

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036964.D
 Acq On : 18 May 2021 12:01
 Operator : SY/AP
 Sample : M2262-13 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:55:02 PM

Quant Time: May 19 13:04:55 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	1219160	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3652670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3444027	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2531804	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	137134	0.663	ppbv	97
3) Chlorodifluoromethane	2.97	51	120143	0.538	ppbv	98
4) Chloromethane	3.12	50	39721	0.523	ppbv	97
5) Vinyl Chloride	3.24	62	40681	0.490	ppbv	94
6) Bromomethane	3.45	94	21998m	0.503	ppbv	
7) Chloroethane	3.54	64	14702m	0.545	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	100862	0.519	ppbv	95
9) Propene	2.99	41	45662	0.571	ppbv	100
10) Heptane	8.10	43	102242m	0.513	ppbv	
11) Trichlorofluoromethane	3.93	101	96663	0.505	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	70916	0.520	ppbv	98
13) Ethanol	3.62	45	4999m	0.468	ppbv	
14) Bromoethene	3.73	108	28908m	0.481	ppbv	
15) Acetone	3.86	43	61763m	0.495	ppbv	
16) 1,3-Butadiene	3.31	39	36207	0.467	ppbv	94
17) tert-Butyl alcohol	4.31	59	57281m	0.501	ppbv	
18) 1,1-Dichloroethene	4.27	96	29875	0.474	ppbv	91
19) Isopropyl Alcohol	3.99	45	38208m	0.569	ppbv	
20) Methylene Chloride	4.33	84	37087	0.554	ppbv	94
21) Allyl Chloride	4.39	41	44429	0.472	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	28972m	0.479	ppbv	
23) Vinyl Acetate	5.07	43	90874m	0.458	ppbv	
24) 1,1-Dichloroethane	4.99	63	62121	0.435	ppbv	96
25) Ethyl Acetate	5.67	43	139780	0.466	ppbv #	97
26) Hexane	5.66	57	73958	0.482	ppbv	92
27) Carbon Disulfide	4.53	76	64967m	0.421	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	86898m	0.473	ppbv	
29) Chloroform	5.73	83	107457	0.496	ppbv	100
30) Cyclohexane	7.10	84	64437	0.495	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	68959m	0.502	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	105867	0.455	ppbv	97
34) 2-Butanone	5.25	43	55362	0.416	ppbv #	66
35) Carbon Tetrachloride	7.00	117	103176m	0.425	ppbv	
36) Benzene	6.86	78	156709	0.498	ppbv	97
37) 1,2-Dichloroethane	6.29	62	69810	0.448	ppbv	98
38) Trichloroethene	7.81	130	59094	0.439	ppbv	89
39) 1,2-Dichloropropane	7.58	63	59282m	0.489	ppbv	
40) 1,4-Dioxane	7.86	88	14285m	0.499	ppbv	
41) Tetrahydrofuran	6.06	42	34984m	0.462	ppbv	
42) Bromodichloromethane	7.77	83	103245m	0.438	ppbv	
43) Methyl Methacrylate	8.01	69	46912m	0.433	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	268819	0.498	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	28073m	0.339	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	42203m	0.379	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	58623	0.462	ppbv	97
48) Dibromochloromethane	10.28	129	76066	0.370	ppbv	89
49) Bromoform	13.01	173	58701m	0.346	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	85872	0.391	ppbv	97
51) 2-Hexanone	10.16	43	52648m	0.454	ppbv	
52) Tetrachloroethene	11.19	164	62111	0.496	ppbv	89
53) Toluene	9.78	91	176718	0.472	ppbv	98
54) 1,2-Dibromoethane	10.58	107	82198	0.456	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	59834	0.413	ppbv #	24
57) Chlorobenzene	12.11	112	137856m	0.516	ppbv	
58) Ethyl Benzene	12.68	91	239516	0.493	ppbv	89
59) m/p-Xylene	12.96	91	400051m	0.996	ppbv	
60) o-Xylene	13.66	91	196015	0.512	ppbv	99
61) Styrene	13.50	104	95858m	0.444	ppbv	
62) Isopropylbenzene	14.64	105	275057	0.499	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	121533	0.425	ppbv	95
64) n-propylbenzene	15.53	120	68199m	0.480	ppbv	
65) tert-Butylbenzene	16.72	119	256146	0.515	ppbv	99
66) Benzyl Chloride	16.97	91	8658m	0.314	ppbv	
67) sec-Butylbenzene	17.27	105	334002	0.493	ppbv	99
69) p-Isopropyltoluene	17.63	119	263030	0.451	ppbv	95
70) n-Butylbenzene	18.53	91	254814	0.460	ppbv	99
71) 2-Chlorotoluene	15.42	91	187541	0.471	ppbv	97
72) 4-Ethyltoluene	15.81	105	205923	0.453	ppbv	96
73) 1,3,5-Trimethylbenzene	15.97	105	188436	0.441	ppbv	90
74) 1,2,4-Trimethylbenzene	16.73	105	214545	0.486	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	122602	0.455	ppbv	92
76) 1,4-Dichlorobenzene	17.11	146	135248m	0.496	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	132329m	0.490	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	109477m	0.504	ppbv	
79) Naphthalene	22.18	128	125097m	0.361	ppbv	
80) Naphthalene, 2-methyl-	25.05	142	29513m	0.392	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	90090m	0.427	ppbv	

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

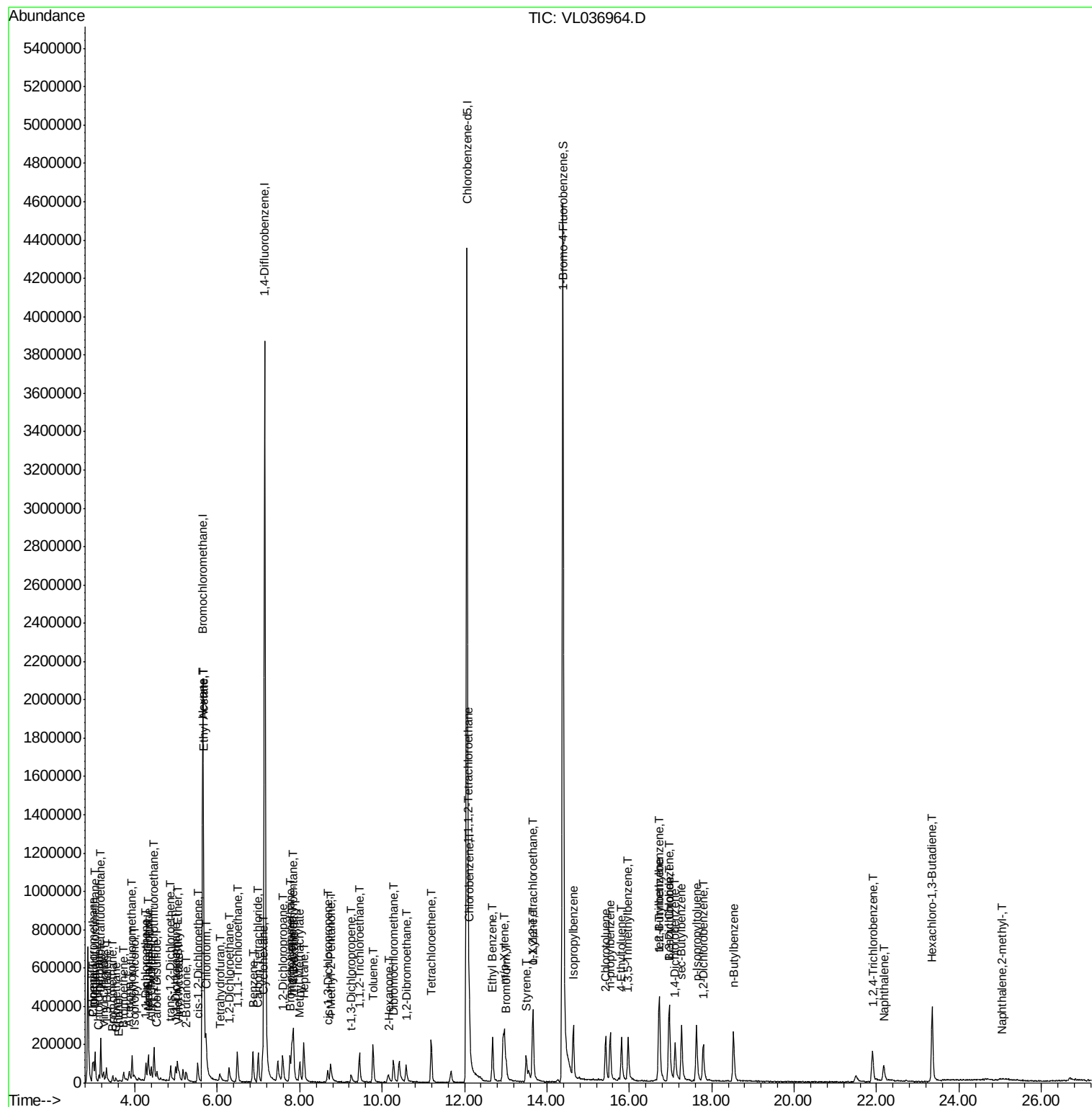
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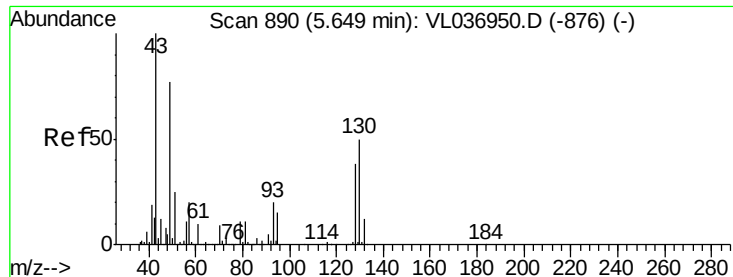
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





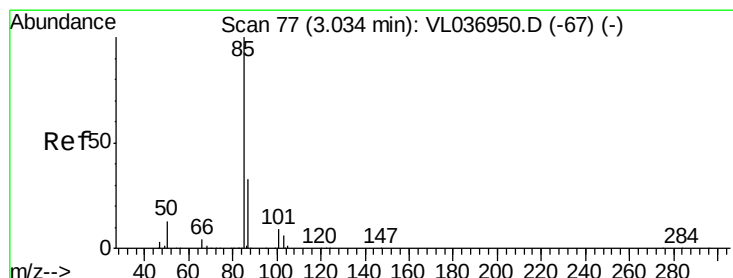
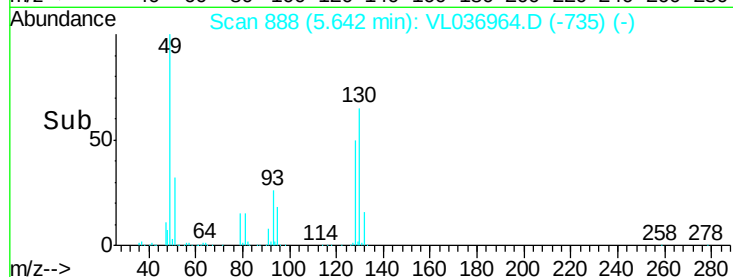
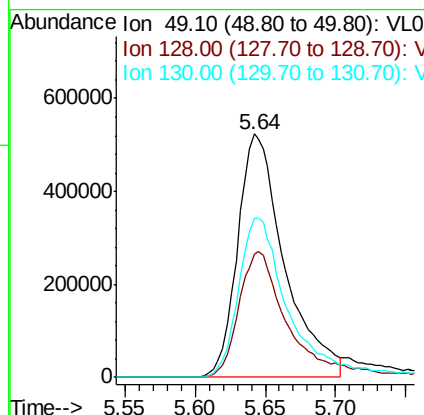
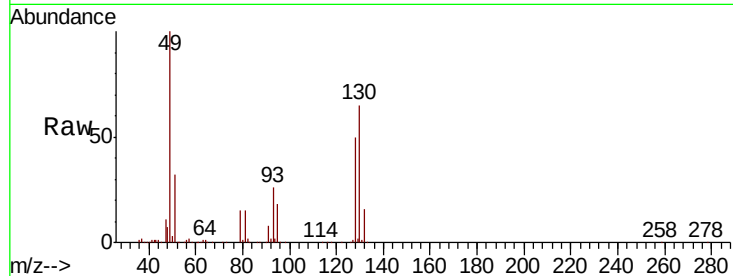
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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Tot Ion: 49 Resp: 1219160
 Ion Ratio Lower Upper
 49 100
 128 56.4 26.9 80.7
 130 72.6 33.8 101.4

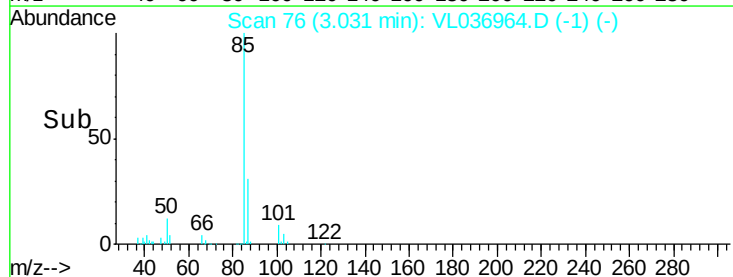
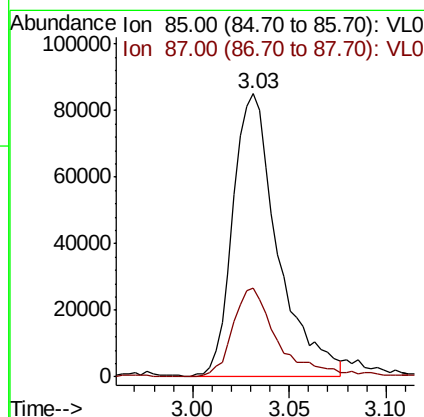
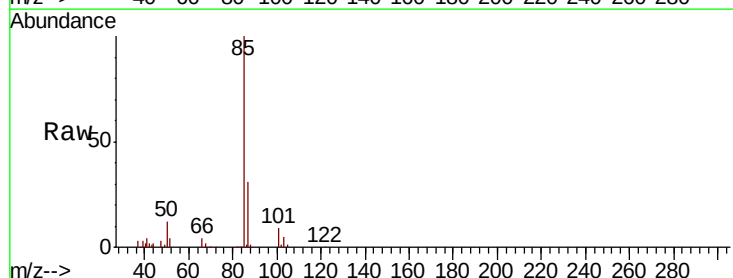
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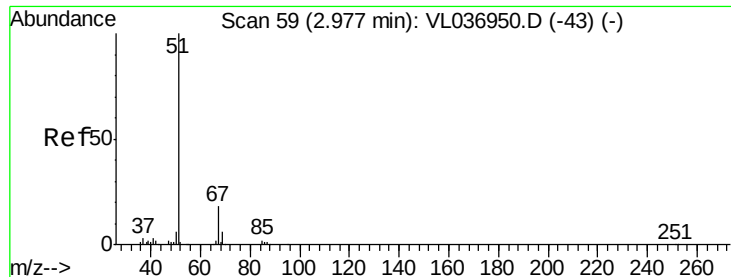
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#2
 Dichlorodifluoromethane
 Concen: 0.663 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion: 85 Resp: 137134
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.538 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 51 Resp: 120143

Ion Ratio Lower Upper

51 100

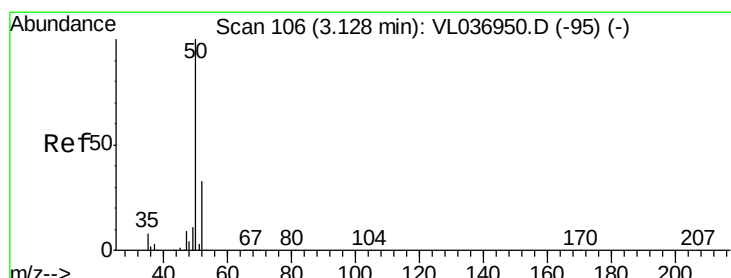
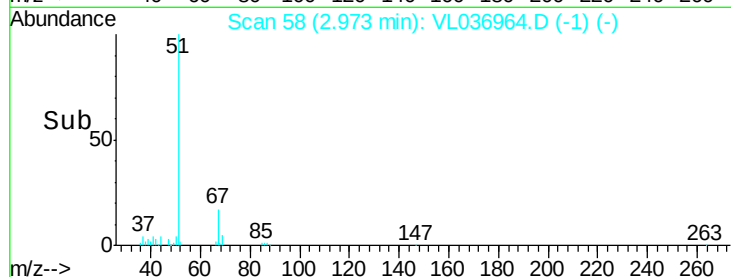
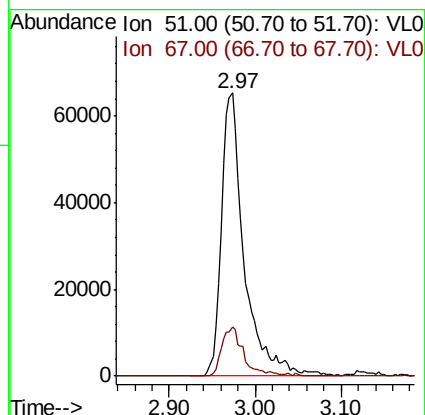
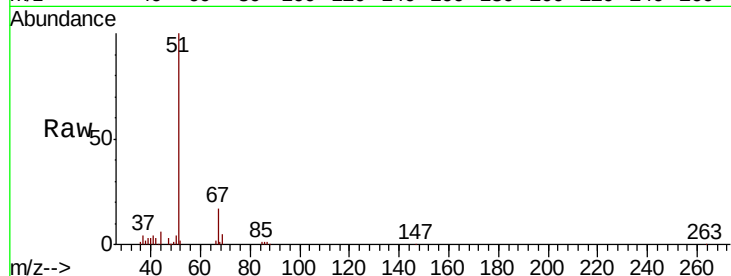
67 17.1 14.6 21.8

Manual Integrations

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#4

Chloromethane

Concen: 0.523 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036964.D

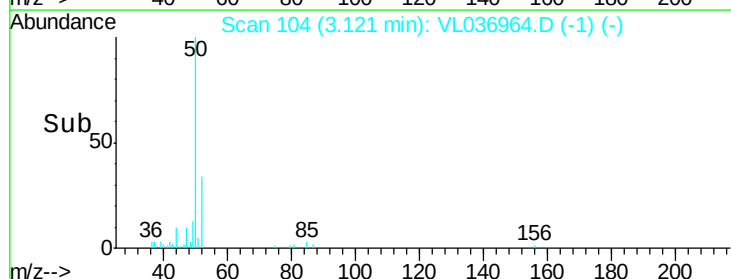
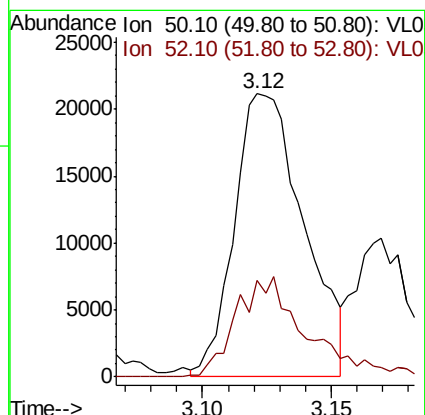
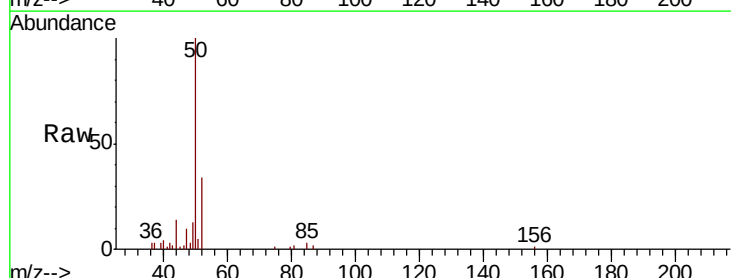
Acq: 18 May 2021 12:01

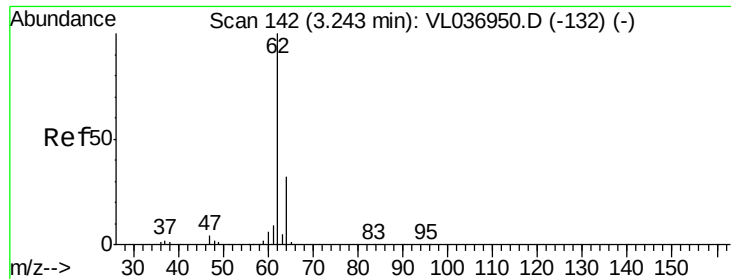
Tgt Ion: 50 Resp: 39721

Ion Ratio Lower Upper

50 100

52 34.2 26.1 39.1





#5

Vinyl Chloride

Concen: 0.490 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

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ClientSampleId :

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Tot Ion: 62 Resp: 40681

Ion Ratio Lower Upper

62 100

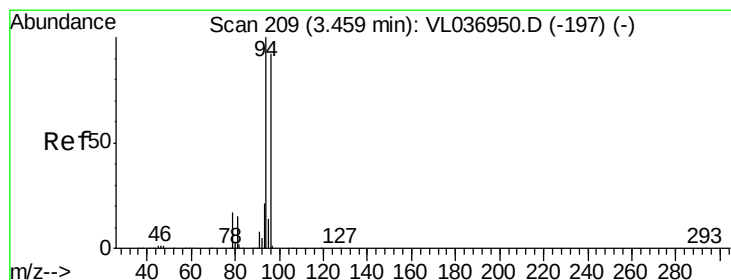
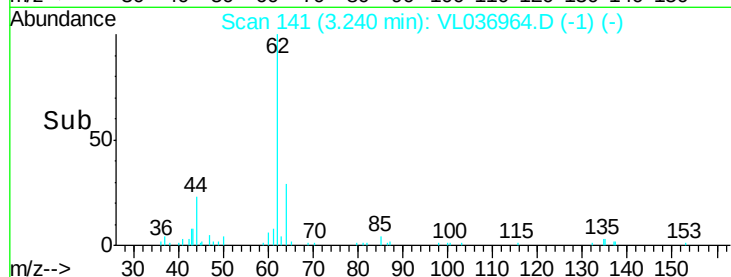
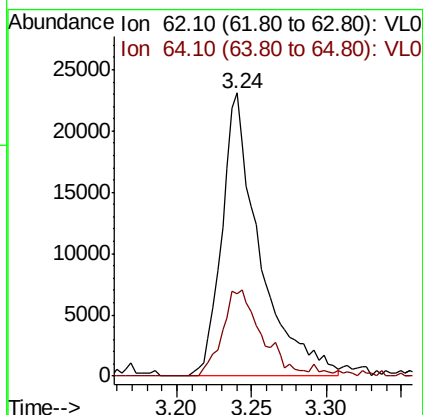
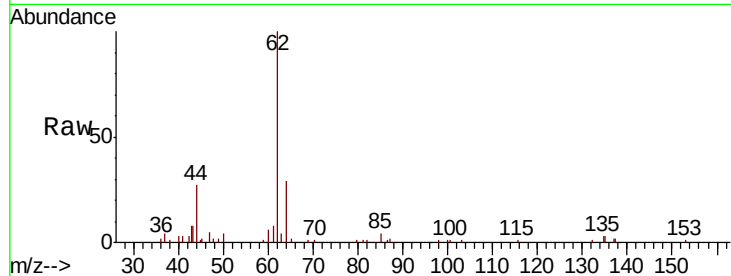
64 29.1 25.9 38.9

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#6

Bromomethane

Concen: 0.503 ppbv m

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL036964.D

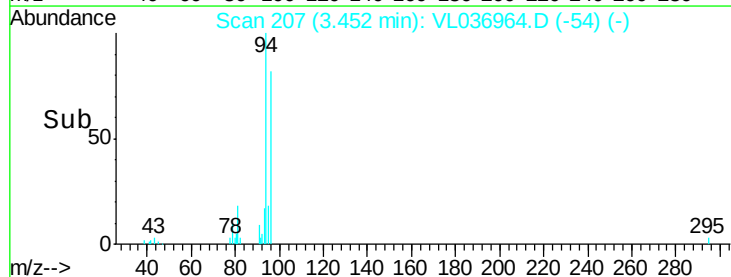
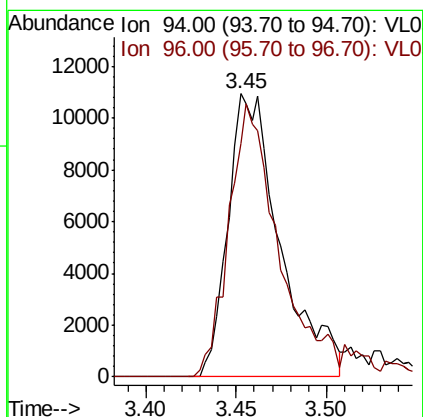
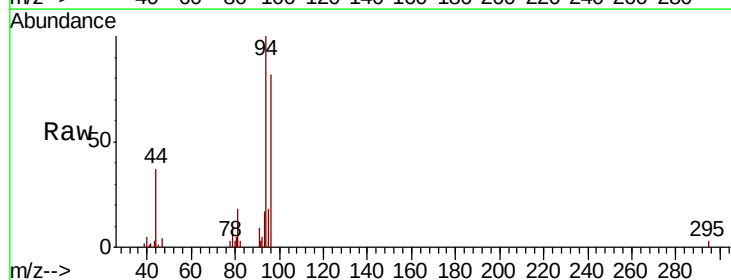
Acq: 18 May 2021 12:01

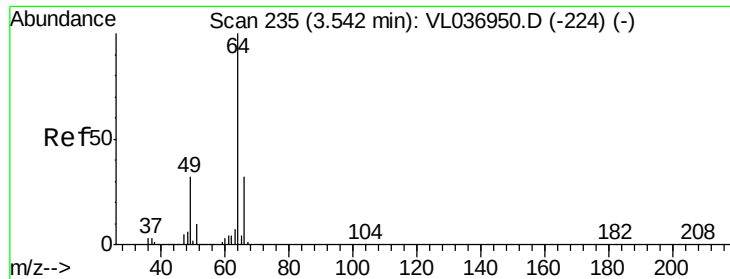
Tgt Ion: 94 Resp: 21998

Ion Ratio Lower Upper

94 100

96 82.5 74.0 111.0





#7

Chloroethane

Concen: 0.545 ppbv m

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 14702

Ion Ratio Lower Upper

64 100

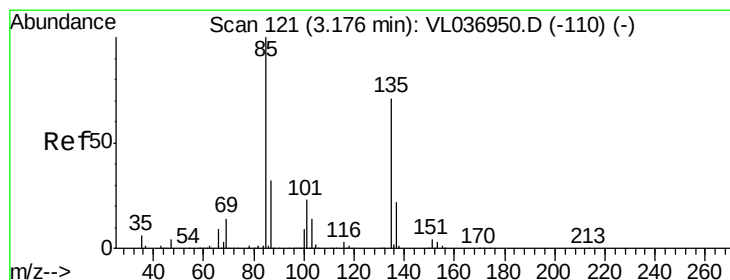
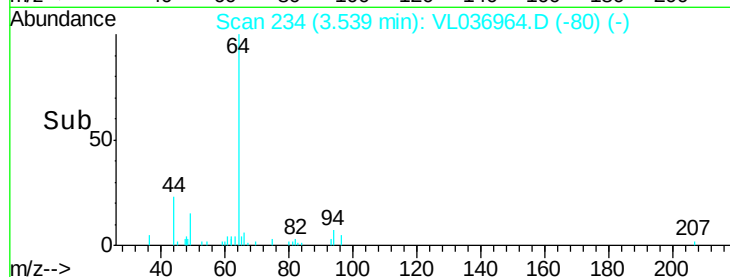
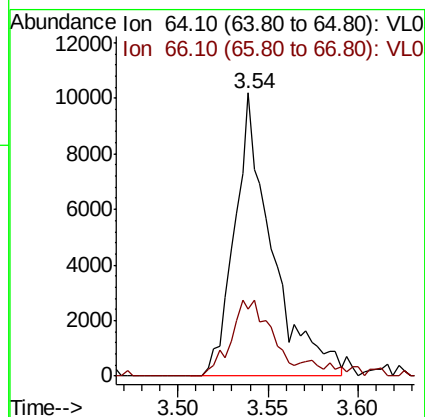
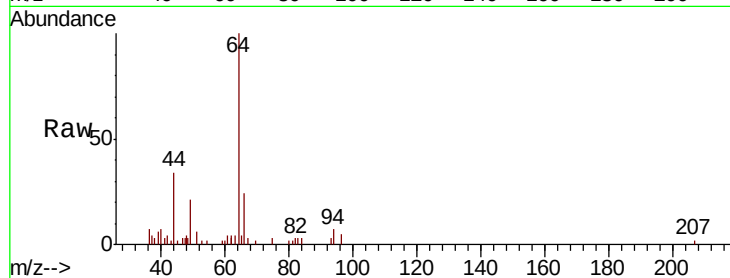
66 23.8 25.4 38.2#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.519 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036964.D

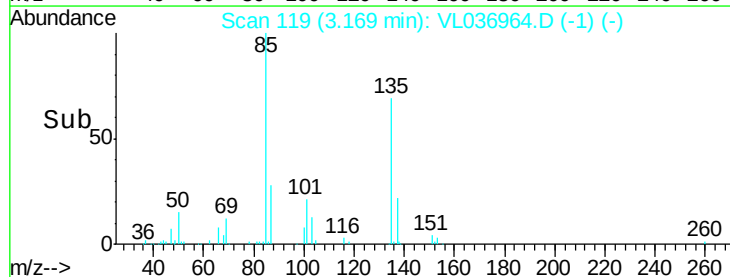
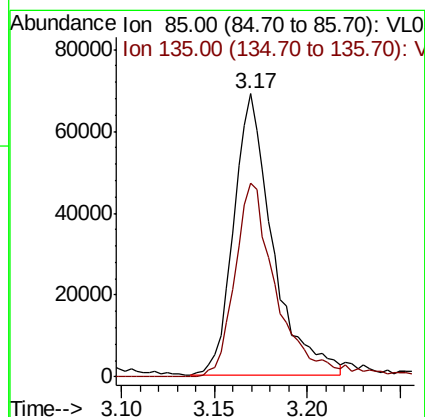
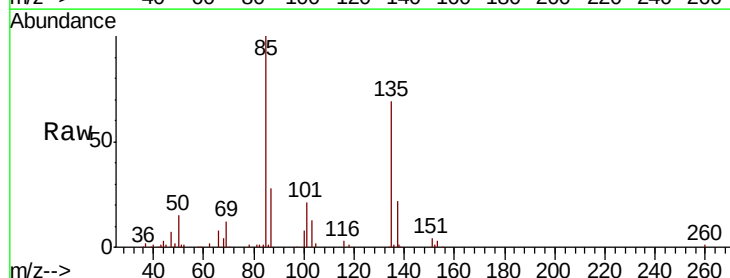
Acq: 18 May 2021 12:01

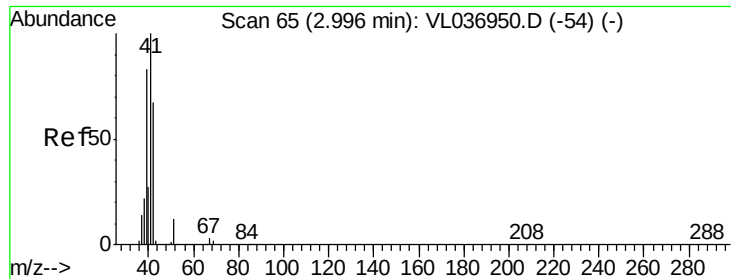
Tgt Ion: 85 Resp: 100862

Ion Ratio Lower Upper

85 100

135 75.9 57.7 86.5





#9

Propene

Concen: 0.571 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

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Tot Ion: 41 Resp: 45662

Ion Ratio Lower Upper

41 100

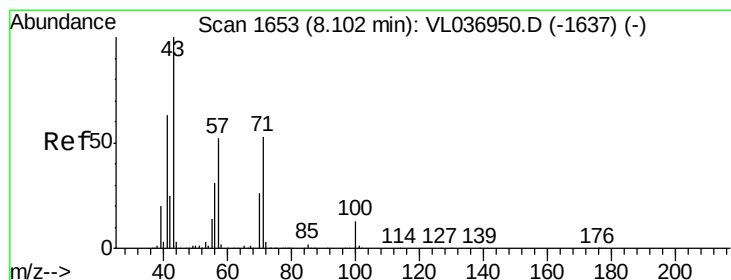
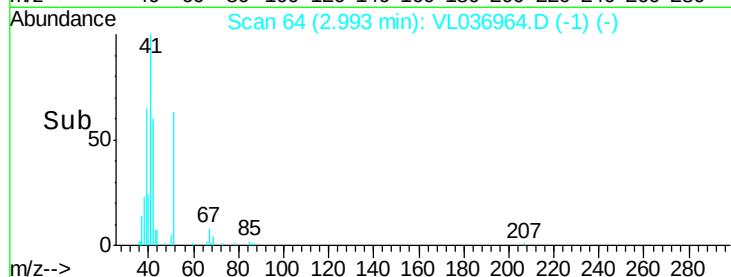
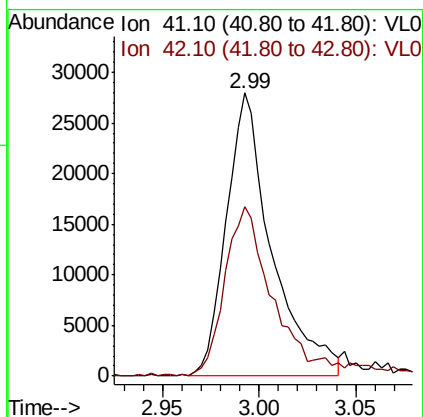
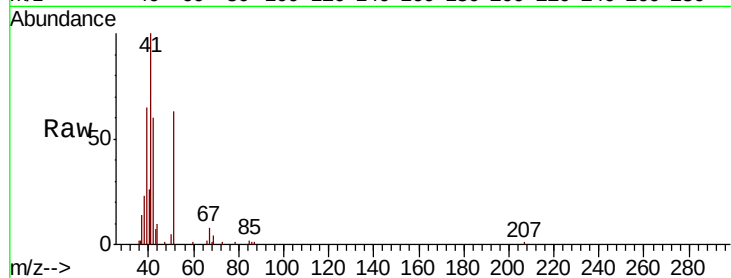
42 67.7 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 0.513 ppbv m

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL036964.D

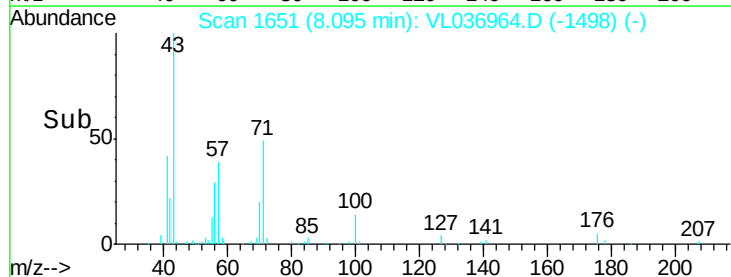
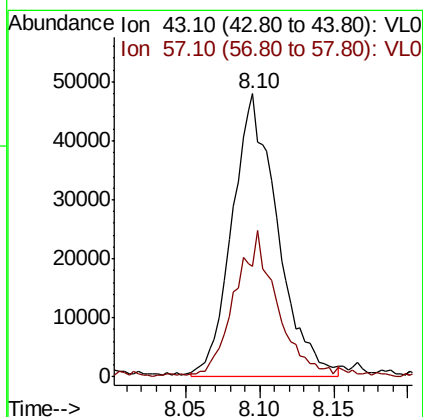
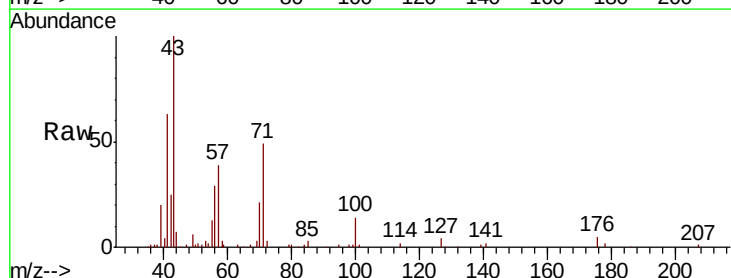
Acq: 18 May 2021 12:01

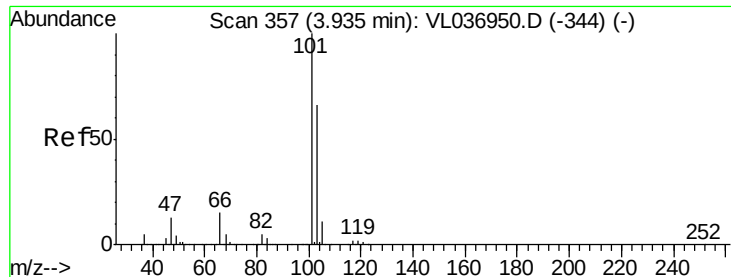
Tgt Ion: 43 Resp: 102242

Ion Ratio Lower Upper

43 100

57 48.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.505 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:101 Resp: 96663

Ion Ratio Lower Upper

101 100

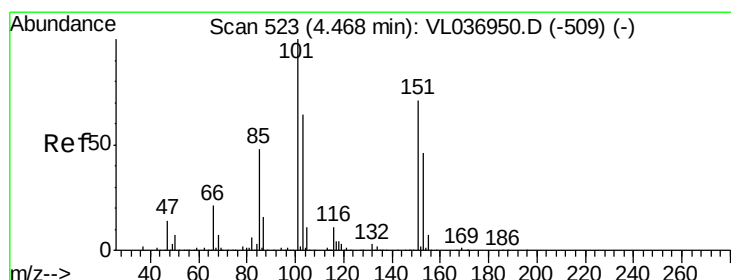
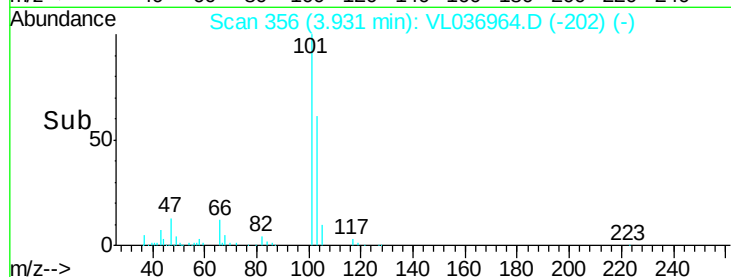
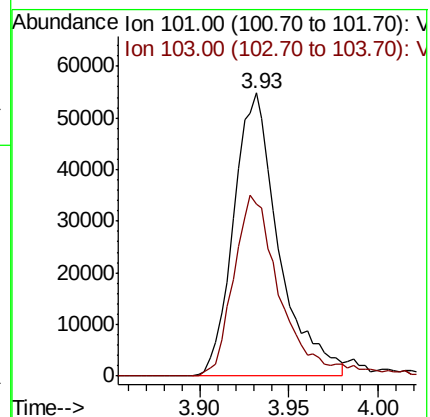
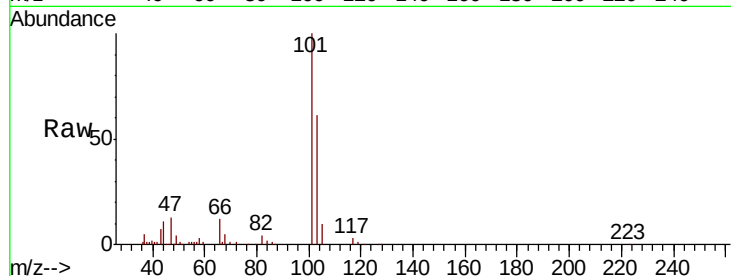
103 60.6 52.6 79.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.520 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL036964.D

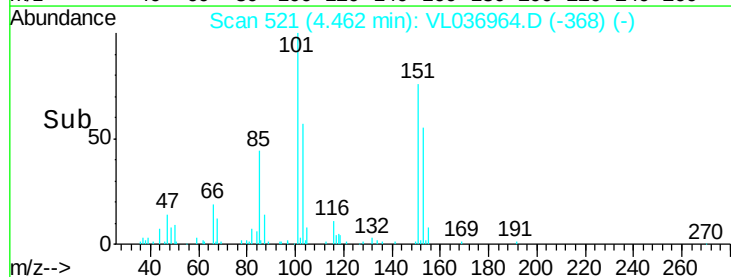
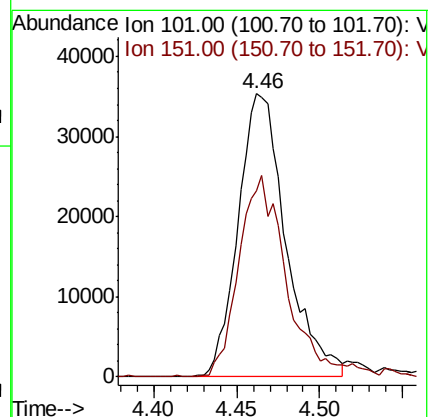
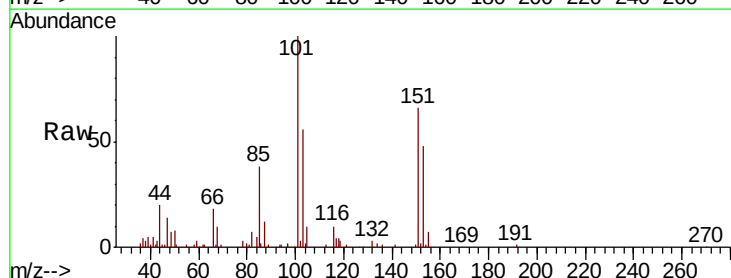
Acq: 18 May 2021 12:01

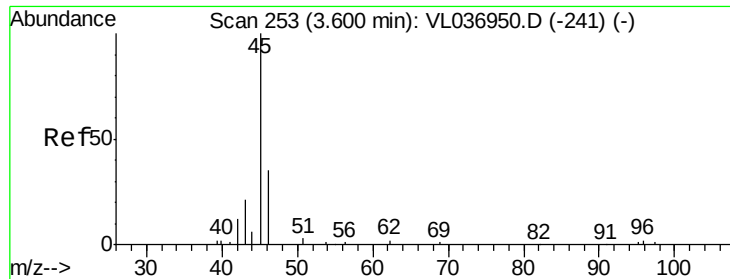
Tgt Ion:101 Resp: 70916

Ion Ratio Lower Upper

101 100

151 73.5 57.7 86.5





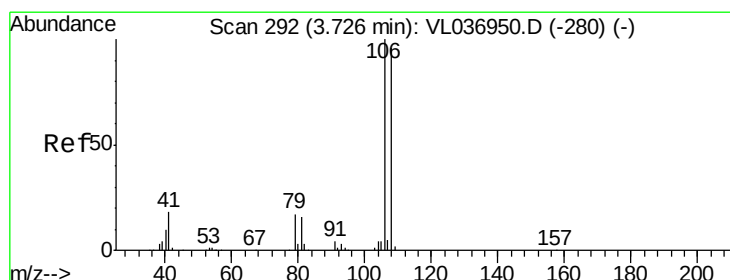
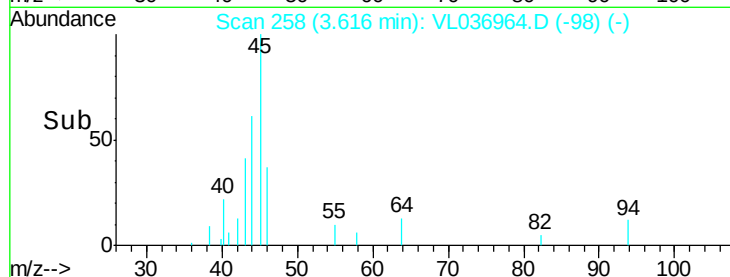
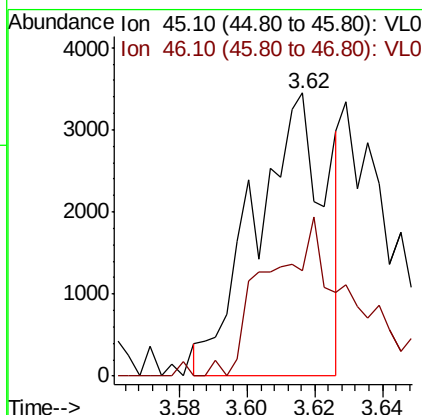
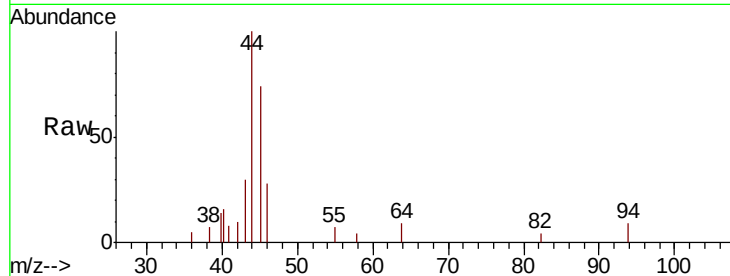
#13
Ethanol
Concen: 0.468 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

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

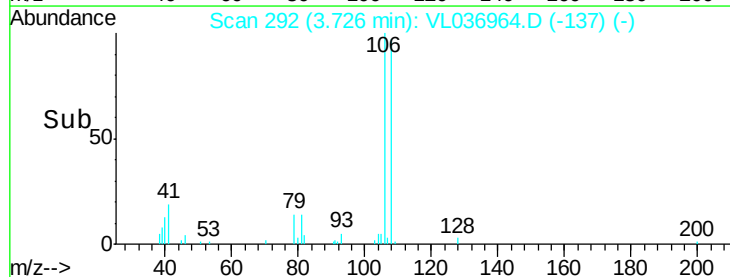
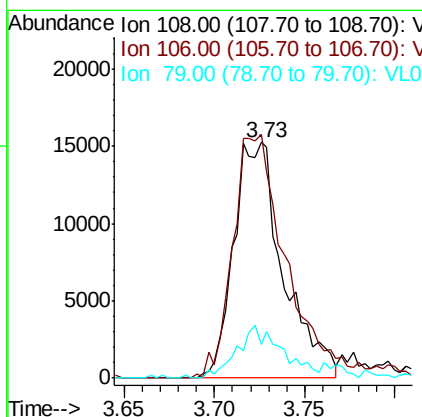
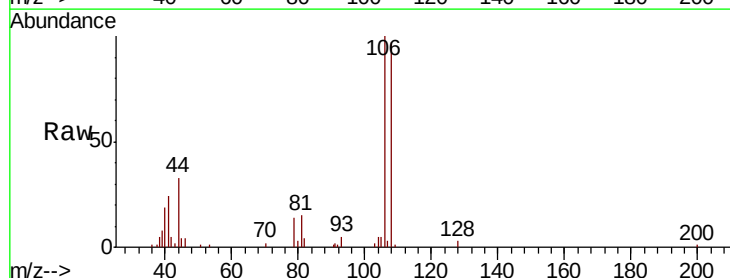
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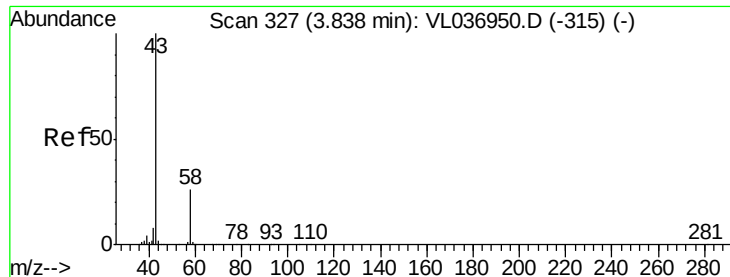
MMDadoda
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#14
Bromoethene
Concen: 0.481 ppbv m
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	114.5	86.5	129.7
79	23.8	15.0	22.4#





#15

Acetone

Concen: 0.495 ppbv m

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 43 Resp: 61763

Ion Ratio Lower Upper

43 100

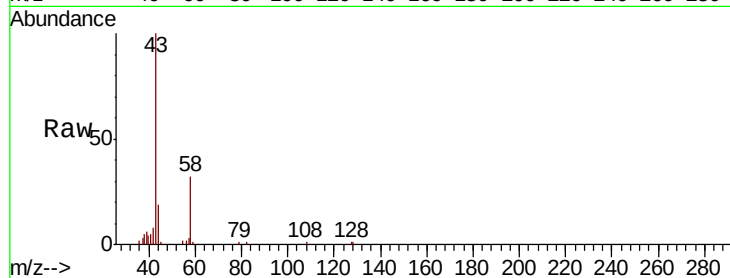
58 48.4 24.0 36.0#

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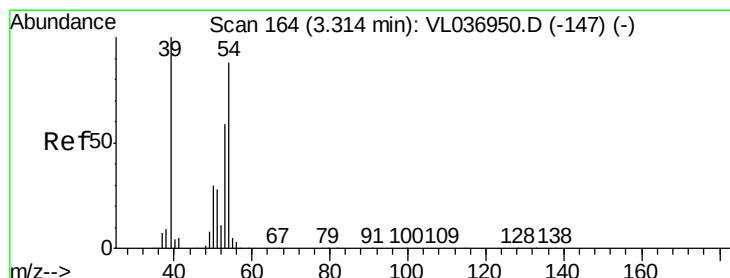
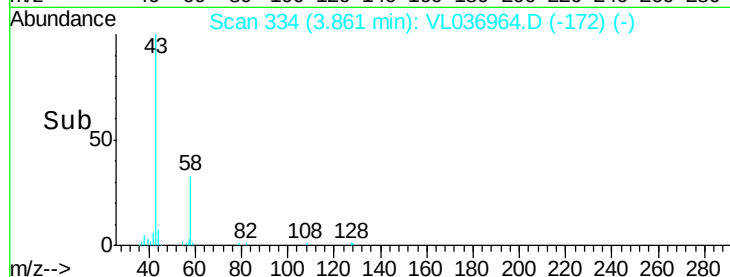
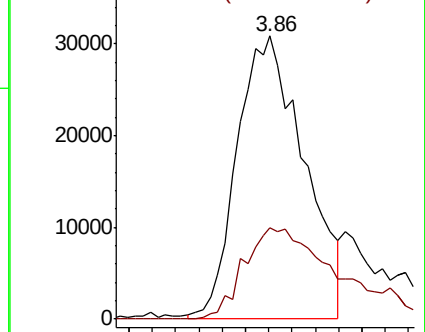
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.467 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036964.D

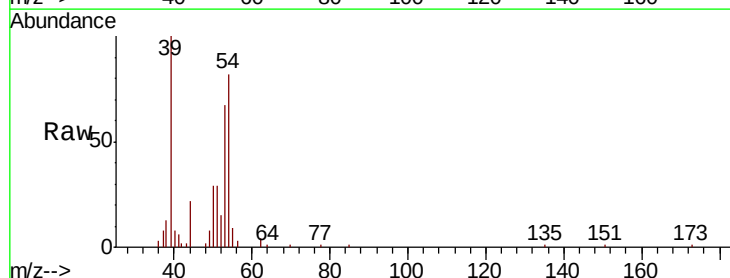
Acq: 18 May 2021 12:01

Tgt Ion: 39 Resp: 36207

Ion Ratio Lower Upper

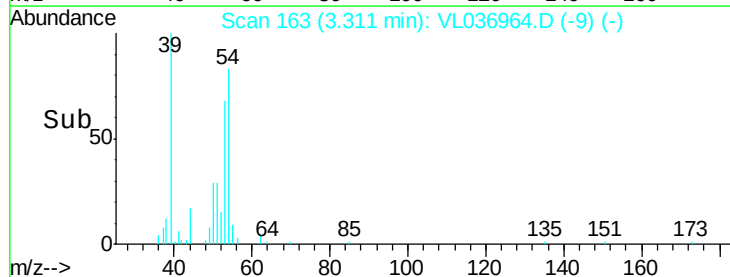
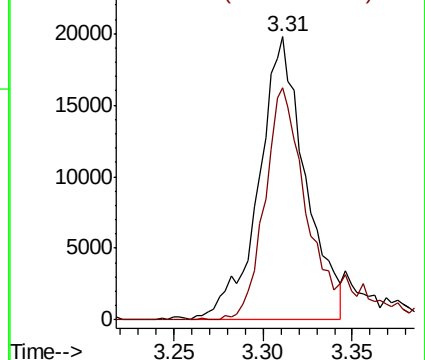
39 100

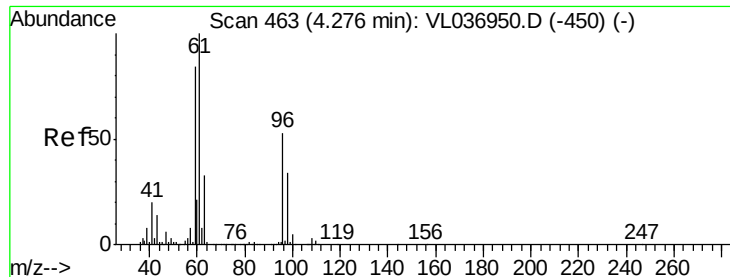
54 84.5 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.501 ppbv m

RT: 4.31 min Scan# 475

Delta R.T. 0.04 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 59 Resp: 57281

Ion Ratio Lower Upper

59 100

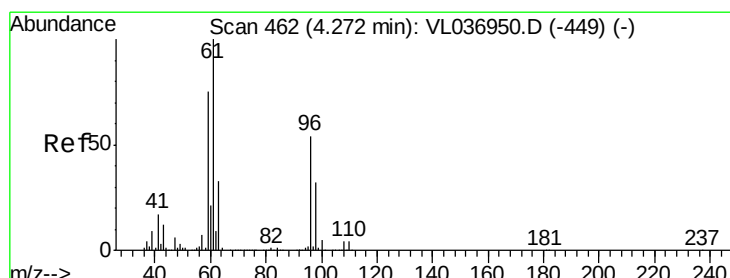
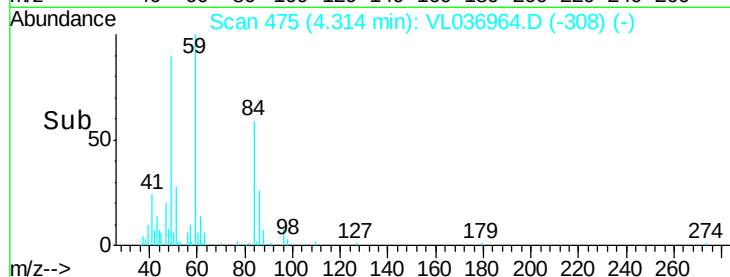
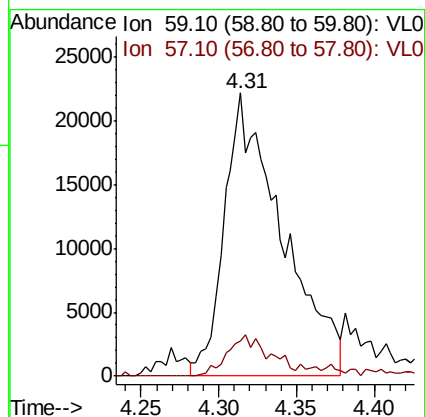
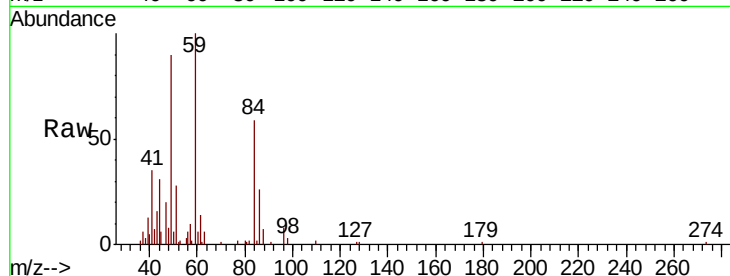
57 0.0 8.3 12.5#

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 0.474 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

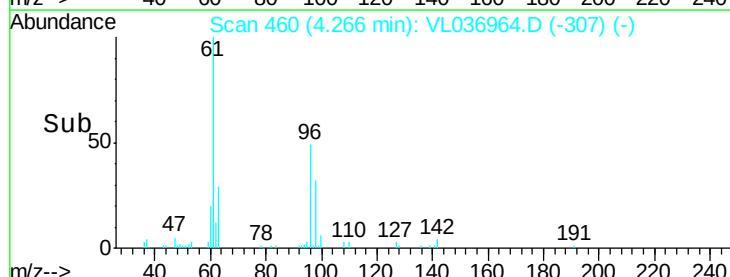
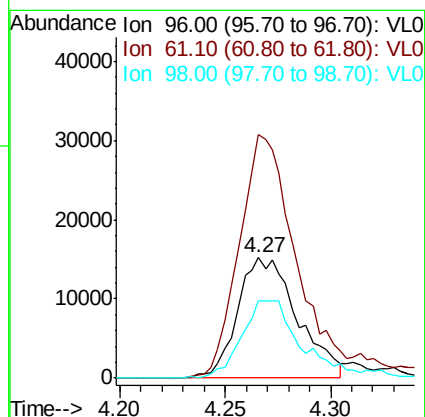
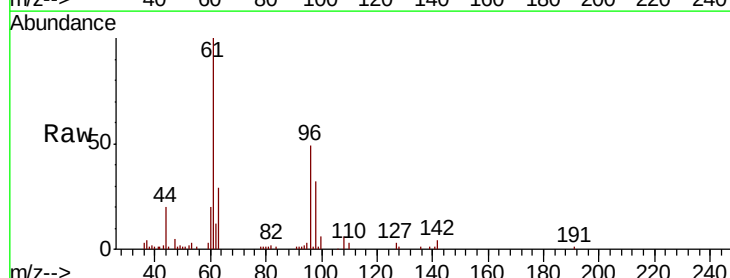
Tgt Ion: 96 Resp: 29875

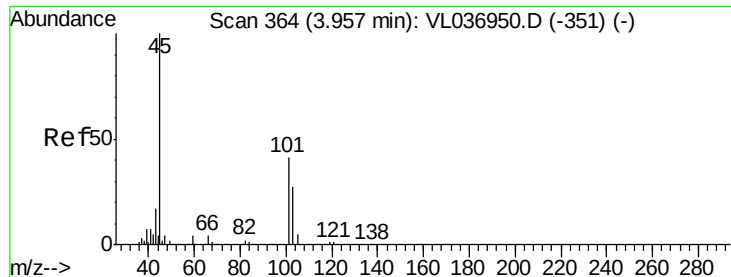
Ion Ratio Lower Upper

96 100

61 201.2 148.2 222.4

98 63.3 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.569 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 45 Resp: 38208

Ion Ratio Lower Upper

45 100

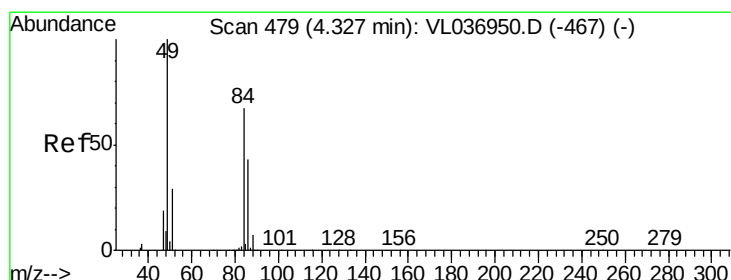
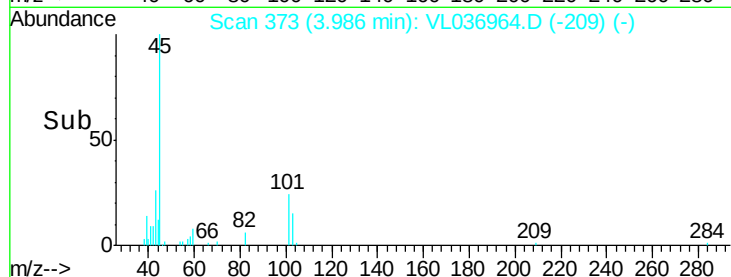
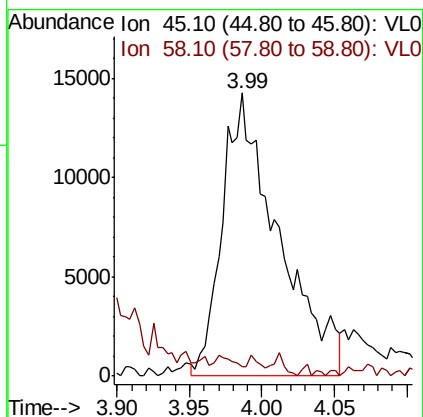
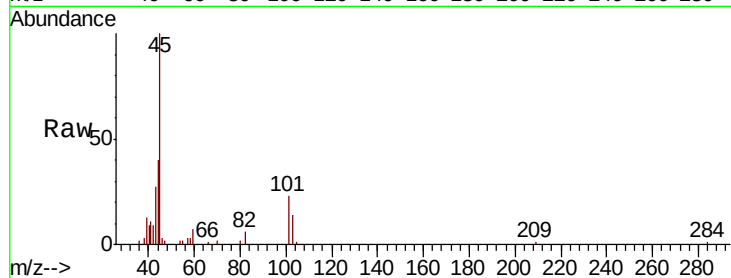
58 0.0 37.2 55.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.554 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion: 84 Resp: 37087

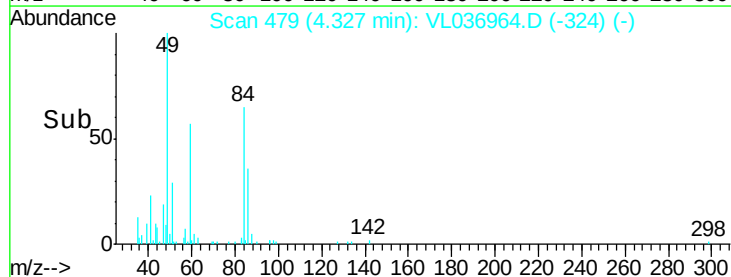
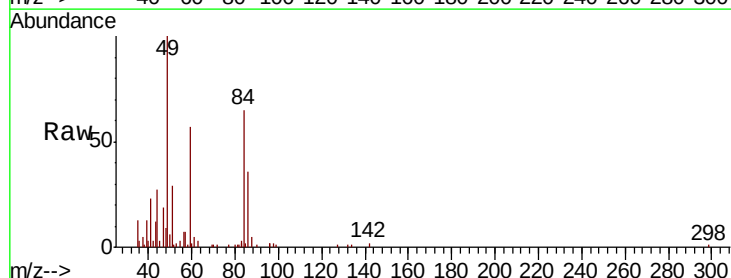
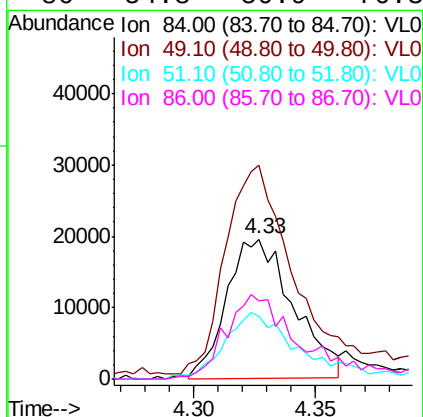
Ion Ratio Lower Upper

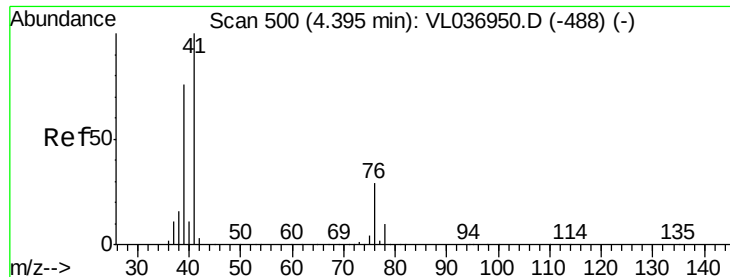
84 100

49 143.9 119.8 179.6

51 42.6 35.1 52.7

86 54.8 50.9 76.3





#21

Allvl Chloride

Concen: 0.472 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

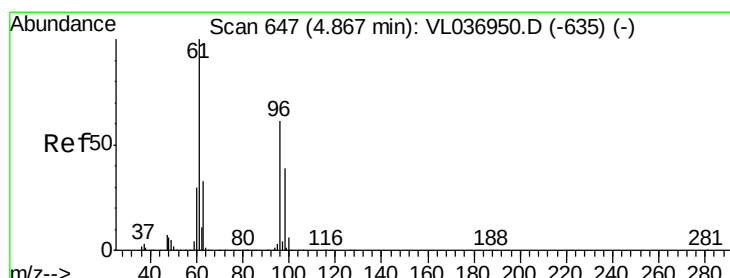
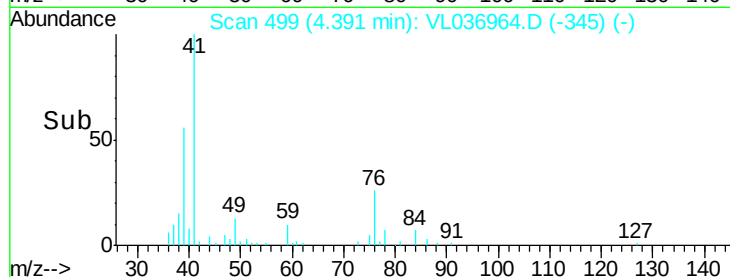
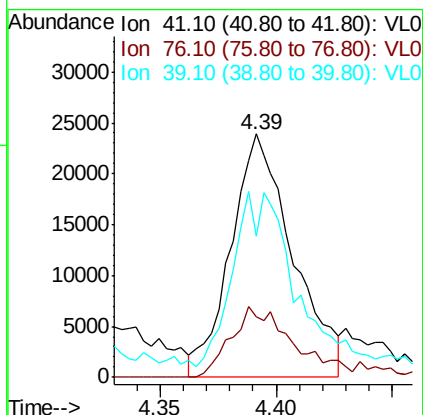
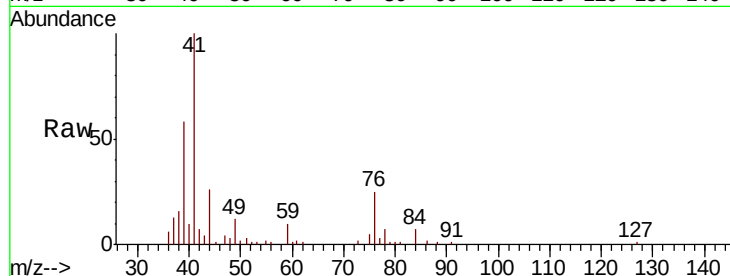
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	41	Resp:	44429
Ion	Ratio	Lower	Upper
41	100		
76	32.6	24.9	37.3
39	88.5	63.7	95.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 0.479 ppbv m

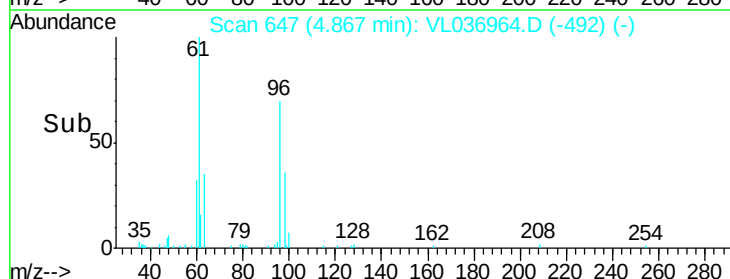
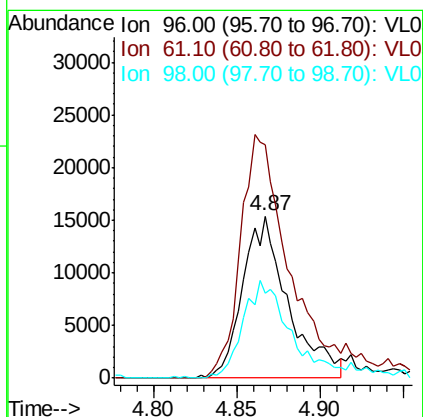
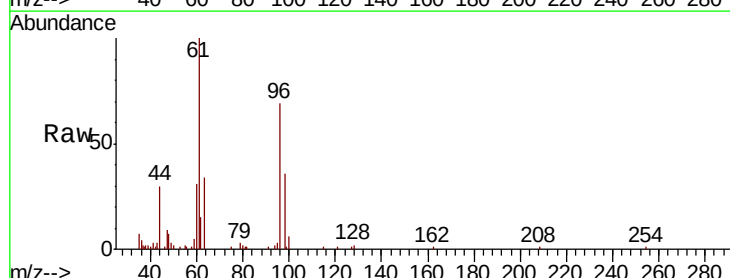
RT: 4.87 min Scan# 647

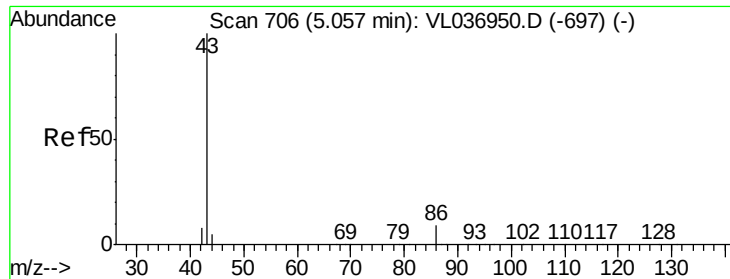
Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:	96	Resp:	28972
Ion	Ratio	Lower	Upper
96	100		
61	144.3	130.6	196.0
98	52.2	50.8	76.2





#23

Vinyl Acetate

Concen: 0.458 ppbv m

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

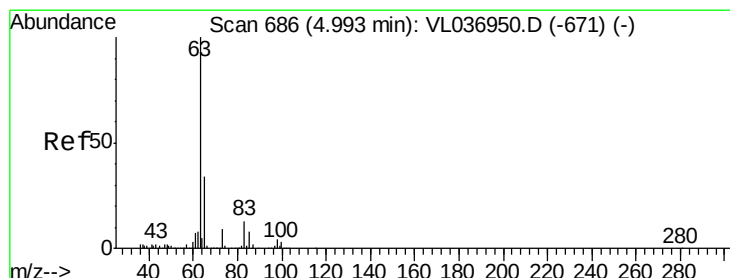
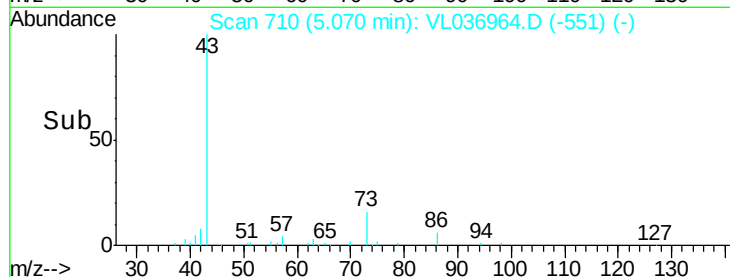
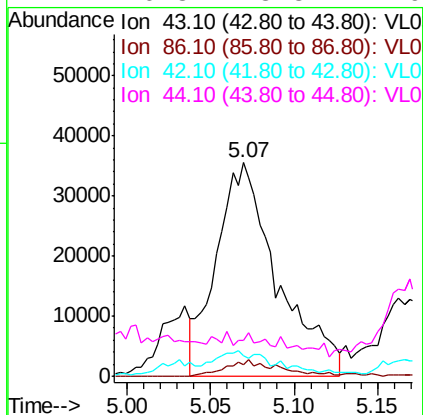
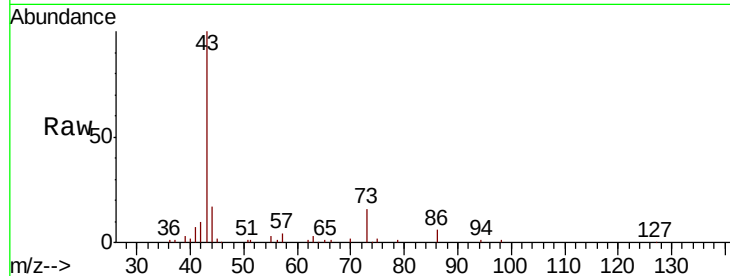
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion	43	Resp	90874
Ion Ratio	Lower	Upper	
43	100		
86	5.5	5.8	8.8#
42	9.8	7.4	11.2
44	16.8	3.3	4.9#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.435 ppbv

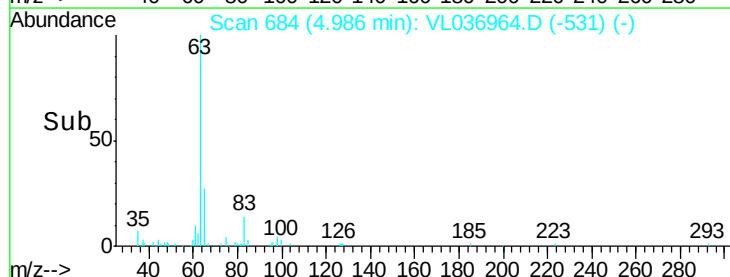
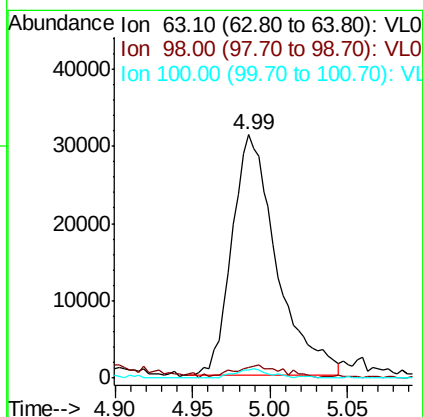
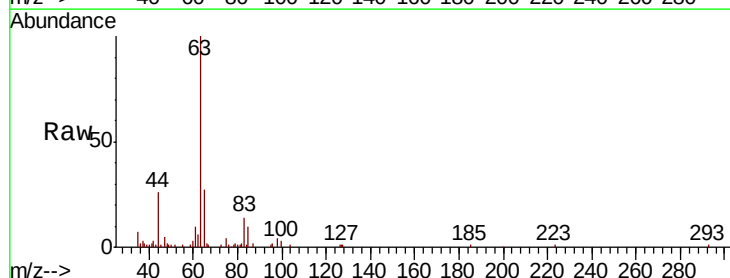
RT: 4.99 min Scan# 684

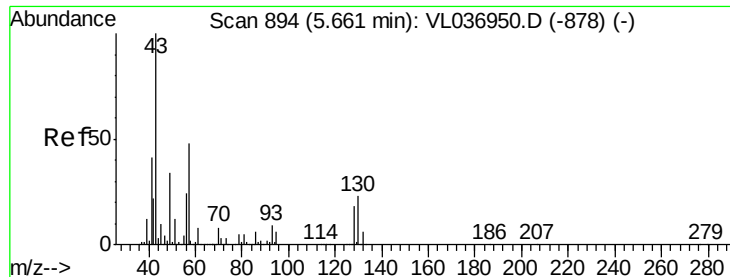
Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion	63	Resp	62121
Ion Ratio	Lower	Upper	
63	100		
98	3.1	2.3	6.9
100	3.5	1.4	4.0





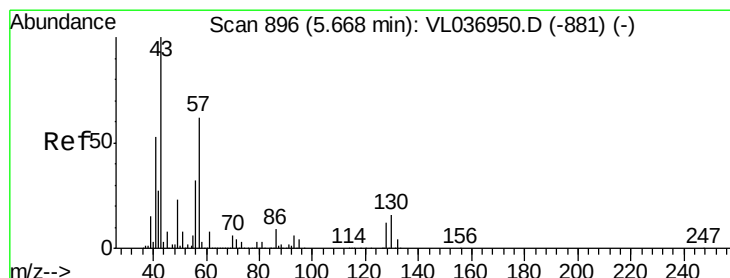
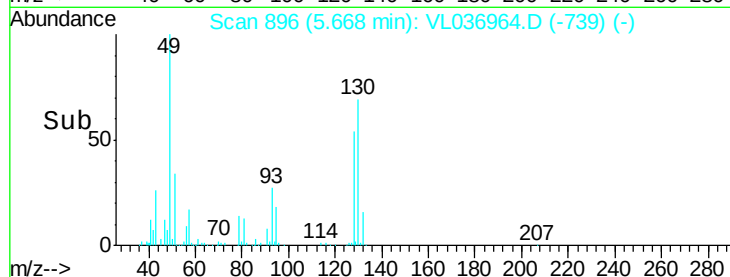
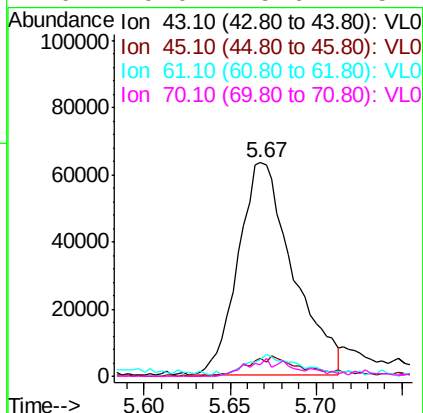
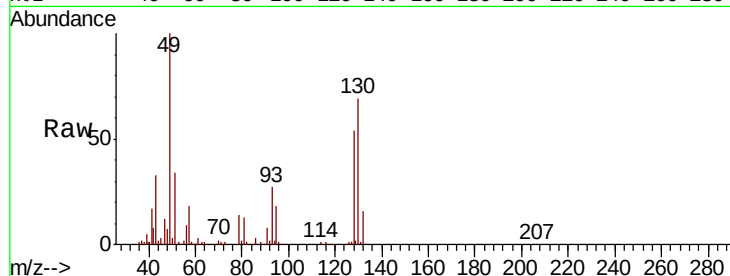
#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
43	100		
45	11.0	7.8	11.8
61	9.3	7.8	11.8
70	9.0	5.6	8.4

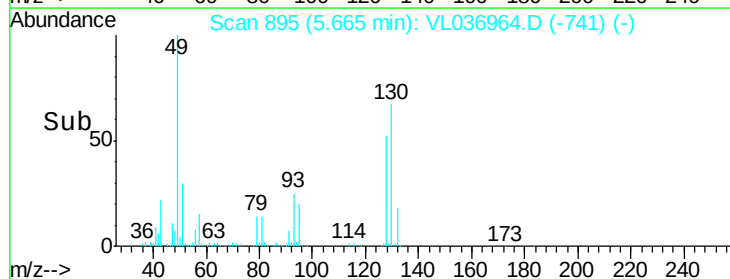
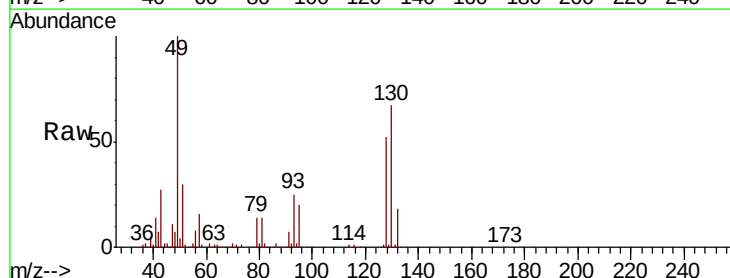
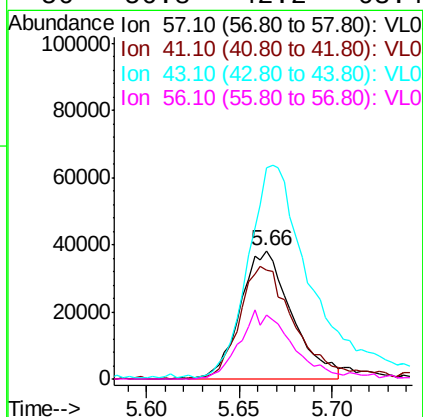
Manual Integrations
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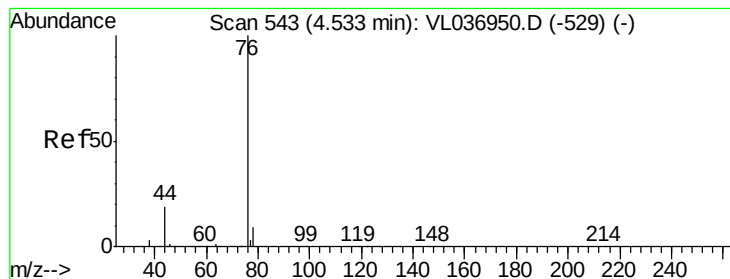
MMDadoda
5/20/2021 5:55:02 PM



#26
Hexane
Concen: 0.482 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.2	70.5	105.7
43	218.2	165.8	248.8
56	56.8	42.2	63.4





#27

Carbon Disulfide

Concen: 0.421 ppbv m

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

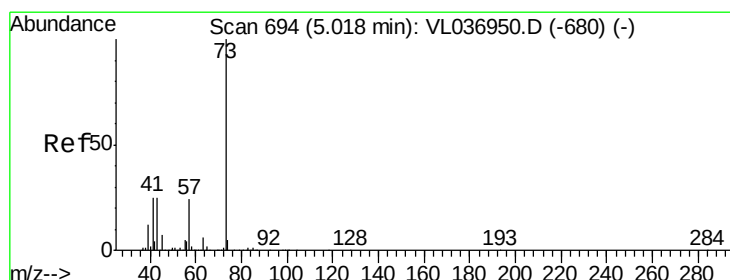
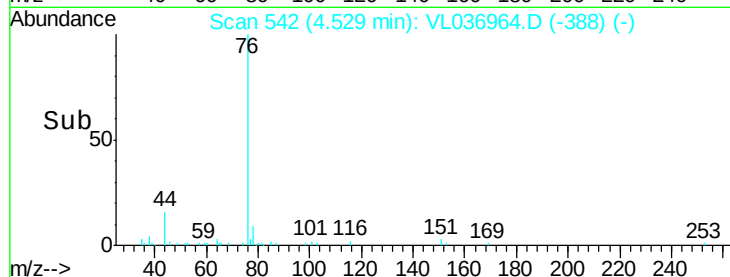
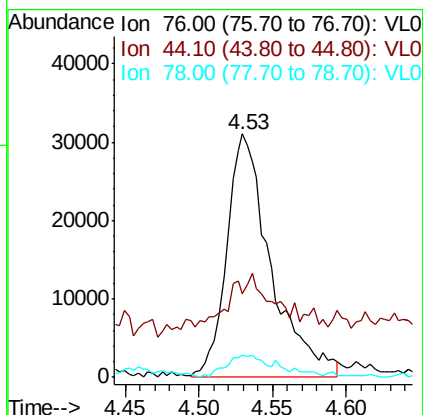
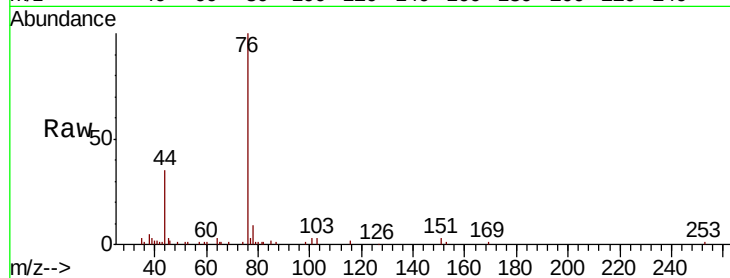
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	76	Resp:	64967
Ion	Ratio	Lower	Upper
76	100		
44	41.2	15.5	23.3#
78	11.6	7.8	11.6

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#28

Methyl tert-Butyl Ether

Concen: 0.473 ppbv m

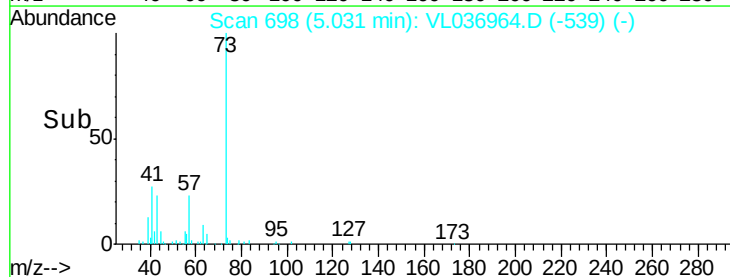
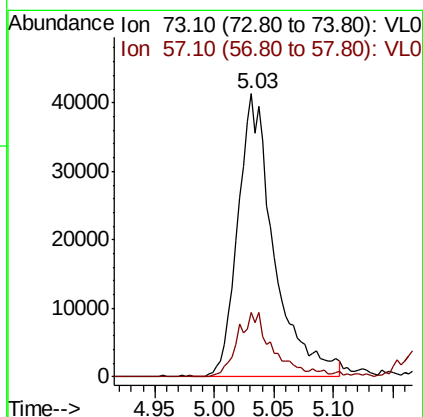
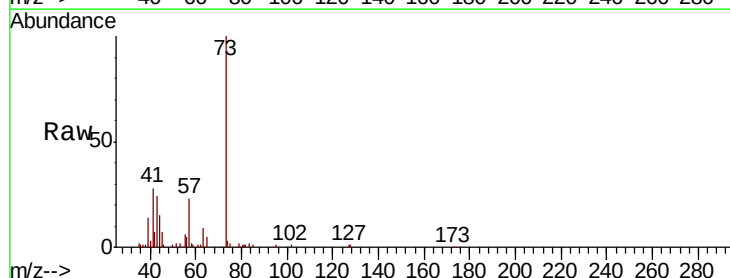
RT: 5.03 min Scan# 698

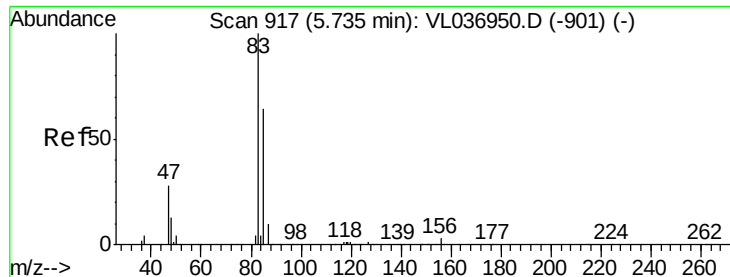
Delta R.T. 0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:	73	Resp:	86898
Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.3	27.5





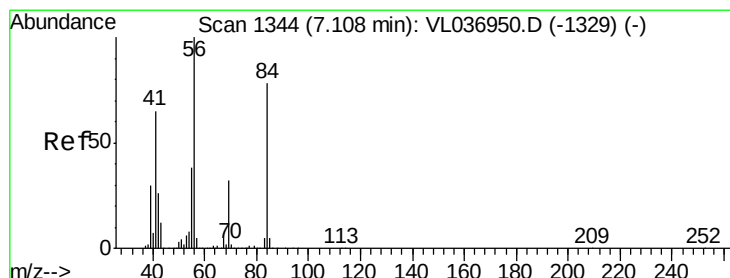
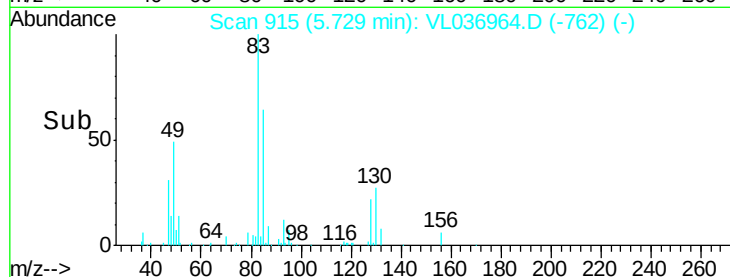
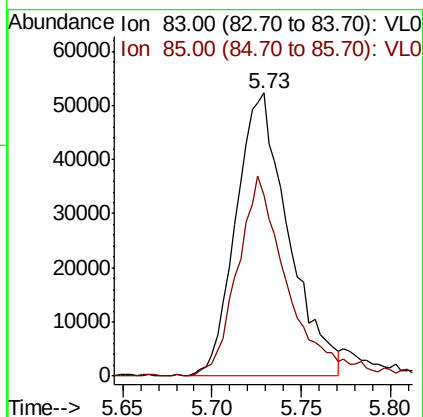
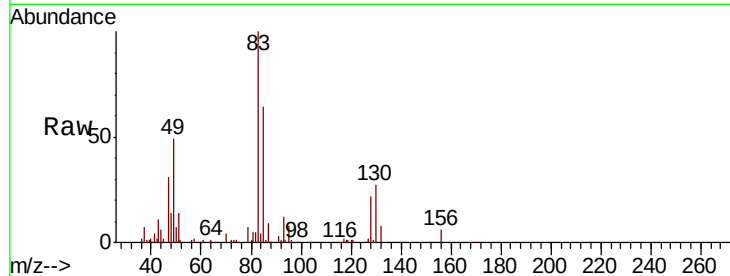
#29
Chloroform
Concen: 0.496 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion: 83 Resp: 107457
Ion Ratio Lower Upper
83 100
85 63.8 51.1 76.7

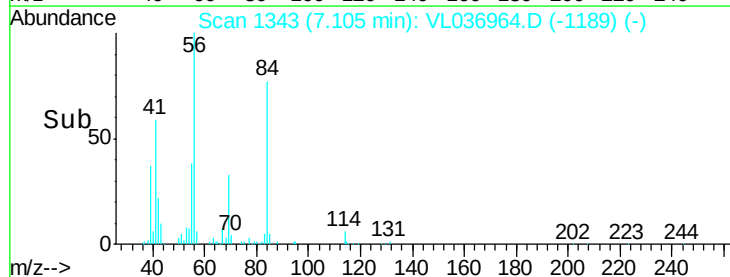
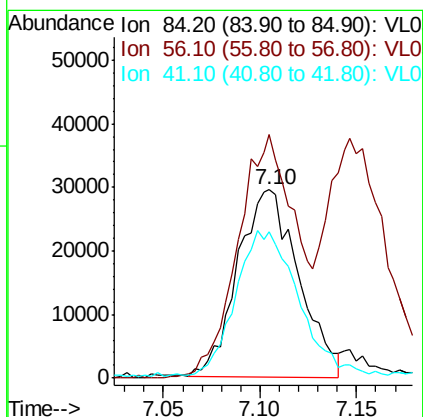
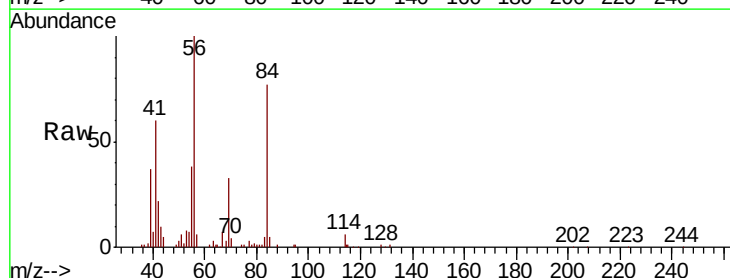
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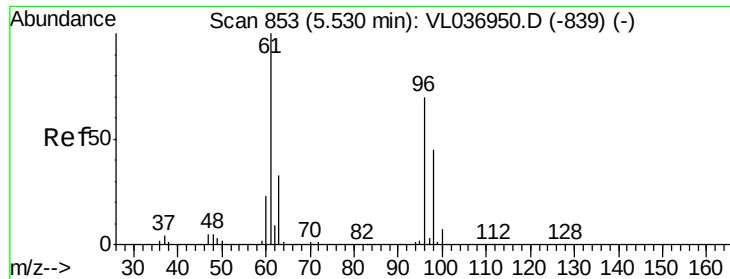
MMDadoda
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#30
Cyclohexane
Concen: 0.495 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 84 Resp: 64437
Ion Ratio Lower Upper
84 100
56 131.1 107.9 161.9
41 86.9 65.5 98.3





#31

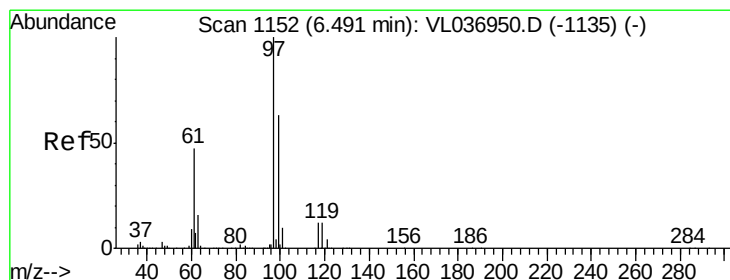
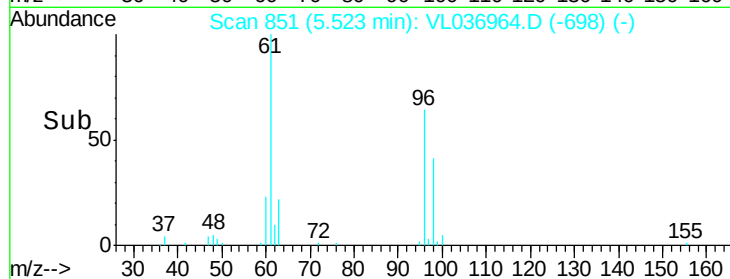
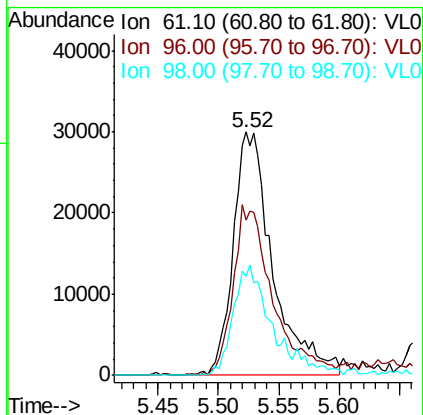
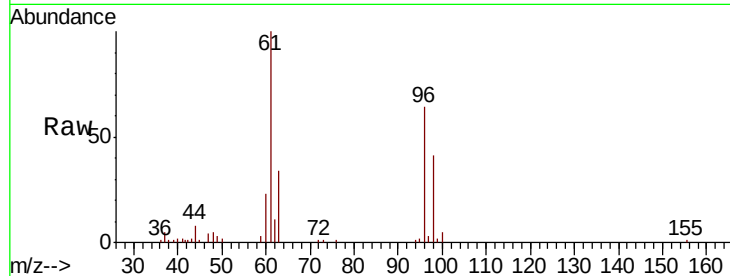
cis-1,2-Dichloroethene
Concen: 0.502 ppbv m
RT: 5.52 min Scan# 851
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Resp	Lower	Upper
61	100	68959		
96	63.8		55.9	83.9
98	40.6		35.6	53.4

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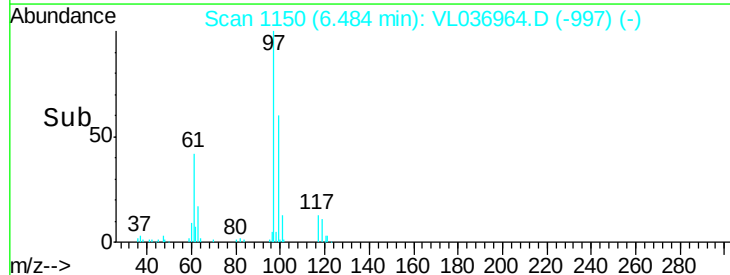
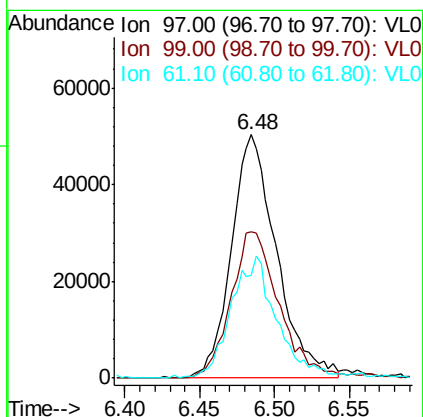
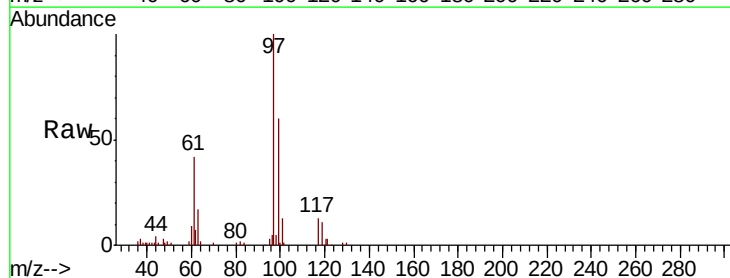
MMDadoda
5/20/2021 5:55:02 PM

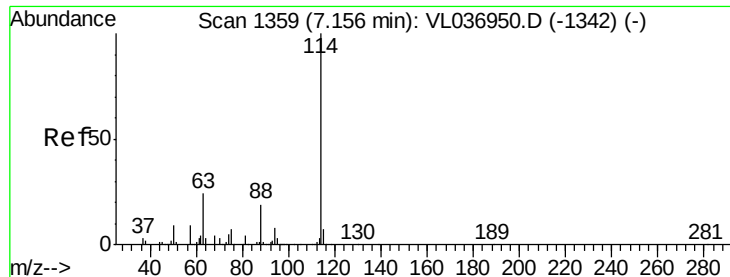


#32

1,1,1-Trichloroethane
Concen: 0.455 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	105867		
99	65.3		51.9	77.9
61	51.7		37.6	56.4





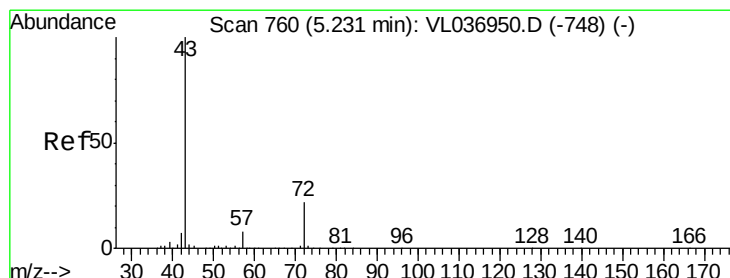
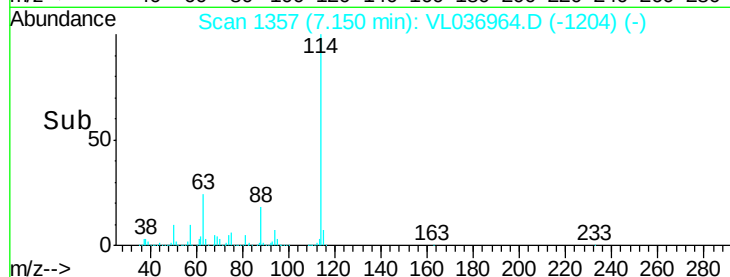
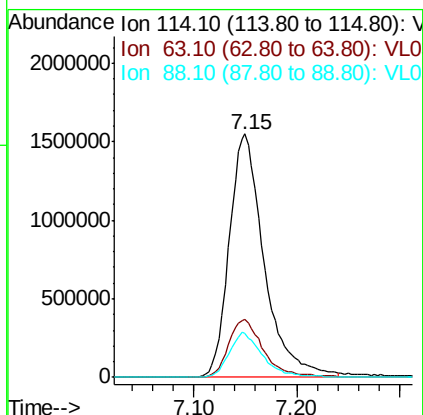
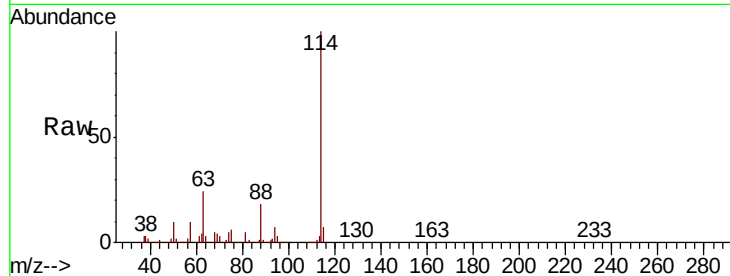
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.1	14.6	21.8

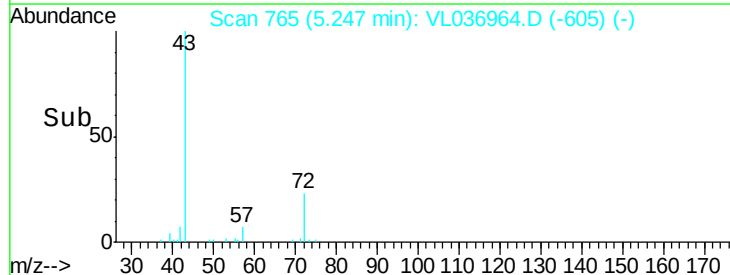
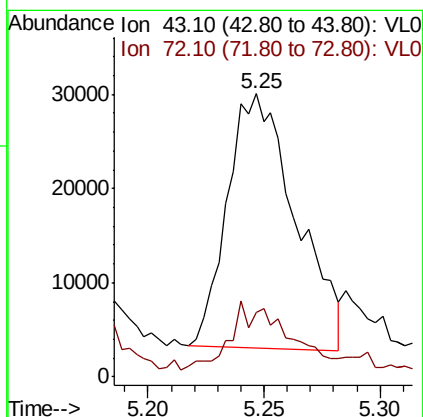
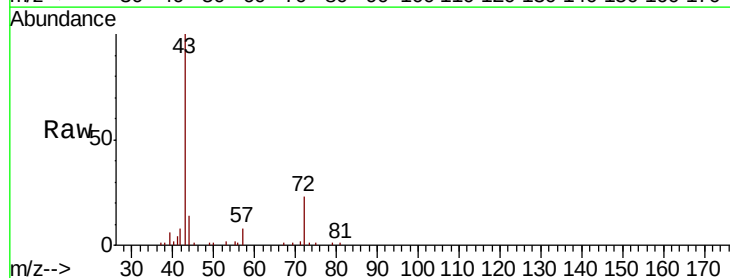
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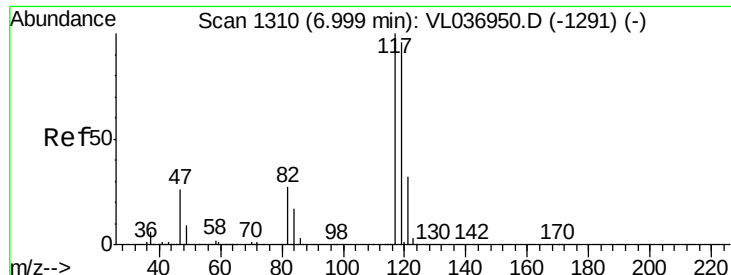
MMDadoda
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#34
 2-Butanone
 Concen: 0.416 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	40.2	19.0	28.4





#35

Carbon Tetrachloride

Concen: 0.425 ppbv m

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

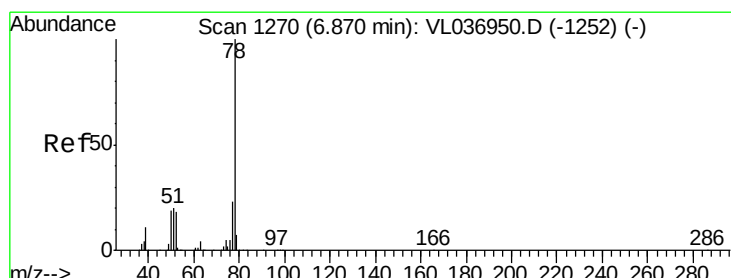
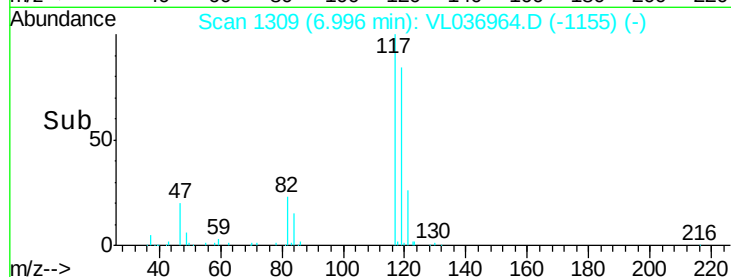
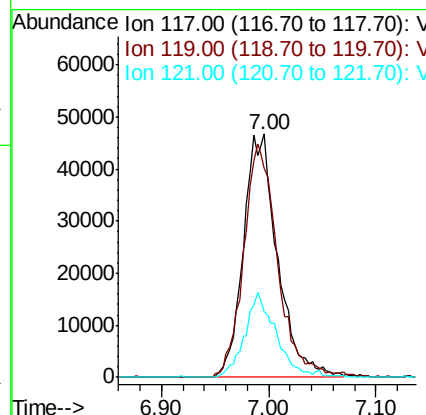
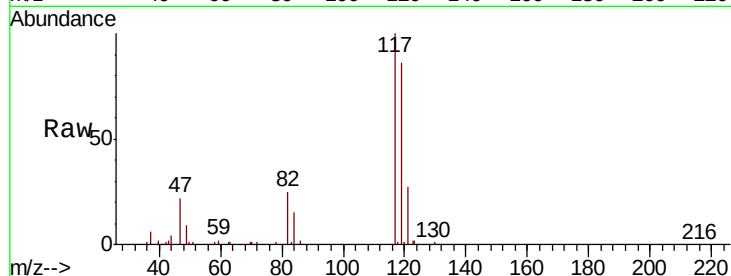
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	117	Resp:	103176
Ion Ratio	Lower	Upper	
117	100		
119	85.7	76.6	114.8
121	26.9	25.8	38.6

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#36

Benzene

Concen: 0.498 ppbv

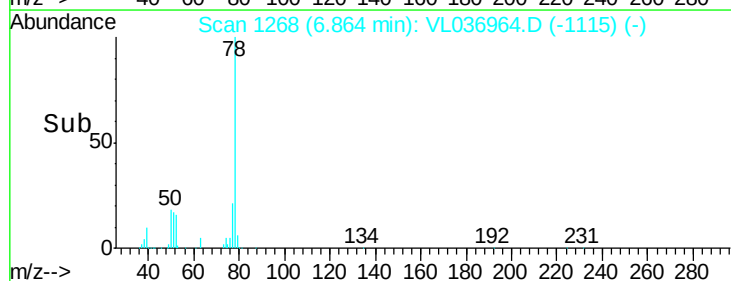
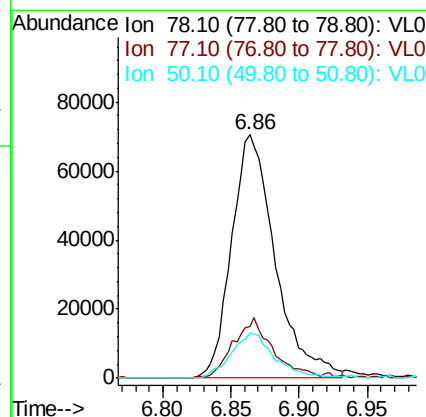
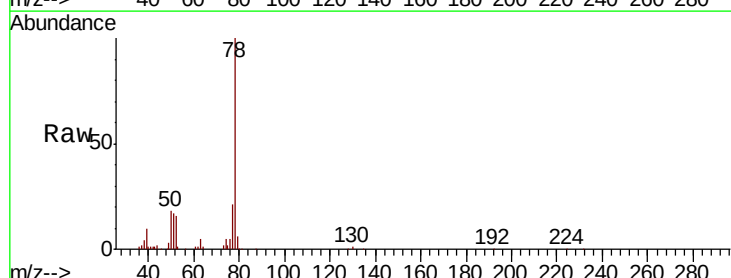
RT: 6.86 min Scan# 1268

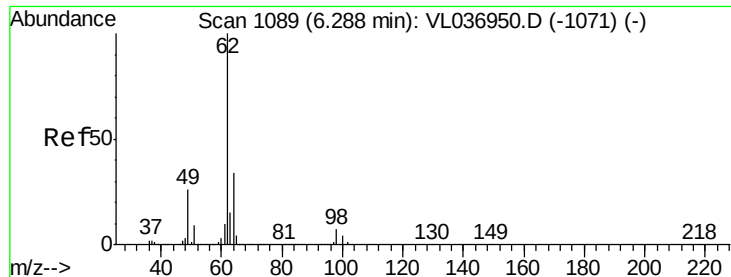
Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:	78	Resp:	156709
Ion Ratio	Lower	Upper	
78	100		
77	21.4	18.6	28.0
50	18.1	15.0	22.4





#37

1,2-Dichloroethane

Concen: 0.448 ppbv

RT: 6.29 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 62 Resp: 69810

Ion Ratio Lower Upper

62 100

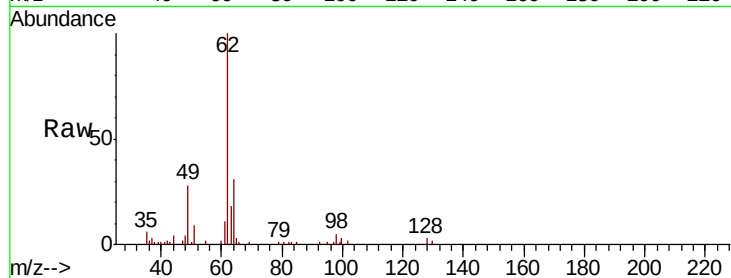
98 7.7 5.5 8.3

Manual Integrations

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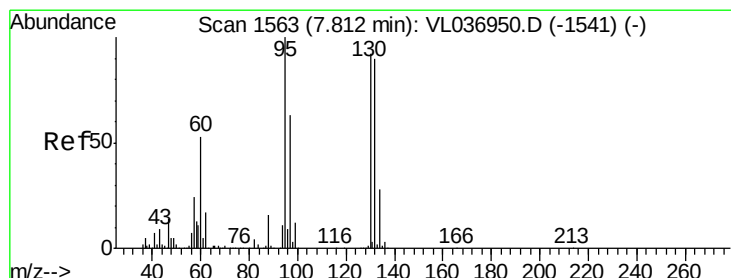
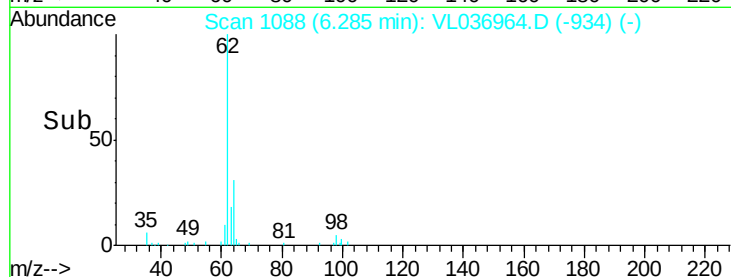
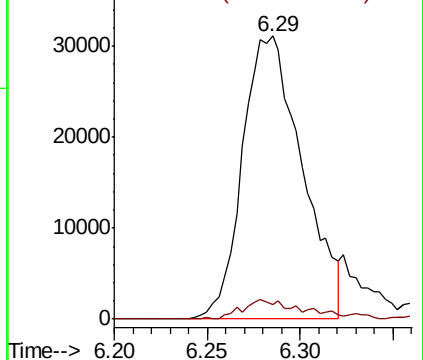
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.439 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:130 Resp: 59094

Ion Ratio Lower Upper

130 100

95 99.6 86.9 130.3

132 84.3 78.4 117.6

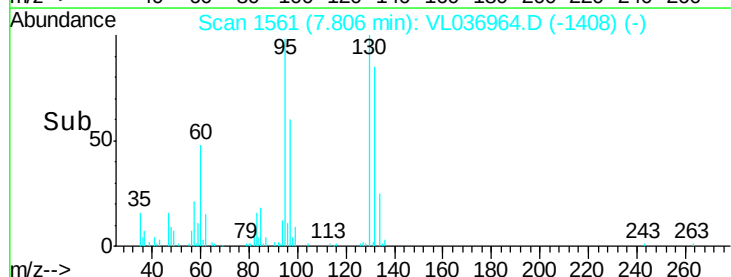
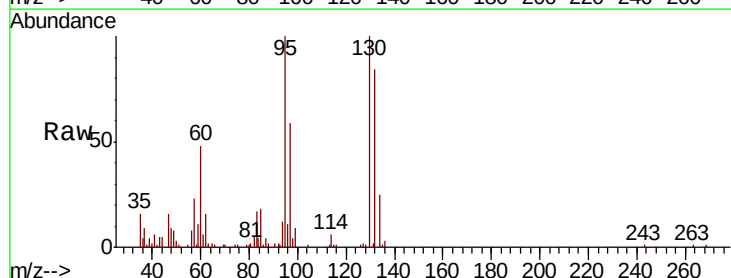
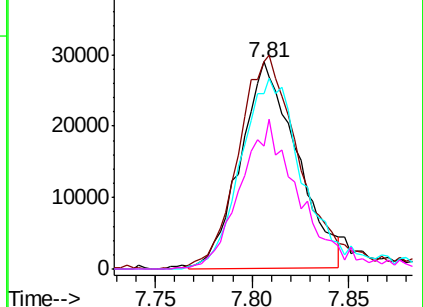
97 59.7 55.0 82.6

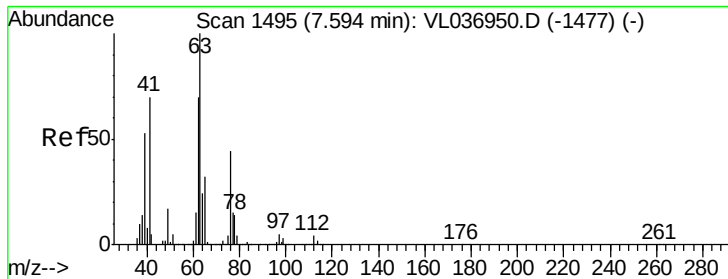
Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0





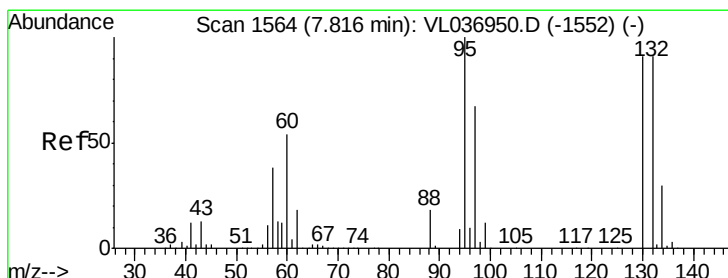
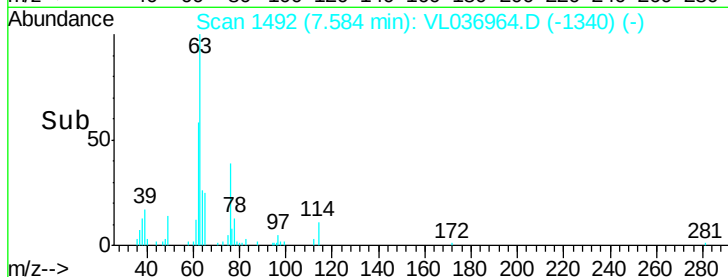
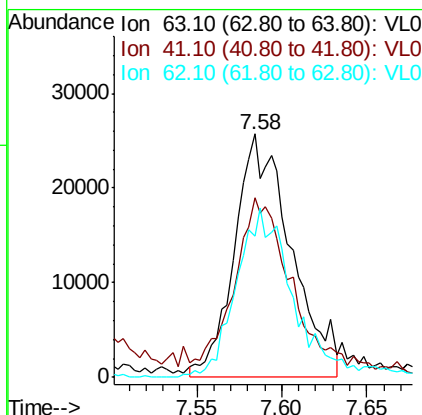
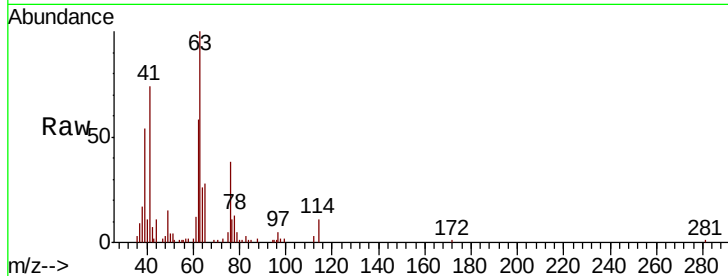
#39
 1,2-Dichloropropane
 Concen: 0.489 ppbv m
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.6	55.7	83.5
62	58.2	56.2	84.4

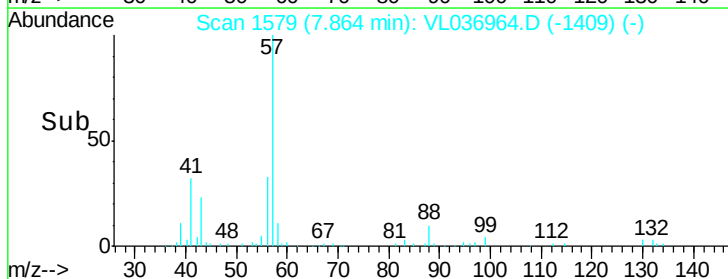
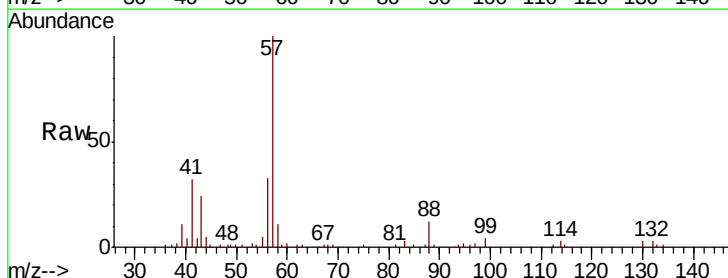
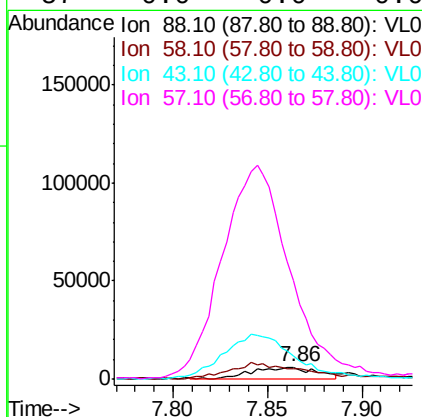
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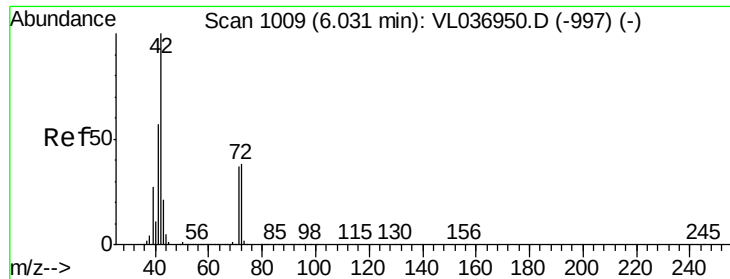
MMDadoda
 5/20/2021 5:55:02 PM



#40
 1,4-Dioxane
 Concen: 0.499 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.05 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt 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





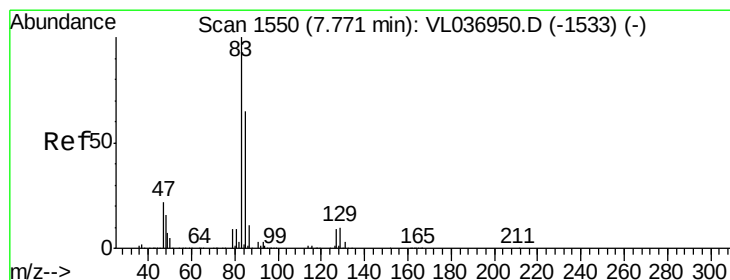
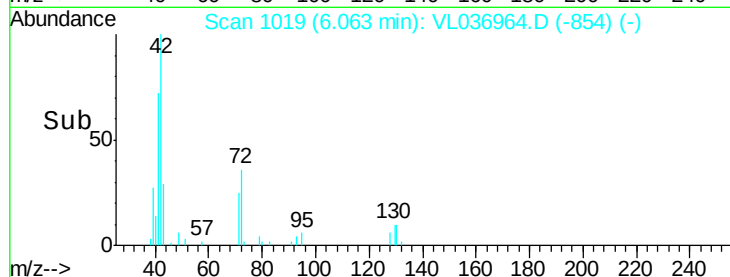
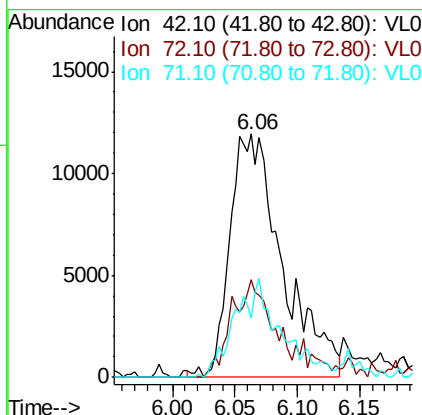
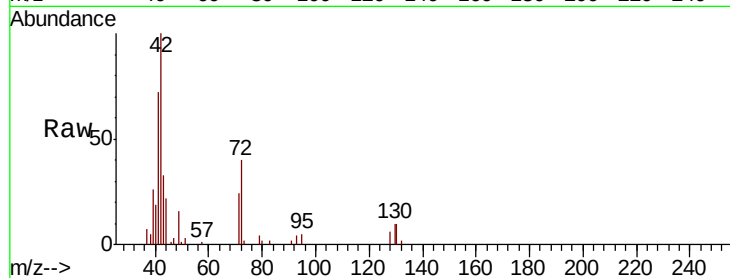
#41
Tetrahydrofuran
Concen: 0.462 ppbv m
RT: 6.06 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

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

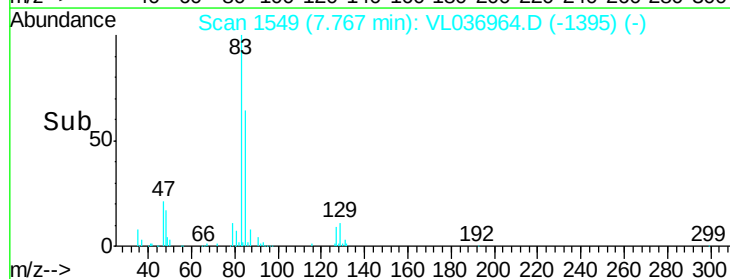
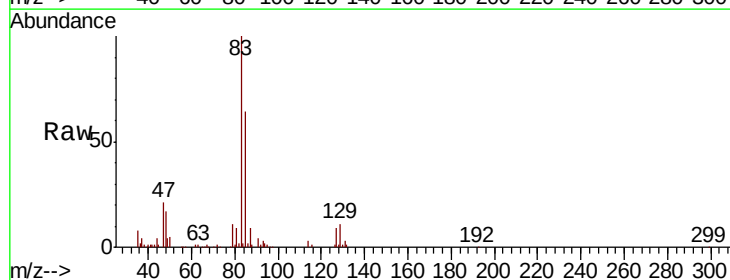
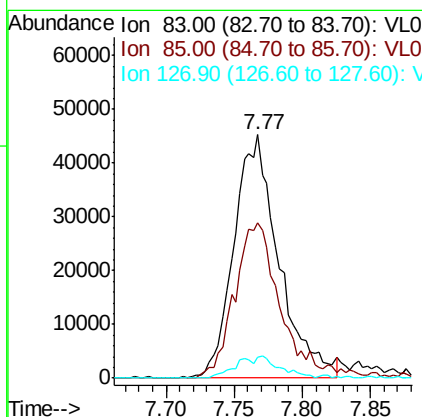
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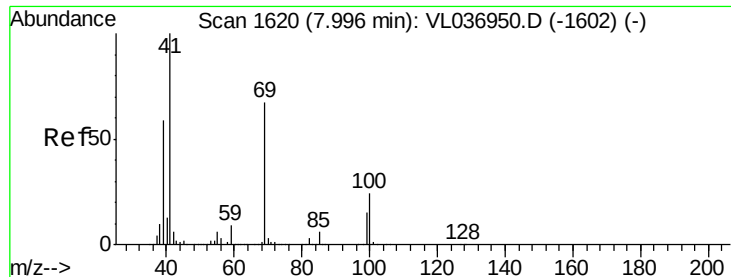
MMDadoda
5/20/2021 5:55:02 PM



#42
Bromodichloromethane
Concen: 0.438 ppbv m
RT: 7.77 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.7	77.5
127	8.7	6.9	10.3





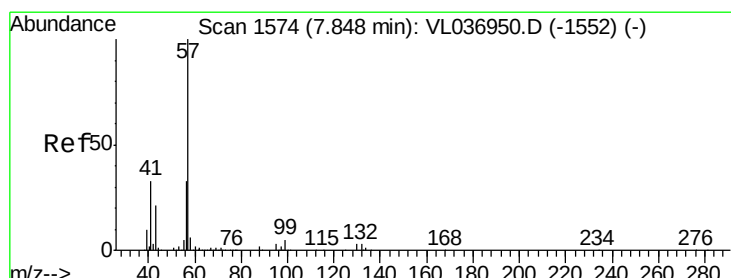
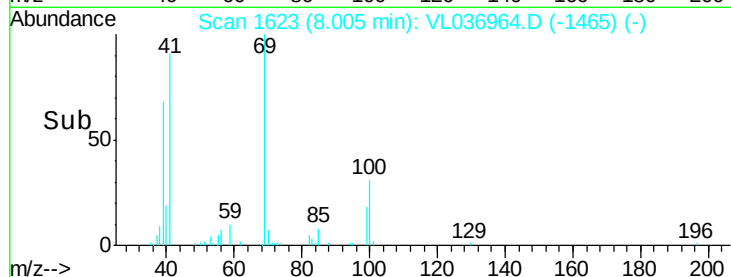
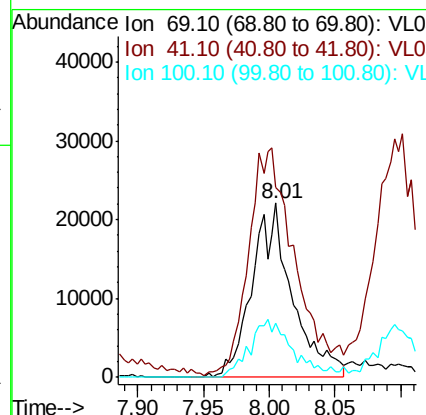
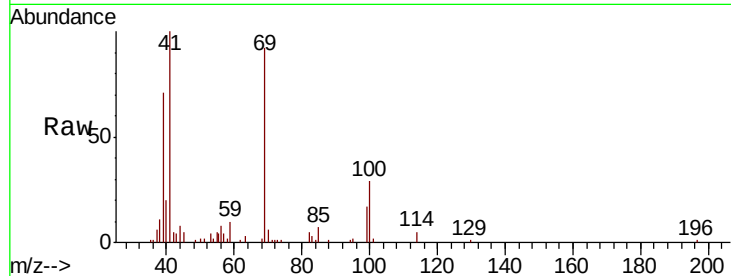
#43
Methyl Methacrylate
Concen: 0.433 ppbv m
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Resp	Lower	Upper
69	100	46912		
41	0.0	118.6	178.0#	
100	0.0	28.2	42.4#	

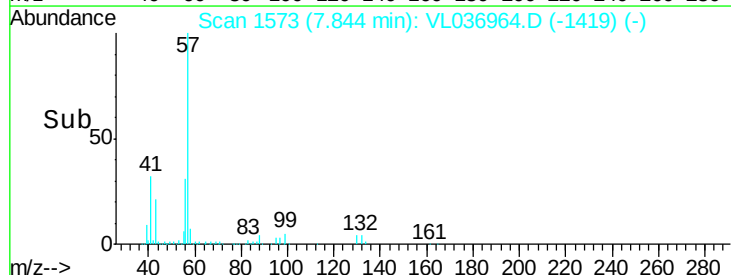
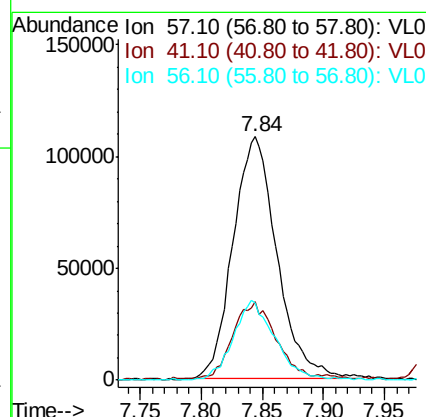
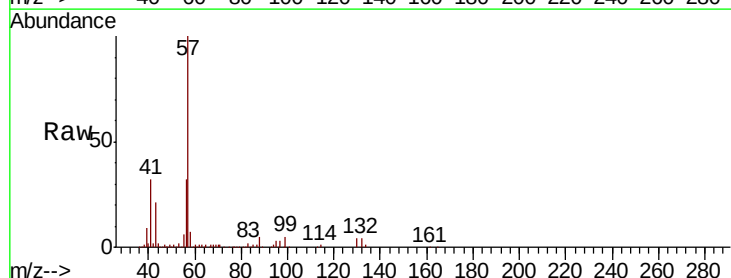
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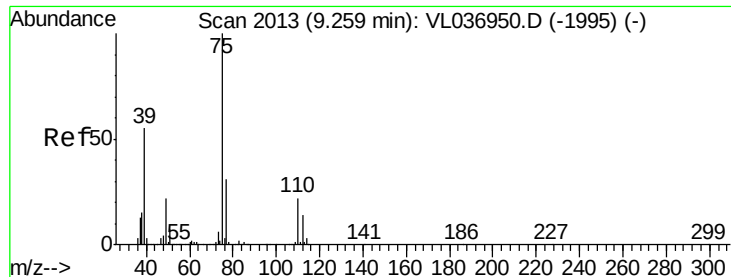
MMDadoda
5/20/2021 5:55:02 PM



#44
2,2,4-Trimethylpentane
Concen: 0.498 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	268819		
41	32.9	27.0	40.4	
56	32.1	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 0.339 ppbv m

RT: 9.25 min Scan# 2009

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 75 Resp: 28073

Ion Ratio Lower Upper

75 100

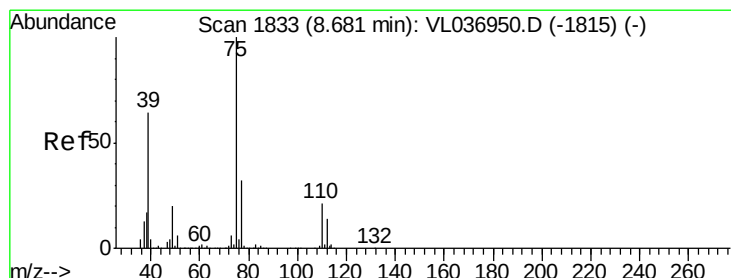
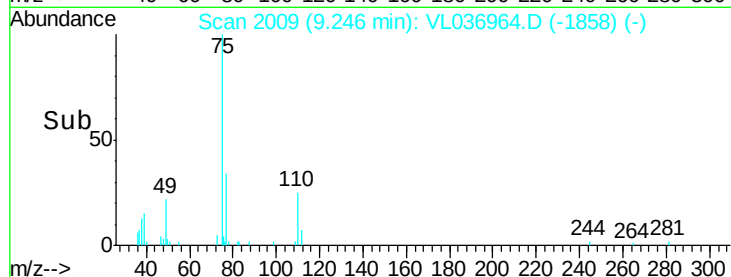
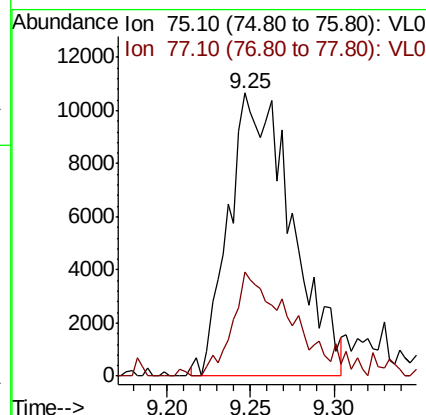
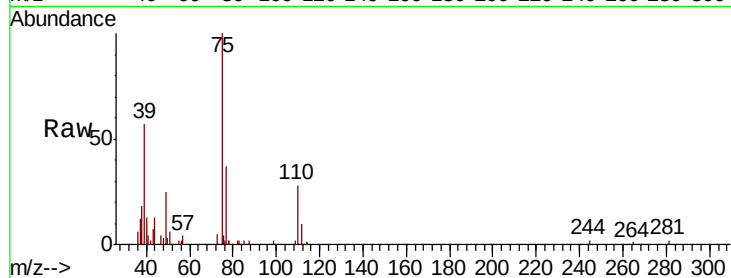
77 36.8 24.4 36.6#

Manual Integrations

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MMDadoda

5/20/2021 5:55:02 PM



#46

cis-1,3-Dichloropropene

Concen: 0.379 ppbv m

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

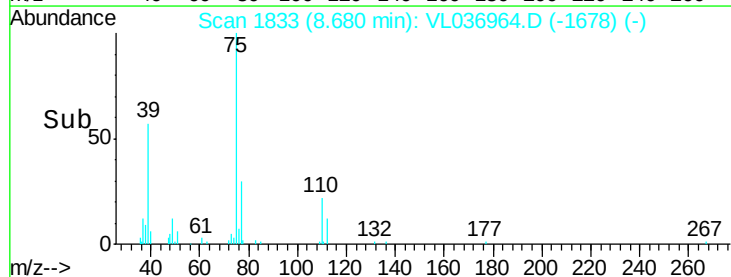
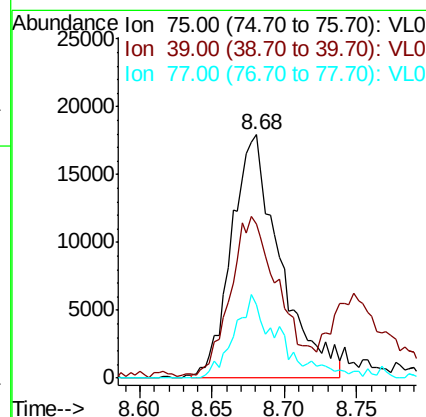
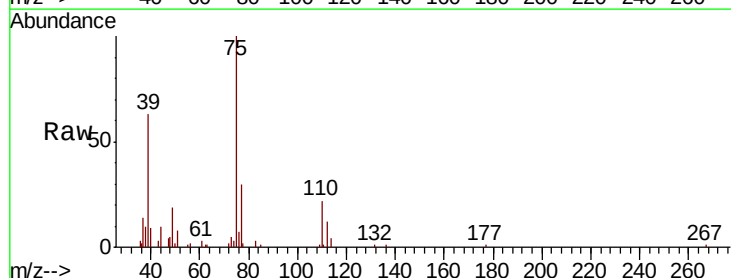
Tgt Ion: 75 Resp: 42203

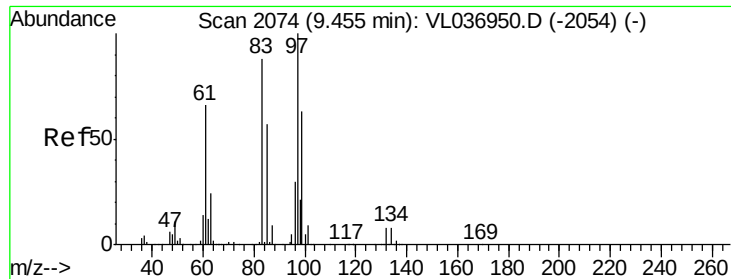
Ion Ratio Lower Upper

75 100

39 63.3 51.5 77.3

77 30.2 25.9 38.9





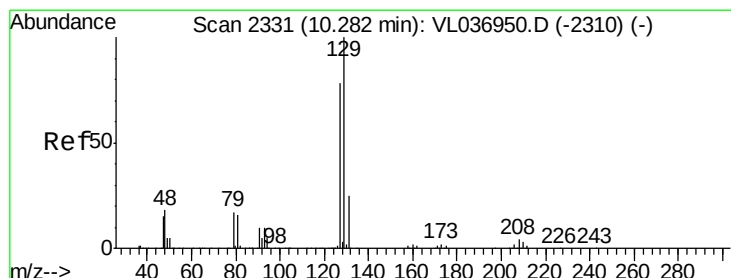
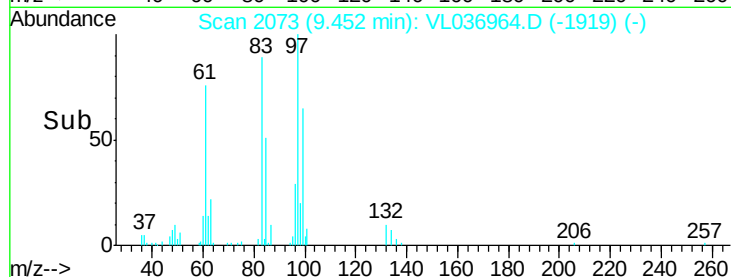
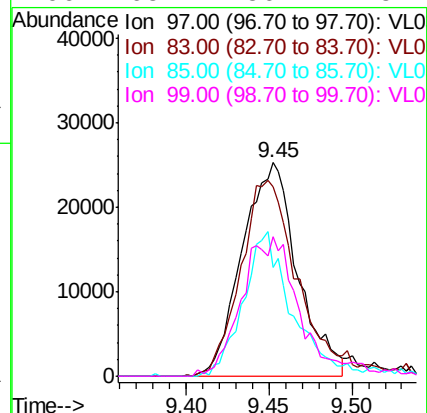
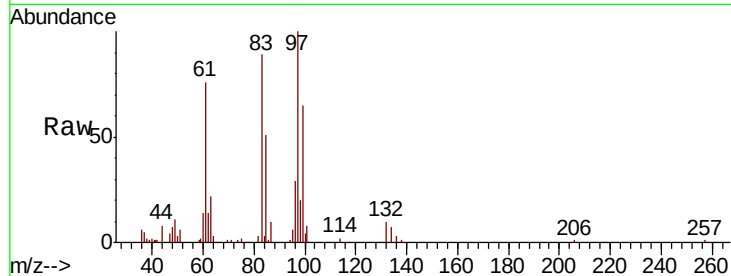
#47
 1,1,2-Trichloroethane
 Concen: 0.462 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		58623		
83	88.5	70.4	105.6		
85	51.0	45.5	68.3		
99	65.4	50.2	75.2		

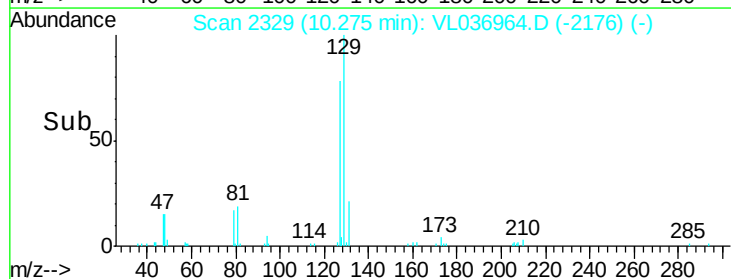
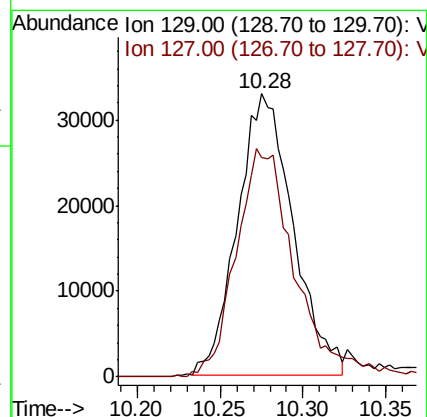
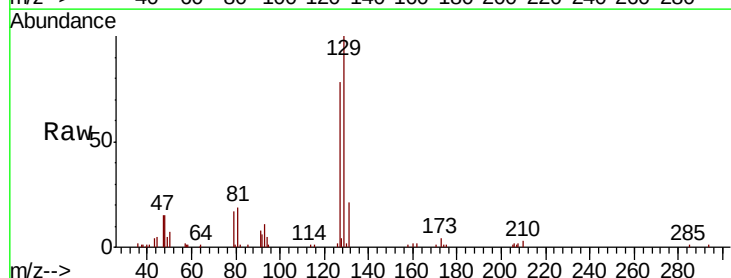
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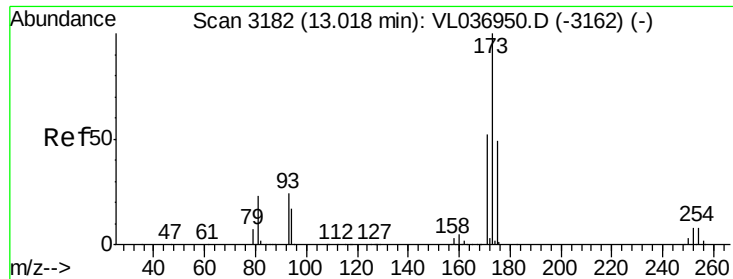
MMDadoda
 5/20/2021 5:55:02 PM



#48
 Dibromochloromethane
 Concen: 0.370 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		76066		
127	88.3	39.3	117.8		





#49

Bromoform

Concen: 0.346 ppbv m

RT: 13.01 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

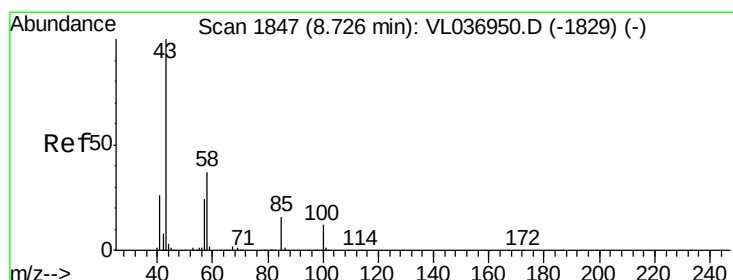
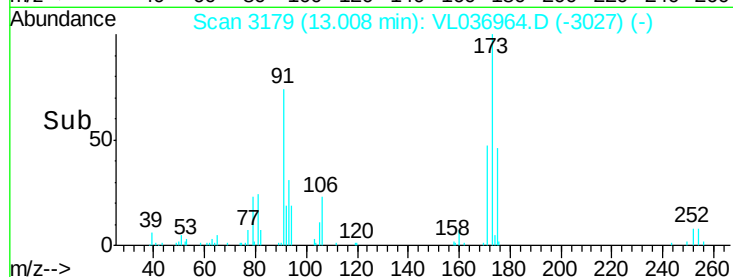
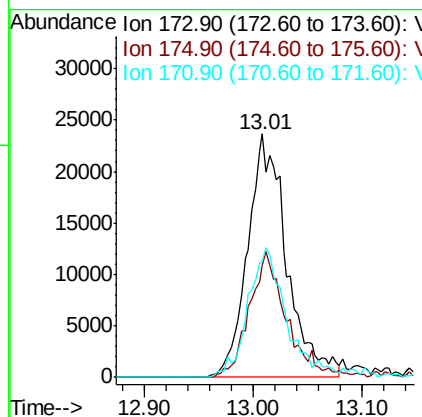
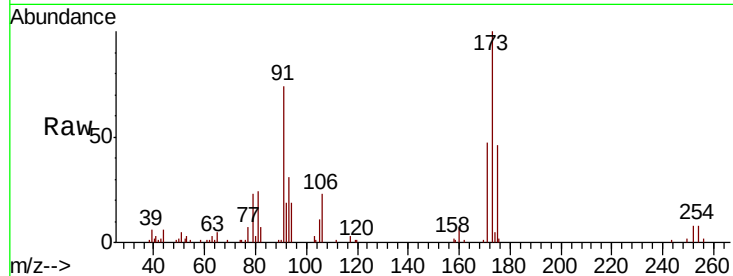
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	173	Resp:	58701
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.4	60.6#
171	0.0	42.6	64.0#

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#50

4-Methyl-2-Pentanone

Concen: 0.391 ppbv

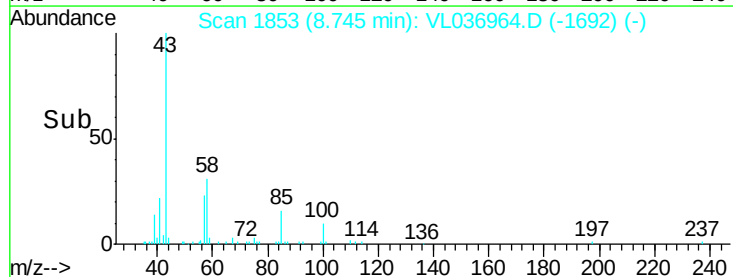
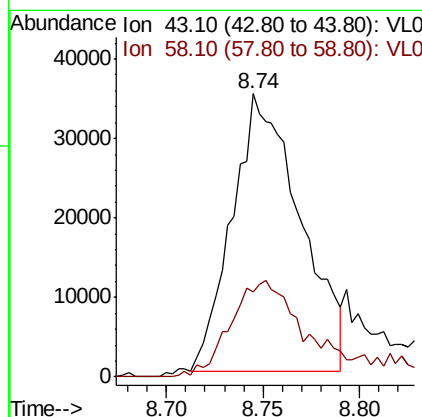
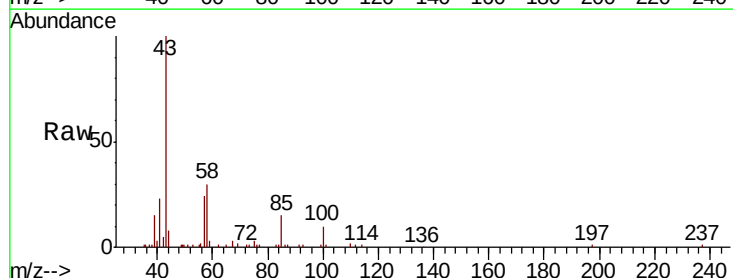
RT: 8.74 min Scan# 1853

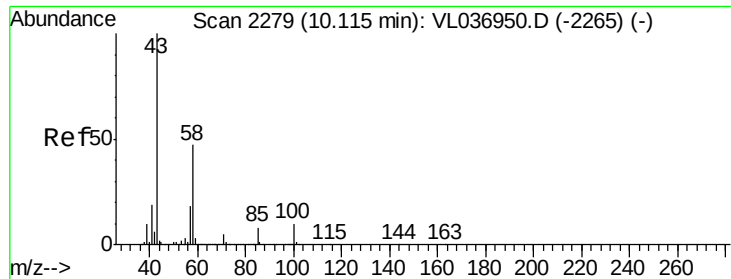
Delta R.T. 0.02 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:	43	Resp:	85872
Ion Ratio	Lower	Upper	
43	100		
58	38.3	29.4	44.2





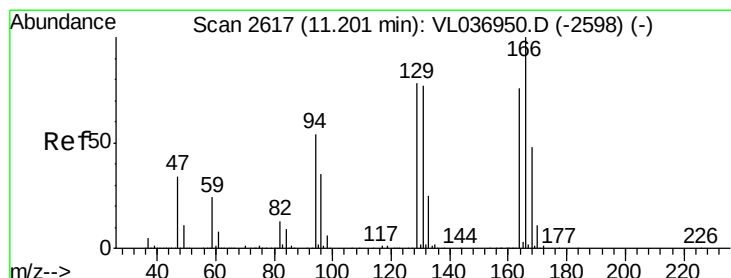
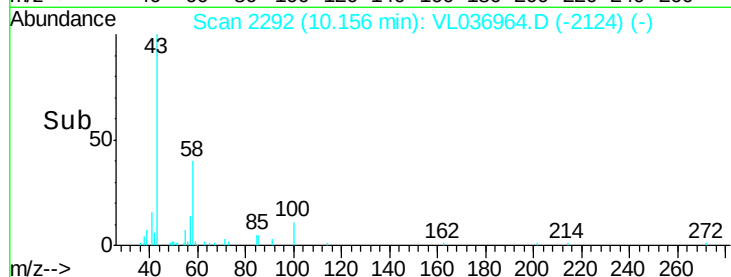
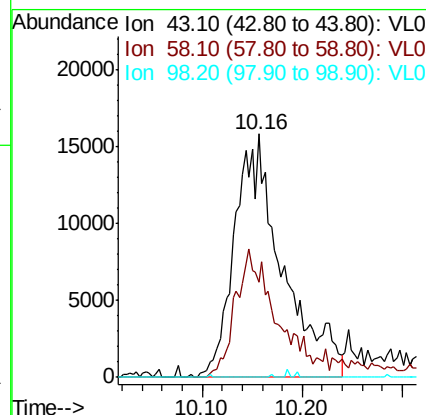
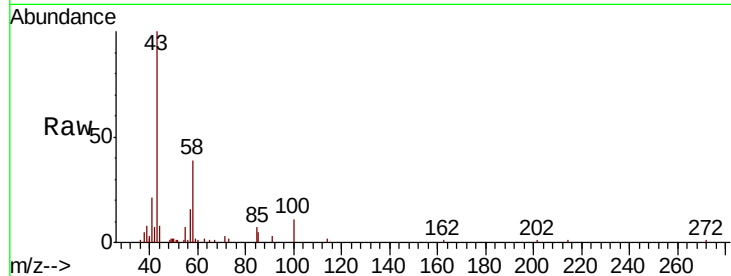
#51
 2-Hexanone
 Concen: 0.454 ppbv m
 RT: 10.16 min Scan# 2292
 Delta R.T. 0.04 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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	0.1	0.1	0.1#

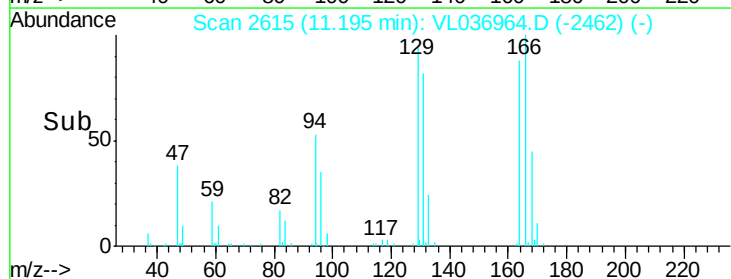
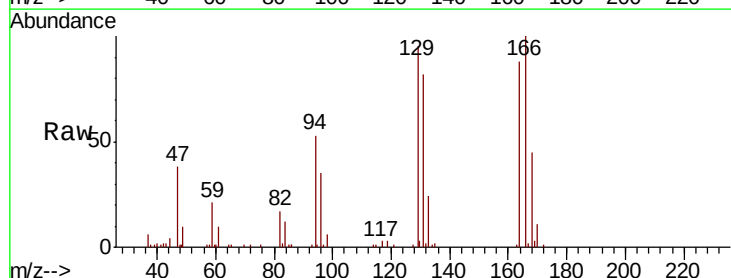
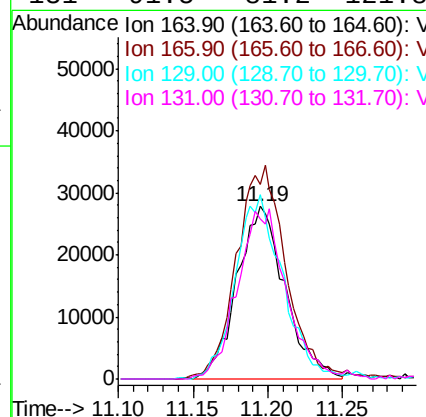
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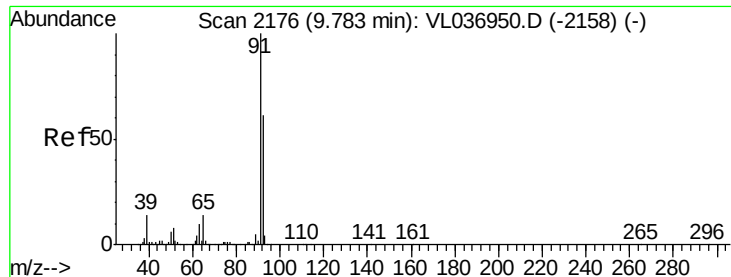
MMDadoda
 5/20/2021 5:55:02 PM



#52
 Tetrachloroethene
 Concen: 0.496 ppbv
 RT: 11.19 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.9	105.5	158.3
129	107.1	81.8	122.8
131	91.5	81.2	121.8





#53

Toluene

Concen: 0.472 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 176718

Ion Ratio Lower Upper

91 100

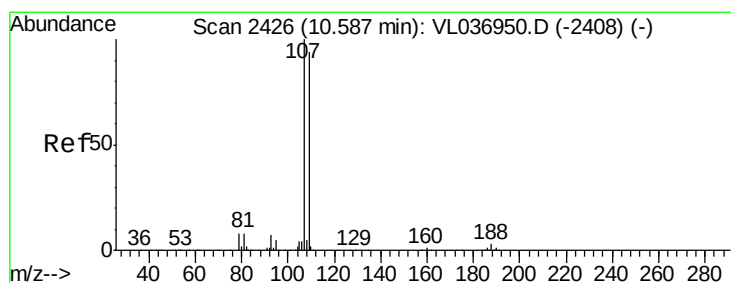
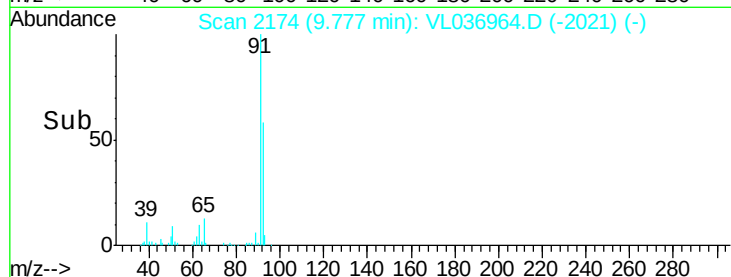
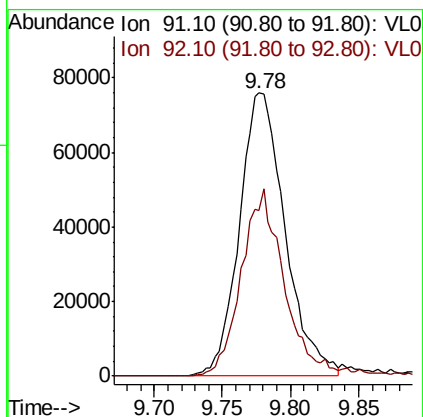
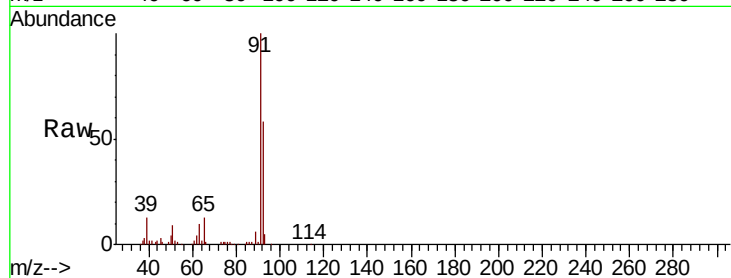
92 63.3 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 0.456 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036964.D

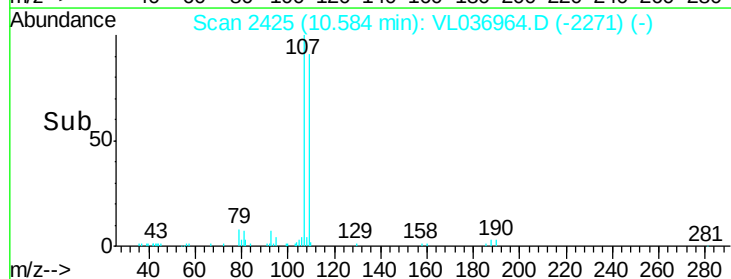
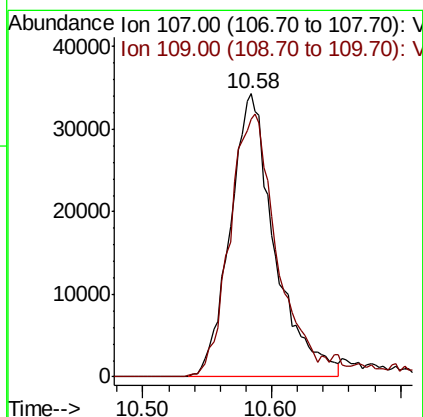
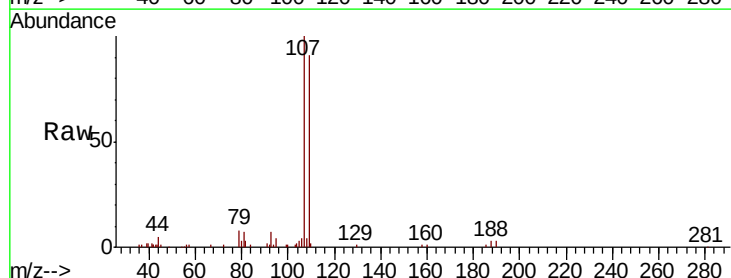
Acq: 18 May 2021 12:01

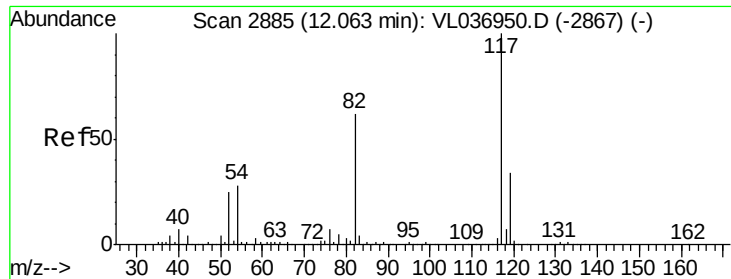
Tgt Ion: 107 Resp: 82198

Ion Ratio Lower Upper

107 100

109 90.6 75.0 112.4





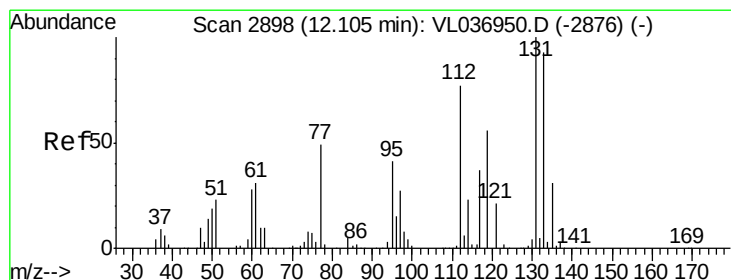
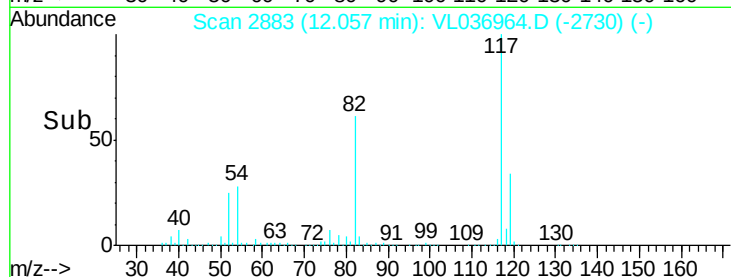
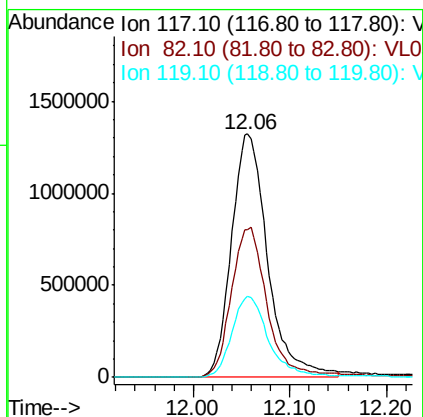
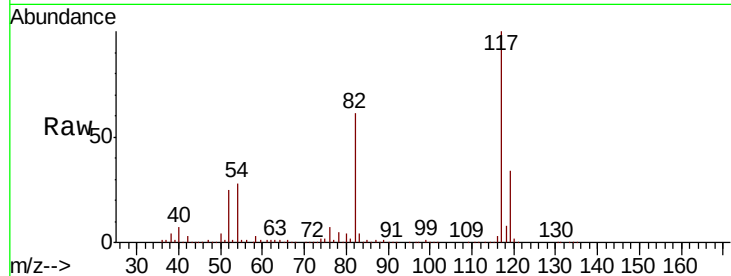
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion:117 Resp: 3444027
Ion Ratio Lower Upper
117 100
82 63.0 52.6 79.0
119 35.1 46.6 70.0#

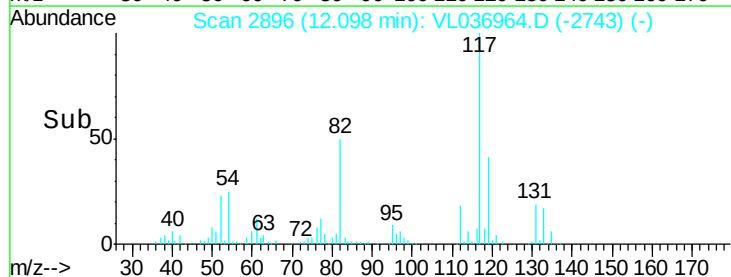
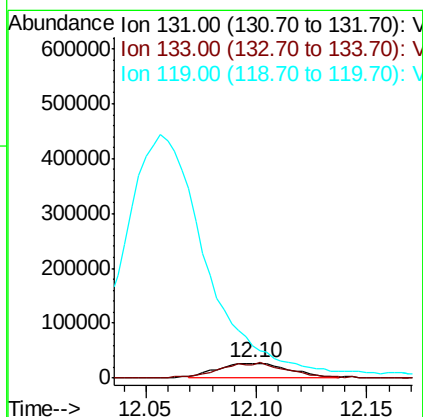
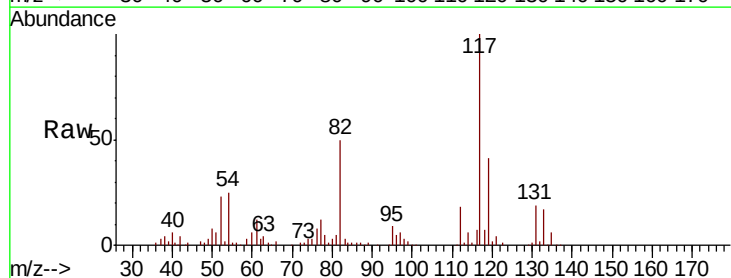
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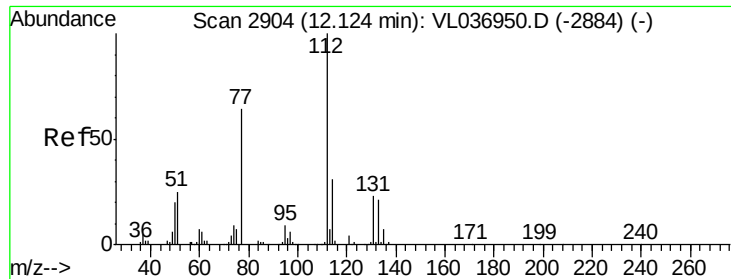
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.413 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion:131 Resp: 59834
Ion Ratio Lower Upper
131 100
133 105.4 76.9 115.3
119 0.0 120.2 180.4#





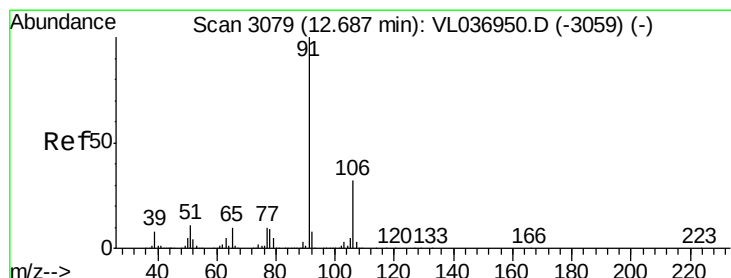
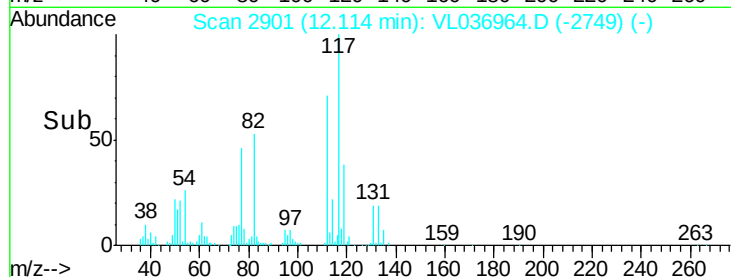
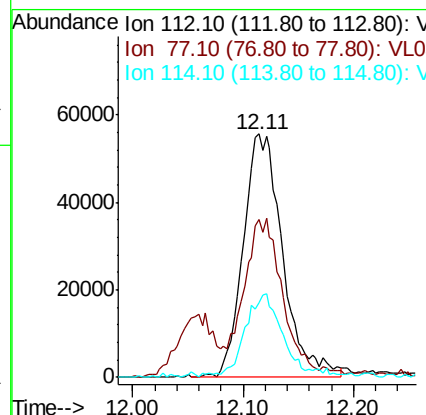
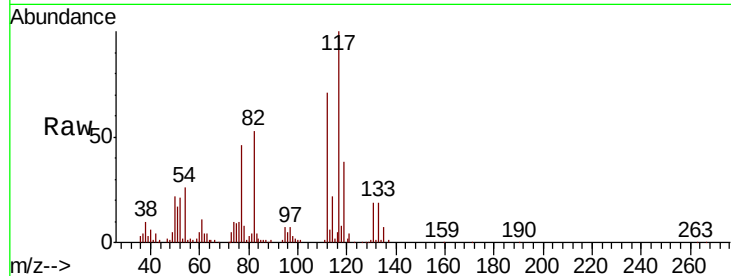
#57
Chlorobenzene
Concen: 0.516 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.9	51.0	76.6
114	30.9	28.3	34.5

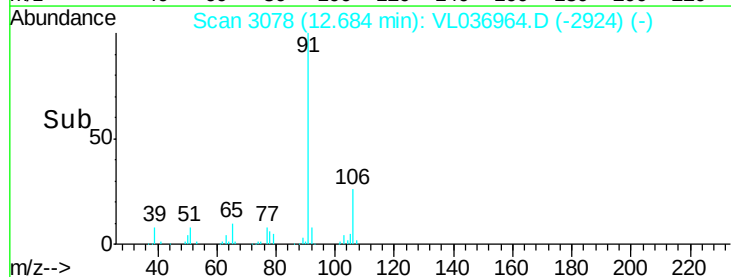
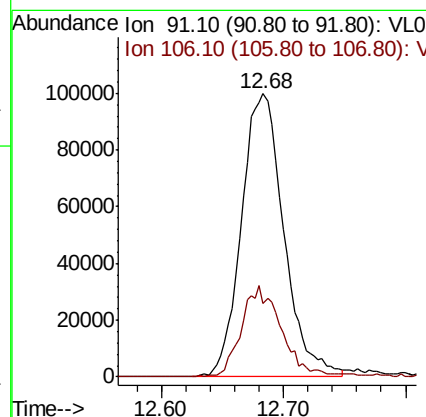
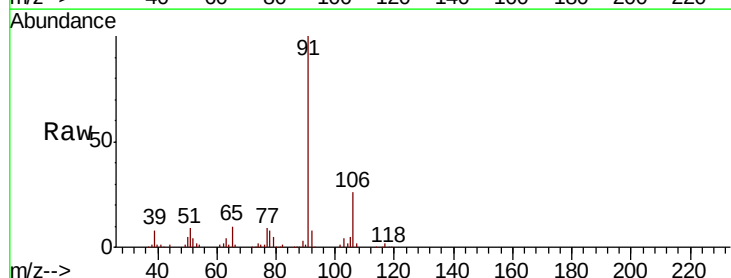
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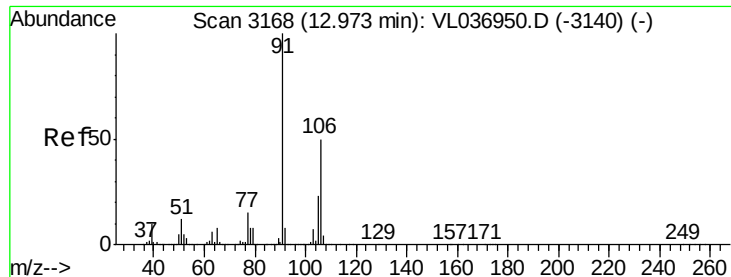
MMDadoda
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#58
Ethyl Benzene
Concen: 0.493 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.1	25.6	38.4





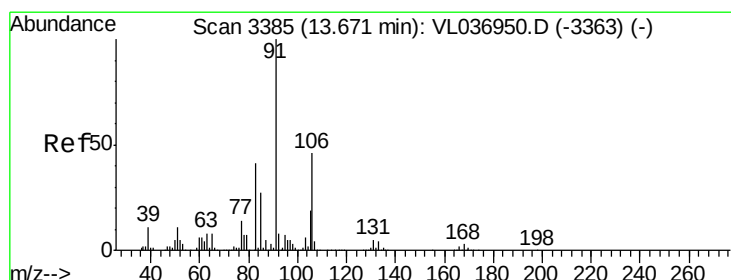
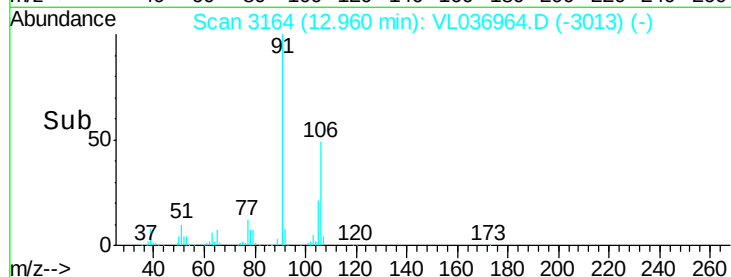
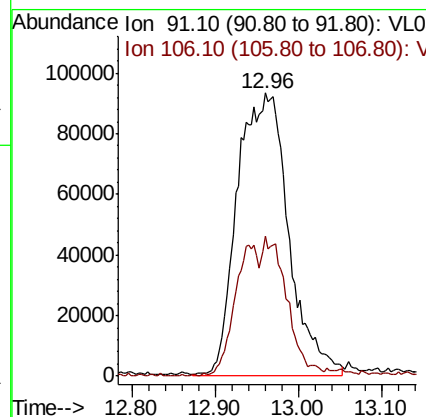
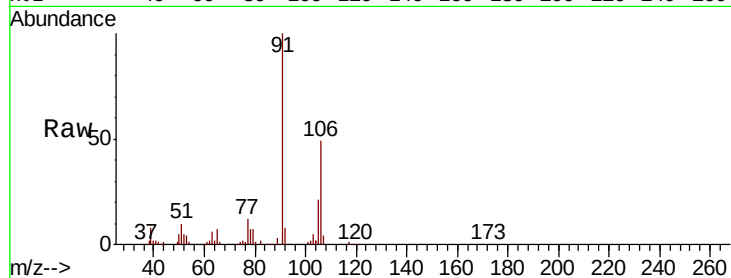
#59
m/p-Xylene
Concen: 0.996 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion: 91 Resp: 400051
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

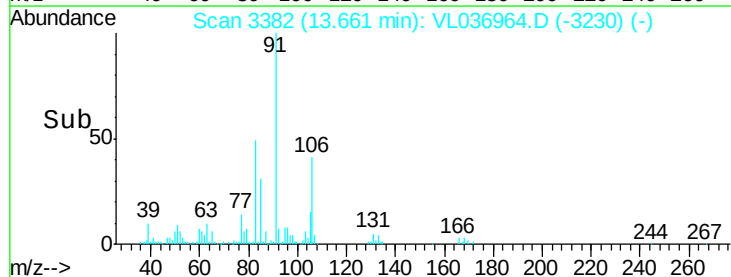
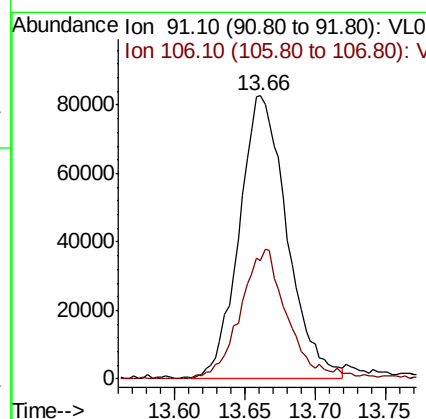
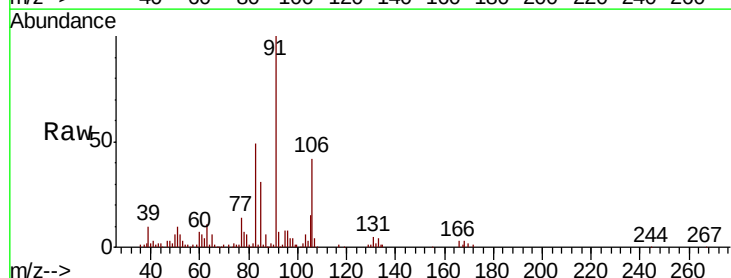
Manual Integrations
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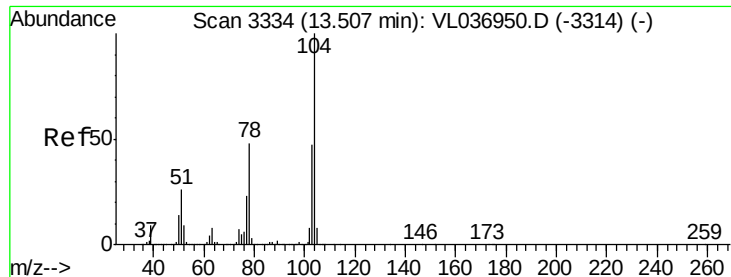
MMDadoda
5/20/2021 5:55:02 PM



#60
o-Xylene
Concen: 0.512 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 91 Resp: 196015
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





#61

Stvrene

Concen: 0.444 ppbv m

RT: 13.50 min Scan# 3331

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

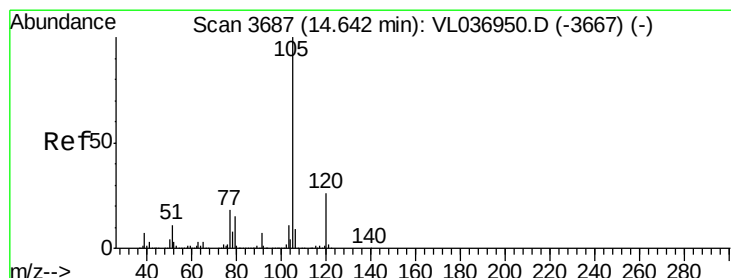
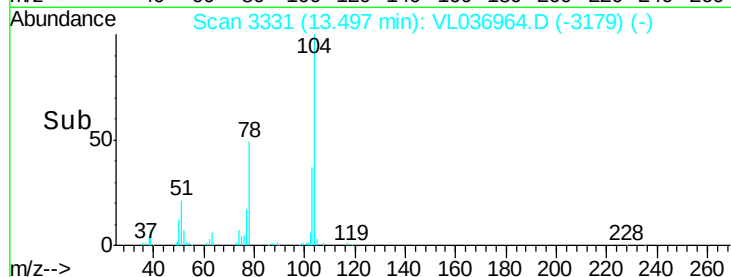
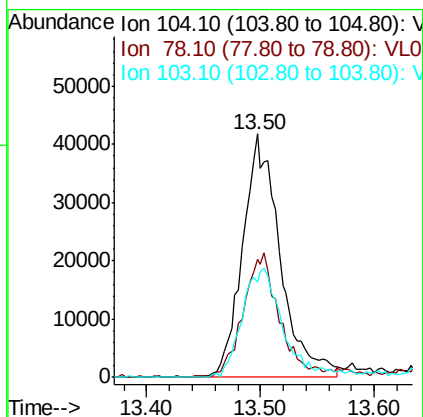
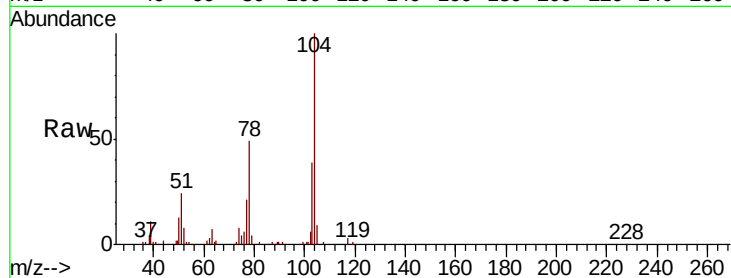
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	104	Resp:	95858
Ion Ratio	Lower	Upper	
104	100		
78	0.0	39.0	58.6#
103	0.0	38.0	57.0#

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#62

Isopropylbenzene

Concen: 0.499 ppbv

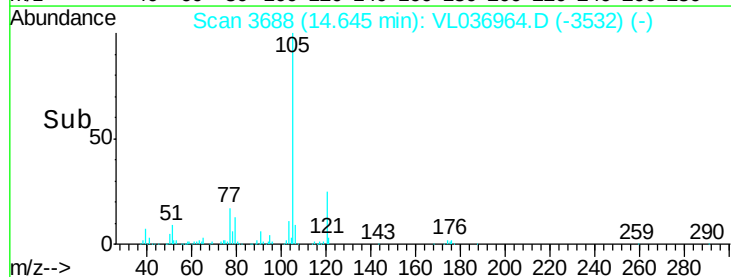
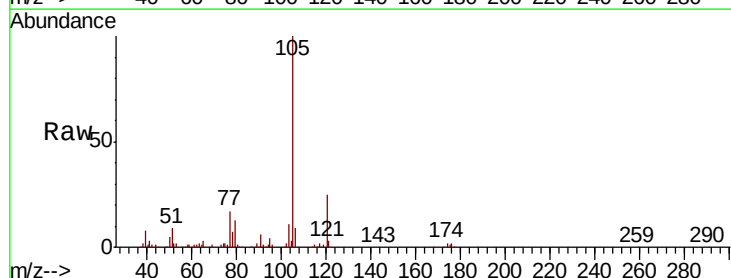
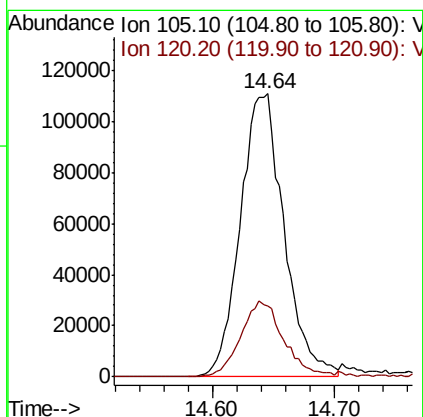
RT: 14.64 min Scan# 3688

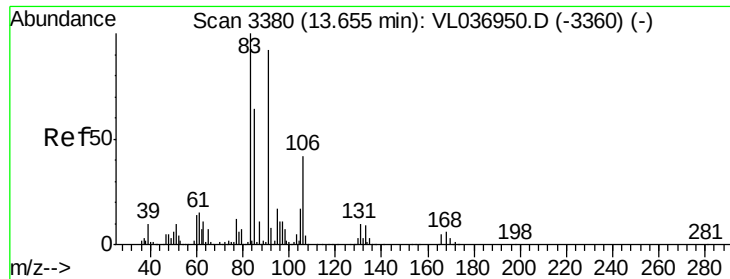
Delta R.T. 0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:	105	Resp:	275057
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.7	32.5





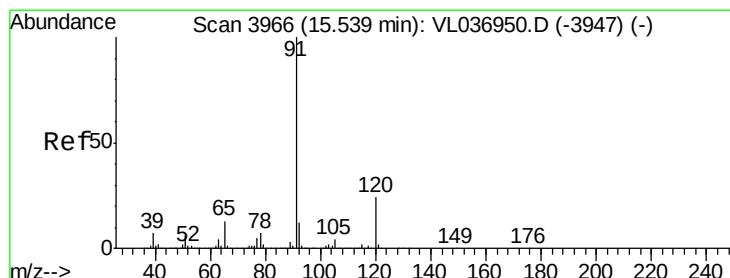
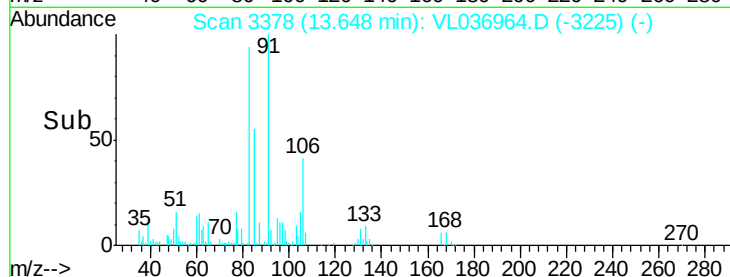
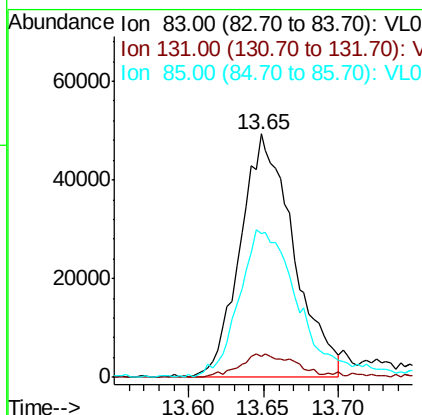
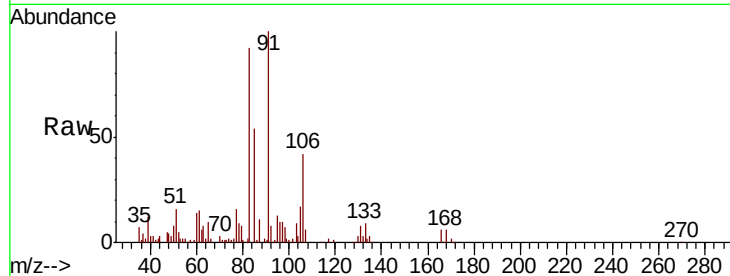
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.425 ppbv
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	15.0
85	69.6	32.9	98.6

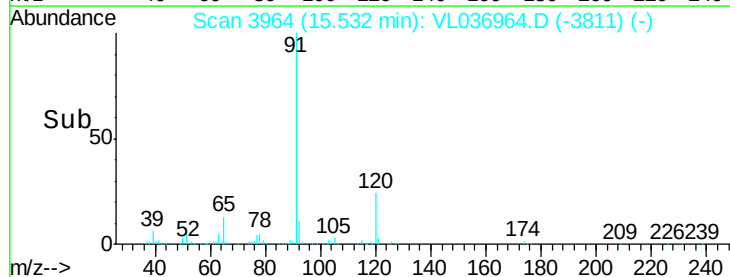
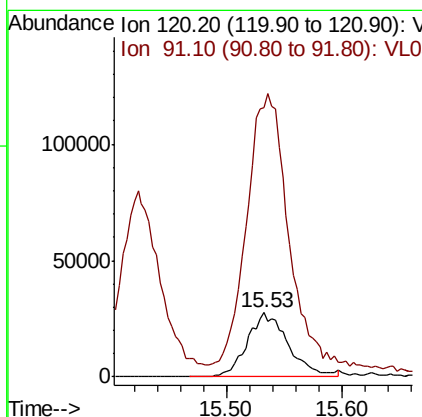
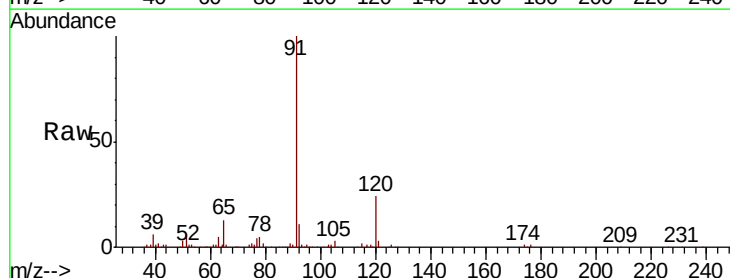
Manual Integrations
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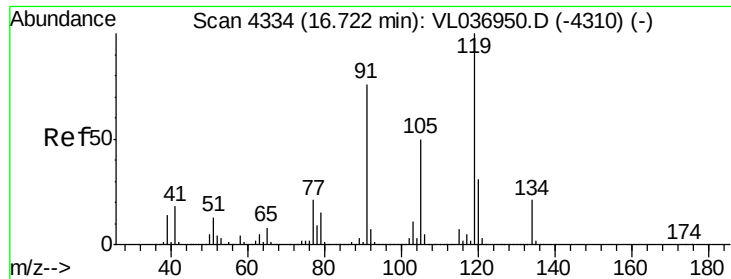
MMDadoda
 5/20/2021 5:55:02 PM



#64
 n-propylbenzene
 Concen: 0.480 ppbv m
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
120	100		
91	486.4	343.8	515.6





#65

tert-Butylbenzene

Concen: 0.515 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

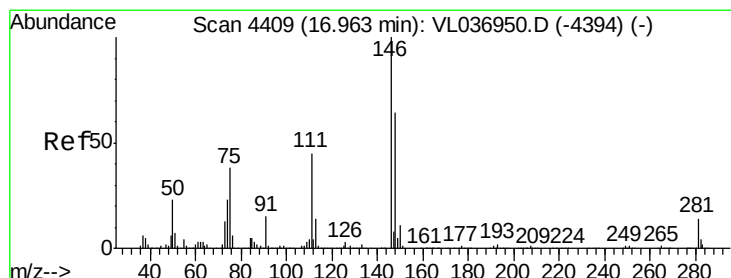
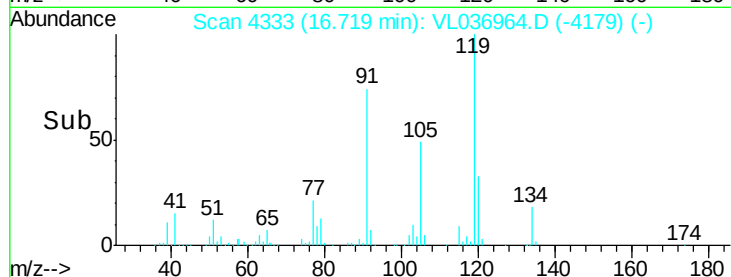
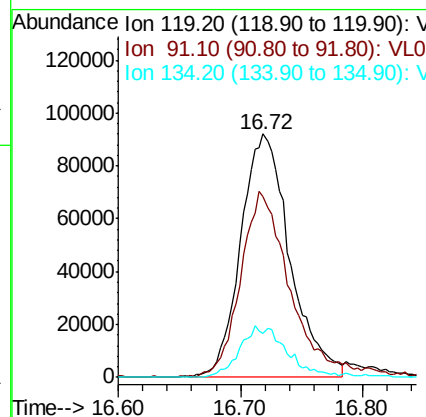
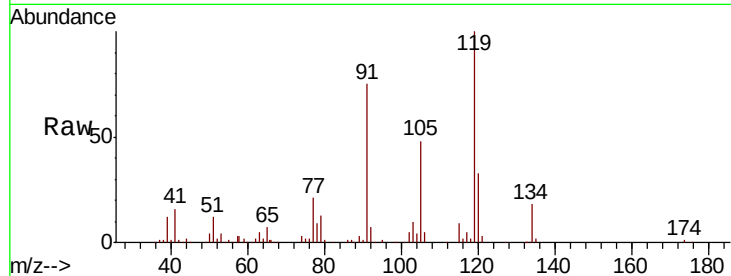
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:	119	Resp:	256146
Ion Ratio	Lower	Upper	
119	100		
91	78.7	61.9	92.9
134	20.8	16.2	24.4

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.314 ppbv m

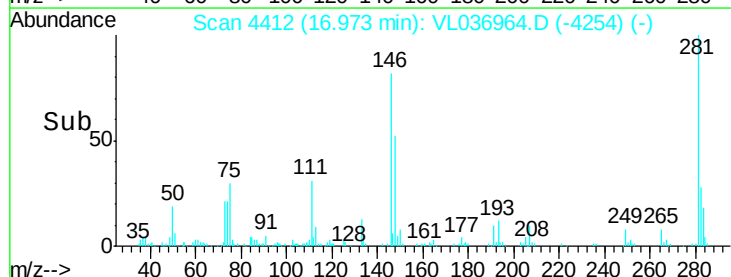
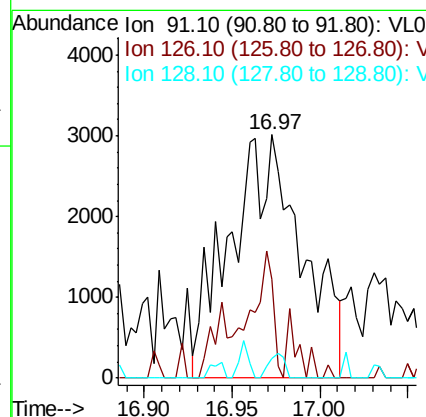
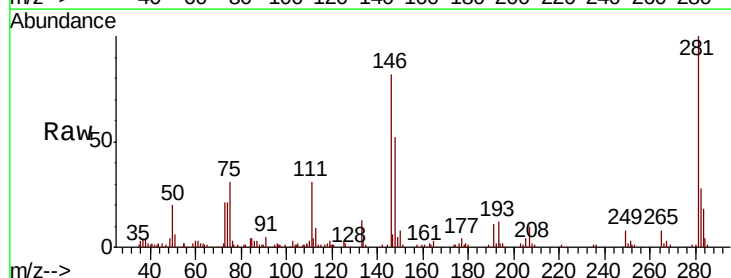
RT: 16.97 min Scan# 4412

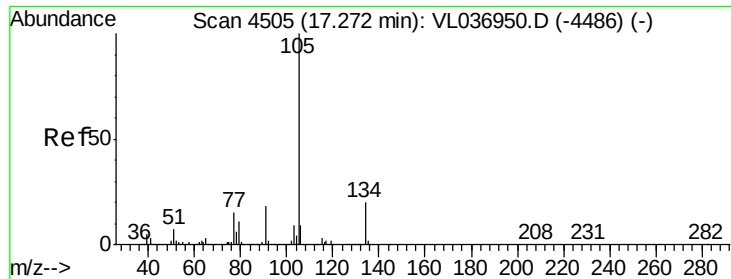
Delta R.T. 0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:	91	Resp:	8658
Ion Ratio	Lower	Upper	
91	100		
126	0.0	16.5	24.7#
128	0.4	5.5	8.3#





#67

sec-Butylbenzene

Concen: 0.493 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 105 Resp: 334002

Ion Ratio Lower Upper

105 100

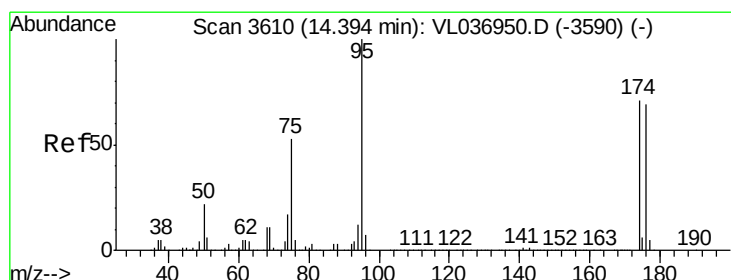
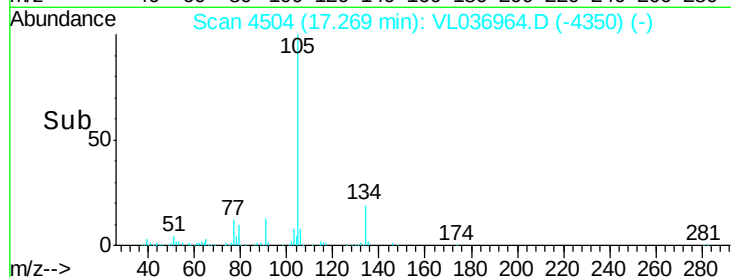
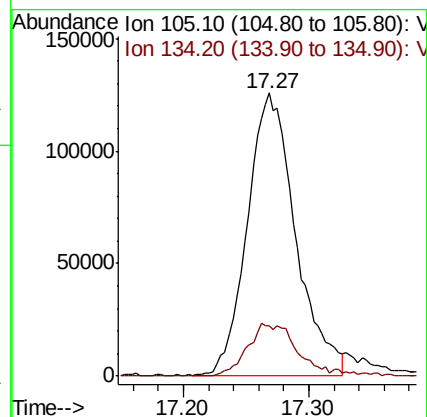
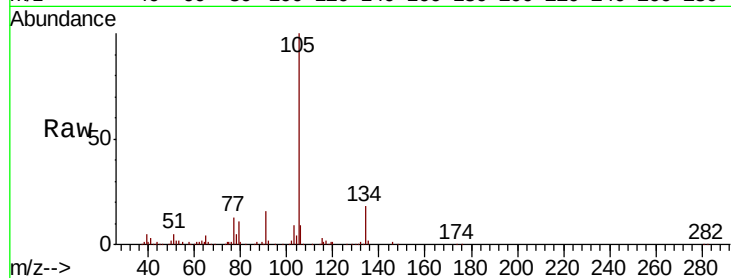
134 20.1 15.6 23.4

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.786 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

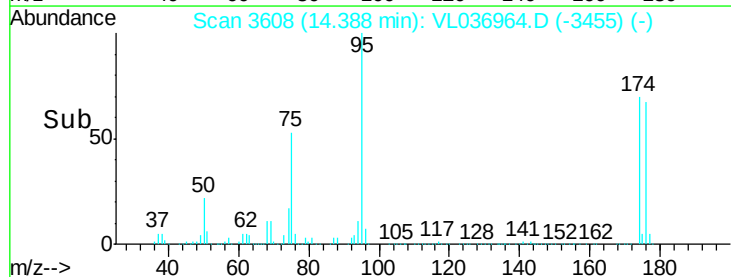
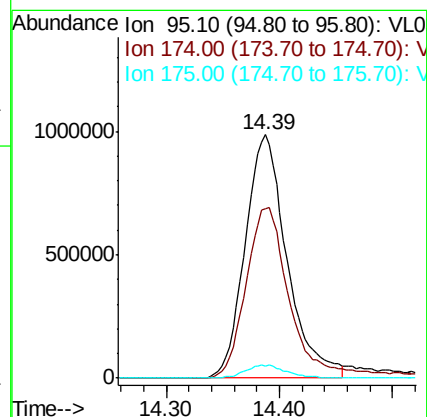
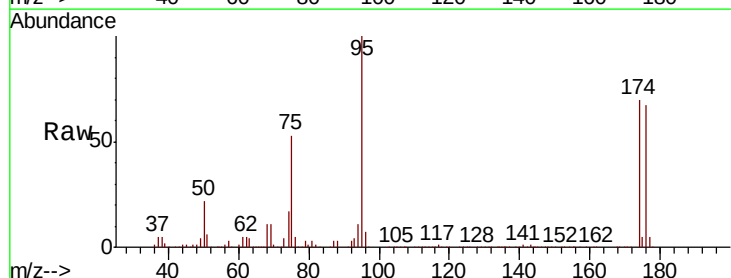
Tgt Ion: 95 Resp: 2531804

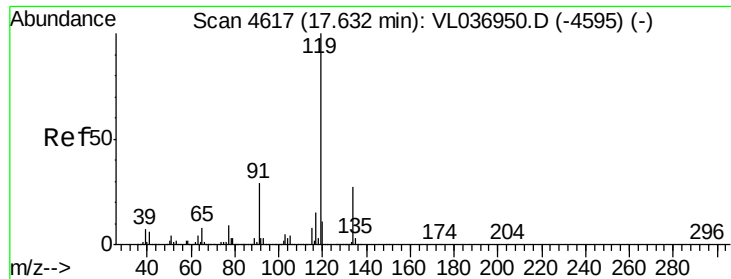
Ion Ratio Lower Upper

95 100

174 77.0 58.4 87.6

175 5.7 4.4 6.6





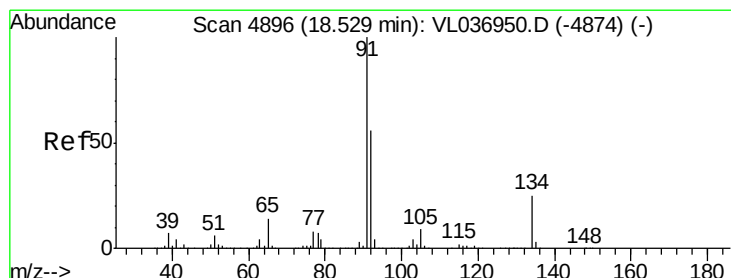
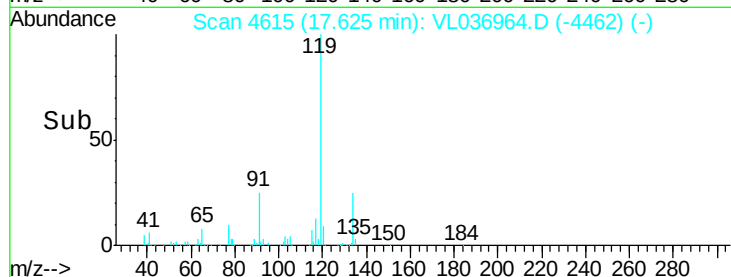
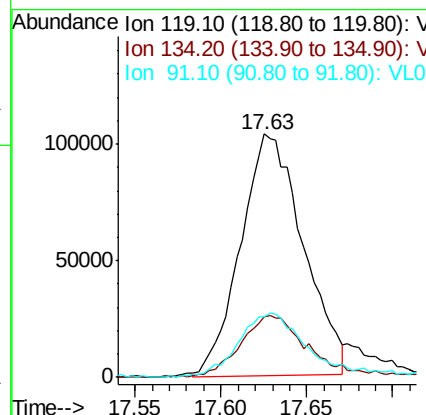
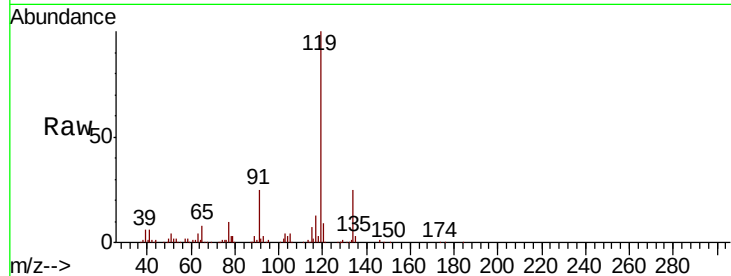
#69
 p-Isopropyltoluene
 Concen: 0.451 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.7	21.2	31.8
91	30.4	22.2	33.4

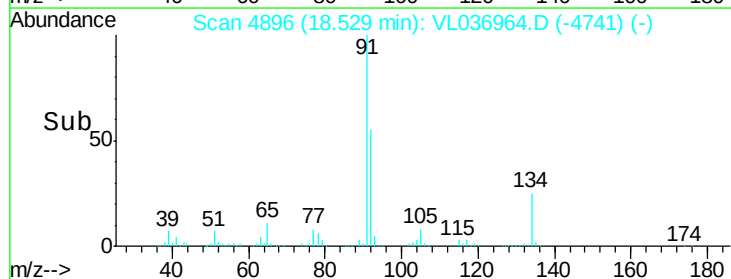
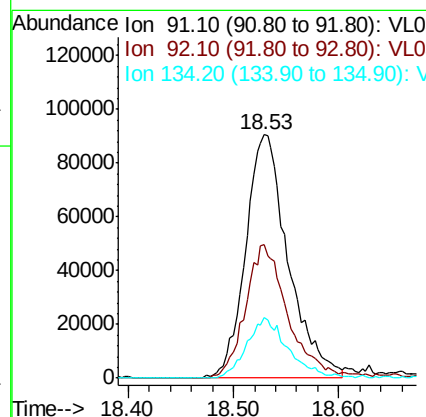
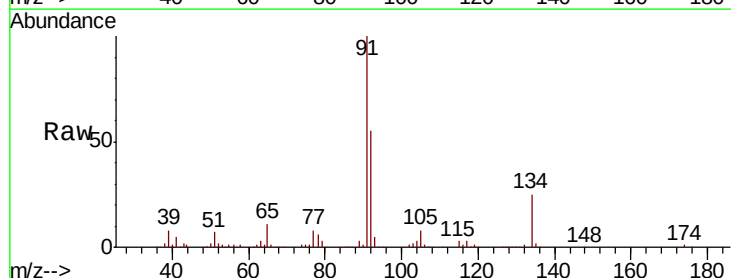
Manual Integrations
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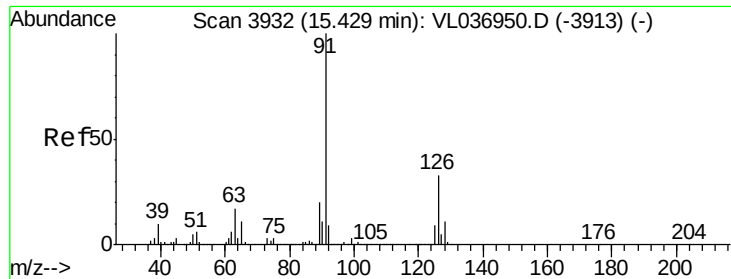
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#70
 n-Butylbenzene
 Concen: 0.460 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.6	66.8
134	24.1	20.2	30.2





#71

2-Chlorotoluene

Concen: 0.471 ppbv

RT: 15.42 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 187541

Ion Ratio Lower Upper

91 100

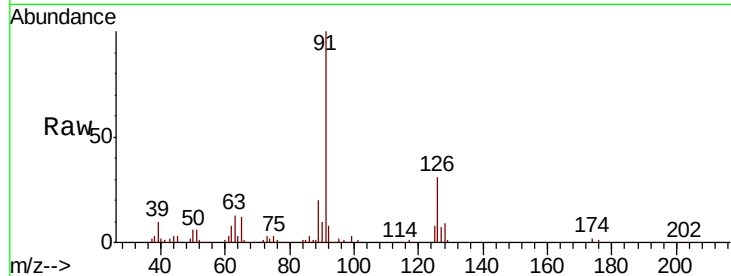
126 34.3 13.1 52.5

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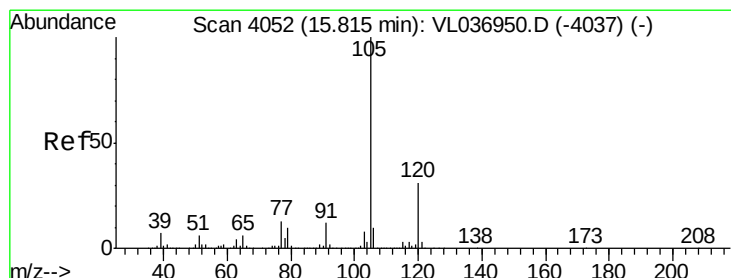
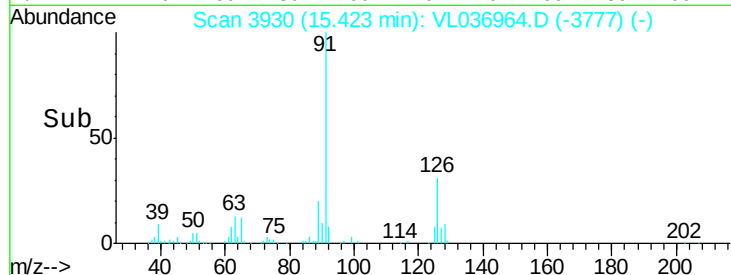
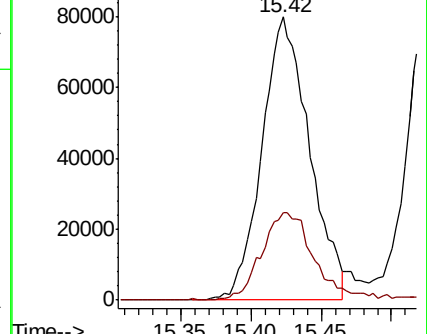
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.453 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion: 105 Resp: 205923

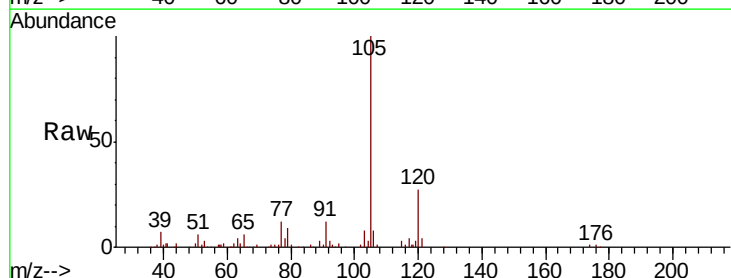
Ion Ratio Lower Upper

105 100

120 32.5 24.6 37.0

91 13.5 9.8 14.6

77 15.6 10.4 15.6

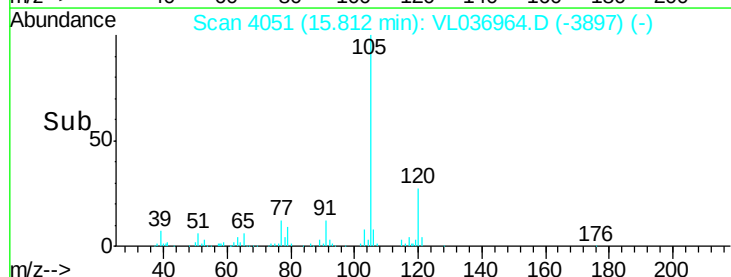
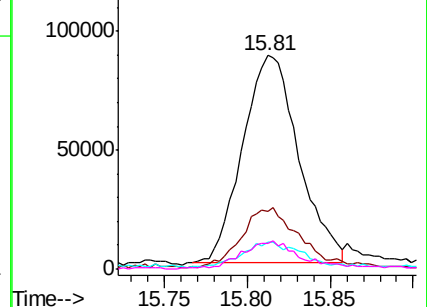


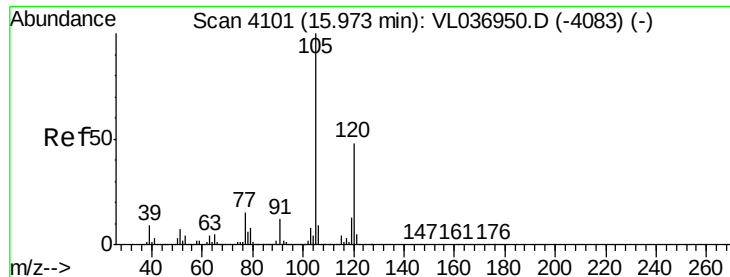
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.441 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 188436

Ion Ratio Lower Upper

105 100

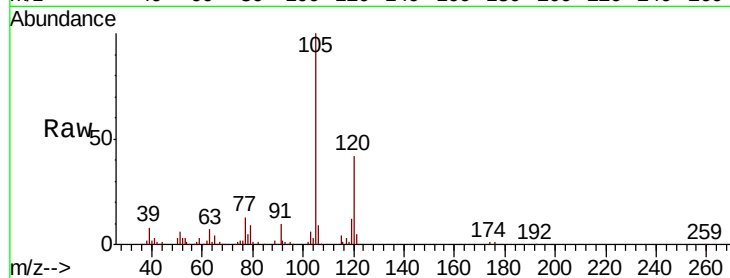
120 41.6 38.6 58.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

80000

60000

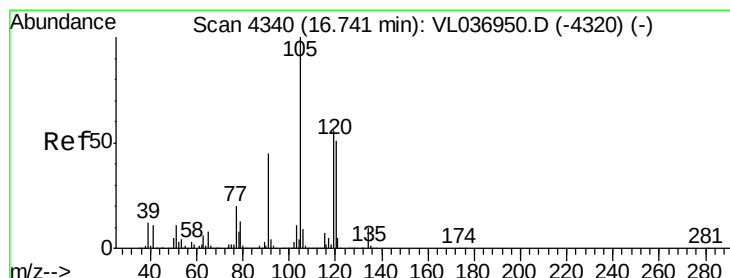
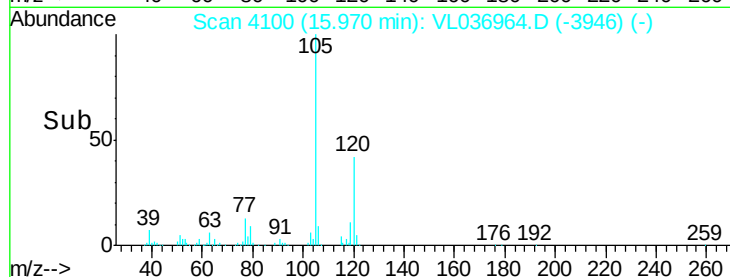
40000

20000

0

15.90 15.95 16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.486 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Tgt Ion:105 Resp: 214545

Ion Ratio Lower Upper

105 100

120 42.6 40.6 61.0

91 55.6 37.4 56.0

77 19.9 16.2 24.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

120000

100000

80000

60000

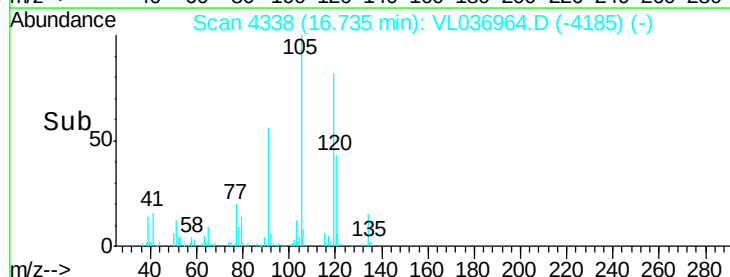
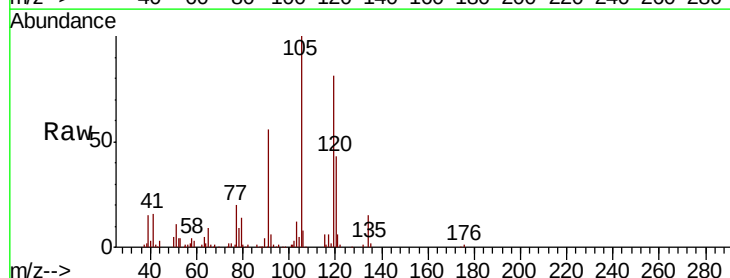
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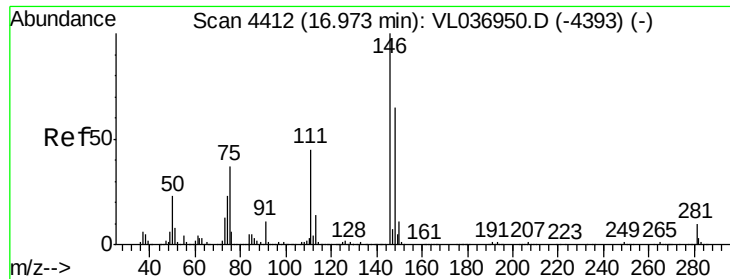
20000

0

16.70 16.73 16.80

Time-->





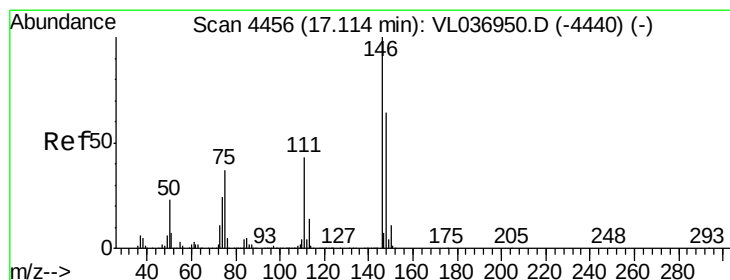
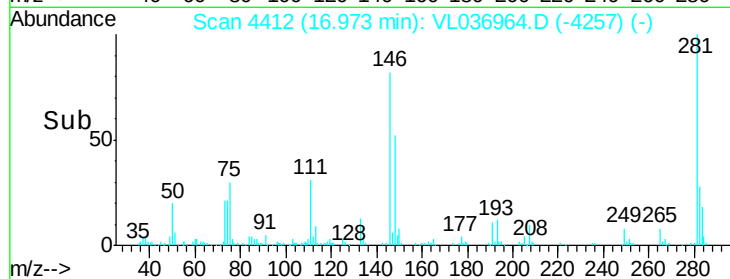
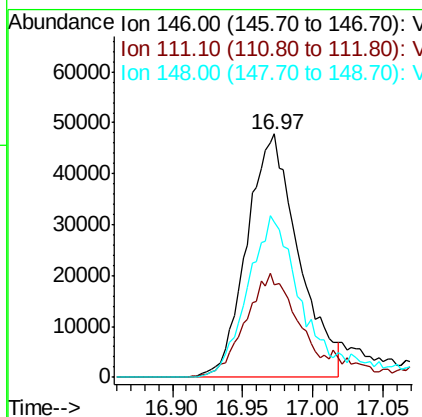
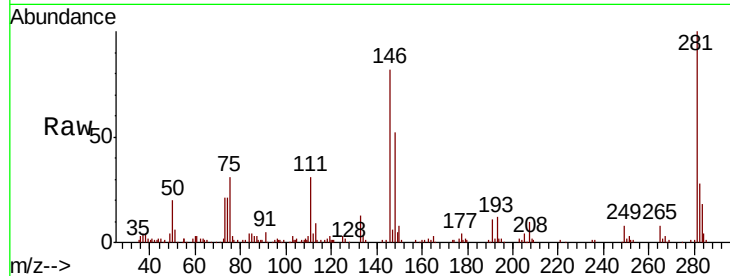
#75
 1,3-Dichlorobenzene
 Concen: 0.455 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	22.2	66.6
148	72.1	32.3	96.8

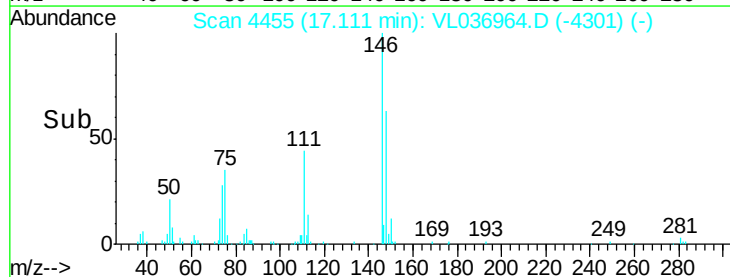
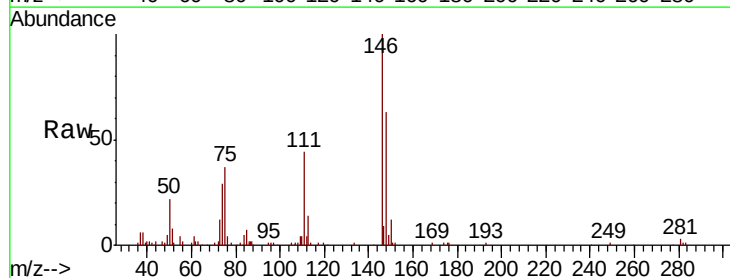
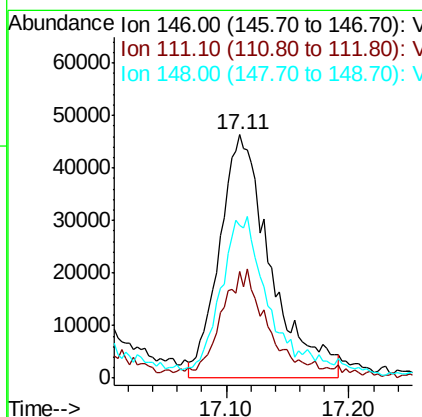
Manual Integrations
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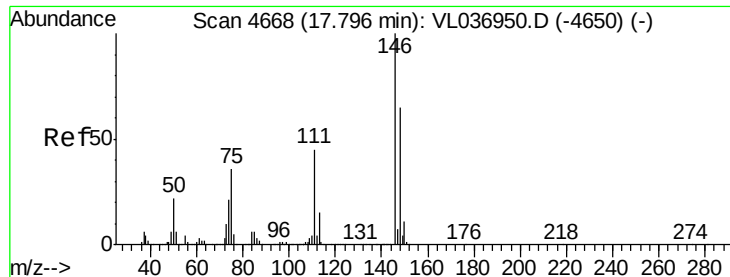
MMDadoda
 5/20/2021 5:55:02 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.496 ppbv m
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.6	67.7
148	70.2	33.5	100.5





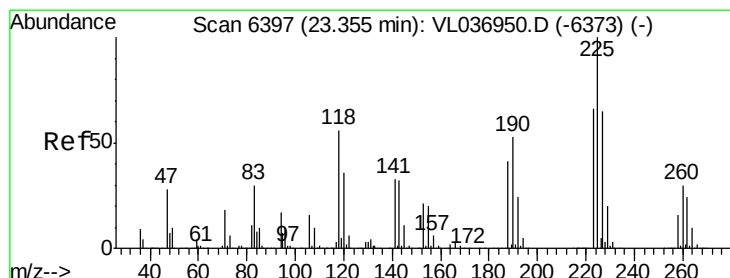
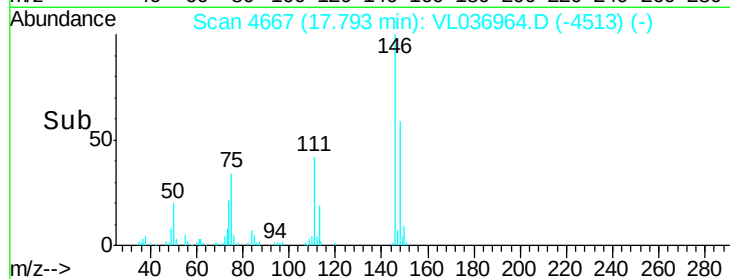
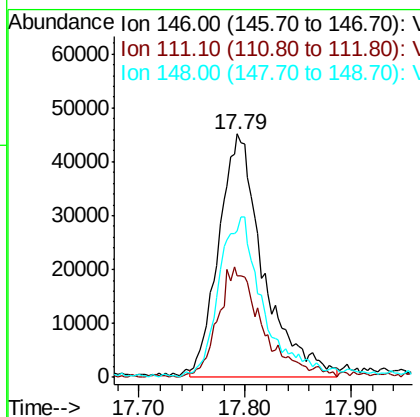
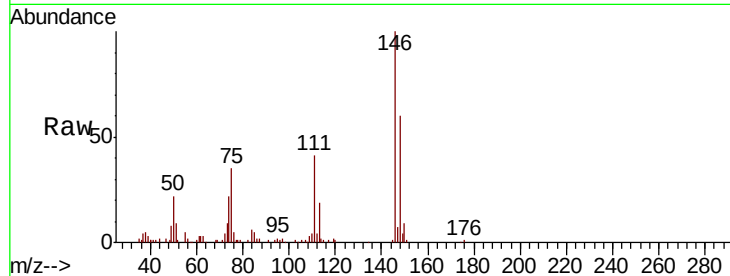
#77
 1,2-Dichlorobenzene
 Concen: 0.490 ppbv m
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.1	69.2
148	64.6	32.5	97.4

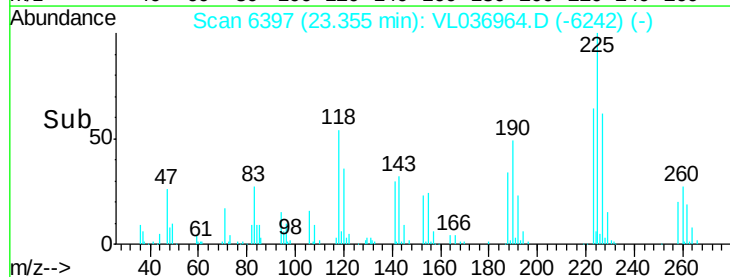
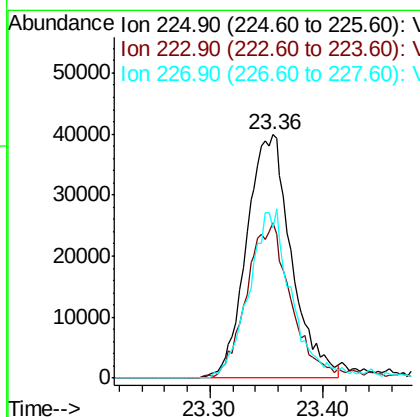
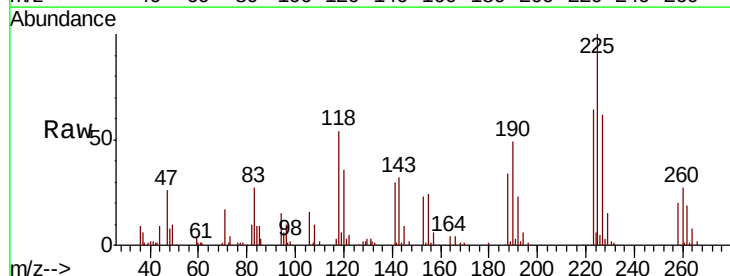
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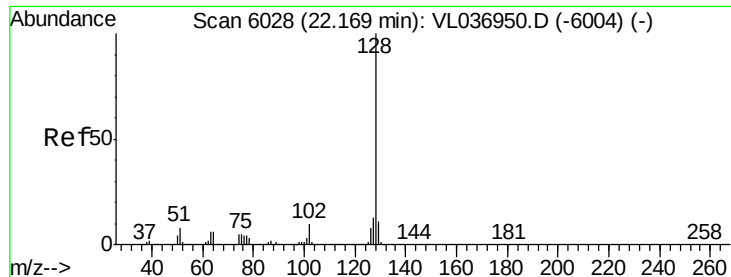
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.504 ppbv m
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.9	77.9#
227	0.0	51.8	77.6#





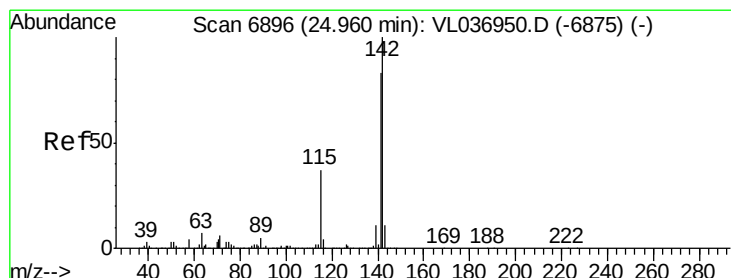
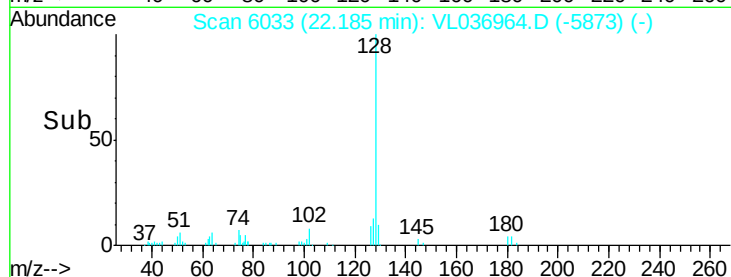
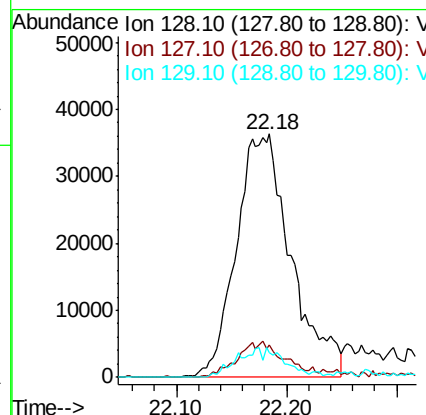
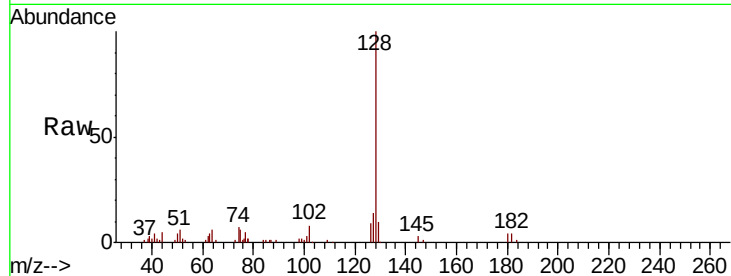
#79
Naphthalene
Concen: 0.361 ppbv m
RT: 22.18 min Scan# 6033
Delta R.T. 0.02 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.1	9.0	13.6

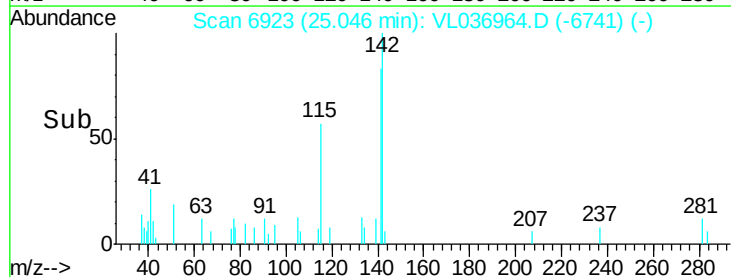
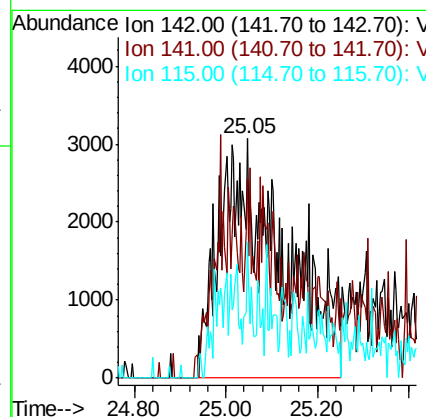
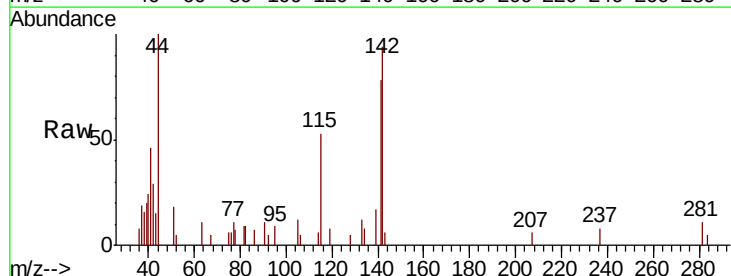
Manual Integrations
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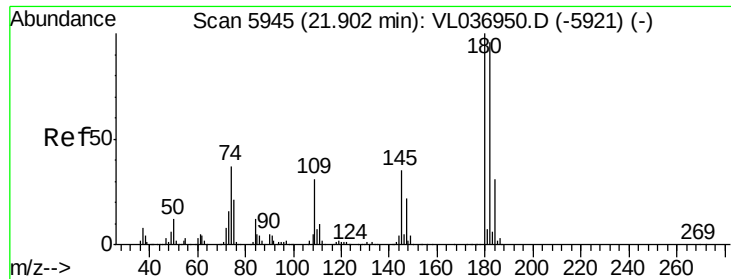
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#80
Naphthalene, 2-methyl-
Concen: 0.392 ppbv m
RT: 25.05 min Scan# 6923
Delta R.T. 0.09 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	15.3	69.3	103.9#
115	10.6	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.427 ppbv m
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90090		
182	89.1		81.7	122.5
184	0.0		24.9	37.3#

Manual Integrations
 APPROVED

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