

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036965.D
 Acq On : 18 May 2021 12:38
 Operator : SY/AP
 Sample : M2262-13 0.4
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Manual Integrations
 APPROVED

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 5/20/2021 5:55:06 PM

Quant Time: May 19 03:44:09 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	1230032	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3670358	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3413730	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2565500	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	99837	0.478	ppbv	93
3) Chlorodifluoromethane	2.97	51	105195	0.467	ppbv	99
4) Chloromethane	3.12	50	34863m	0.455	ppbv	
5) Vinyl Chloride	3.24	62	35301m	0.421	ppbv	
6) Bromomethane	3.46	94	16051	0.363	ppbv	90
7) Chloroethane	3.54	64	12079m	0.444	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	83421	0.426	ppbv	89
9) Propene	2.99	41	41420	0.513	ppbv	99
10) Heptane	8.10	43	87828	0.437	ppbv	98
11) Trichlorofluoromethane	3.93	101	89495	0.463	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	60585	0.440	ppbv	97
13) Ethanol	3.61	45	9543m	0.886	ppbv	
14) Bromoethene	3.72	108	23137	0.382	ppbv #	83
15) Acetone	3.86	43	69419m	0.551	ppbv	
16) 1,3-Butadiene	3.31	39	28918	0.369	ppbv	87
17) tert-Butyl alcohol	4.32	59	53039m	0.460	ppbv	
18) 1,1-Dichloroethene	4.27	96	26934	0.423	ppbv	88
19) Isopropyl Alcohol	3.99	45	36597m	0.540	ppbv	
20) Methylene Chloride	4.33	84	30065	0.445	ppbv	96
21) Allyl Chloride	4.39	41	31251	0.329	ppbv #	68
22) trans-1,2-Dichloroethene	4.87	96	25128m	0.412	ppbv	
23) Vinyl Acetate	5.07	43	77396m	0.387	ppbv	
24) 1,1-Dichloroethane	4.99	63	54147	0.376	ppbv	98
25) Ethyl Acetate	5.66	43	128156m	0.423	ppbv	
26) Hexane	5.66	57	61400	0.397	ppbv #	86
27) Carbon Disulfide	4.53	76	54553	0.350	ppbv #	96
28) Methyl tert-Butyl Ether	5.03	73	71124	0.384	ppbv	99
29) Chloroform	5.73	83	100894	0.462	ppbv	90
30) Cyclohexane	7.11	84	62860m	0.478	ppbv	
31) cis-1,2-Dichloroethene	5.52	61	55586	0.401	ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	89429	0.381	ppbv	94
34) 2-Butanone	5.25	43	64237m	0.481	ppbv	
35) Carbon Tetrachloride	7.00	117	91889	0.377	ppbv	93
36) Benzene	6.86	78	137081	0.434	ppbv	96
37) 1,2-Dichloroethane	6.29	62	62295	0.397	ppbv	97
38) Trichloroethene	7.81	130	51081	0.378	ppbv	92
39) 1,2-Dichloropropane	7.58	63	53277m	0.437	ppbv	
40) 1,4-Dioxane	7.87	88	17301m	0.602	ppbv	
41) Tetrahydrofuran	6.06	42	28621m	0.376	ppbv	
42) Bromodichloromethane	7.76	83	87566	0.369	ppbv #	95
43) Methyl Methacrylate	8.00	69	39194	0.360	ppbv	99

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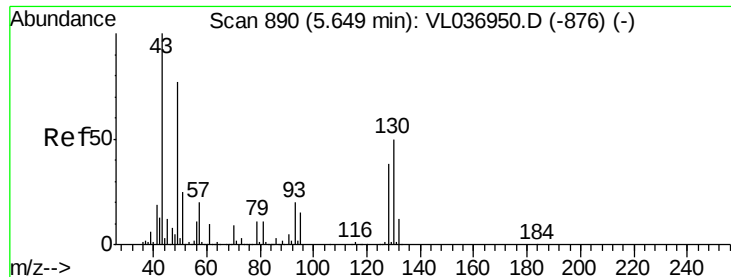
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	235924	0.435	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	25478m	0.306	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	33798	0.302	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	51716	0.406	ppbv	90
48) Dibromochloromethane	10.28	129	67478	0.327	ppbv	97
49) Bromoform	13.01	173	47979	0.281	ppbv	93
50) 4-Methyl-2-Pentanone	8.75	43	74120	0.336	ppbv #	84
51) 2-Hexanone	10.15	43	44707m	0.383	ppbv	
52) Tetrachloroethene	11.20	164	55164	0.439	ppbv	96
53) Toluene	9.78	91	160503	0.427	ppbv	98
54) 1,2-Dibromoethane	10.59	107	73815m	0.407	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	55946	0.389	ppbv #	1
57) Chlorobenzene	12.12	112	116404	0.440	ppbv #	92
58) Ethyl Benzene	12.68	91	208391	0.433	ppbv	94
59) m/p-Xylene	12.96	91	354212m	0.889	ppbv	
60) o-Xylene	13.67	91	169397m	0.446	ppbv	
61) Styrene	13.50	104	76946	0.360	ppbv	90
62) Isopropylbenzene	14.64	105	233866	0.428	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	106873m	0.377	ppbv	
64) n-propylbenzene	15.54	120	55182	0.392	ppbv #	57
65) tert-Butylbenzene	16.72	119	216044	0.439	ppbv	95
66) Benzyl Chloride	16.98	91	7155m	0.262	ppbv	
67) sec-Butylbenzene	17.27	105	280136	0.417	ppbv	100
69) p-Isopropyltoluene	17.63	119	234105	0.405	ppbv	97
70) n-Butylbenzene	18.53	91	219199	0.399	ppbv	97
71) 2-Chlorotoluene	15.42	91	174336	0.442	ppbv	100
72) 4-Ethyltoluene	15.81	105	181228	0.402	ppbv	96
73) 1,3,5-Trimethylbenzene	15.98	105	172452	0.407	ppbv	89
74) 1,2,4-Trimethylbenzene	16.73	105	188998m	0.432	ppbv	
75) 1,3-Dichlorobenzene	16.97	146	108332	0.405	ppbv	92
76) 1,4-Dichlorobenzene	17.11	146	105634	0.391	ppbv	95
77) 1,2-Dichlorobenzene	17.80	146	104579	0.390	ppbv	89
78) Hexachloro-1,3-Butadiene	23.36	225	94343	0.438	ppbv	95
79) Naphthalene	22.18	128	108522m	0.316	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	23806m	0.319	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	70299	0.336	ppbv	94

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

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LOD-MDL-AIR-01-QT2-2021

Tot Ion: 49 Resp: 1230032

Ion Ratio Lower Upper

49 100

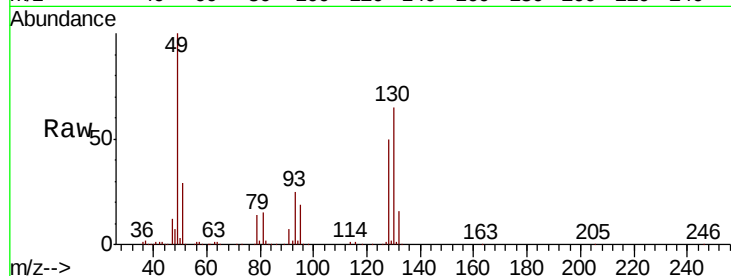
128 53.8 26.9 80.7

130 71.7 33.8 101.4

Manual Integrations
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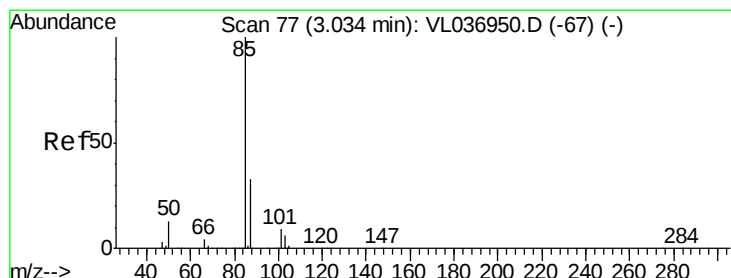
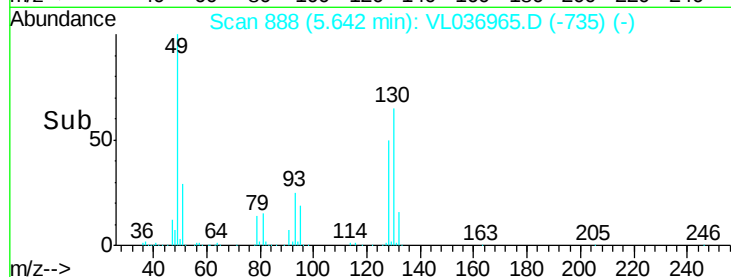
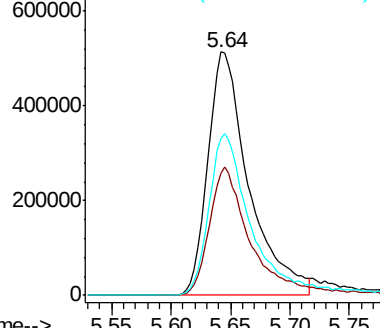
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.478 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036965.D

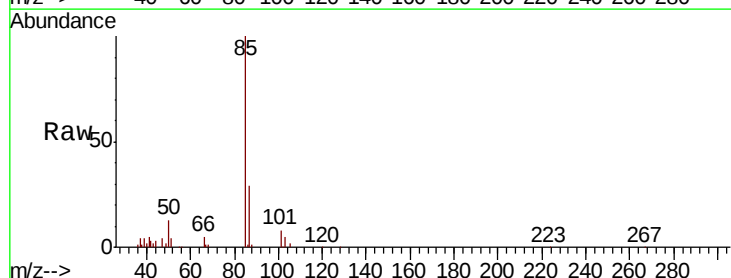
Acq: 18 May 2021 12:38

Tgt Ion: 85 Resp: 99837

Ion Ratio Lower Upper

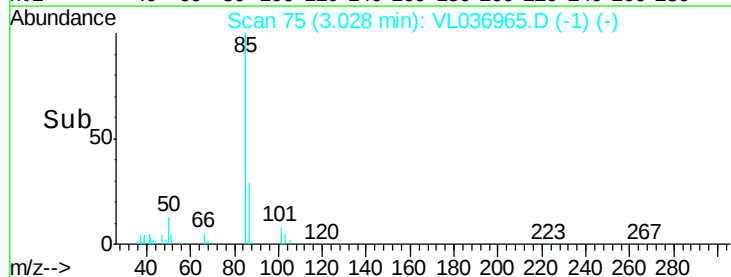
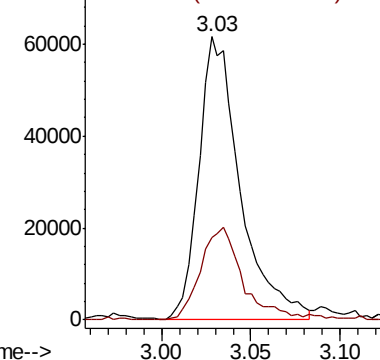
85 100

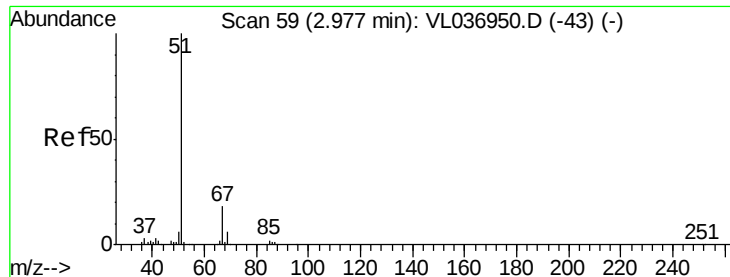
87 29.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.467 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 51 Resp: 105195

Ion Ratio Lower Upper

51 100

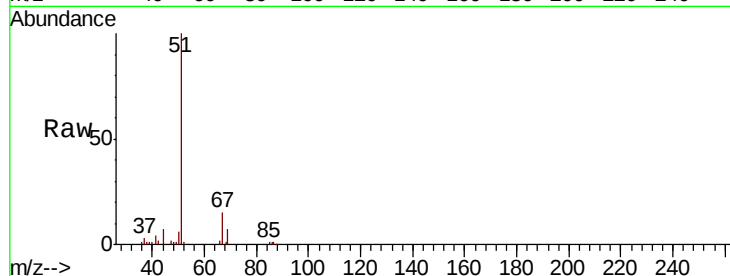
67 18.9 14.6 21.8

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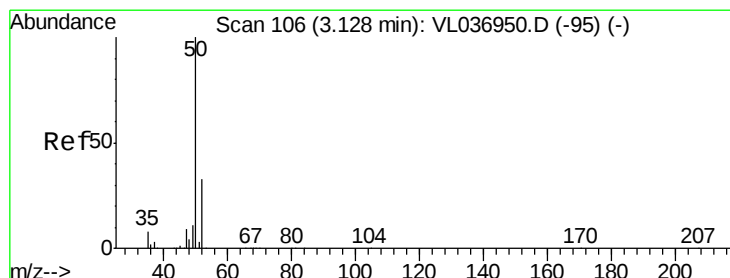
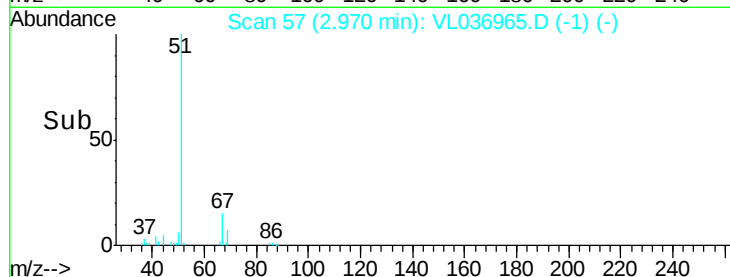
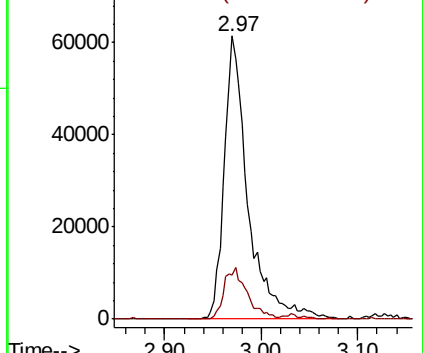
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.455 ppbv m

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036965.D

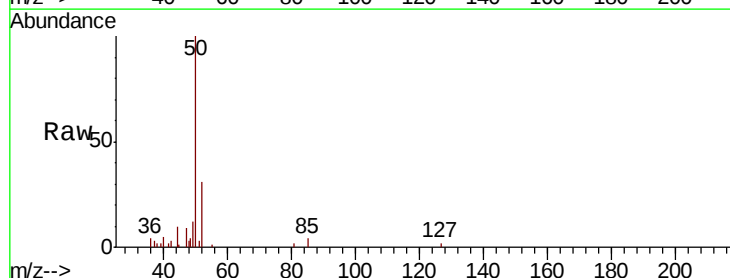
Acq: 18 May 2021 12:38

Tgt Ion: 50 Resp: 34863

Ion Ratio Lower Upper

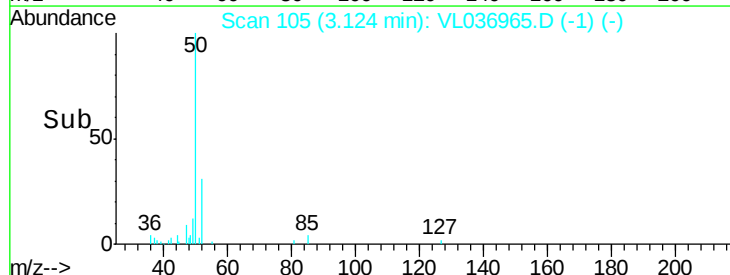
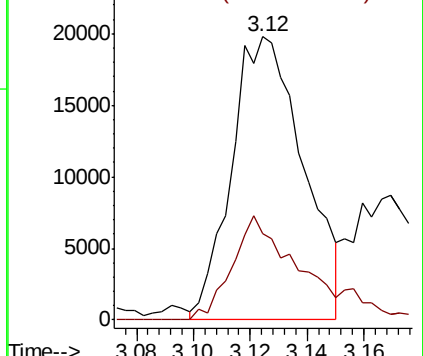
50 100

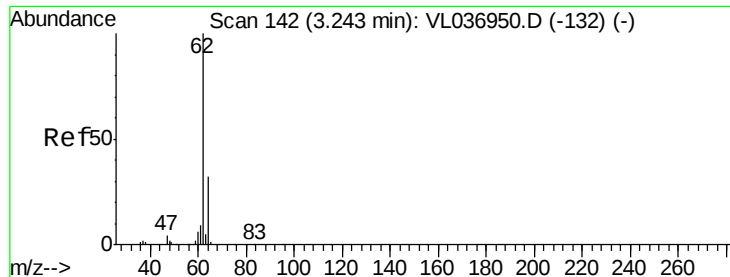
52 30.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.421 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 62 Resp: 35301

Ion Ratio Lower Upper

62 100

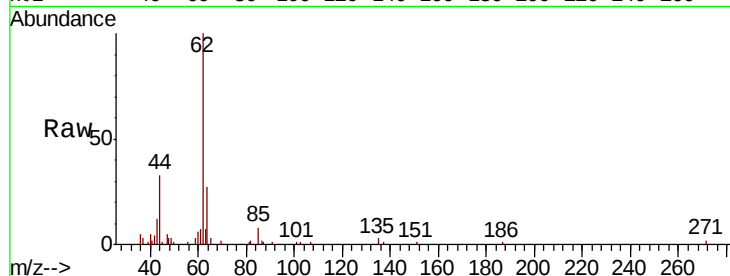
64 26.7 25.9 38.9

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

20000

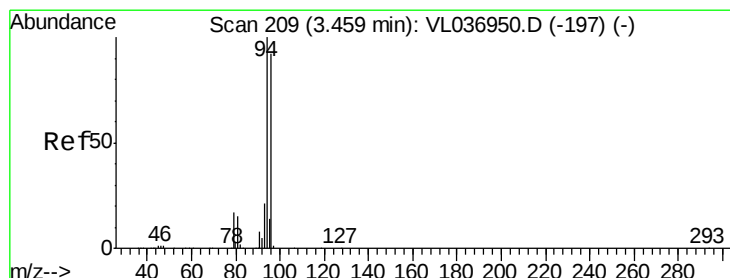
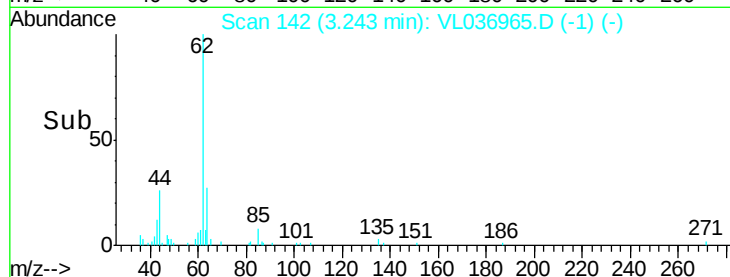
15000

10000

5000

0

Time-->



#6

Bromomethane

Concen: 0.363 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL036965.D

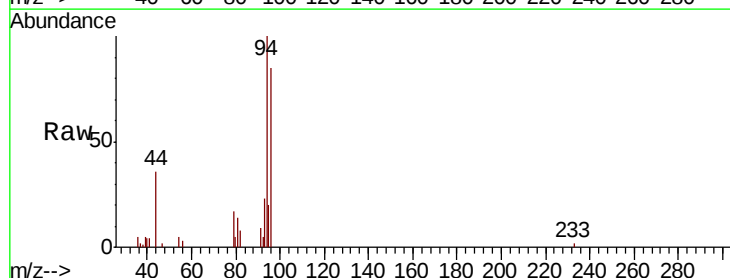
Acq: 18 May 2021 12:38

Tgt Ion: 94 Resp: 16051

Ion Ratio Lower Upper

94 100

96 82.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

12000

10000

8000

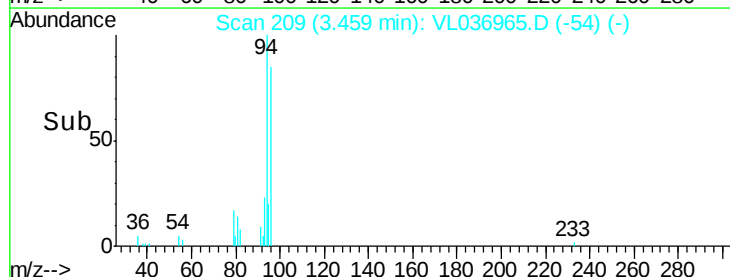
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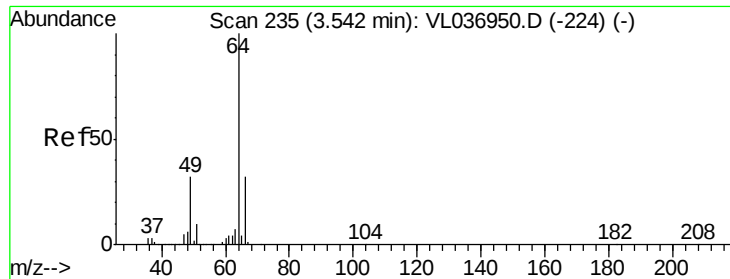
4000

2000

0

Time-->





#7

Chloroethane

Concen: 0.444 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

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ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 64 Resp: 12079

Ion Ratio Lower Upper

64 100

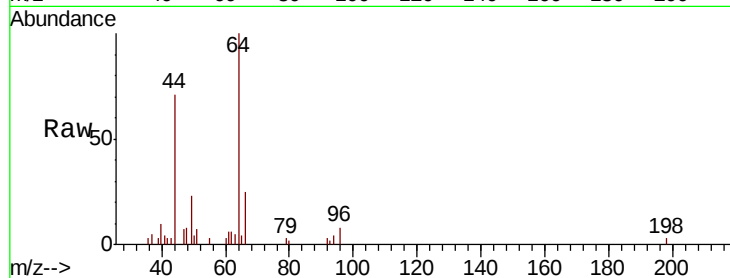
66 25.1 25.4 38.2#

Manual Integrations

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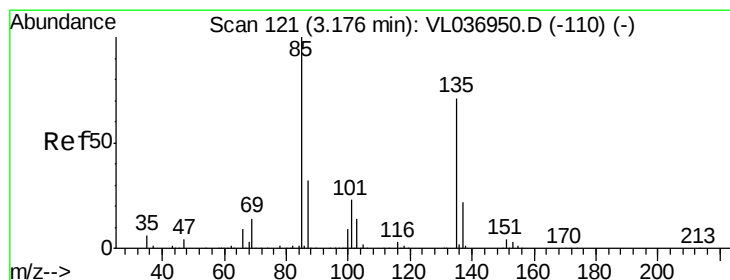
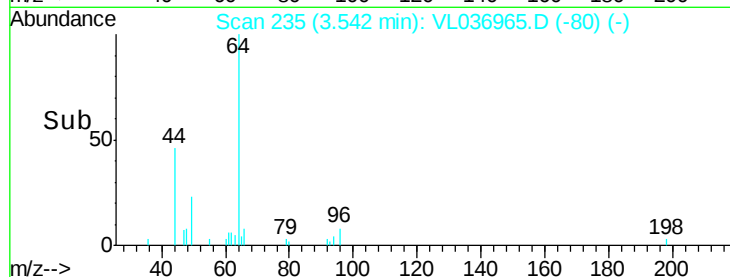
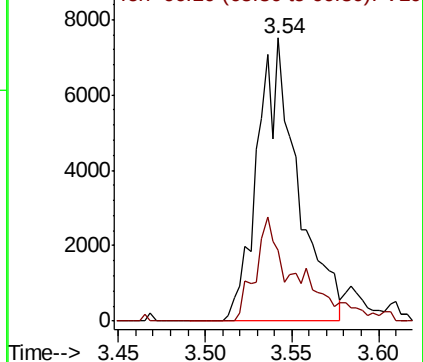
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.426 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL036965.D

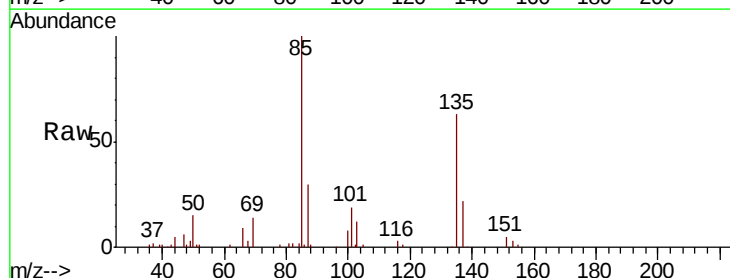
Acq: 18 May 2021 12:38

Tgt Ion: 85 Resp: 83421

Ion Ratio Lower Upper

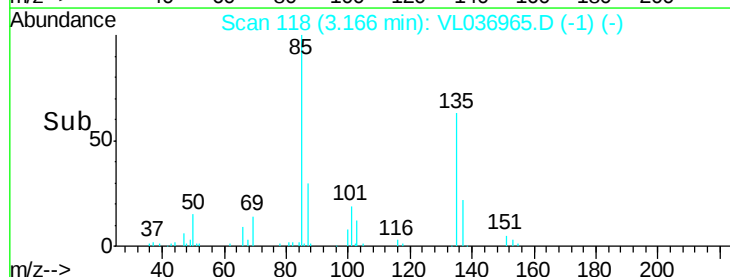
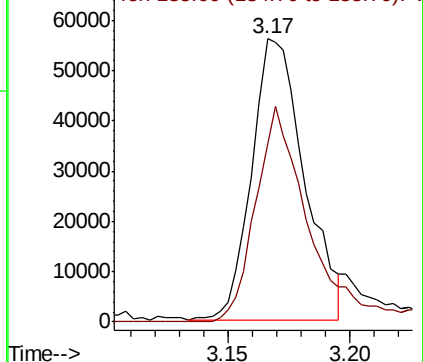
85 100

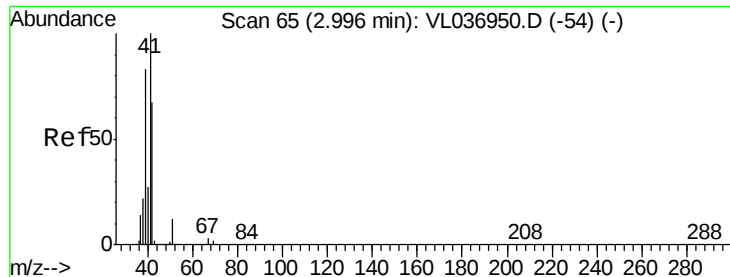
135 81.0 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





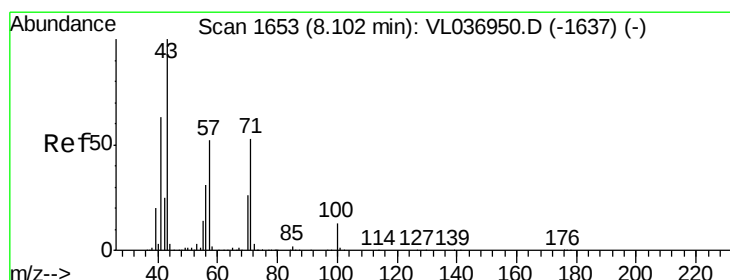
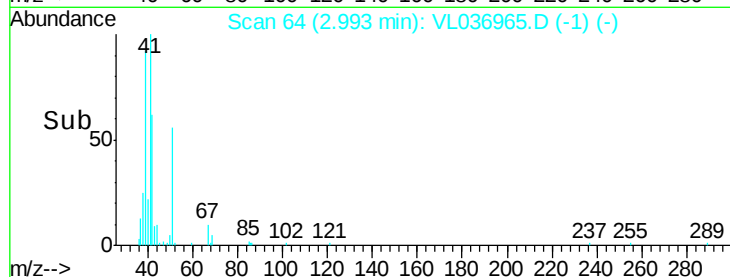
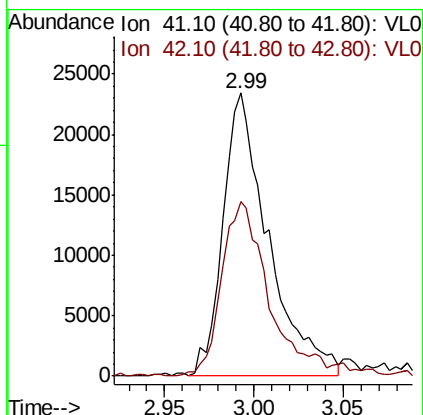
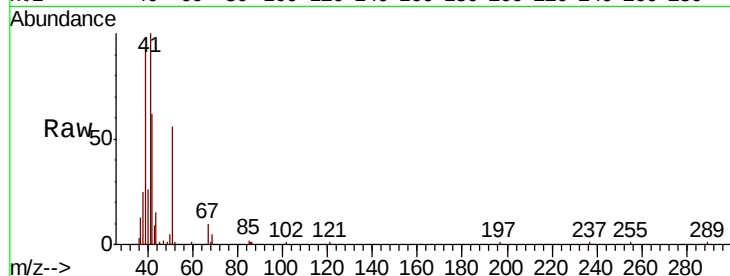
#9
 Propene
 Concen: 0.513 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion: 41 Resp: 41420
 Ion Ratio Lower Upper
 41 100
 42 66.3 53.9 80.9

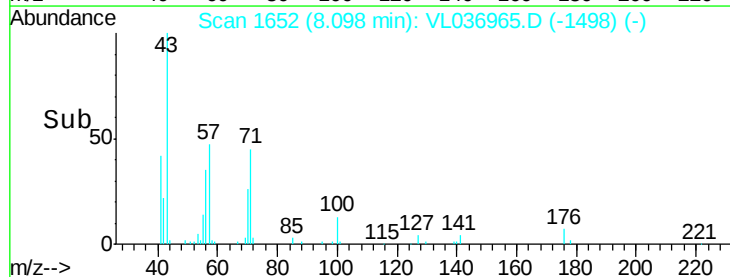
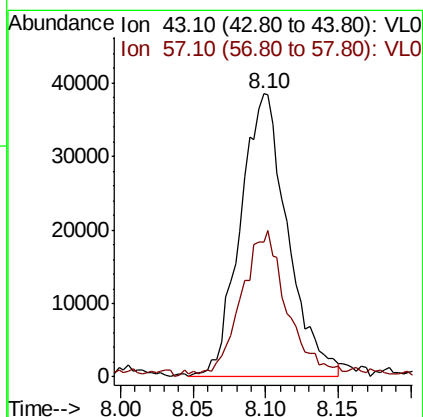
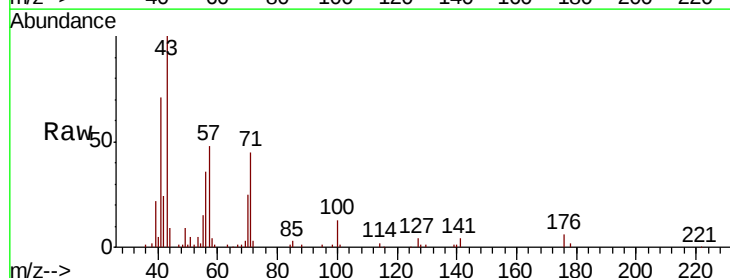
Manual Integrations
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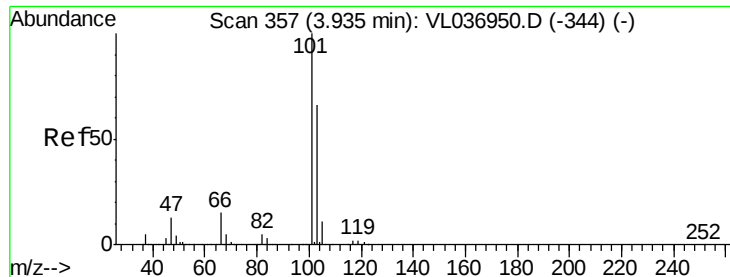
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#10
 Heptane
 Concen: 0.437 ppbv
 RT: 8.10 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 43 Resp: 87828
 Ion Ratio Lower Upper
 43 100
 57 52.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.463 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:101 Resp: 89495

Ion Ratio Lower Upper

101 100

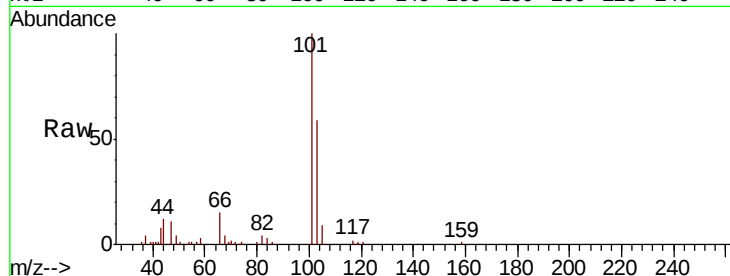
103 59.0 52.6 79.0

Manual Integrations

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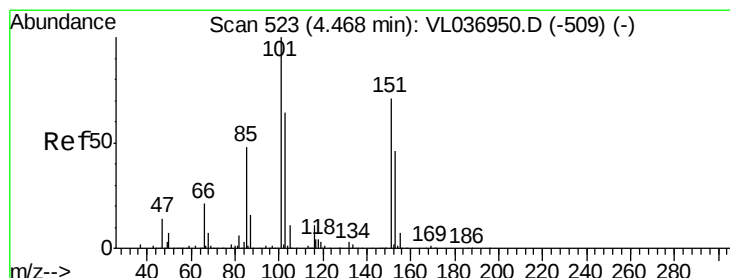
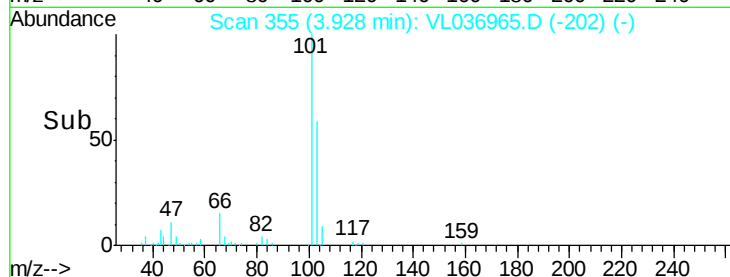
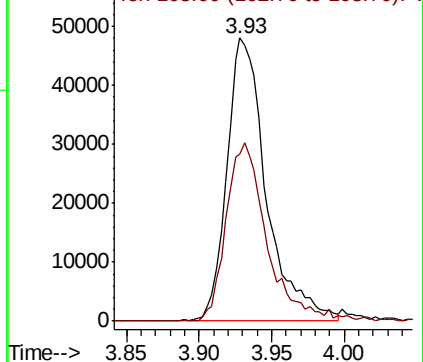
MMDadoda

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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: 0.440 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL036965.D

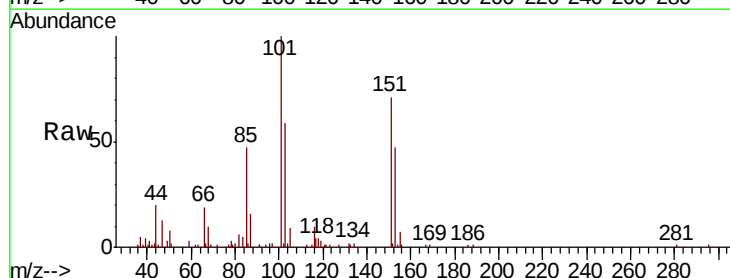
Acq: 18 May 2021 12:38

Tgt Ion:101 Resp: 60585

Ion Ratio Lower Upper

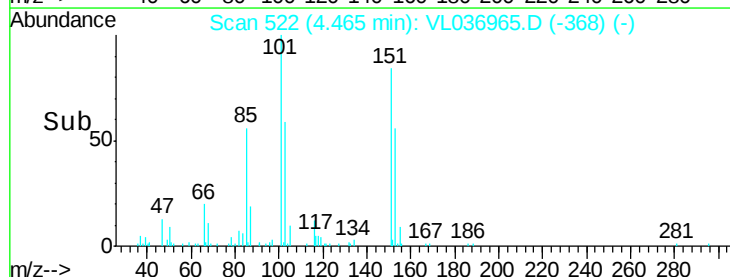
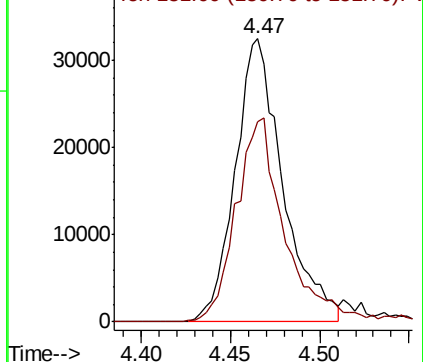
101 100

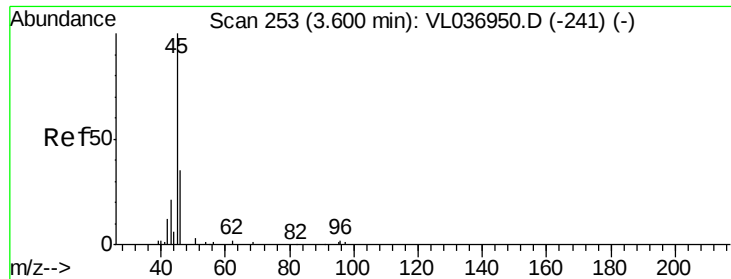
151 74.5 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





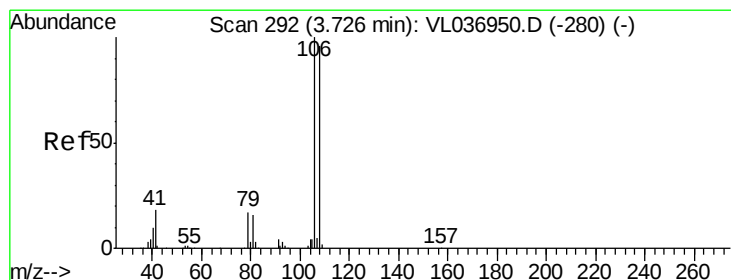
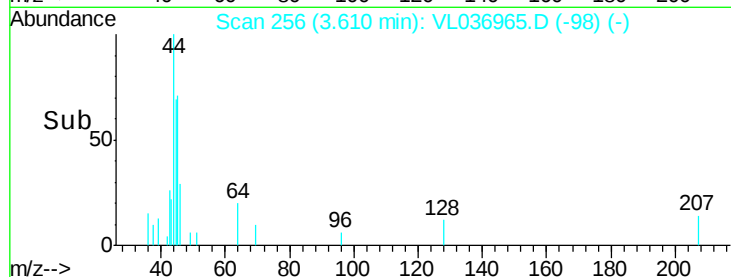
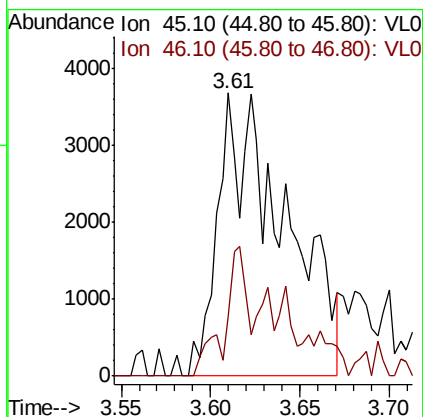
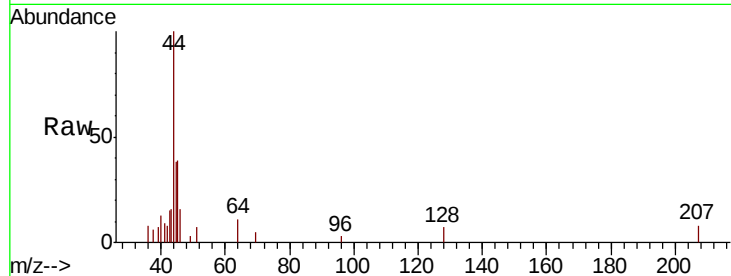
#13
Ethanol
Concen: 0.886 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 45 Resp: 9543
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#

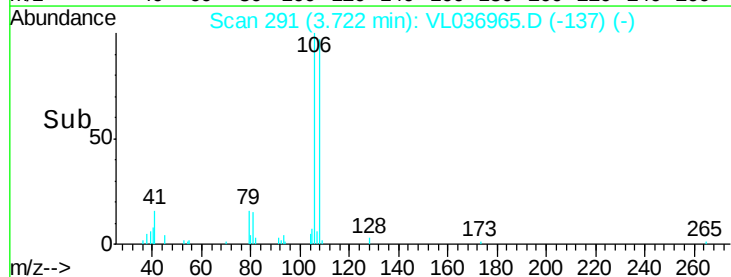
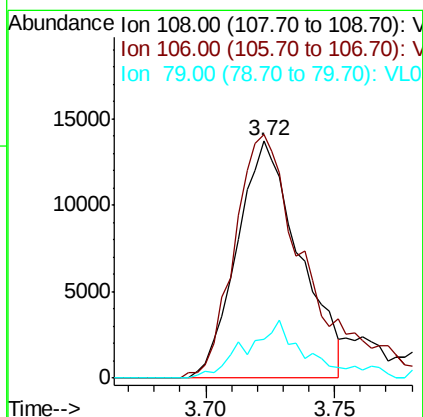
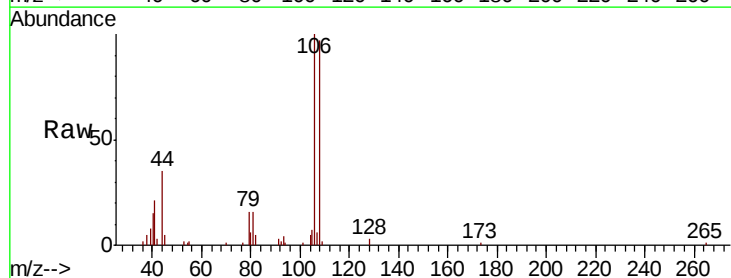
Manual Integrations
APPROVED

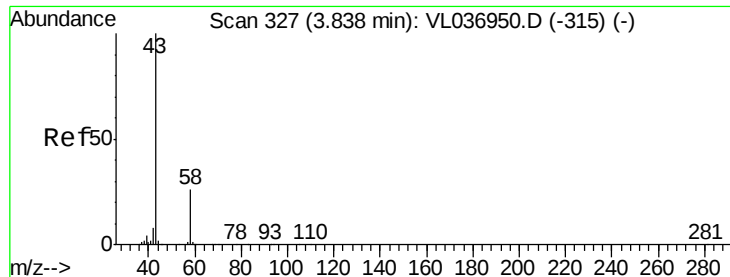
MMDadoda
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#14
Bromoethene
Concen: 0.382 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion: 108 Resp: 23137
Ion Ratio Lower Upper
108 100
106 126.3 86.5 129.7
79 24.8 15.0 22.4#





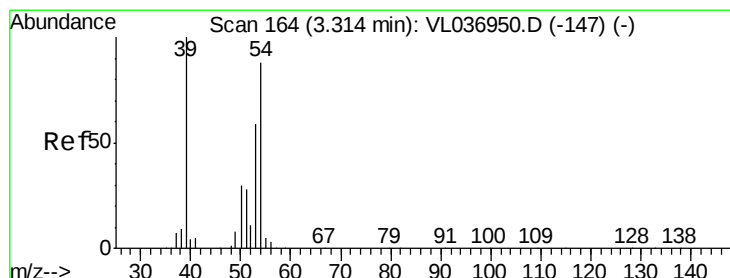
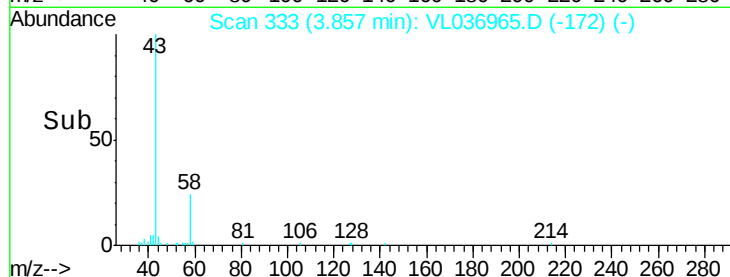
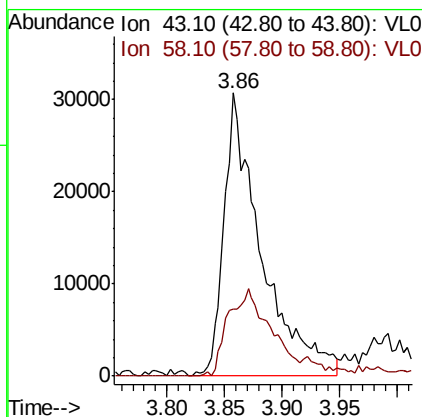
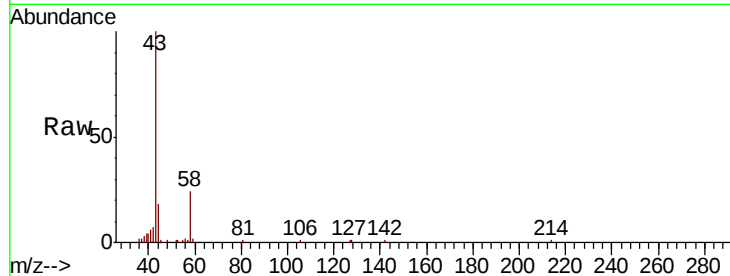
#15
Acetone
Concen: 0.551 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 43 Resp: 69419
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

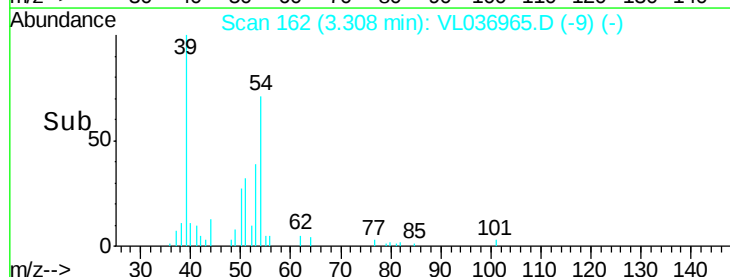
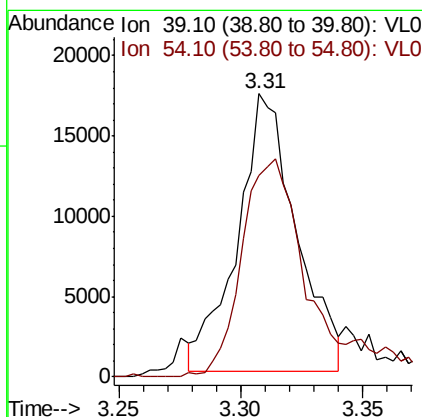
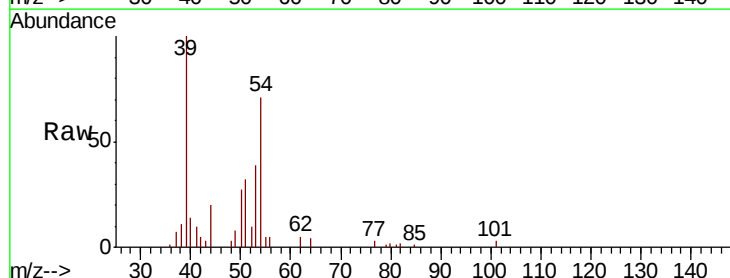
Manual Integrations
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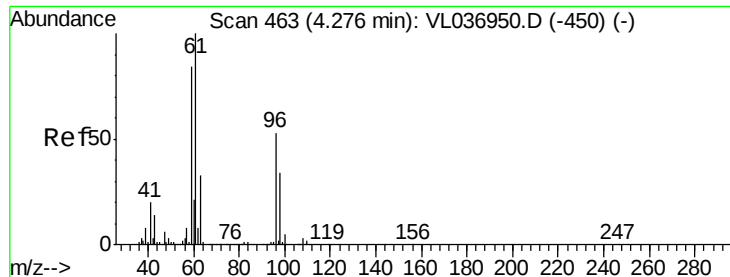
MMDadoda
5/20/2021 5:55:06 PM



#16
1,3-Butadiene
Concen: 0.369 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion: 39 Resp: 28918
Ion Ratio Lower Upper
39 100
54 90.8 63.2 94.8





#17

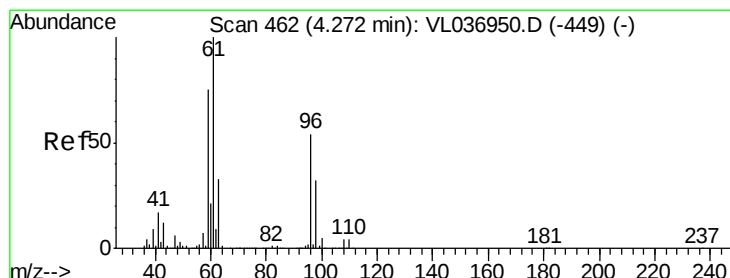
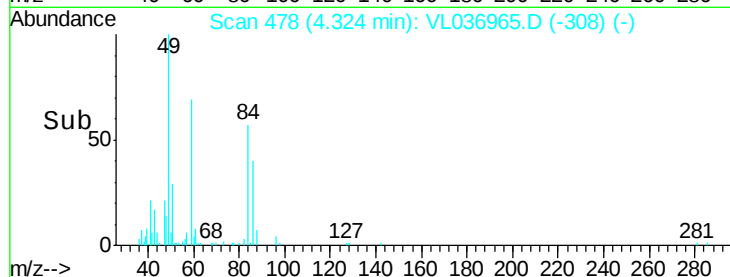
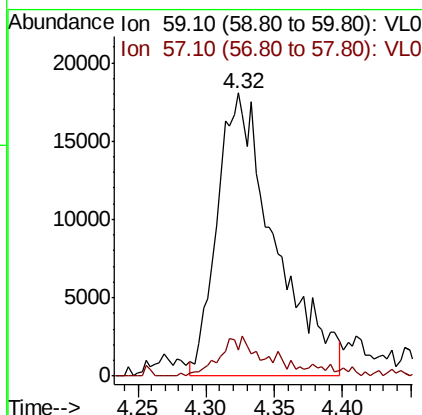
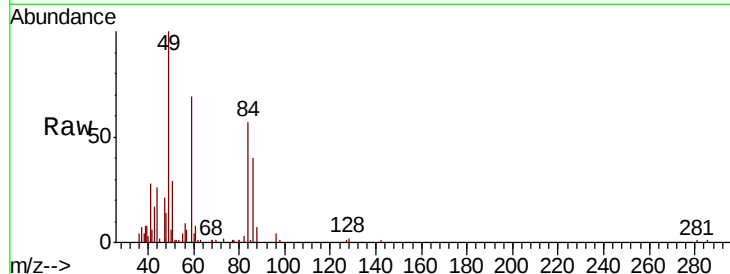
tert-Butyl alcohol
 Concen: 0.460 ppbv m
 RT: 4.32 min Scan# 478
 Delta R.T. 0.05 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion: 59 Resp: 53039
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

Manual Integrations
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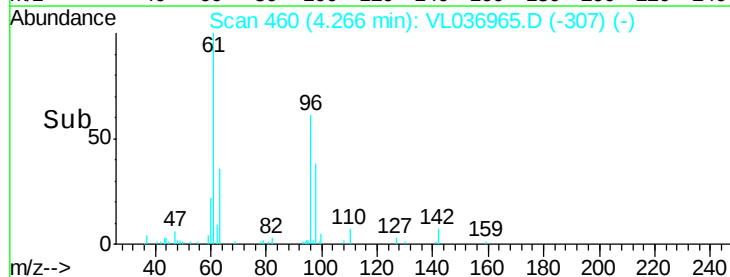
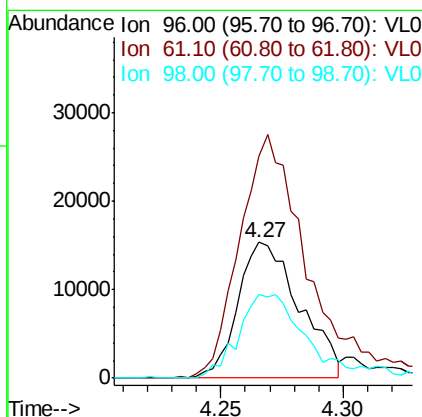
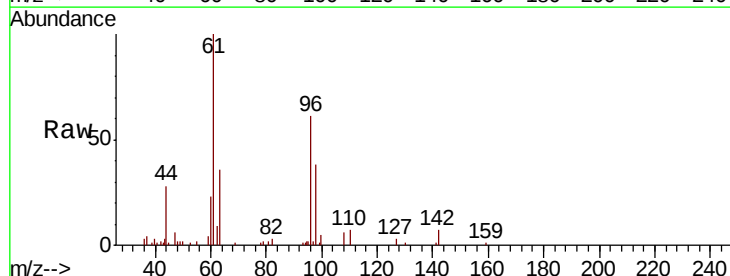
MMDadoda
 5/20/2021 5:55:06 PM

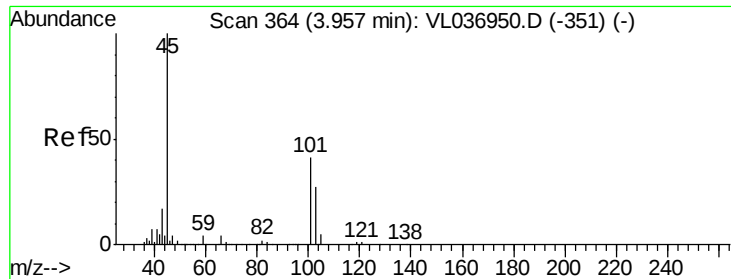


#18

1,1-Dichloroethene
 Concen: 0.423 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 96 Resp: 26934
 Ion Ratio Lower Upper
 96 100
 61 163.5 148.2 222.4
 98 61.4 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.540 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 45 Resp: 36597

Ion Ratio Lower Upper

45 100

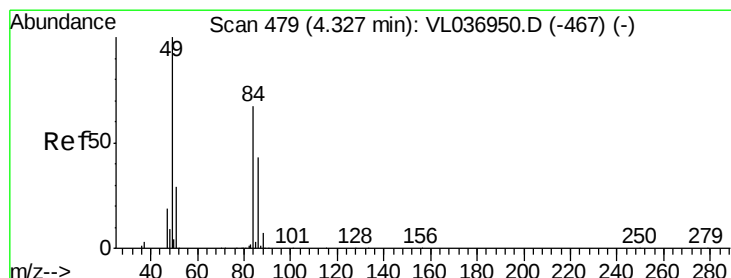
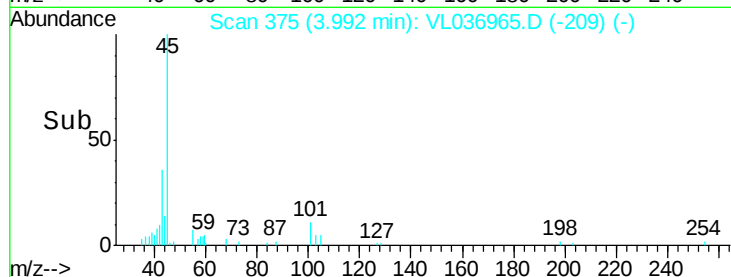
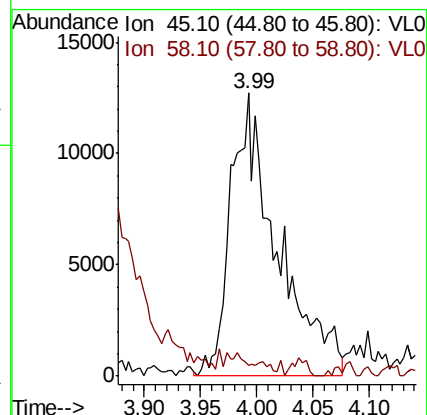
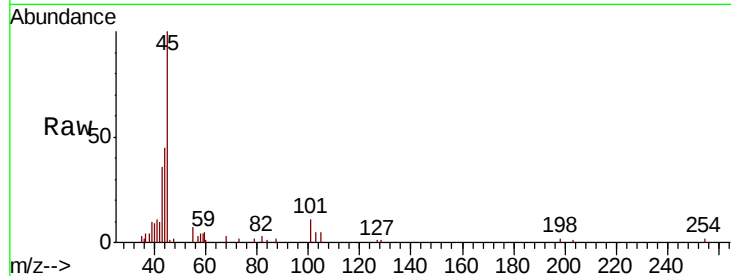
58 0.0 37.2 55.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.445 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion: 84 Resp: 30065

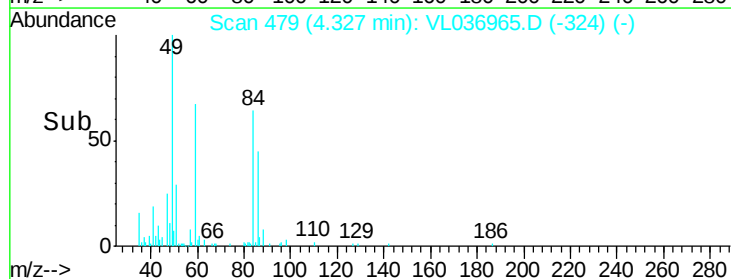
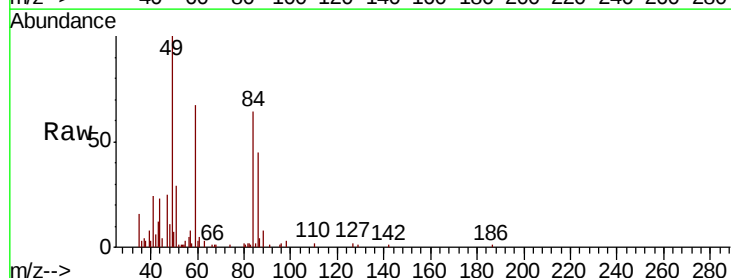
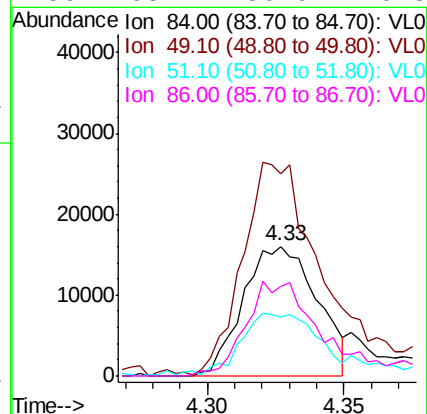
Ion Ratio Lower Upper

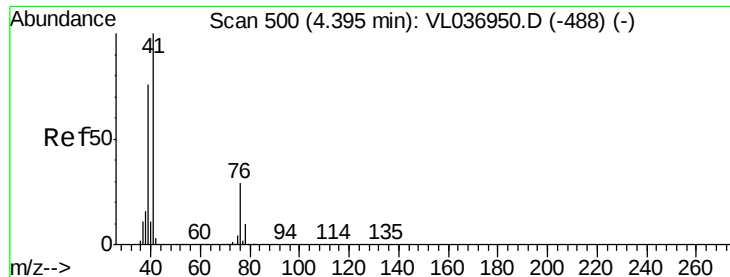
84 100

49 154.0 119.8 179.6

51 41.0 35.1 52.7

86 68.4 50.9 76.3





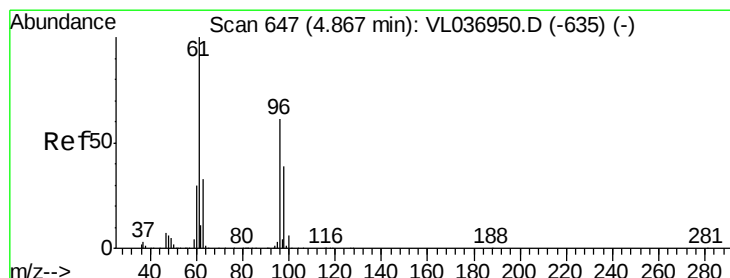
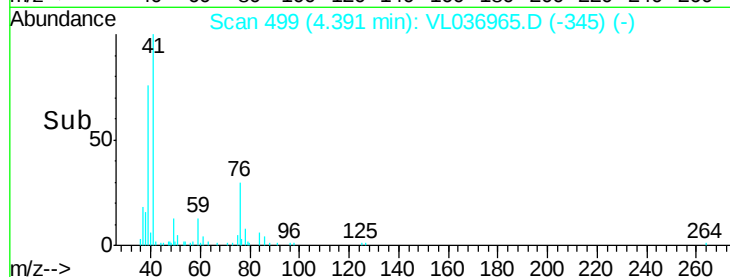
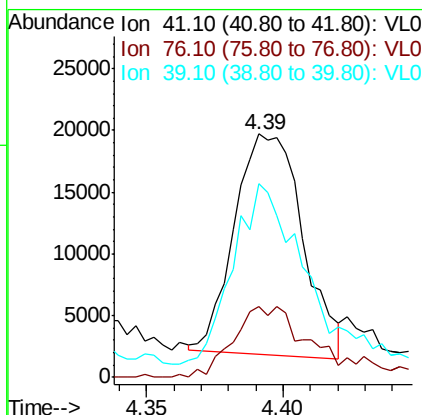
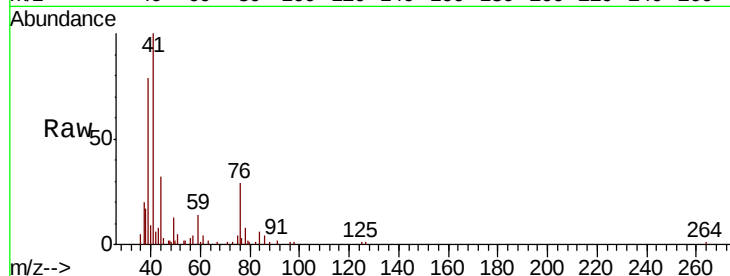
#21
Allvl Chloride
Concen: 0.329 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	40.3	24.9	37.3#
39	113.1	63.7	95.5#

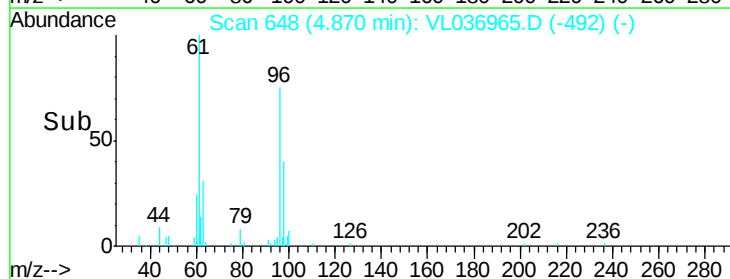
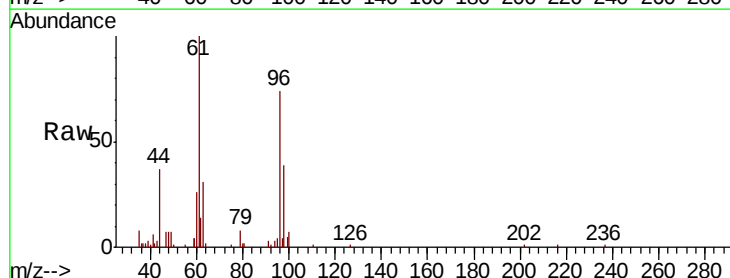
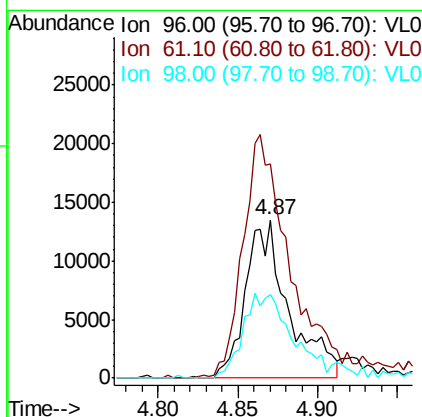
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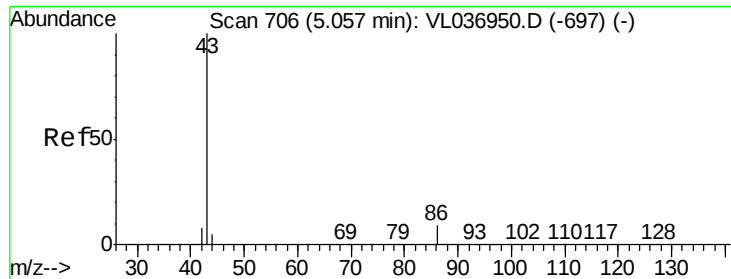
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#22
trans-1,2-Dichloroethene
Concen: 0.412 ppbv m
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.3	130.6	196.0
98	52.5	50.8	76.2





#23

Vinyl Acetate

Concen: 0.387 ppbv m

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

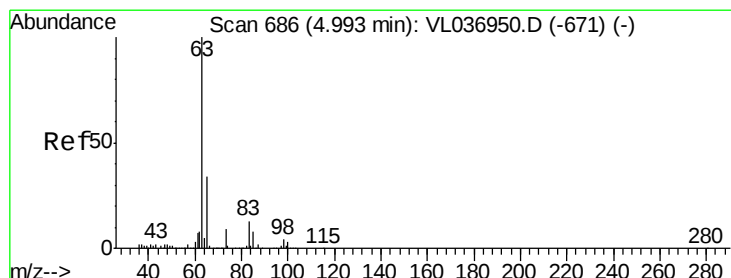
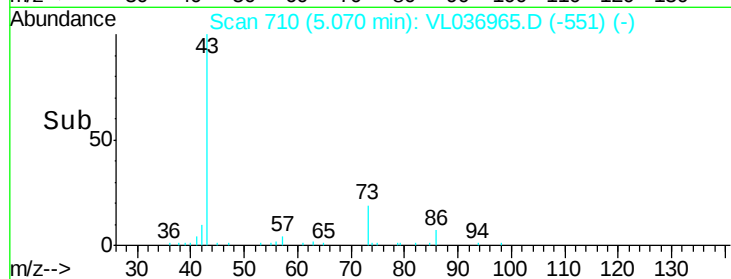
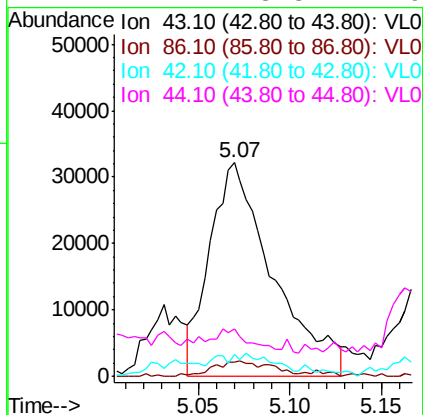
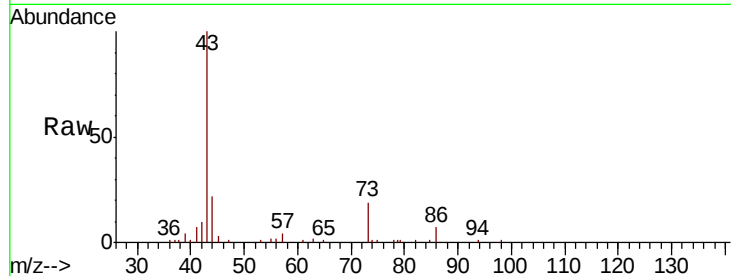
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		77396		
86	6.6	5.8	8.8		
42	10.0	7.4	11.2		
44	22.4	3.3	4.9#		

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#24

1,1-Dichloroethane

Concen: 0.376 ppbv

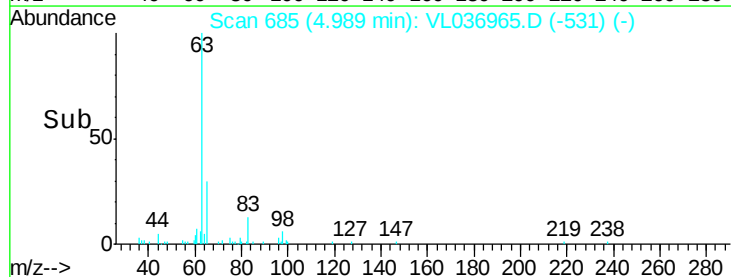
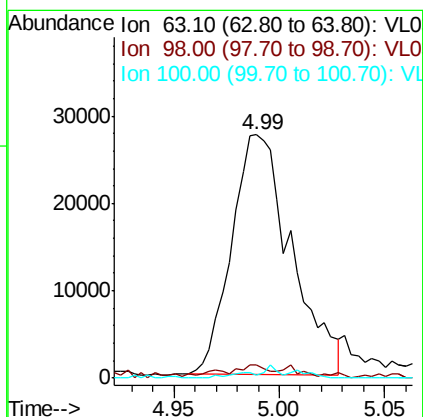
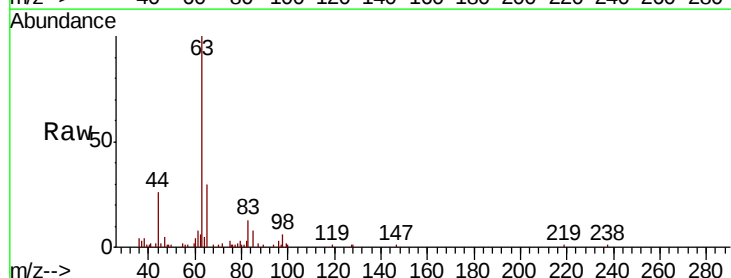
RT: 4.99 min Scan# 685

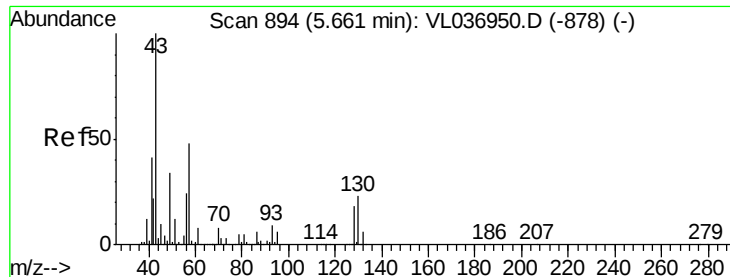
Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		54147		
98	4.1	2.3	6.9		
100	1.4	1.4	4.0		





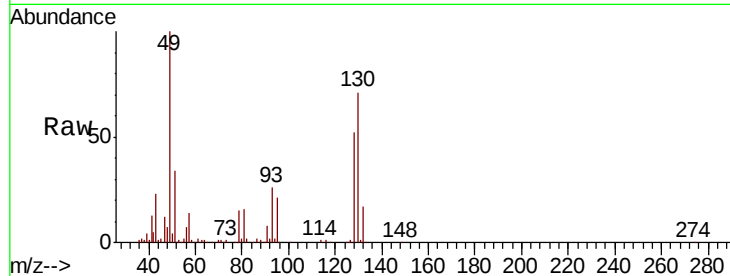
#25
Ethyl Acetate
Concen: 0.423 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

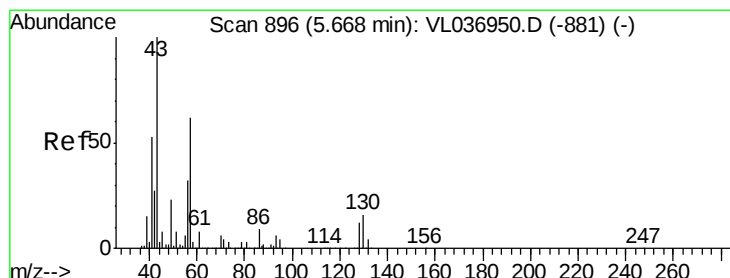
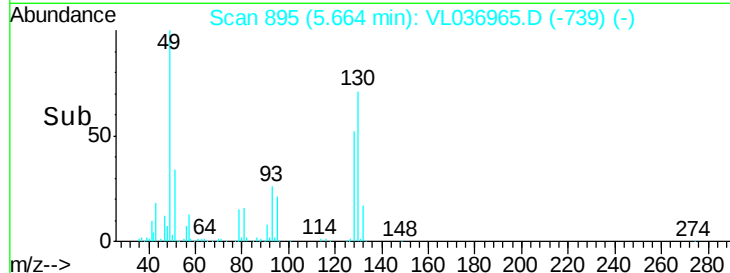
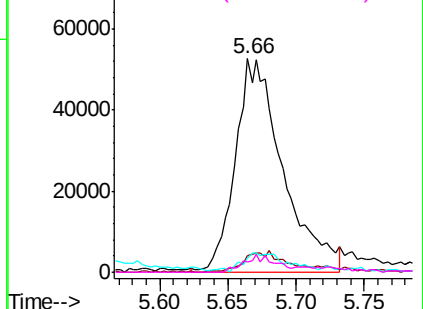
Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.9	7.8	11.8		
61	10.5	7.8	11.8		
70	7.9	5.6	8.4		

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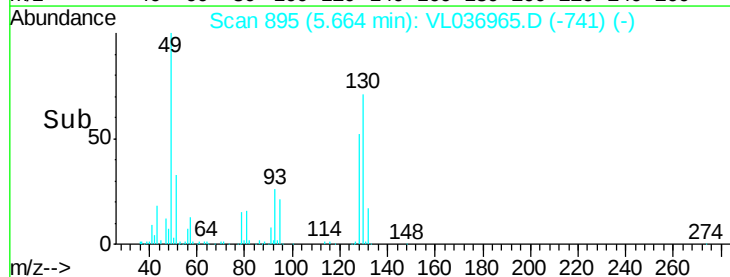
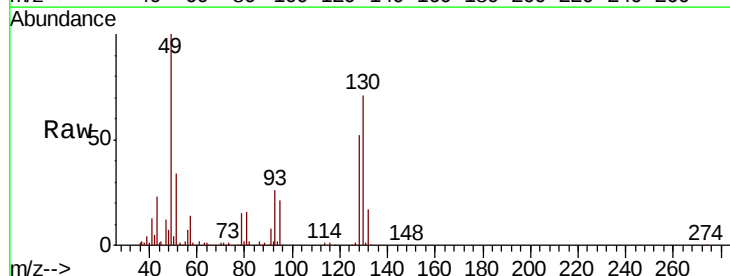
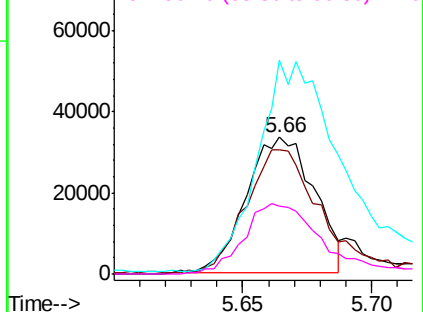
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

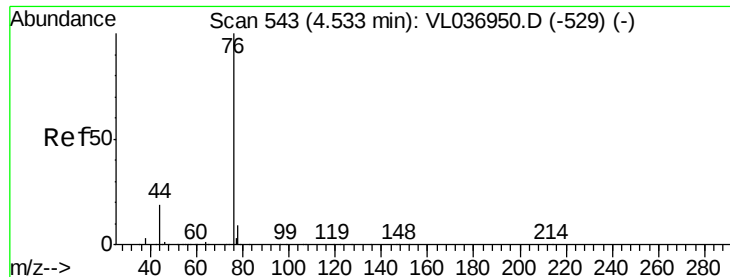


#26
Hexane
Concen: 0.397 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	108.1	70.5	105.7#		
43	224.2	165.8	248.8		
56	62.3	42.2	63.4		

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.350 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

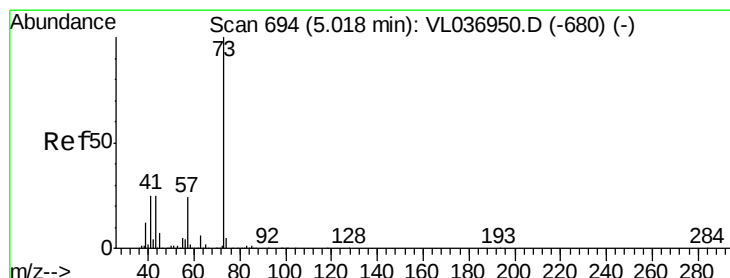
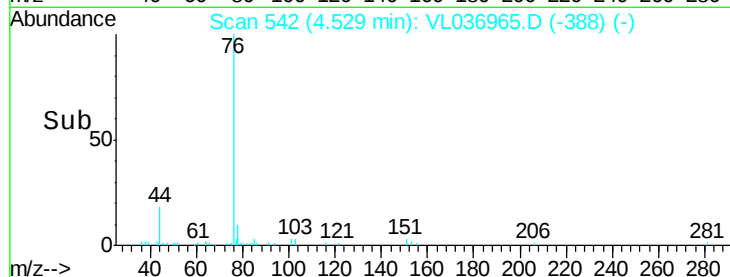
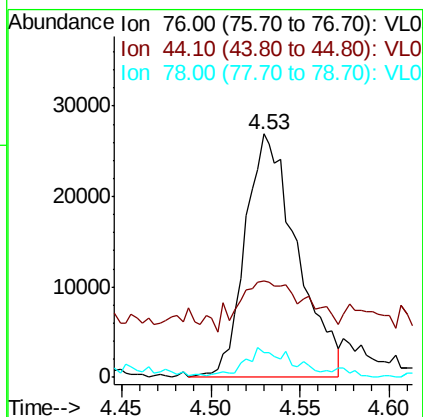
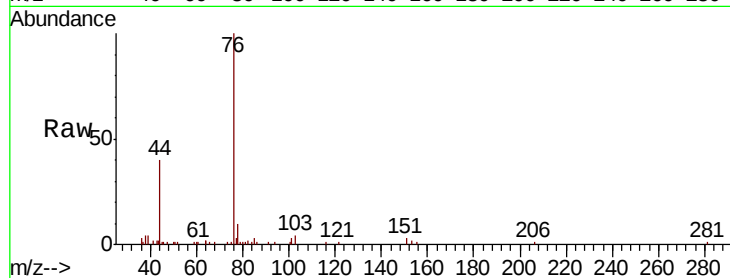
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	76	Resp:	54553
Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.5	23.3
78	12.7	7.8	11.6#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.384 ppbv

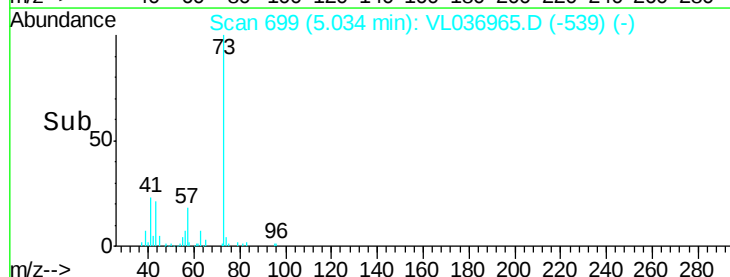
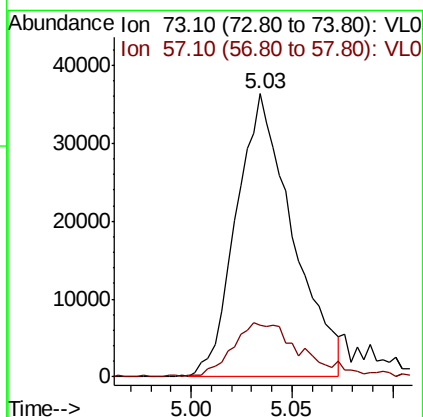
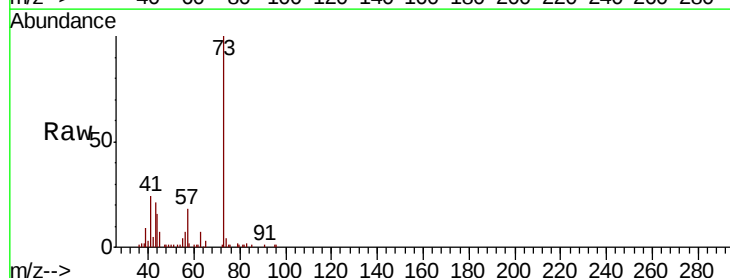
RT: 5.03 min Scan# 699

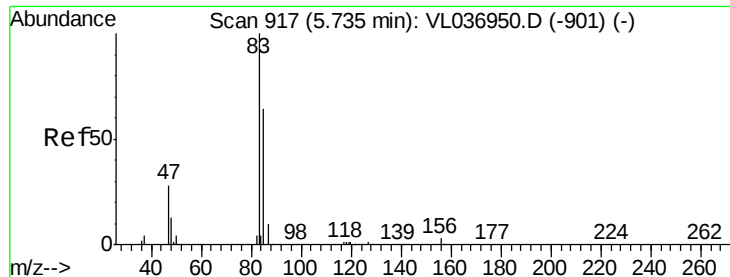
Delta R.T. 0.02 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:	73	Resp:	71124
Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.3	27.5





#29

Chloroform

Concen: 0.462 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 83 Resp: 100894

Ion Ratio Lower Upper

83 100

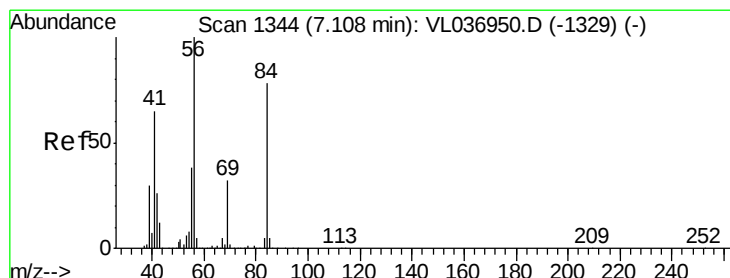
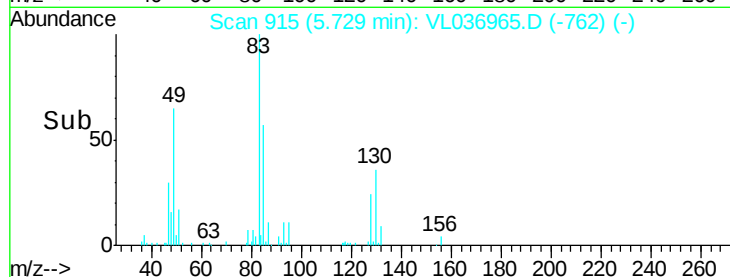
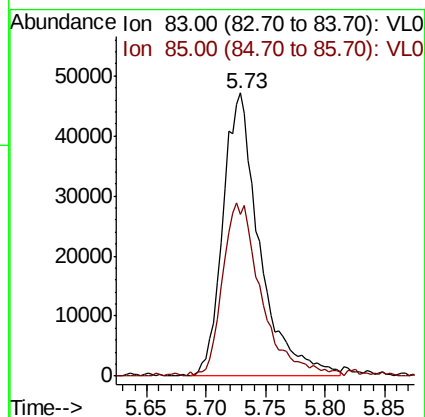
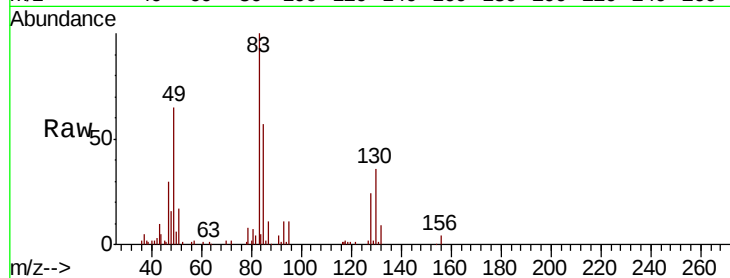
85 55.9 51.1 76.7

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#30

Cyclohexane

Concen: 0.478 ppbv m

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

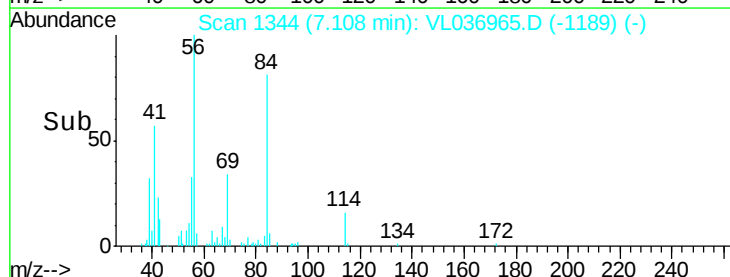
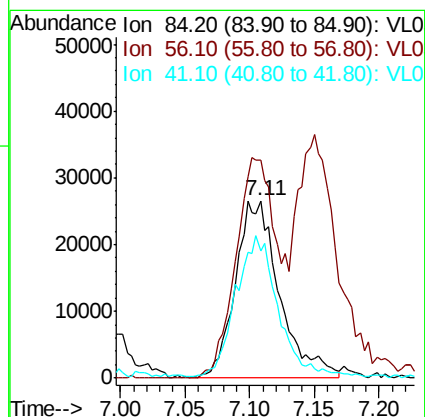
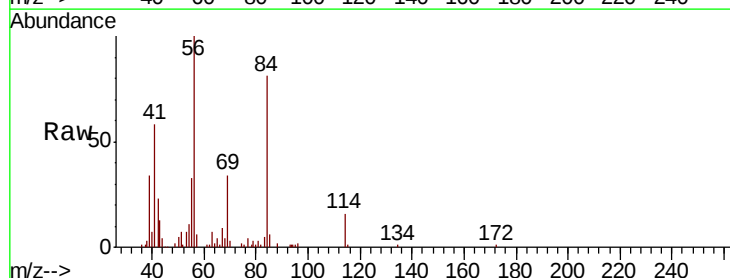
Tgt Ion: 84 Resp: 62860

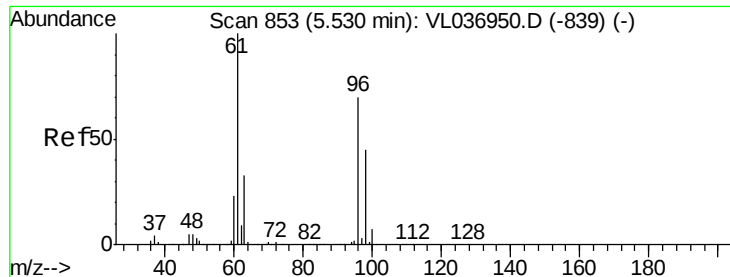
Ion Ratio Lower Upper

84 100

56 0.0 107.9 161.9#

41 0.0 65.5 98.3#





#31

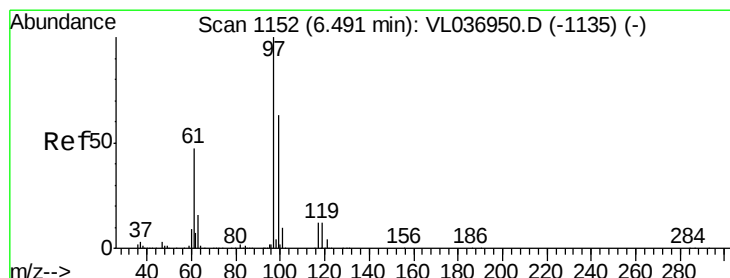
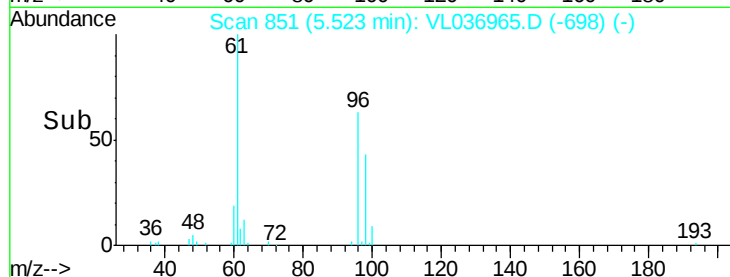
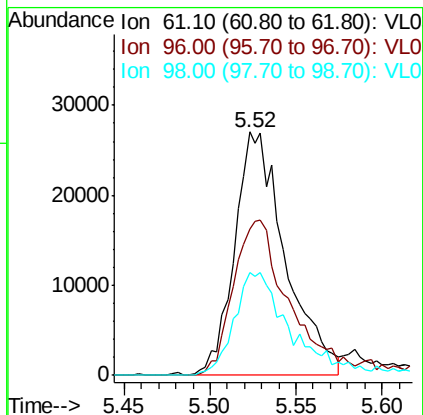
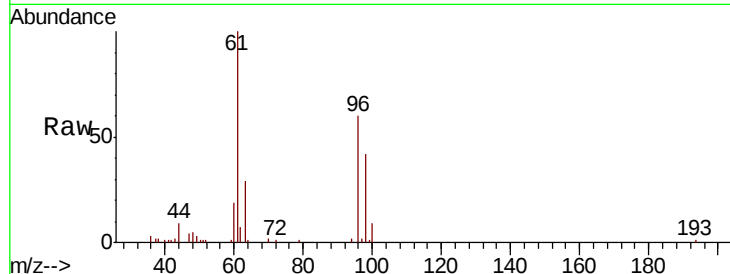
cis-1,2-Dichloroethene
Concen: 0.401 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		55586		
96	59.9		55.9	83.9	
98	42.0		35.6	53.4	

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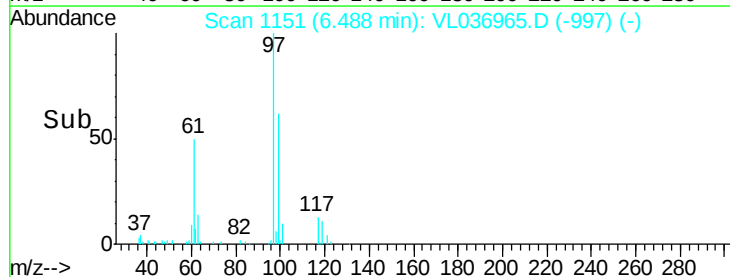
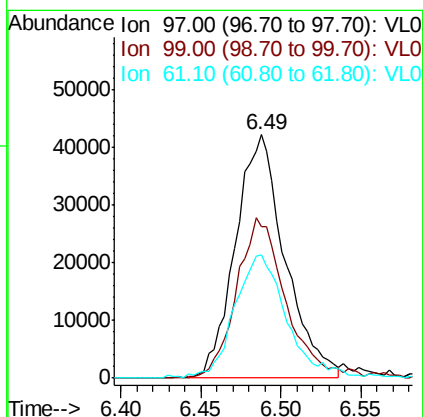
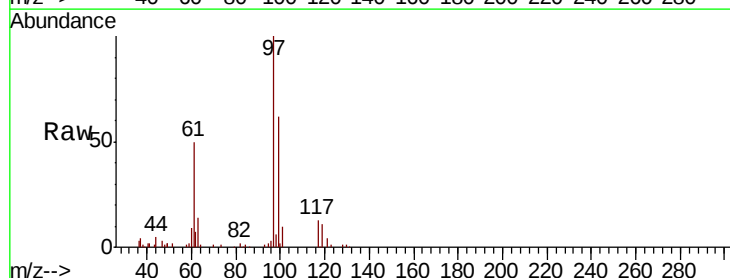
MMDadoda
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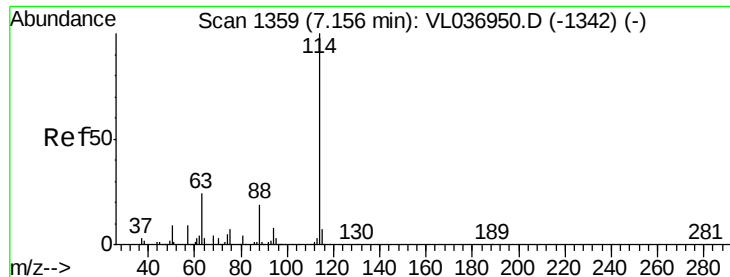


#32

1,1,1-Trichloroethane
Concen: 0.381 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		89429		
99	66.7		51.9	77.9	
61	54.4		37.6	56.4	





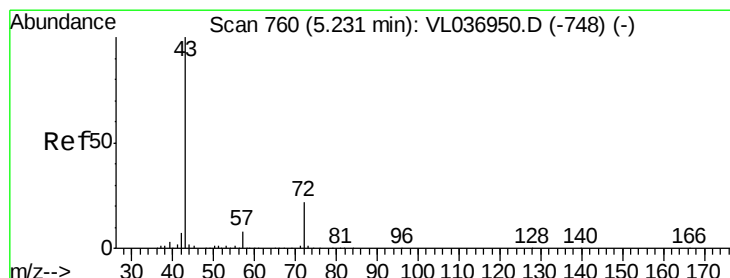
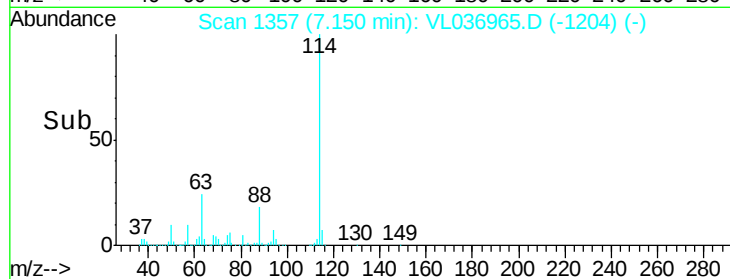
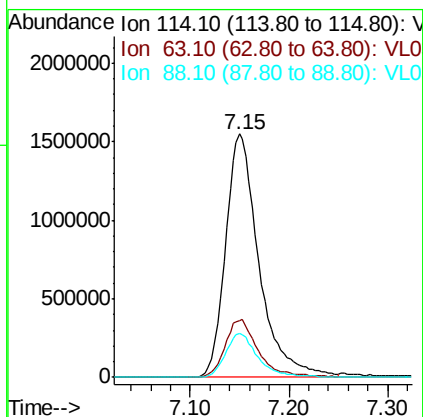
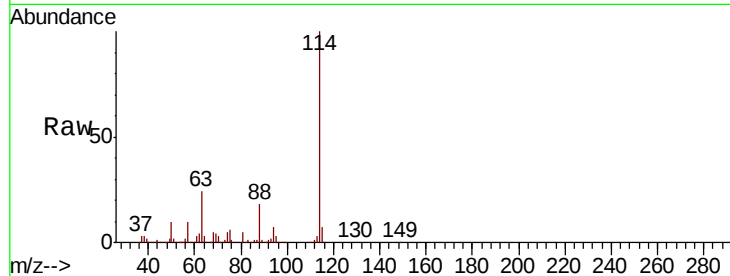
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.6	29.4
88	18.0	14.6	21.8

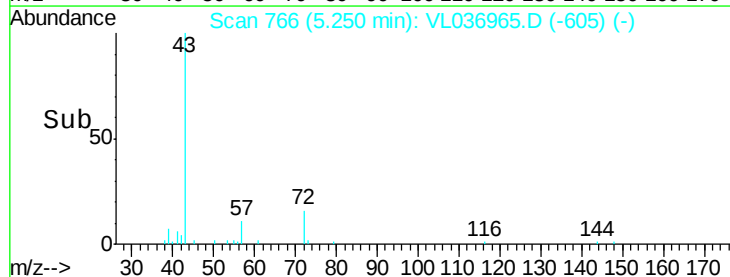
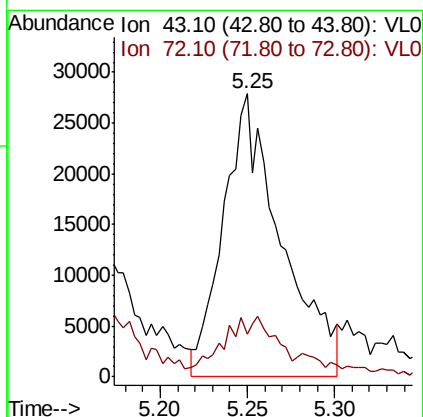
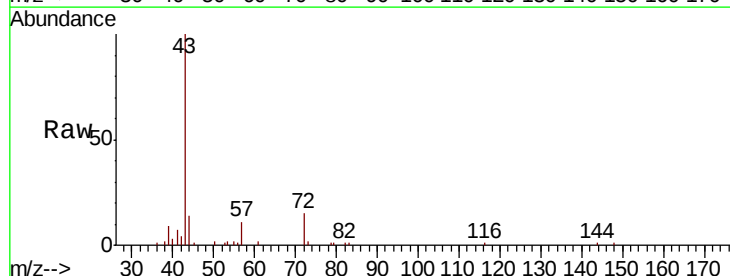
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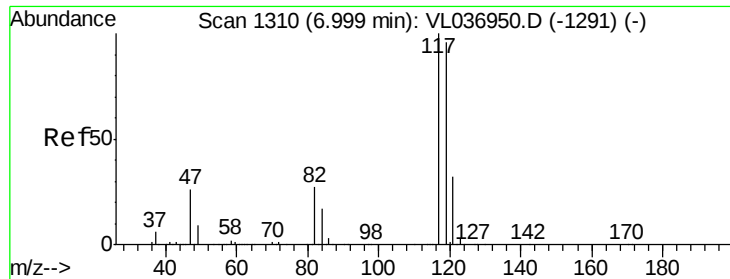
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#34
 2-Butanone
 Concen: 0.481 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





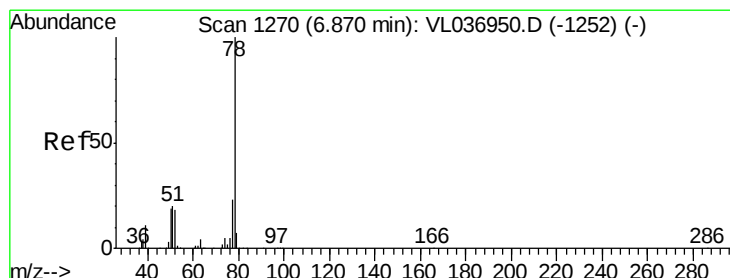
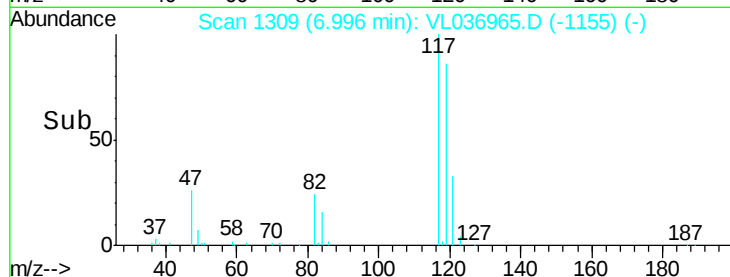
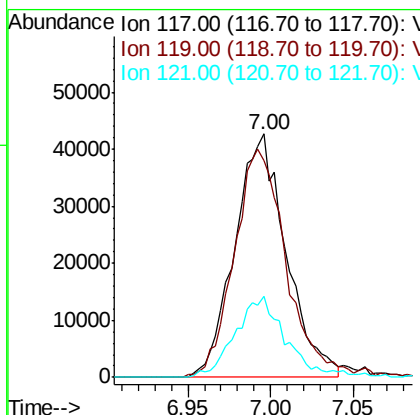
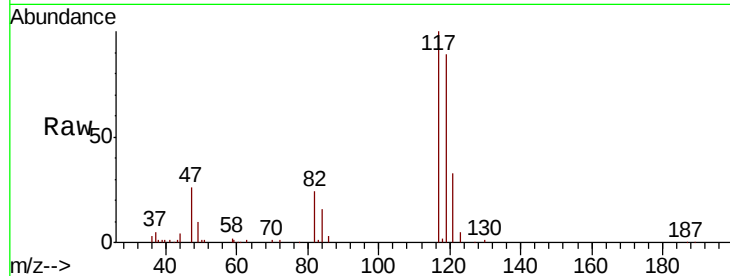
#35
Carbon Tetrachloride
Concen: 0.377 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.0	76.6	114.8
121	33.4	25.8	38.6

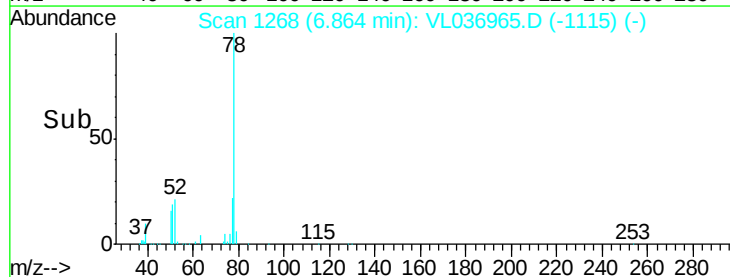
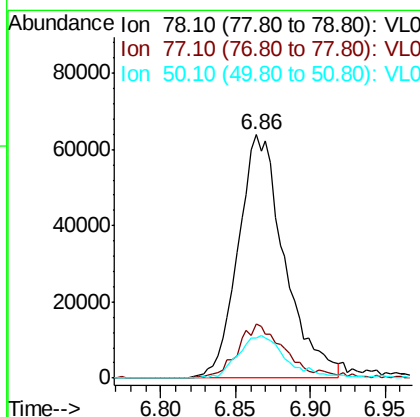
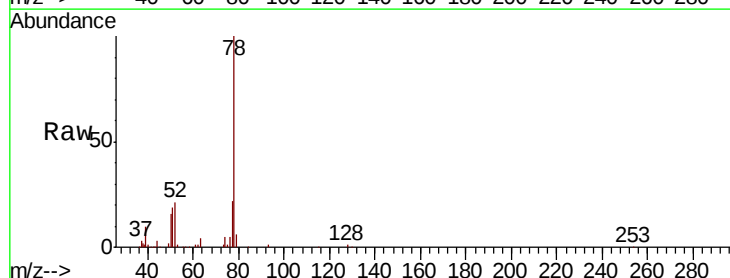
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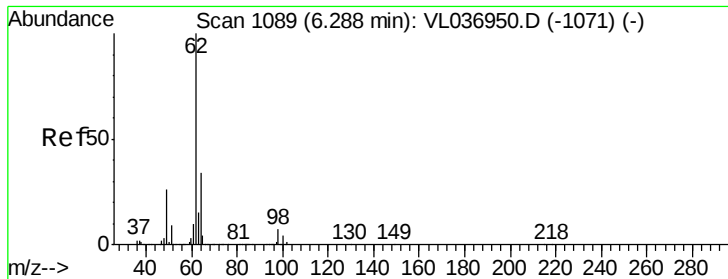
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#36
Benzene
Concen: 0.434 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.6	28.0
50	16.5	15.0	22.4





#37

1,2-Dichloroethane

Concen: 0.397 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

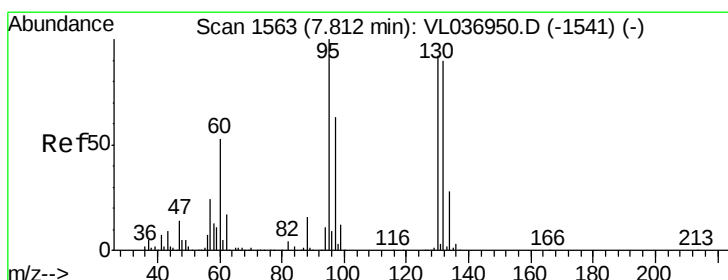
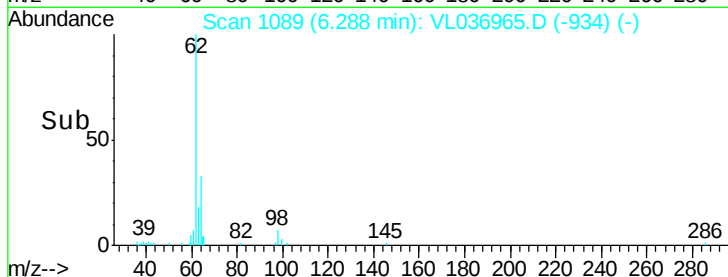
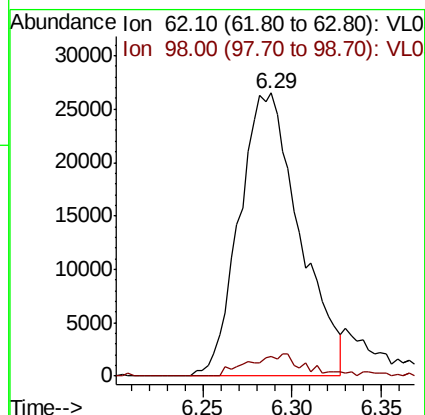
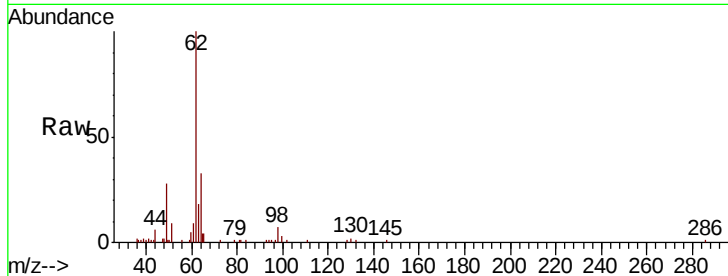
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	62	Resp:	62295
Ion Ratio	Lower	Upper	
62	100		
98	7.9	5.5	8.3

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#38

Trichloroethene

Concen: 0.378 ppbv

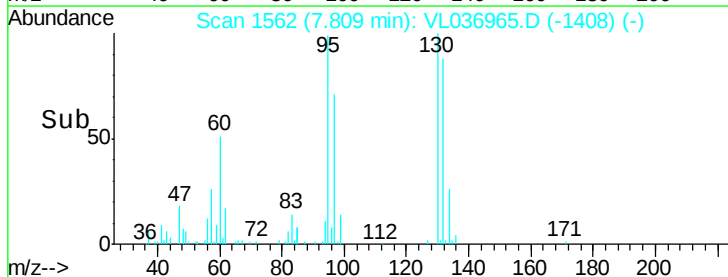
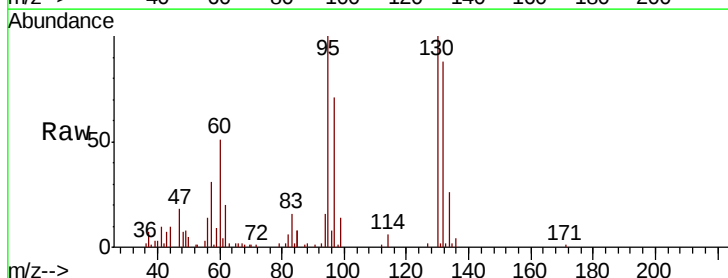
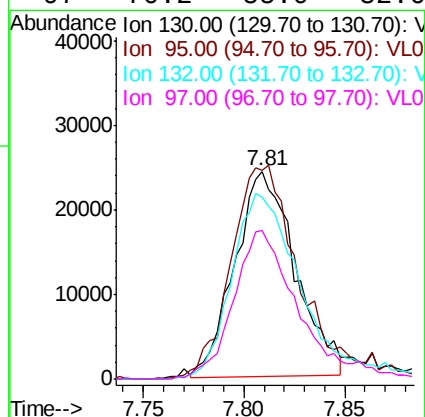
RT: 7.81 min Scan# 1562

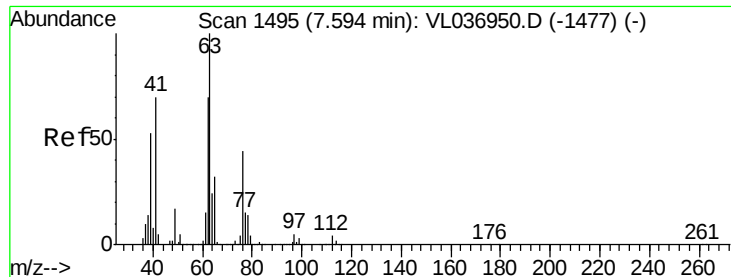
Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:	130	Resp:	51081
Ion Ratio	Lower	Upper	
130	100		
95	97.6	86.9	130.3
132	89.5	78.4	117.6
97	70.2	55.0	82.6





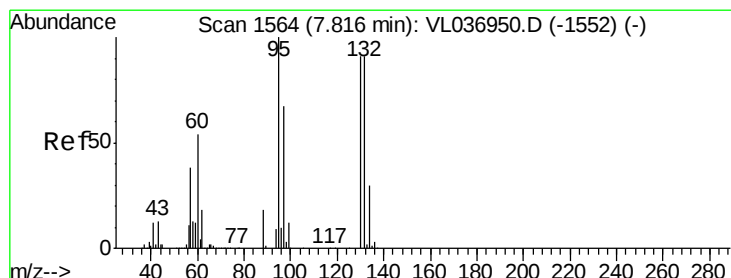
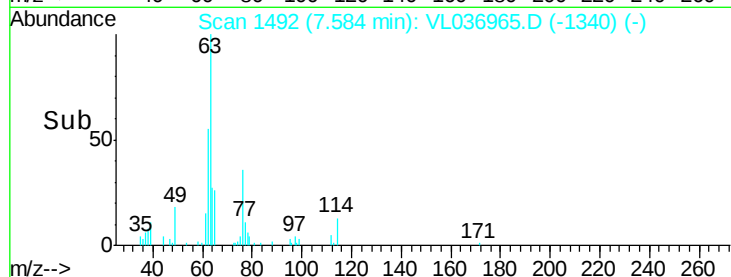
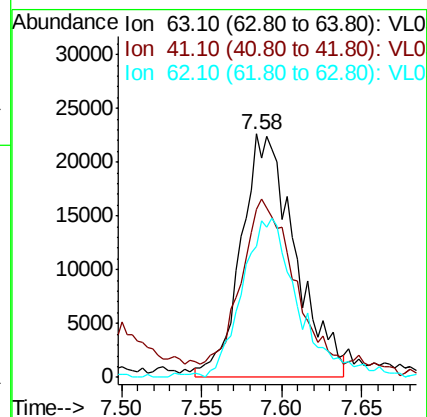
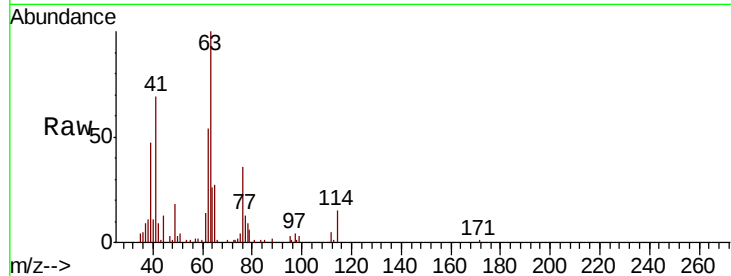
#39
 1,2-Dichloropropane
 Concen: 0.437 ppbv m
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion:	63	Resp:	53277
Ion	Ratio	Lower	Upper
63	100		
41	69.2	55.7	83.5
62	53.7	56.2	84.4#

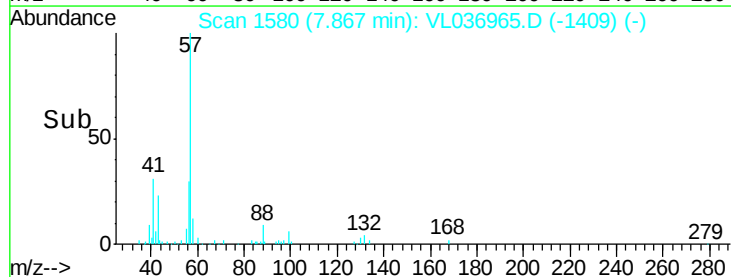
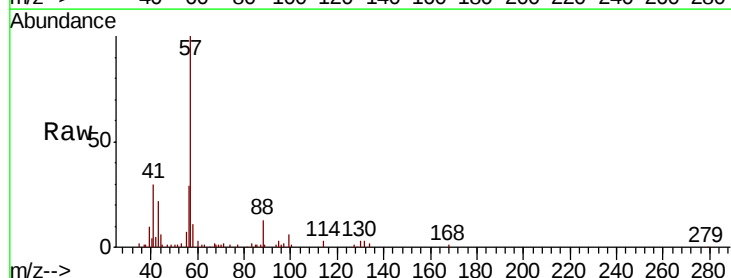
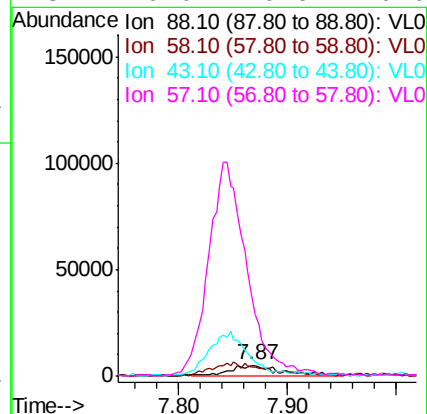
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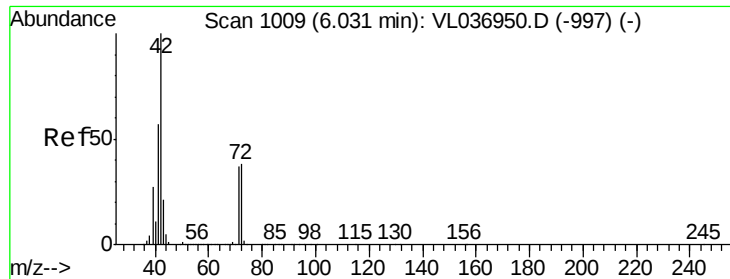
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#40
 1,4-Dioxane
 Concen: 0.602 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.05 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion:	88	Resp:	17301
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: 0.376 ppbv m

RT: 6.06 min Scan# 1018

Delta R.T. 0.03 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

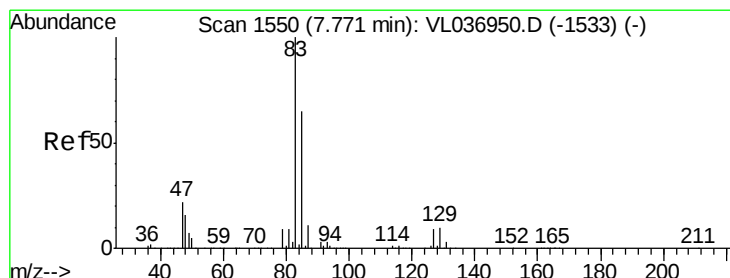
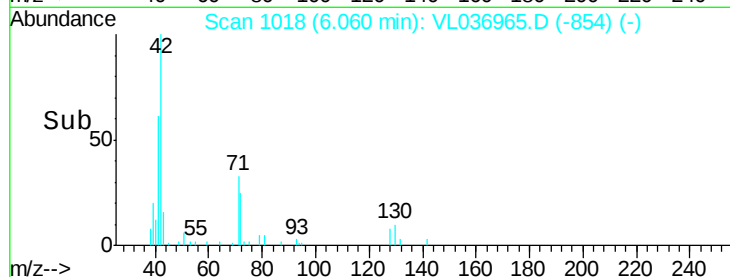
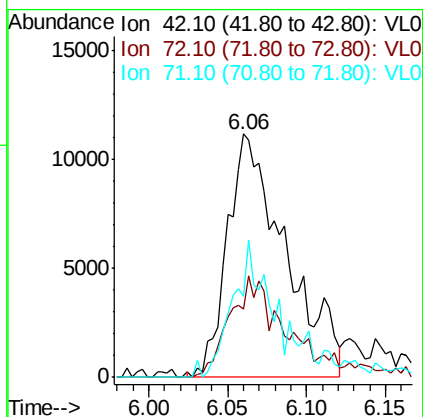
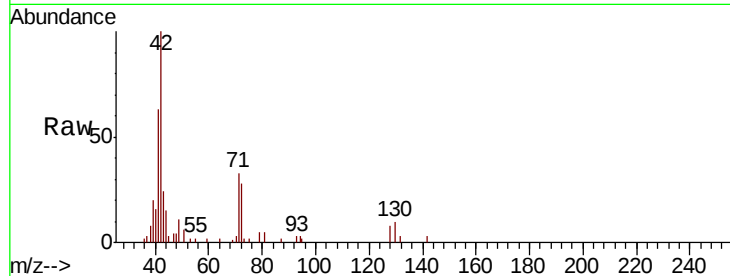
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	31.4	47.2
71	49.6	30.4	45.6#

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#42

Bromodichloromethane

Concen: 0.369 ppbv

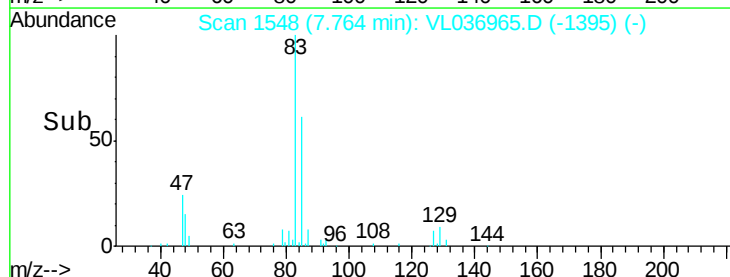
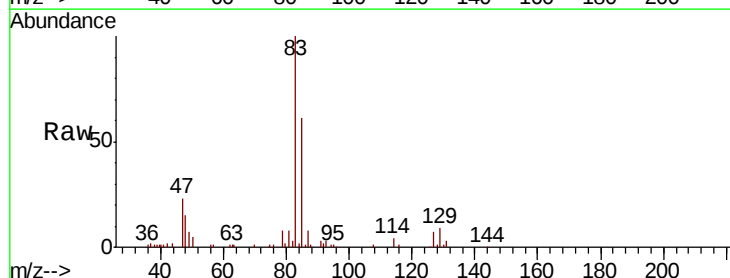
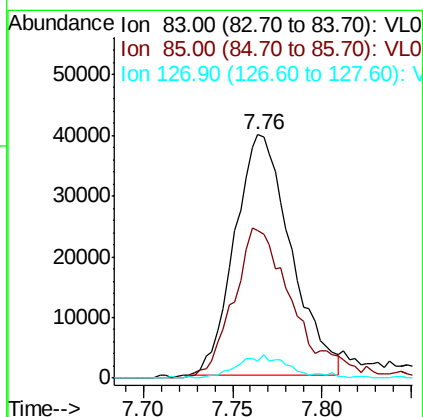
RT: 7.76 min Scan# 1548

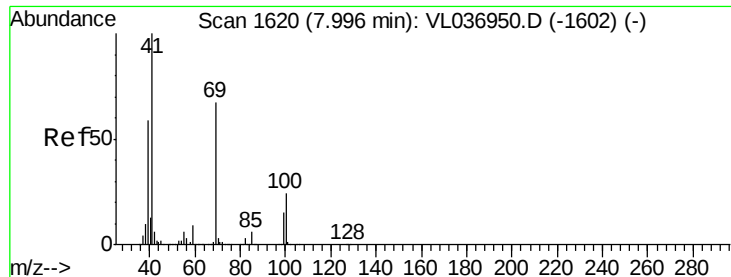
Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.7	77.5
127	6.8	6.9	10.3#





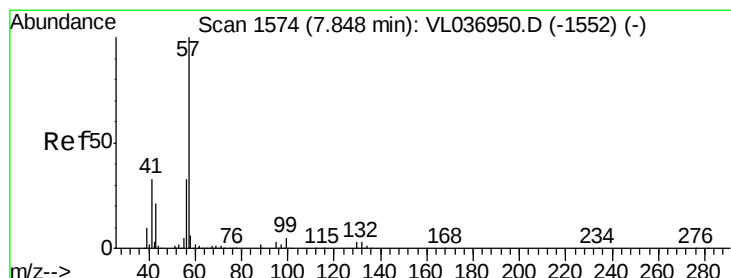
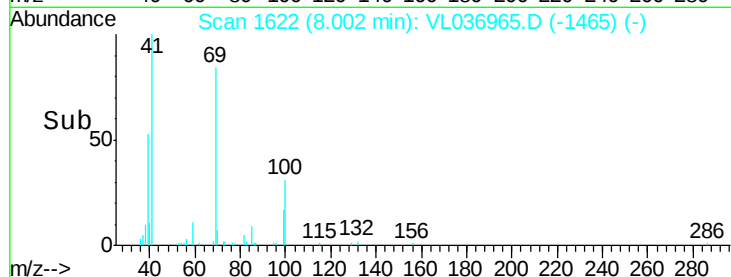
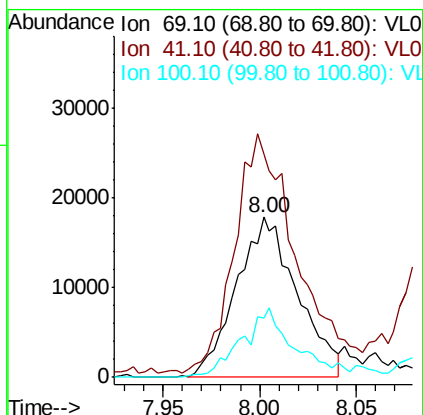
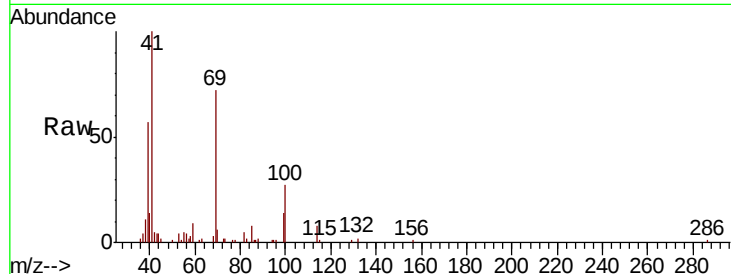
#43
Methvl Methacrilate
Concen: 0.360 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.5	118.6	178.0
100	37.9	28.2	42.4

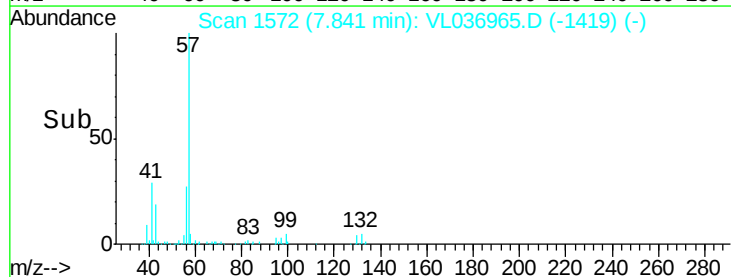
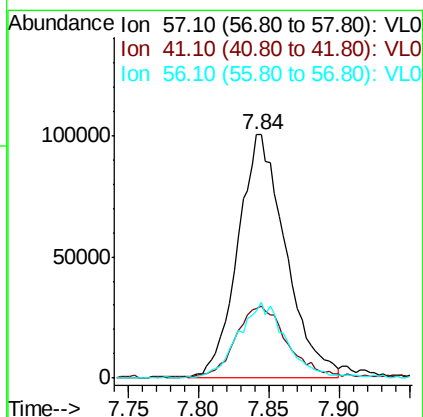
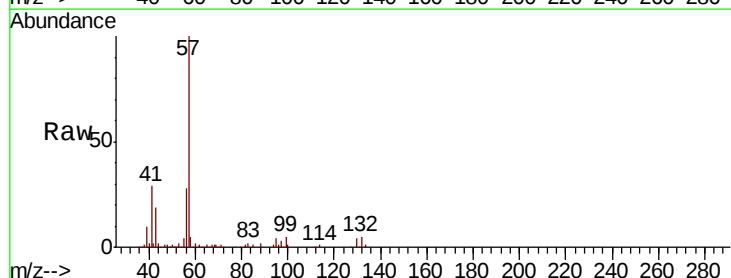
Manual Integrations
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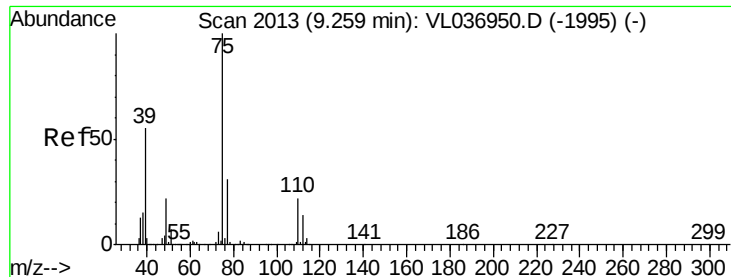
MMDadoda
5/20/2021 5:55:06 PM



#44
2,2,4-Trimethylpentane
Concen: 0.435 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	27.0	40.4
56	32.6	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.306 ppbv m

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 75 Resp: 25478

Ion Ratio Lower Upper

75 100

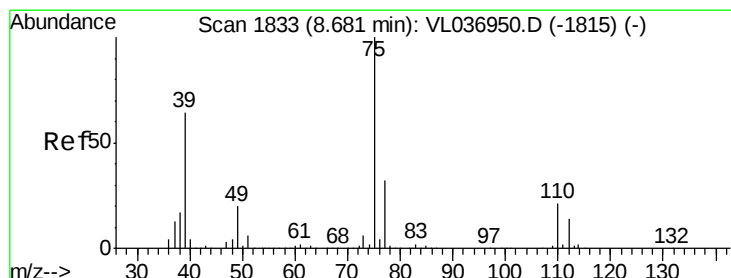
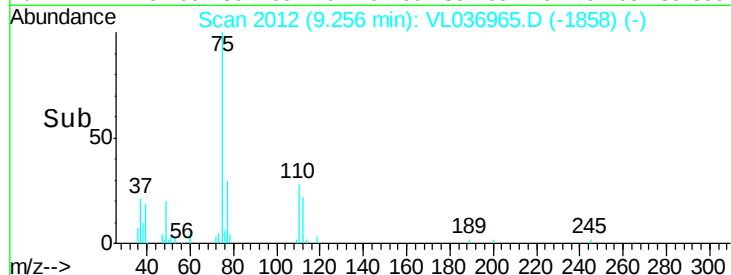
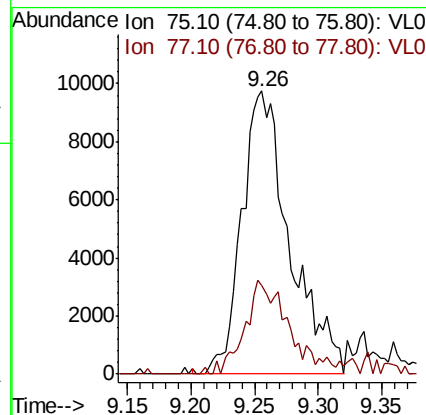
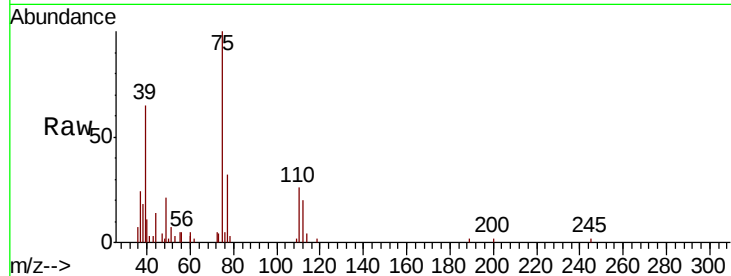
77 31.6 24.4 36.6

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.302 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

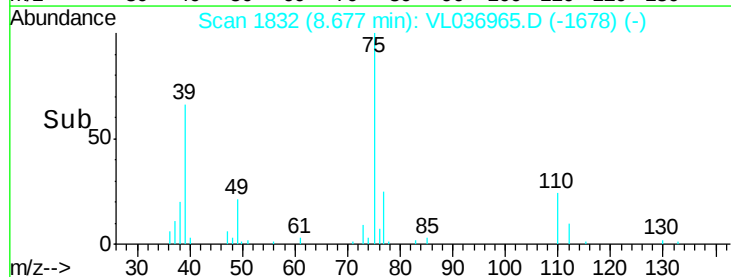
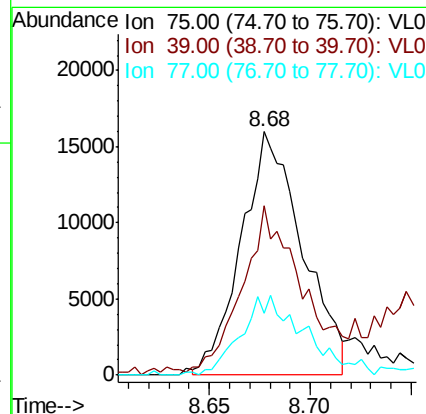
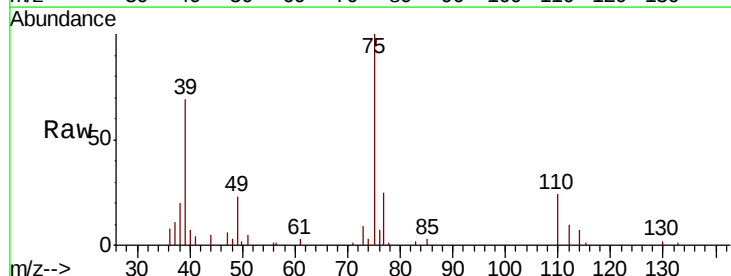
Tgt Ion: 75 Resp: 33798

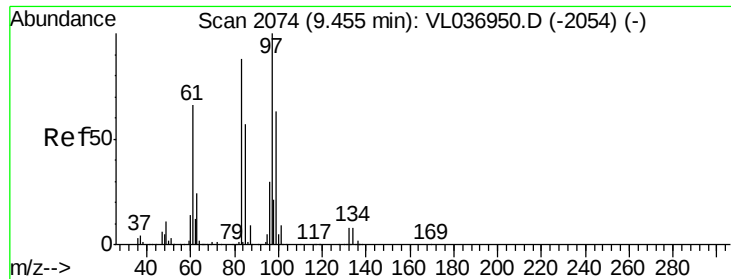
Ion Ratio Lower Upper

75 100

39 67.7 51.5 77.3

77 26.3 25.9 38.9





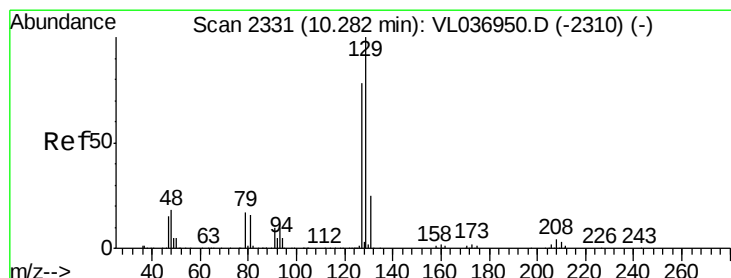
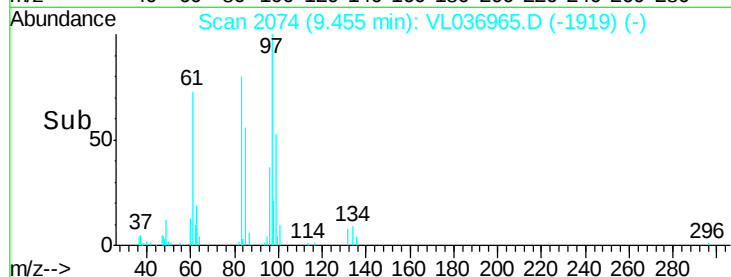
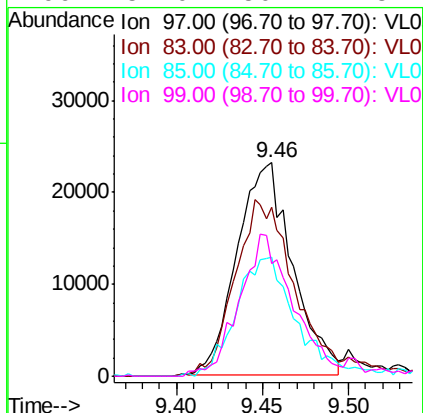
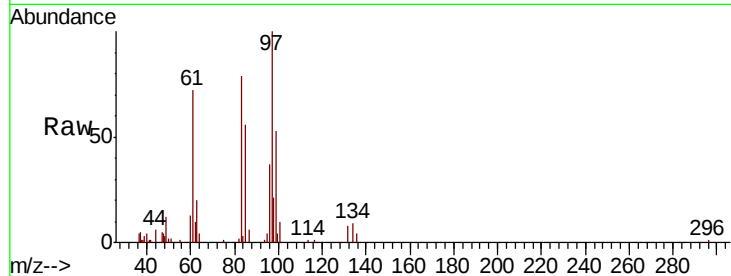
#47
 1,1,2-Trichloroethane
 Concen: 0.406 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion:	97	Resp:	51716
Ion	Ratio	Lower	Upper
97	100		
83	78.5	70.4	105.6
85	55.1	45.5	68.3
99	51.0	50.2	75.2

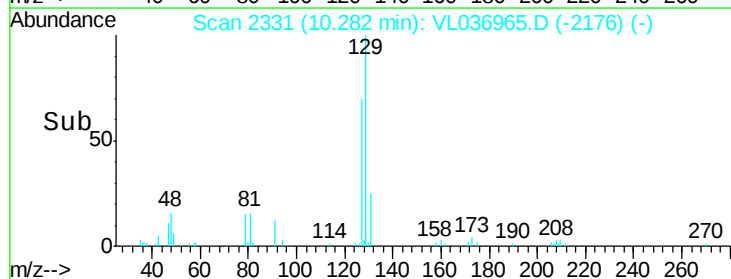
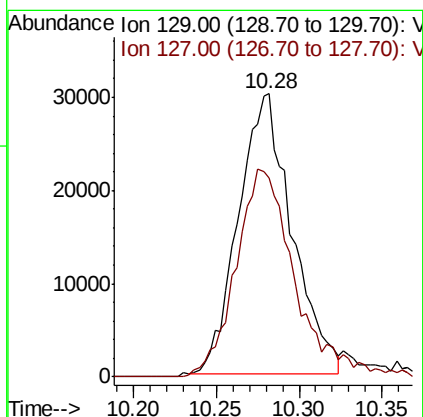
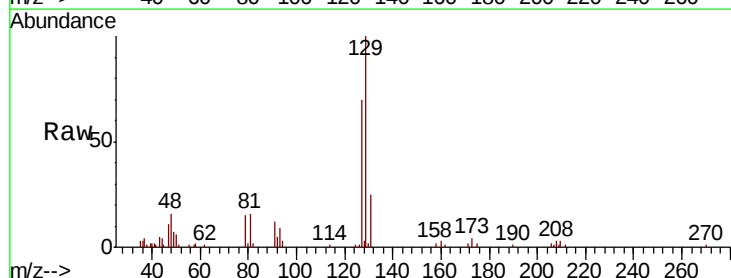
Manual Integrations
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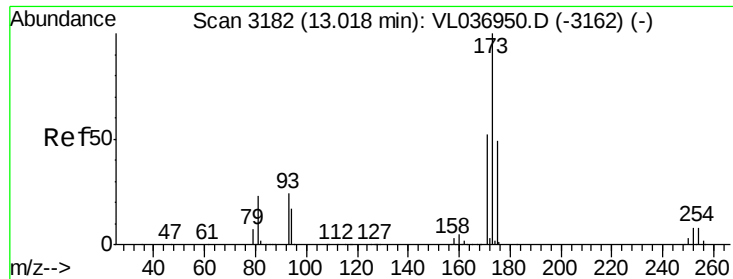
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.327 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion:	129	Resp:	67478
Ion	Ratio	Lower	Upper
129	100		
127	81.0	39.3	117.8





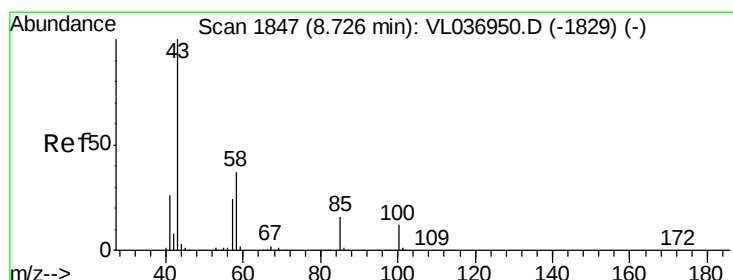
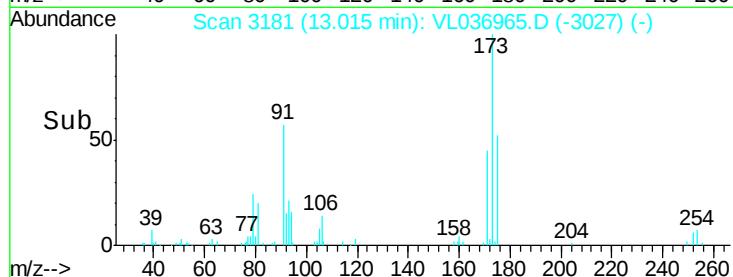
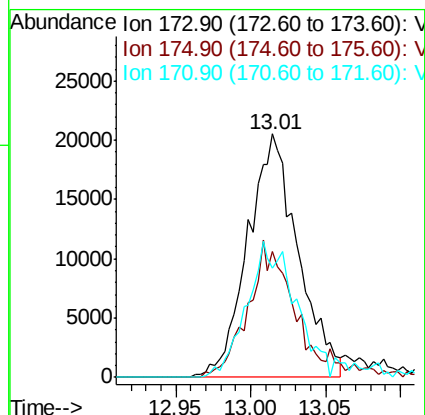
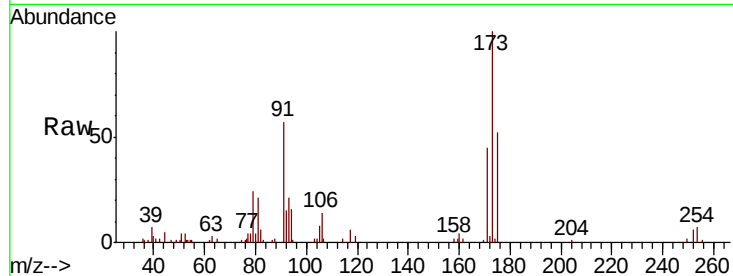
#49
Bromoform
Concen: 0.281 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion:173 Resp: 47979
Ion Ratio Lower Upper
173 100
175 55.2 40.4 60.6
171 58.2 42.6 64.0

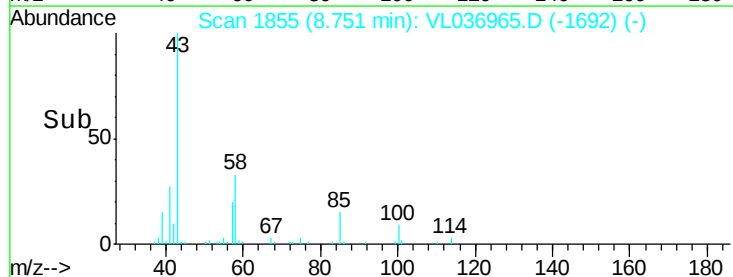
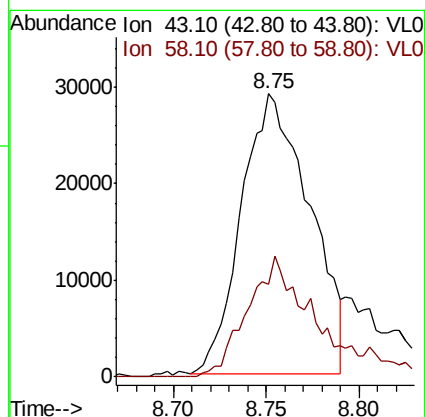
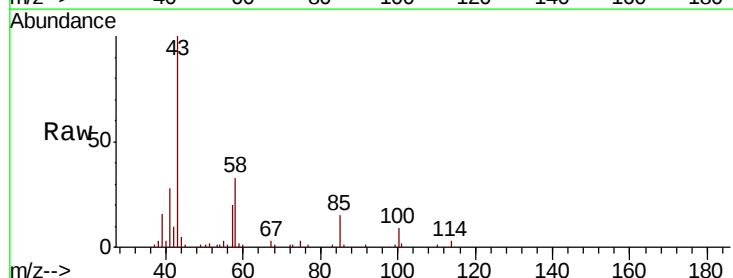
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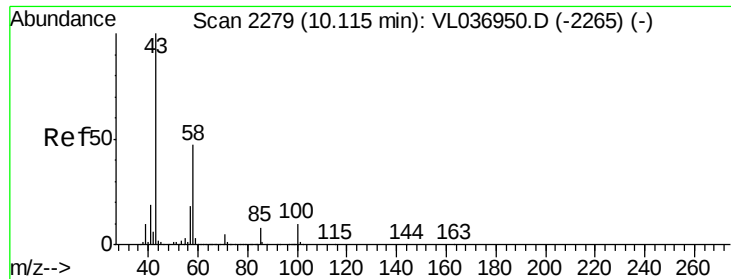
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 0.336 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.03 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion: 43 Resp: 74120
Ion Ratio Lower Upper
43 100
58 46.2 29.4 44.2#





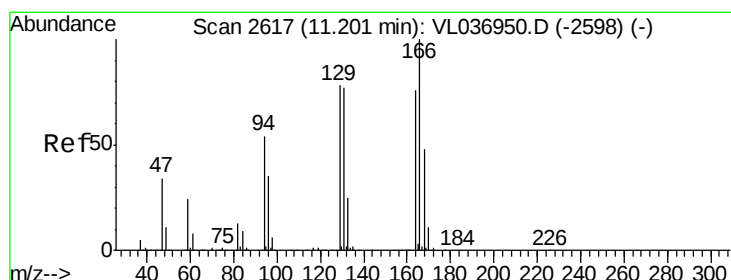
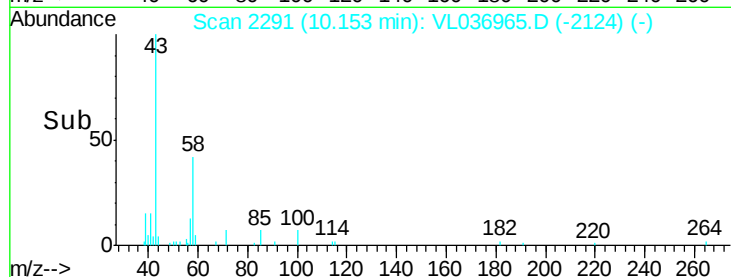
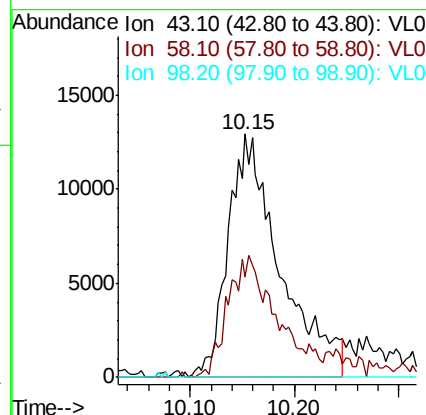
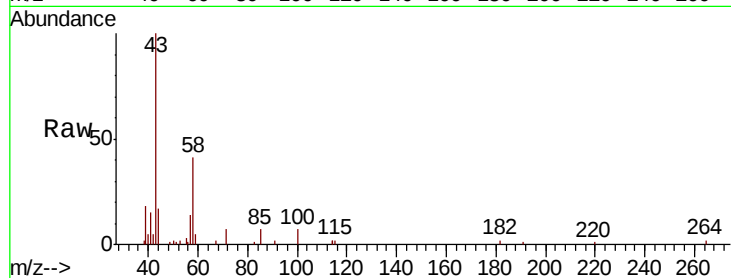
#51
2-Hexanone
Concen: 0.383 ppbv m
RT: 10.15 min Scan# 2291
Delta R.T. 0.04 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.1	61.7#
98	0.0	0.1	0.1#

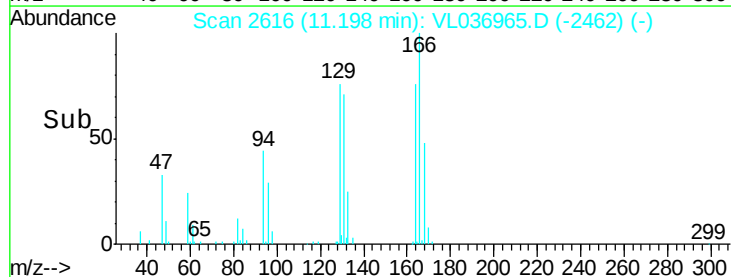
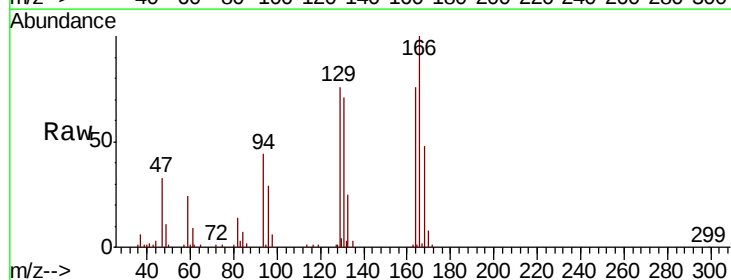
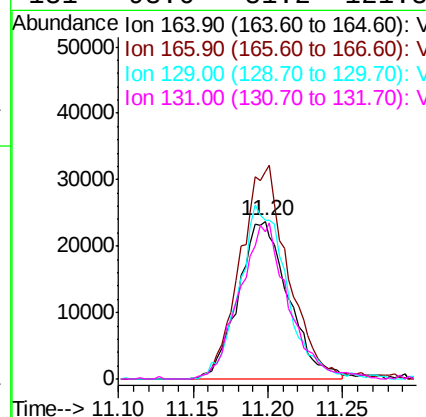
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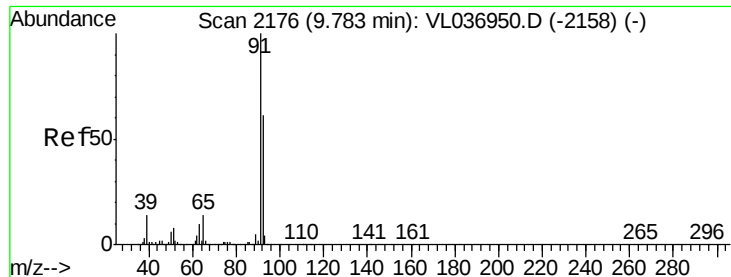
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5/20/2021 5:55:06 PM



#52
Tetrachloroethene
Concen: 0.439 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	105.5	158.3
129	99.7	81.8	122.8
131	93.6	81.2	121.8





#53

Toluene

Concen: 0.427 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 160503

Ion Ratio Lower Upper

91 100

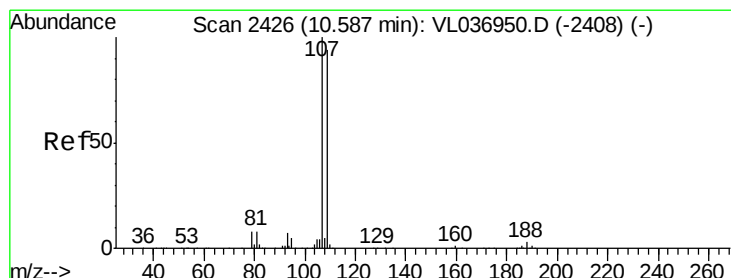
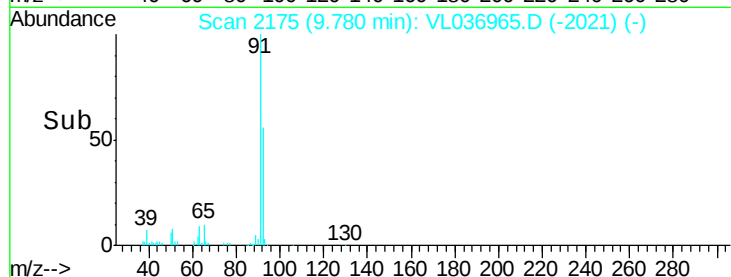
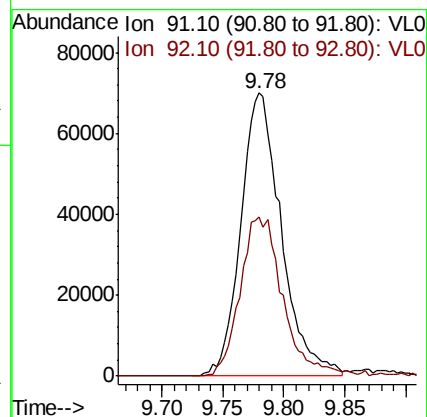
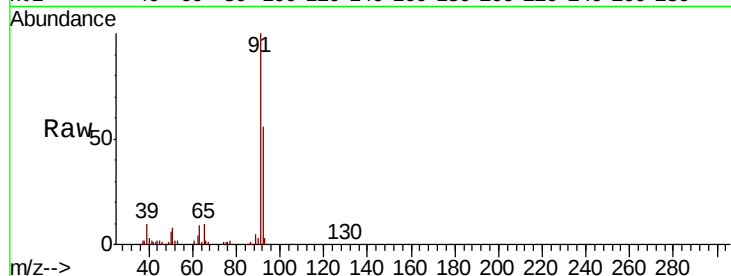
92 60.0 49.5 74.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.407 ppbv m

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL036965.D

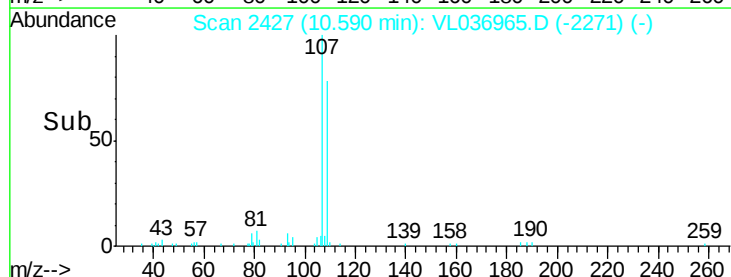
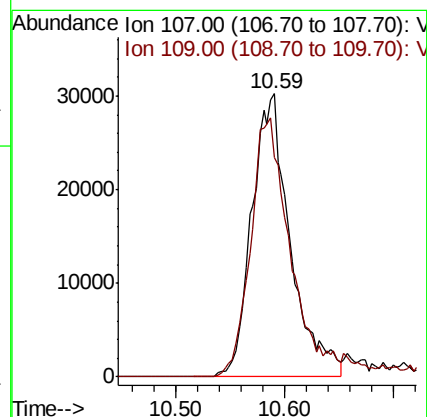
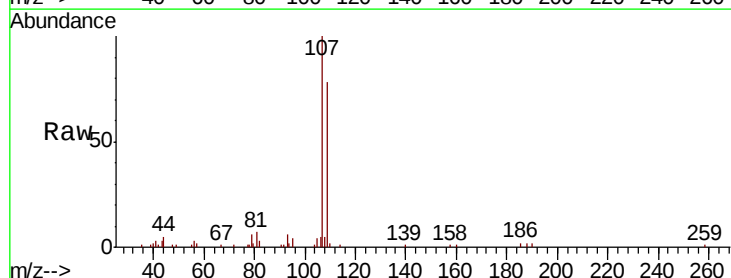
Acq: 18 May 2021 12:38

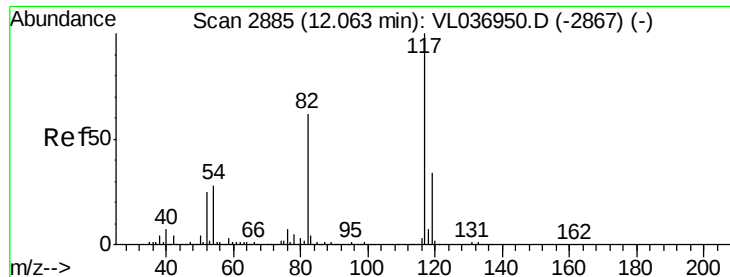
Tgt Ion: 107 Resp: 73815

Ion Ratio Lower Upper

107 100

109 77.6 75.0 112.4





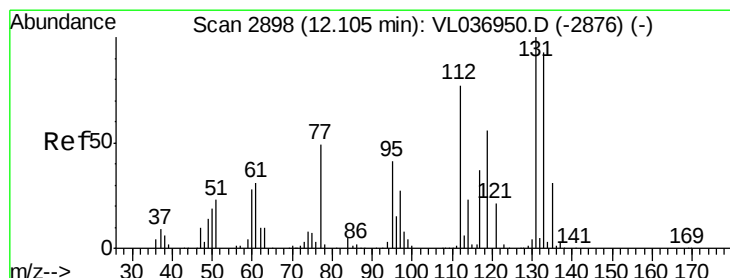
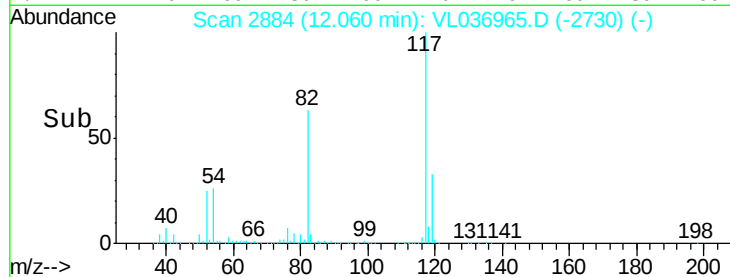
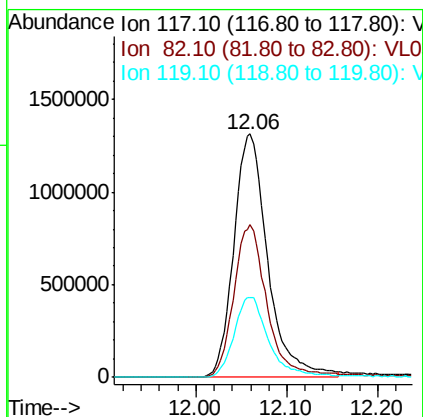
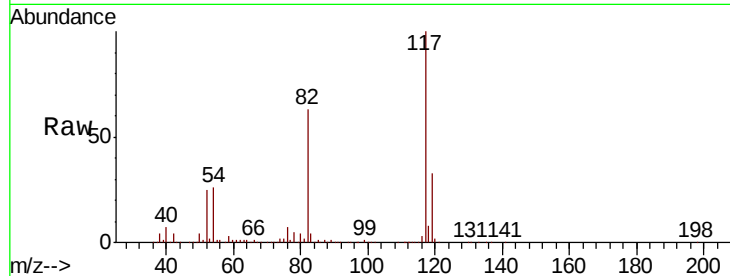
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion:117 Resp: 3413730
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 34.7 46.6 70.0#

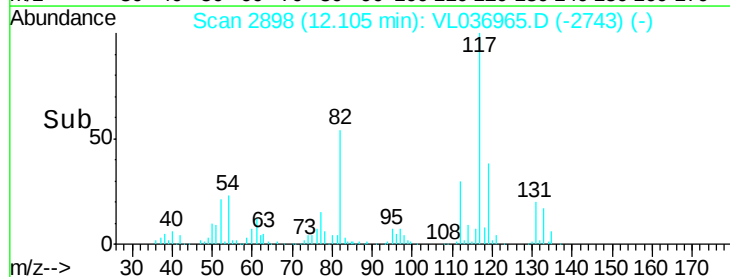
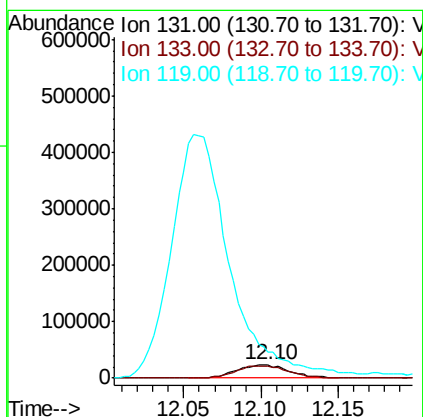
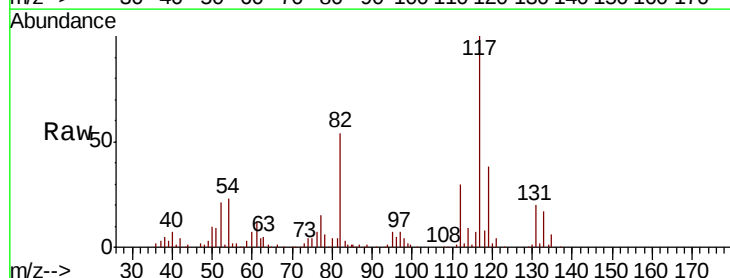
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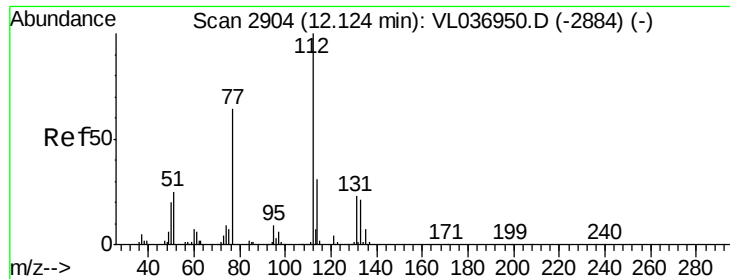
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.389 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion:131 Resp: 55946
Ion Ratio Lower Upper
131 100
133 96.2 76.9 115.3
119 2131.6 120.2 180.4#





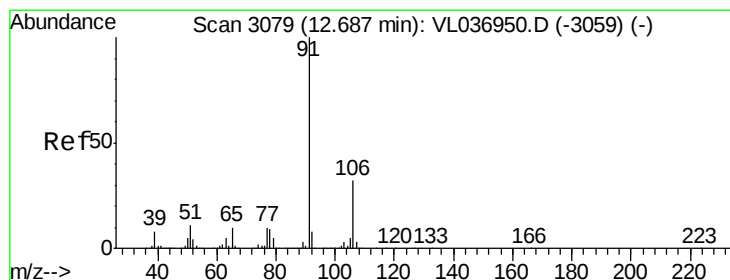
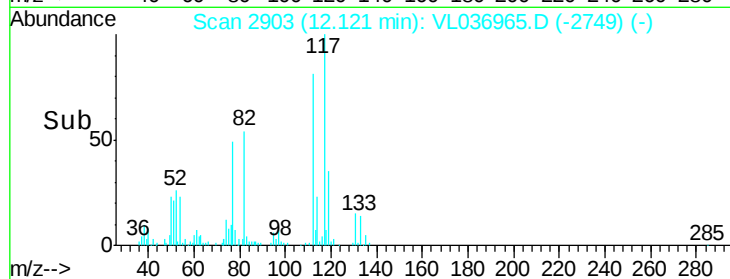
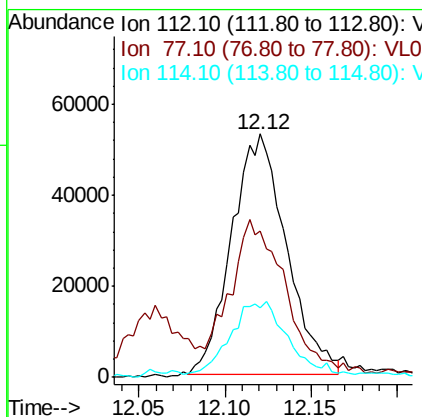
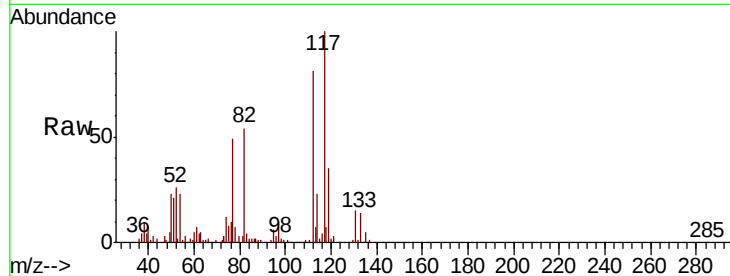
#57
Chlorobenzene
Concen: 0.440 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.3	51.0	76.6
114	27.4	28.3	34.5#

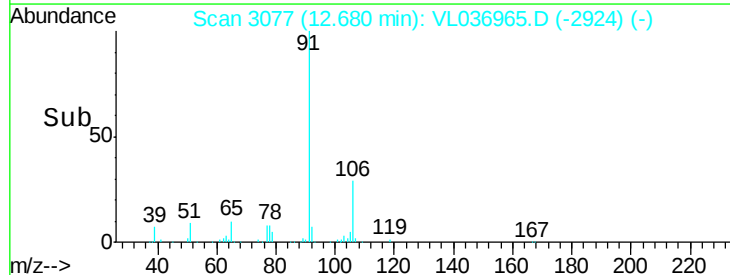
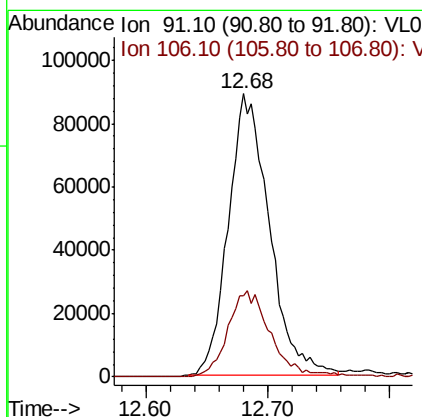
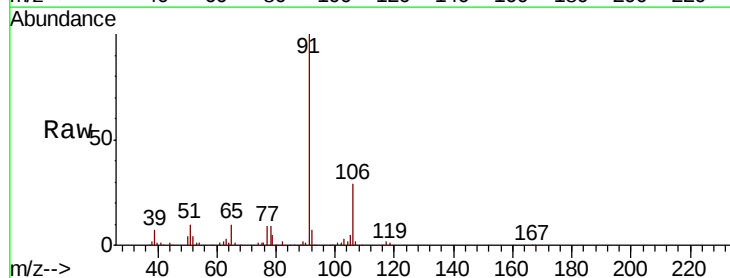
Manual Integrations
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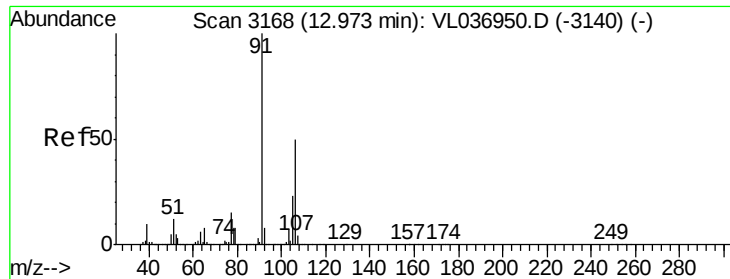
MMDadoda
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#58
Ethyl Benzene
Concen: 0.433 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	25.6	38.4





#59

m/p-Xylene

Concen: 0.889 ppbv m

RT: 12.96 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 354212

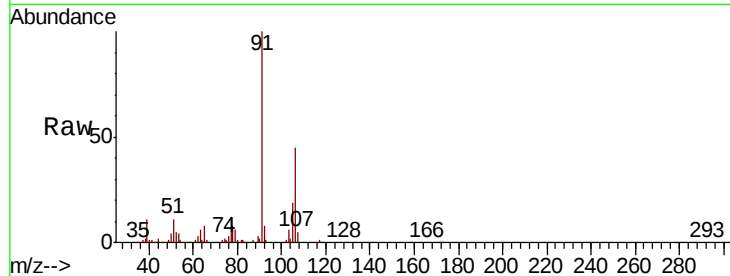
Ion Ratio Lower Upper

91 100

106 45.9 37.4 56.2

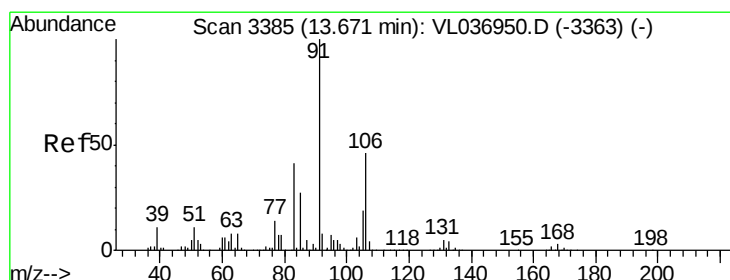
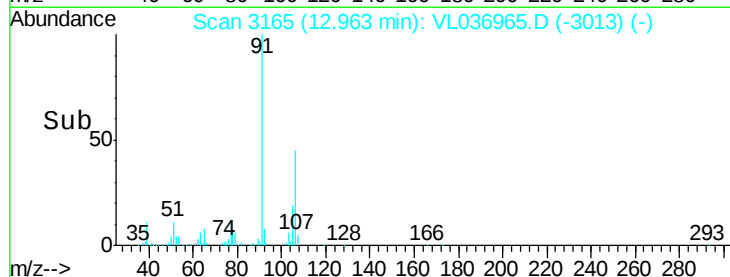
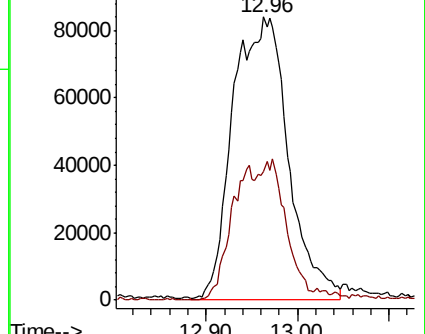
Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.446 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL036965.D

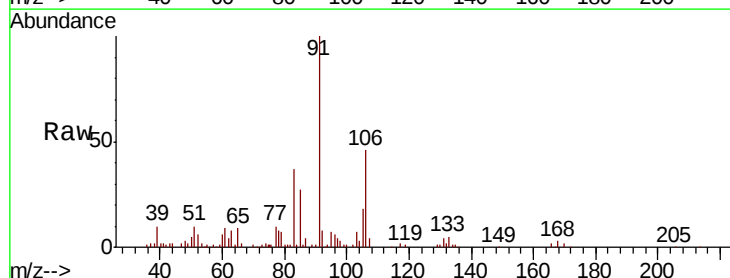
Acq: 18 May 2021 12:38

Tgt Ion: 91 Resp: 169397

Ion Ratio Lower Upper

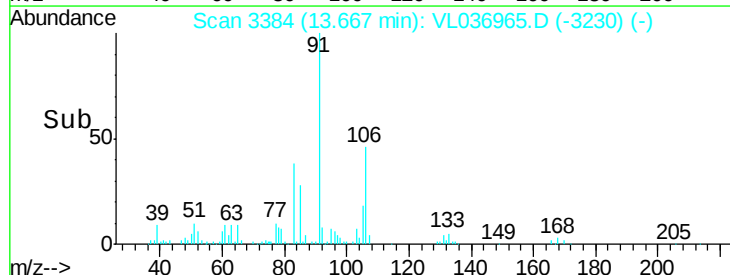
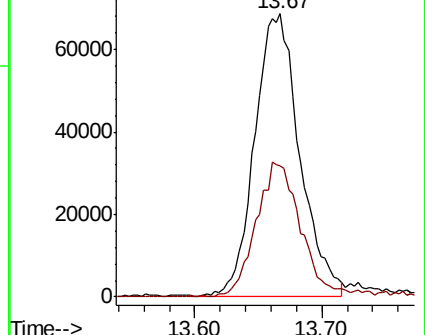
91 100

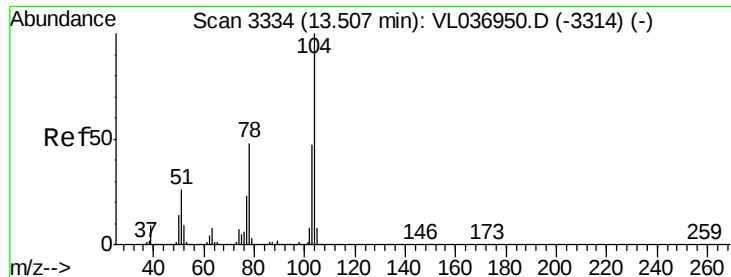
106 0.0 23.4 70.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





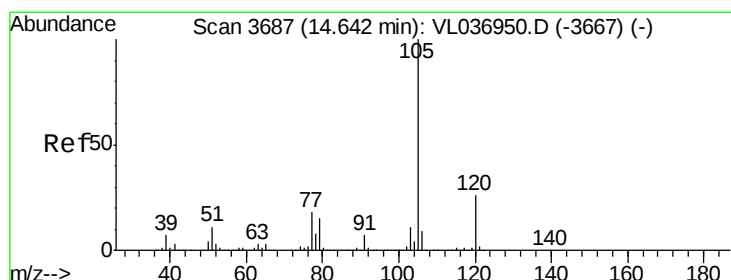
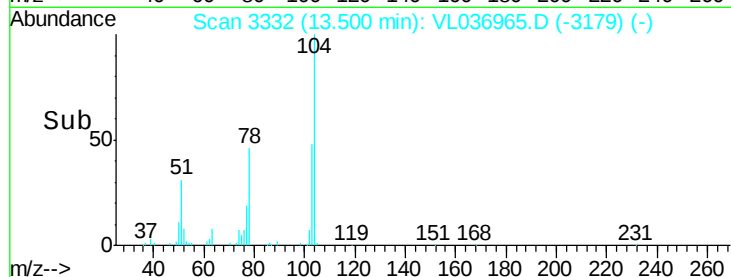
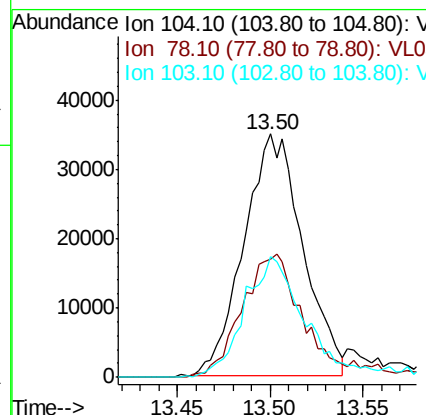
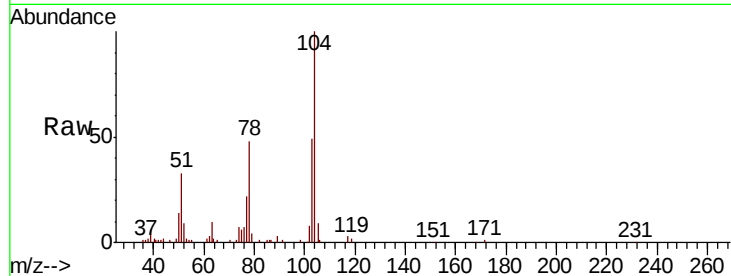
#61
Stvrene
Concen: 0.360 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	39.0	58.6
103	53.9	38.0	57.0

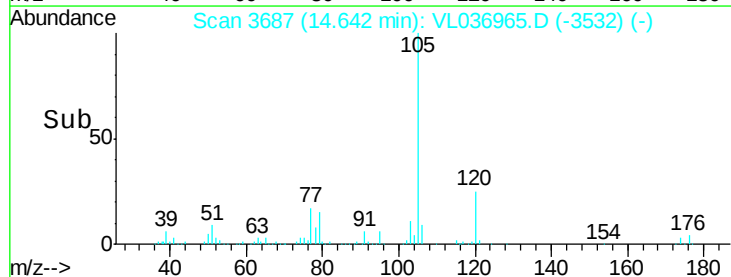
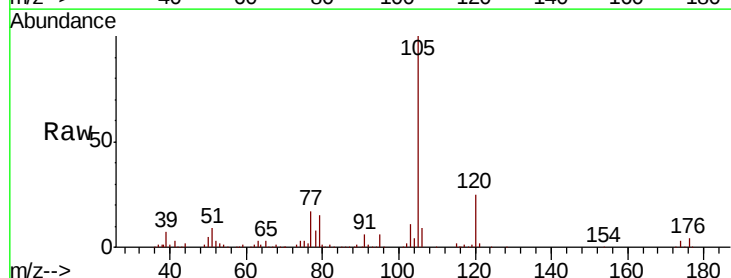
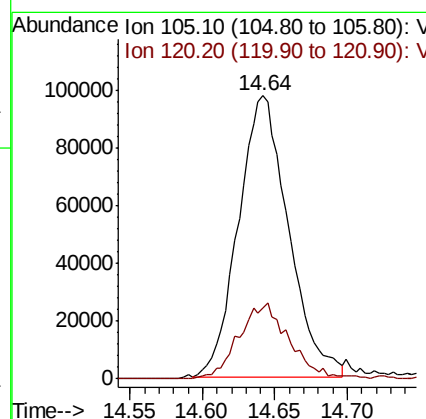
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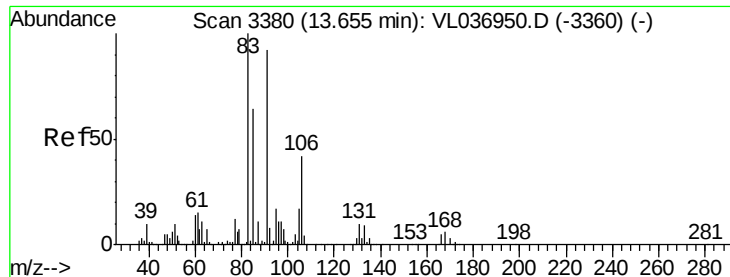
MMDadoda
5/20/2021 5:55:06 PM



#62
Isopropylbenzene
Concen: 0.428 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.7	32.5





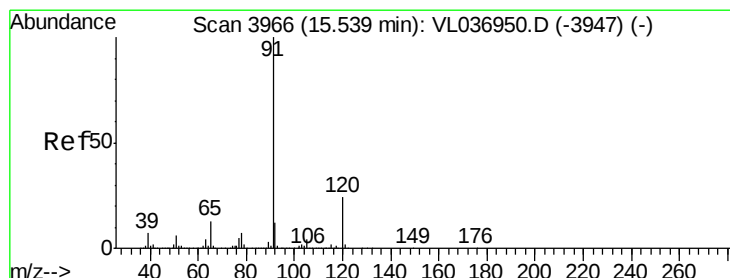
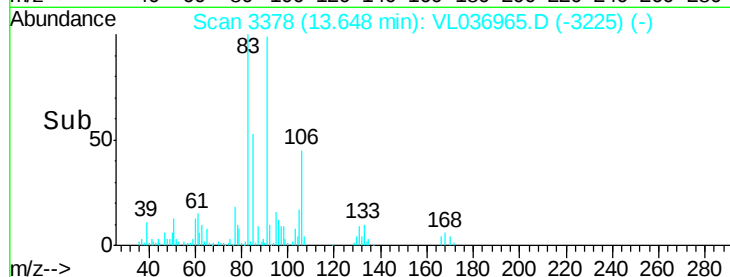
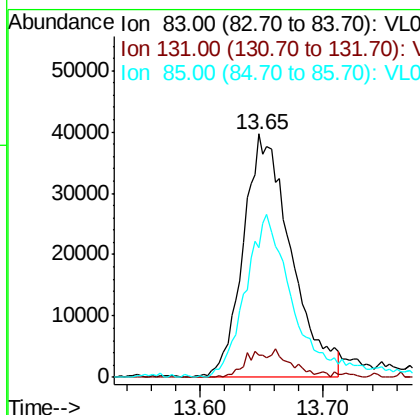
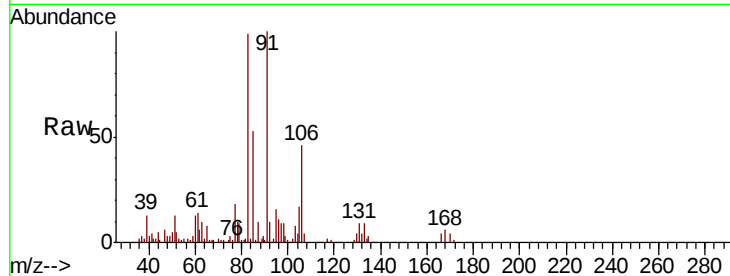
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.377 ppbv m
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion	83	Resp	106873
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	32.9	98.6#

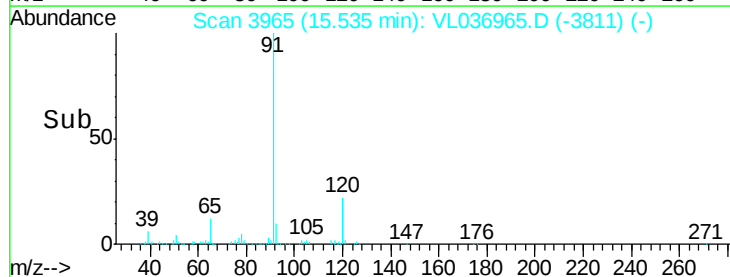
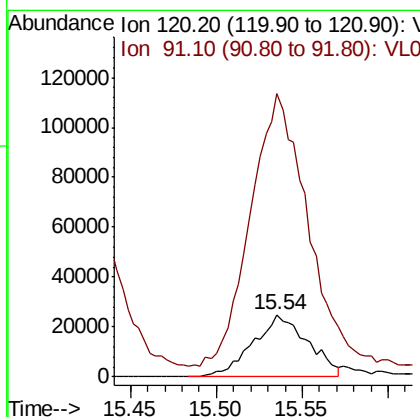
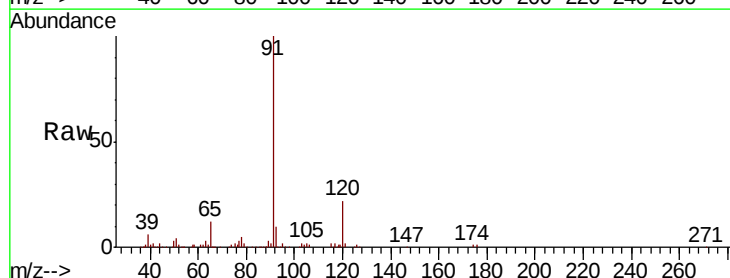
Manual Integrations
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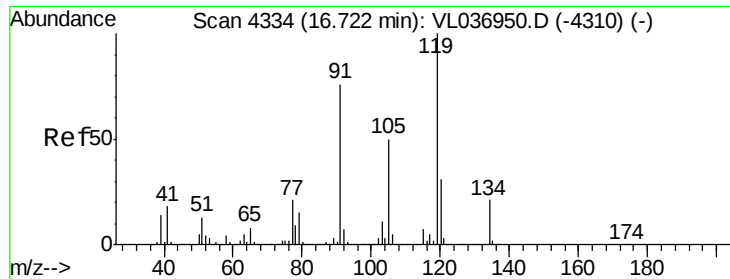
MMDadoda
 5/20/2021 5:55:06 PM



#64
 n-propylbenzene
 Concen: 0.392 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion	120	Resp	55182
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	100		
91	536.5	343.8	515.6#





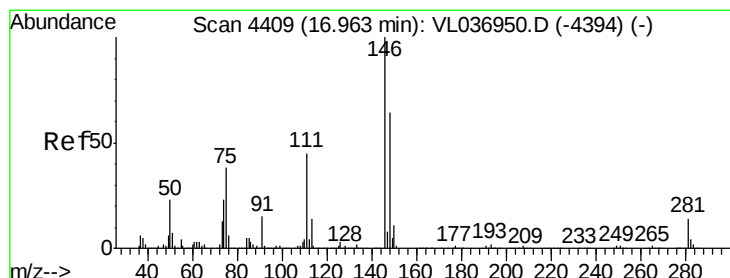
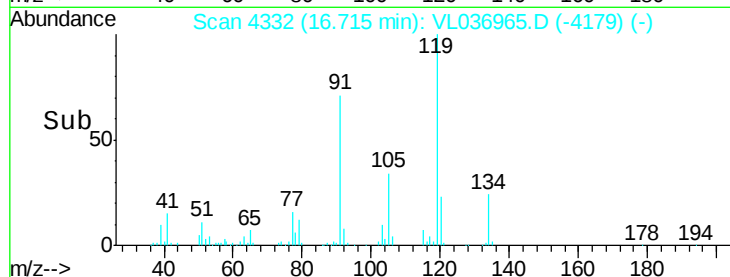
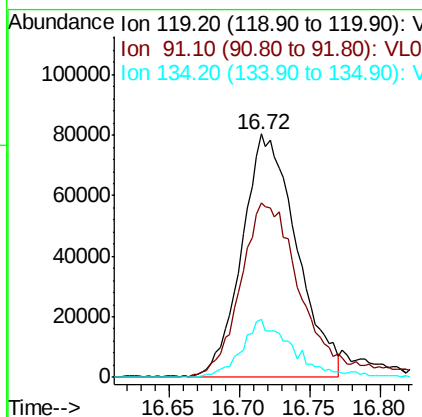
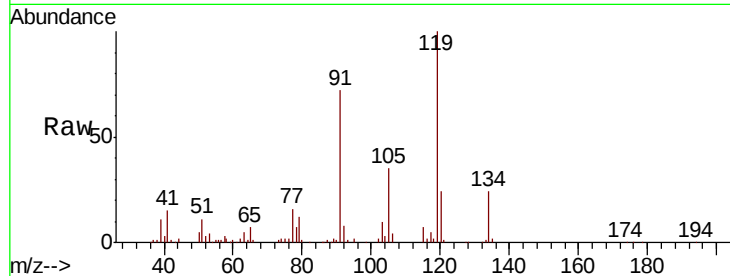
#65
tert-Butylbenzene
Concen: 0.439 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216044		
91	81.8	61.9	92.9	
134	22.5	16.2	24.4	

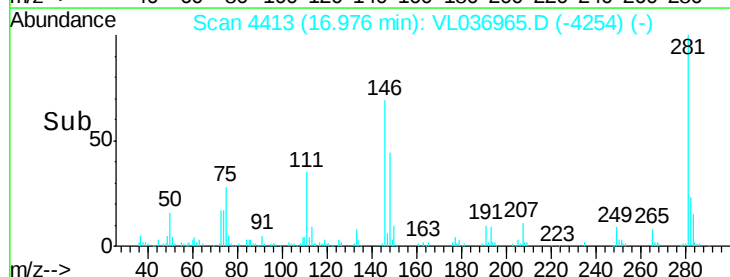
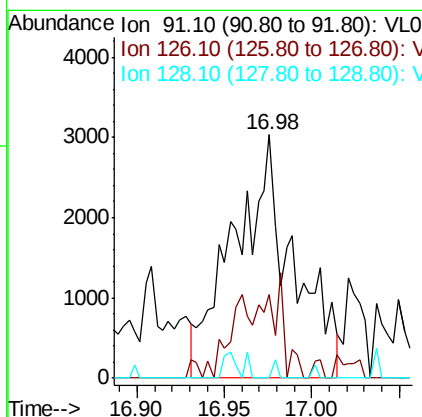
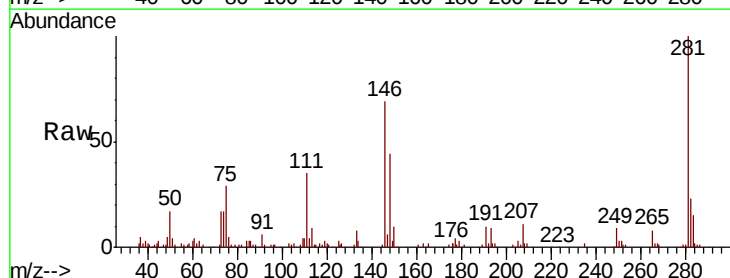
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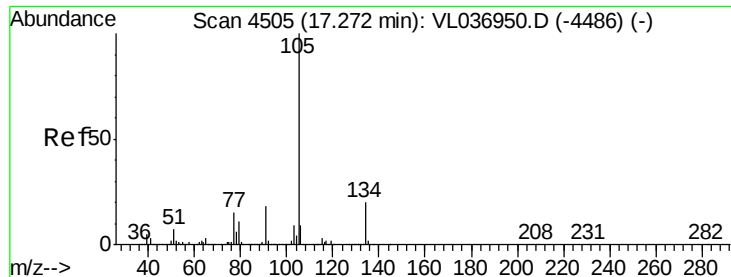
MMDadoda
5/20/2021 5:55:06 PM



#66
Benzyl Chloride
Concen: 0.262 ppbv m
RT: 16.98 min Scan# 4413
Delta R.T. 0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	7155		
126	1.7	16.5	24.7#	
128	7.5	5.5	8.3	





#67

sec-Butylbenzene

Concen: 0.417 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 105 Resp: 280136

Ion Ratio Lower Upper

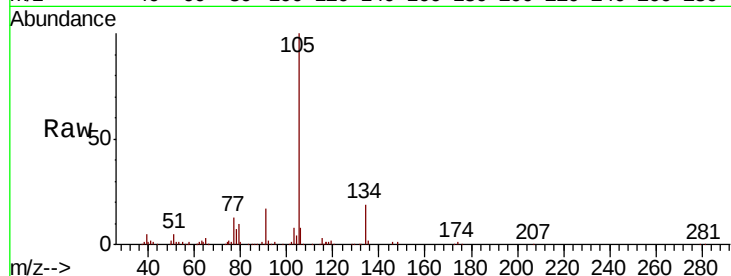
105 100

134 19.3 15.6 23.4

Manual Integrations
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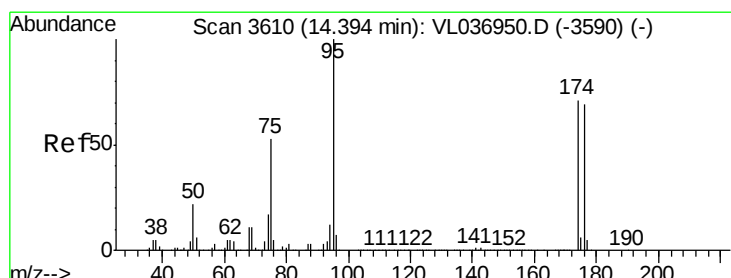
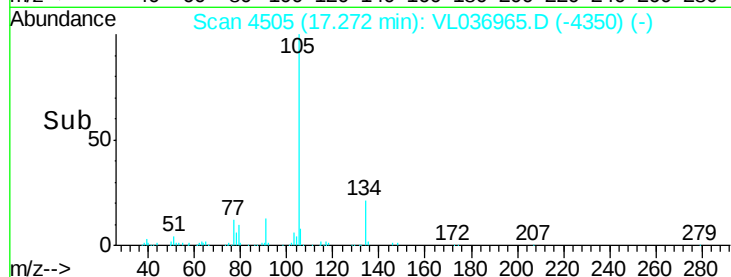
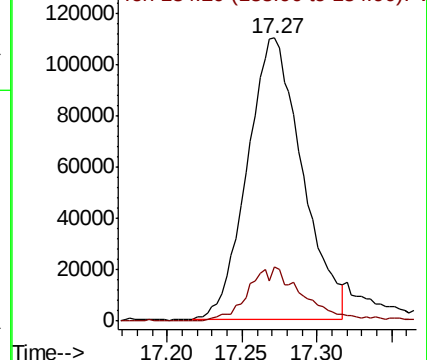
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.004 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

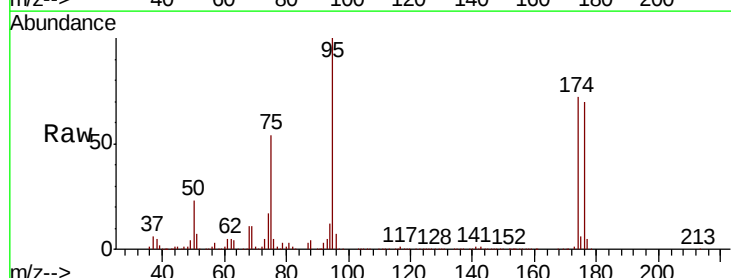
Tgt Ion: 95 Resp: 2565500

Ion Ratio Lower Upper

95 100

174 75.3 58.4 87.6

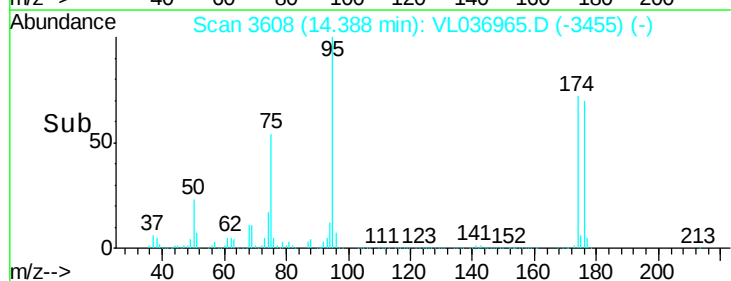
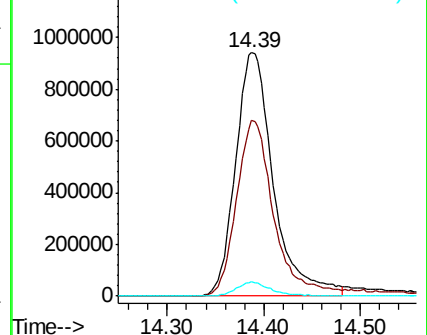
175 5.6 4.4 6.6

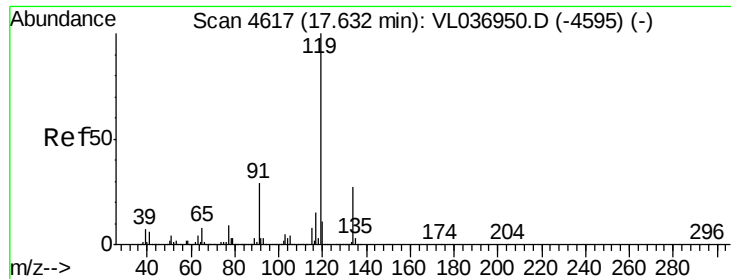


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





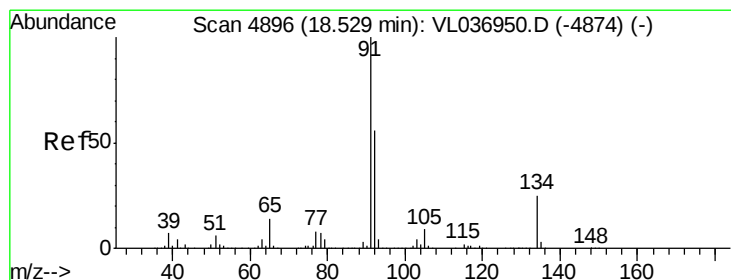
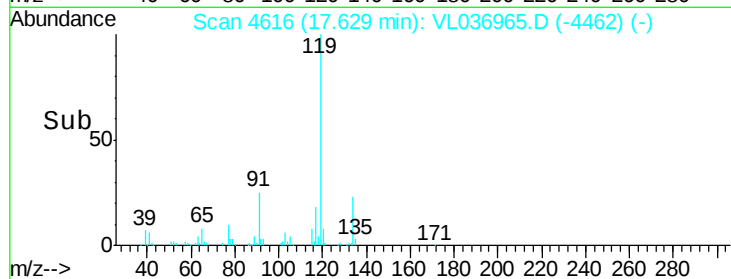
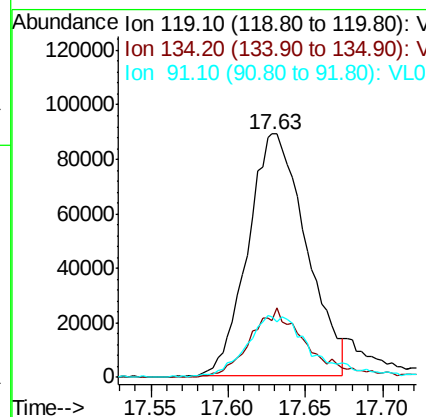
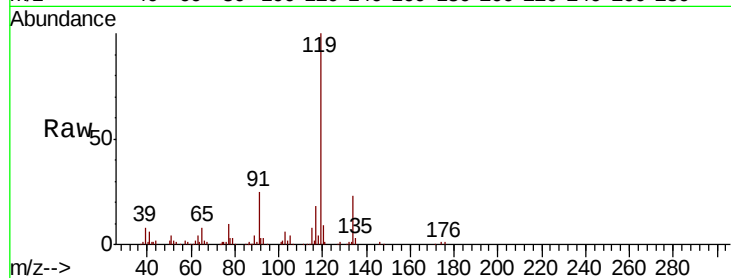
#69
 p-Isopropyltoluene
 Concen: 0.405 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234105		
134	28.4	21.2	31.8	
91	28.6	22.2	33.4	

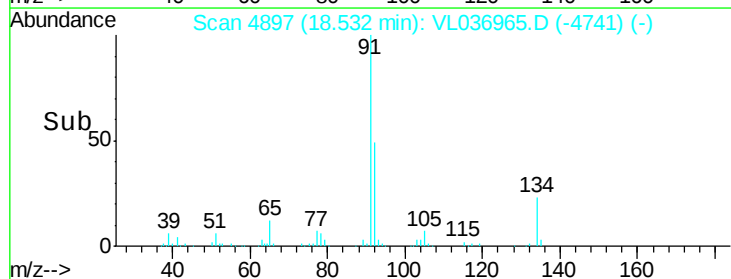
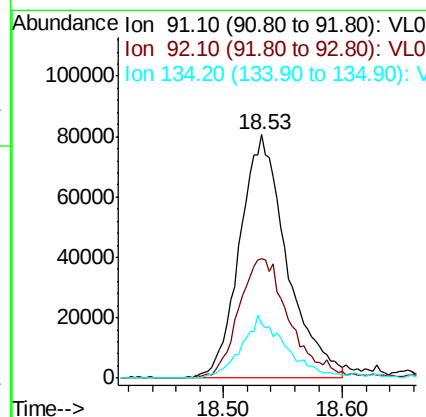
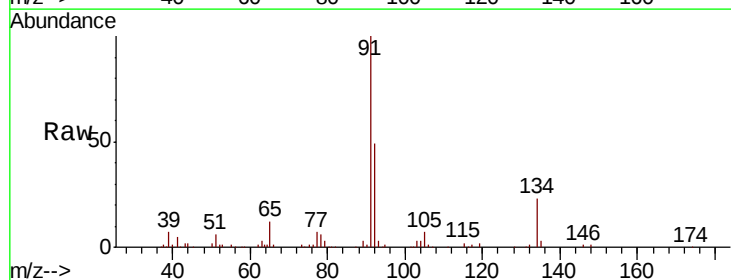
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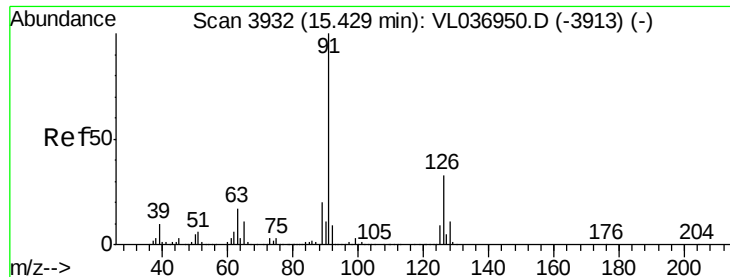
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 5/20/2021 5:55:06 PM



#70
 n-Butylbenzene
 Concen: 0.399 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	219199		
92	53.3	44.6	66.8	
134	25.7	20.2	30.2	





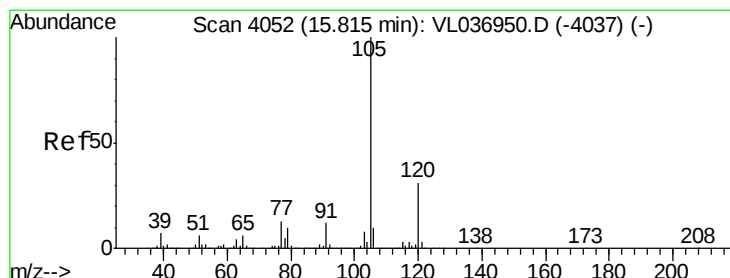
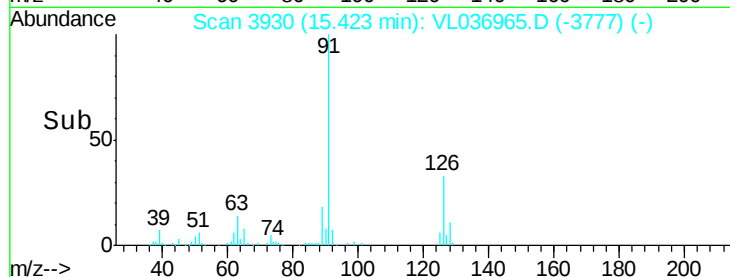
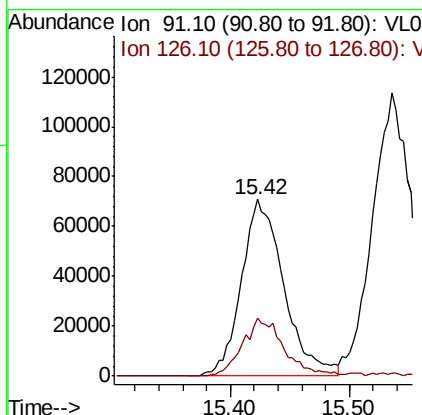
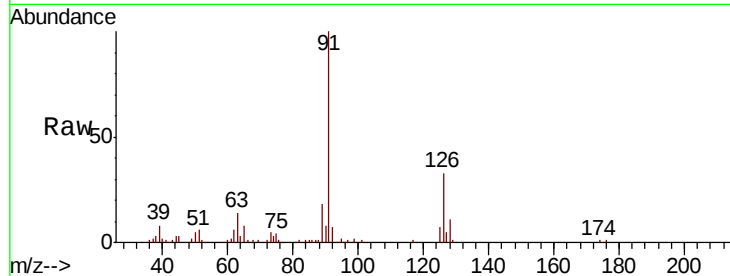
#71
 2-Chlorotoluene
 Concen: 0.442 ppbv
 RT: 15.42 min Scan# 3930
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	13.1	52.5

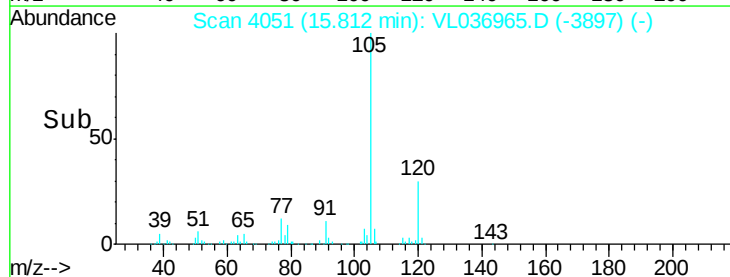
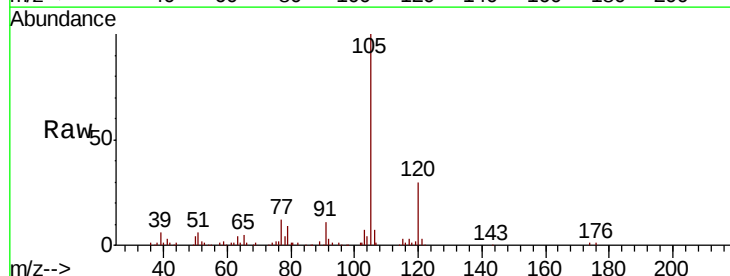
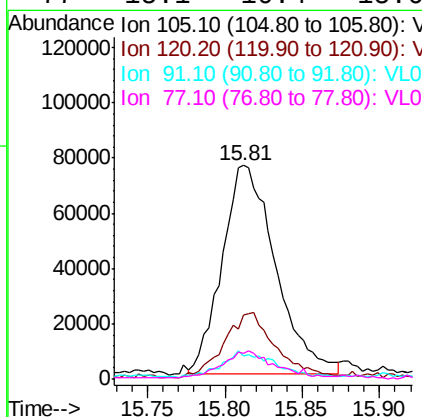
Manual Integrations
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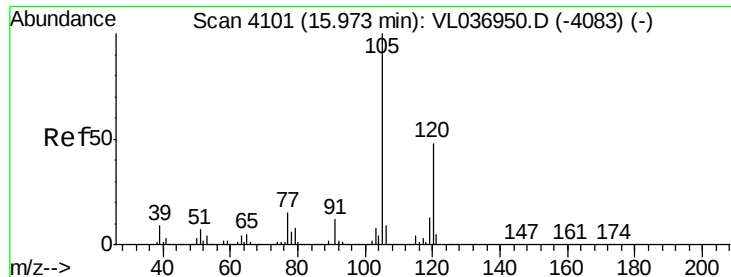
MMDadoda
 5/20/2021 5:55:06 PM



#72
 4-Ethyltoluene
 Concen: 0.402 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.5	24.6	37.0
91	12.1	9.8	14.6
77	15.1	10.4	15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.407 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 172452

Ion Ratio Lower Upper

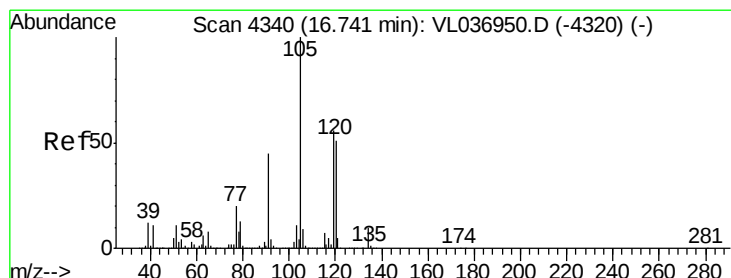
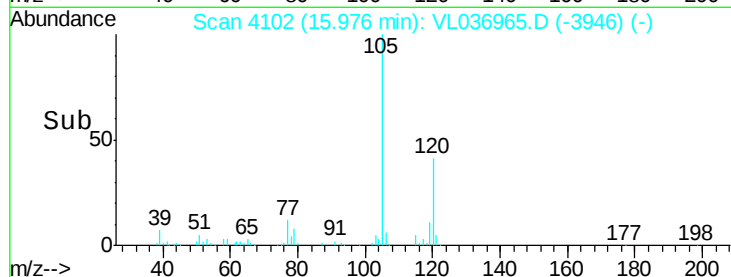
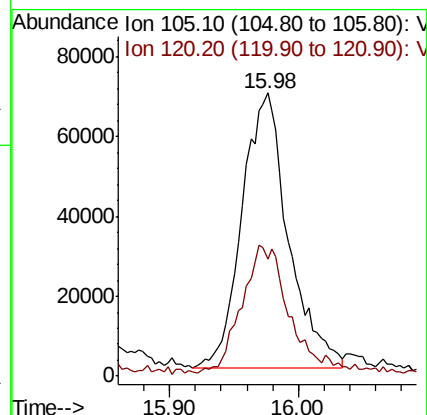
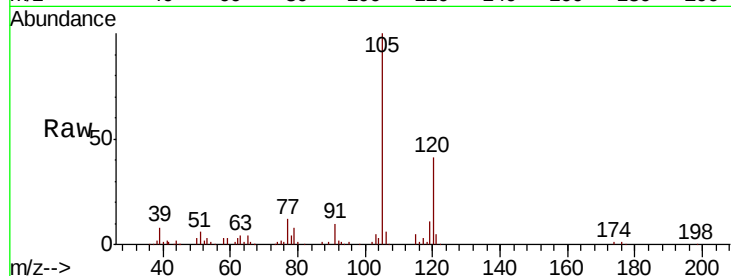
105 100

120 41.0 38.6 58.0

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.432 ppbv m

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:105 Resp: 188998

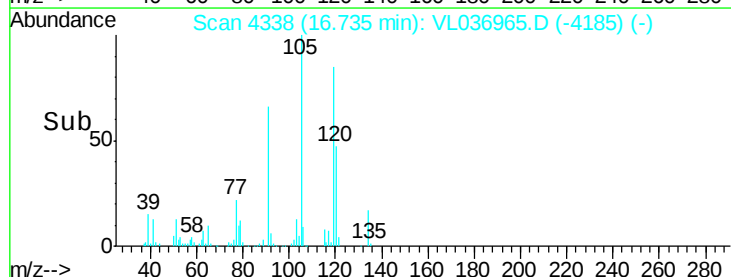
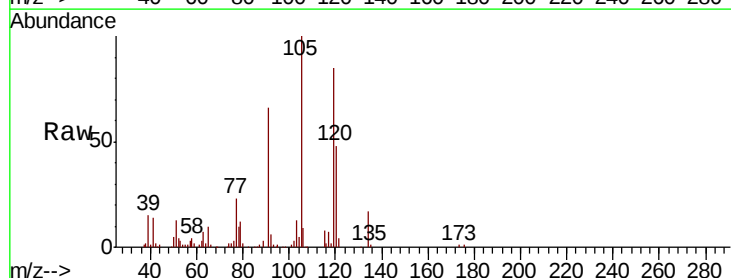
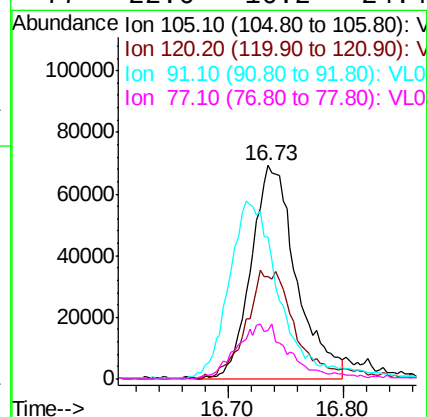
Ion Ratio Lower Upper

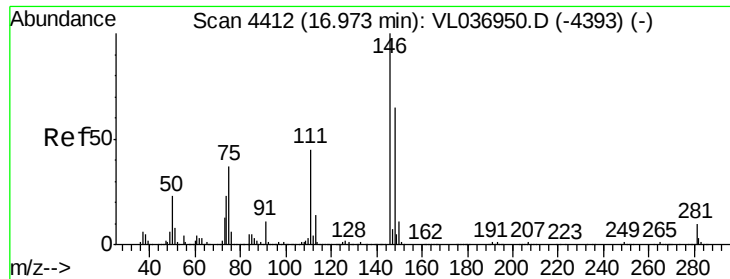
105 100

120 48.1 40.6 61.0

91 66.4 37.4 56.0#

77 22.6 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 0.405 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

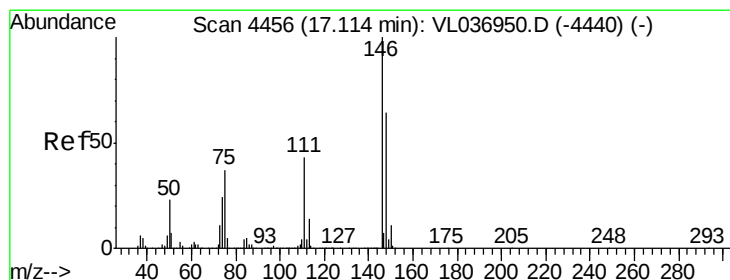
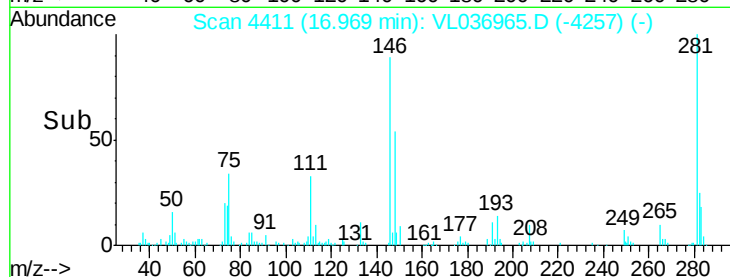
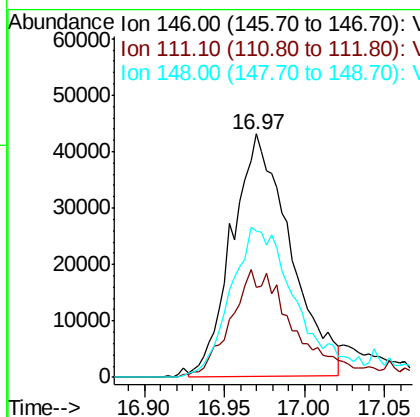
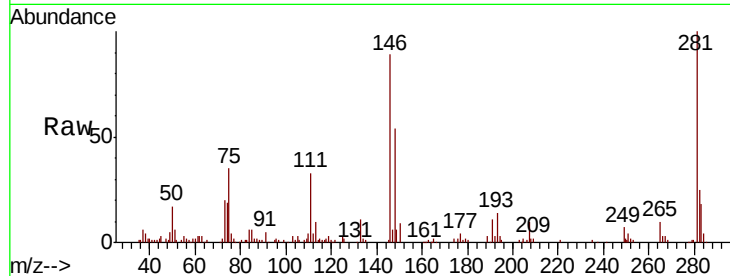
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	146	Resp:	108332
Ion Ratio		Lower	Upper
146	100		
111	47.6	22.2	66.6
148	73.0	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 0.391 ppbv

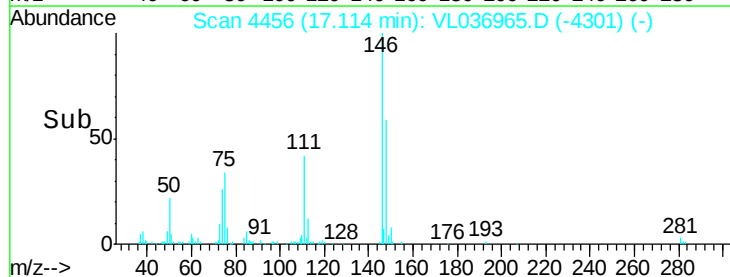
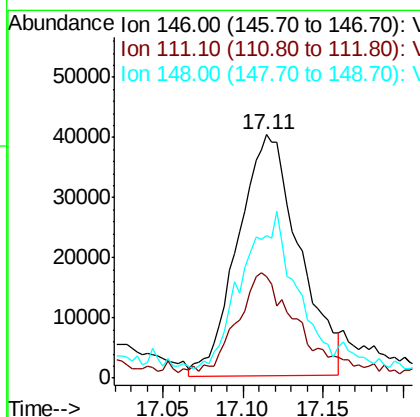
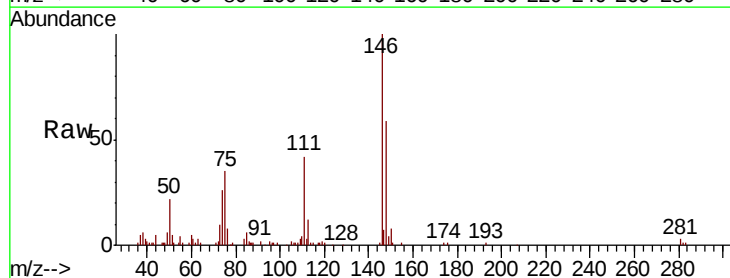
RT: 17.11 min Scan# 4456

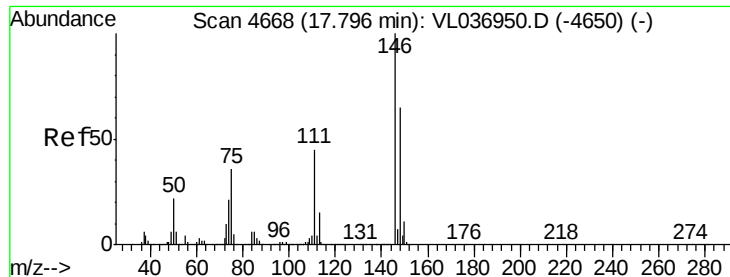
Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:	146	Resp:	105634
Ion Ratio		Lower	Upper
146	100		
111	48.0	22.6	67.7
148	70.8	33.5	100.5





#77

1,2-Dichlorobenzene

Concen: 0.390 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

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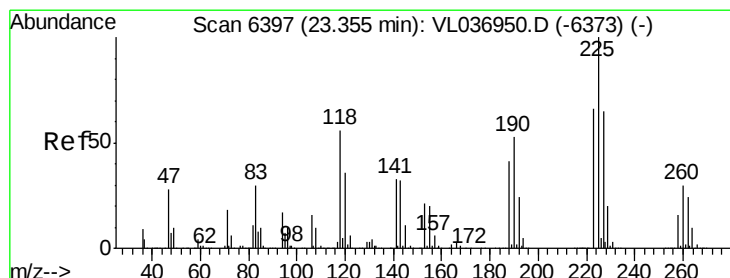
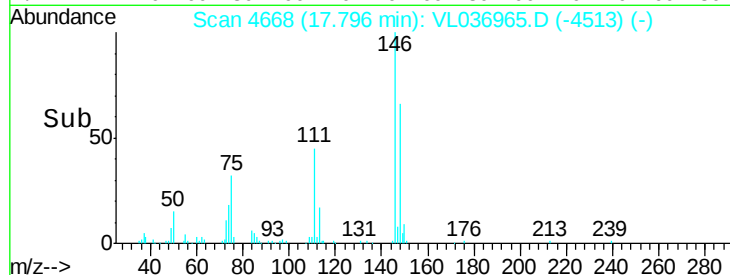
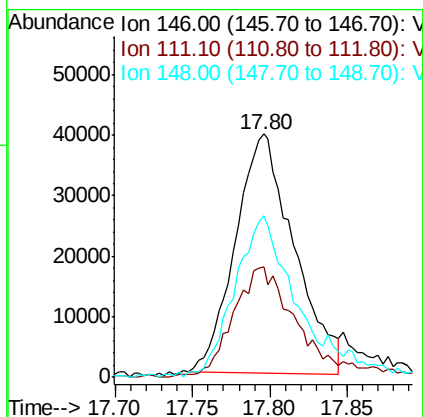
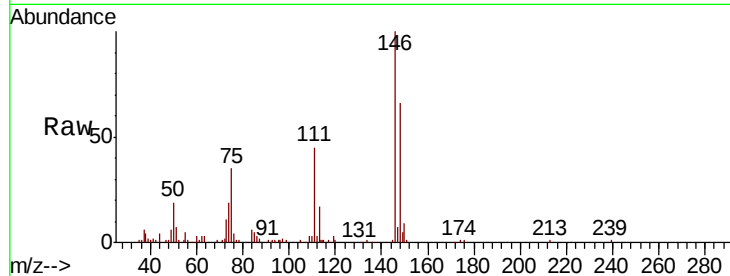
ClientSampleId :

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Tot Ion:	146	Resp:	104579
Ion Ratio	Lower	Upper	
146	100		
111	52.7	23.1	69.2
148	73.5	32.5	97.4

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#78

Hexachloro-1,3-Butadiene

Concen: 0.438 ppbv

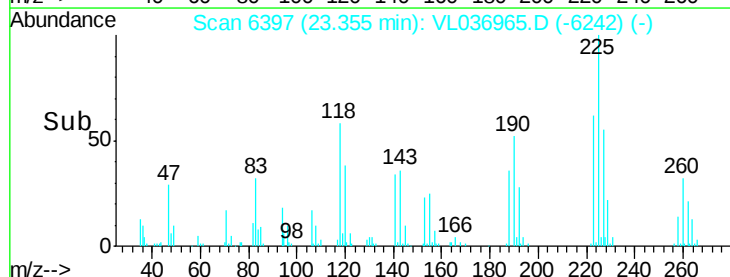
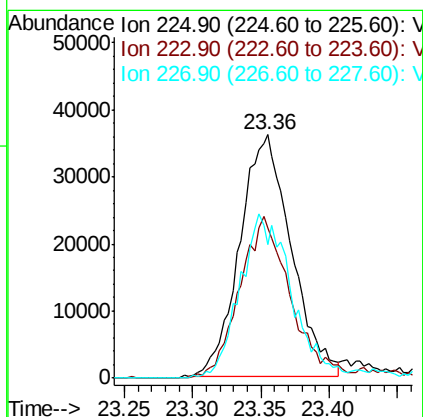
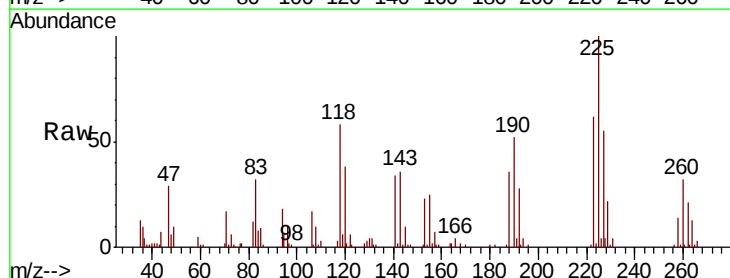
RT: 23.36 min Scan# 6397

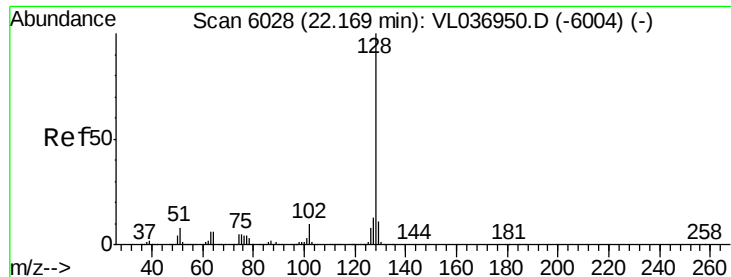
Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:	225	Resp:	94343
Ion Ratio	Lower	Upper	
225	100		
223	67.0	51.9	77.9
227	70.9	51.8	77.6





#79

Naphthalene

Concen: 0.316 ppbv m

RT: 22.18 min Scan# 6031

Delta R.T. 0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

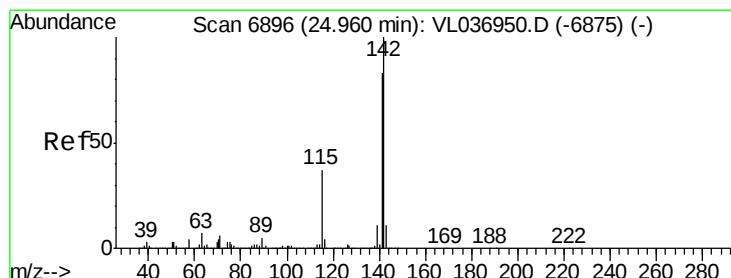
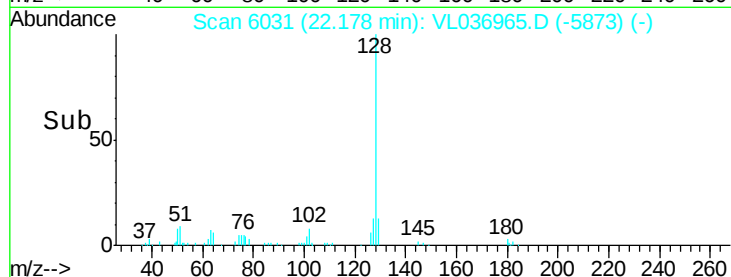
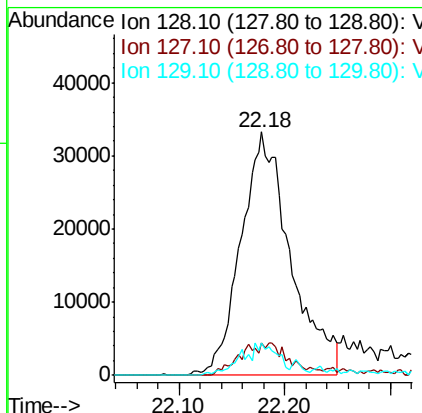
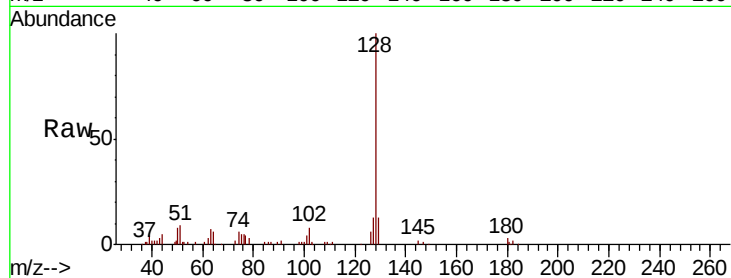
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	128	Resp:	108522
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	13.2	9.0	13.6

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#80

Naphthalene, 2-methyl-

Concen: 0.319 ppbv m

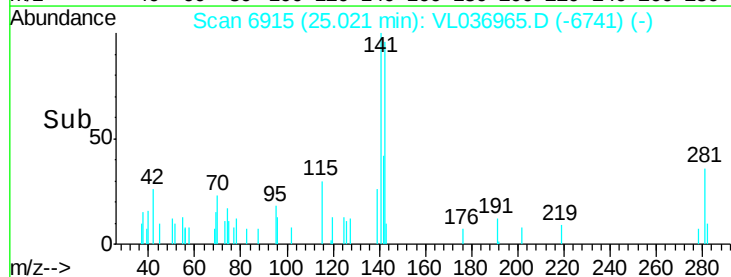
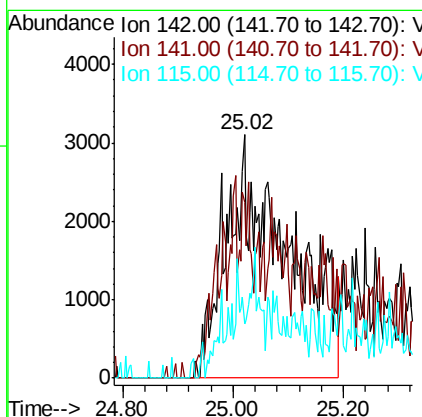
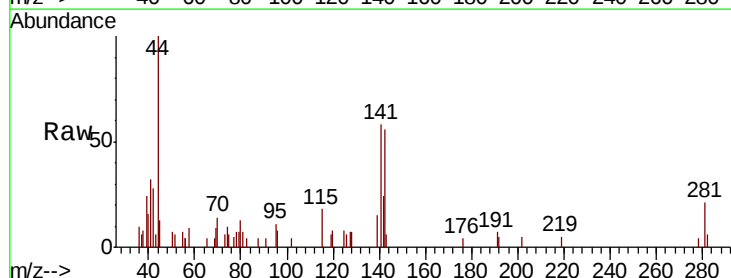
RT: 25.02 min Scan# 6915

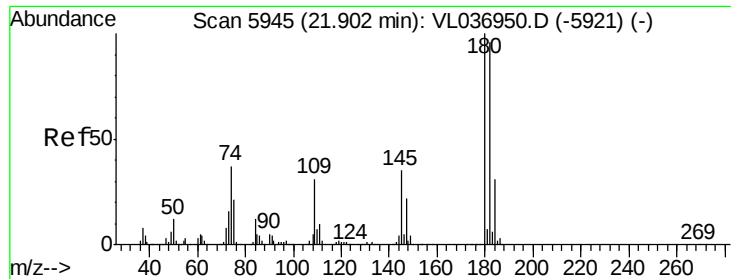
Delta R.T. 0.06 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:	142	Resp:	23806
Ion Ratio	Lower	Upper	
142	100		
141	44.1	69.3	103.9#
115	12.5	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.336 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.0	81.7	122.5
184	33.5	24.9	37.3

Manual Integrations
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