

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034951.D
 Acq On : 7 May 2020 2:03
 Operator : SY/AP
 Sample : L2182-14 0.5PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:31:44 PM

Quant Time: May 07 07:51:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1162027	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2661756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2461870	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2049701	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	98032	0.594	ppbv	94
3) Chlorodifluoromethane	2.95	51	75786	0.571	ppbv	95
4) Chloromethane	3.11	50	43674	0.574	ppbv	94
5) Vinyl Chloride	3.23	62	39133	0.528	ppbv	94
6) Bromomethane	3.45	94	26863	0.607	ppbv	98
7) Chloroethane	3.53	64	15595m	0.585	ppbv	
8) Dichlorotetrafluoroethane	3.15	85	102137	0.598	ppbv	98
9) Propene	2.98	41	25426	0.442	ppbv	96
10) Heptane	8.14	43	63259	0.439	ppbv	98
11) Trichlorofluoromethane	3.93	101	99832	0.587	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	63881	0.528	ppbv	98
13) Ethanol	3.59	45	12055m	0.635	ppbv	
14) Bromoethene	3.72	108	25361	0.507	ppbv	93
15) Acetone	3.84	43	96440	0.628	ppbv	95
16) 1,3-Butadiene	3.30	39	29822m	0.451	ppbv	
17) tert-Butyl alcohol	4.29	59	67230m	0.492	ppbv	
18) 1,1-Dichloroethene	4.28	96	30153	0.574	ppbv	96
19) Isopropyl Alcohol	3.95	45	56365	0.550	ppbv #	91
20) Methylene Chloride	4.33	84	33359	0.656	ppbv #	74
21) Allyl Chloride	4.40	41	43197	0.498	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	26684	0.513	ppbv	90
23) Vinyl Acetate	5.07	43	85109	0.437	ppbv #	93
24) 1,1-Dichloroethane	5.01	63	80998m	0.540	ppbv	
25) Ethyl Acetate	5.68	43	135284	0.524	ppbv #	98
26) Hexane	5.68	57	55818m	0.499	ppbv	
27) Carbon Disulfide	4.54	76	65756	0.499	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	74382	0.437	ppbv	98
29) Chloroform	5.75	83	100404	0.549	ppbv	86
30) Cyclohexane	7.15	84	31456m	0.364	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	48188m	0.441	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	90125	0.545	ppbv	99
34) 2-Butanone	5.25	43	76523	0.463	ppbv	100
35) Carbon Tetrachloride	7.03	117	90010	0.536	ppbv	95
36) Benzene	6.90	78	94226	0.429	ppbv	92
37) 1,2-Dichloroethane	6.31	62	73449m	0.543	ppbv	
38) Trichloroethene	7.85	130	36223	0.426	ppbv	89
39) 1,2-Dichloropropane	7.63	63	43338	0.493	ppbv	94
40) 1,4-Dioxane	7.88	88	14129m	0.395	ppbv	
41) Tetrahydrofuran	6.07	42	33340m	0.383	ppbv	
42) Bromodichloromethane	7.81	83	94710	0.519	ppbv	86
43) Methyl Methacrylate	8.03	69	37723m	0.407	ppbv	

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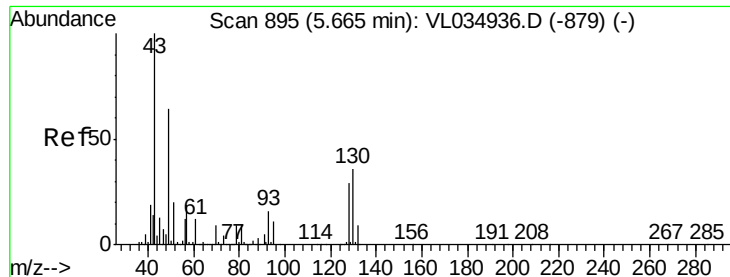
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	180081	0.462	ppbv	93
45) t-1,3-Dichloropropene	9.31	75	31859m	0.341	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	45226m	0.394	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	46543m	0.501	ppbv	
48) Dibromochloromethane	10.34	129	68061	0.477	ppbv	99
49) Bromoform	13.08	173	55660m	0.453	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	100003	0.424	ppbv	93
51) 2-Hexanone	10.19	43	69234m	0.375	ppbv	
52) Tetrachloroethene	11.26	164	37839m	0.485	ppbv	
53) Toluene	9.83	91	82524	0.355	ppbv	97
54) 1,2-Dibromoethane	10.64	107	64511m	0.473	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.17	131	63715m	0.574	ppbv	
57) Chlorobenzene	12.19	112	109863m	0.563	ppbv	
58) Ethyl Benzene	12.75	91	115496	0.379	ppbv	92
59) m/p-Xylene	13.04	91	243669m	0.910	ppbv	
60) o-Xylene	13.74	91	118668	0.449	ppbv	98
61) Styrene	13.57	104	56036m	0.335	ppbv	
62) Isopropylbenzene	14.72	105	188291	0.477	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	115325m	0.554	ppbv	
64) n-propylbenzene	15.61	120	46444m	0.459	ppbv	
65) tert-Butylbenzene	16.80	119	148480m	0.434	ppbv	
66) Benzyl Chloride	17.04	91	47650m	0.410	ppbv	
67) sec-Butylbenzene	17.34	105	235112	0.481	ppbv	96
69) p-Isopropyltoluene	17.71	119	169603	0.429	ppbv	96
70) n-Butylbenzene	18.60	91	193546m	0.460	ppbv	
71) 2-Chlorotoluene	15.50	91	119002	0.400	ppbv	100
72) 4-Ethyltoluene	15.89	105	125773m	0.427	ppbv	
73) 1,3,5-Trimethylbenzene	16.04	105	124959m	0.435	ppbv	
74) 1,2,4-Trimethylbenzene	16.82	105	153542	0.490	ppbv	89
75) 1,3-Dichlorobenzene	17.05	146	106749m	0.580	ppbv	
76) 1,4-Dichlorobenzene	17.19	146	94782m	0.542	ppbv	
77) 1,2-Dichlorobenzene	17.88	146	87019	0.502	ppbv	93
78) Hexachloro-1,3-Butadiene	23.44	225	72237m	0.489	ppbv	
79) Naphthalene	22.27	128	74349m	0.305	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	7559	0.126	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.01	180	60774m	0.411	ppbv	

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



#1

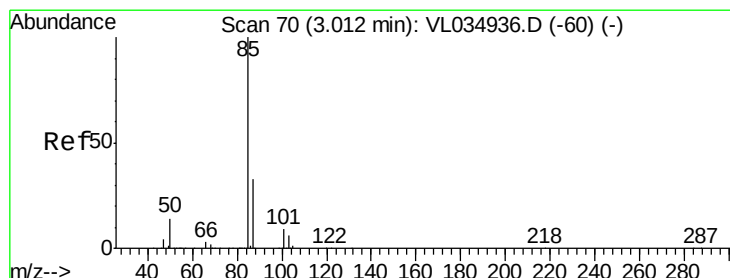
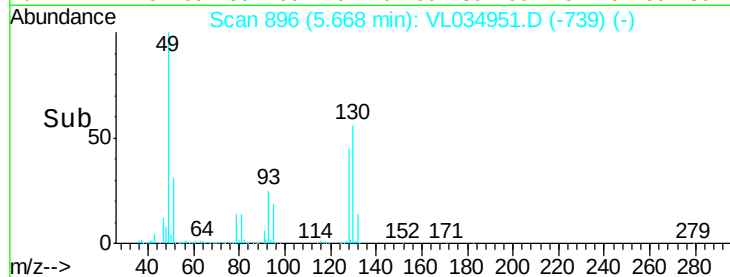
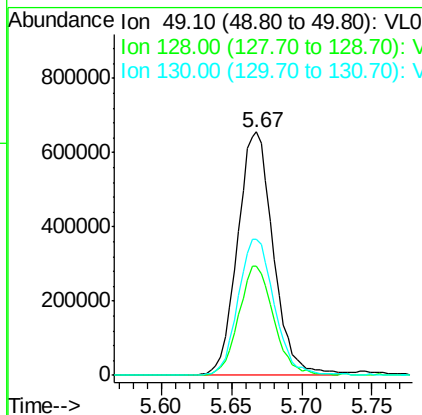
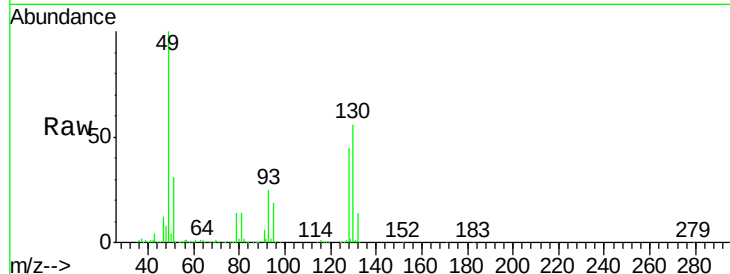
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion: 49 Resp: 1162027
 Ion Ratio Lower Upper
 49 100
 128 44.9 22.1 66.5
 130 57.1 29.1 87.3

Manual Integrations
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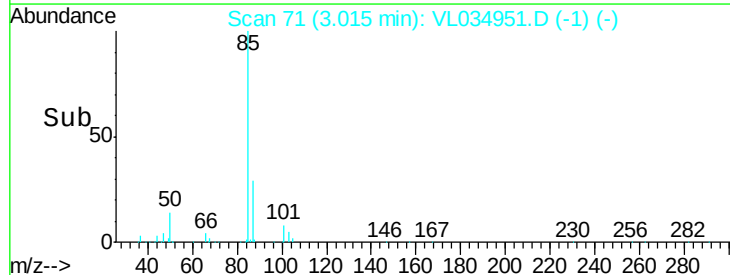
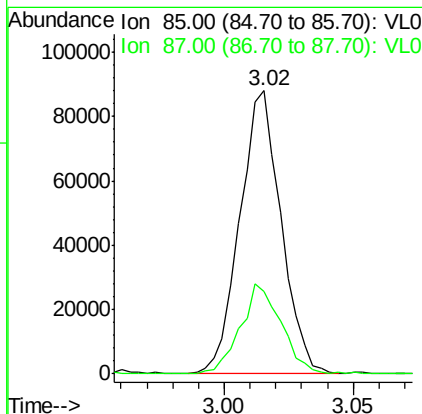
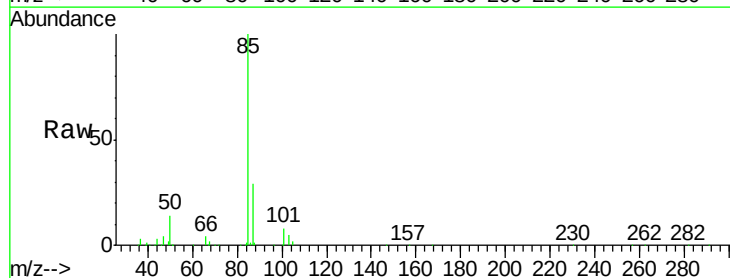
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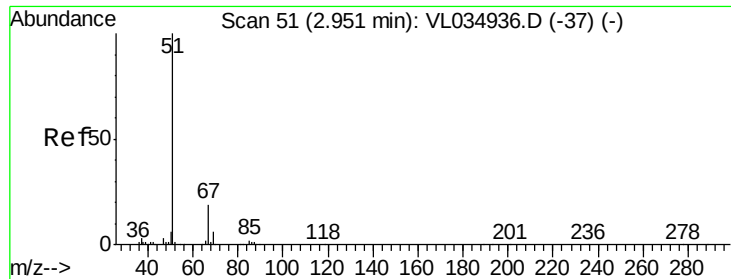


#2

Dichlorodifluoromethane
 Concen: 0.594 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion: 85 Resp: 98032
 Ion Ratio Lower Upper
 85 100
 87 29.1 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.571 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 51 Resp: 75786

Ion Ratio Lower Upper

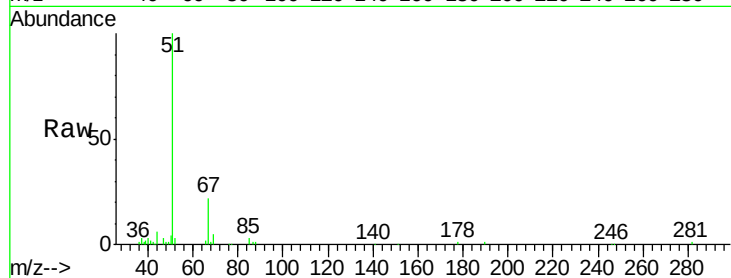
51 100

67 21.0 15.0 22.6

Manual Integrations
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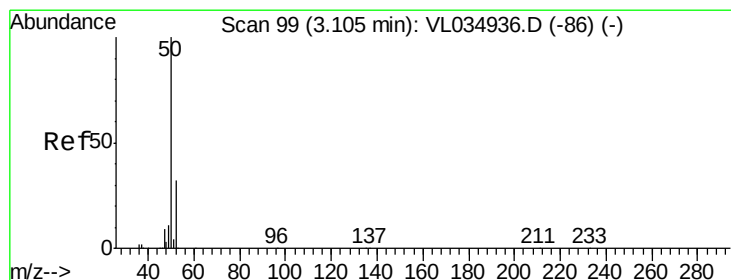
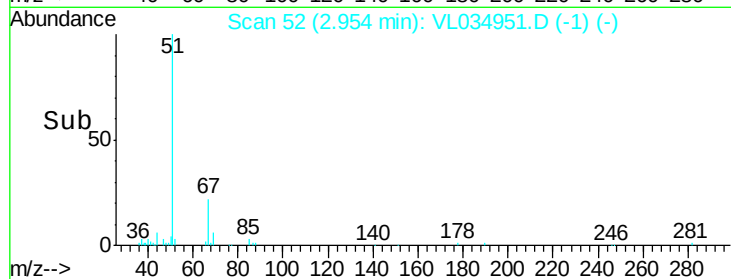
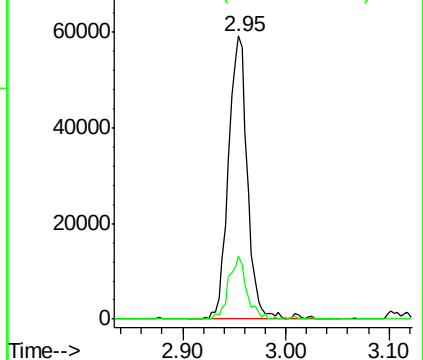
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.574 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034951.D

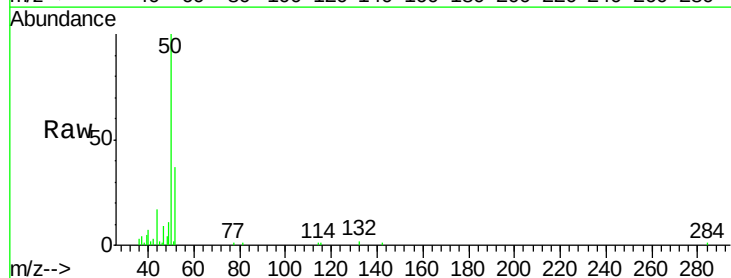
Acq: 7 May 2020 2:03

Tgt Ion: 50 Resp: 43674

Ion Ratio Lower Upper

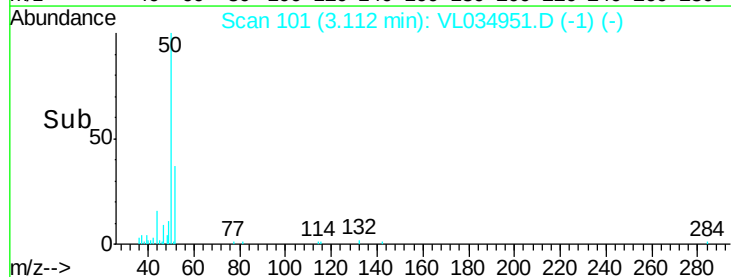
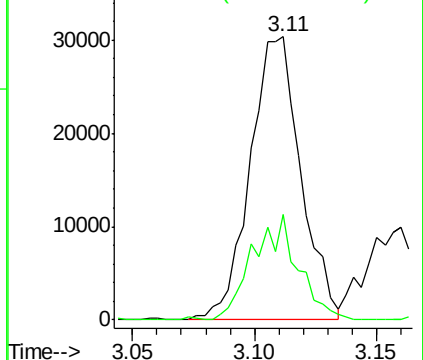
50 100

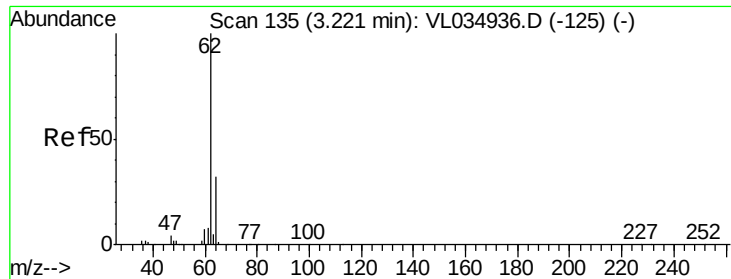
52 35.3 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.528 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 62 Resp: 39133

Ion Ratio Lower Upper

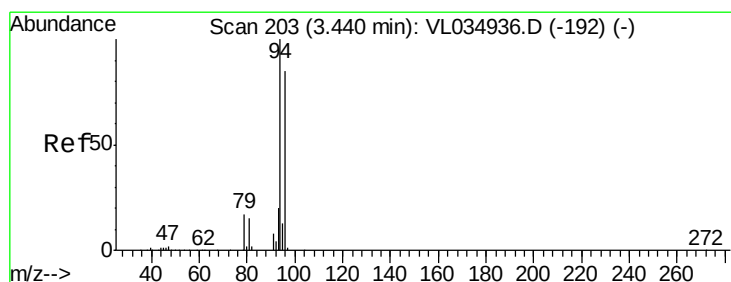
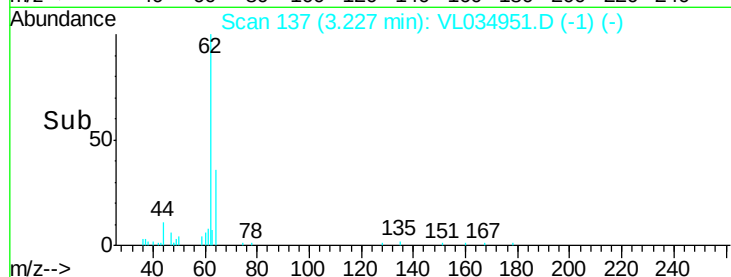
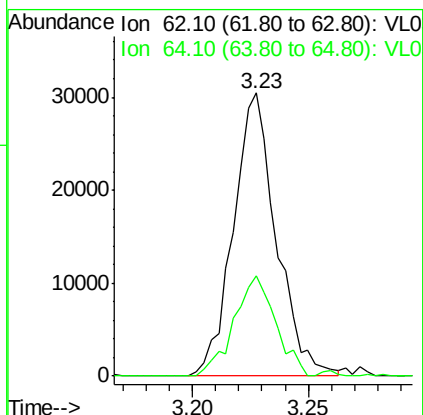
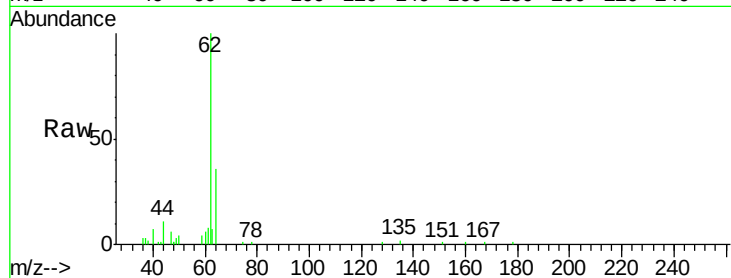
62 100

64 35.7 25.7 38.5

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#6

Bromomethane

Concen: 0.607 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL034951.D

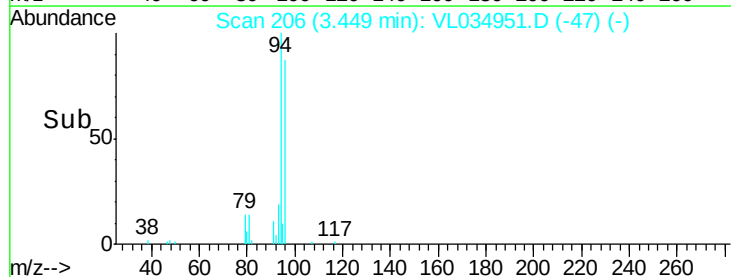
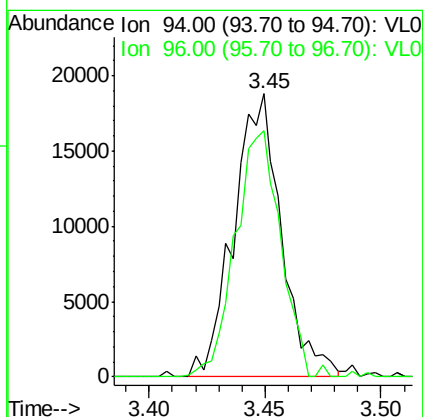
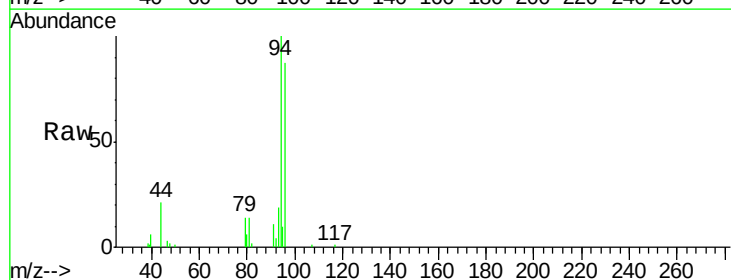
Acq: 7 May 2020 2:03

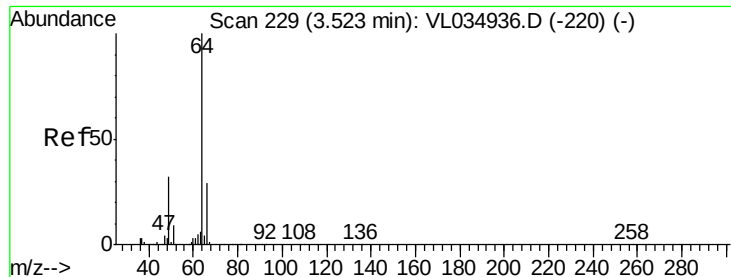
Tgt Ion: 94 Resp: 26863

Ion Ratio Lower Upper

94 100

96 87.1 67.9 101.9





#7

Chloroethane

Concen: 0.585 ppbv m

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 64 Resp: 1595

Ion Ratio Lower Upper

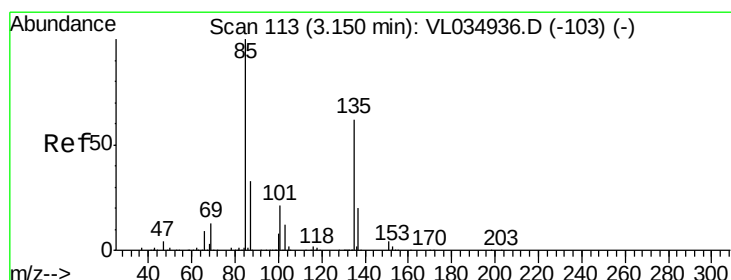
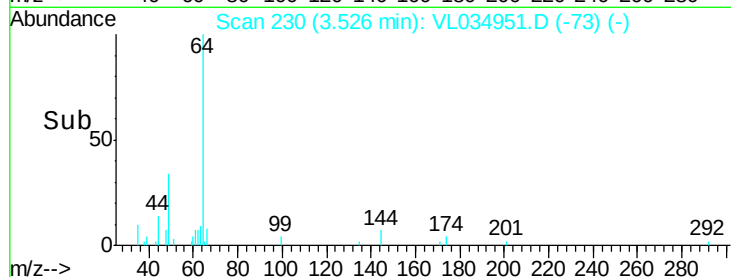
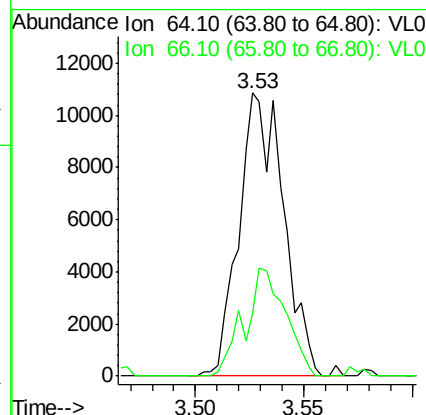
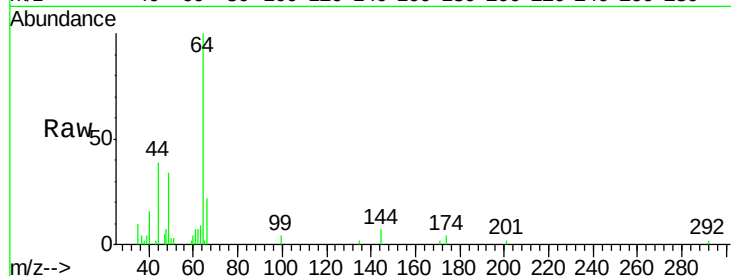
64 100

66 22.2 23.2 34.8#

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 0.598 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034951.D

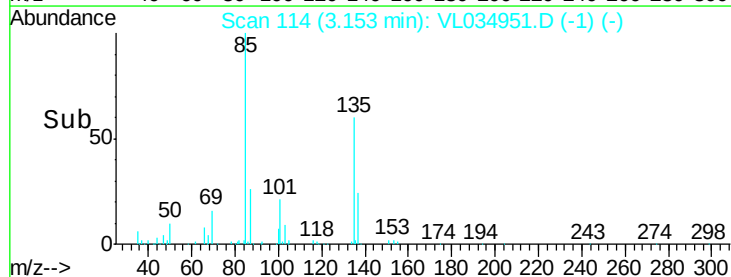
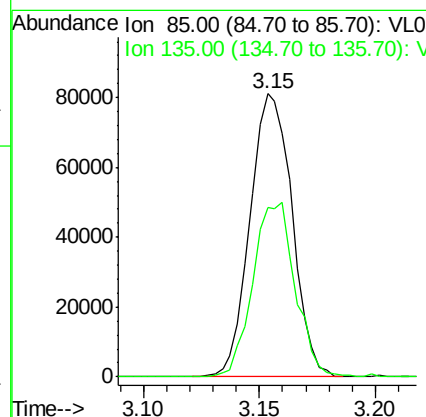
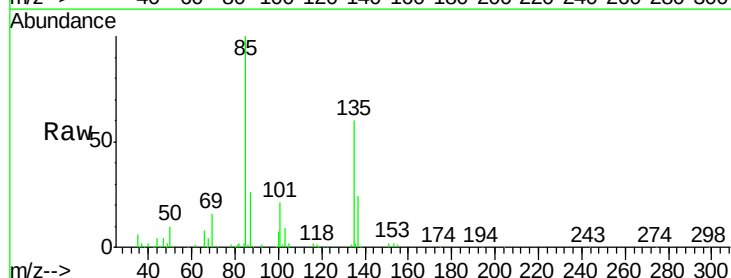
Acq: 7 May 2020 2:03

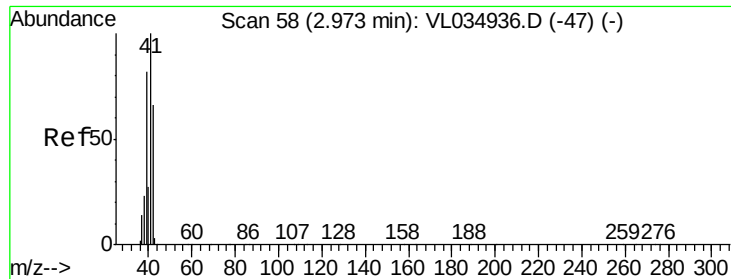
Tgt Ion: 85 Resp: 102137

Ion Ratio Lower Upper

85 100

135 62.3 50.9 76.3





#9

Propene

Concen: 0.442 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 41 Resp: 25426

Ion Ratio Lower Upper

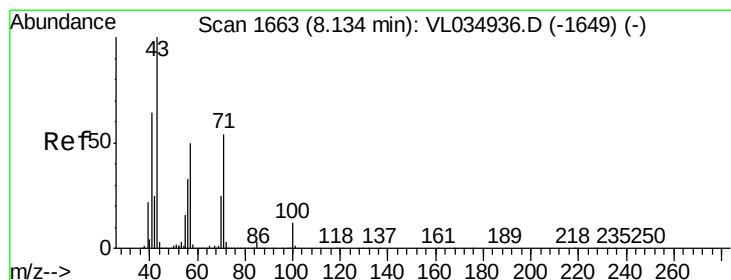
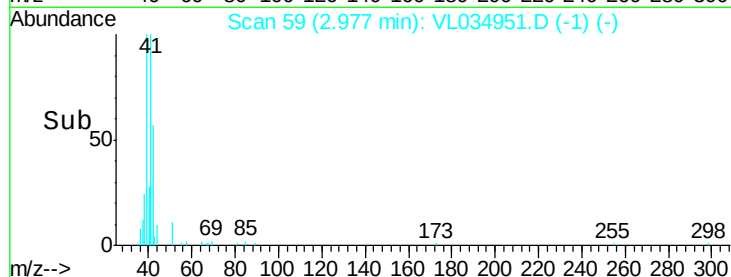
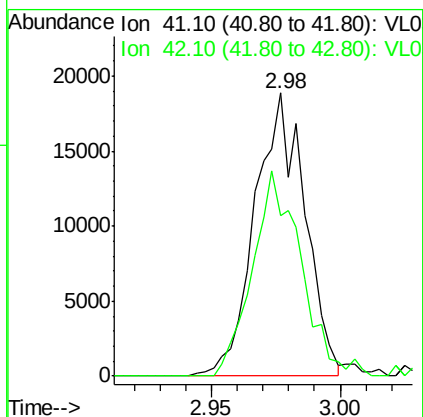
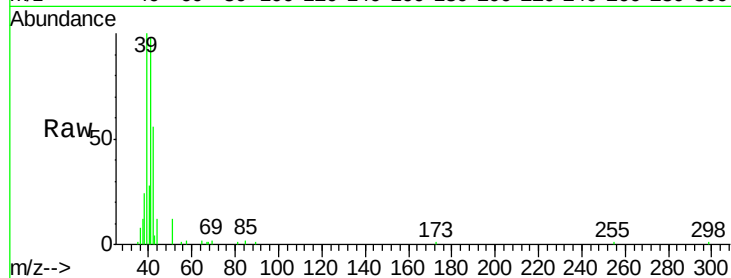
41 100

42 70.9 54.5 81.7

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#10

Heptane

Concen: 0.439 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034951.D

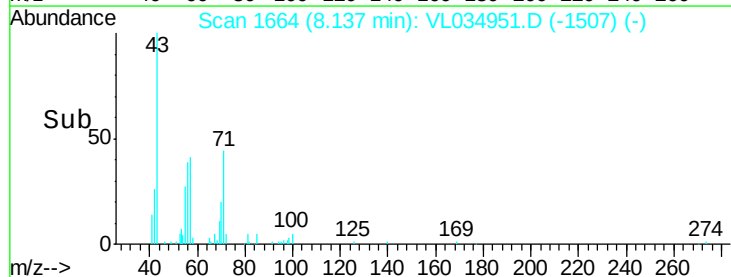
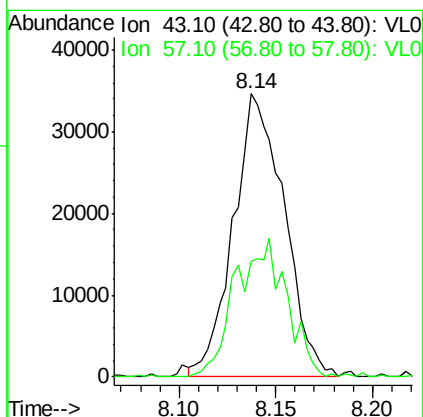
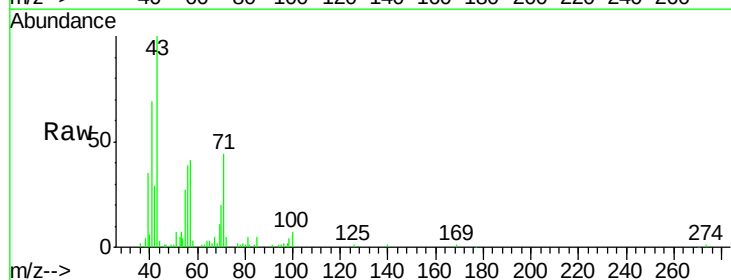
Acq: 7 May 2020 2:03

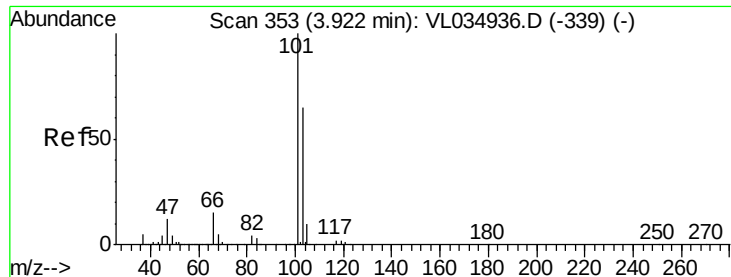
Tgt Ion: 43 Resp: 63259

Ion Ratio Lower Upper

43 100

57 49.8 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.587 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:101 Resp: 99832

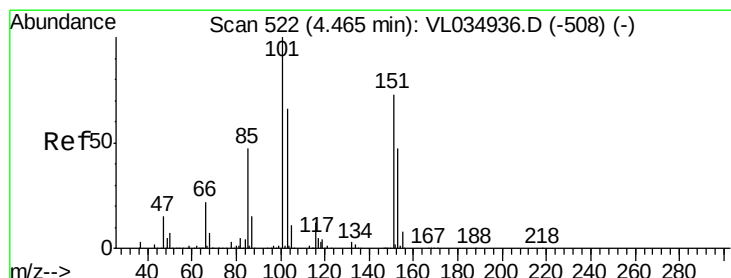
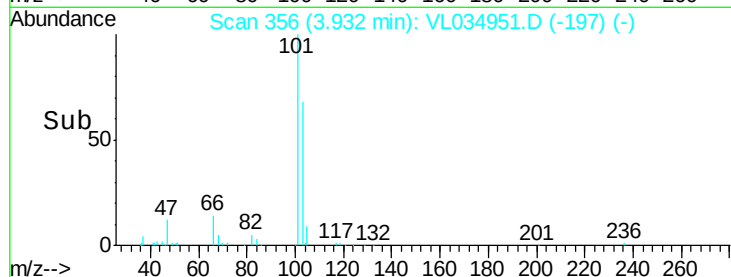
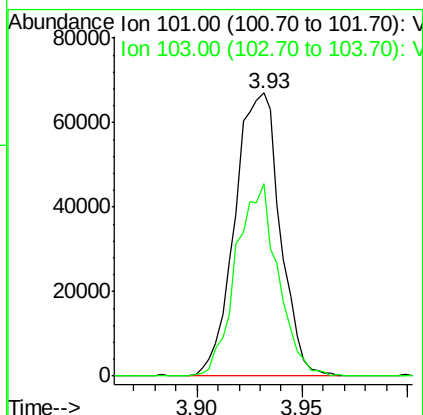
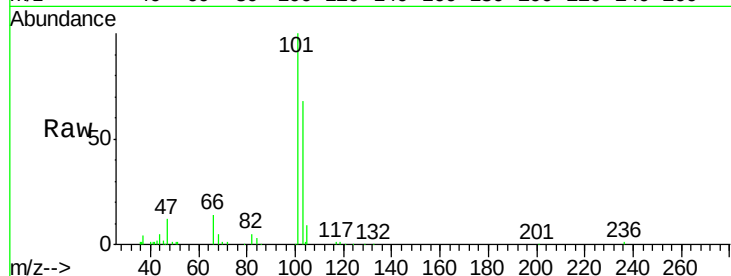
Ion Ratio Lower Upper

101 100

103 68.2 51.9 77.9

Manual Integrations
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MMDadoda
5/7/2020 2:31:44 PM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.528 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034951.D

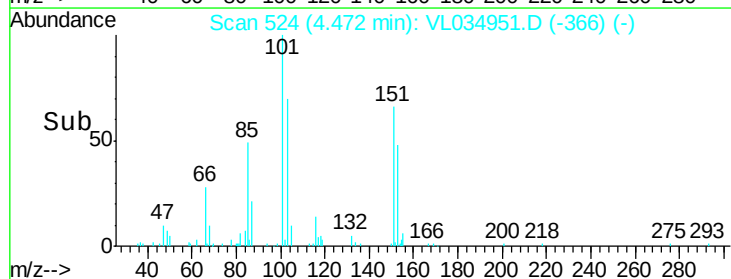
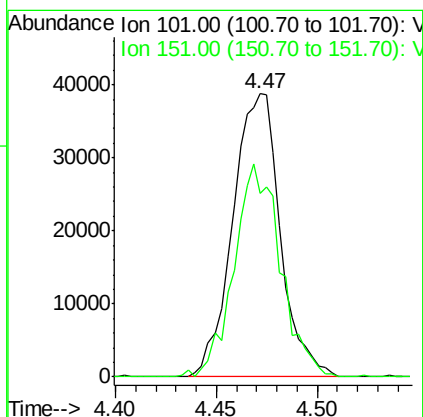
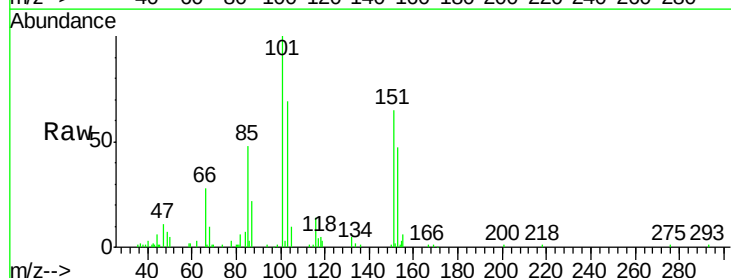
Acq: 7 May 2020 2:03

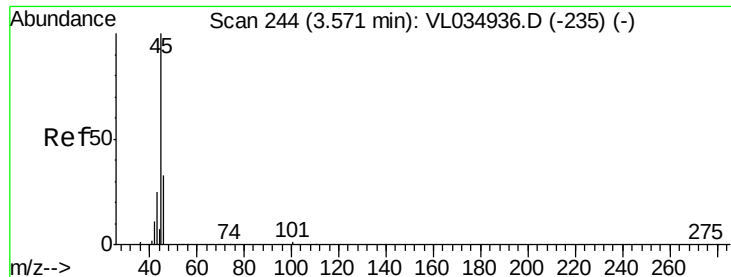
Tgt Ion:101 Resp: 63881

Ion Ratio Lower Upper

101 100

151 73.4 57.6 86.4





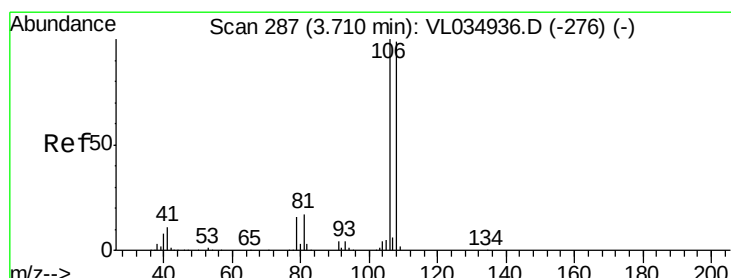
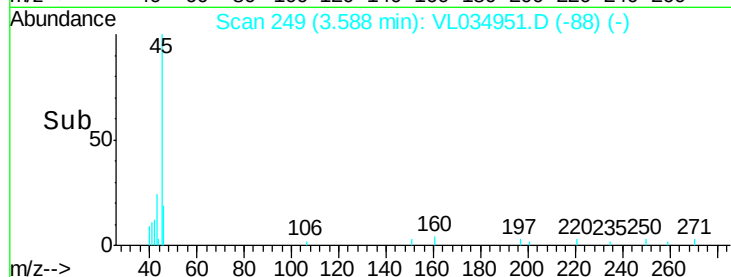
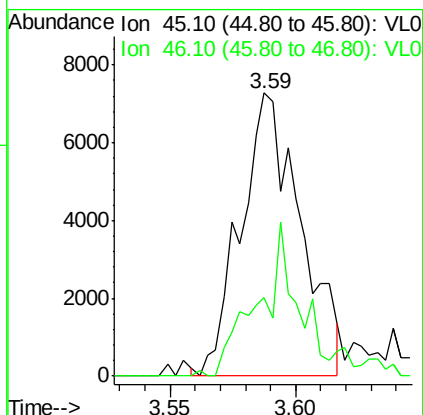
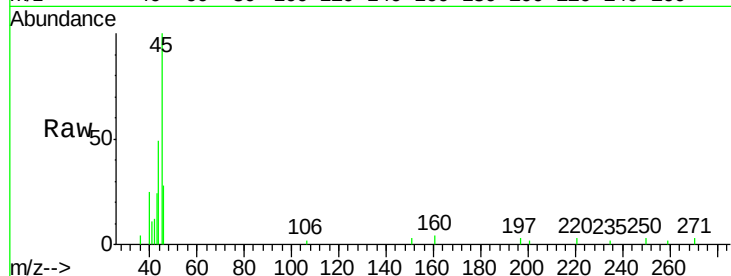
#13
Ethanol
Concen: 0.635 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.3	57.3#

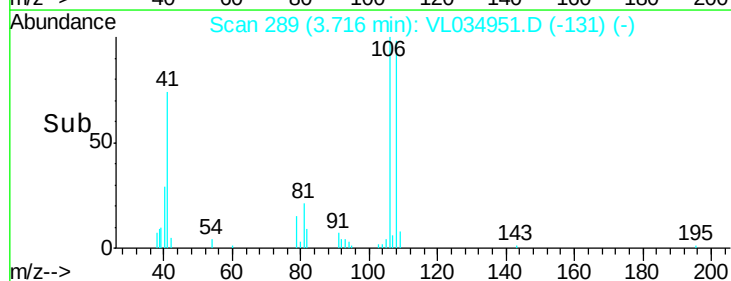
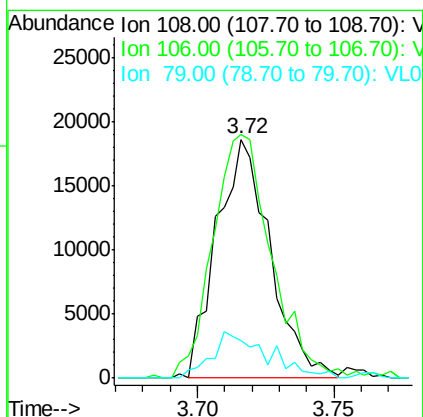
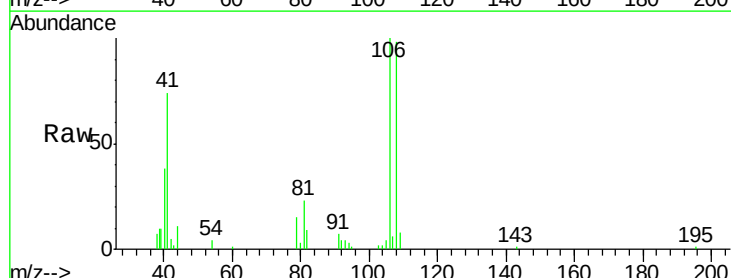
Manual Integrations
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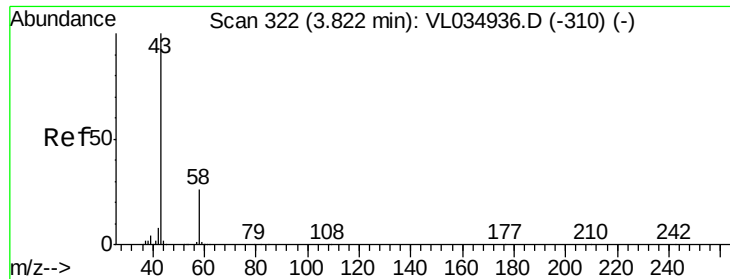
MMDadoda
5/7/2020 2:31:44 PM



#14
Bromoethene
Concen: 0.507 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
108	100		
106	113.7	84.9	127.3
79	21.0	14.1	21.1





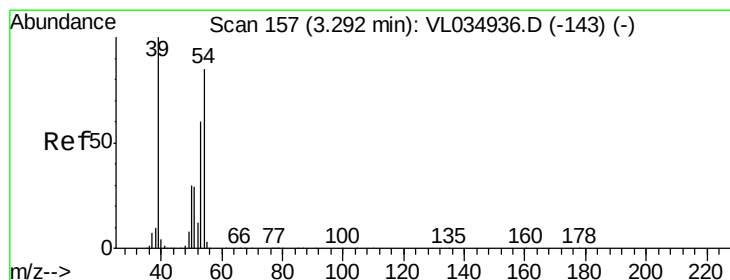
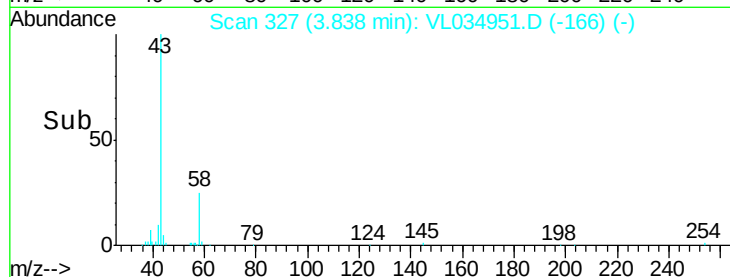
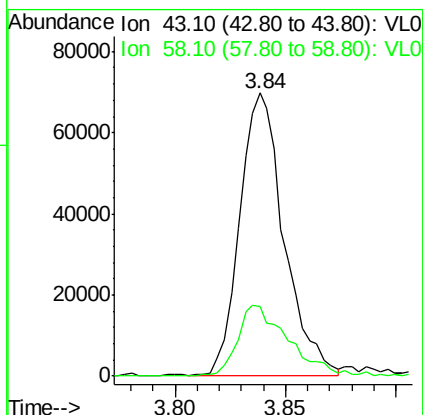
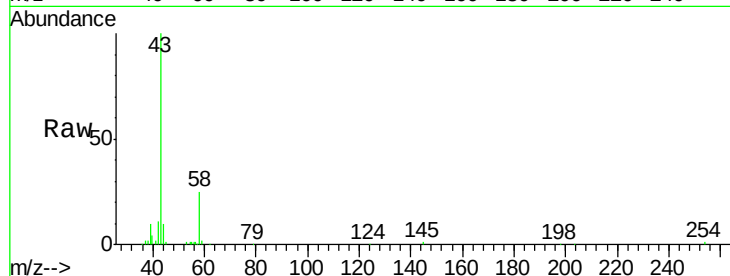
#15
Acetone
Concen: 0.628 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	43	Resp	96440
Ion Ratio	100	Lower	Upper
58	29.5	21.7	32.5

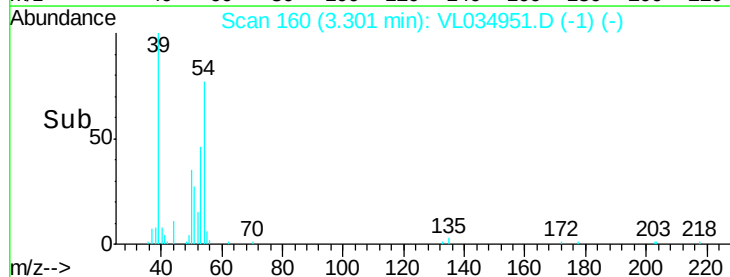
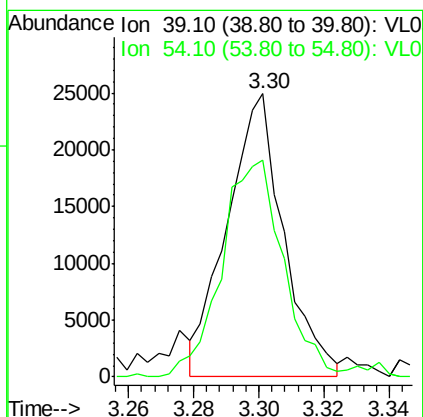
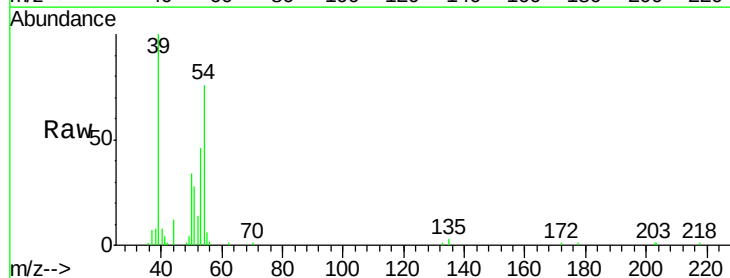
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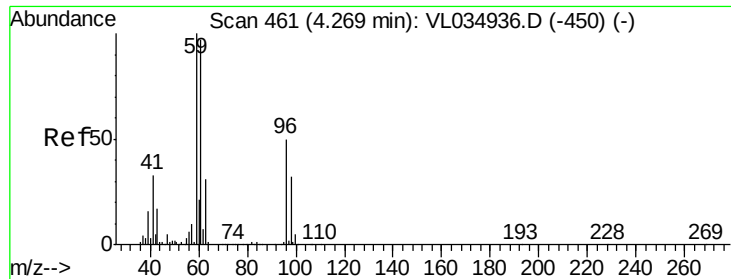
MMDadoda
5/7/2020 2:31:44 PM



#16
1,3-Butadiene
Concen: 0.451 ppbv m
RT: 3.30 min Scan# 160
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	39	Resp	29822
Ion Ratio	100	Lower	Upper
54	86.3	66.6	100.0





#17

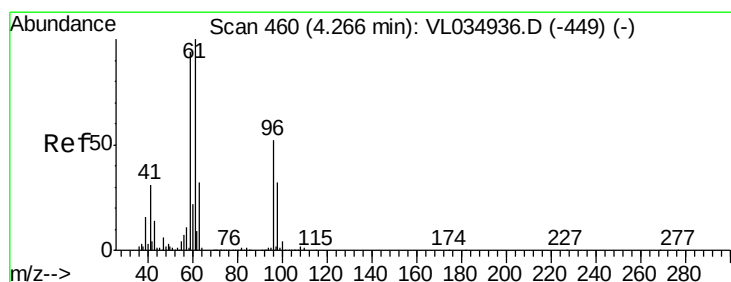
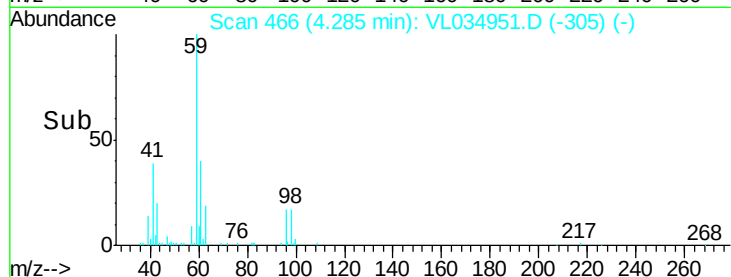
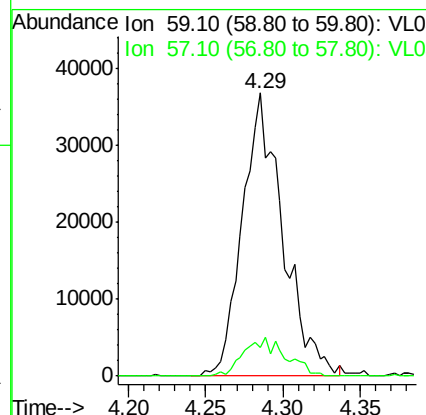
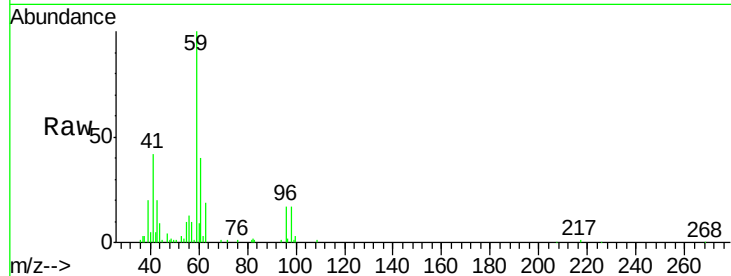
tert-Butyl alcohol
Concen: 0.492 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion: 59 Resp: 67230
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

Manual Integrations
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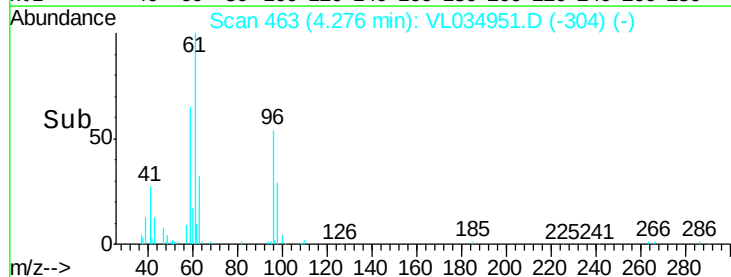
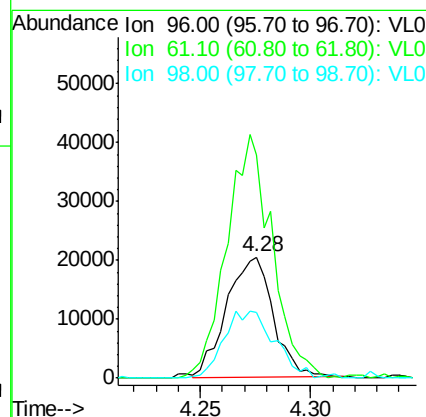
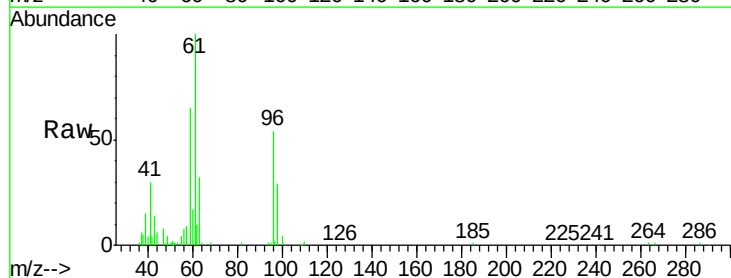
MMDadoda
5/7/2020 2:31:44 PM

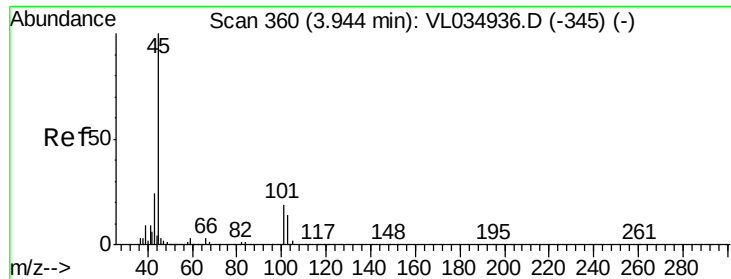


#18

1,1-Dichloroethene
Concen: 0.574 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 96 Resp: 30153
Ion Ratio Lower Upper
96 100
61 186.2 152.4 228.6
98 54.8 48.8 73.2





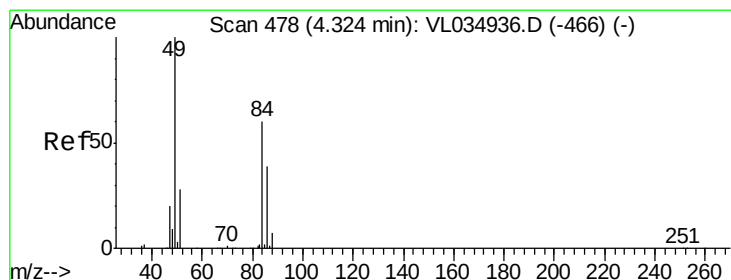
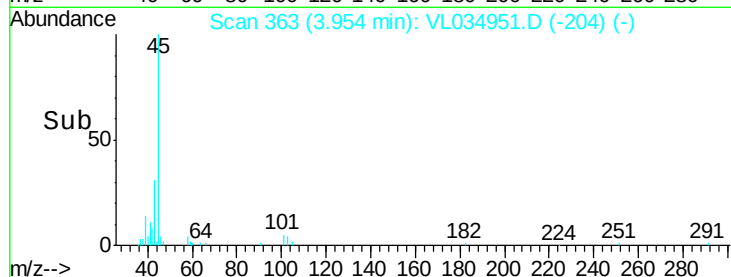
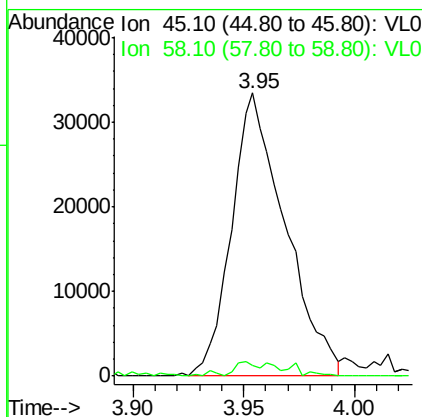
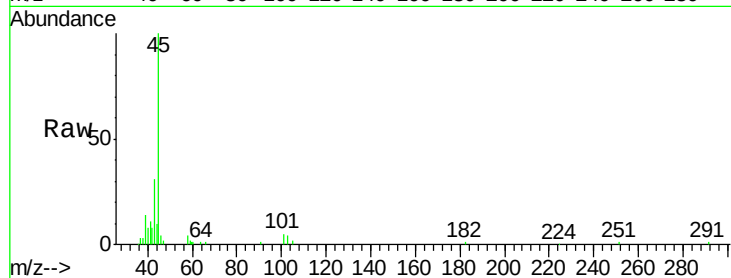
#19
Isopropyl Alcohol
Concen: 0.550 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.2	1.7	2.5#

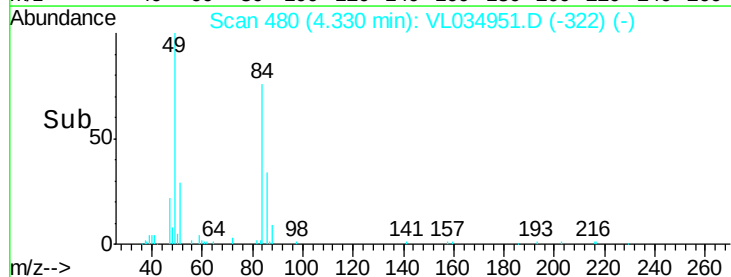
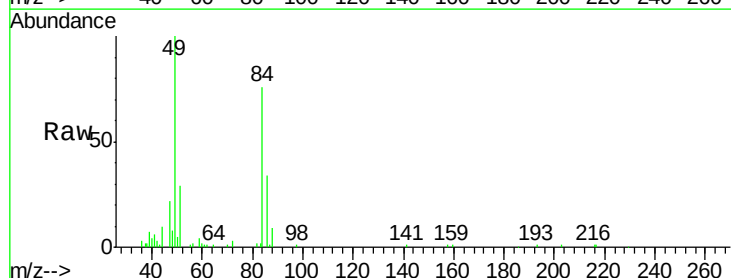
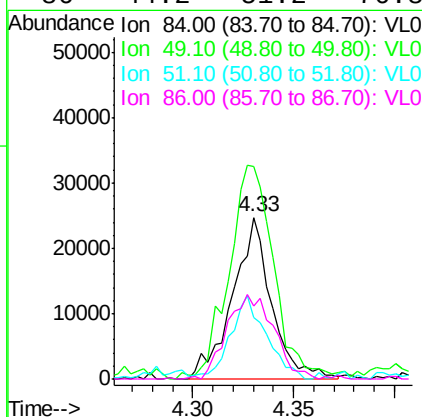
Manual Integrations
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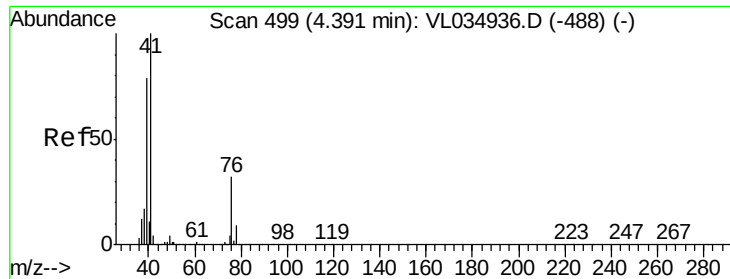
MMDadoda
5/7/2020 2:31:44 PM



#20
Methylene Chloride
Concen: 0.656 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.2	132.5	198.7#
51	36.4	38.4	57.6#
86	44.2	51.2	76.8#





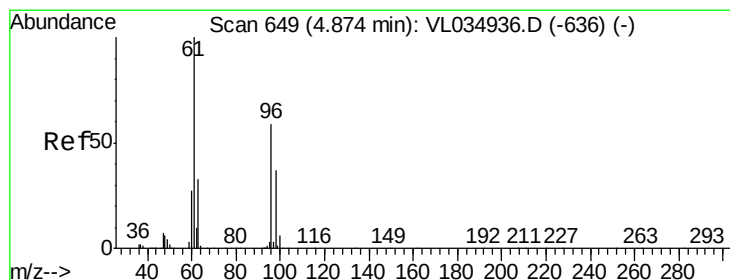
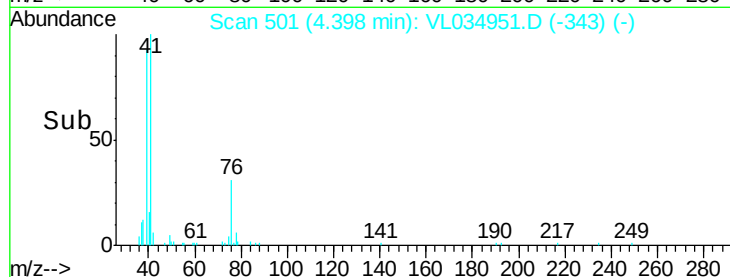
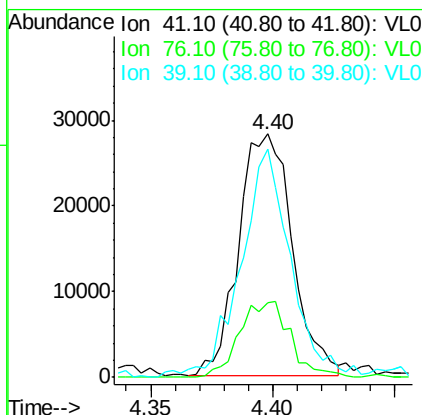
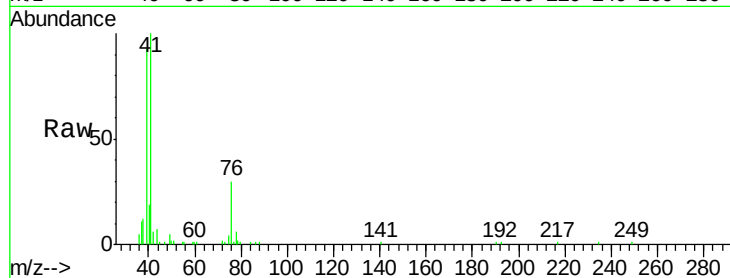
#21
Allvl Chloride
Concen: 0.498 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion:	41	Resp:	43197
Ion Ratio	Lower	Upper	
41	100		
76	29.9	23.6	35.4
39	87.3	61.9	92.9

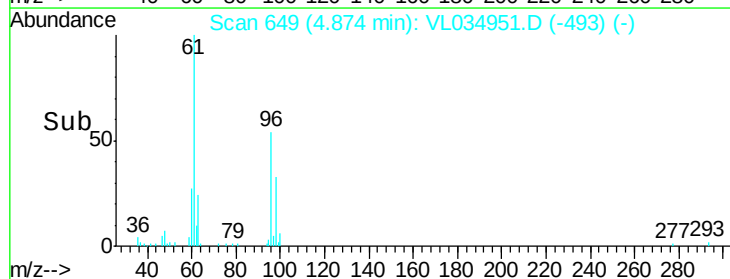
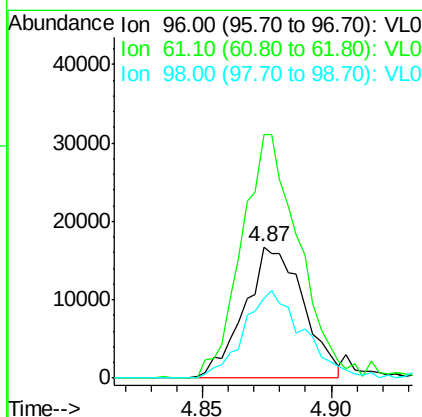
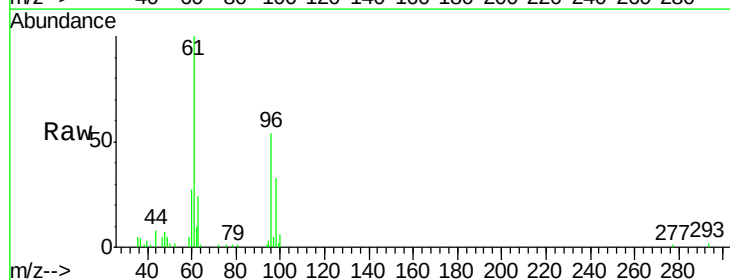
Manual Integrations
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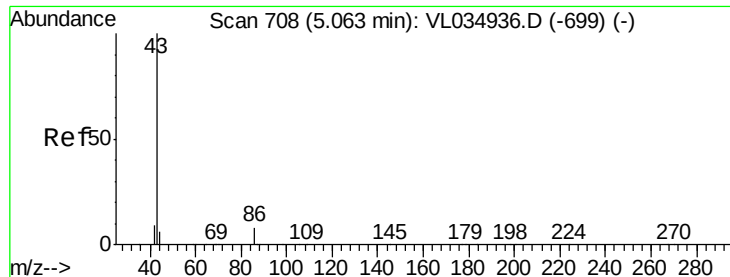
MMDadoda
5/7/2020 2:31:44 PM



#22
trans-1,2-Dichloroethene
Concen: 0.513 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:	96	Resp:	26684
Ion Ratio	Lower	Upper	
96	100		
61	185.3	135.3	202.9
98	60.5	50.4	75.6





#23

Vinyl Acetate

Concen: 0.437 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

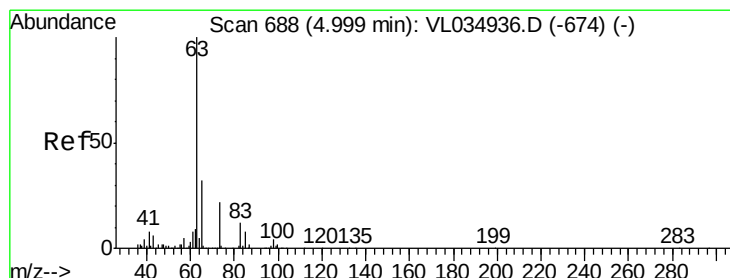
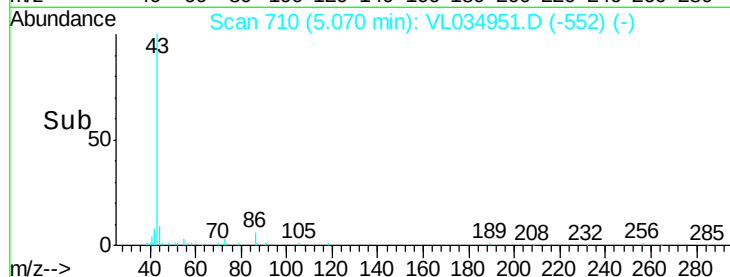
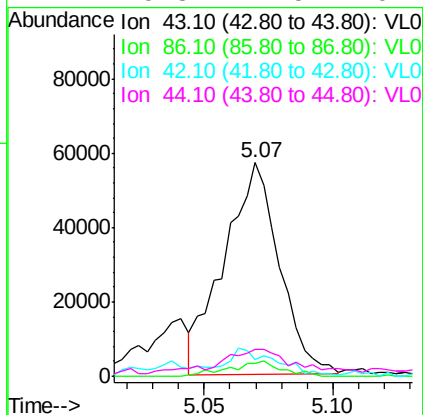
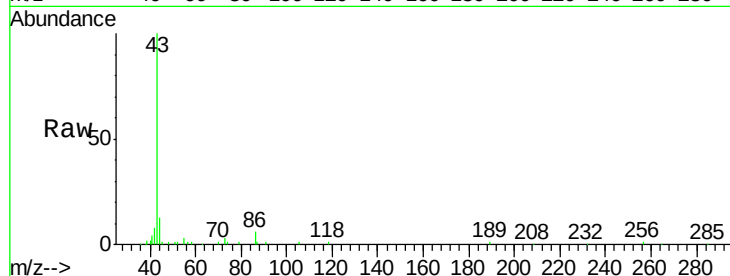
ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion	43	Resp	85109
Ion Ratio	Lower	Upper	
43	100		
86	6.4	5.5	8.3
42	7.3	8.0	12.0#
44	9.8	4.5	6.7#

Manual Integrations
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MMDadoda
5/7/2020 2:31:44 PM



#24

1,1-Dichloroethane

Concen: 0.540 ppbv m

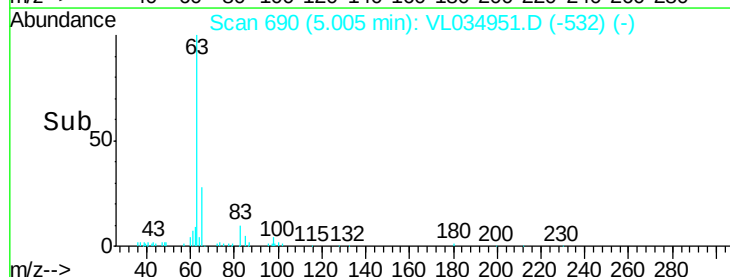
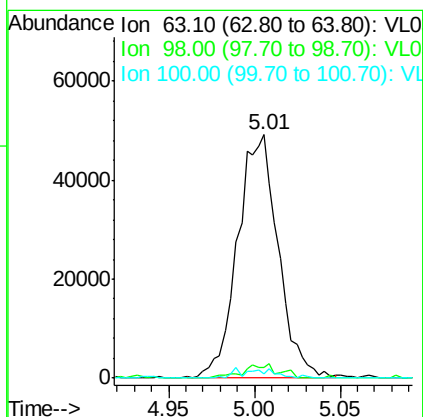
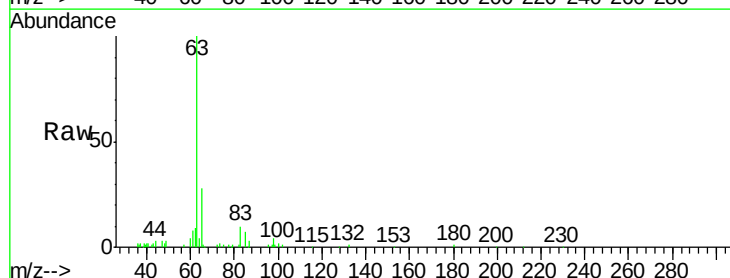
RT: 5.01 min Scan# 690

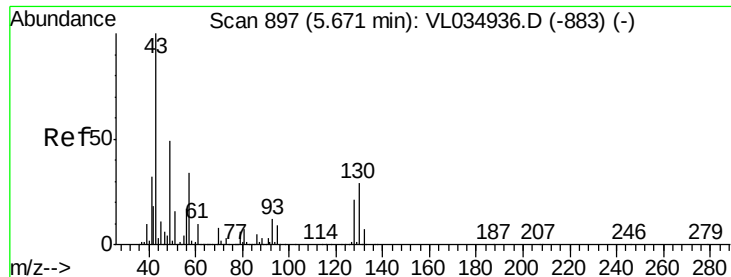
Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Tgt Ion	63	Resp	80998
Ion Ratio	Lower	Upper	
63	100		
98	3.6	2.0	6.0
100	1.9	1.1	3.5





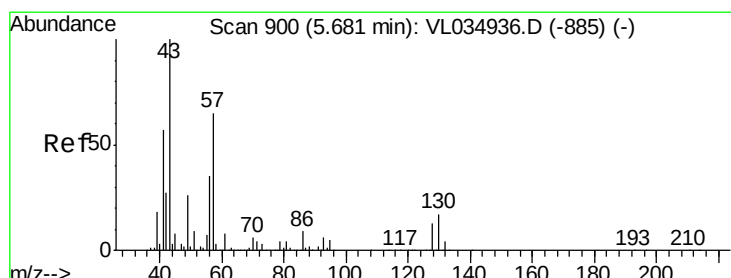
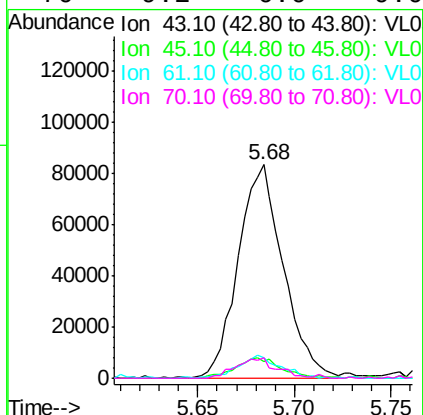
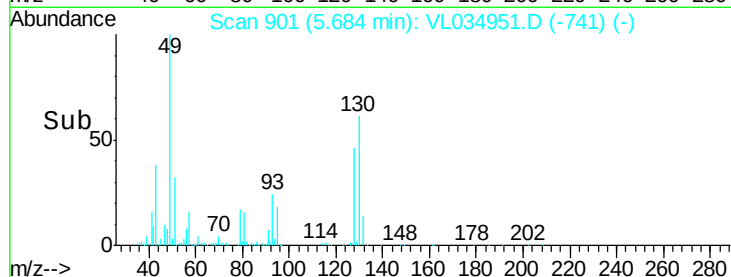
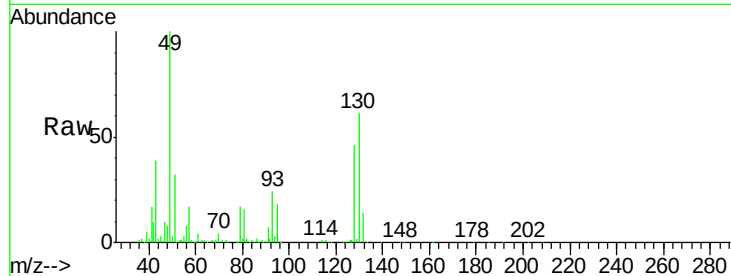
#25
Ethyl Acetate
Concen: 0.524 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	43	Resp	135284
Ion Ratio	Lower	Upper	
43	100		
45	10.4	8.1	12.1
61	10.3	7.8	11.8
70	9.2	6.0	9.0#

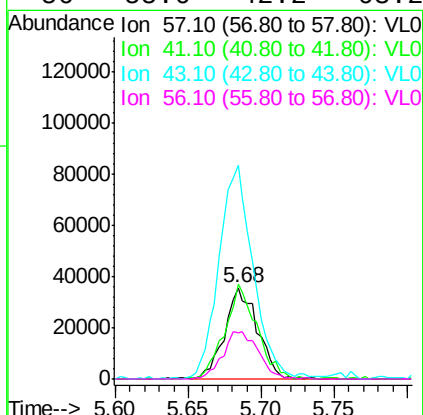
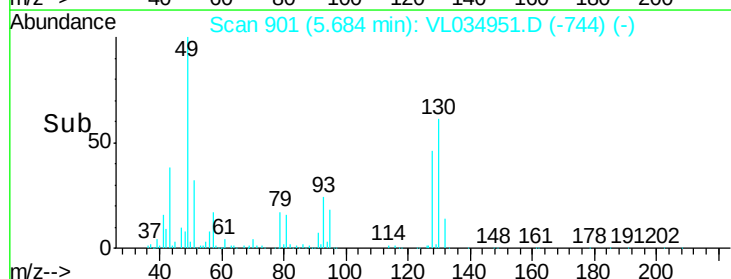
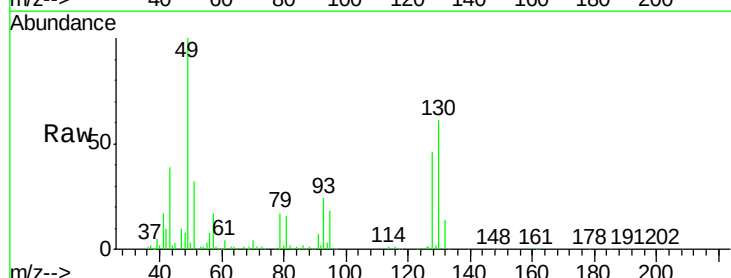
Manual Integrations
APPROVED

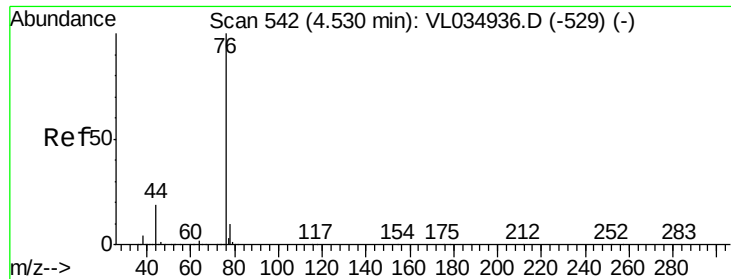
MMDadoda
5/7/2020 2:31:44 PM



#26
Hexane
Concen: 0.499 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	57	Resp	55818
Ion Ratio	Lower	Upper	
57	100		
41	102.3	72.7	109.1
43	244.4	182.1	273.1
56	55.6	42.2	63.2





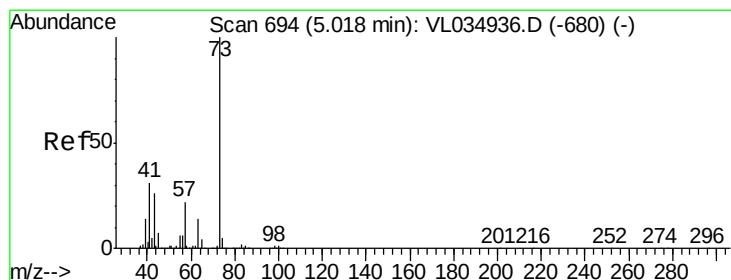
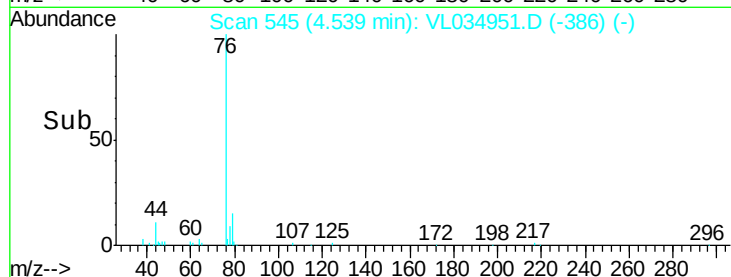
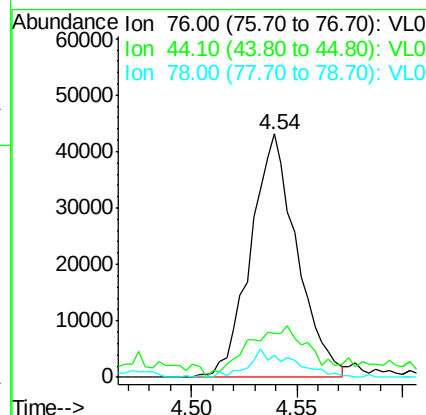
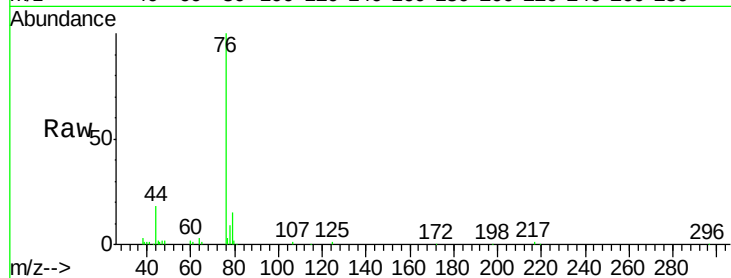
#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
44	27.7	15.2	22.8#
78	11.5	7.7	11.5#

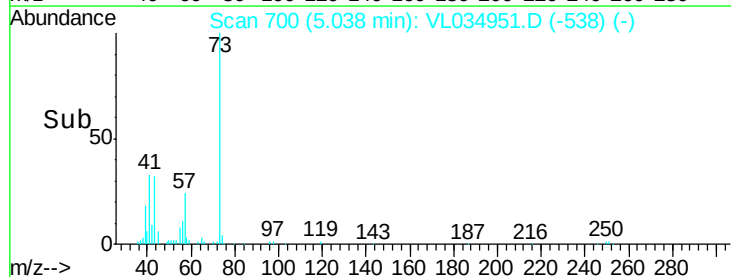
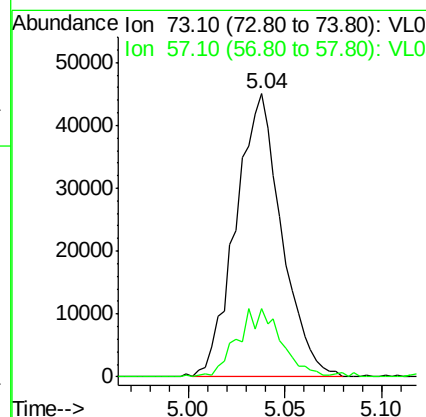
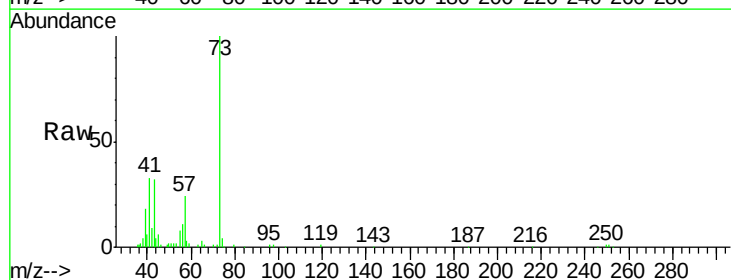
Manual Integrations
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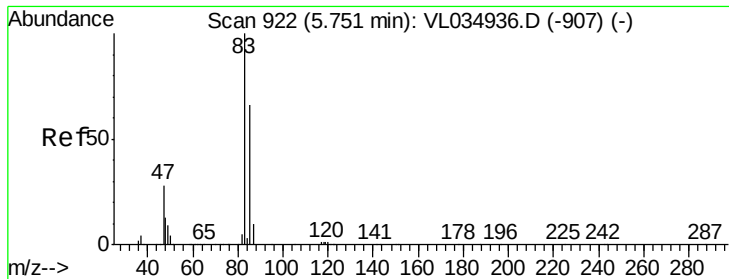
MMDadoda
5/7/2020 2:31:44 PM



#28
Methyl tert-Butyl Ether
Concen: 0.437 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.3	27.5





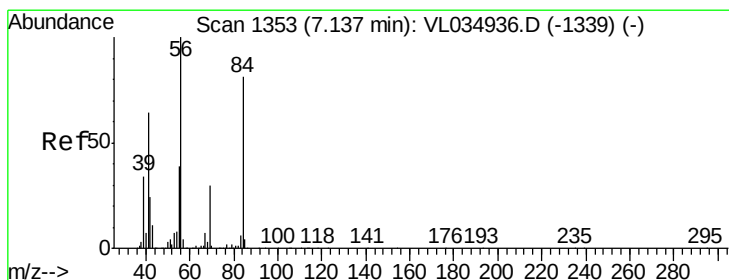
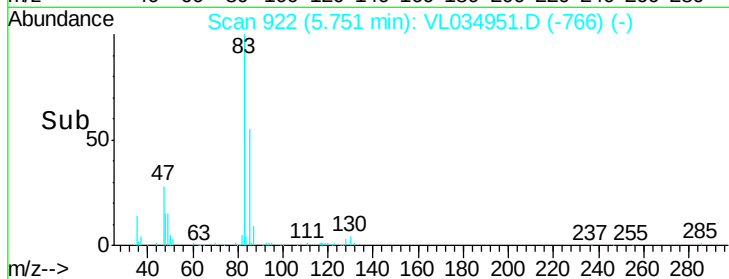
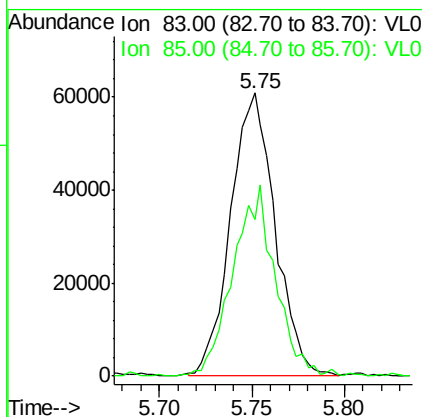
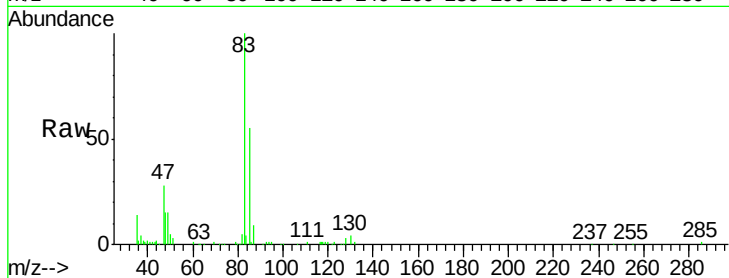
#29
Chloroform
Concen: 0.549 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	83	Resp	100404
Ion Ratio	Lower	Upper	
83	100		
85	55.0	53.0	79.6

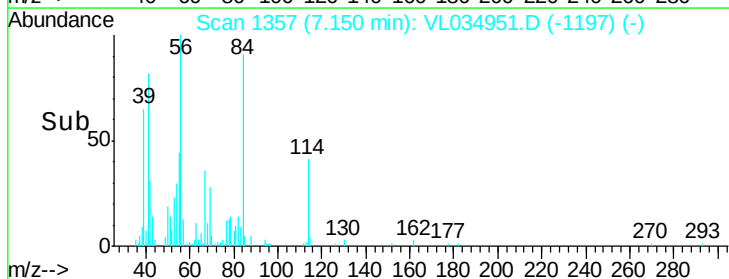
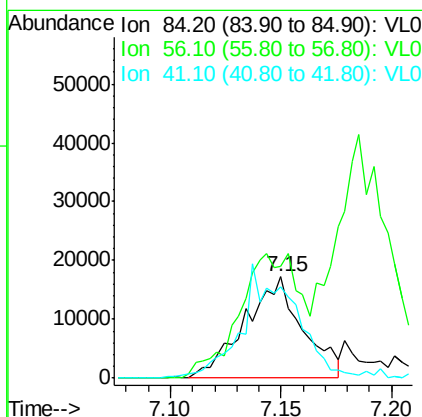
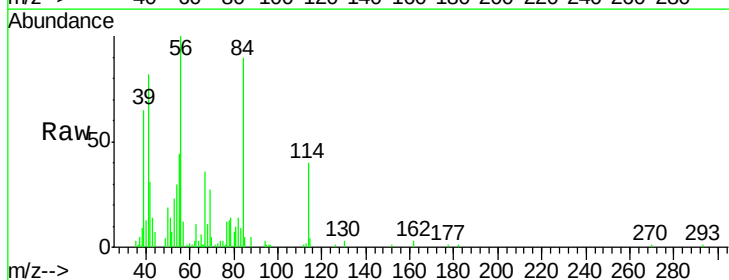
Manual Integrations
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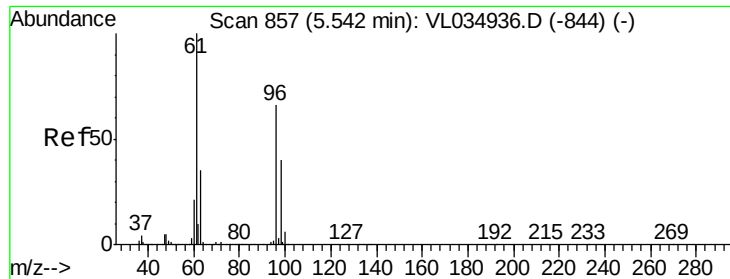
MMDadoda
5/7/2020 2:31:44 PM



#30
Cyclohexane
Concen: 0.364 ppbv m
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	84	Resp	31456
Ion Ratio	Lower	Upper	
84	100		
56	128.1	111.4	167.2
41	105.4	66.7	100.1#





#31

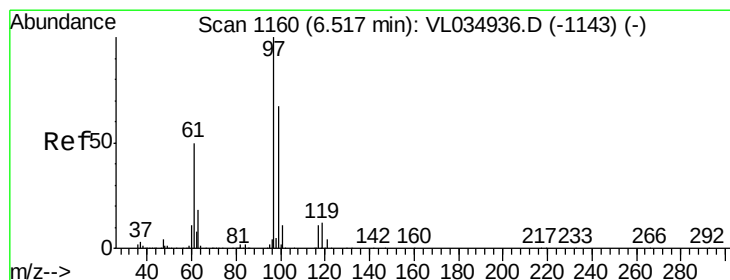
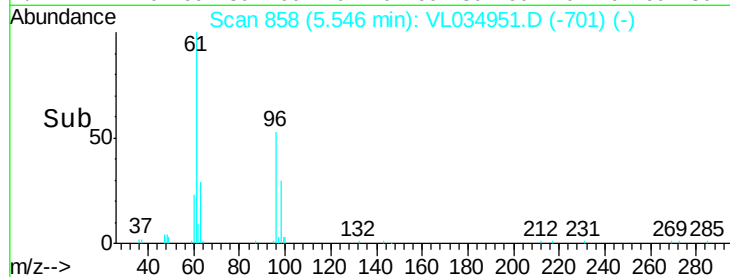
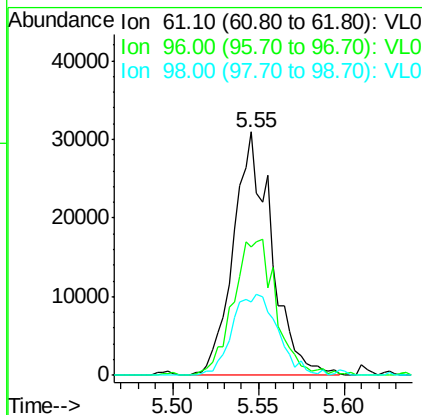
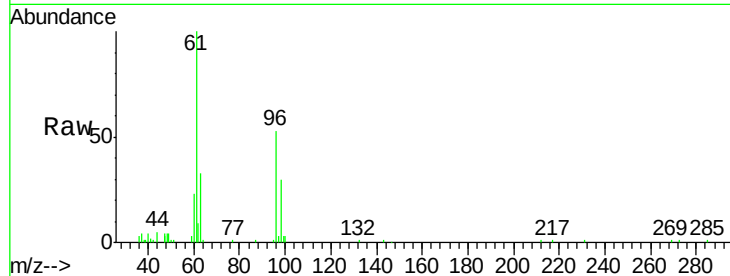
cis-1,2-Dichloroethene
 Concen: 0.441 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	52.7	53.0	79.6#	
98	30.2	32.2	48.2#	

Manual Integrations
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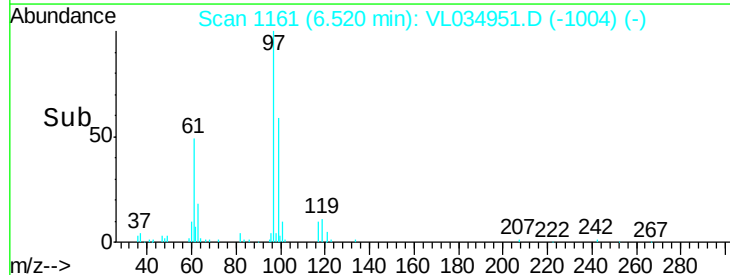
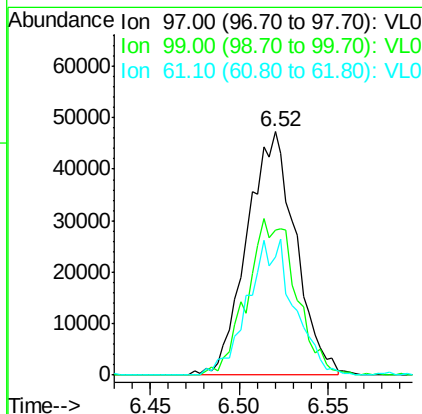
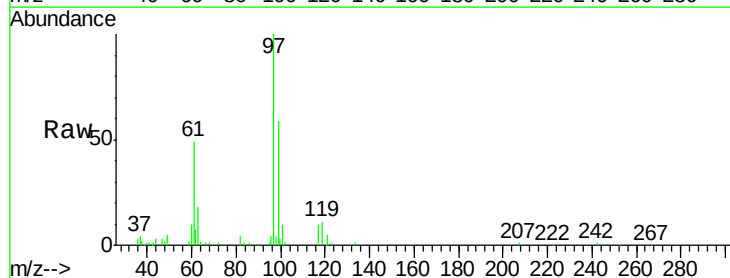
MMDadoda
 5/7/2020 2:31:44 PM

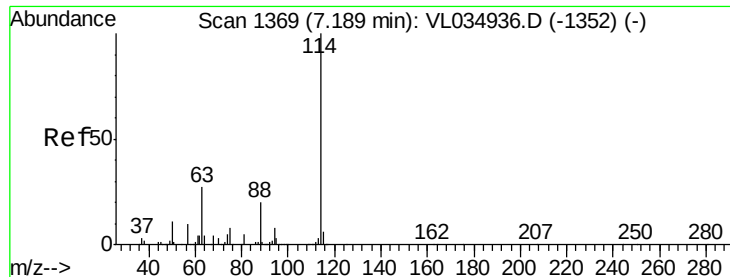


#32

1,1,1-Trichloroethane
 Concen: 0.545 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.6	52.1	78.1	
61	53.3	41.8	62.8	





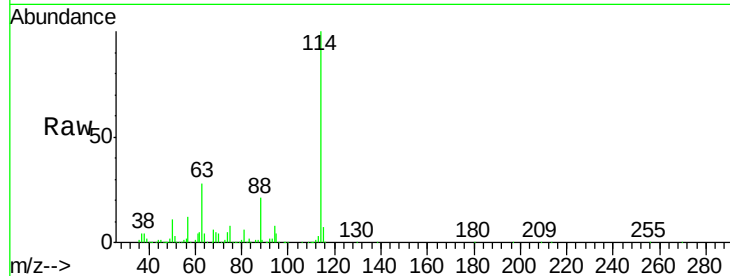
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.4
88	19.8	15.5	23.3

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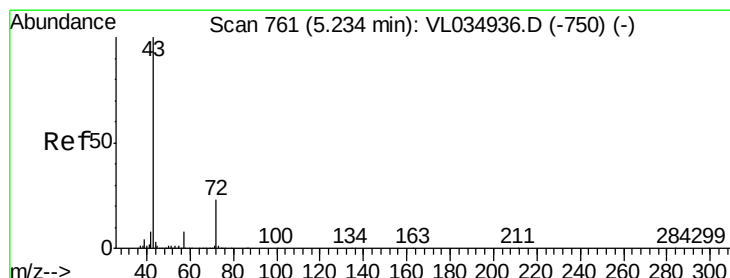
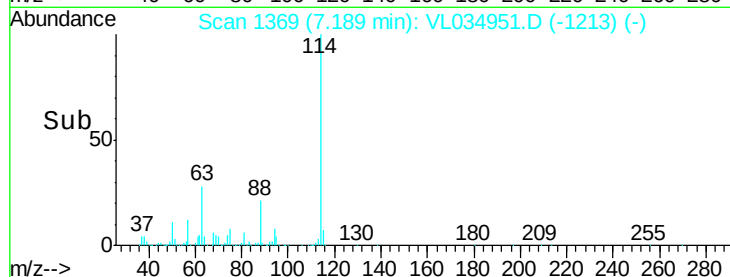
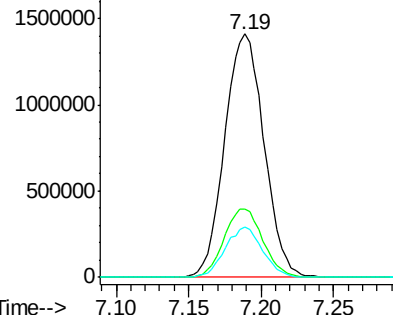
MMDadoda
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Abundance Ion 114.10 (113.80 to 114.80): VL0

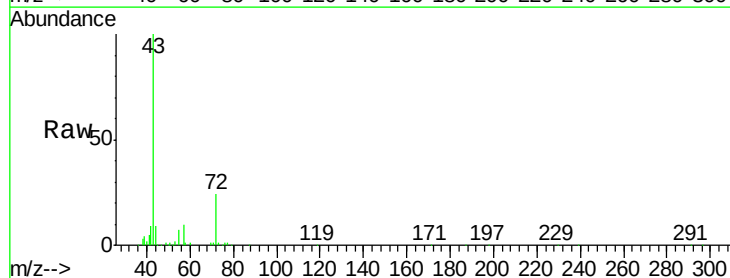
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



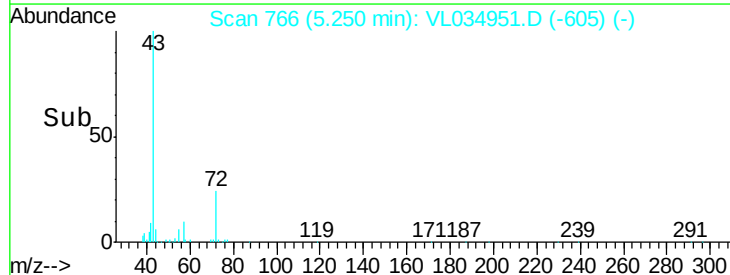
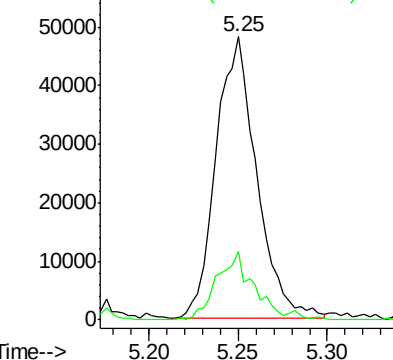
#34
 2-Butanone
 Concen: 0.463 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

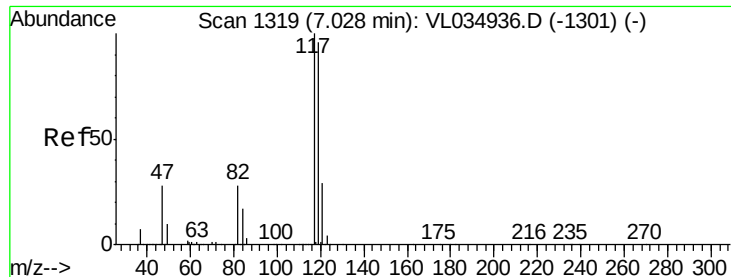
Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.0	27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.536 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

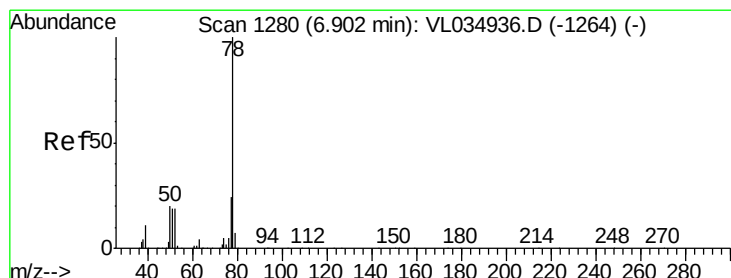
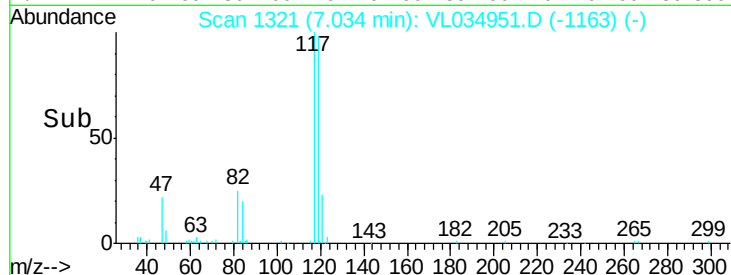
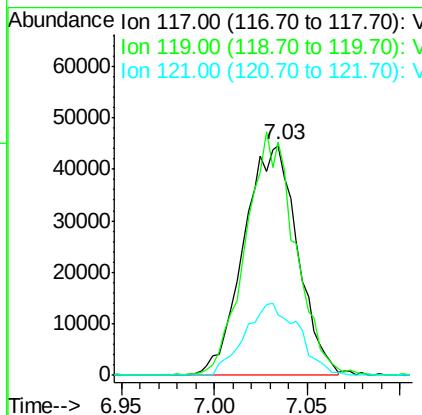
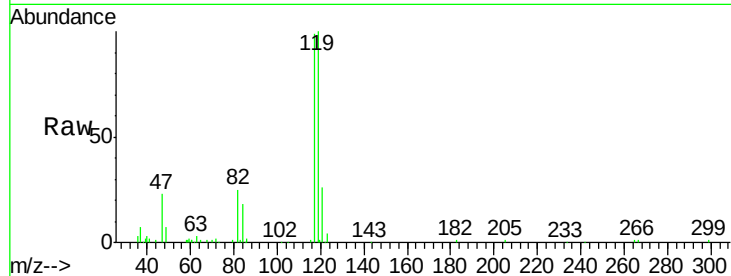
ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:	117	Resp:	90010
Ion Ratio	Lower	Upper	
117	100		
119	101.4	77.0	115.6
121	26.3	23.0	34.6

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#36

Benzene

Concen: 0.429 ppbv

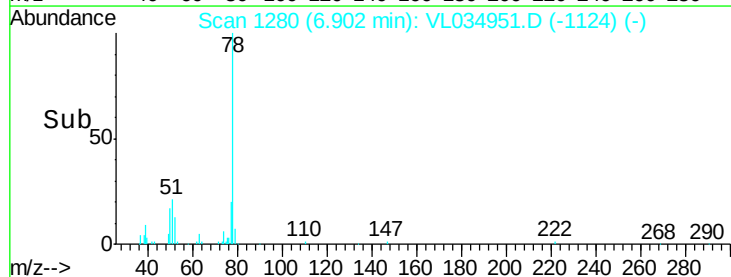
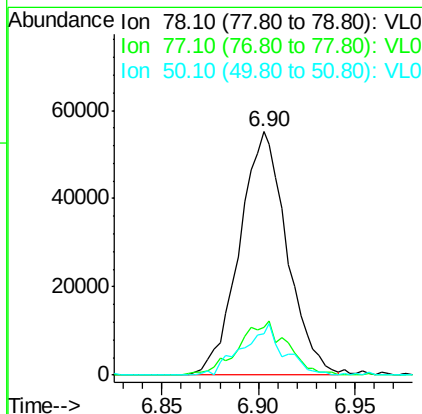
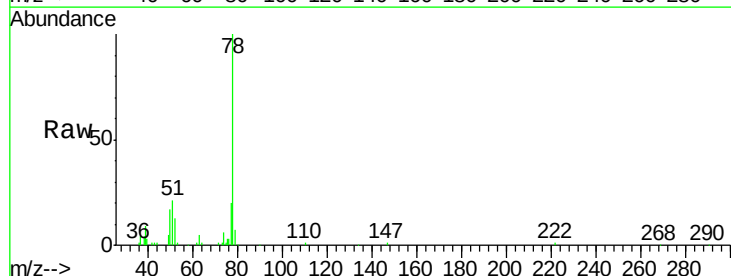
RT: 6.90 min Scan# 1280

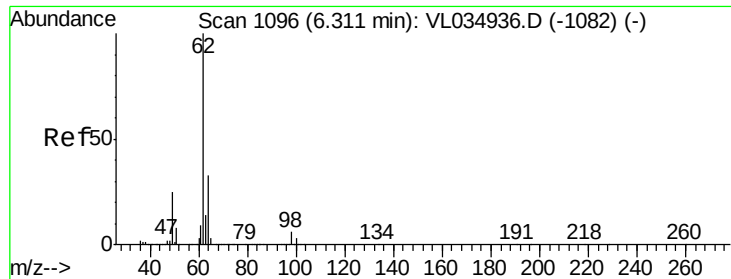
Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Tgt Ion:	78	Resp:	94226
Ion Ratio	Lower	Upper	
78	100		
77	19.2	19.0	28.6
50	17.0	15.8	23.8





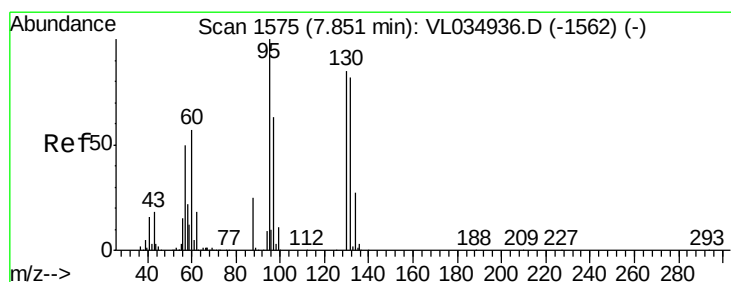
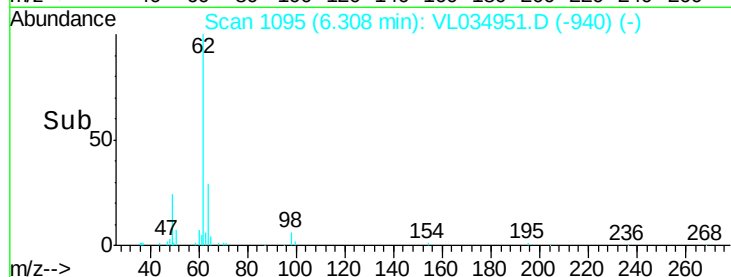
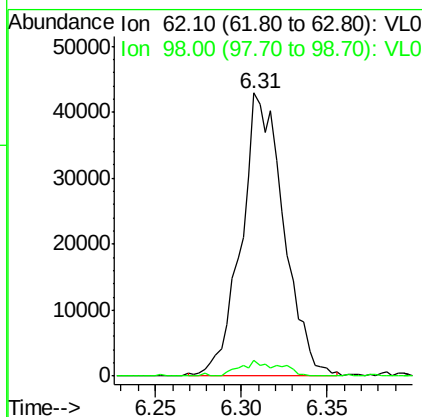
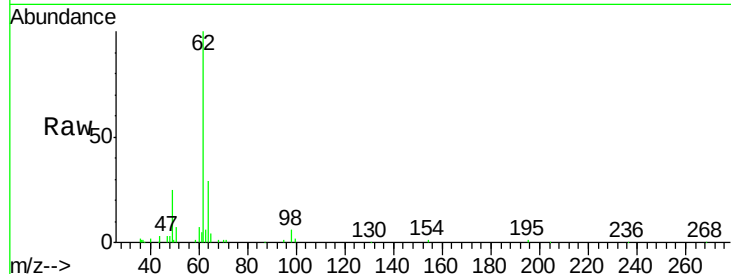
#37
 1,2-Dichloroethane
 Concen: 0.543 ppbv m
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.8	7.2

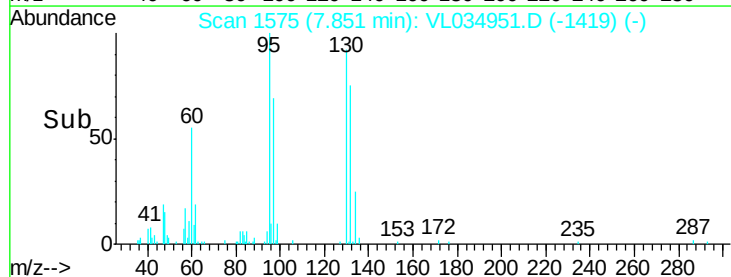
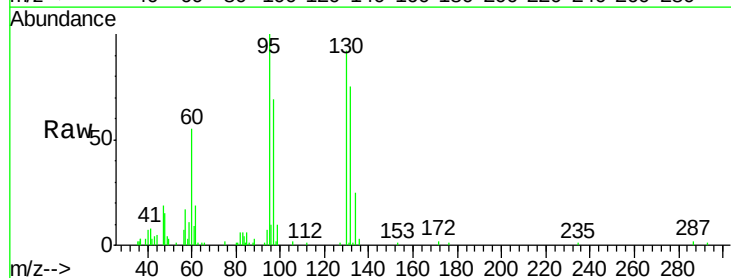
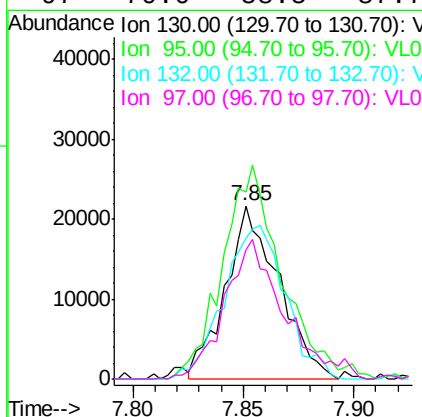
Manual Integrations
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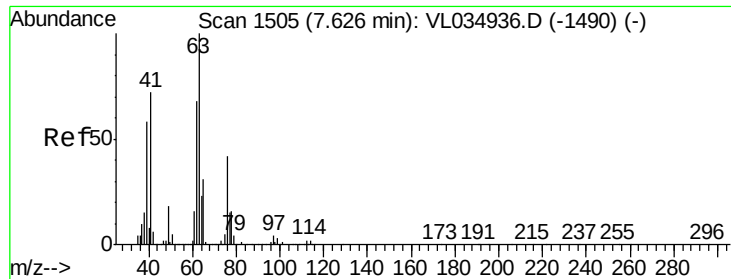
MMDadoda
 5/7/2020 2:31:44 PM



#38
 Trichloroethene
 Concen: 0.426 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	93.4	140.0
132	82.3	76.4	114.6
97	70.0	58.5	87.7





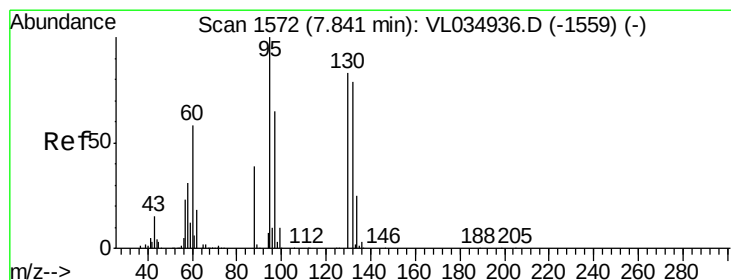
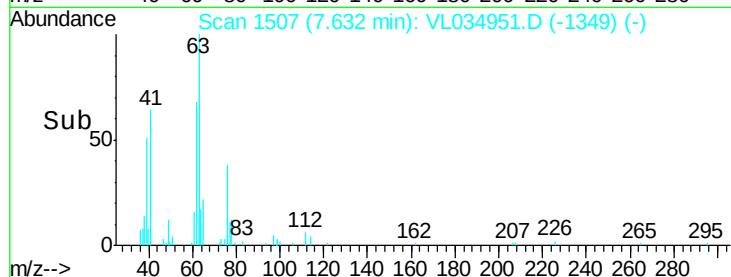
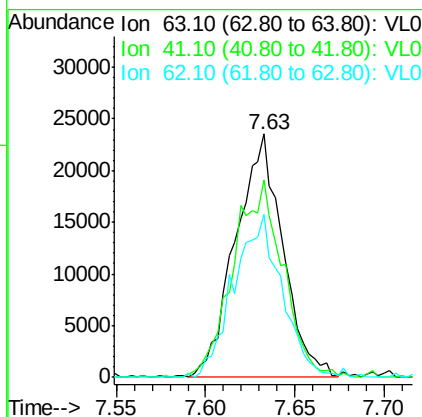
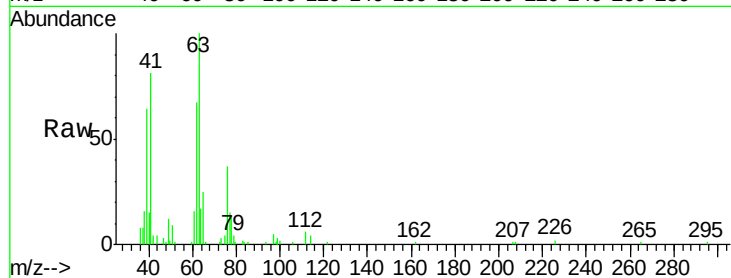
#39
 1,2-Dichloropropane
 Concen: 0.493 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion:	63	Resp:	43338
Ion	Ratio	Lower	Upper
63	100		
41	80.4	57.8	86.8
62	66.3	54.2	81.2

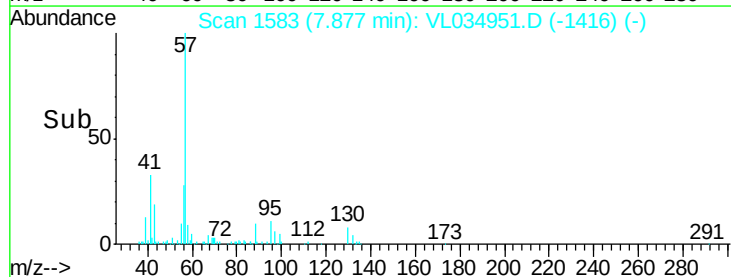
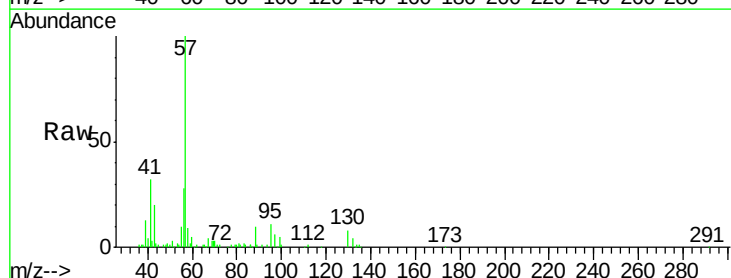
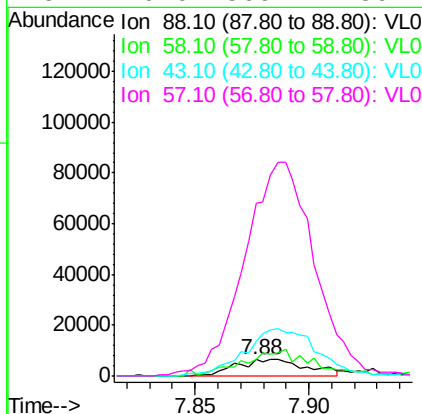
Manual Integrations
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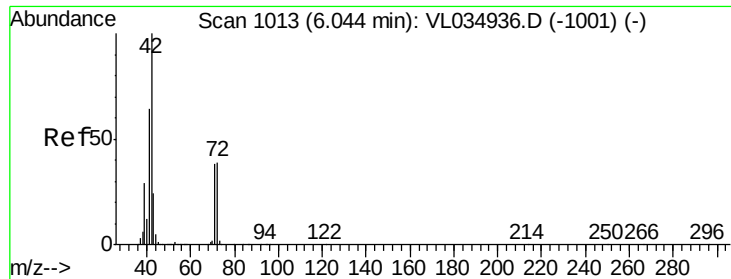
MMDadoda
 5/7/2020 2:31:44 PM



#40
 1,4-Dioxane
 Concen: 0.395 ppbv m
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.04 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion:	88	Resp:	14129
Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





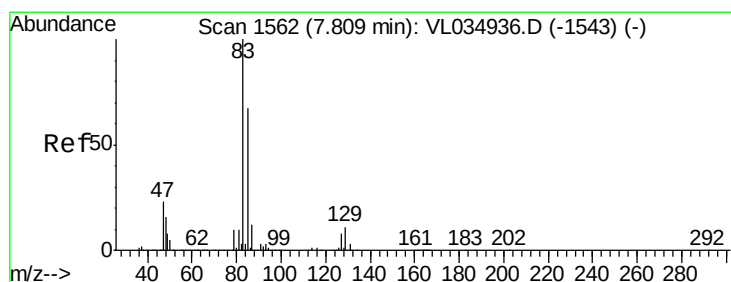
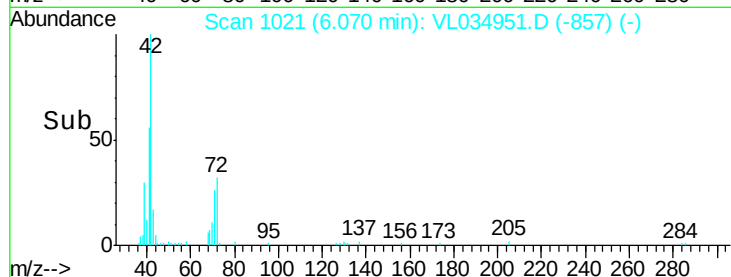
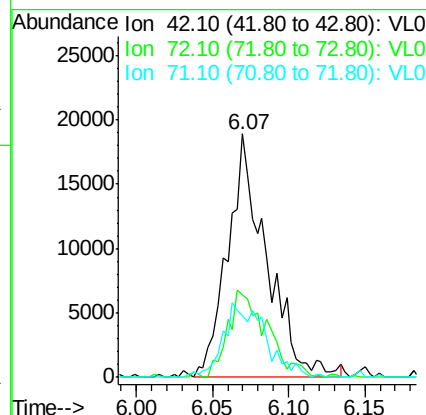
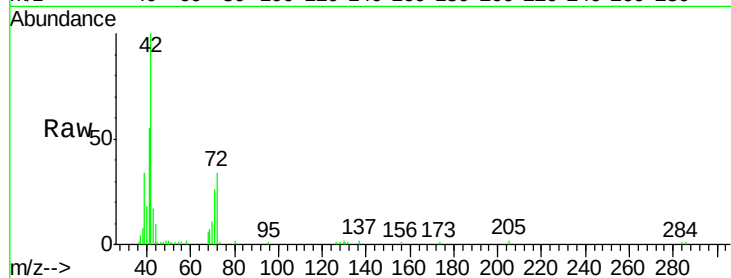
#41
Tetrahydrofuran
Concen: 0.383 ppbv m
RT: 6.07 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	31.4	47.0
71	33.5	29.8	44.8

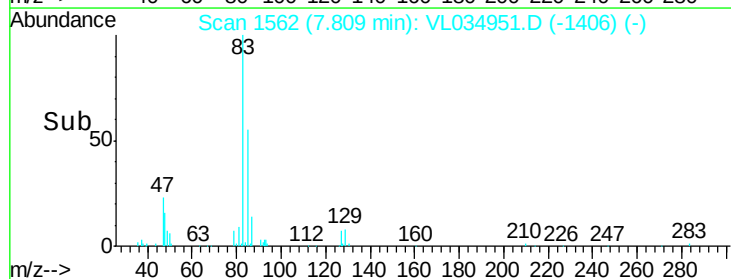
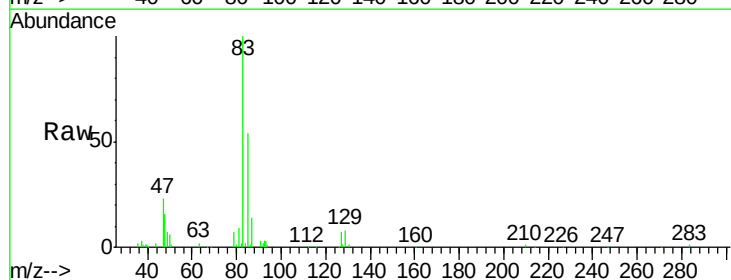
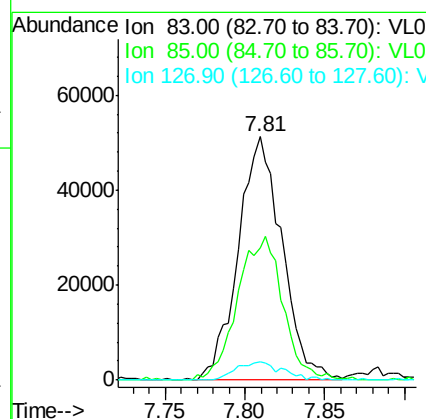
Manual Integrations
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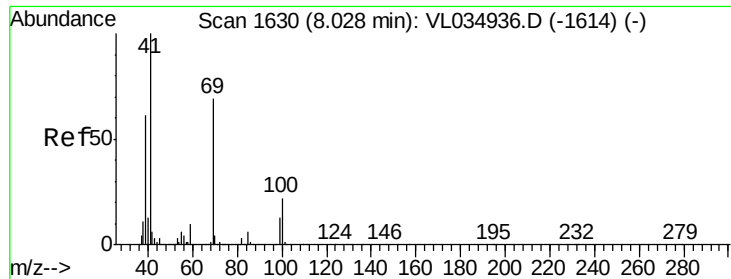
MMDadoda
5/7/2020 2:31:44 PM



#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.3	53.4	80.0
127	7.4	6.1	9.1





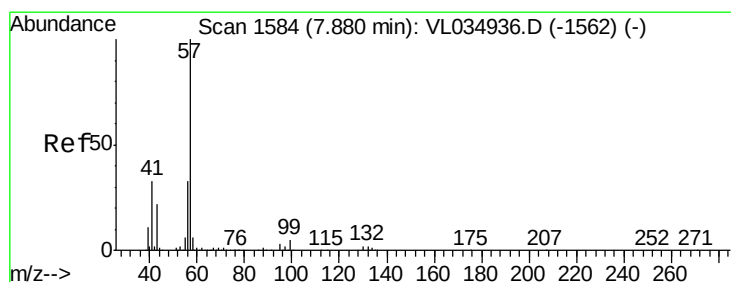
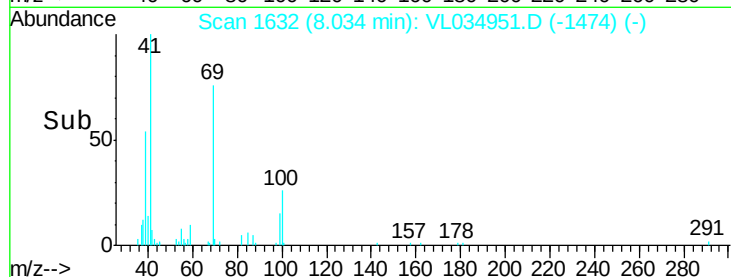
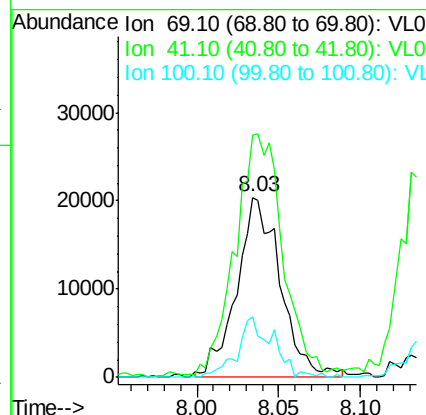
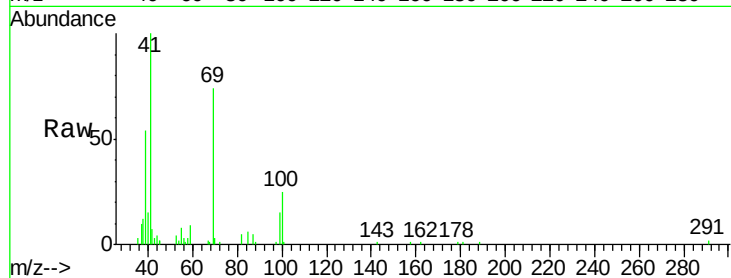
#43
Methyl Methacrylate
Concen: 0.407 ppbv m
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.6	119.8	179.6	
100	27.7	25.0	37.6	

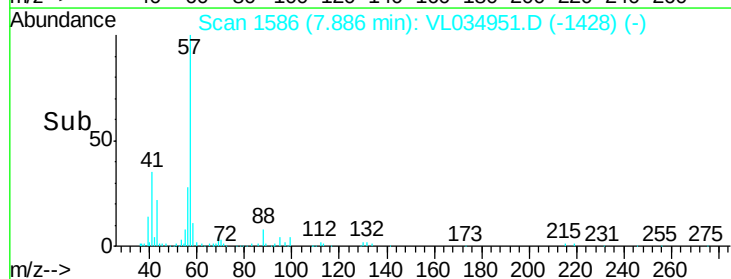
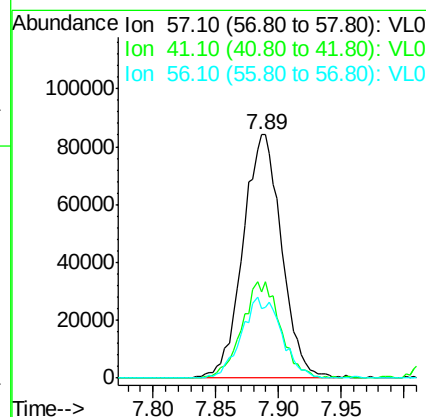
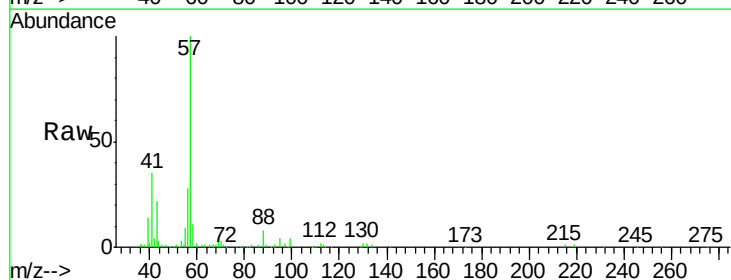
Manual Integrations
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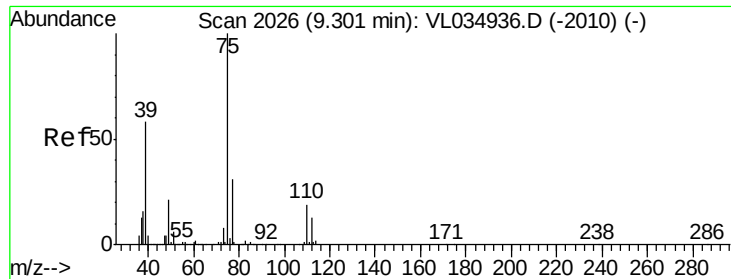
MMDadoda
5/7/2020 2:31:44 PM



#44
2,2,4-Trimethylpentane
Concen: 0.462 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	39.0	26.4	39.6	
56	34.0	25.5	38.3	





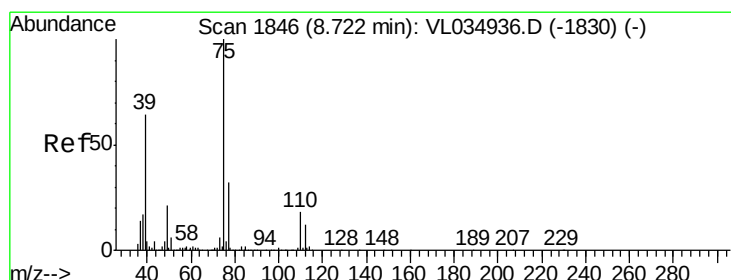
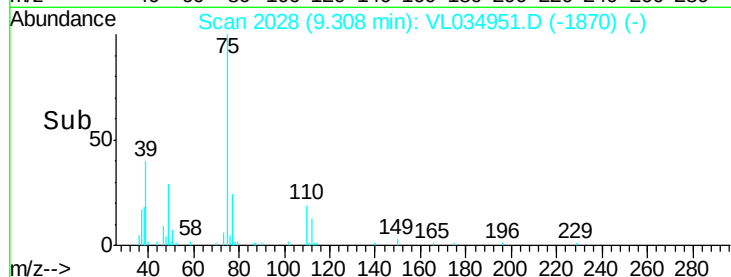
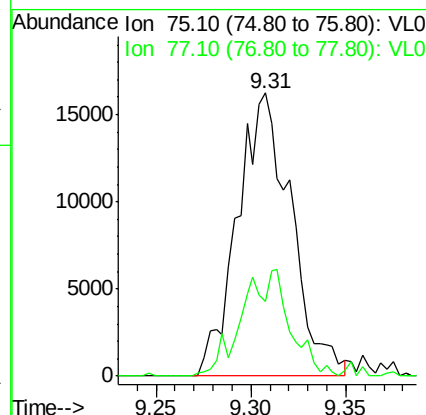
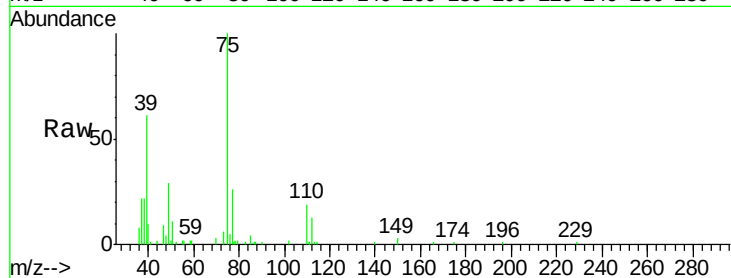
#45
t-1,3-Dichloropropene
Concen: 0.341 ppbv m
RT: 9.31 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion: 75 Resp: 31859
Ion Ratio Lower Upper
75 100
77 26.2 24.9 37.3

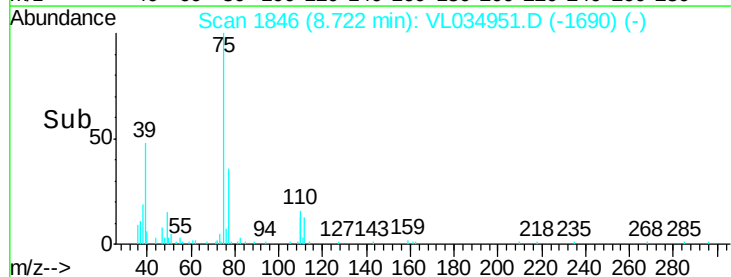
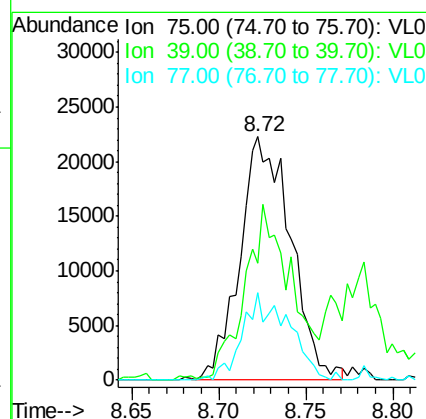
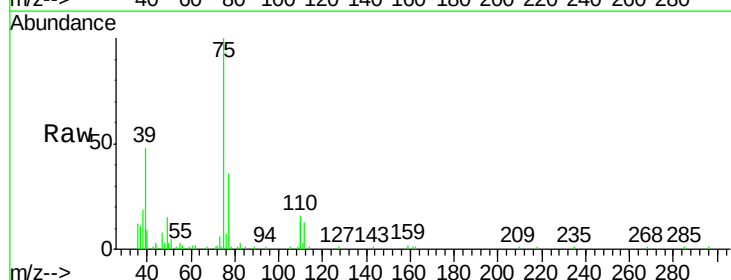
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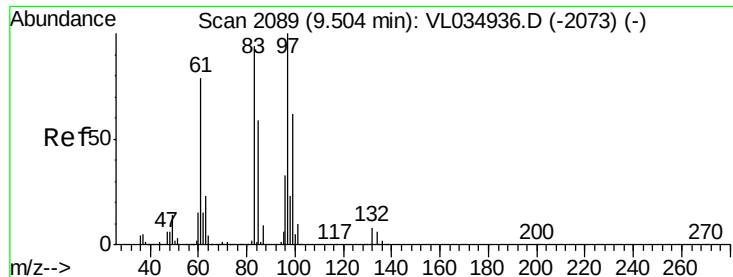
MMDadoda
5/7/2020 2:31:44 PM



#46
cis-1,3-Dichloropropene
Concen: 0.394 ppbv m
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 75 Resp: 45226
Ion Ratio Lower Upper
75 100
39 48.1 51.5 77.3#
77 35.8 25.5 38.3





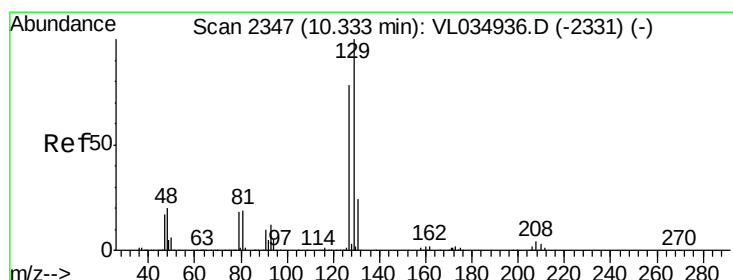
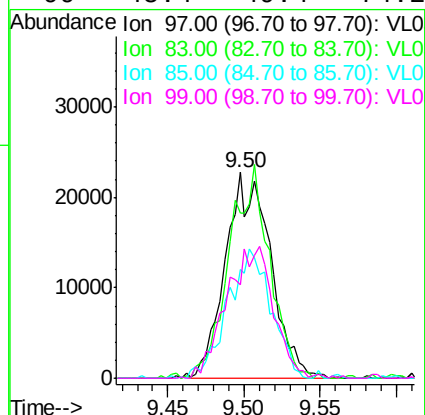
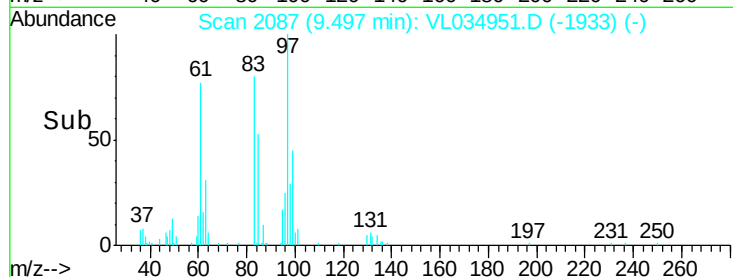
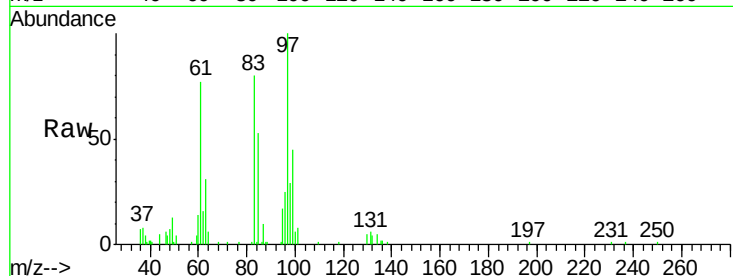
#47
 1,1,2-Trichloroethane
 Concen: 0.501 ppbv m
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.0	75.6	113.4
85	52.9	47.0	70.6
99	45.4	49.4	74.2#

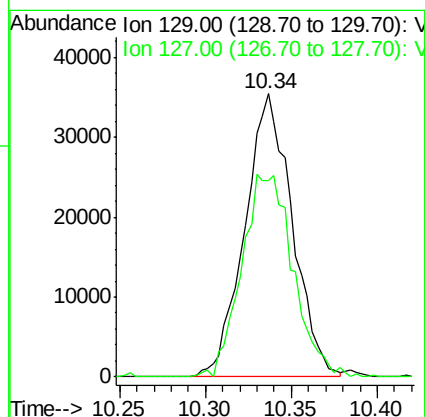
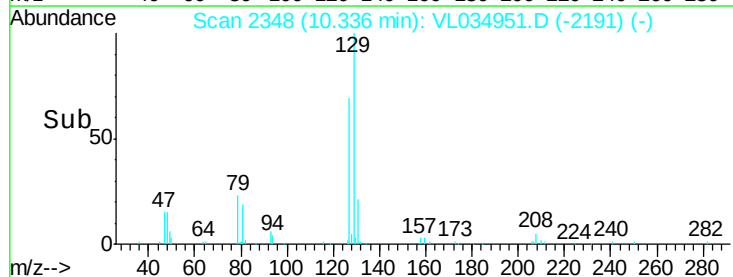
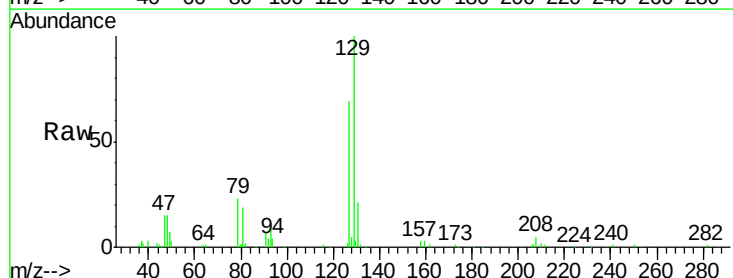
Manual Integrations
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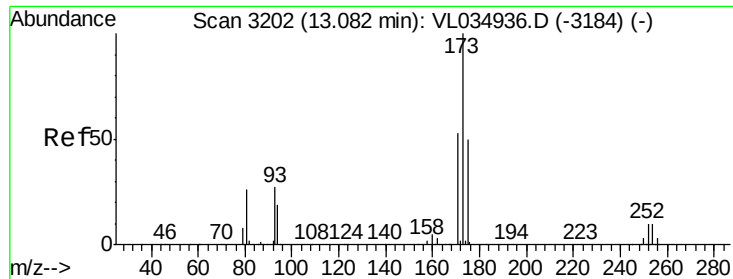
MMDadoda
 5/7/2020 2:31:44 PM



#48
 Dibromochloromethane
 Concen: 0.477 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.2





#49

Bromoform

Concen: 0.453 ppbv m

RT: 13.08 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

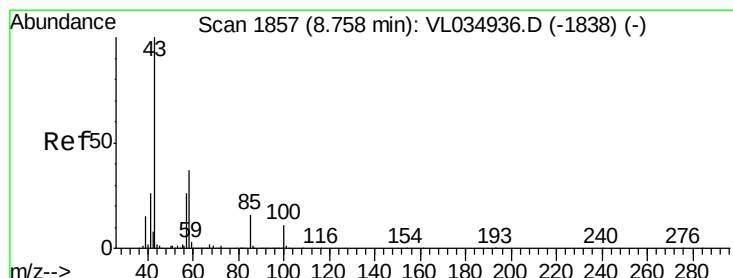
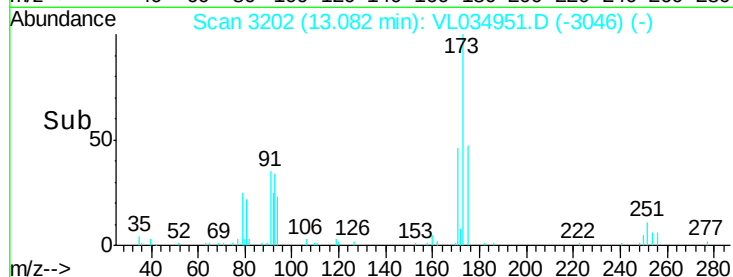
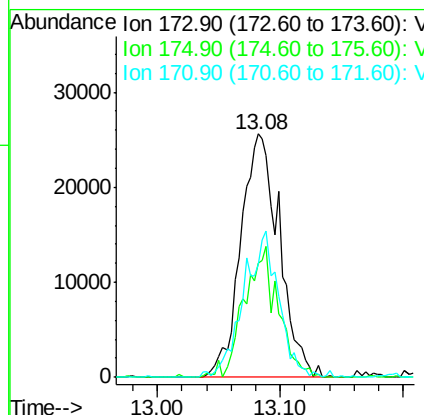
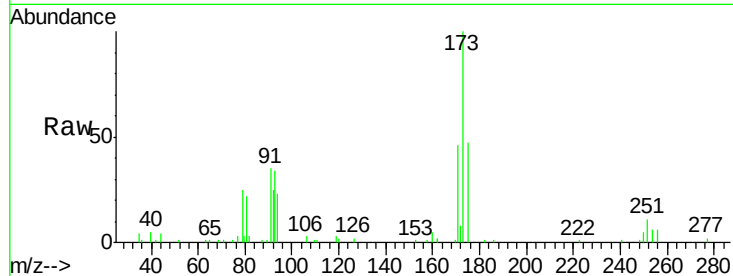
ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:	173	Resp:	55660
Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.0	58.6
171	54.6	41.4	62.2

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.424 ppbv

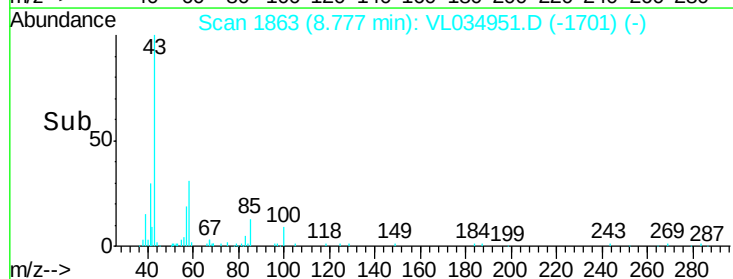
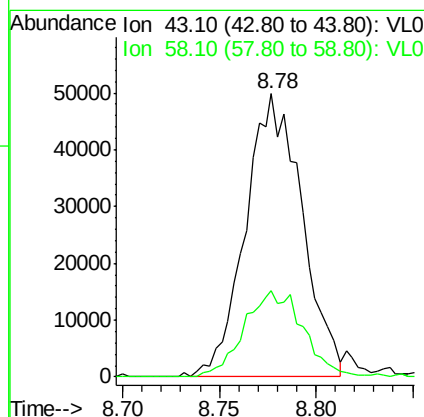
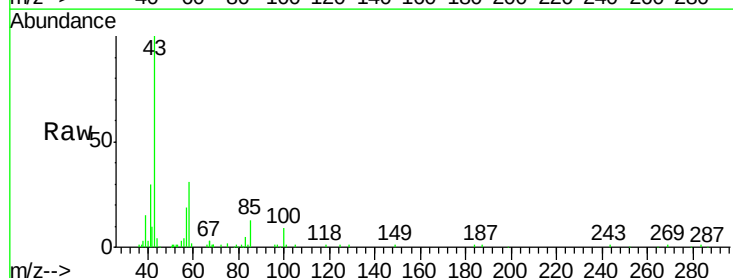
RT: 8.78 min Scan# 1863

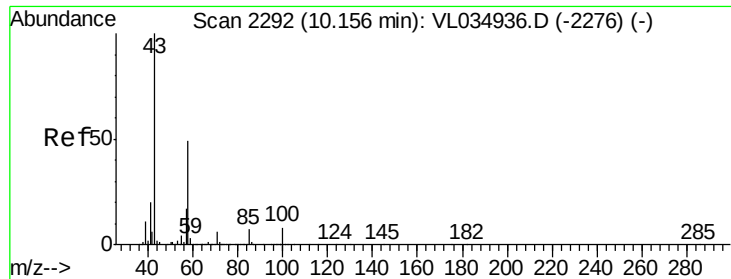
Delta R.T. 0.02 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Tgt Ion:	43	Resp:	100003
Ion	Ratio	Lower	Upper
43	100		
58	32.5	29.1	43.7





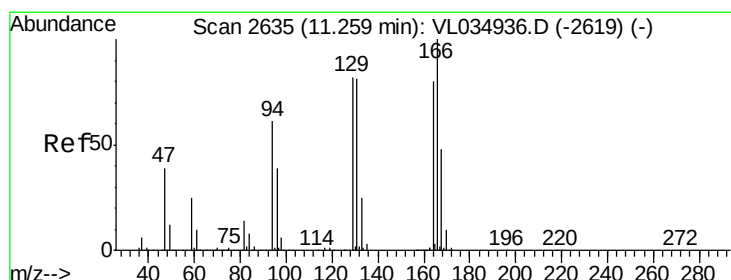
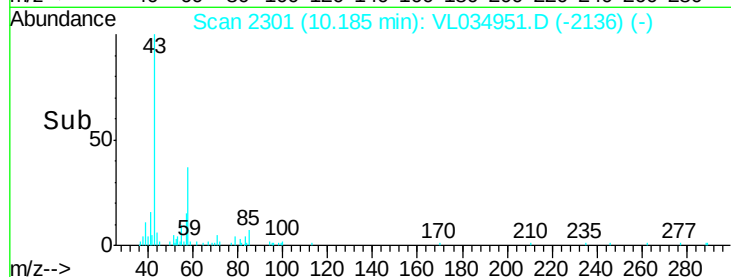
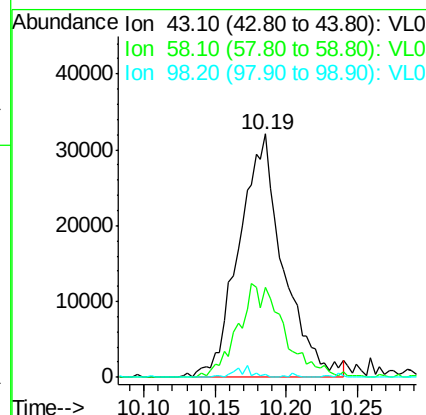
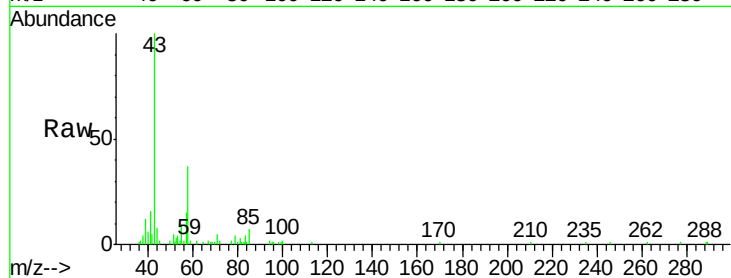
#51
 2-Hexanone
 Concen: 0.375 ppbv m
 RT: 10.19 min Scan# 2301
 Delta R.T. 0.03 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.1	58.7#
98	0.0	0.3	0.5#

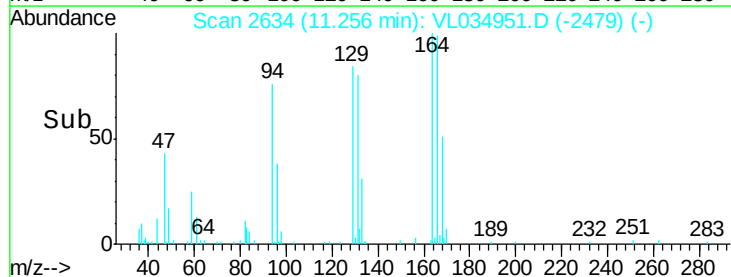
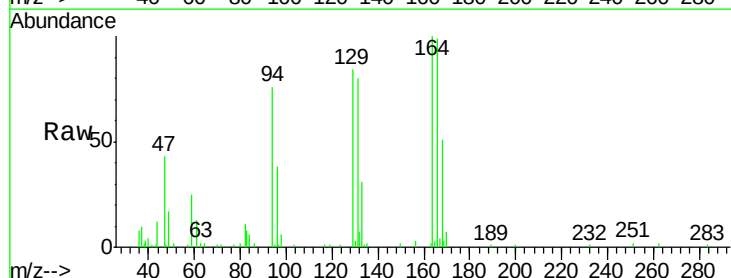
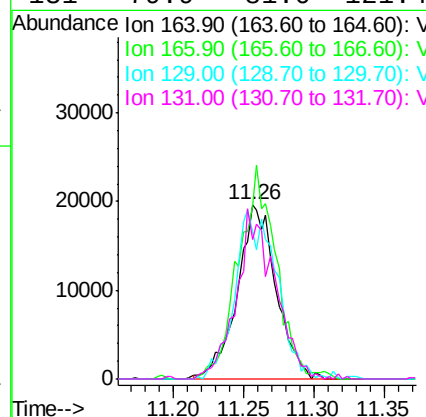
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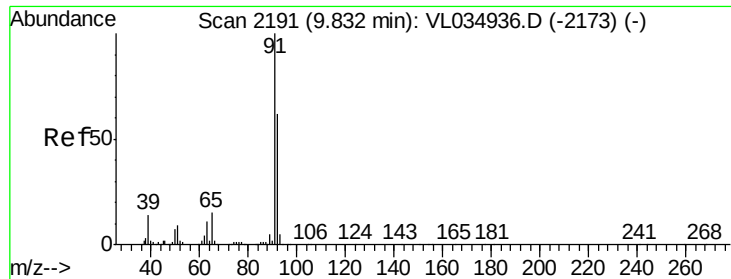
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#52
 Tetrachloroethene
 Concen: 0.485 ppbv m
 RT: 11.26 min Scan# 2634
 Delta R.T. -0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	98.8	100.7	151.1#
129	84.2	83.0	124.4
131	79.9	81.0	121.4#





#53

Toluene

Concen: 0.355 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 91 Resp: 82524

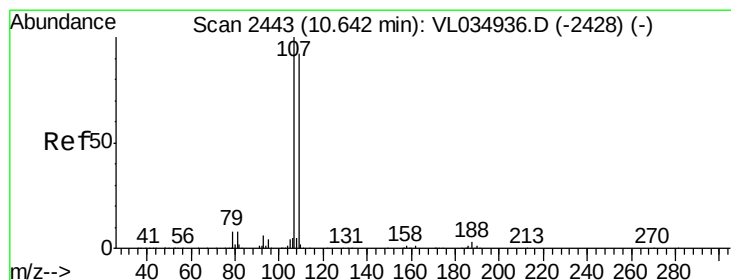
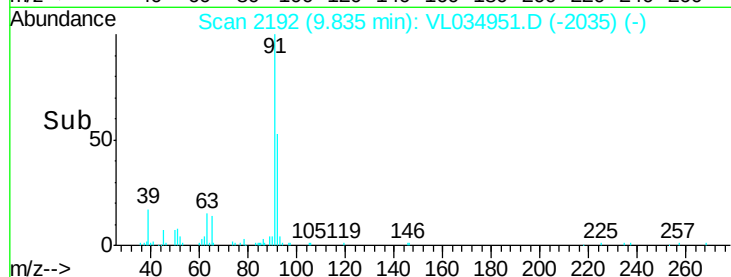
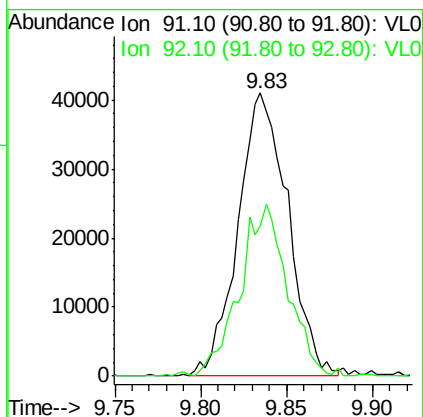
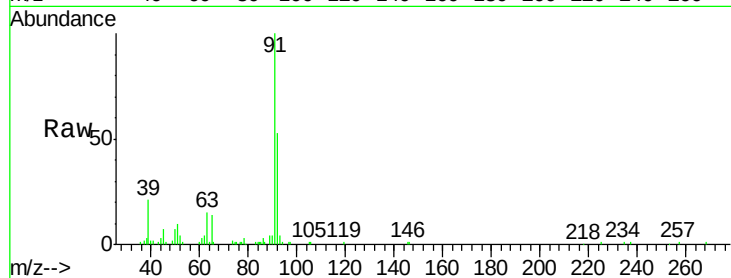
Ion Ratio Lower Upper

91 100

92 58.5 48.6 73.0

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.473 ppbv m

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034951.D

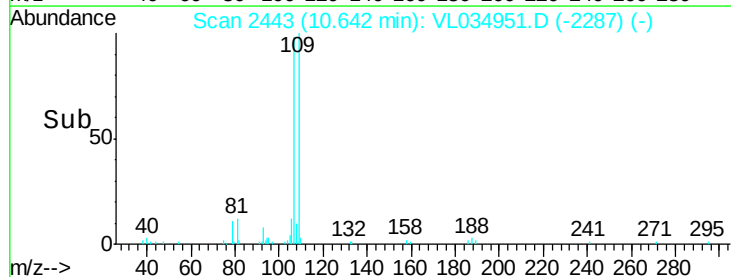
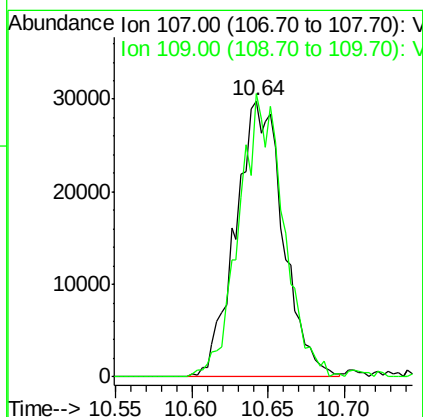
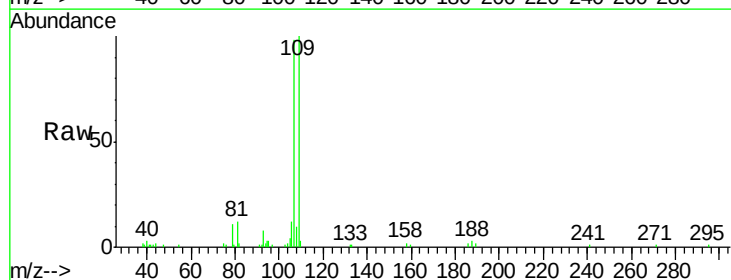
Acq: 7 May 2020 2:03

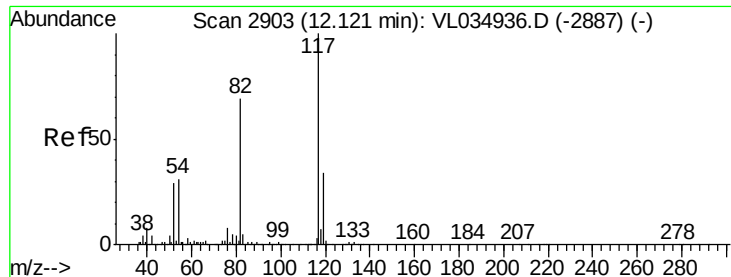
Tgt Ion: 107 Resp: 64511

Ion Ratio Lower Upper

107 100

109 102.5 73.2 109.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:117 Resp: 2461870

Ion Ratio Lower Upper

117 100

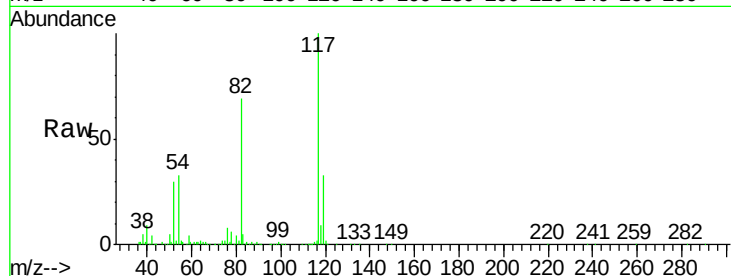
82 69.3 53.1 79.7

119 33.4 26.7 40.1

Manual Integrations
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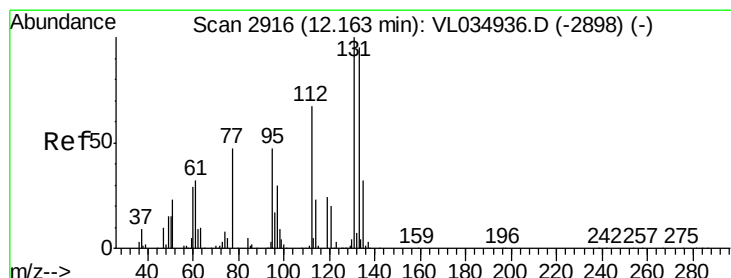
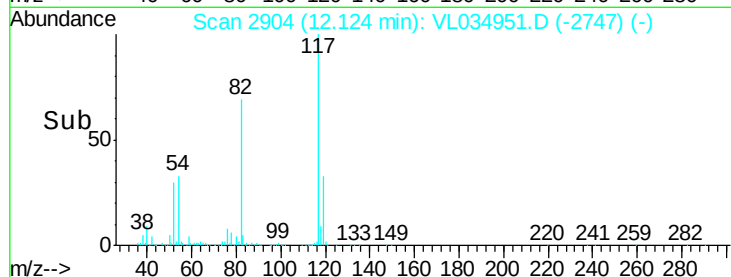
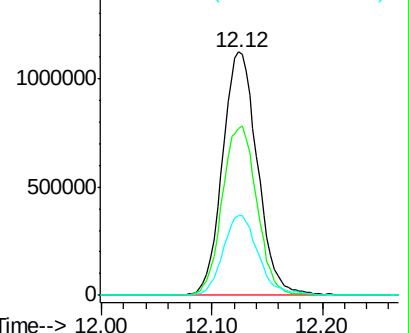
5/7/2020 2:31:44 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.574 ppbv m

RT: 12.17 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

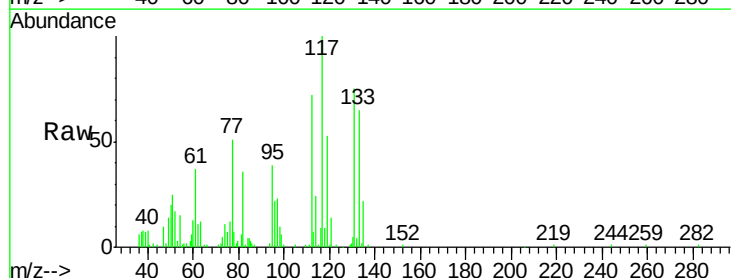
Tgt Ion:131 Resp: 63715

Ion Ratio Lower Upper

131 100

133 0.0 77.7 116.5#

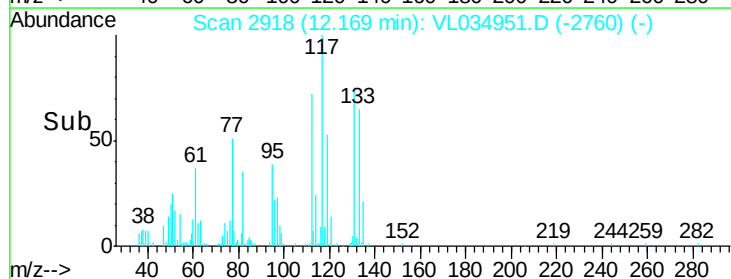
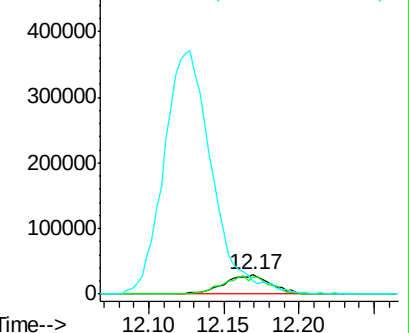
119 0.0 49.8 74.6#

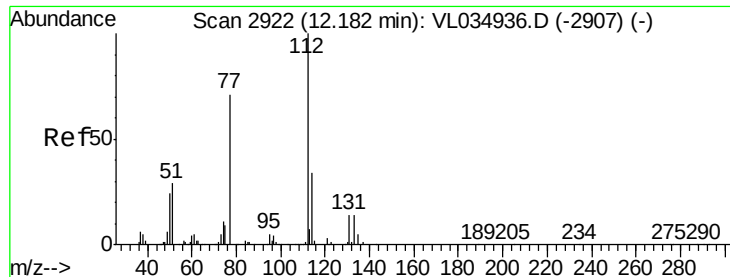


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.563 ppbv m

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

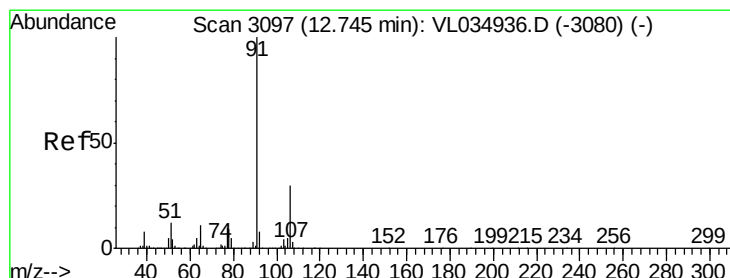
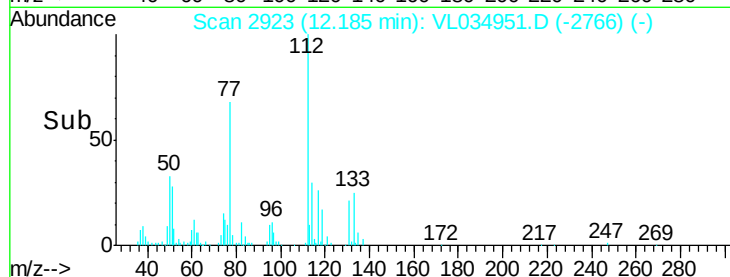
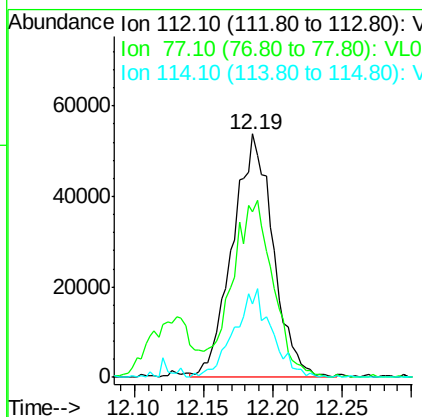
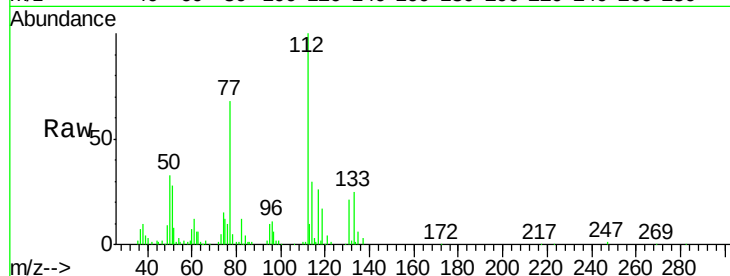
ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:	112	Resp:	109863
Ion Ratio	Lower	Upper	
112	100		
77	68.0	57.0	85.6
114	30.1	30.8	37.6#

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#58

Ethyl Benzene

Concen: 0.379 ppbv

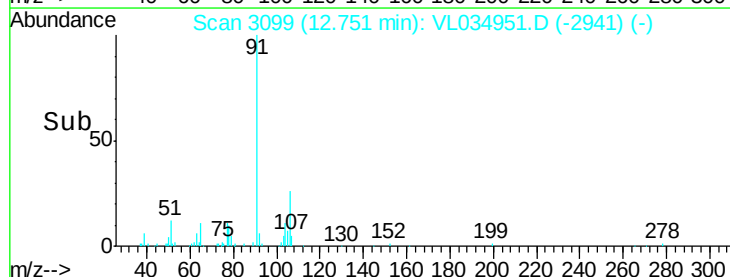
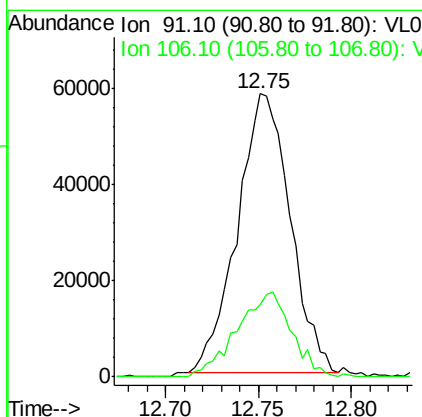
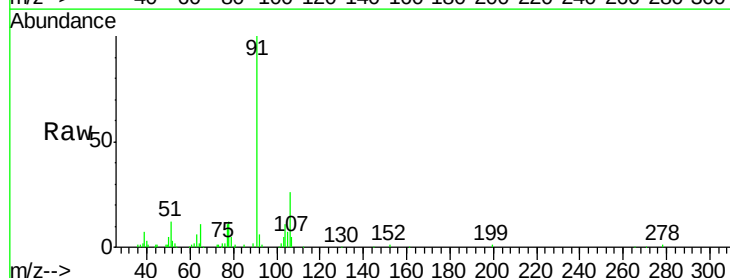
RT: 12.75 min Scan# 3099

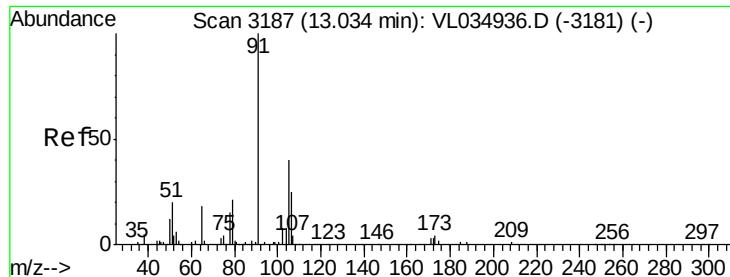
Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Tgt Ion:	91	Resp:	115496
Ion Ratio	Lower	Upper	
91	100		
106	25.9	24.2	36.4





#59

m/p-Xylene

Concen: 0.910 ppbv m

RT: 13.04 min Scan# 3189

Delta R.T. 0.01 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 91 Resp: 243669

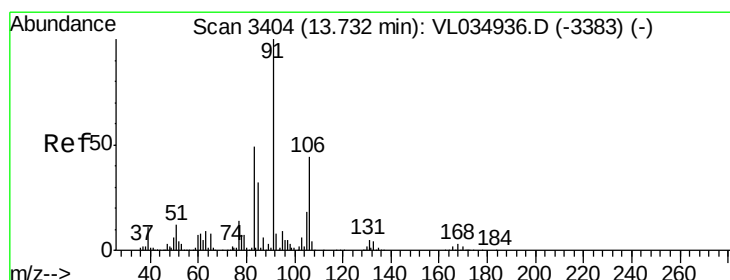
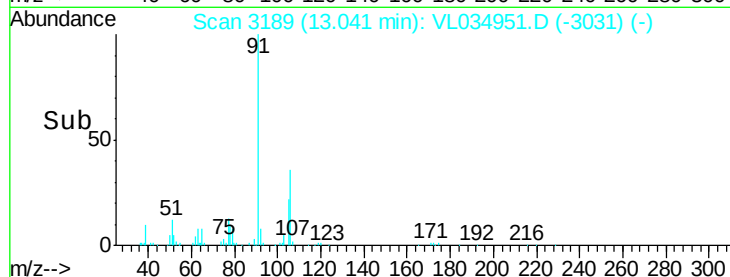
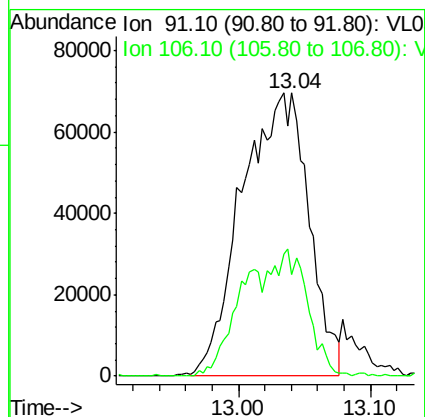
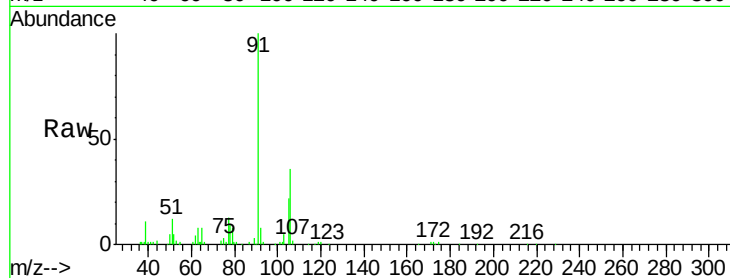
Ion Ratio Lower Upper

91 100

106 42.6 66.0 99.0#

Manual Integrations
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5/7/2020 2:31:44 PM



#60

o-Xylene

Concen: 0.449 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. 0.01 min

Lab File: VL034951.D

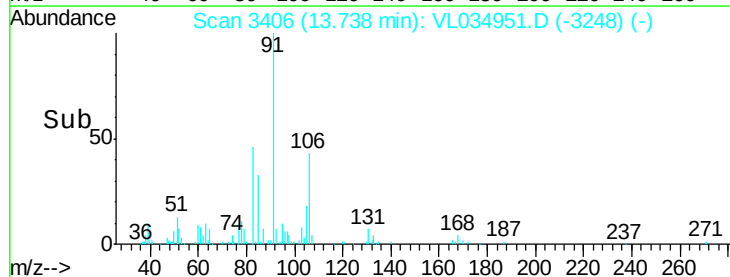
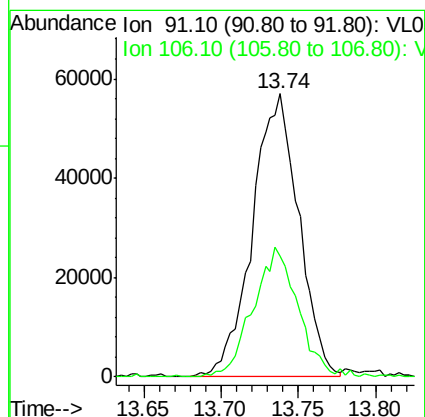
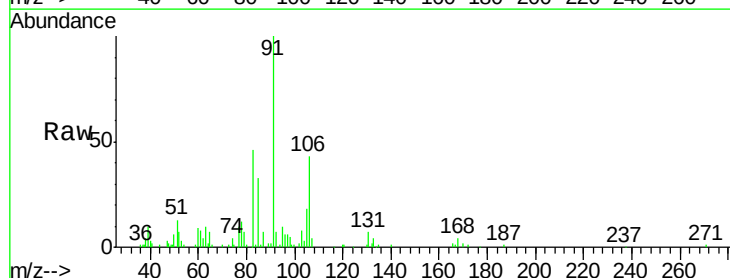
Acq: 7 May 2020 2:03

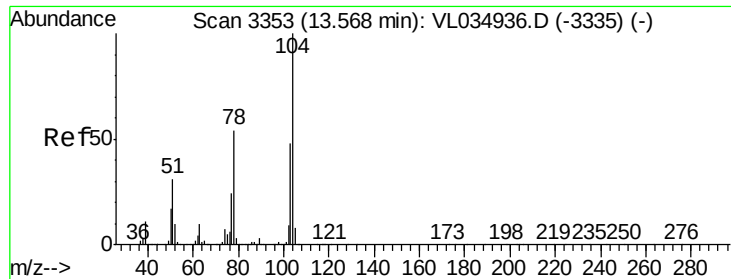
Tgt Ion: 91 Resp: 118668

Ion Ratio Lower Upper

91 100

106 45.0 21.9 65.5





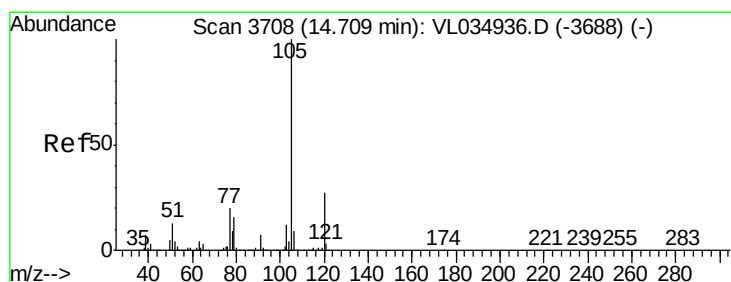
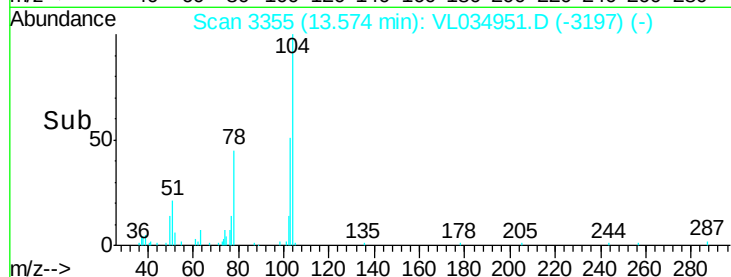
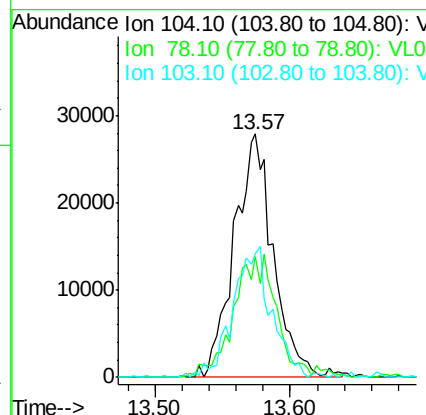
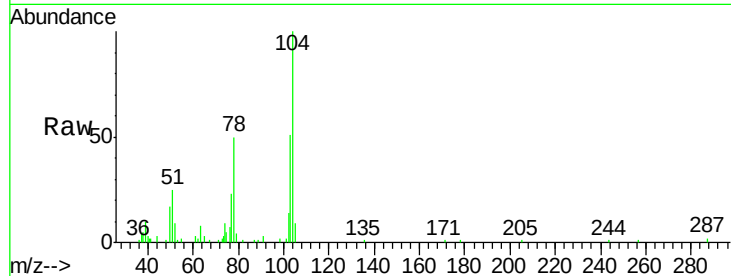
#61
Stvrene
Concen: 0.335 ppbv m
RT: 13.57 min Scan# 3353
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	56036		
78	56.6		43.7	65.5
103	53.5		38.8	58.2

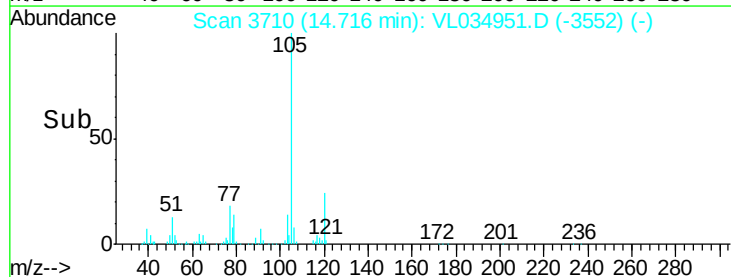
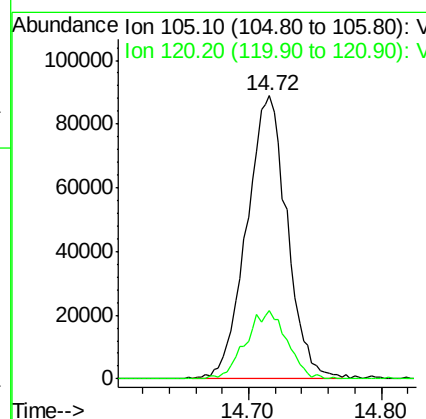
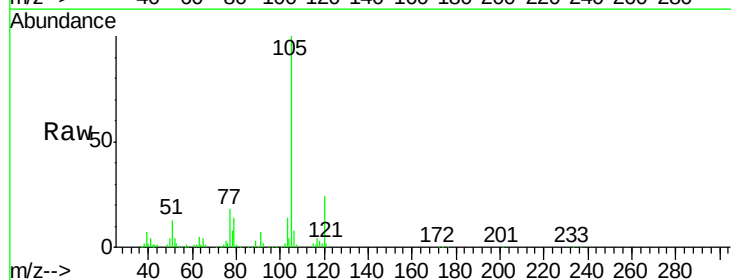
Manual Integrations
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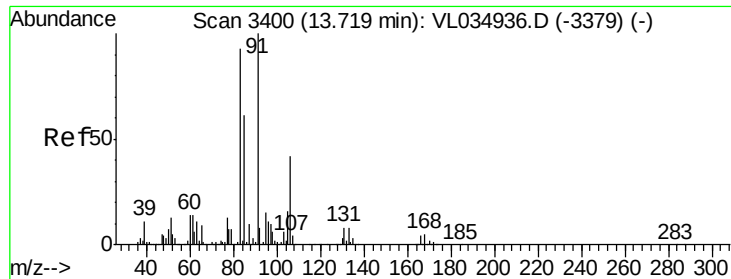
MMDadoda
5/7/2020 2:31:44 PM



#62
Isopropylbenzene
Concen: 0.477 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188291		
120	24.6		20.6	31.0





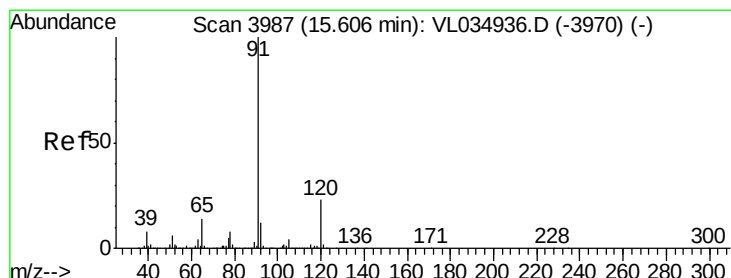
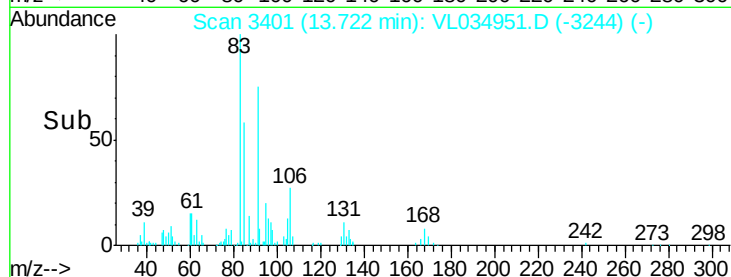
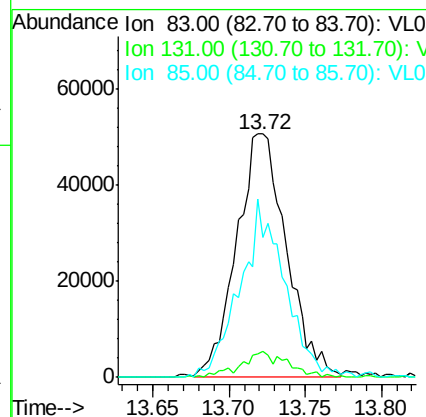
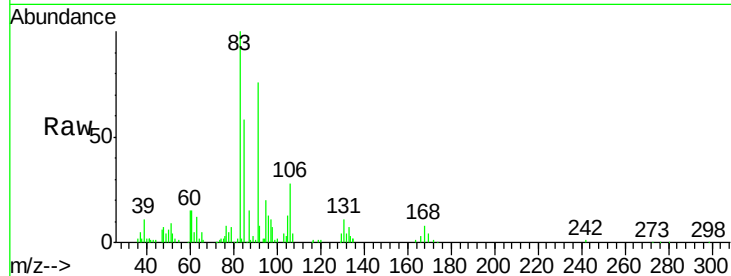
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.554 ppbv m
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	83	Resp	115325
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.7	14.0
85	65.1	32.5	97.4

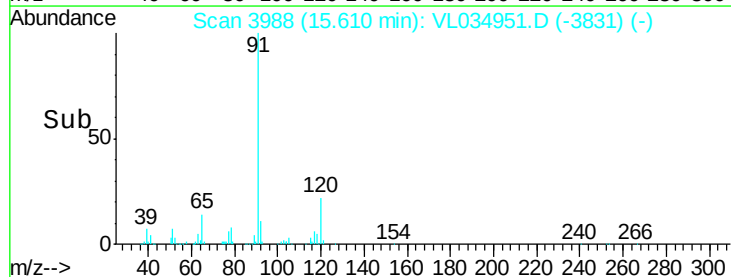
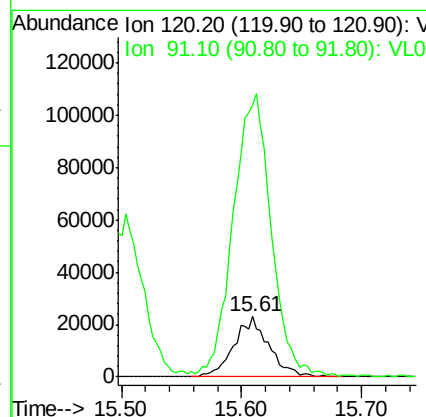
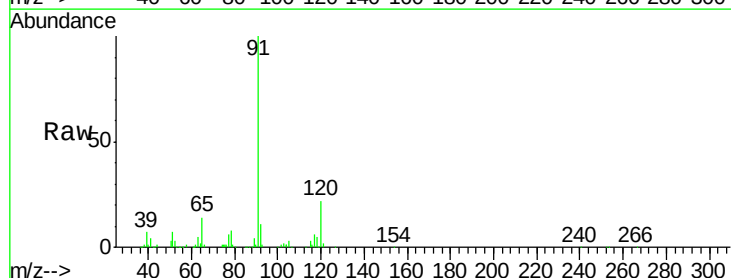
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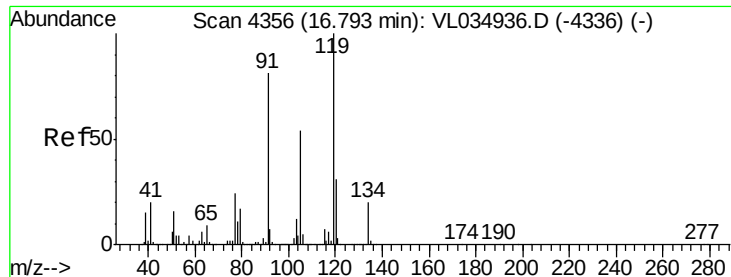
MMDadoda
 5/7/2020 2:31:44 PM



#64
 n-propylbenzene
 Concen: 0.459 ppbv m
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	120	Resp	46444
Ion	Ratio	Lower	Upper
120	100		
91	515.4	373.5	560.3





#65

tert-Butylbenzene

Concen: 0.434 ppbv m

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:119 Resp: 148480
Ion Ratio Lower Upper

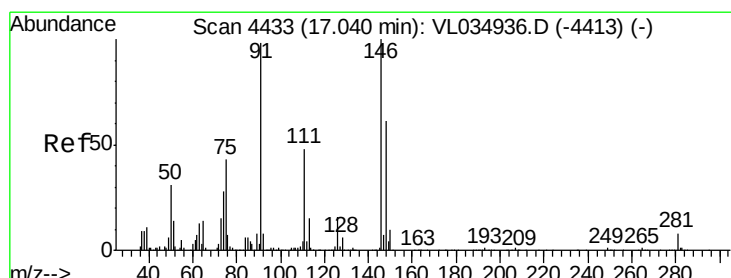
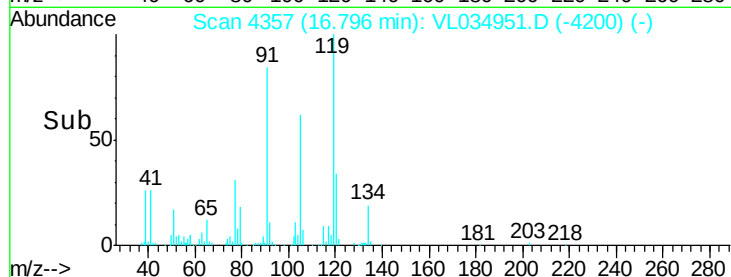
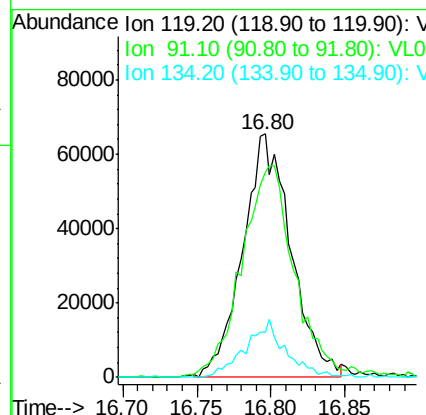
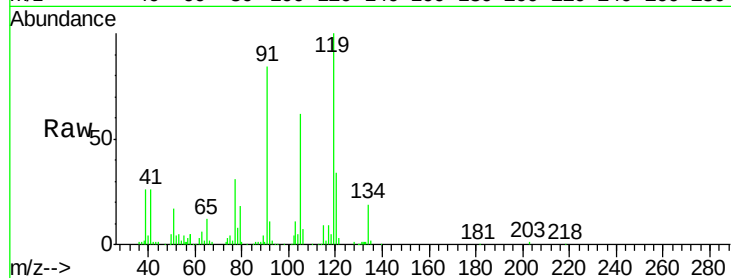
119 100

91 0.0 67.5 101.3#

134 0.0 16.1 24.1#

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5/7/2020 2:31:44 PM



#66

Benzyl Chloride

Concen: 0.410 ppbv m

RT: 17.04 min Scan# 4434

Delta R.T. 0.00 min

Lab File: VL034951.D

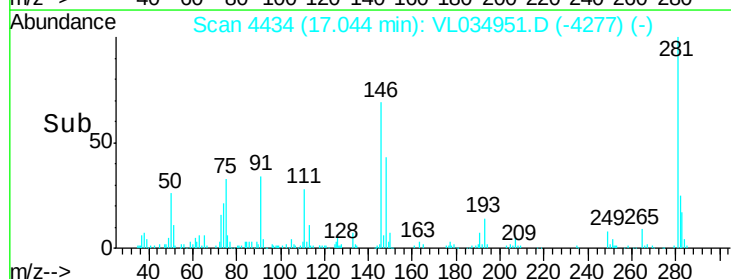
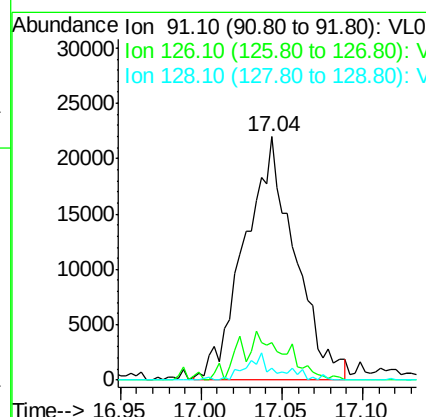
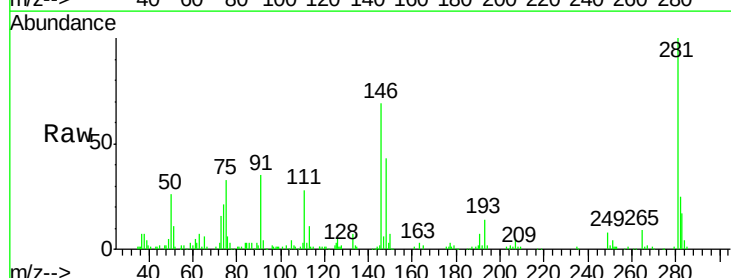
Acq: 7 May 2020 2:03

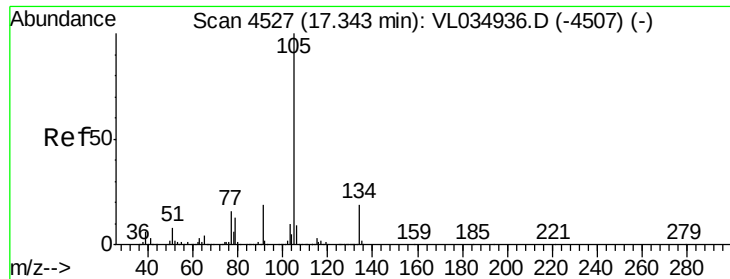
Tgt Ion: 91 Resp: 47650
Ion Ratio Lower Upper

91 100

126 19.4 13.8 20.6

128 6.6 4.3 6.5#





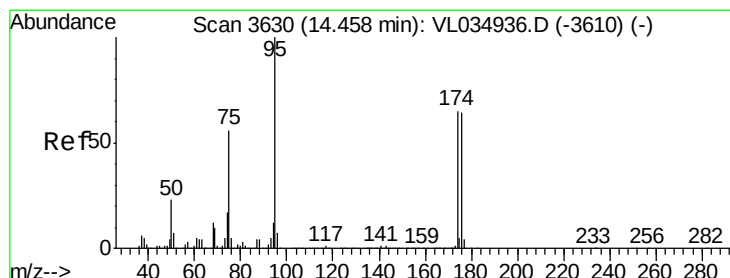
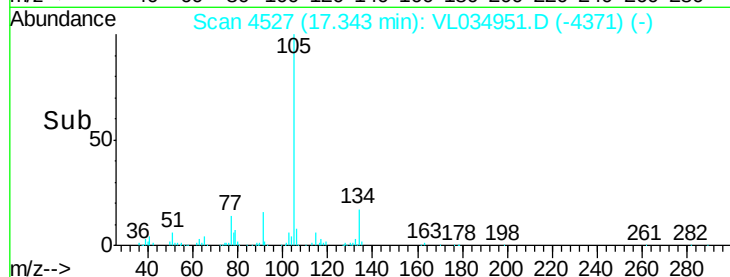
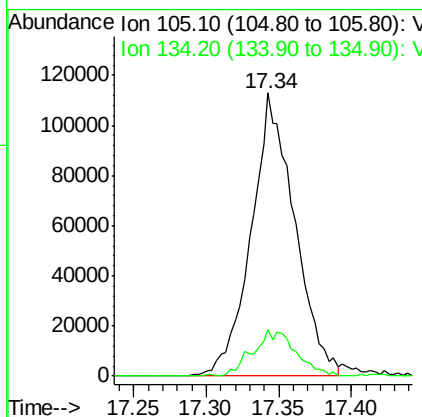
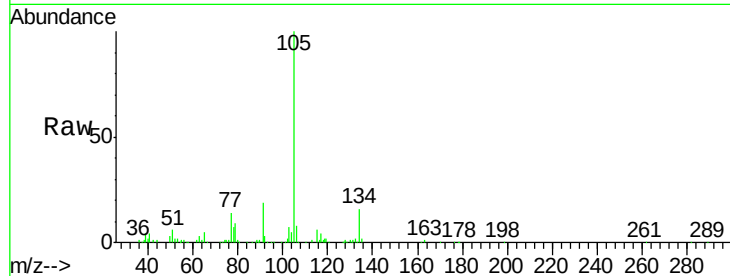
#67
 sec-Butylbenzene
 Concen: 0.481 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	235112		
134	16.6	14.8	22.2	

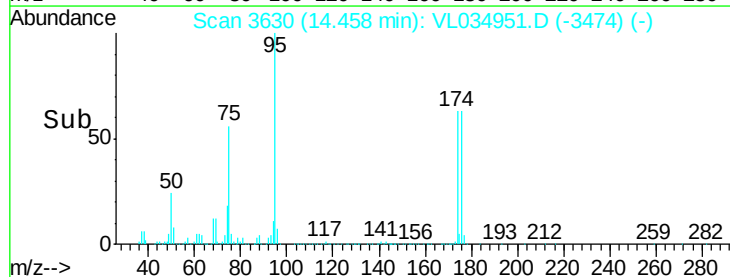
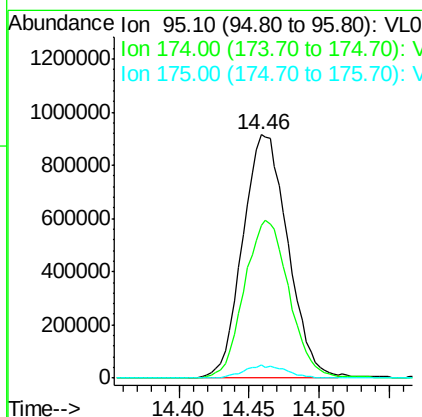
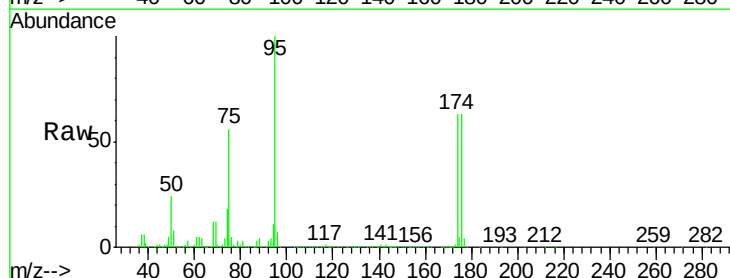
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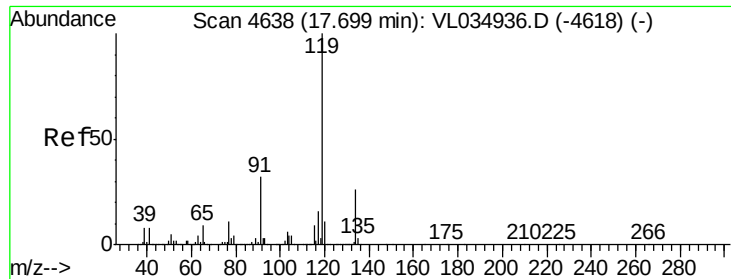
MMDadoda
 5/7/2020 2:31:44 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.286 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	2049701		
174	65.1	51.5	77.3	
175	5.0	3.8	5.8	





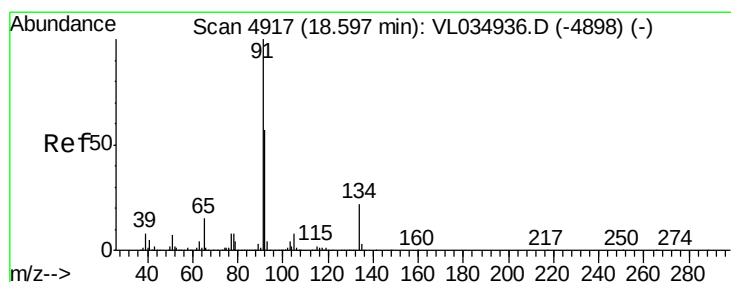
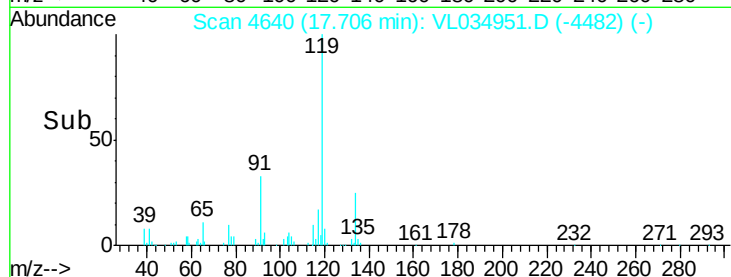
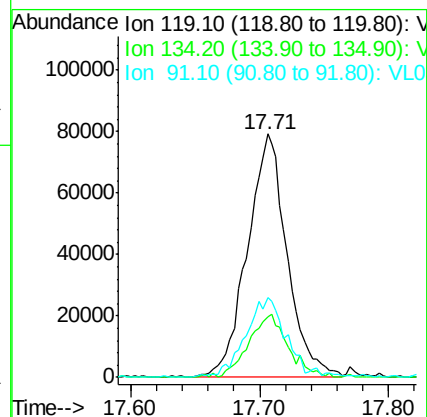
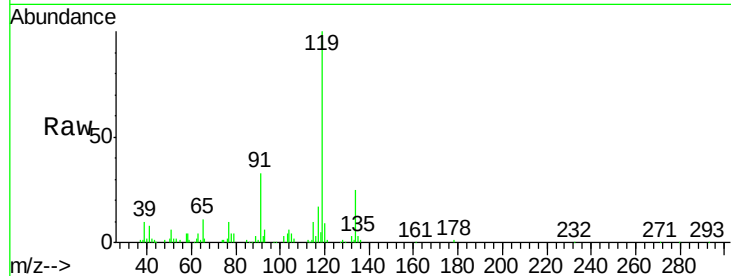
#69
 p-Isopropyltoluene
 Concen: 0.429 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion:	119	Resp:	169603
Ion Ratio		Lower	Upper
119	100		
134	26.0	20.3	30.5
91	34.5	24.6	36.8

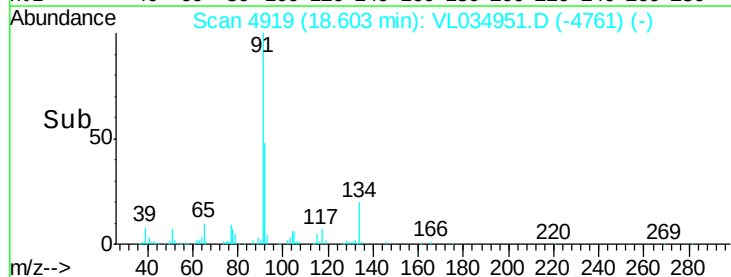
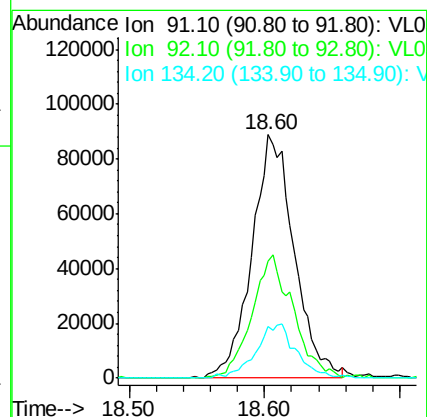
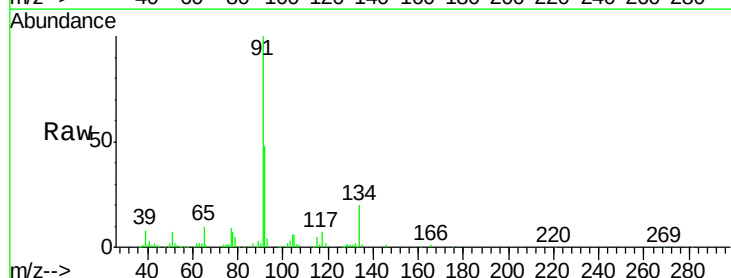
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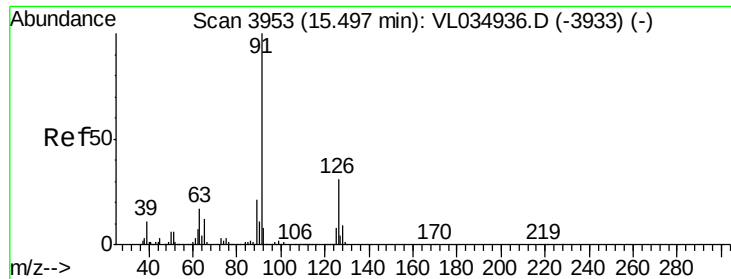
MMDadoda
 5/7/2020 2:31:44 PM



#70
 n-Butylbenzene
 Concen: 0.460 ppbv m
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion:	91	Resp:	193546
Ion Ratio		Lower	Upper
91	100		
92	49.7	44.4	66.6
134	0.0	18.0	27.0#





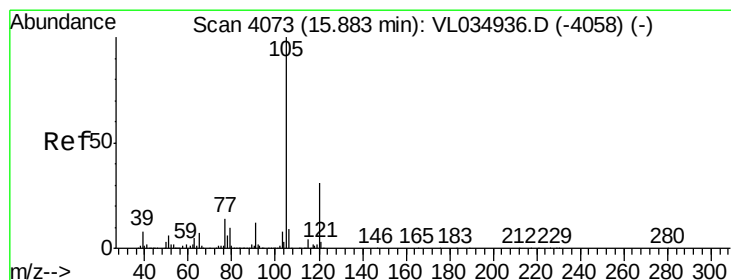
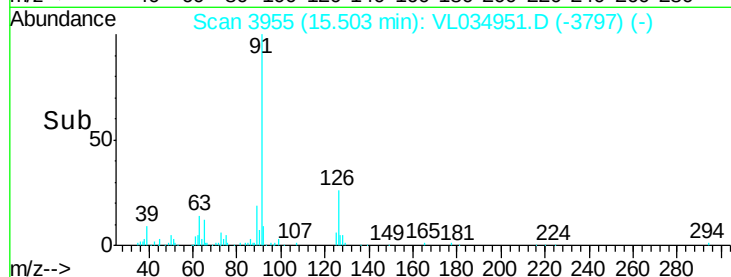
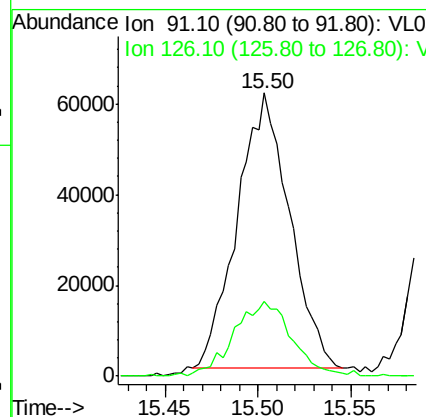
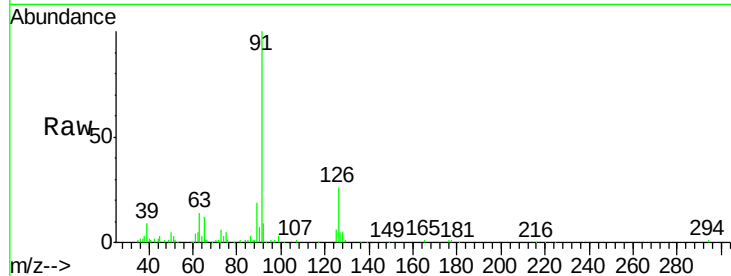
#71
 2-Chlorotoluene
 Concen: 0.400 ppbv
 RT: 15.50 min Scan# 3955
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.0	47.8

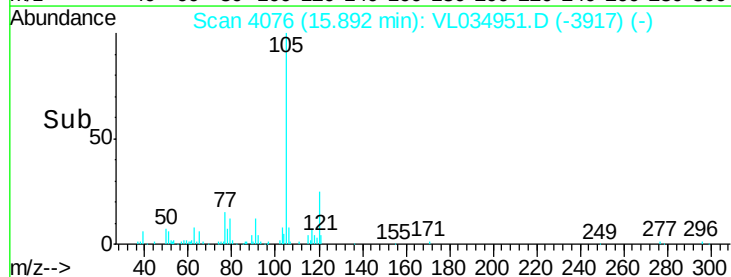
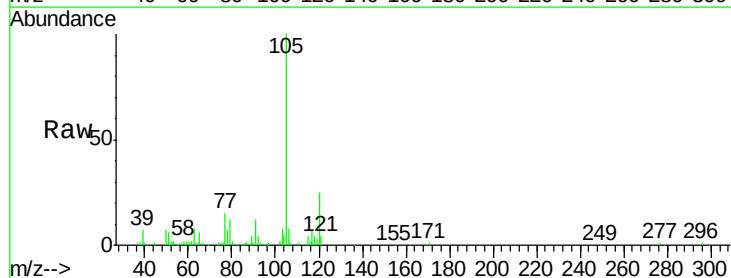
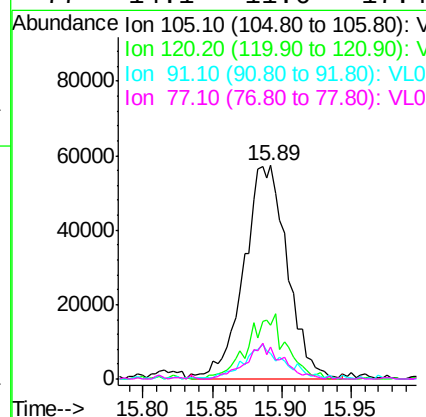
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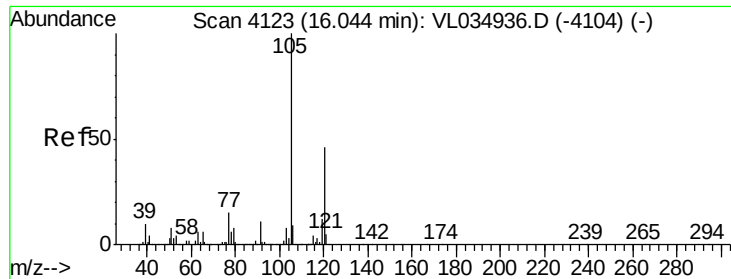
MMDadoda
 5/7/2020 2:31:44 PM



#72
 4-Ethyltoluene
 Concen: 0.427 ppbv m
 RT: 15.89 min Scan# 4076
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	15.9	10.6	15.8#
77	14.1	11.6	17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.435 ppbv m

RT: 16.04 min Scan# 4123

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:105 Resp: 124959

Ion Ratio Lower Upper

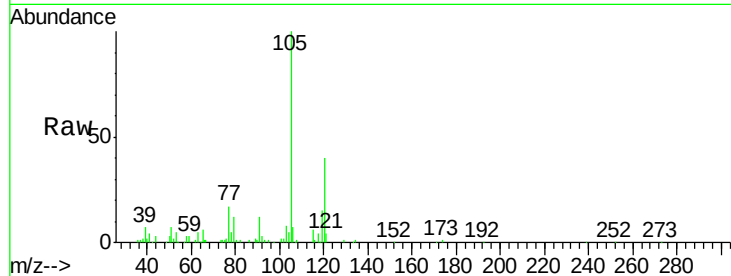
105 100

120 40.0 36.4 54.6

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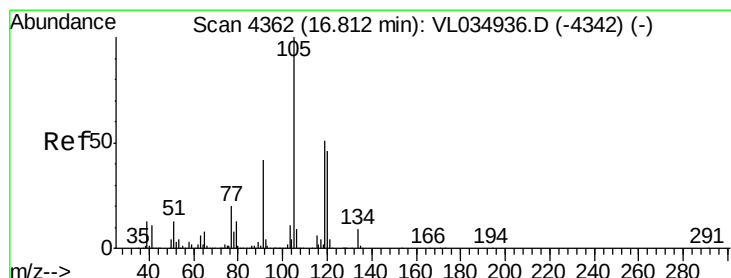
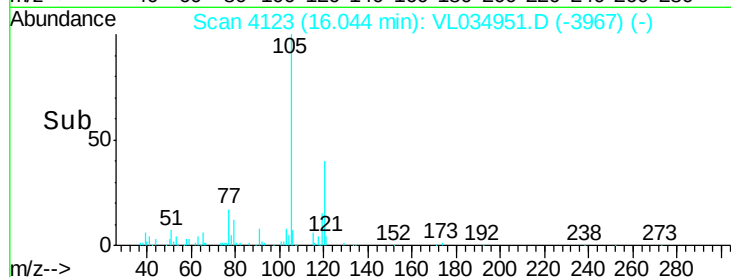
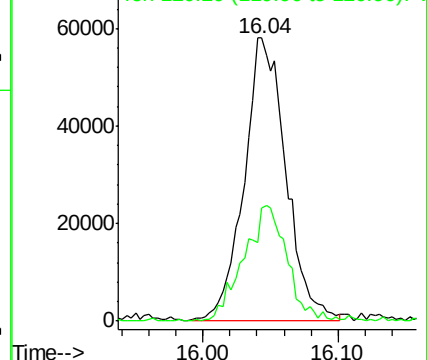
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.490 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.00 min

Lab File: VL034951.D

Acq: 7 May 2020 2:03

Tgt Ion:105 Resp: 153542

Ion Ratio Lower Upper

105 100

120 38.2 36.8 55.2

91 36.3 35.4 53.0

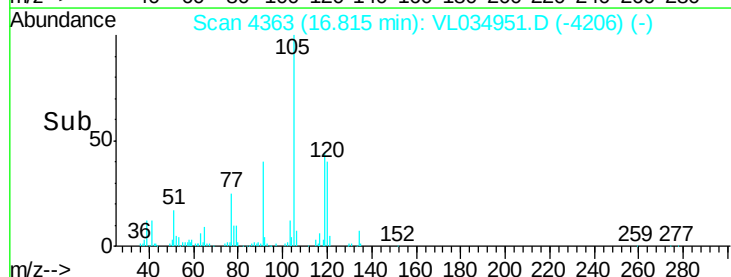
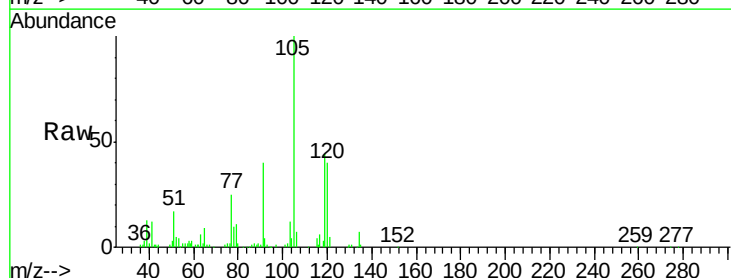
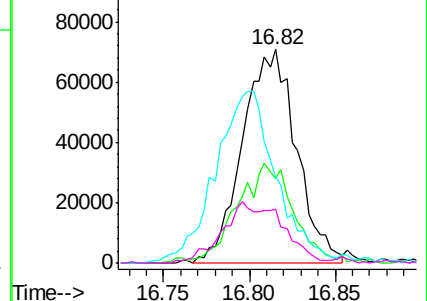
77 23.0 16.2 24.2

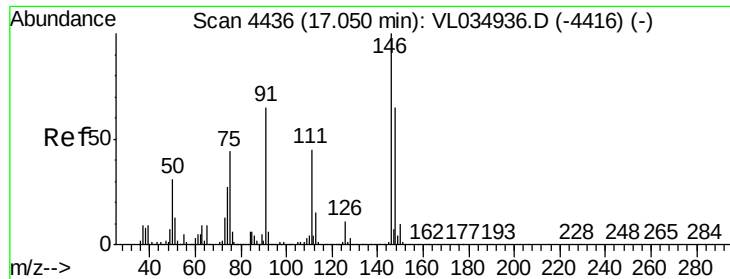
Abundance Ion 105.10 (104.80 to 105.80): V

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





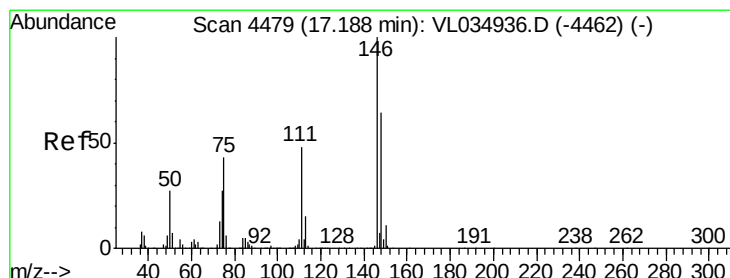
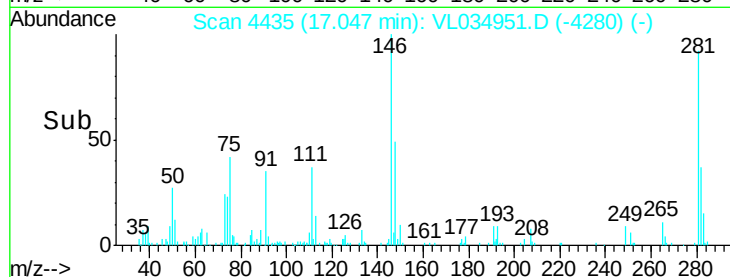
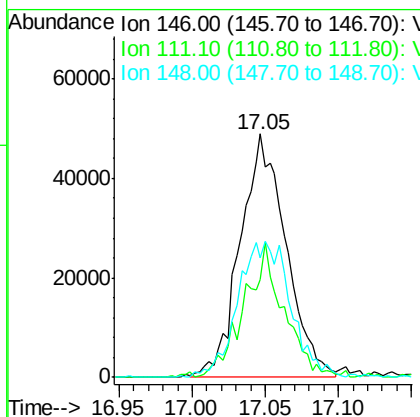
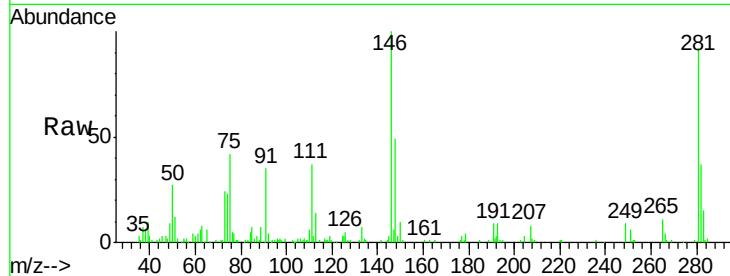
#75
 1,3-Dichlorobenzene
 Concen: 0.580 ppbv m
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.00 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.0	72.0#
148	0.0	32.6	97.7#

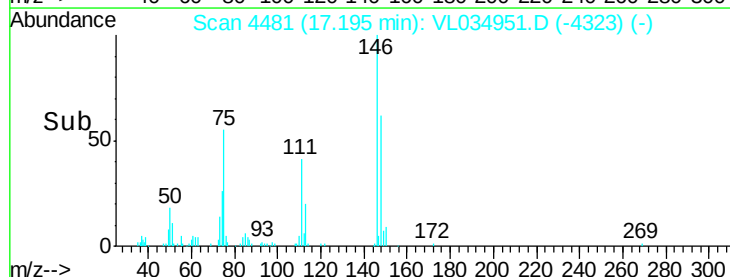
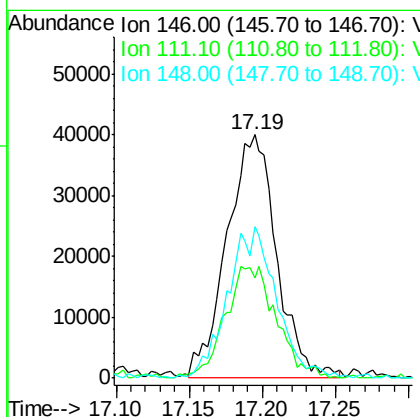
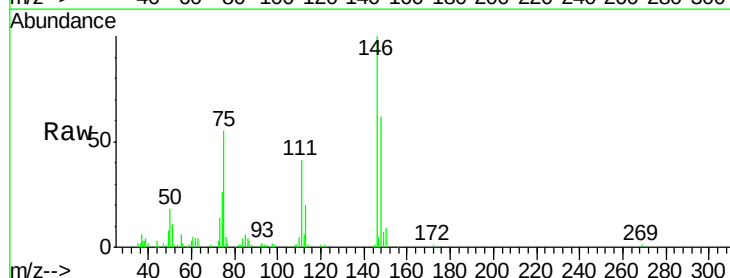
Manual Integrations
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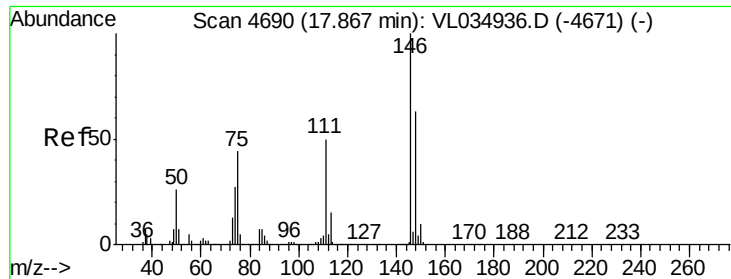
MMDadoda
 5/7/2020 2:31:44 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.542 ppbv m
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.7	71.1
148	61.1	32.6	97.8





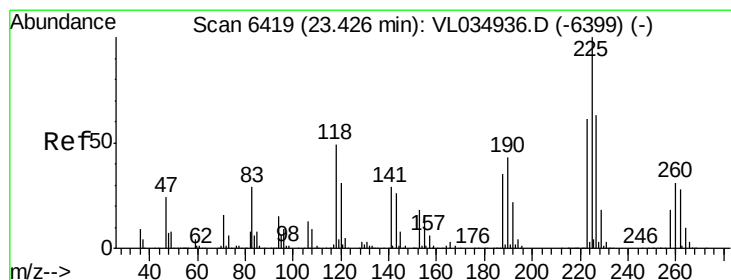
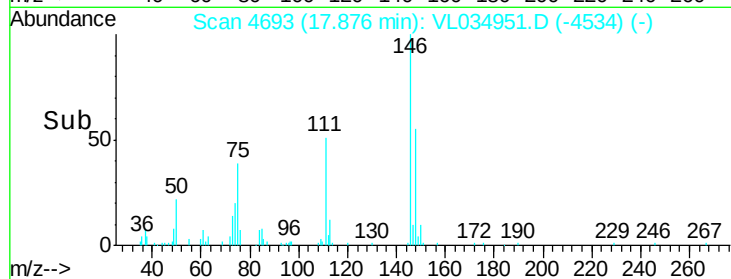
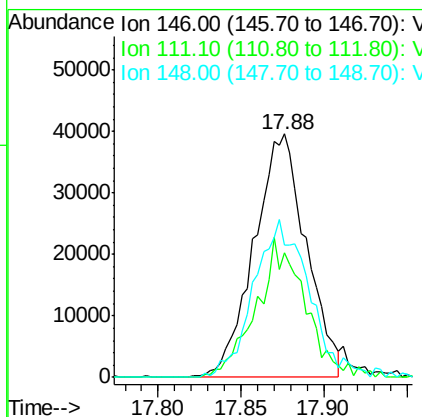
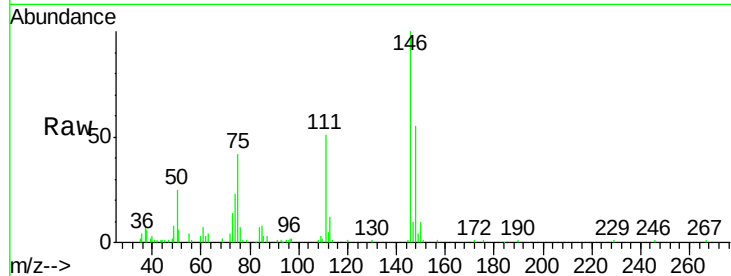
#77
 1,2-Dichlorobenzene
 Concen: 0.502 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.6	24.5	73.5
148	68.9	31.7	95.1

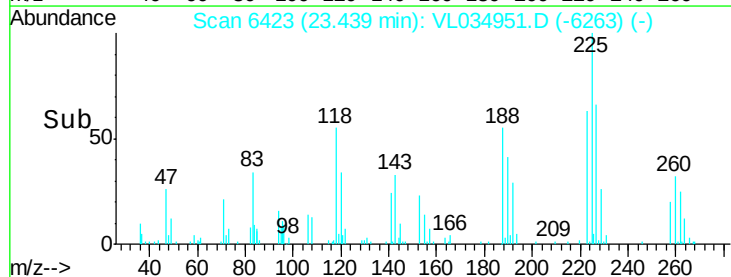
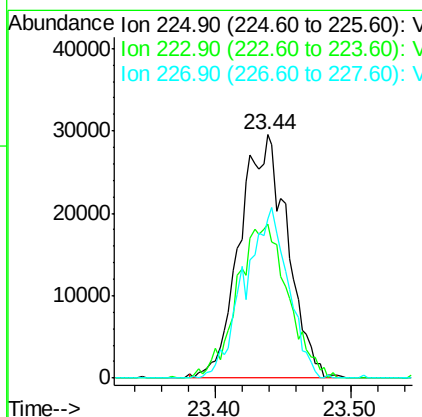
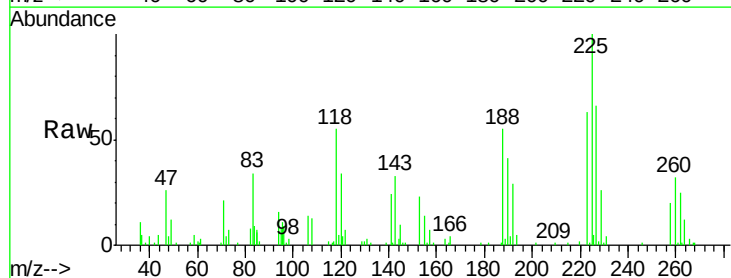
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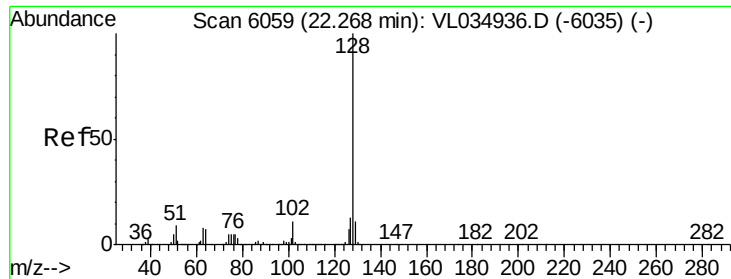
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.489 ppbv m
 RT: 23.44 min Scan# 6423
 Delta R.T. 0.01 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	49.8	74.8#
227	0.0	51.8	77.6#





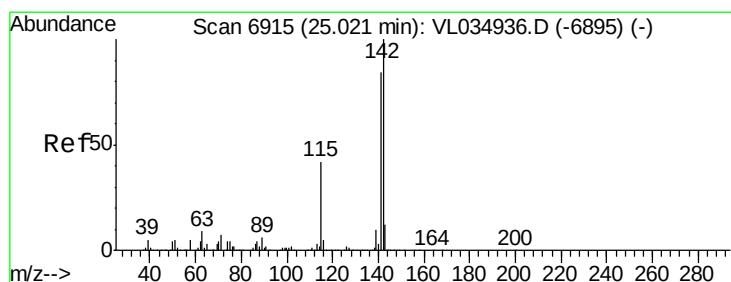
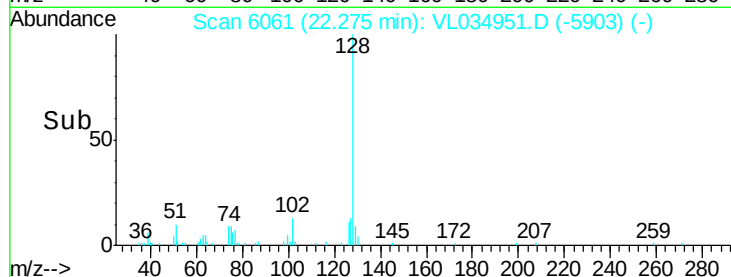
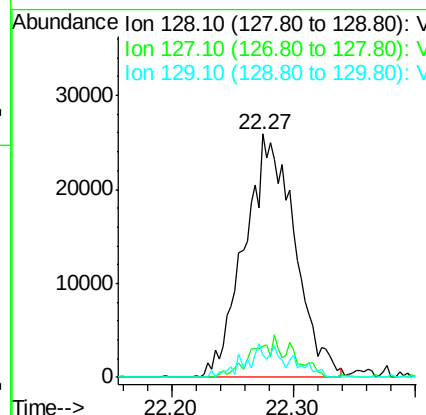
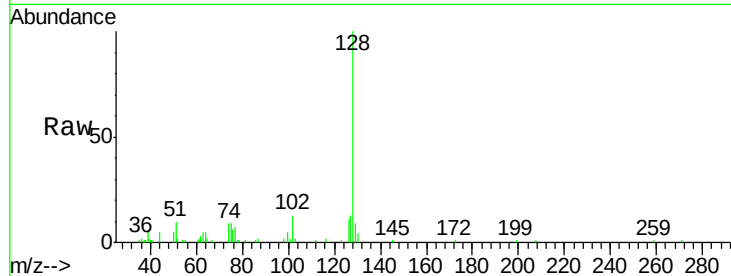
#79
Naphthalene
Concen: 0.305 ppbv m
RT: 22.27 min Scan# 6061
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	8.9	9.0	13.4#

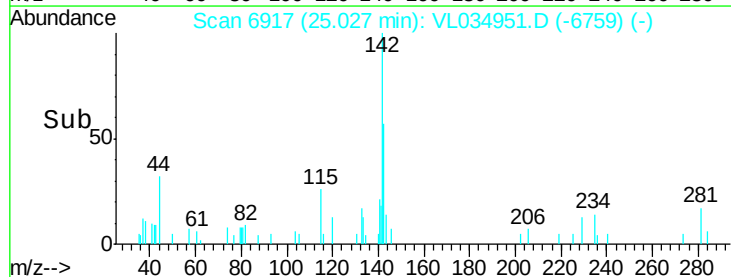
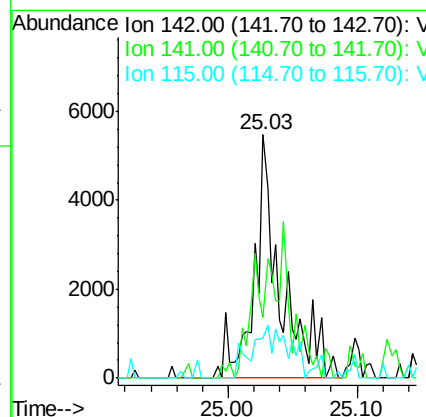
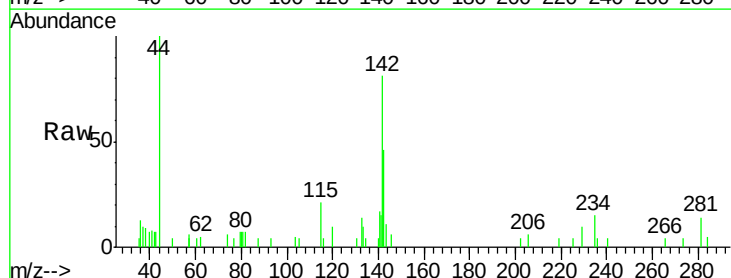
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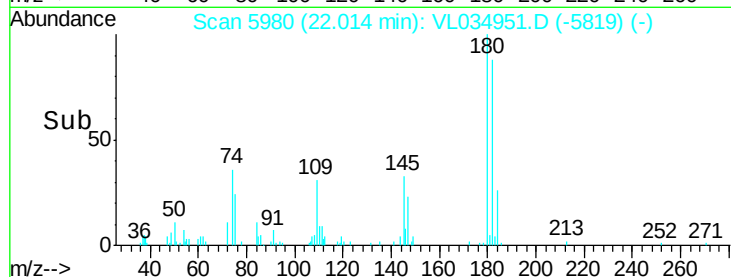
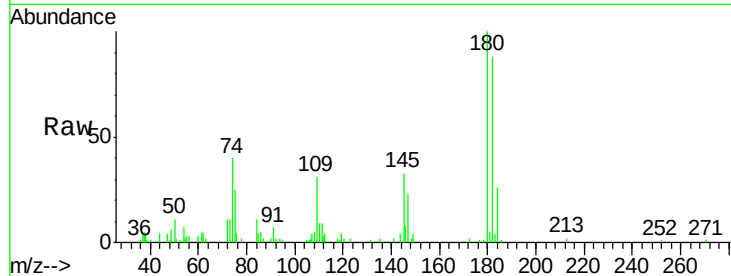
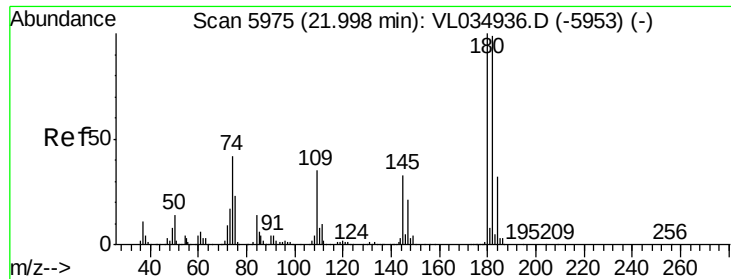
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#80
Naphthalene, 2-methyl-
Concen: 0.126 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	68.6	102.8
115	33.7	33.9	50.9#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.411 ppbv m
 RT: 22.01 min Scan# 5980
 Delta R.T. 0.02 min
 Lab File: VL034951.D
 Acq: 7 May 2020 2:03

Tot Ion:	180	Resp:	60774
Ion Ratio	Lower	Upper	
180	100		
182	91.6	77.5	116.3
184	30.0	24.8	37.2

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

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