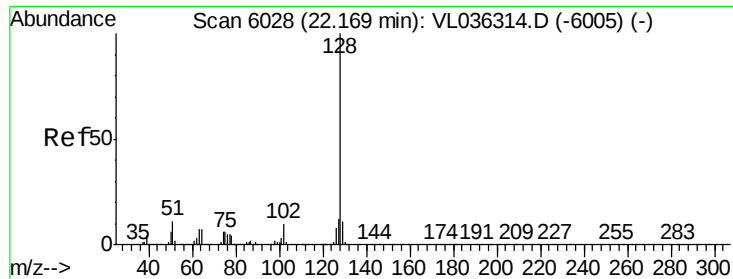
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





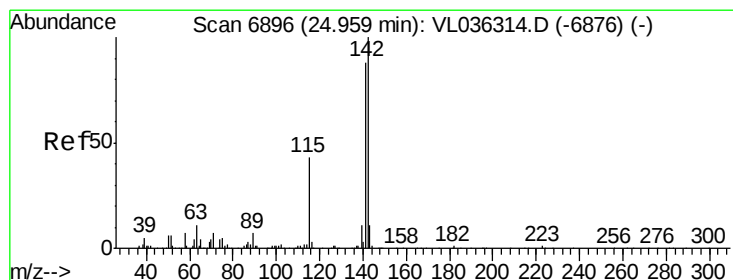
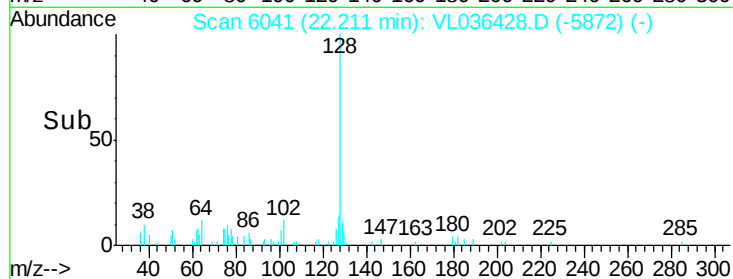
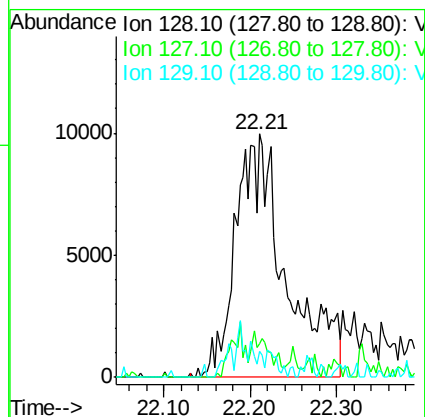
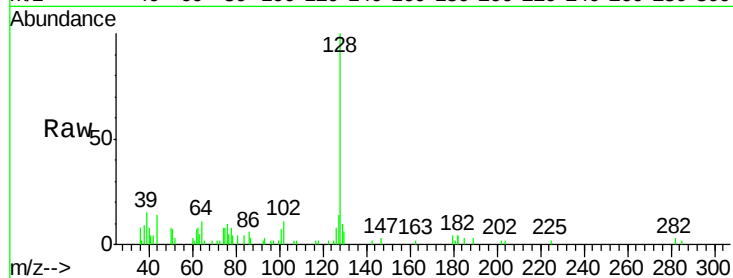
#79
Naphthalene
Concen: 0.166 ppbv m
RT: 22.21 min Scan# 6041
Delta R.T. 0.04 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

Tot Ion:	128	Resp:	39808
Ion Ratio	Lower	Upper	
128	100		
127	13.7	9.6	14.4
129	10.5	8.5	12.7

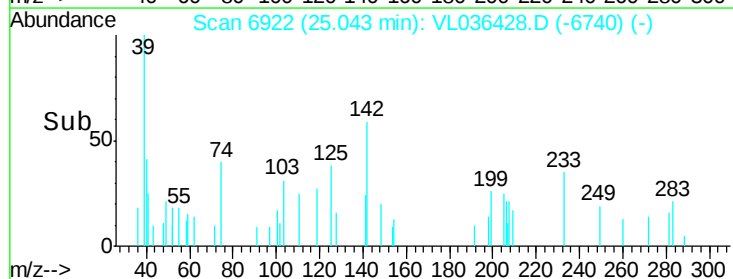
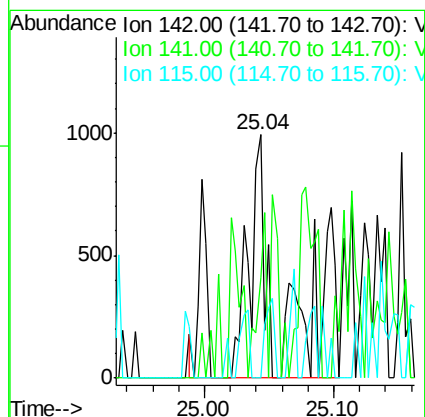
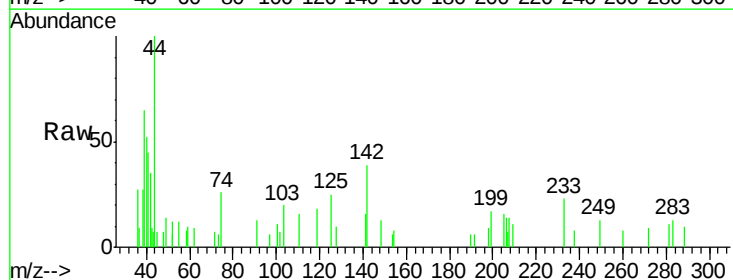
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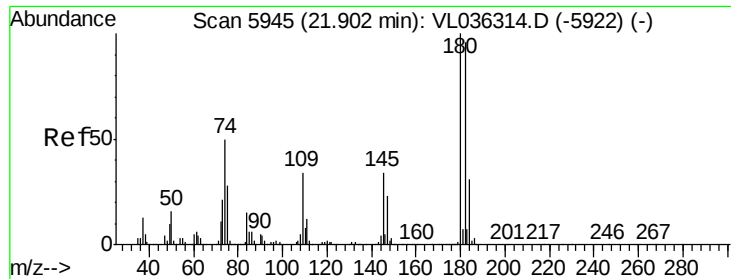
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#80
Naphthalene, 2-methyl-
Concen: 0.045 ppbv m
RT: 25.04 min Scan# 6922
Delta R.T. 0.08 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion:	142	Resp:	1979
Ion Ratio	Lower	Upper	
142	100		
141	35.3	64.4	96.6#
115	17.4	34.6	51.8#





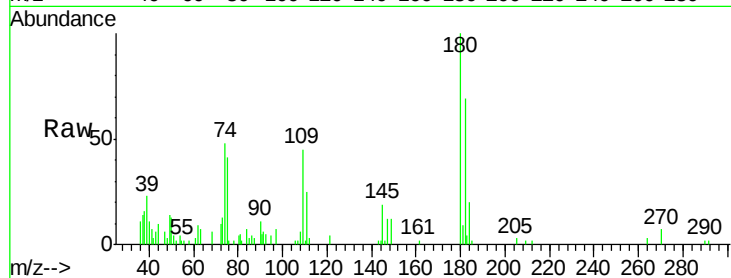
#81
 1,2,4-Trichlorobenzene
 Concen: 0.222 ppbv m
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	80.2	120.4
184	0.0	25.0	37.6

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

