

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034859.D
 Acq On : 10 Mar 2020 4:21
 Operator : SY/AP
 Sample : L1161-13 0.1 LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:23 PM

Quant Time: Mar 11 14:24:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	879204	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1967025	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1916548	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1557729	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	19199m	0.159	ppbv	
3) Chlorodifluoromethane	2.95	51	10961	0.112	ppbv #	85
4) Chloromethane	3.11	50	6448m	0.116	ppbv	
5) Vinyl Chloride	3.22	62	6539m	0.123	ppbv	
6) Bromomethane	3.45	94	4056m	0.131	ppbv	
7) Chloroethane	3.53	64	2504m	0.130	ppbv	
8) Dichlorotetrafluoroethane	3.15	85	15279	0.122	ppbv	100
9) Propene	2.97	41	5205	0.111	ppbv	96
10) Heptane	8.12	43	8395	0.073	ppbv #	73
11) Trichlorofluoromethane	3.92	101	14310	0.112	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	11172m	0.125	ppbv	
13) Ethanol	3.59	45	2443m	0.171	ppbv	
14) Bromoethene	3.71	108	3794m	0.098	ppbv	
15) Acetone	3.85	43	22053m	0.194	ppbv	
16) 1,3-Butadiene	3.29	39	4908	0.095	ppbv	90
17) tert-Butyl alcohol	4.30	59	13754	0.125	ppbv #	94
18) 1,1-Dichloroethene	4.27	96	4801m	0.121	ppbv	
19) Isopropyl Alcohol	3.96	45	10907m	0.152	ppbv	
20) Methylene Chloride	4.32	84	7725m	0.214	ppbv	
21) Allyl Chloride	4.38	41	7416m	0.101	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	4421	0.110	ppbv #	73
23) Vinyl Acetate	5.07	43	13244m	0.079	ppbv	
24) 1,1-Dichloroethane	4.99	63	12763	0.113	ppbv	97
25) Ethyl Acetate	5.68	43	20927m	0.103	ppbv	
26) Hexane	5.67	57	9125m	0.104	ppbv	
27) Carbon Disulfide	4.53	76	8503m	0.086	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	13768m	0.095	ppbv	
29) Chloroform	5.74	83	15822m	0.119	ppbv	
30) Cyclohexane	7.12	84	5338m	0.073	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	9220m	0.103	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	14728m	0.113	ppbv	
34) 2-Butanone	5.25	43	13774m	0.105	ppbv	
35) Carbon Tetrachloride	7.02	117	11169m	0.091	ppbv	
36) Benzene	6.89	78	18660m	0.106	ppbv	
37) 1,2-Dichloroethane	6.30	62	12806m	0.130	ppbv	
38) Trichloroethene	7.83	130	7247m	0.109	ppbv	
39) 1,2-Dichloropropane	7.61	63	7973m	0.115	ppbv	
40) 1,4-Dioxane	7.91	88	2564m	0.098	ppbv	
41) Tetrahydrofuran	6.08	42	7130m	0.101	ppbv	
42) Bromodichloromethane	7.79	83	11247m	0.083	ppbv	
43) Methyl Methacrylate	8.03	69	6164m	0.083	ppbv	

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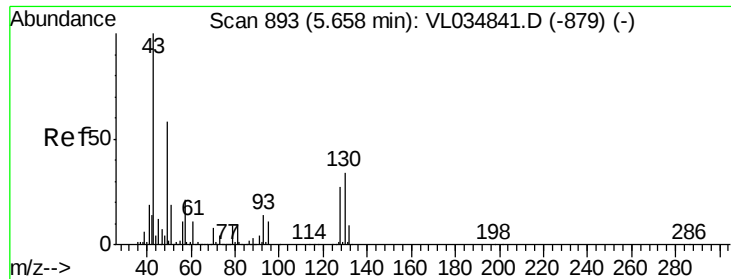
Manual Integrations
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Quant Time: Mar 11 14:24:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	26140m	0.088	ppbv	
45) t-1,3-Dichloropropene	9.30	75	5590m	0.064	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	7456m	0.072	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	8314m	0.117	ppbv	
48) Dibromochloromethane	10.31	129	7172m	0.062	ppbv	
49) Bromoform	13.08	173	5980m	0.058	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	16822m	0.089	ppbv	
51) 2-Hexanone	10.19	43	10556m	0.069	ppbv	
52) Tetrachloroethene	11.23	164	7606m	0.110	ppbv	
53) Toluene	9.82	91	14397m	0.071	ppbv	
54) 1,2-Dibromoethane	10.62	107	10277m	0.096	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	7267m	0.084	ppbv	
57) Chlorobenzene	12.16	112	18355m	0.122	ppbv	
58) Ethyl Benzene	12.73	91	22978m	0.089	ppbv	
59) m/p-Xylene	13.02	91	34949m	0.161	ppbv	
60) o-Xylene	13.72	91	17770m	0.084	ppbv	
61) Styrene	13.55	104	10415m	0.070	ppbv	
62) Isopropylbenzene	14.69	105	27369m	0.085	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	14483m	0.100	ppbv	
64) n-propylbenzene	15.59	120	5077m	0.061	ppbv	
65) tert-Butylbenzene	16.77	119	16561m	0.059	ppbv	
66) Benzyl Chloride	17.03	91	6497m	0.056	ppbv	
67) sec-Butylbenzene	17.33	105	25805m	0.066	ppbv	
69) p-Isopropyltoluene	17.69	119	17551m	0.054	ppbv	
70) n-Butylbenzene	18.60	91	18827m	0.057	ppbv	
71) 2-Chlorotoluene	15.49	91	21219m	0.087	ppbv	
72) 4-Ethyltoluene	15.87	105	16444m	0.066	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	14220m	0.061	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	16339m	0.068	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	15145m	0.104	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	15092m	0.104	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	14106m	0.100	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	13740m	0.116	ppbv	
79) Naphthalene	22.25	128	7099m	0.038	ppbv	
81) 1,2,4-Trichlorobenzene	21.99	180	5686m	0.047	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

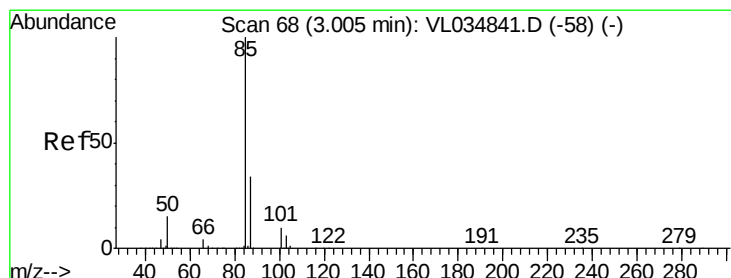
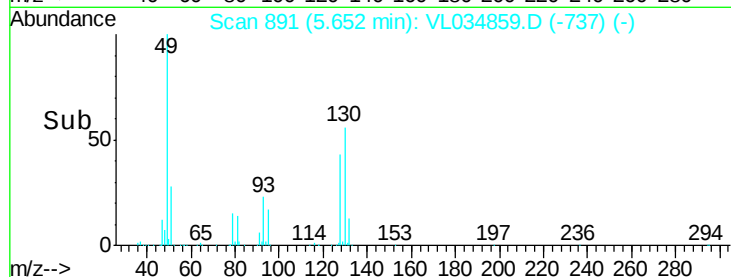
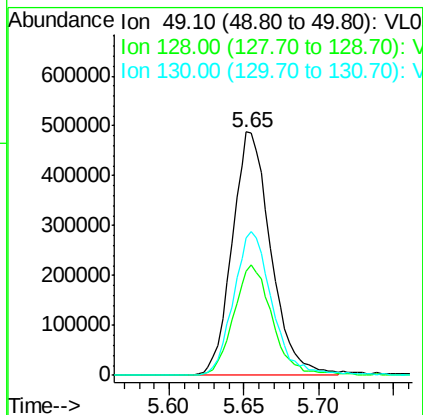
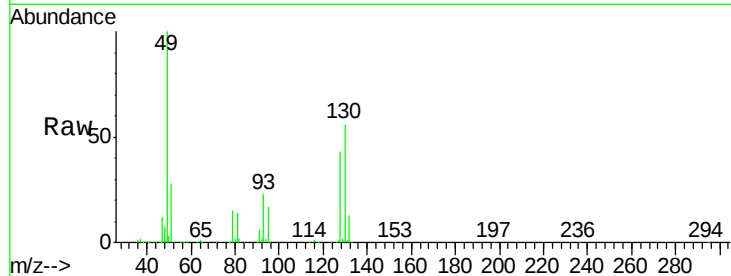
ClientSampleId :

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Tot Ion:	49	Resp:	879204
Ion	Ratio	Lower	Upper
49	100		
128	45.6	23.4	70.3
130	59.6	30.0	90.0

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#2

Dichlorodifluoromethane

Concen: 0.159 ppbv m

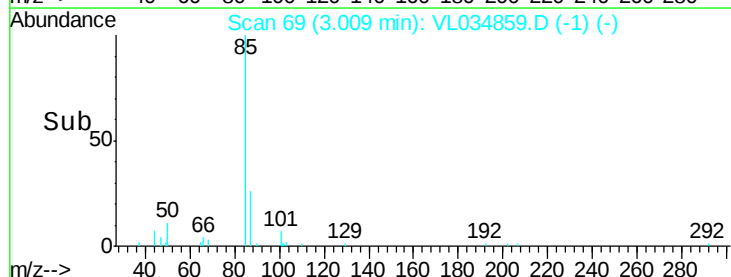
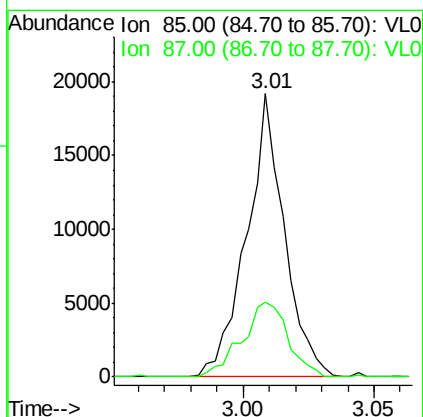
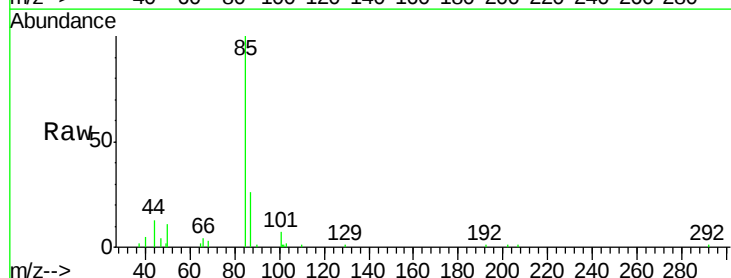
RT: 3.01 min Scan# 69

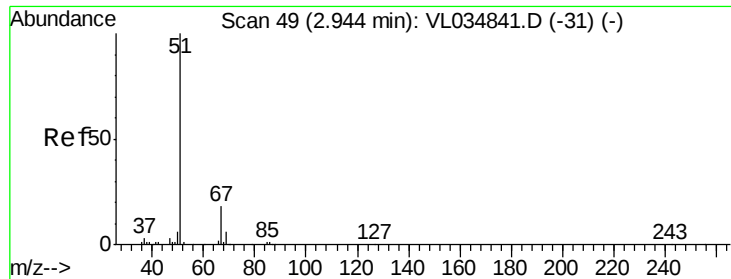
Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion:	85	Resp:	19199
Ion	Ratio	Lower	Upper
85	100		
87	26.4	26.9	40.3#





#3

Chlorodifluoromethane

Concen: 0.112 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

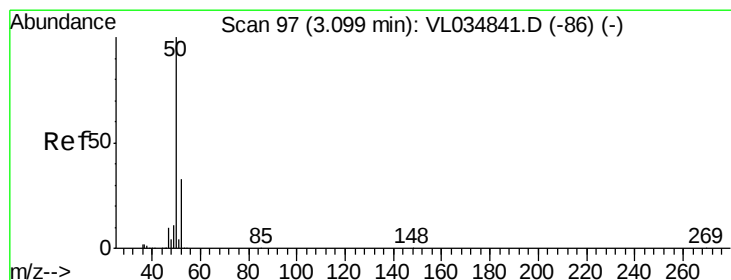
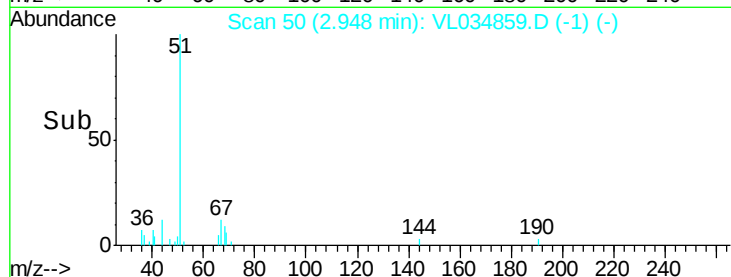
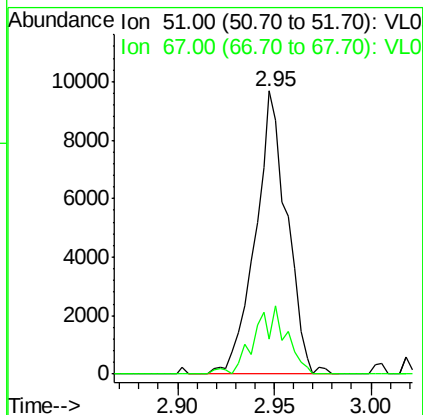
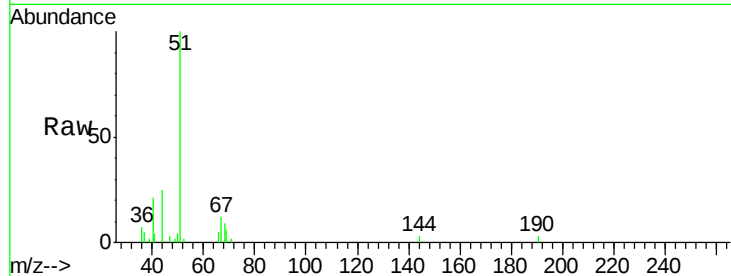
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
51	100		
67	24.6	14.3	21.5#

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#4

Chloromethane

Concen: 0.116 ppbv m

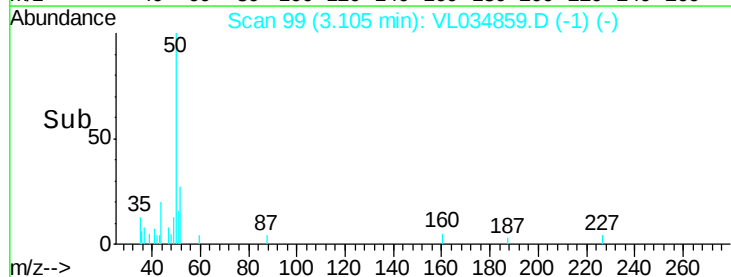
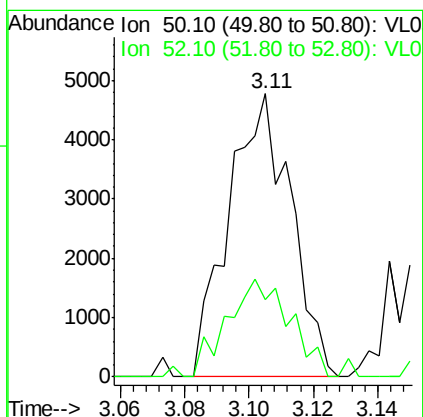
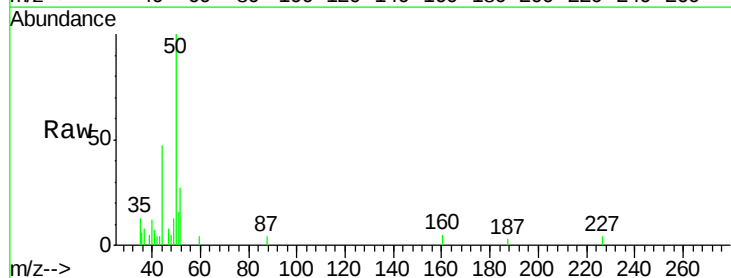
RT: 3.11 min Scan# 99

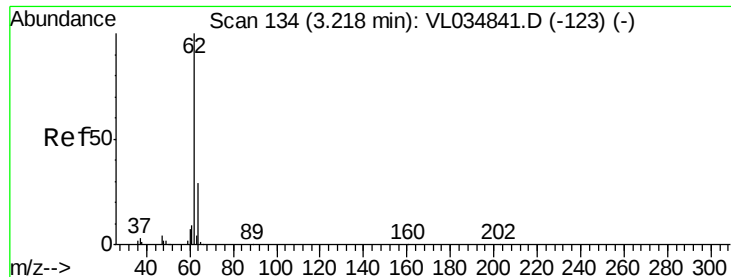
Delta R.T. 0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.4	26.8	40.2





#5

Vinyl Chloride

Concen: 0.123 ppbv m

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 62 Resp: 6539

Ion Ratio Lower Upper

62 100

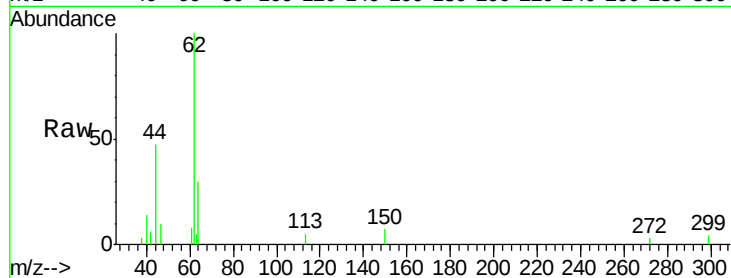
64 29.6 23.0 34.4

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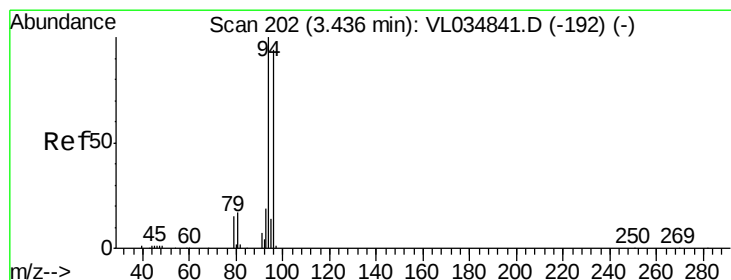
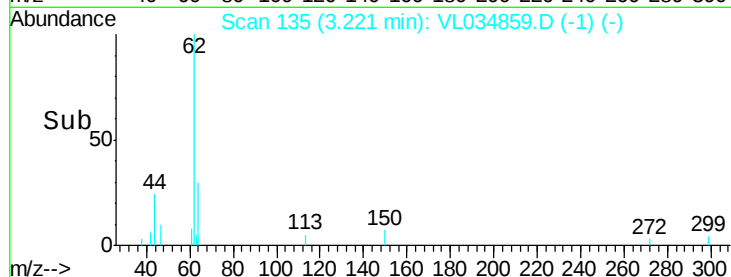


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

Time-->



#6

Bromomethane

Concen: 0.131 ppbv m

RT: 3.45 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL034859.D

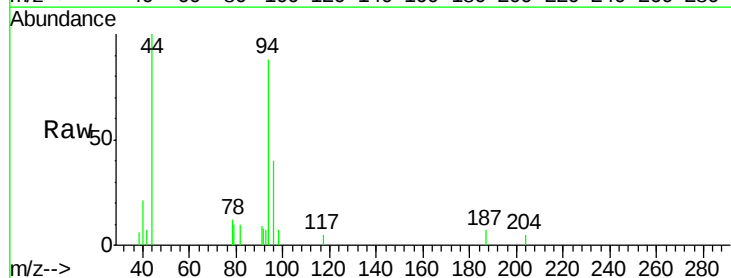
Acq: 10 Mar 2020 4:21

Tgt Ion: 94 Resp: 4056

Ion Ratio Lower Upper

94 100

96 45.3 75.5 113.3#

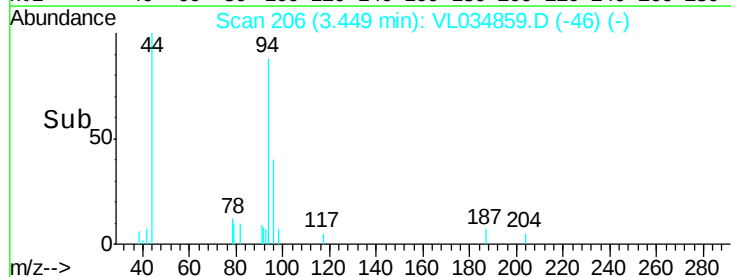


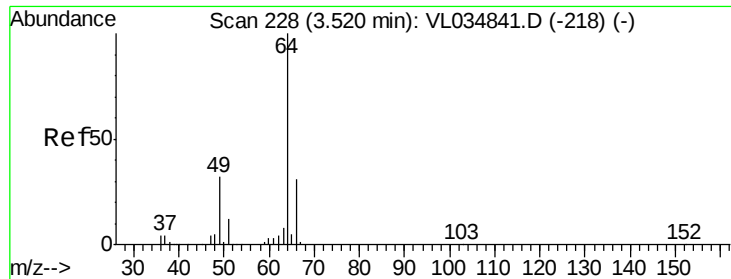
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

Time-->





#7

Chloroethane

Concen: 0.130 ppbv m

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 64 Resp: 2504

Ion Ratio Lower Upper

64 100

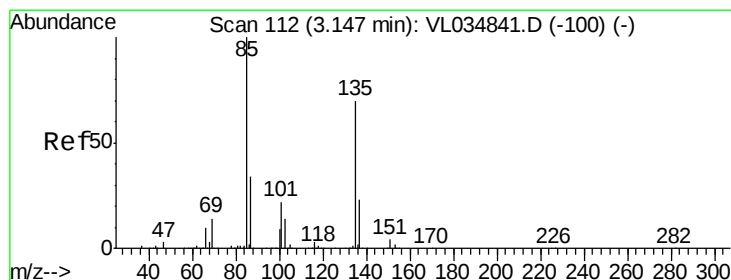
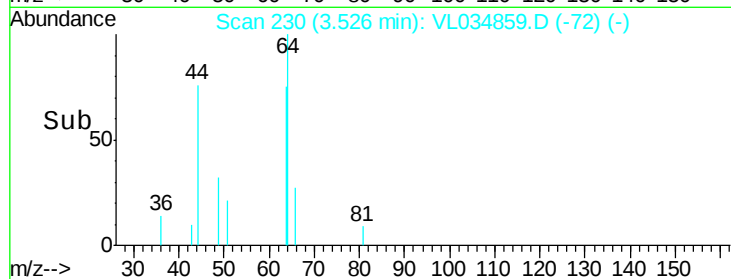
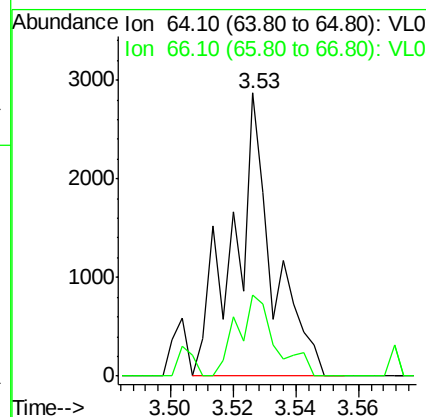
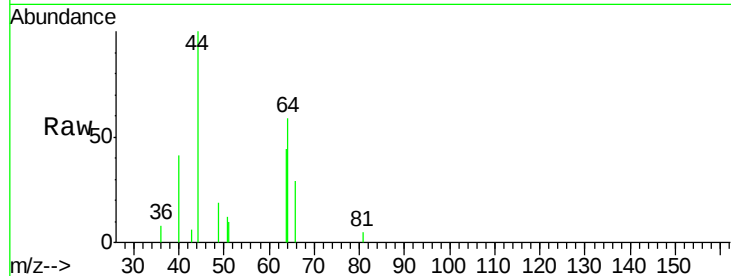
66 49.9 24.8 37.2#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.122 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034859.D

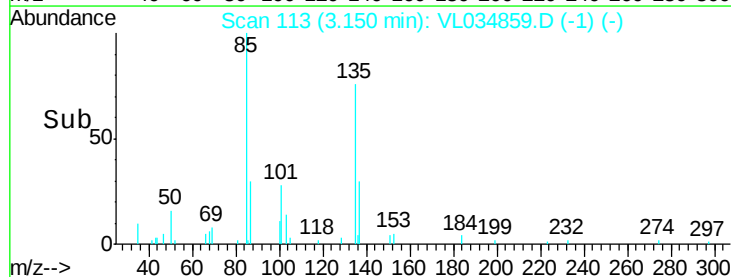
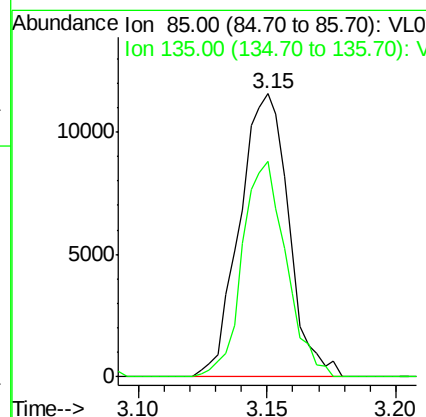
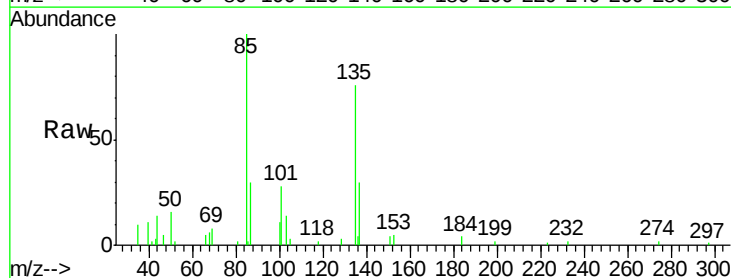
Acq: 10 Mar 2020 4:21

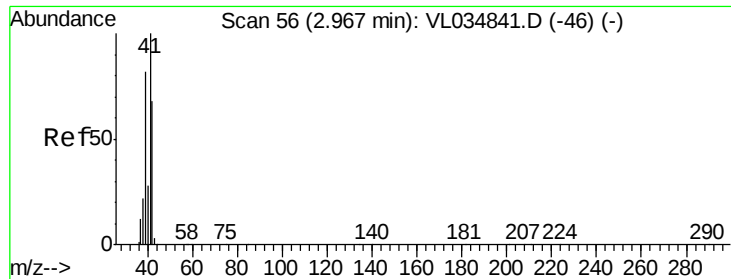
Tgt Ion: 85 Resp: 15279

Ion Ratio Lower Upper

85 100

135 67.9 54.3 81.5





#9

Propene

Concen: 0.111 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 41 Resp: 5205

Ion Ratio Lower Upper

41 100

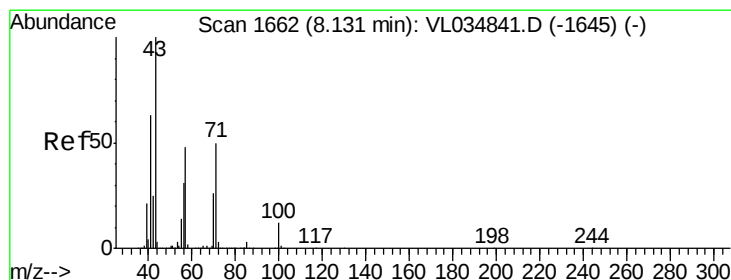
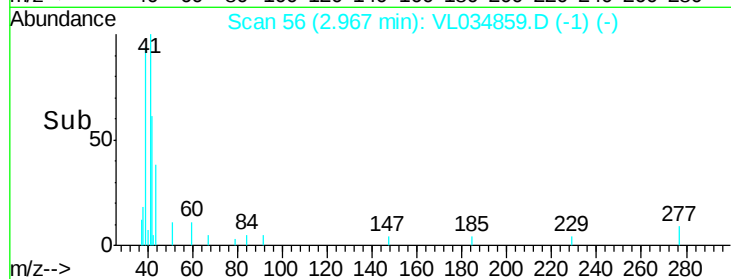
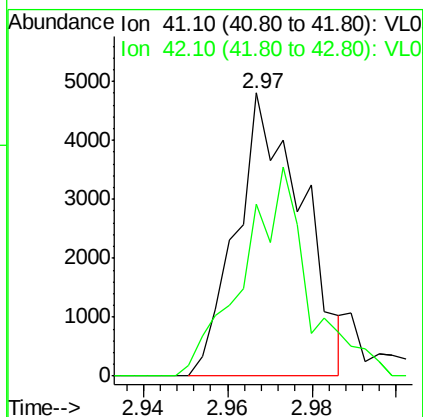
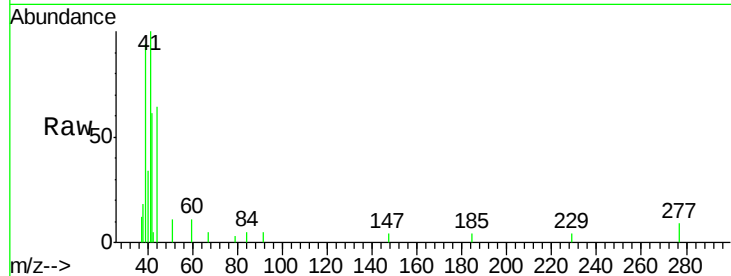
42 72.6 55.2 82.8

Manual Integrations

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#10

Heptane

Concen: 0.073 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034859.D

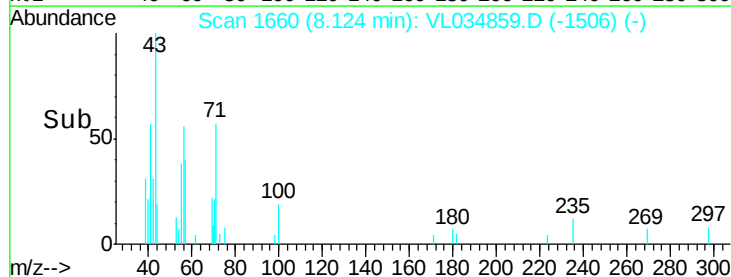
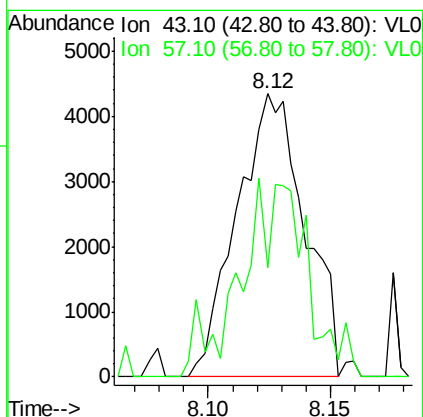
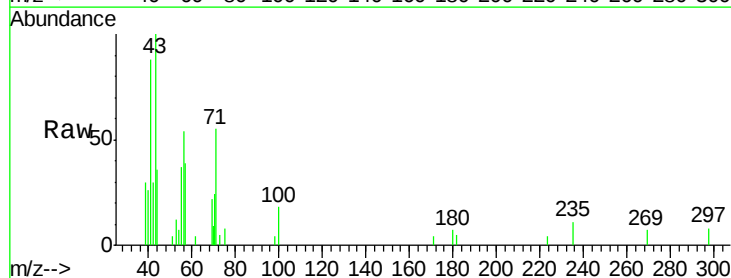
Acq: 10 Mar 2020 4:21

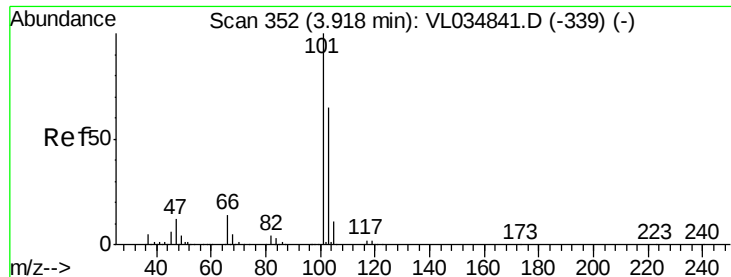
Tgt Ion: 43 Resp: 8395

Ion Ratio Lower Upper

43 100

57 68.4 39.7 59.5#





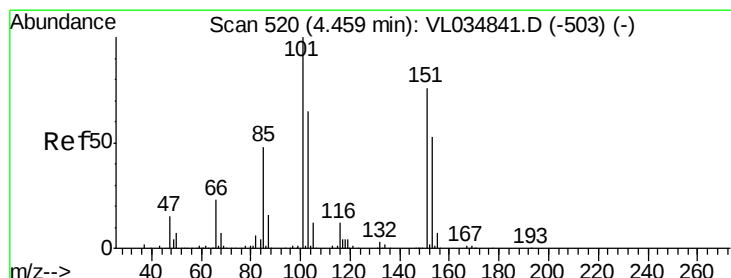
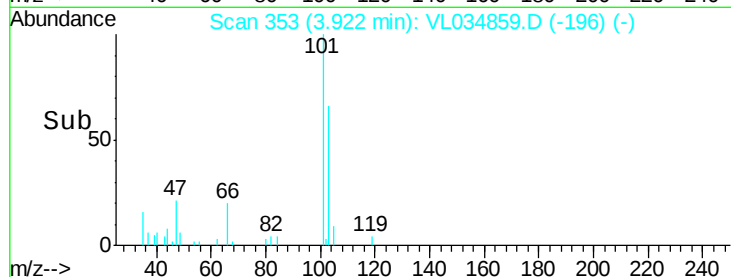
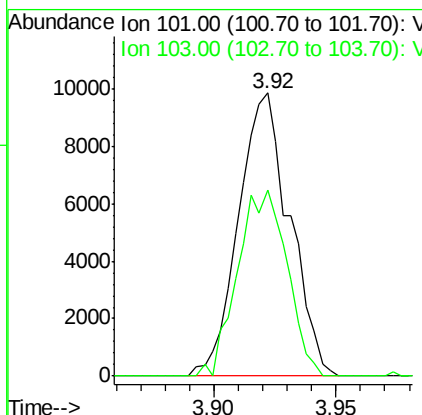
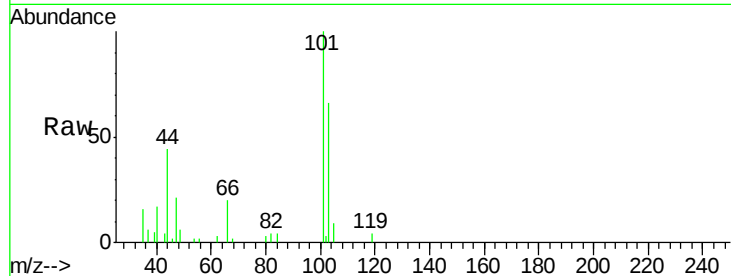
#11
 Trichlorofluoromethane
 Concen: 0.112 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion:101 Resp: 14310
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8

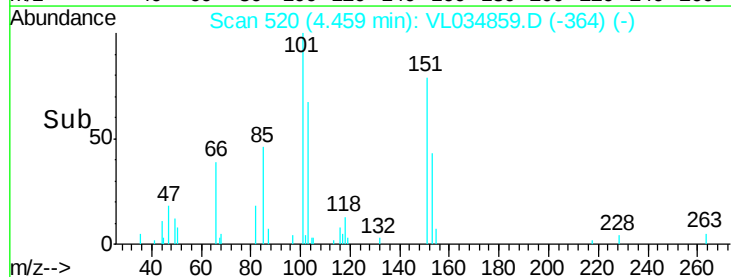
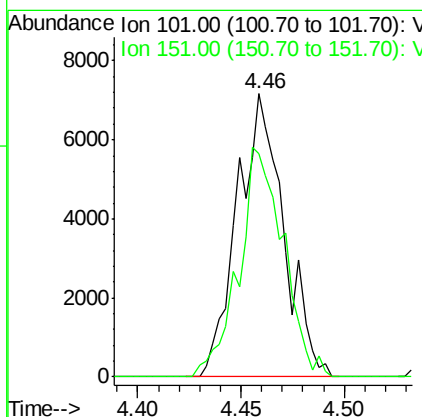
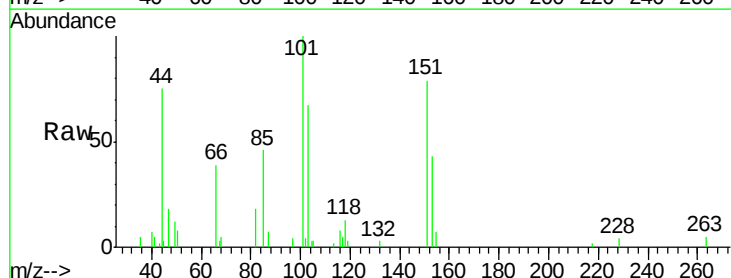
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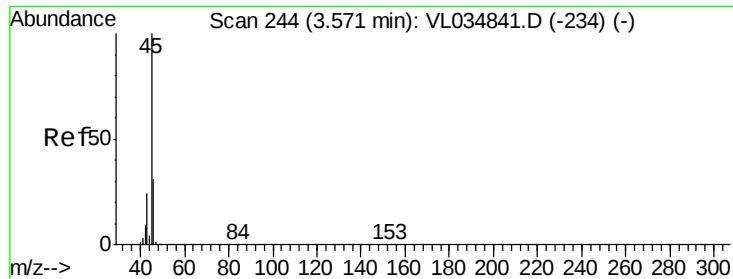
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.125 ppbv m
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion:101 Resp: 11172
 Ion Ratio Lower Upper
 101 100
 151 77.9 60.8 91.2





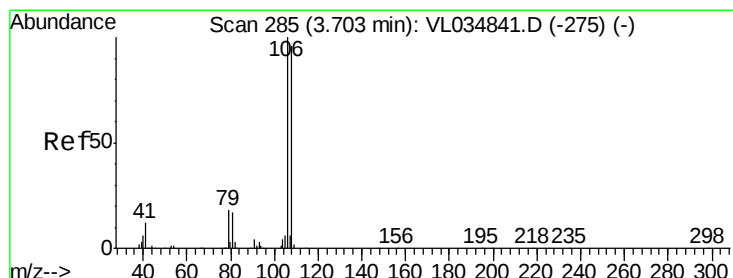
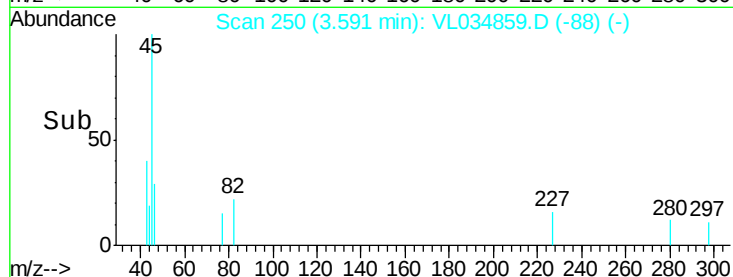
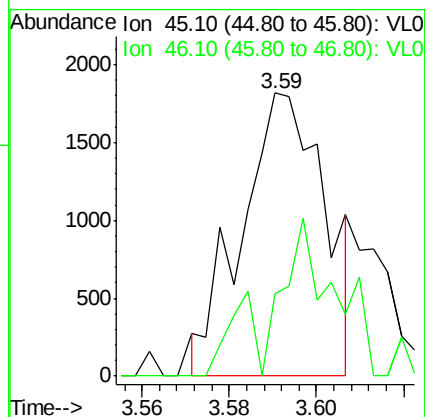
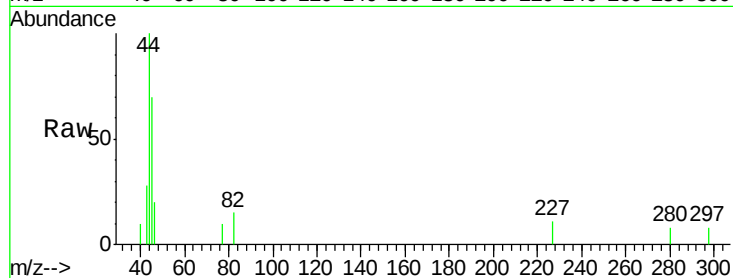
#13
Ethanol
Concen: 0.171 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 45 Resp: 2443
Ion Ratio Lower Upper
45 100
46 0.0 16.0 64.0#

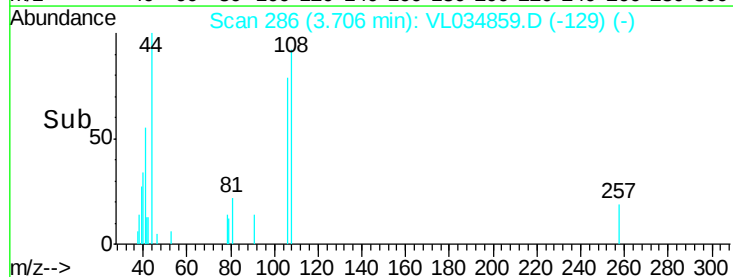
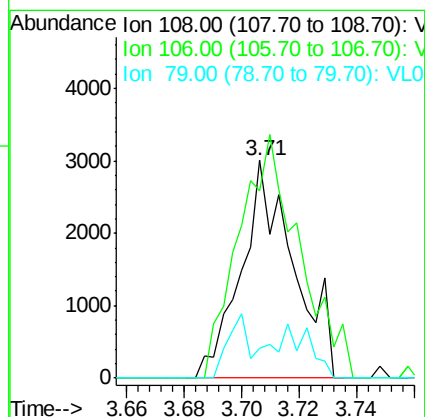
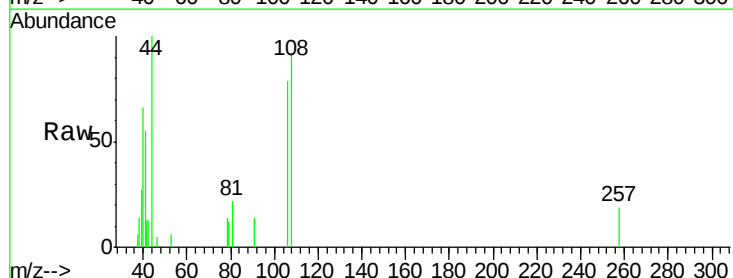
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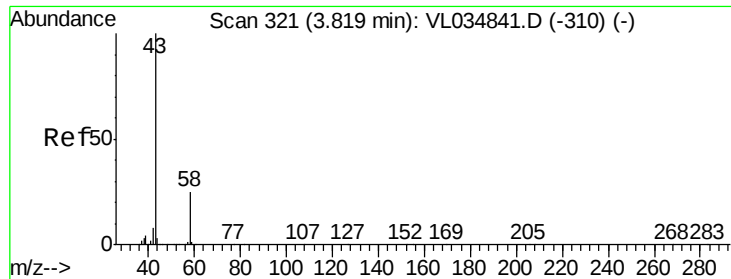
MMDadoda
3/11/2020 3:26:23 PM



#14
Bromoethene
Concen: 0.098 ppbv m
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 108 Resp: 3794
Ion Ratio Lower Upper
108 100
106 0.0 85.1 127.7#
79 29.4 14.7 22.1#





#15

Acetone

Concen: 0.194 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. 0.03 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 43 Resp: 22053

Ion Ratio Lower Upper

43 100

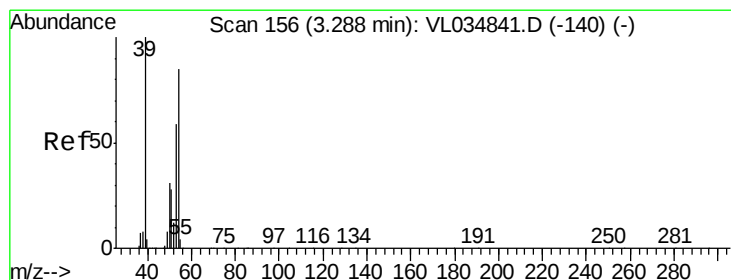
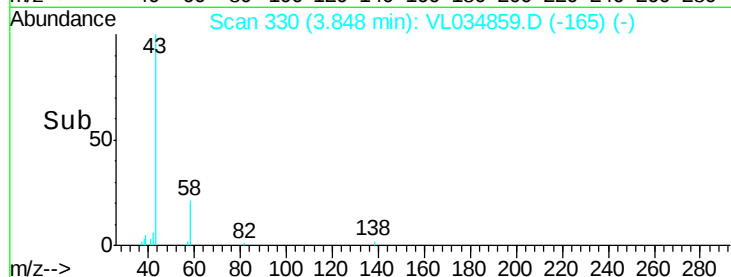
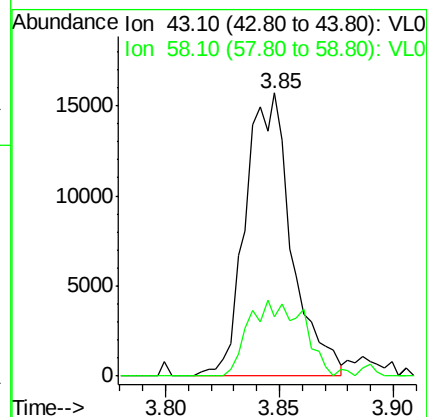
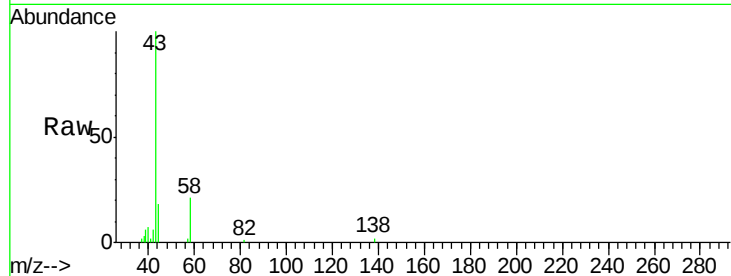
58 0.0 21.0 31.6#

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.095 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL034859.D

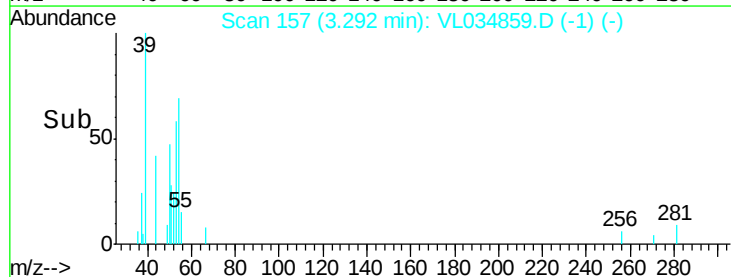
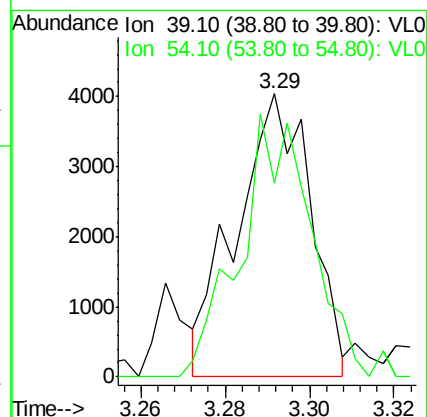
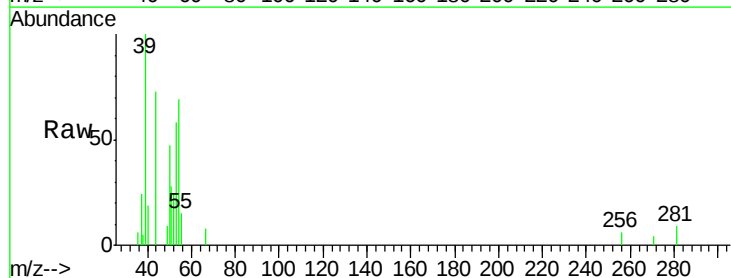
Acq: 10 Mar 2020 4:21

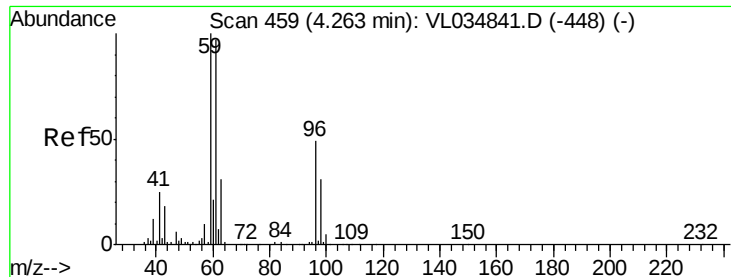
Tgt Ion: 39 Resp: 4908

Ion Ratio Lower Upper

39 100

54 90.4 65.0 97.6





#17

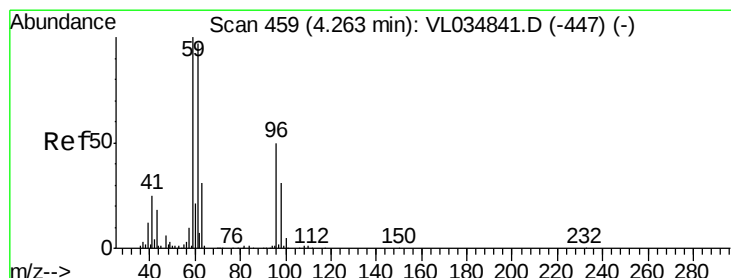
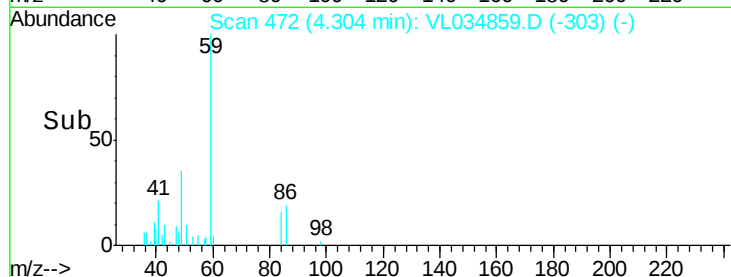
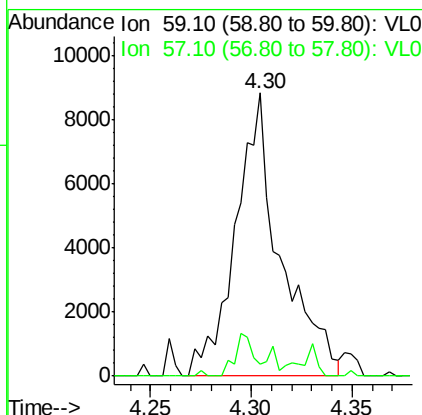
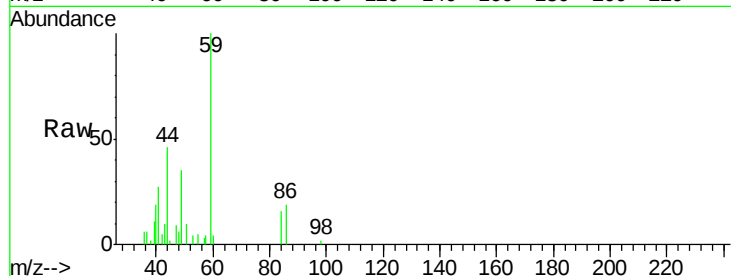
tert-Butyl alcohol
 Concen: 0.125 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.3	12.5#

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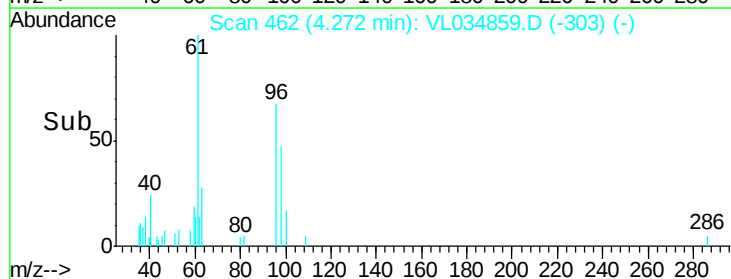
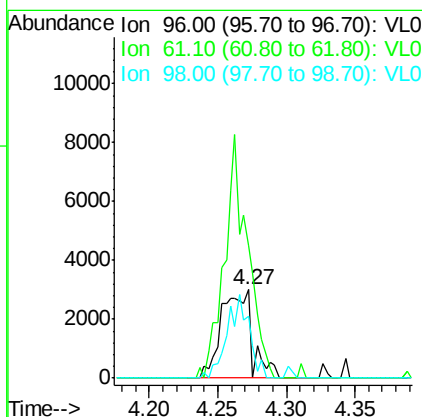
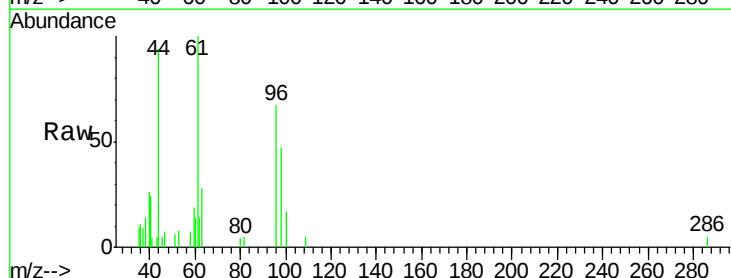
MMDadoda
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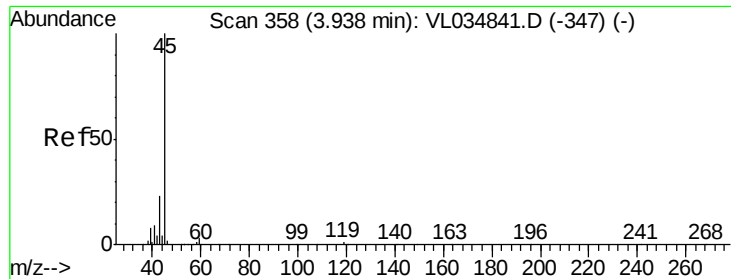


#18

1,1-Dichloroethene
 Concen: 0.121 ppbv m
 RT: 4.27 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	157.3	235.9#
98	69.9	50.2	75.4





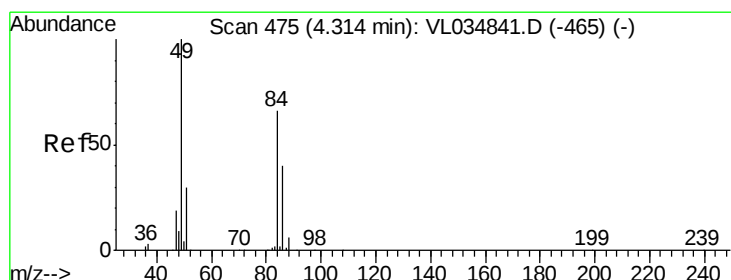
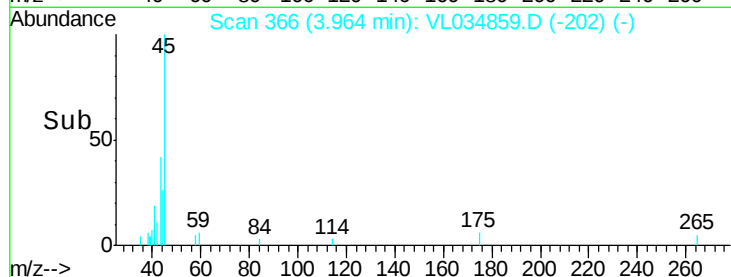
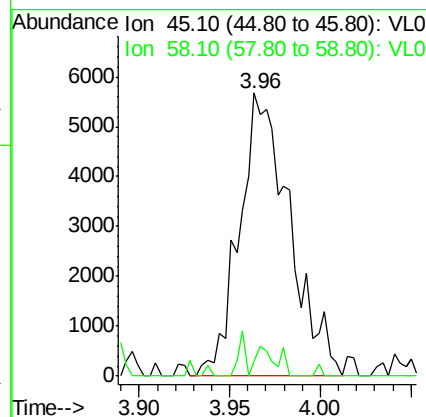
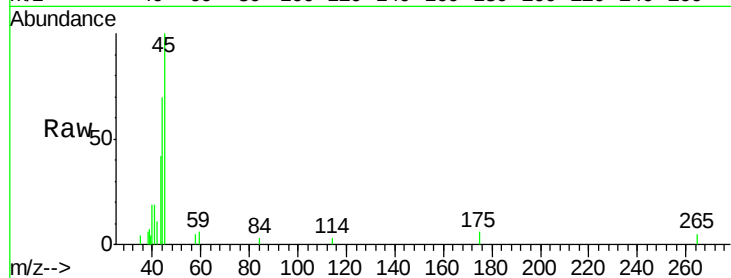
#19
Isopropyl Alcohol
Concen: 0.152 ppbv m
RT: 3.96 min Scan# 366
Delta R.T. 0.03 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.5	45.7#

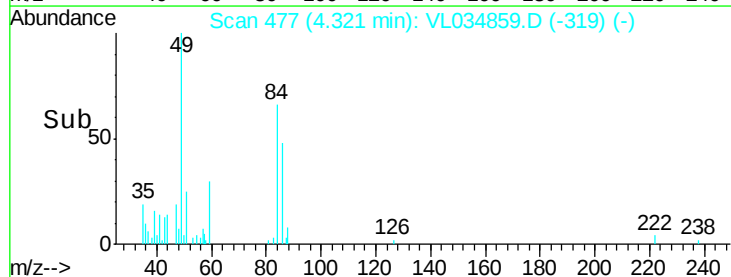
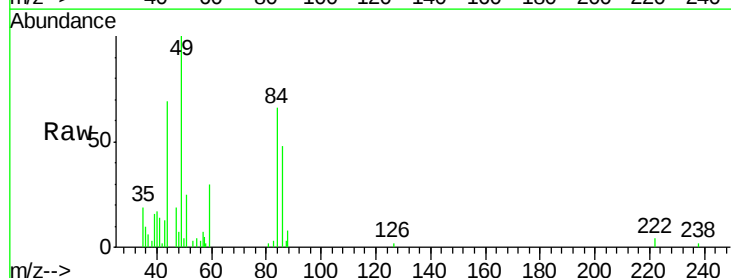
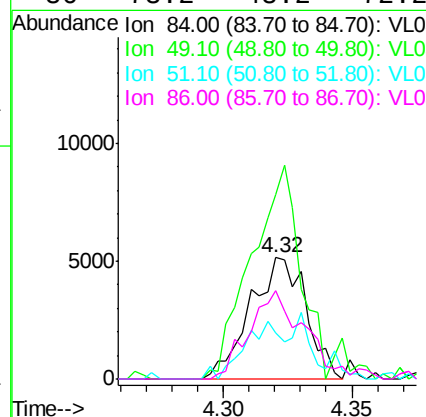
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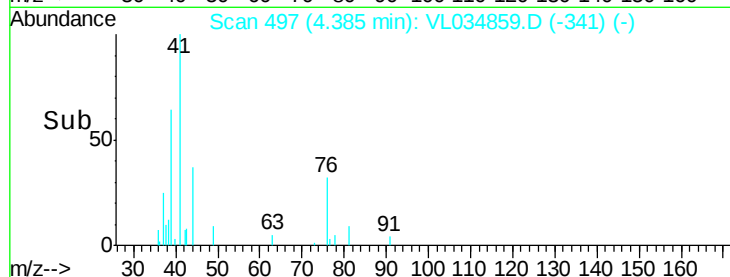
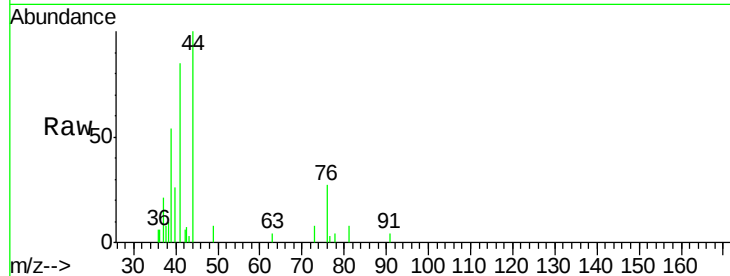
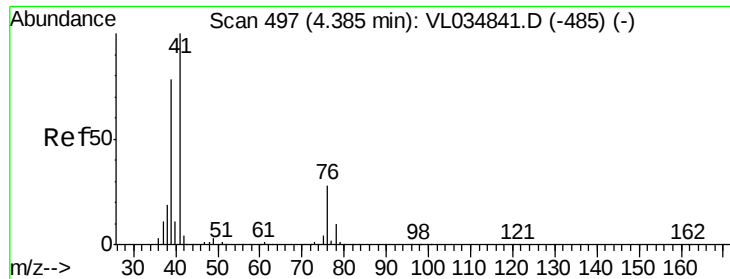
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#20
Methylene Chloride
Concen: 0.214 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.2	121.5	182.3
51	37.9	36.6	55.0
86	73.2	48.2	72.2#





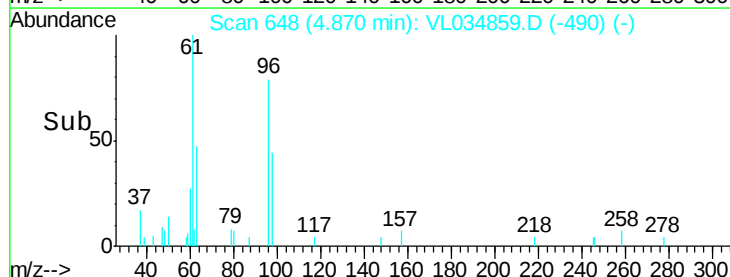
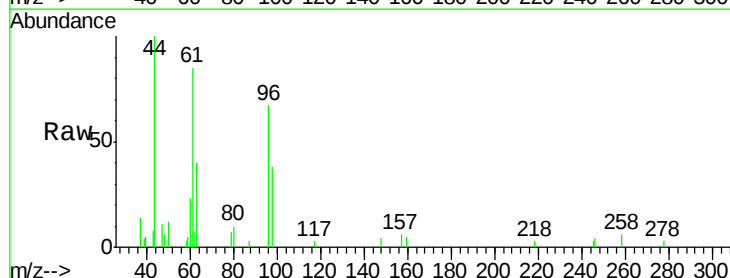
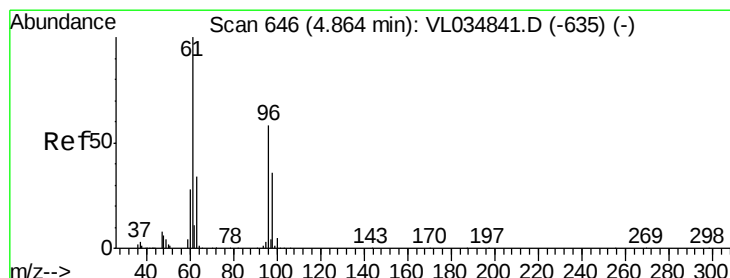
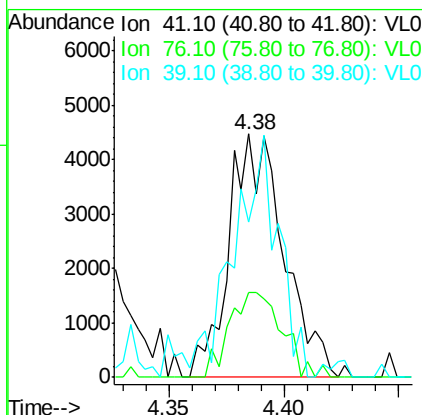
#21
Allvl Chloride
Concen: 0.101 ppbv m
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.6	22.2	33.2#
39	0.0	62.6	93.8#

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

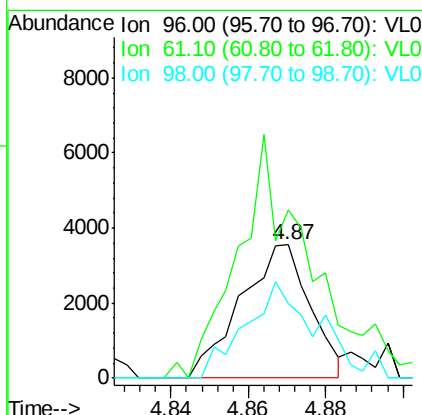
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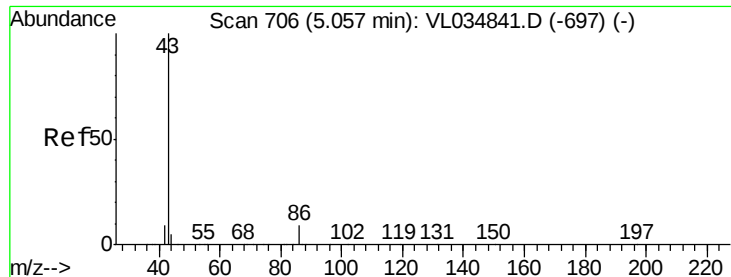
MMDadoda
3/11/2020 3:26:23 PM



#22
trans-1,2-Dichloroethene
Concen: 0.110 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.6	139.0	208.6#
98	56.1	50.3	75.5





#23

Vinyl Acetate

Concen: 0.079 ppbv m

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

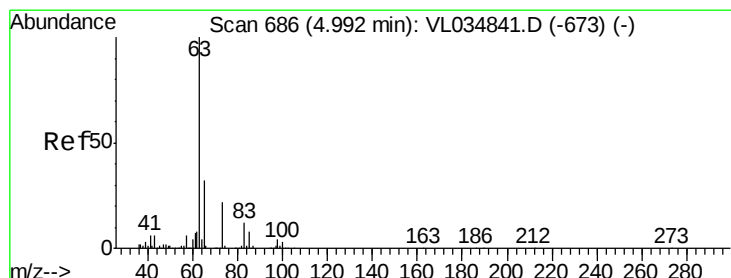
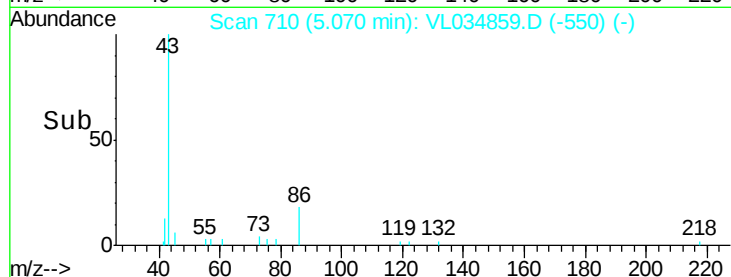
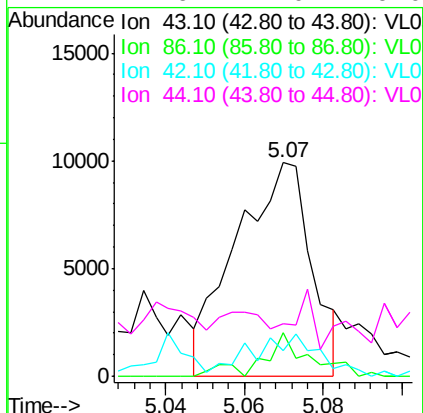
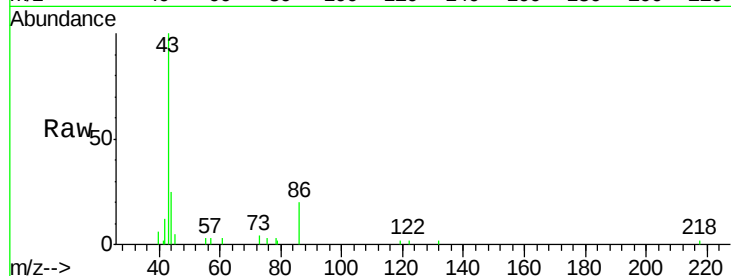
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	20.5	6.3	9.5#	
42	12.3	7.8	11.8#	
44	24.6	4.0	6.0#	

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.113 ppbv

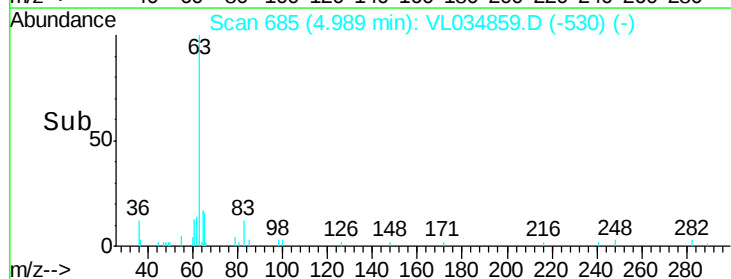
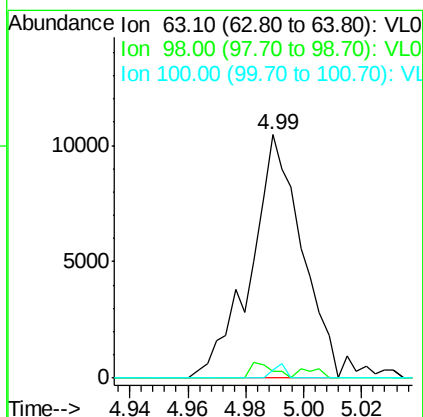
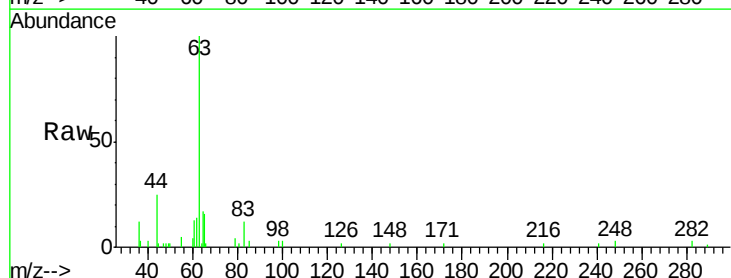
RT: 4.99 min Scan# 685

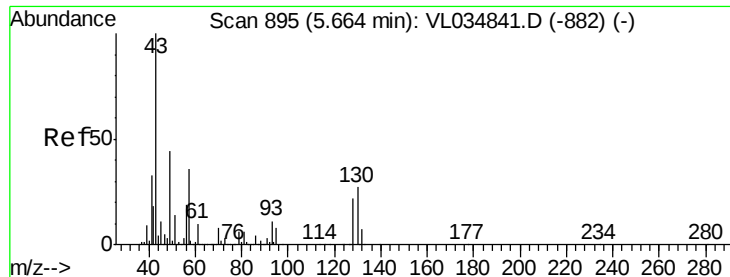
Delta R.T. -0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	2.7	2.0	5.8	
100	3.0	1.4	4.0	





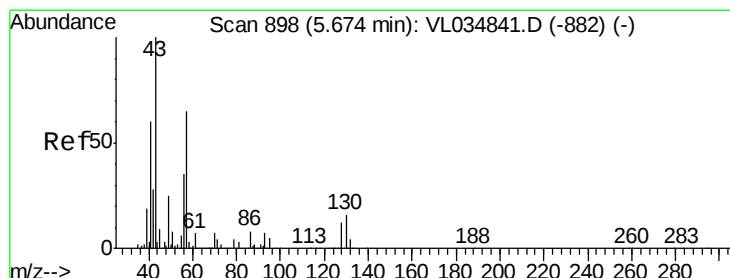
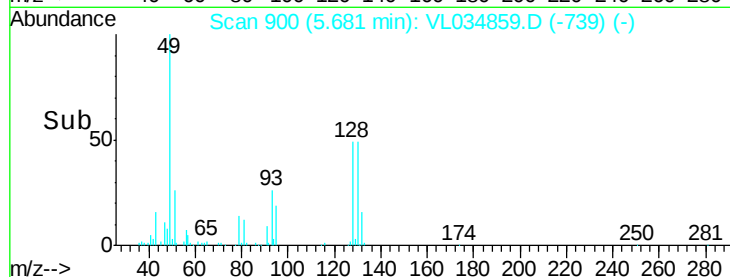
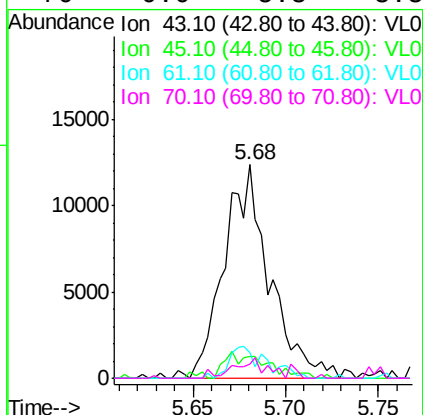
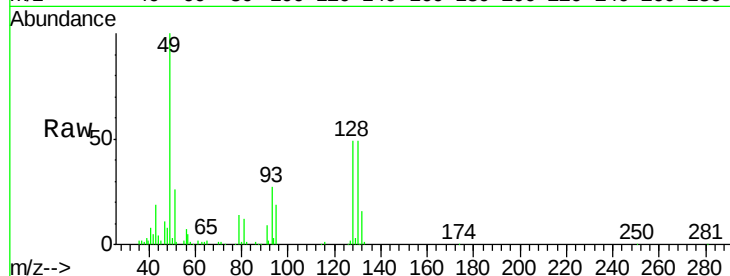
#25
Ethyl Acetate
Concen: 0.103 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.5	8.2	12.2#
61	0.0	7.8	11.6#
70	0.0	5.8	8.8#

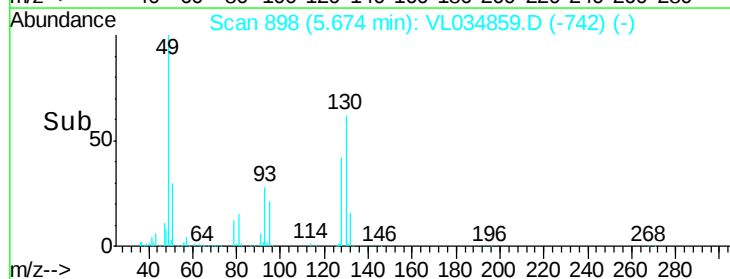
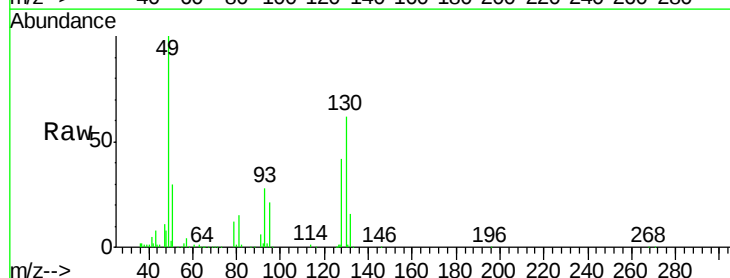
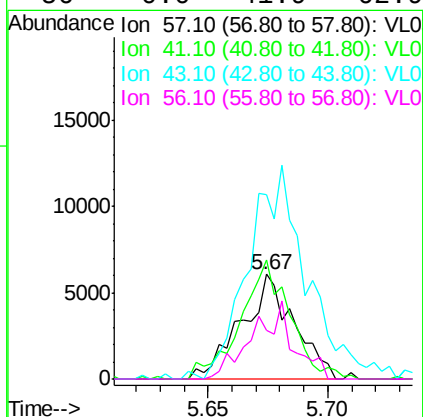
Manual Integrations
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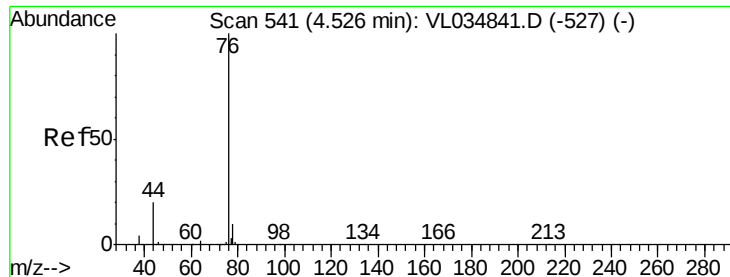
MMDadoda
3/11/2020 3:26:23 PM



#26
Hexane
Concen: 0.104 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.6	109.0#
43	0.0	183.8	275.6#
56	0.0	41.9	62.9#





#27

Carbon Disulfide

Concen: 0.086 ppbv m

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

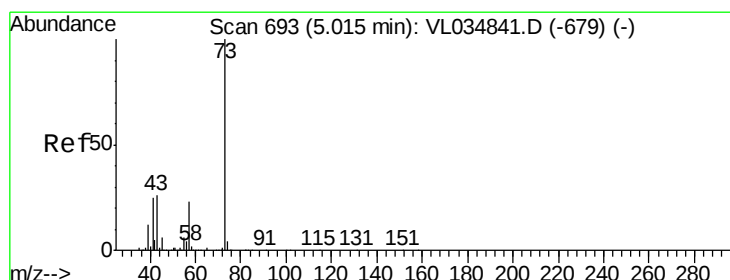
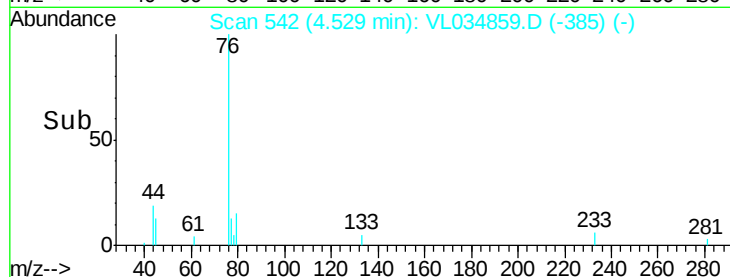
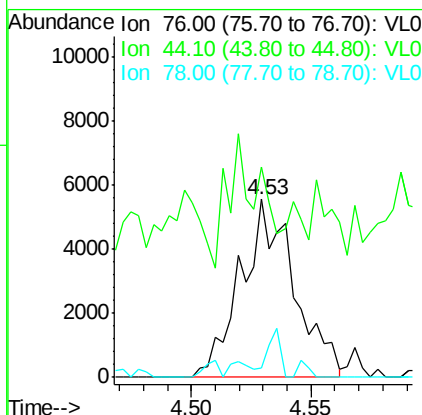
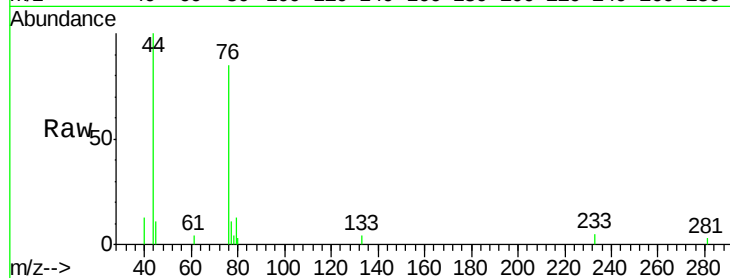
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	76	Resp:	8503
Ion	Ratio	Lower	Upper
76	100		
44	21.3	16.2	24.2
78	0.0	7.8	11.6#

Manual Integrations
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3/11/2020 3:26:23 PM



#28

Methyl tert-Butyl Ether

Concen: 0.095 ppbv m

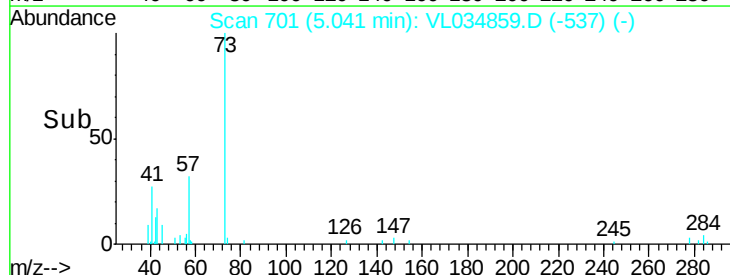
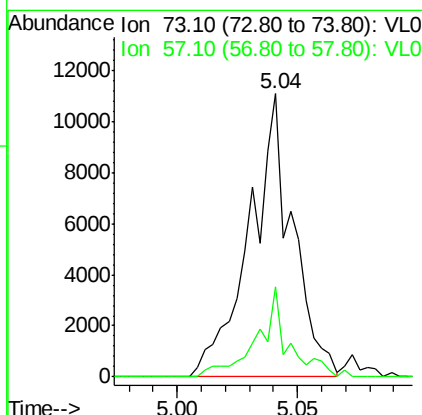
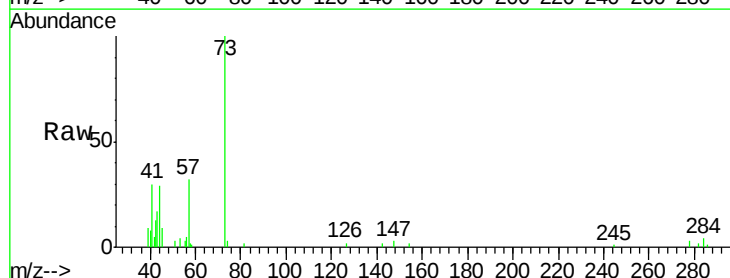
RT: 5.04 min Scan# 701

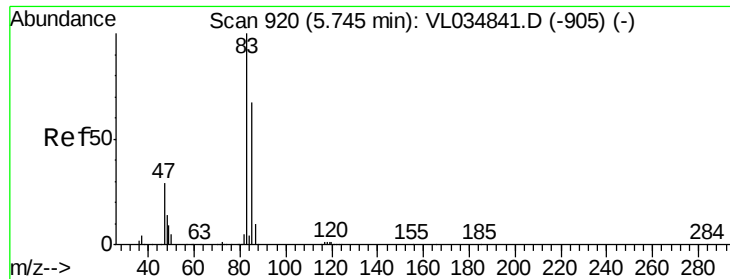
Delta R.T. 0.03 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion:	73	Resp:	13768
Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.3	27.5#





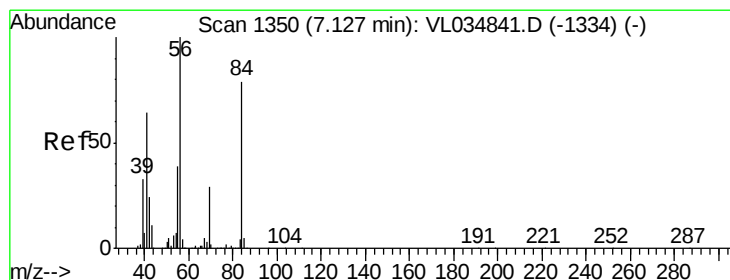
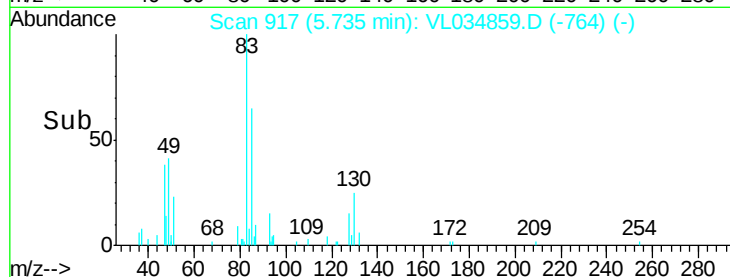
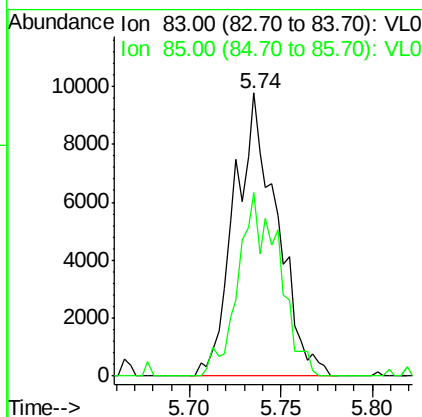
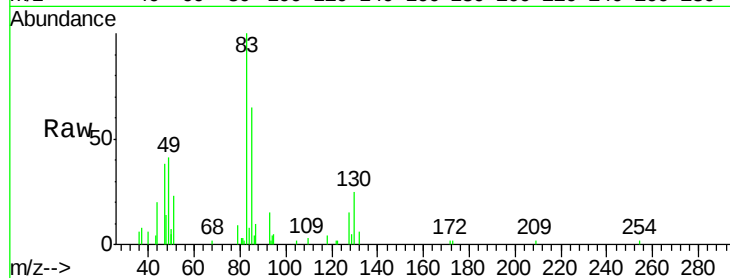
#29
Chloroform
Concen: 0.119 ppbv m
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 83 Resp: 15822
Ion Ratio Lower Upper
83 100
85 65.0 53.8 80.6

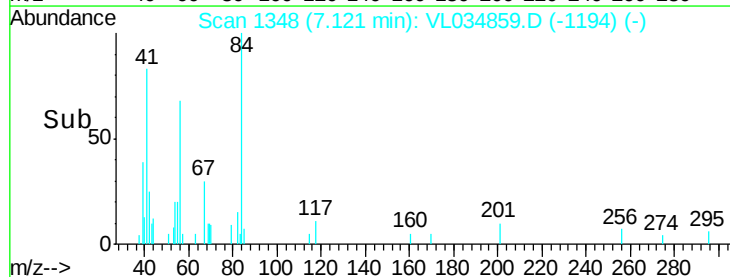
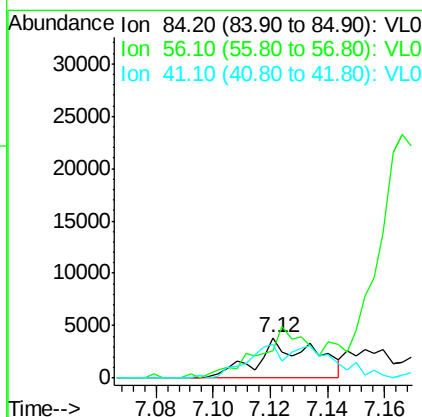
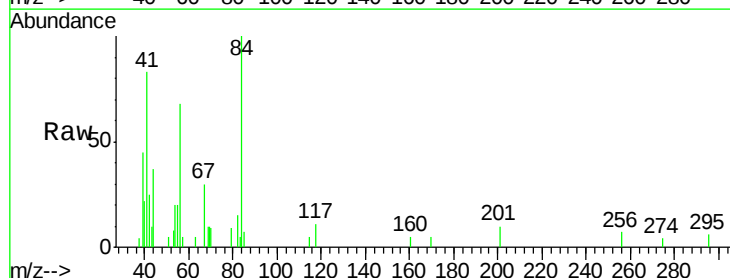
Manual Integrations
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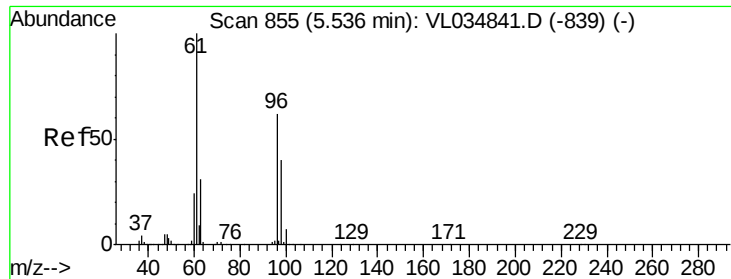
MMDadoda
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#30
Cyclohexane
Concen: 0.073 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 84 Resp: 5338
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 122.1 68.2 102.4#





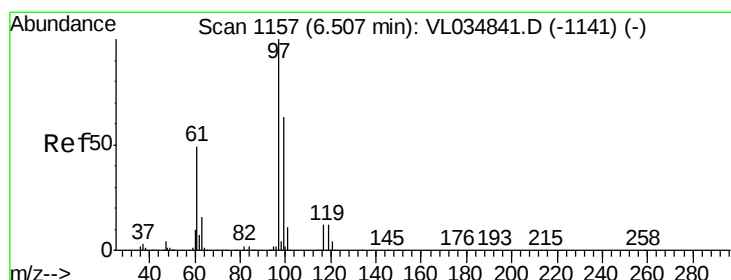
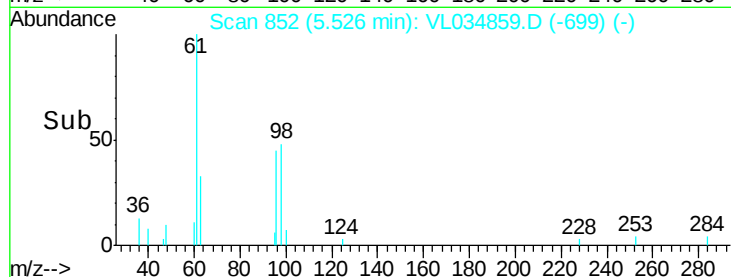
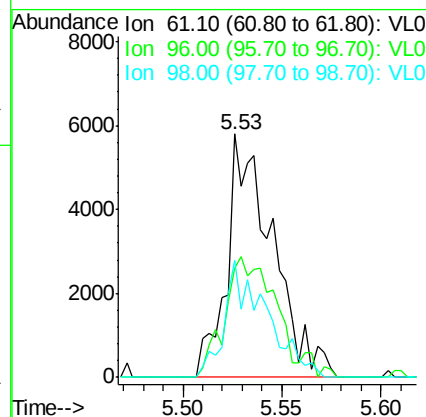
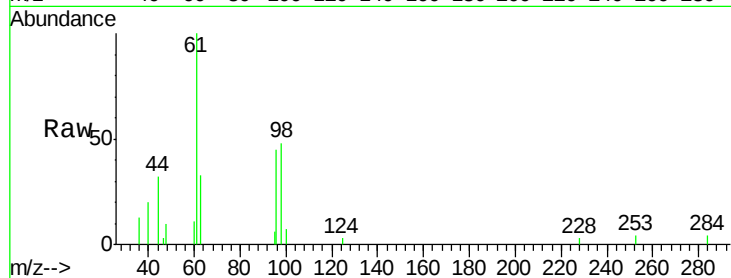
#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv m
 RT: 5.53 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
61	100		
96	44.7	49.8	74.8#
98	48.0	32.2	48.4

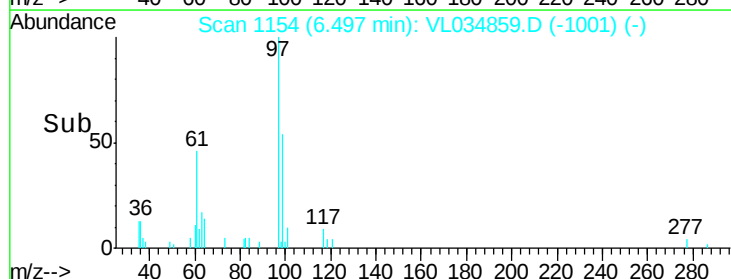
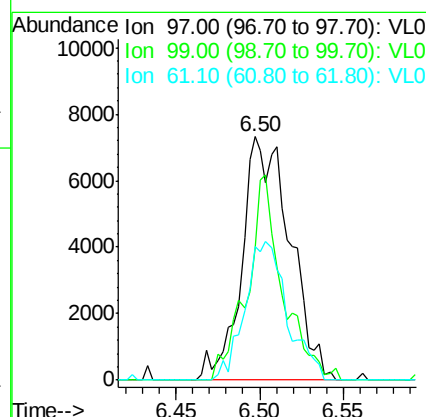
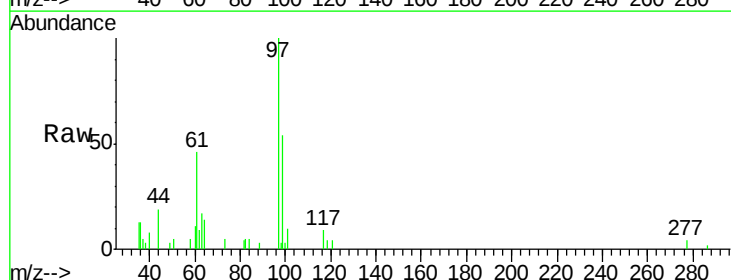
Manual Integrations
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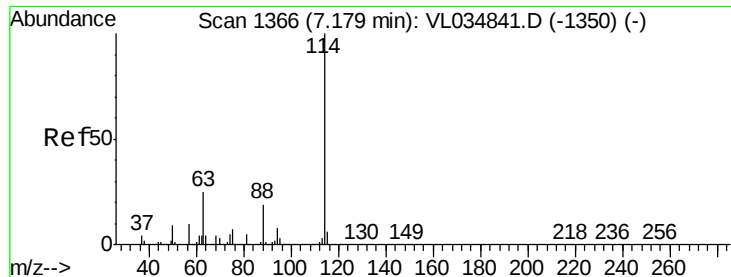
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 0.113 ppbv m
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	0.0	39.7	59.5#





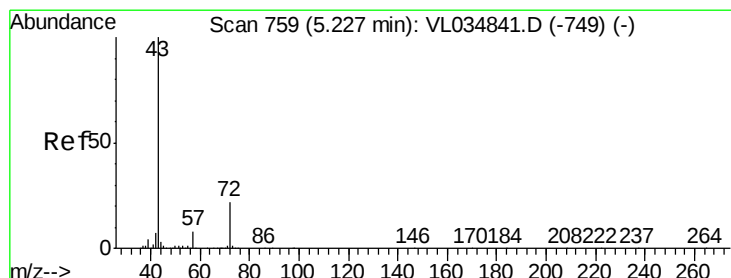
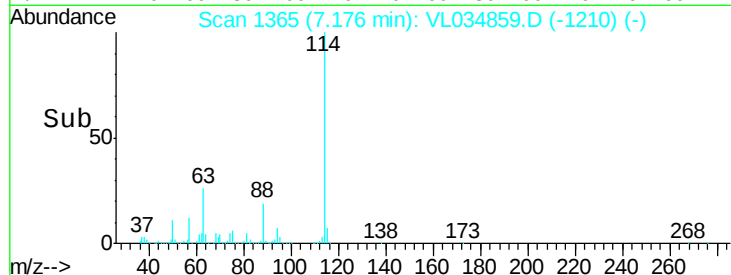
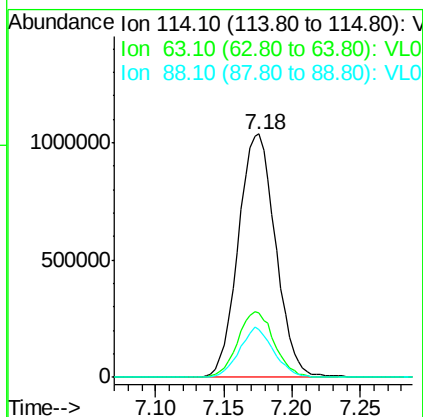
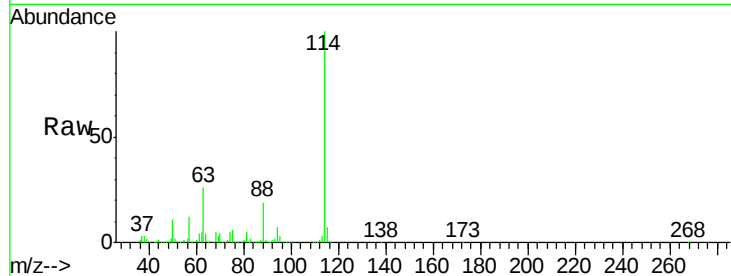
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.6	31.0
88	18.7	15.0	22.6

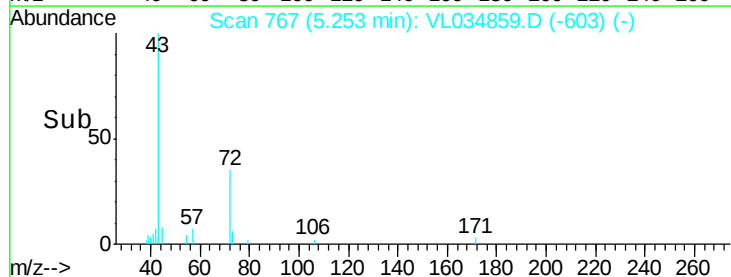
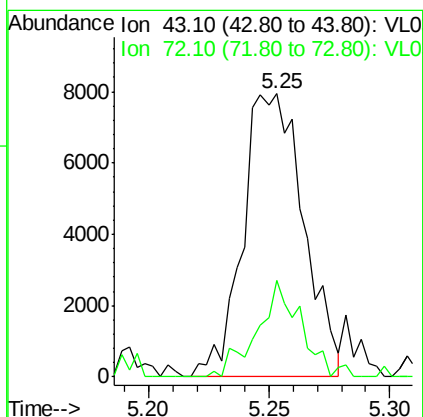
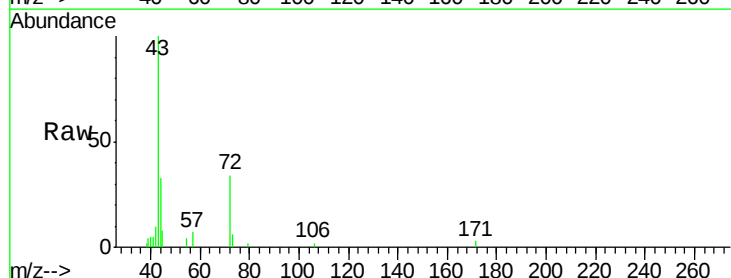
Manual Integrations
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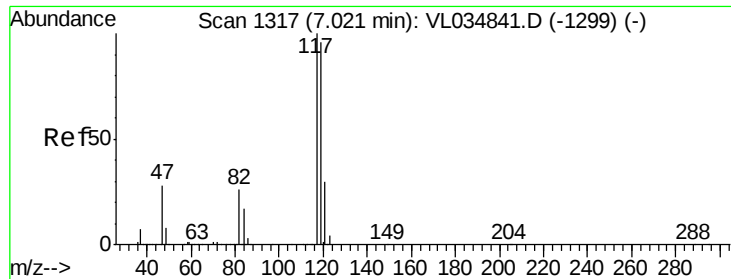
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#34
 2-Butanone
 Concen: 0.105 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.03 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.6	26.4#





#35

Carbon Tetrachloride

Concen: 0.091 ppbv m

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

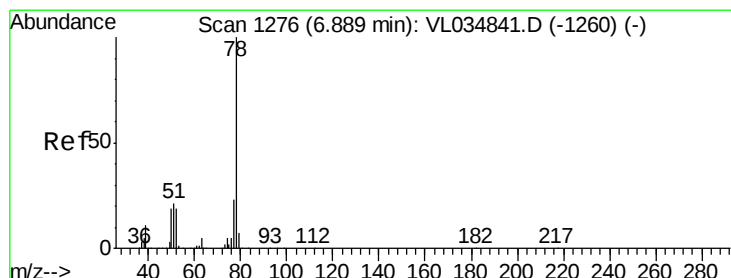
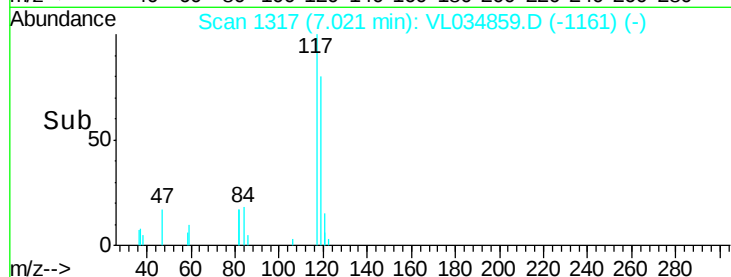
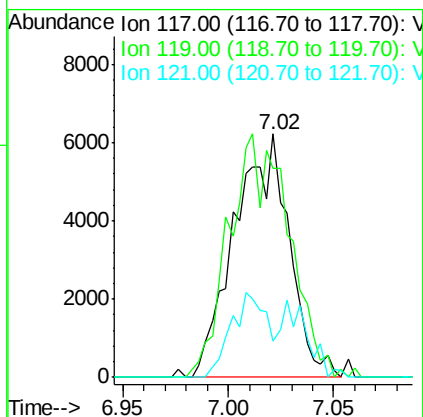
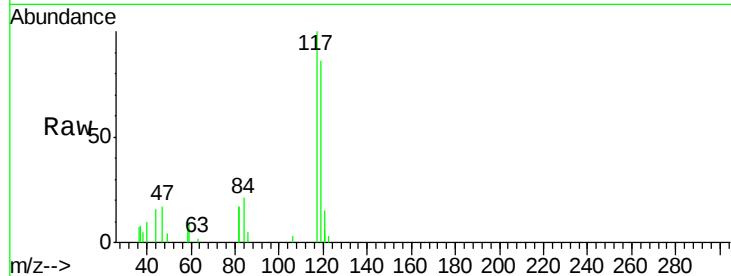
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.7	77.0	115.4
121	15.0	24.0	36.0#

Manual Integrations
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#36

Benzene

Concen: 0.106 ppbv m

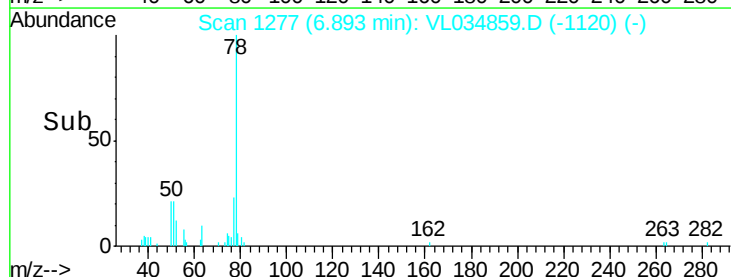
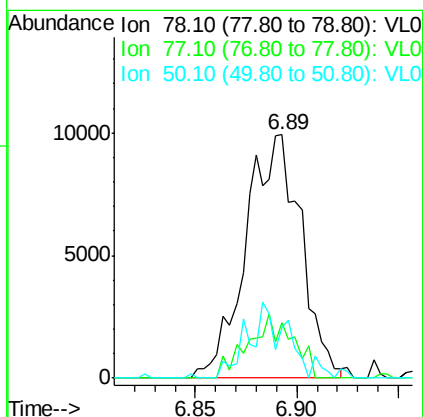
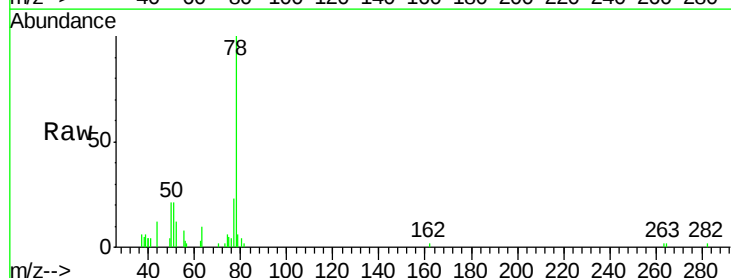
RT: 6.89 min Scan# 1277

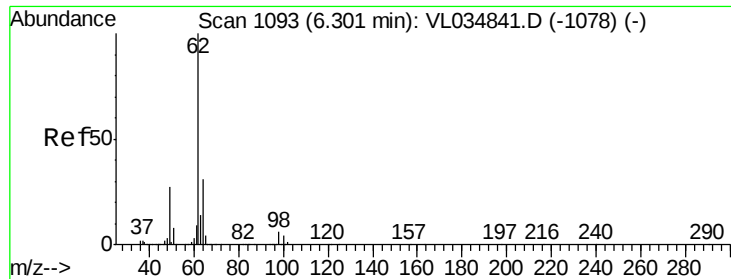
Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.2	27.2
50	20.7	15.2	22.8





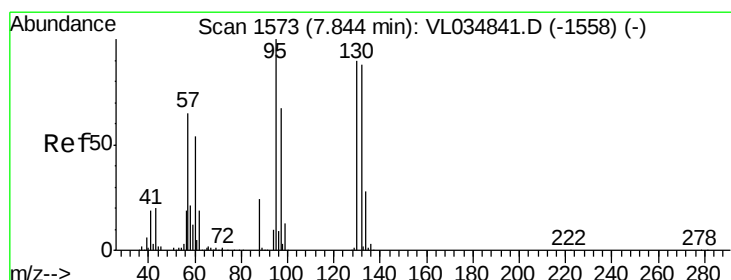
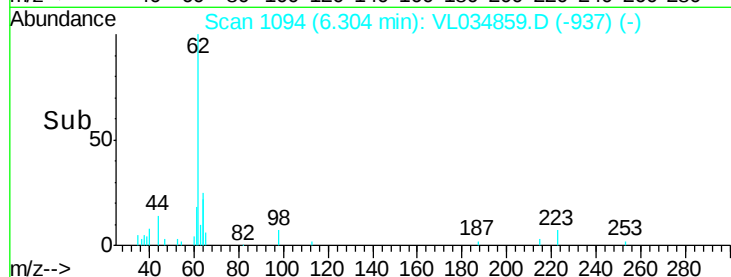
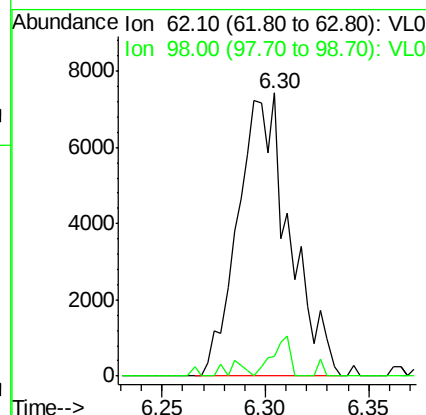
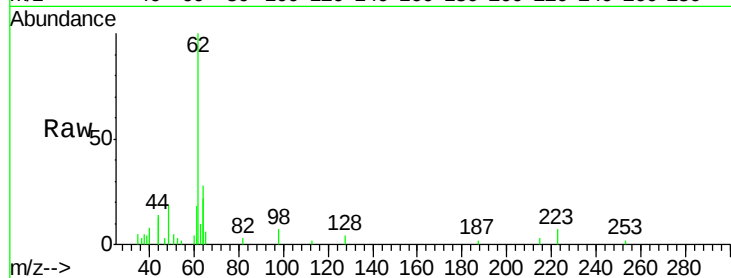
#37
 1,2-Dichloroethane
 Concen: 0.130 ppbv m
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	12806		
98	0.0	5.2		7.8#

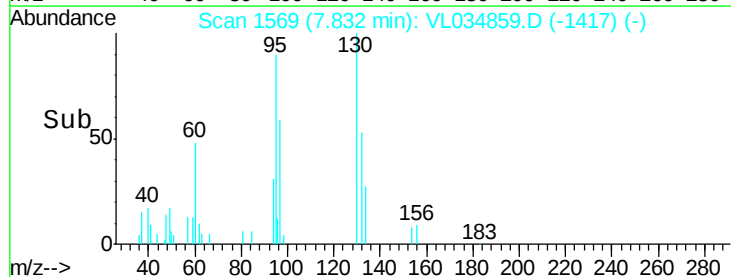
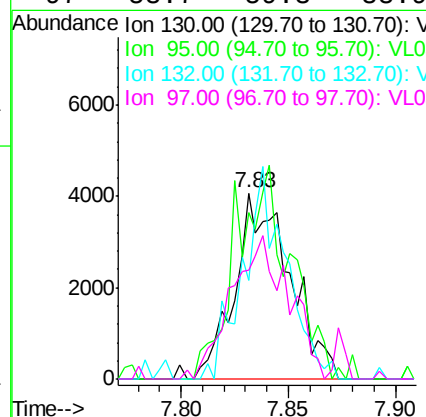
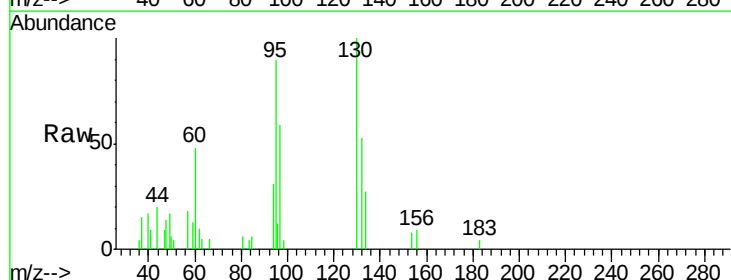
Manual Integrations
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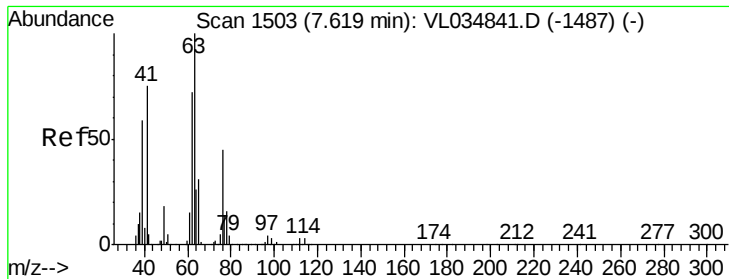
MMDadoda
 3/11/2020 3:26:23 PM



#38
 Trichloroethene
 Concen: 0.109 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	7247		
95	89.8	88.5		132.7
132	52.8	78.0		117.0#
97	58.7	59.3		88.9#





#39

1,2-Dichloropropane

Concen: 0.115 ppbv m

RT: 7.61 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

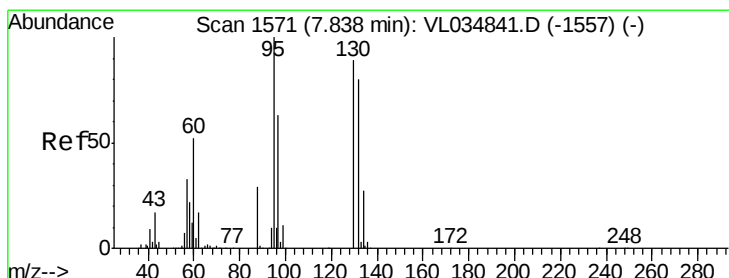
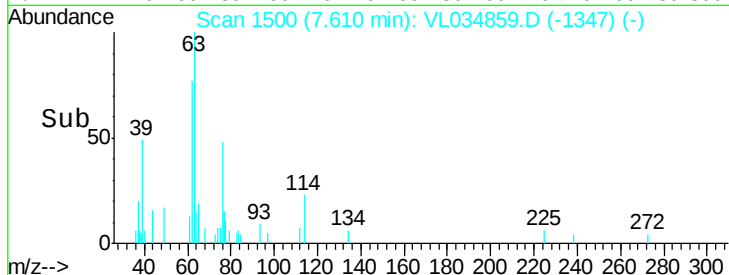
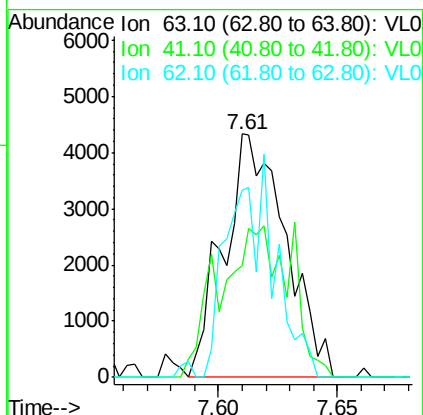
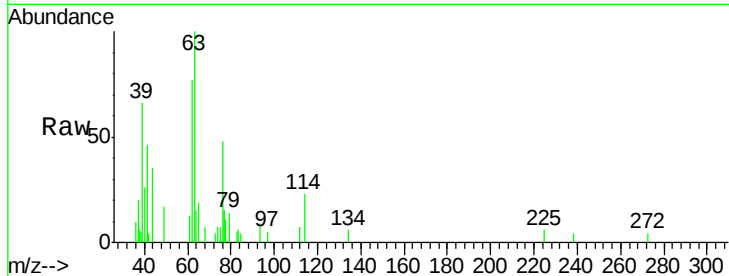
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	63	Resp:	7973
Ion	Ratio	Lower	Upper
63	100		
41	45.7	59.8	89.8#
62	76.9	57.6	86.4

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#40

1,4-Dioxane

Concen: 0.098 ppbv m

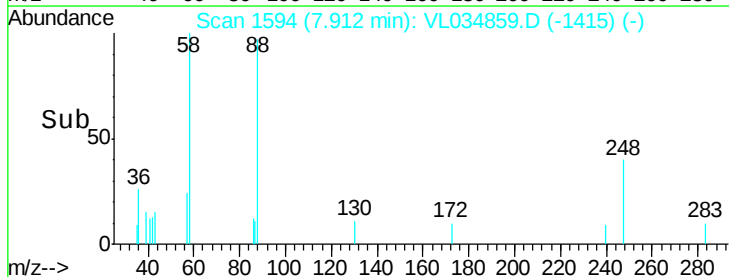
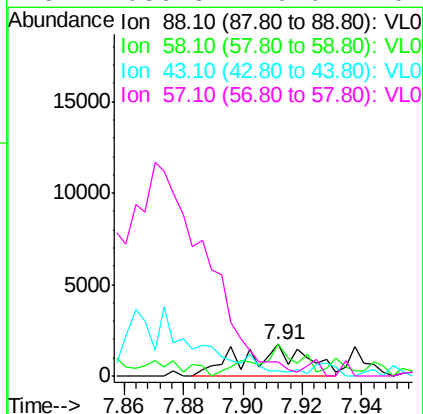
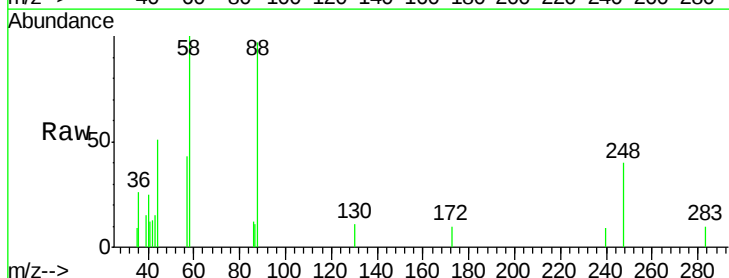
RT: 7.91 min Scan# 1594

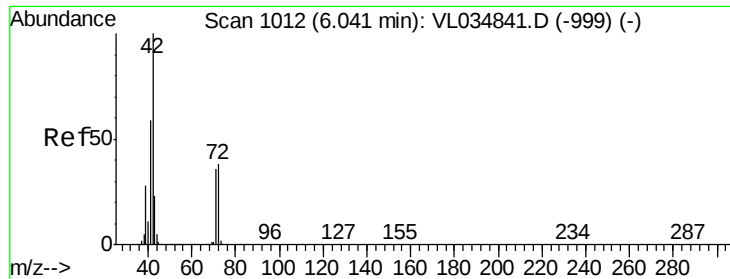
Delta R.T. 0.07 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion:	88	Resp:	2564
Ion	Ratio	Lower	Upper
88	100		
58	53.1	103.9	155.9#
43	261.0	0.0	0.0#
57	1036.8	0.0	0.0#





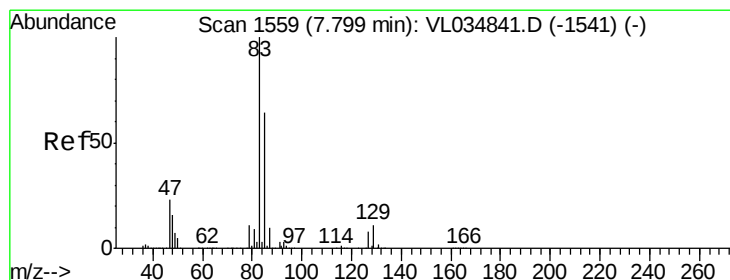
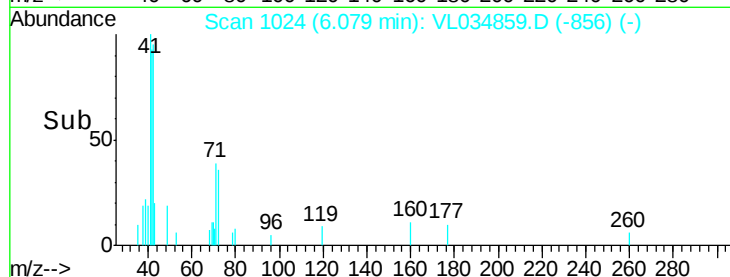
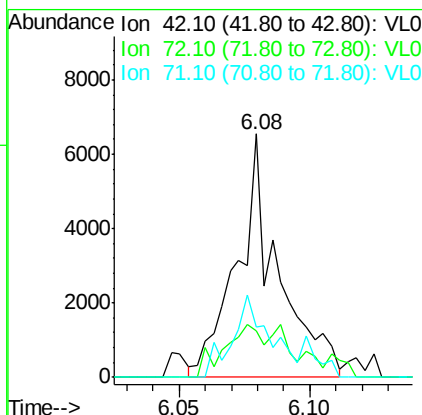
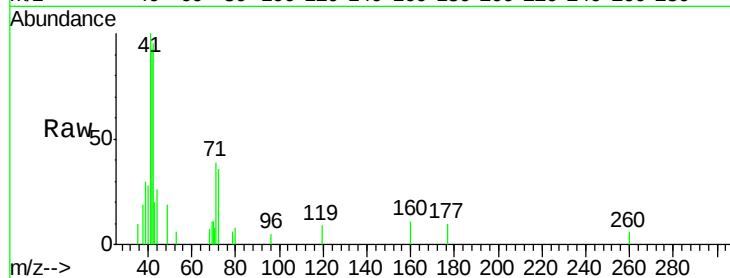
#41
Tetrahydrofuran
Concen: 0.101 ppbv m
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#

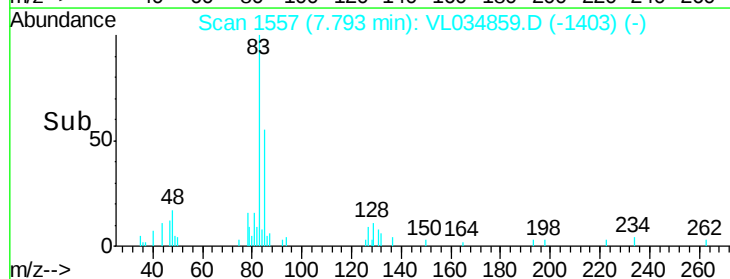
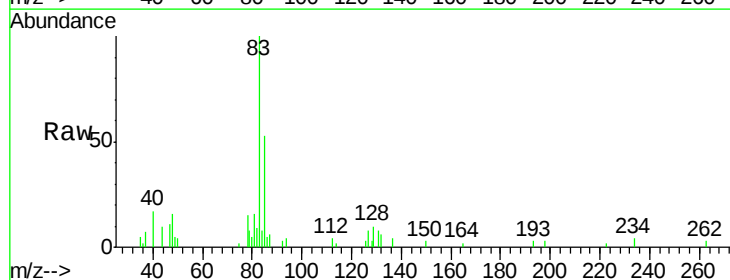
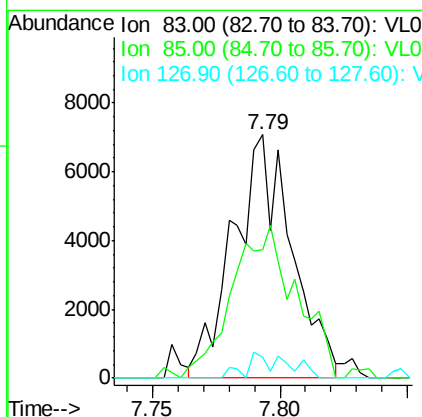
Manual Integrations
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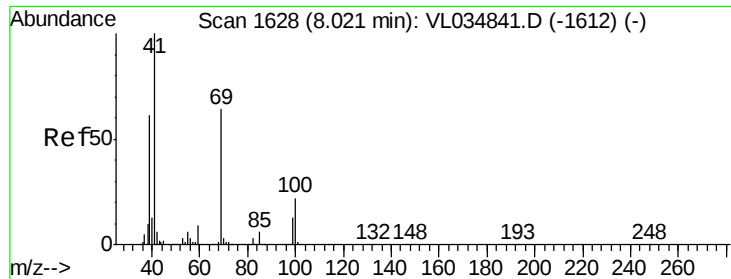
MMDadoda
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#42
Bromodichloromethane
Concen: 0.083 ppbv m
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.8	51.4	77.2
127	8.4	6.2	9.4





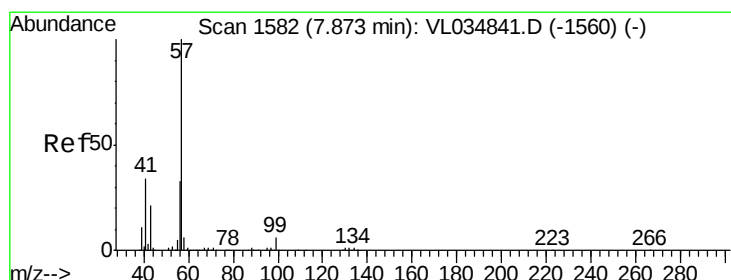
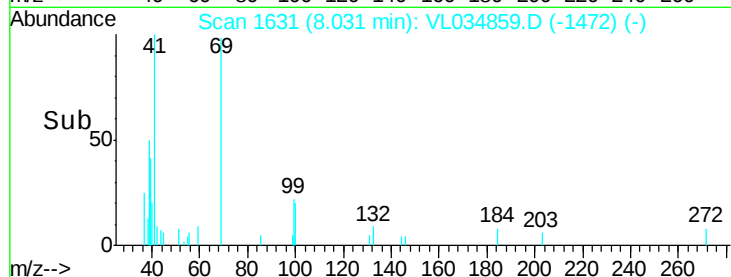
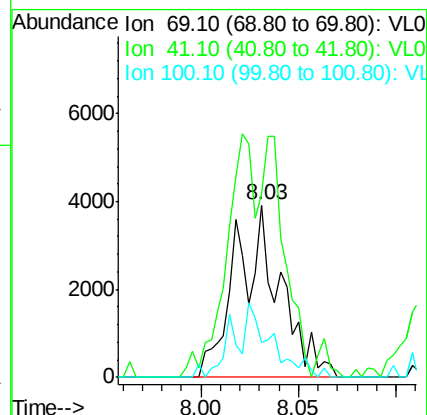
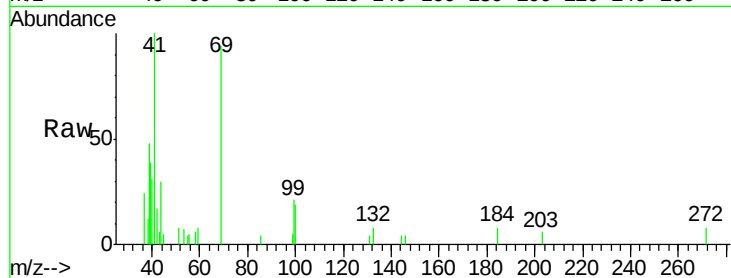
#43
Methvl Methacrilate
Concen: 0.083 ppbv m
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
69	100		
41	172.7	123.2	184.8
100	37.0	26.9	40.3

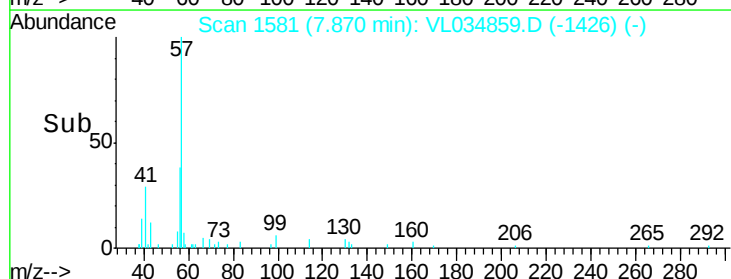
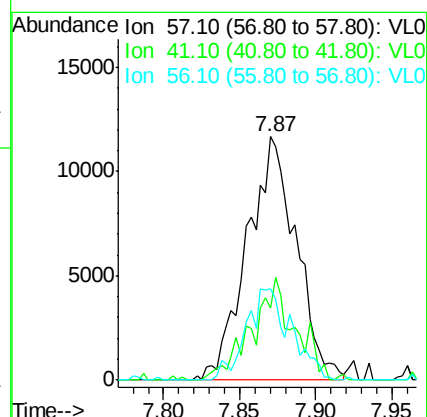
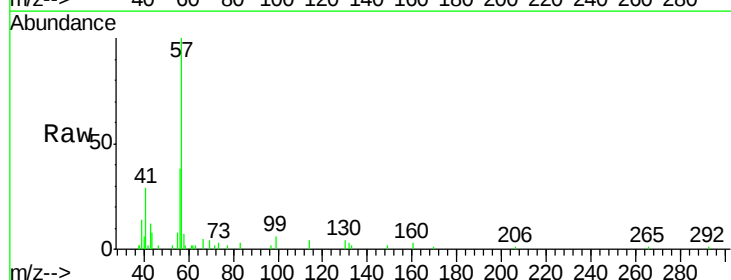
Manual Integrations
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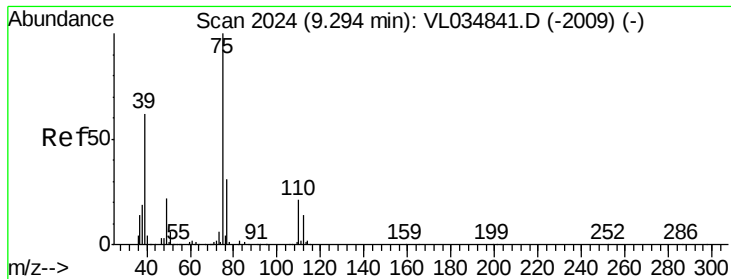
MMDadoda
3/11/2020 3:26:23 PM



#44
2,2,4-Trimethylpentane
Concen: 0.088 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.5	26.2	39.4
56	34.4	25.0	37.4





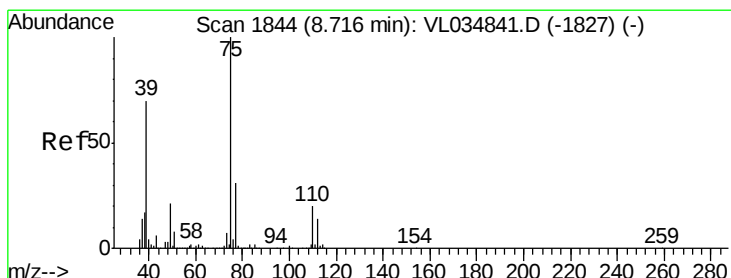
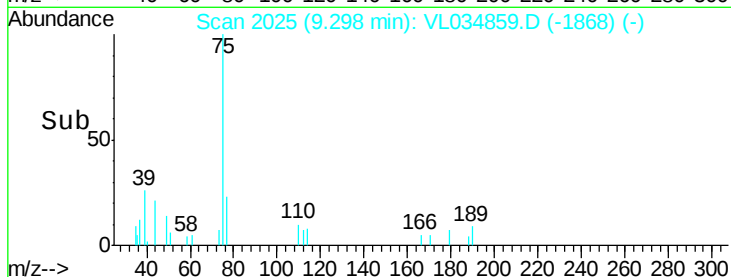
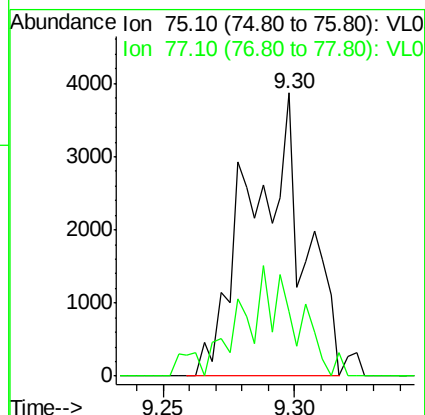
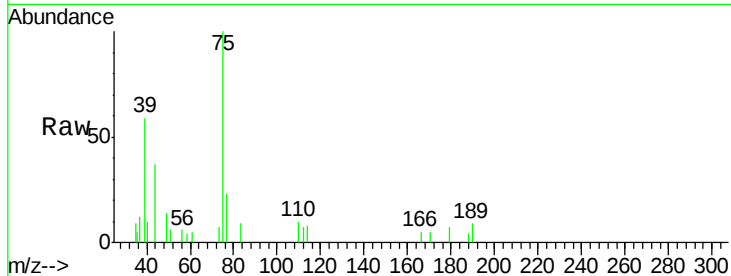
#45
t-1,3-Dichloropropene
Concen: 0.064 ppbv m
RT: 9.30 min Scan# 2025
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 75 Resp: 5590
Ion Ratio Lower Upper
75 100
77 22.7 24.6 37.0#

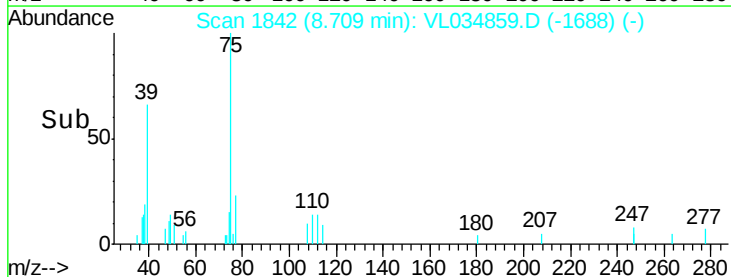
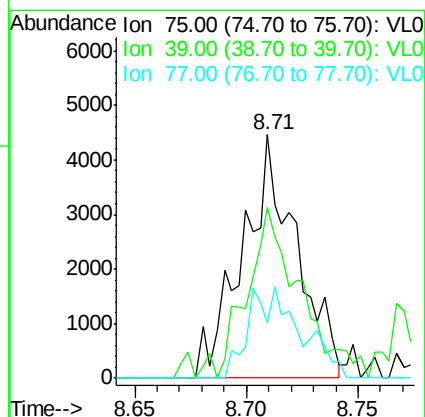
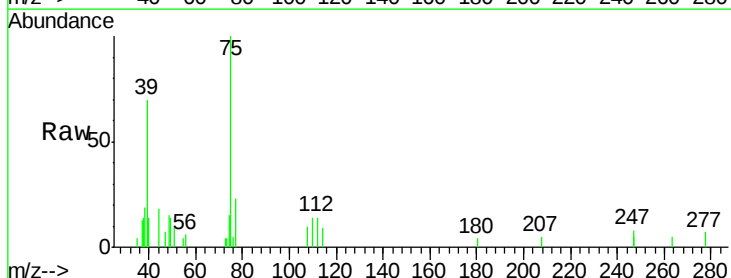
Manual Integrations
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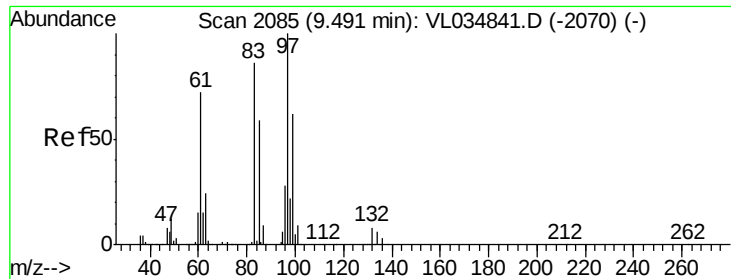
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 0.072 ppbv m
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 75 Resp: 7456
Ion Ratio Lower Upper
75 100
39 70.0 55.7 83.5
77 22.8 24.7 37.1#





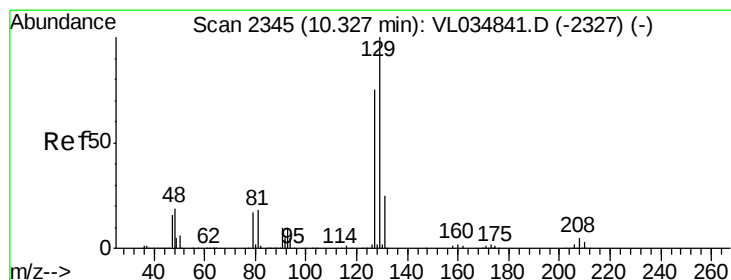
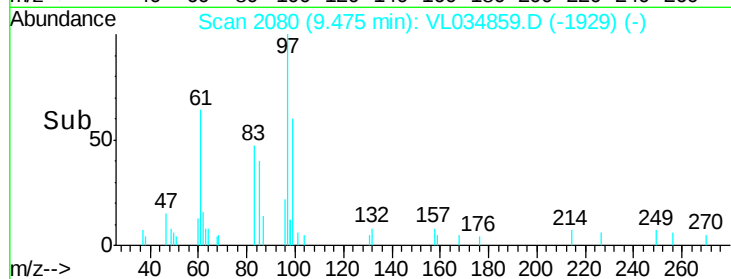
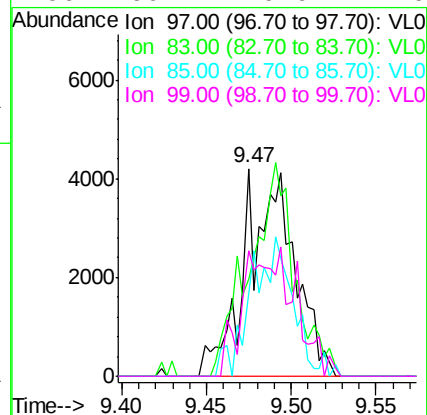
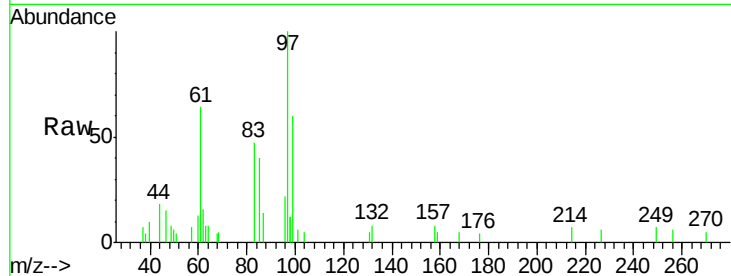
#47
 1,1,2-Trichloroethane
 Concen: 0.117 ppbv m
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.02 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
97	100		
83	46.6	68.6	102.8#
85	40.1	46.9	70.3#
99	60.2	49.9	74.9

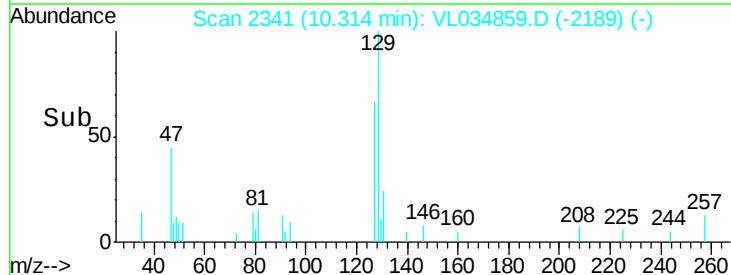
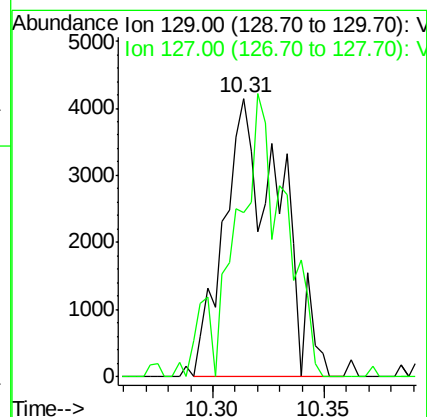
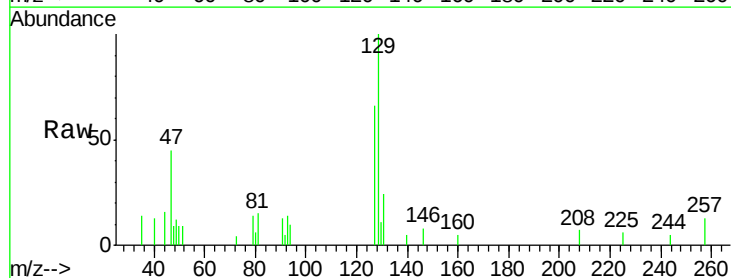
Manual Integrations
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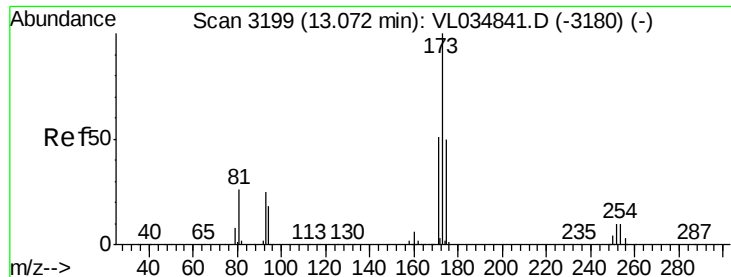
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.062 ppbv m
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.01 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	92.6	39.6	118.7





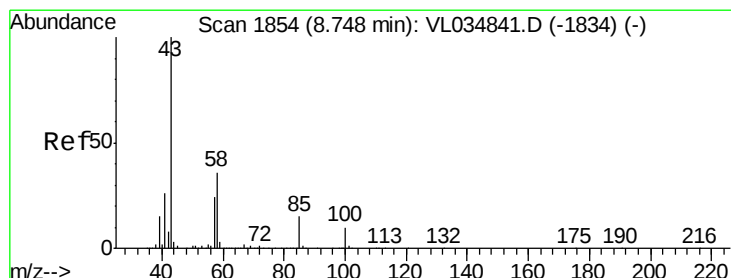
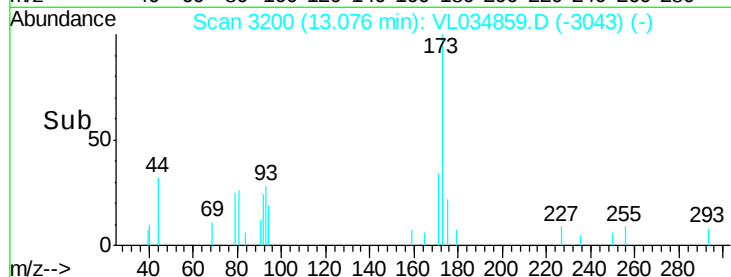
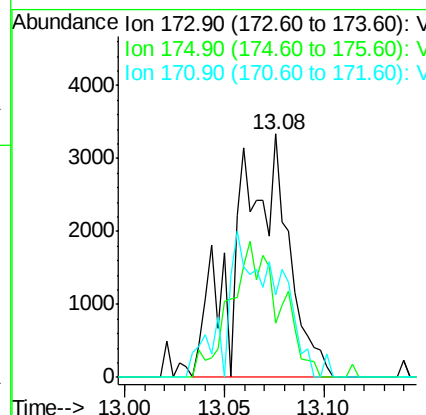
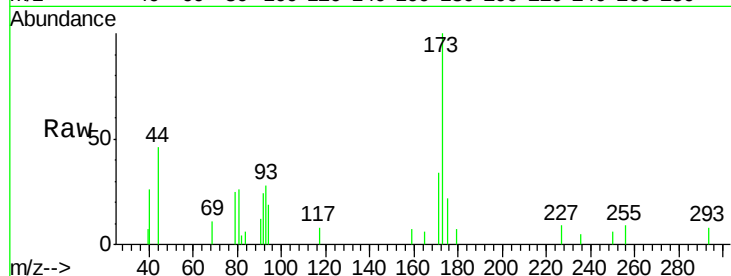
#49
Bromoform
Concen: 0.058 ppbv m
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.8	39.6	59.4
171	0.0	41.0	61.6#

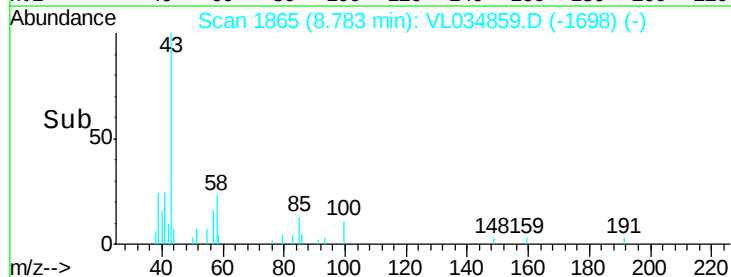
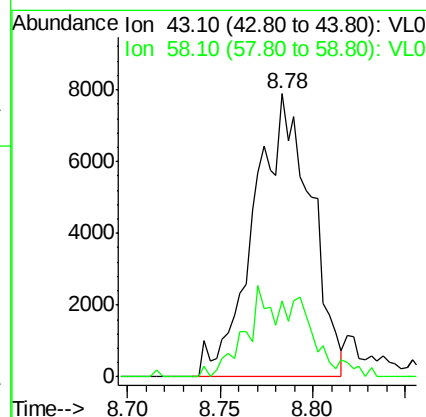
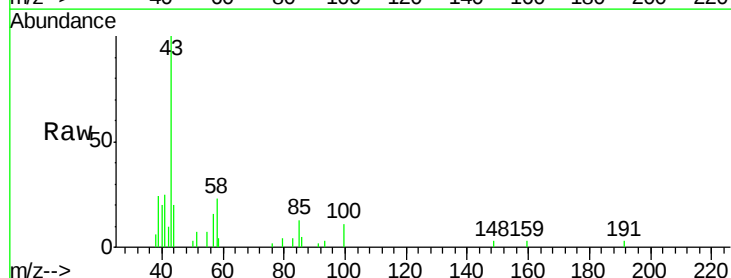
Manual Integrations
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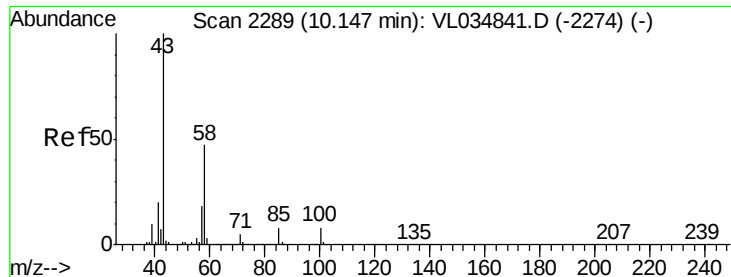
MMDadoda
3/11/2020 3:26:23 PM



#50
4-Methyl-2-Pentanone
Concen: 0.089 ppbv m
RT: 8.78 min Scan# 1865
Delta R.T. 0.04 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	42.8#





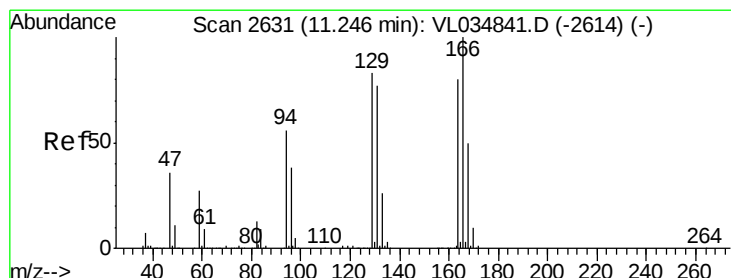
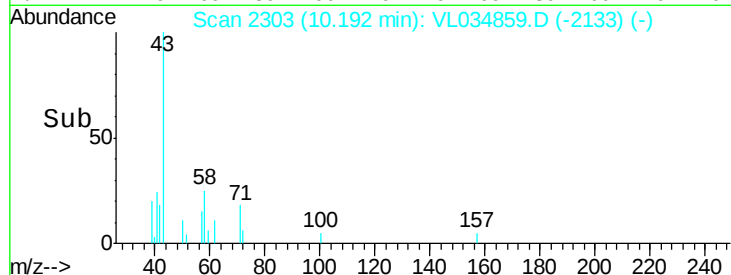
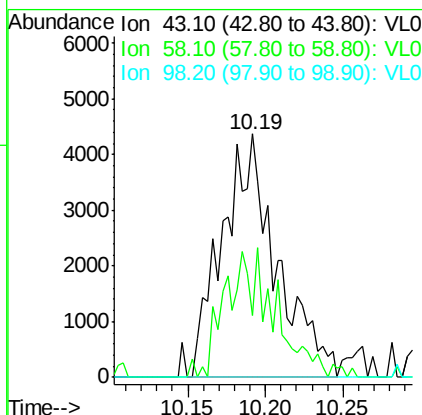
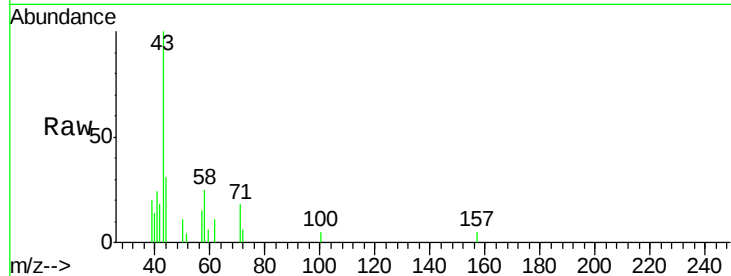
#51
2-Hexanone
Concen: 0.069 ppbv m
RT: 10.19 min Scan# 2303
Delta R.T. 0.05 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	58.0#
98	0.0	0.1	0.1#

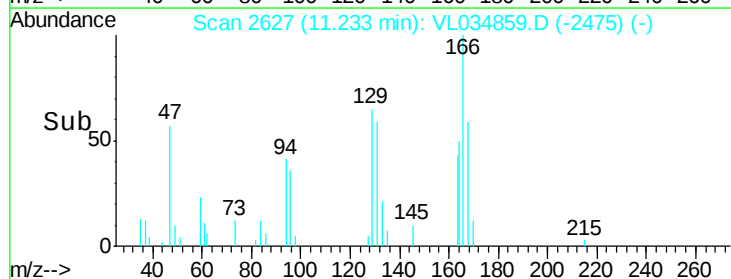
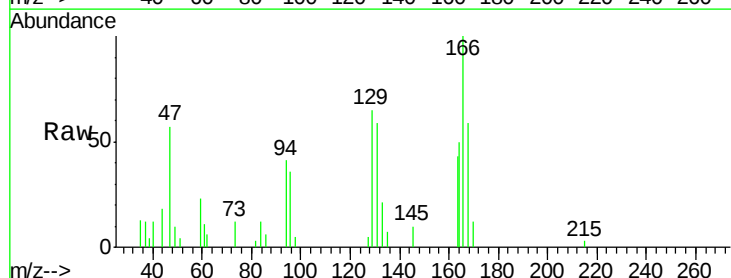
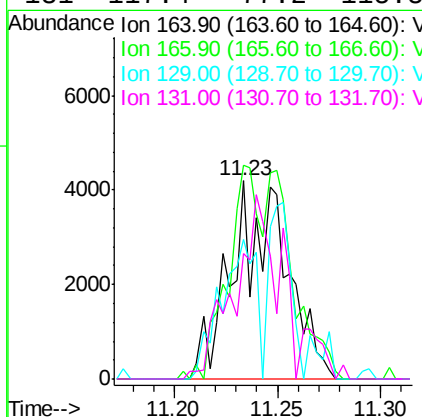
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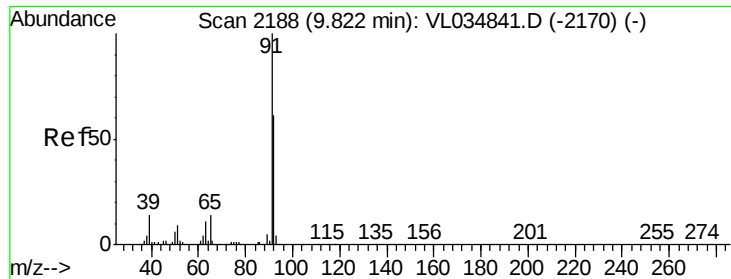
MMDadoda
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#52
Tetrachloroethene
Concen: 0.110 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	199.7	100.0	150.0#
129	129.9	83.1	124.7#
131	117.4	77.2	115.8#





#53

Toluene

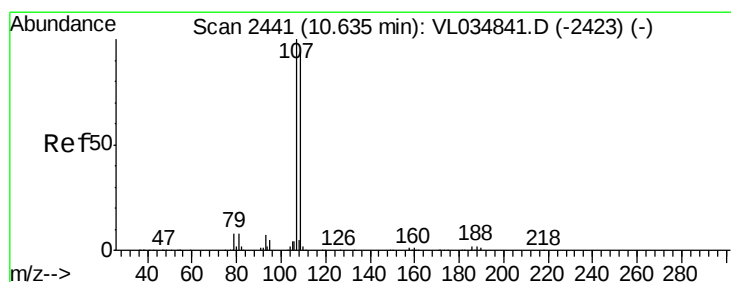
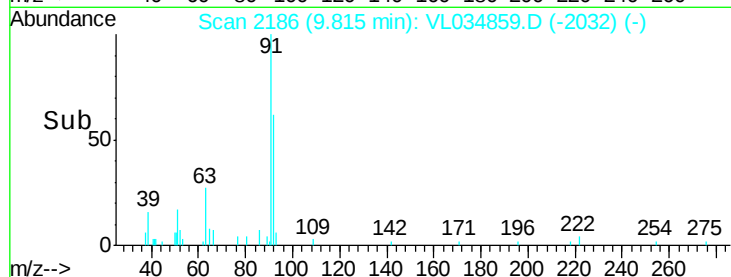
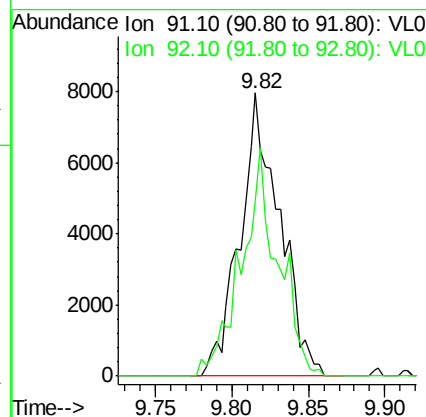
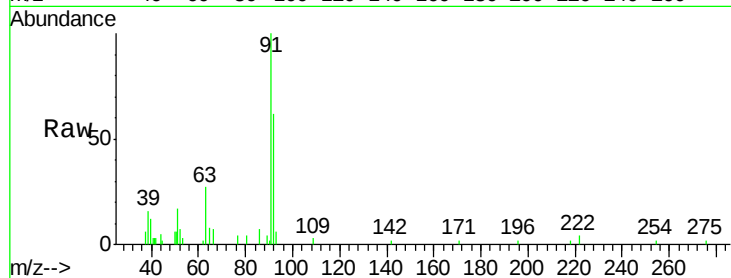
Concen: 0.071 ppbv m
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	74.2	48.6	72.8#

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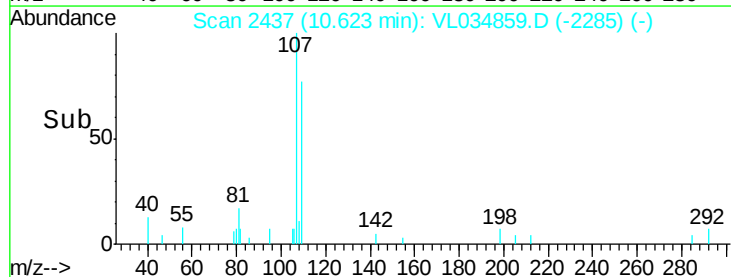
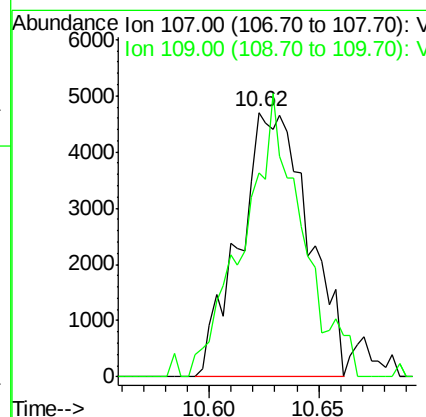
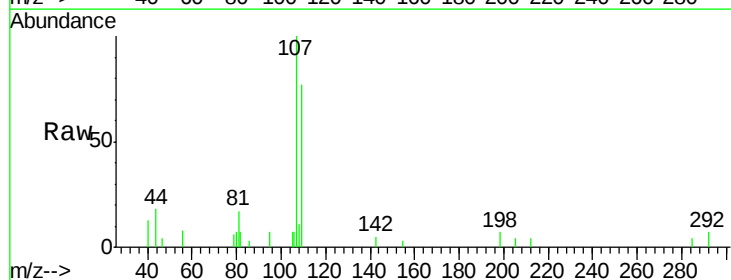


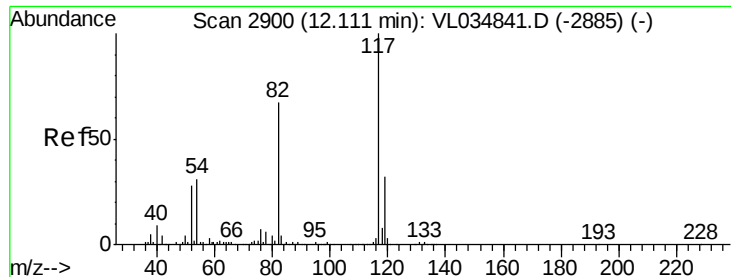
#54

1,2-Dibromoethane

Concen: 0.096 ppbv m
RT: 10.62 min Scan# 2437
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	76.9	74.9	112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:117 Resp: 1916548

Ion Ratio Lower Upper

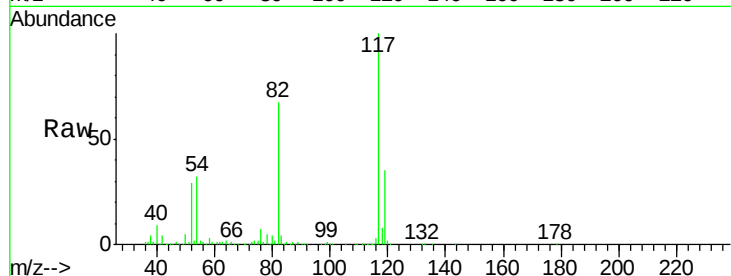
117 100

82 66.9 51.1 76.7

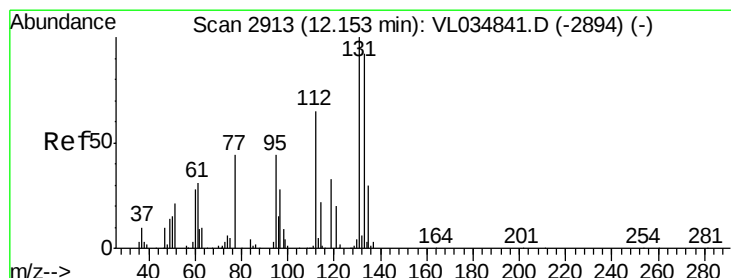
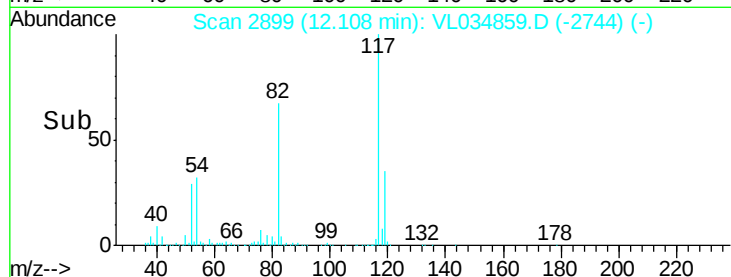
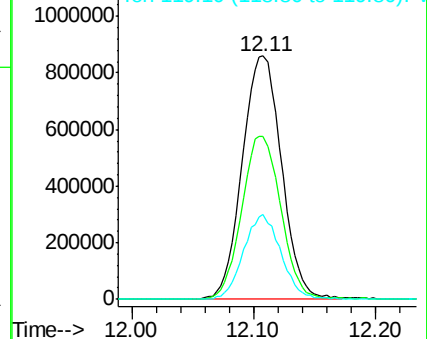
119 33.3 27.3 40.9

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.084 ppbv m

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

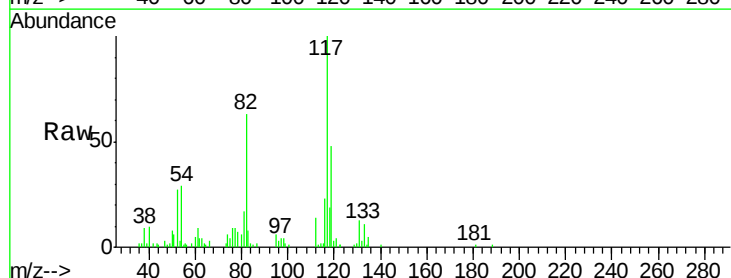
Tgt Ion:131 Resp: 7267

Ion Ratio Lower Upper

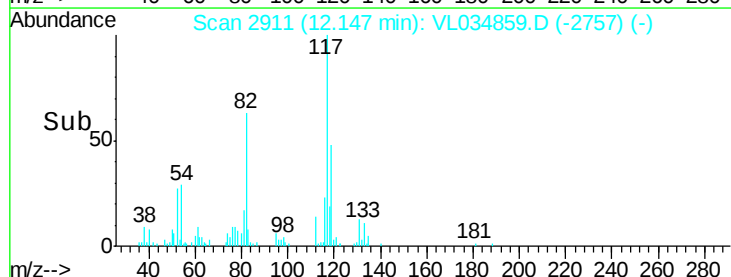
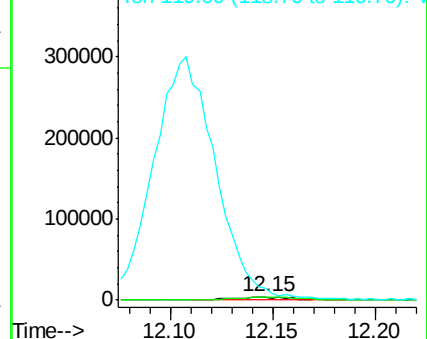
131 100

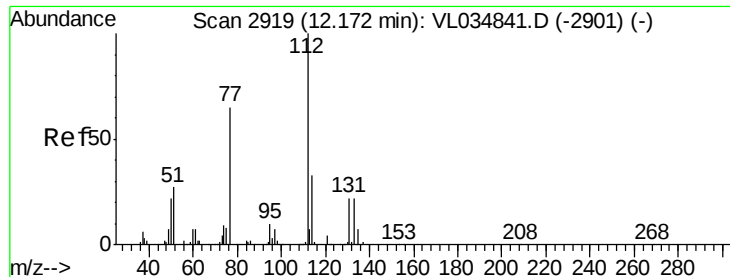
133 109.6 76.0 114.0

119 0.0 47.8 71.8#



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: 0.122 ppbv m

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

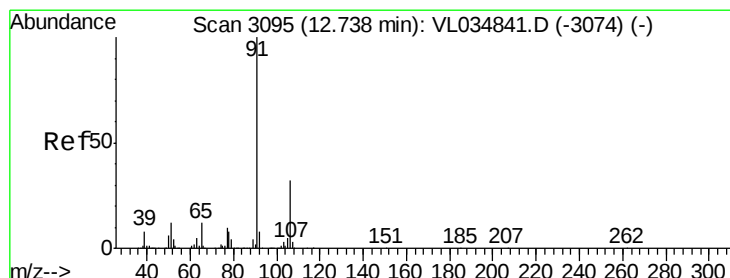
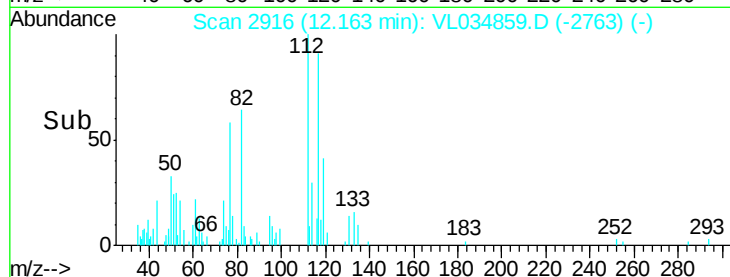
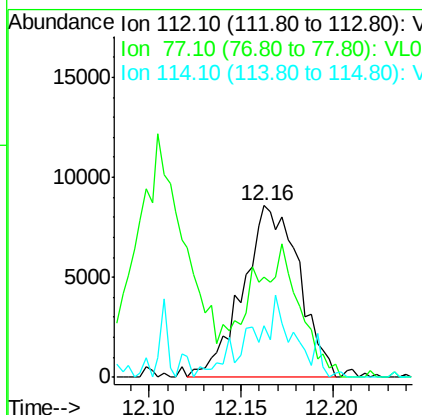
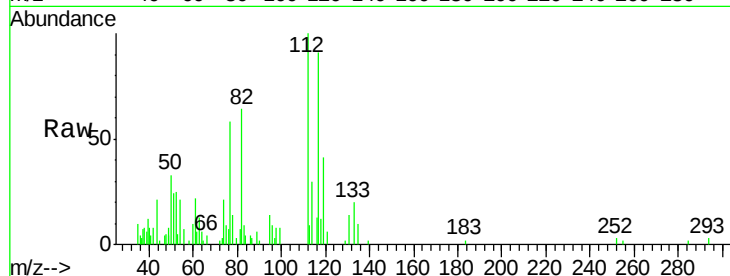
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	112	Resp:	18355
Ion Ratio	Lower	Upper	
112	100		
77	58.0	53.0	79.6
114	29.8	29.5	36.1

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#58

Ethyl Benzene

Concen: 0.089 ppbv m

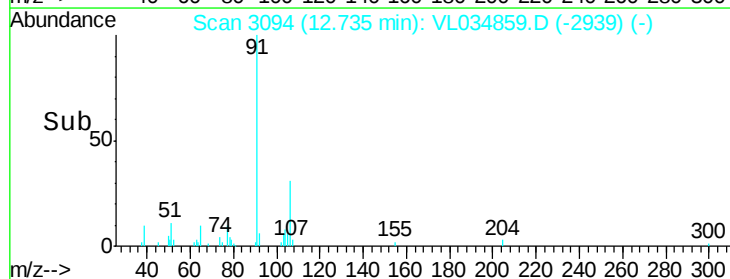
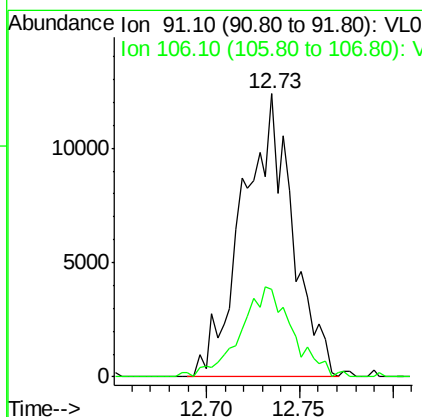
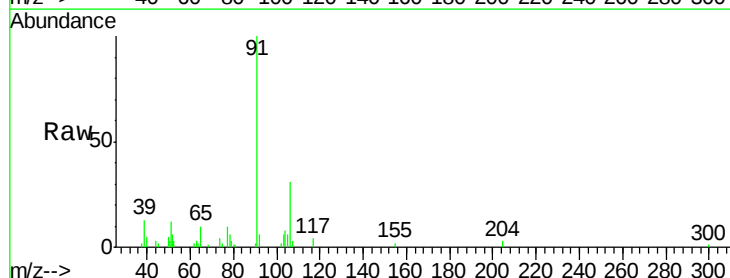
RT: 12.73 min Scan# 3094

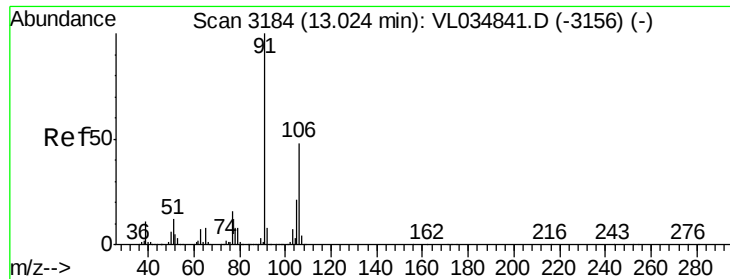
Delta R.T. -0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion:	91	Resp:	22978
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.8	38.6





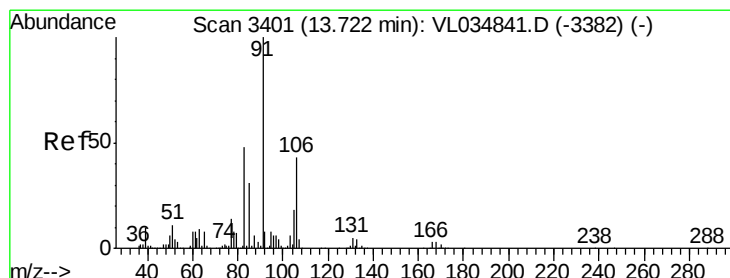
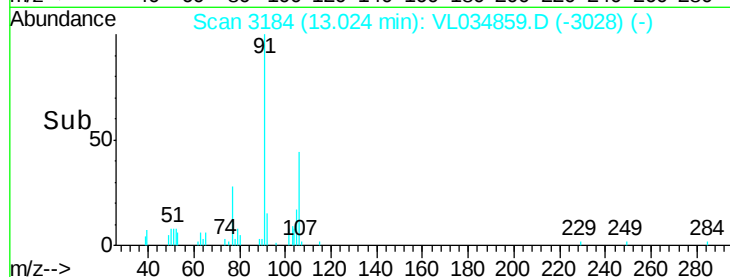
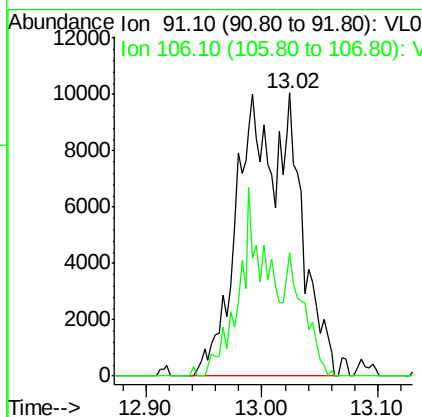
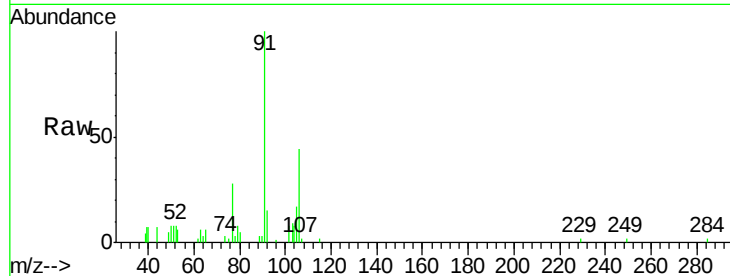
#59
m/p-Xylene
Concen: 0.161 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 91 Resp: 34949
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#

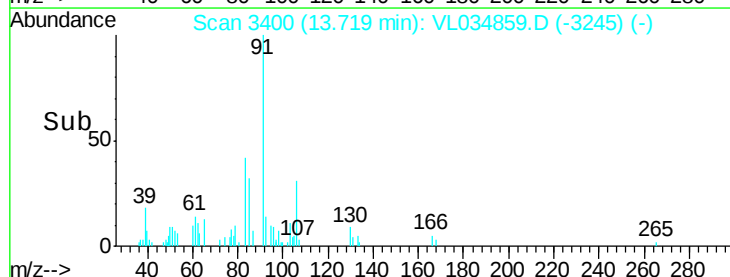
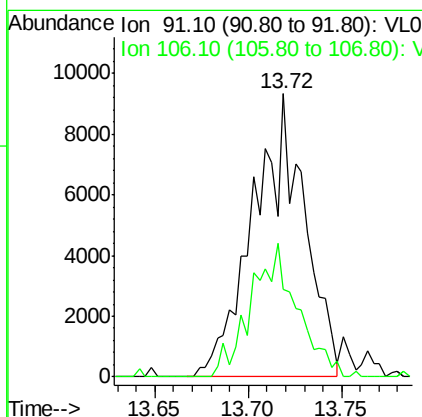
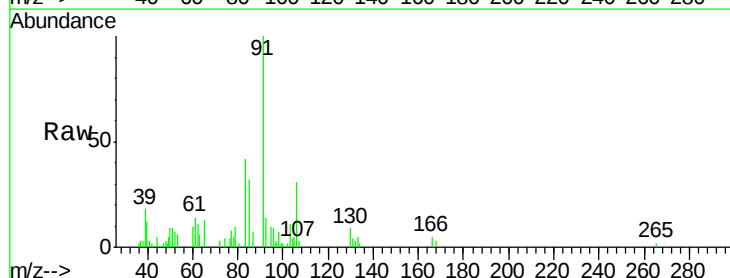
Manual Integrations
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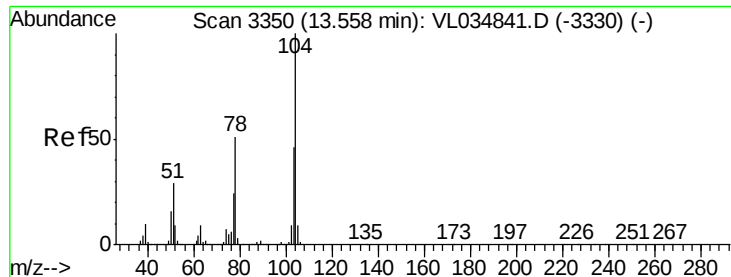
MMDadoda
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#60
o-Xylene
Concen: 0.084 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 91 Resp: 17770
Ion Ratio Lower Upper
91 100
106 42.8 22.5 67.5





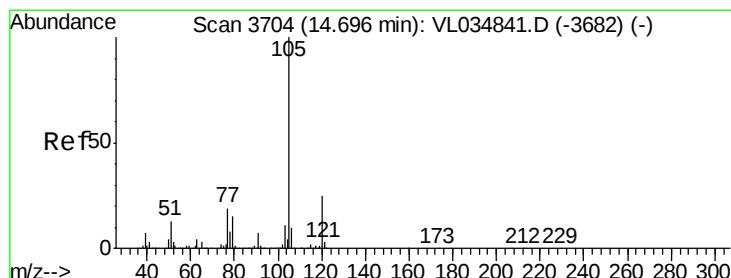
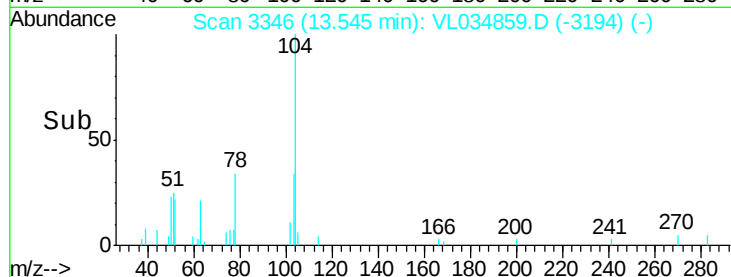
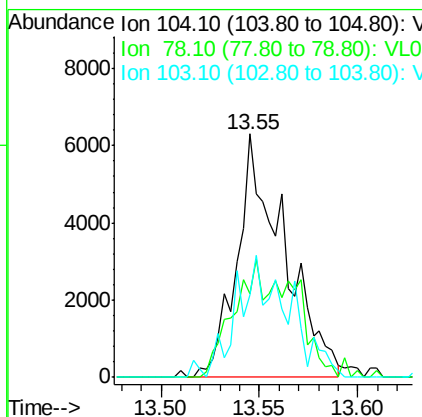
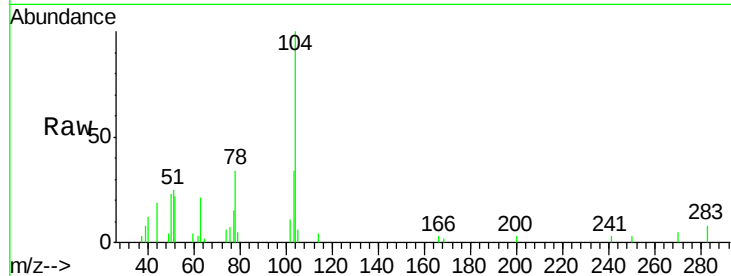
#61
Stvrene
Concen: 0.070 ppbv m
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	10415		
78	0.0	41.8	62.6#	
103	0.0	37.8	56.6#	

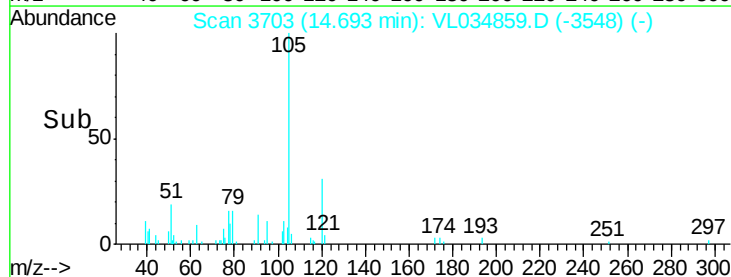
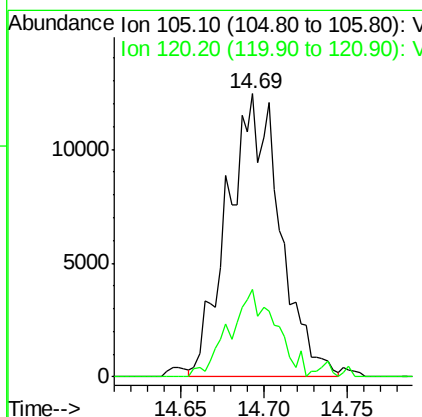
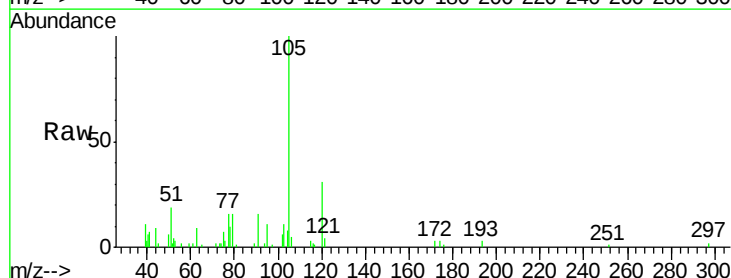
Manual Integrations
APPROVED

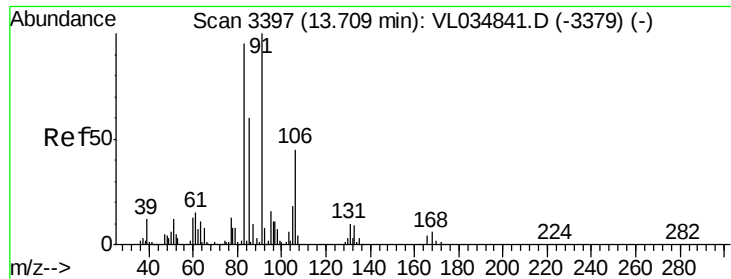
MMDadoda
3/11/2020 3:26:23 PM



#62
Isopropylbenzene
Concen: 0.085 ppbv m
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	27369		
120	29.0	21.0	31.4	





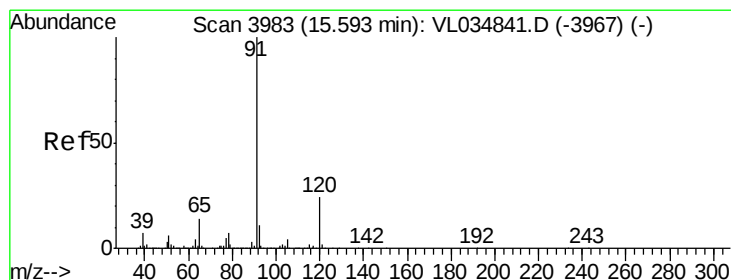
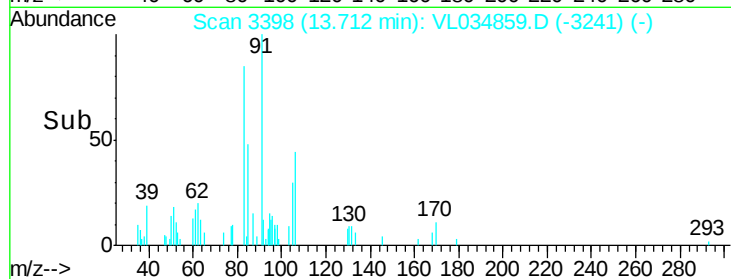
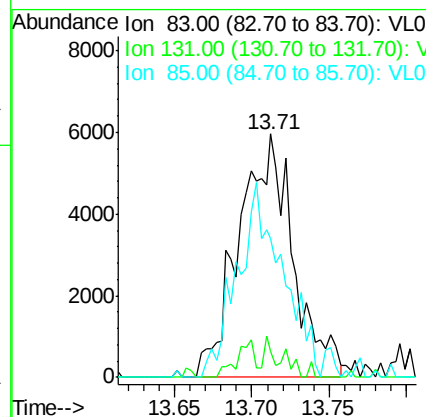
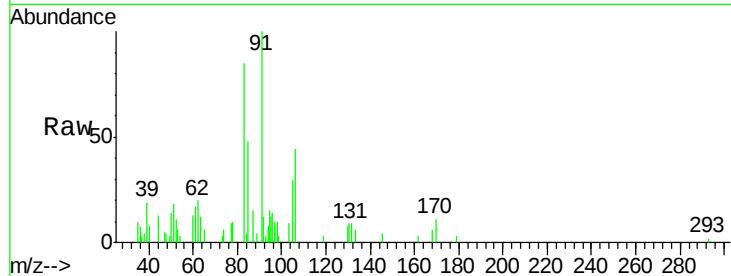
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.100 ppbv m
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	83	Resp	14483
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	70.4	32.4	97.2

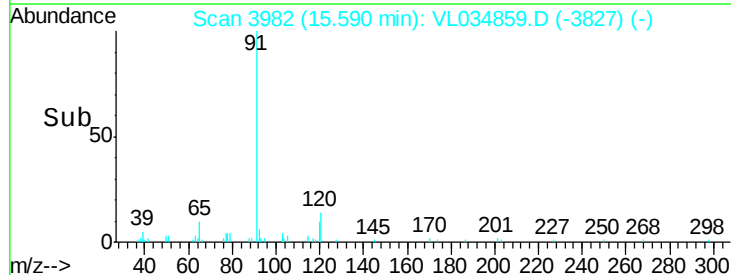
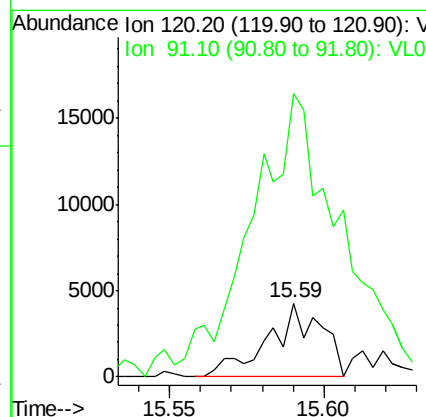
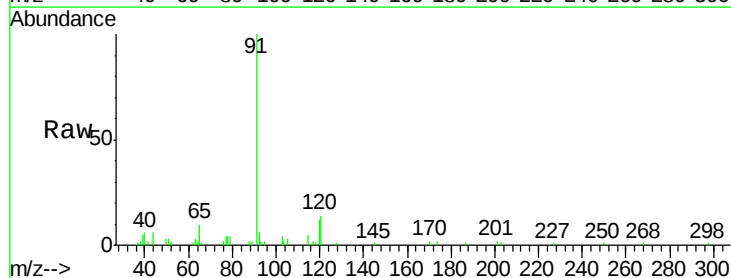
Manual Integrations
 APPROVED

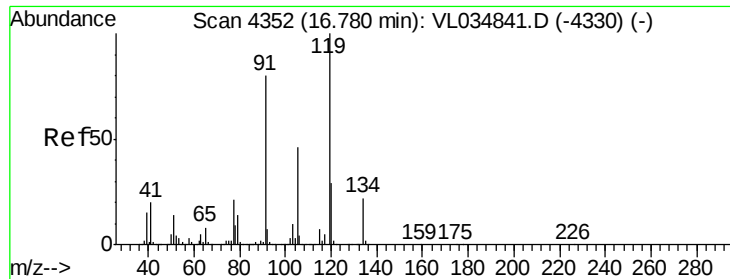
MMDadoda
 3/11/2020 3:26:23 PM



#64
 n-propylbenzene
 Concen: 0.061 ppbv m
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	120	Resp	5077
Ion Ratio	100	Lower	Upper
120	100		
91	695.7	360.9	541.3#





#65

tert-Butylbenzene

Concen: 0.059 ppbv m

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

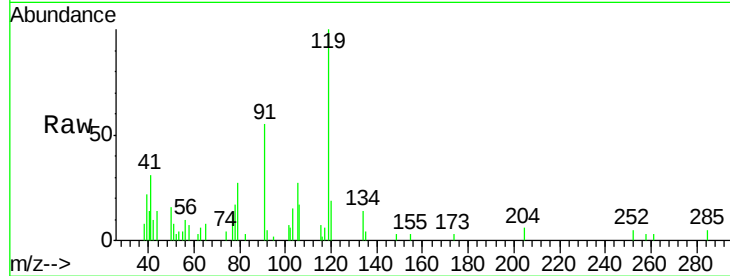
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	119	Resp:	16561
Ion Ratio	Lower	Upper	
119	100		
91	0.0	64.9	97.3#
134	0.0	15.9	23.9#

Manual Integrations
APPROVED

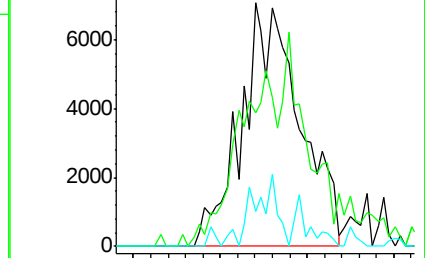
MMDadoda
3/11/2020 3:26:23 PM



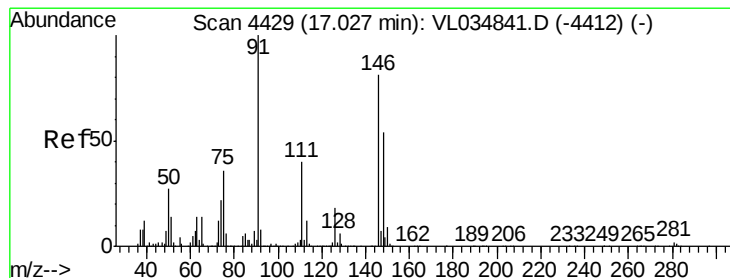
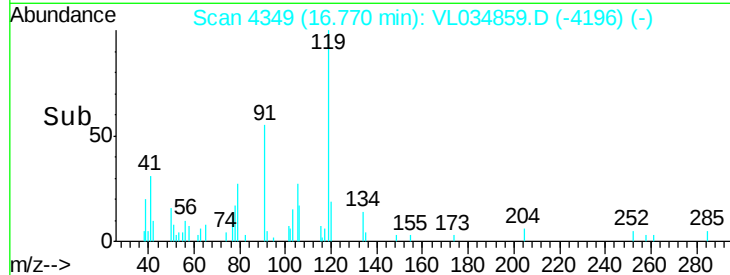
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time--> 16.70 16.75 16.80



#66

Benzyl Chloride

Concen: 0.056 ppbv m

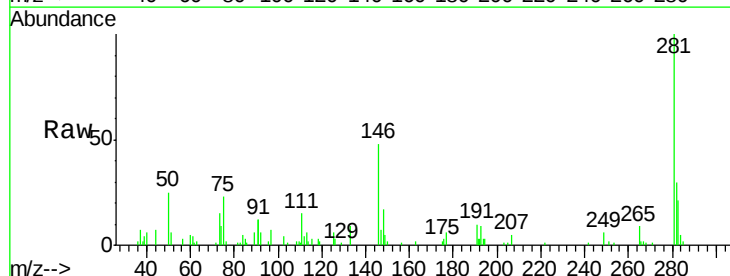
RT: 17.03 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

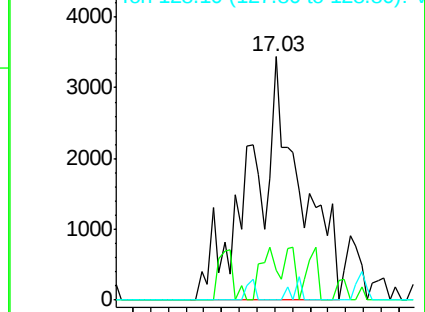
Tgt Ion:	91	Resp:	6497
Ion Ratio	Lower	Upper	
91	100		
126	0.0	14.7	22.1#
128	1.5	4.7	7.1#



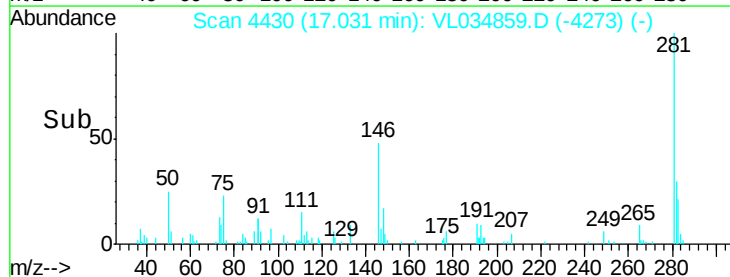
Abundance Ion 91.10 (90.80 to 91.80): VL0

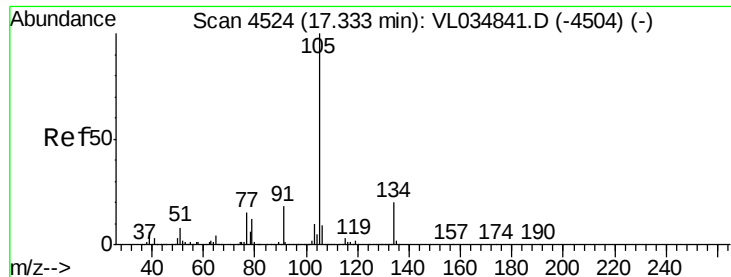
Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



Time--> 16.95 17.00 17.05





#67

sec-Butylbenzene

Concen: 0.066 ppbv m

RT: 17.33 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 105 Resp: 25805

Ion Ratio Lower Upper

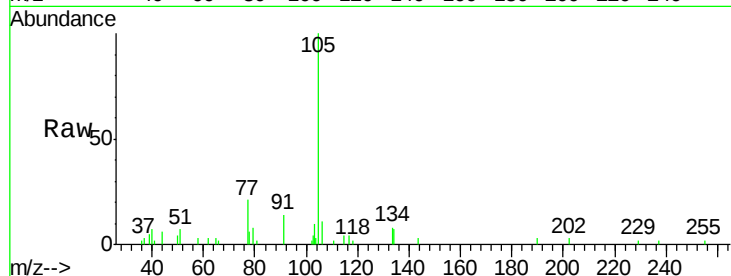
105 100

134 0.0 15.0 22.6#

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

10000

8000

6000

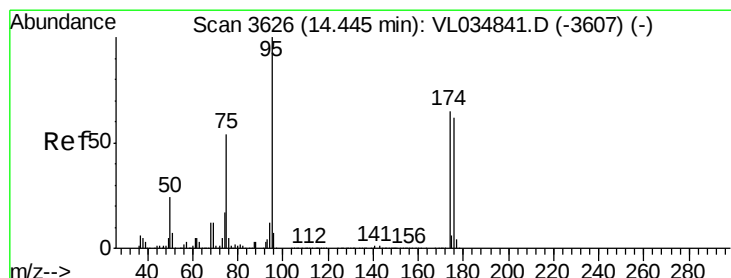
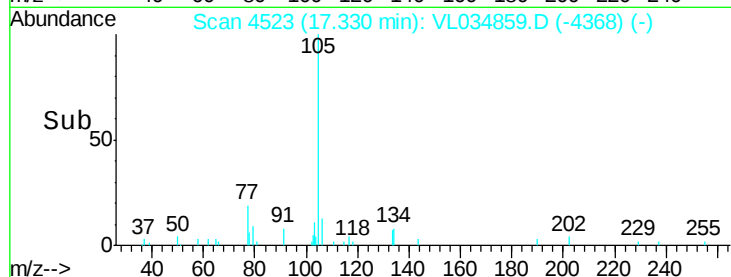
4000

2000

0

Time-->

17.25 17.30 17.35 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.422 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

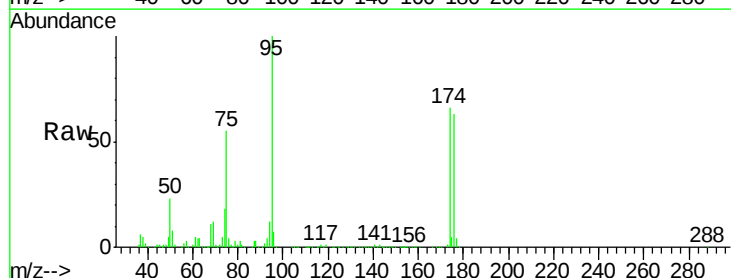
Tgt Ion: 95 Resp: 1557729

Ion Ratio Lower Upper

95 100

174 66.9 55.2 82.8

175 5.1 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.44

800000

600000

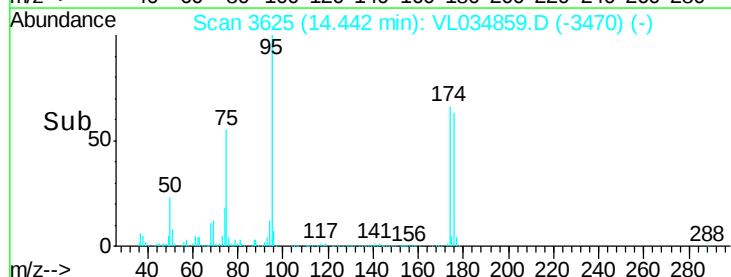
400000

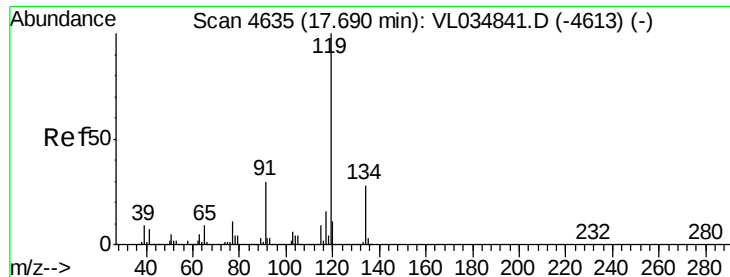
200000

0

Time-->

14.40 14.45





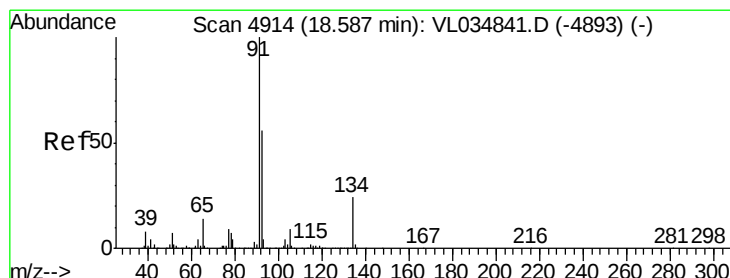
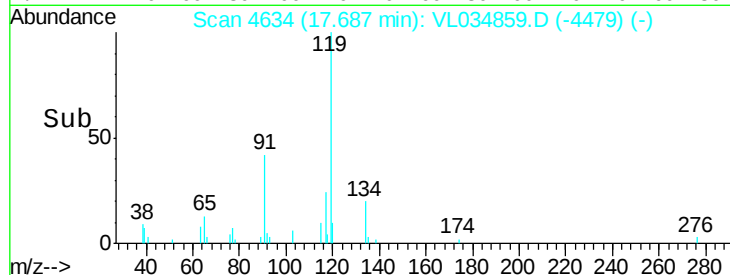
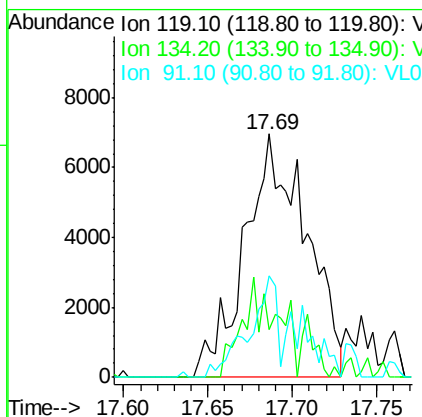
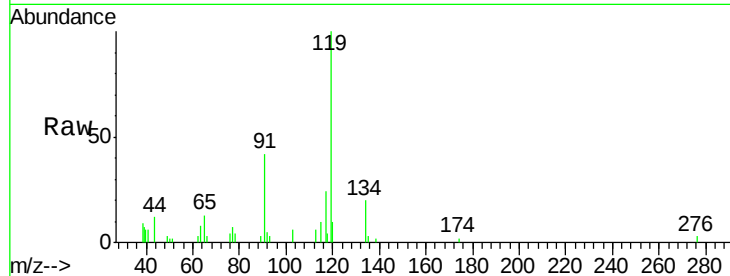
#69
p-Isopropyltoluene
Concen: 0.054 ppbv m
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	31.5	20.6	30.8#
91	33.3	23.4	35.2

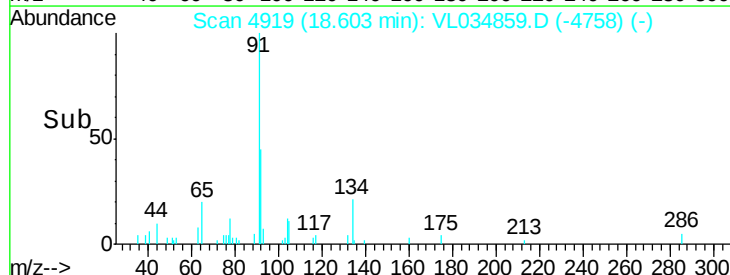
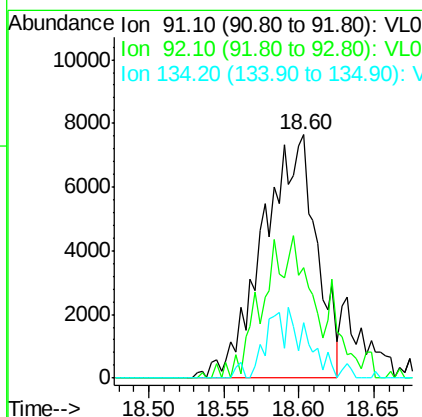
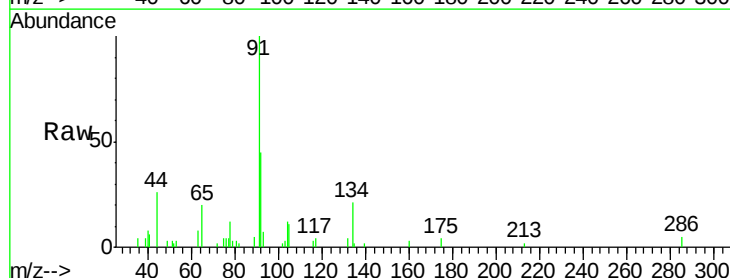
Manual Integrations
APPROVED

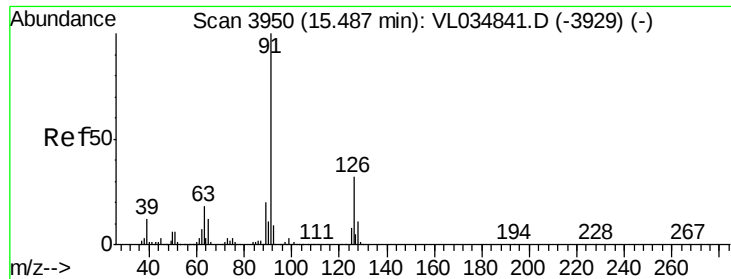
MMDadoda
3/11/2020 3:26:23 PM



#70
n-Butylbenzene
Concen: 0.057 ppbv m
RT: 18.60 min Scan# 4919
Delta R.T. 0.02 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	0.0	43.8	65.6#
134	0.0	19.0	28.4#





#71

2-Chlorotoluene

Concen: 0.087 ppbv m

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 91 Resp: 21219

Ion Ratio Lower Upper

91 100

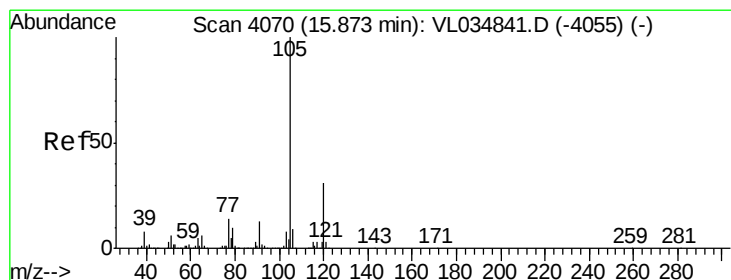
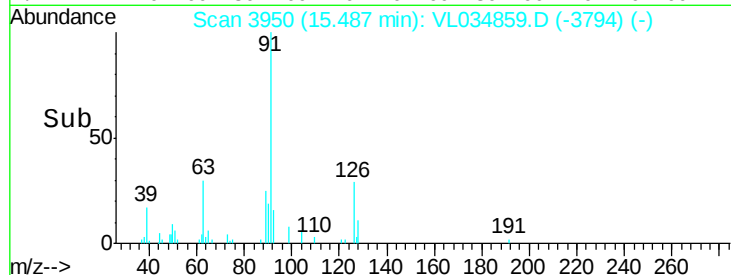
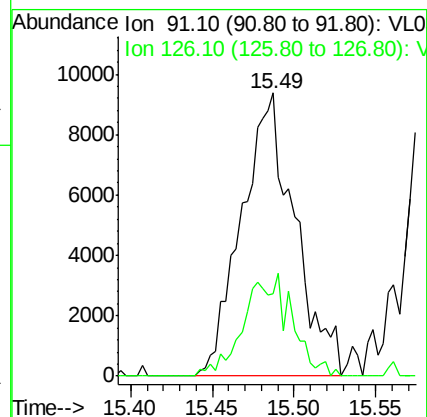
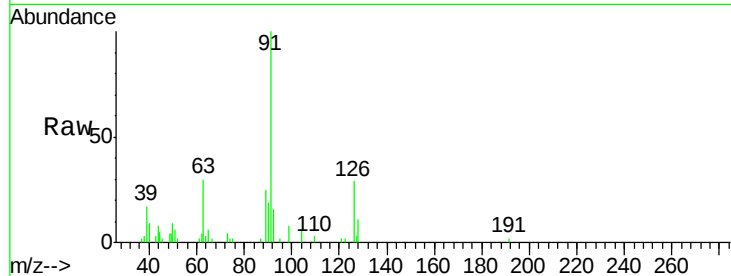
126 32.2 12.3 49.1

Manual Integrations

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3/11/2020 3:26:23 PM



#72

4-Ethyltoluene

Concen: 0.066 ppbv m

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion: 105 Resp: 16444

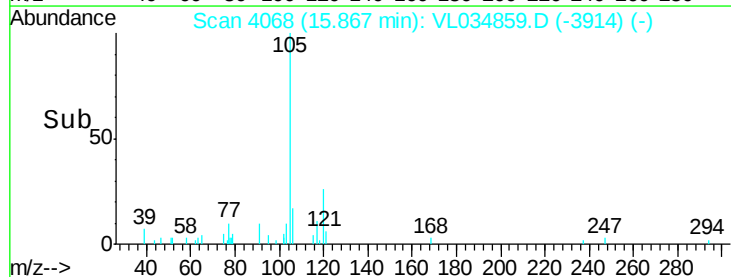
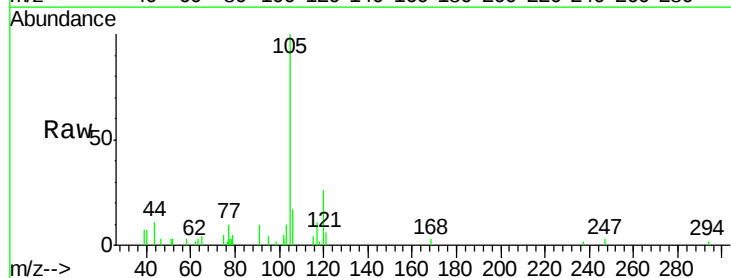
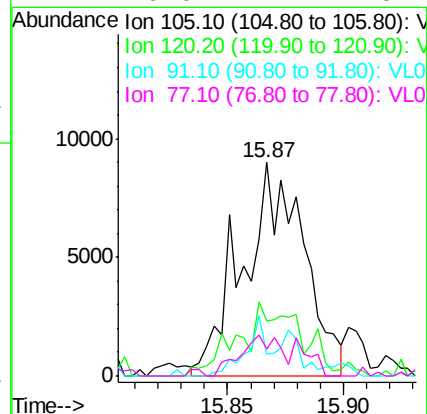
Ion Ratio Lower Upper

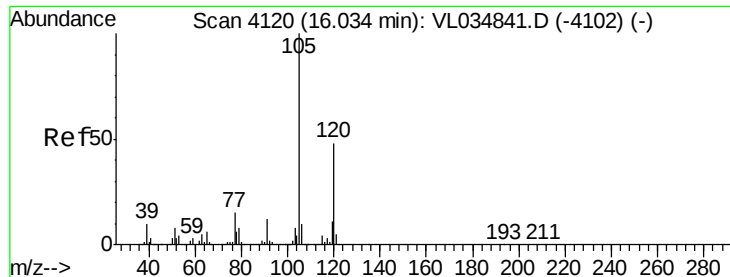
105 100

120 0.0 23.7 35.5#

91 0.0 10.5 15.7#

77 0.0 11.1 16.7#





#73

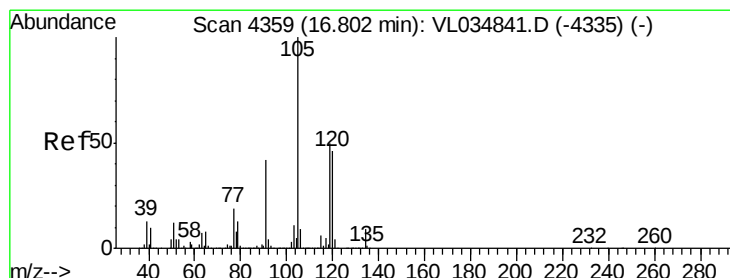
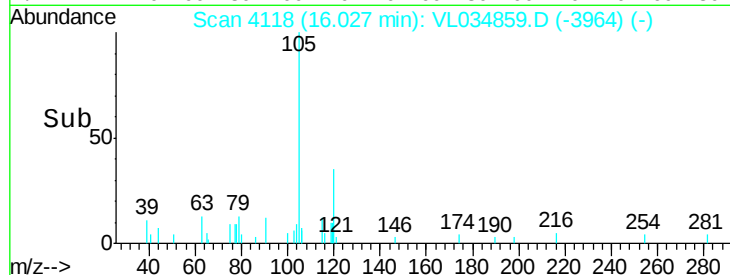
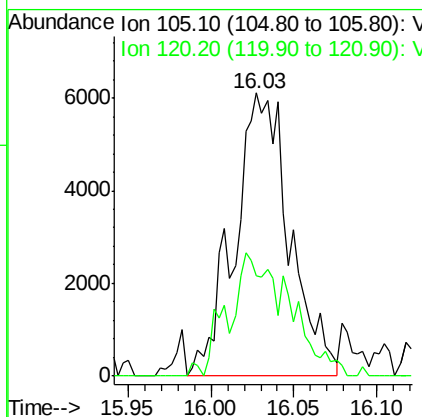
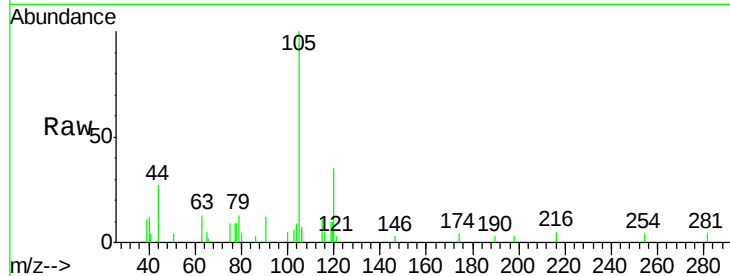
1,3,5-Trimethylbenzene
Concen: 0.061 ppbv m
RT: 16.03 min Scan# 4118
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	35.3	38.6	58.0#

Manual Integrations
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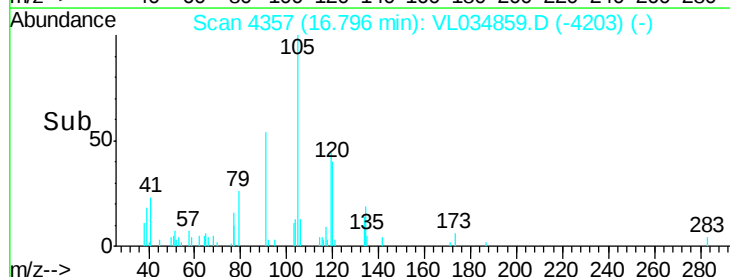
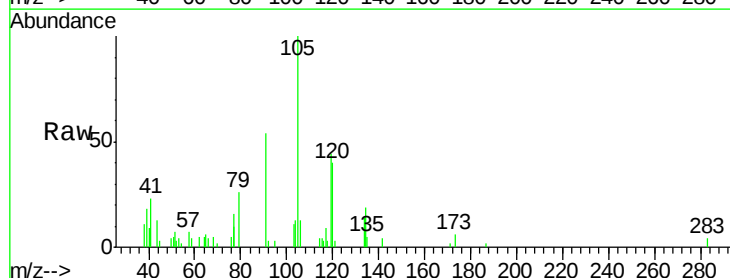
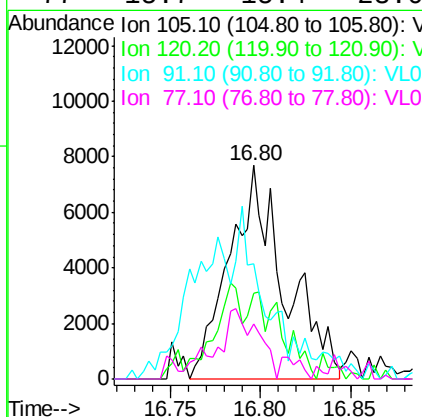
MMDadoda
3/11/2020 3:26:23 PM

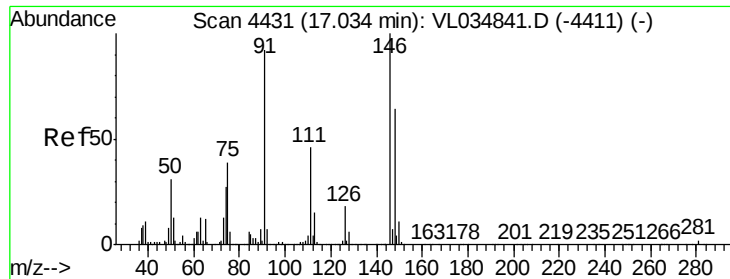


#74

1,2,4-Trimethylbenzene
Concen: 0.068 ppbv m
RT: 16.80 min Scan# 4357
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.9	37.0	55.4
91	53.9	33.8	50.6#
77	15.7	15.4	23.0





#75

1,3-Dichlorobenzene

Concen: 0.104 ppbv m

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Instrument :

MSVOA_L

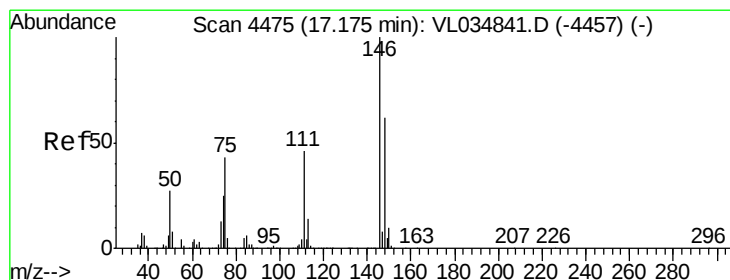
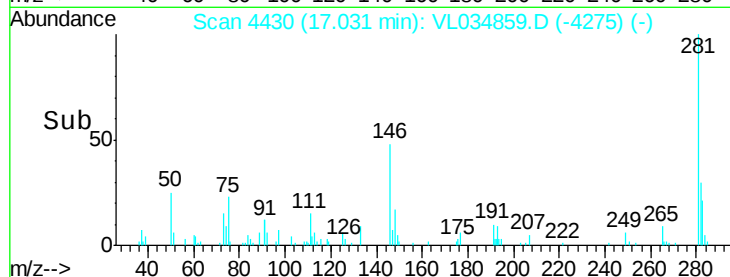
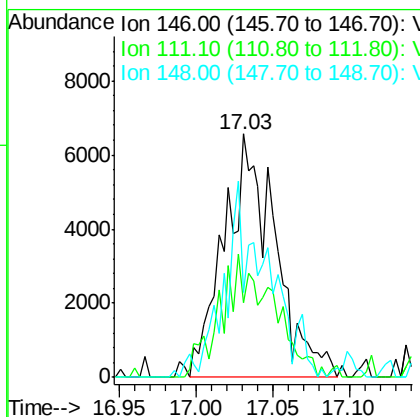
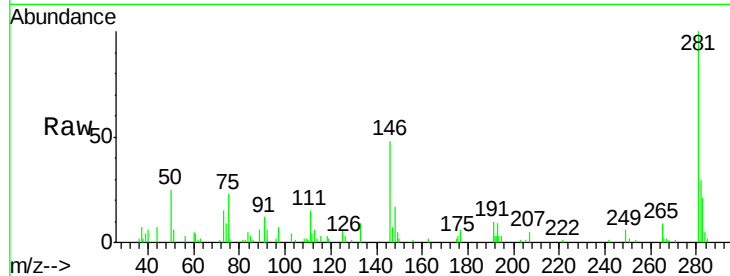
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	146	Resp:	15145
Ion Ratio	Lower	Upper	
146	100		
111	52.3	23.9	71.7
148	67.5	32.5	97.5

Manual Integrations
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MMDadoda
3/11/2020 3:26:23 PM



#76

1,4-Dichlorobenzene

Concen: 0.104 ppbv m

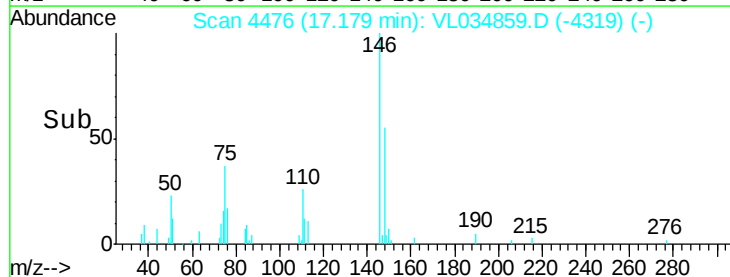
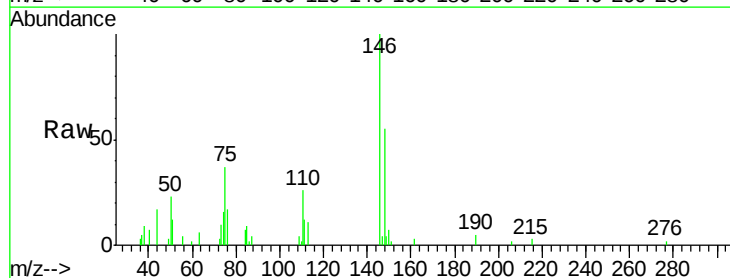
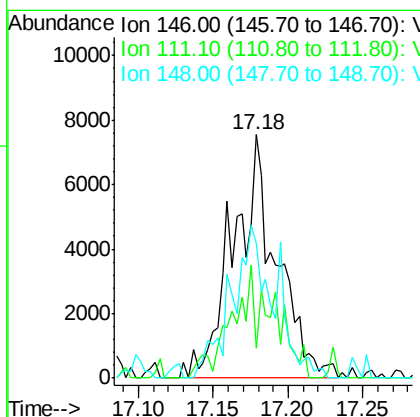
RT: 17.18 min Scan# 4476

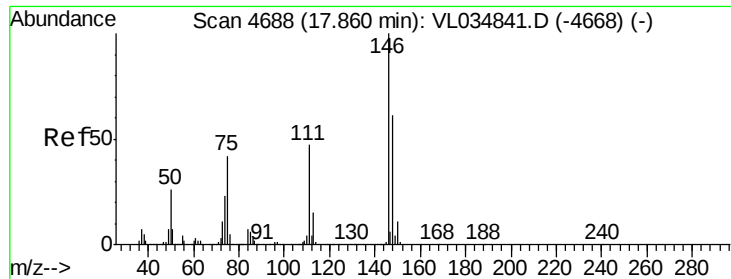
Delta R.T. 0.00 min

Lab File: VL034859.D

Acq: 10 Mar 2020 4:21

Tgt Ion:	146	Resp:	15092
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.4	70.2#
148	0.0	32.3	96.9#





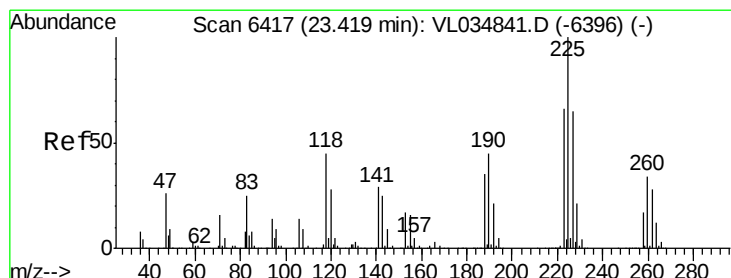
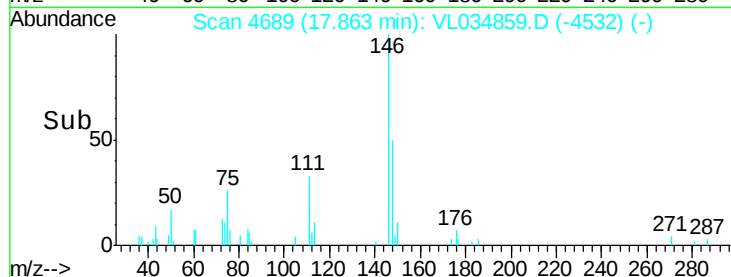
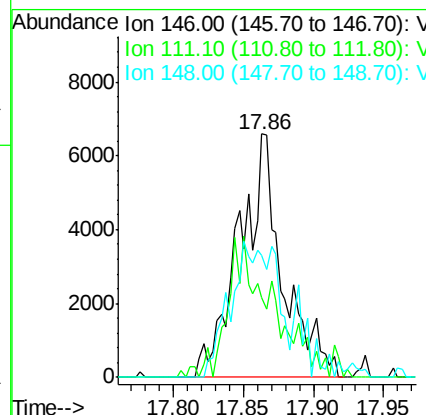
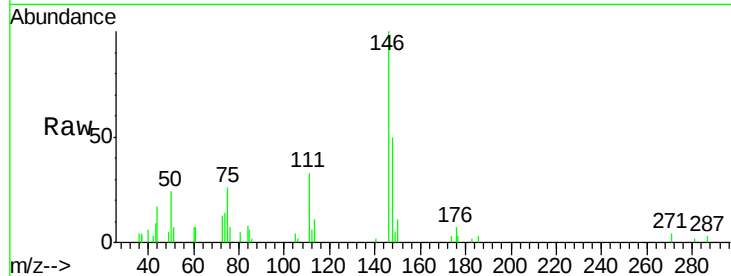
#77
 1,2-Dichlorobenzene
 Concen: 0.100 ppbv m
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.6	23.8	71.4
148	71.1	31.6	94.8

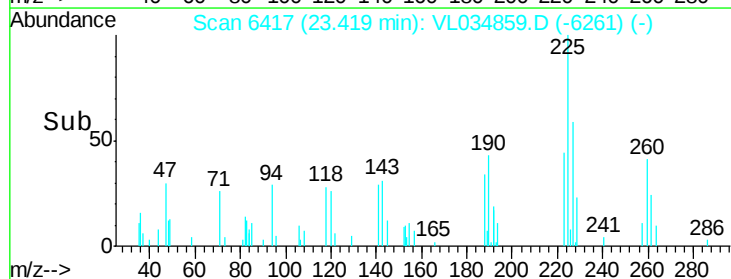
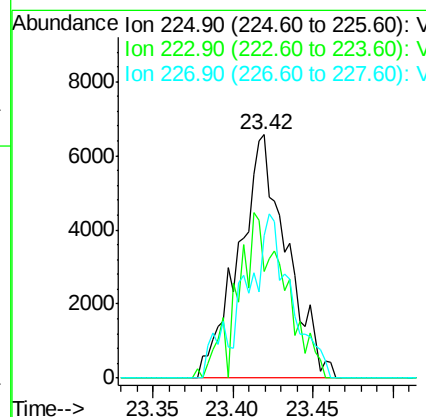
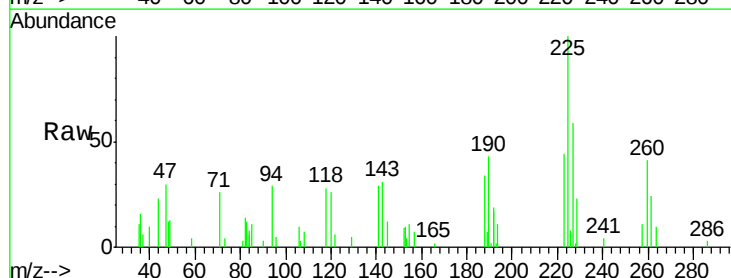
Manual Integrations
 APPROVED

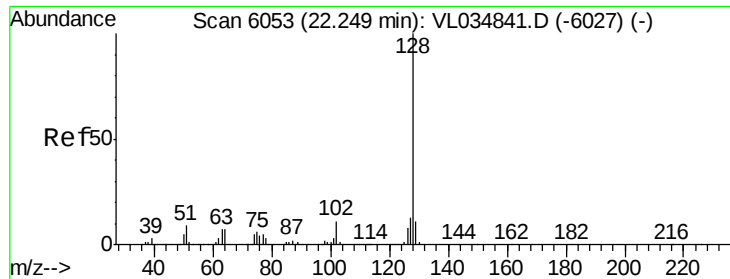
MMDadoda
 3/11/2020 3:26:23 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.116 ppbv m
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL034859.D
 Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	51.1	76.7
227	65.9	51.8	77.6





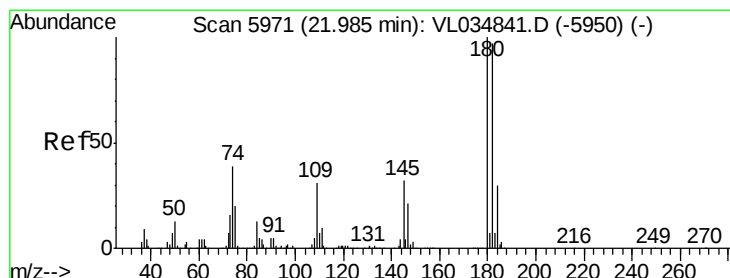
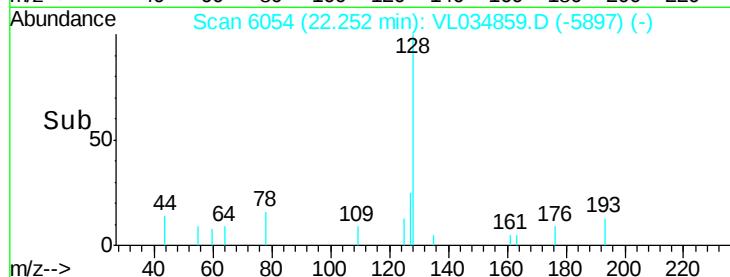
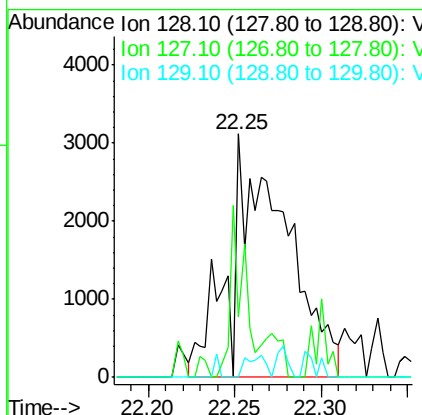
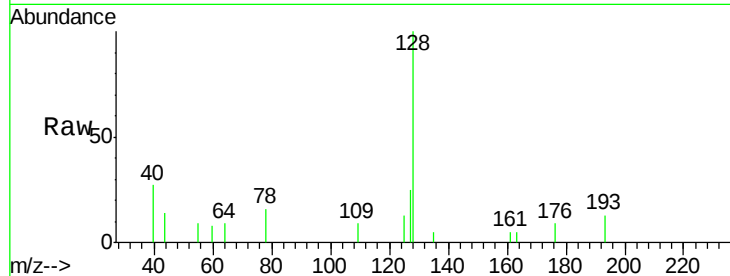
#79
Naphthalene
Concen: 0.038 ppbv m
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	25.0	10.2	15.2#
129	0.0	8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:23 PM



#81
1,2,4-Trichlorobenzene
Concen: 0.047 ppbv m
RT: 21.99 min Scan# 5971
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	136.2	76.6	115.0#
184	43.0	25.0	37.4#

