

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036417.D
 Acq On : 1 Mar 2021 16:38
 Operator : SY/AP
 Sample : M1458-13 0.45LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 3/2/2021 3:30:16 PM

Quant Time: Mar 02 06:05:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1791661	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3784068	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3389990	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2798973	10.04	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	125994	0.471	ppbv	99
3) Chlorodifluoromethane	3.00	51	108344	0.487	ppbv	98
4) Chloromethane	3.16	50	53670	0.499	ppbv	89
5) Vinyl Chloride	3.27	62	47916m	0.478	ppbv	
6) Bromomethane	3.49	94	26891m	0.452	ppbv	
7) Chloroethane	3.57	64	18203m	0.512	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	119182	0.490	ppbv	91
9) Propene	3.02	41	41463	0.500	ppbv	94
10) Heptane	8.15	43	91196	0.373	ppbv	100
11) Trichlorofluoromethane	3.97	101	117587	0.449	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	80572	0.497	ppbv	96
13) Ethanol	3.65	45	18553m	1.190	ppbv	
14) Bromoethene	3.76	108	25126	0.370	ppbv #	76
15) Acetone	3.88	43	120615	0.551	ppbv #	88
16) 1,3-Butadiene	3.34	39	46768	0.447	ppbv	96
17) tert-Butyl alcohol	4.32	59	70686m	0.416	ppbv	
18) 1,1-Dichloroethene	4.31	96	32629m	0.443	ppbv	
19) Isopropyl Alcohol	3.99	45	56556m	0.466	ppbv	
20) Methylene Chloride	4.36	84	38675m	0.547	ppbv	
21) Allyl Chloride	4.43	41	49465	0.406	ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	26968m	0.403	ppbv	
23) Vinyl Acetate	5.09	43	77706	0.302	ppbv #	87
24) 1,1-Dichloroethane	5.03	63	83467	0.438	ppbv #	94
25) Ethyl Acetate	5.71	43	168021	0.397	ppbv	97
26) Hexane	5.70	57	67717	0.390	ppbv #	83
27) Carbon Disulfide	4.57	76	62316m	0.390	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	90230m	0.398	ppbv	
29) Chloroform	5.77	83	123317	0.441	ppbv	98
30) Cyclohexane	7.15	84	65640m	0.454	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	60946m	0.355	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	111188	0.425	ppbv	95
34) 2-Butanone	5.28	43	109881m	0.437	ppbv	
35) Carbon Tetrachloride	7.04	117	115283	0.455	ppbv #	88
36) Benzene	6.91	78	129545	0.403	ppbv	92
37) 1,2-Dichloroethane	6.32	62	91564	0.461	ppbv #	96
38) Trichloroethene	7.86	130	53772m	0.467	ppbv	
39) 1,2-Dichloropropane	7.64	63	61753m	0.473	ppbv	
40) 1,4-Dioxane	7.91	88	22867m	0.505	ppbv	
41) Tetrahydrofuran	6.09	42	51551m	0.367	ppbv	
42) Bromodichloromethane	7.81	83	119256	0.448	ppbv #	94
43) Methyl Methacrylate	8.04	69	47259m	0.349	ppbv	

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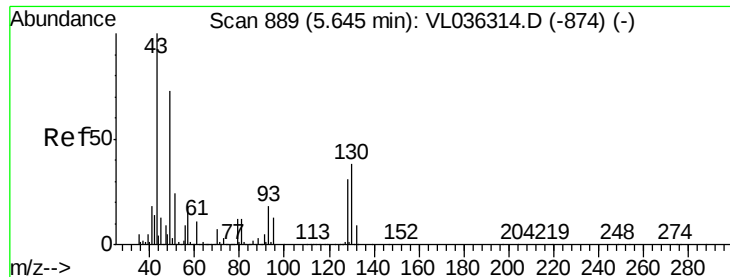
Manual Integrations
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Quant Time: Mar 02 06:05:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	252767	0.432	ppbv	92
45) t-1,3-Dichloropropene	9.30	75	31528	0.241	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	59480m	0.358	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	62924m	0.471	ppbv	
48) Dibromochloromethane	10.33	129	78765	0.395	ppbv	96
49) Bromoform	13.06	173	62510m	0.388	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	145528m	0.390	ppbv	
51) 2-Hexanone	10.18	43	90215m	0.318	ppbv	
52) Tetrachloroethene	11.25	164	49781m	0.423	ppbv	
53) Toluene	9.83	91	120350	0.346	ppbv	99
54) 1,2-Dibromoethane	10.64	107	82367	0.427	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	74698	0.479	ppbv #	1
57) Chlorobenzene	12.17	112	132288m	0.505	ppbv	
58) Ethyl Benzene	12.74	91	174802	0.377	ppbv	96
59) m/p-Xylene	13.02	91	333946m	0.819	ppbv	
60) o-Xylene	13.72	91	175276m	0.450	ppbv	
61) Styrene	13.55	104	66530	0.275	ppbv	90
62) Isopropylbenzene	14.69	105	263904	0.452	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	147741	0.480	ppbv	100
64) n-propylbenzene	15.59	120	58016	0.403	ppbv	66
65) tert-Butylbenzene	16.77	119	206198	0.412	ppbv	89
66) Benzyl Chloride	17.02	91	49717m	0.366	ppbv	
67) sec-Butylbenzene	17.33	105	298060	0.413	ppbv	99
69) p-Isopropyltoluene	17.68	119	222614m	0.400	ppbv	
70) n-Butylbenzene	18.58	91	244068m	0.408	ppbv	
71) 2-Chlorotoluene	15.48	91	185534m	0.414	ppbv	
72) 4-Ethyltoluene	15.86	105	168466m	0.388	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	154690	0.368	ppbv	94
74) 1,2,4-Trimethylbenzene	16.79	105	196694	0.458	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	118025m	0.506	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	114767m	0.474	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	109598m	0.474	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	94527	0.500	ppbv	93
79) Naphthalene	22.24	128	55886m	0.220	ppbv	
80) Naphthalene,2-methyl-	25.08	142	6392m	0.136	ppbv	
81) 1,2,4-Trichlorobenzene	21.97	180	44572m	0.287	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.04 min

Lab File: VL036417.D

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MSVOA_L

ClientSampleId :

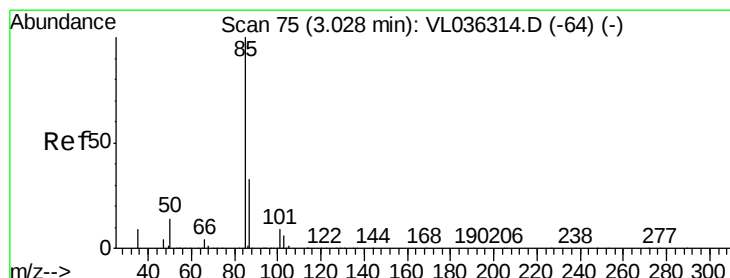
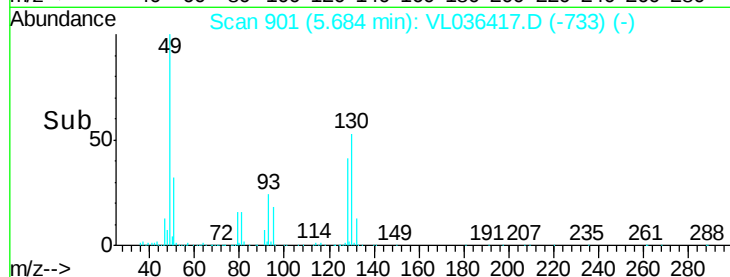
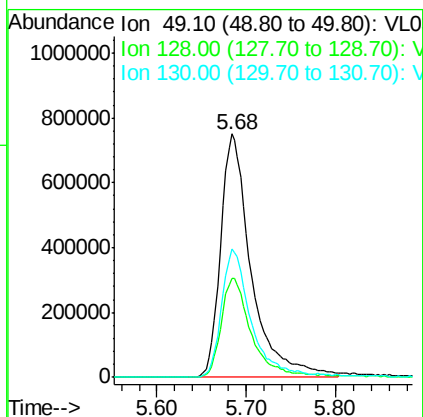
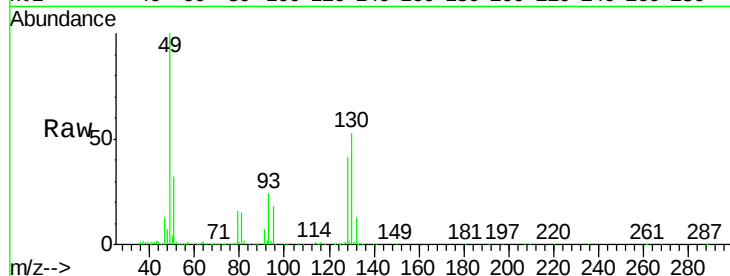
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 49 Resp: 1791661

Ion	Ratio	Lower	Upper
49	100		
128	41.1	20.8	62.5
130	52.4	26.7	80.1

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#2

Dichlorodifluoromethane

Concen: 0.471 ppbv

RT: 3.06 min Scan# 84

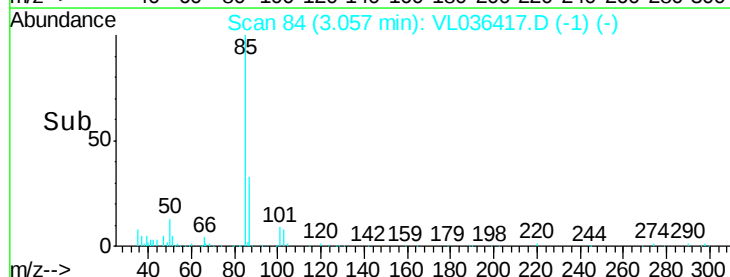
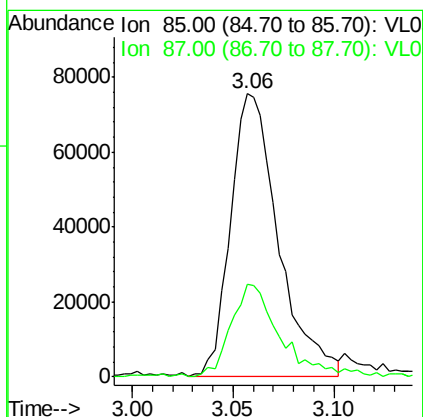
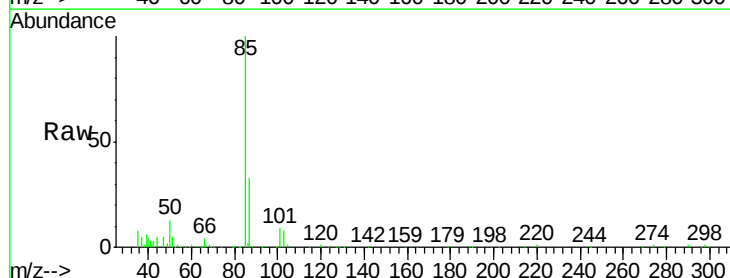
Delta R.T. 0.03 min

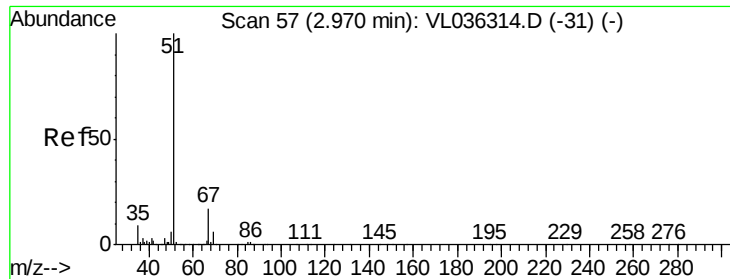
Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion: 85 Resp: 125994

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.5	39.7





#3

Chlorodifluoromethane

Concen: 0.487 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.03 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 51 Resp: 108344

Ion Ratio Lower Upper

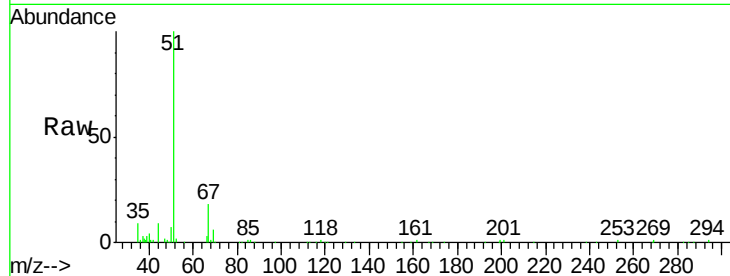
51 100

67 19.2 14.7 22.1

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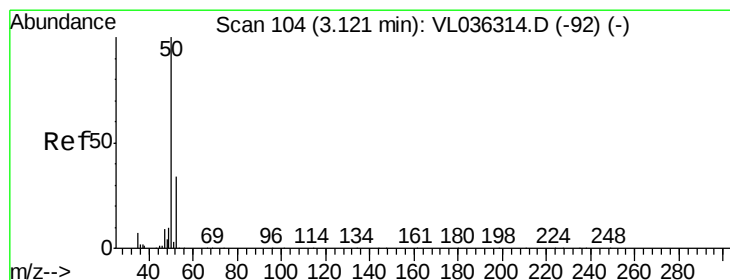
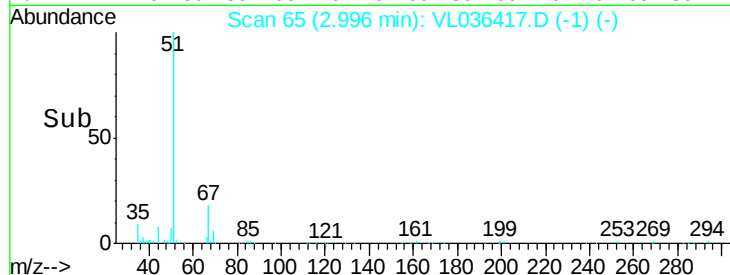
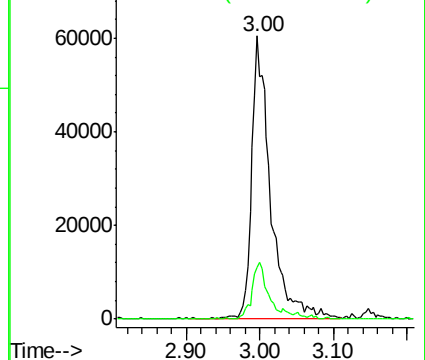
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.499 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.04 min

Lab File: VL036417.D

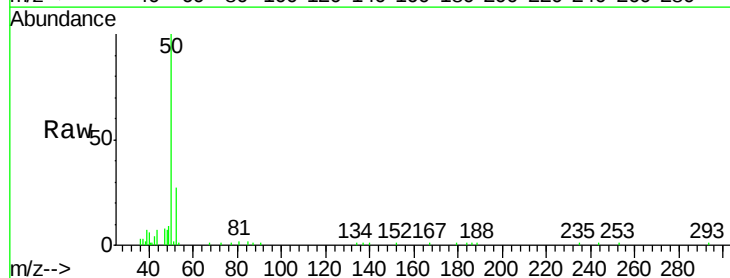
Acq: 1 Mar 2021 16:38

Tgt Ion: 50 Resp: 53670

Ion Ratio Lower Upper

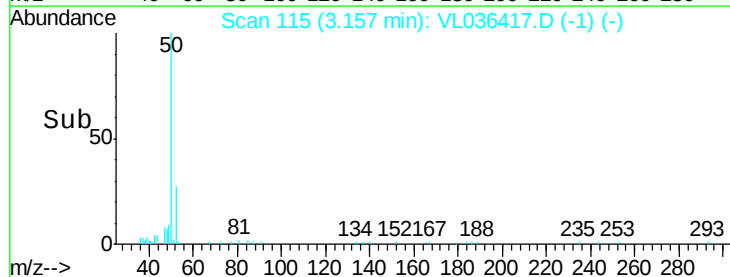
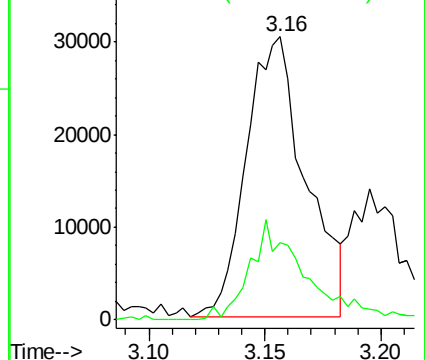
50 100

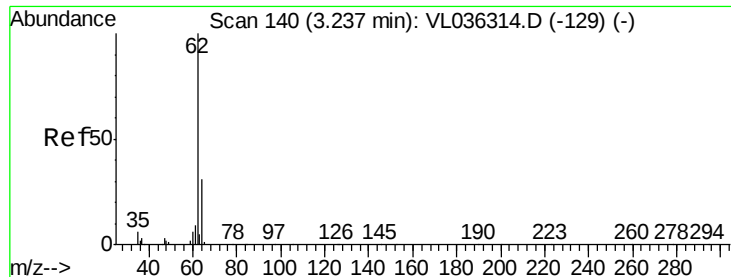
52 27.5 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.478 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.03 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

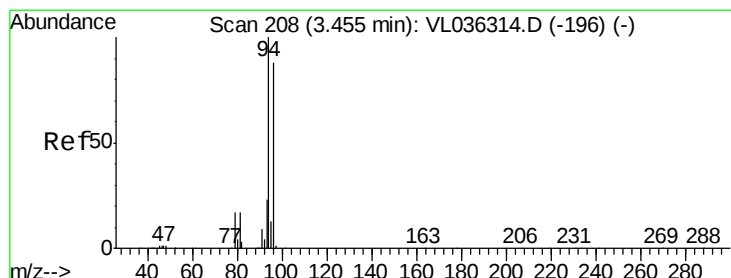
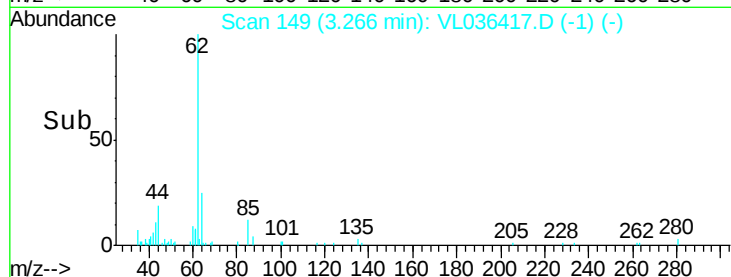
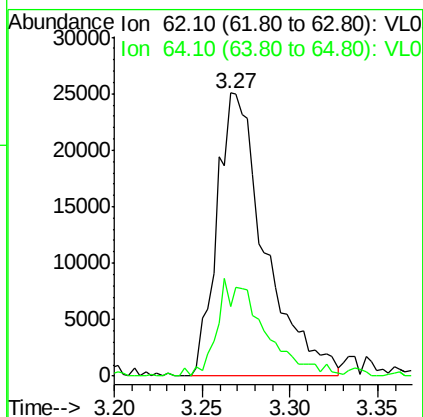
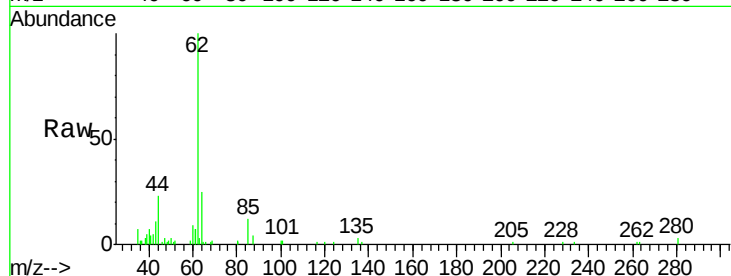
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
62	100		
64	24.5	24.4	36.6

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#6

Bromomethane

Concen: 0.452 ppbv m

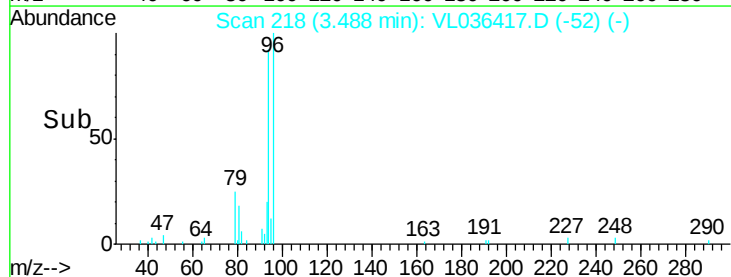
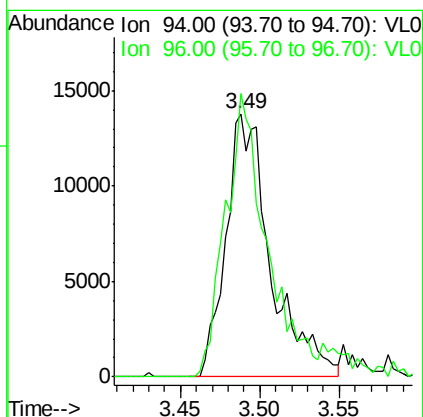
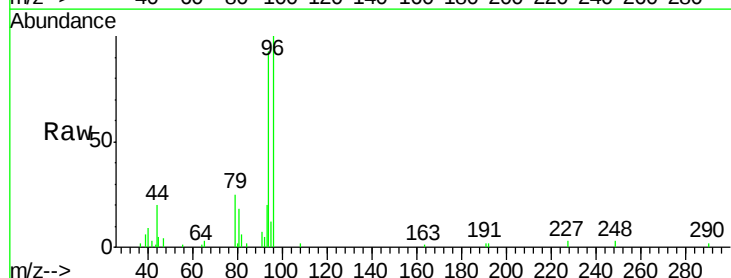
RT: 3.49 min Scan# 218

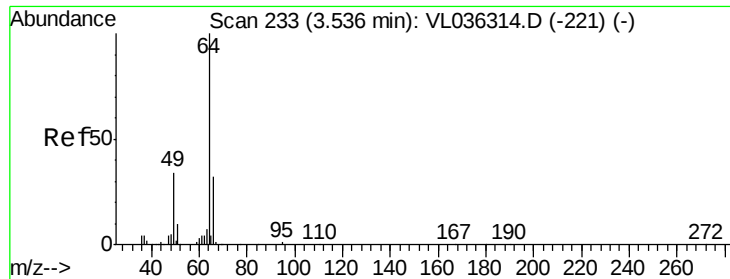
Delta R.T. 0.03 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
94	100		
96	107.6	70.8	106.2





#7

Chloroethane

Concen: 0.512 ppbv m

RT: 3.57 min Scan# 243

Delta R.T. 0.03 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 64 Resp: 18203

Ion Ratio Lower Upper

64 100

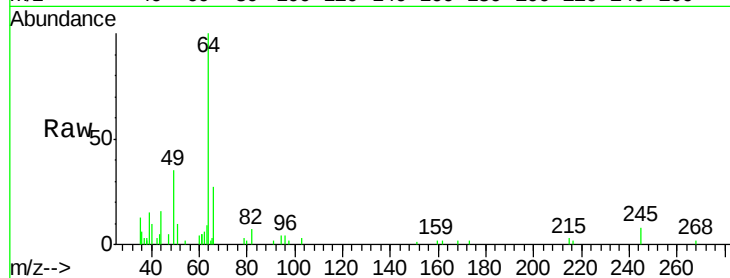
66 27.4 25.6 38.4

Manual Integrations

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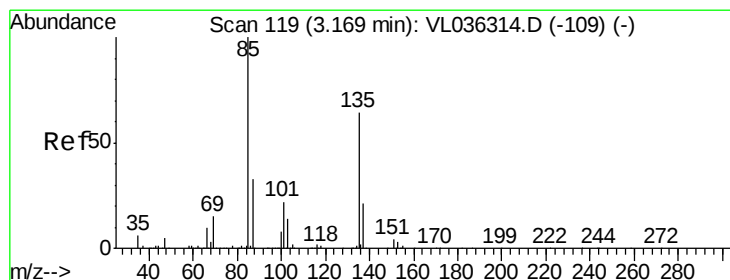
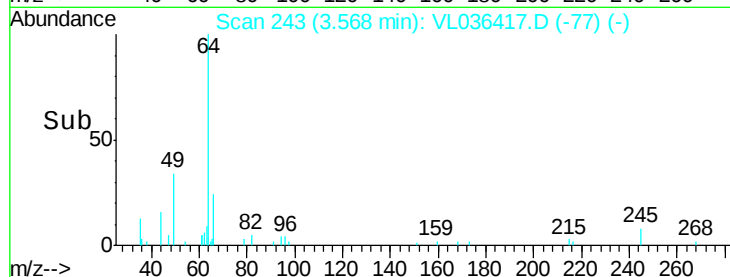
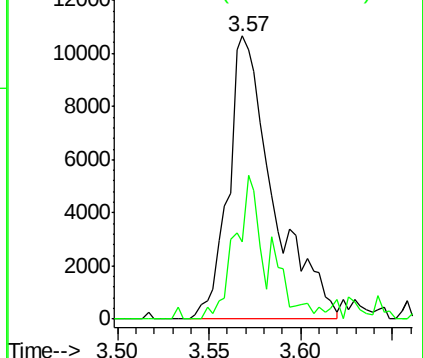
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.490 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.03 min

Lab File: VL036417.D

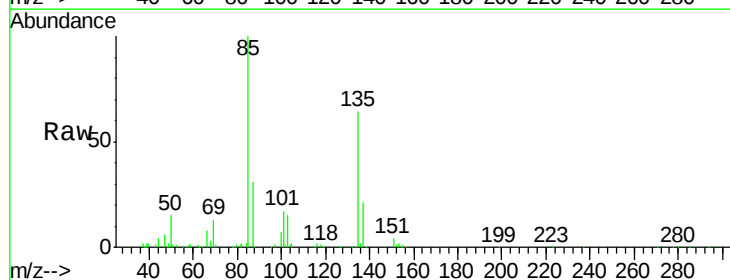
Acq: 1 Mar 2021 16:38

Tgt Ion: 85 Resp: 119182

Ion Ratio Lower Upper

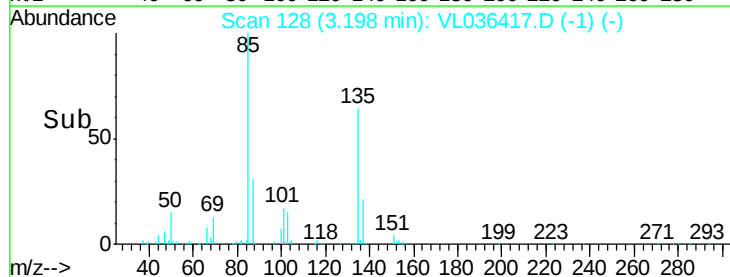
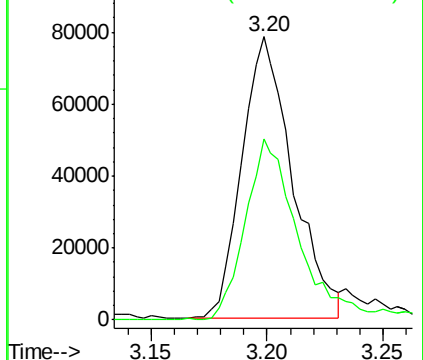
85 100

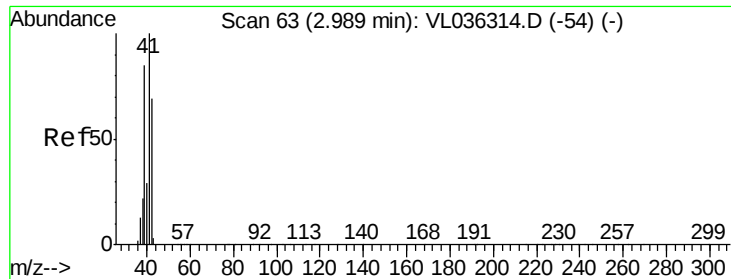
135 70.8 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.500 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.03 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 41 Resp: 41463

Ion Ratio Lower Upper

41 100

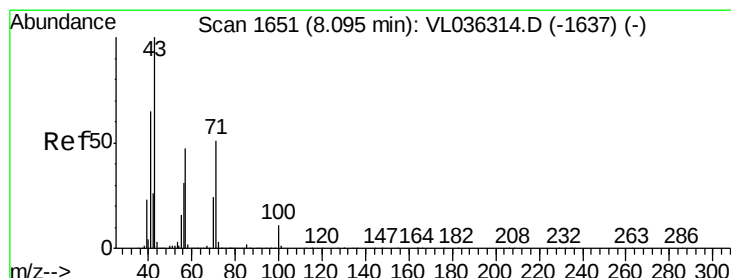
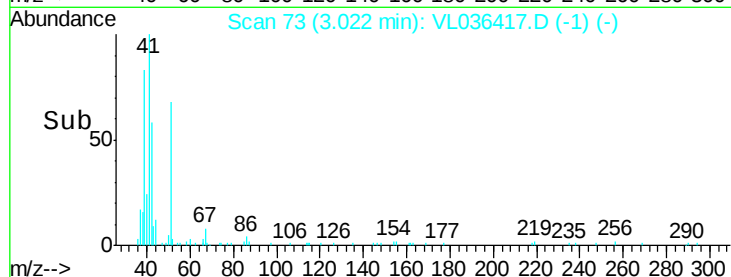
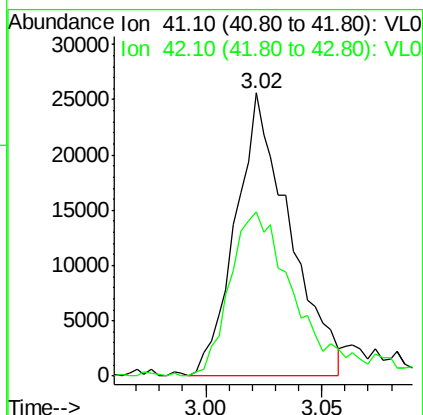
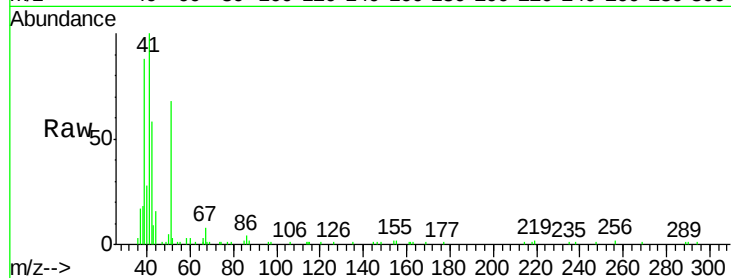
42 74.9 56.2 84.2

Manual Integrations

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#10

Heptane

Concen: 0.373 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.05 min

Lab File: VL036417.D

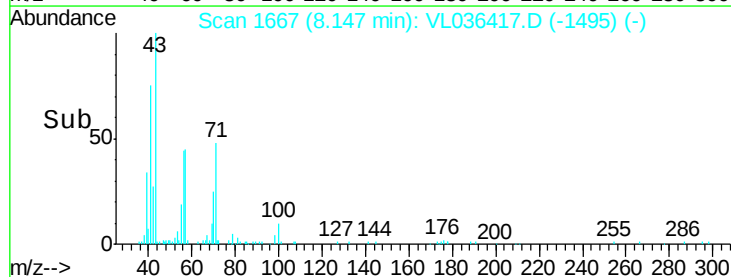
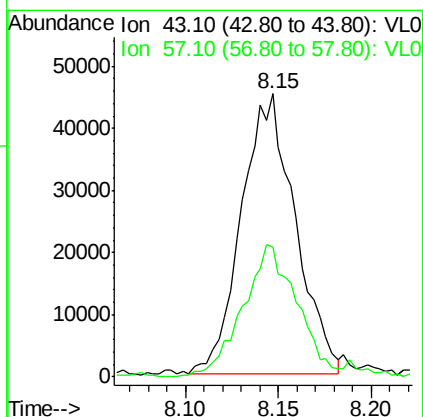
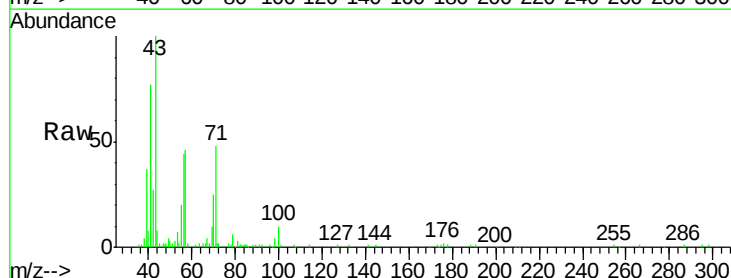
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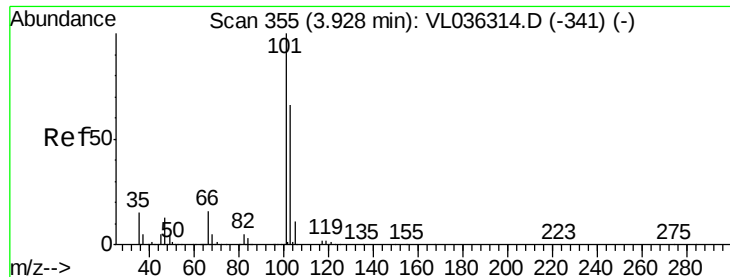
Tgt Ion: 43 Resp: 91196

Ion Ratio Lower Upper

43 100

57 49.6 39.4 59.2





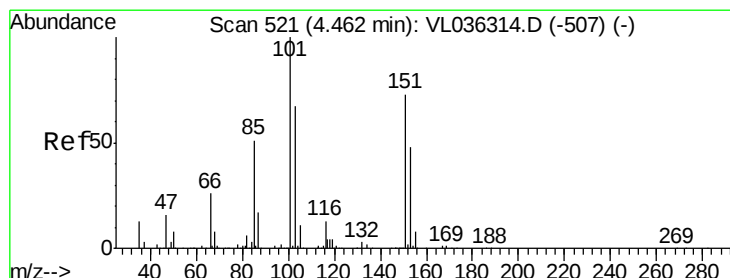
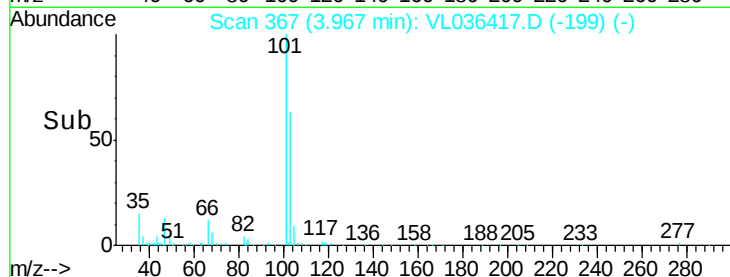
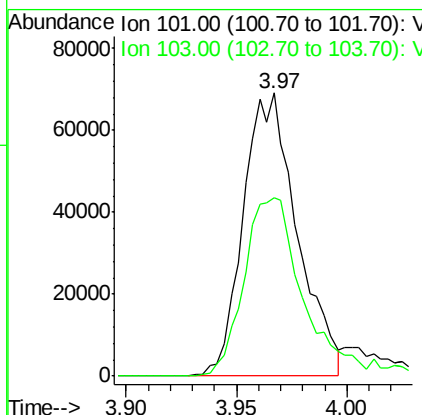
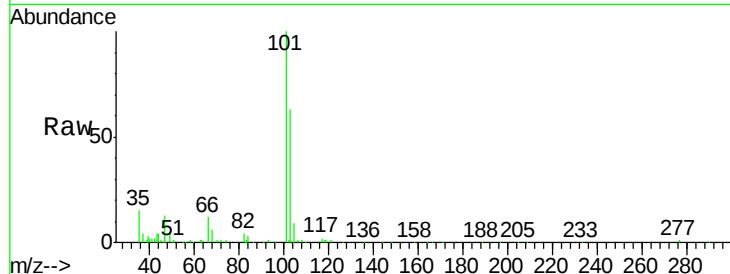
#11
 Trichlorofluoromethane
 Concen: 0.449 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.04 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.9	79.3

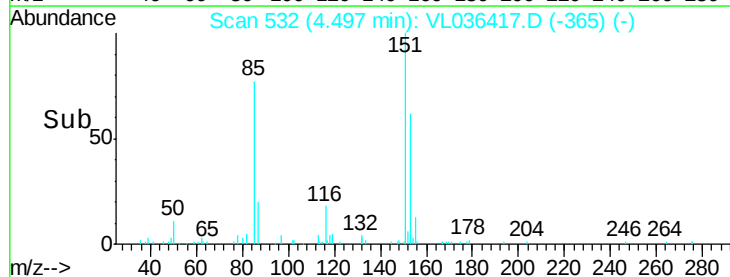
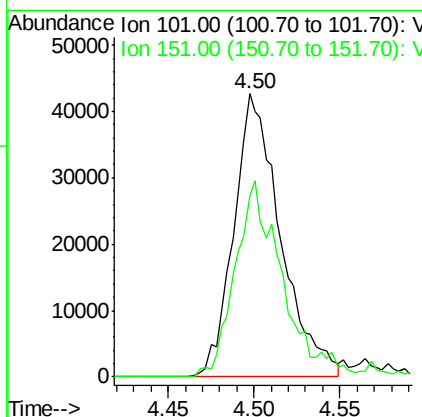
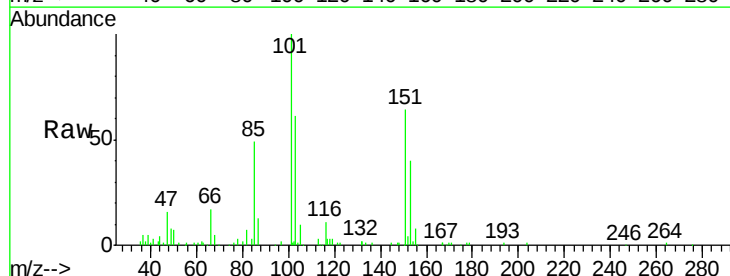
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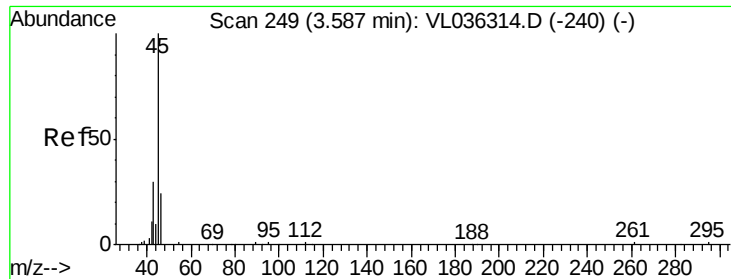
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.497 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.04 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
101	100		
151	69.5	58.2	87.4





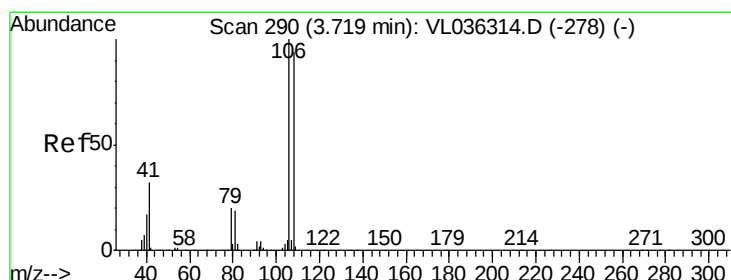
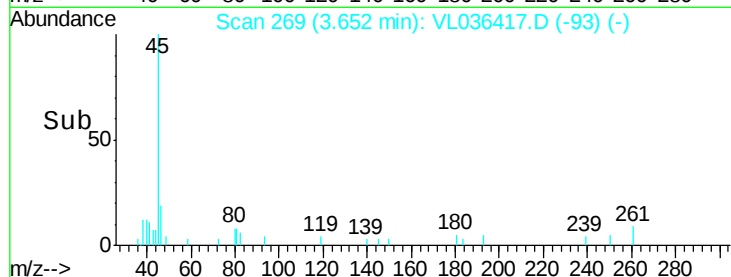
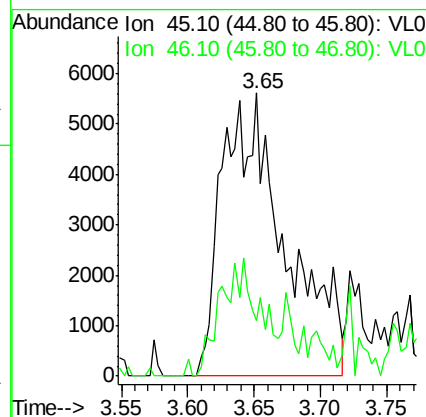
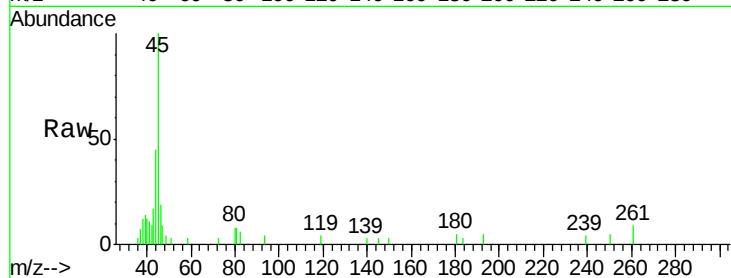
#13
Ethanol
Concen: 1.190 ppbv m
RT: 3.65 min Scan# 269
Delta R.T. 0.06 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion: 45 Resp: 18553
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

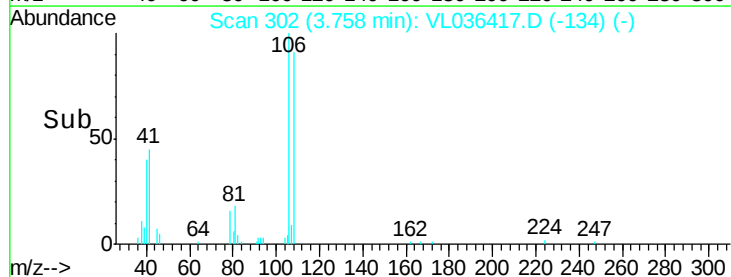
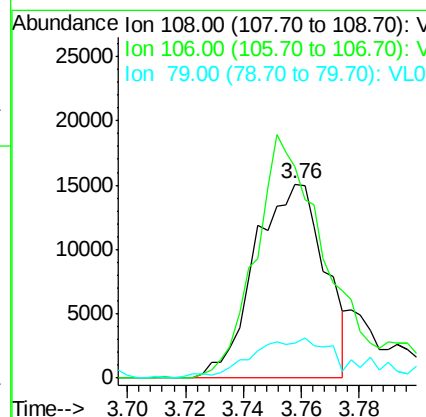
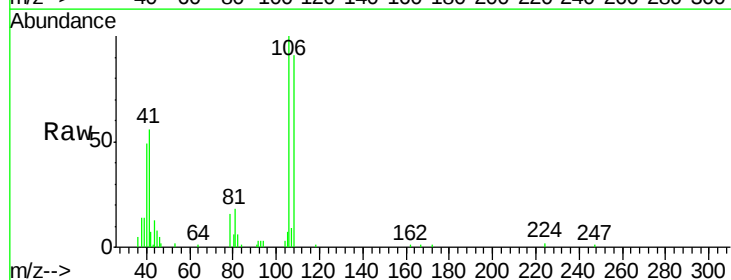
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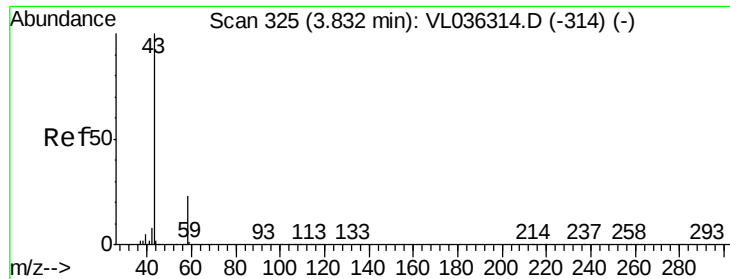
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#14
Bromoethene
Concen: 0.370 ppbv
RT: 3.76 min Scan# 302
Delta R.T. 0.04 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion: 108 Resp: 25126
Ion Ratio Lower Upper
108 100
106 138.8 89.8 134.8#
79 31.9 17.1 25.7#





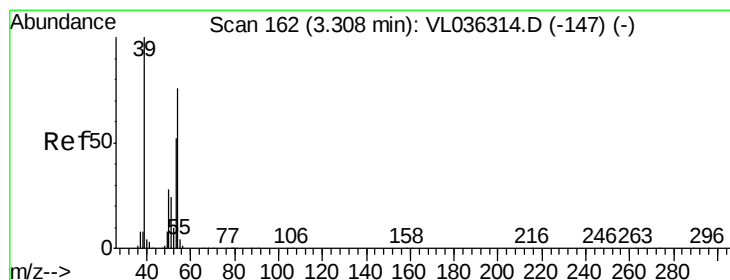
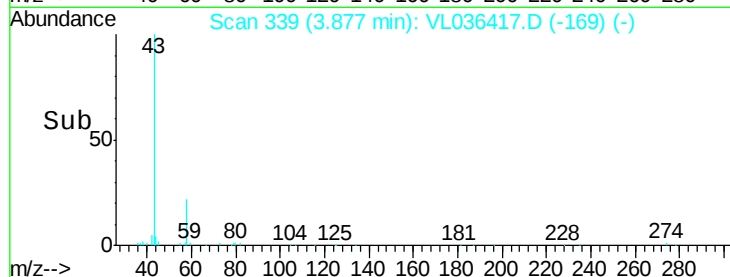
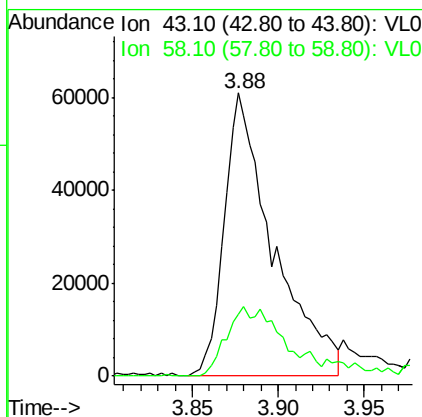
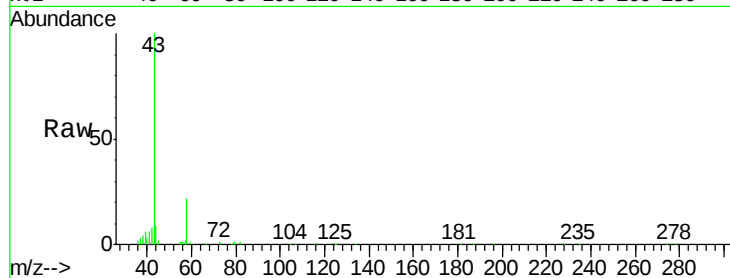
#15
Acetone
Concen: 0.551 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion: 43 Resp: 120615
Ion Ratio Lower Upper
43 100
58 31.3 20.3 30.5#

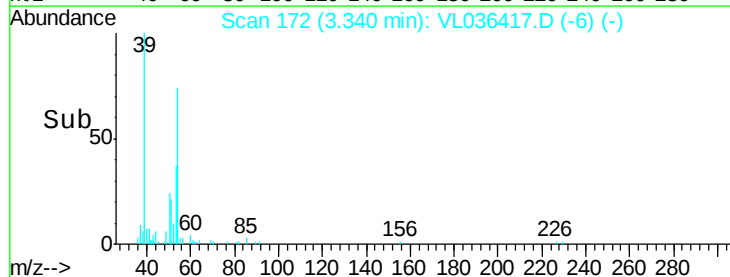
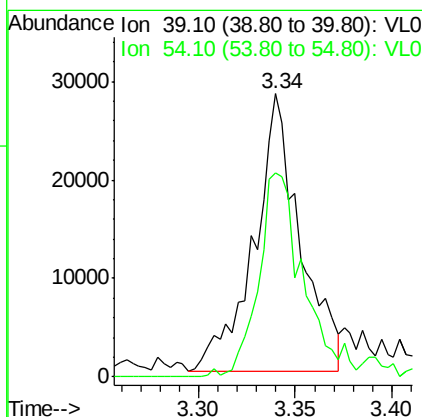
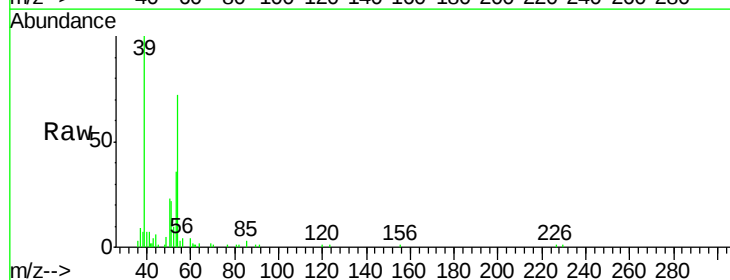
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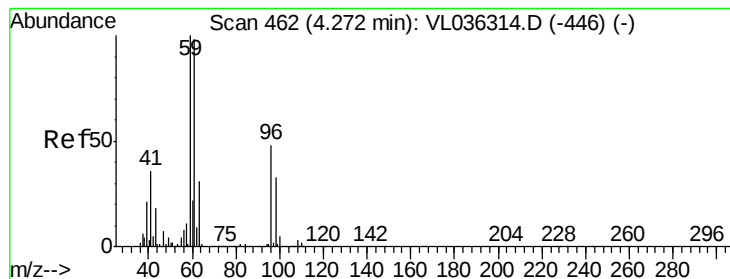
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#16
1,3-Butadiene
Concen: 0.447 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.03 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion: 39 Resp: 46768
Ion Ratio Lower Upper
39 100
54 77.2 64.4 96.6





#17

tert-Butyl alcohol

Concen: 0.416 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 59 Resp: 70686

Ion Ratio Lower Upper

59 100

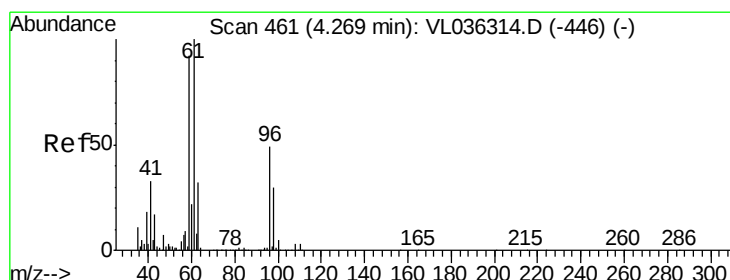
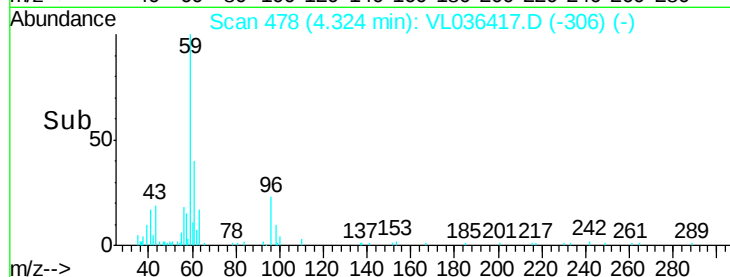
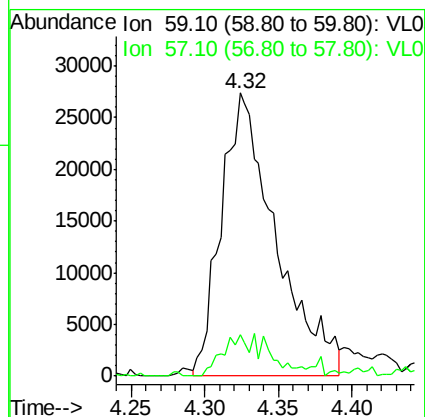
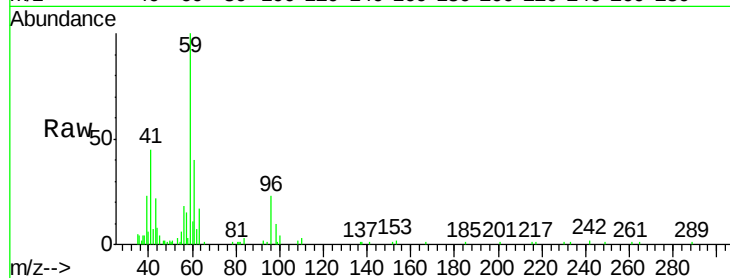
57 0.0 9.0 13.4#

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#18

1,1-Dichloroethene

Concen: 0.443 ppbv m

RT: 4.31 min Scan# 473

Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

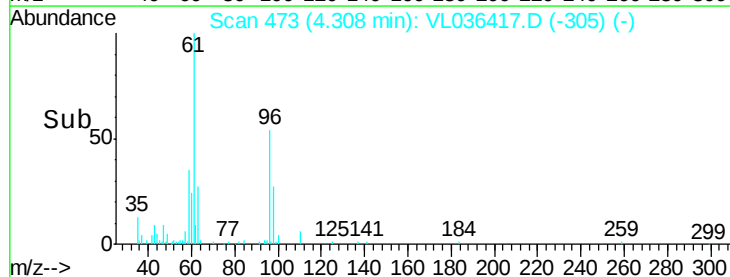
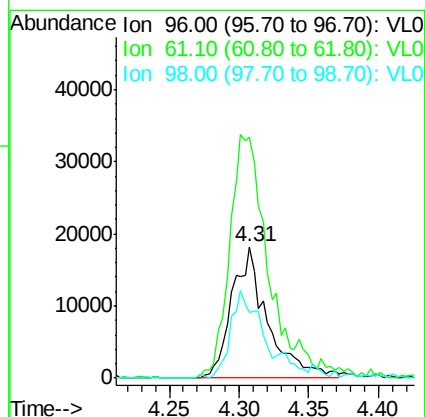
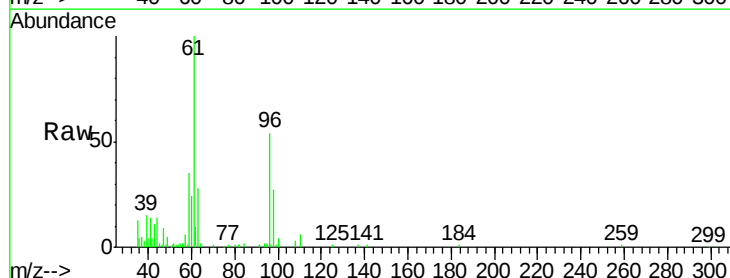
Tgt Ion: 96 Resp: 32629

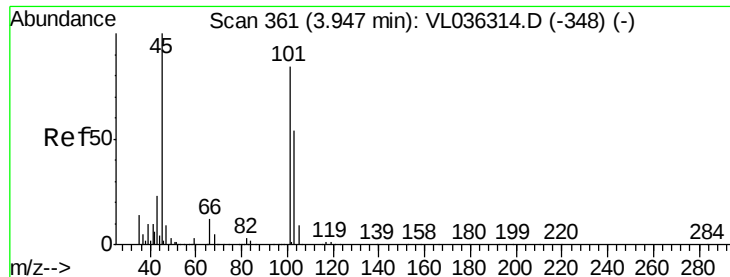
Ion Ratio Lower Upper

96 100

61 183.9 162.5 243.7

98 50.2 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.466 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

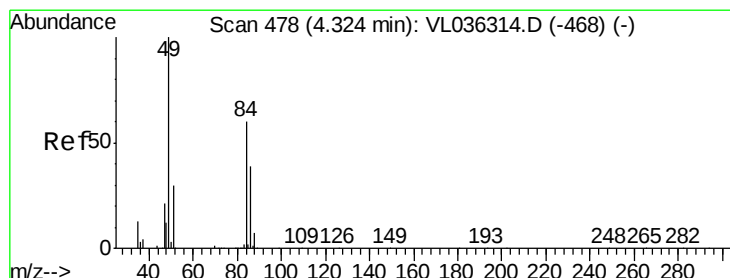
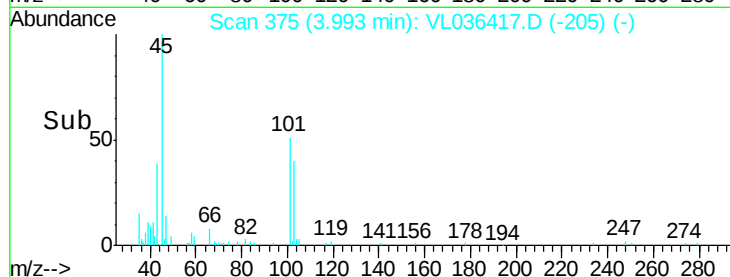
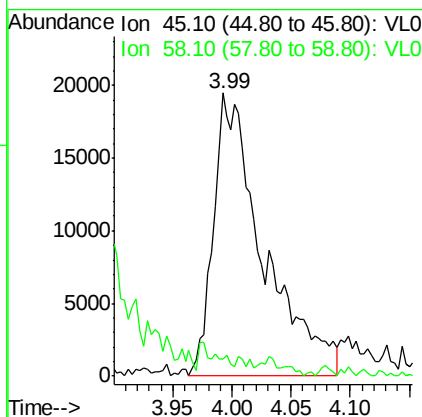
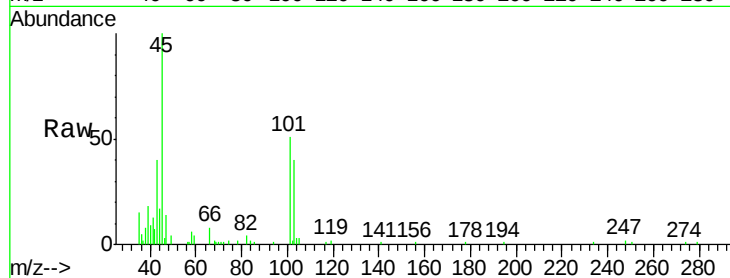
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 45 Resp: 56556
 Ion Ratio Lower Upper
 45 100
 58 7.9 1.9 2.9#

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#20

Methylene Chloride

Concen: 0.547 ppbv m

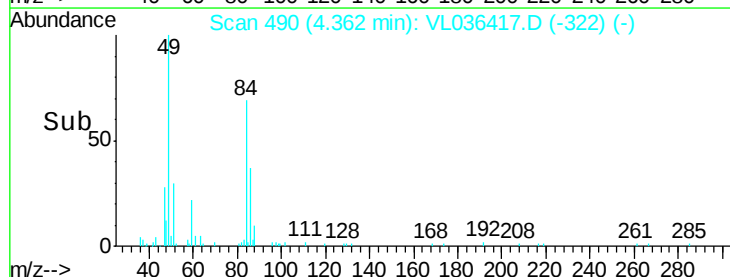
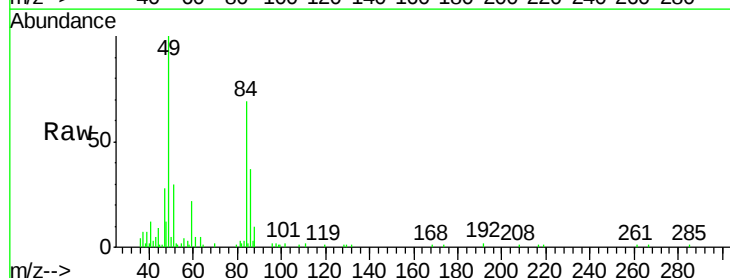
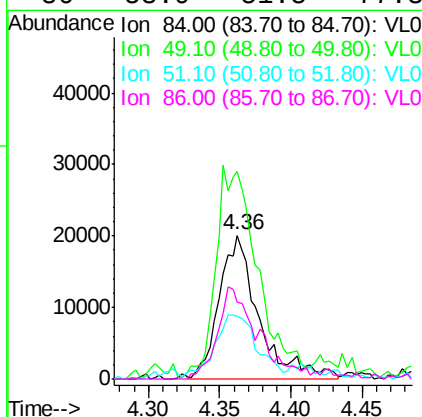
RT: 4.36 min Scan# 490

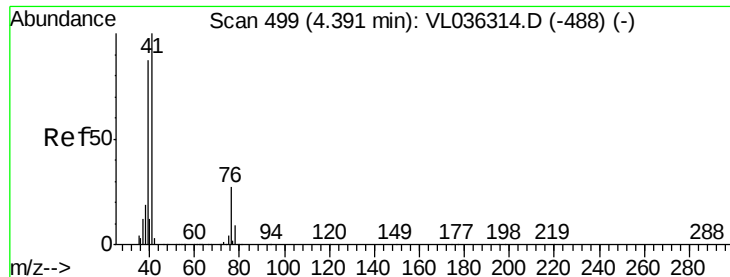
Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion: 84 Resp: 38675
 Ion Ratio Lower Upper
 84 100
 49 144.8 133.8 200.8
 51 43.8 41.4 62.0
 86 53.9 51.5 77.3





#21

Allyl Chloride

Concen: 0.406 ppbv

RT: 4.43 min Scan# 510

Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

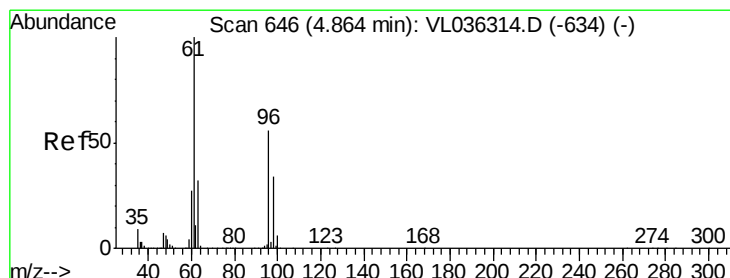
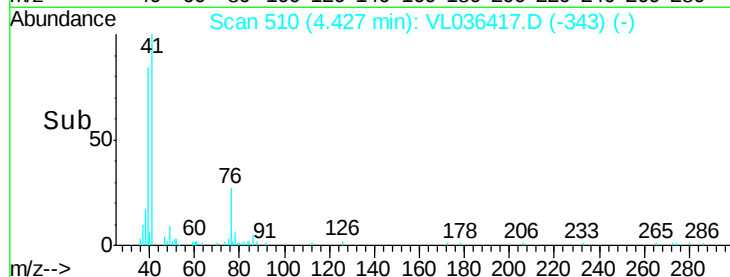
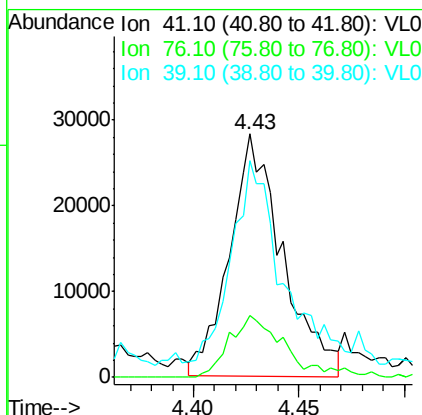
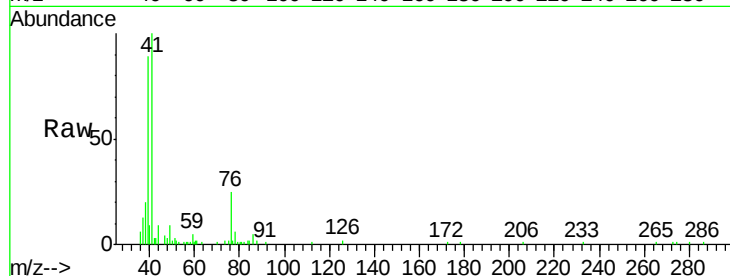
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
41	100		
76	27.3	22.0	33.0
39	91.6	70.2	105.2

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#22

trans-1,2-Dichloroethene

Concen: 0.403 ppbv m

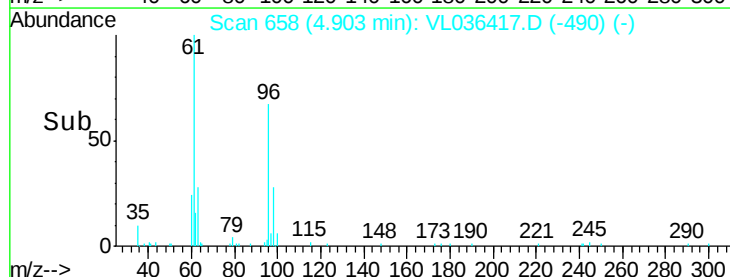
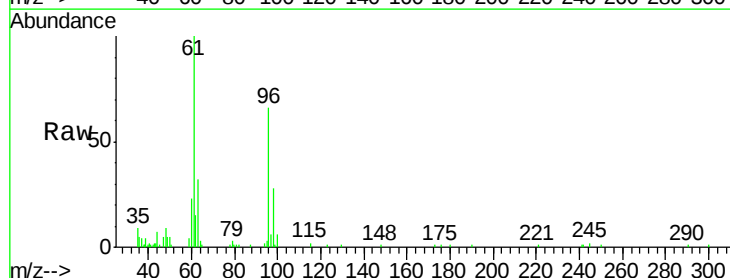
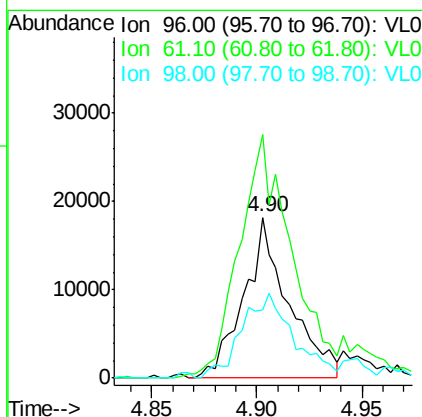
RT: 4.90 min Scan# 658

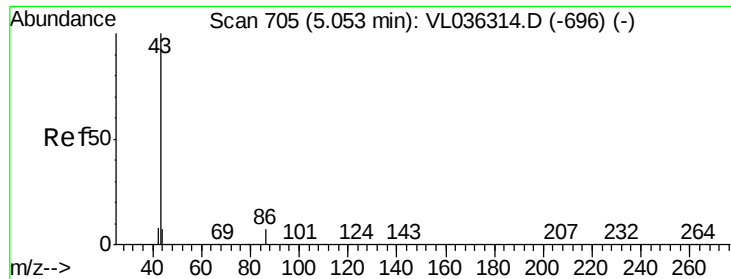
Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	143.7	215.5
98	42.4	48.5	72.7#





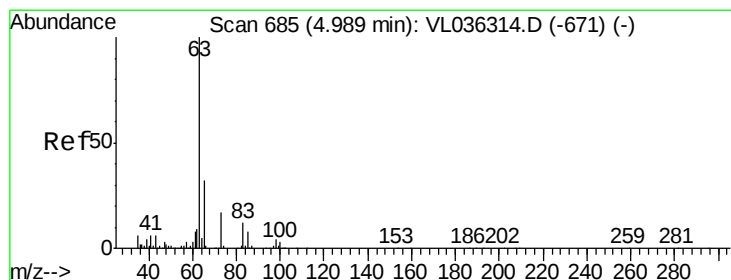
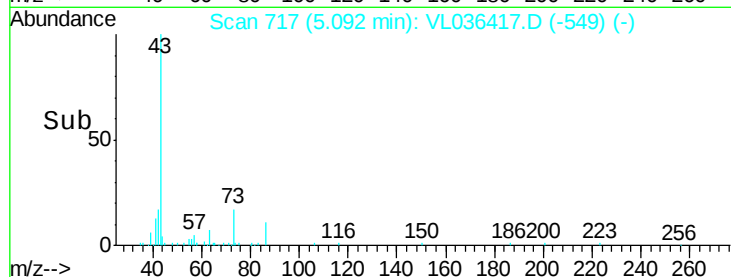
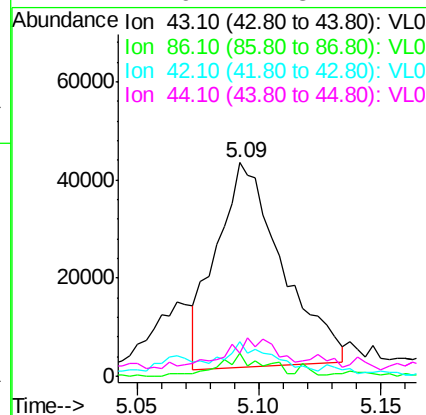
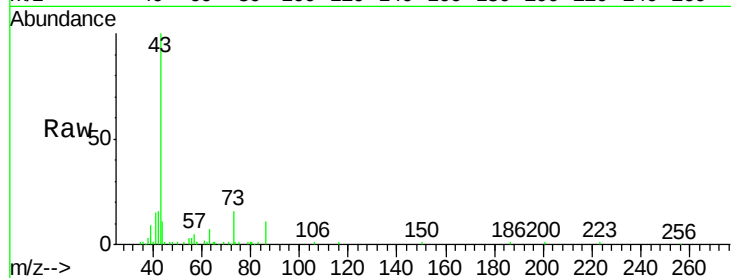
#23
 Vinyl Acetate
 Concen: 0.302 ppbv
 RT: 5.09 min Scan# 717
 Delta R.T. 0.04 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.8	4.8	7.2#
42	15.5	7.4	11.0#
44	7.9	4.8	7.2#

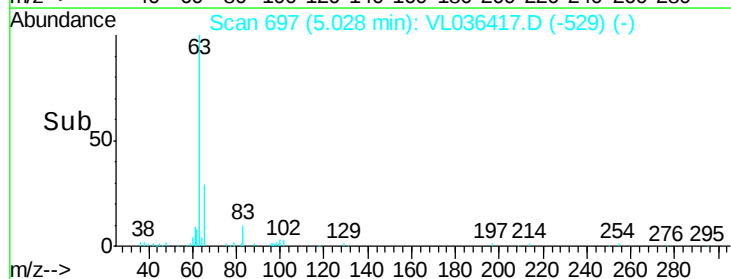
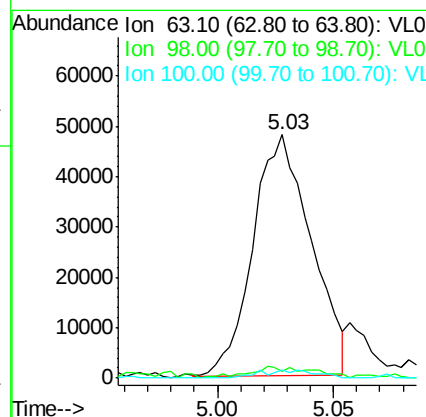
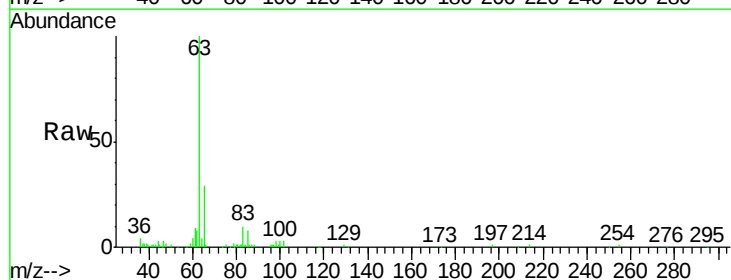
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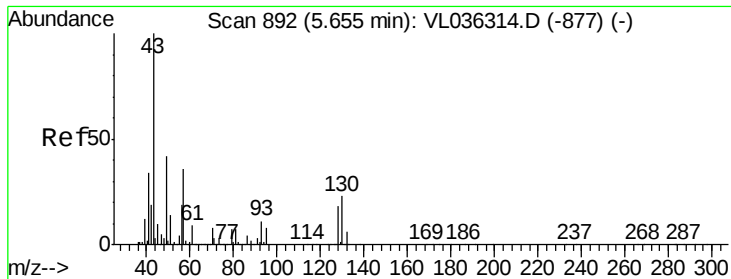
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#24
 1,1-Dichloroethane
 Concen: 0.438 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.04 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
63	100		
98	0.9	2.0	6.0#
100	3.5	1.5	4.4





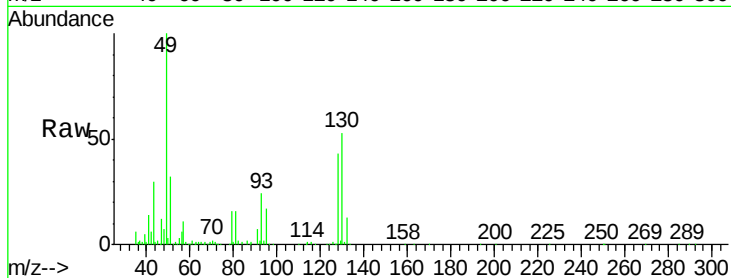
#25
Ethyl Acetate
Concen: 0.397 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

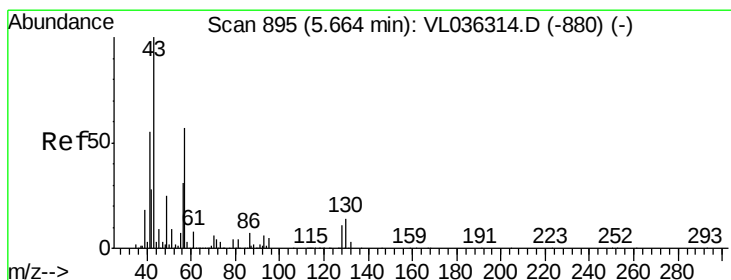
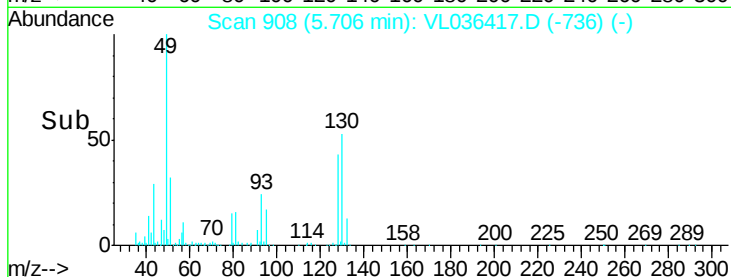
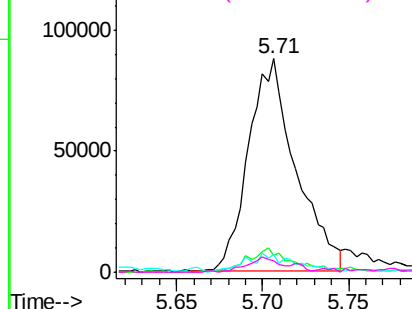
Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.4	8.3	12.5
61	10.1	7.3	10.9
70	6.4	5.4	8.0

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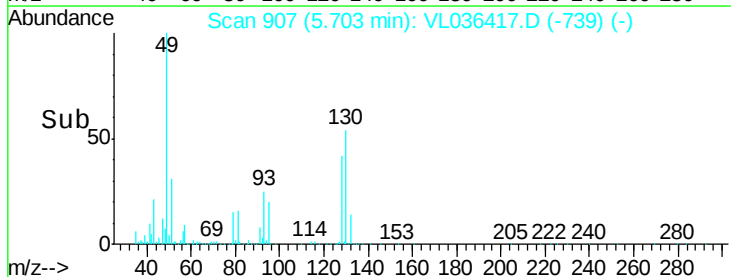
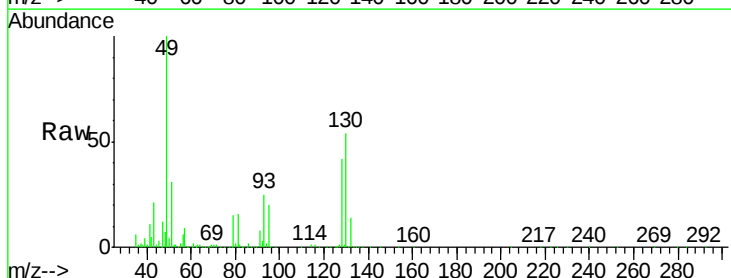
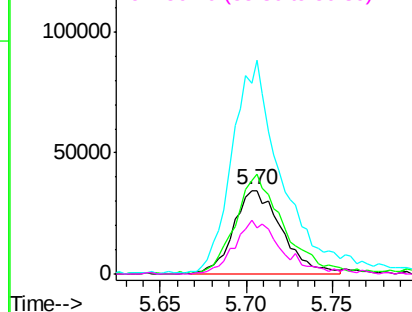
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

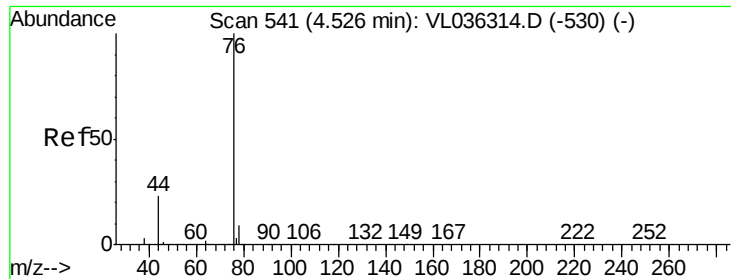


#26
Hexane
Concen: 0.390 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.04 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	126.0	81.7	122.5#
43	276.2	199.1	298.7
56	63.9	44.0	66.0

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





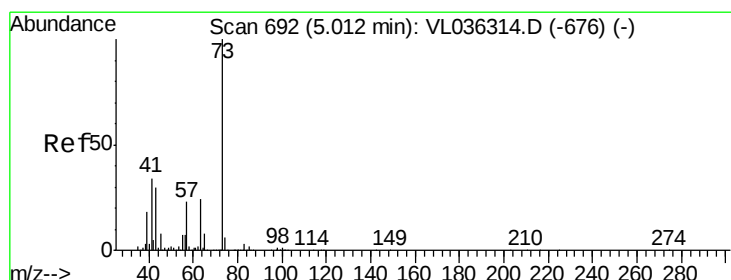
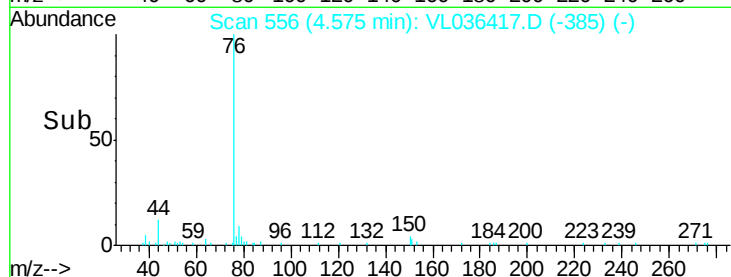
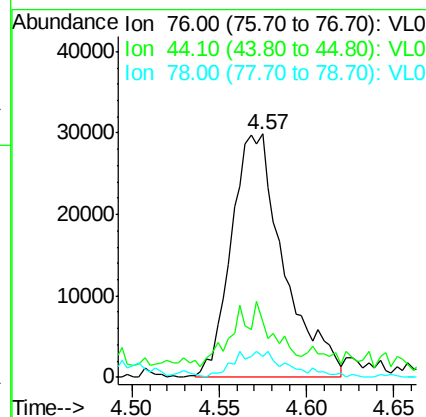
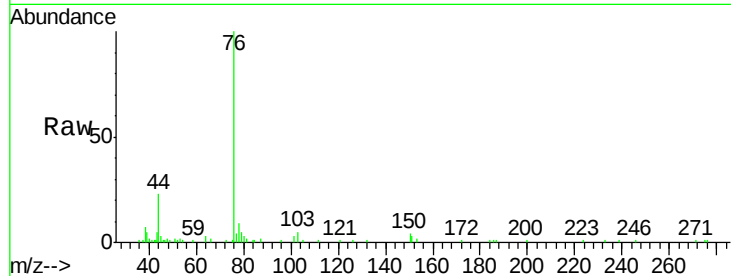
#27
Carbon Disulfide
Concen: 0.390 ppbv m
RT: 4.57 min Scan# 556
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
76	100		
44	0.0	18.4	27.6#
78	0.0	8.0	12.0#

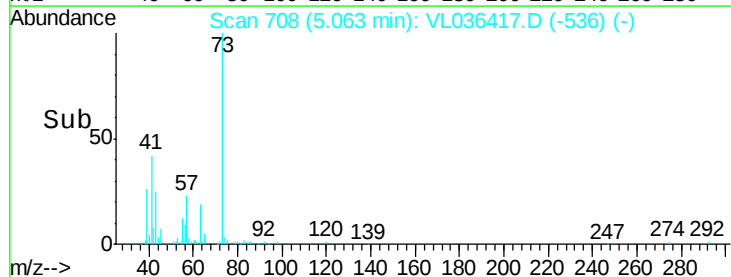
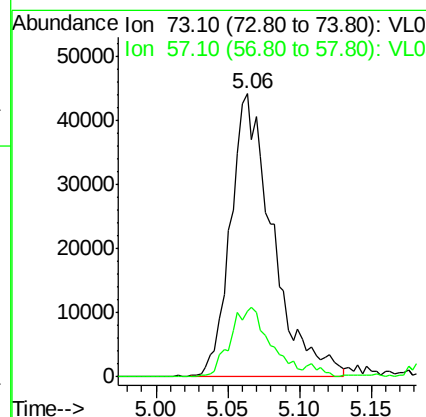
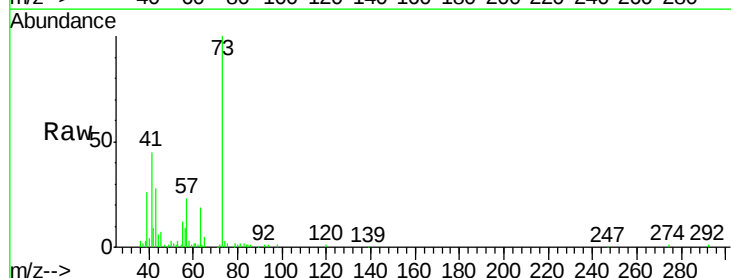
Manual Integrations
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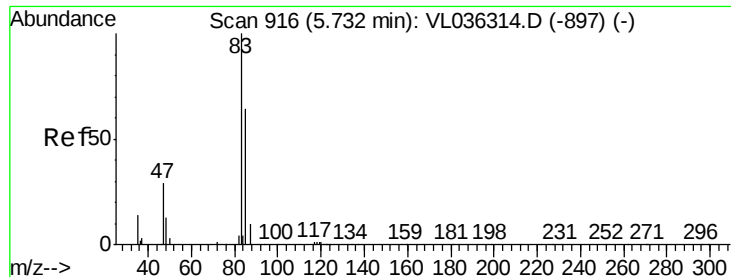
MMDadoda
3/2/2021 3:30:16 PM



#28
Methyl tert-Butyl Ether
Concen: 0.398 ppbv m
RT: 5.06 min Scan# 708
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.6	19.2	28.8





#29

Chloroform

Concen: 0.441 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

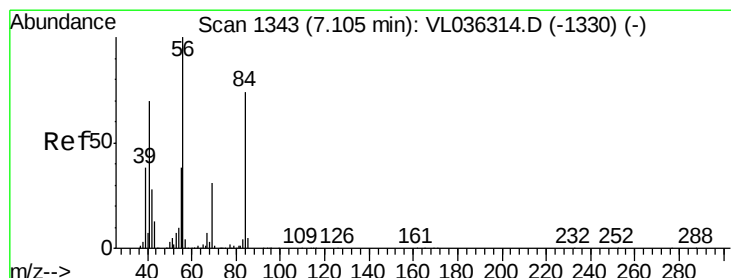
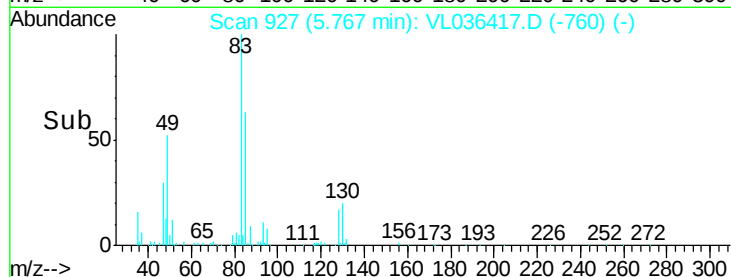
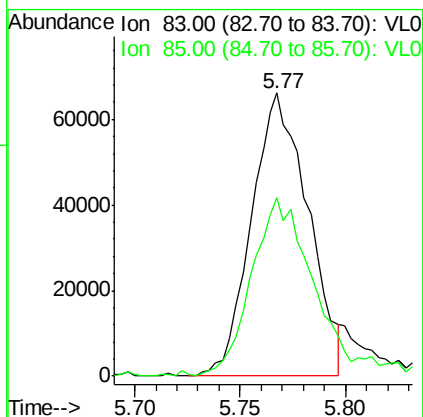
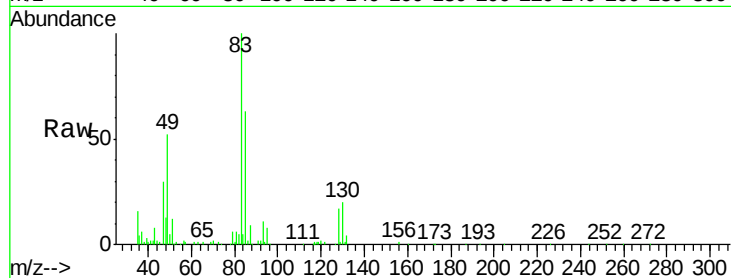
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2

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3/2/2021 3:30:16 PM



#30

Cyclohexane

Concen: 0.454 ppbv m

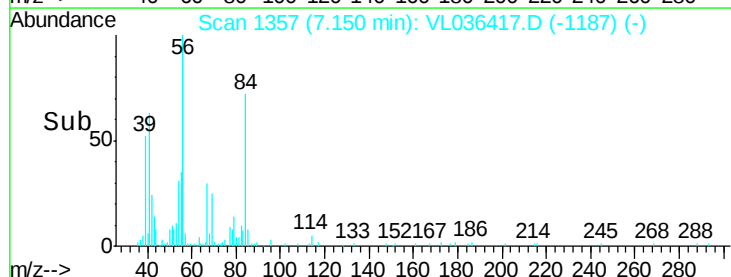
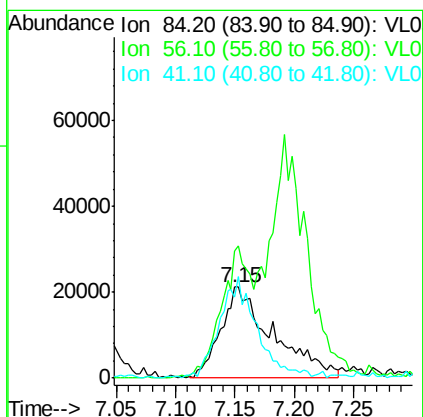
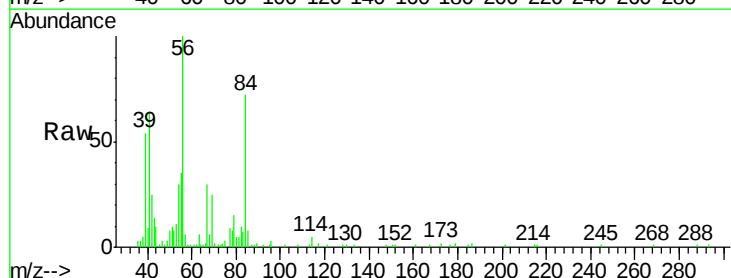
RT: 7.15 min Scan# 1357

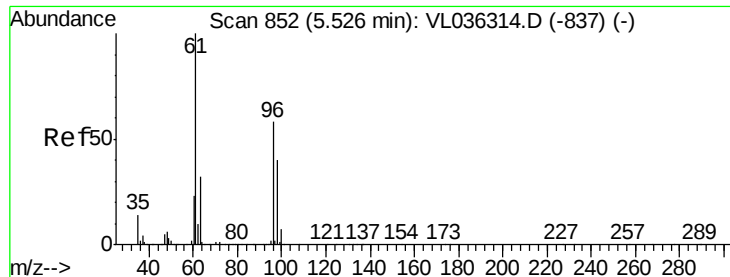
Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
84	100		
56	75.9	120.2	180.4#
41	84.3	79.7	119.5





#31

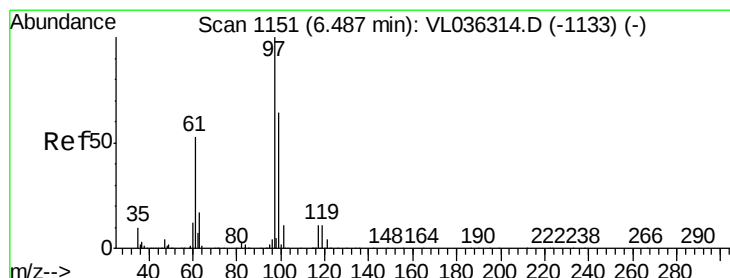
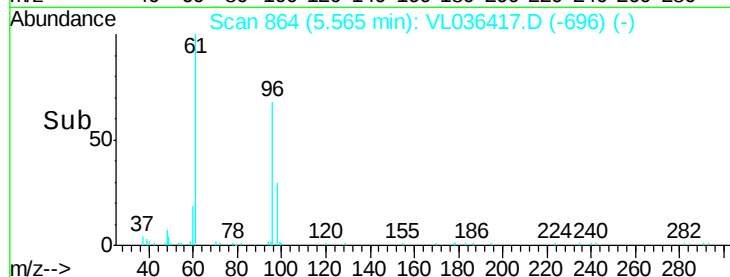
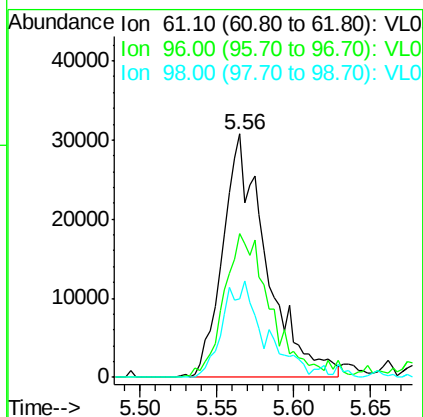
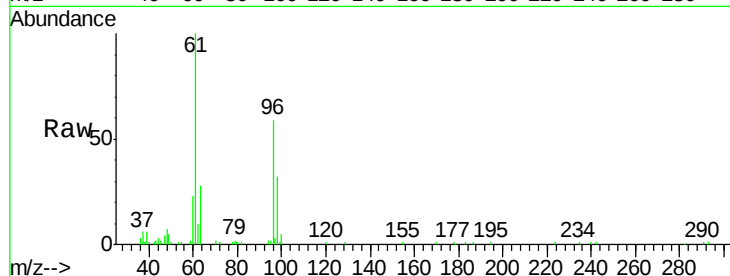
cis-1,2-Dichloroethene
Concen: 0.355 ppbv m
RT: 5.56 min Scan# 864
Delta R.T. 0.04 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.2	46.0	69.0
98	32.1	31.9	47.9

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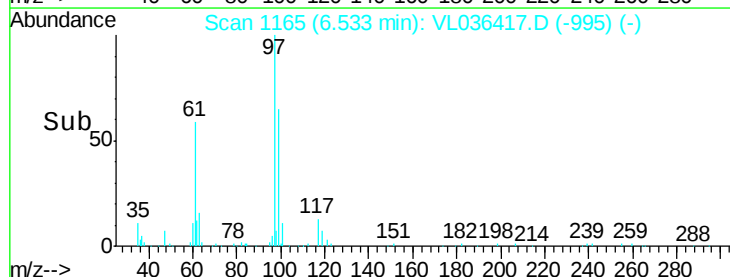
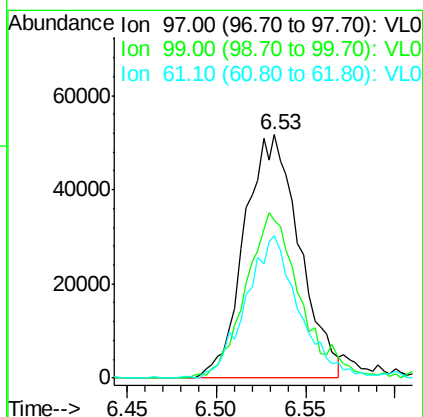
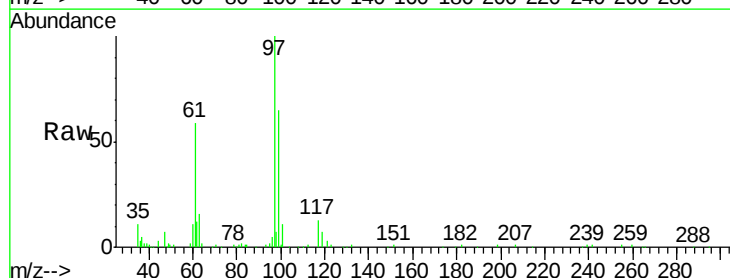
MMDadoda
3/2/2021 3:30:16 PM

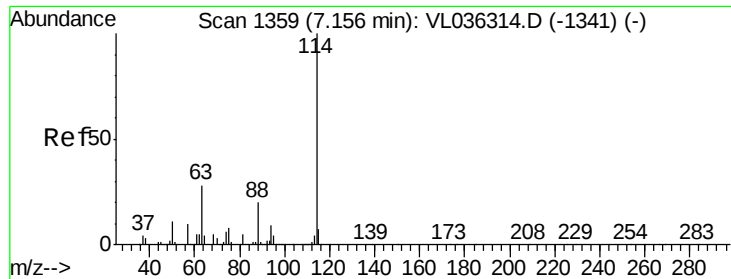


#32

1,1,1-Trichloroethane
Concen: 0.425 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.2	78.4
61	58.0	43.3	64.9





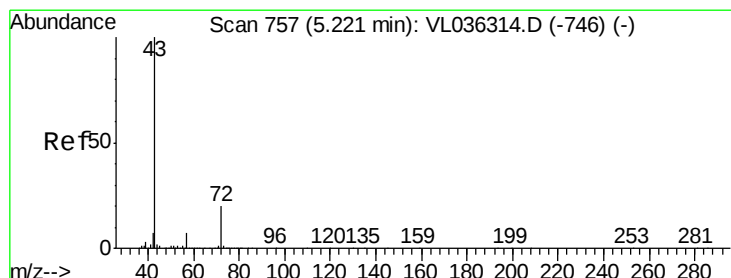
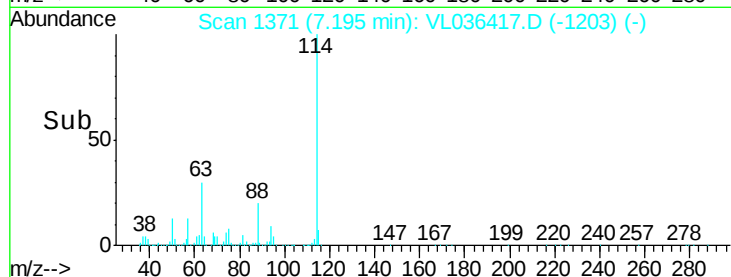
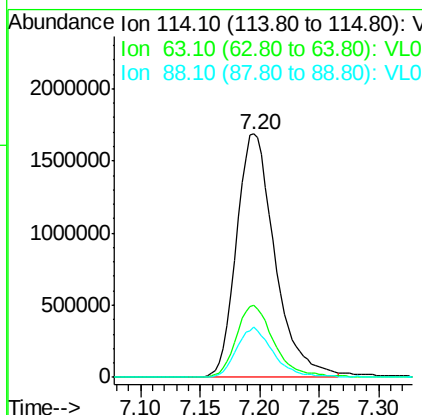
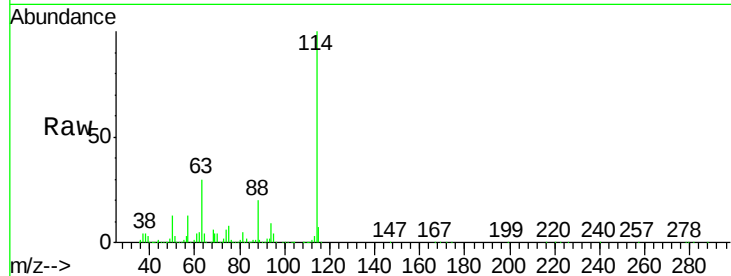
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.04 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion: 114 Resp: 3784068
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 20.0 16.0 24.0

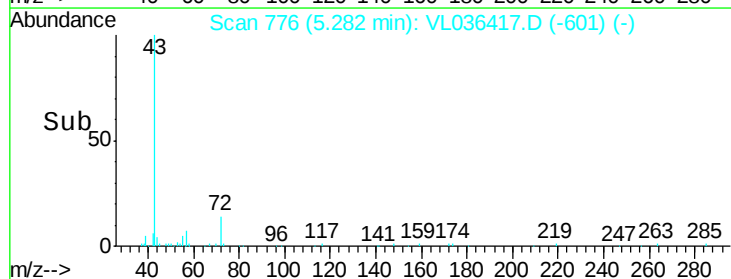
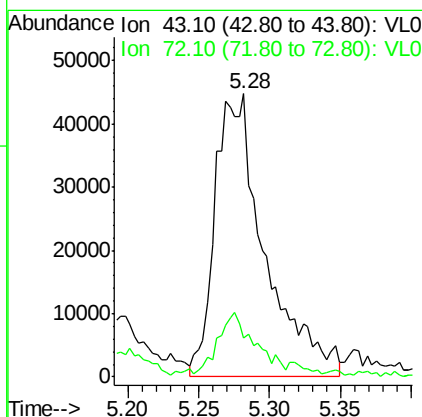
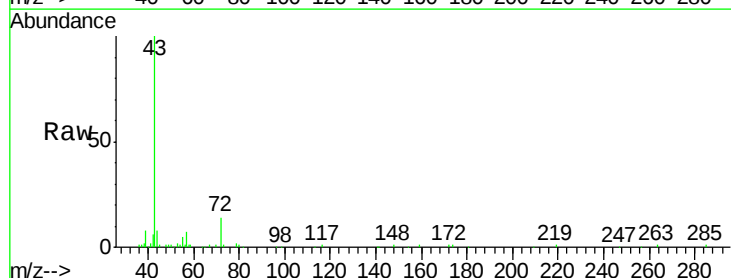
Manual Integrations
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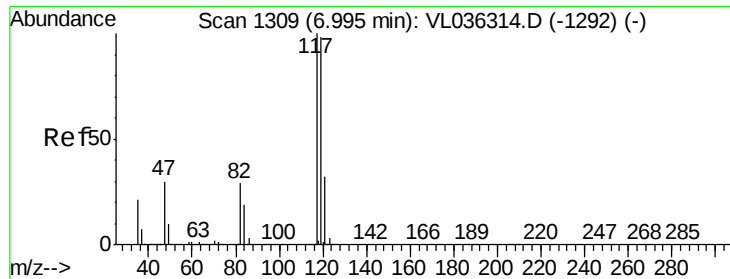
MMDadoda
 3/2/2021 3:30:16 PM



#34
 2-Butanone
 Concen: 0.437 ppbv m
 RT: 5.28 min Scan# 776
 Delta R.T. 0.06 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion: 43 Resp: 109881
 Ion Ratio Lower Upper
 43 100
 72 20.0 16.7 25.1





#35

Carbon Tetrachloride

Concen: 0.455 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

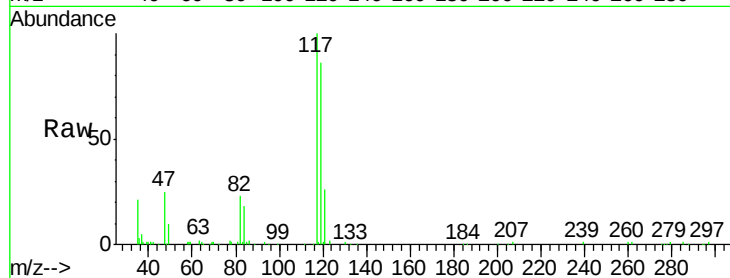
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	117	Resp:	115283
Ion Ratio	Lower	Upper	
117	100		
119	86.4	78.1	117.1
121	25.2	25.8	38.8#

Manual Integrations
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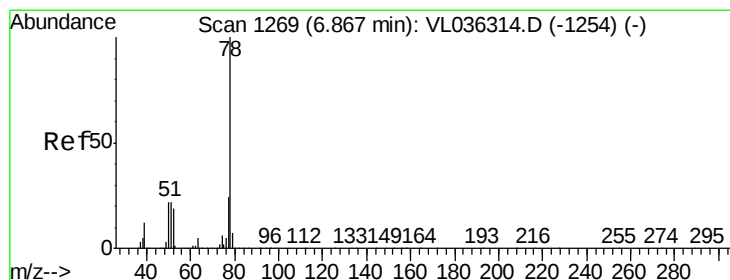
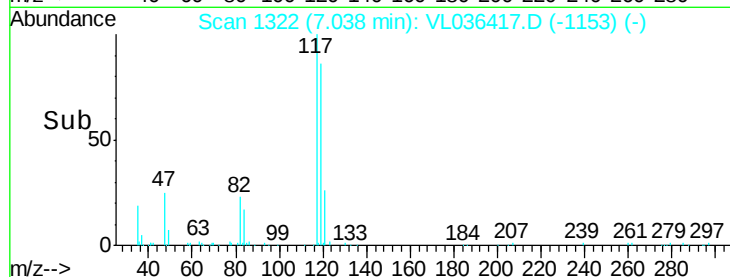
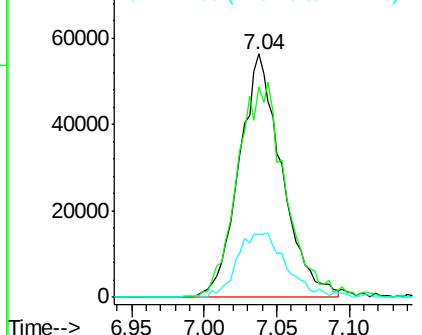
MMDadoda
3/2/2021 3:30:16 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.403 ppbv

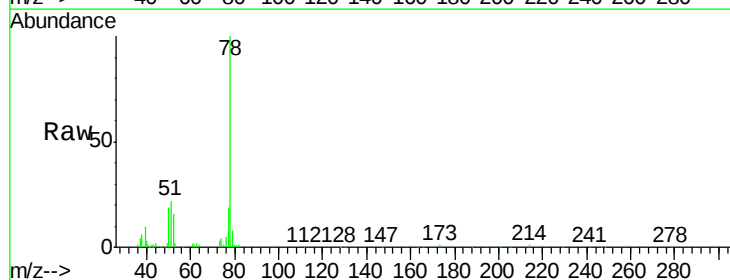
RT: 6.91 min Scan# 1283

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

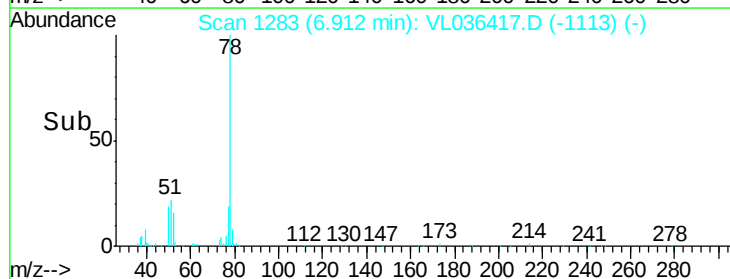
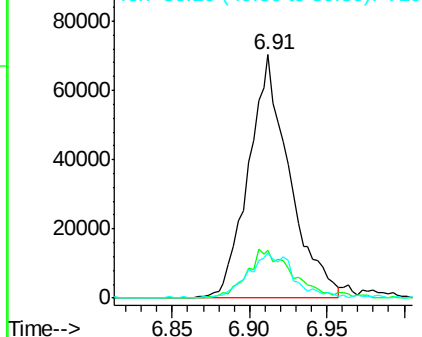
Tgt Ion:	78	Resp:	129545
Ion Ratio	Lower	Upper	
78	100		
77	19.4	18.9	28.3
50	18.5	17.3	25.9

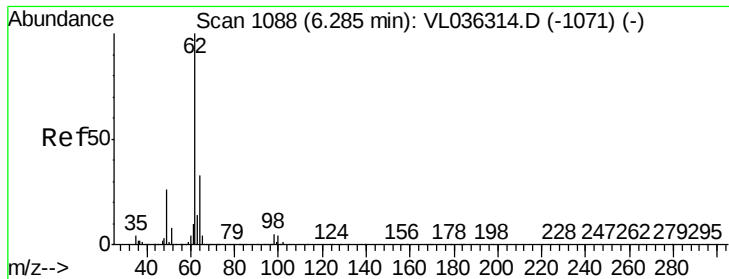


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





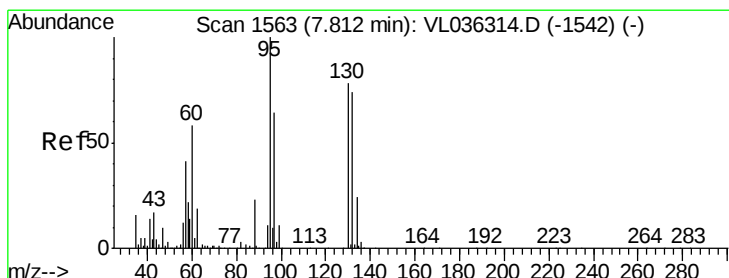
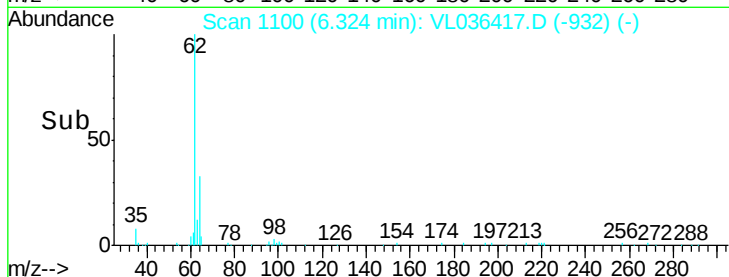
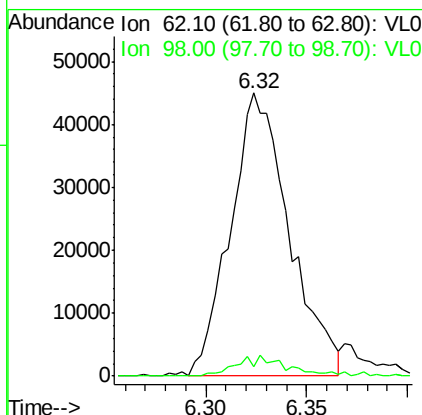
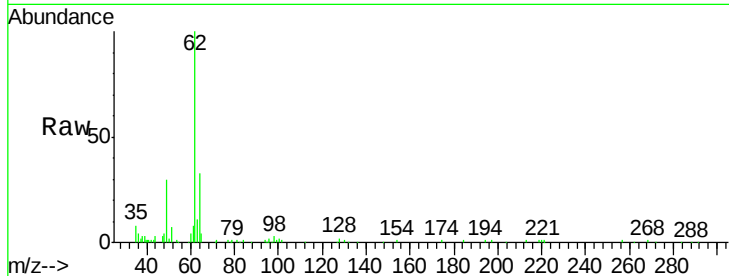
#37
 1,2-Dichloroethane
 Concen: 0.461 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.04 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	4.5	6.7#

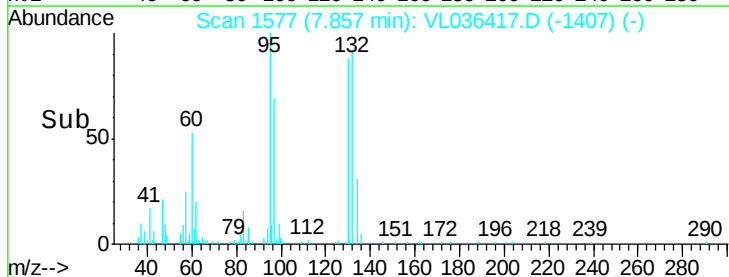
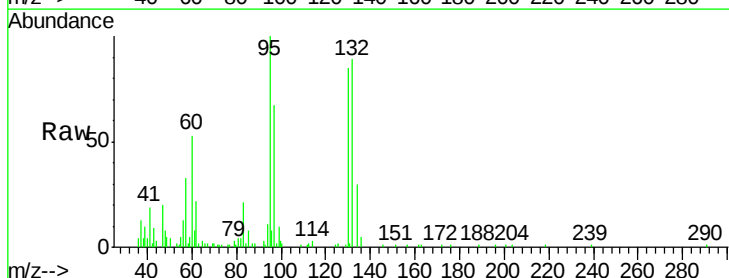
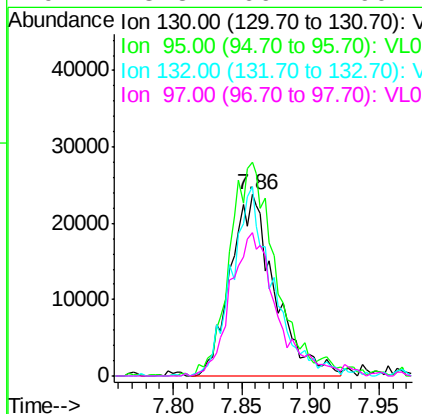
Manual Integrations
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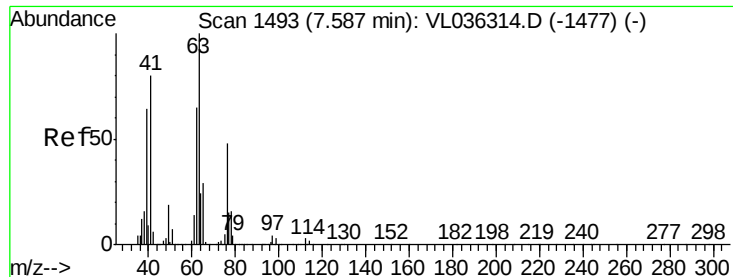
MMDadoda
 3/2/2021 3:30:16 PM



#38
 Trichloroethene
 Concen: 0.467 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.8	102.8	154.2
132	104.6	75.7	113.5
97	78.8	66.2	99.2





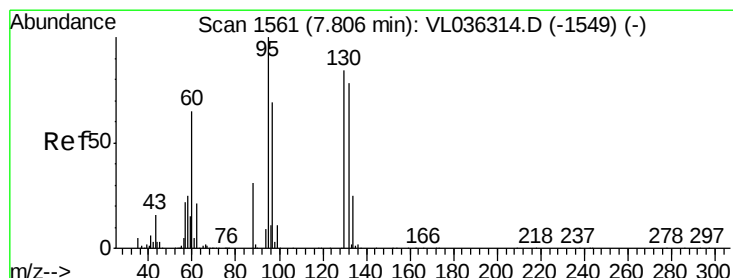
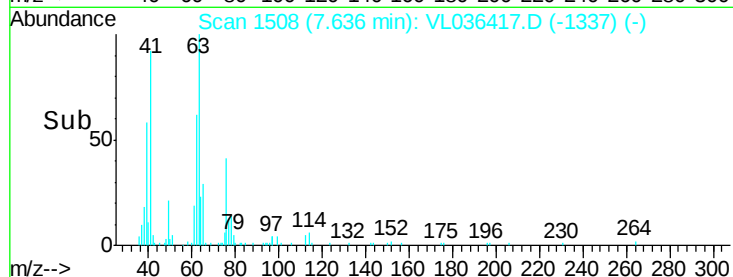
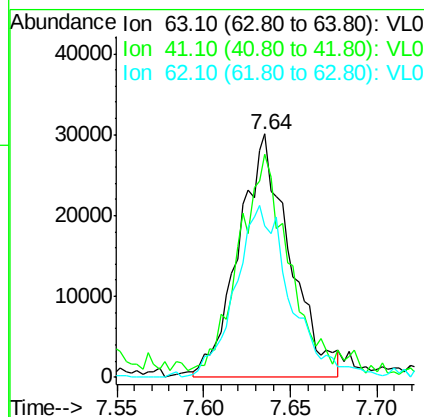
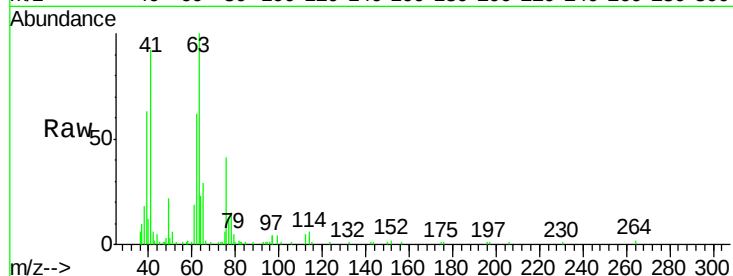
#39
 1,2-Dichloropropane
 Concen: 0.473 ppbv m
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
63	100		
41	91.7	63.8	95.6
62	62.0	52.3	78.5

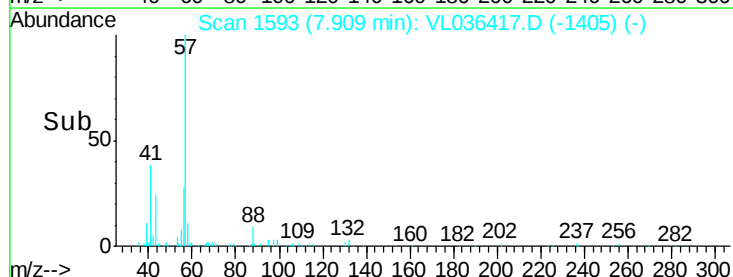
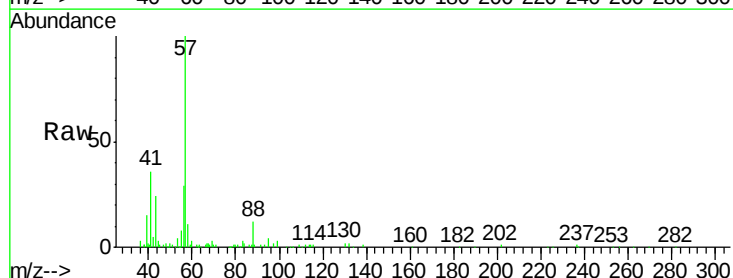
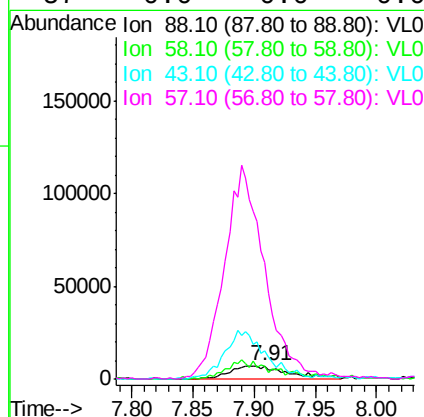
Manual Integrations
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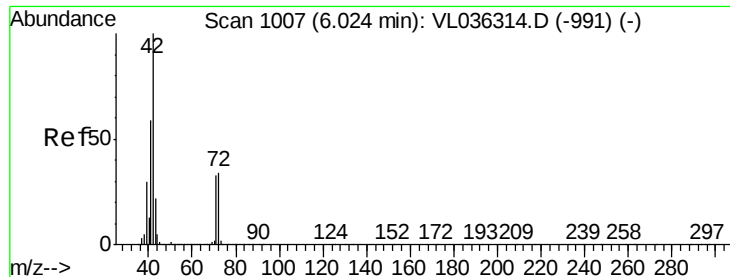
MMDadoda
 3/2/2021 3:30:16 PM



#40
 1,4-Dioxane
 Concen: 0.505 ppbv m
 RT: 7.91 min Scan# 1593
 Delta R.T. 0.10 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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





#41

Tetrahydrofuran

Concen: 0.367 ppbv m

RT: 6.09 min Scan# 1028

Delta R.T. 0.07 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

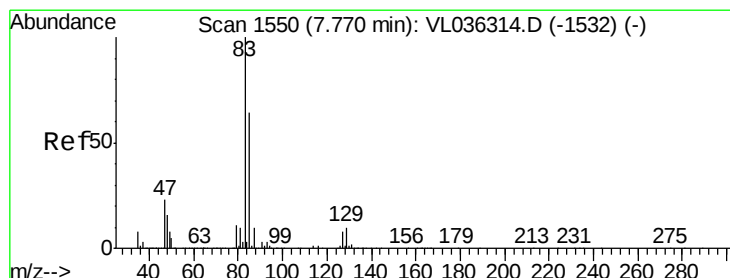
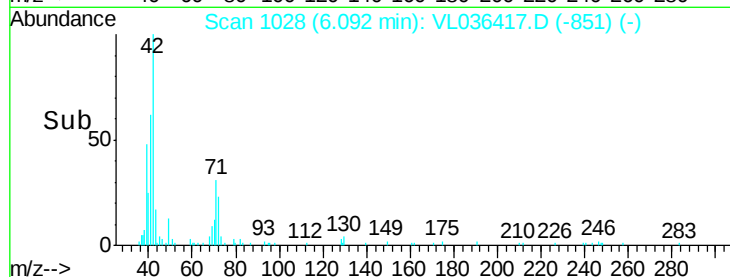
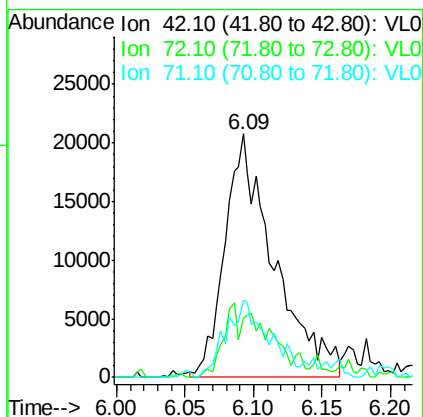
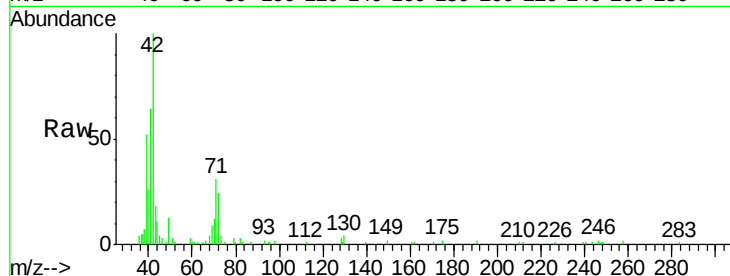
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.0	29.3	43.9
71	32.6	27.8	41.8

Manual Integrations
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3/2/2021 3:30:16 PM



#42

Bromodichloromethane

Concen: 0.448 ppbv

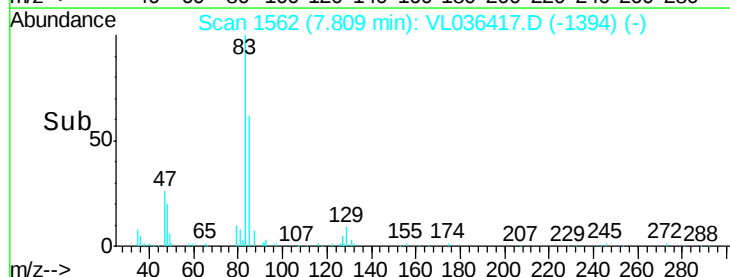
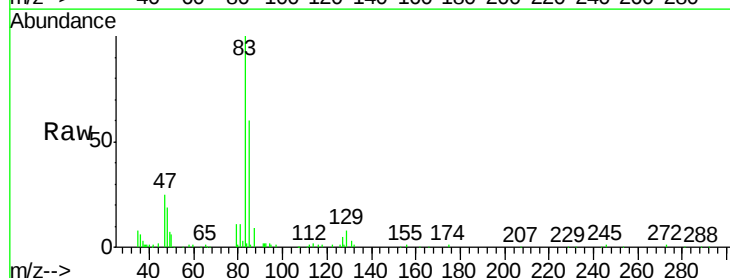
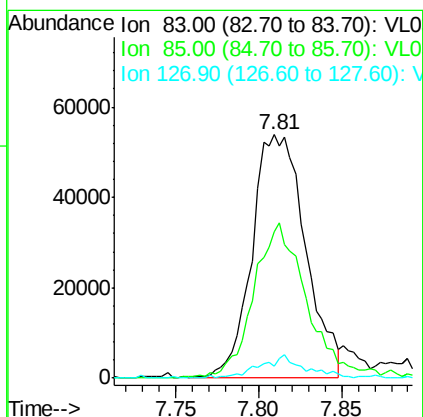
RT: 7.81 min Scan# 1562

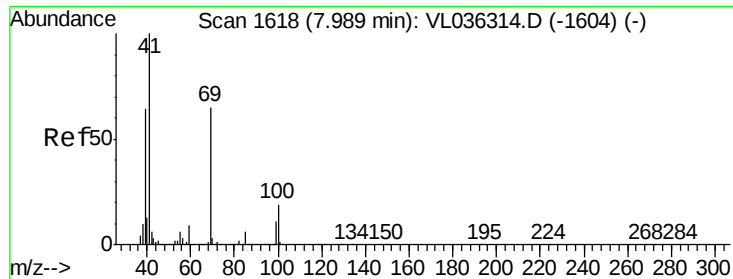
Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.1	76.7
127	5.2	6.3	9.5#





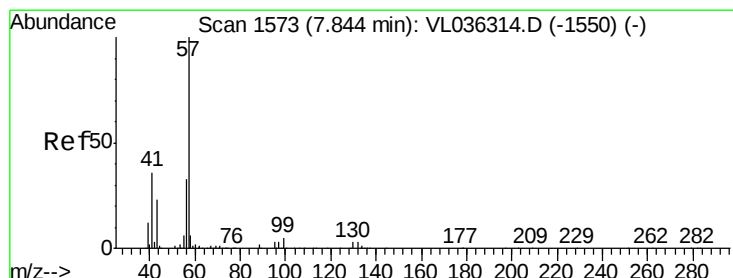
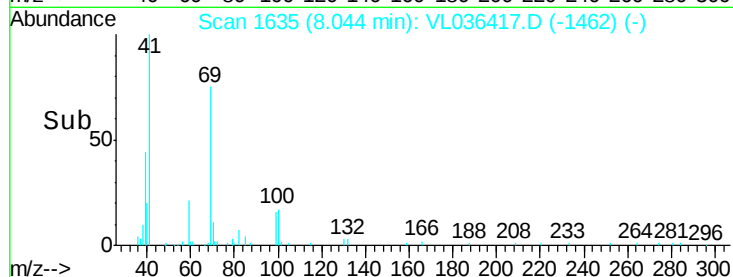
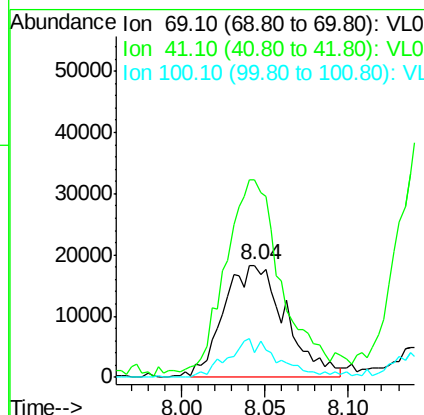
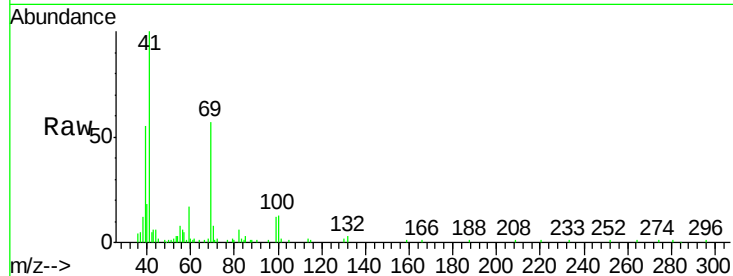
#43
Methyl Methacrylate
Concen: 0.349 ppbv m
RT: 8.04 min Scan# 1635
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.5	189.7#
100	0.0	23.1	34.7#

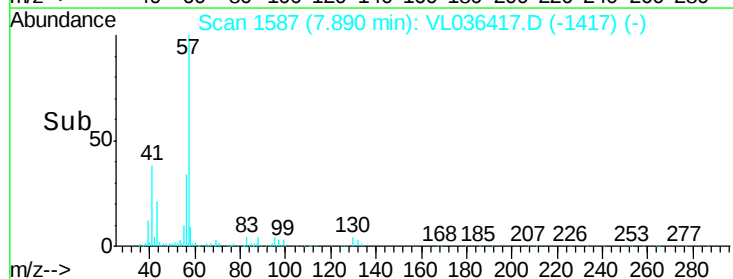
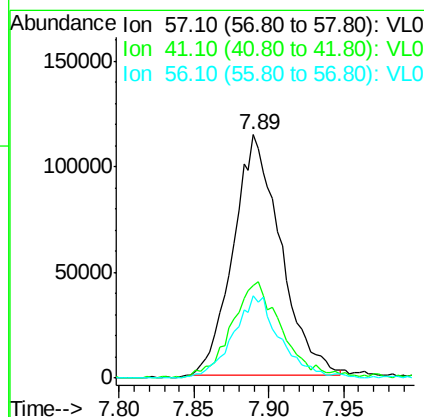
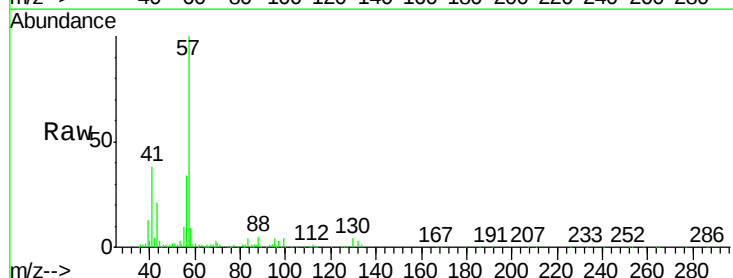
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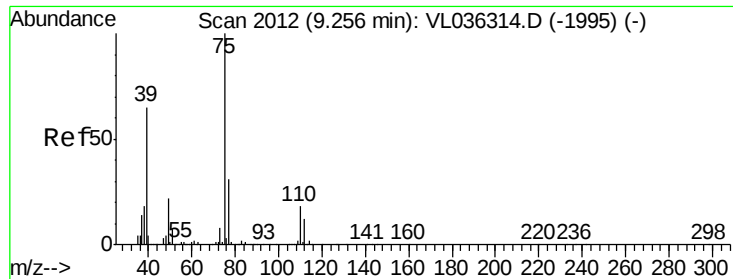
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#44
2,2,4-Trimethylpentane
Concen: 0.432 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	43.1	28.8	43.2
56	34.1	25.8	38.6





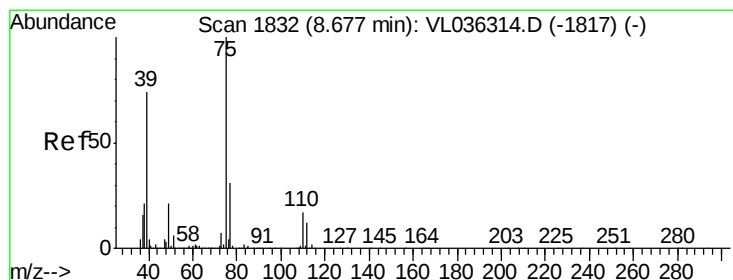
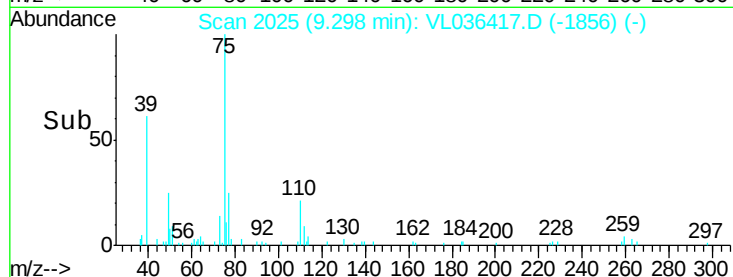
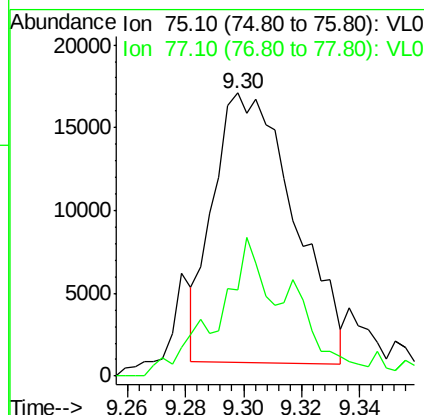
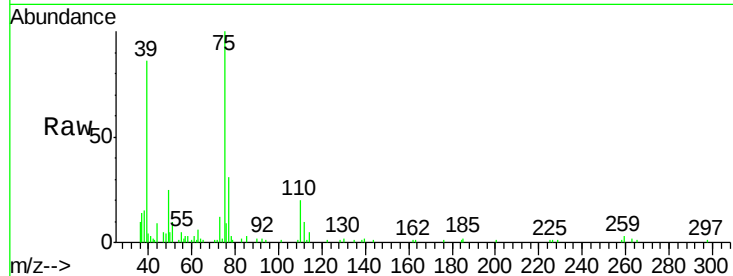
#45
t-1,3-Dichloropropene
Concen: 0.241 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.04 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion: 75 Resp: 31528
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

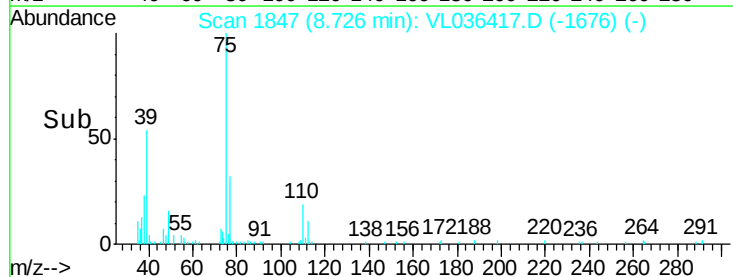
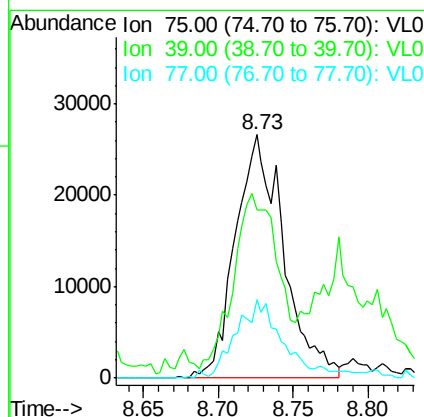
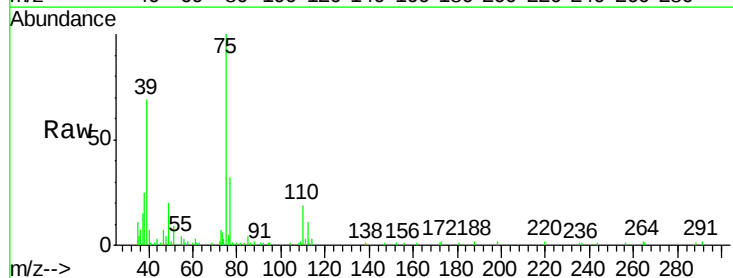
Manual Integrations
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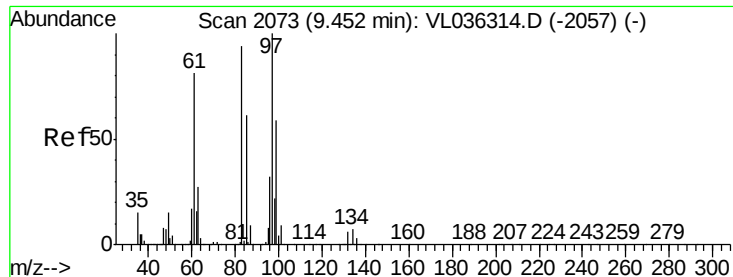
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#46
cis-1,3-Dichloropropene
Concen: 0.358 ppbv m
RT: 8.73 min Scan# 1847
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion: 75 Resp: 59480
Ion Ratio Lower Upper
75 100
39 68.8 59.2 88.8
77 32.1 25.0 37.6





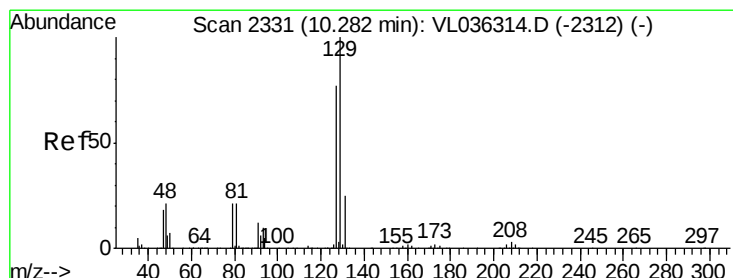
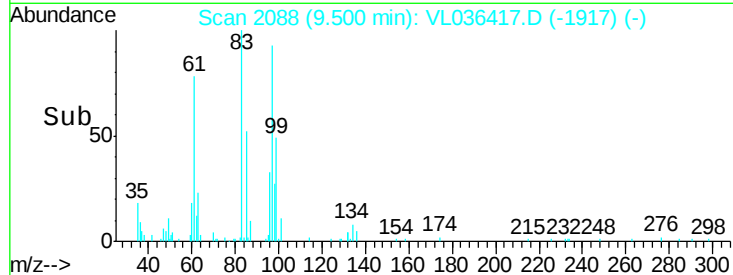
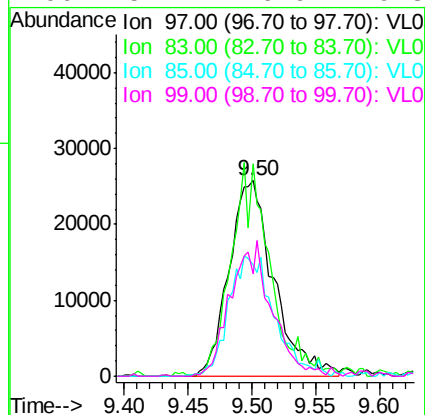
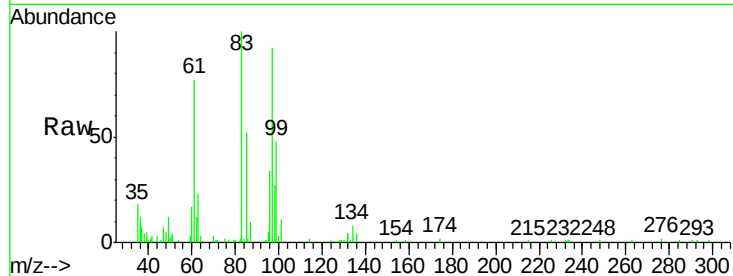
#47
 1,1,2-Trichloroethane
 Concen: 0.471 ppbv m
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	108.8	75.4	113.0
85	56.9	48.9	73.3
99	52.2	46.9	70.3

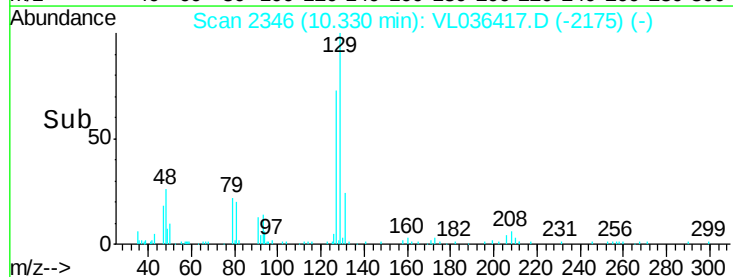
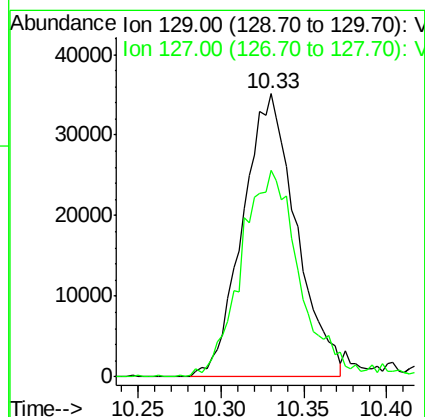
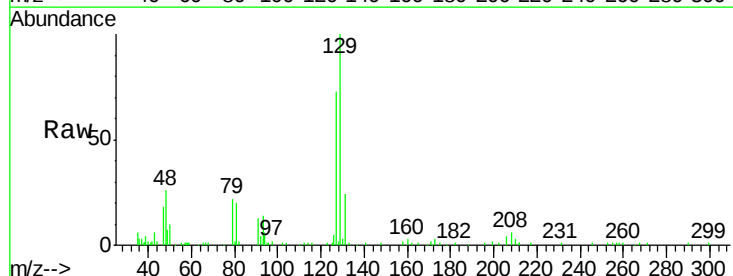
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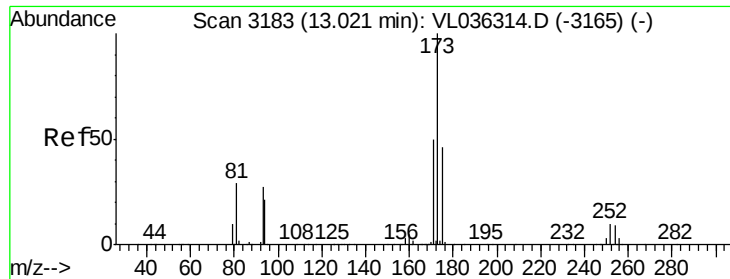
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.395 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.7	39.1	117.2





#49

Bromoform

Concen: 0.388 ppbv m

RT: 13.06 min Scan# 3196

Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

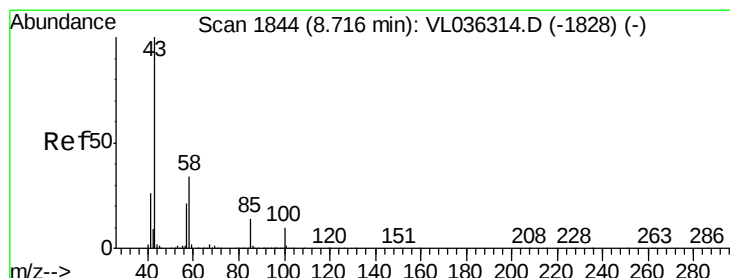
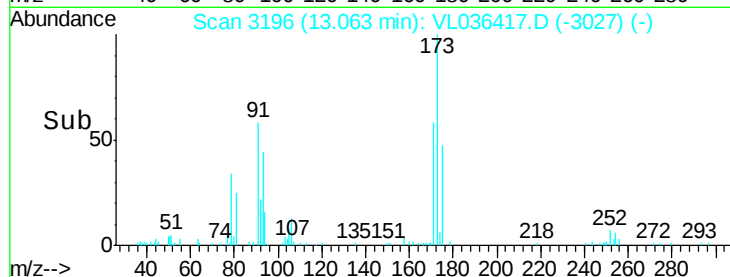
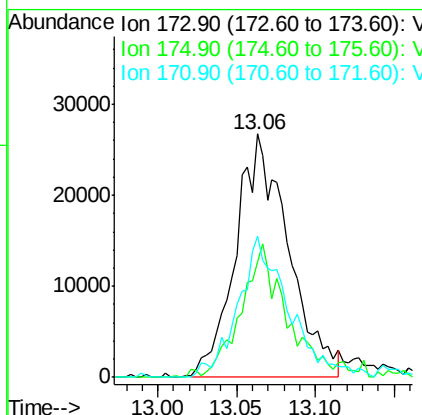
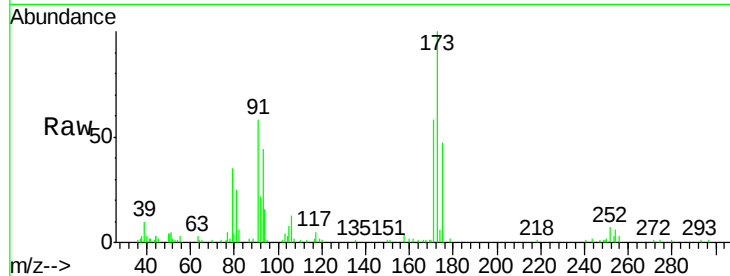
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	173	Resp:	62510
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.2	60.2#
171	0.0	43.4	65.2#

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#50

4-Methyl-2-Pentanone

Concen: 0.390 ppbv m

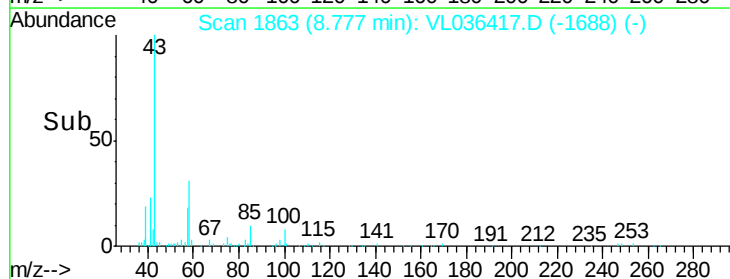
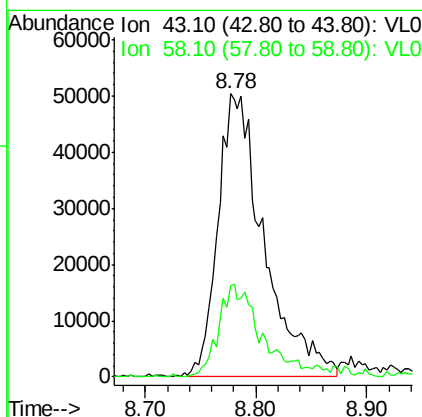
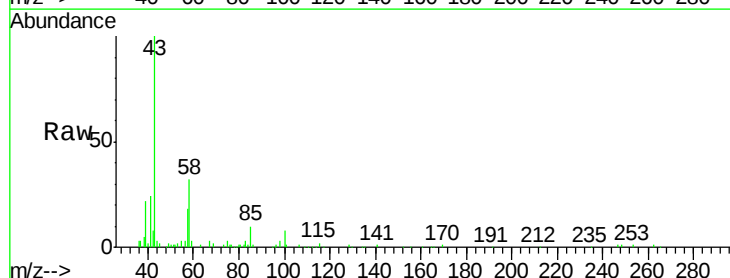
RT: 8.78 min Scan# 1863

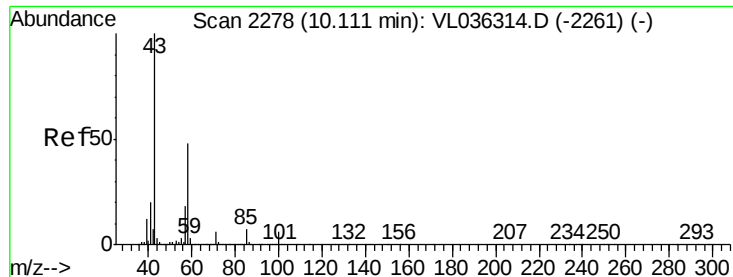
Delta R.T. 0.06 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion:	43	Resp:	145528
Ion Ratio	Lower	Upper	
43	100		
58	32.7	27.8	41.6





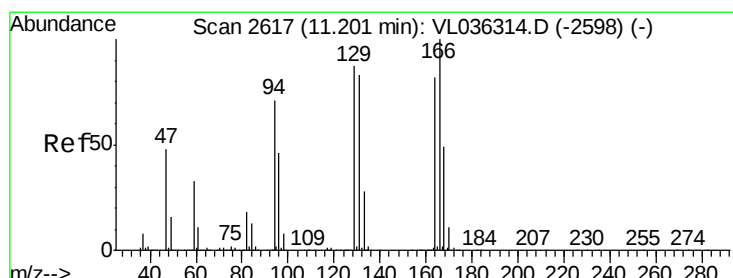
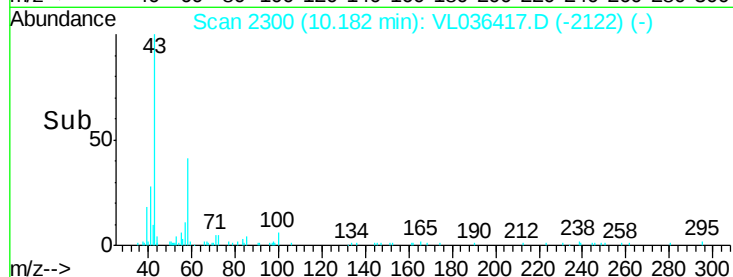
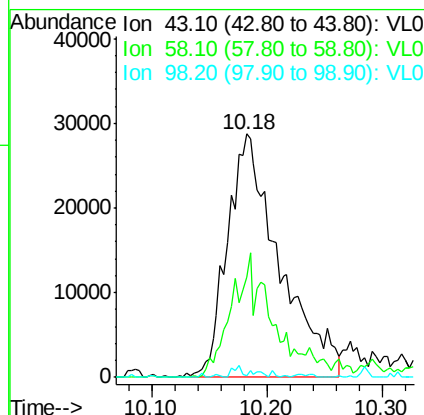
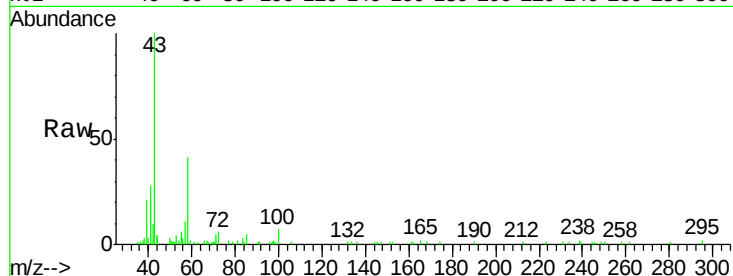
#51
2-Hexanone
Concen: 0.318 ppbv m
RT: 10.18 min Scan# 2300
Delta R.T. 0.07 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	38.7	58.1
98	2.4	0.4	0.6

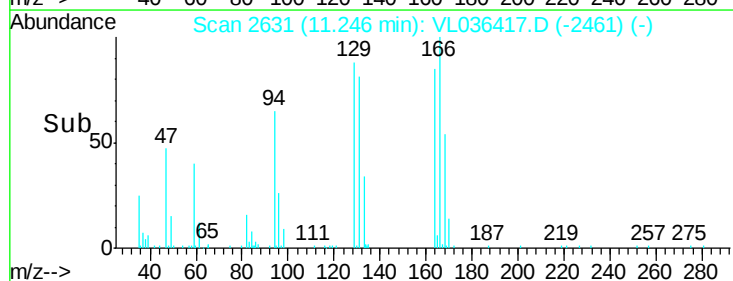
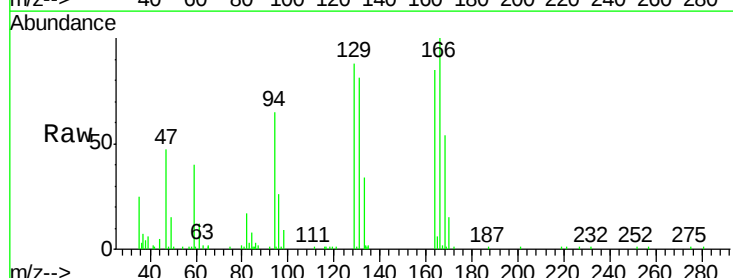
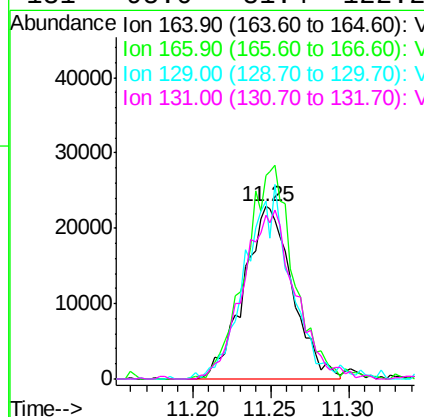
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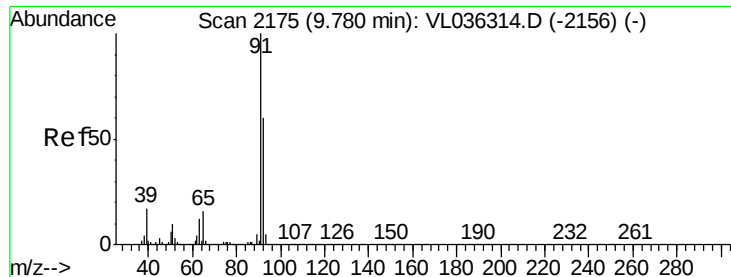
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#52
Tetrachloroethene
Concen: 0.423 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.7	97.8	146.8
129	103.4	84.9	127.3
131	95.0	81.4	122.2





#53

Toluene

Concen: 0.346 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 91 Resp: 120350

Ion Ratio Lower Upper

91 100

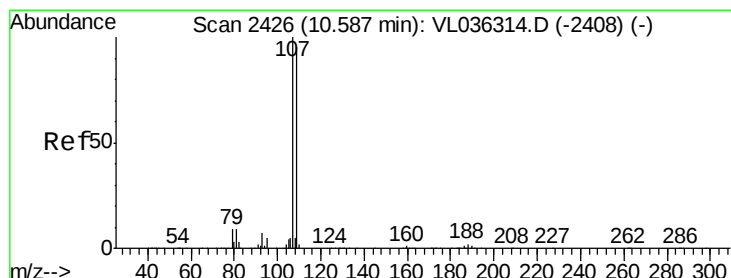
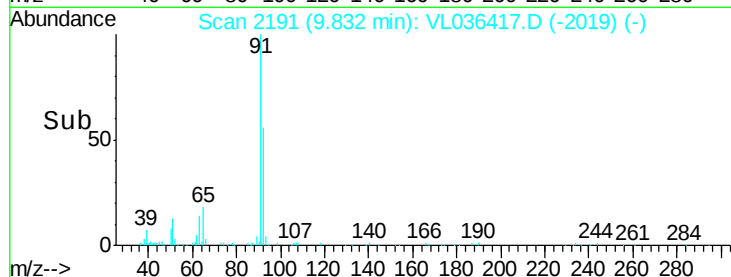
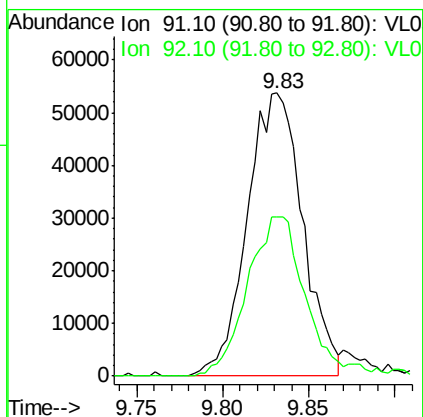
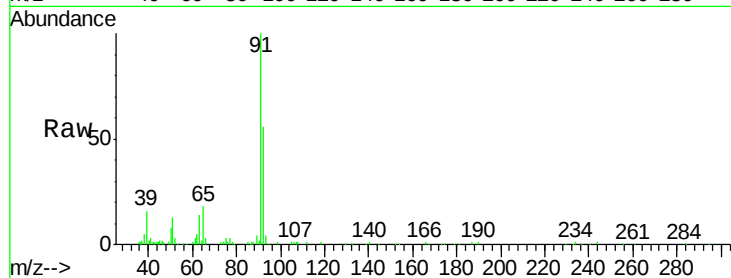
92 60.2 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 0.427 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.05 min

Lab File: VL036417.D

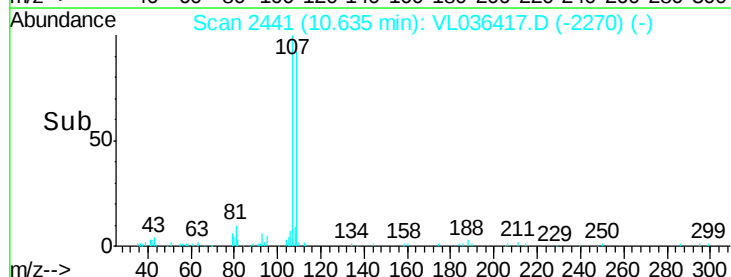
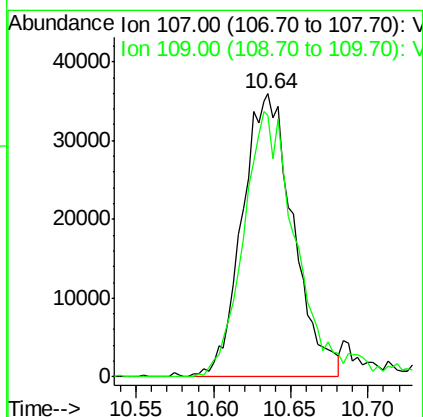
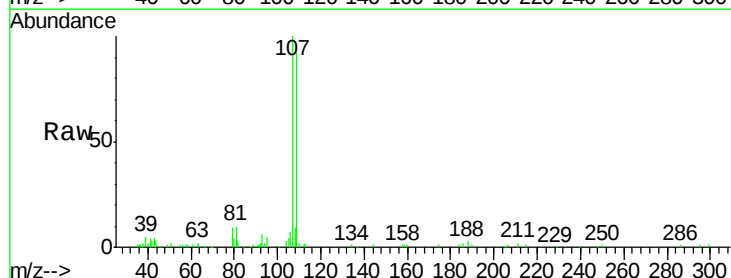
Acq: 1 Mar 2021 16:38

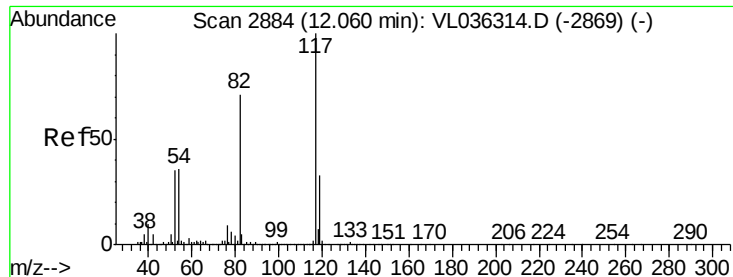
Tgt Ion: 107 Resp: 82367

Ion Ratio Lower Upper

107 100

109 92.5 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:117 Resp: 3389990

Ion Ratio Lower Upper

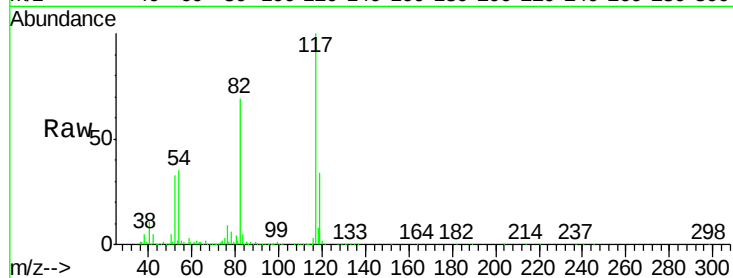
117 100

82 71.8 59.1 88.7

119 35.1 46.3 69.5#

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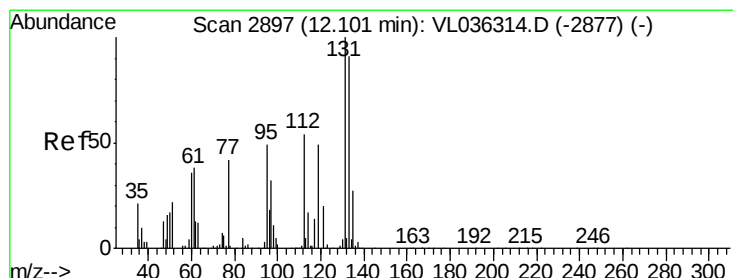
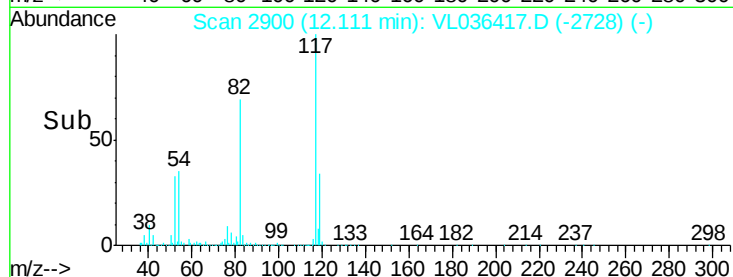
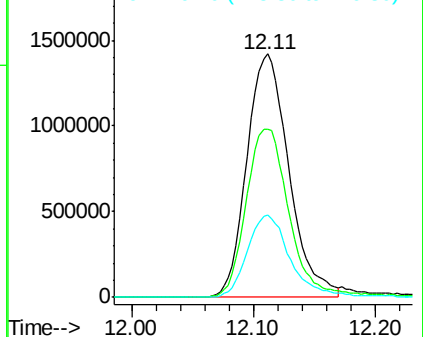
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.479 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

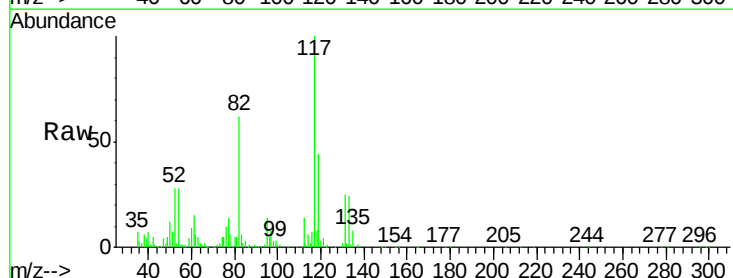
Tgt Ion:131 Resp: 74698

Ion Ratio Lower Upper

131 100

133 104.1 76.0 114.0

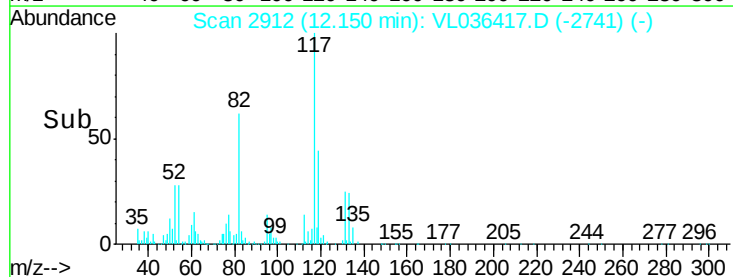
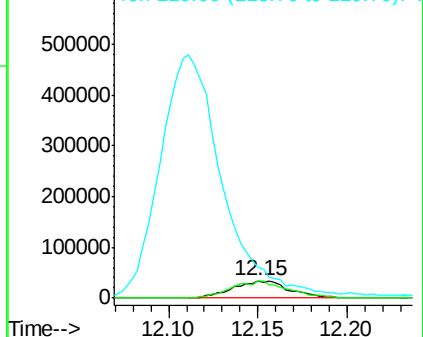
119 1590.9 115.1 172.7#

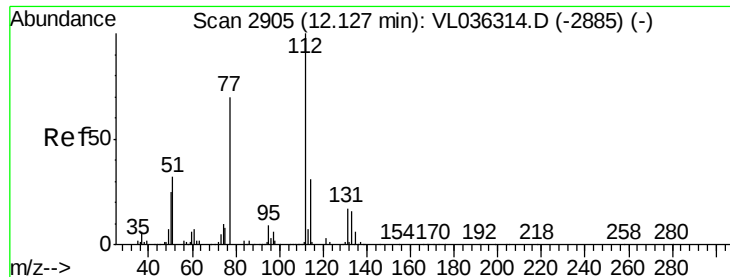


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.505 ppbv m

RT: 12.17 min Scan# 2917

Delta R.T. 0.04 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

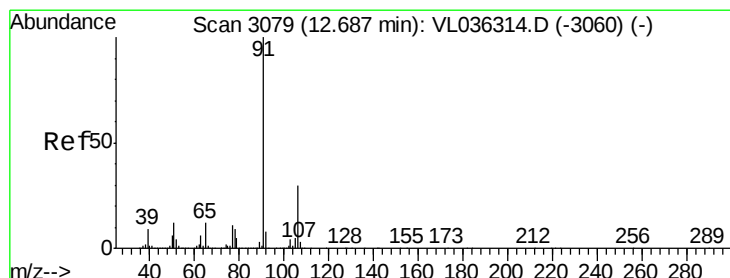
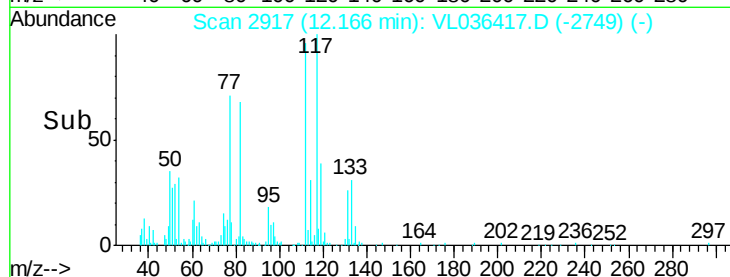
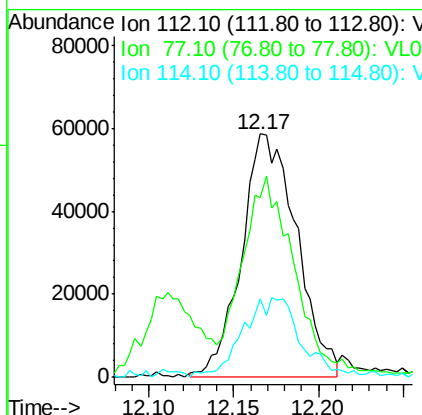
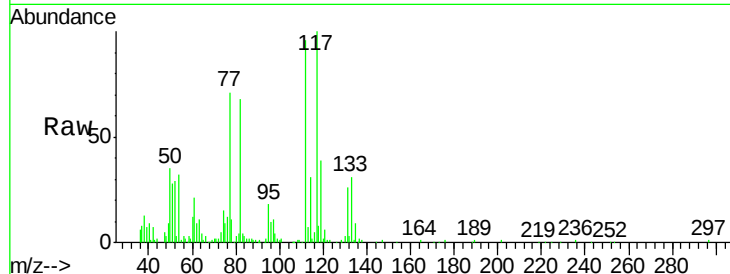
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	112	Resp:	132288
Ion Ratio	Lower	Upper	
112	100		
77	73.8	56.1	84.1
114	32.1	28.3	34.5

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#58

Ethyl Benzene

Concen: 0.377 ppbv

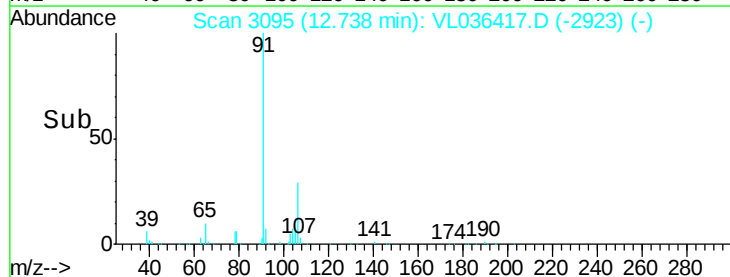
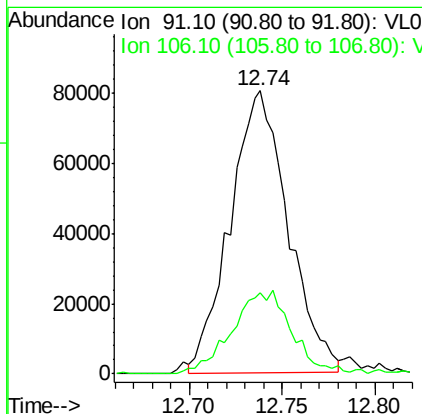
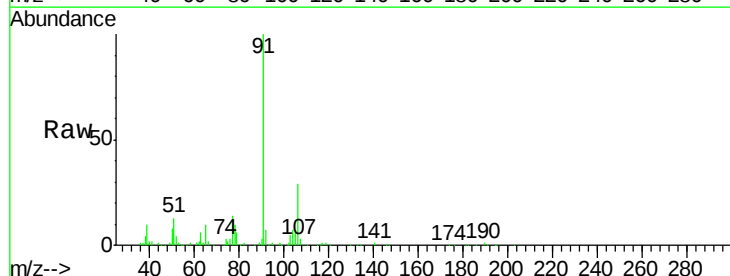
RT: 12.74 min Scan# 3095

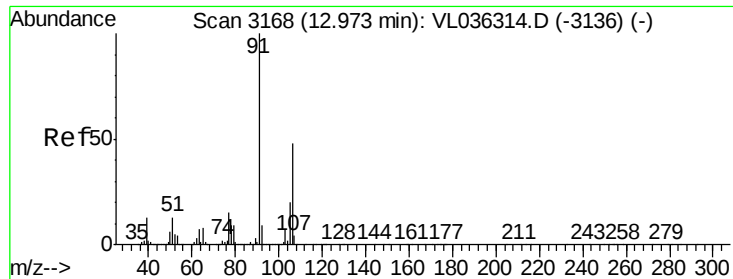
Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion:	91	Resp:	174802
Ion Ratio	Lower	Upper	
91	100		
106	27.7	23.8	35.6





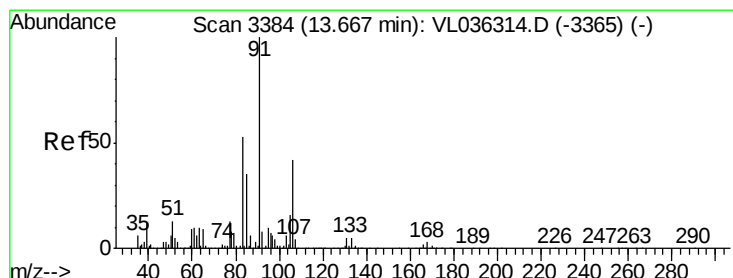
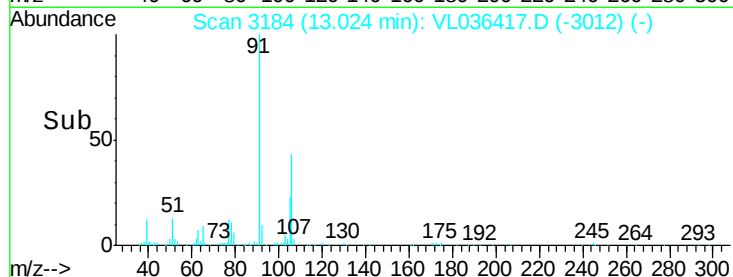
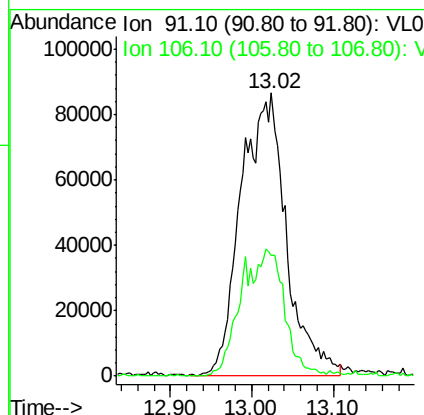
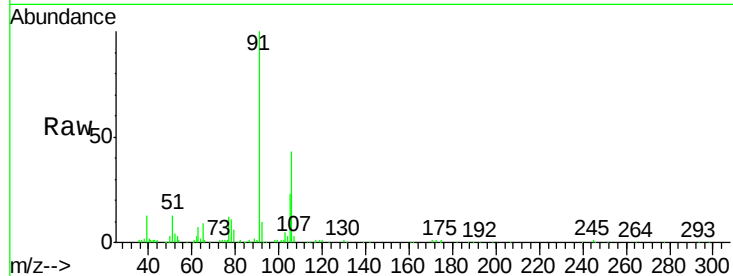
#59
m/p-Xylene
Concen: 0.819 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion: 91 Resp: 333946
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

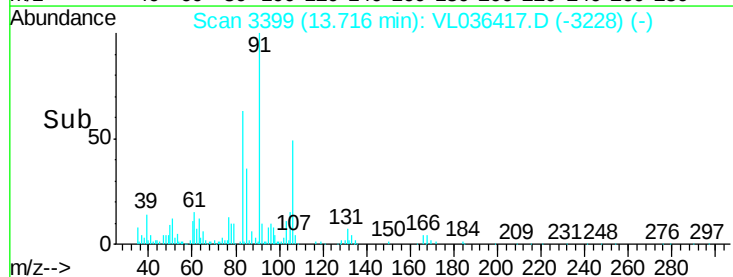
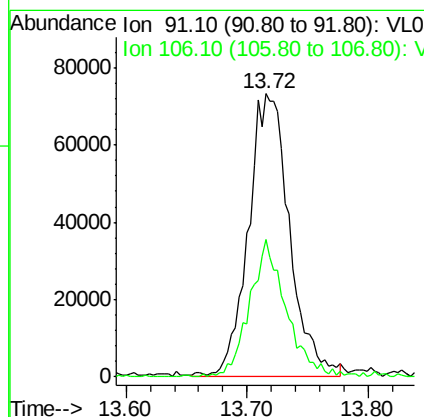
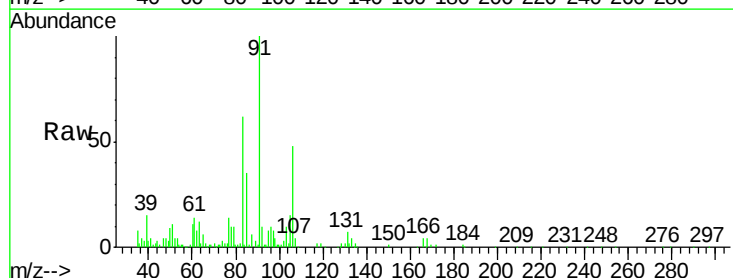
Manual Integrations
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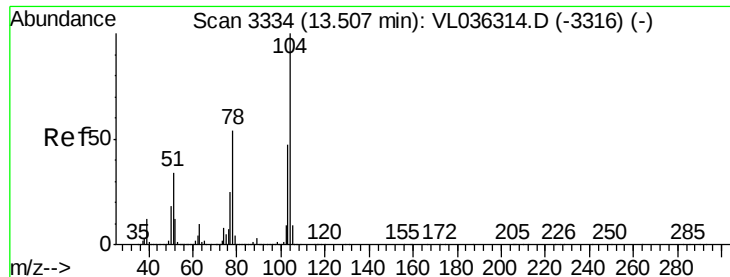
MMDadoda
3/2/2021 3:30:16 PM



#60
o-Xylene
Concen: 0.450 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion: 91 Resp: 175276
Ion Ratio Lower Upper
91 100
106 43.2 22.0 66.0





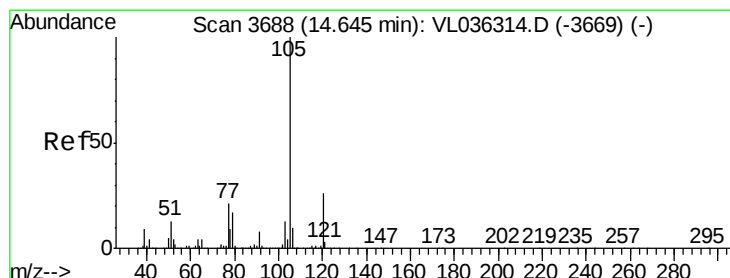
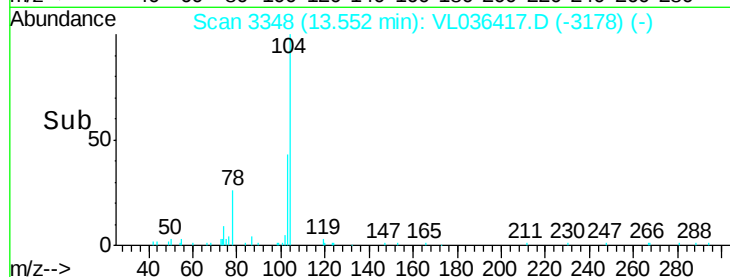
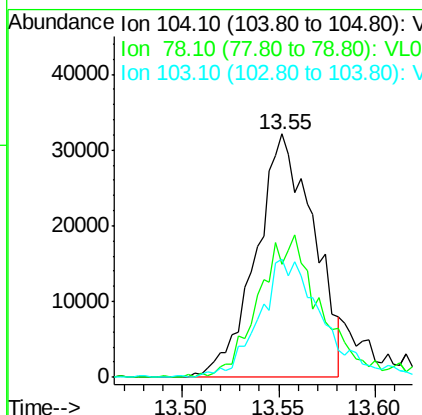
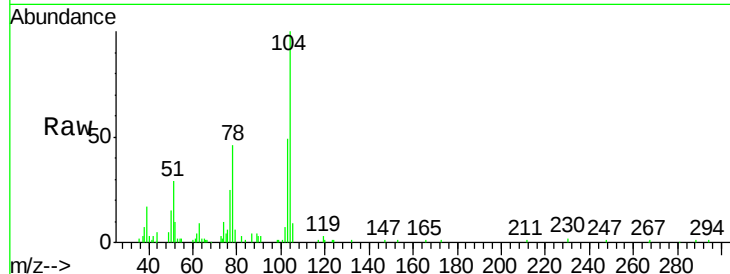
#61
Styrene
Concen: 0.275 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
104	100		
78	64.4	46.2	69.2
103	55.6	38.3	57.5

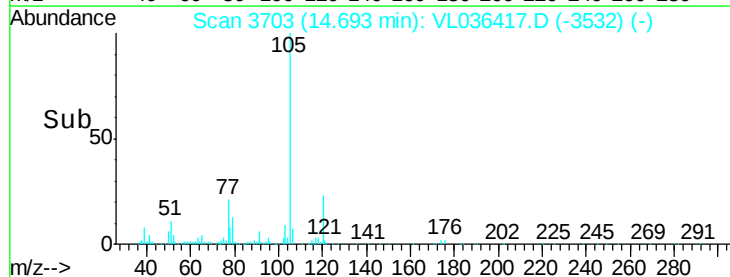
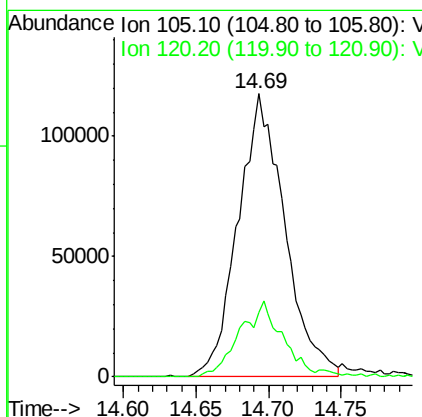
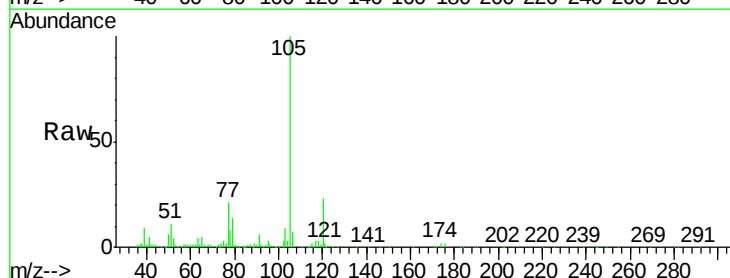
Manual Integrations
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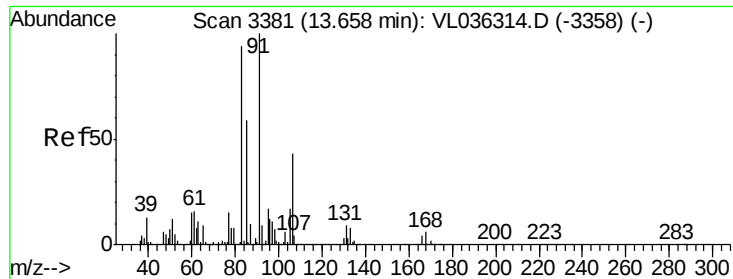
MMDadoda
3/2/2021 3:30:16 PM



#62
Isopropylbenzene
Concen: 0.452 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.480 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

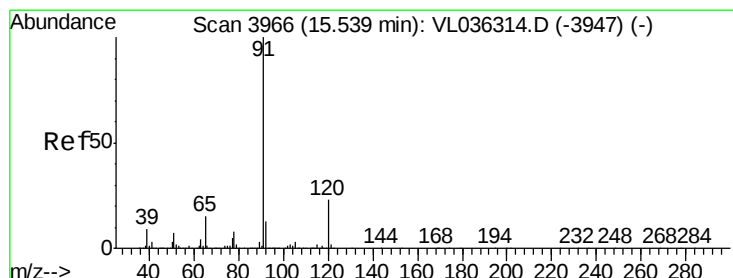
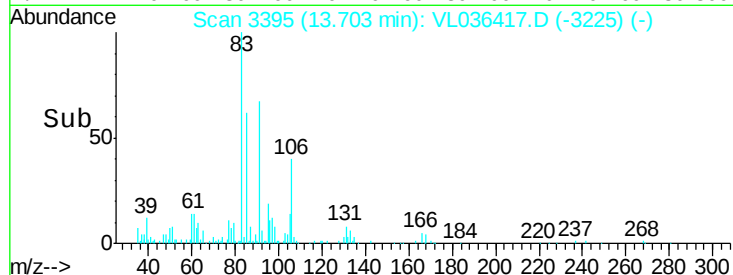
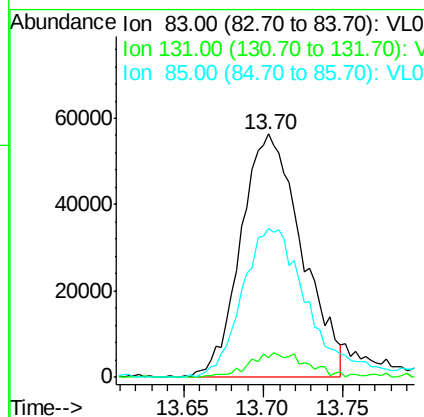
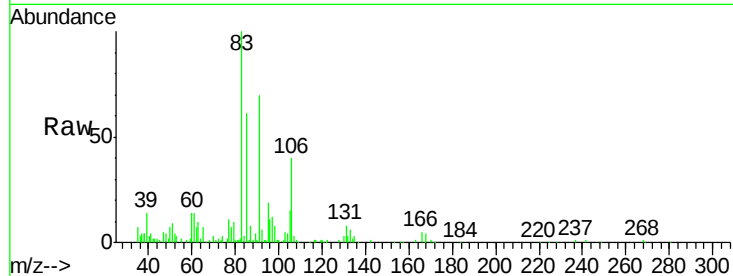
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	83	Resp:	147741
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.7	14.0
85	66.1	33.0	98.9

Manual Integrations
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#64

n-propylbenzene

Concen: 0.403 ppbv

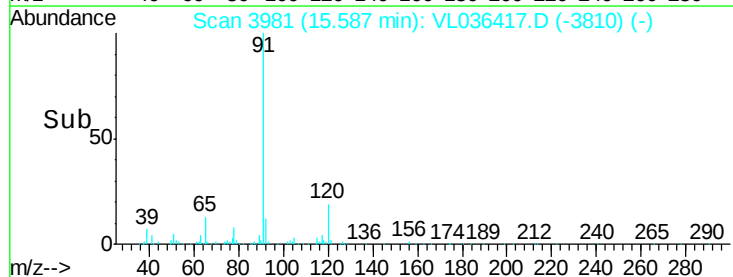
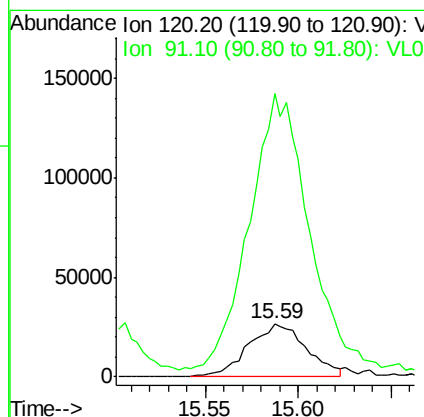
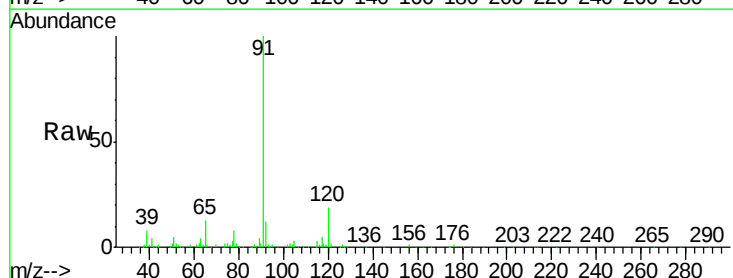
RT: 15.59 min Scan# 3981

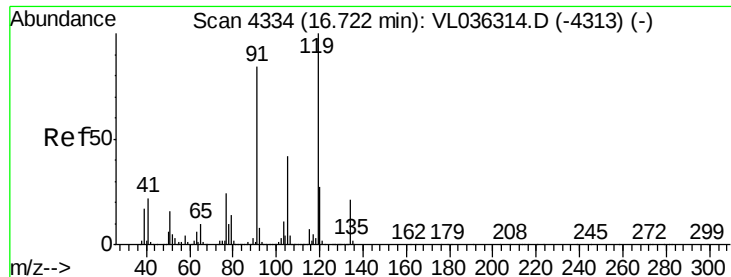
Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion:	120	Resp:	58016
Ion Ratio	Lower	Upper	
120	100		
91	575.7	387.2	580.8





#65

tert-Butylbenzene

Concen: 0.412 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

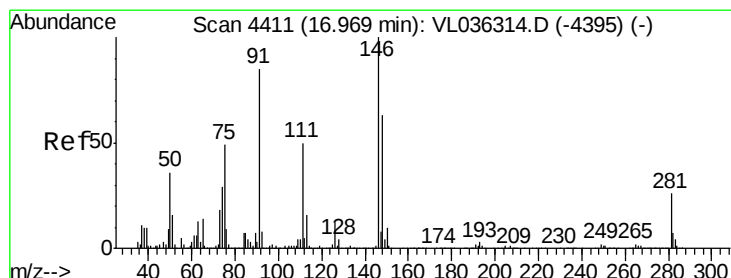
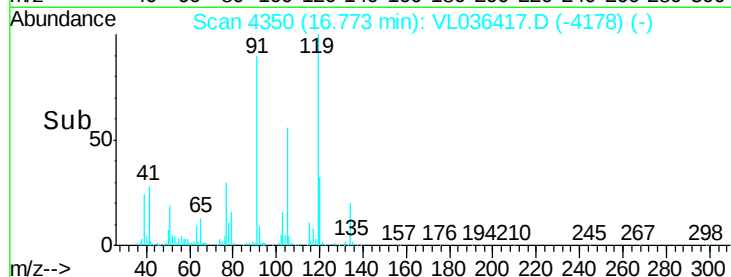
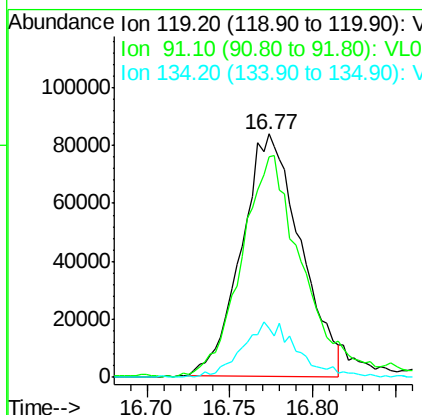
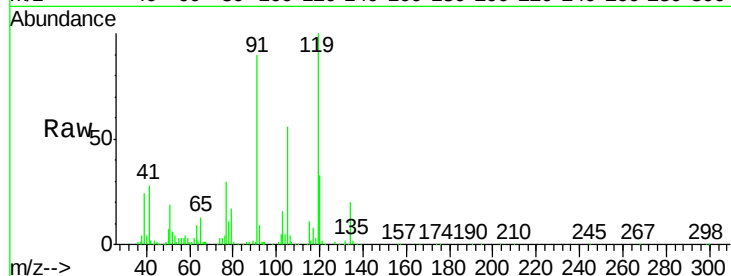
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	206198		
91	99.5	70.5	105.7	
134	21.5	15.8	23.8	

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#66

Benzyl Chloride

Concen: 0.366 ppbv m

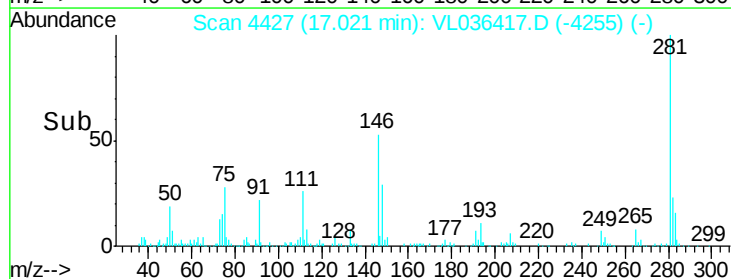
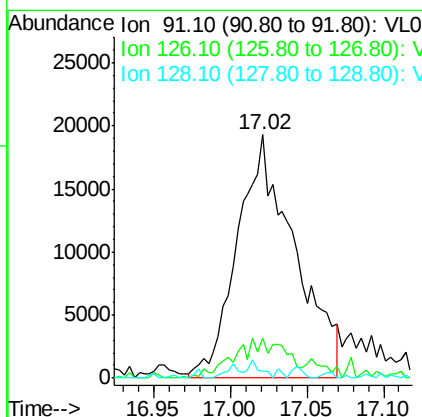
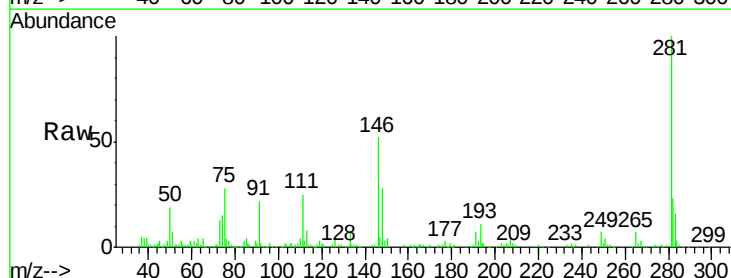
RT: 17.02 min Scan# 4427

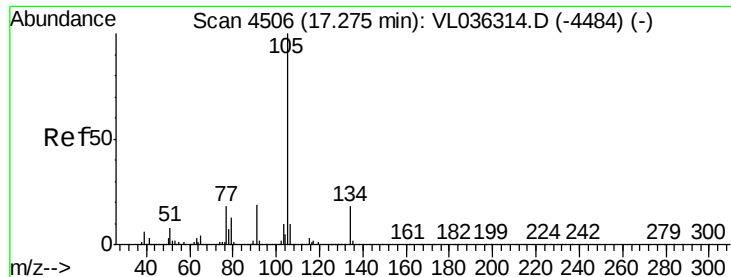
Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	49717		
126	0.0	12.9	19.3#	
128	0.0	4.2	6.2#	





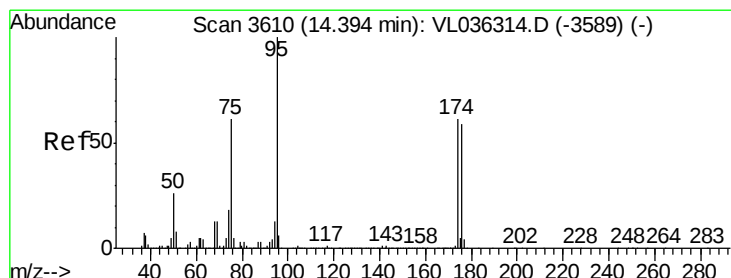
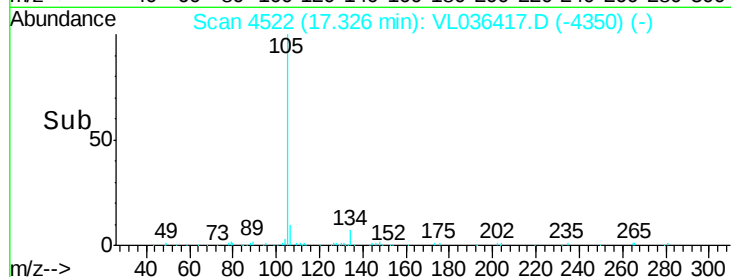
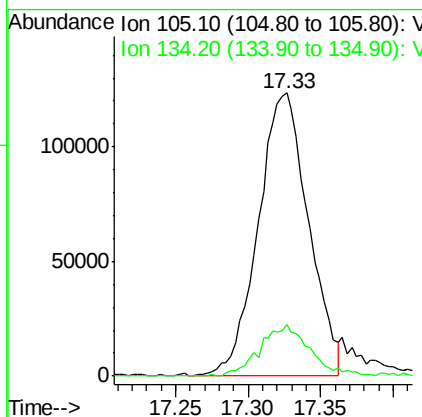
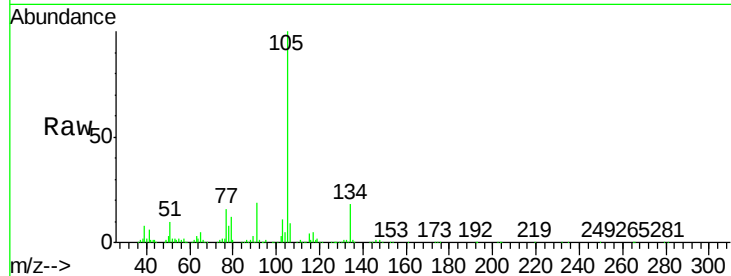
#67
 sec-Butylbenzene
 Concen: 0.413 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.2	21.4

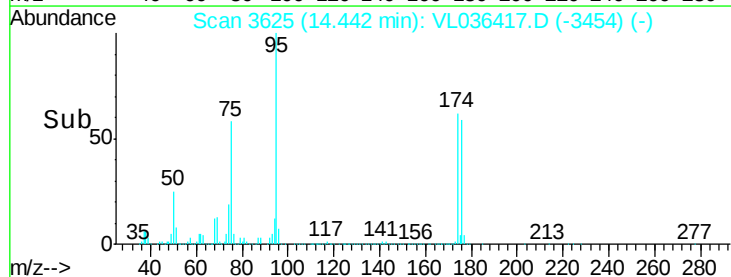
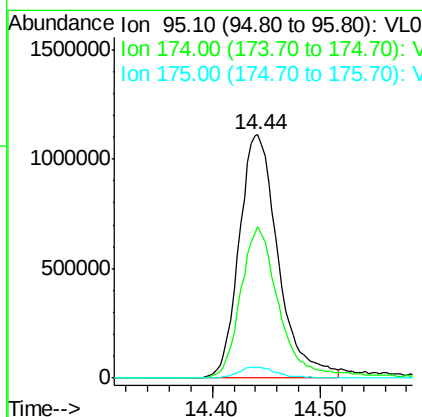
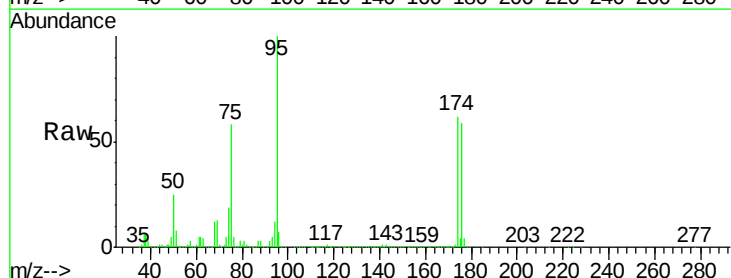
Manual Integrations
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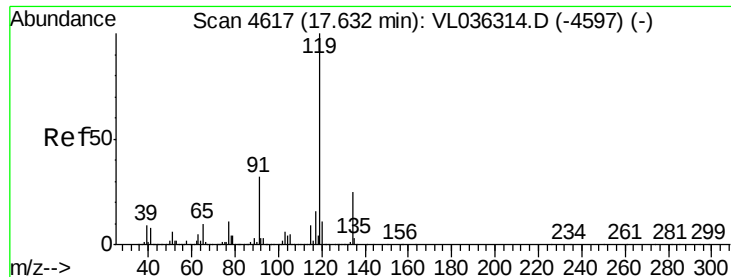
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.035 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.7	49.8	74.6
175	4.6	3.7	5.5





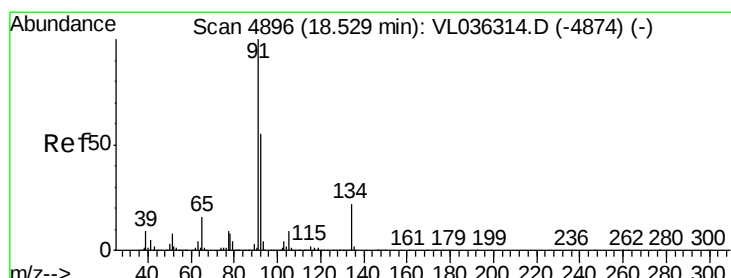
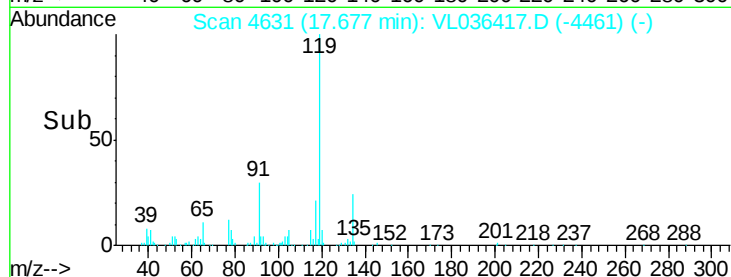
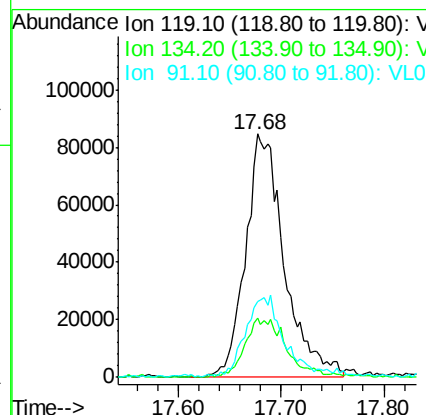
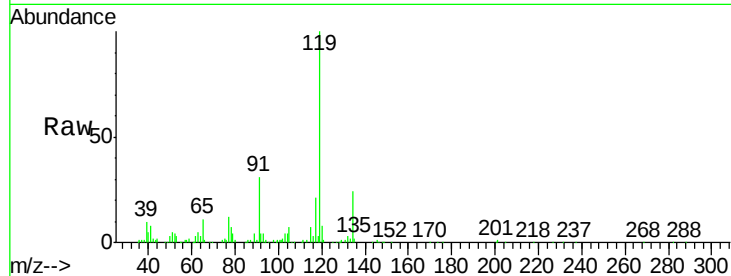
#69
p-Isopropyltoluene
Concen: 0.400 ppbv m
RT: 17.68 min Scan# 4631
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.1	30.1#
91	34.1	25.8	38.6

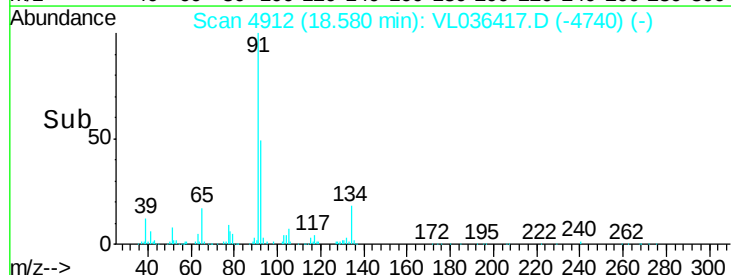
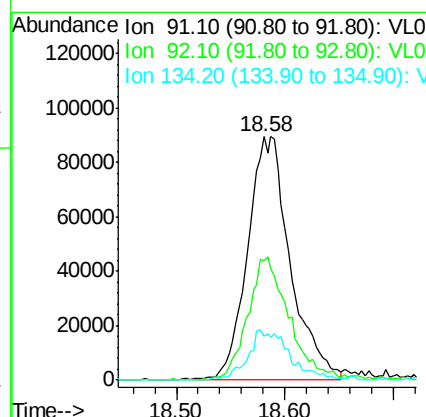
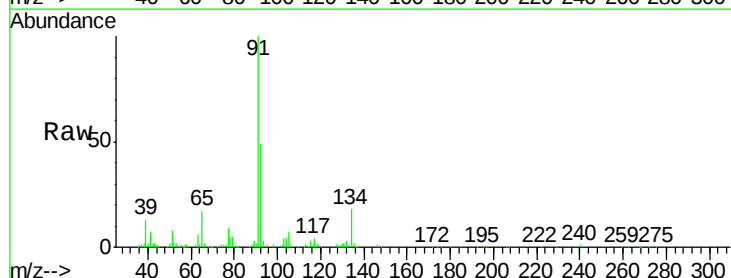
Manual Integrations
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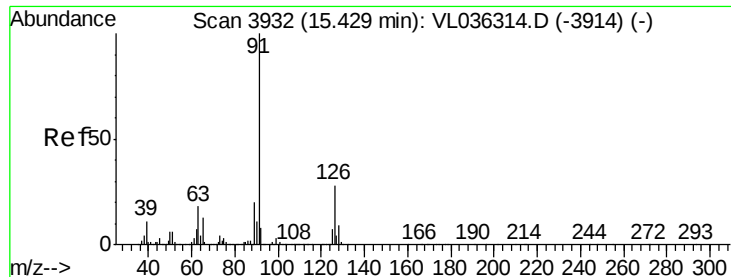
MMDadoda
3/2/2021 3:30:16 PM



#70
n-Butylbenzene
Concen: 0.408 ppbv m
RT: 18.58 min Scan# 4912
Delta R.T. 0.05 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.8	43.7	65.5
134	0.0	17.4	26.0#





#71

2-Chlorotoluene

Concen: 0.414 ppbv m

RT: 15.48 min Scan# 3949

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 91 Resp: 185534

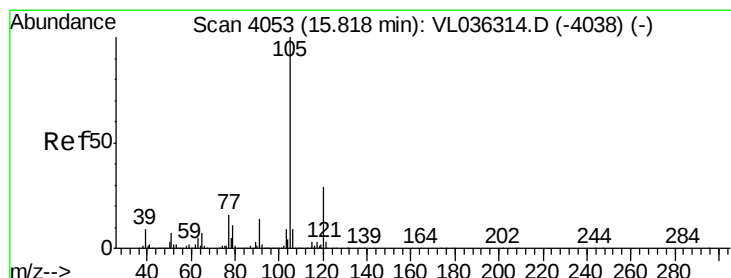
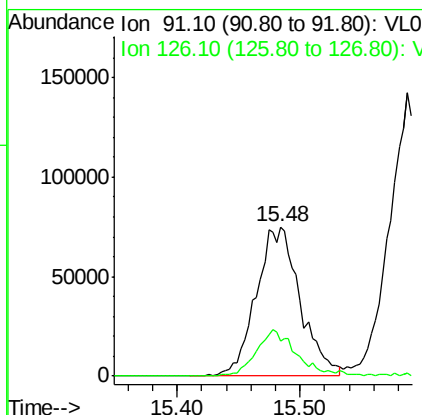
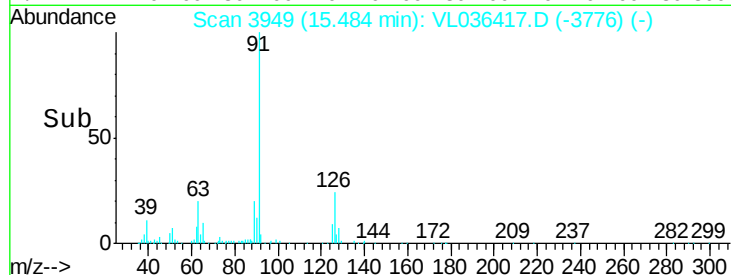
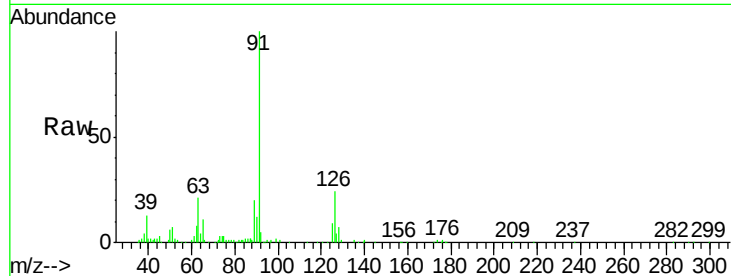
Ion Ratio Lower Upper

91 100

126 0.0 11.5 46.1#

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#72

4-Ethyltoluene

Concen: 0.388 ppbv m

RT: 15.86 min Scan# 4067

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion: 105 Resp: 168466

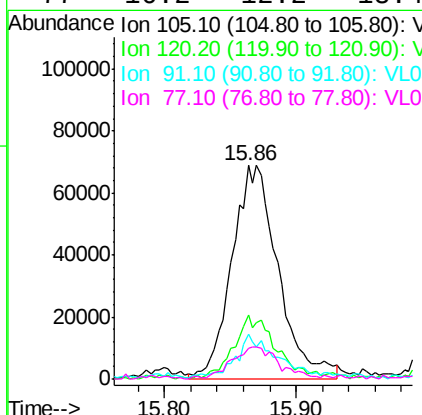
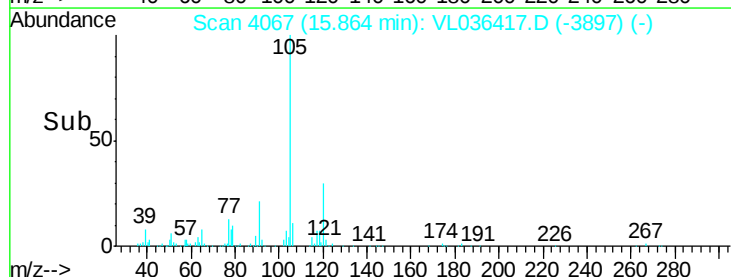
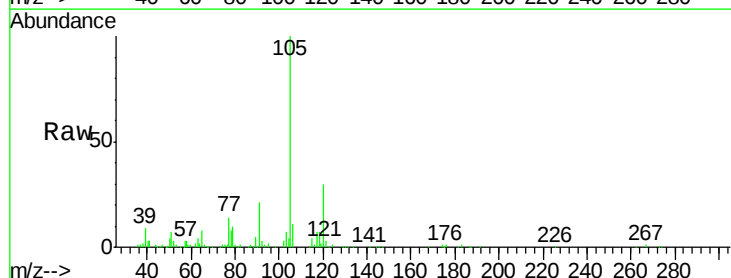
Ion Ratio Lower Upper

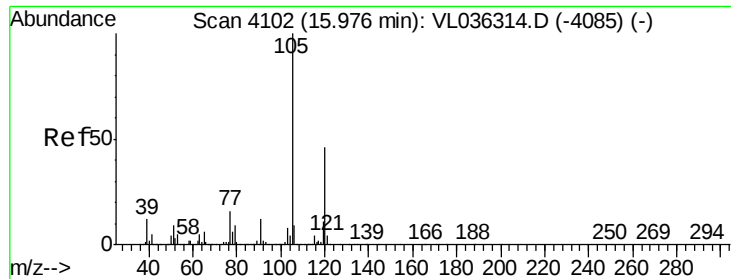
105 100

120 0.0 23.2 34.8#

91 0.0 11.0 16.4#

77 16.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.368 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:105 Resp: 154690

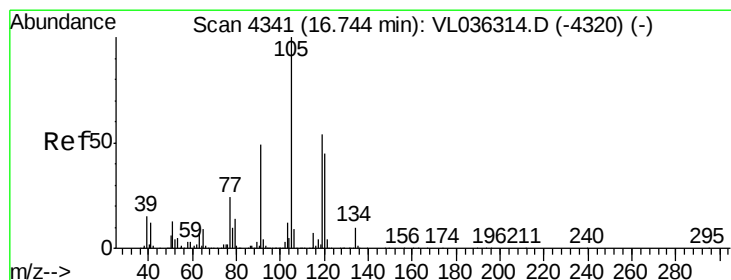
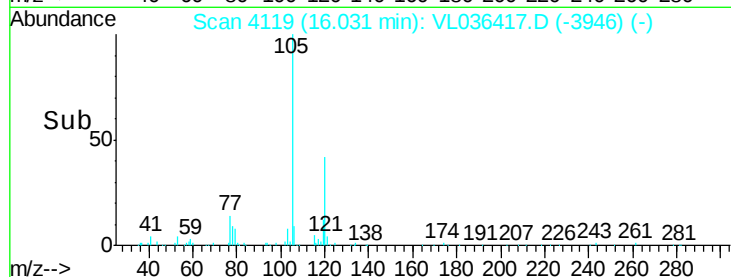
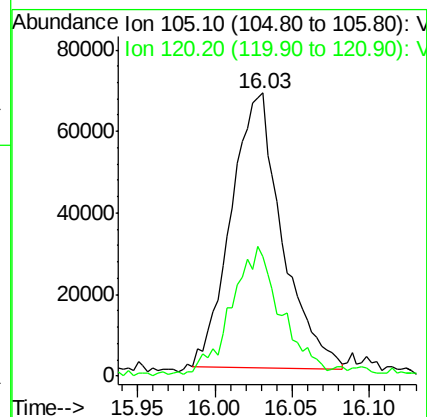
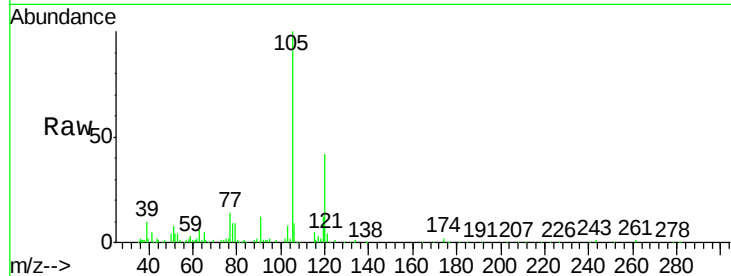
Ion Ratio Lower Upper

105 100

120 42.1 36.9 55.3

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.458 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.05 min

Lab File: VL036417.D

Acq: 1 Mar 2021 16:38

Tgt Ion:105 Resp: 196694

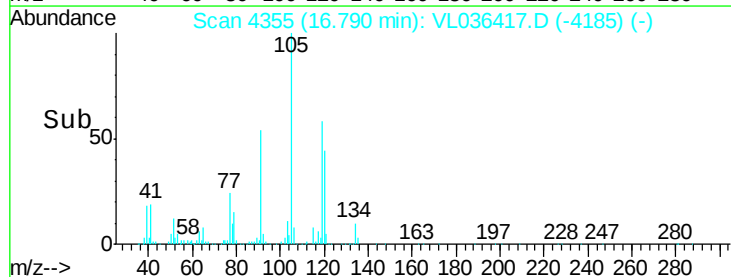
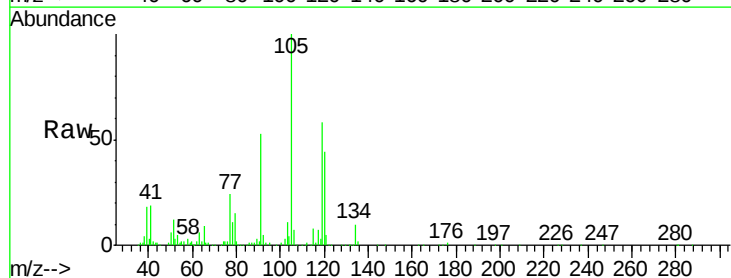
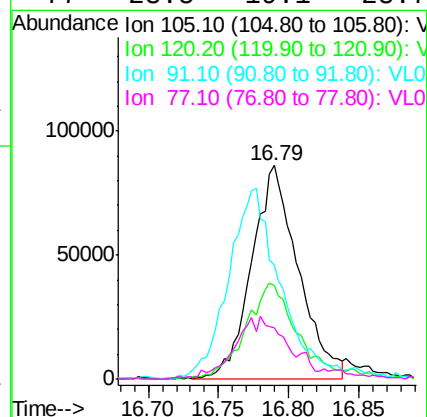
Ion Ratio Lower Upper

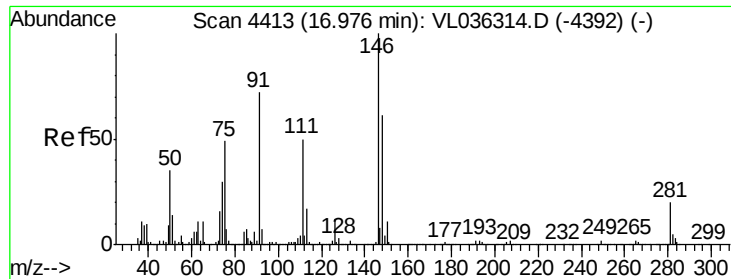
105 100

120 42.6 35.8 53.6

91 49.0 39.8 59.6

77 23.5 19.1 28.7





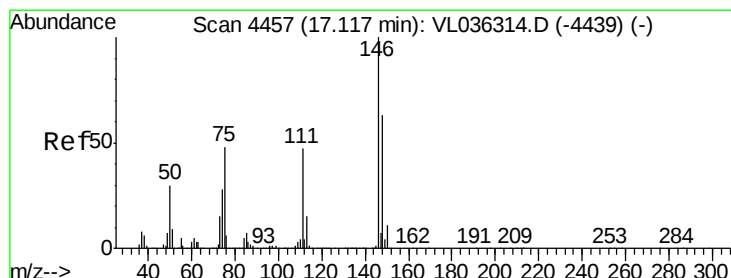
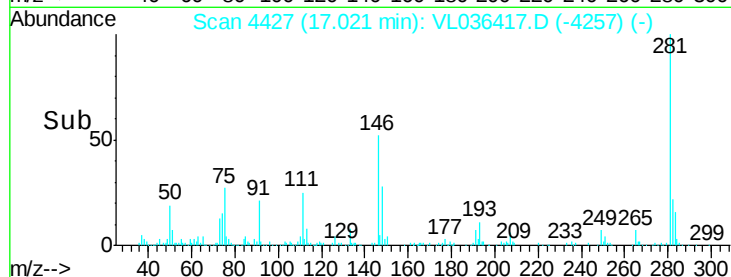
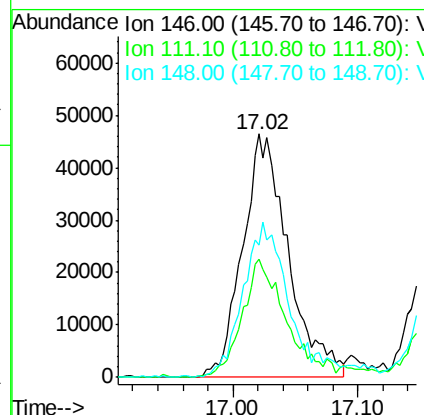
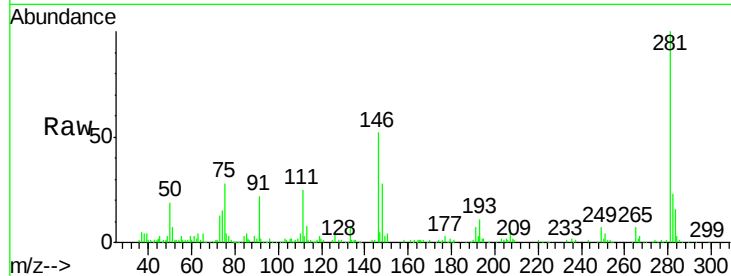
#75
 1,3-Dichlorobenzene
 Concen: 0.506 ppbv m
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

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

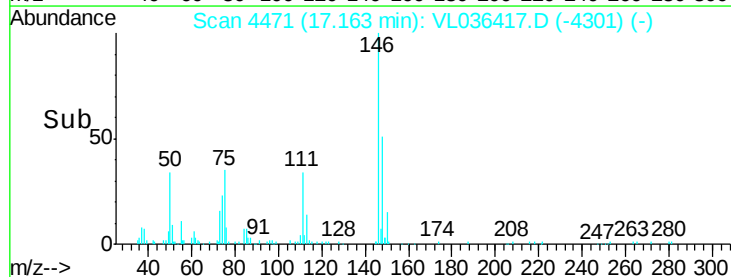
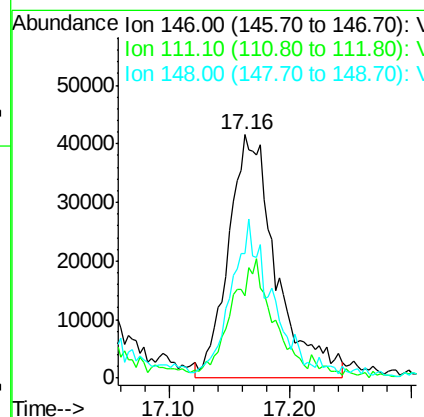
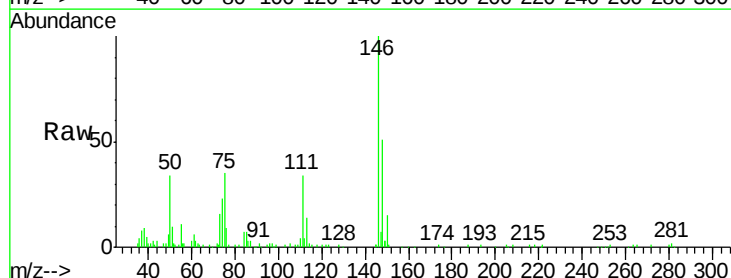
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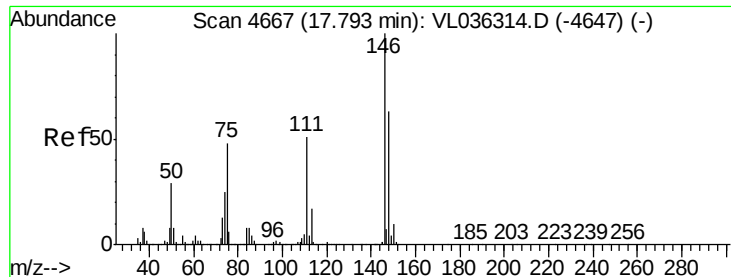
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#76
 1,4-Dichlorobenzene
 Concen: 0.474 ppbv m
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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





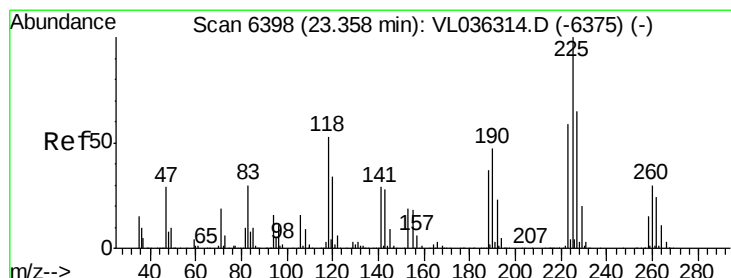
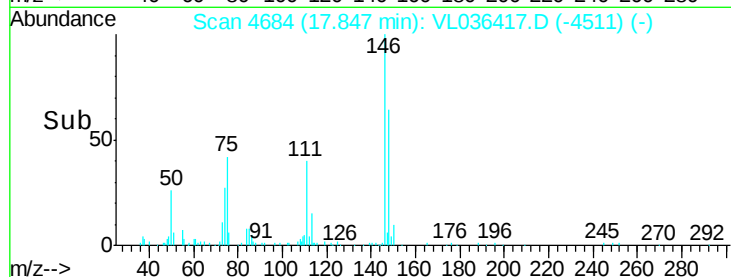
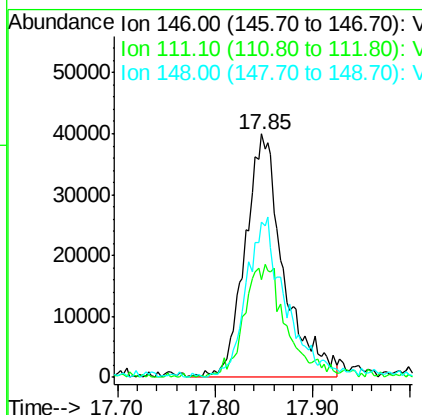
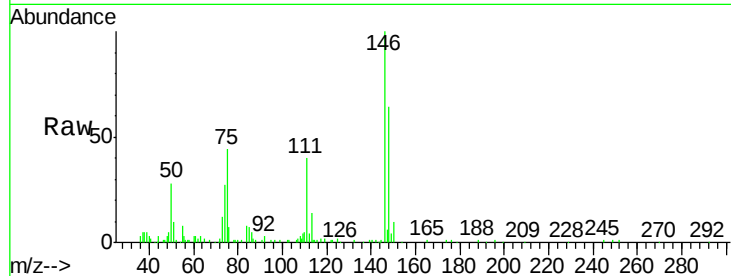
#77
 1,2-Dichlorobenzene
 Concen: 0.474 ppbv m
 RT: 17.85 min Scan# 4684
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.9	77.8#
148	0.0	32.5	97.4#

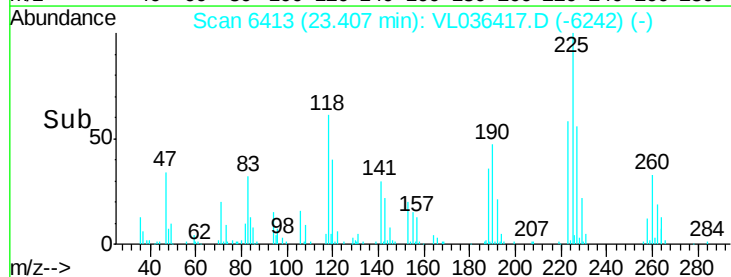
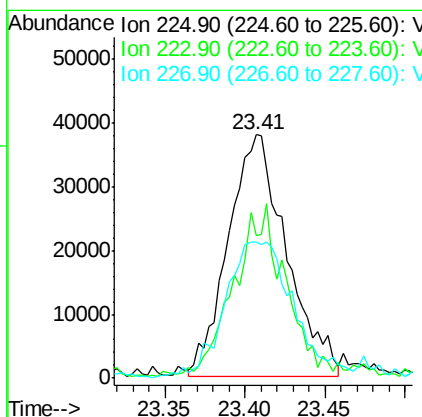
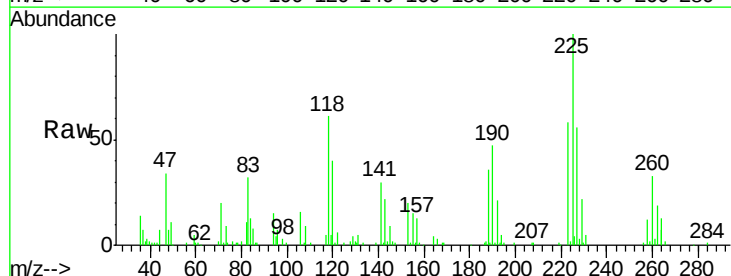
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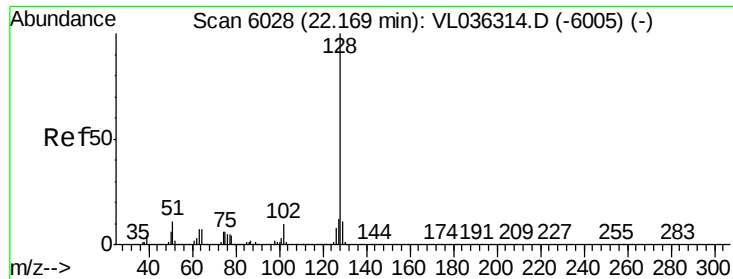
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.500 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. 0.05 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.5	50.8	76.2
227	70.8	52.2	78.2





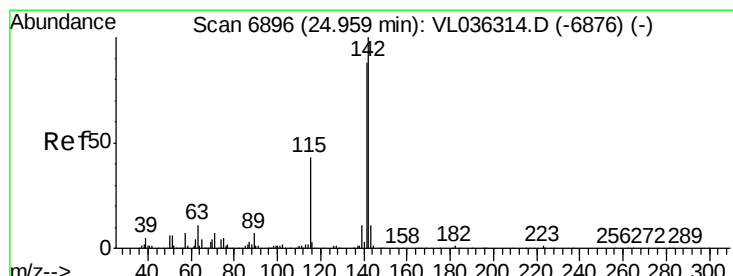
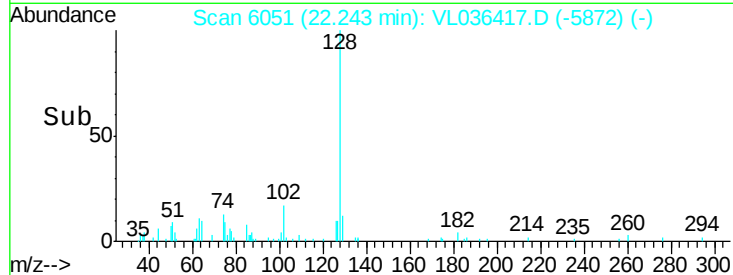
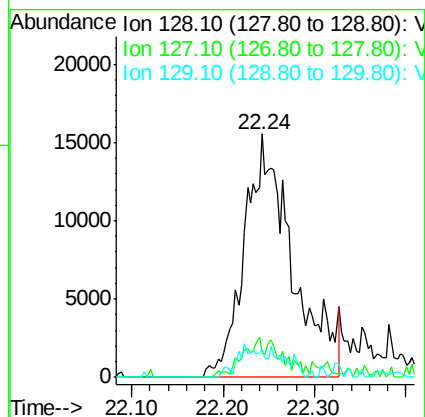
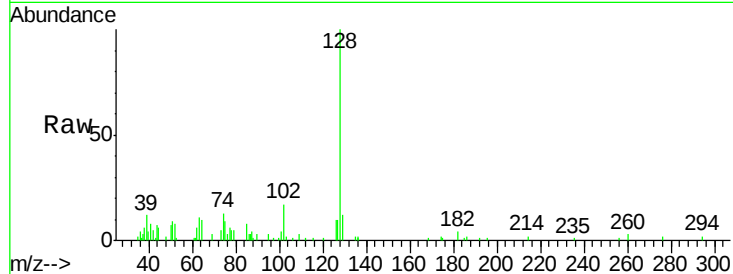
#79
Naphthalene
Concen: 0.220 ppbv m
RT: 22.24 min Scan# 6051
Delta R.T. 0.07 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	55886		
127	10.1		9.6	14.4
129	11.9		8.5	12.7

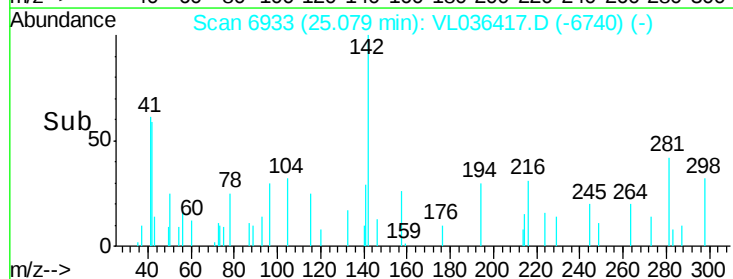
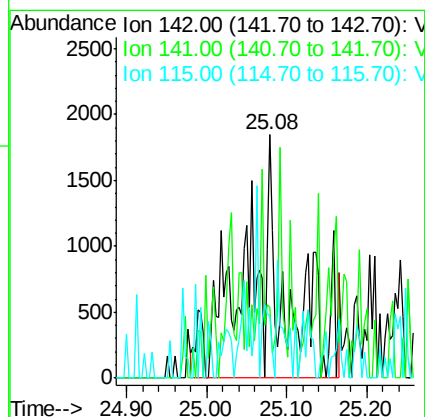
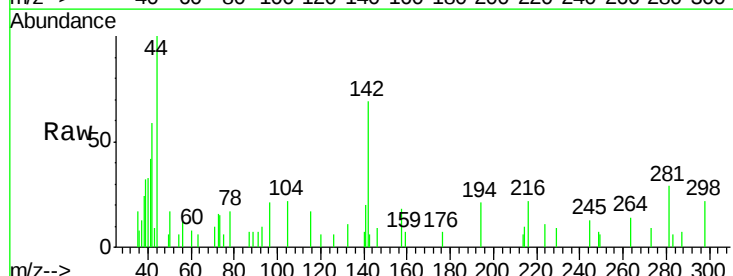
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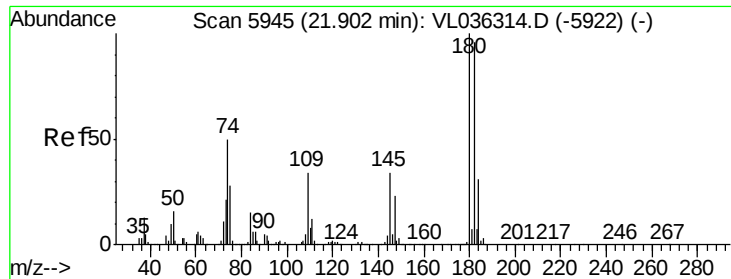
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#80
Naphthalene, 2-methyl-
Concen: 0.136 ppbv m
RT: 25.08 min Scan# 6933
Delta R.T. 0.12 min
Lab File: VL036417.D
Acq: 1 Mar 2021 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	6392		
141	7.7		64.4	96.6#
115	4.3		34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.287 ppbv m
 RT: 21.97 min Scan# 5967
 Delta R.T. 0.07 min
 Lab File: VL036417.D
 Acq: 1 Mar 2021 16:38

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.2	120.4#
184	0.0	25.0	37.6#

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