

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035226.D
 Acq On : 23 Jul 2020 13:18
 Operator : SY/AP
 Sample : L3216-14 0.5 PPB LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Manual Integrations
 APPROVED

sam
 7/27/2020 6:17:21 PM

Quant Time: Jul 25 11:21:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1226351	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3082706	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2807874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2315051	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	114945	0.669	ppbv	97
3) Chlorodifluoromethane	2.94	51	79569	0.587	ppbv	99
4) Chloromethane	3.09	50	46511	0.609	ppbv	94
5) Vinyl Chloride	3.21	62	39221	0.481	ppbv	98
6) Bromomethane	3.43	94	29425	0.635	ppbv	90
7) Chloroethane	3.51	64	14482	0.502	ppbv #	89
8) Dichlorotetrafluoroethane	3.14	85	115472	0.613	ppbv	99
9) Propene	2.96	41	24610	0.481	ppbv	92
10) Heptane	8.12	43	52383	0.399	ppbv	99
11) Trichlorofluoromethane	3.91	101	123506	0.636	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	85872	0.630	ppbv	97
13) Ethanol	3.58	45	10034m	0.616	ppbv	
14) Bromoethene	3.71	108	32191	0.574	ppbv	97
15) Acetone	3.82	43	118329	0.713	ppbv #	89
16) 1,3-Butadiene	3.29	39	31062	0.487	ppbv	97
17) tert-Butyl alcohol	4.28	59	88496m	0.602	ppbv	
18) 1,1-Dichloroethene	4.26	96	37143	0.615	ppbv	78
19) Isopropyl Alcohol	3.94	45	59940m	0.598	ppbv	
20) Methylene Chloride	4.31	84	54541m	0.755	ppbv	
21) Allyl Chloride	4.38	41	49509	0.512	ppbv	87
22) trans-1,2-Dichloroethene	4.86	96	34349m	0.570	ppbv	
23) Vinyl Acetate	5.05	43	86342	0.480	ppbv #	95
24) 1,1-Dichloroethane	4.98	63	91734	0.594	ppbv #	95
25) Ethyl Acetate	5.66	43	133621	0.519	ppbv	99
26) Hexane	5.67	57	56321m	0.496	ppbv	
27) Carbon Disulfide	4.52	76	90453	0.570	ppbv #	90
28) Methyl tert-Butyl Ether	5.02	73	74434	0.430	ppbv	96
29) Chloroform	5.74	83	115936	0.609	ppbv	99
30) Cyclohexane	7.13	84	43207m	0.514	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	45437	0.423	ppbv #	86
32) 1,1,1-Trichloroethane	6.50	97	103596	0.543	ppbv	97
34) 2-Butanone	5.23	43	77462	0.471	ppbv	98
35) Carbon Tetrachloride	7.01	117	104528	0.522	ppbv	97
36) Benzene	6.89	78	94719	0.425	ppbv	93
37) 1,2-Dichloroethane	6.29	62	79473m	0.531	ppbv	
38) Trichloroethene	7.83	130	37353m	0.411	ppbv	
39) 1,2-Dichloropropane	7.61	63	40976m	0.462	ppbv	
40) 1,4-Dioxane	7.87	88	14583m	0.413	ppbv	
41) Tetrahydrofuran	6.05	42	27657m	0.336	ppbv	
42) Bromodichloromethane	7.79	83	104254	0.521	ppbv #	92
43) Methyl Methacrylate	8.02	69	33397	0.354	ppbv	90

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Quant Time: Jul 25 11:21:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	153681	0.399	ppbv #	89
45) t-1,3-Dichloropropene	9.29	75	33197m	0.335	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	39696	0.338	ppbv #	86
47) 1,1,2-Trichloroethane	9.48	97	52092	0.536	ppbv #	92
48) Dibromochloromethane	10.32	129	74374	0.471	ppbv	100
49) Bromoform	13.07	173	60586m	0.438	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	90665m	0.384	ppbv	
51) 2-Hexanone	10.17	43	59852m	0.332	ppbv	
52) Tetrachloroethene	11.25	164	35291m	0.423	ppbv	
53) Toluene	9.82	91	76535	0.325	ppbv	98
54) 1,2-Dibromoethane	10.63	107	64526m	0.448	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	75123m	0.604	ppbv	
57) Chlorobenzene	12.17	112	120028	0.580	ppbv #	95
58) Ethyl Benzene	12.74	91	103868m	0.335	ppbv	
59) m/p-Xylene	13.02	91	225027m	0.814	ppbv	
60) o-Xylene	13.72	91	115997	0.420	ppbv	95
61) Styrene	13.56	104	50799m	0.298	ppbv	
62) Isopropylbenzene	14.70	105	175085	0.428	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	122635m	0.532	ppbv	
64) n-propylbenzene	15.60	120	45181m	0.428	ppbv	
65) tert-Butylbenzene	16.78	119	160687m	0.437	ppbv	
66) Benzyl Chloride	17.02	91	68928m	0.527	ppbv	
67) sec-Butylbenzene	17.33	105	250001	0.467	ppbv	97
69) p-Isopropyltoluene	17.69	119	168636	0.402	ppbv	95
70) n-Butylbenzene	18.59	91	191825	0.431	ppbv	93
71) 2-Chlorotoluene	15.48	91	115375m	0.373	ppbv	
72) 4-Ethyltoluene	15.87	105	117596	0.378	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.03	105	115985	0.387	ppbv	87
74) 1,2,4-Trimethylbenzene	16.79	105	155666	0.470	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	127492	0.608	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	96249	0.494	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	102982m	0.545	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	89802m	0.601	ppbv	
79) Naphthalene	22.26	128	68956m	0.322	ppbv	
80) Naphthalene,2-methyl-	25.02	142	9047	0.179	ppbv #	89
81) 1,2,4-Trichlorobenzene	21.98	180	58106m	0.428	ppbv	

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

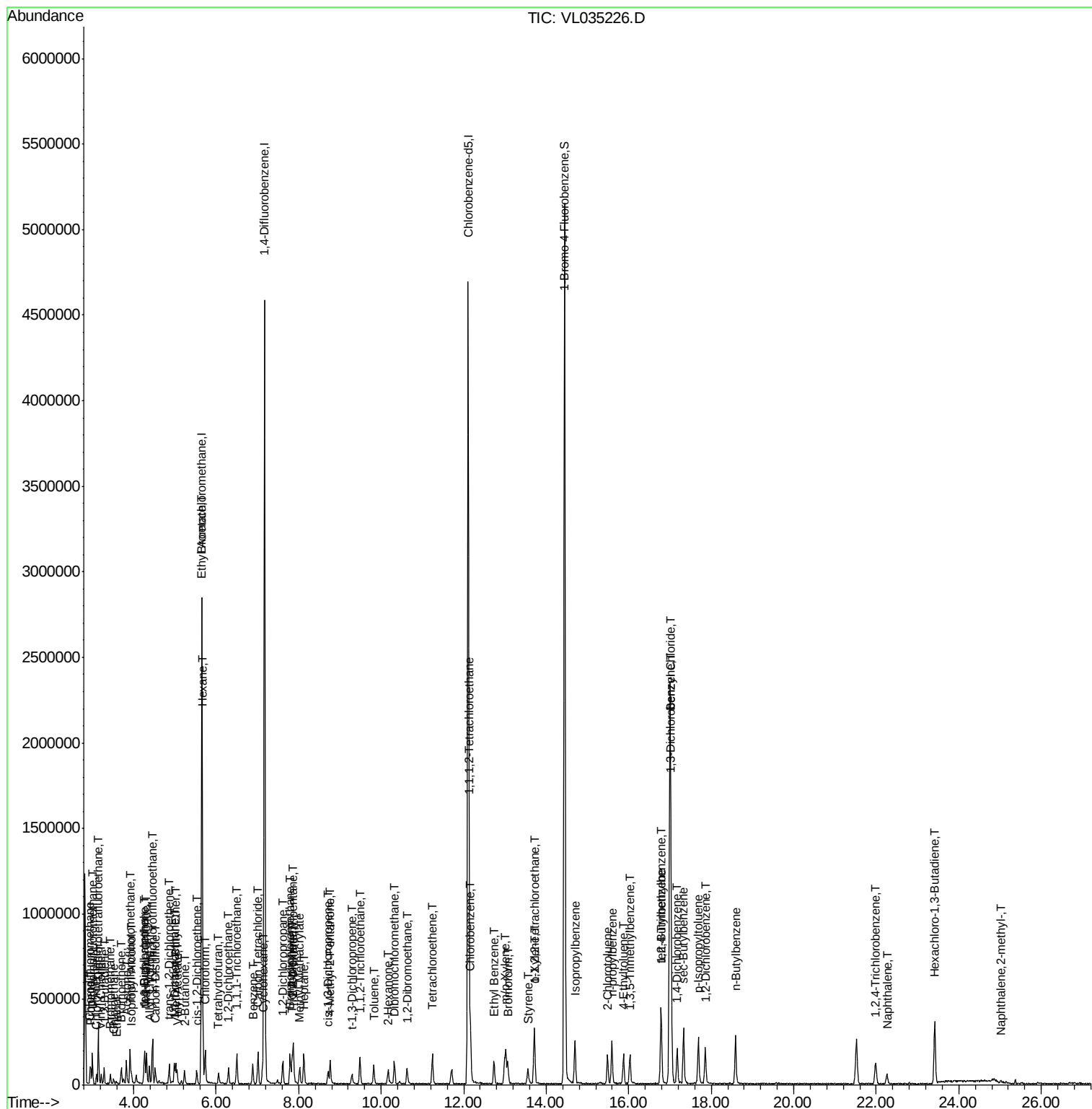
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
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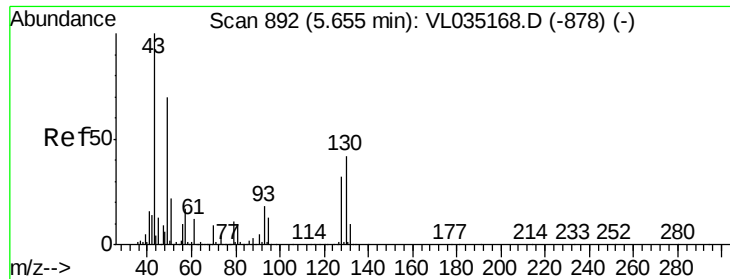
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

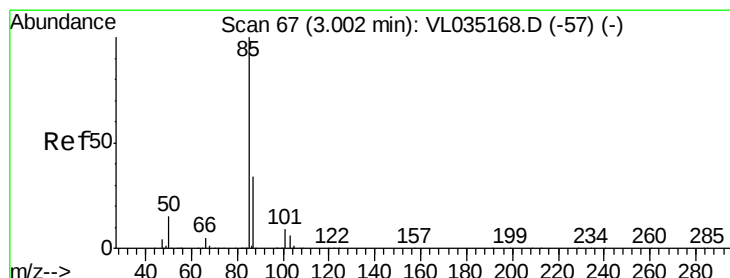
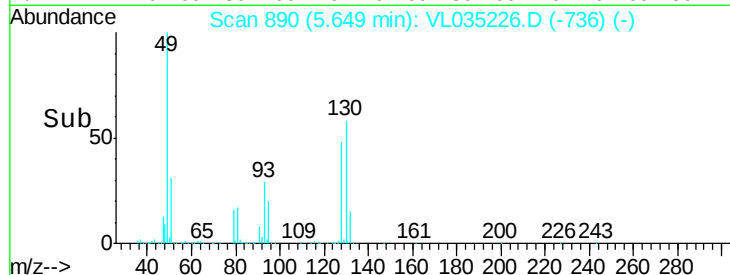
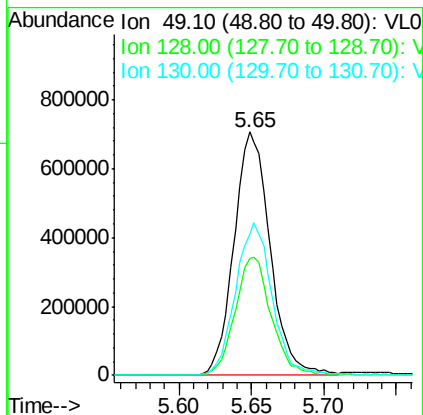
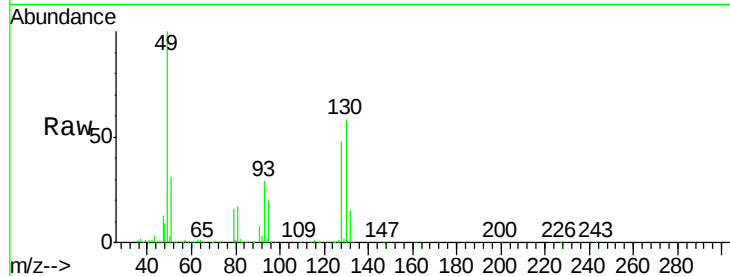
ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion:	49	Resp:	1226351
Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.8	71.4
130	63.7	29.9	89.8

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#2

Dichlorodifluoromethane

Concen: 0.669 ppbv

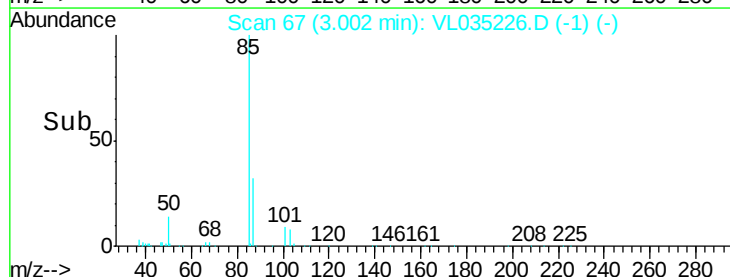
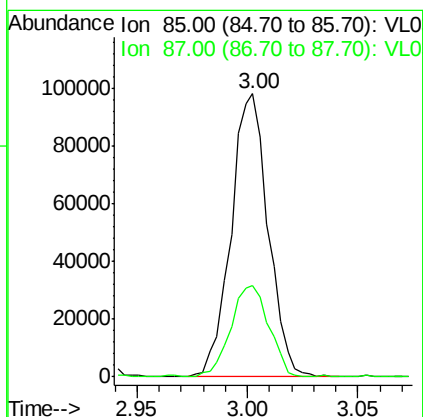
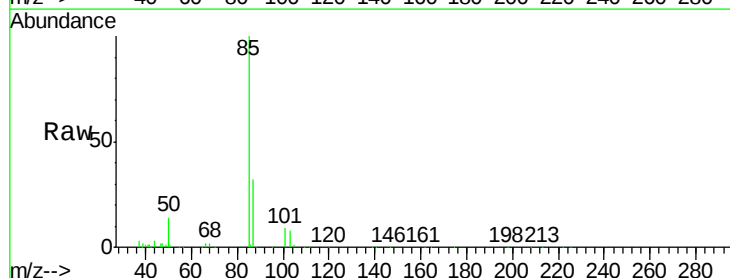
RT: 3.00 min Scan# 67

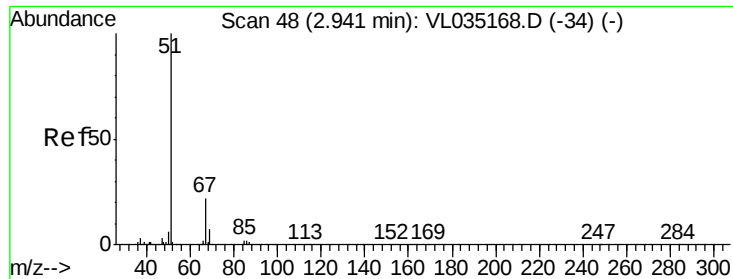
Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion:	85	Resp:	114945
Ion	Ratio	Lower	Upper
85	100		
87	32.2	27.0	40.6





#3

Chlorodifluoromethane

Concen: 0.587 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 51 Resp: 79569

Ion Ratio Lower Upper

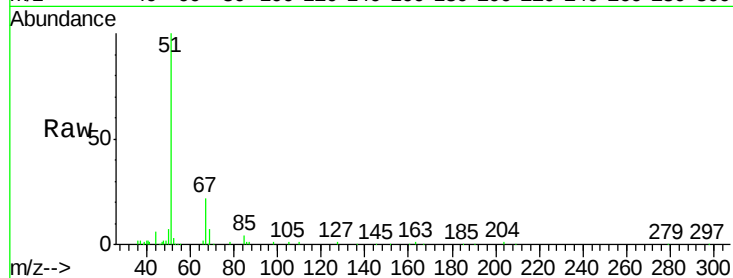
51 100

67 20.1 16.6 24.8

Manual Integrations
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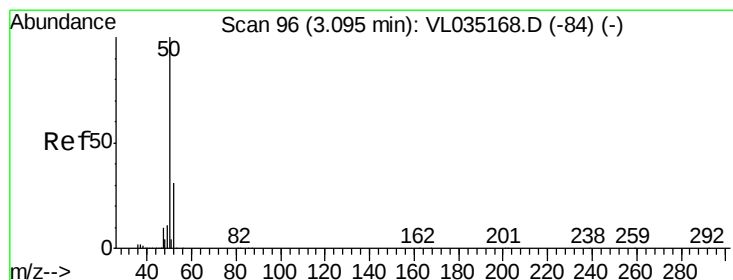
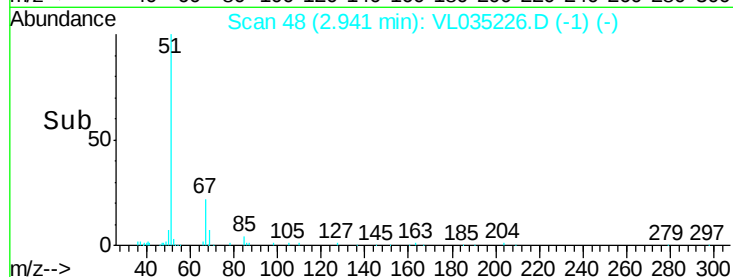
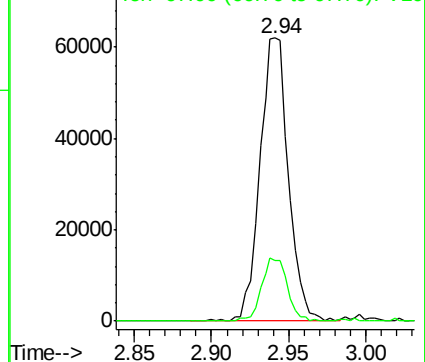
sam

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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: 0.609 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035226.D

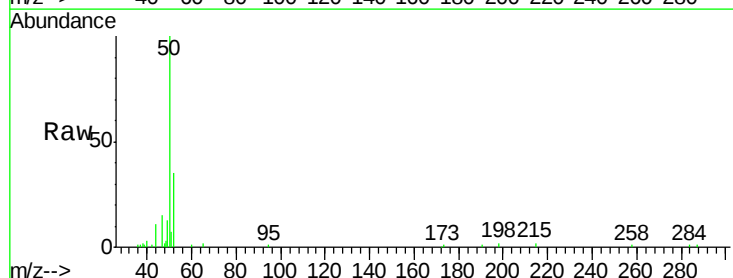
Acq: 23 Jul 2020 13:18

Tgt Ion: 50 Resp: 46511

Ion Ratio Lower Upper

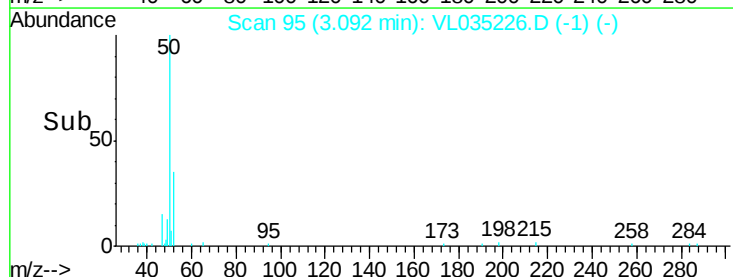
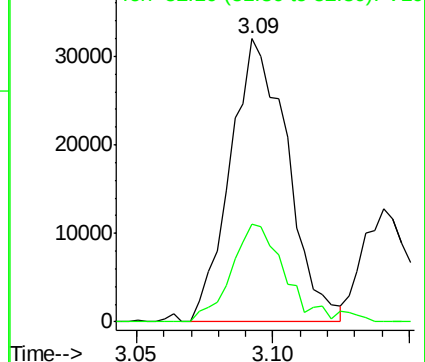
50 100

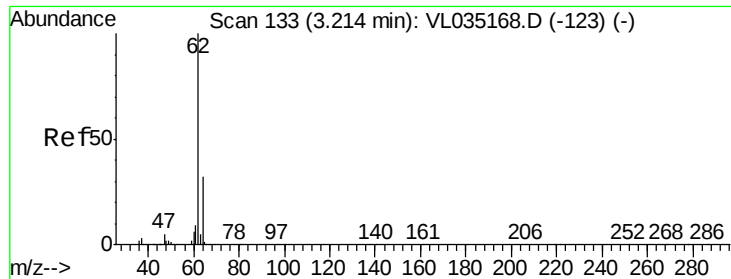
52 34.8 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.481 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 62 Resp: 39221

Ion Ratio Lower Upper

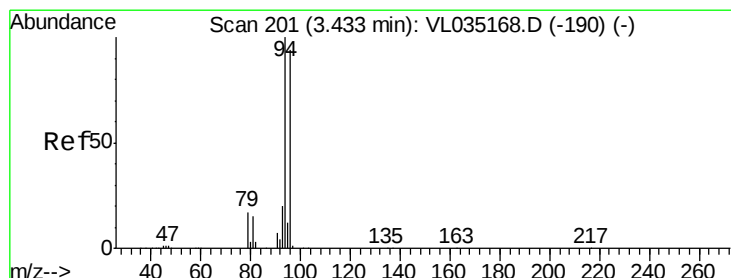
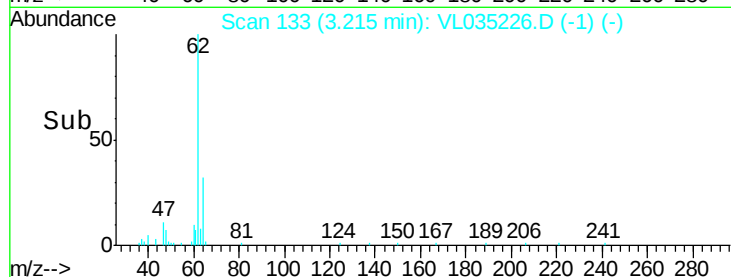
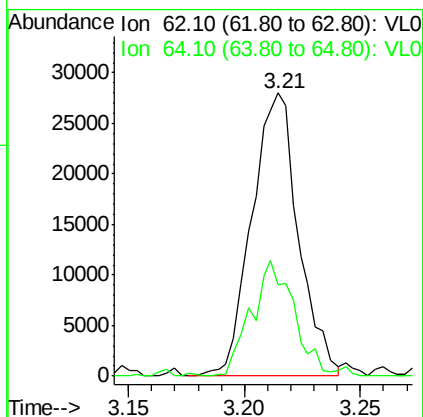
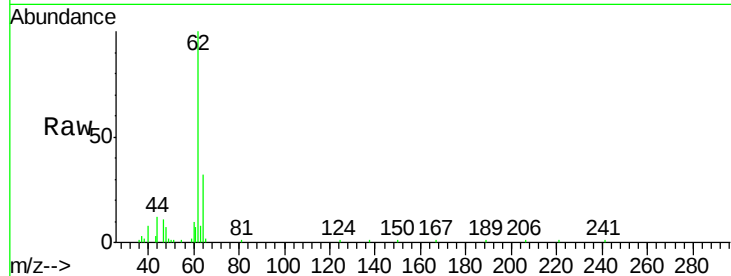
62 100

64 31.4 25.9 38.9

Manual Integrations
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#6

Bromomethane

Concen: 0.635 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035226.D

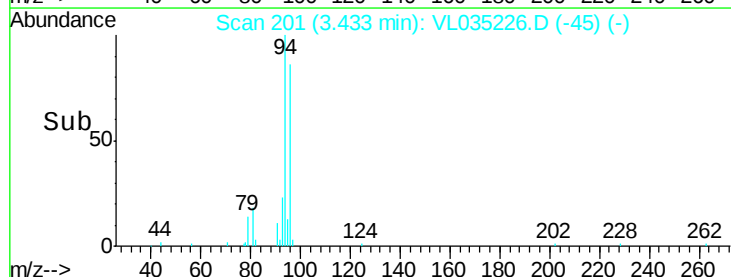
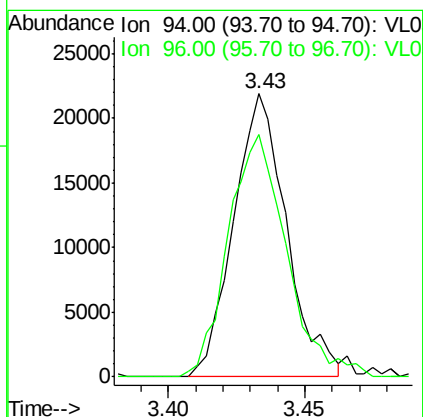
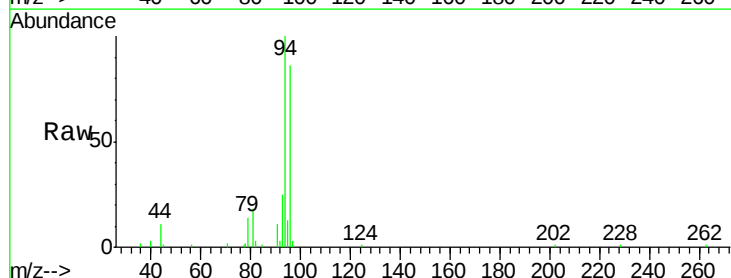
Acq: 23 Jul 2020 13:18

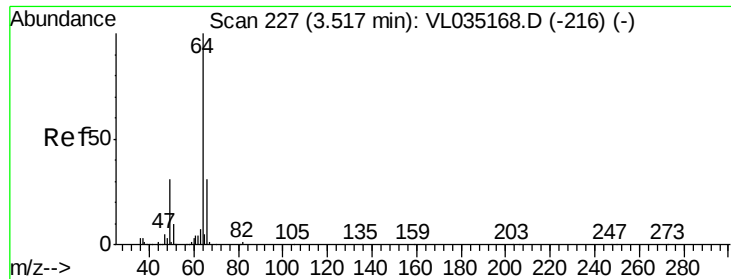
Tgt Ion: 94 Resp: 29425

Ion Ratio Lower Upper

94 100

96 83.5 74.8 112.2





#7

Chloroethane

Concen: 0.502 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 64 Resp: 14482

Ion Ratio Lower Upper

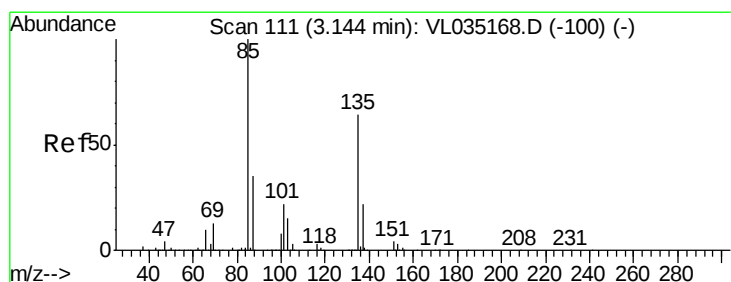
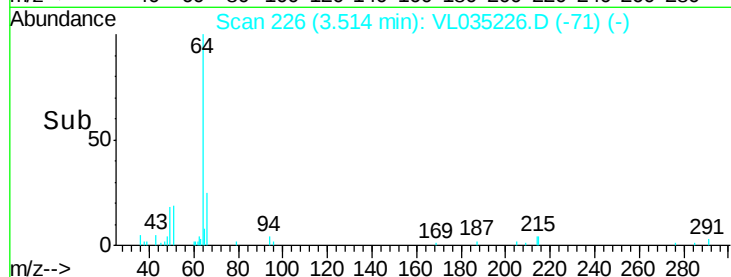
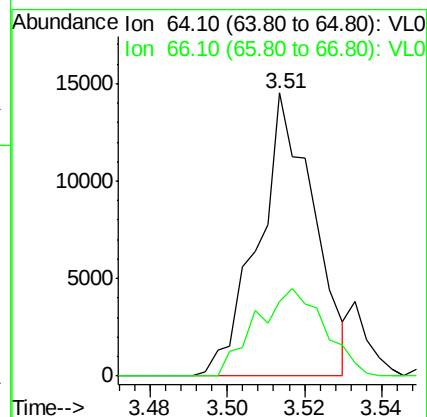
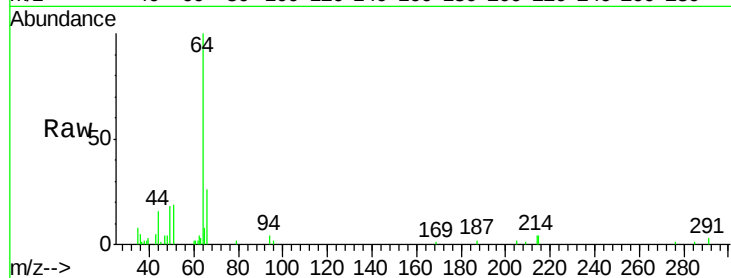
64 100

66 24.5 24.6 36.8#

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#8

Dichlorotetrafluoroethane

Concen: 0.613 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035226.D

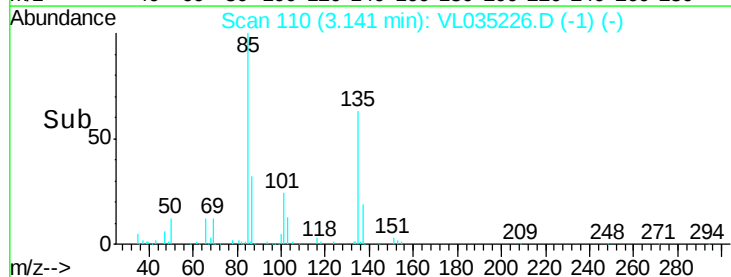
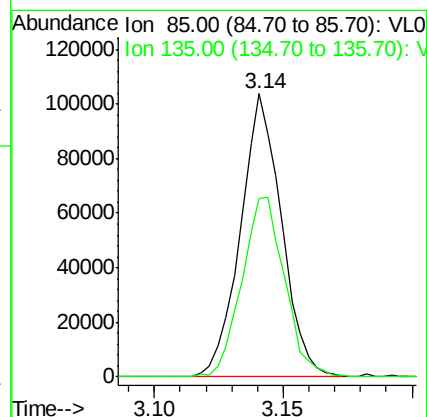
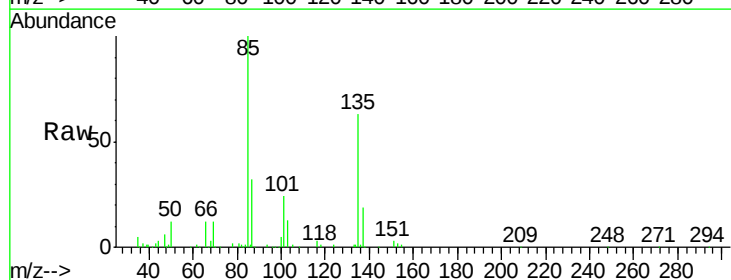
Acq: 23 Jul 2020 13:18

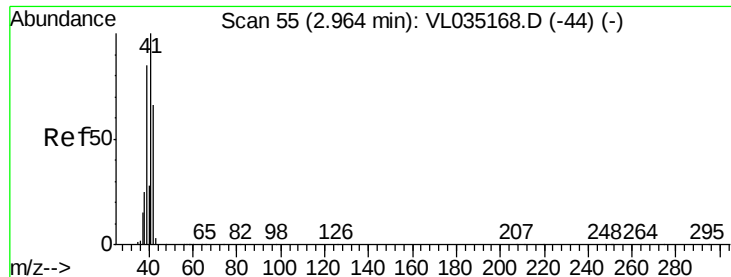
Tgt Ion: 85 Resp: 115472

Ion Ratio Lower Upper

85 100

135 66.0 52.1 78.1





#9

Propene

Concen: 0.481 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 41 Resp: 24610

Ion Ratio Lower Upper

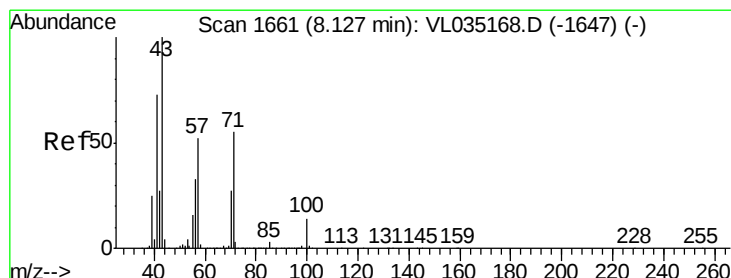
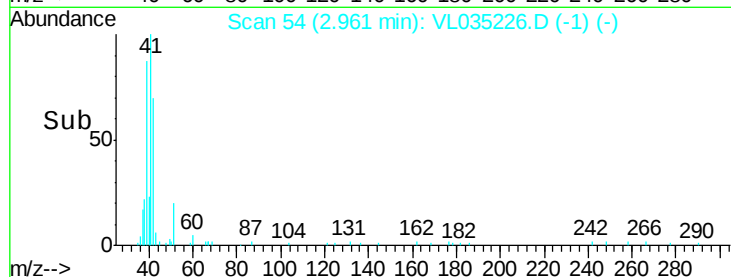
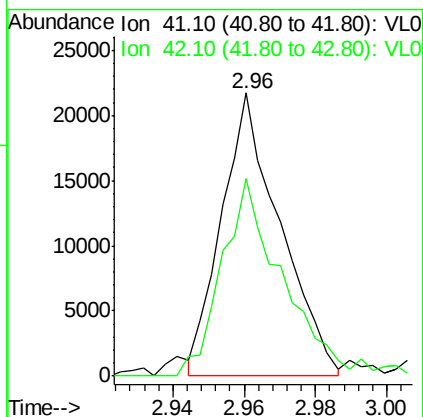
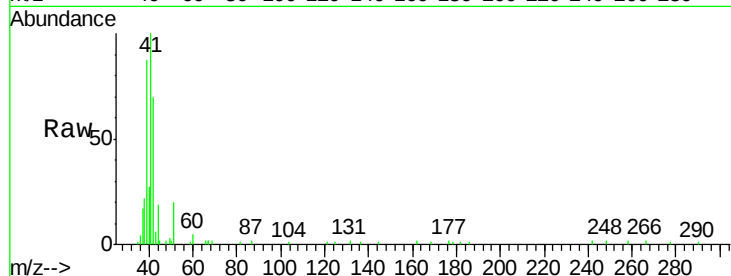
41 100

42 74.4 54.6 81.8

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#10

Heptane

Concen: 0.399 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035226.D

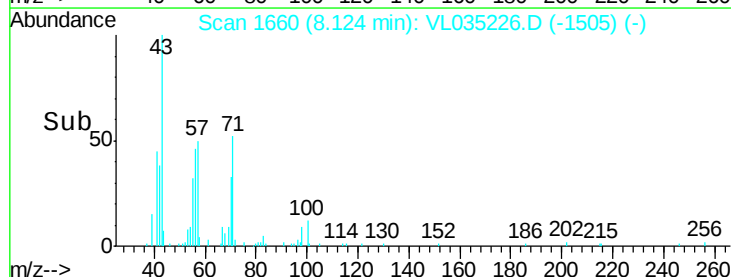
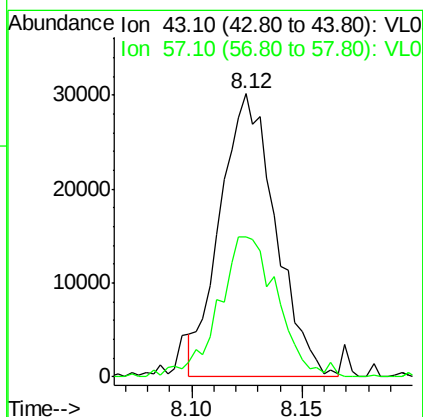
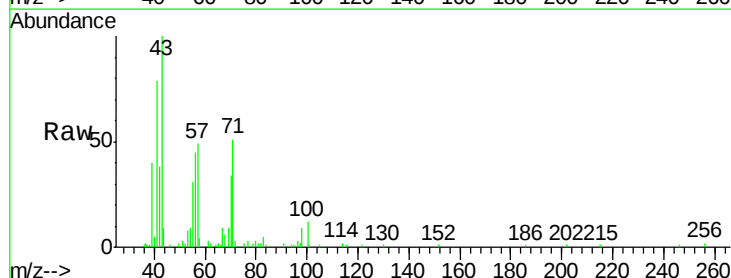
Acq: 23 Jul 2020 13:18

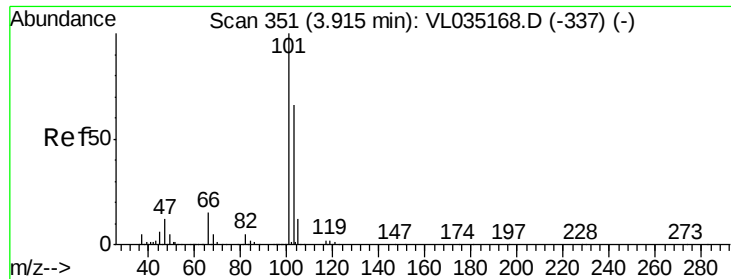
Tgt Ion: 43 Resp: 52383

Ion Ratio Lower Upper

43 100

57 53.1 41.8 62.6





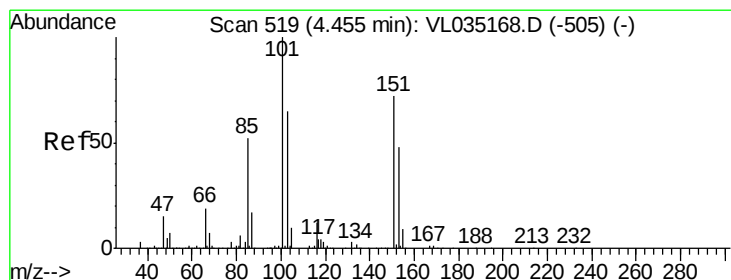
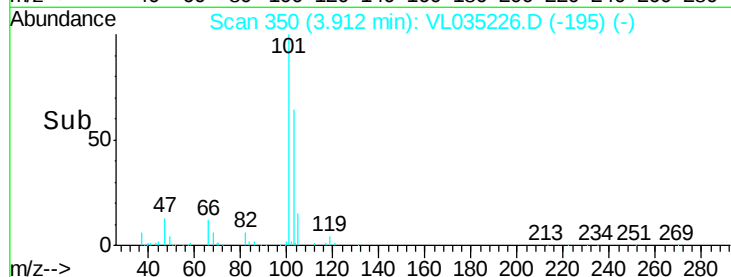
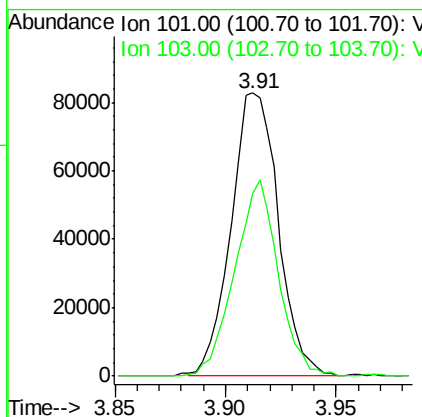
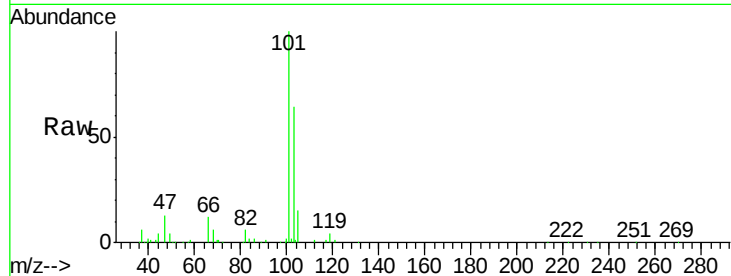
#11
 Trichlorofluoromethane
 Concen: 0.636 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.1	79.7

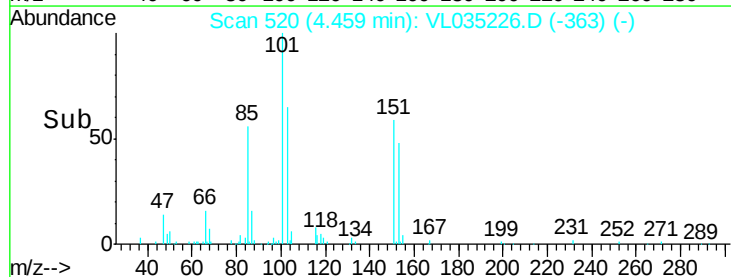
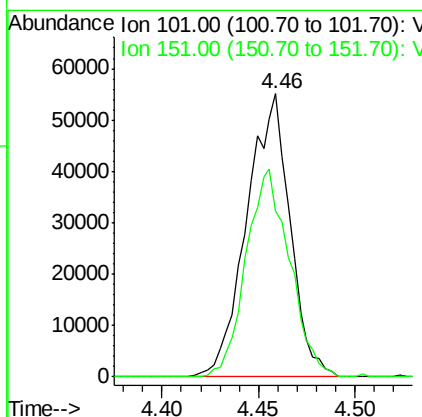
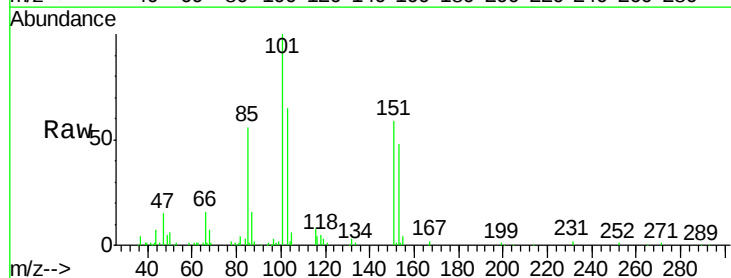
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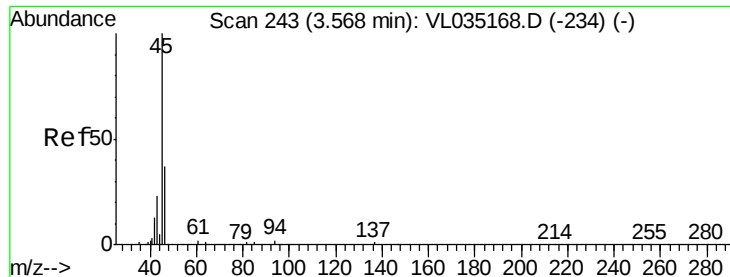
Sam
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.630 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
101	100		
151	73.6	57.0	85.4





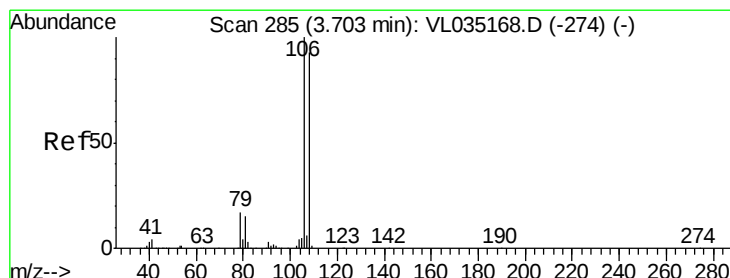
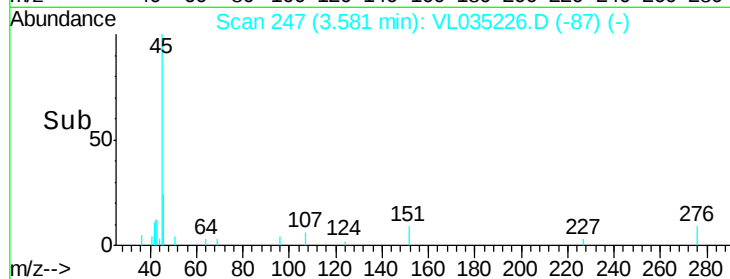
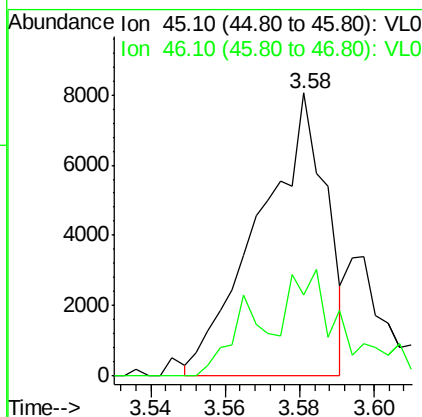
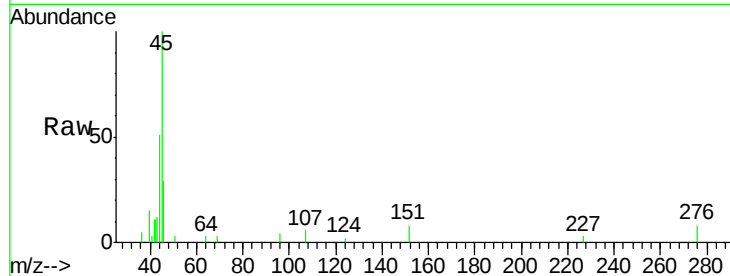
#13
Ethanol
Concen: 0.616 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 10034
Ion Ratio Lower Upper
45 100
46 0.0 16.2 65.0#

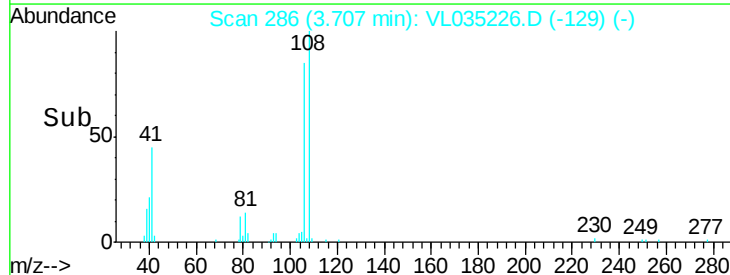
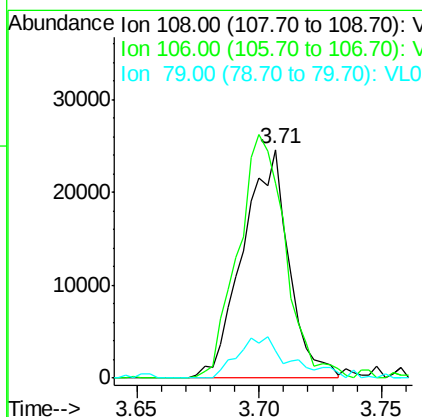
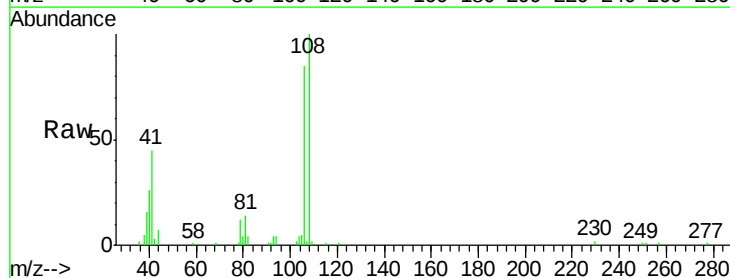
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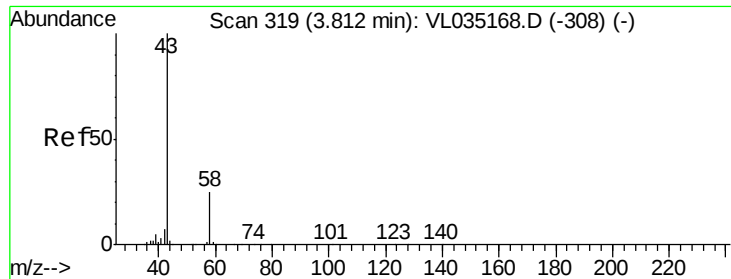
sam
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#14
Bromoethene
Concen: 0.574 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 108 Resp: 32191
Ion Ratio Lower Upper
108 100
106 110.6 86.2 129.2
79 21.2 15.0 22.6





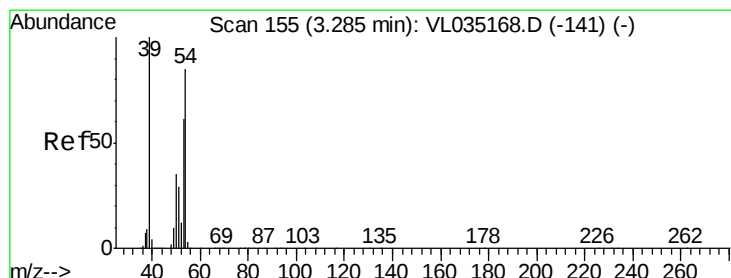
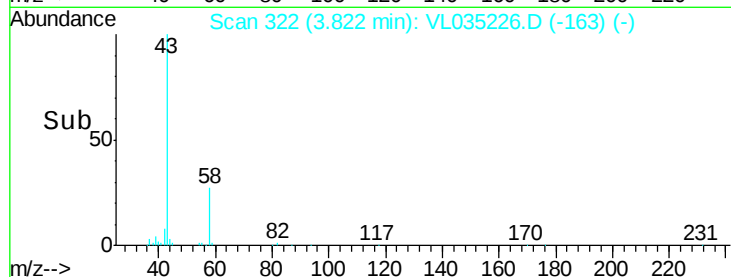
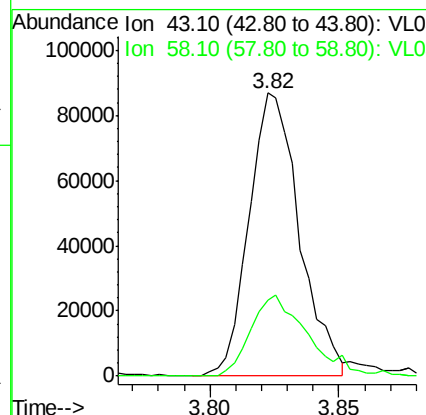
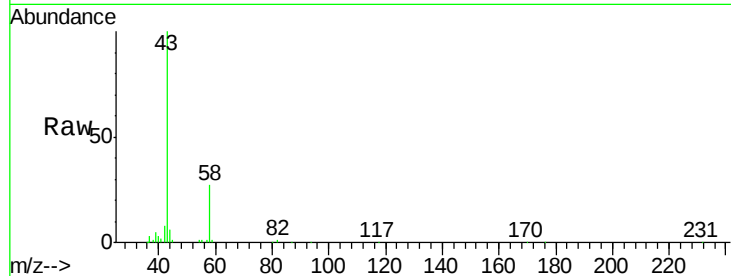
#15
Acetone
Concen: 0.713 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion: 43 Resp: 118329
Ion Ratio Lower Upper
43 100
58 32.5 21.3 31.9#

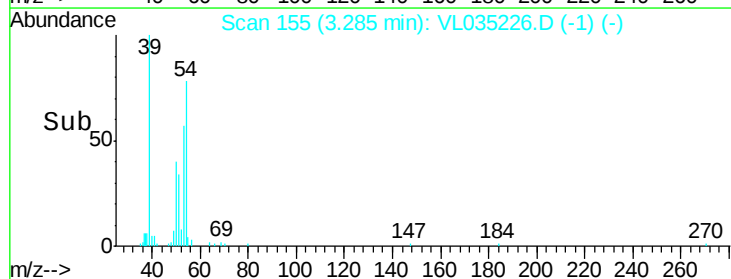
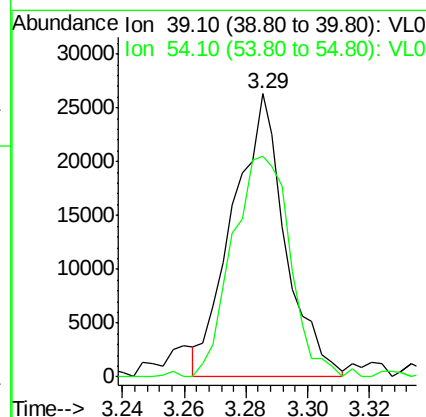
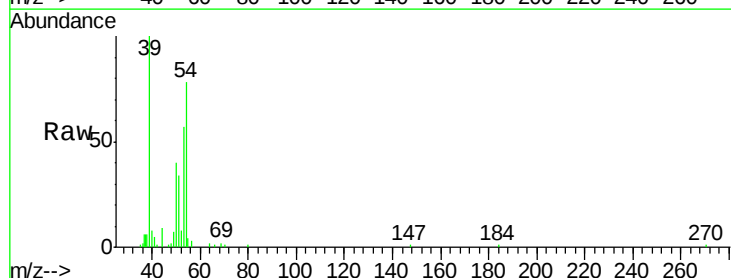
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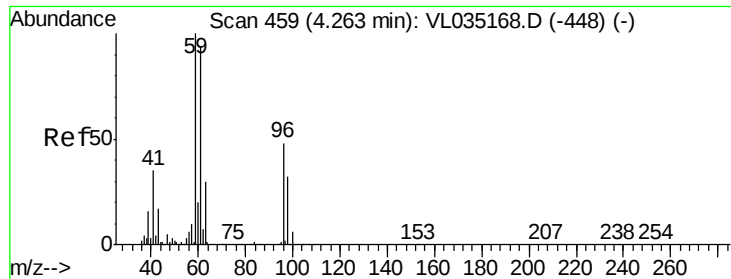
sam
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#16
1,3-Butadiene
Concen: 0.487 ppbv
RT: 3.29 min Scan# 155
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 39 Resp: 31062
Ion Ratio Lower Upper
39 100
54 86.4 67.2 100.8





#17

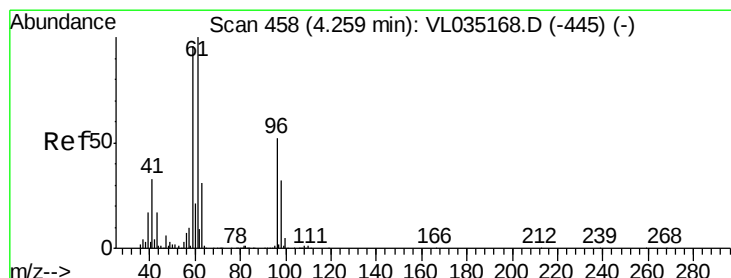
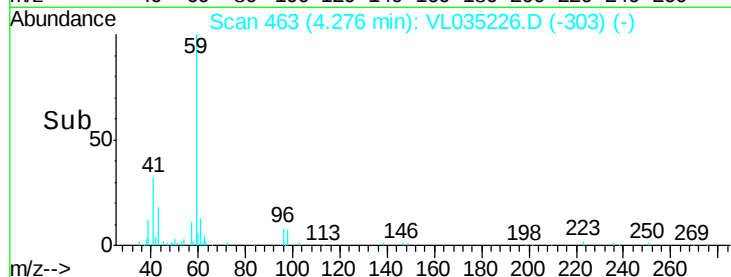
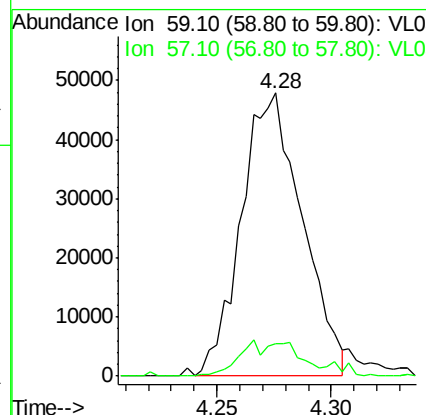
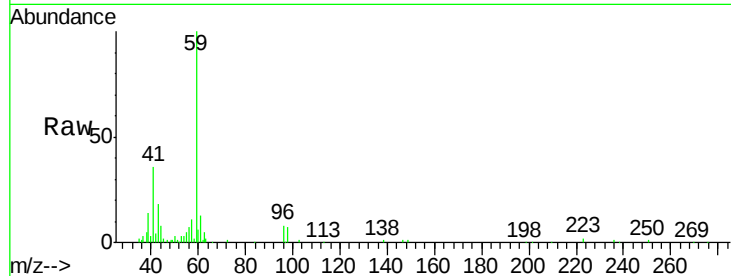
tert-Butyl alcohol
Concen: 0.602 ppbv m
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion: 59 Resp: 88496
Ion Ratio Lower Upper
59 100
57 13.1 8.6 12.8#

Manual Integrations
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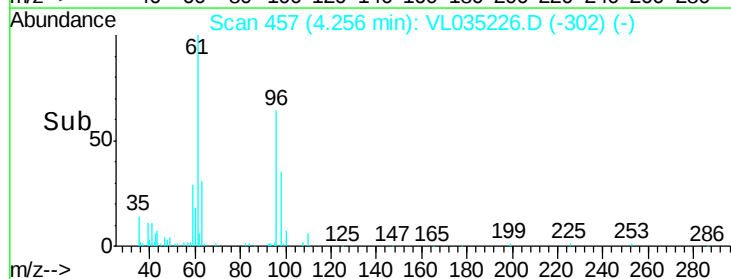
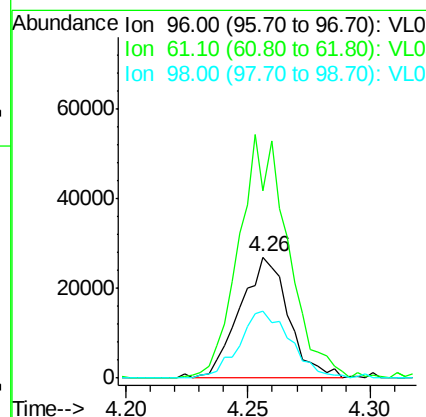
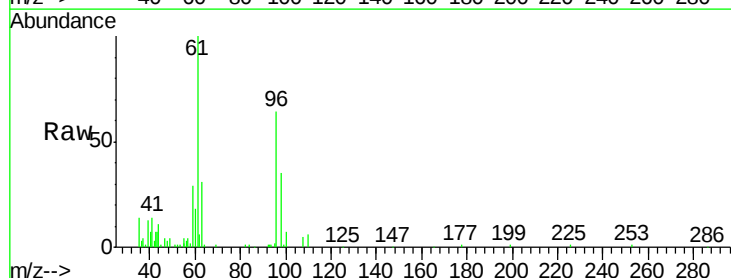
sam
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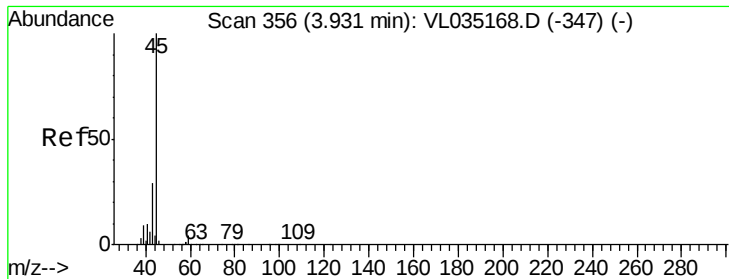


#18

1,1-Dichloroethene
Concen: 0.615 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 96 Resp: 37143
Ion Ratio Lower Upper
96 100
61 153.0 152.9 229.3
98 54.3 48.7 73.1





#19

Isopropyl Alcohol

Concen: 0.598 ppbv m

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 59940

Ion Ratio Lower Upper

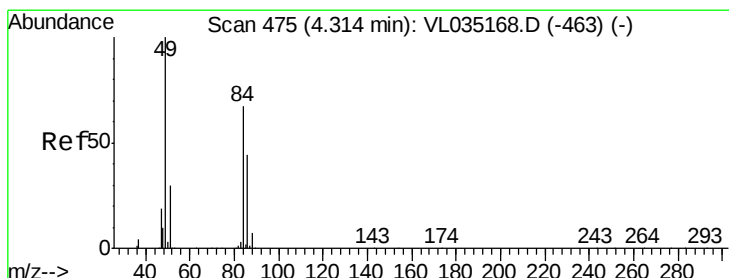
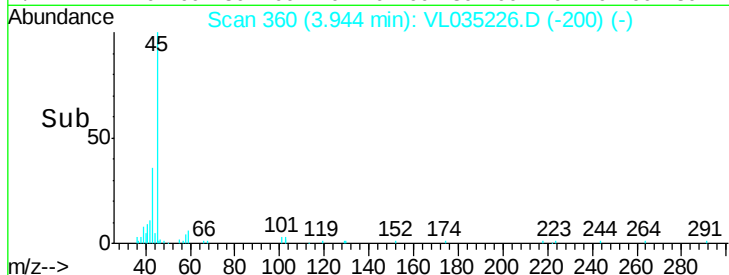
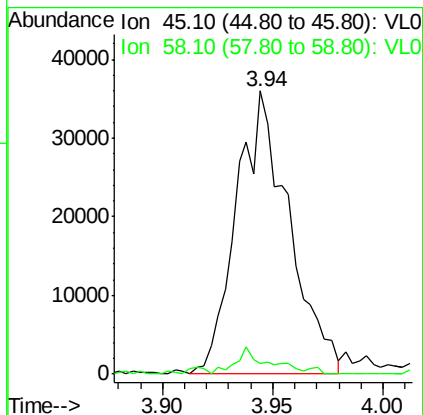
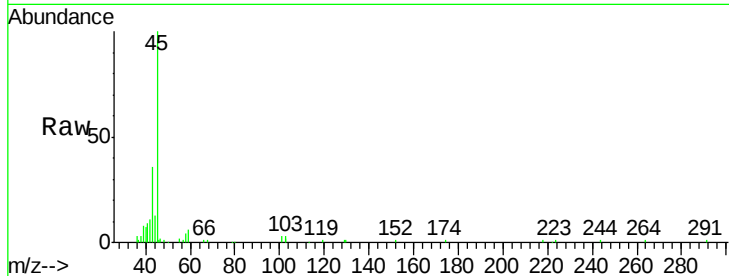
45 100

58 6.9 2.1 3.1#

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#20

Methylene Chloride

Concen: 0.755 ppbv m

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion: 84 Resp: 54541

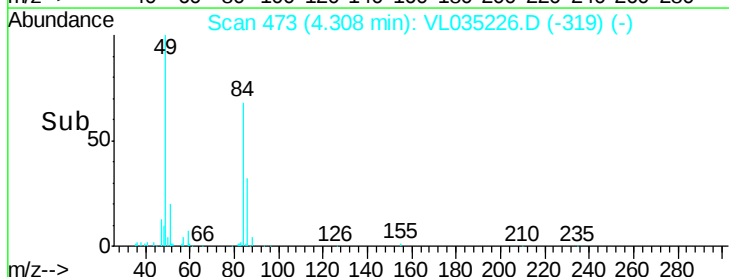
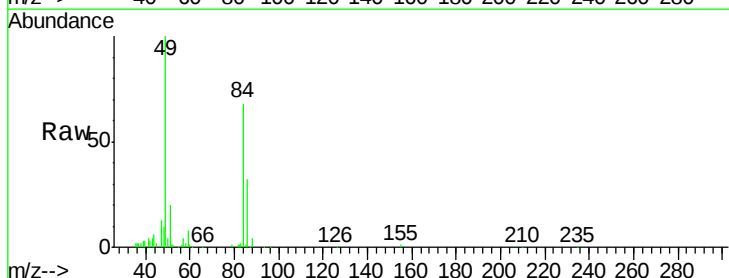
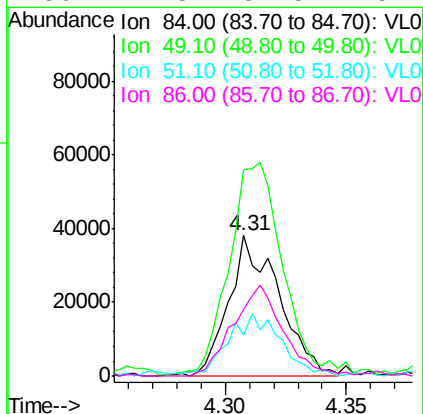
Ion Ratio Lower Upper

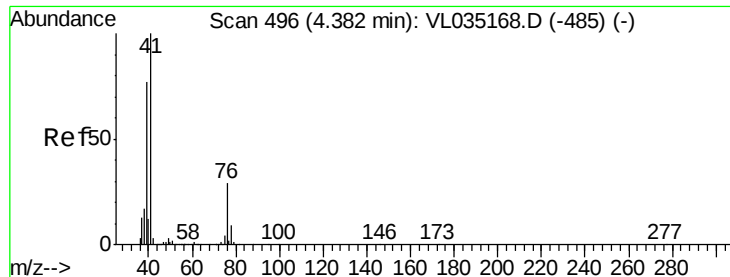
84 100

49 146.8 119.4 179.0

51 28.9 36.6 55.0#

86 47.3 52.5 78.7#





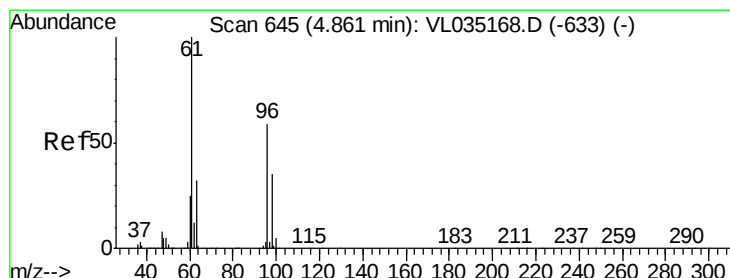
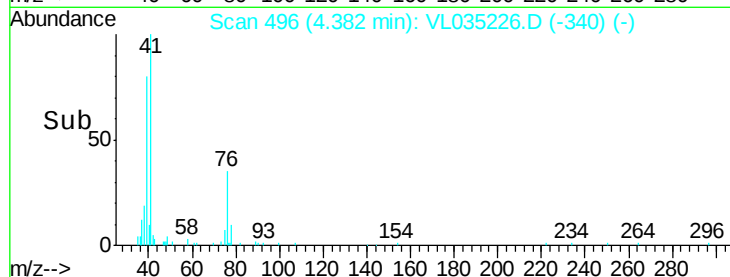
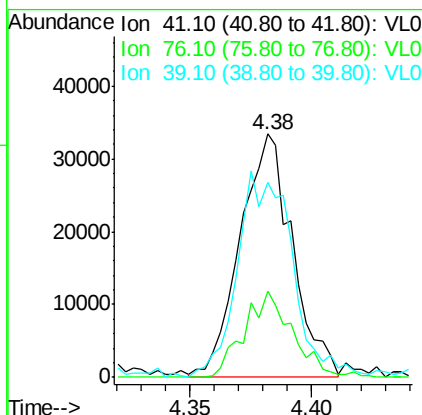
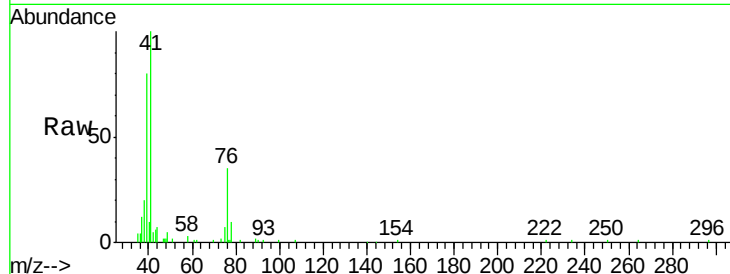
#21
 Allyl Chloride
 Concen: 0.512 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
41	100		
76	33.0	23.5	35.3
39	92.7	63.4	95.0

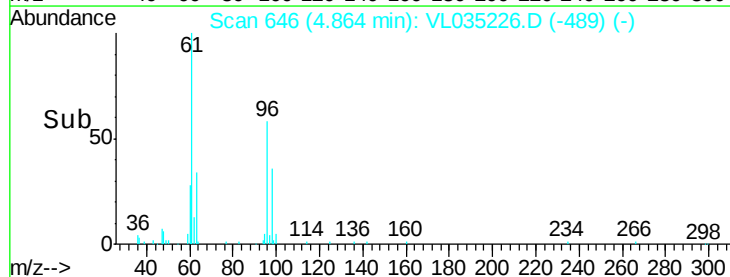
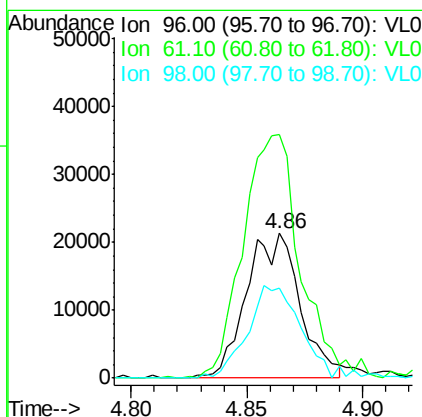
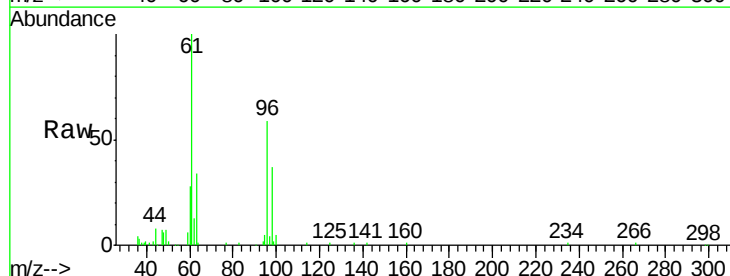
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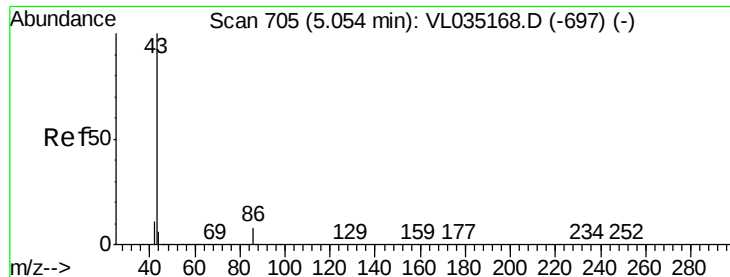
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#22
 trans-1,2-Dichloroethene
 Concen: 0.570 ppbv m
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	136.5	204.7
98	62.3	47.5	71.3





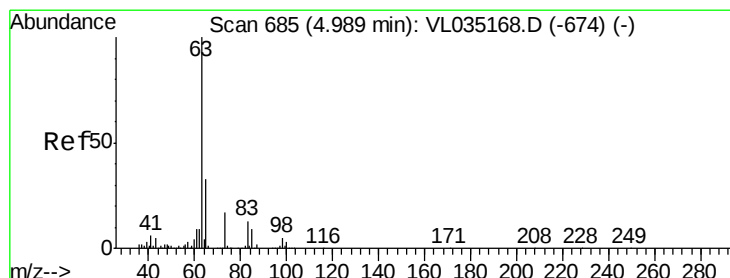
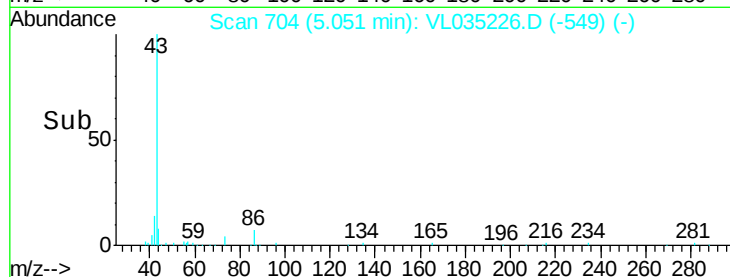
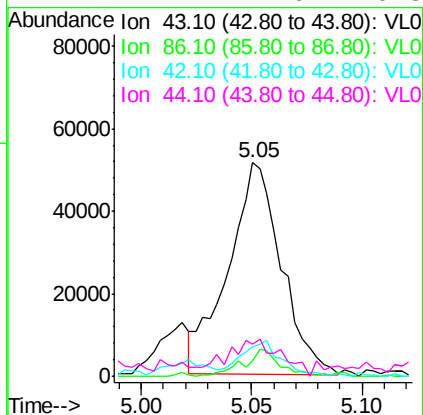
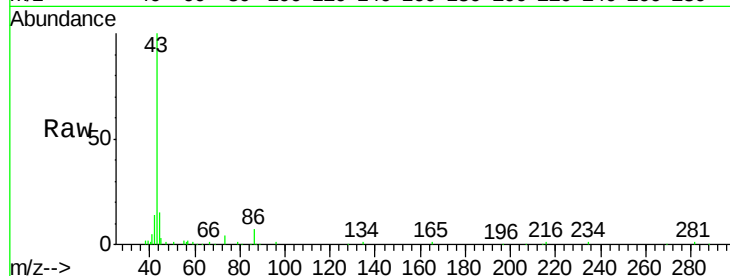
#23
 Vinyl Acetate
 Concen: 0.480 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.2	9.2
42	11.7	9.1	13.7
44	11.1	4.6	6.8#

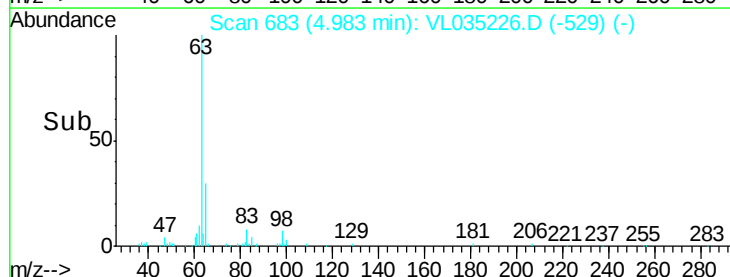
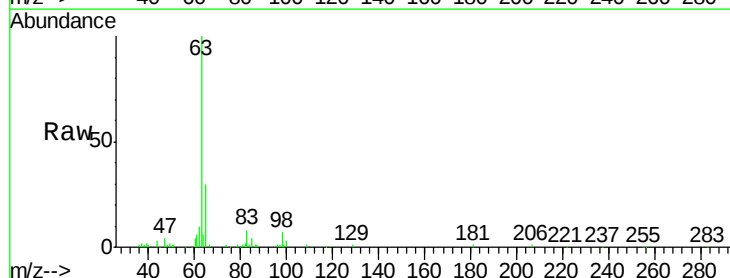
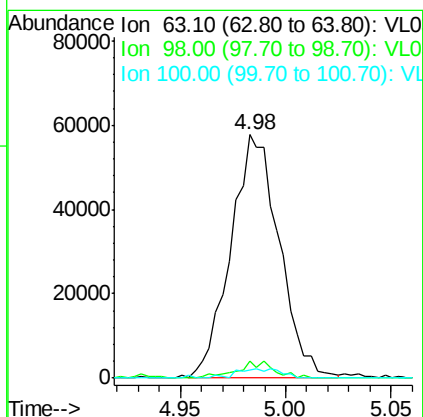
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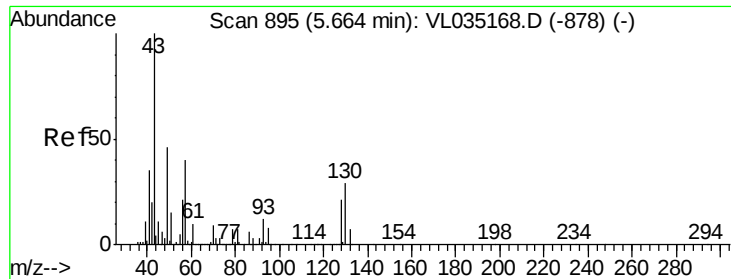
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#24
 1,1-Dichloroethane
 Concen: 0.594 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	2.4	7.1#
100	3.4	1.4	4.0





#25

Ethyl Acetate

Concen: 0.519 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

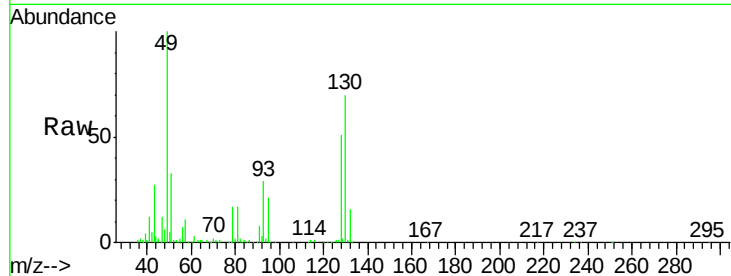
ClientSampleId :

LOQ-AIR-01-QT3-2020

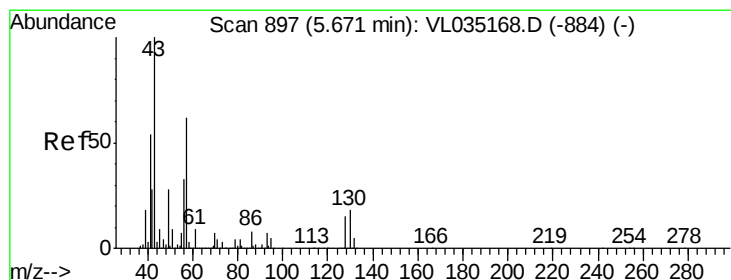
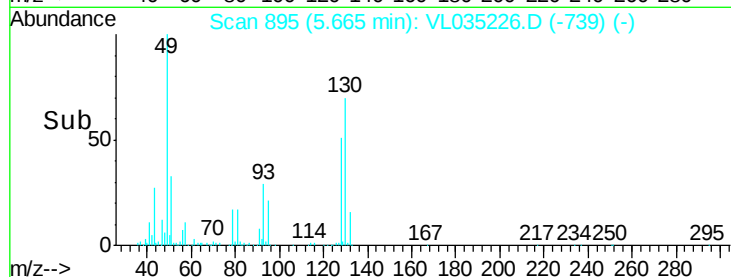
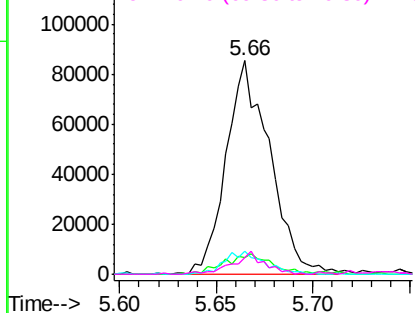
Tgt Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.5	12.7
61	10.1	8.1	12.1
70	7.6	6.3	9.5

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



#26

Hexane

Concen: 0.496 ppbv m

RT: 5.67 min Scan# 897

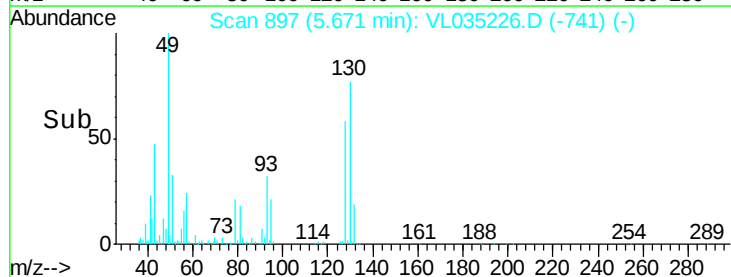
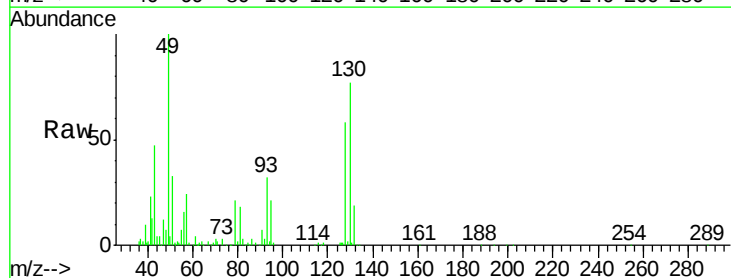
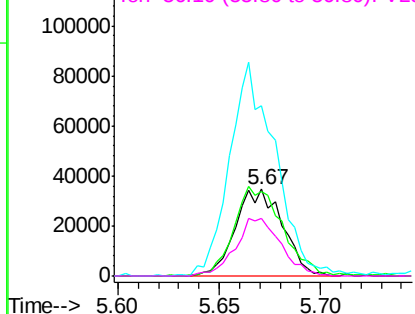
Delta R.T. 0.00 min

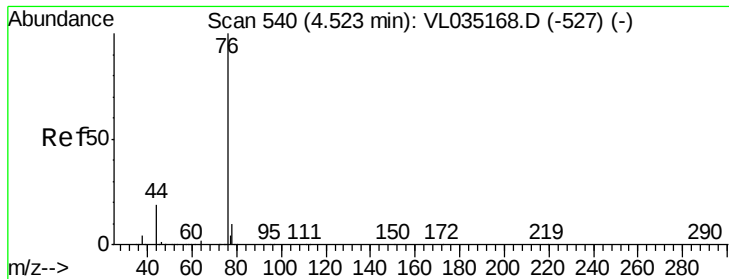
Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	105.9	72.9	109.3
43	239.8	179.5	269.3
56	0.0	42.9	64.3#

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





#27

Carbon Disulfide

Concen: 0.570 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

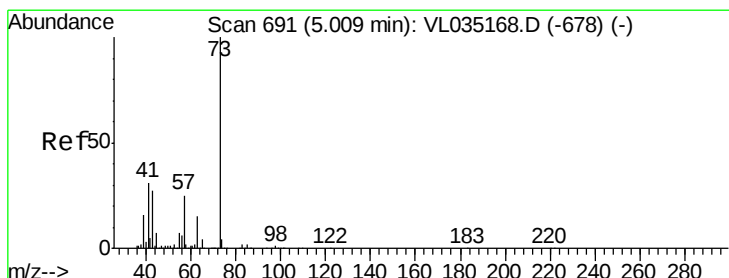
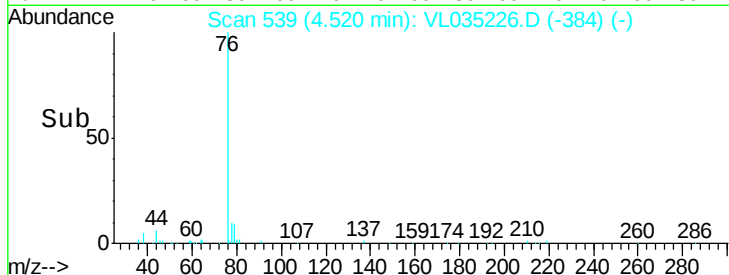
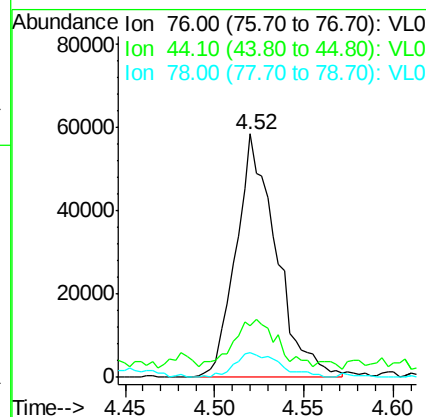
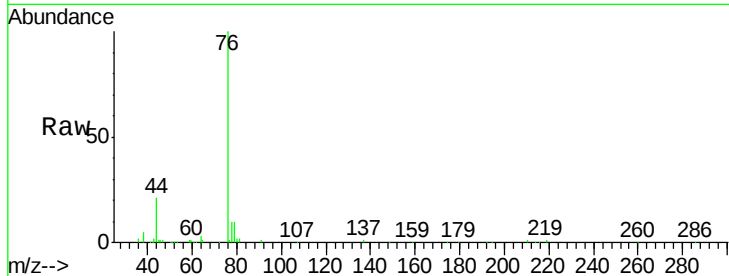
ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion:	76	Resp:	90453
Ion Ratio	Lower	Upper	
76	100		
44	24.3	14.9	22.3#
78	11.5	7.5	11.3#

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#28

Methyl tert-Butyl Ether

Concen: 0.430 ppbv

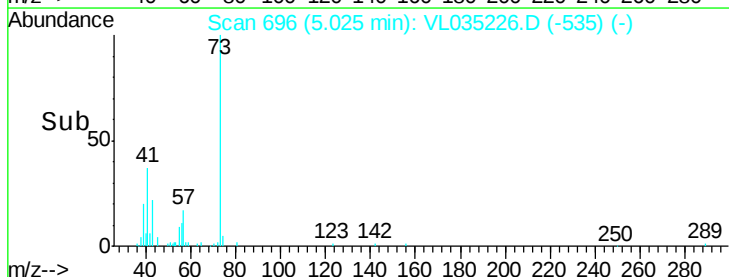
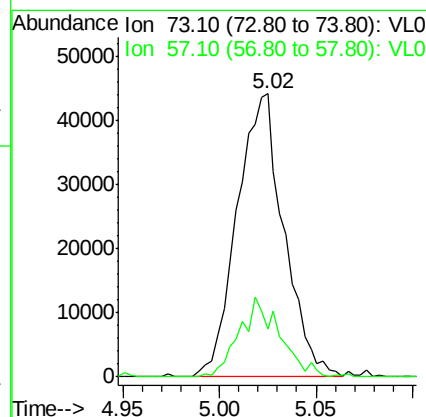
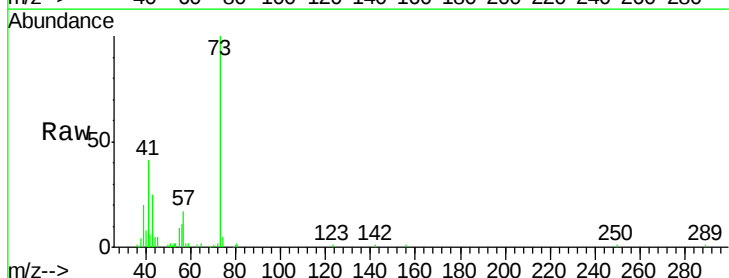
RT: 5.02 min Scan# 696

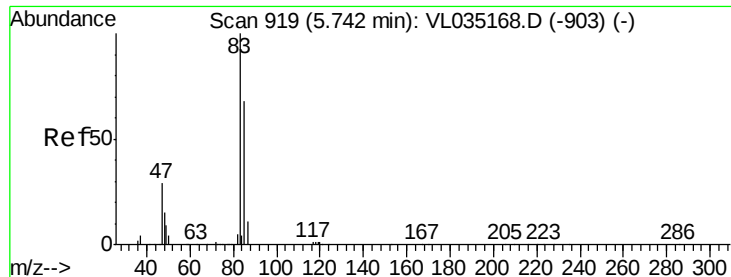
Delta R.T. 0.02 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion:	73	Resp:	74434
Ion Ratio	Lower	Upper	
73	100		
57	24.4	18.1	27.1





#29

Chloroform

Concen: 0.609 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 83 Resp: 115936

Ion Ratio Lower Upper

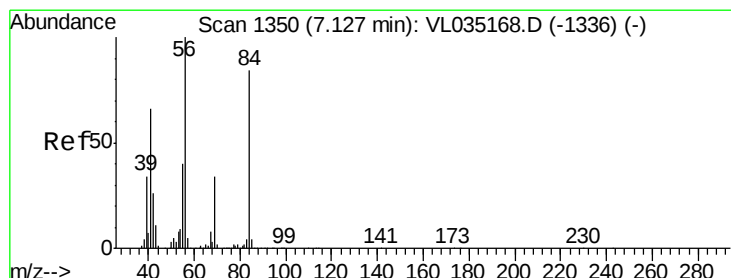
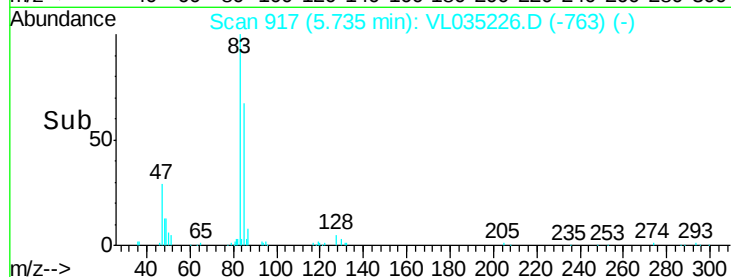
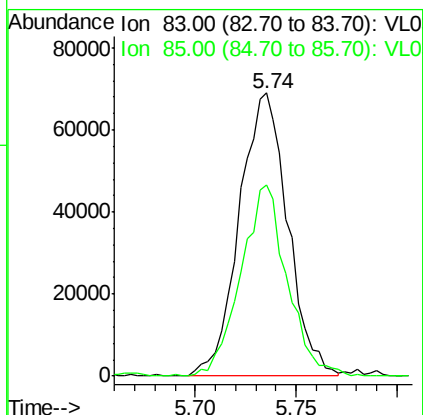
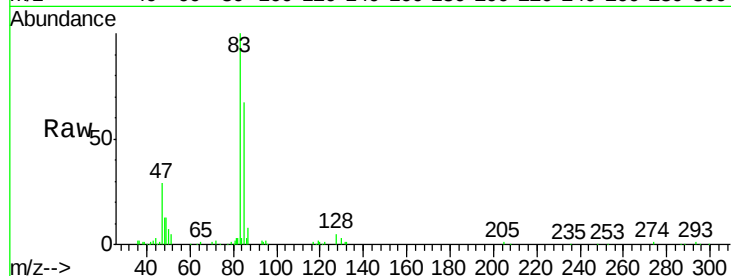
83 100

85 67.3 54.3 81.5

Manual Integrations
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#30

Cyclohexane

Concen: 0.514 ppbv m

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

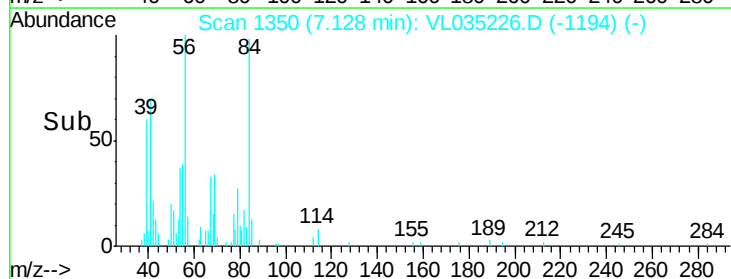
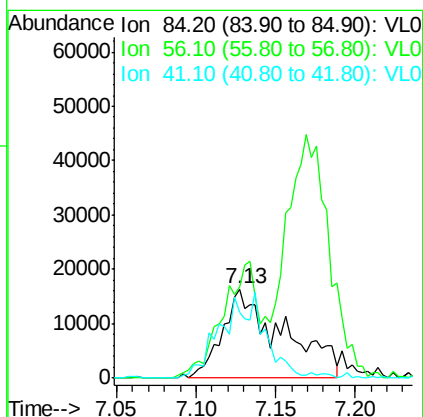
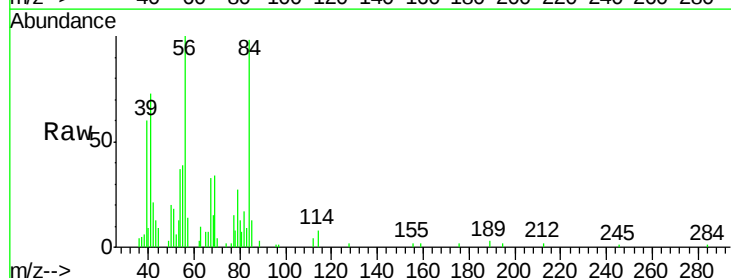
Tgt Ion: 84 Resp: 43207

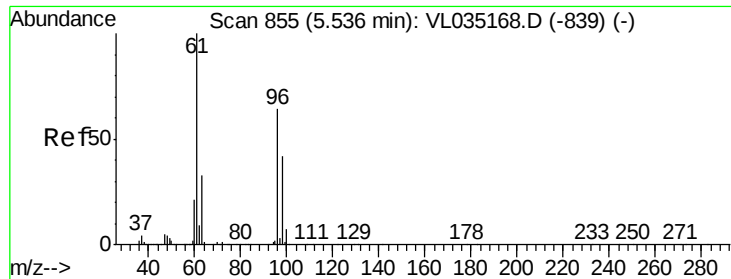
Ion Ratio Lower Upper

84 100

56 0.0 105.6 158.4#

41 0.0 64.9 97.3#





#31

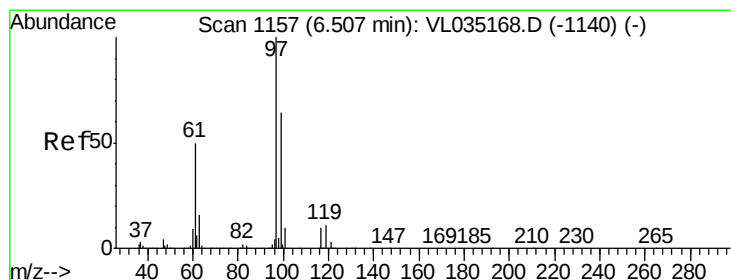
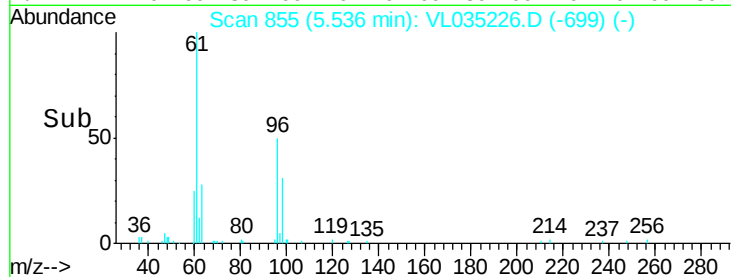
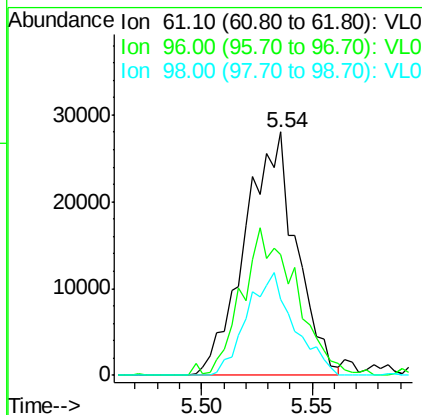
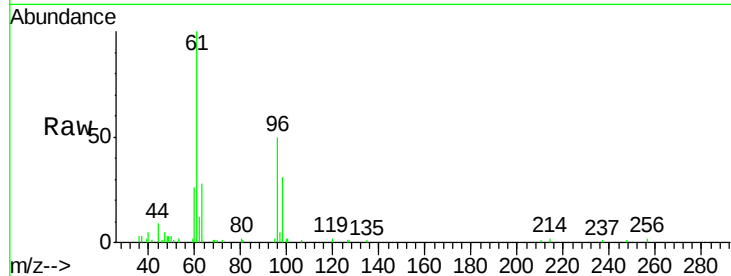
cis-1,2-Dichloroethene
 Concen: 0.423 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
61	100		
96	54.7	51.3	76.9
98	31.1	33.8	50.8

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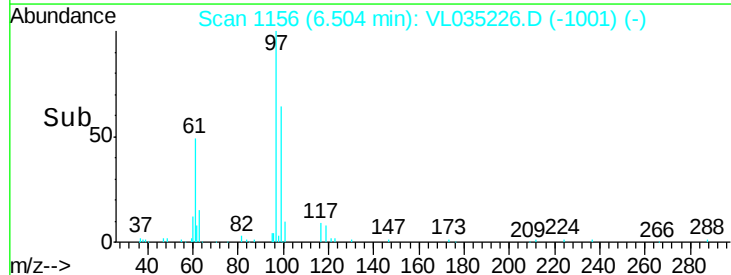
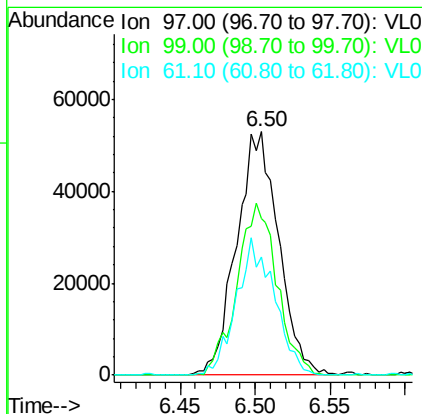
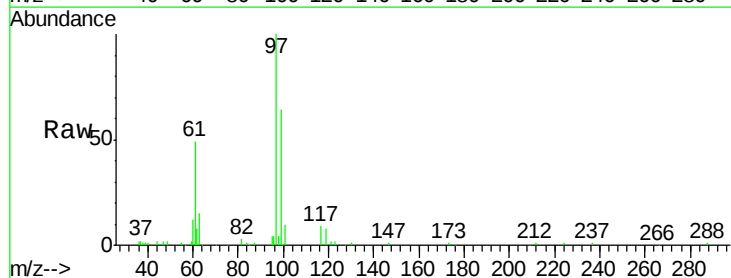
sam
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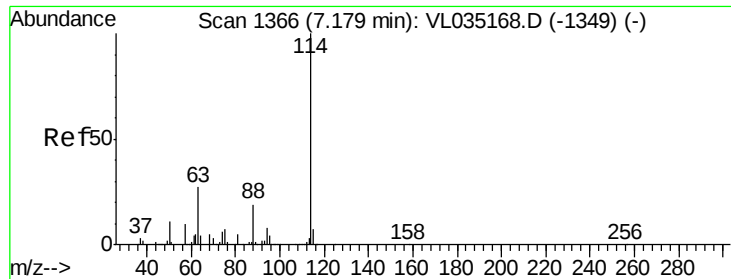


#32

1,1,1-Trichloroethane
 Concen: 0.543 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.6	51.2	76.8
61	50.9	40.9	61.3





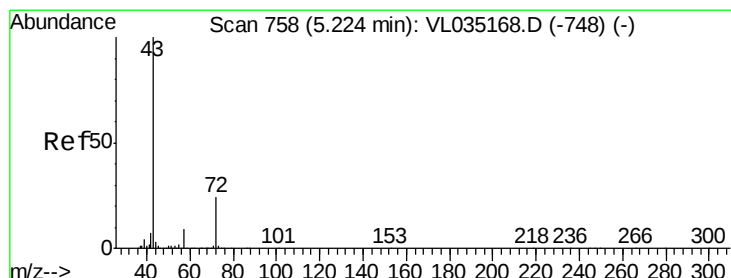
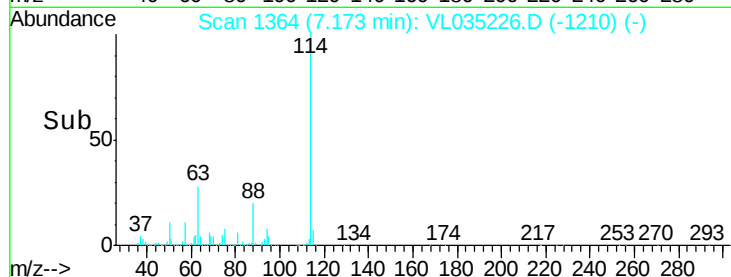
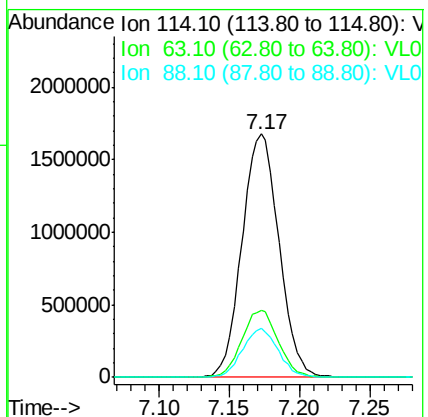
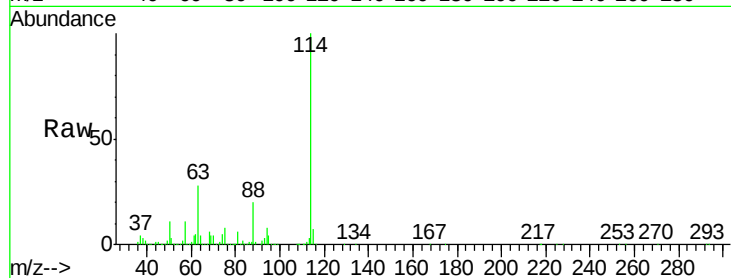
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion: 114 Resp: 3082706
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.0 33.0
 88 19.4 15.4 23.0

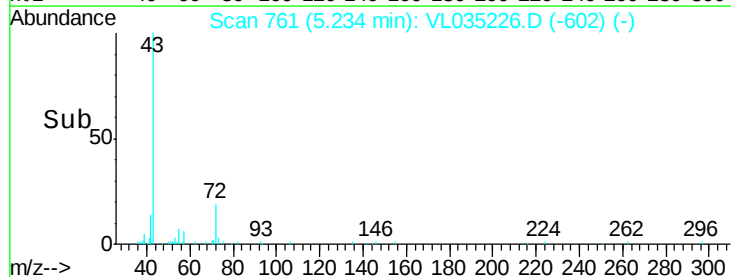
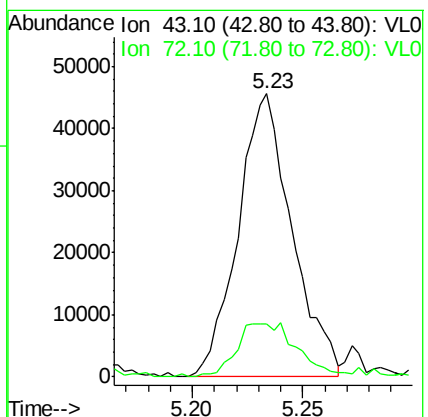
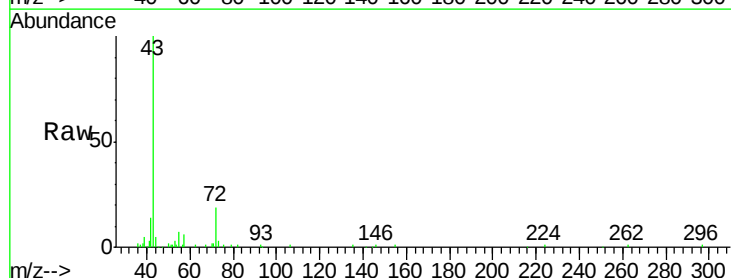
Manual Integrations
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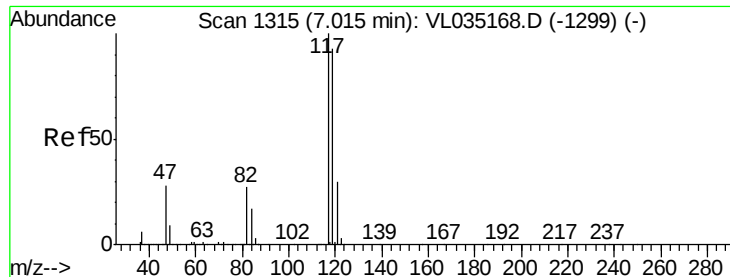
sam
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#34
 2-Butanone
 Concen: 0.471 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion: 43 Resp: 77462
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.522 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

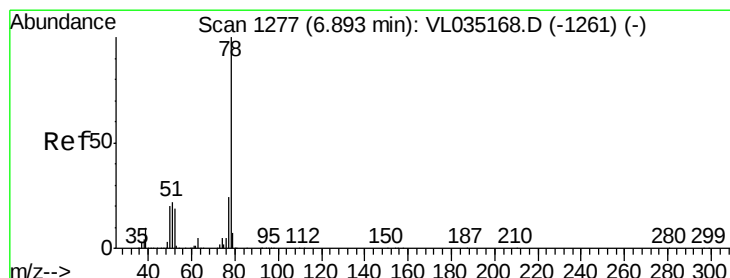
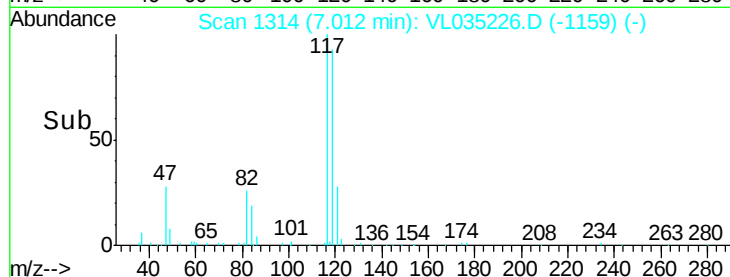
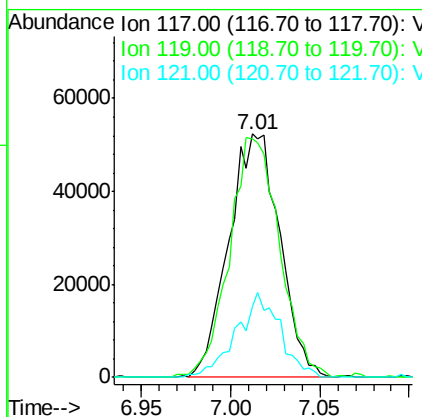
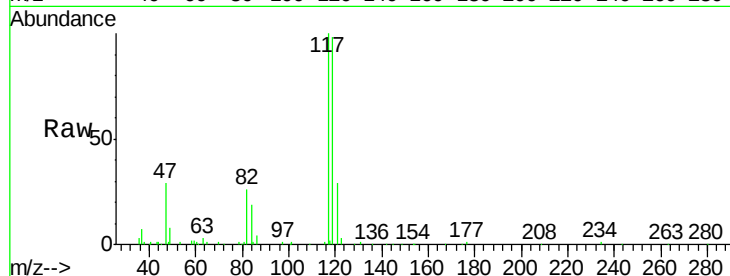
LOQ-AIR-01-QT3-2020

Tgt Ion:	117	Resp:	104528
Ion Ratio	Lower	Upper	
117	100		
119	97.4	74.8	112.2
121	29.3	24.2	36.2

Manual Integrations
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#36

Benzene

Concen: 0.425 ppbv

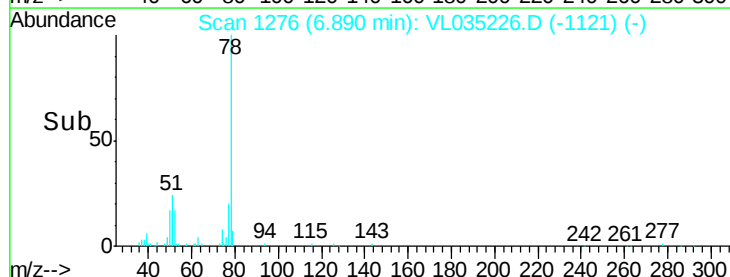
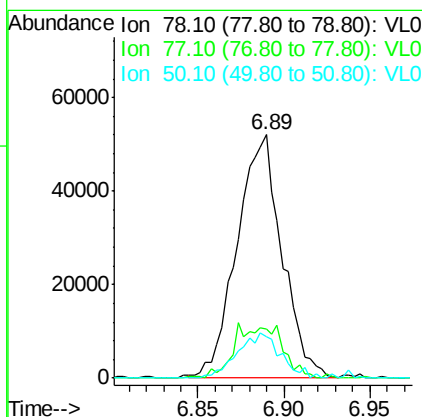
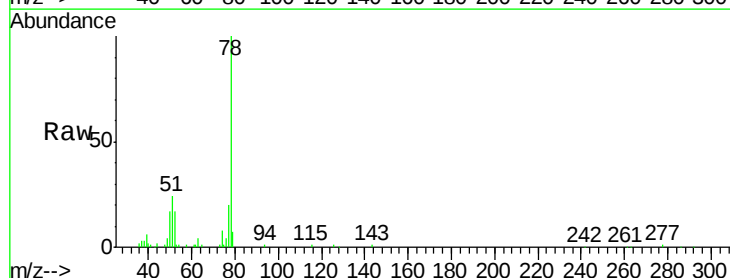
RT: 6.89 min Scan# 1276

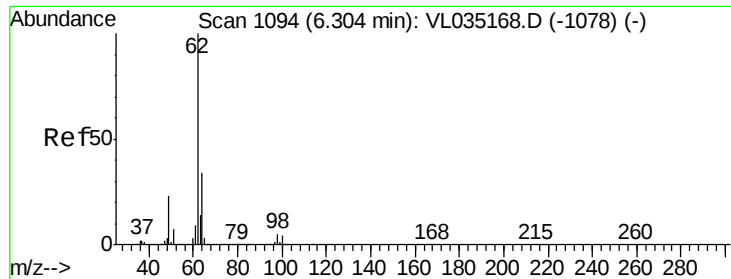
Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion:	78	Resp:	94719
Ion Ratio	Lower	Upper	
78	100		
77	20.3	19.3	28.9
50	17.1	16.0	24.0





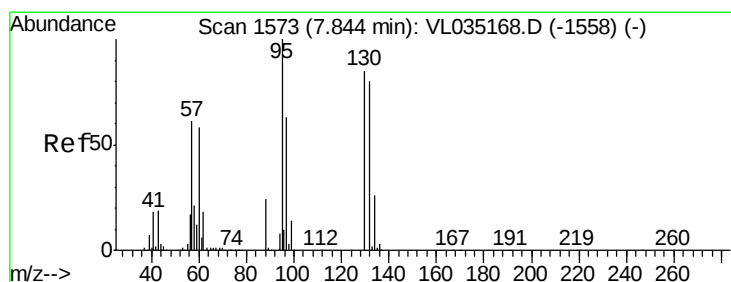
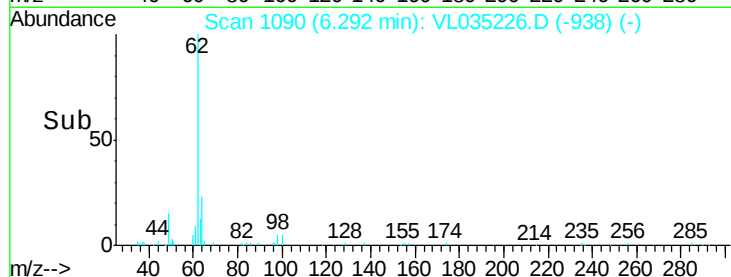
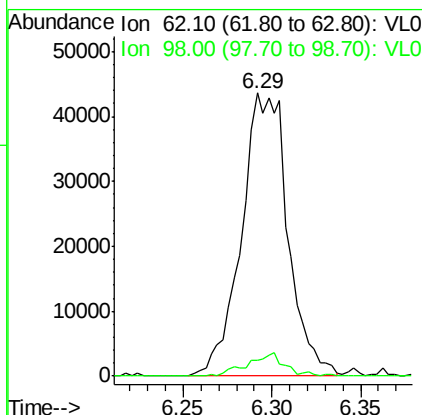
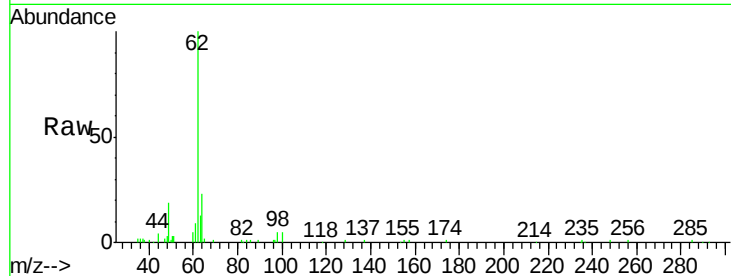
#37
 1,2-Dichloroethane
 Concen: 0.531 ppbv m
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	4.6	6.8

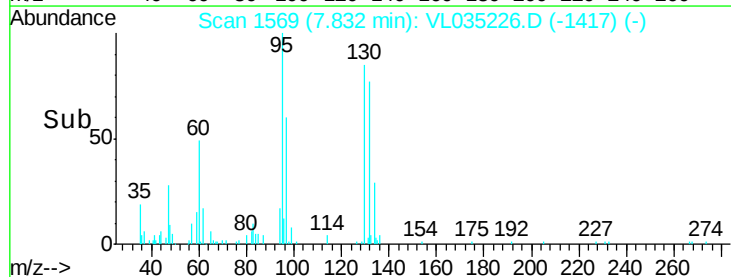
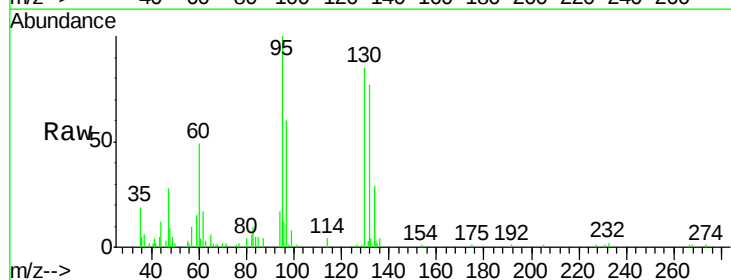
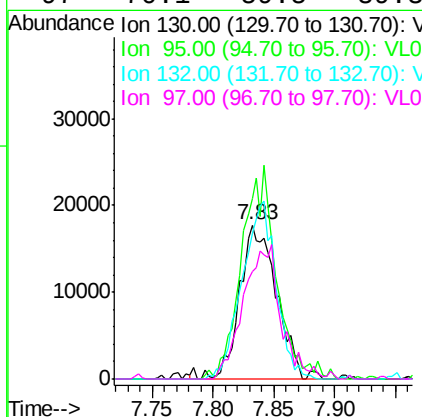
Manual Integrations
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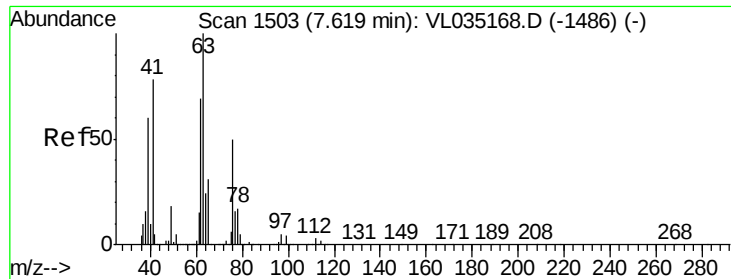
sam
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#38
 Trichloroethene
 Concen: 0.411 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.4	93.8	140.8
132	90.1	75.0	112.4
97	70.1	59.5	89.3





#39

1,2-Dichloropropane

Concen: 0.462 ppbv m

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

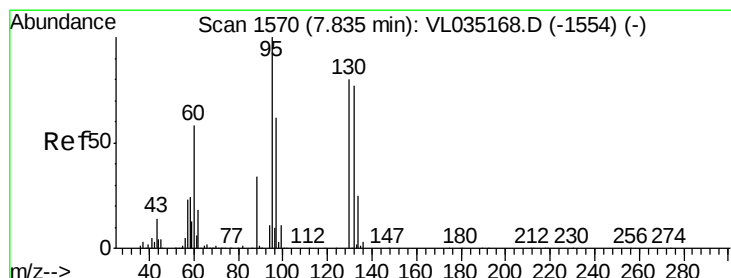
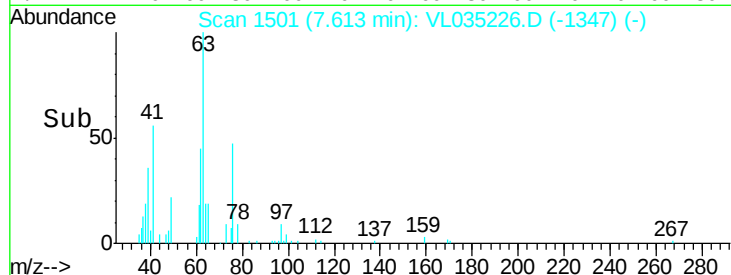
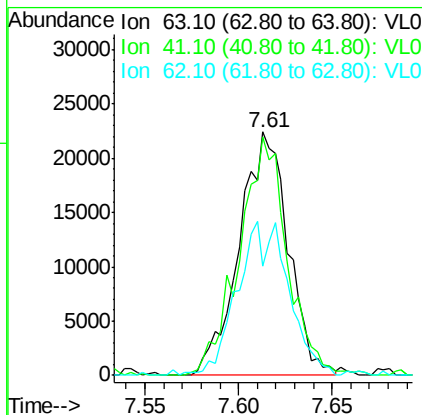
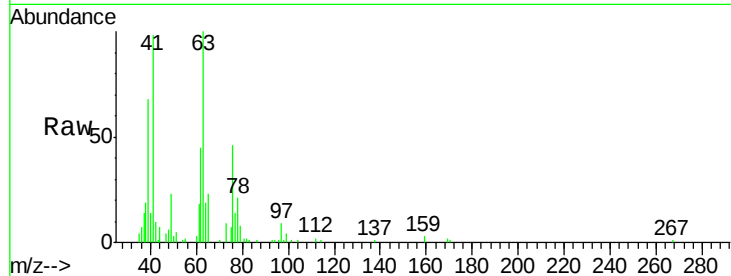
LOQ-AIR-01-QT3-2020

Tgt Ion:	63	Resp:	40976
Ion Ratio	Lower	Upper	
63	100		
41	98.0	62.6	94.0#
62	45.0	55.0	82.6#

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.413 ppbv m

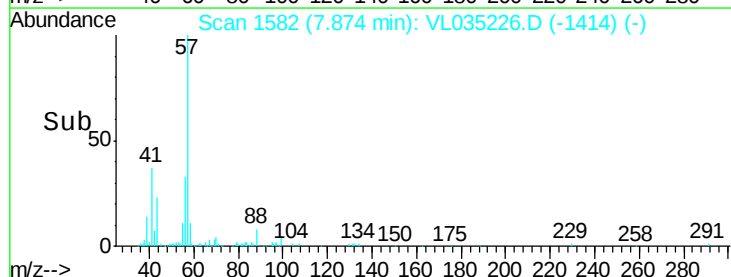
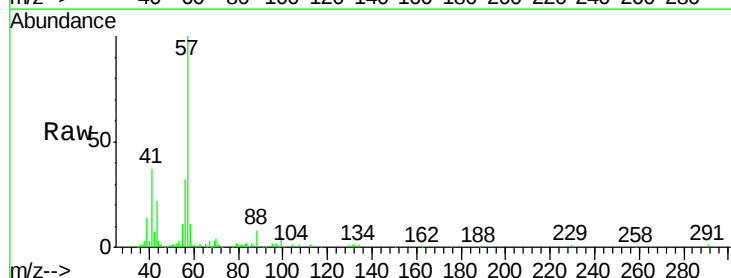
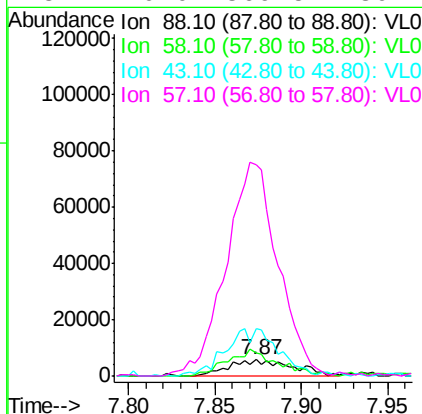
RT: 7.87 min Scan# 1582

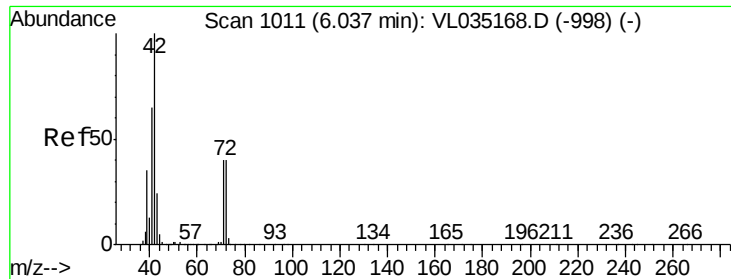
Delta R.T. 0.04 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion:	88	Resp:	14583
Ion Ratio	Lower	Upper	
88	100		
58	0.0	100.2	150.4#
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





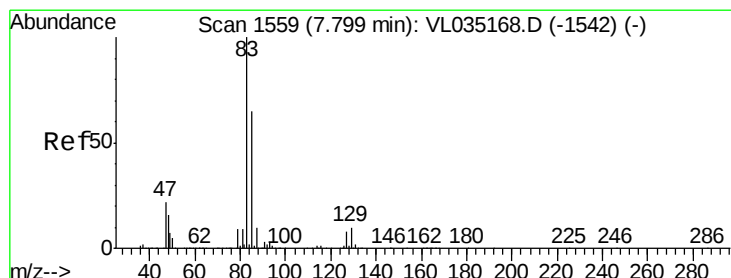
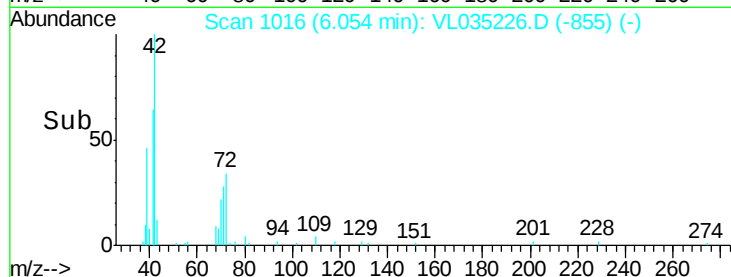
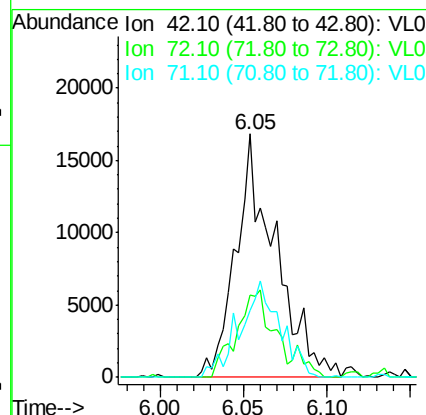
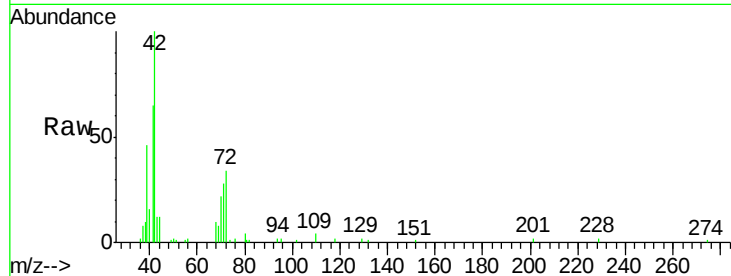
#41
Tetrahydrofuran
Concen: 0.336 ppbv m
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.2#
71	0.0	31.9	47.9#

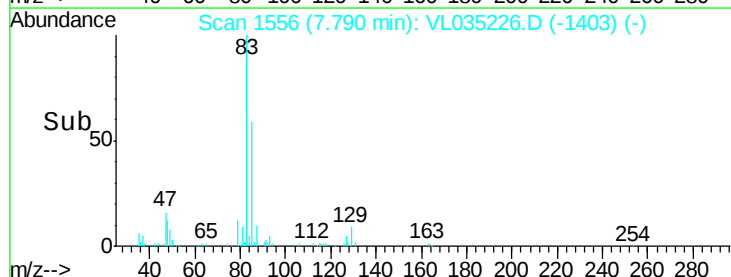
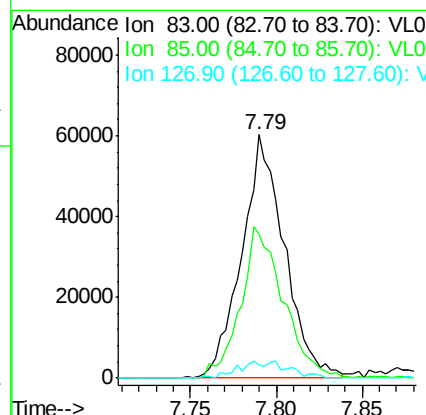
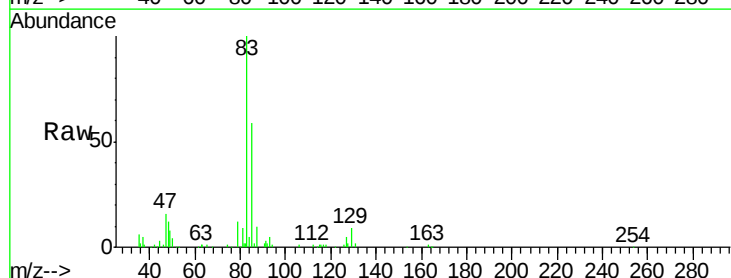
Manual Integrations
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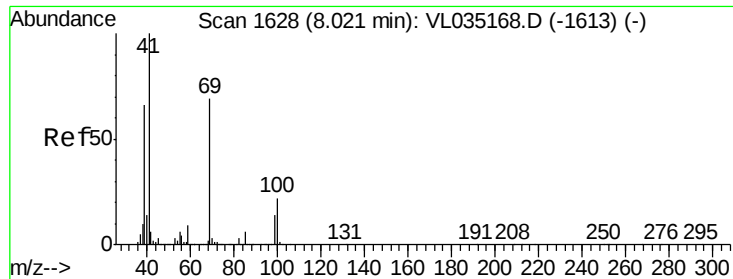
sam
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#42
Bromodichloromethane
Concen: 0.521 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	52.2	78.4
127	5.2	6.3	9.5#





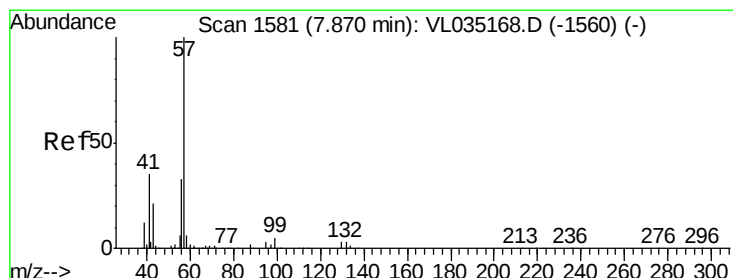
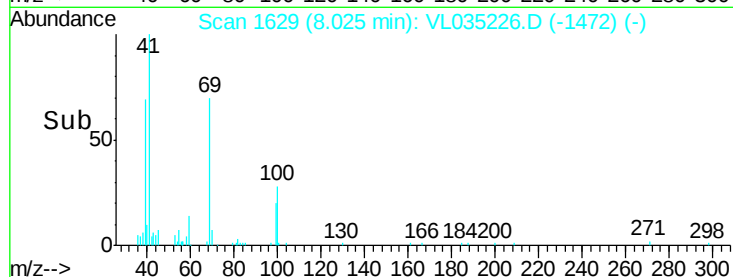
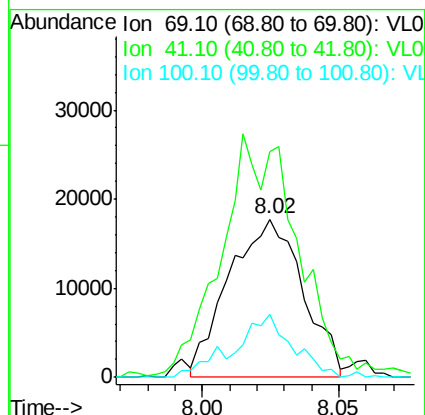
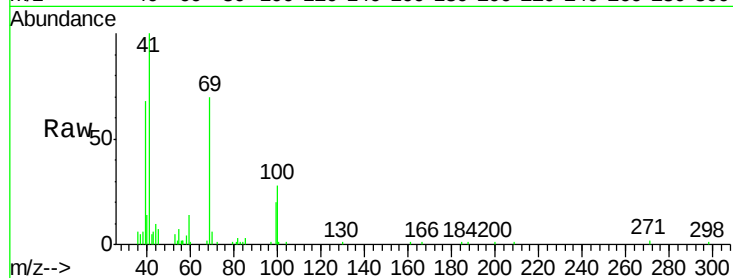
#43
Methyl Methacrylate
Concen: 0.354 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	160.9	116.3	174.5
100	31.9	25.6	38.4

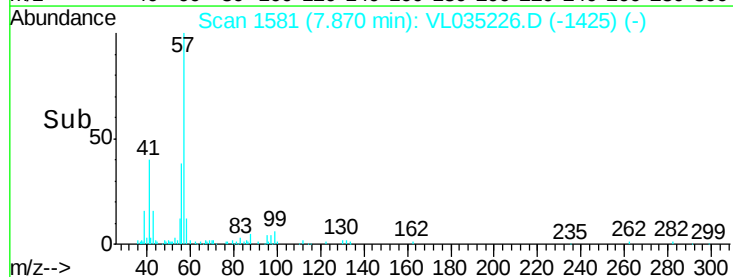
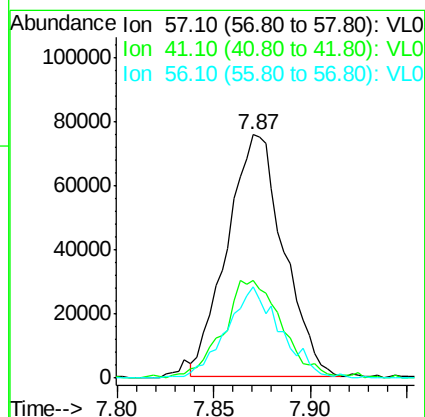
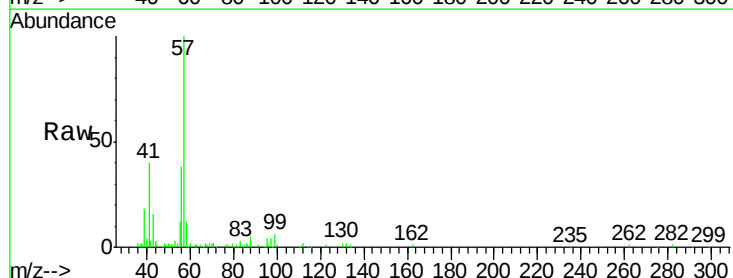
Manual Integrations
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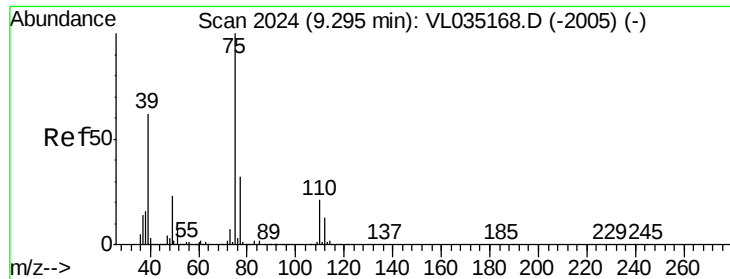
sam
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#44
2,2,4-Trimethylpentane
Concen: 0.399 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	42.5	27.0	40.6#
56	35.9	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 0.335 ppbv m

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 75 Resp: 33197

Ion Ratio Lower Upper

75 100

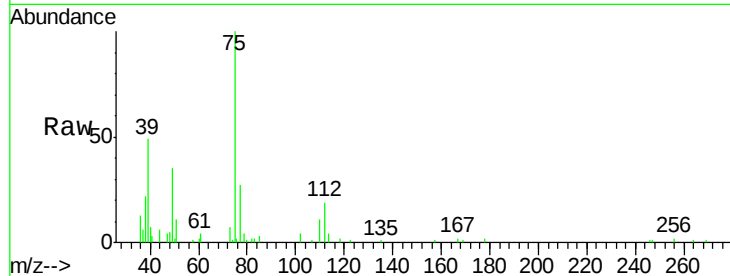
77 26.6 25.8 38.8

Manual Integrations

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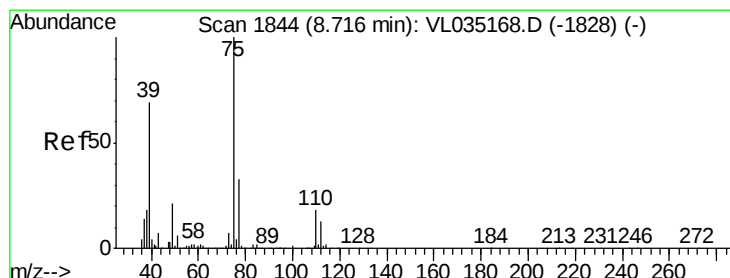
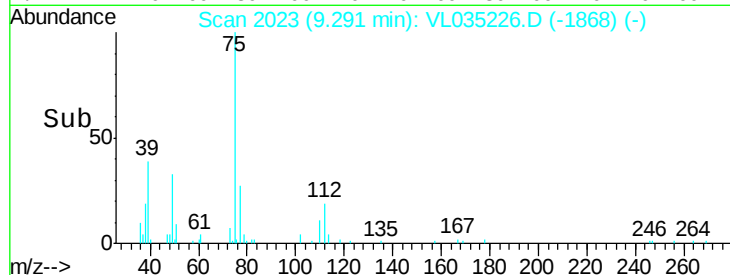
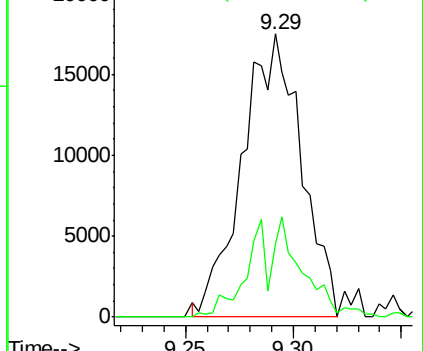
sam

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.338 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

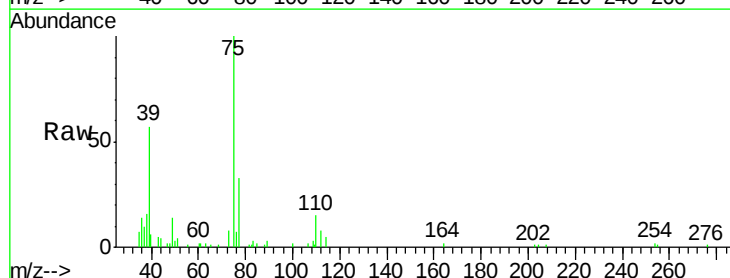
Tgt Ion: 75 Resp: 39696

Ion Ratio Lower Upper

75 100

39 52.6 55.2 82.8#

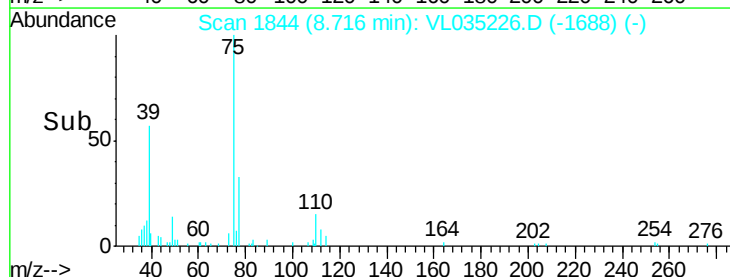
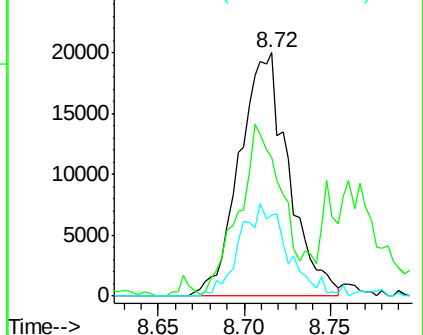
77 33.1 26.0 39.0

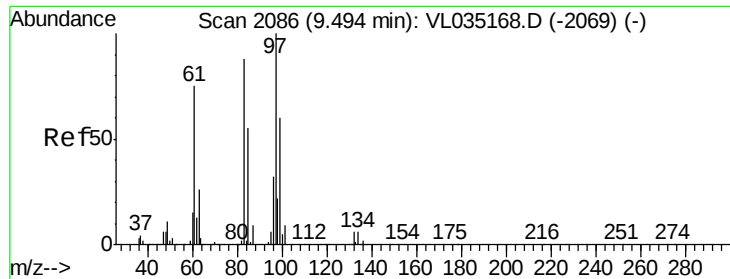


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





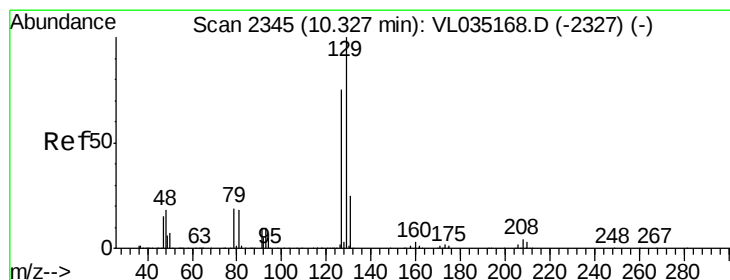
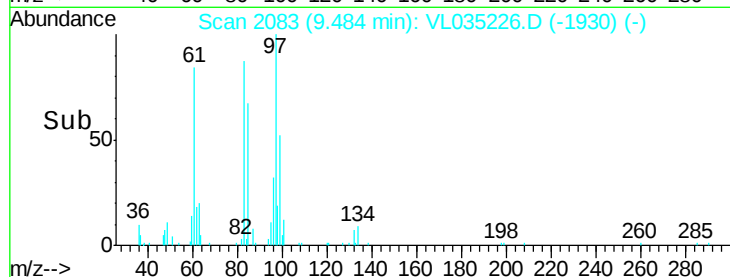
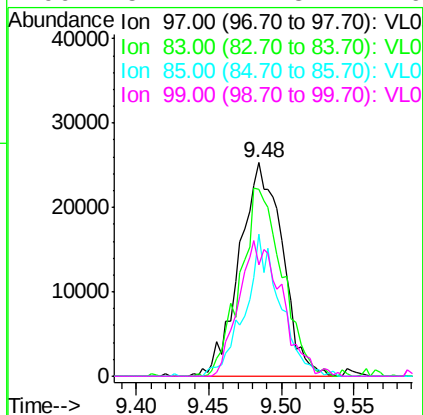
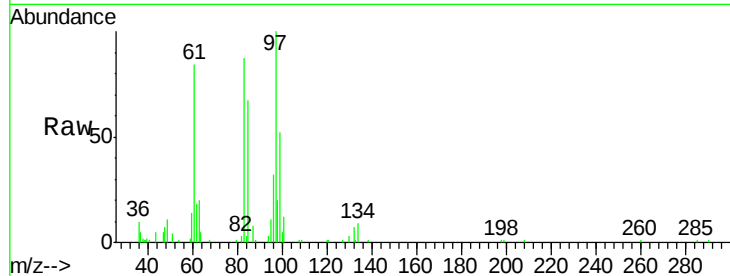
#47
 1,1,2-Trichloroethane
 Concen: 0.536 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.3	105.5
85	66.8	44.3	66.5#
99	52.1	47.8	71.6

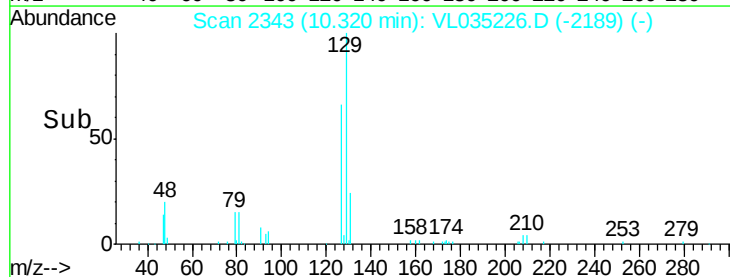
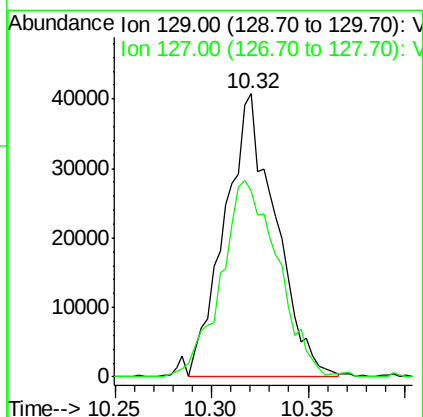
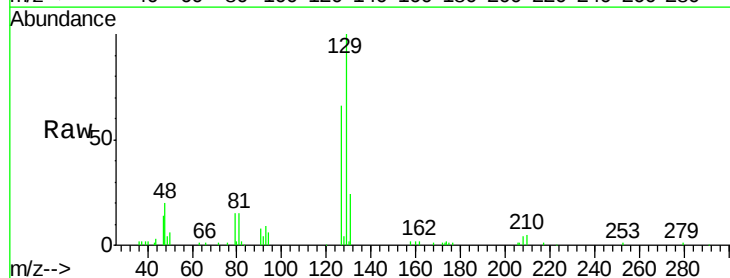
Manual Integrations
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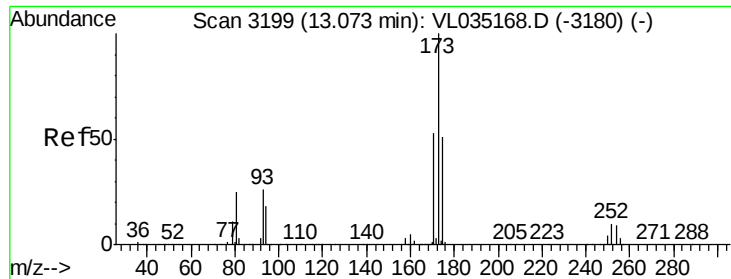
sam
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#48
 Dibromochloromethane
 Concen: 0.471 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.8	116.3





#49

Bromoform

Concen: 0.438 ppbv m

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

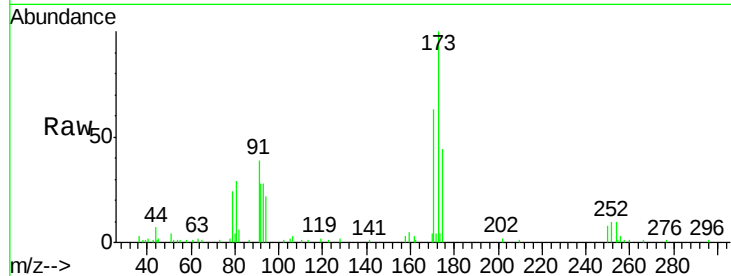
ClientSampleId :

LOQ-AIR-01-QT3-2020

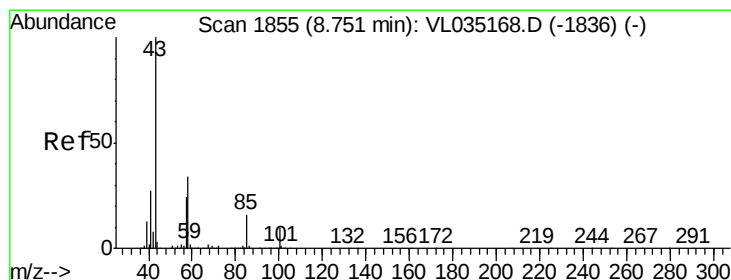
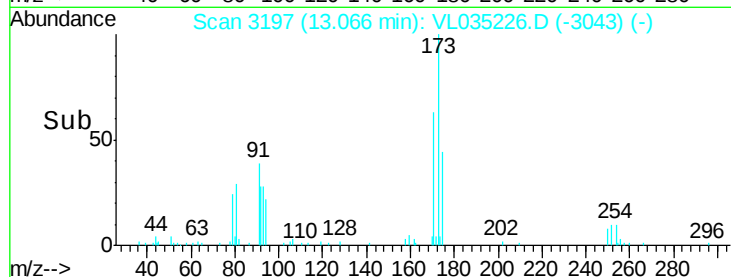
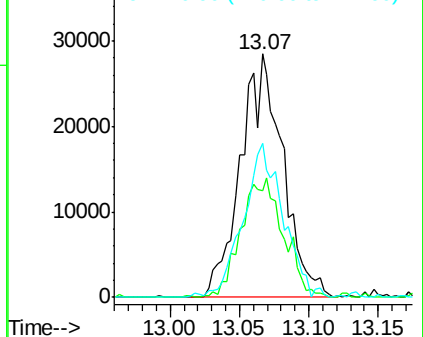
Tgt Ion:	173	Resp:	60586
Ion Ratio	Lower	Upper	
173	100		
175	0.0	39.7	59.5#
171	0.0	41.6	62.4#

Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.384 ppbv m

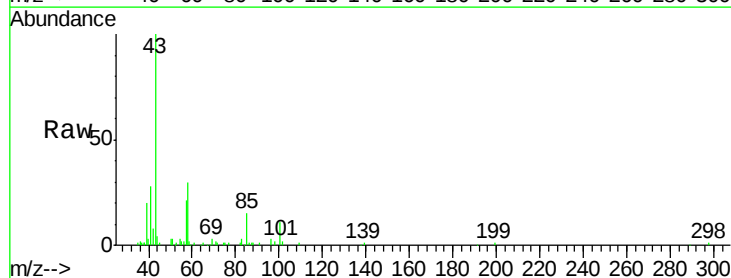
RT: 8.77 min Scan# 1860

Delta R.T. 0.02 min

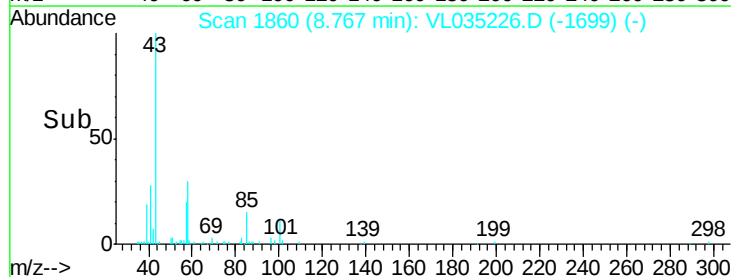
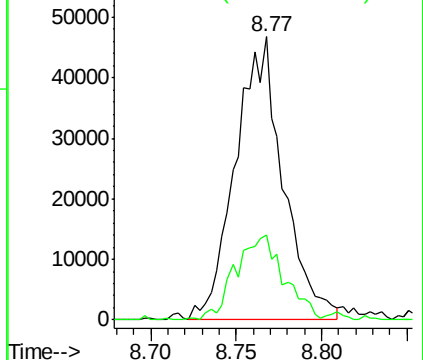
Lab File: VL035226.D

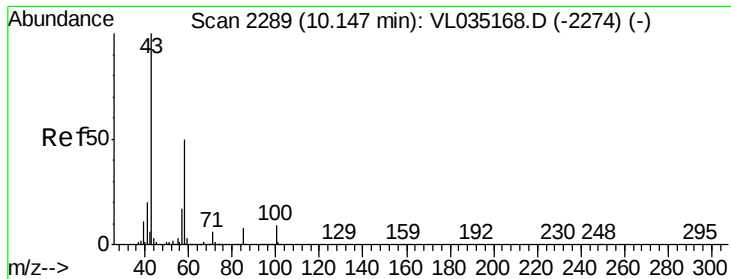
Acq: 23 Jul 2020 13:18

Tgt Ion:	43	Resp:	90665
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.4	44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





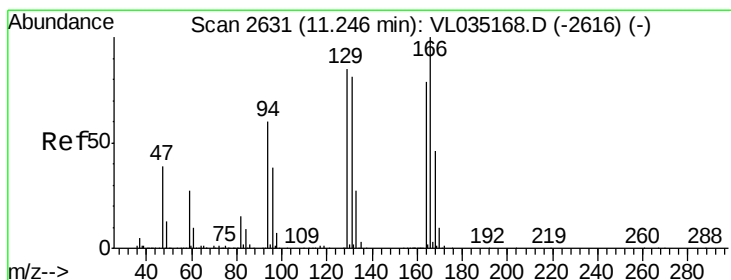
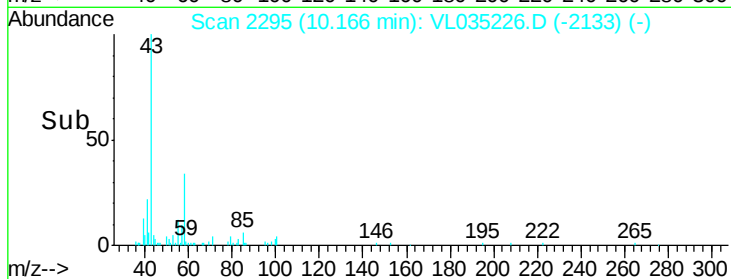
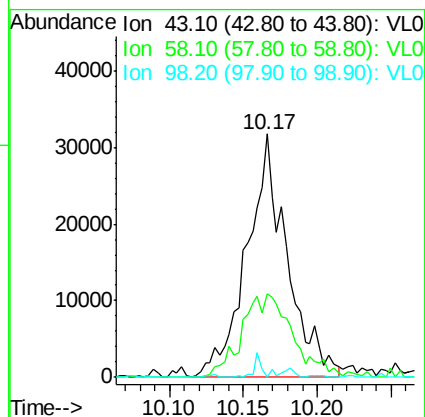
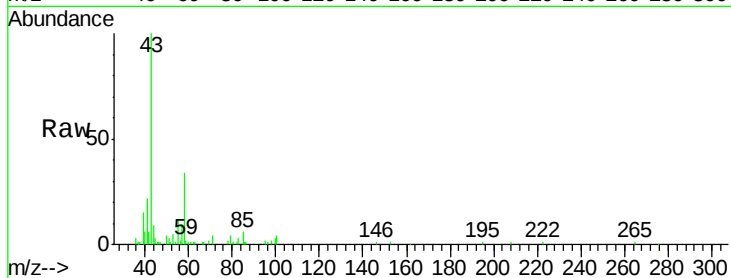
#51
2-Hexanone
Concen: 0.332 ppbv m
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	0.0	0.3	0.5#

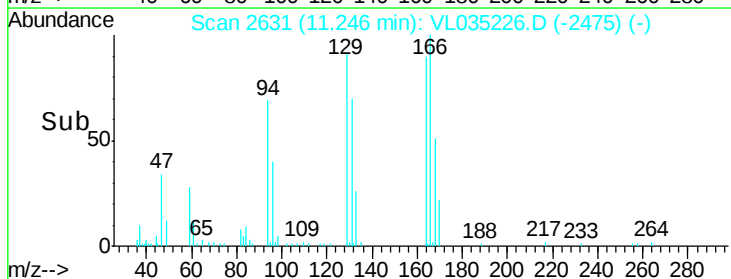
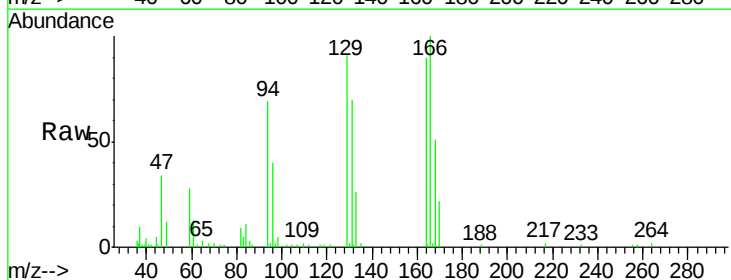
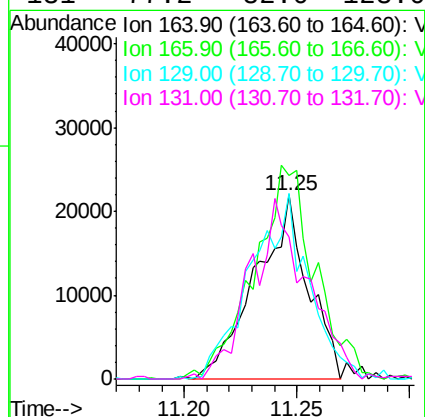
Manual Integrations
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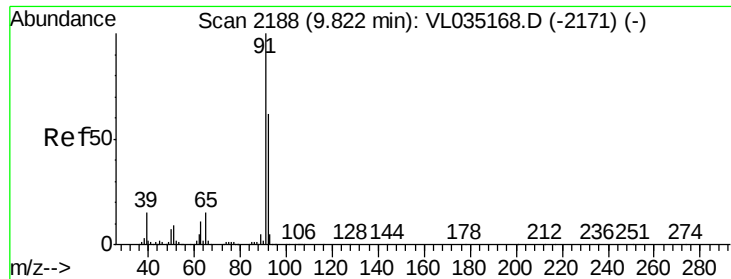
sam
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#52
Tetrachloroethene
Concen: 0.423 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.9	100.7	151.1
129	100.6	85.8	128.6
131	77.2	82.0	123.0#





#53

Toluene

Concen: 0.325 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 76535

Ion Ratio Lower Upper

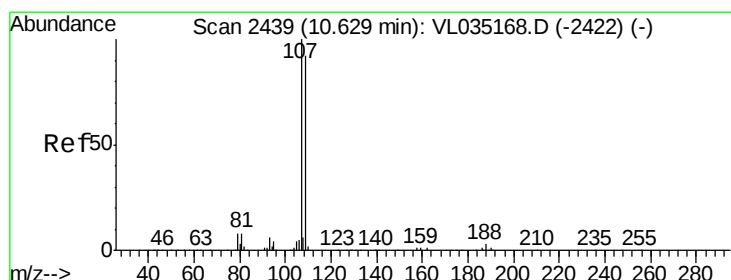
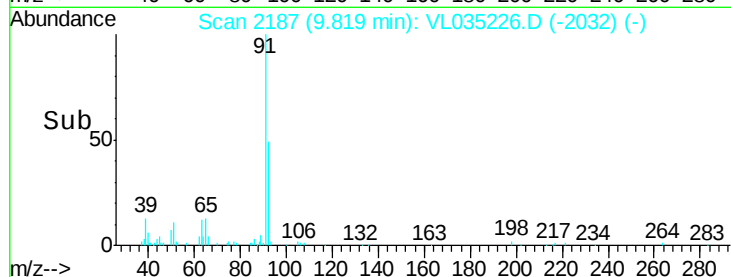
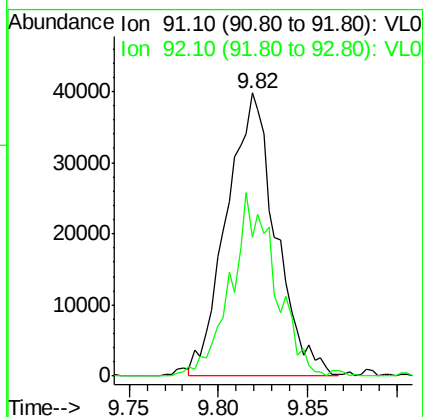
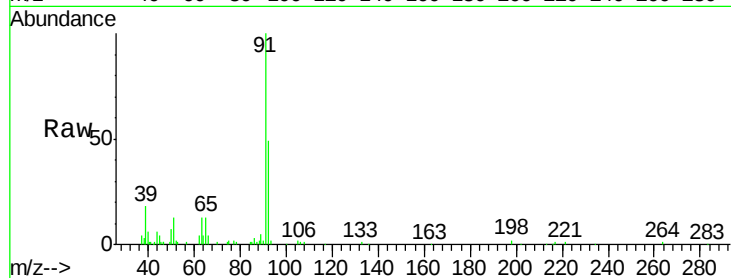
91 100

92 58.7 48.4 72.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.448 ppbv m

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035226.D

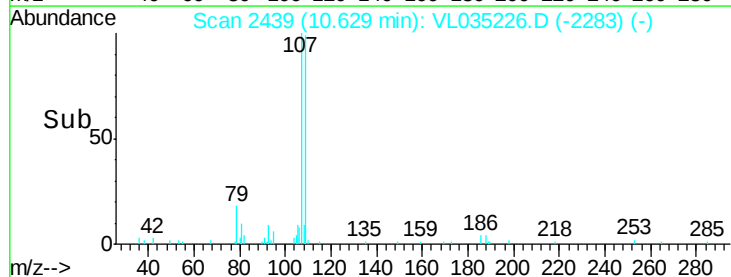
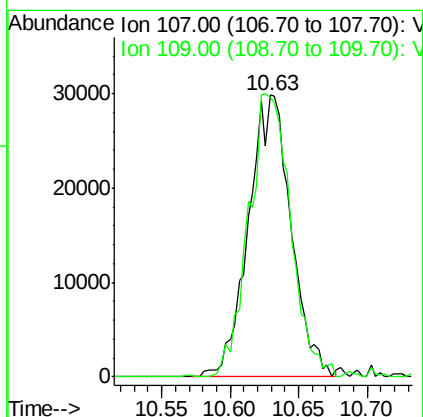
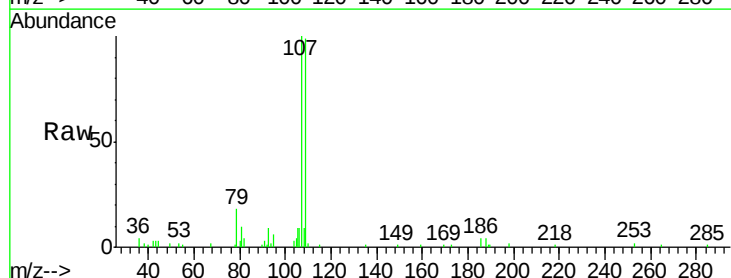
Acq: 23 Jul 2020 13:18

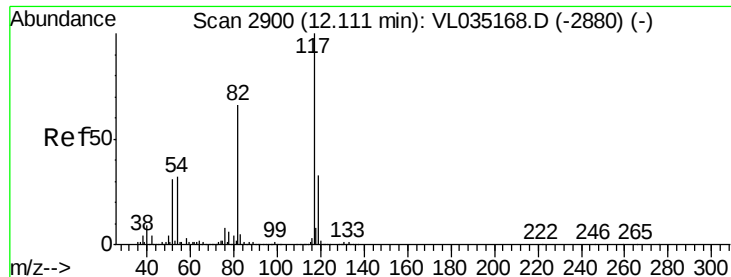
Tgt Ion: 107 Resp: 64526

Ion Ratio Lower Upper

107 100

109 99.3 74.0 111.0





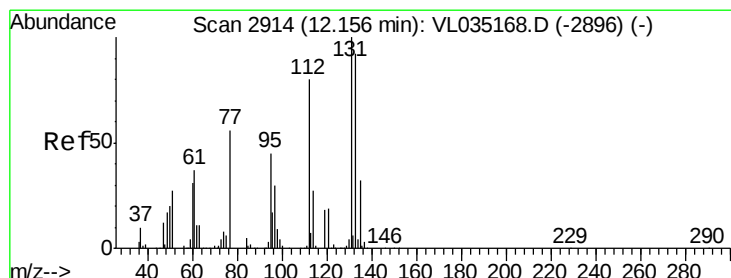
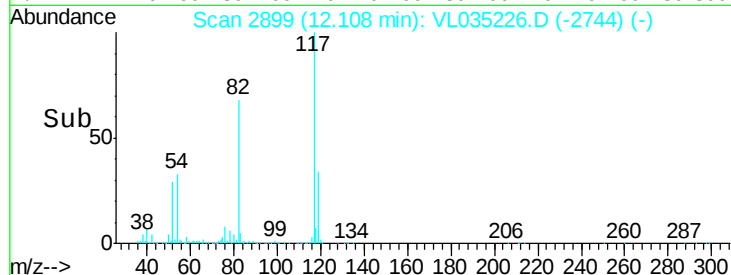
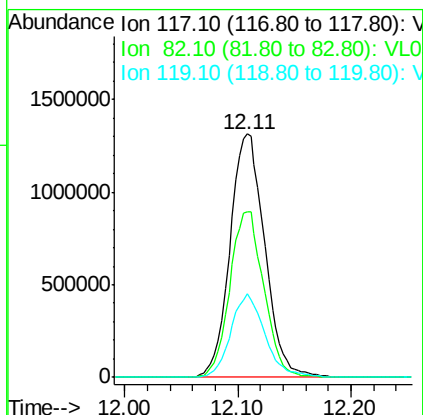
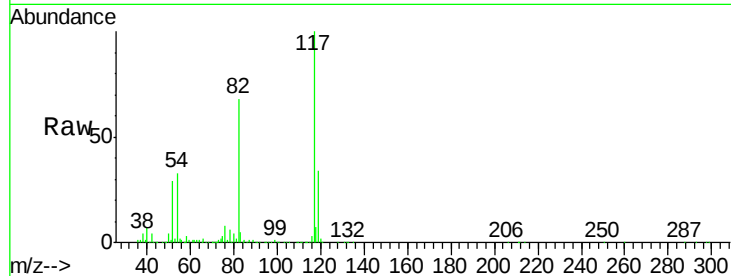
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.9	52.3	78.5
119	33.8	24.9	37.3

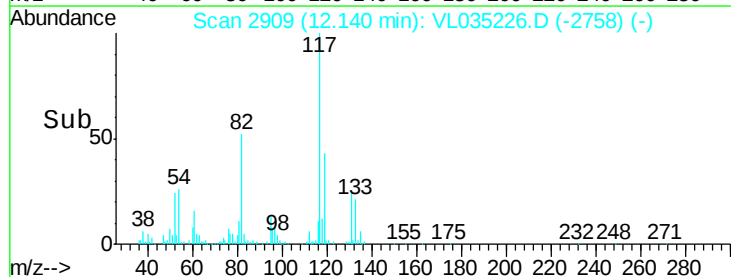
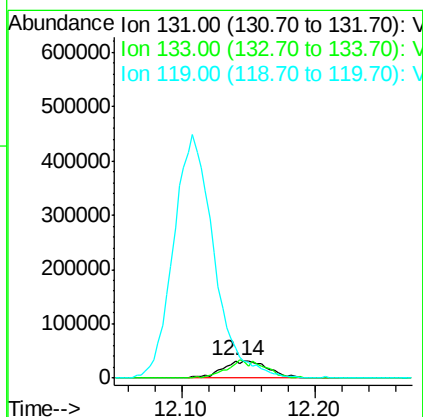
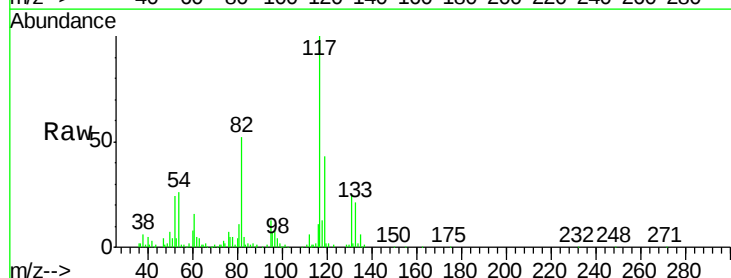
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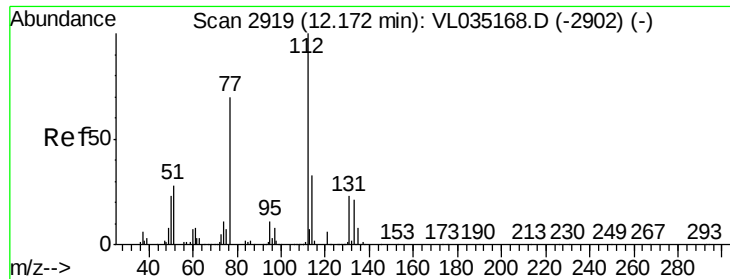
sam
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.604 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	87.5	75.4	113.2
119	0.0	42.4	63.6#





#57

Chlorobenzene

Concen: 0.580 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

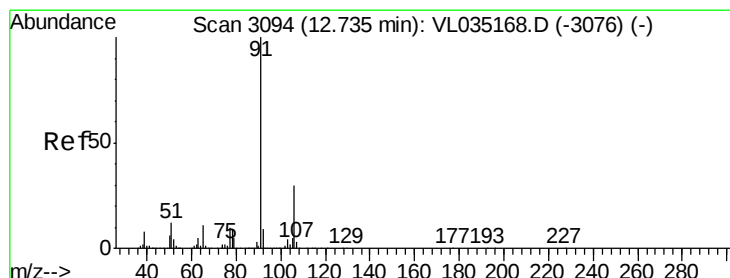
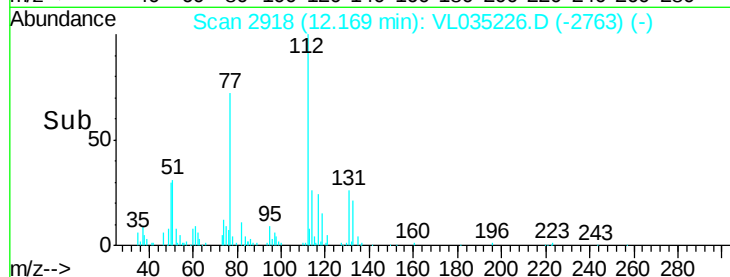
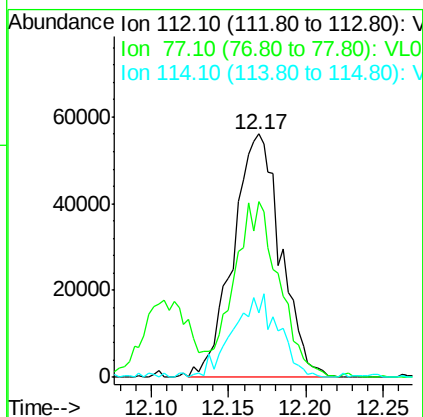
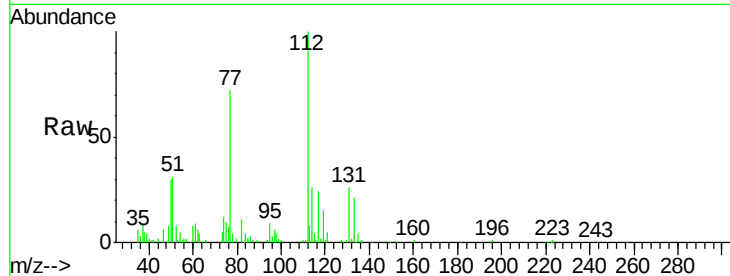
ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion:	112	Resp:	120028
Ion Ratio	Lower	Upper	
112	100		
77	71.8	57.0	85.4
114	26.4	30.2	37.0#

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.335 ppbv m

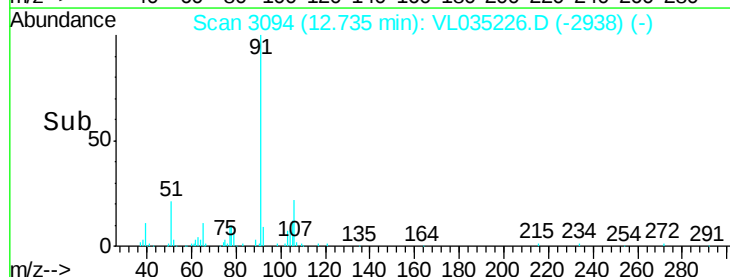
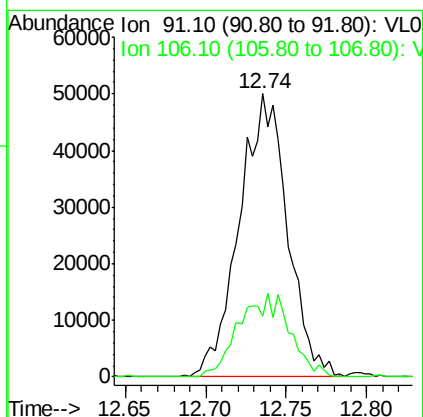
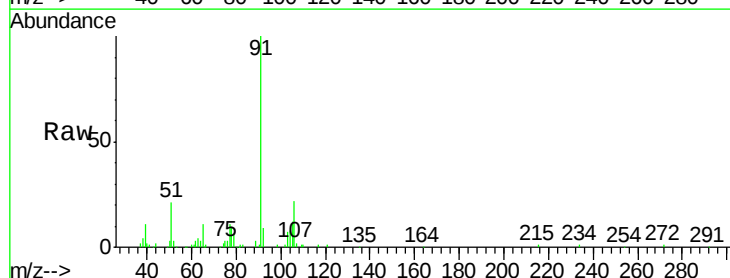
RT: 12.74 min Scan# 3094

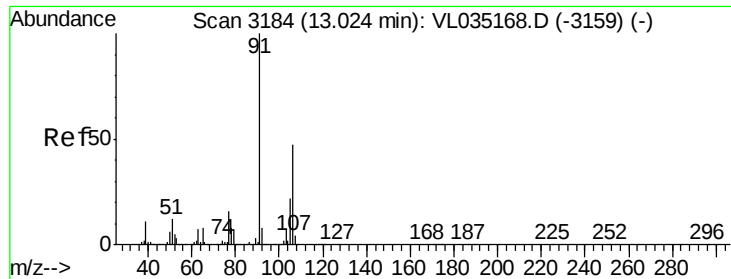
Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion:	91	Resp:	103868
Ion Ratio	Lower	Upper	
91	100		
106	21.6	24.2	36.2#





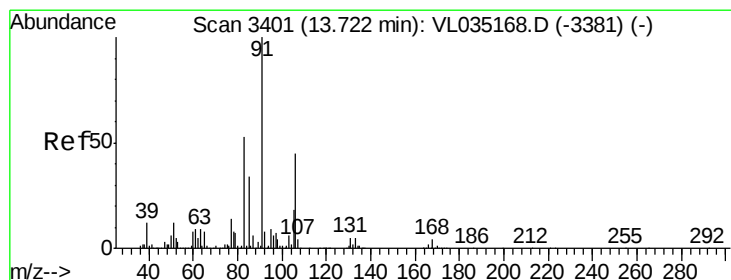
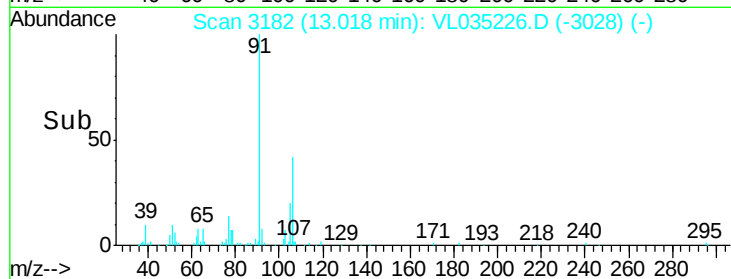
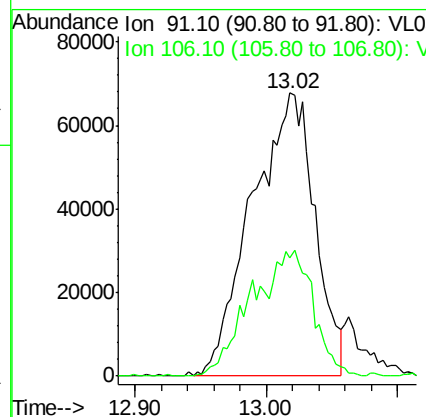
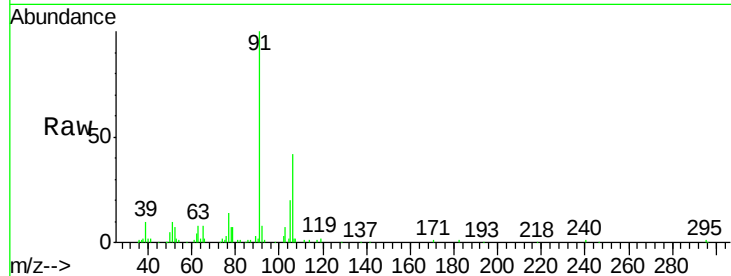
#59
m/p-Xylene
Concen: 0.814 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 225027
Ion Ratio Lower Upper
91 100
106 43.8 36.2 54.2

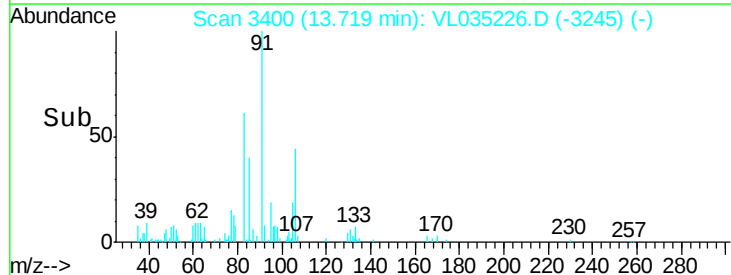
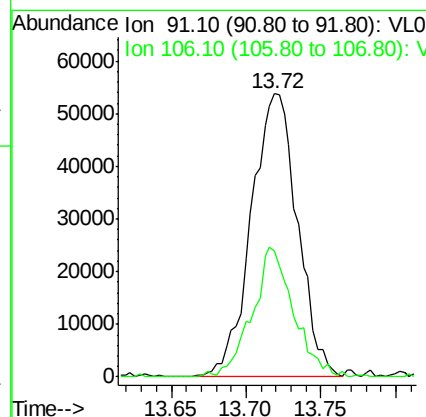
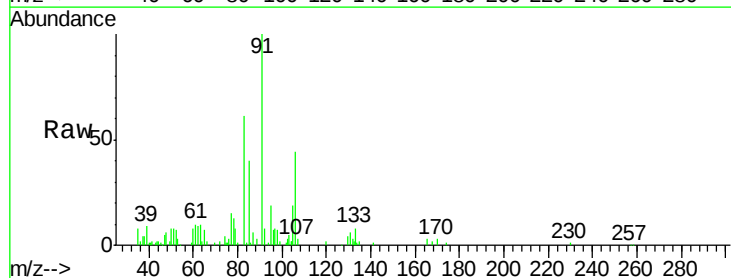
Manual Integrations
APPROVED

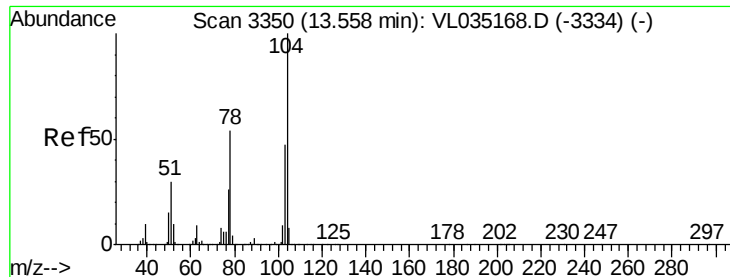
sam
7/27/2020 6:17:21 PM



#60
o-Xylene
Concen: 0.420 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 91 Resp: 115997
Ion Ratio Lower Upper
91 100
106 41.2 22.1 66.3





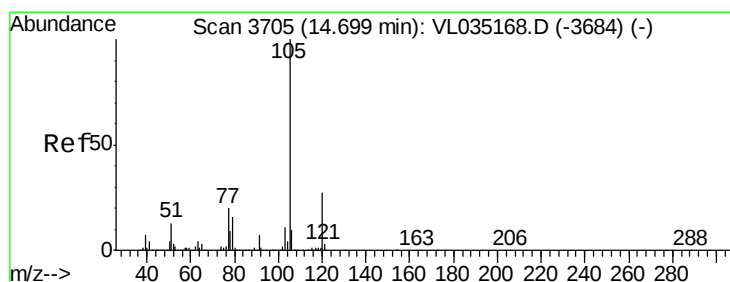
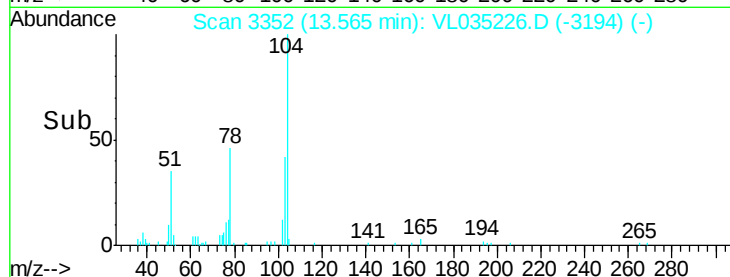
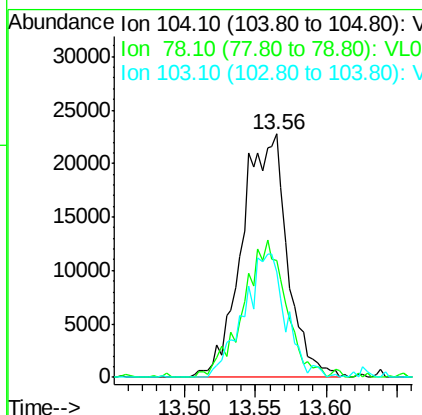
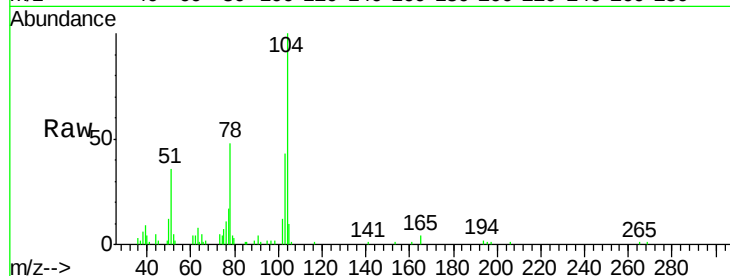
#61
Styrene
Concen: 0.298 ppbv m
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.4	65.0#
103	0.0	37.4	56.0#

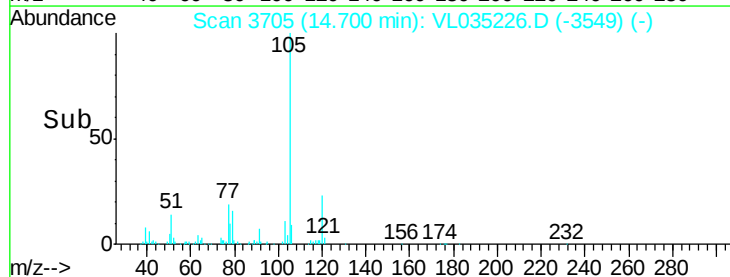
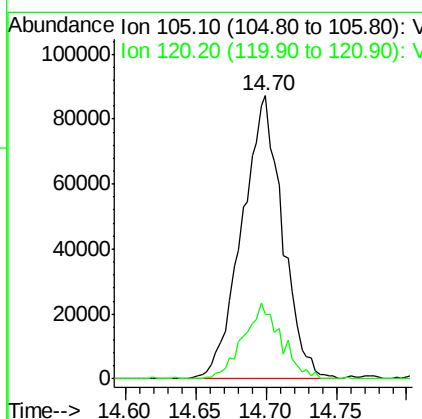
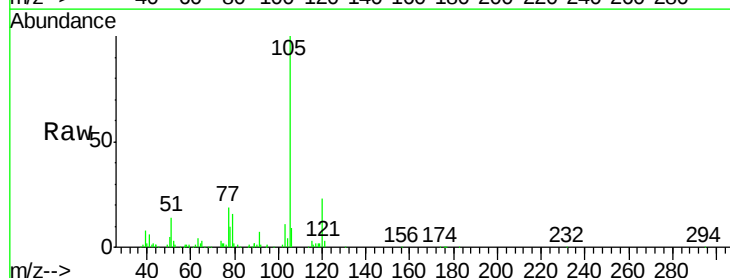
Manual Integrations
APPROVED

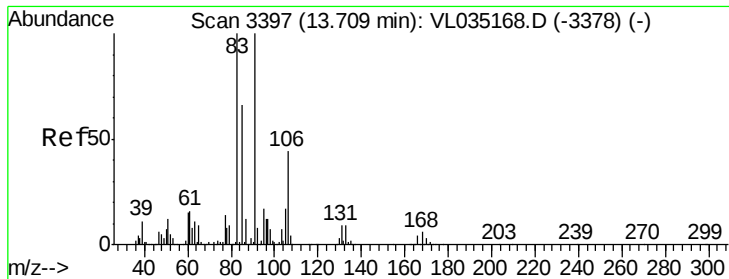
sam
7/27/2020 6:17:21 PM



#62
Isopropylbenzene
Concen: 0.428 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.7	31.1





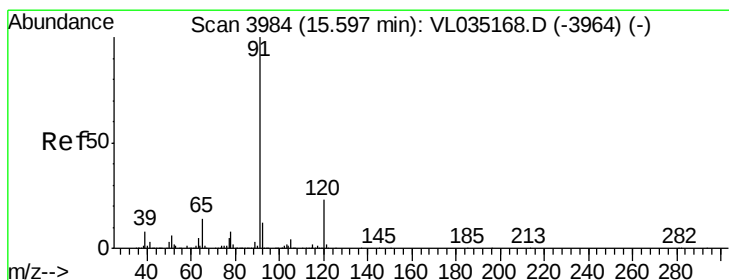
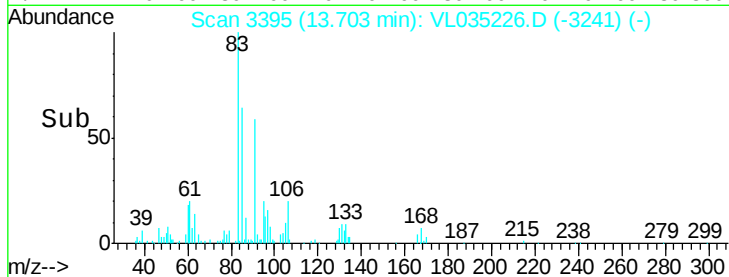
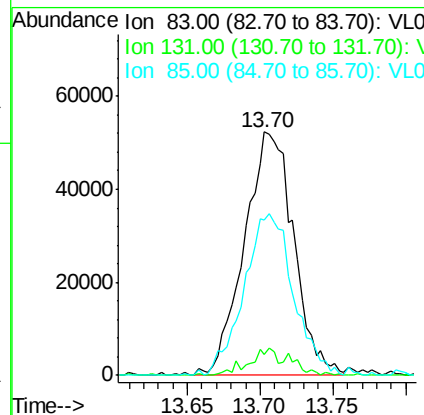
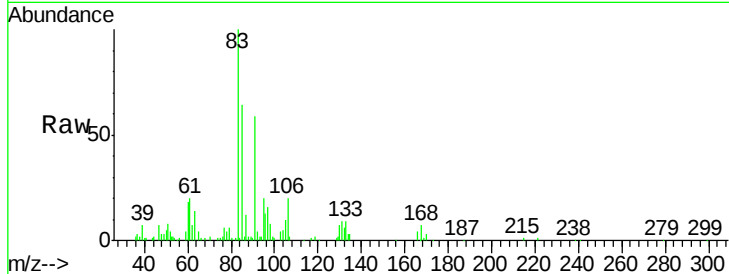
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.532 ppbv m
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	122635		
131	9.3	4.7	14.0	
85	67.2	33.0	99.0	

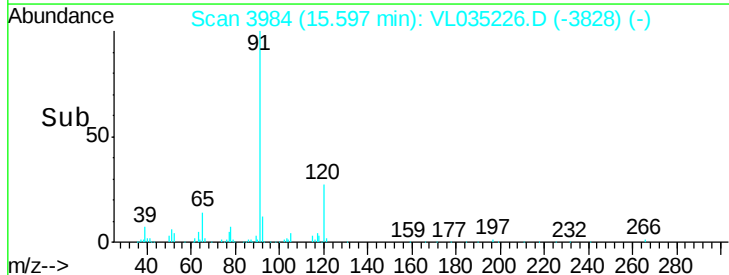
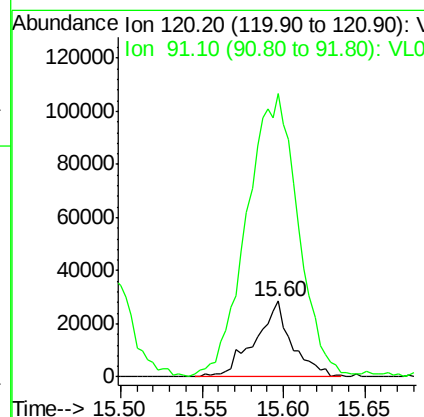
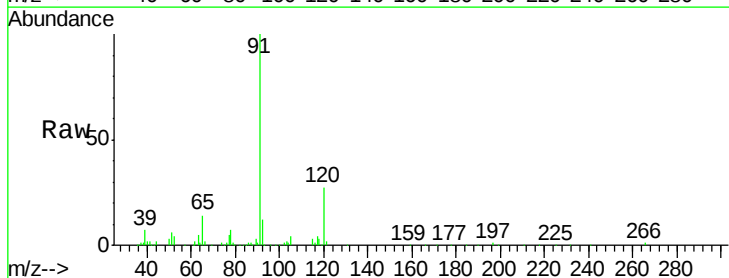
Manual Integrations
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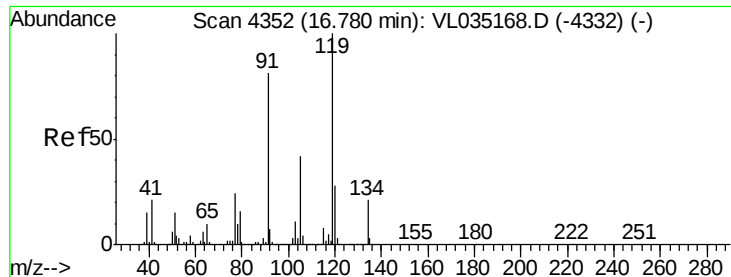
sam
 7/27/2020 6:17:21 PM



#64
 n-propylbenzene
 Concen: 0.428 ppbv m
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	45181		
91	528.5	372.4	558.6	





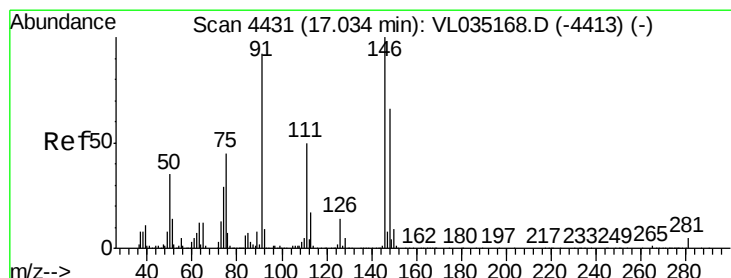
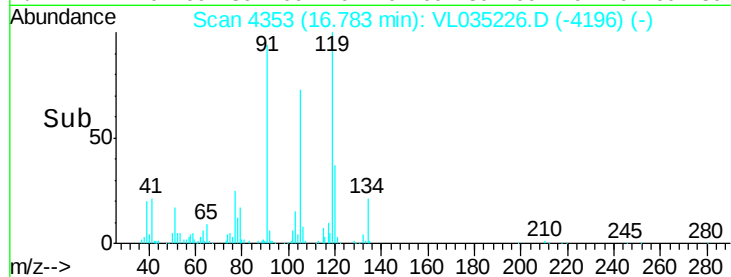
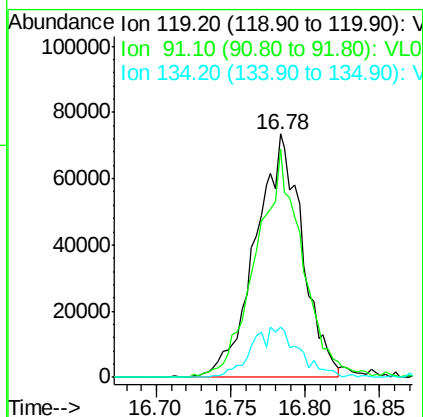
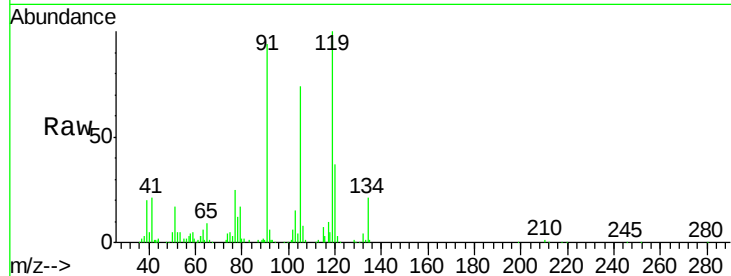
#65
 tert-Butylbenzene
 Concen: 0.437 ppbv m
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.5	101.3#
134	0.0	16.0	24.0#

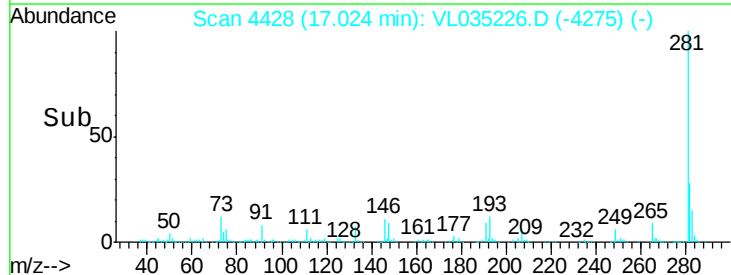
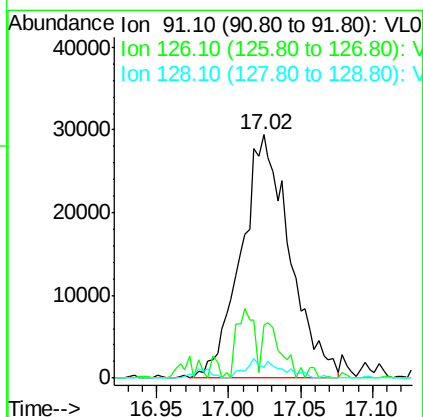
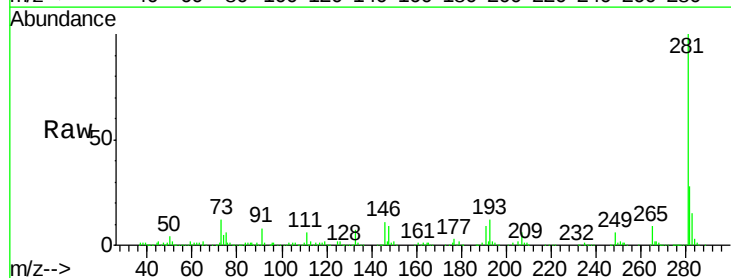
Manual Integrations
 APPROVED

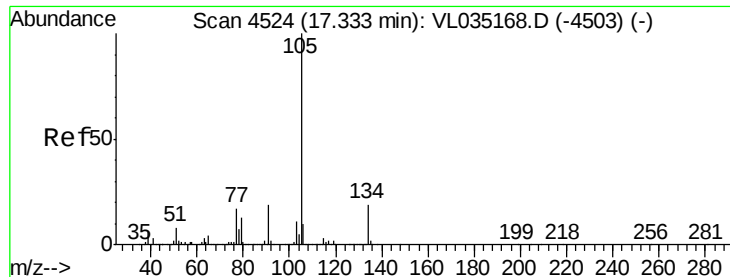
sam
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#66
 Benzyl Chloride
 Concen: 0.527 ppbv m
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	21.5	13.9	20.9#
128	5.4	4.2	6.4





#67

sec-Butylbenzene

Concen: 0.467 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion: 105 Resp: 250001

Ion Ratio Lower Upper

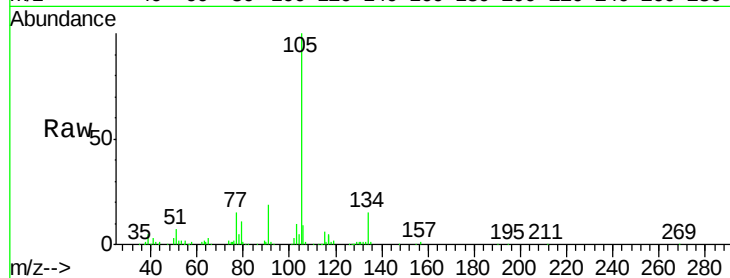
105 100

134 16.8 14.6 21.8

Manual Integrations
APPROVED

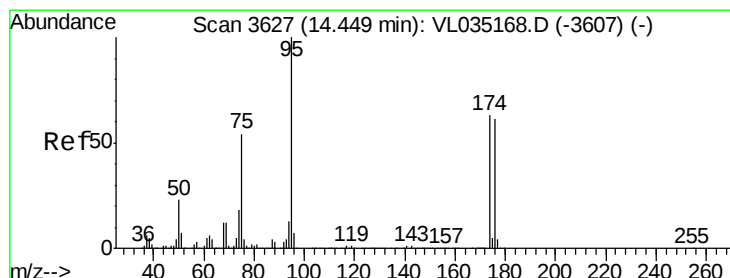
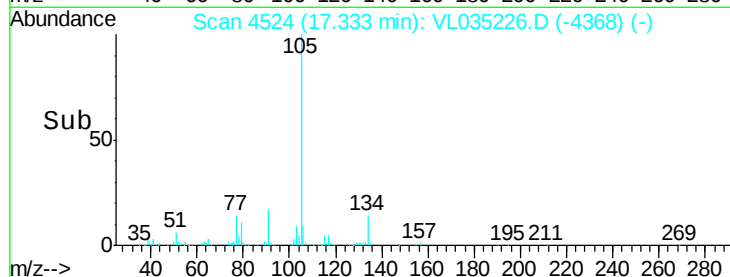
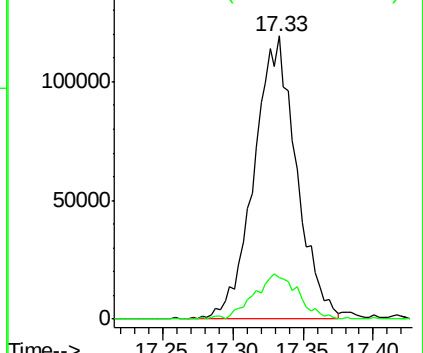
sam

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.149 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

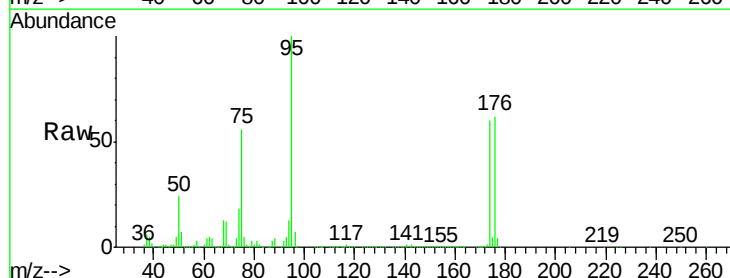
Tgt Ion: 95 Resp: 2315051

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

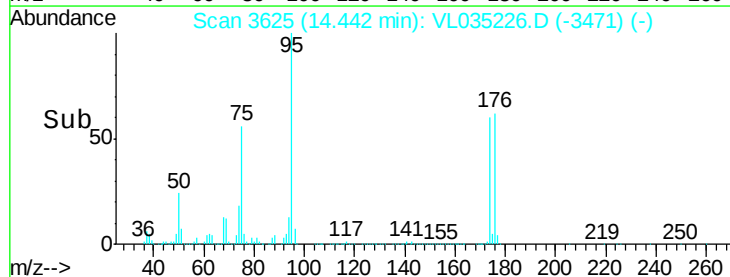
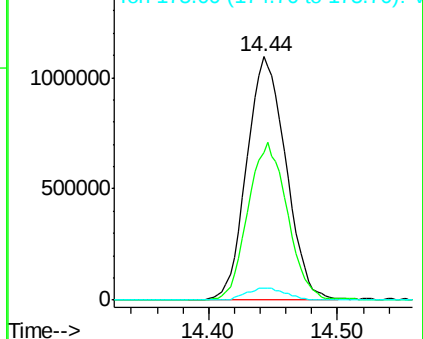
175 5.1 4.0 6.0

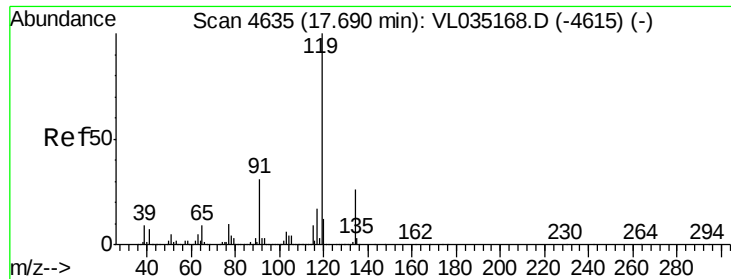


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





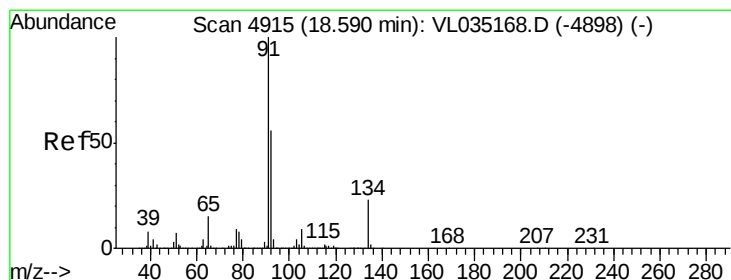
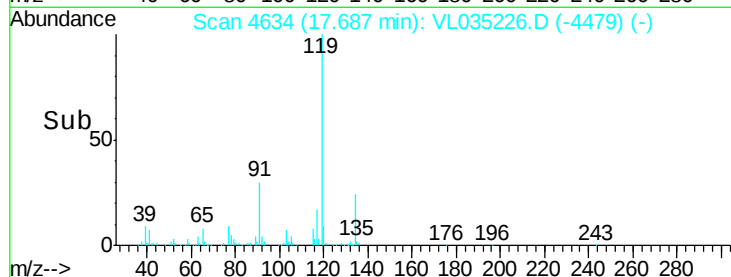
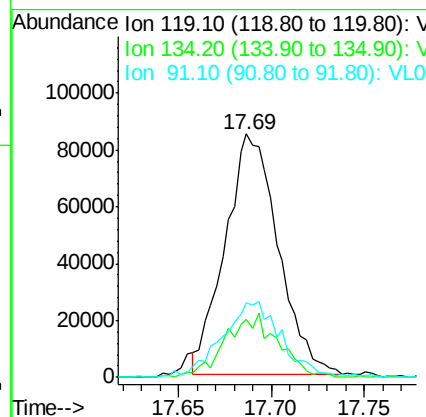
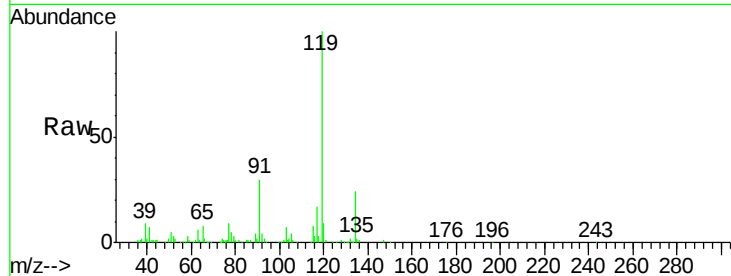
#69
p-Isopropyltoluene
Concen: 0.402 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	168636		
134	26.8	20.8	31.2	
91	35.6	24.9	37.3	

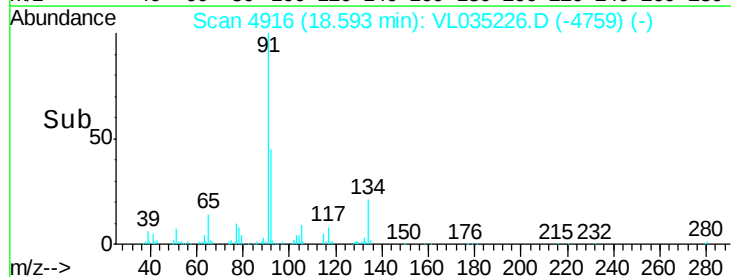
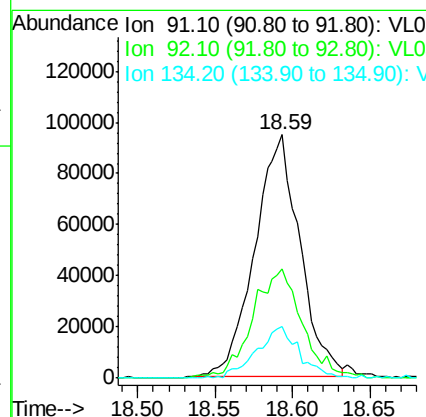
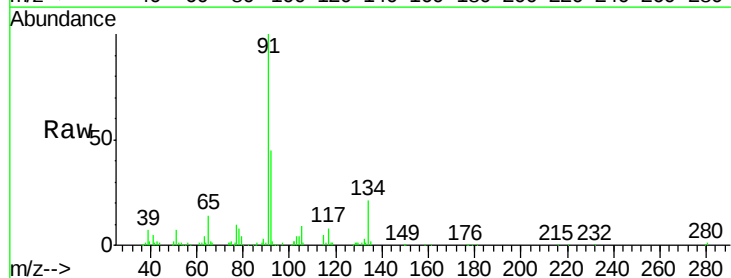
Manual Integrations
APPROVED

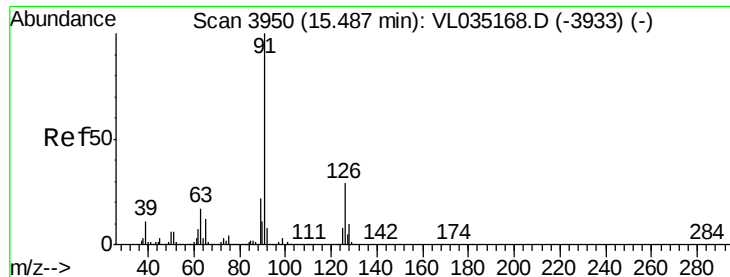
sam
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#70
n-Butylbenzene
Concen: 0.431 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	191825		
92	49.7	44.0	66.0	
134	20.4	18.0	27.0	





#71

2-Chlorotoluene

Concen: 0.373 ppbv m

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

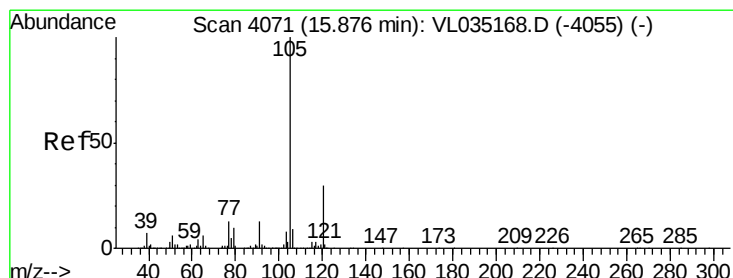
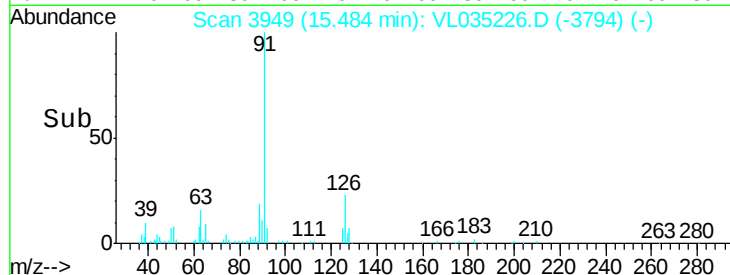
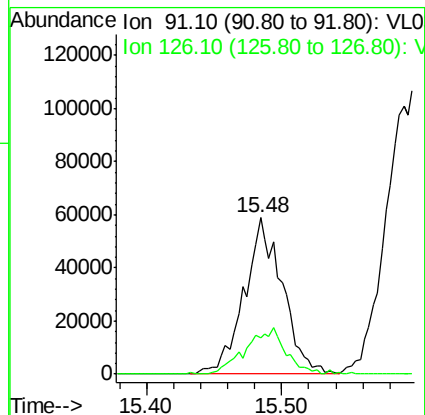
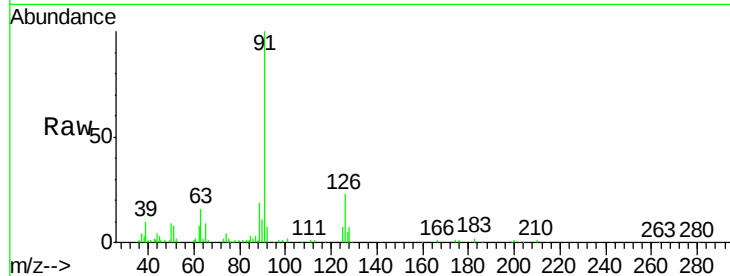
Tgt Ion: 91 Resp: 115375
Ion Ratio Lower Upper

91 100
126 0.0 12.0 48.0#

Manual Integrations
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sam

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#72

4-Ethyltoluene

Concen: 0.378 ppbv

RT: 15.87 min Scan# 4069

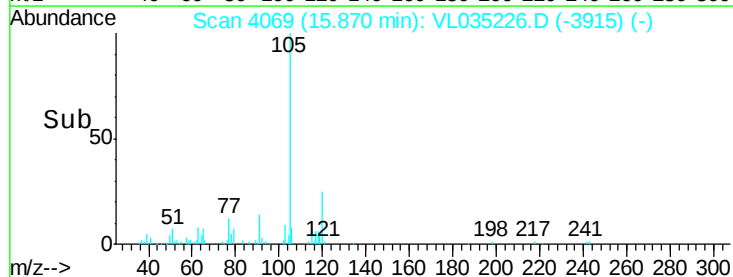
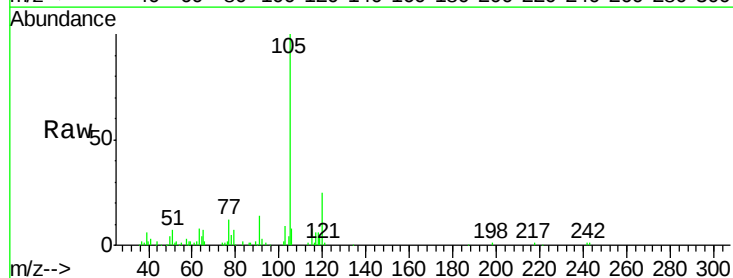
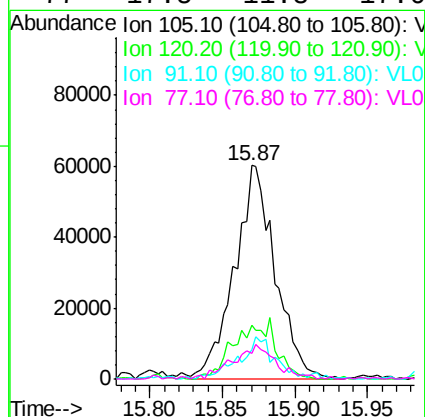
Delta R.T. -0.01 min

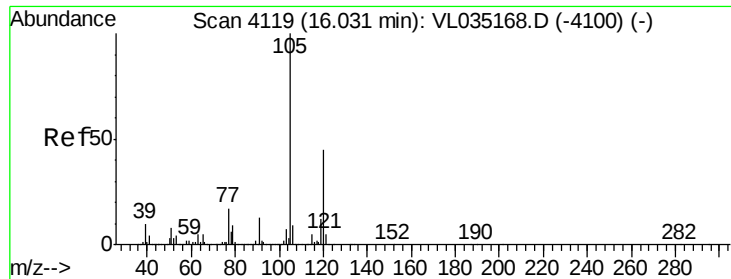
Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion: 105 Resp: 117596
Ion Ratio Lower Upper

105 100
120 28.0 23.2 34.8
91 19.6 10.9 16.3#
77 17.5 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 0.387 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT3-2020

Tgt Ion:105 Resp: 115985

Ion Ratio Lower Upper

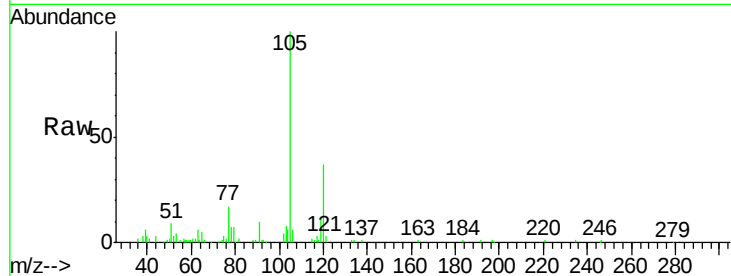
105 100

120 36.6 36.2 54.2

Manual Integrations
APPROVED

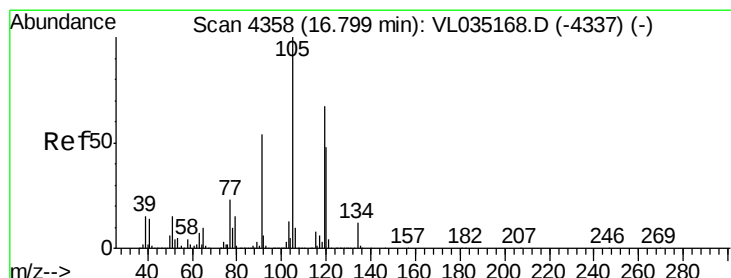
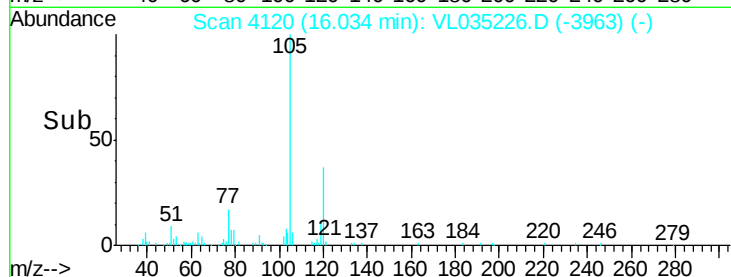
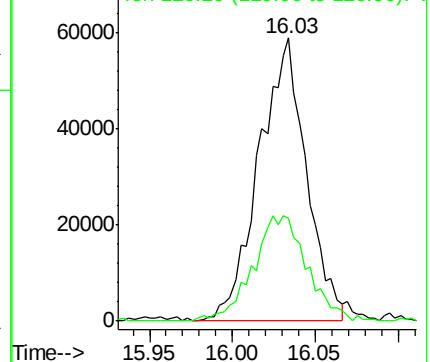
sam

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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: 0.470 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL035226.D

Acq: 23 Jul 2020 13:18

Tgt Ion:105 Resp: 155666

Ion Ratio Lower Upper

105 100

120 41.8 38.6 57.8

91 55.0 43.6 65.4

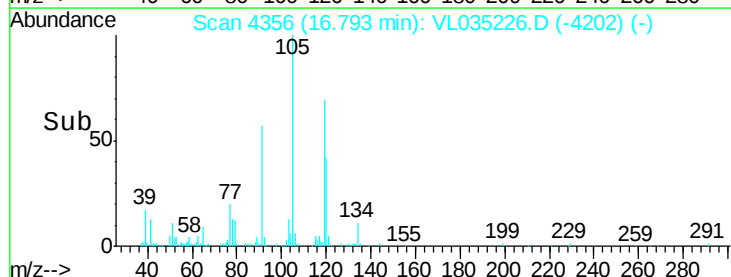
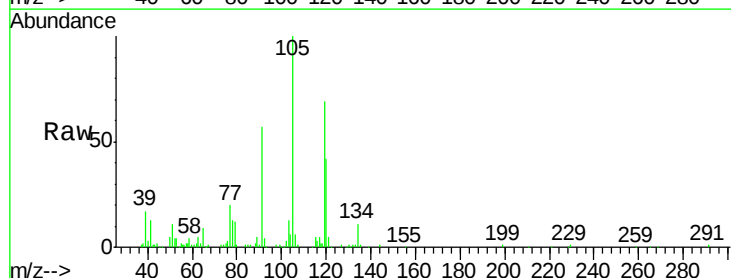
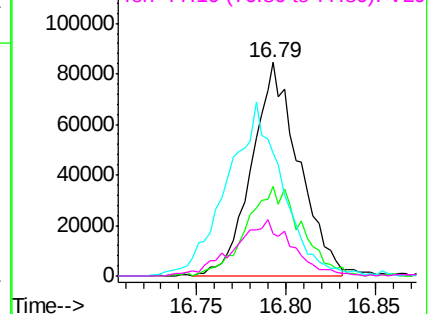
77 18.6 18.3 27.5

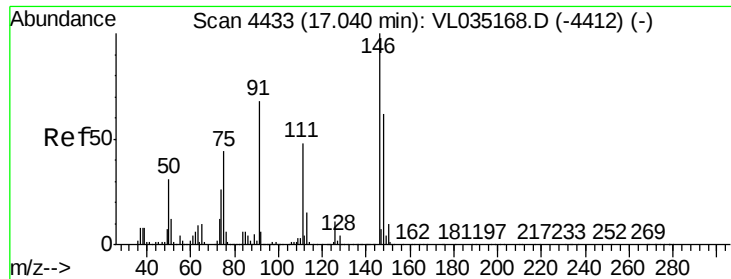
Abundance Ion 105.10 (104.80 to 105.80): V

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





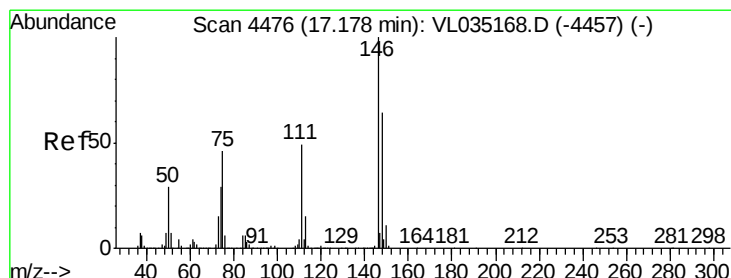
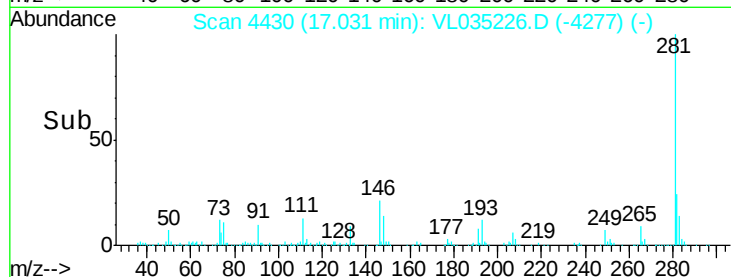
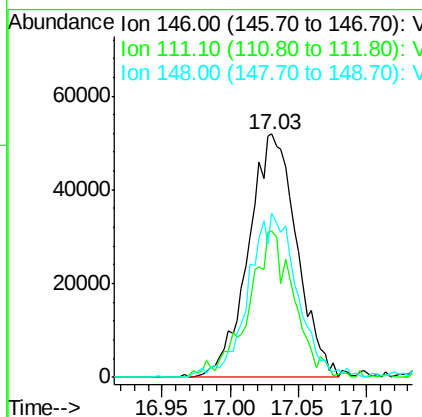
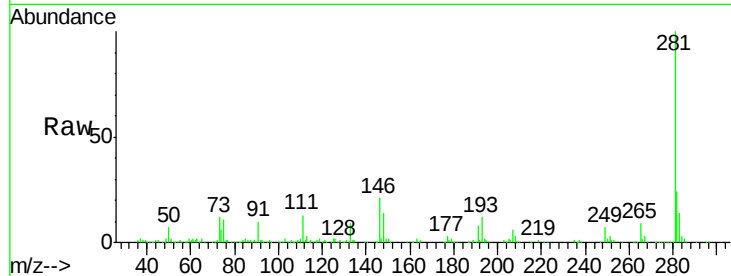
#75
 1,3-Dichlorobenzene
 Concen: 0.608 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127492		
111	57.2	24.7	74.1	
148	68.6	32.4	97.0	

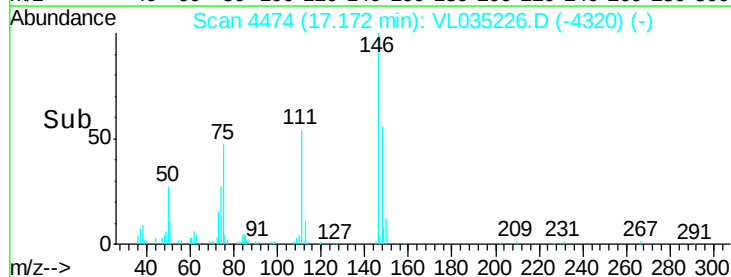
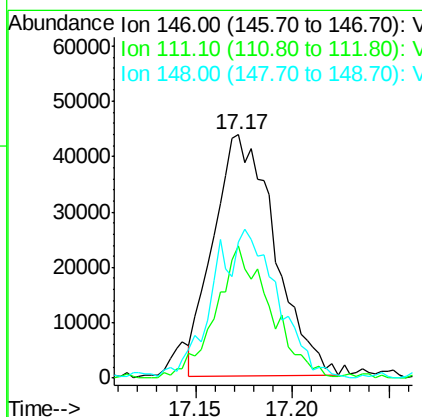
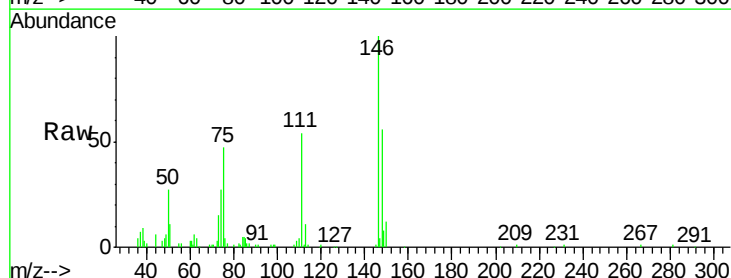
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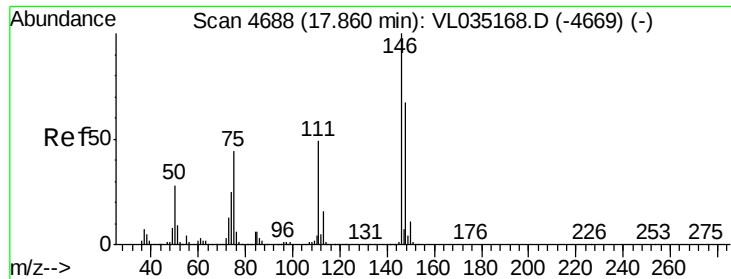
sam
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#76
 1,4-Dichlorobenzene
 Concen: 0.494 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.01 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	96249		
111	49.4	23.8	71.2	
148	66.0	32.3	96.9	





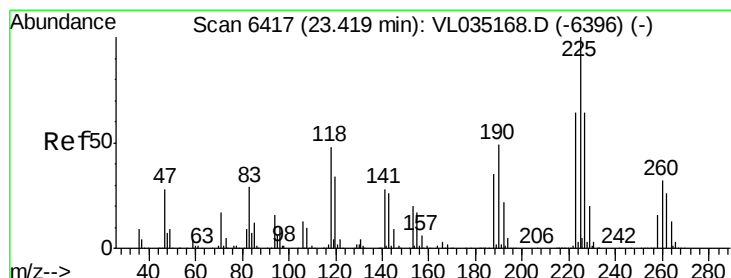
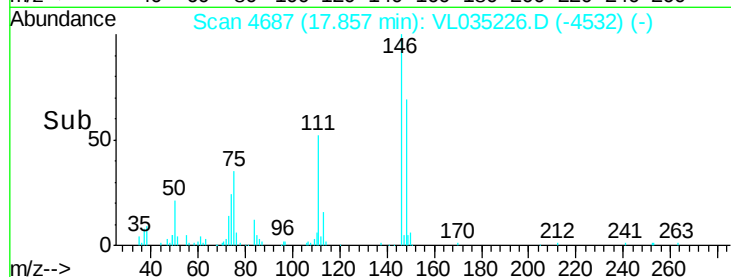
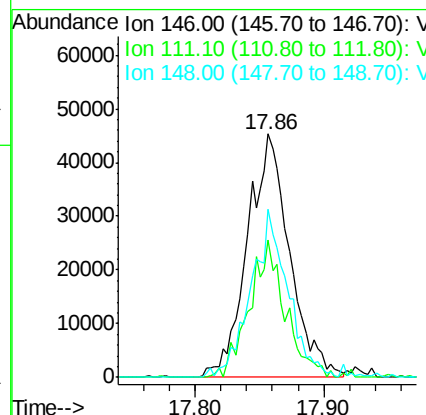
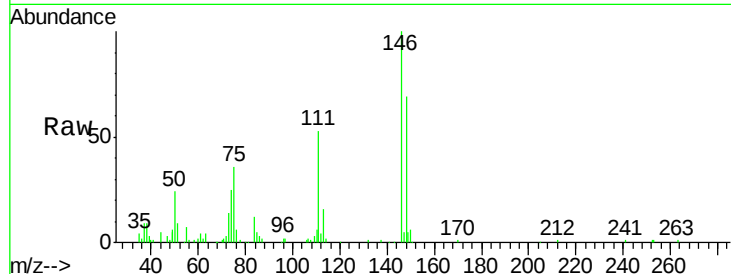
#77
 1,2-Dichlorobenzene
 Concen: 0.545 ppbv m
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	25.1	75.2
148	61.3	32.4	97.0

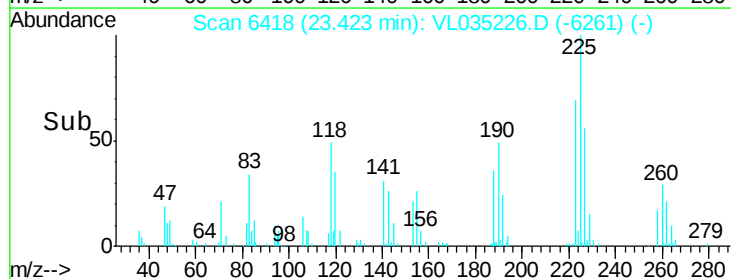
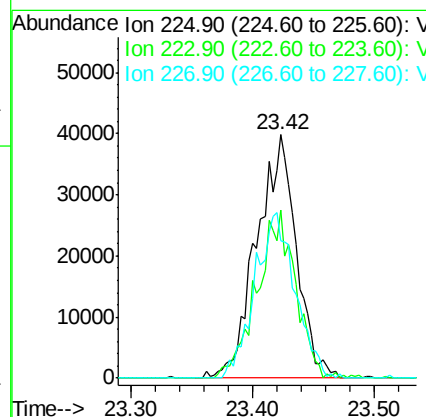
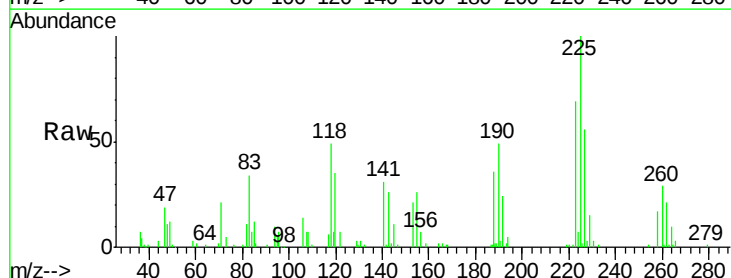
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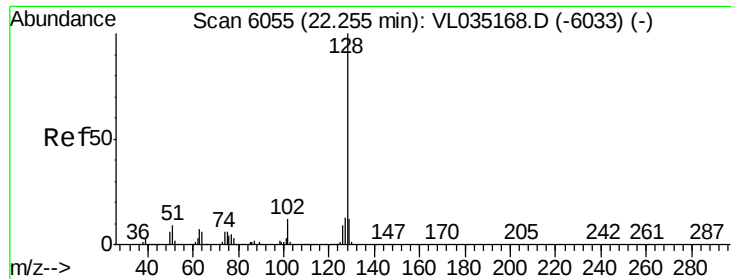
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.601 ppbv m
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.2#
227	0.0	51.2	76.8#





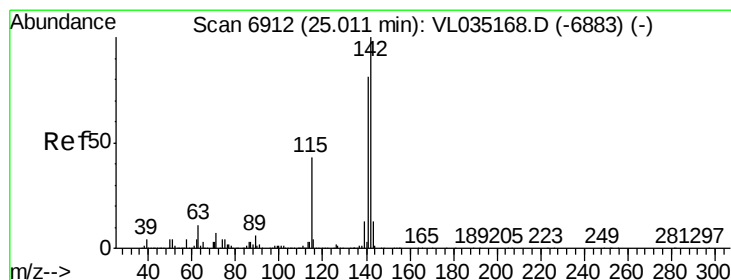
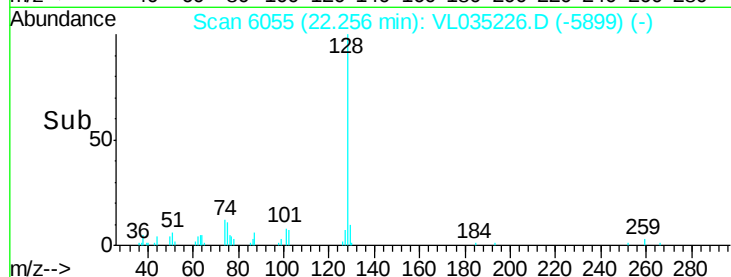
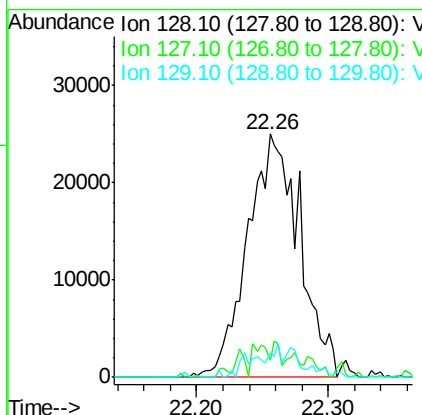
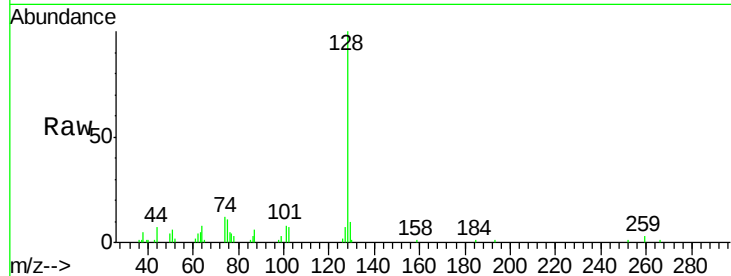
#79
Naphthalene
Concen: 0.322 ppbv m
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.8	16.2#
129	9.9	9.4	14.2

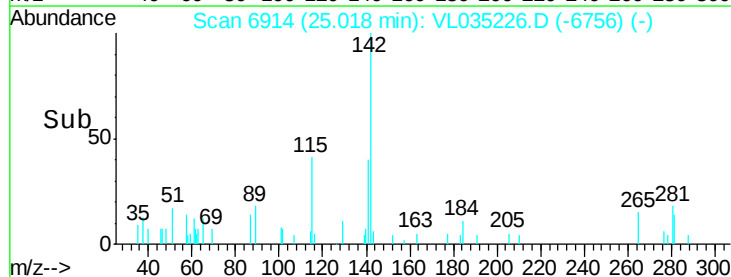
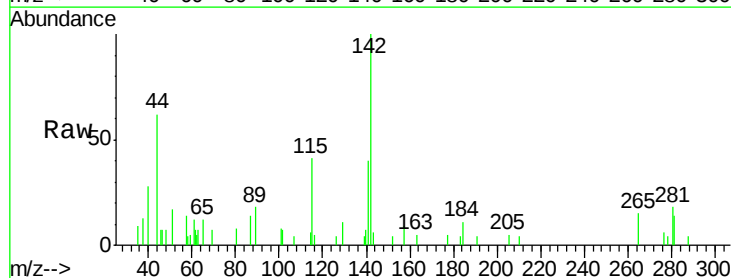
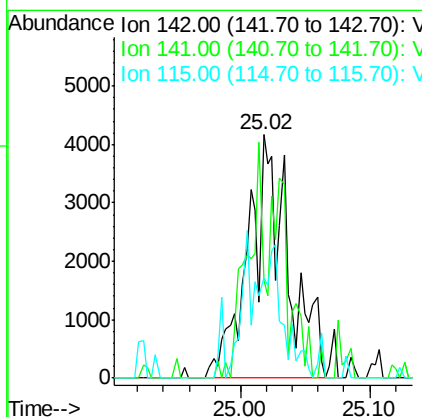
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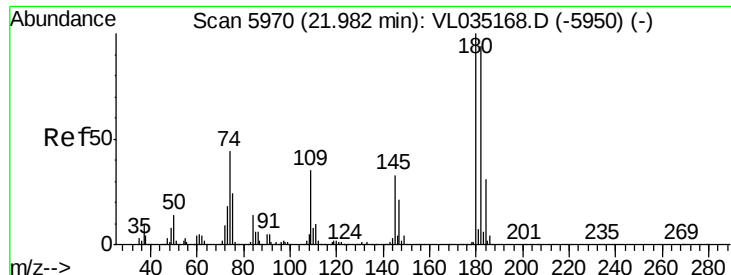
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#80
Naphthalene, 2-methyl-
Concen: 0.179 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.01 min
Lab File: VL035226.D
Acq: 23 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.4	68.2	102.4
115	52.1	34.4	51.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.428 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035226.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.7	115.1#
184	0.0	25.0	37.6#

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