

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036989.D
 Acq On : 19 May 2021 13:01
 Operator : SY/AP
 Sample : M2262-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:01:12 PM

Quant Time: May 21 16:47:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1161120	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3444733	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3459026	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2589272	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	128158	0.651 ppbv	96
3) Chlorodifluoromethane	2.97	51	121434	0.571 ppbv	99
4) Chloromethane	3.12	50	41181	0.569 ppbv	97
5) Vinyl Chloride	3.24	62	39173	0.495 ppbv	99
6) Bromomethane	3.46	94	24334m	0.584 ppbv	
7) Chloroethane	3.54	64	13827	0.538 ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	107356	0.580 ppbv	99
9) Propene	2.99	41	43115	0.566 ppbv	94
10) Heptane	8.10	43	87203	0.459 ppbv	94
11) Trichlorofluoromethane	3.93	101	99388	0.545 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	66182	0.510 ppbv	89
13) Ethanol	3.61	45	5821m	0.573 ppbv	
14) Bromoethene	3.72	108	27435	0.480 ppbv #	82
15) Acetone	3.86	43	71405	0.600 ppbv #	68
16) 1,3-Butadiene	3.31	39	35185	0.476 ppbv	94
17) tert-Butyl alcohol	4.31	59	53613m	0.492 ppbv	
18) 1,1-Dichloroethene	4.27	96	33630m	0.560 ppbv	
19) Isopropyl Alcohol	3.98	45	39553m	0.619 ppbv	
20) Methylene Chloride	4.32	84	37580	0.589 ppbv	97
21) Allyl Chloride	4.39	41	43928	0.490 ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	27241	0.473 ppbv	92
23) Vinyl Acetate	5.07	43	71661m	0.380 ppbv	
24) 1,1-Dichloroethane	4.99	63	74379	0.547 ppbv	96
25) Ethyl Acetate	5.67	43	129007	0.451 ppbv #	98
26) Hexane	5.66	57	73963	0.507 ppbv	89
27) Carbon Disulfide	4.53	76	56293	0.383 ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	81638	0.467 ppbv	98
29) Chloroform	5.72	83	110757	0.537 ppbv	95
30) Cyclohexane	7.11	84	62868m	0.507 ppbv	
31) cis-1,2-Dichloroethene	5.53	61	58672	0.448 ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	91007	0.411 ppbv #	88
34) 2-Butanone	5.25	43	74646m	0.595 ppbv	
35) Carbon Tetrachloride	6.99	117	92755	0.405 ppbv	91
36) Benzene	6.86	78	141883	0.478 ppbv	99
37) 1,2-Dichloroethane	6.28	62	76922	0.523 ppbv	99
38) Trichloroethene	7.81	130	60722m	0.478 ppbv	
39) 1,2-Dichloropropane	7.58	63	46544	0.407 ppbv	93
40) 1,4-Dioxane	7.86	88	13182m	0.488 ppbv	
41) Tetrahydrofuran	6.06	42	30883m	0.432 ppbv	
42) Bromodichloromethane	7.76	83	98603m	0.443 ppbv	
43) Methyl Methacrylate	8.00	69	43048m	0.421 ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.84	57	254217m	0.499	ppbv	
45) t-1,3-Dichloropropene	9.25	75	21098m	0.270	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	36351m	0.346	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	55266	0.462	ppbv	94
48) Dibromochloromethane	10.28	129	72841m	0.376	ppbv	
49) Bromoform	13.01	173	54704m	0.342	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	86369	0.417	ppbv	93
51) 2-Hexanone	10.15	43	46210m	0.422	ppbv	
52) Tetrachloroethene	11.19	164	60636	0.514	ppbv	96
53) Toluene	9.78	91	156656	0.444	ppbv	97
54) 1,2-Dibromoethane	10.59	107	76918m	0.452	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	63922m	0.439	ppbv	
57) Chlorobenzene	12.12	112	136782	0.510	ppbv #	93
58) Ethyl Benzene	12.69	91	241334	0.494	ppbv	95
59) m/p-Xylene	12.97	91	402117m	0.996	ppbv	
60) o-Xylene	13.66	91	193549	0.503	ppbv	100
61) Styrene	13.50	104	86722	0.400	ppbv	92
62) Isopropylbenzene	14.64	105	284240	0.514	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	131942m	0.459	ppbv	
64) n-propylbenzene	15.54	120	65384	0.458	ppbv #	65
65) tert-Butylbenzene	16.72	119	254265	0.509	ppbv	98
66) Benzyl Chloride	16.98	91	7765m	0.280	ppbv	
67) sec-Butylbenzene	17.27	105	343028	0.504	ppbv	98
69) p-Isopropyltoluene	17.63	119	278638	0.476	ppbv	98
70) n-Butylbenzene	18.53	91	243814	0.438	ppbv	98
71) 2-Chlorotoluene	15.42	91	199291	0.499	ppbv	98
72) 4-Ethyltoluene	15.82	105	218073	0.477	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	195148	0.455	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	213640	0.482	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	130929	0.483	ppbv	95
76) 1,4-Dichlorobenzene	17.11	146	115753	0.423	ppbv	87
77) 1,2-Dichlorobenzene	17.79	146	136645m	0.504	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	110625m	0.507	ppbv	
79) Naphthalene	22.18	128	118367m	0.340	ppbv	
80) Naphthalene, 2-methyl-	25.06	142	30288m	0.400	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	84394	0.398	ppbv	93

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

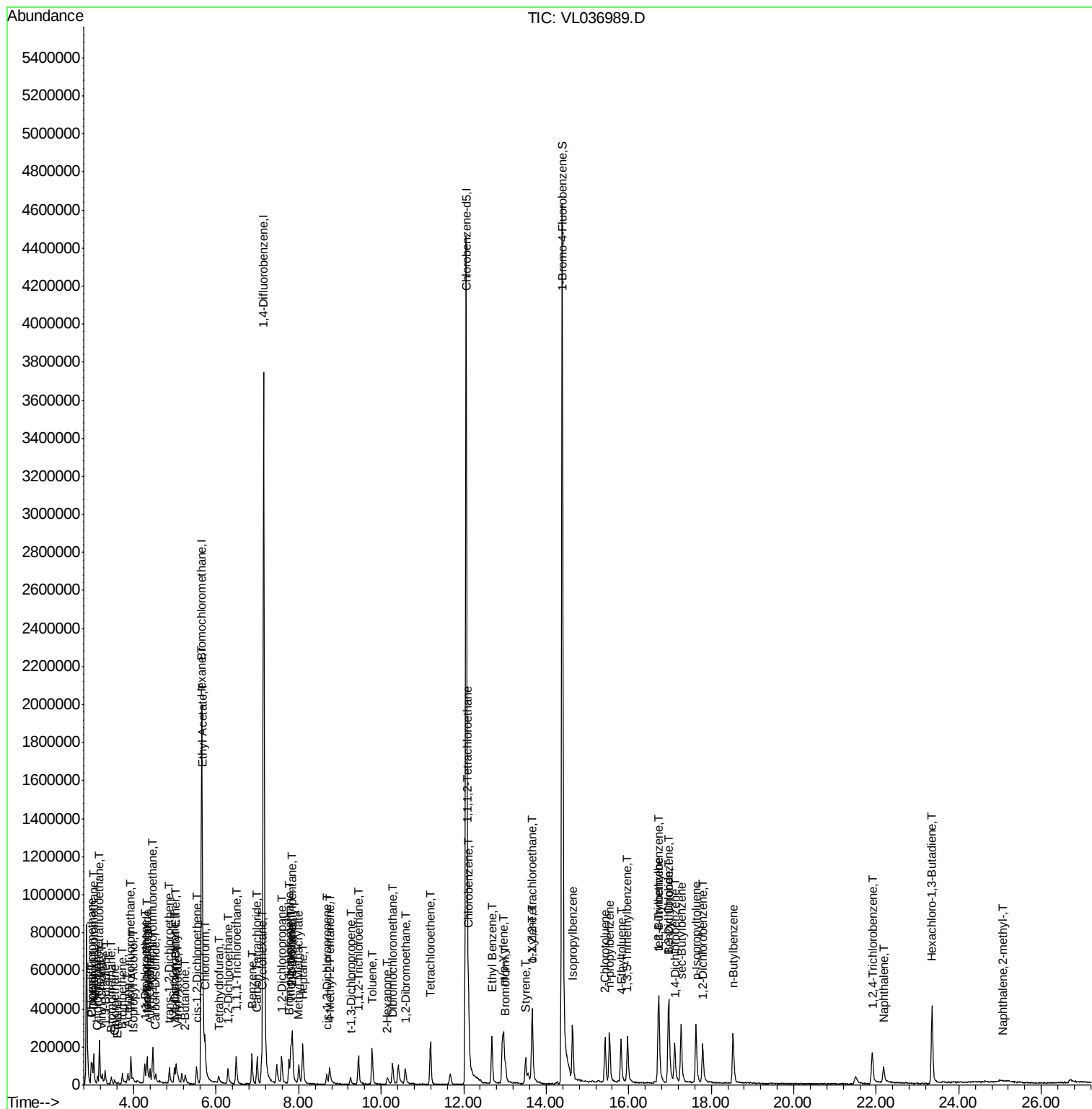
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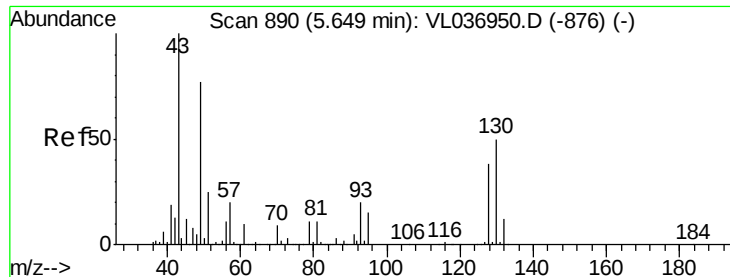
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QLast Update : Tue May 18 12:00:15 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 49 Resp: 1161120

Ion Ratio Lower Upper

49 100

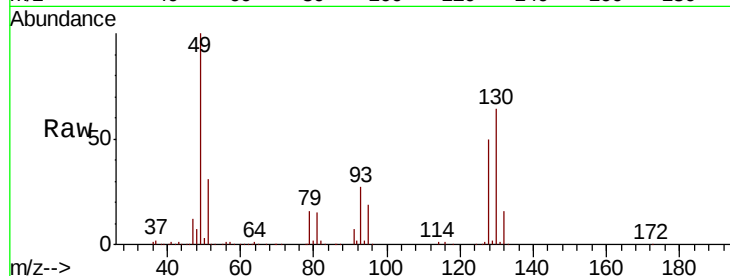
128 54.6 26.9 80.7

130 71.8 33.8 101.4

Manual Integrations
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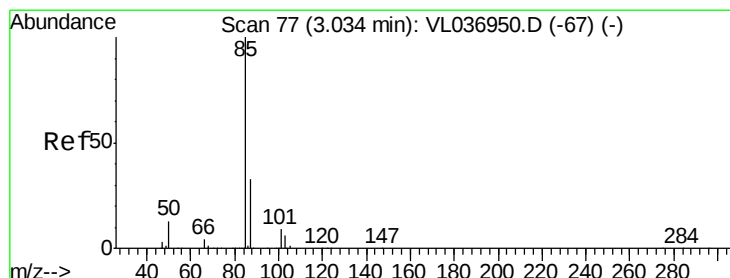
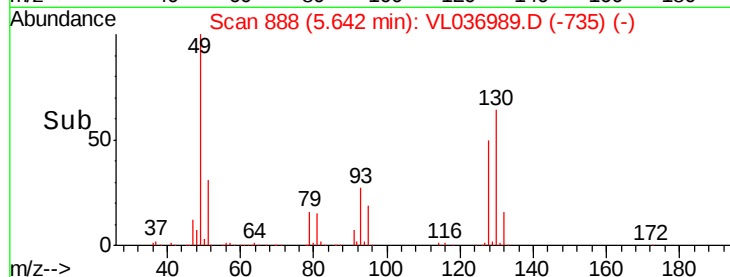
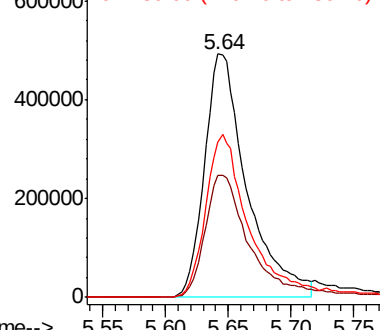
5/24/2021 3:01:12 PM



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: 0.651 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036989.D

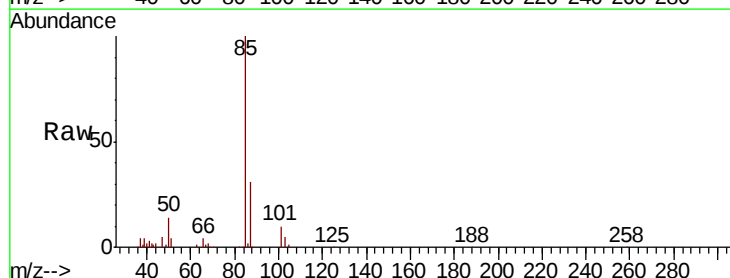
Acq: 19 May 2021 13:01

Tgt Ion: 85 Resp: 128158

Ion Ratio Lower Upper

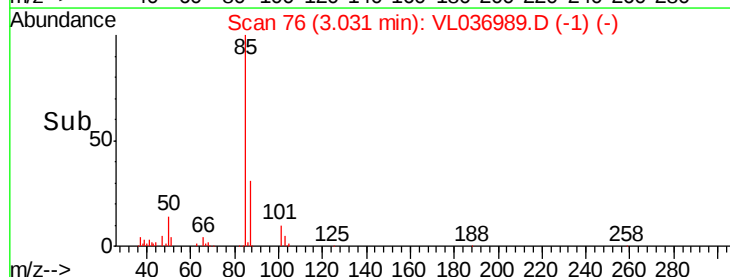
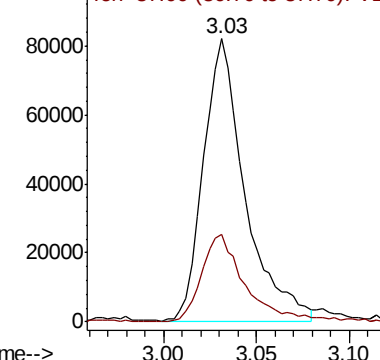
85 100

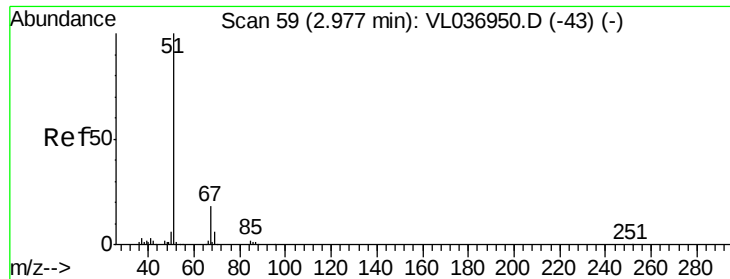
87 30.8 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.571 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

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Tot Ion: 51 Resp: 121434

Ion Ratio Lower Upper

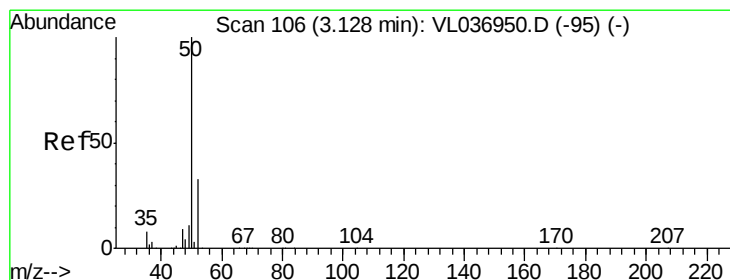
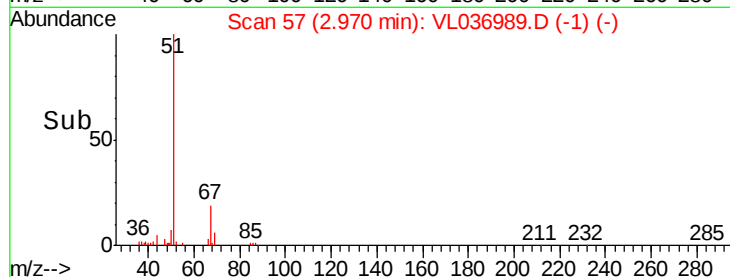
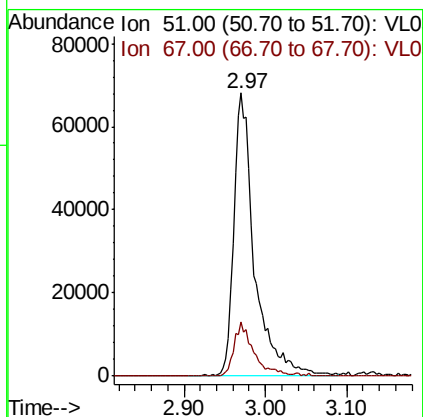
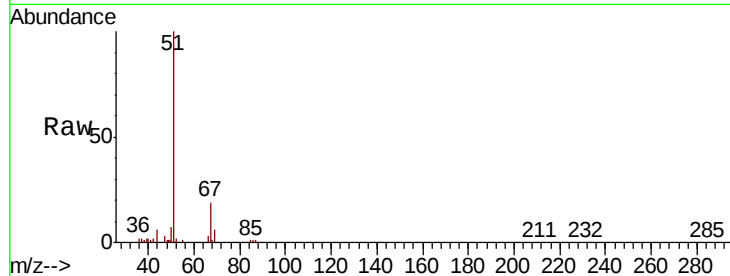
51 100

67 18.8 14.6 21.8

Manual Integrations
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#4

Chloromethane

Concen: 0.569 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036989.D

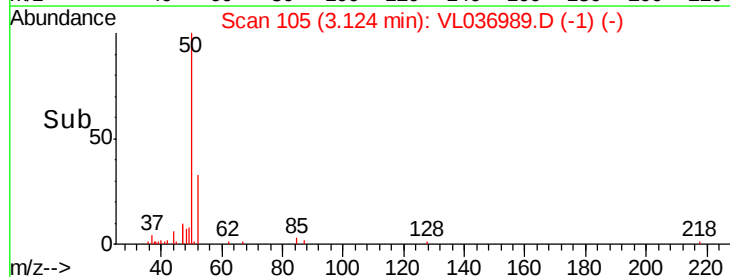
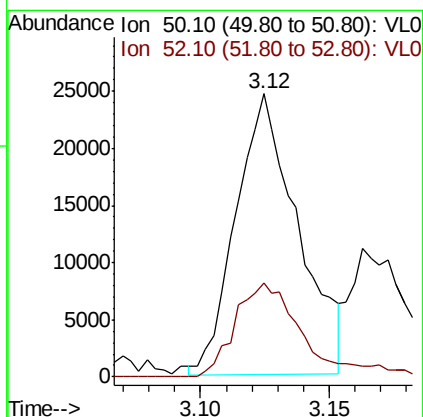
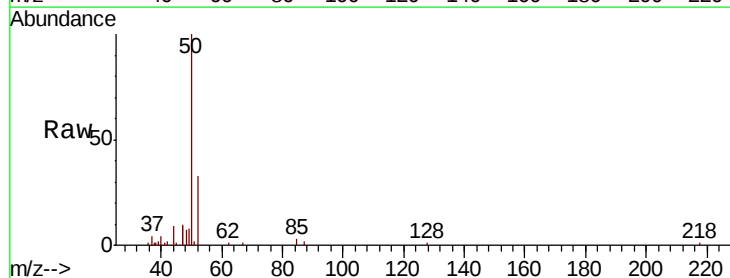
Acq: 19 May 2021 13:01

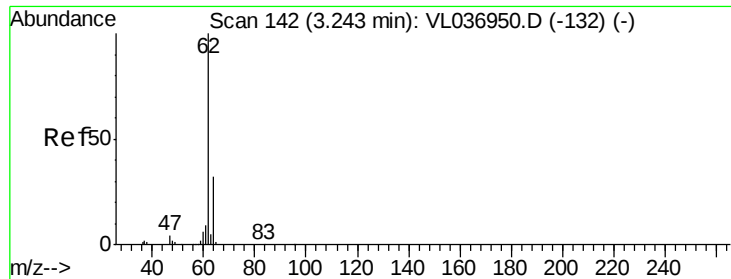
Tgt Ion: 50 Resp: 41181

Ion Ratio Lower Upper

50 100

52 34.3 26.1 39.1





#5

Vinyl Chloride

Concen: 0.495 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 39173

Ion Ratio Lower Upper

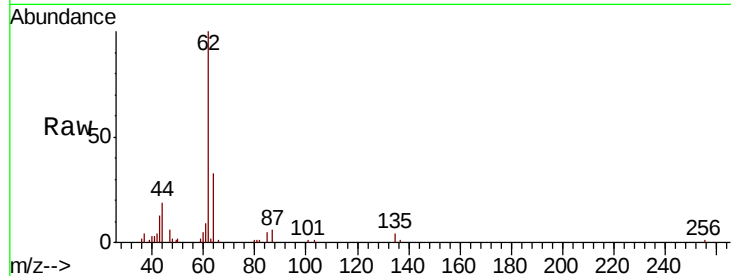
62 100

64 33.1 25.9 38.9

Manual Integrations
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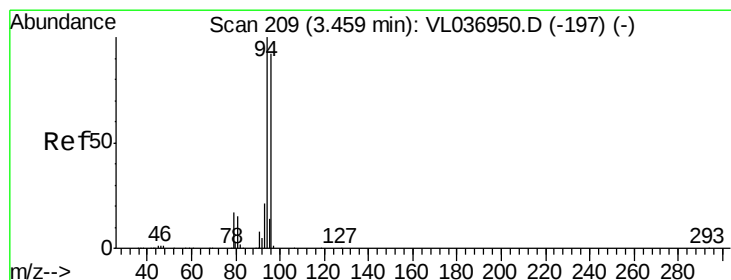
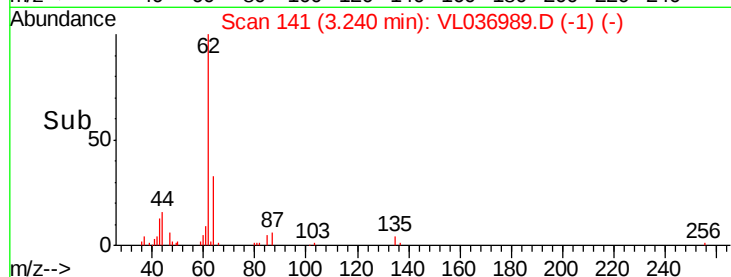
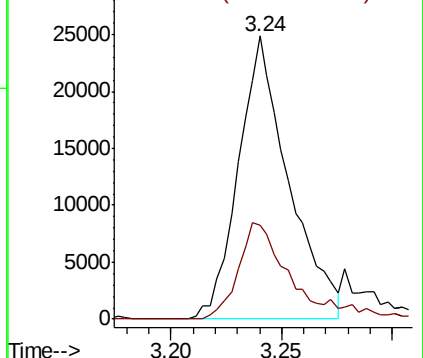
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.584 ppbv m

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036989.D

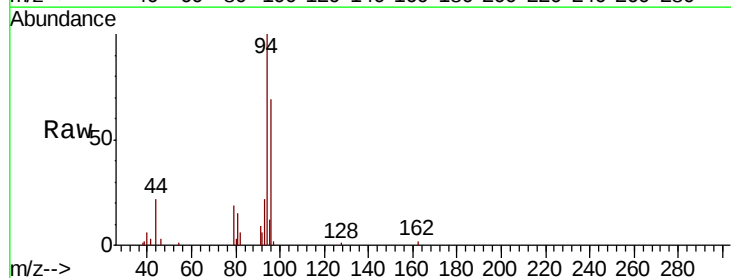
Acq: 19 May 2021 13:01

Tgt Ion: 94 Resp: 24334

Ion Ratio Lower Upper

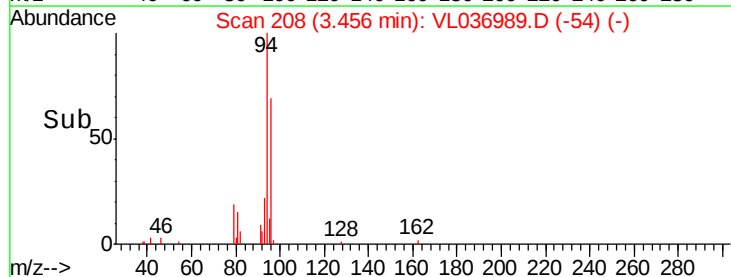
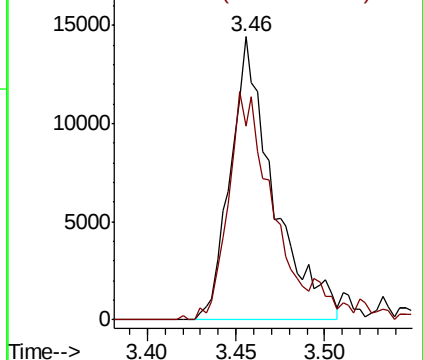
94 100

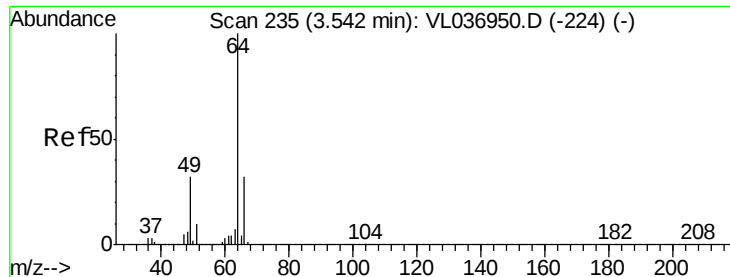
96 68.6 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.538 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

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Tot Ion: 64 Resp: 13827

Ion Ratio Lower Upper

64 100

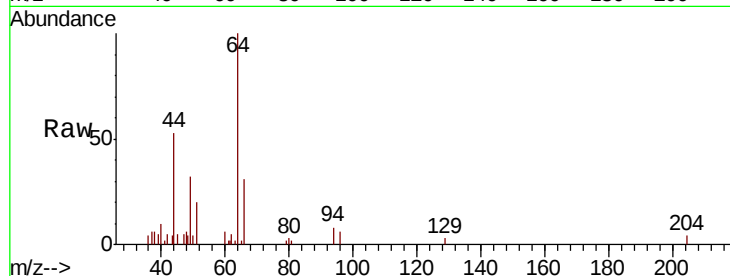
66 31.4 25.4 38.2

Manual Integrations

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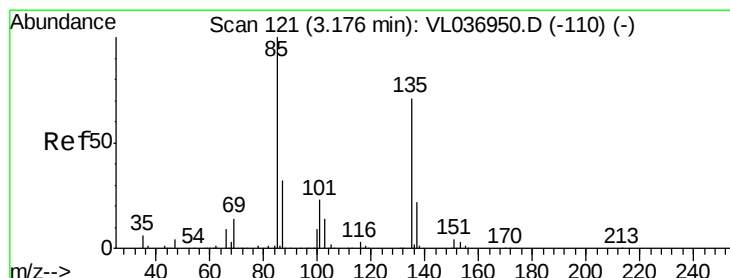
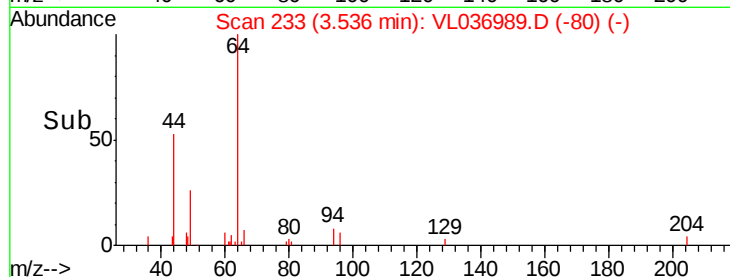
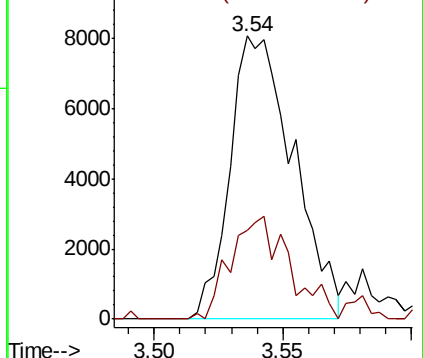
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.580 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036989.D

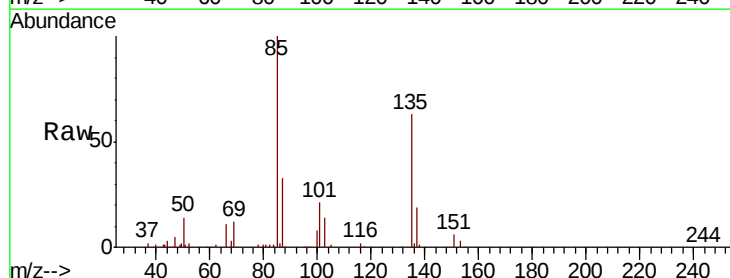
Acq: 19 May 2021 13:01

Tgt Ion: 85 Resp: 107356

Ion Ratio Lower Upper

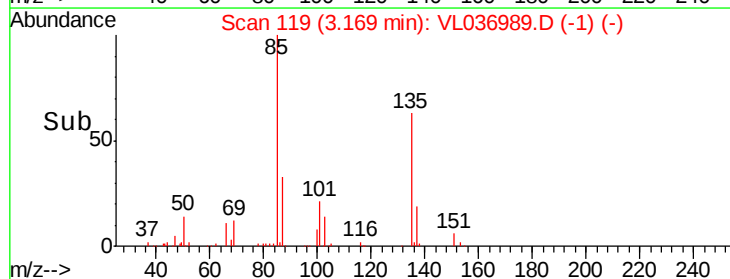
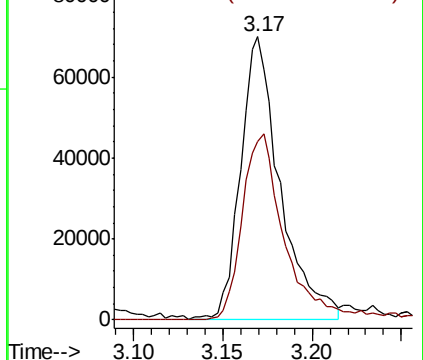
85 100

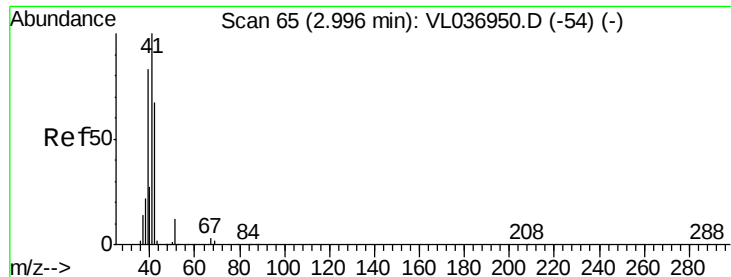
135 72.8 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





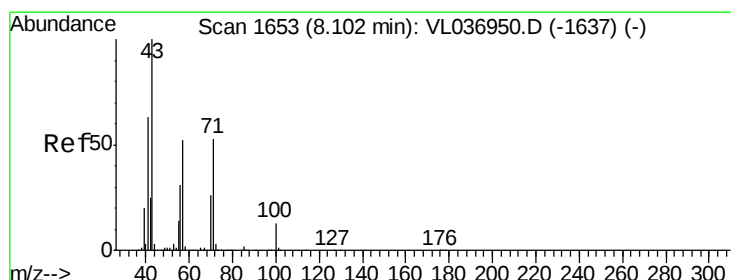
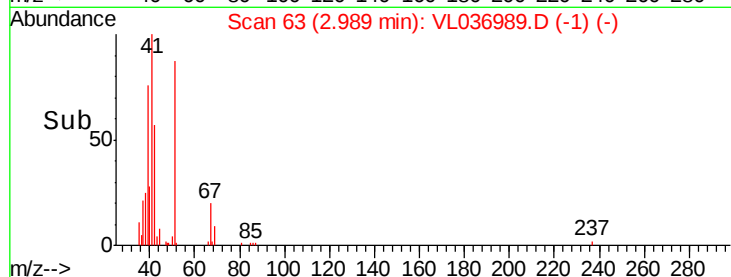
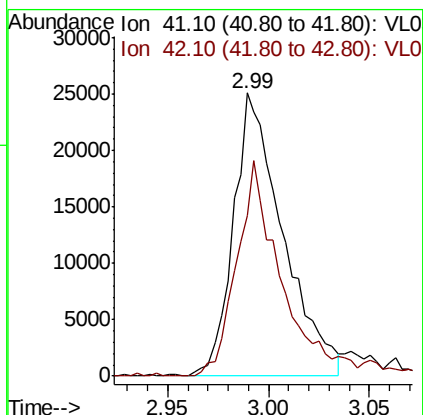
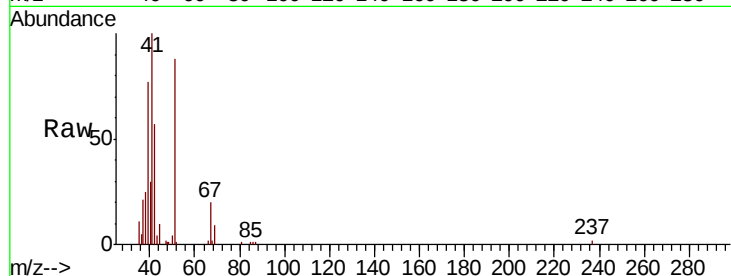
#9
 Propene
 Concen: 0.566 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion: 41 Resp: 43115
 Ion Ratio Lower Upper
 41 100
 42 71.9 53.9 80.9

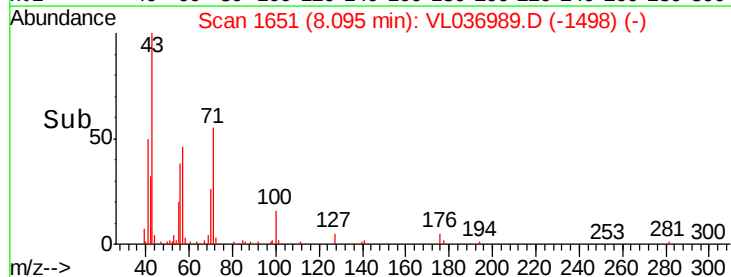
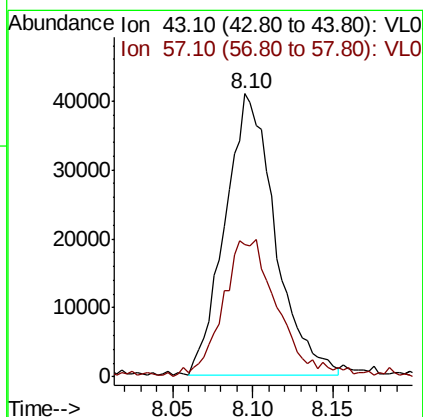
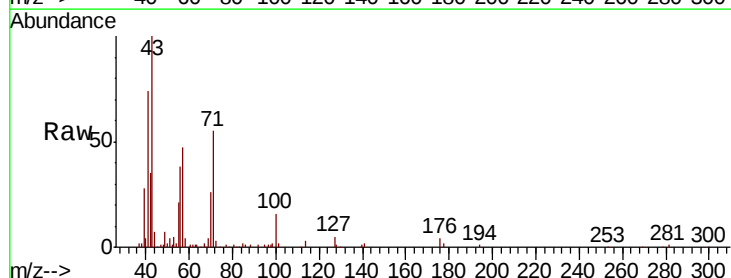
Manual Integrations
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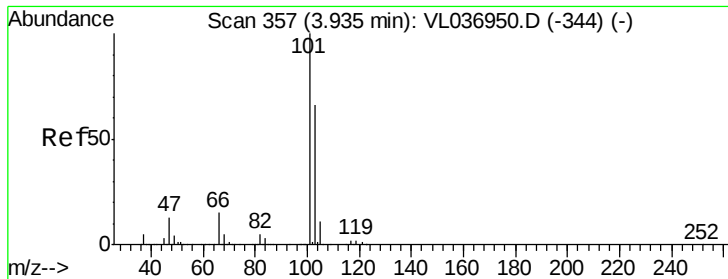
MMDadoda
 5/24/2021 3:01:12 PM



#10
 Heptane
 Concen: 0.459 ppbv
 RT: 8.10 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion: 43 Resp: 87203
 Ion Ratio Lower Upper
 43 100
 57 55.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.545 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:101 Resp: 99388

Ion Ratio Lower Upper

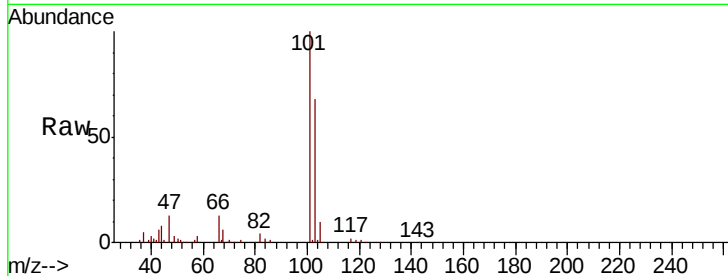
101 100

103 68.4 52.6 79.0

Manual Integrations
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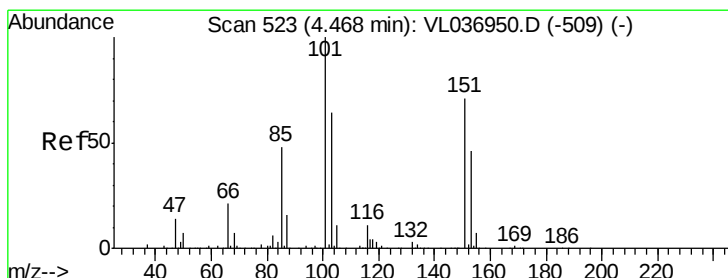
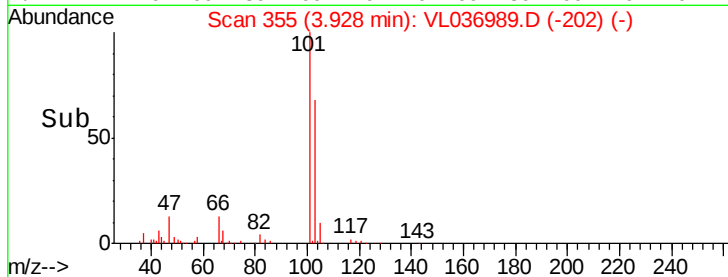
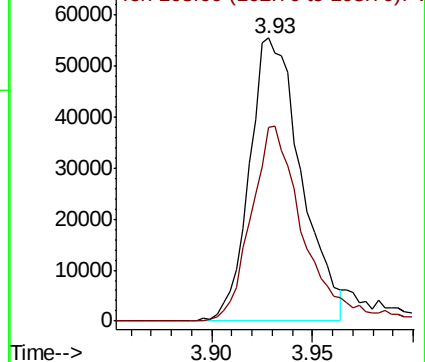
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.510 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL036989.D

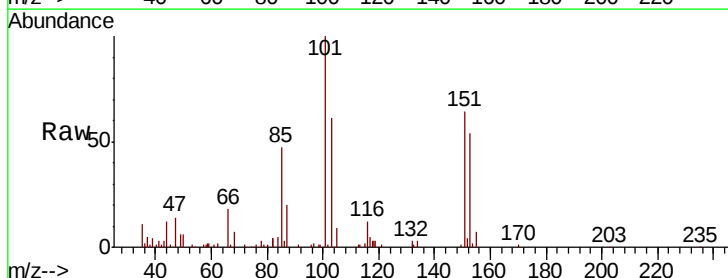
Acq: 19 May 2021 13:01

Tgt Ion:101 Resp: 66182

Ion Ratio Lower Upper

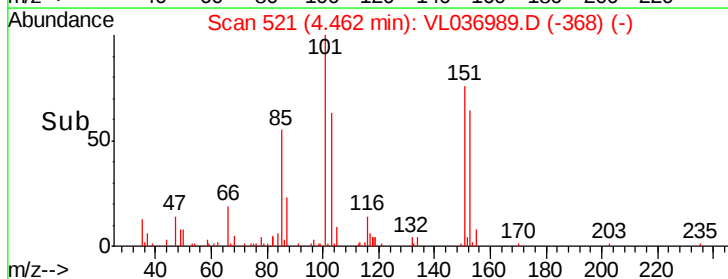
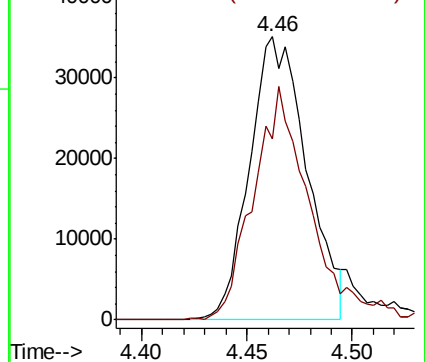
101 100

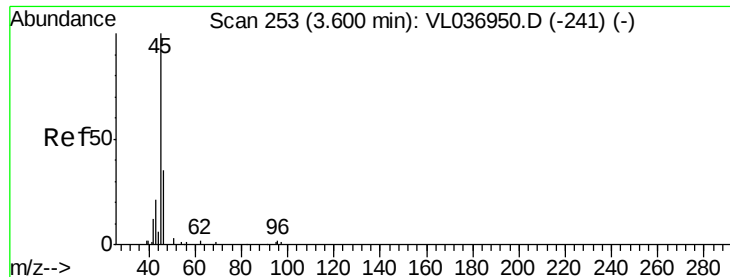
151 81.3 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





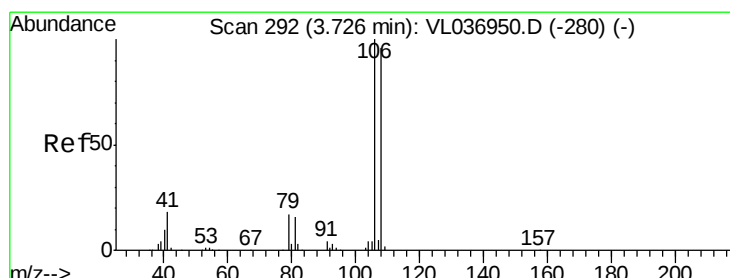
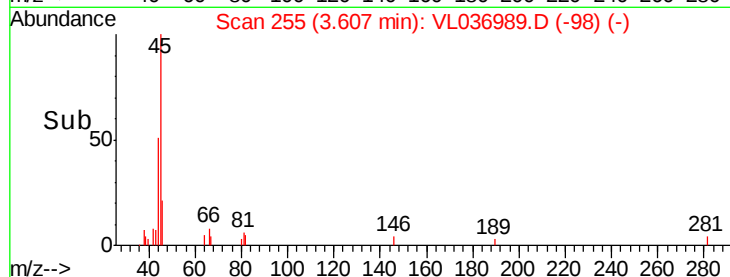
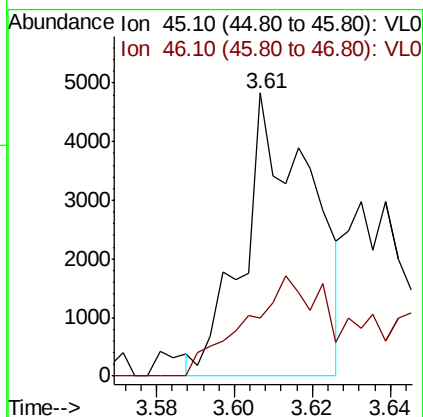
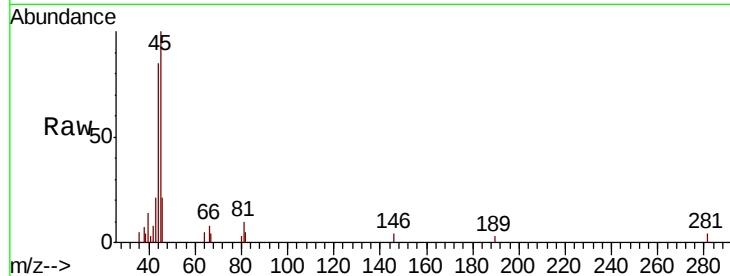
#13
Ethanol
Concen: 0.573 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	45	46	Ratio	Lower	Upper
5821	100	0.0		16.3	65.3#

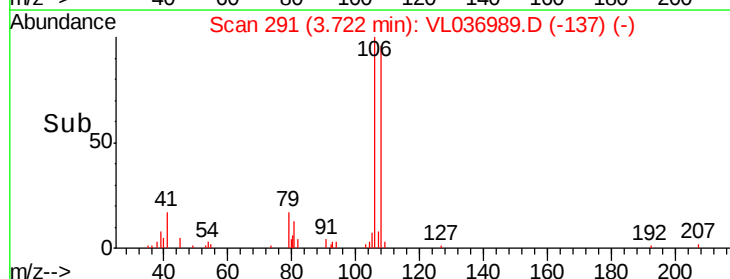
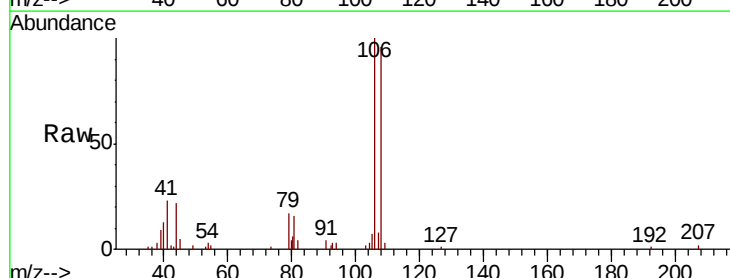
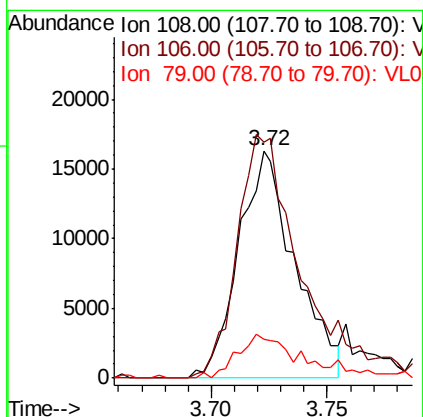
Manual Integrations
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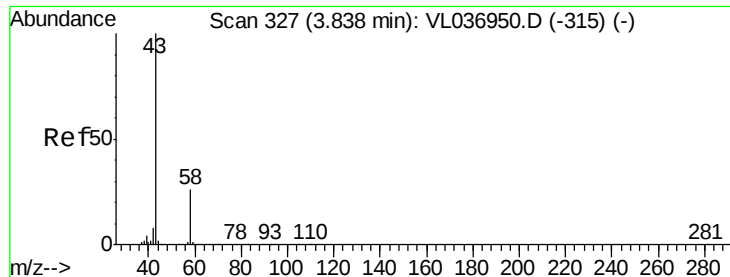
MMDadoda
5/24/2021 3:01:12 PM



#14
Bromoethene
Concen: 0.480 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	108	106	79	Ratio	Lower	Upper
27435	100	127.7	24.4		86.5	129.7
					15.0	22.4#





#15

Acetone

Concen: 0.600 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 71405

Ion Ratio Lower Upper

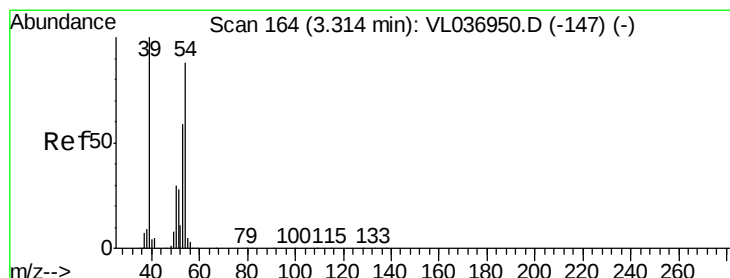
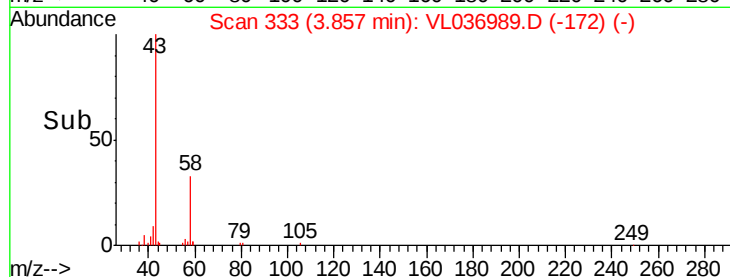
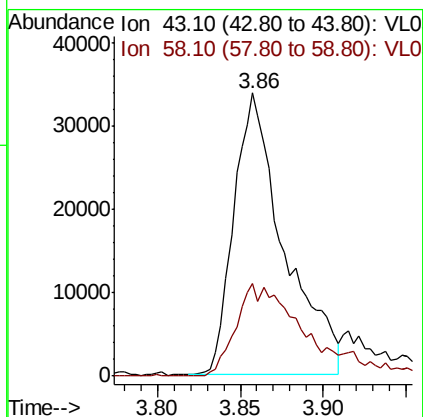
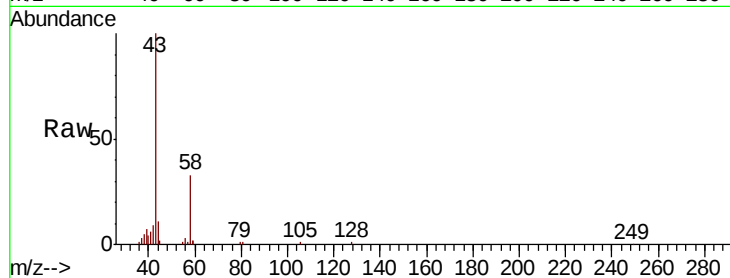
43 100

58 47.3 24.0 36.0#

Manual Integrations
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#16

1,3-Butadiene

Concen: 0.476 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL036989.D

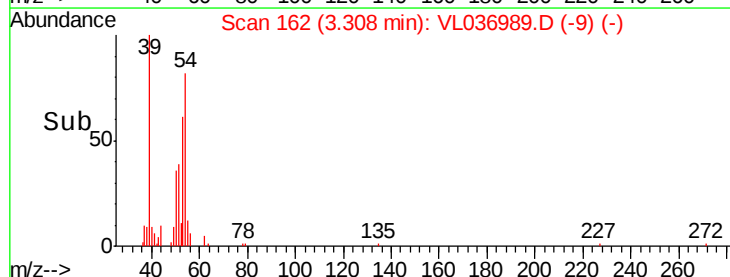
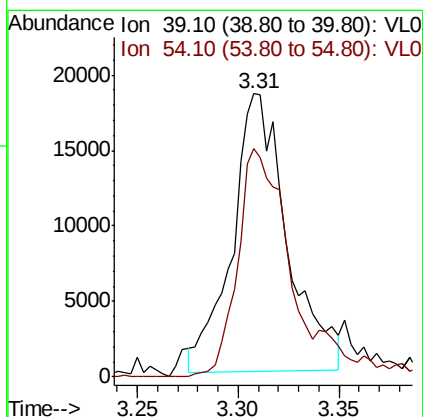
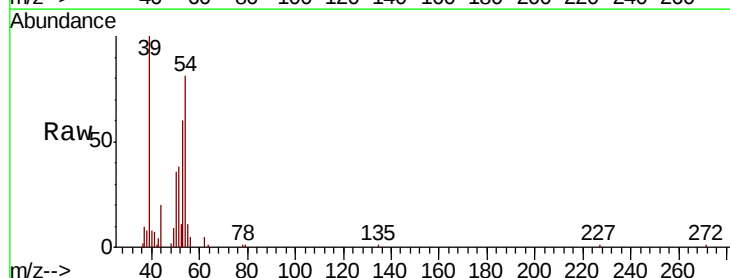
Acq: 19 May 2021 13:01

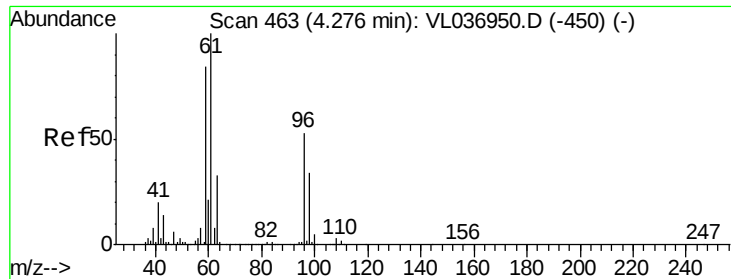
Tgt Ion: 39 Resp: 35185

Ion Ratio Lower Upper

39 100

54 84.6 63.2 94.8





#17

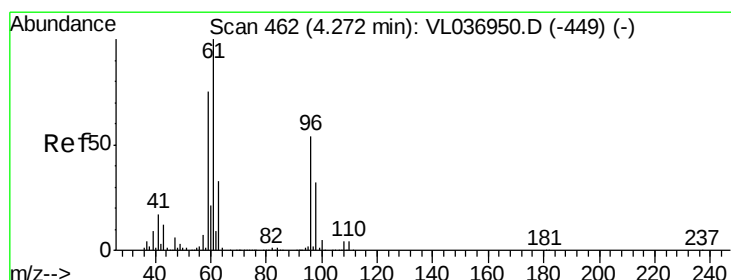
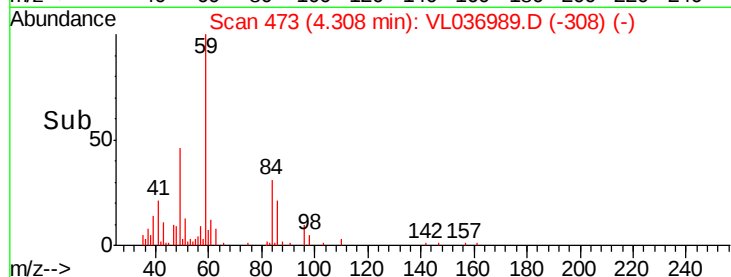
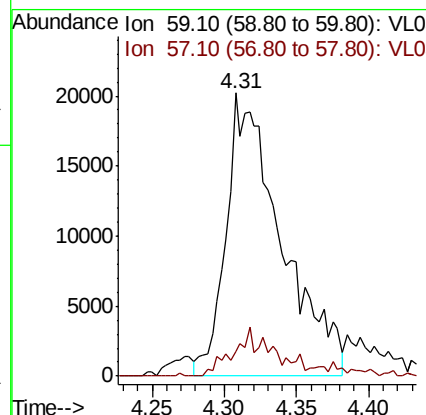
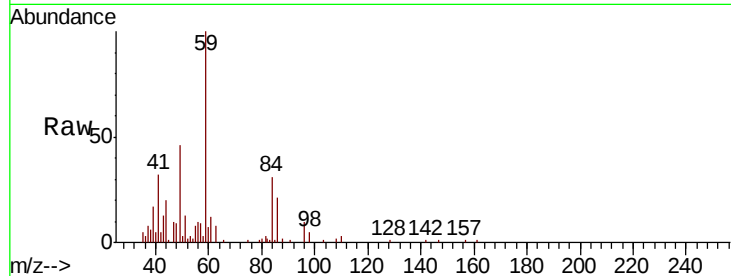
tert-Butyl alcohol
Concen: 0.492 ppbv m
RT: 4.31 min Scan# 473
Delta R.T. 0.03 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion: 59 Resp: 53613
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
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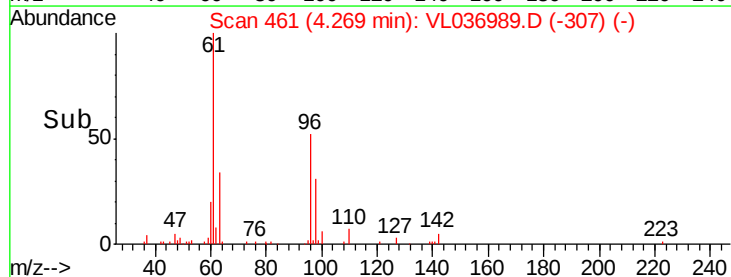
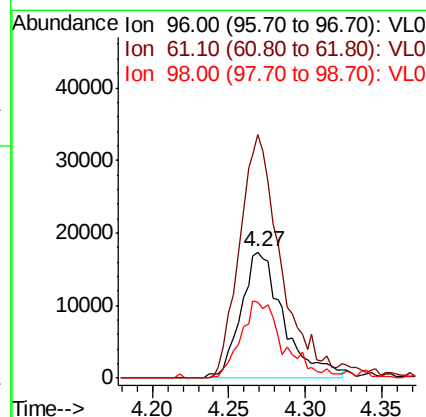
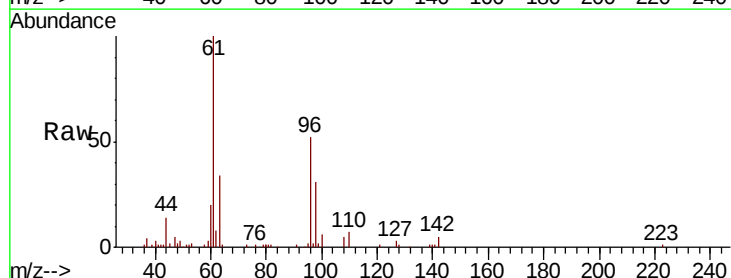
MMDadoda
5/24/2021 3:01:12 PM

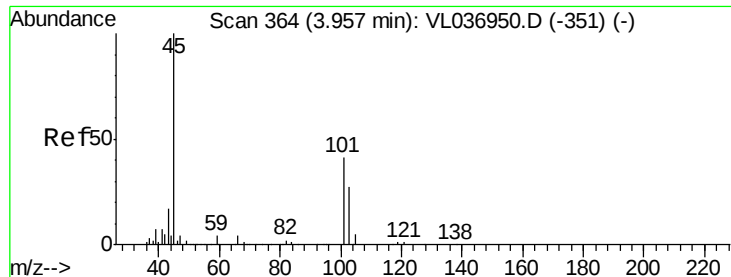


#18

1,1-Dichloroethene
Concen: 0.560 ppbv m
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion: 96 Resp: 33630
Ion Ratio Lower Upper
96 100
61 192.5 148.2 222.4
98 60.1 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.619 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 39553

Ion Ratio Lower Upper

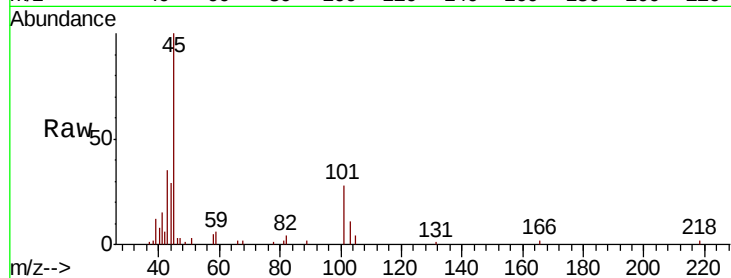
45 100

58 0.0 37.2 55.8#

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

15000

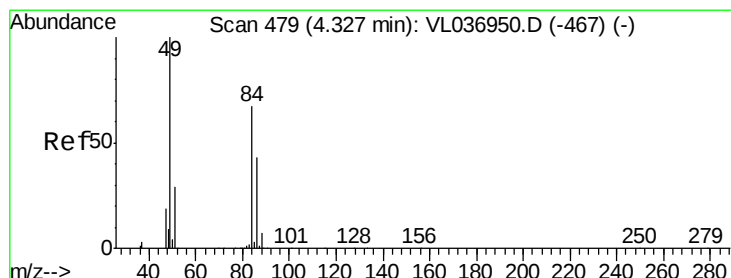
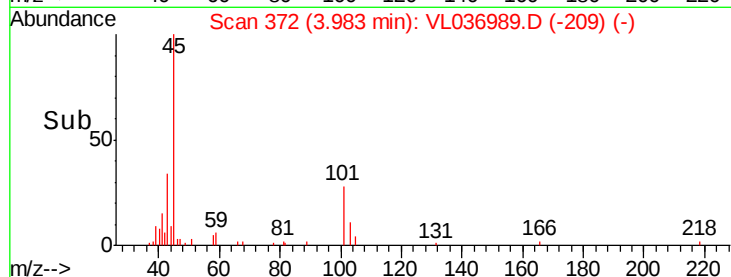
10000

5000

0

Time--> 3.90 3.95 4.00 4.05 4.10

3.98



#20

Methylene Chloride

Concen: 0.589 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion: 84 Resp: 37580

Ion Ratio Lower Upper

84 100

49 144.0 119.8 179.6

51 43.8 35.1 52.7

86 62.9 50.9 76.3

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

40000

30000

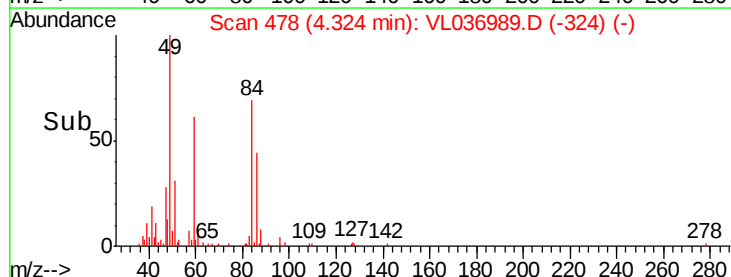
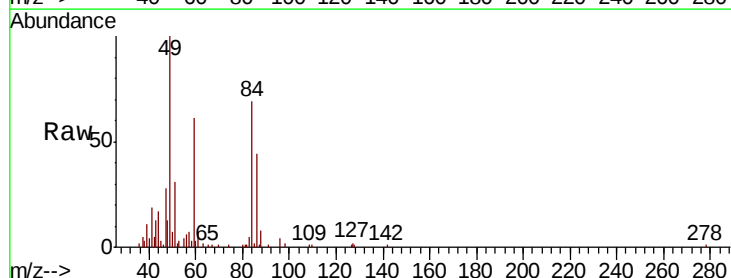
20000

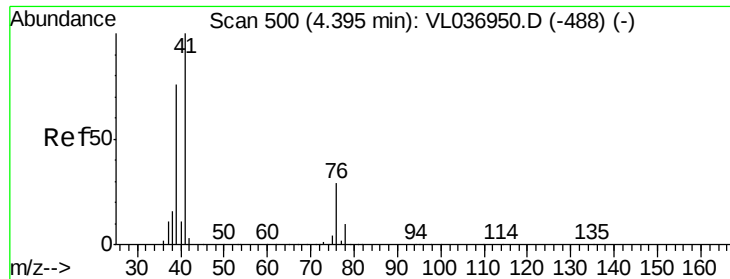
10000

0

Time--> 4.30 4.35

4.32





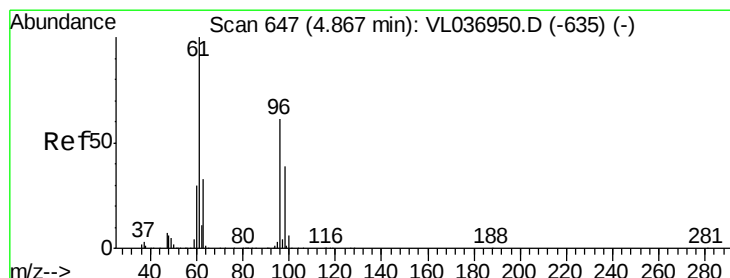
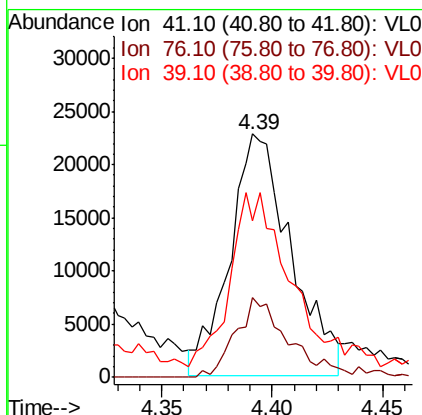
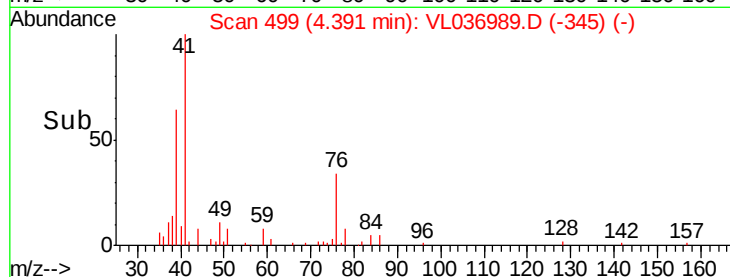
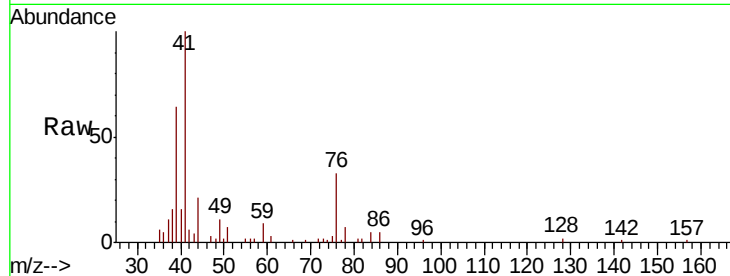
#21
Allvl Chloride
Concen: 0.490 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.9	37.3
39	84.3	63.7	95.5

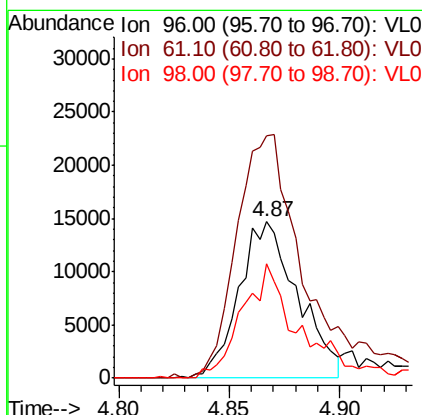
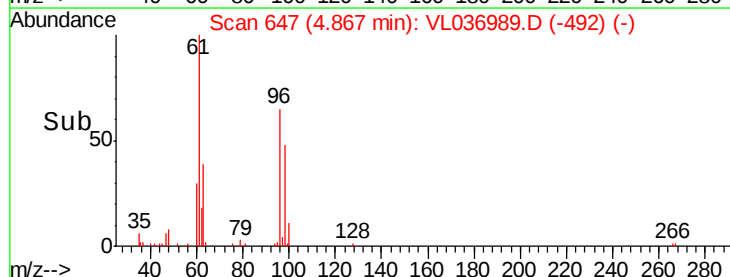
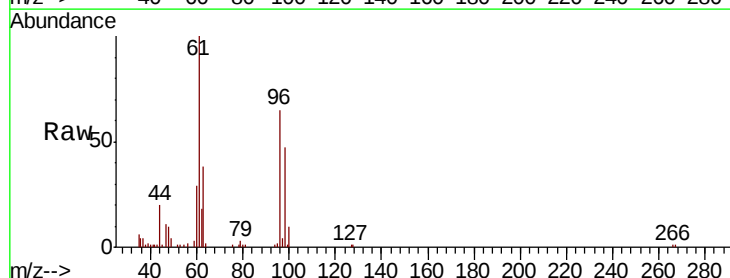
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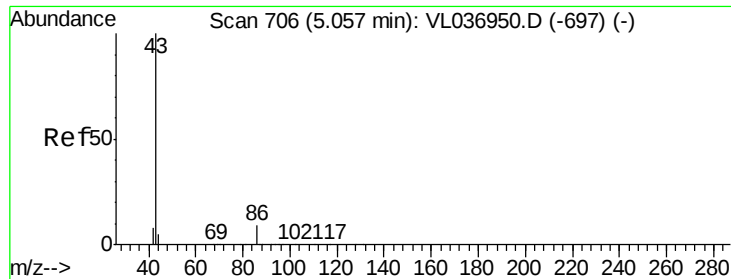
MMDadoda
5/24/2021 3:01:12 PM



#22
trans-1,2-Dichloroethene
Concen: 0.473 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	130.6	196.0
98	73.0	50.8	76.2





#23

Vinyl Acetate

Concen: 0.380 ppbv m

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

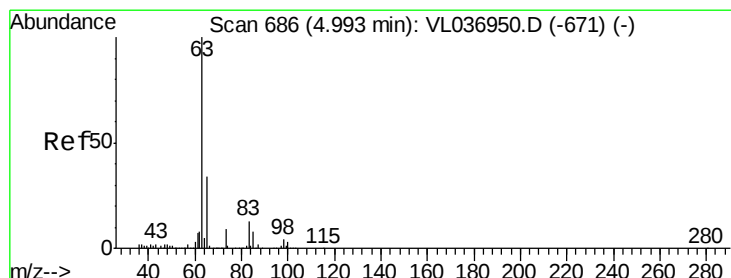
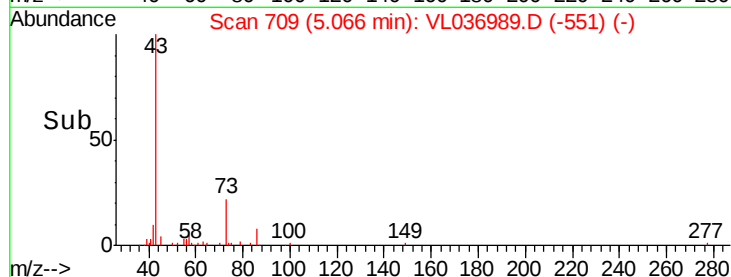
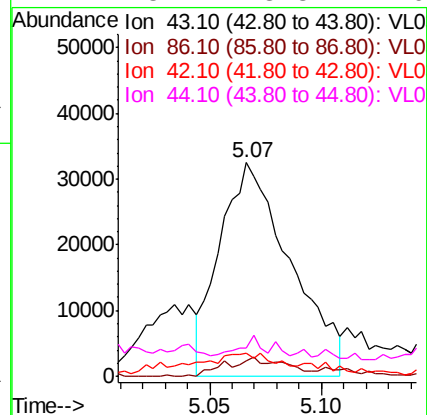
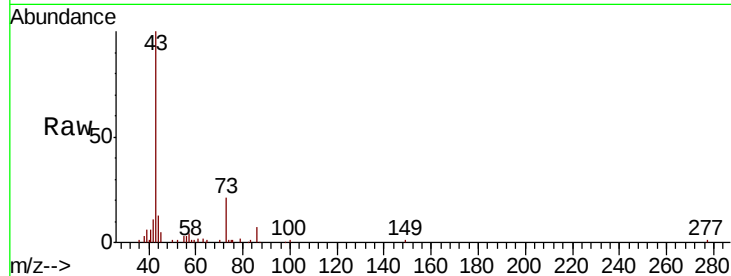
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		71661		
86	7.4	5.8	8.8		
42	10.7	7.4	11.2		
44	13.2	3.3	4.9#		

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.547 ppbv

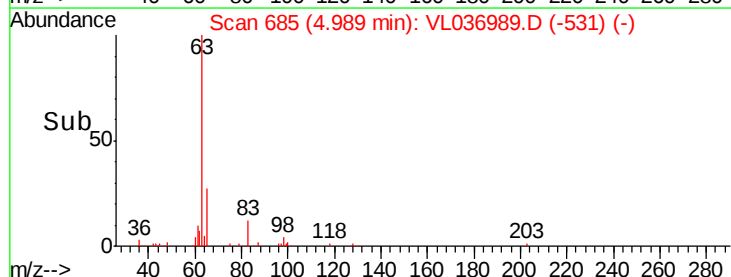
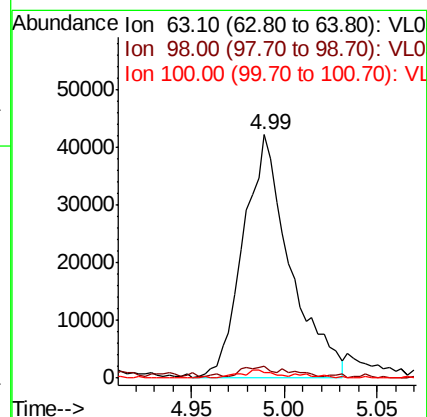
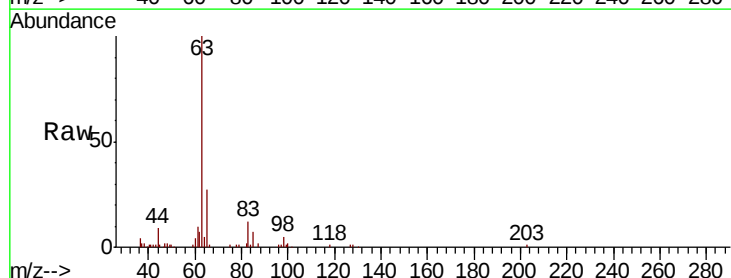
RT: 4.99 min Scan# 685

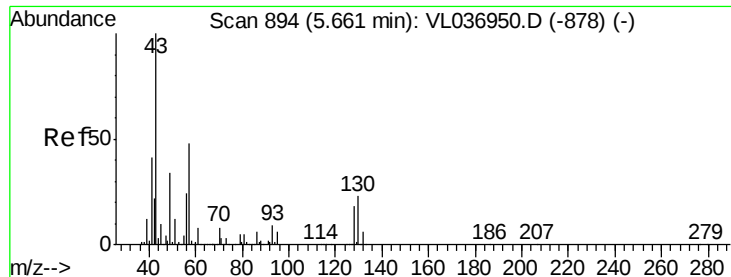
Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		74379		
98	2.8	2.3	6.9		
100	2.5	1.4	4.0		





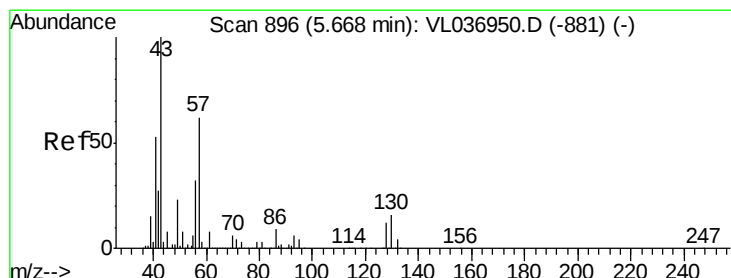
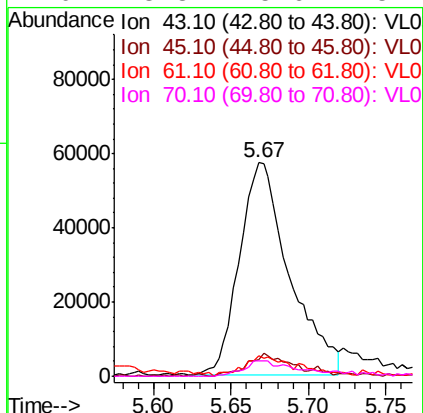
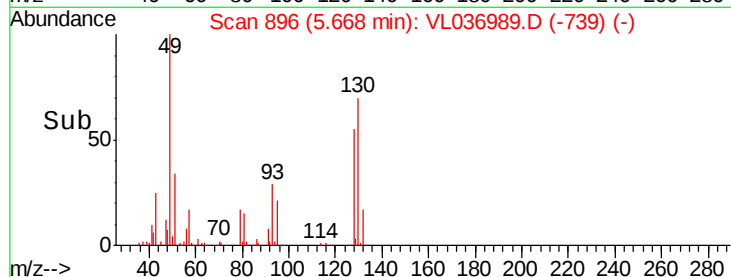
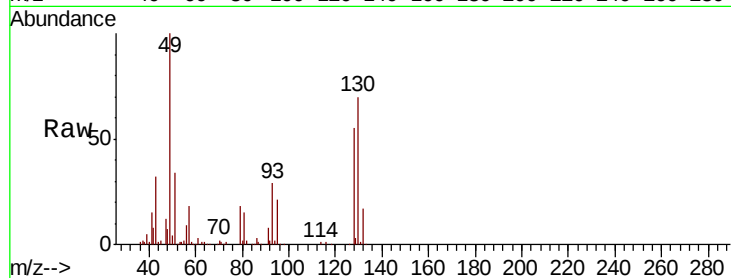
#25
Ethyl Acetate
Concen: 0.451 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.2	7.8	11.8		
61	10.4	7.8	11.8		
70	8.8	5.6	8.4		

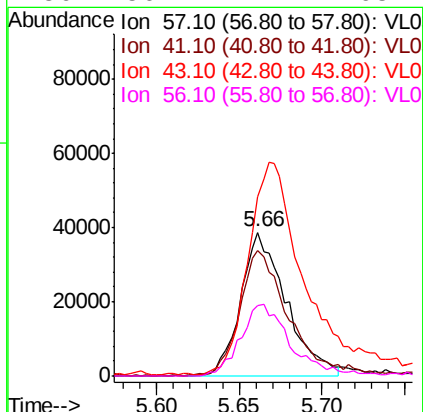
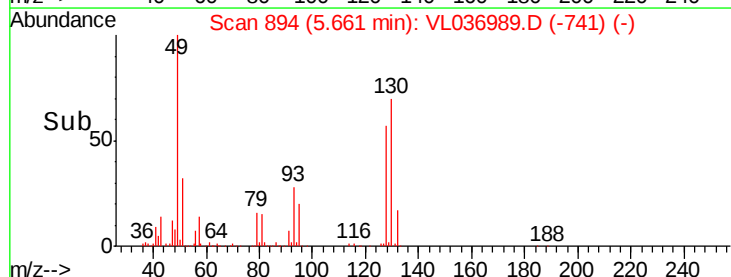
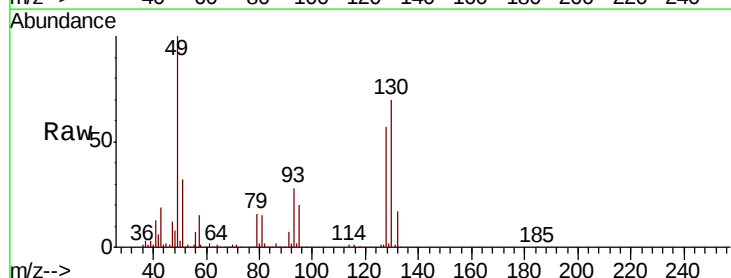
Manual Integrations
APPROVED

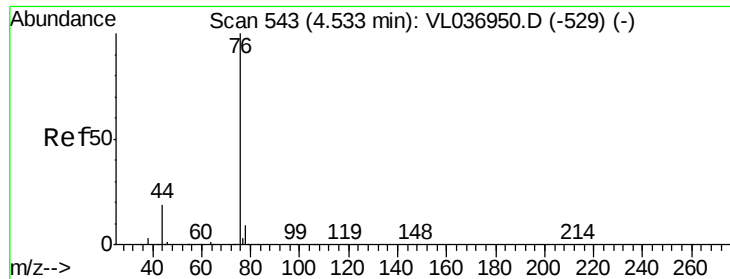
MMDadoda
5/24/2021 3:01:12 PM



#26
Hexane
Concen: 0.507 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	97.0	70.5	105.7		
43	187.8	165.8	248.8		
56	56.2	42.2	63.4		





#27

Carbon Disulfide

Concen: 0.383 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

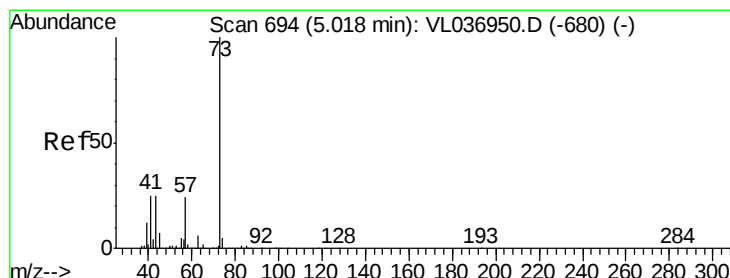
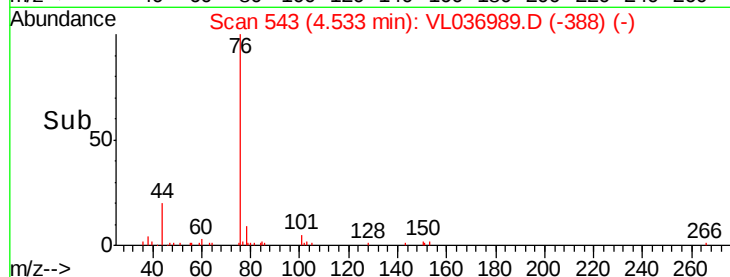
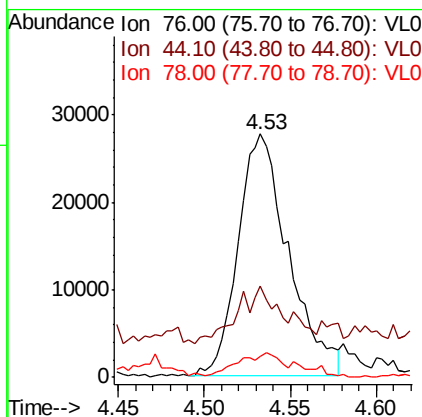
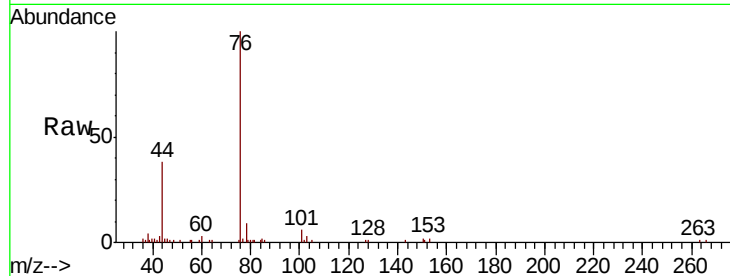
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	76	Resp:	56293
Ion Ratio	Lower	Upper	
76	100		
44	22.7	15.5	23.3
78	11.9	7.8	11.6#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.467 ppbv

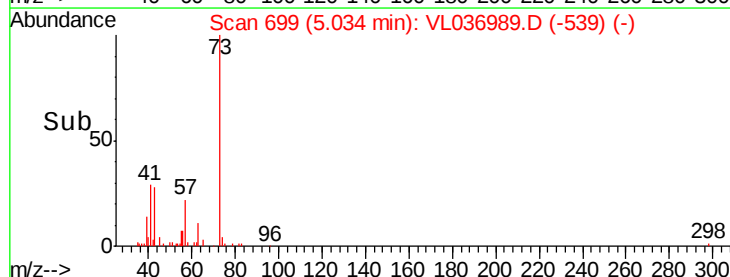
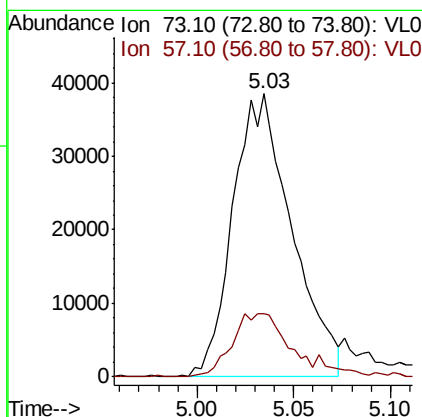
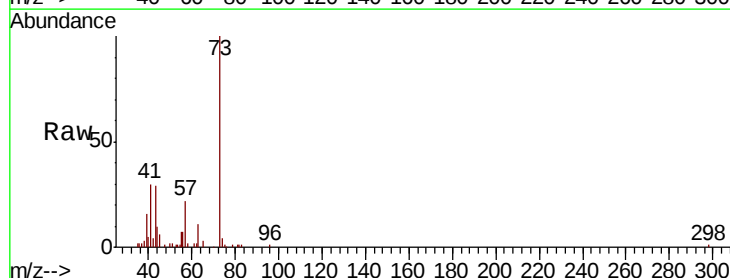
RT: 5.03 min Scan# 699

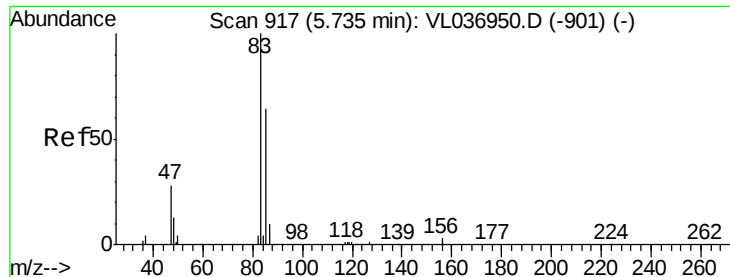
Delta R.T. 0.02 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion:	73	Resp:	81638
Ion Ratio	Lower	Upper	
73	100		
57	23.8	18.3	27.5





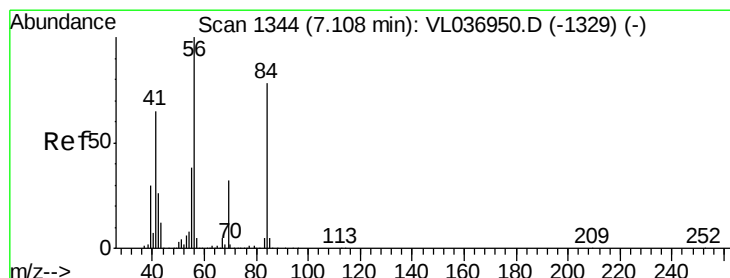
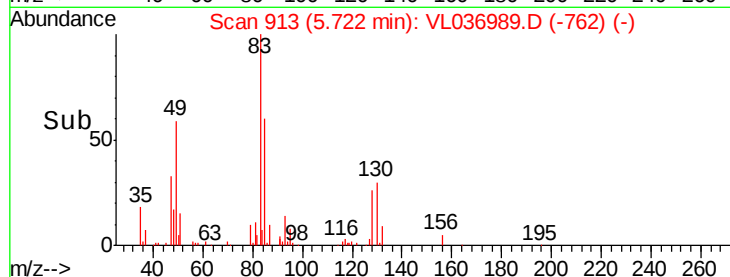
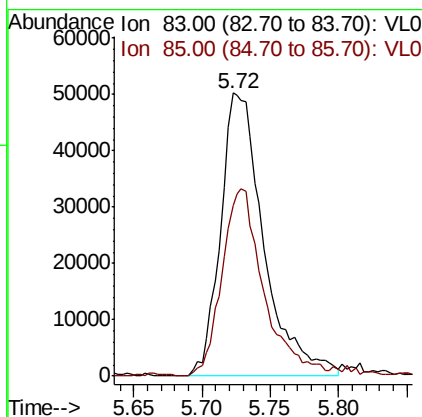
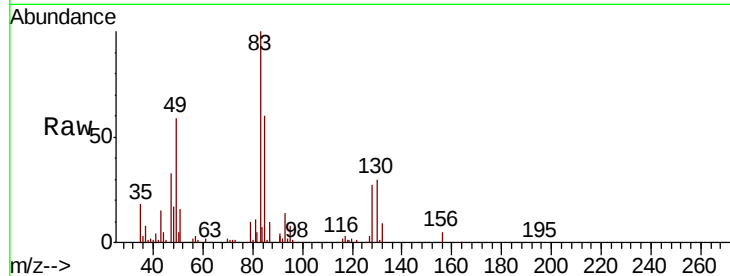
#29
Chloroform
Concen: 0.537 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	83	Resp	110757
Ion Ratio	100	Lower	Upper
85	60.4	51.1	76.7

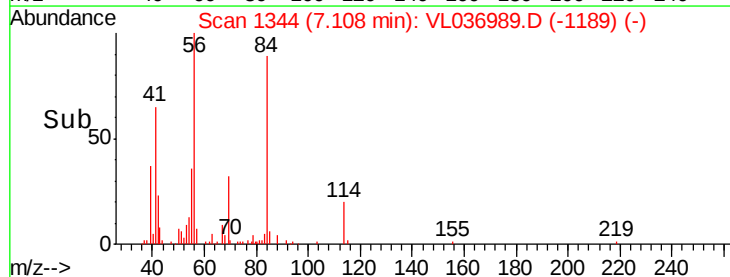
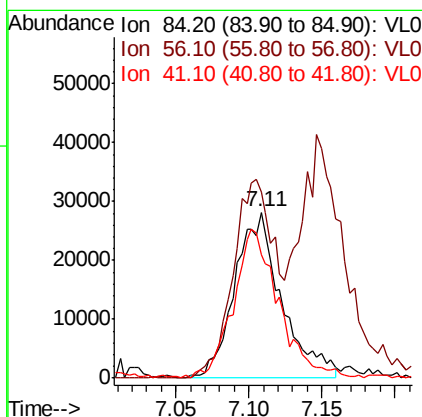
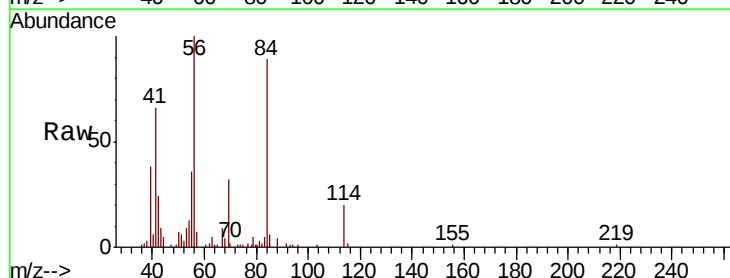
Manual Integrations
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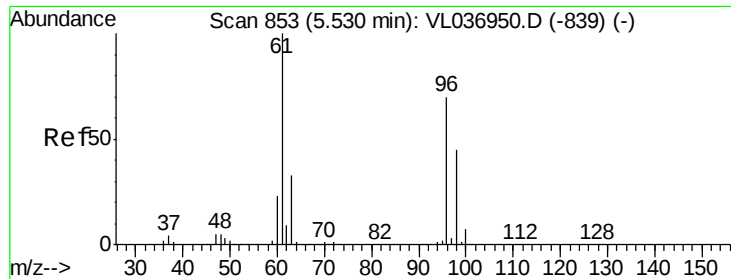
MMDadoda
5/24/2021 3:01:12 PM



#30
Cyclohexane
Concen: 0.507 ppbv m
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	84	Resp	62868
Ion Ratio	100	Lower	Upper
56	0.0	107.9	161.9#
41	87.8	65.5	98.3





#31

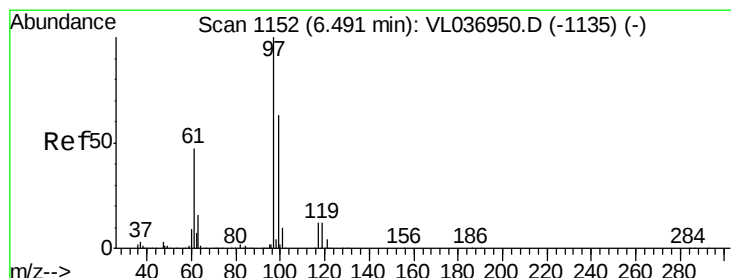
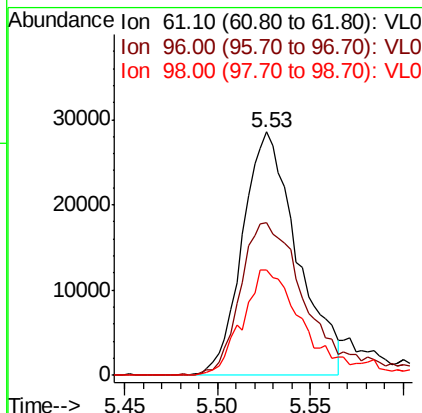
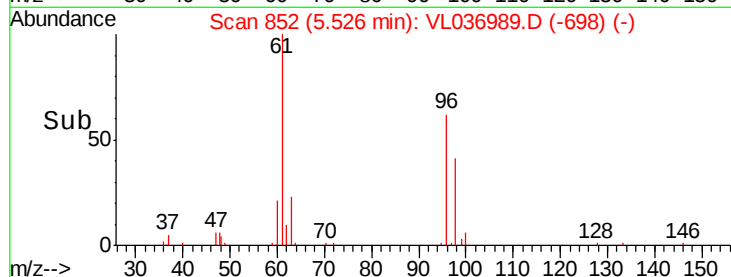
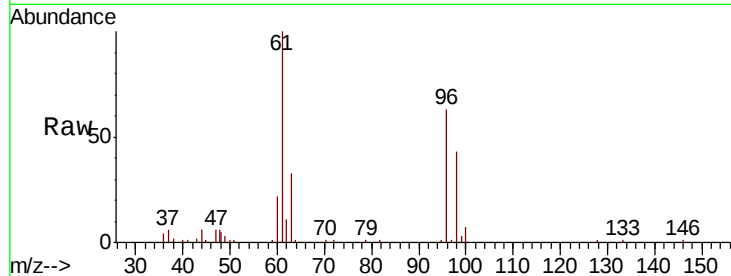
cis-1,2-Dichloroethene
 Concen: 0.448 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	61	Resp	58672
Ion	Ratio	Lower	Upper
61	100		
96	62.7	55.9	83.9
98	43.4	35.6	53.4

Manual Integrations
 APPROVED

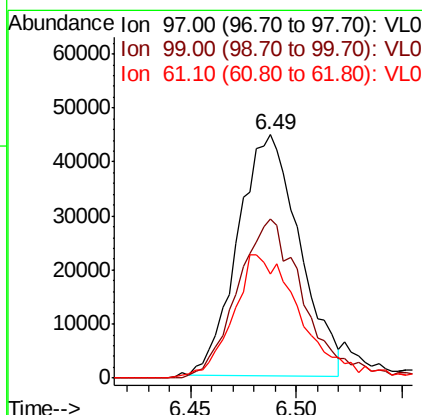
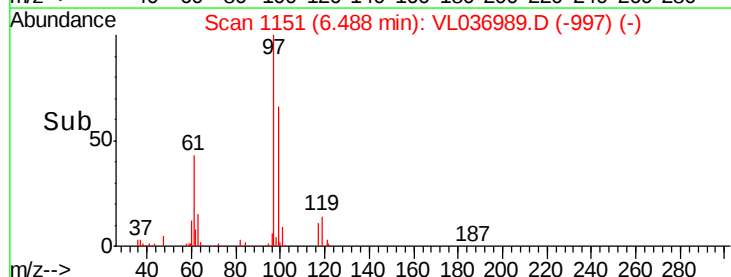
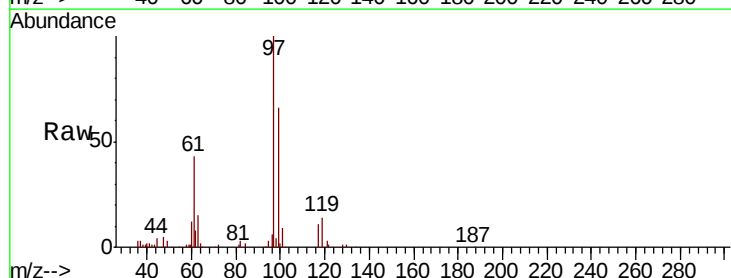
MMDadoda
 5/24/2021 3:01:12 PM

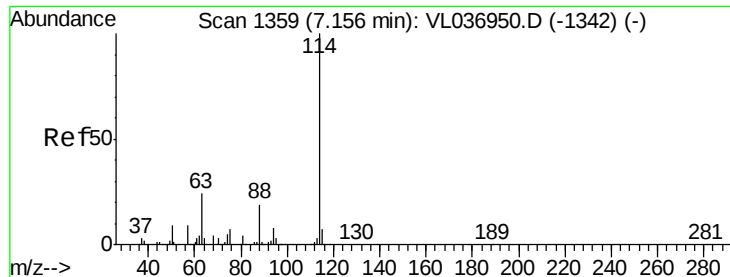


#32

1,1,1-Trichloroethane
 Concen: 0.411 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	97	Resp	91007
Ion	Ratio	Lower	Upper
97	100		
99	72.2	51.9	77.9
61	57.9	37.6	56.4#





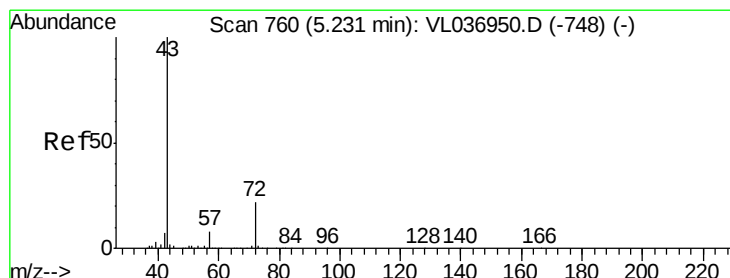
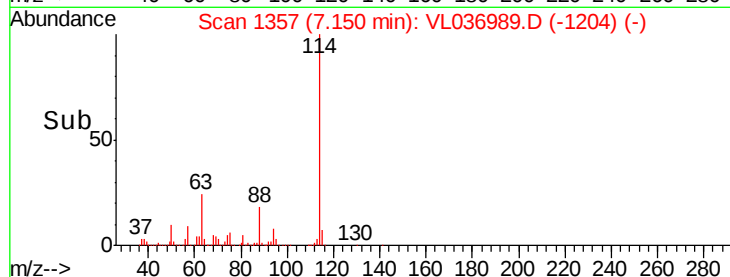
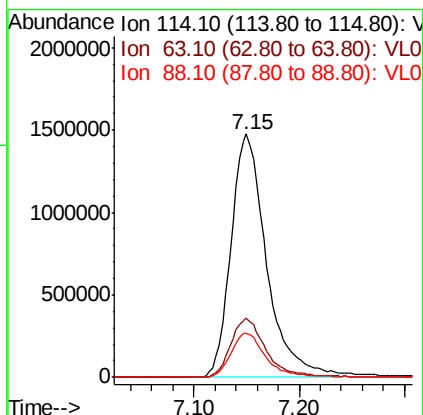
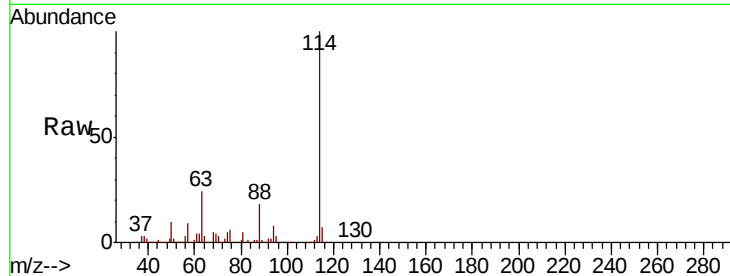
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.1	14.6	21.8

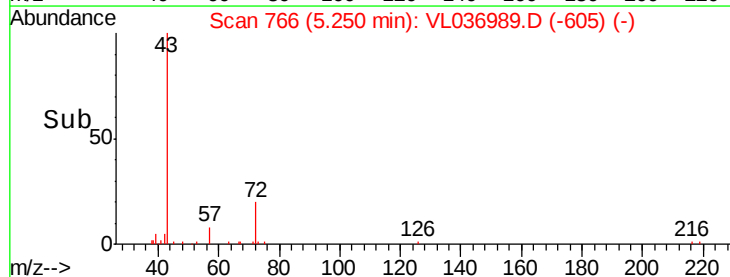
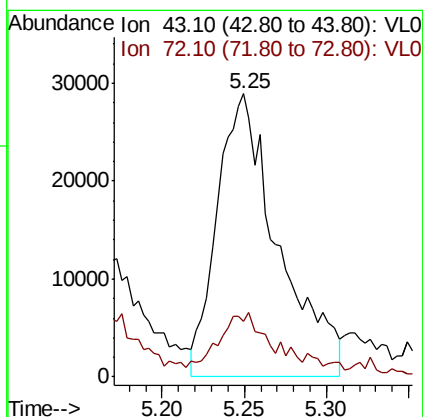
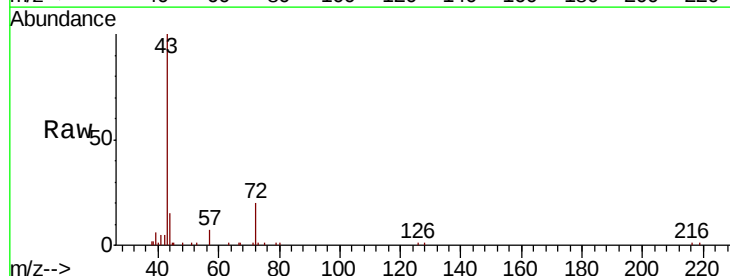
Manual Integrations
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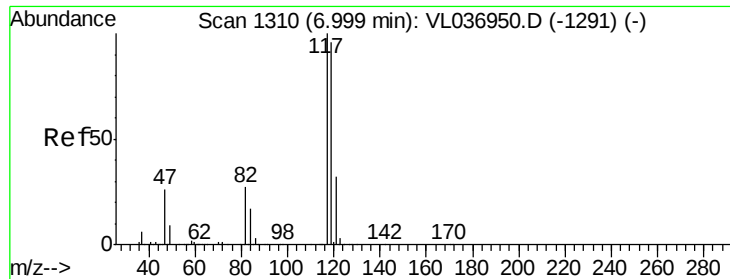
MMDadoda
 5/24/2021 3:01:12 PM



#34
 2-Butanone
 Concen: 0.595 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.7	19.0	28.4





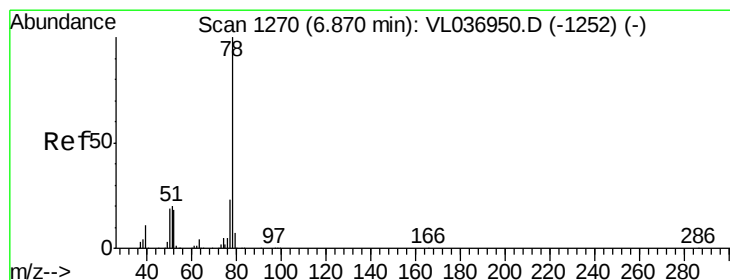
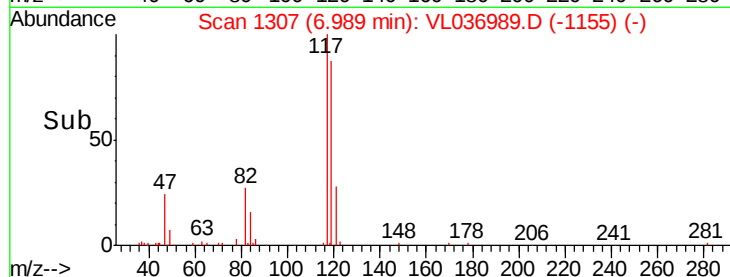
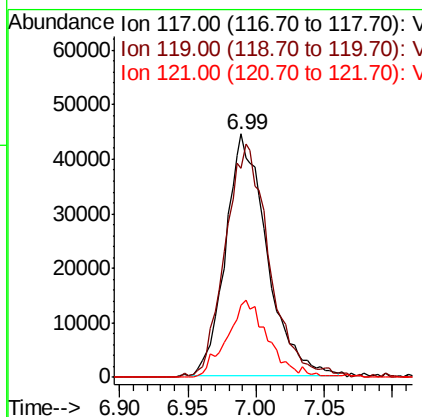
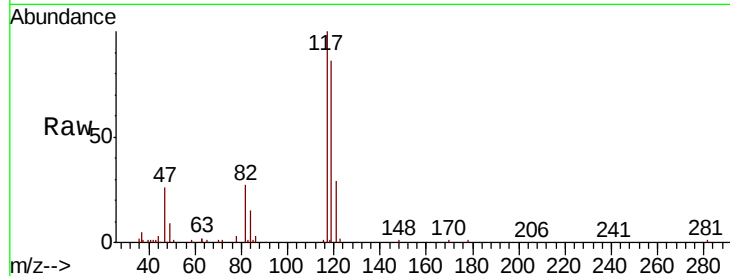
#35
Carbon Tetrachloride
Concen: 0.405 ppbv
RT: 6.99 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.6	114.8
121	29.7	25.8	38.6

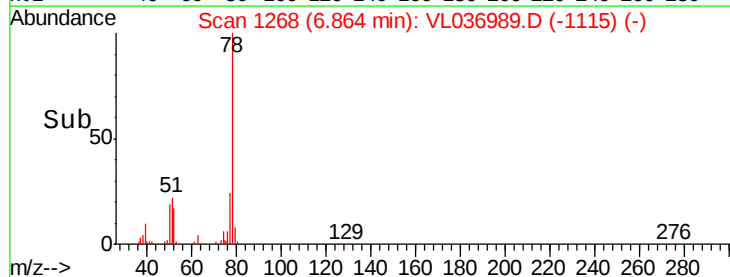
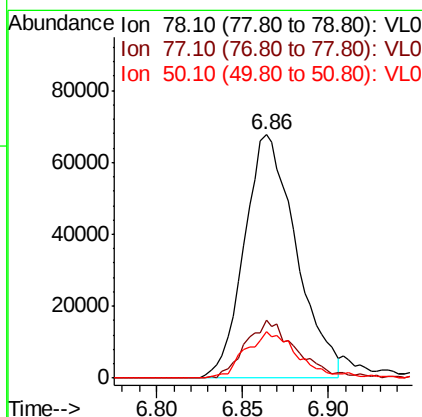
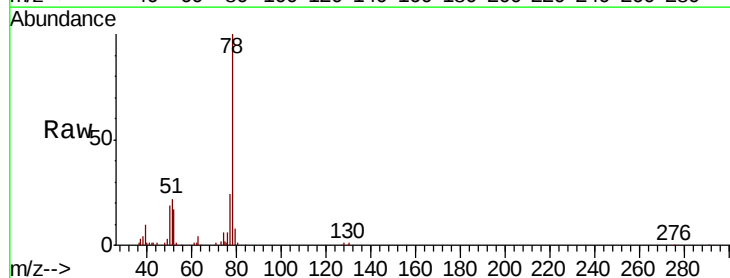
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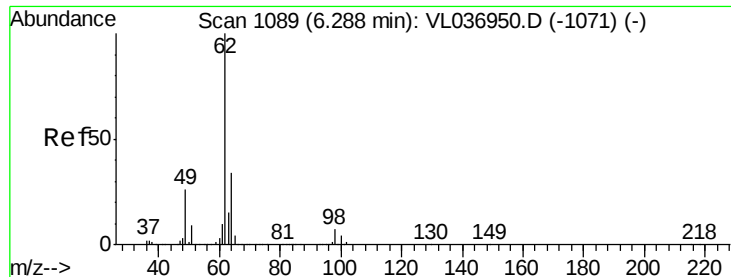
MMDadoda
5/24/2021 3:01:12 PM



#36
Benzene
Concen: 0.478 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0
50	19.0	15.0	22.4





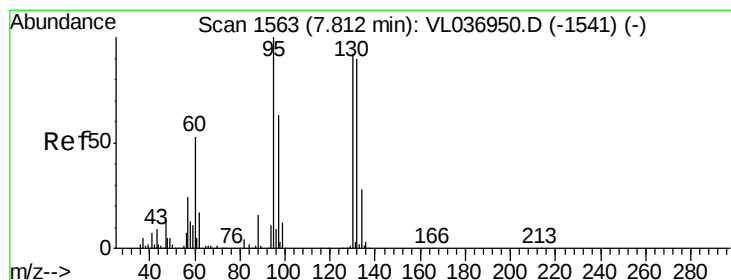
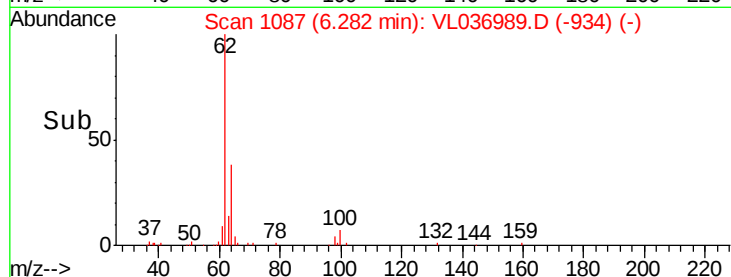
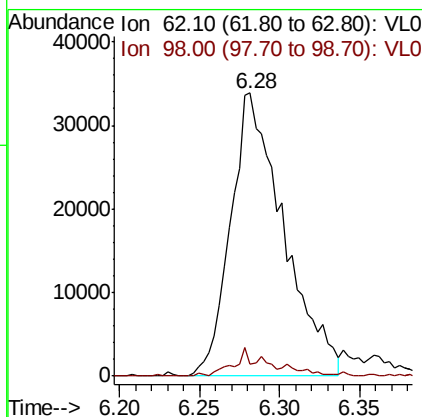
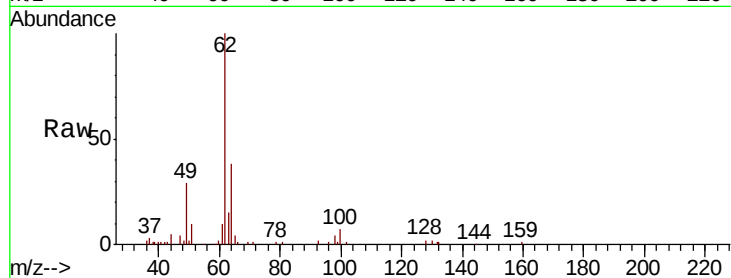
#37
 1,2-Dichloroethane
 Concen: 0.523 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
62	100	76922		
98	7.1		5.5	8.3

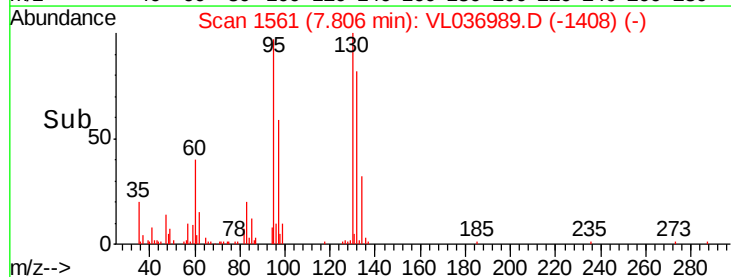
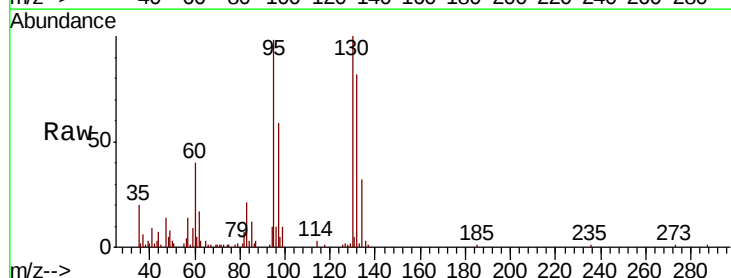
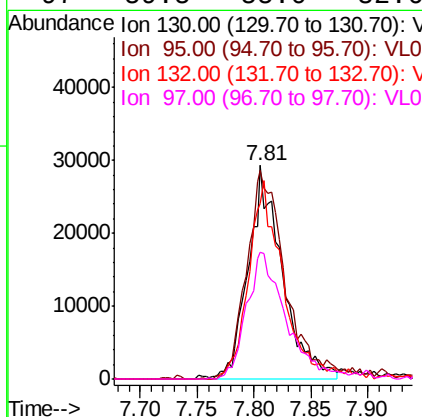
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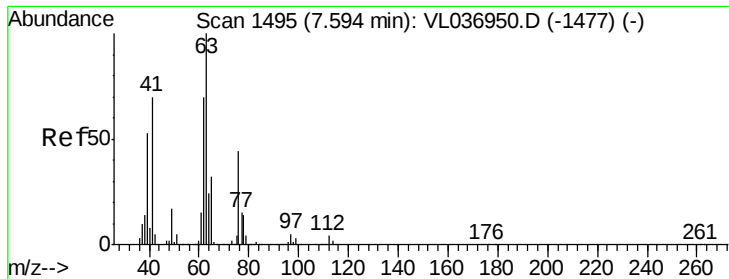
MMDadoda
 5/24/2021 3:01:12 PM



#38
 Trichloroethene
 Concen: 0.478 ppbv m
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	60722		
95	97.9		86.9	130.3
132	82.1		78.4	117.6
97	59.5		55.0	82.6





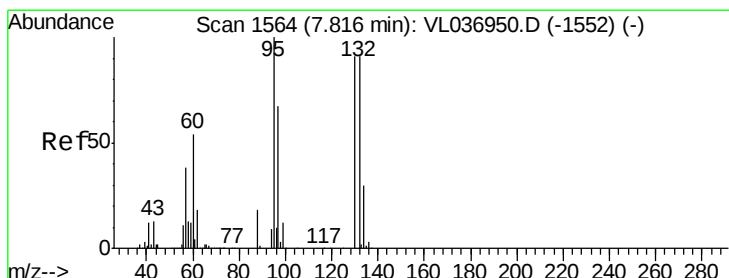
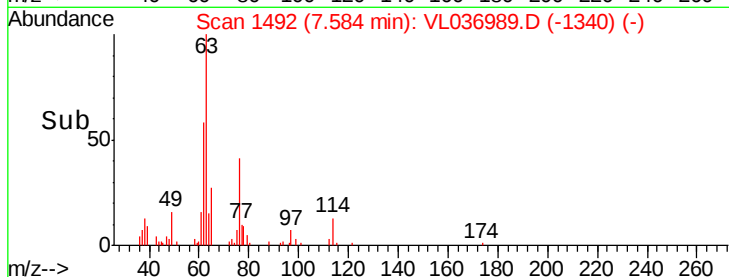
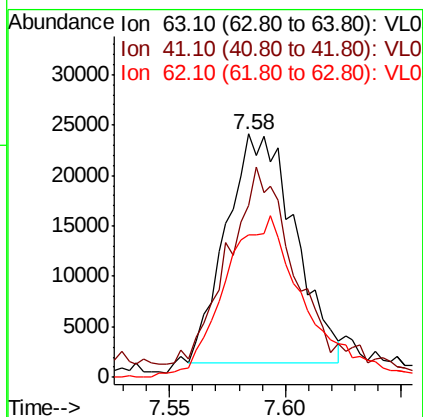
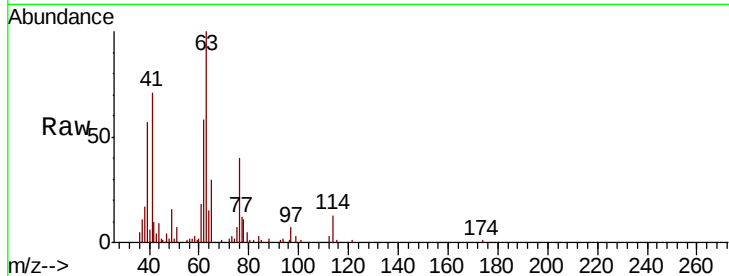
#39
 1,2-Dichloropropane
 Concen: 0.407 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion:	63	Resp:	46544
Ion	Ratio	Lower	Upper
63	100		
41	68.6	55.7	83.5
62	59.7	56.2	84.4

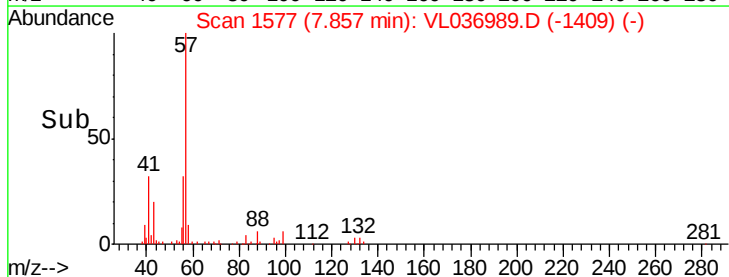
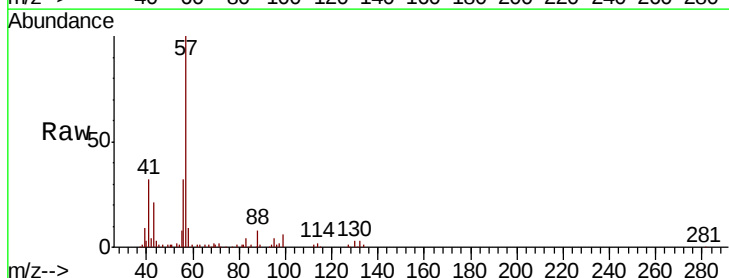
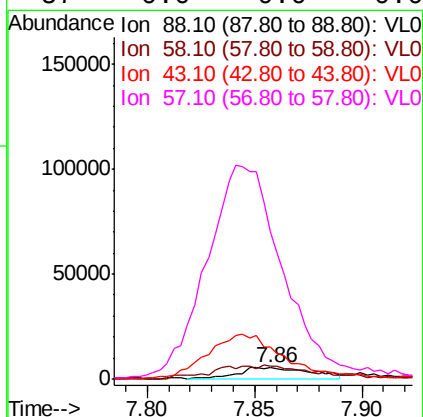
Manual Integrations
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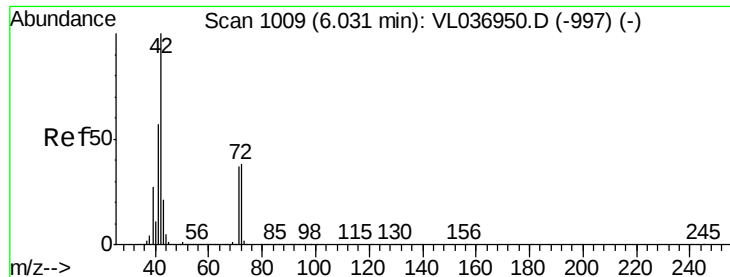
MMDadoda
 5/24/2021 3:01:12 PM



#40
 1,4-Dioxane
 Concen: 0.488 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.04 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion:	88	Resp:	13182
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





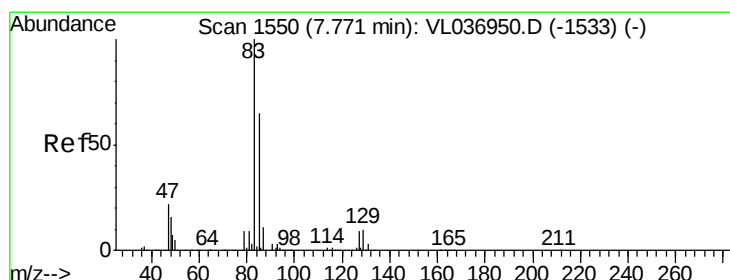
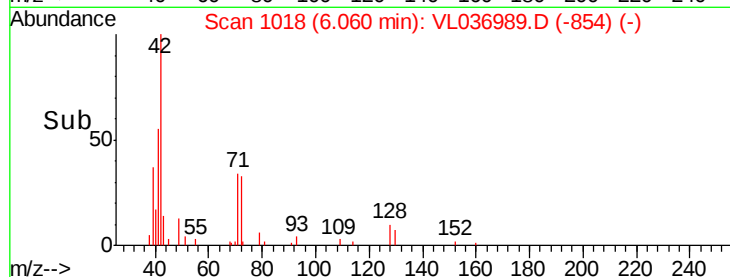
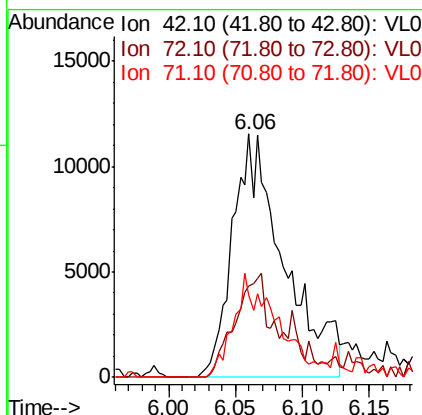
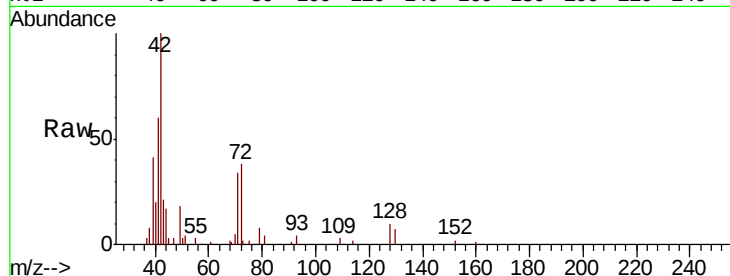
#41
Tetrahydrofuran
Concen: 0.432 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	35.7	30.4	45.6

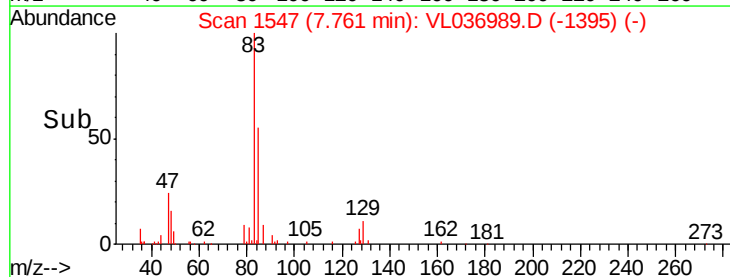
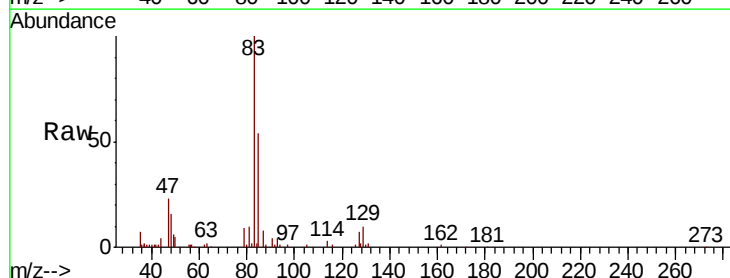
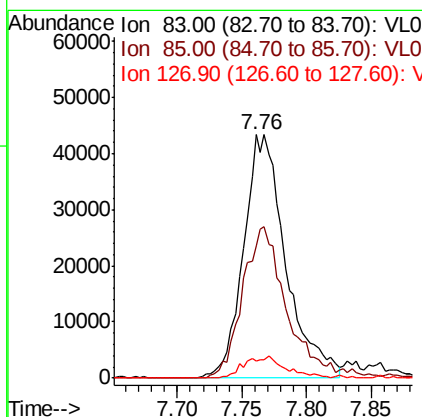
Manual Integrations
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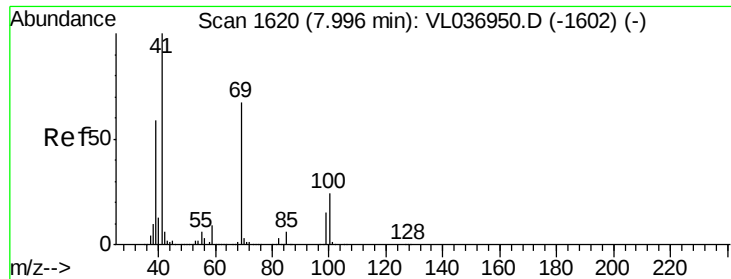
MMDadoda
5/24/2021 3:01:12 PM



#42
Bromodichloromethane
Concen: 0.443 ppbv m
RT: 7.76 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.1	51.7	77.5
127	7.0	6.9	10.3





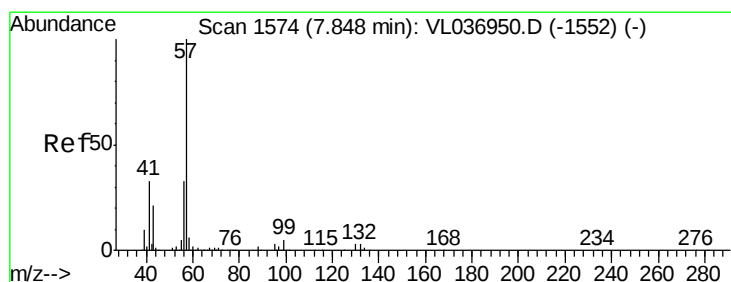
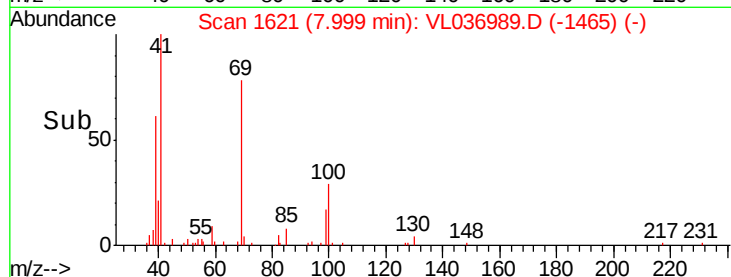
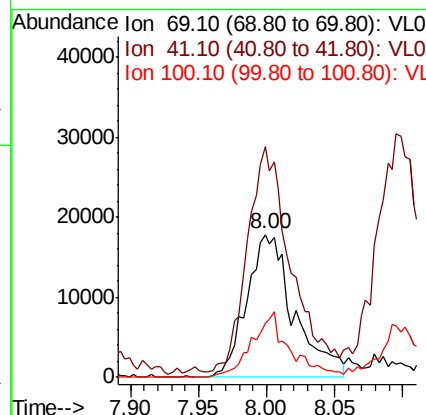
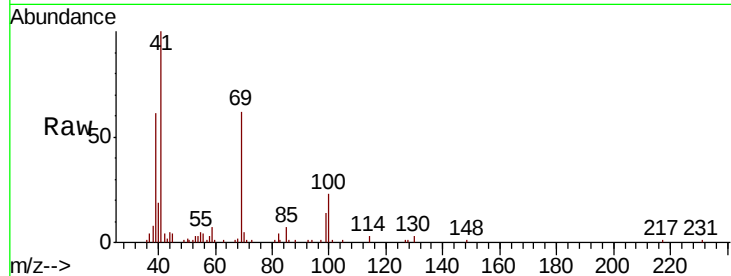
#43
Methvl Methacrylate
Concen: 0.421 ppbv m
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.5	118.6	178.0	
100	36.4	28.2	42.4	

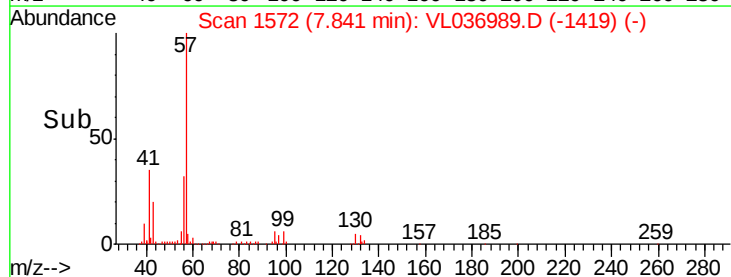
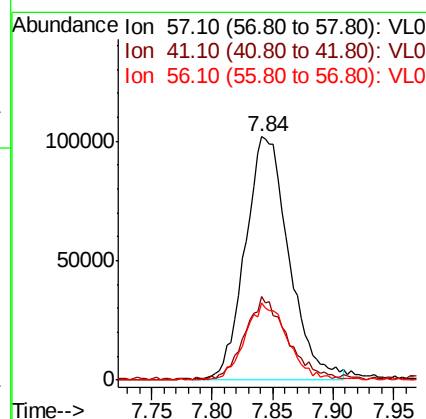
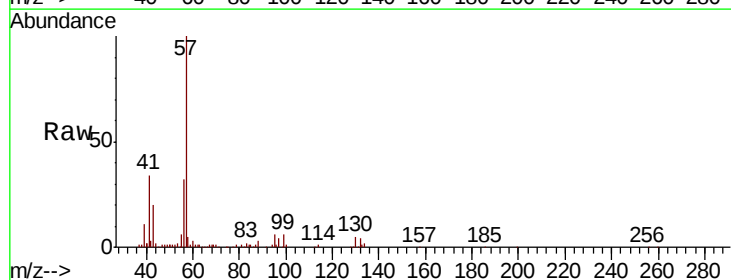
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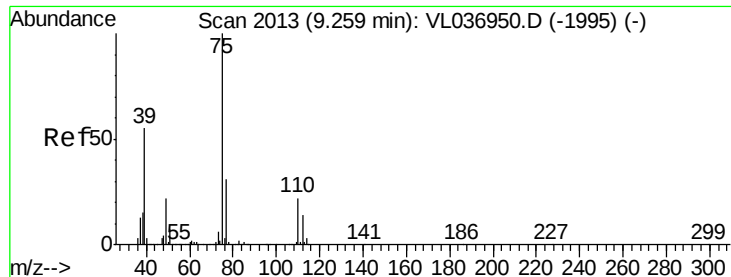
MMDadoda
5/24/2021 3:01:12 PM



#44
2,2,4-Trimethylpentane
Concen: 0.499 ppbv m
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	27.0	40.4	
56	31.6	25.4	38.2	





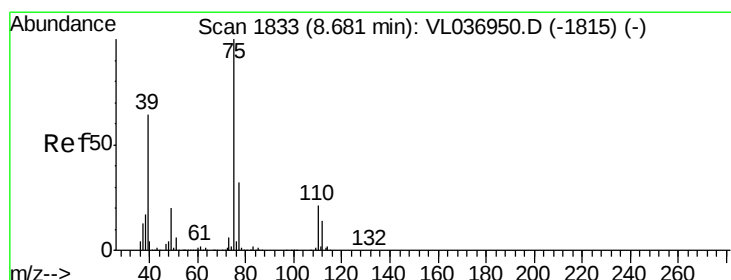
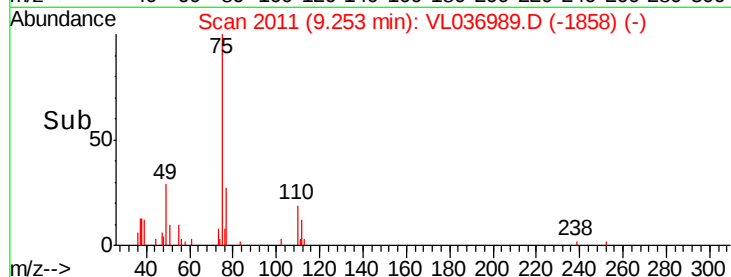
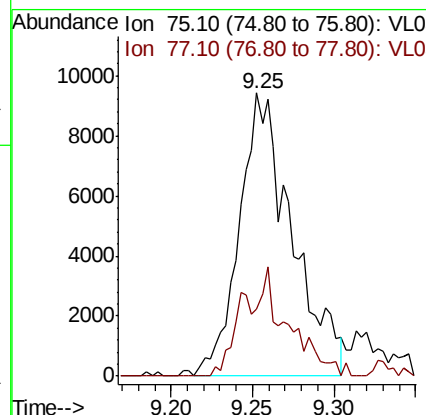
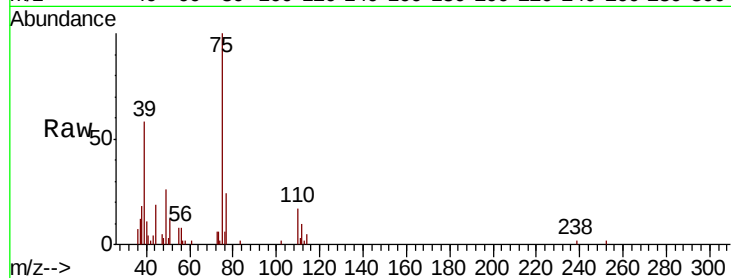
#45
 t-1,3-Dichloropropene
 Concen: 0.270 ppbv m
 RT: 9.25 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion: 75 Resp: 21098
 Ion Ratio Lower Upper
 75 100
 77 23.8 24.4 36.6#

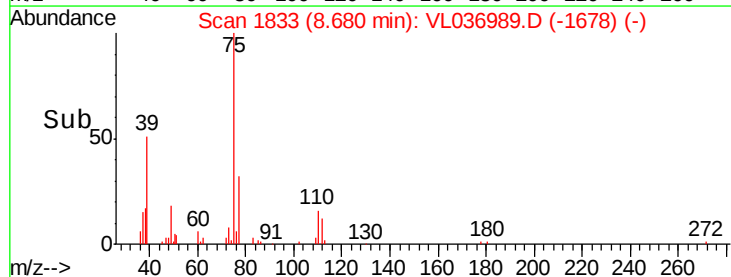
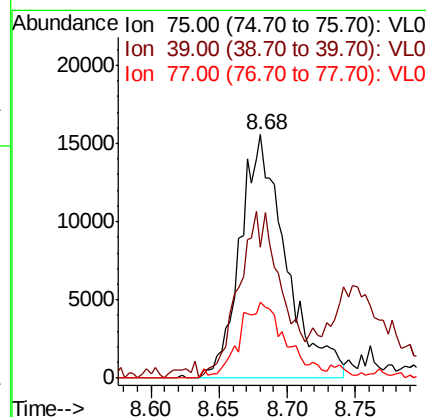
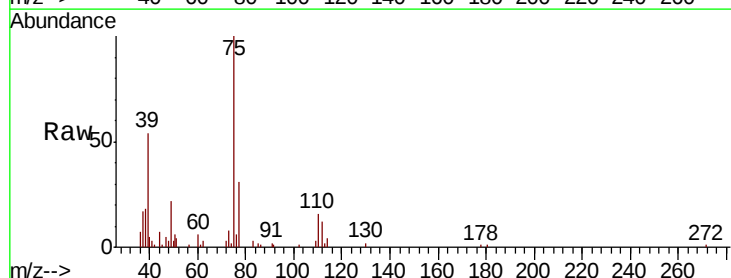
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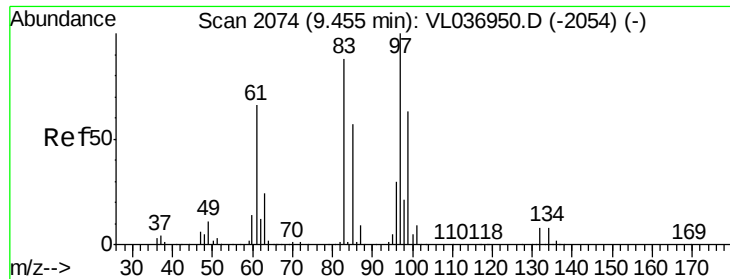
MMDadoda
 5/24/2021 3:01:12 PM



#46
 cis-1,3-Dichloropropene
 Concen: 0.346 ppbv m
 RT: 8.68 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion: 75 Resp: 36351
 Ion Ratio Lower Upper
 75 100
 39 53.6 51.5 77.3
 77 31.0 25.9 38.9





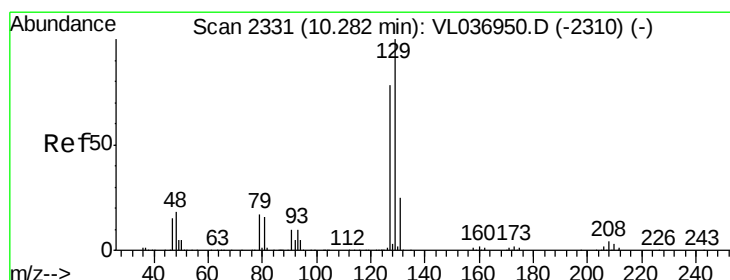
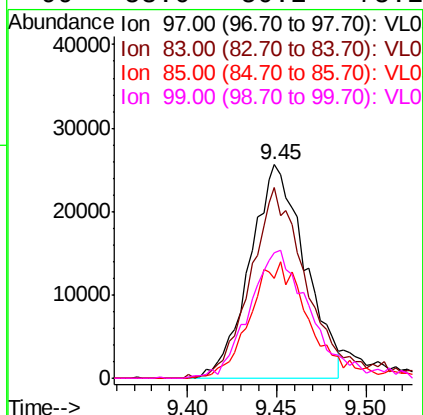
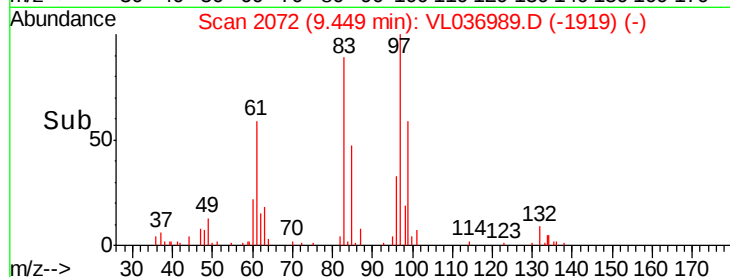
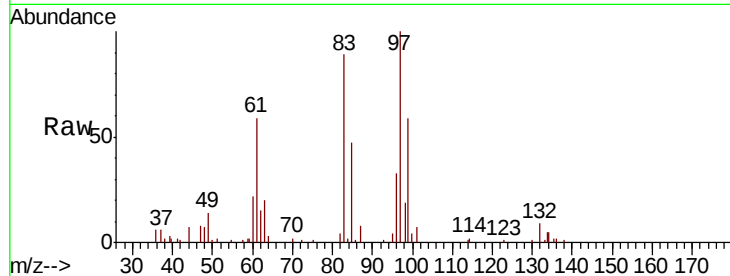
#47
 1,1,2-Trichloroethane
 Concen: 0.462 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		55266		
83	87.5	70.4	105.6		
85	46.6	45.5	68.3		
99	58.0	50.2	75.2		

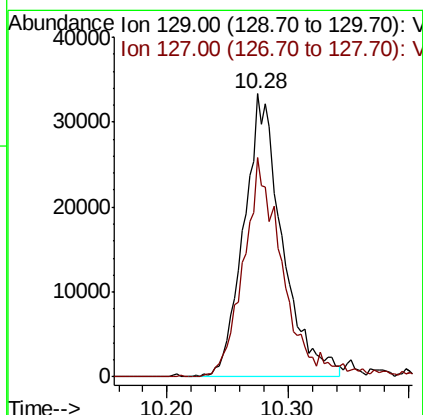
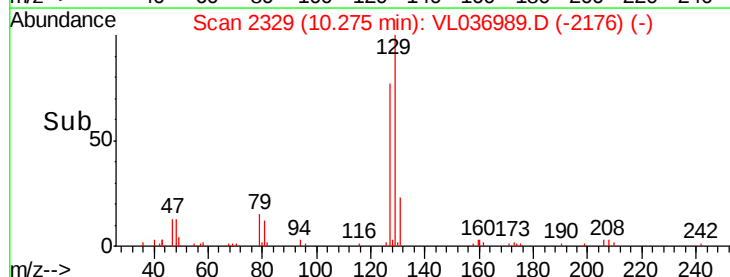
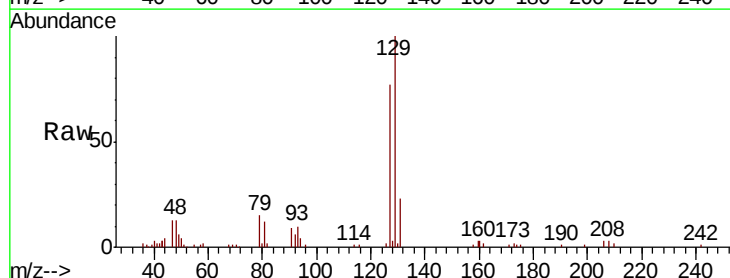
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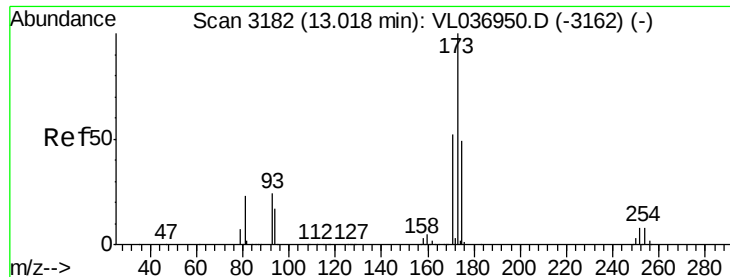
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.376 ppbv m
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		72841		
127	79.4	39.3	117.8		





#49

Bromoform

Concen: 0.342 ppbv m

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

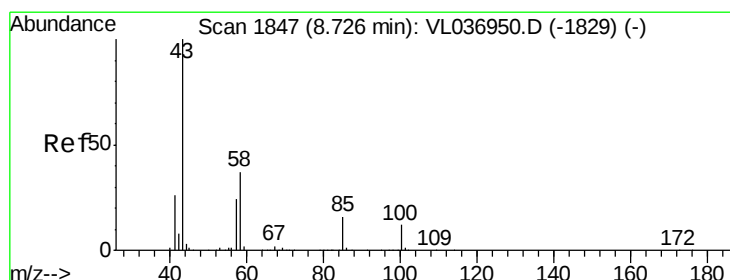
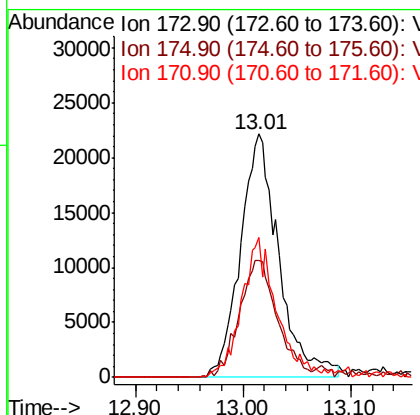
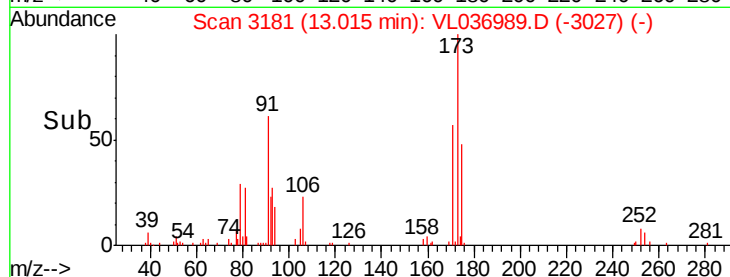
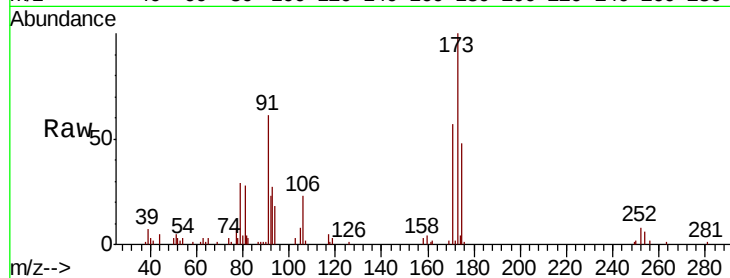
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	173	Resp:	54704
Ion	Ratio	Lower	Upper
173	100		
175	49.9	40.4	60.6
171	53.9	42.6	64.0

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#50

4-Methyl-2-Pentanone

Concen: 0.417 ppbv

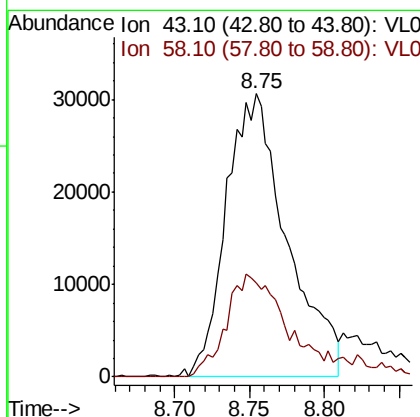
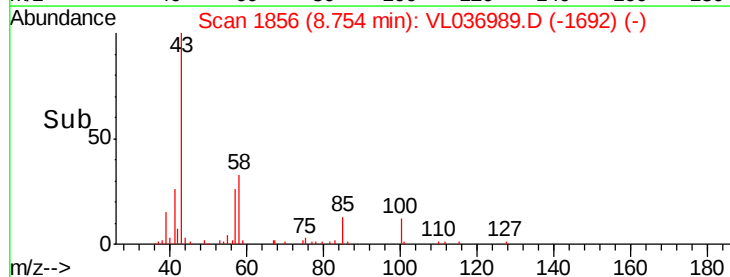
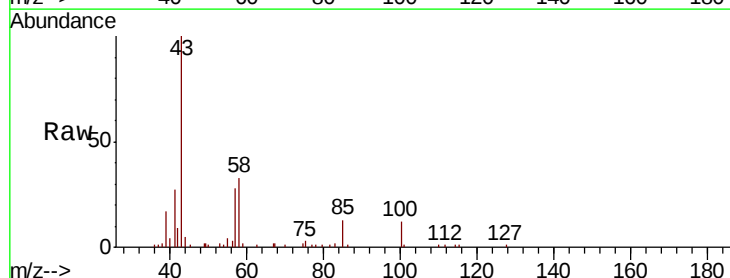
RT: 8.75 min Scan# 1856

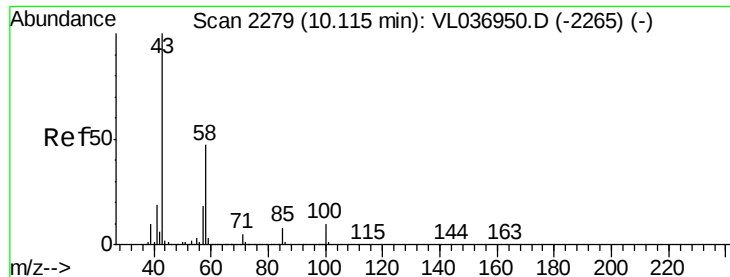
Delta R.T. 0.03 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion:	43	Resp:	86369
Ion	Ratio	Lower	Upper
43	100		
58	40.9	29.4	44.2





#51

2-Hexanone

Concen: 0.422 ppbv m

RT: 10.15 min Scan# 2291

Delta R.T. 0.04 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

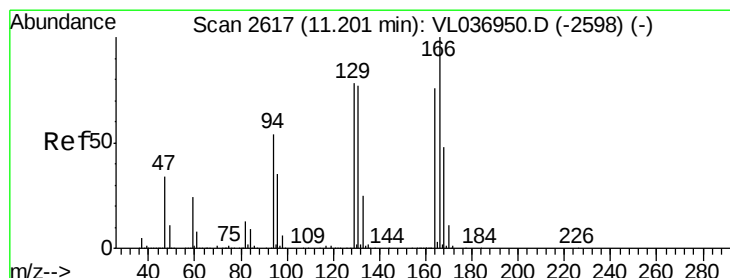
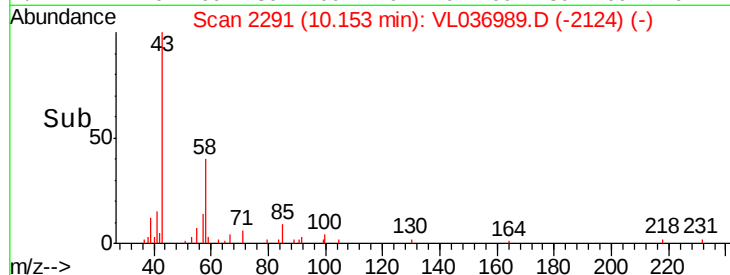
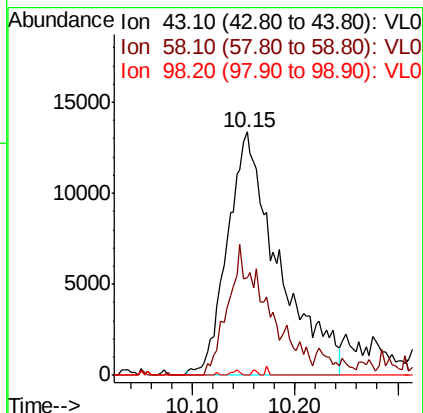
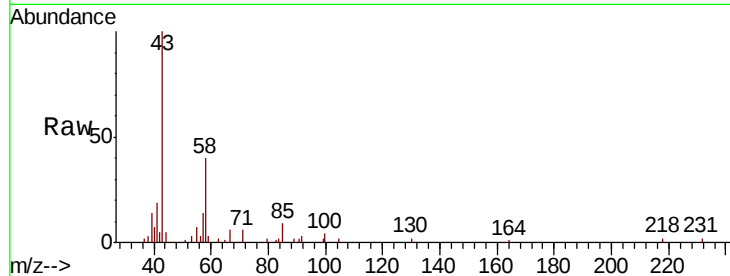
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	43	Resp:	46210
Ion Ratio	Lower	Upper	
43	100		
58	46.5	41.1	61.7
98	0.7	0.1	0.1#

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.514 ppbv

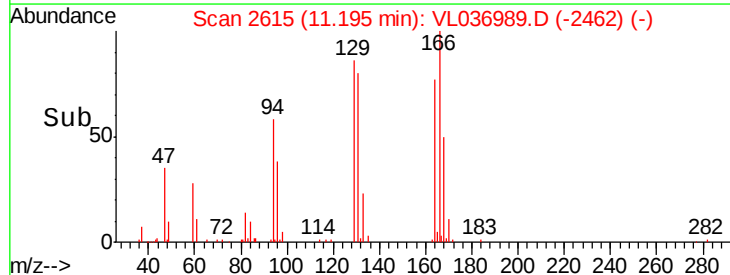
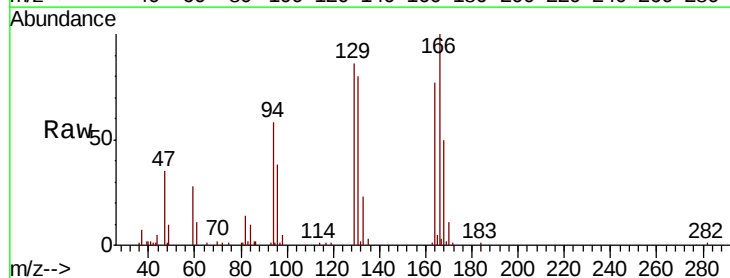
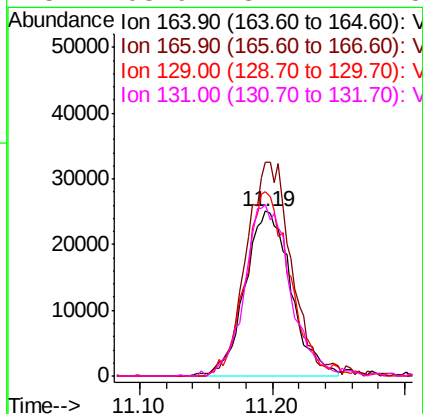
RT: 11.19 min Scan# 2615

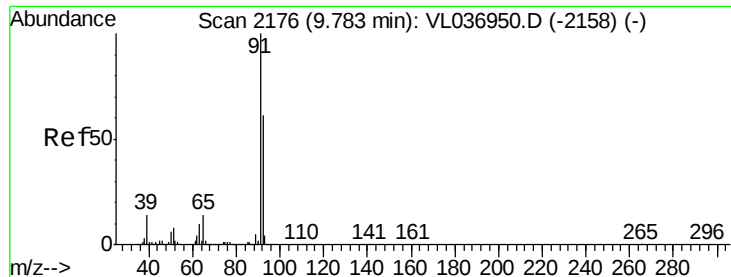
Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion:	164	Resp:	60636
Ion Ratio	Lower	Upper	
164	100		
166	129.4	105.5	158.3
129	111.4	81.8	122.8
131	103.9	81.2	121.8





#53

Toluene

Concen: 0.444 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 156656

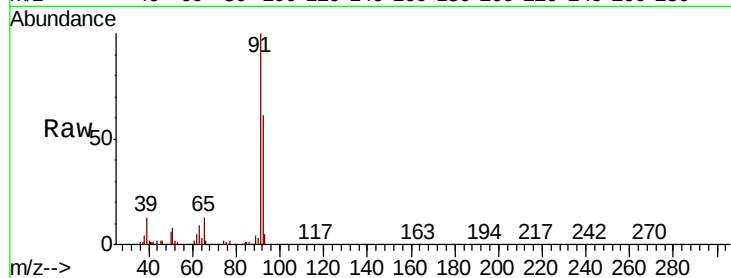
Ion Ratio Lower Upper

91 100

92 64.3 49.5 74.3

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

80000

60000

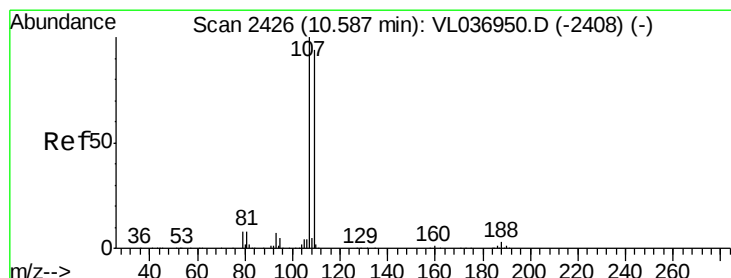
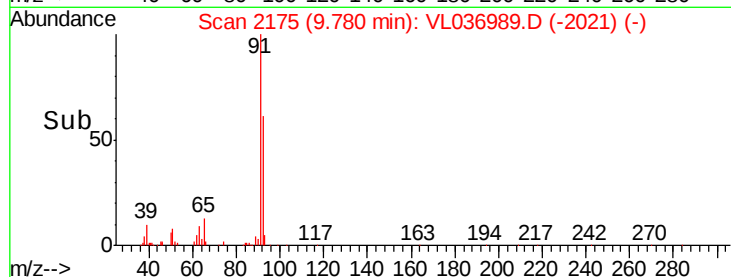
40000

20000

0

9.70 9.75 9.80 9.85

Time-->



#54

1,2-Dibromoethane

Concen: 0.452 ppbv m

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL036989.D

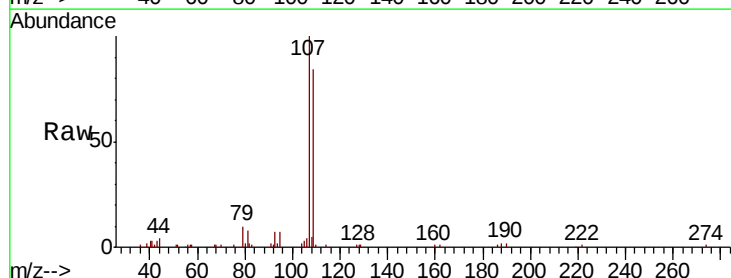
Acq: 19 May 2021 13:01

Tgt Ion:107 Resp: 76918

Ion Ratio Lower Upper

107 100

109 84.0 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

30000

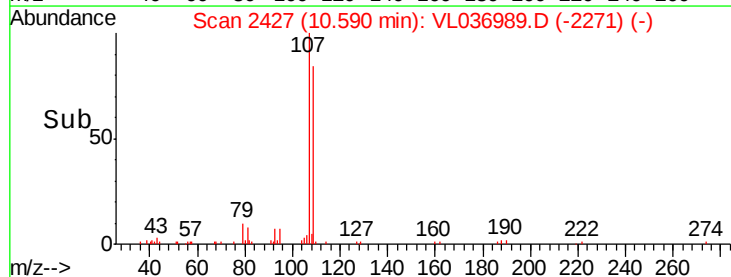
20000

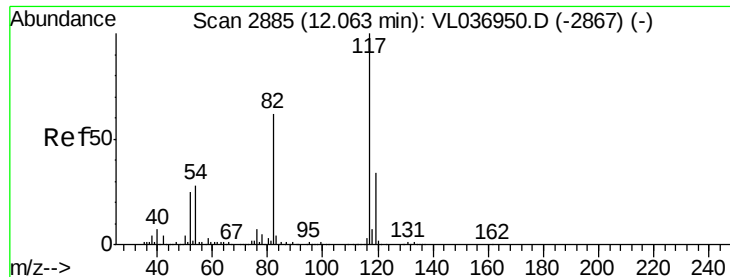
10000

0

10.50 10.55 10.60 10.65

Time-->





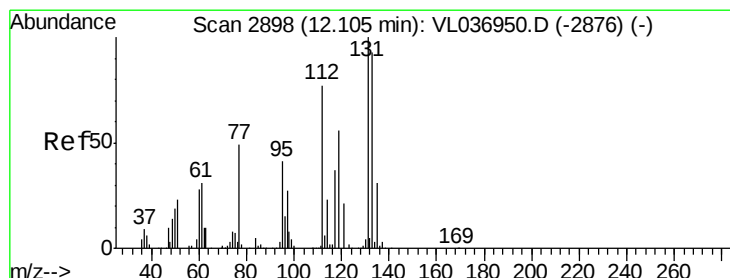
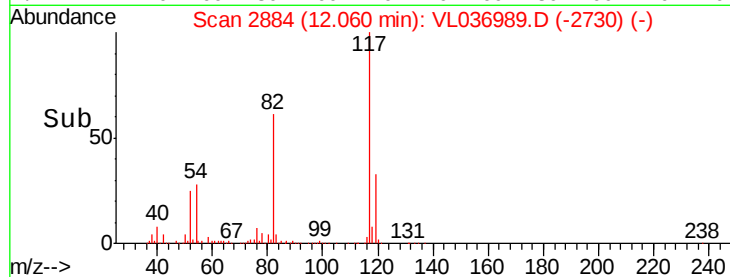
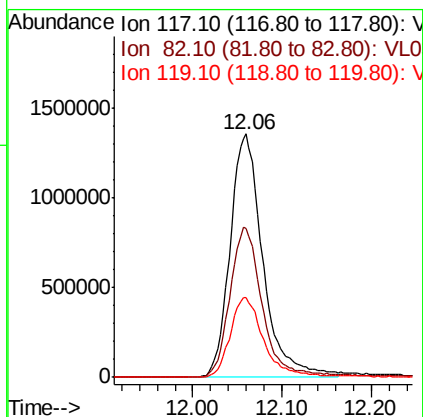
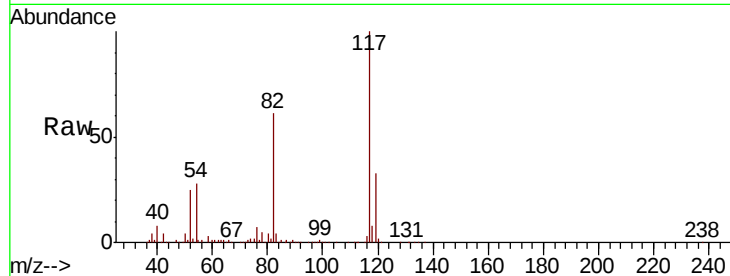
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion:117 Resp: 3459026
Ion Ratio Lower Upper
117 100
82 62.3 52.6 79.0
119 34.6 46.6 70.0#

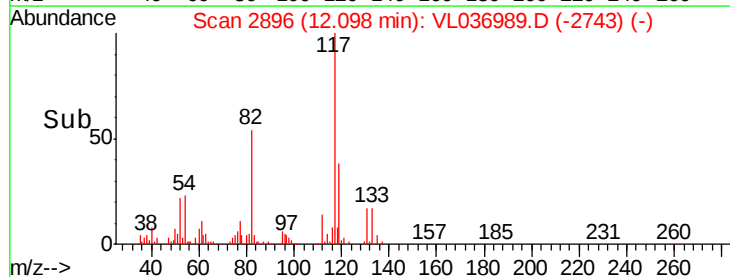
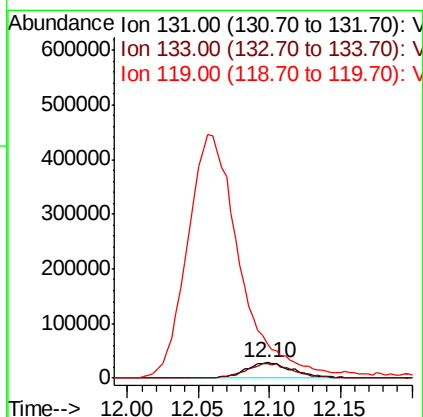
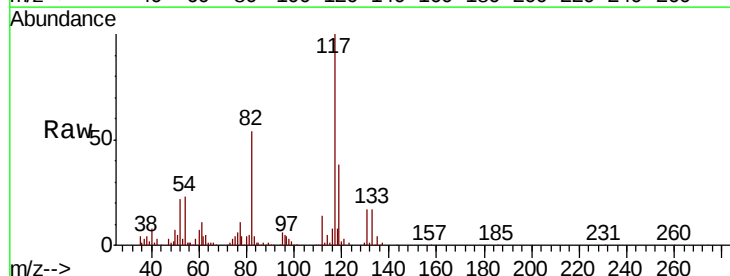
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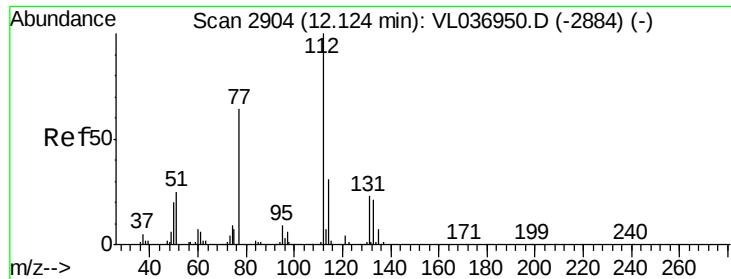
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.439 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion:131 Resp: 63922
Ion Ratio Lower Upper
131 100
133 0.0 76.9 115.3#
119 0.0 120.2 180.4#





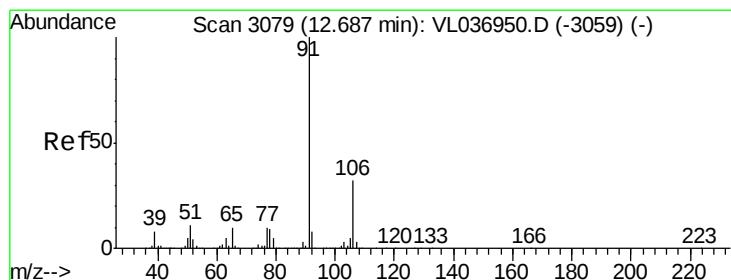
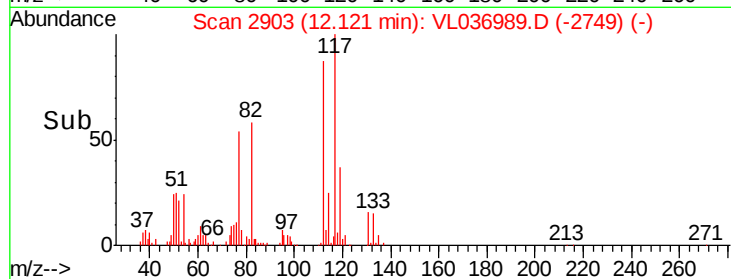
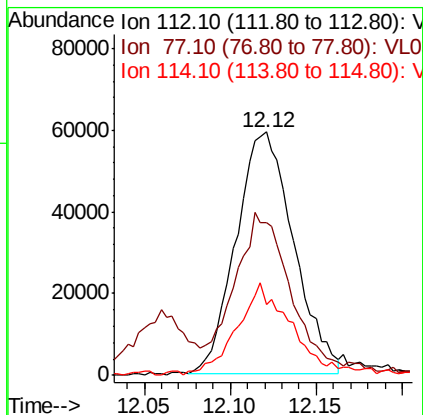
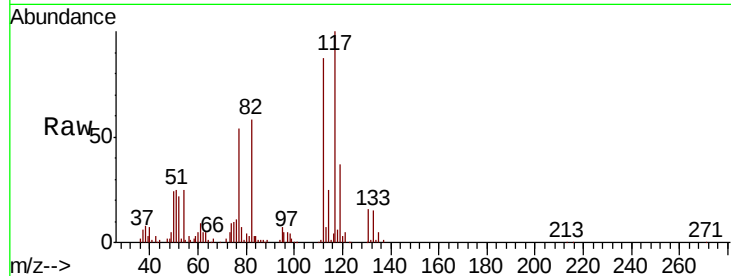
#57
Chlorobenzene
Concen: 0.510 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.8	51.0	76.6
114	27.5	28.3	34.5#

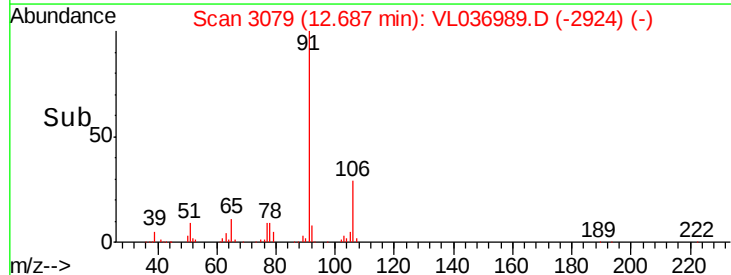
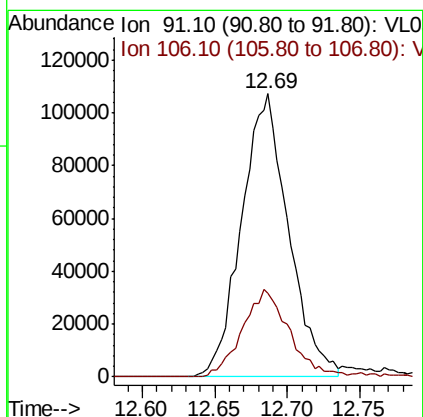
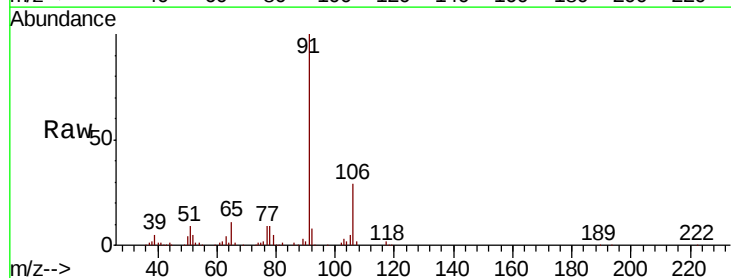
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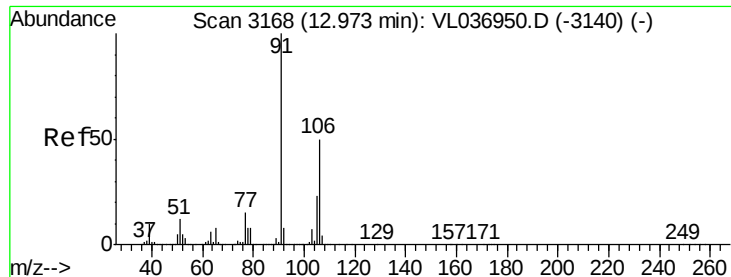
MMDadoda
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#58
Ethyl Benzene
Concen: 0.494 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	25.6	38.4





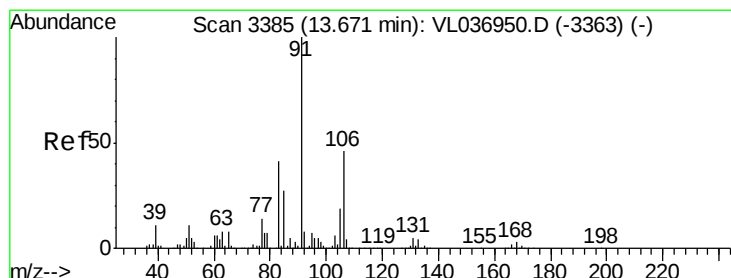
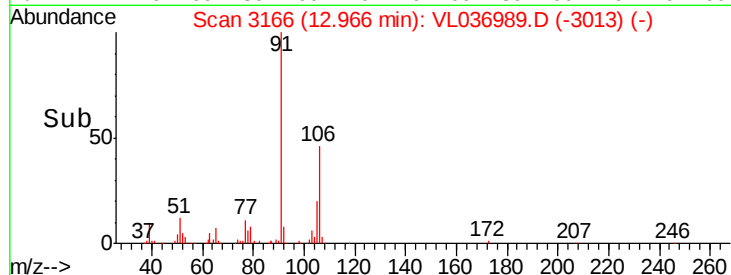
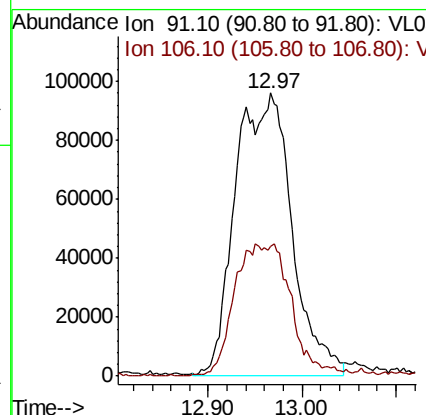
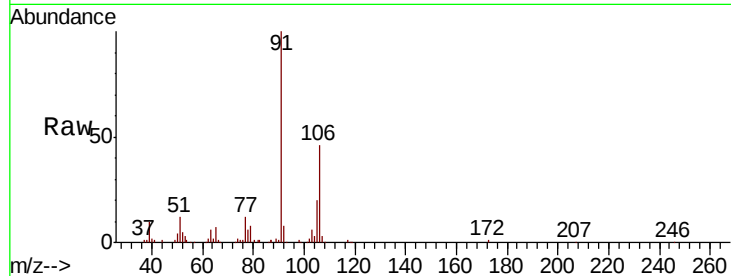
#59
m/p-Xylene
Concen: 0.996 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion: 91 Resp: 402117
Ion Ratio Lower Upper
91 100
106 47.7 37.4 56.2

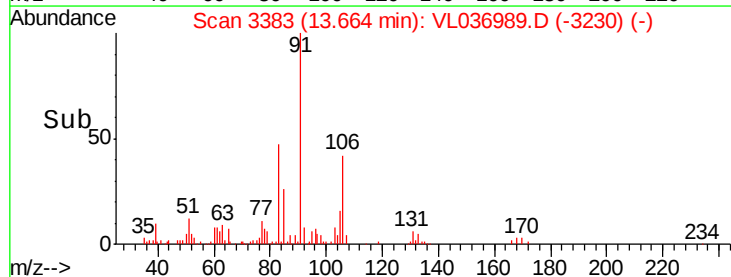
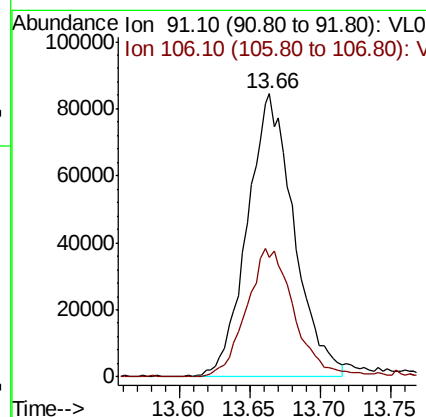
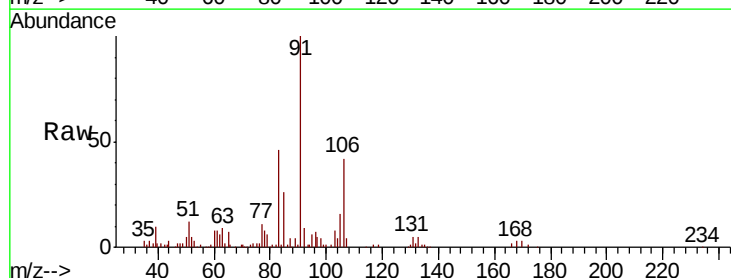
Manual Integrations
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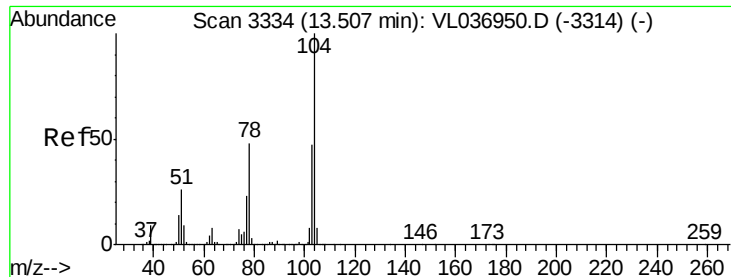
MMDadoda
5/24/2021 3:01:12 PM



#60
o-Xylene
Concen: 0.503 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion: 91 Resp: 193549
Ion Ratio Lower Upper
91 100
106 46.8 23.4 70.3





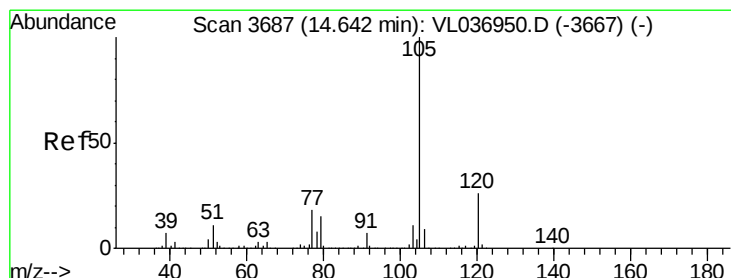
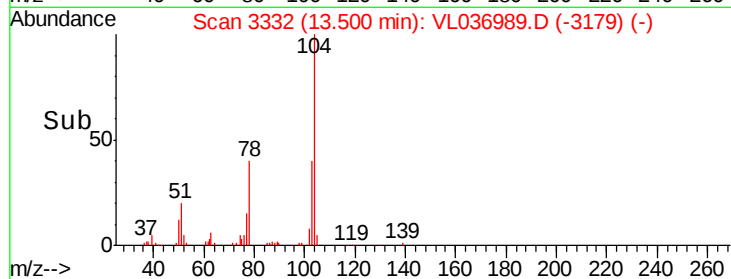
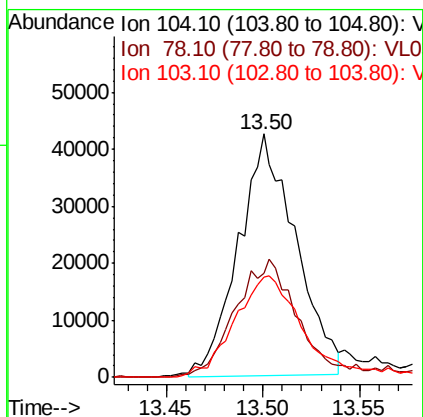
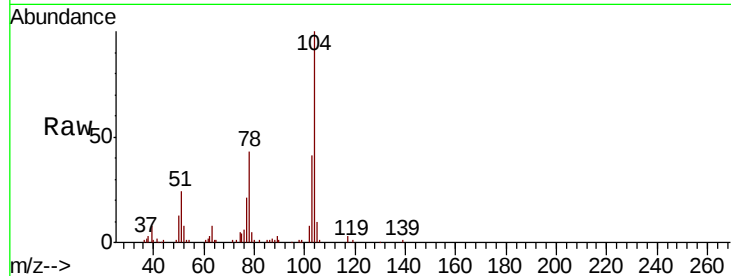
#61
Stvrene
Concen: 0.400 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	39.0	58.6
103	50.7	38.0	57.0

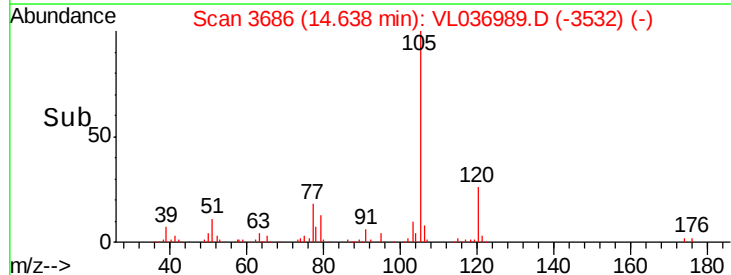
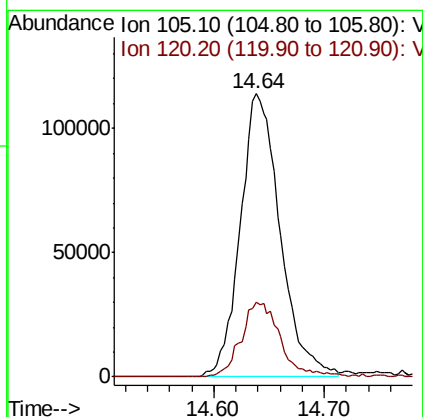
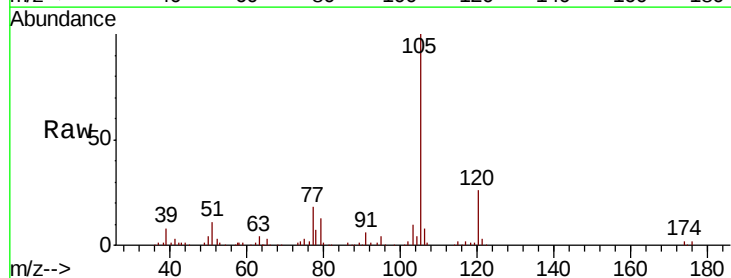
Manual Integrations
APPROVED

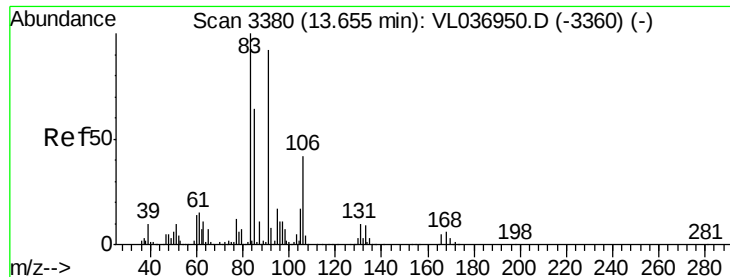
MMDadoda
5/24/2021 3:01:12 PM



#62
Isopropylbenzene
Concen: 0.514 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.459 ppbv m

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

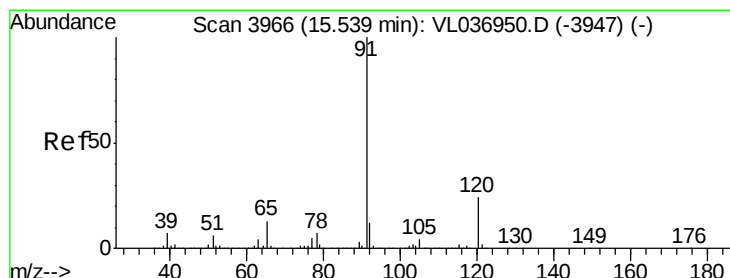
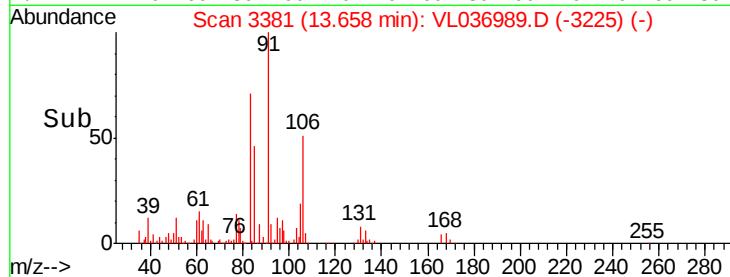
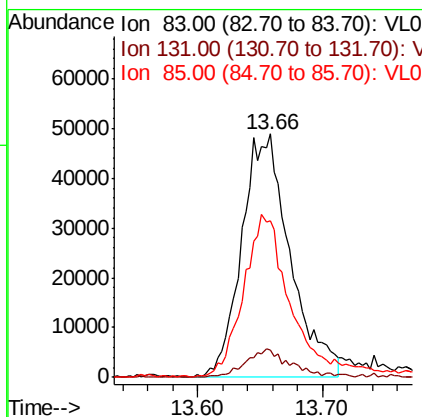
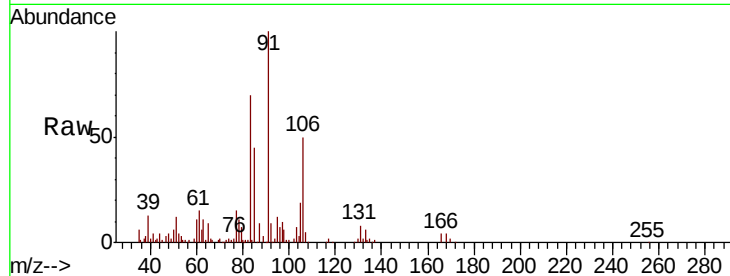
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion	83	131	85
Resp	131942	10.7	69.7
Lower	5.0	32.9	
Upper	15.0	98.6	

Manual Integrations
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5/24/2021 3:01:12 PM



#64

n-propylbenzene

Concen: 0.458 ppbv

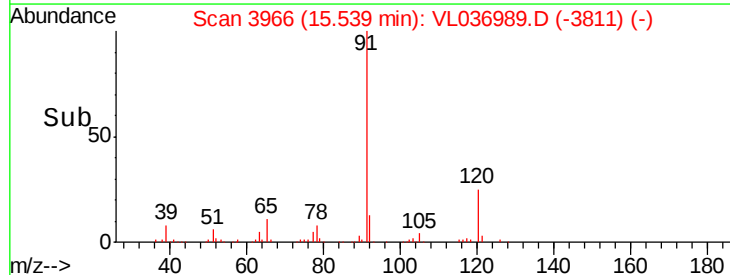
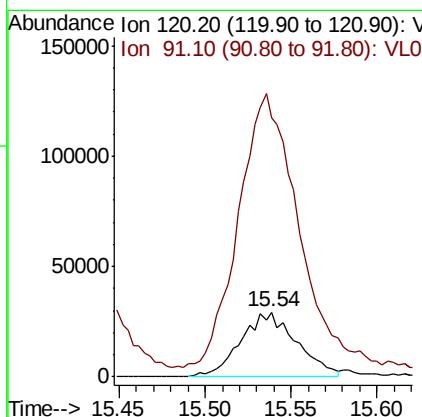
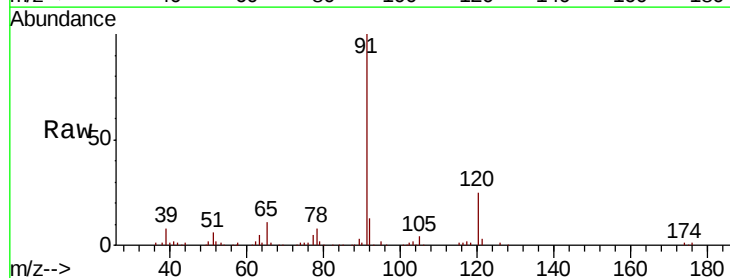
RT: 15.54 min Scan# 3966

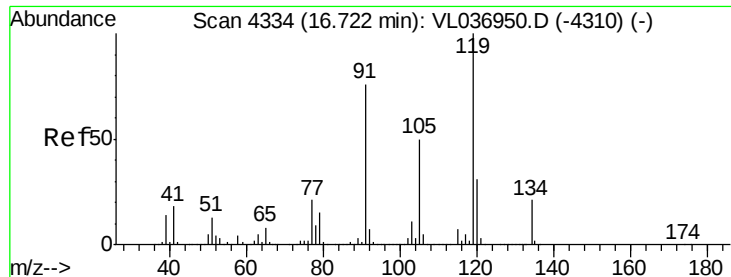
Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion	120	91
Resp	65384	517.4
Lower	343.8	
Upper	515.6#	





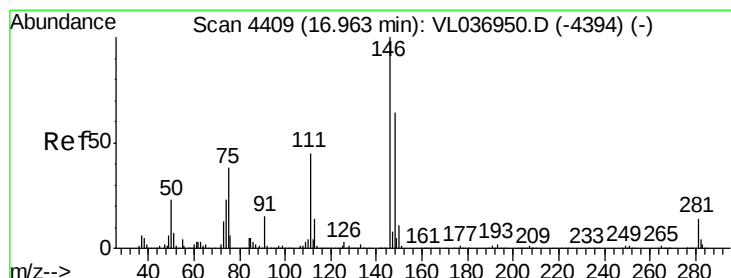
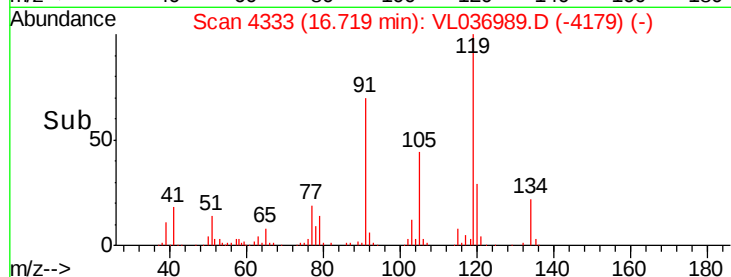
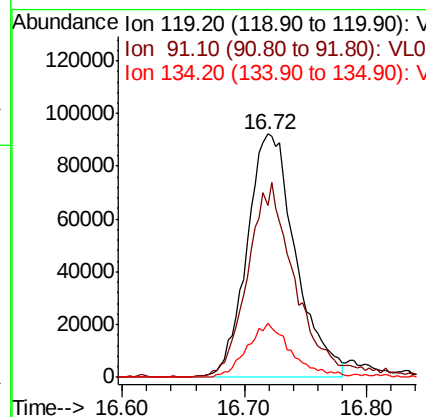
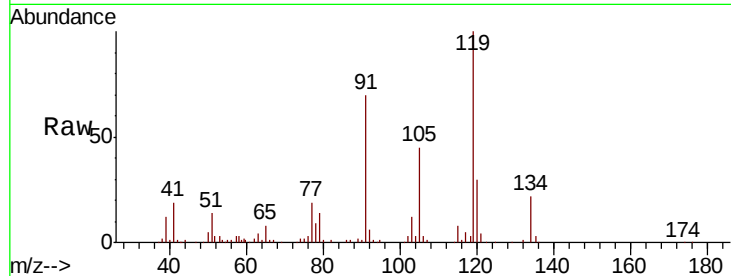
#65
tert-Butylbenzene
Concen: 0.509 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254265		
91	80.0	61.9	92.9	
134	20.3	16.2	24.4	

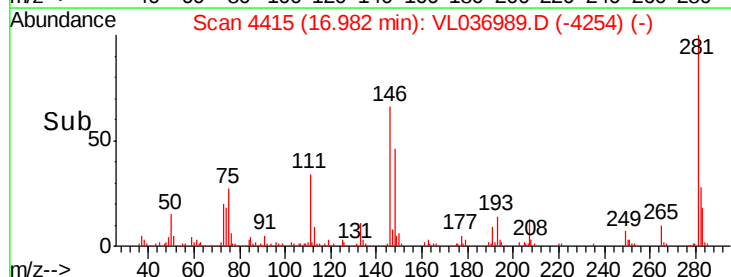
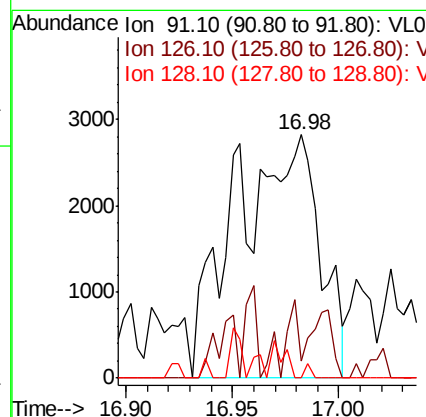
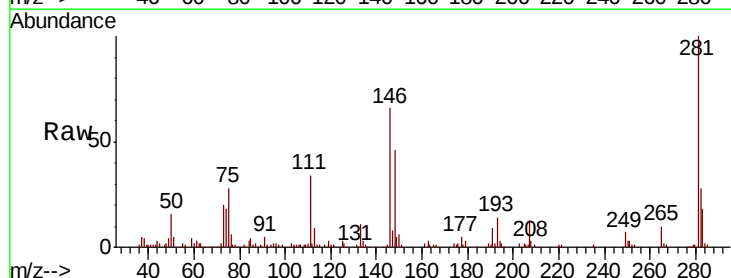
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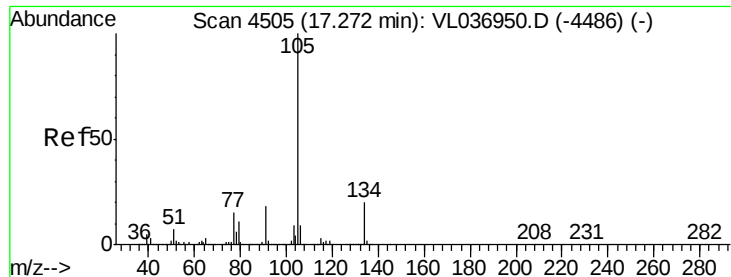
MMDadoda
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#66
Benzyl Chloride
Concen: 0.280 ppbv m
RT: 16.98 min Scan# 4415
Delta R.T. 0.02 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	7765		
126	1.2	16.5	24.7#	
128	3.4	5.5	8.3#	





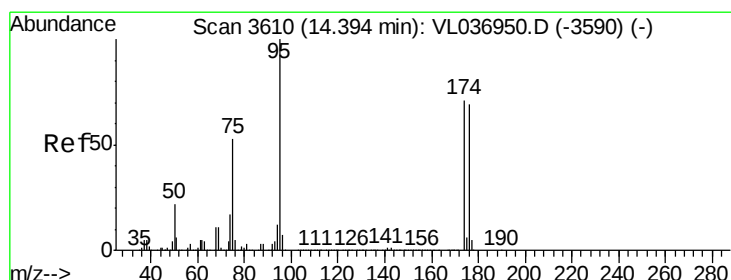
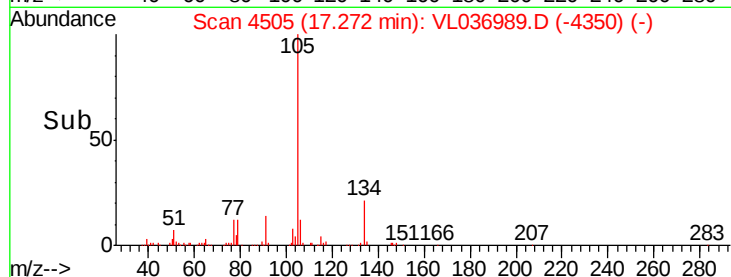
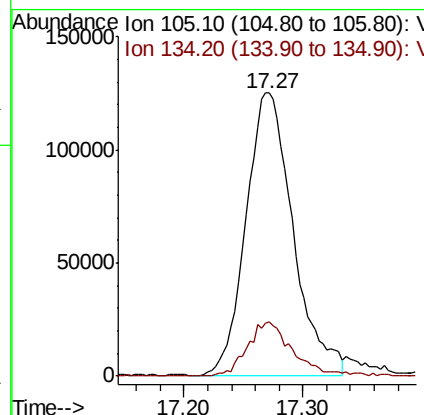
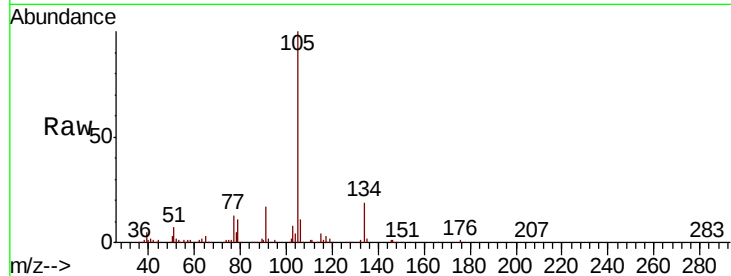
#67
 sec-Butylbenzene
 Concen: 0.504 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	343028		
134	134	18.7	15.6	23.4	

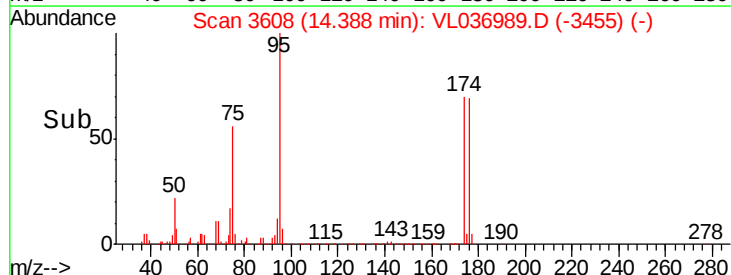
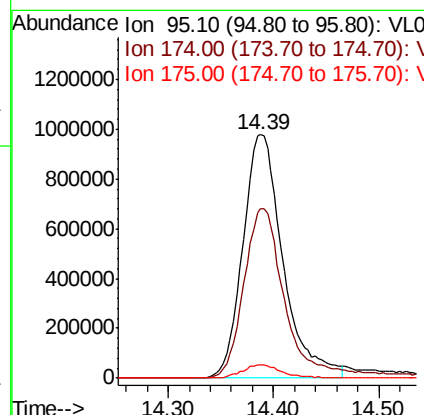
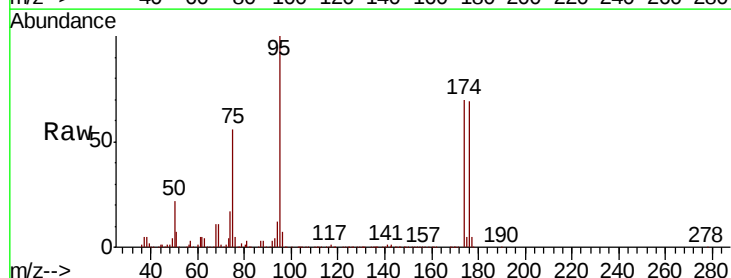
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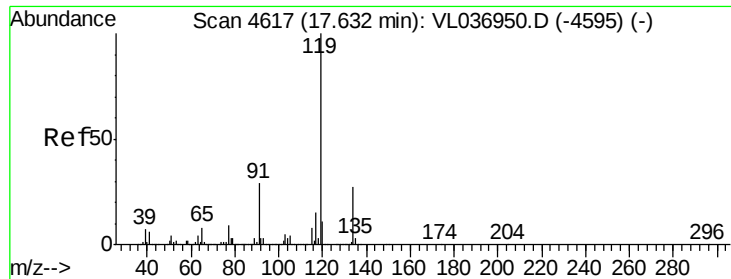
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.964 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	2589272		
174	174	74.6	58.4	87.6	
175	175	5.5	4.4	6.6	





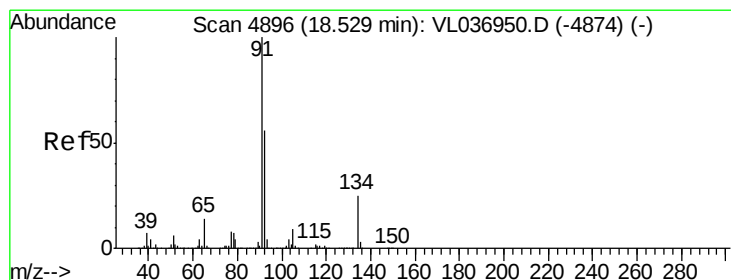
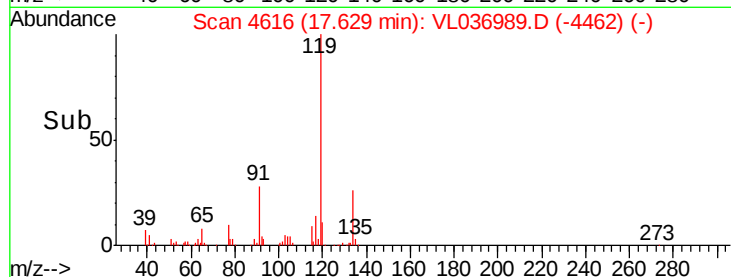
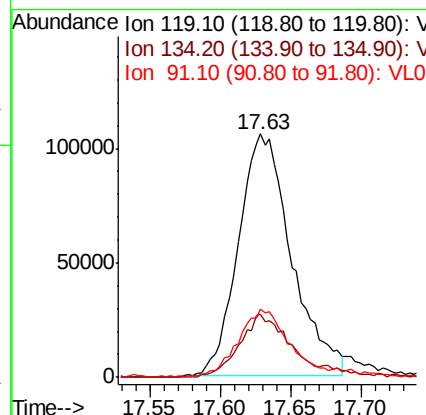
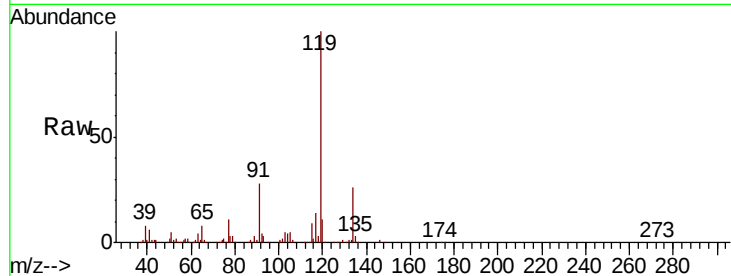
#69
 p-Isopropyltoluene
 Concen: 0.476 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.2	31.8
91	29.6	22.2	33.4

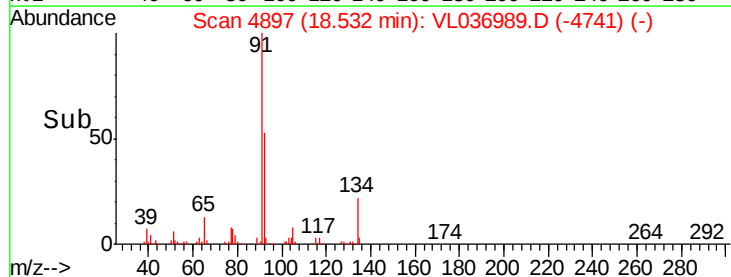
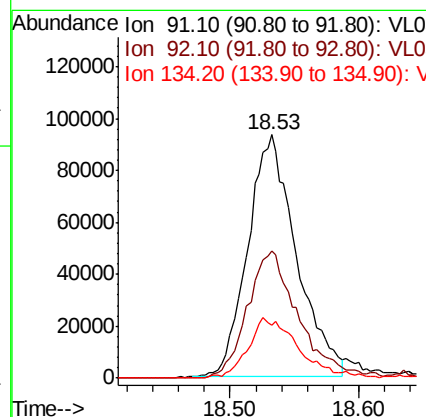
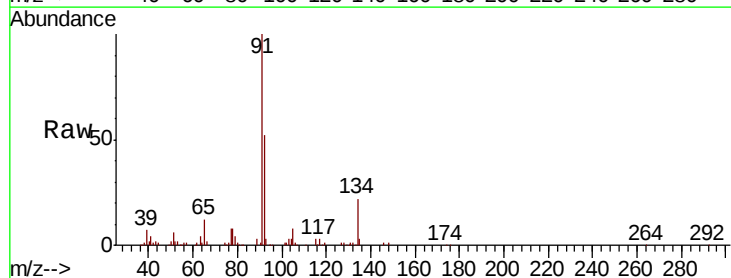
Manual Integrations
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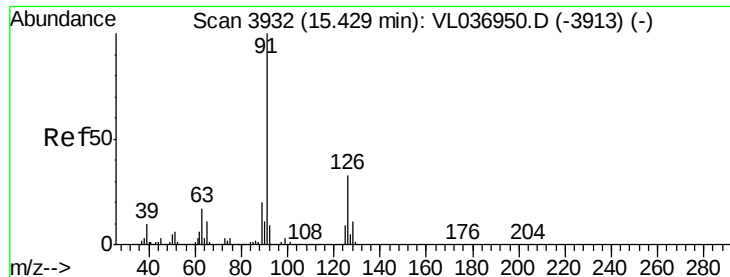
MMDadoda
 5/24/2021 3:01:12 PM



#70
 n-Butylbenzene
 Concen: 0.438 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	44.6	66.8
134	26.2	20.2	30.2





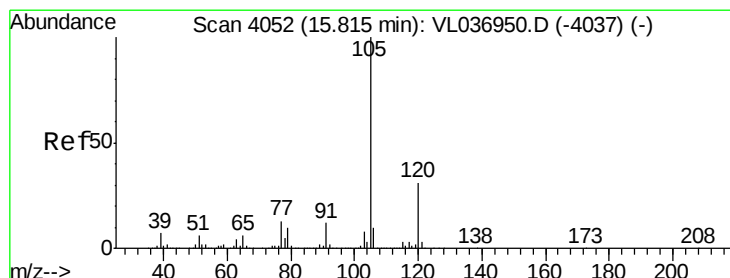
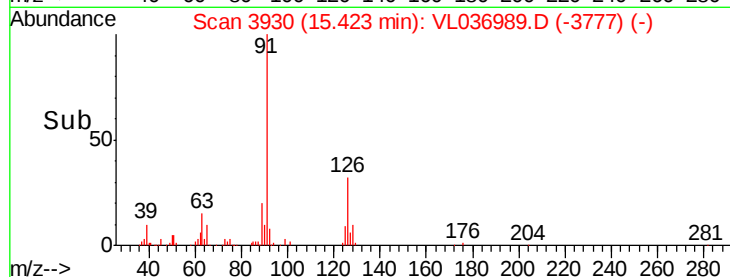
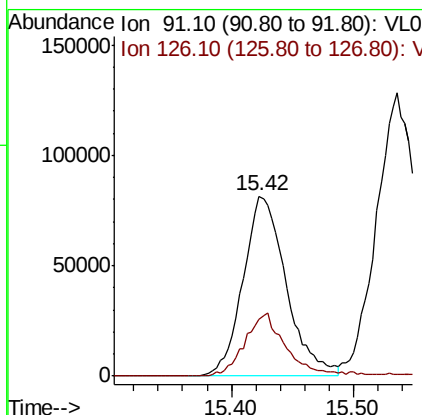
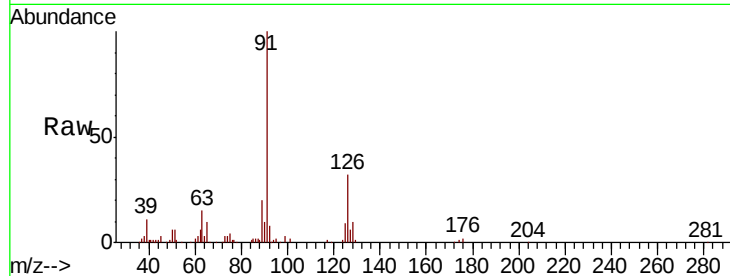
#71
 2-Chlorotoluene
 Concen: 0.499 ppbv
 RT: 15.42 min Scan# 3930
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.0	13.1	52.5

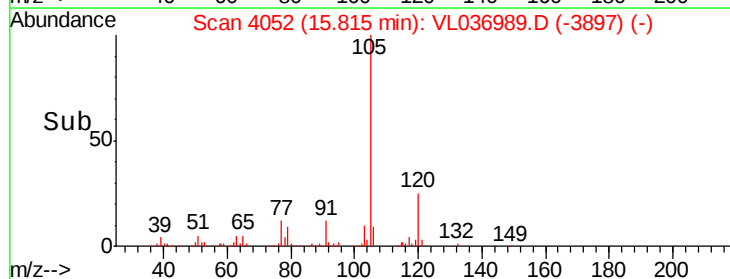
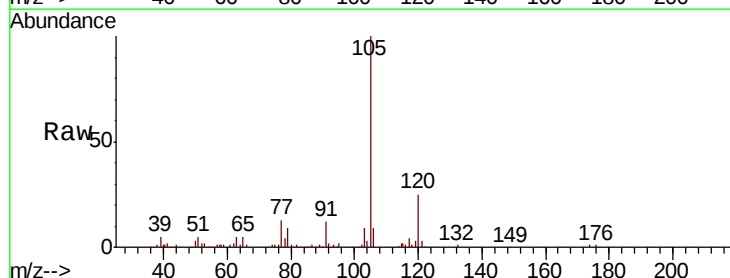
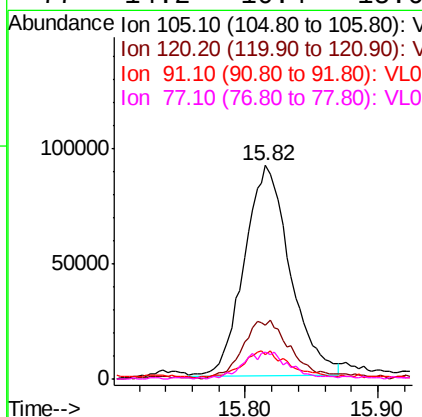
Manual Integrations
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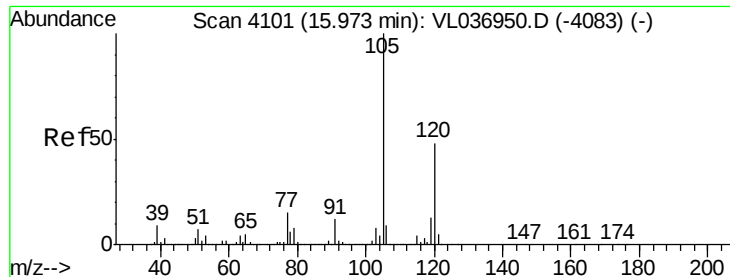
MMDadoda
 5/24/2021 3:01:12 PM



#72
 4-Ethyltoluene
 Concen: 0.477 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.9	24.6	37.0
91	13.2	9.8	14.6
77	14.2	10.4	15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.455 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 195148

Ion Ratio Lower Upper

105 100

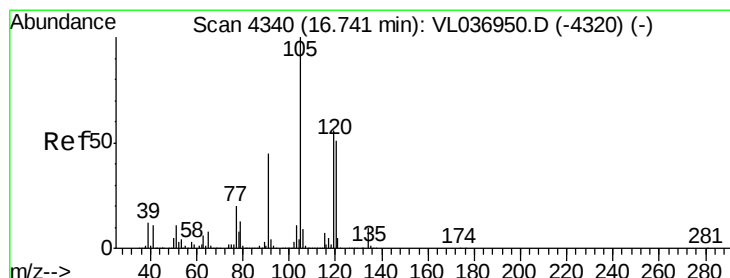
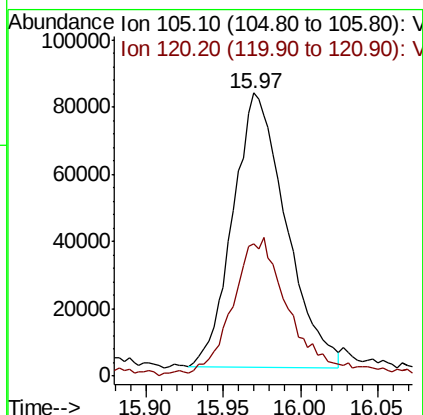
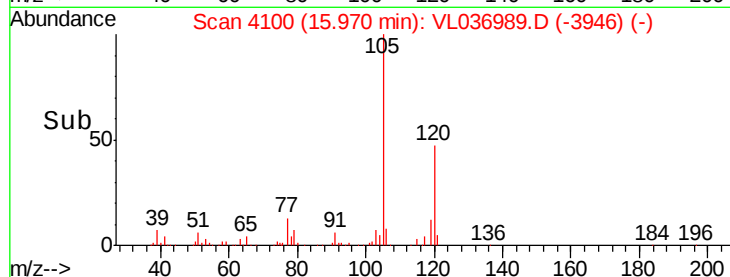
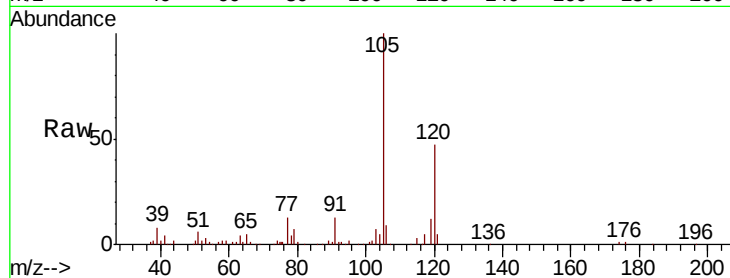
120 46.9 38.6 58.0

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 0.482 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion:105 Resp: 213640

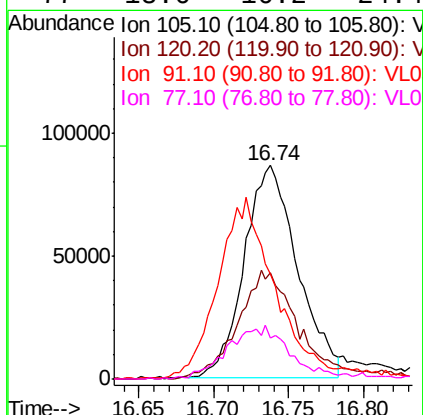
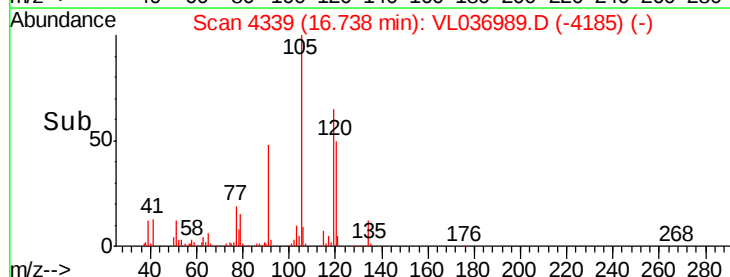
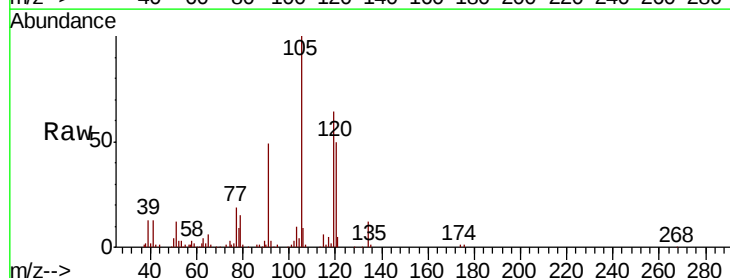
Ion Ratio Lower Upper

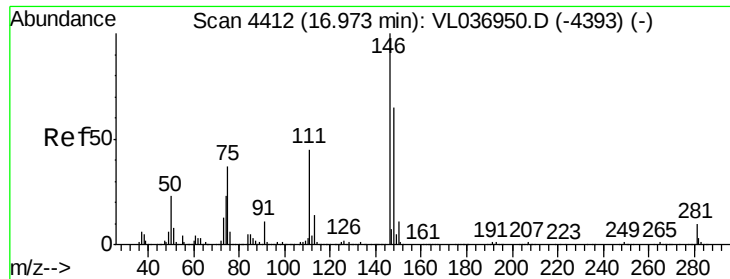
105 100

120 48.4 40.6 61.0

91 44.3 37.4 56.0

77 18.6 16.2 24.4





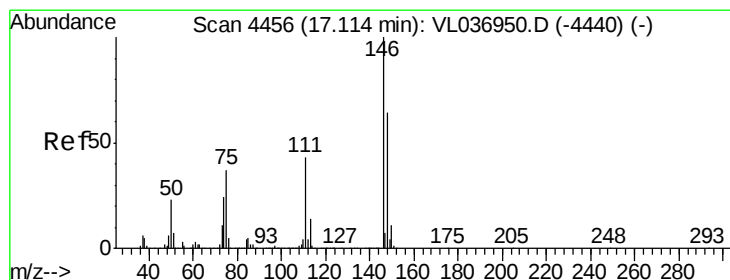
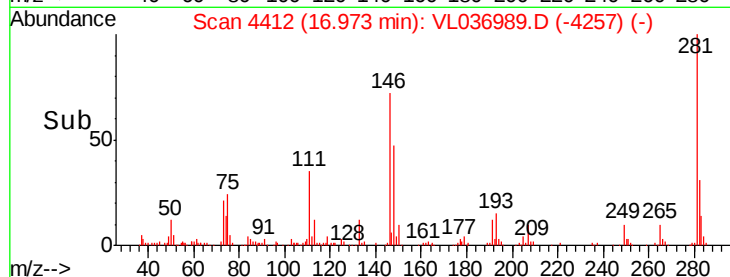
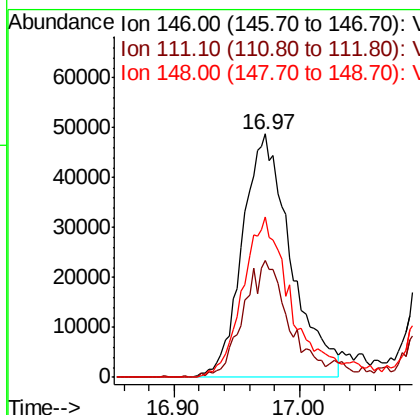
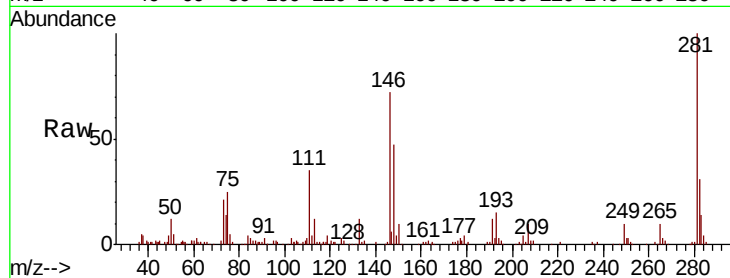
#75
 1,3-Dichlorobenzene
 Concen: 0.483 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.2	66.6
148	68.0	32.3	96.8

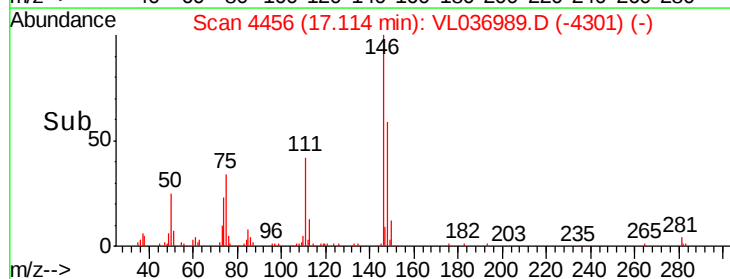
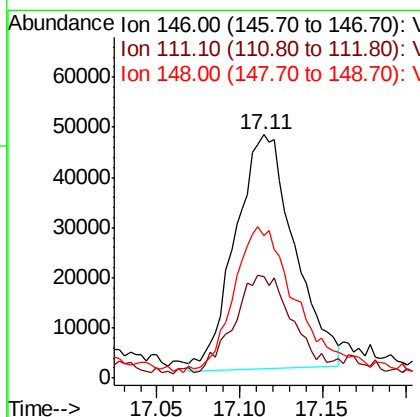
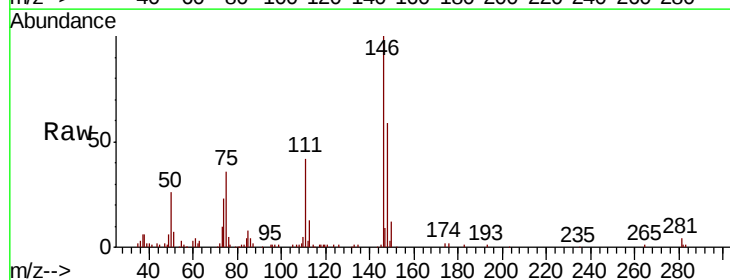
Manual Integrations
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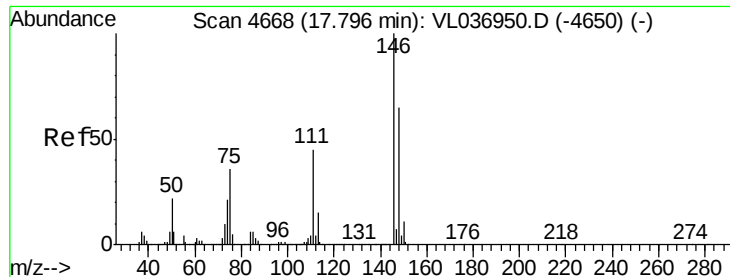
MMDadoda
 5/24/2021 3:01:12 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.423 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.4	22.6	67.7
148	76.0	33.5	100.5





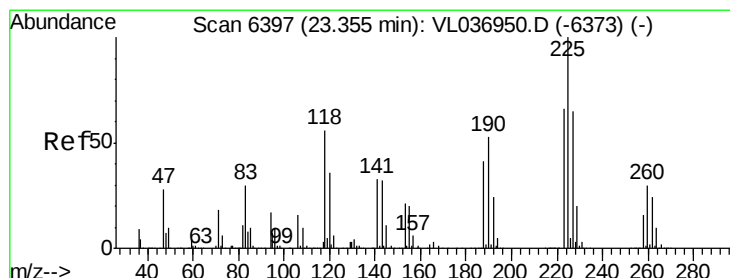
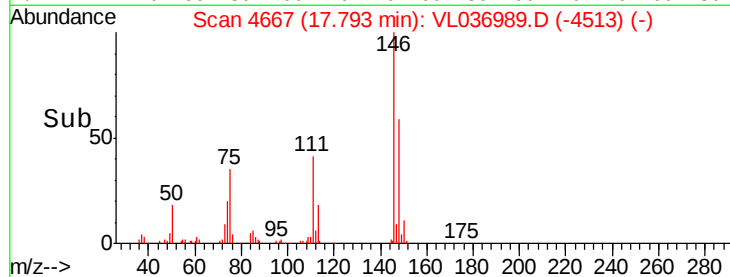
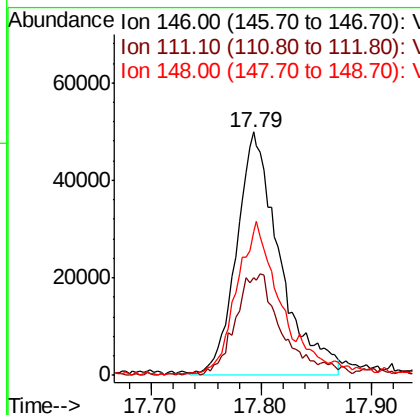
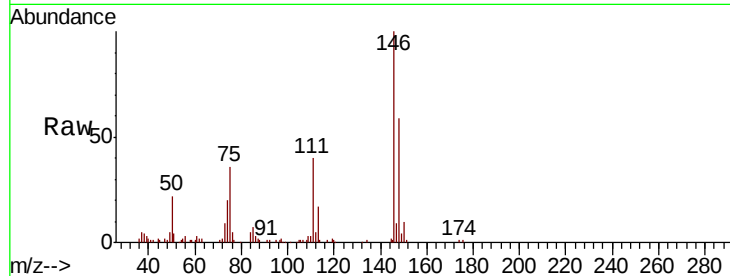
#77
 1,2-Dichlorobenzene
 Concen: 0.504 ppbv m
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136645		
111	45.5	23.1	69.2	
148	65.9	32.5	97.4	

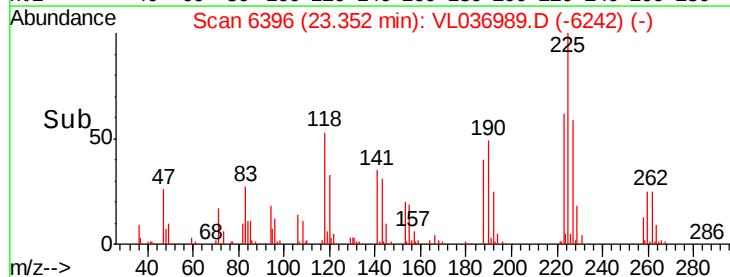
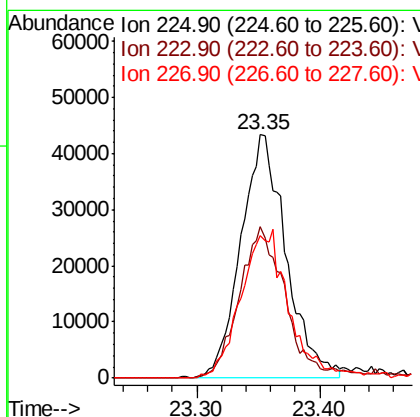
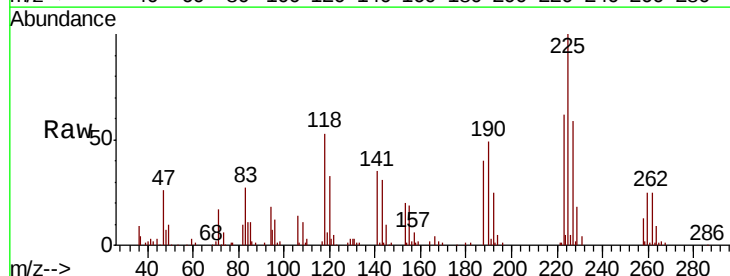
Manual Integrations
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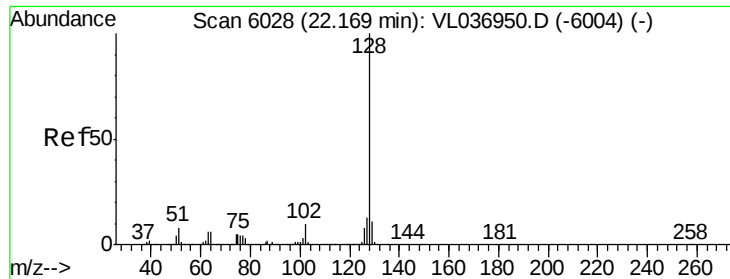
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.507 ppbv m
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110625		
223	65.5	51.9	77.9	
227	64.9	51.8	77.6	





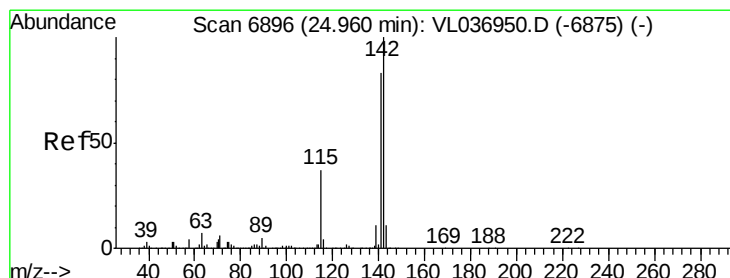
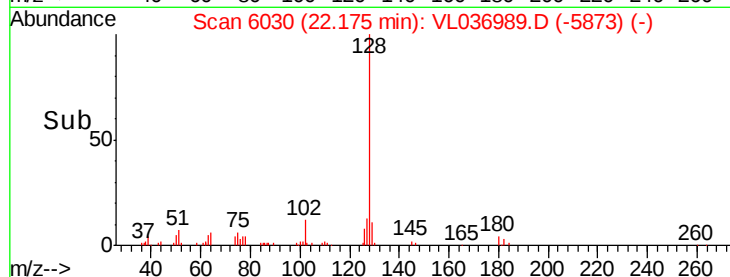
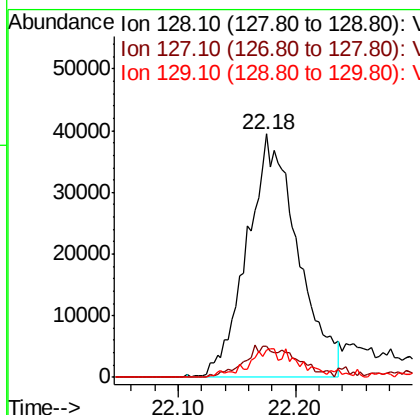
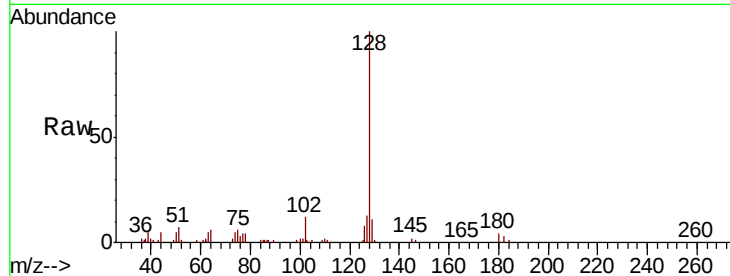
#79
Naphthalene
Concen: 0.340 ppbv m
RT: 22.18 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	118367		
127	13.0		10.4	15.6
129	11.1		9.0	13.6

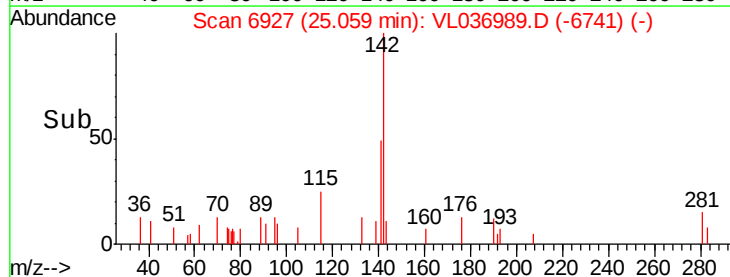
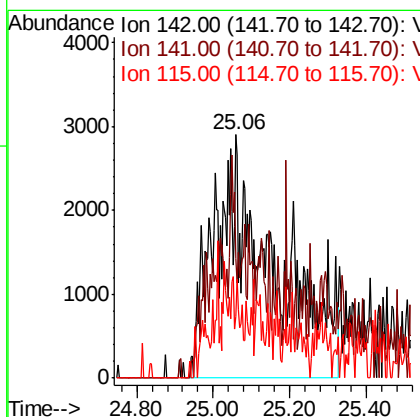
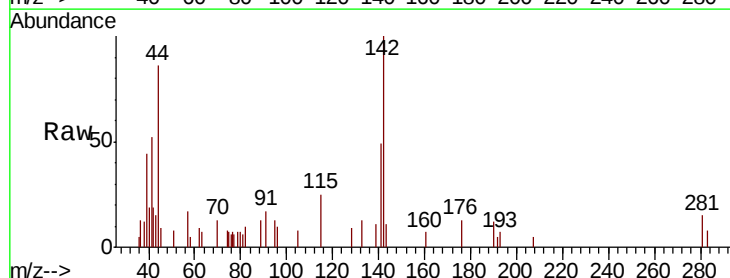
Manual Integrations
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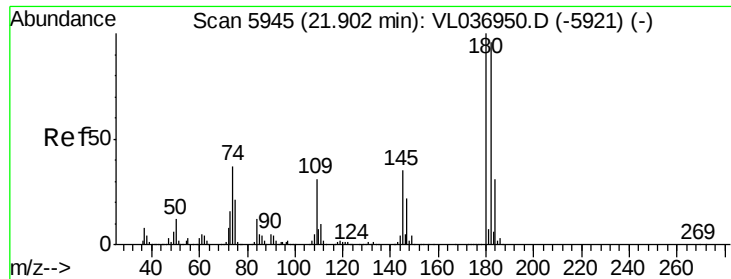
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#80
Naphthalene, 2-methyl-
Concen: 0.400 ppbv m
RT: 25.06 min Scan# 6927
Delta R.T. 0.10 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	30288		
141	7.5		69.3	103.9#
115	3.7		29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.398 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	110.5	81.7	122.5
184	29.7	24.9	37.3

Manual Integrations
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