

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034948.D
 Acq On : 6 May 2020 18:55
 Operator : SY/AP
 Sample : L2182-13 0.4PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:30:57 PM

Quant Time: May 07 07:08:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1136951	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2640726	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2435532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2061291	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	94488	0.586	ppbv	96
3) Chlorodifluoromethane	2.95	51	58768	0.453	ppbv	100
4) Chloromethane	3.10	50	34414	0.463	ppbv	94
5) Vinyl Chloride	3.22	62	27827	0.383	ppbv #	85
6) Bromomethane	3.44	94	18828	0.435	ppbv	89
7) Chloroethane	3.53	64	12095m	0.464	ppbv	
8) Dichlorotetrafluoroethane	3.15	85	82092	0.492	ppbv	95
9) Propene	2.97	41	20760	0.369	ppbv	94
10) Heptane	8.14	43	46428	0.329	ppbv	98
11) Trichlorofluoromethane	3.92	101	74695	0.449	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	51940	0.438	ppbv	92
13) Ethanol	3.58	45	9849m	0.530	ppbv	
14) Bromoethene	3.71	108	21587	0.441	ppbv #	91
15) Acetone	3.83	43	73470	0.489	ppbv	92
16) 1,3-Butadiene	3.29	39	23707	0.367	ppbv	95
17) tert-Butyl alcohol	4.28	59	54308	0.406	ppbv	95
18) 1,1-Dichloroethene	4.27	96	21718	0.423	ppbv	98
19) Isopropyl Alcohol	3.96	45	45303	0.452	ppbv #	88
20) Methylene Chloride	4.33	84	23208	0.466	ppbv #	84
21) Allyl Chloride	4.39	41	33798	0.398	ppbv	93
22) trans-1,2-Dichloroethene	4.87	96	20079	0.394	ppbv	95
23) Vinyl Acetate	5.06	43	64043	0.336	ppbv #	92
24) 1,1-Dichloroethane	5.00	63	66986	0.456	ppbv	99
25) Ethyl Acetate	5.68	43	101522	0.402	ppbv	97
26) Hexane	5.68	57	41489m	0.379	ppbv	
27) Carbon Disulfide	4.54	76	45504	0.353	ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	56360	0.338	ppbv	93
29) Chloroform	5.75	83	83412	0.466	ppbv	96
30) Cyclohexane	7.14	84	26664m	0.316	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	37320	0.349	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	72470	0.448	ppbv	97
34) 2-Butanone	5.25	43	58012	0.353	ppbv	98
35) Carbon Tetrachloride	7.02	117	69122	0.415	ppbv	98
36) Benzene	6.90	78	73297	0.337	ppbv	97
37) 1,2-Dichloroethane	6.31	62	53521	0.399	ppbv	98
38) Trichloroethene	7.85	130	30011	0.356	ppbv #	68
39) 1,2-Dichloropropane	7.62	63	33666m	0.386	ppbv	
40) 1,4-Dioxane	7.88	88	14946m	0.421	ppbv	
41) Tetrahydrofuran	6.06	42	24019m	0.278	ppbv	
42) Bromodichloromethane	7.80	83	70433	0.389	ppbv #	91
43) Methyl Methacrylate	8.03	69	28638m	0.312	ppbv	

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	129951m	0.336	ppbv	
45) t-1,3-Dichloropropene	9.30	75	20703m	0.223	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	30513m	0.268	ppbv	
47) 1,1,2-Trichloroethane	9.51	97	38322m	0.416	ppbv	
48) Dibromochloromethane	10.33	129	49638	0.350	ppbv	99
49) Bromoform	13.08	173	42680	0.350	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	70422	0.301	ppbv	100
51) 2-Hexanone	10.18	43	50575	0.276	ppbv #	91
52) Tetrachloroethene	11.25	164	28806m	0.372	ppbv	
53) Toluene	9.83	91	65806	0.285	ppbv	95
54) 1,2-Dibromoethane	10.64	107	50478	0.373	ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.16	131	47134m	0.429	ppbv	
57) Chlorobenzene	12.18	112	82675	0.428	ppbv #	85
58) Ethyl Benzene	12.75	91	87069	0.289	ppbv	89
59) m/p-Xylene	13.03	91	176992m	0.668	ppbv	
60) o-Xylene	13.73	91	87455	0.334	ppbv	98
61) Styrene	13.56	104	39910m	0.241	ppbv	
62) Isopropylbenzene	14.71	105	136876	0.351	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	90132m	0.438	ppbv	
64) n-propylbenzene	15.61	120	33676m	0.336	ppbv	
65) tert-Butylbenzene	16.79	119	113462	0.335	ppbv	93
66) Benzyl Chloride	17.05	91	34592m	0.301	ppbv	
67) sec-Butylbenzene	17.35	105	169164	0.350	ppbv	98
69) p-Isopropyltoluene	17.70	119	123550m	0.316	ppbv	
70) n-Butylbenzene	18.61	91	135406	0.325	ppbv	98
71) 2-Chlorotoluene	15.50	91	96717m	0.328	ppbv	
72) 4-Ethyltoluene	15.88	105	86229	0.296	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.04	105	89526	0.315	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	112819	0.364	ppbv #	92
75) 1,3-Dichlorobenzene	17.05	146	83721m	0.460	ppbv	
76) 1,4-Dichlorobenzene	17.19	146	68487m	0.396	ppbv	
77) 1,2-Dichlorobenzene	17.87	146	69896	0.408	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	60093m	0.411	ppbv	
79) Naphthalene	22.28	128	58602m	0.243	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	7277	0.123	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.00	180	49411m	0.338	ppbv	

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

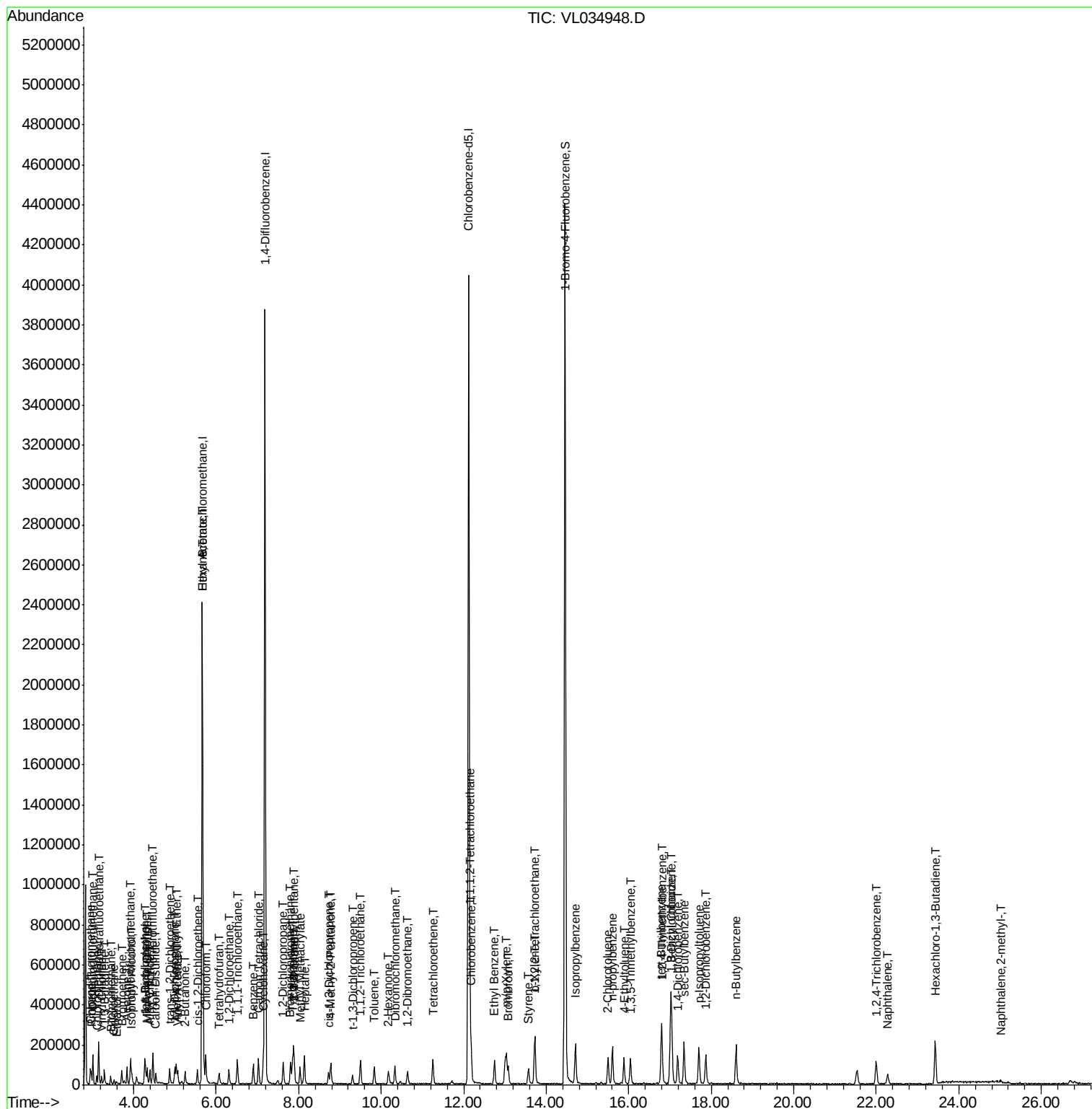
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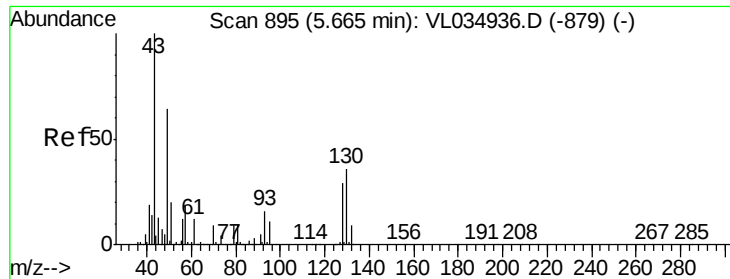
Instrument :
MSVOA_L
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#1

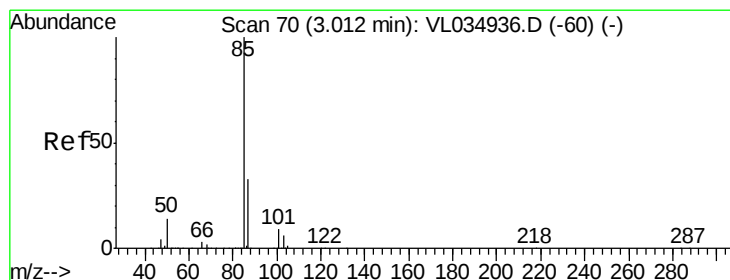
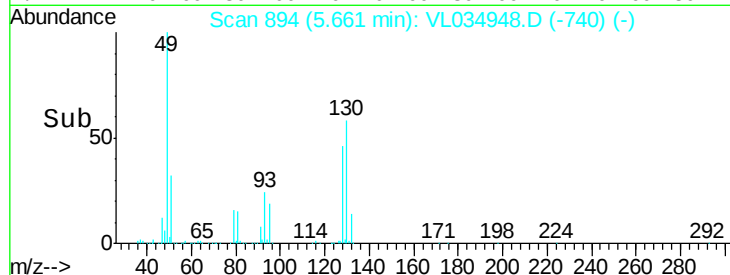
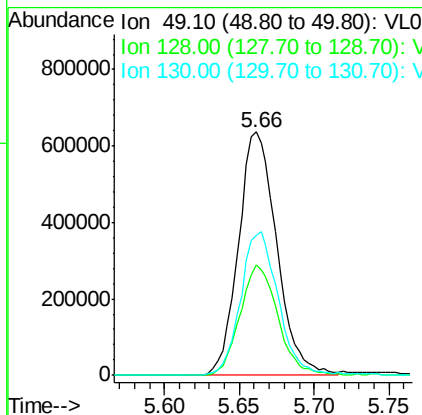
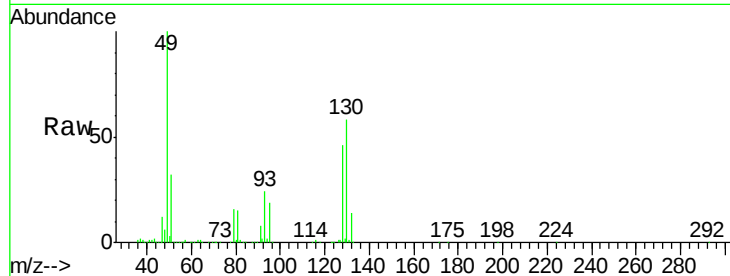
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.1	66.5
130	58.3	29.1	87.3

Manual Integrations
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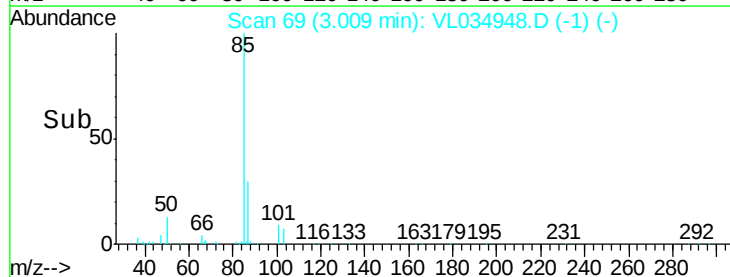
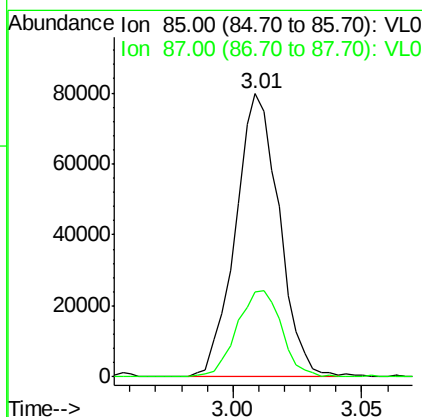
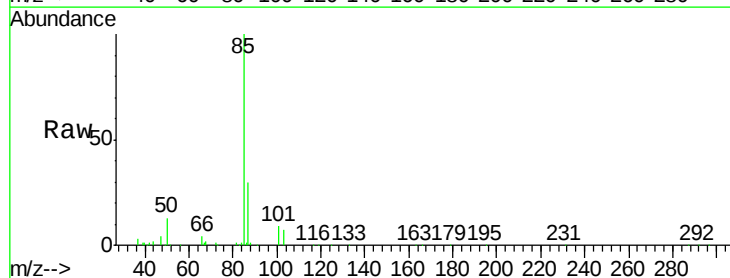
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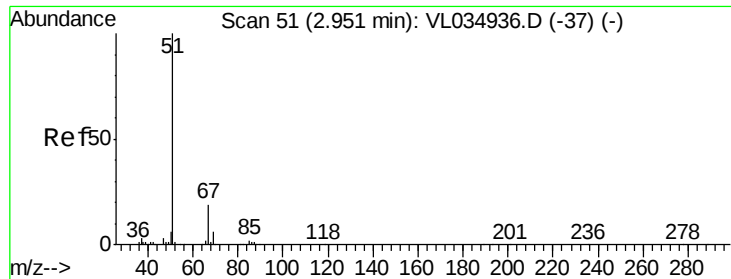


#2

Dichlorodifluoromethane
 Concen: 0.586 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.2	39.2





#3

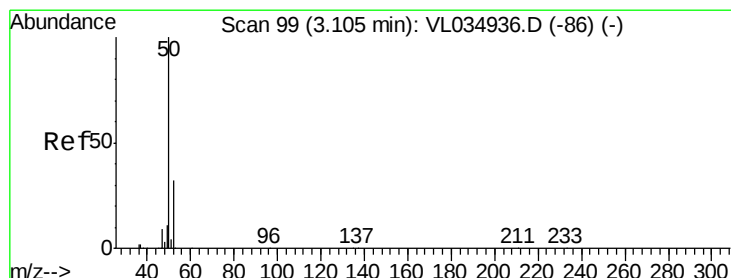
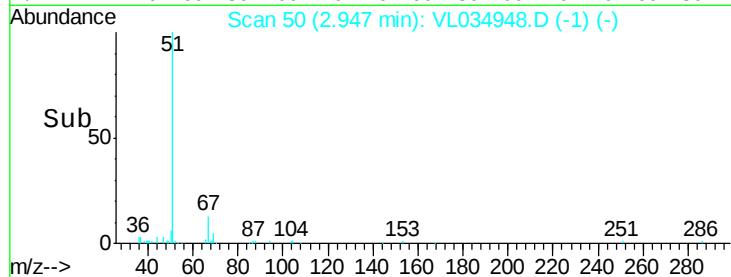
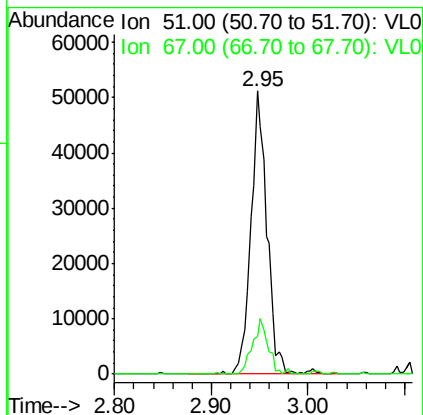
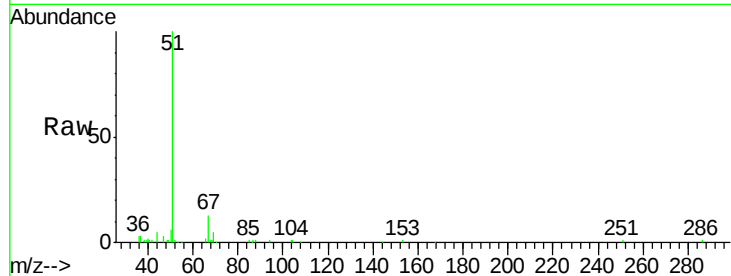
Chlorodifluoromethane
 Concen: 0.453 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.0	22.6

Manual Integrations
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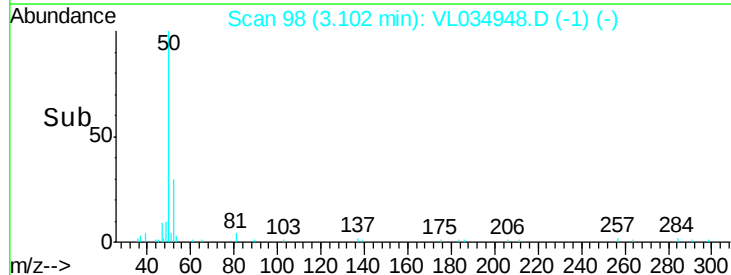
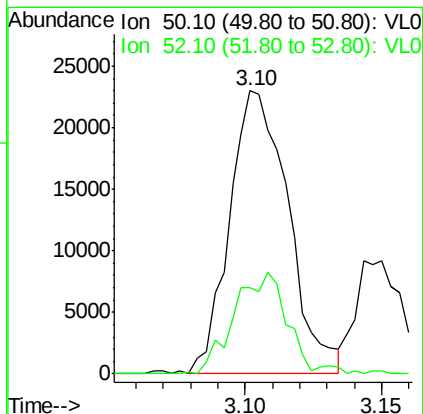
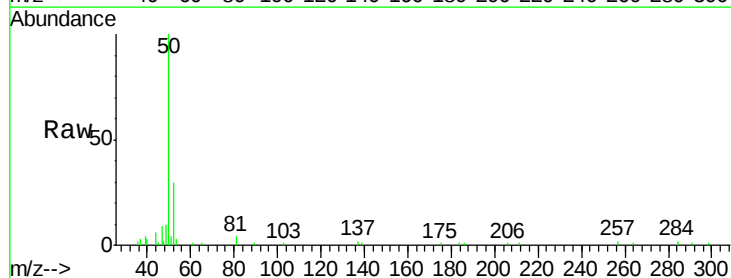
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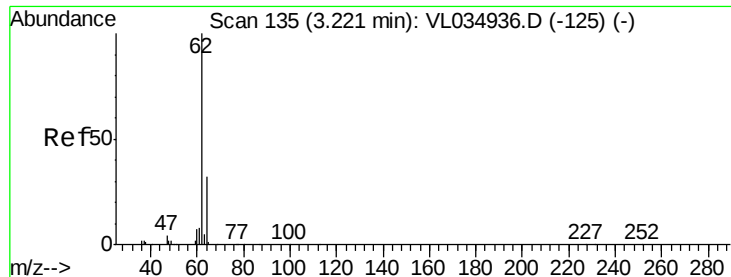


#4

Chloromethane
 Concen: 0.463 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.5	25.4	38.2





#5

Vinyl Chloride

Concen: 0.383 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 62 Resp: 27827

Ion Ratio Lower Upper

62 100

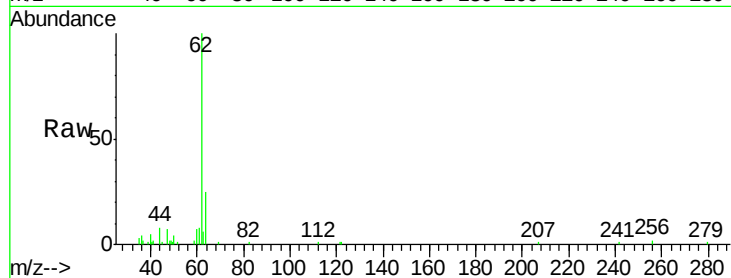
64 24.0 25.7 38.5#

Manual Integrations

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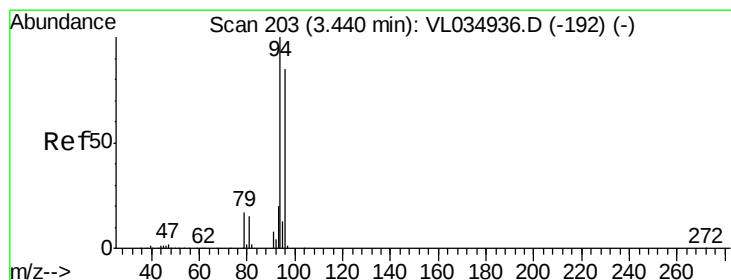
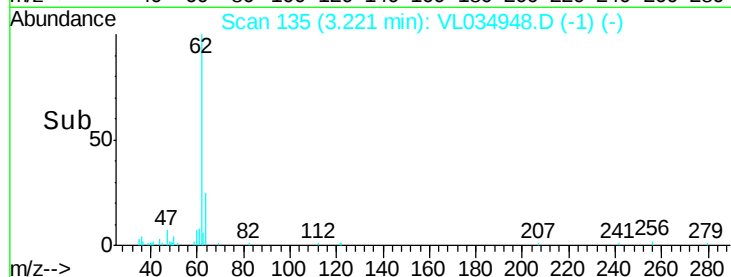
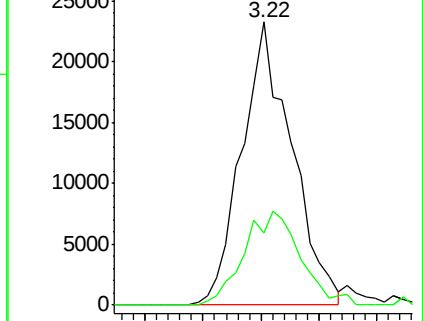
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.435 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034948.D

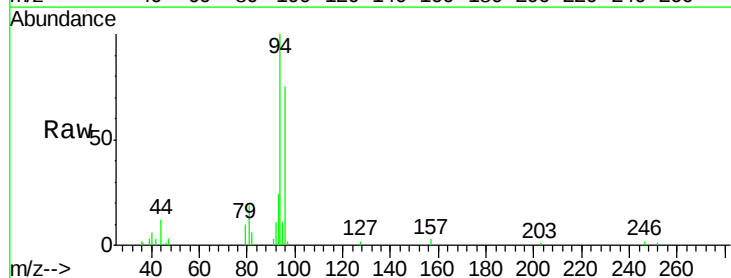
Acq: 6 May 2020 18:55

Tgt Ion: 94 Resp: 18828

Ion Ratio Lower Upper

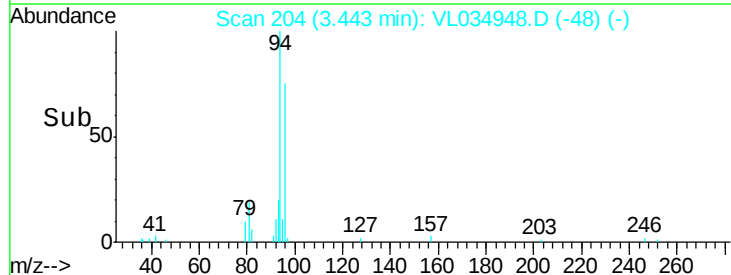
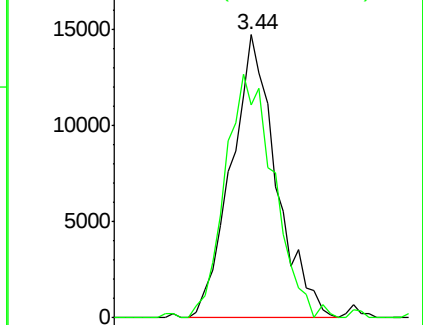
94 100

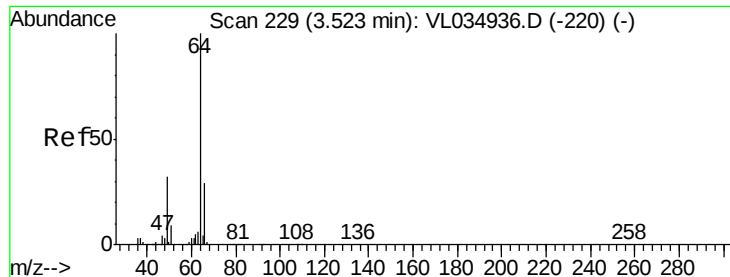
96 75.3 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.464 ppbv m

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

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ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 64 Resp: 12095

Ion Ratio Lower Upper

64 100

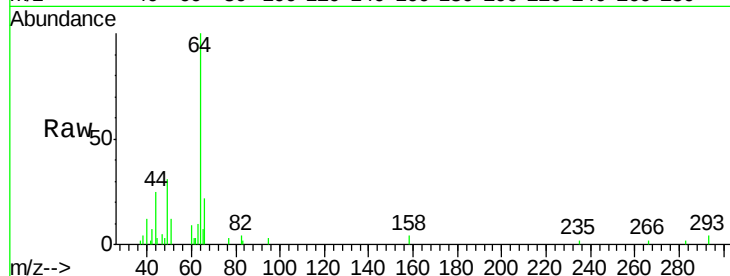
66 22.2 23.2 34.8#

Manual Integrations

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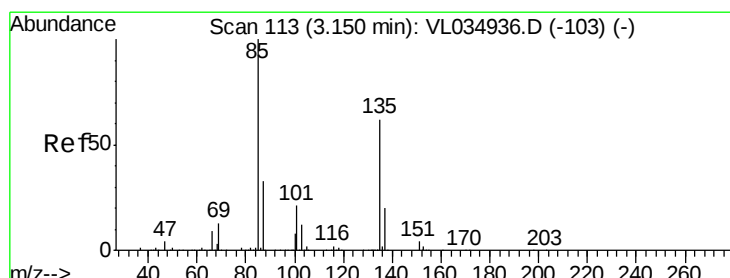
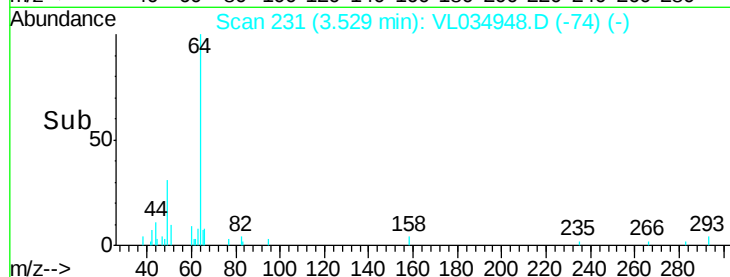
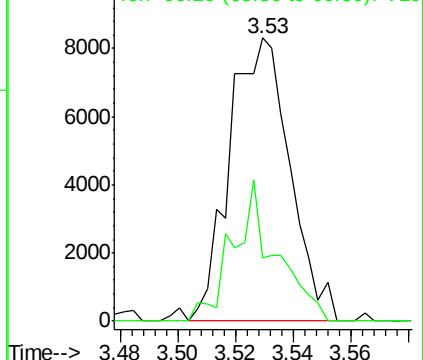
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.492 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034948.D

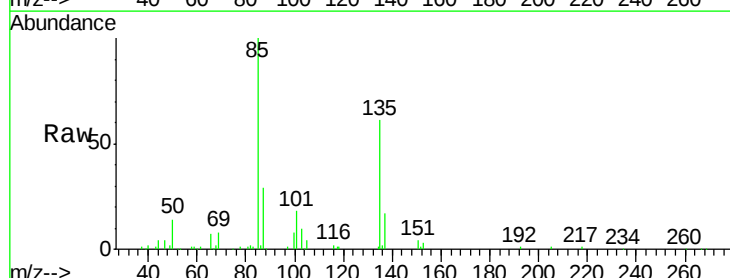
Acq: 6 May 2020 18:55

Tgt Ion: 85 Resp: 82092

Ion Ratio Lower Upper

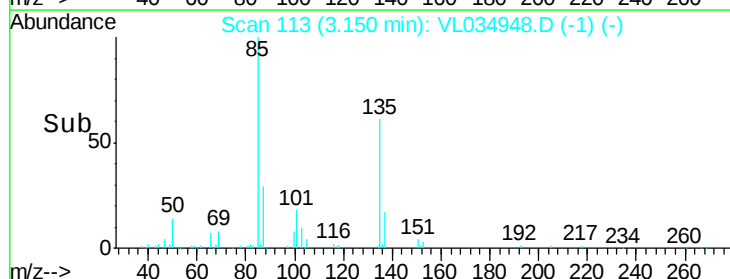
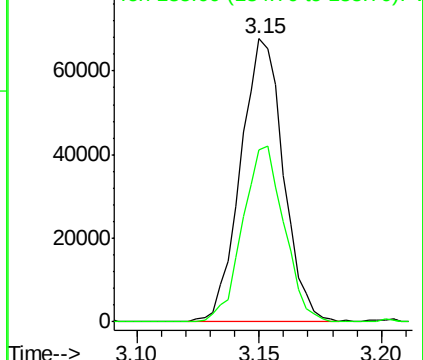
85 100

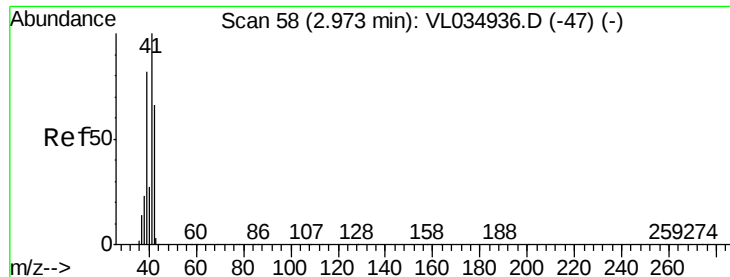
135 60.1 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.369 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 41 Resp: 20760

Ion Ratio Lower Upper

41 100

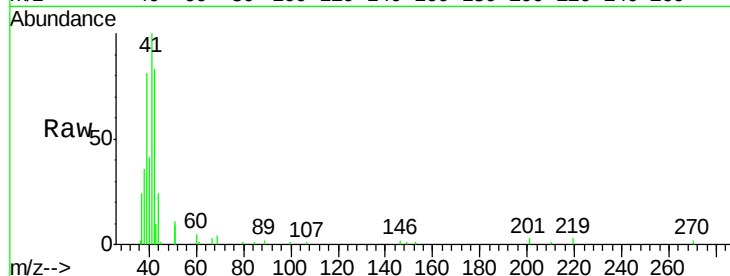
42 72.6 54.5 81.7

Manual Integrations

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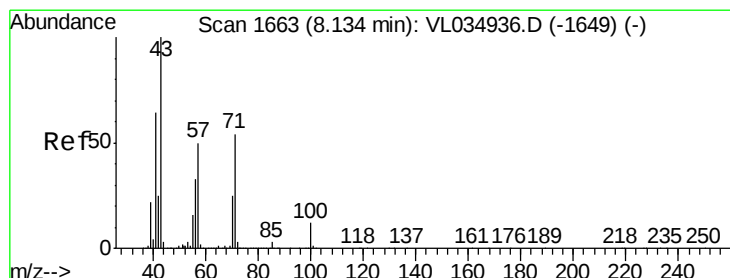
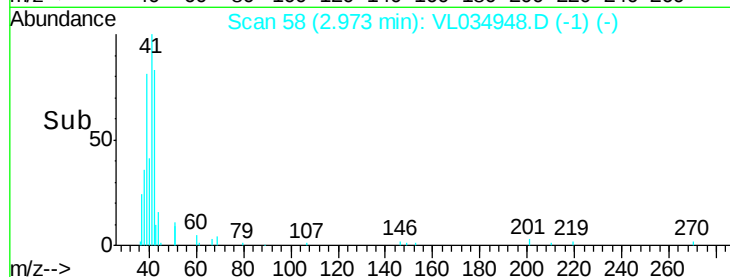
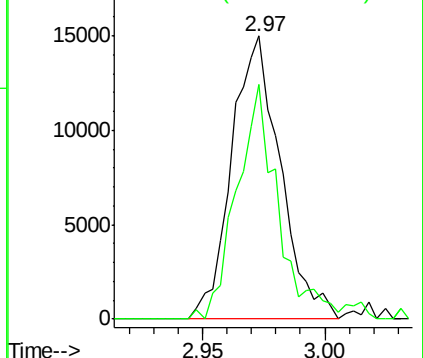
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.329 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034948.D

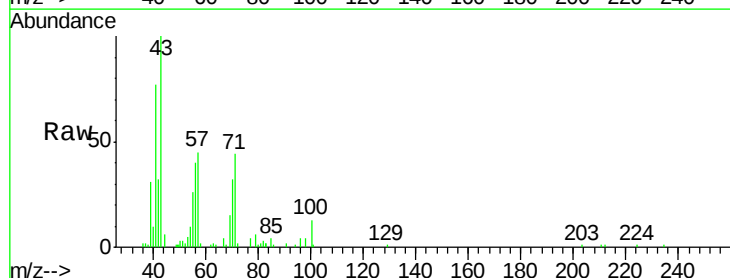
Acq: 6 May 2020 18:55

Tgt Ion: 43 Resp: 46428

Ion Ratio Lower Upper

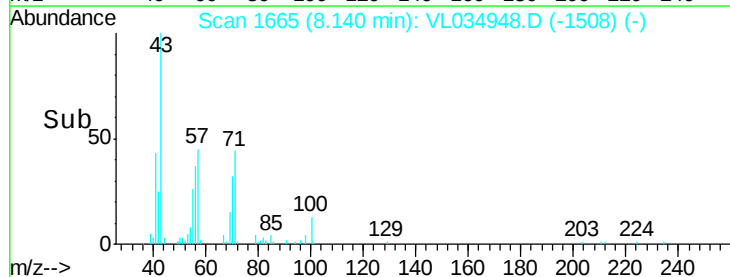
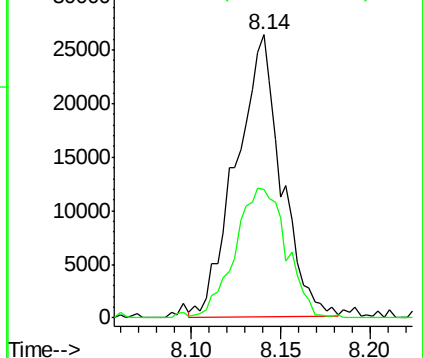
43 100

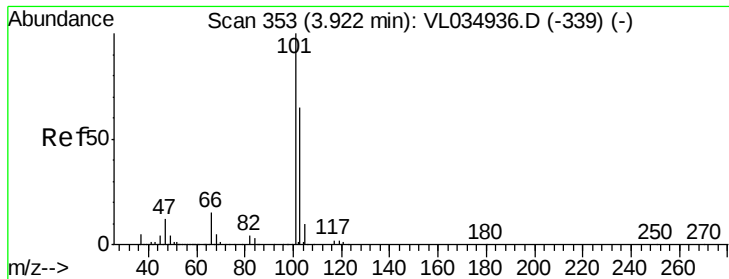
57 52.9 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.449 ppbv

RT: 3.92 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:101 Resp: 74695

Ion Ratio Lower Upper

101 100

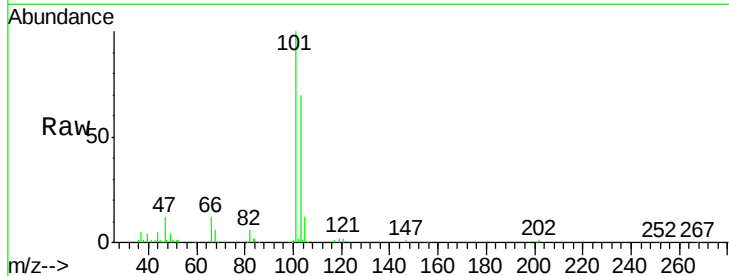
103 69.5 51.9 77.9

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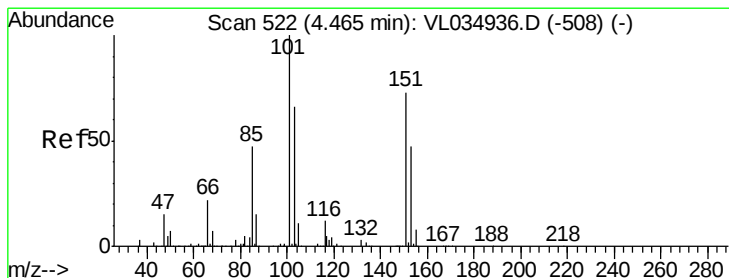
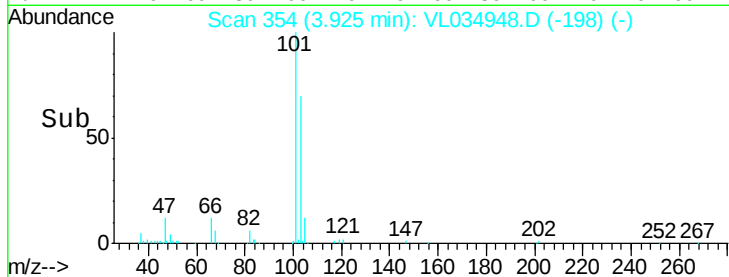
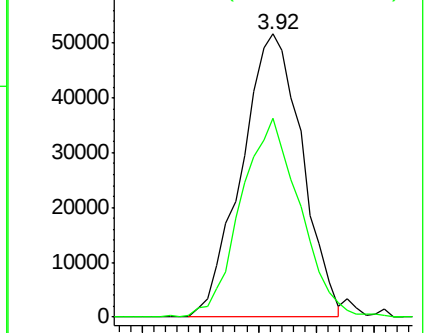
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.438 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL034948.D

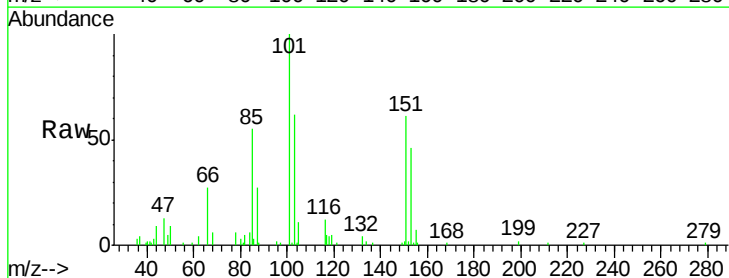
Acq: 6 May 2020 18:55

Tgt Ion:101 Resp: 51940

Ion Ratio Lower Upper

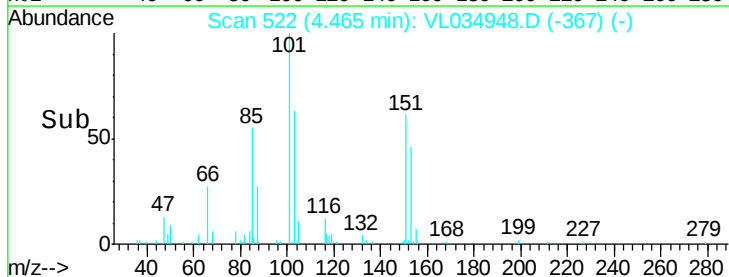
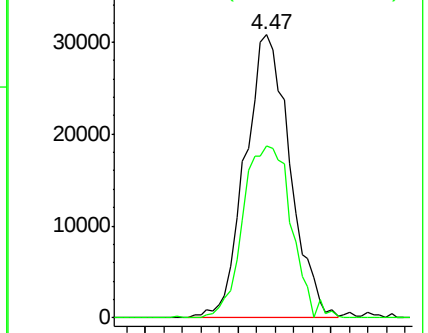
101 100

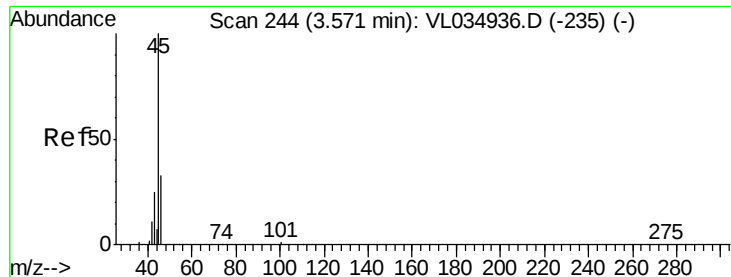
151 65.5 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





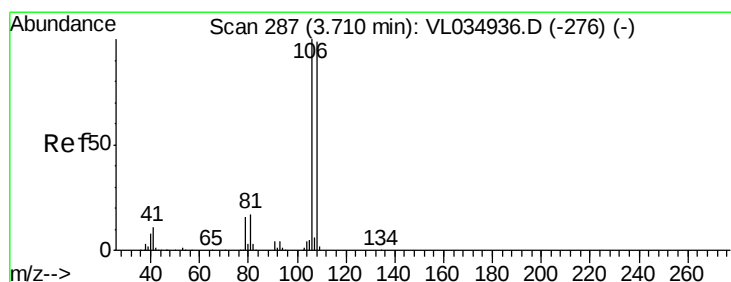
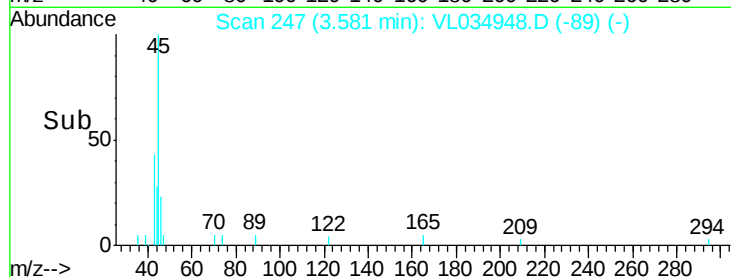
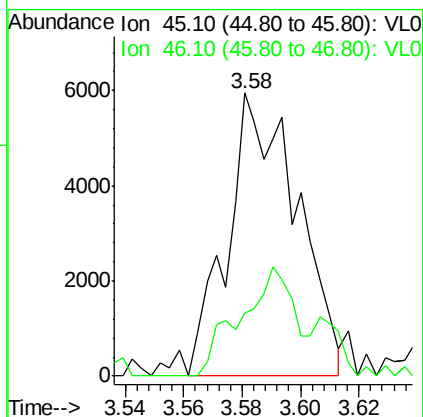
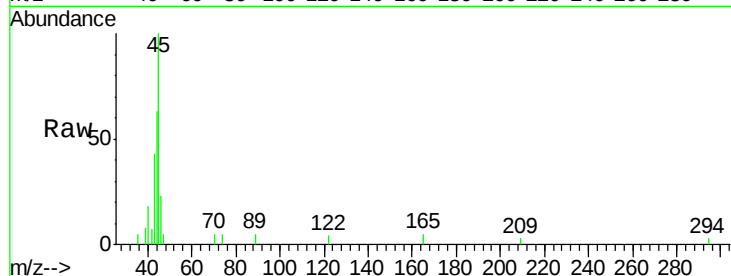
#13
Ethanol
Concen: 0.530 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

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

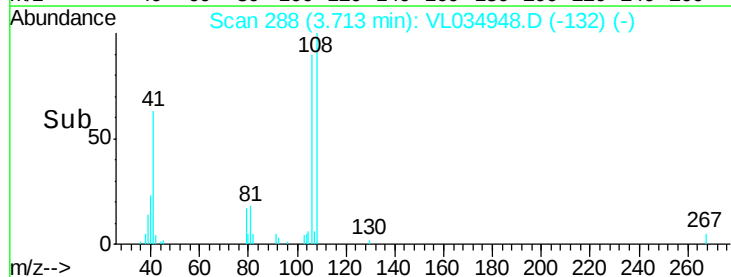
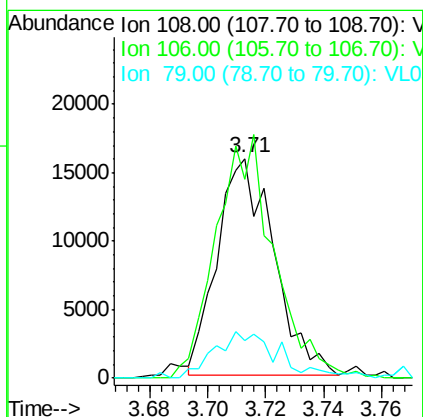
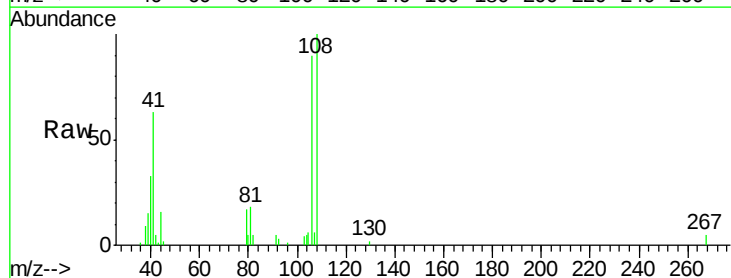
Manual Integrations
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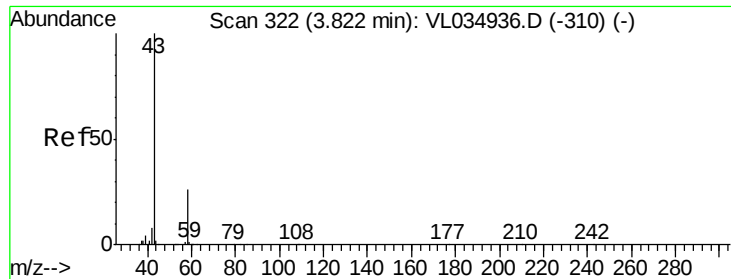
MMDadoda
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#14
Bromoethene
Concen: 0.441 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
108	100		
106	114.5	84.9	127.3
79	25.0	14.1	21.1#





#15

Acetone

Concen: 0.489 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 43 Resp: 73470

Ion Ratio Lower Upper

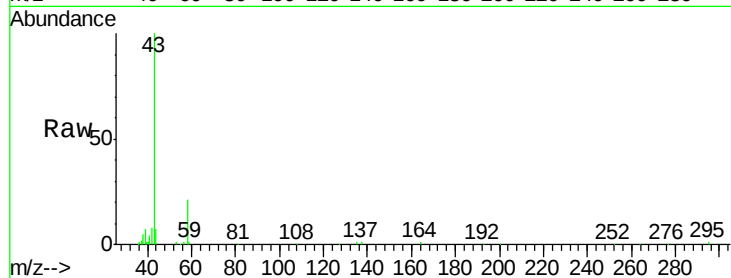
43 100

58 31.4 21.7 32.5

Manual Integrations
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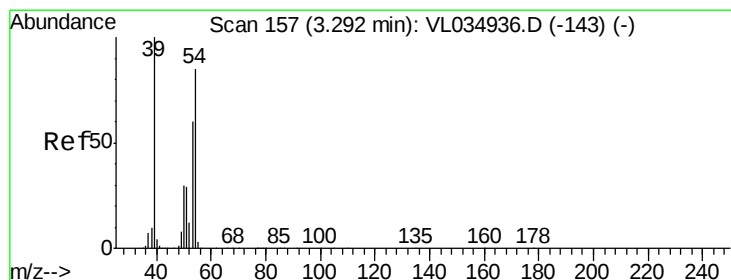
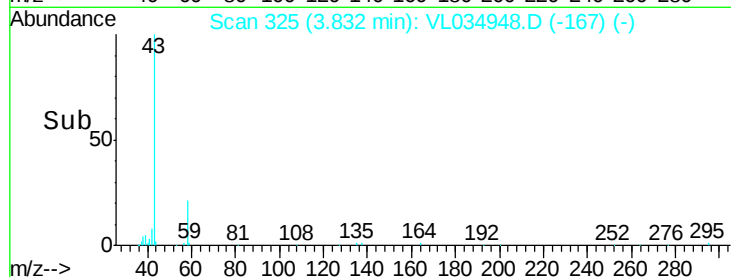
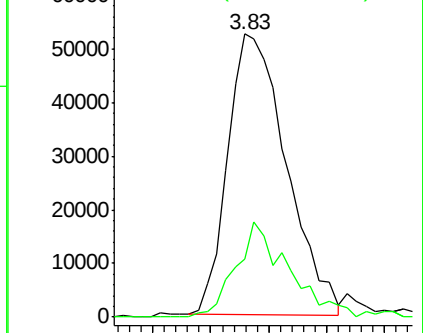
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.367 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034948.D

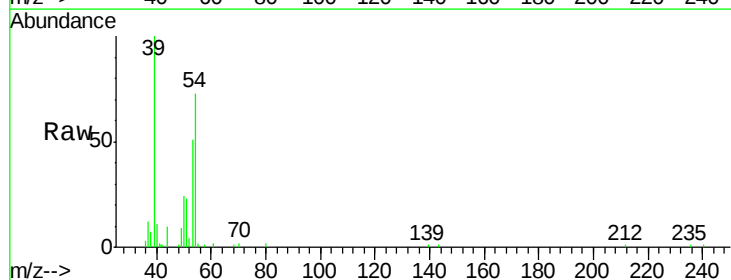
Acq: 6 May 2020 18:55

Tgt Ion: 39 Resp: 23707

Ion Ratio Lower Upper

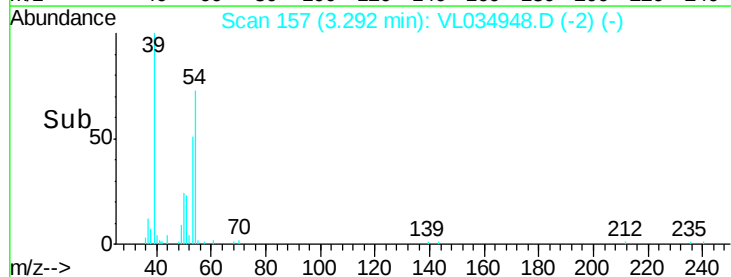
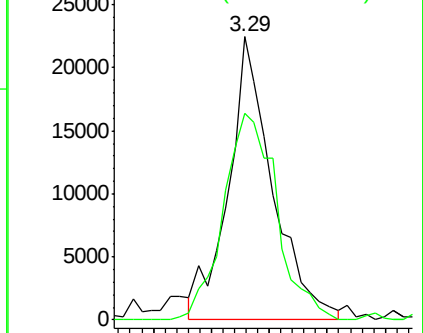
39 100

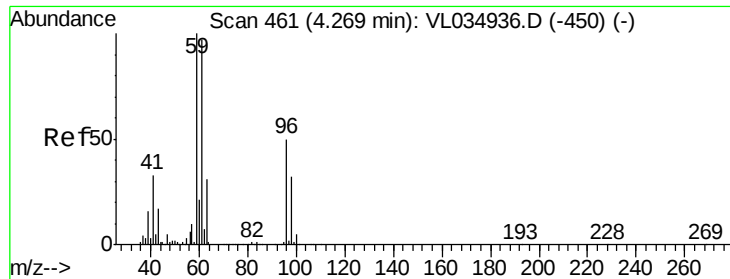
54 88.0 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

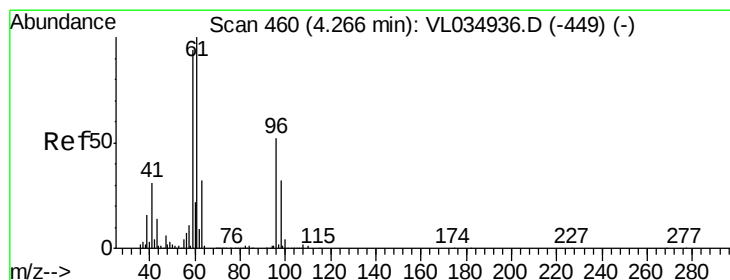
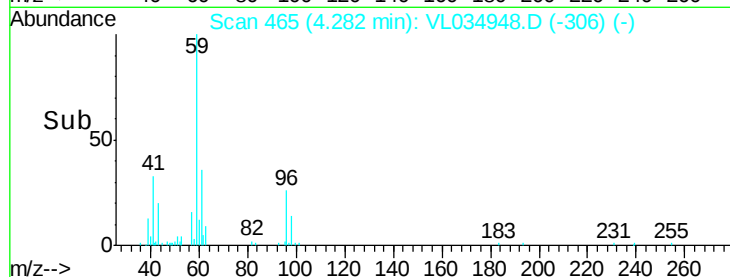
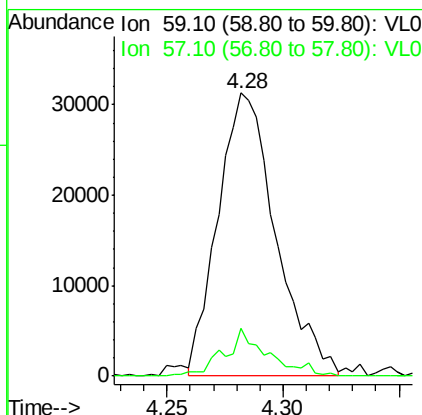
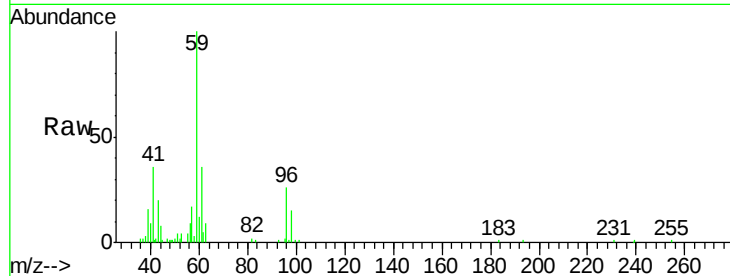
tert-Butyl alcohol
 Concen: 0.406 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	12.7	8.7	13.1

Manual Integrations
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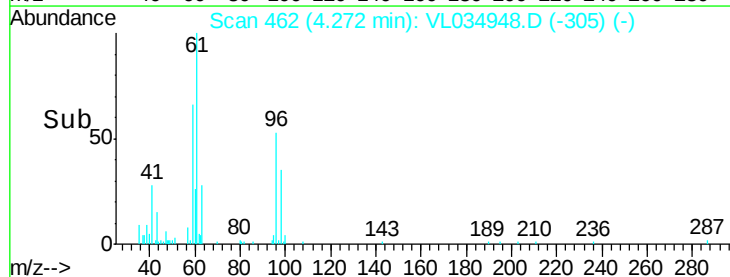
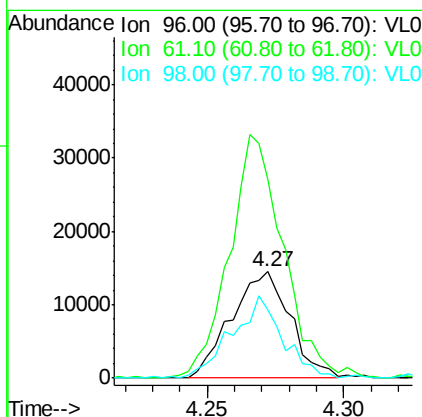
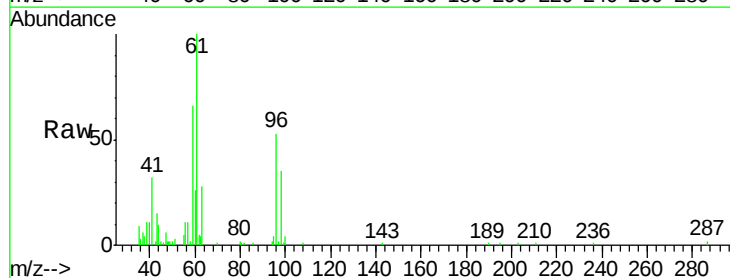
MMDadoda
 5/7/2020 2:30:57 PM

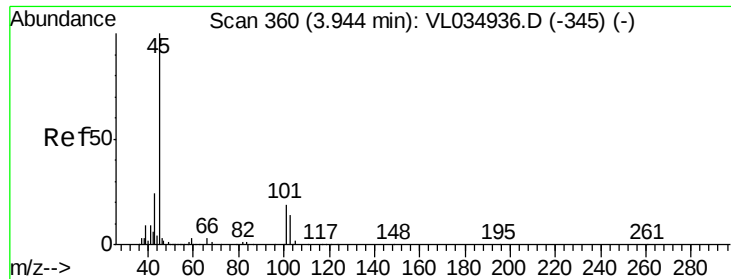


#18

1,1-Dichloroethene
 Concen: 0.423 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	189.8	152.4	228.6
98	98	64.8	48.8	73.2





#19

Isopropyl Alcohol

Concen: 0.452 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 45 Resp: 45303

Ion Ratio Lower Upper

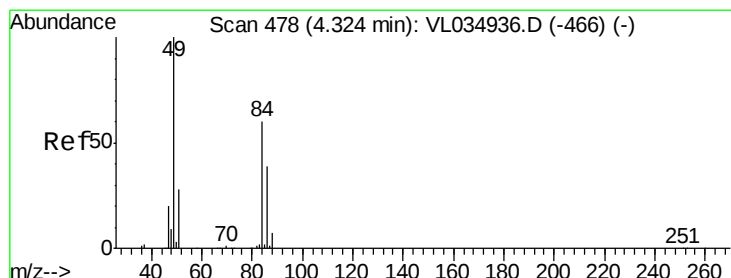
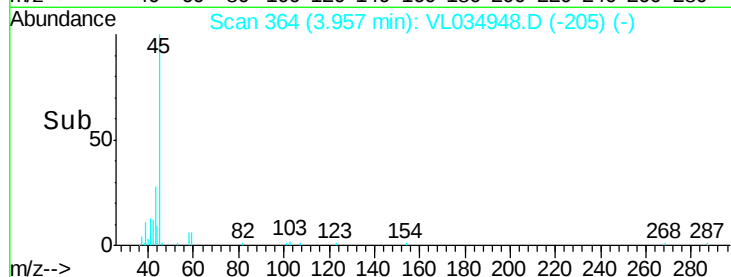
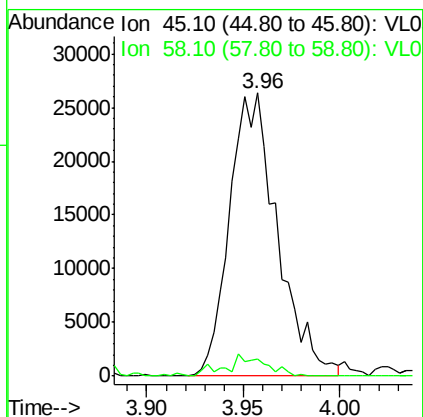
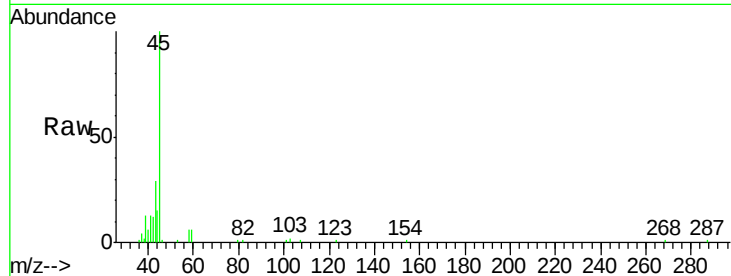
45 100

58 6.4 1.7 2.5#

Manual Integrations
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5/7/2020 2:30:57 PM



#20

Methylene Chloride

Concen: 0.466 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion: 84 Resp: 23208

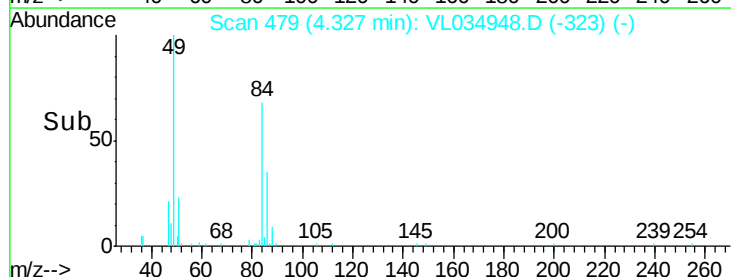
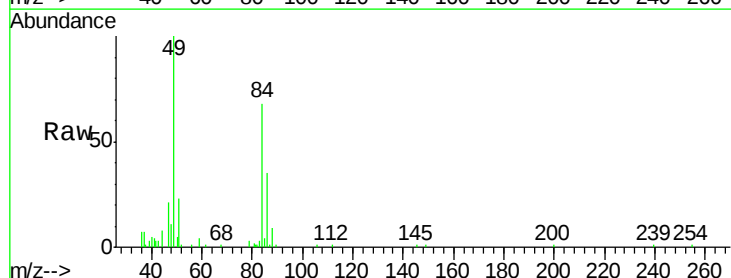
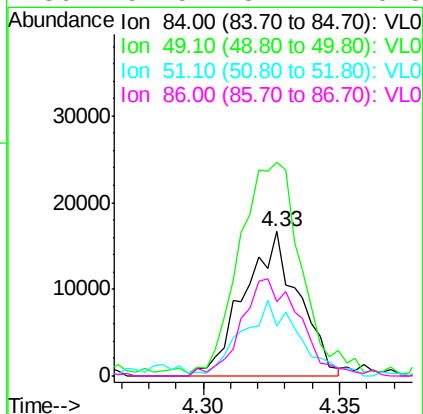
Ion Ratio Lower Upper

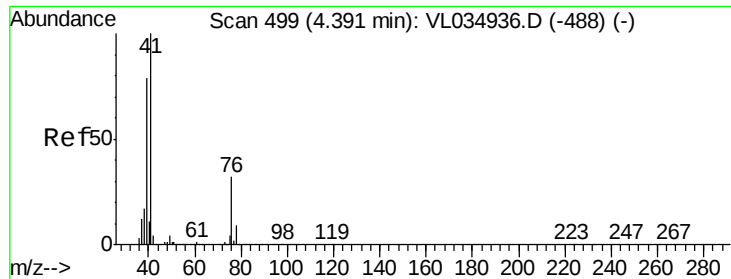
84 100

49 146.5 132.5 198.7

51 33.0 38.4 57.6#

86 51.5 51.2 76.8





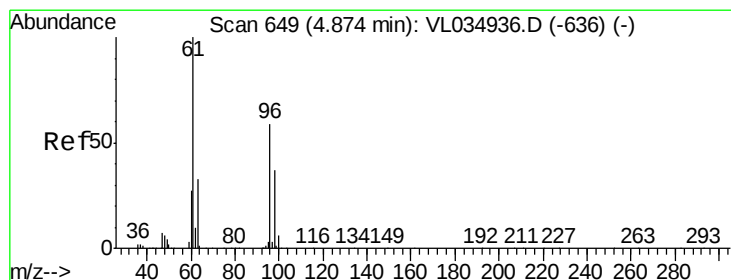
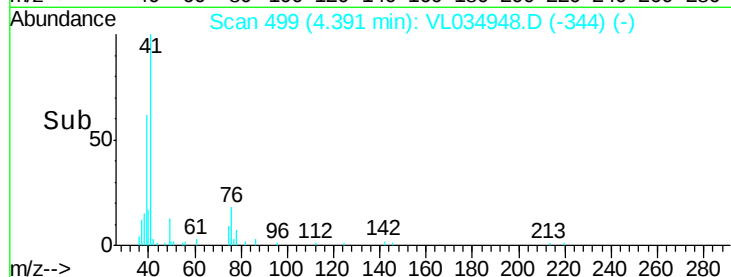
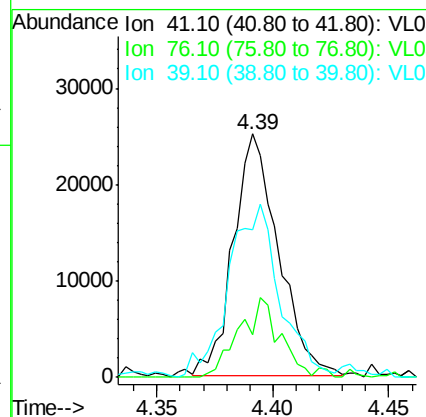
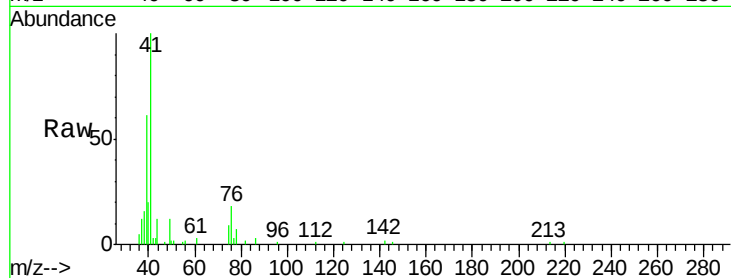
#21
Allvl Chloride
Concen: 0.398 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.0	23.6	35.4
39	84.5	61.9	92.9

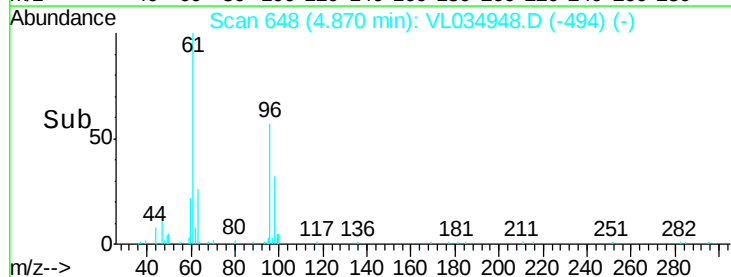
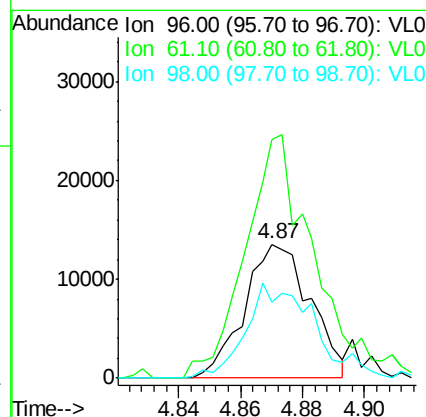
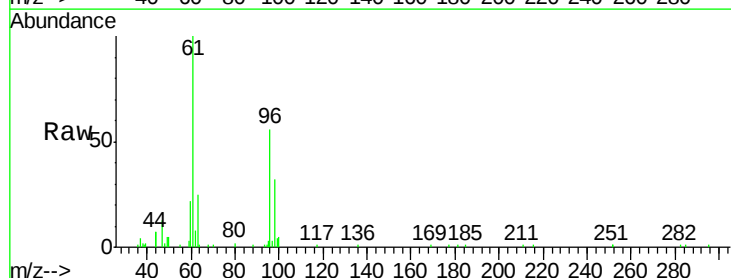
Manual Integrations
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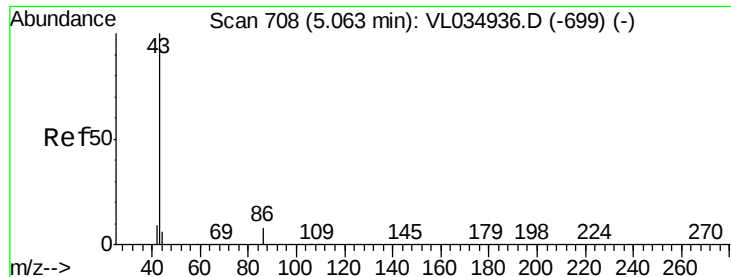
MMDadoda
5/7/2020 2:30:57 PM



#22
trans-1,2-Dichloroethene
Concen: 0.394 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	135.3	202.9
98	55.5	50.4	75.6





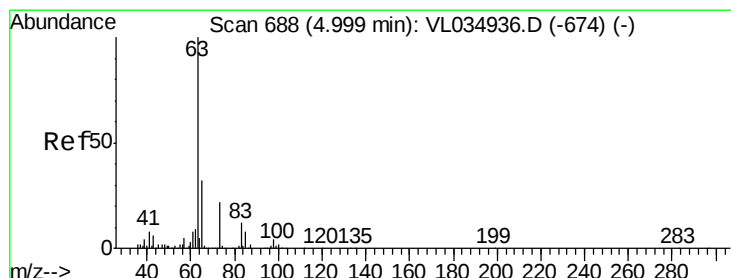
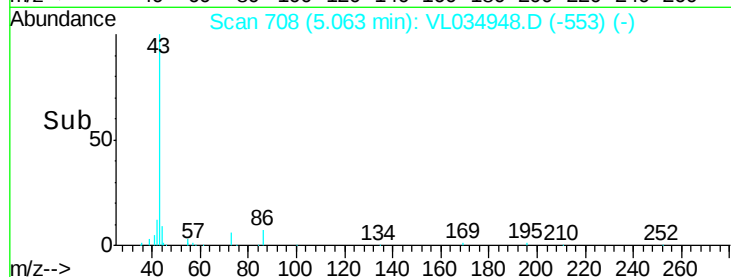
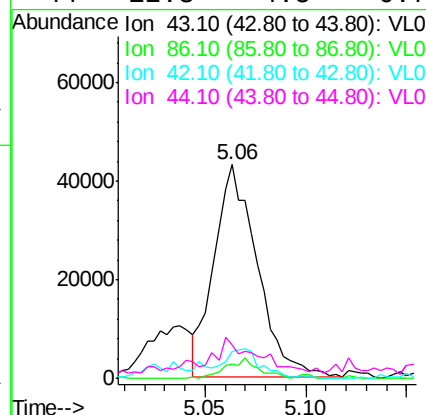
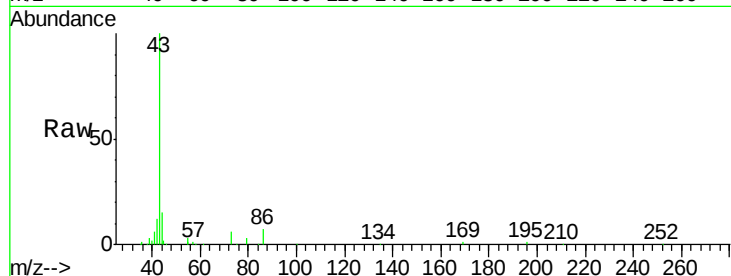
#23
 Vinyl Acetate
 Concen: 0.336 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	43	Resp:	64043
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.5	8.3
42	12.5	8.0	12.0#
44	12.3	4.5	6.7#

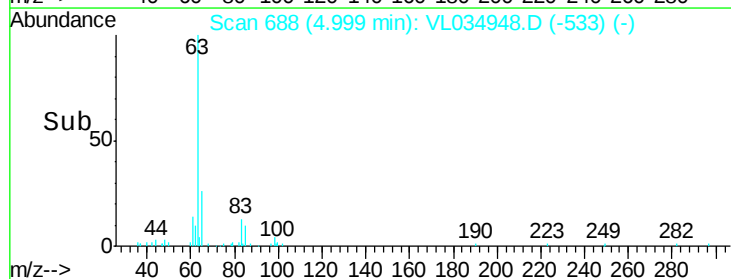
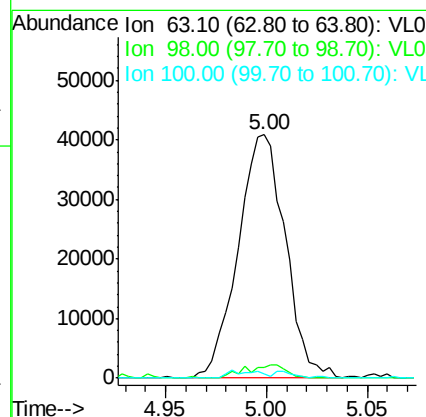
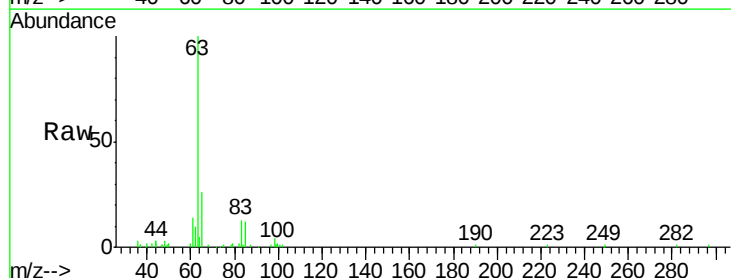
Manual Integrations
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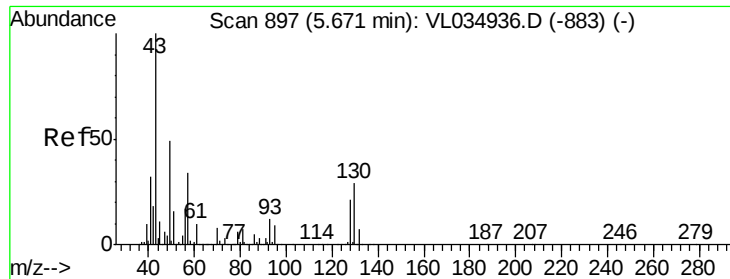
MMDadoda
 5/7/2020 2:30:57 PM



#24
 1,1-Dichloroethane
 Concen: 0.456 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion	63	Resp:	66986
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.0	1.1	3.5





#25

Ethyl Acetate

Concen: 0.402 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

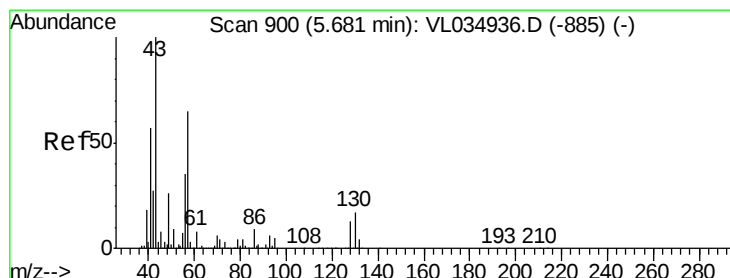
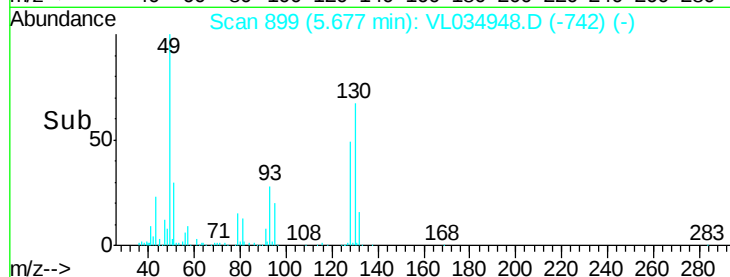
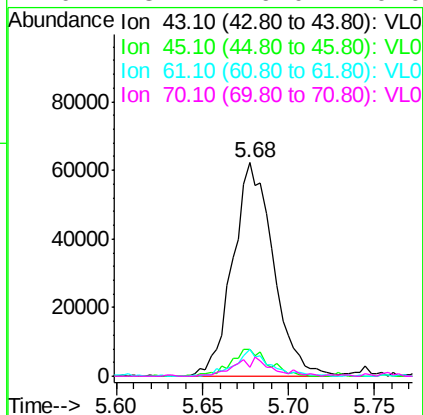
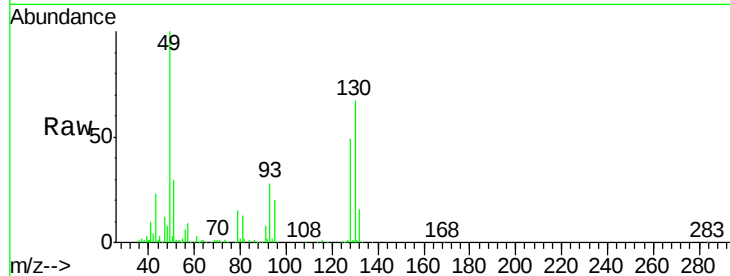
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion	43	Resp	101522
Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.1	12.1
61	10.4	7.8	11.8
70	8.1	6.0	9.0

Manual Integrations
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#26

Hexane

Concen: 0.379 ppbv m

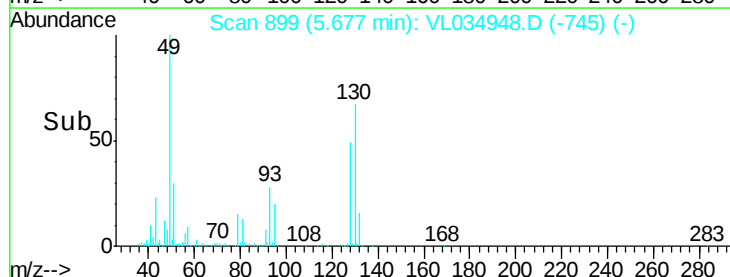
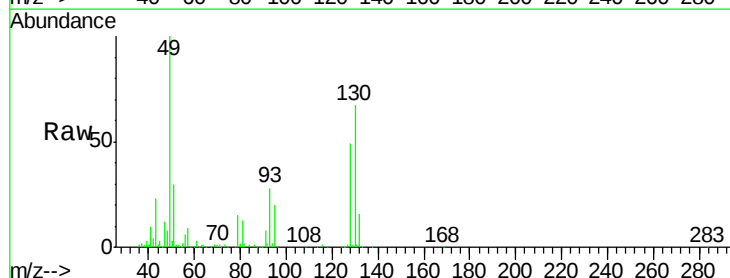
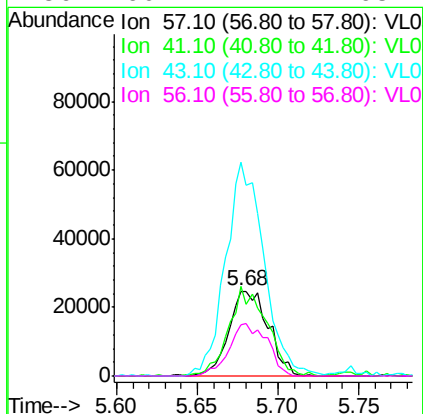
RT: 5.68 min Scan# 899

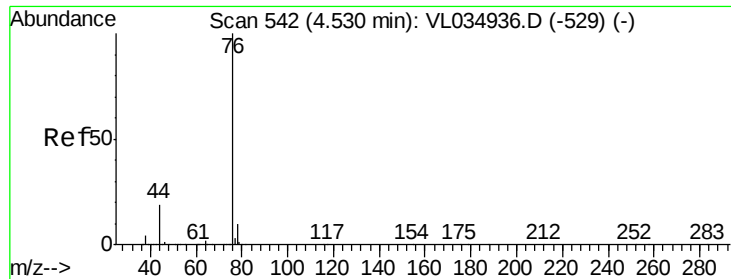
Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion	57	Resp	41489
Ion	Ratio	Lower	Upper
57	100		
41	103.9	72.7	109.1
43	249.1	182.1	273.1
56	60.1	42.2	63.2





#27

Carbon Disulfide

Concen: 0.353 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

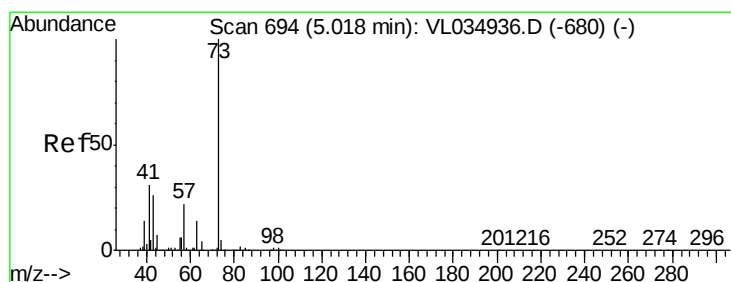
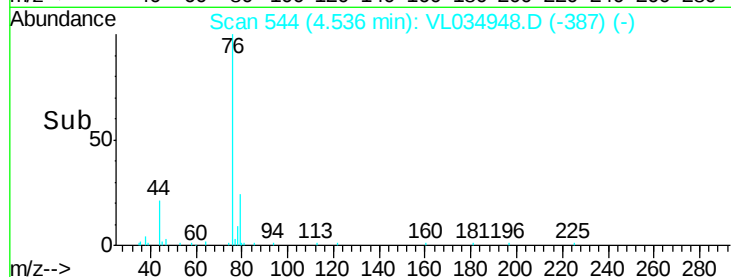
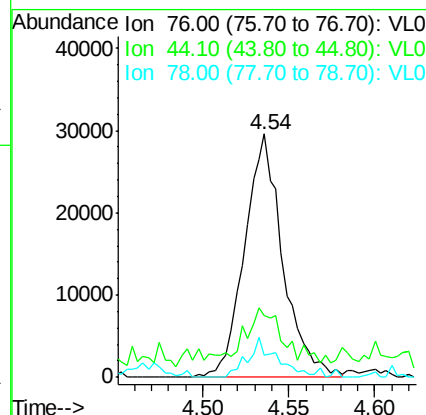
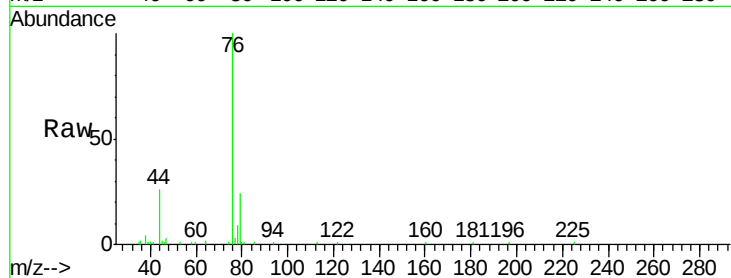
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	76	Resp:	45504
Ion Ratio	Lower	Upper	
76	100		
44	26.5	15.2	22.8#
78	13.9	7.7	11.5#

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#28

Methyl tert-Butyl Ether

Concen: 0.338 ppbv

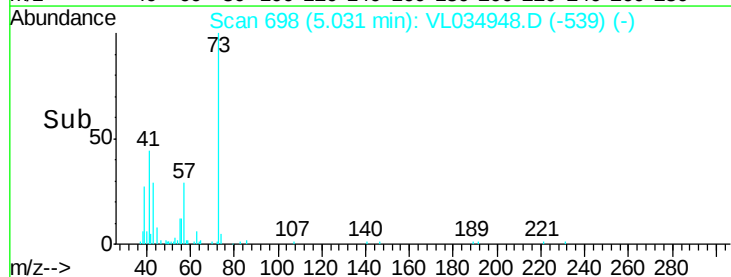
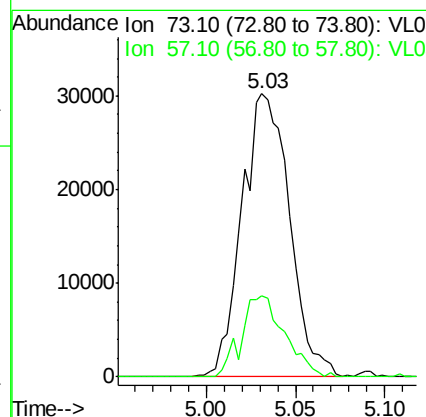
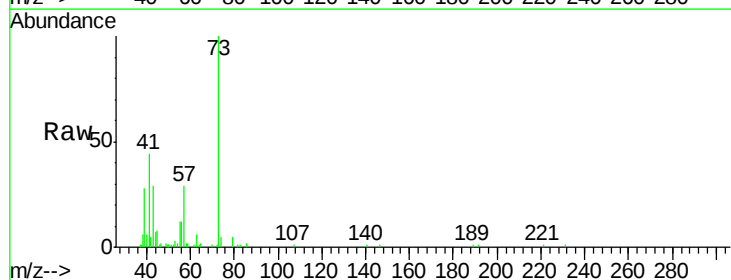
RT: 5.03 min Scan# 698

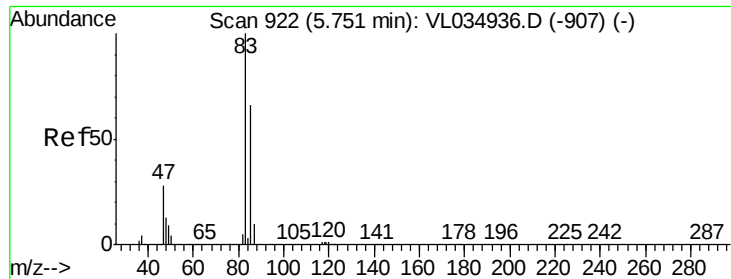
Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	73	Resp:	56360
Ion Ratio	Lower	Upper	
73	100		
57	26.2	18.3	27.5





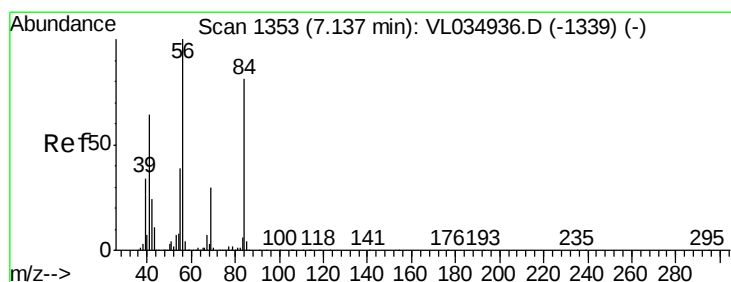
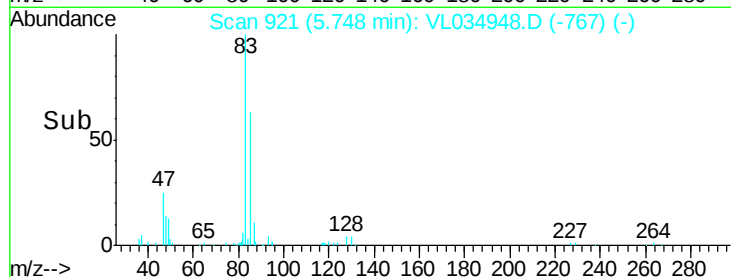
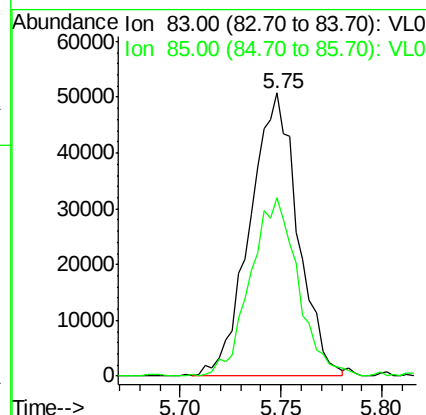
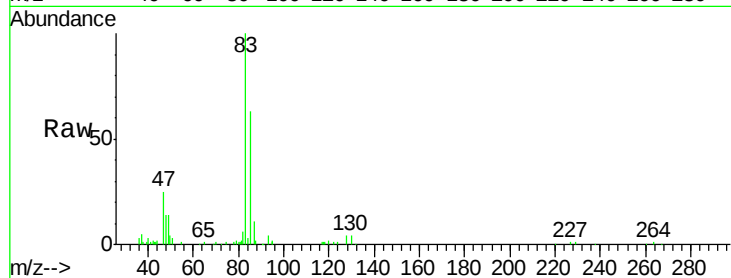
#29
Chloroform
Concen: 0.466 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	83	Resp	83412
Ion Ratio	100	Lower	Upper
85	62.8	53.0	79.6

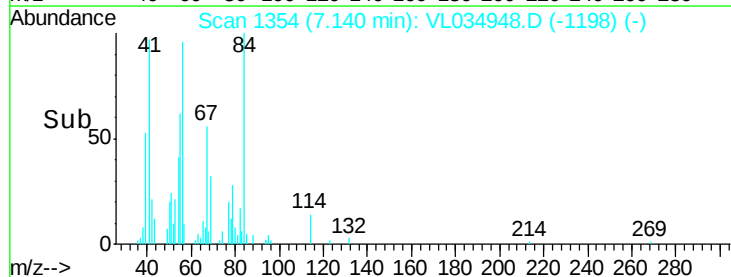
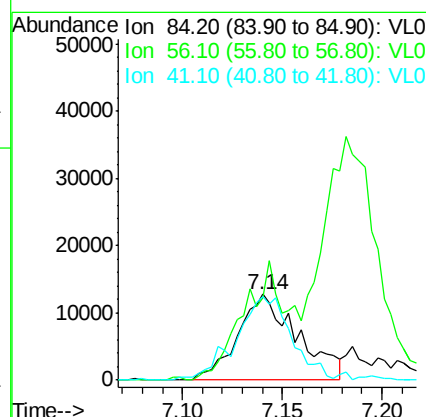
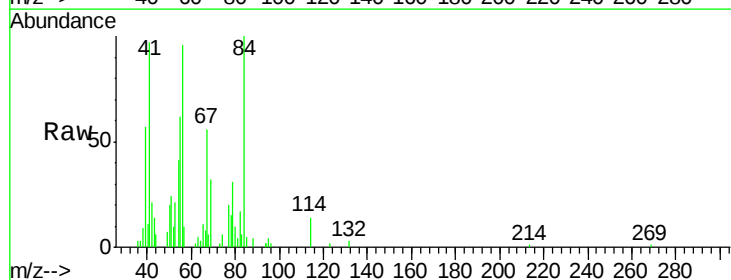
Manual Integrations
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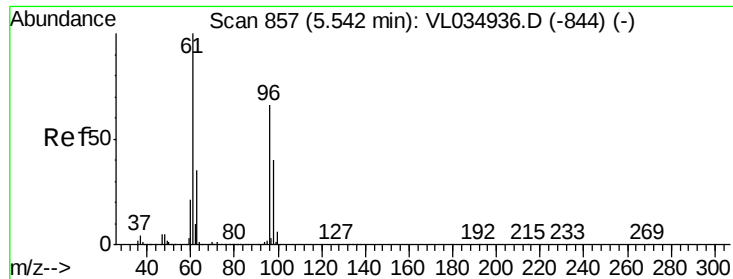
MMDadoda
5/7/2020 2:30:57 PM



#30
Cyclohexane
Concen: 0.316 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	84	Resp	26664
Ion Ratio	100	Lower	Upper
56	90.2	111.4	167.2#
41	93.7	66.7	100.1





#31

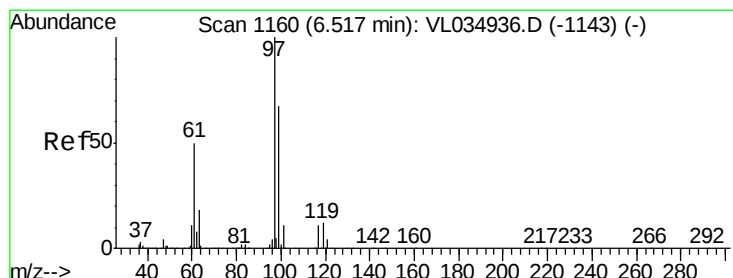
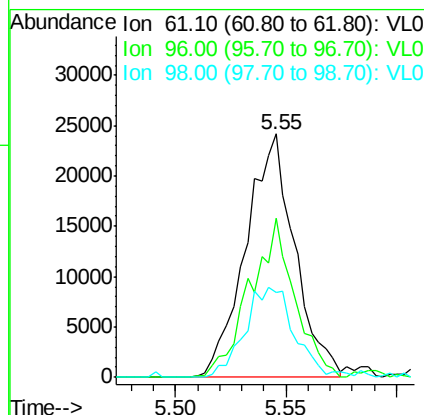
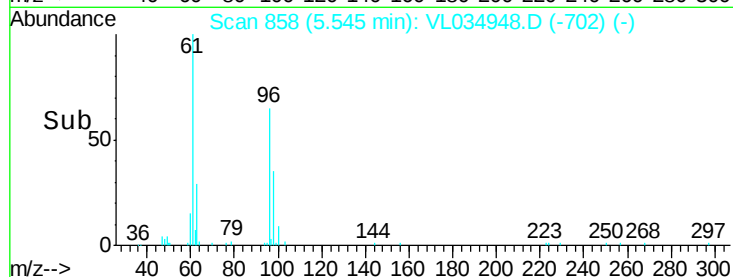
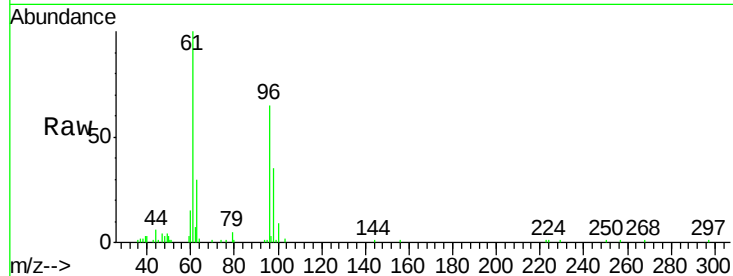
cis-1,2-Dichloroethene
Concen: 0.349 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		37320		
96	68.7	53.0	79.6		
98	34.8	32.2	48.2		

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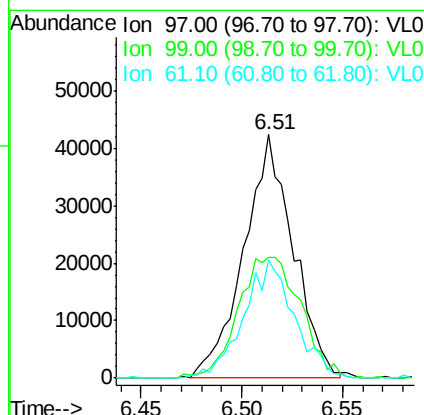
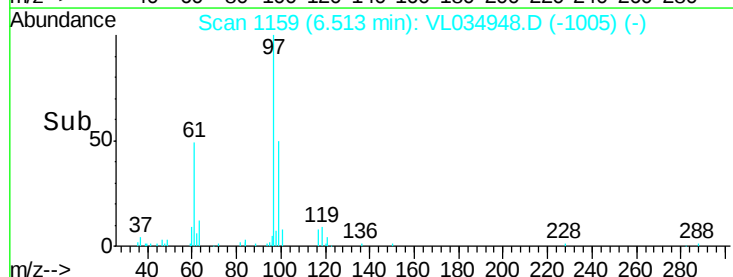
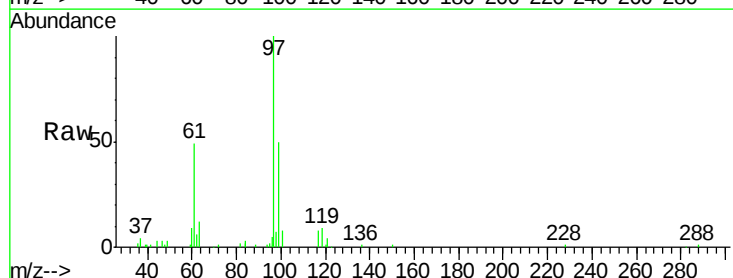
MMDadoda
5/7/2020 2:30:57 PM

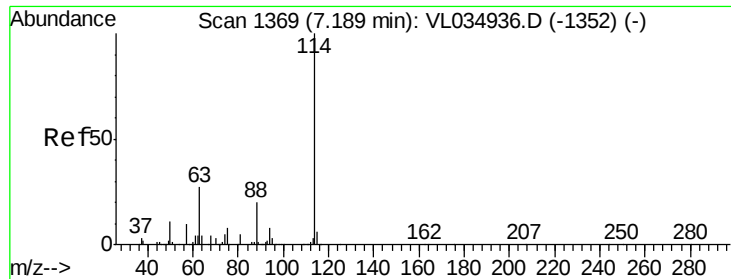


#32

1,1,1-Trichloroethane
Concen: 0.448 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		72470		
99	62.8	52.1	78.1		
61	49.6	41.8	62.8		





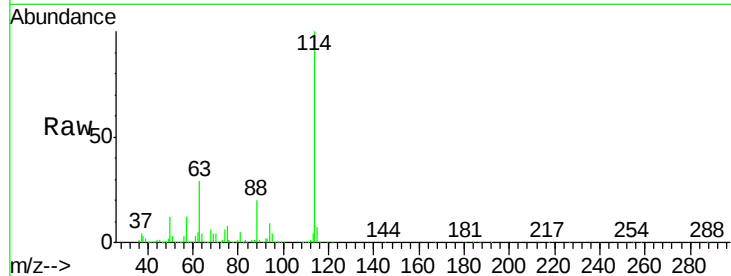
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.2	33.4
88	19.9	15.5	23.3

Manual Integrations
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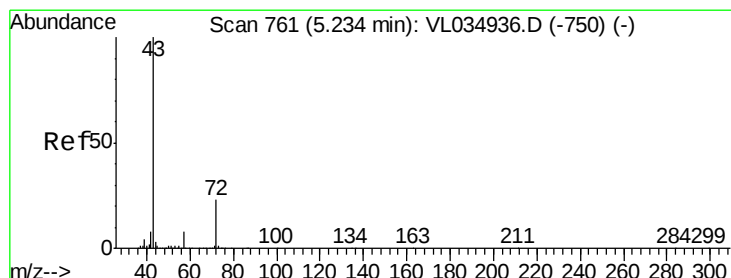
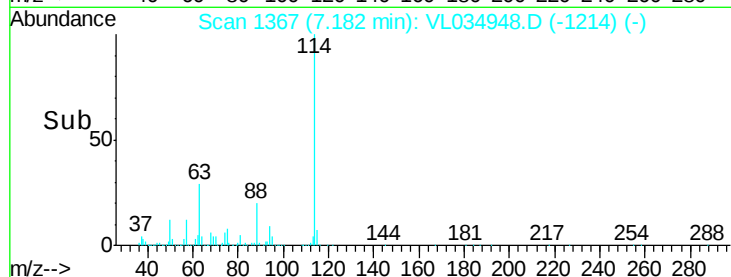
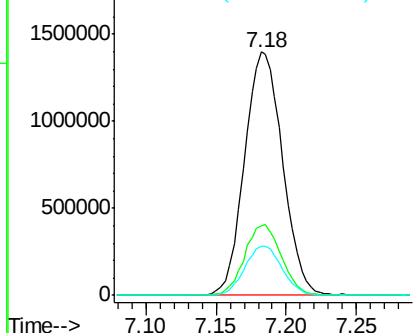
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Abundance Ion 114.10 (113.80 to 114.80): V

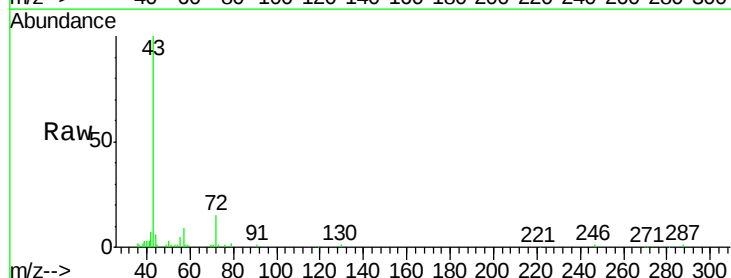
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



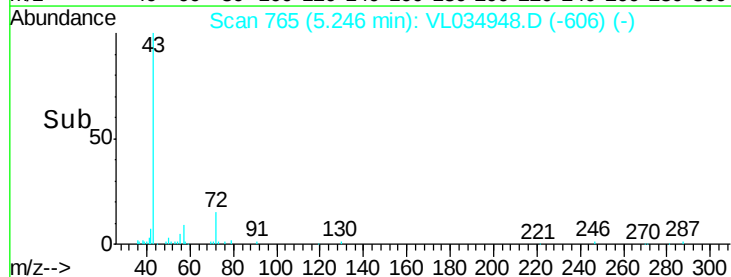
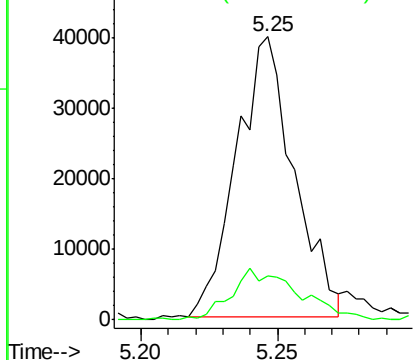
#34
 2-Butanone
 Concen: 0.353 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

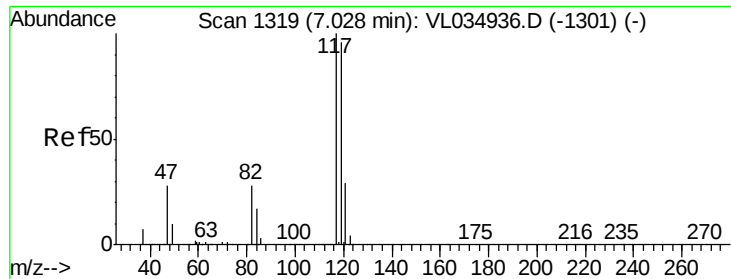
Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	18.0	27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.415 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

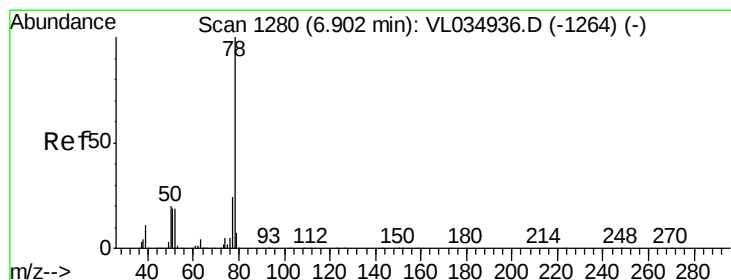
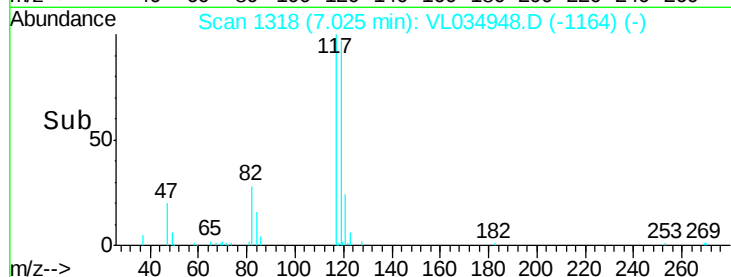
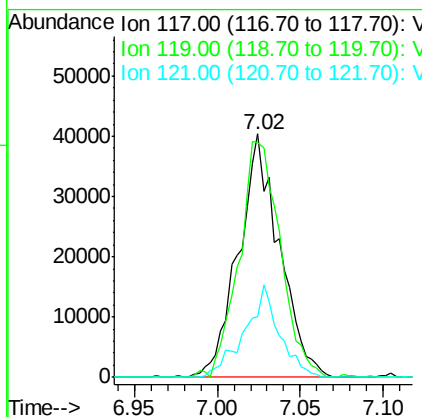
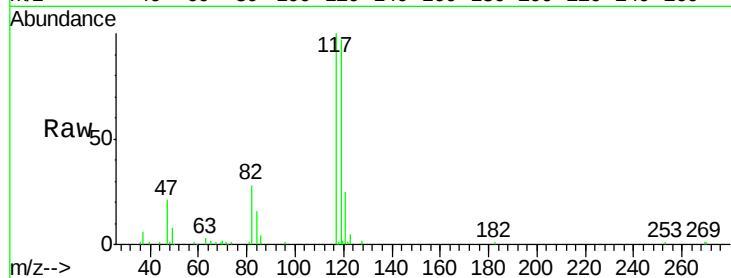
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	117	Resp:	69122
Ion Ratio	Lower	Upper	
117	100		
119	96.1	77.0	115.6
121	24.8	23.0	34.6

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5/7/2020 2:30:57 PM



#36

Benzene

Concen: 0.337 ppbv

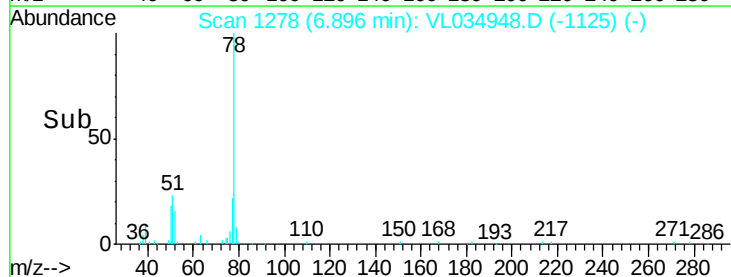
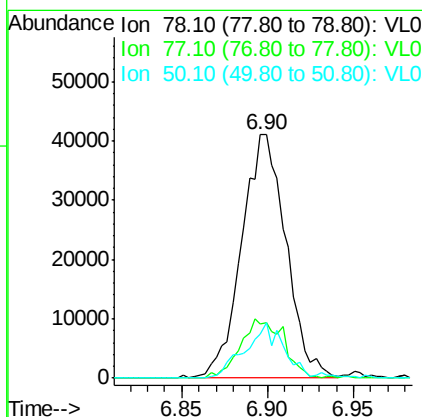
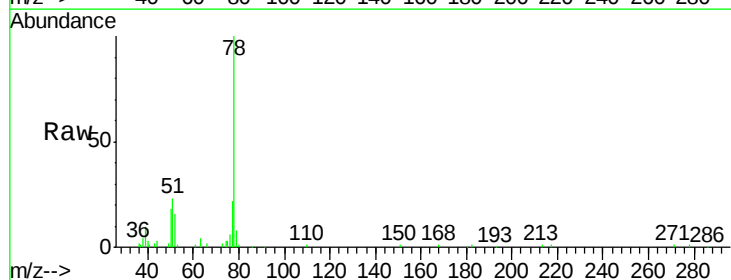
RT: 6.90 min Scan# 1278

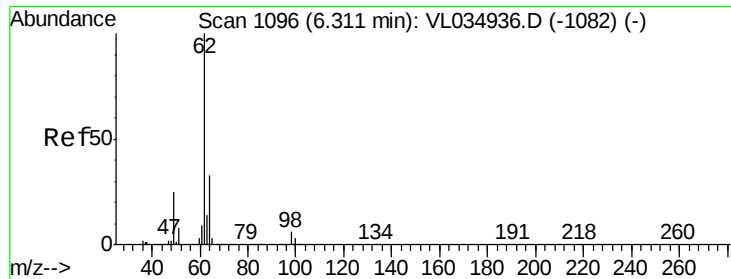
Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	78	Resp:	73297
Ion Ratio	Lower	Upper	
78	100		
77	22.5	19.0	28.6
50	18.3	15.8	23.8





#37

1,2-Dichloroethane

Concen: 0.399 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

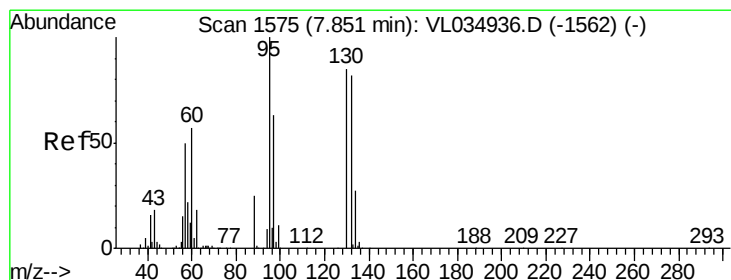
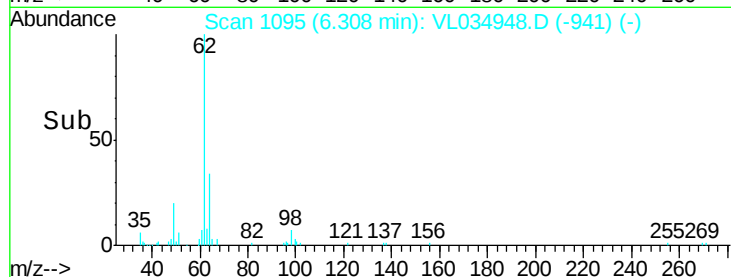
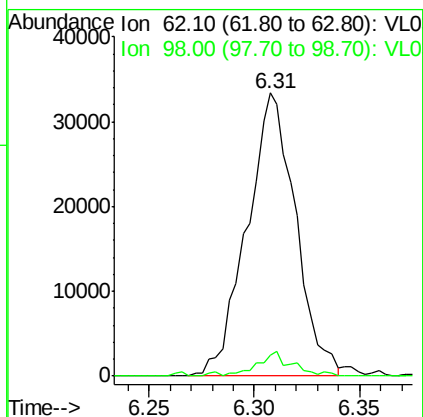
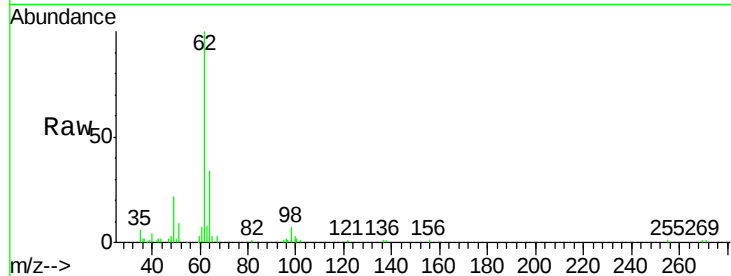
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	53521		
98	6.7	4.8	7.2	

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#38

Trichloroethene

Concen: 0.356 ppbv

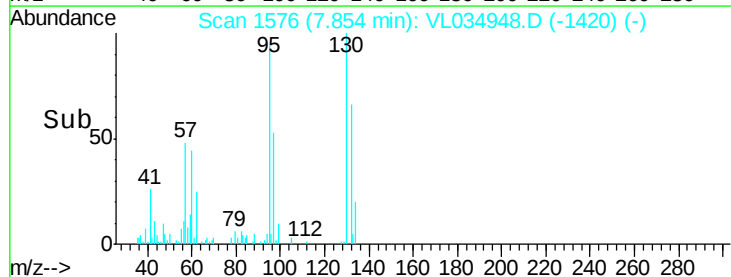
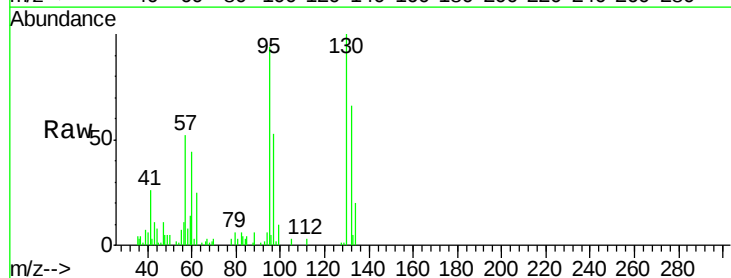
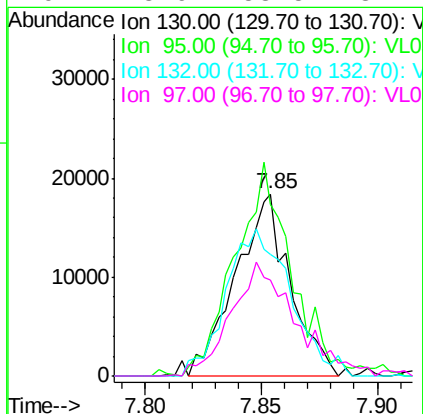
RT: 7.85 min Scan# 1576

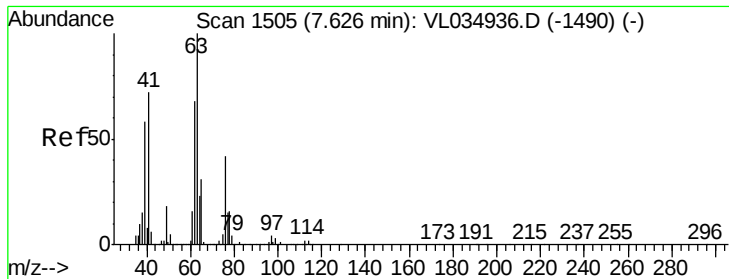
Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	30011		
95	89.1	93.4	140.0#	
132	57.7	76.4	114.6#	
97	45.9	58.5	87.7#	





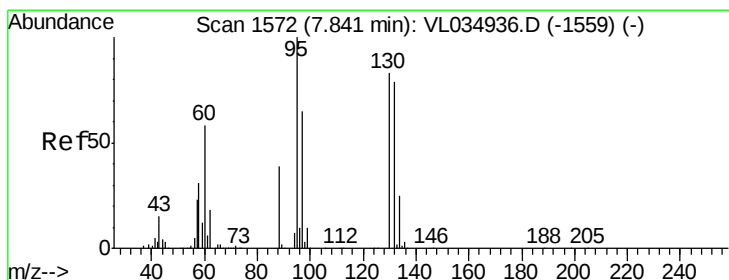
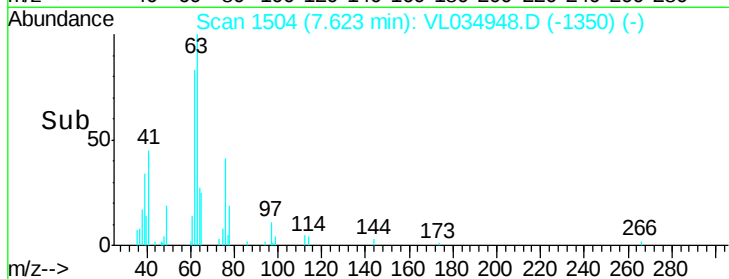
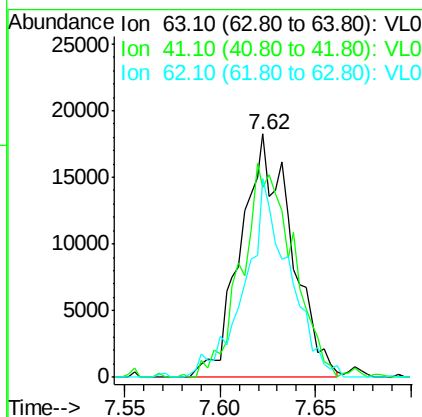
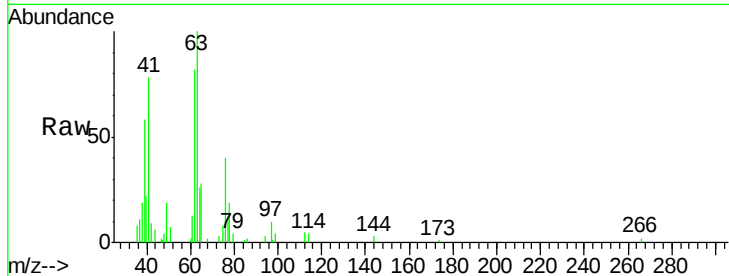
#39
 1,2-Dichloropropane
 Concen: 0.386 ppbv m
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.1	57.8	86.8
62	81.6	54.2	81.2#

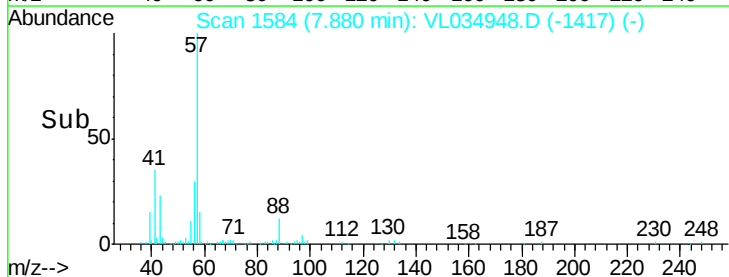
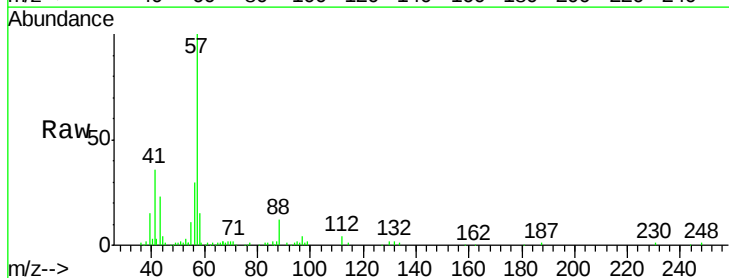
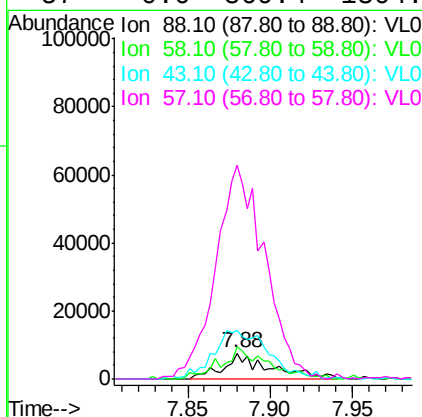
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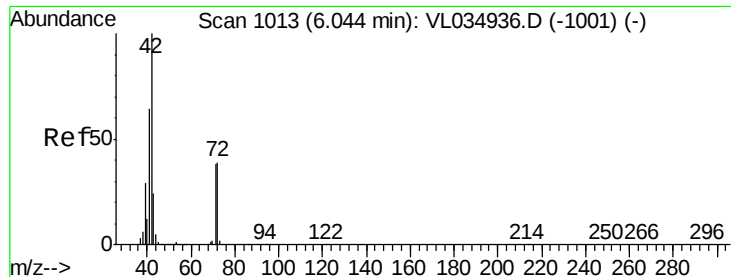
MMDadoda
 5/7/2020 2:30:57 PM



#40
 1,4-Dioxane
 Concen: 0.421 ppbv m
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.04 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

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





#41

Tetrahydrofuran

Concen: 0.278 ppbv m

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

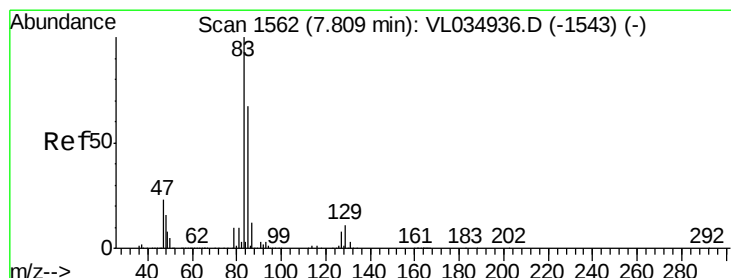
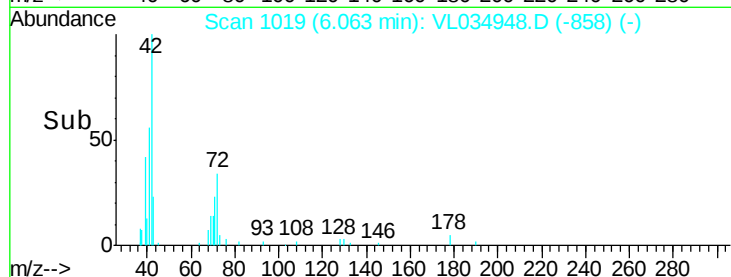
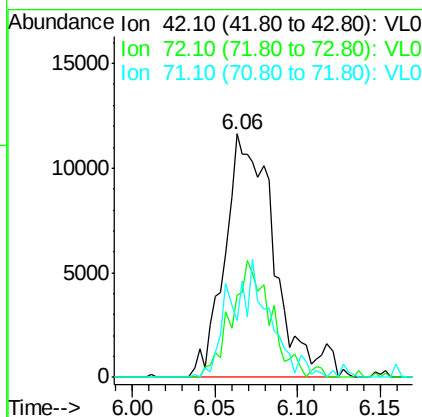
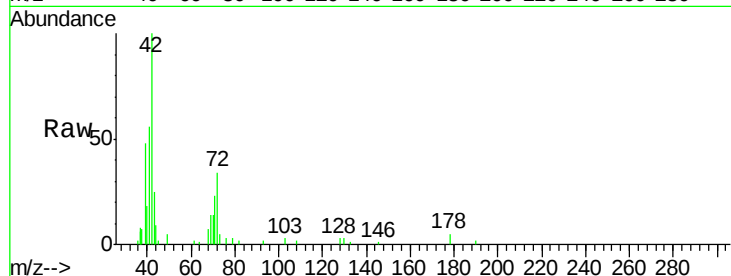
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	29.8	44.8#

Manual Integrations
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5/7/2020 2:30:57 PM



#42

Bromodichloromethane

Concen: 0.389 ppbv

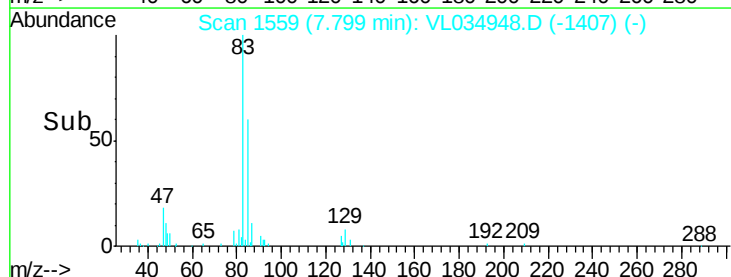
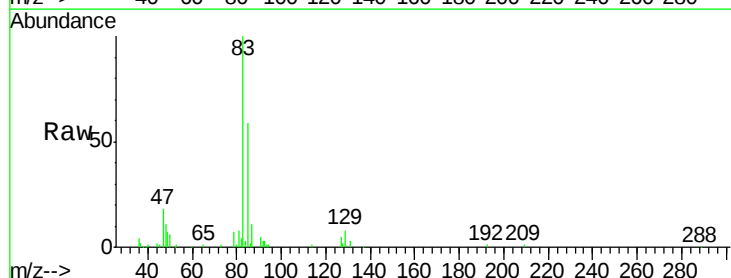
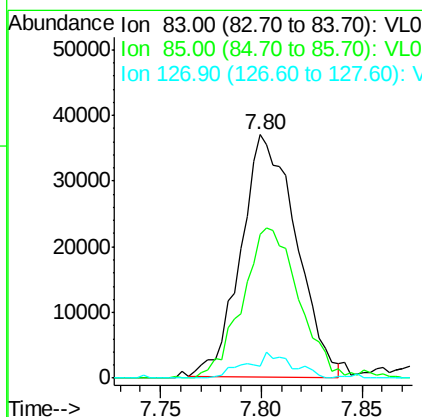
RT: 7.80 min Scan# 1559

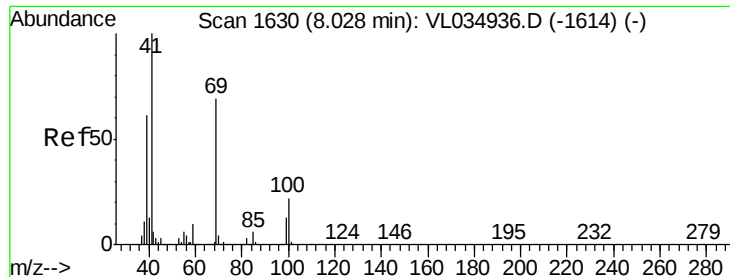
Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	53.4	80.0
127	5.0	6.1	9.1#





#43

Methyl Methacrylate

Concen: 0.312 ppbv m

RT: 8.03 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

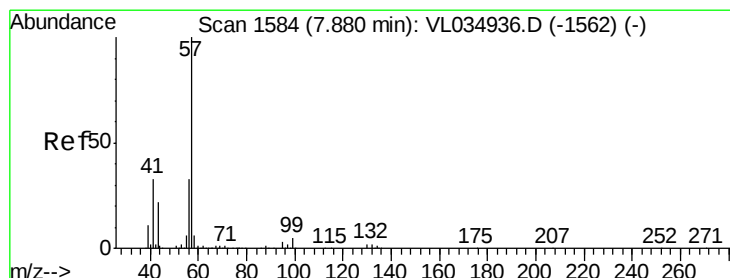
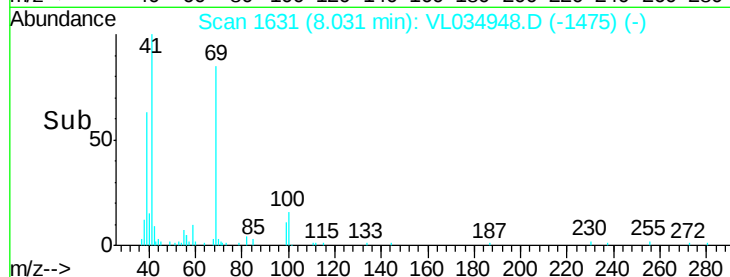
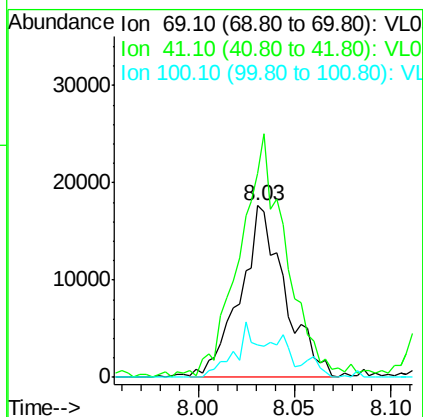
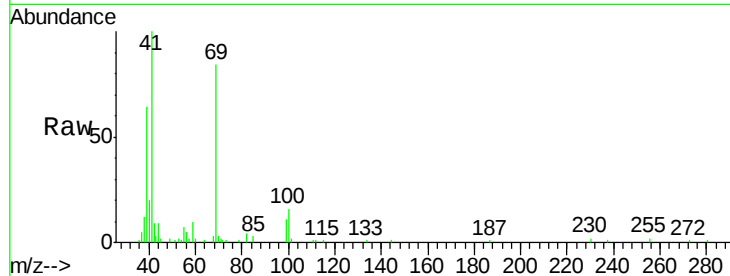
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.3	119.8	179.6
100	32.0	25.0	37.6

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#44

2,2,4-Trimethylpentane

Concen: 0.336 ppbv m

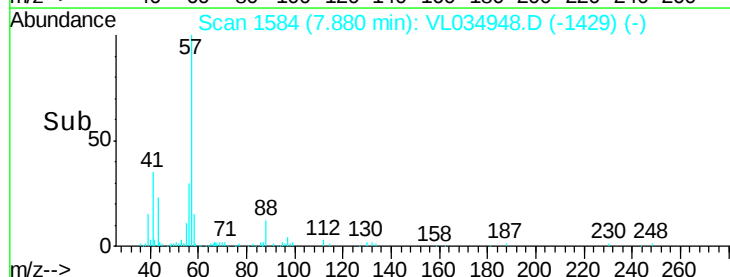
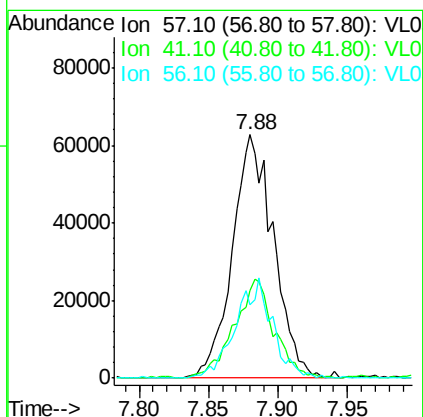
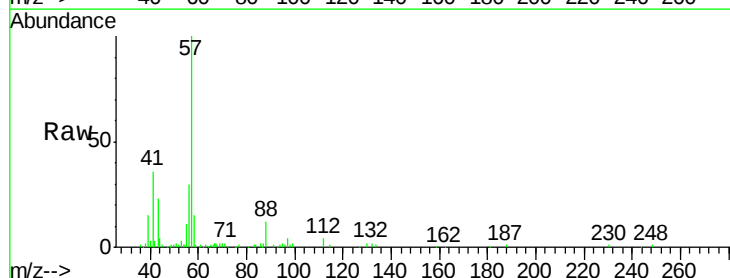
RT: 7.88 min Scan# 1584

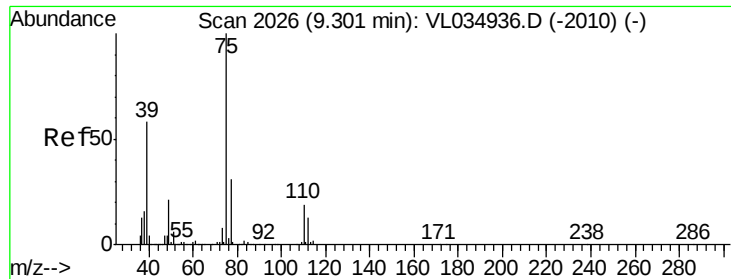
Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.4	39.6#
56	0.0	25.5	38.3#





#45

t-1,3-Dichloropropene

Concen: 0.223 ppbv m

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 75 Resp: 20703

Ion Ratio Lower Upper

75 100

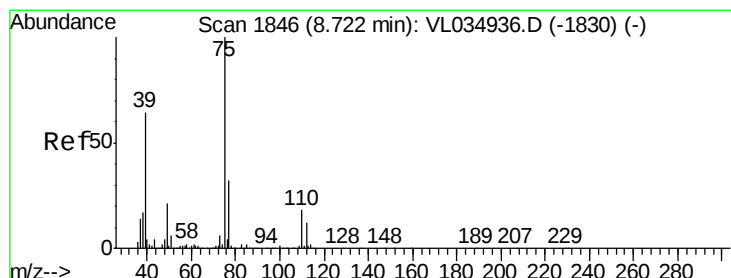
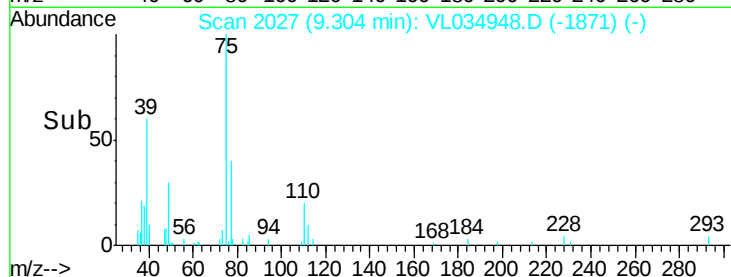
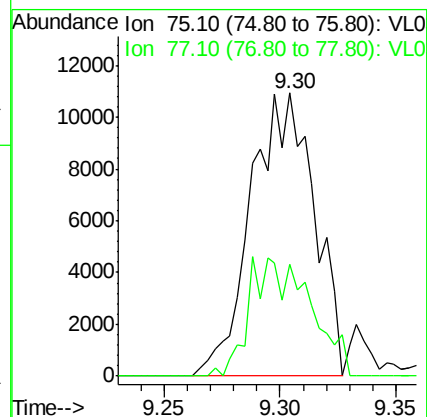
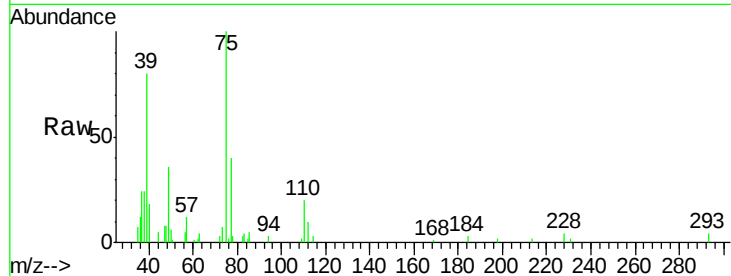
77 39.6 24.9 37.3#

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#46

cis-1,3-Dichloropropene

Concen: 0.268 ppbv m

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

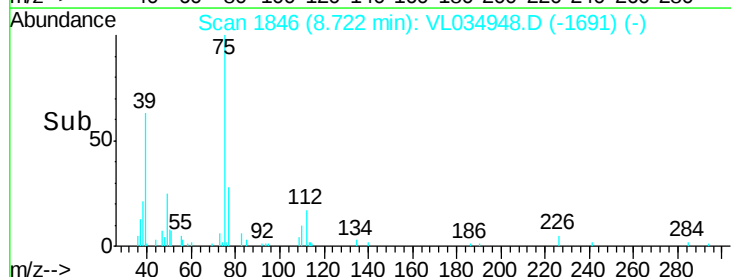
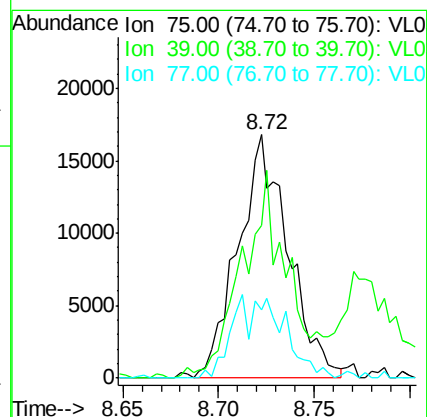
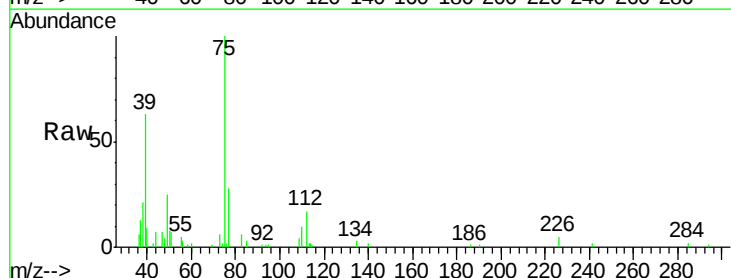
Tgt Ion: 75 Resp: 30513

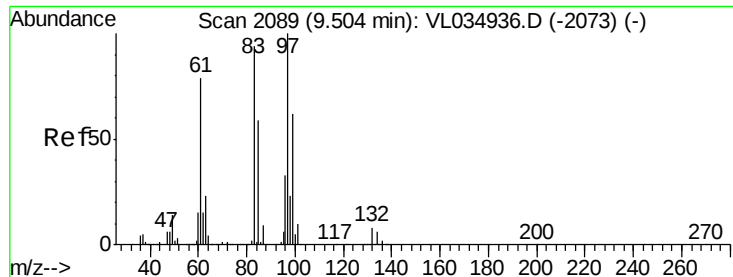
Ion Ratio Lower Upper

75 100

39 62.9 51.5 77.3

77 28.0 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 0.416 ppbv m

RT: 9.51 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

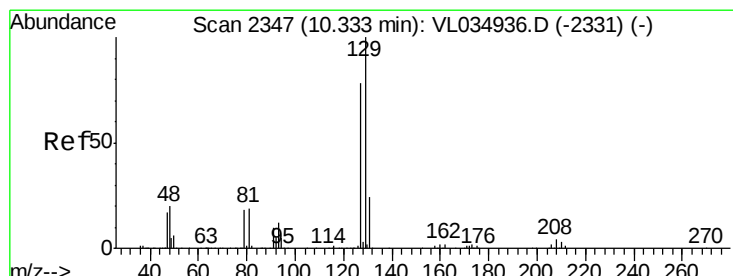
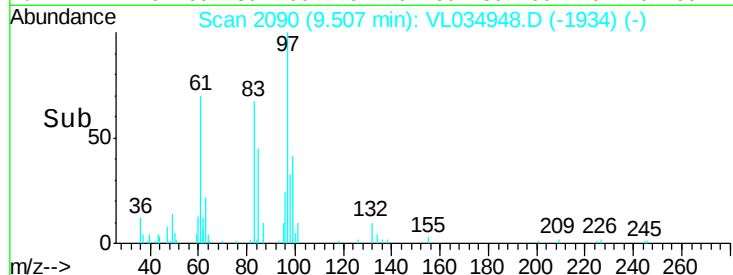
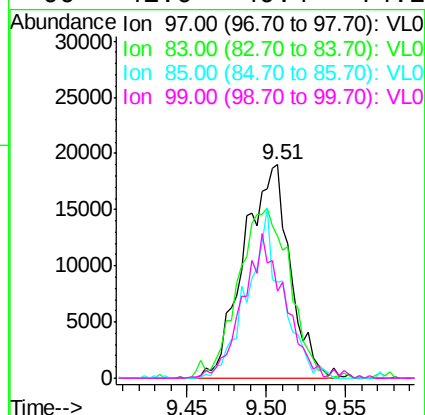
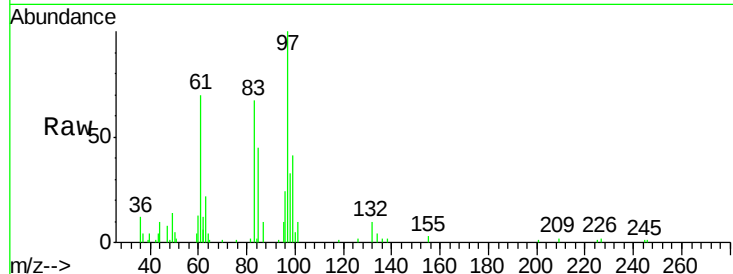
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	66.5	75.6	113.4#	
85	44.9	47.0	70.6#	
99	41.0	49.4	74.2#	

Manual Integrations
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#48

Dibromochloromethane

Concen: 0.350 ppbv

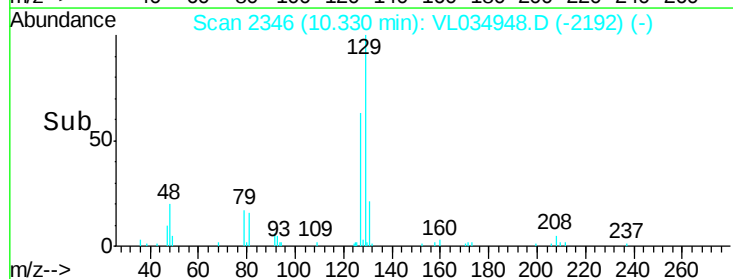
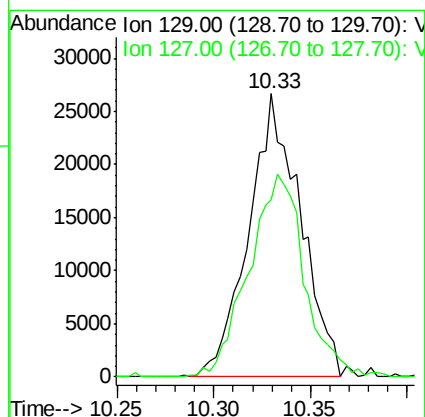
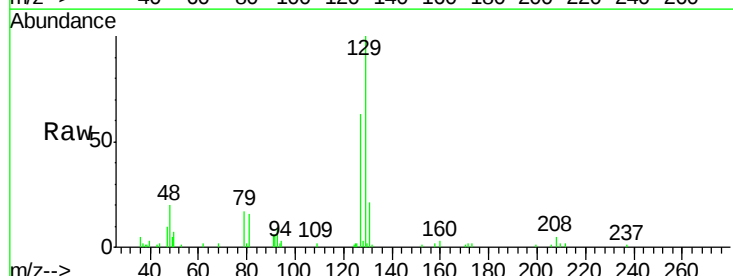
RT: 10.33 min Scan# 2346

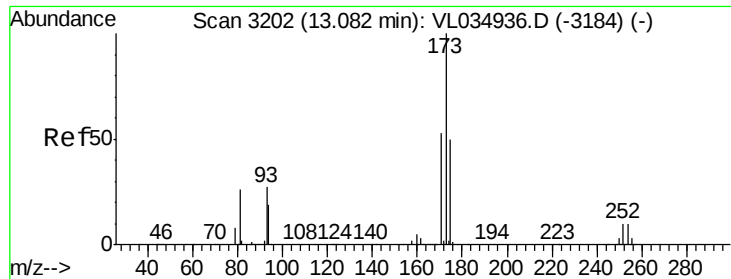
Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.0	39.1	117.2	





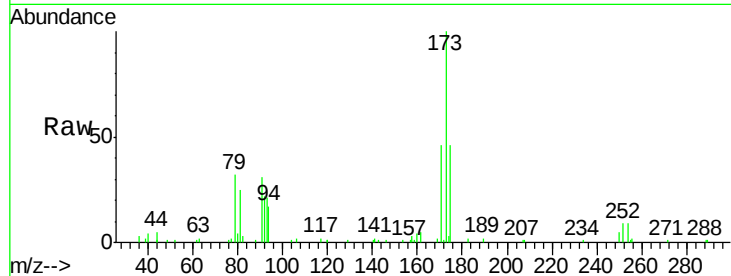
#49
Bromoform
Concen: 0.350 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	39.0	58.6
171	52.2	41.4	62.2

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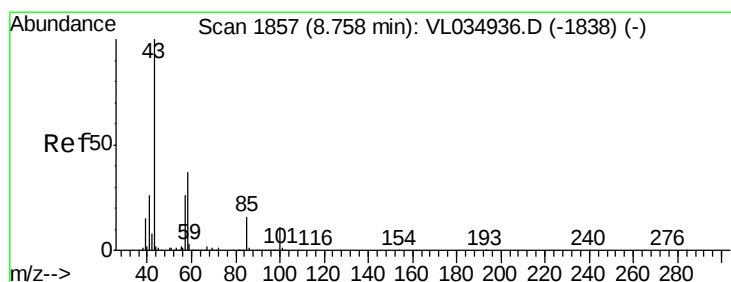
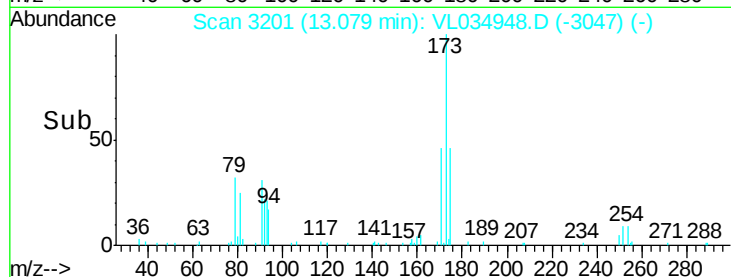
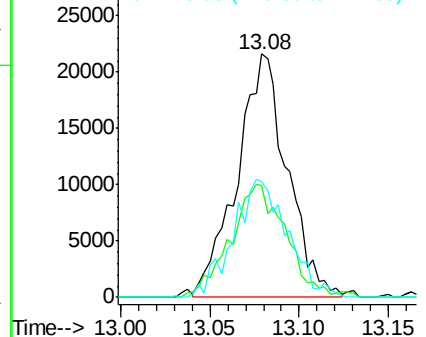


Abundance

Ion 172.90 (172.60 to 173.60): V

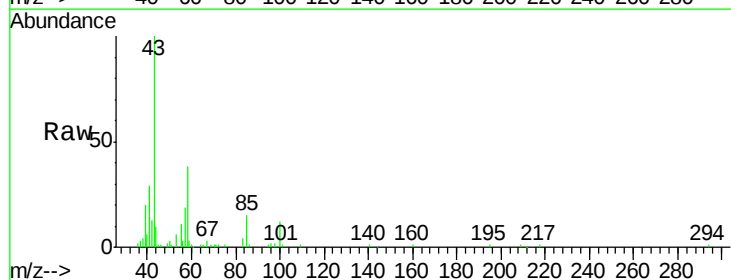
Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50
4-Methyl-2-Pentanone
Concen: 0.301 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.02 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

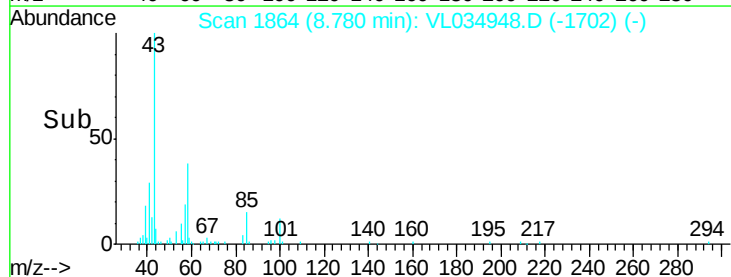
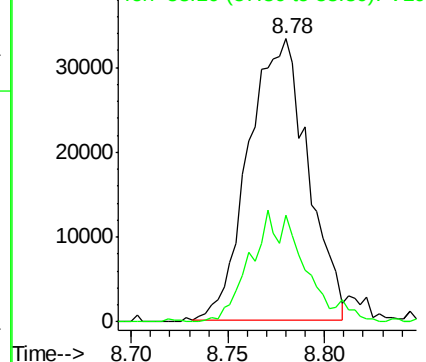
Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.1	43.7

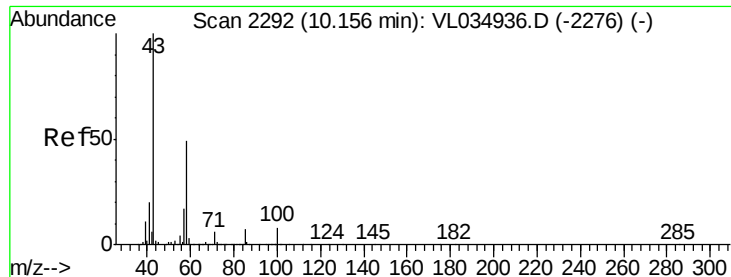


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.276 ppbv

RT: 10.18 min Scan# 2298

Delta R.T. 0.02 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

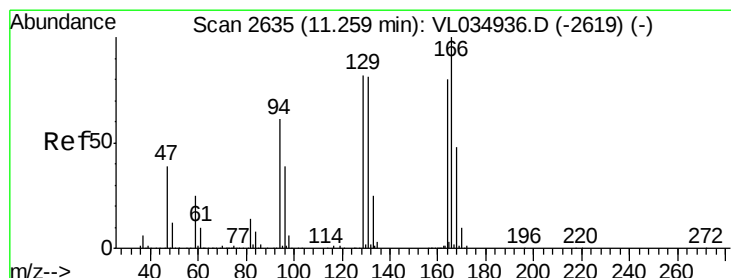
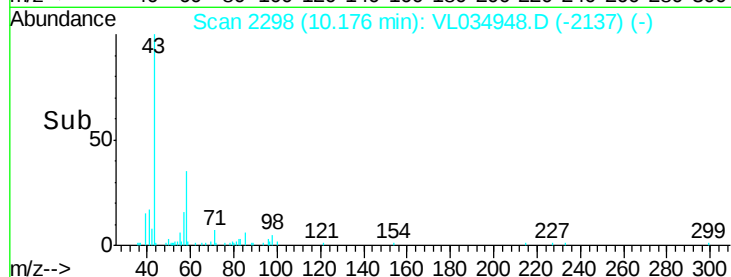
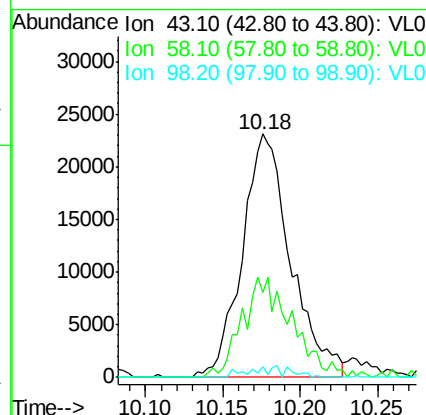
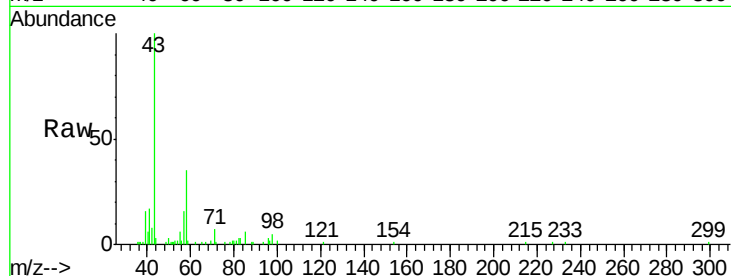
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	43	Resp:	50575
Ion Ratio	Lower	Upper	
43	100		
58	42.9	39.1	58.7
98	3.6	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.372 ppbv m

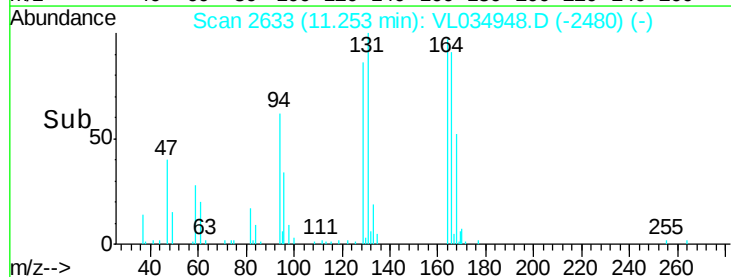
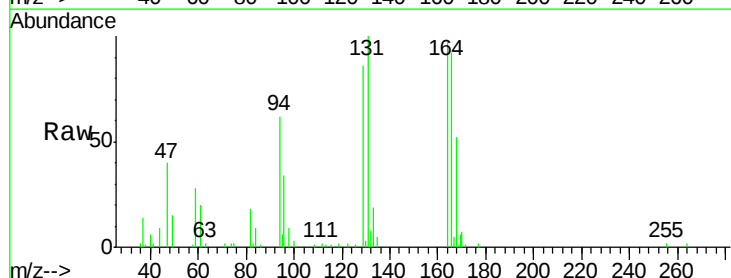
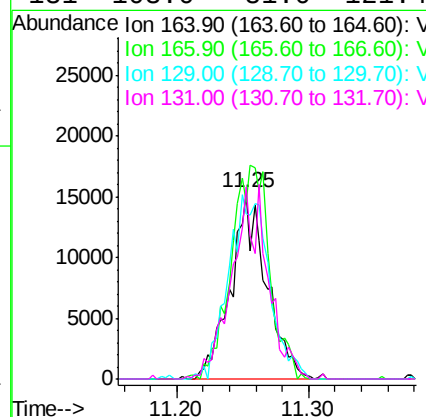
RT: 11.25 min Scan# 2633

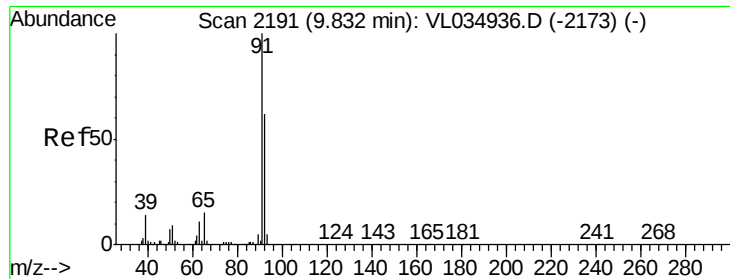
Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	164	Resp:	28806
Ion Ratio	Lower	Upper	
164	100		
166	95.0	100.7	151.1#
129	88.4	83.0	124.4
131	103.0	81.0	121.4





#53

Toluene

Concen: 0.285 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 91 Resp: 65806

Ion Ratio Lower Upper

91 100

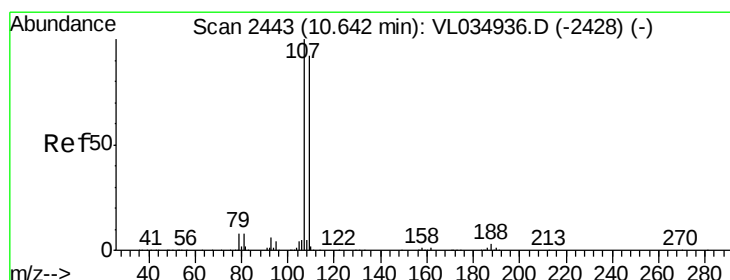
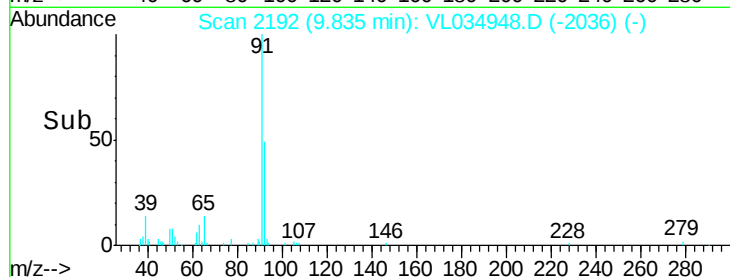
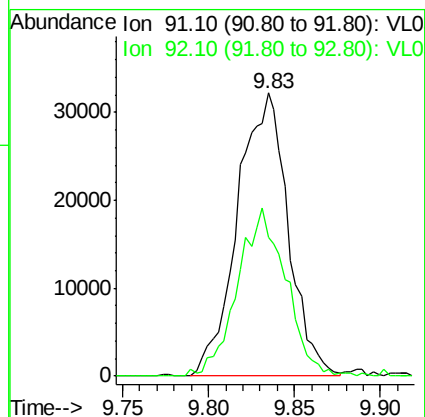
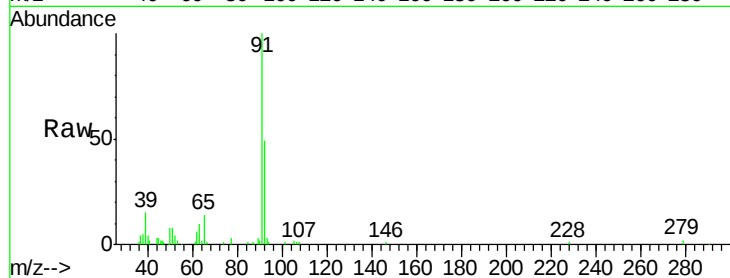
92 56.9 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 0.373 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL034948.D

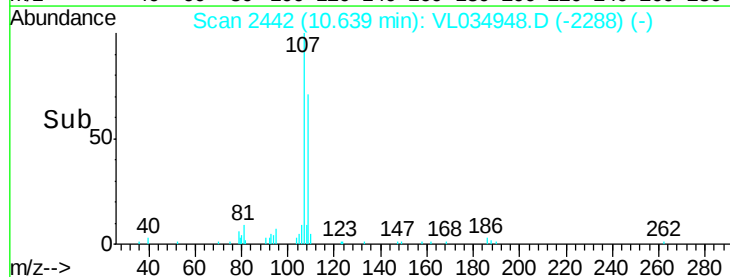
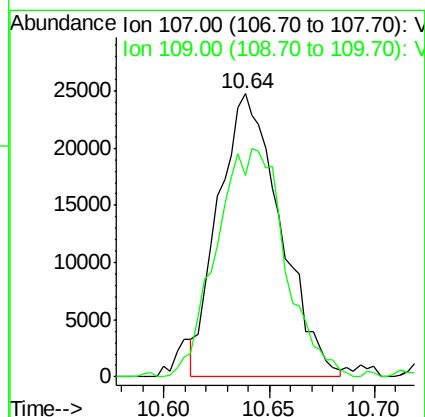
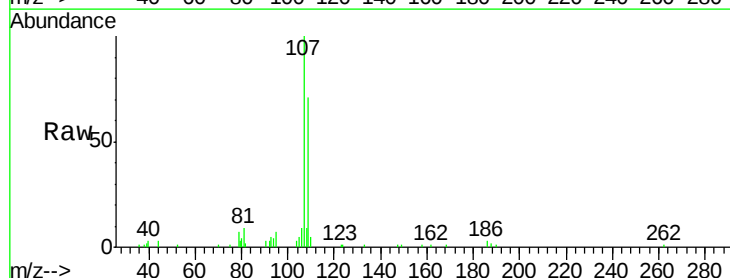
Acq: 6 May 2020 18:55

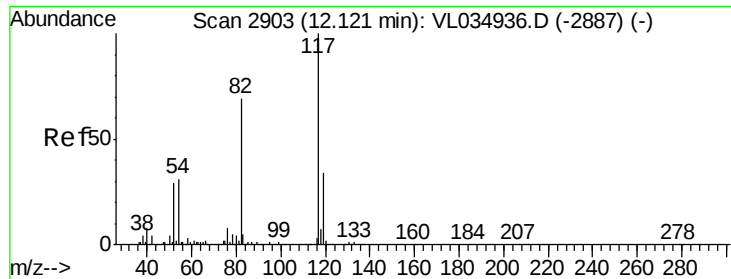
Tgt Ion: 107 Resp: 50478

Ion Ratio Lower Upper

107 100

109 74.9 73.2 109.8





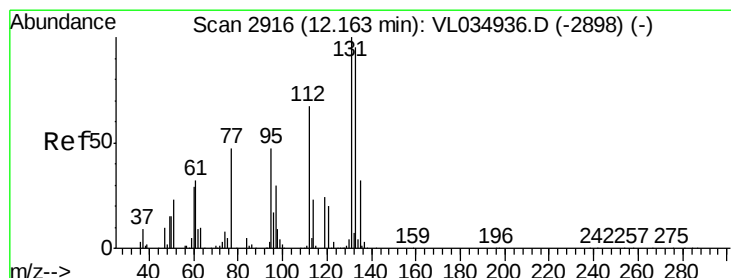
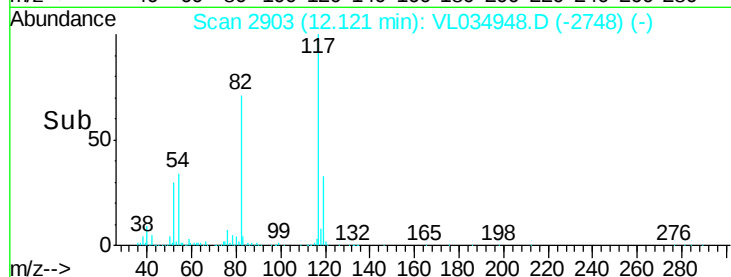
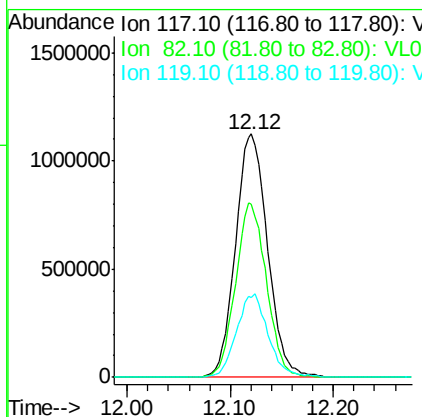
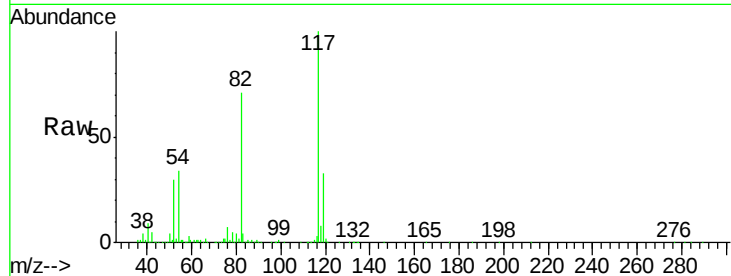
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	53.1	79.7
119	34.1	26.7	40.1

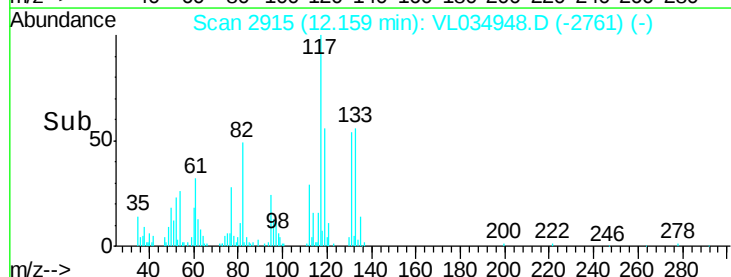
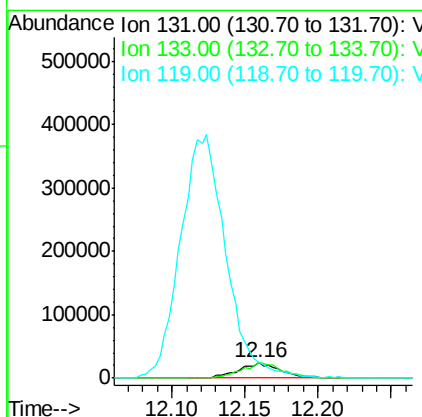
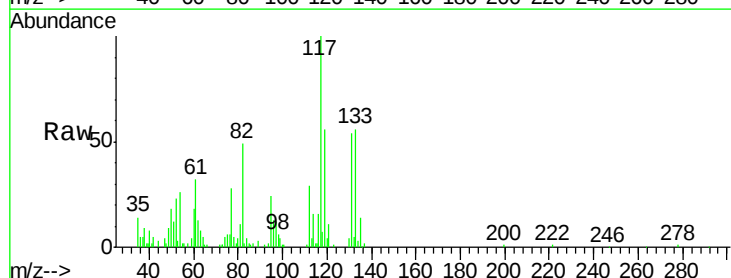
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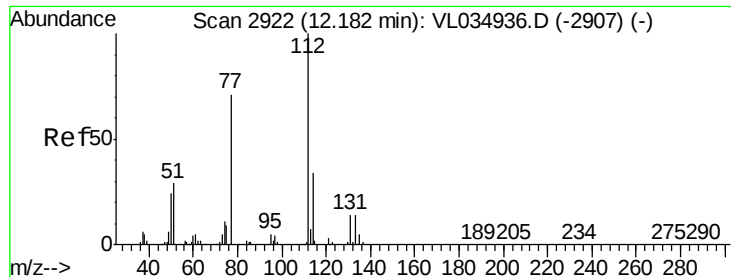
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.429 ppbv m
RT: 12.16 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	49.8	74.6#





#57

Chlorobenzene

Concen: 0.428 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

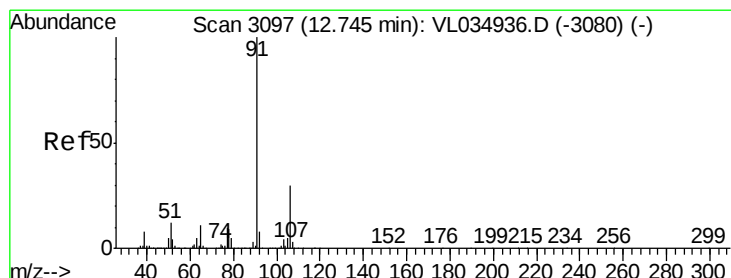
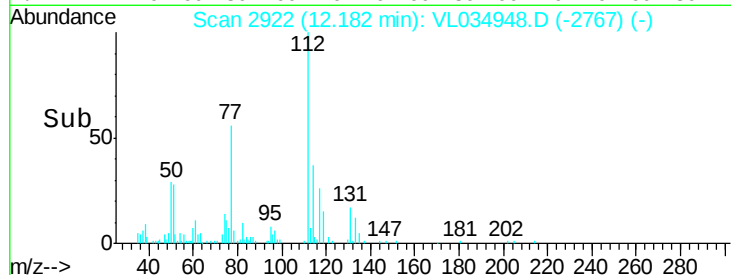
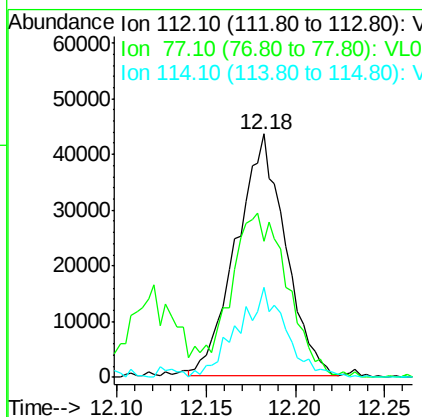
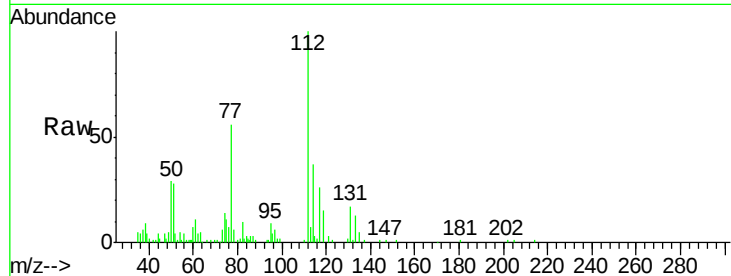
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	112	Resp:	82675
Ion Ratio	Lower	Upper	
112	100		
77	55.4	57.0	85.6#
114	37.3	30.8	37.6

Manual Integrations
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5/7/2020 2:30:57 PM



#58

Ethyl Benzene

Concen: 0.289 ppbv

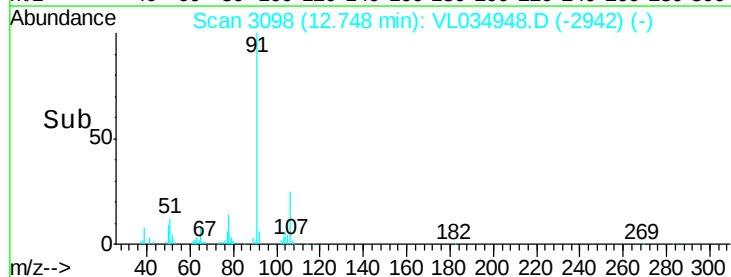
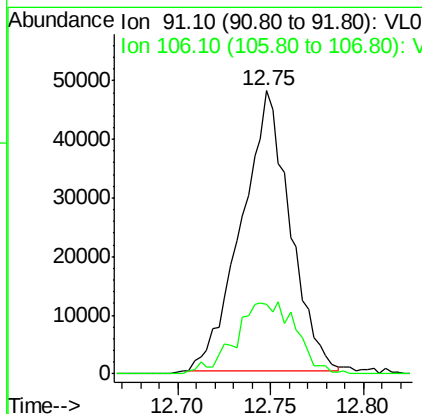
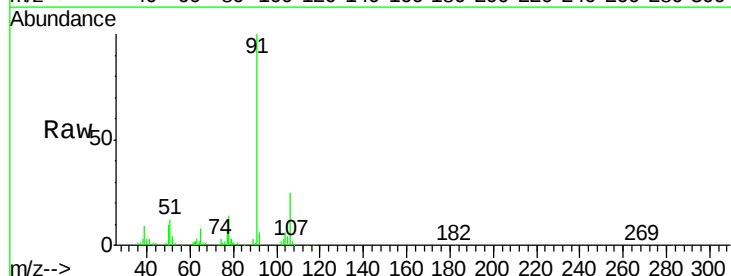
RT: 12.75 min Scan# 3098

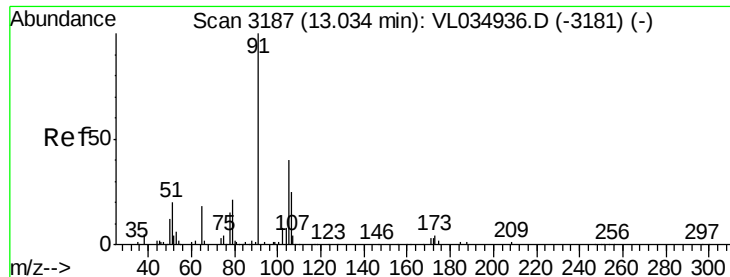
Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	91	Resp:	87069
Ion Ratio	Lower	Upper	
91	100		
106	24.4	24.2	36.4





#59

m/p-Xylene

Concen: 0.668 ppbv m

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 91 Resp: 176992

Ion Ratio Lower Upper

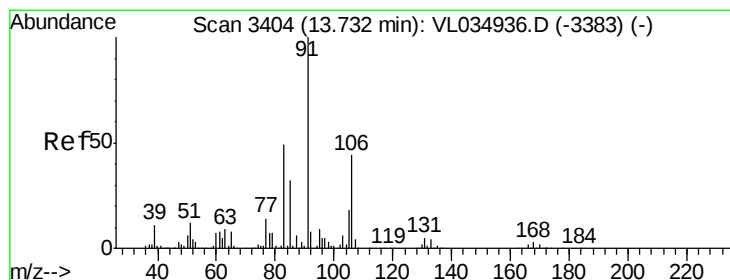
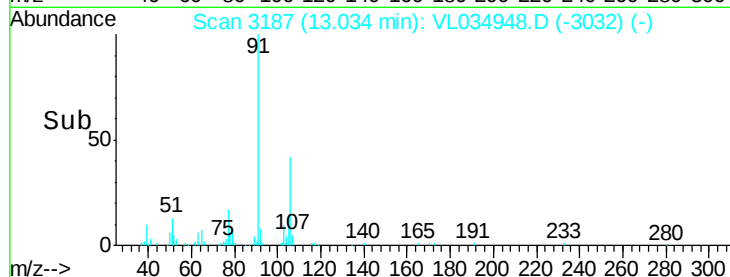
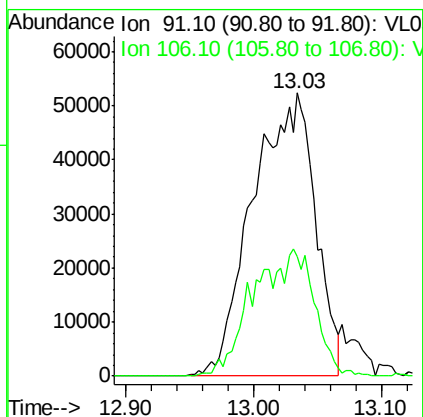
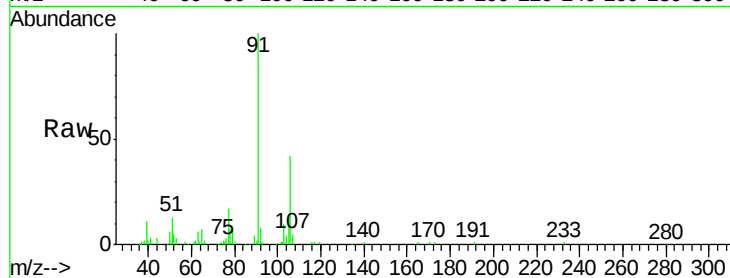
91 100

106 44.0 66.0 99.0#

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#60

o-Xylene

Concen: 0.334 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. -0.00 min

Lab File: VL034948.D

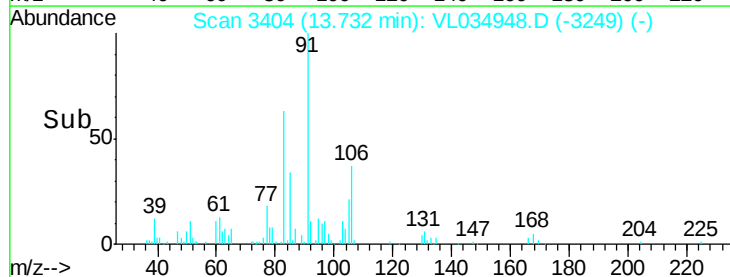
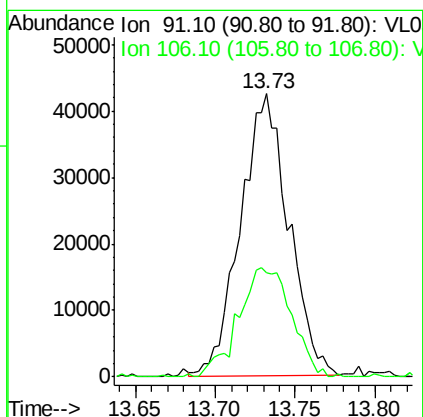
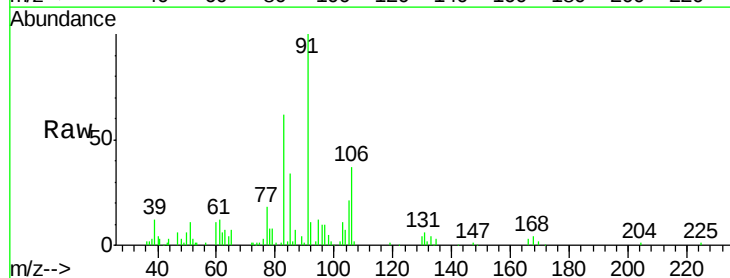
Acq: 6 May 2020 18:55

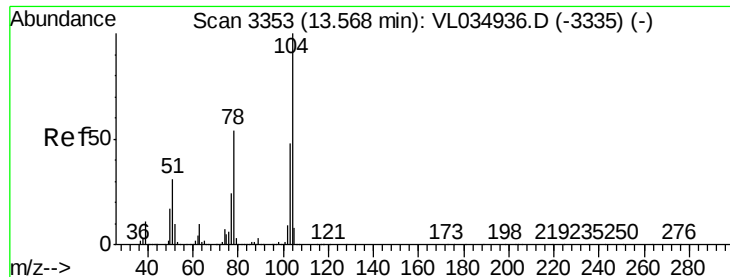
Tgt Ion: 91 Resp: 87455

Ion Ratio Lower Upper

91 100

106 42.6 21.9 65.5





#61

Stvrene

Concen: 0.241 ppbv m

RT: 13.56 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

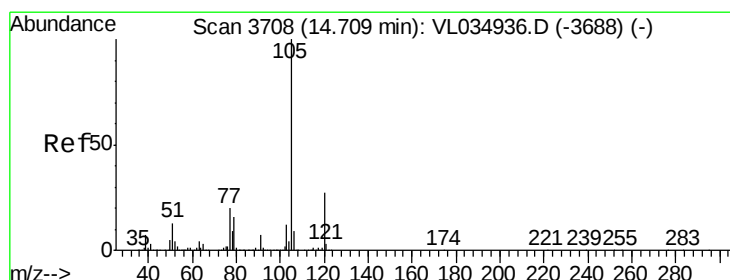
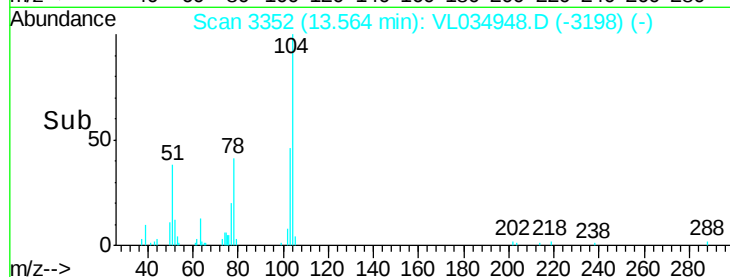
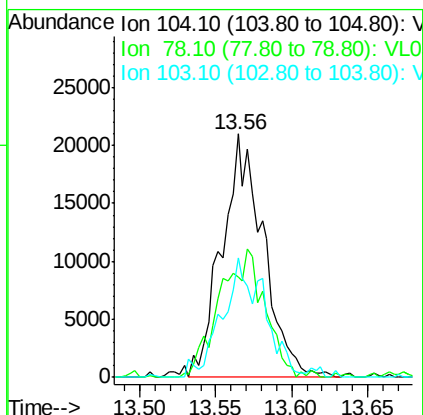
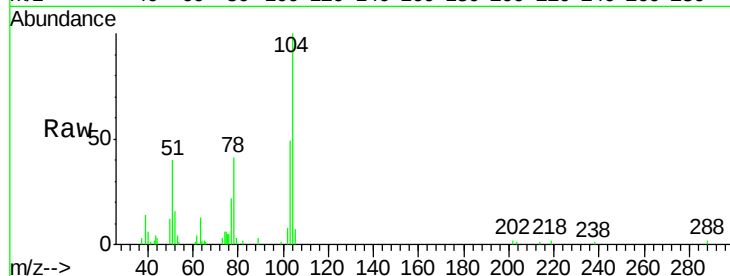
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.7	65.5#
103	51.4	38.8	58.2

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#62

Isopropylbenzene

Concen: 0.351 ppbv

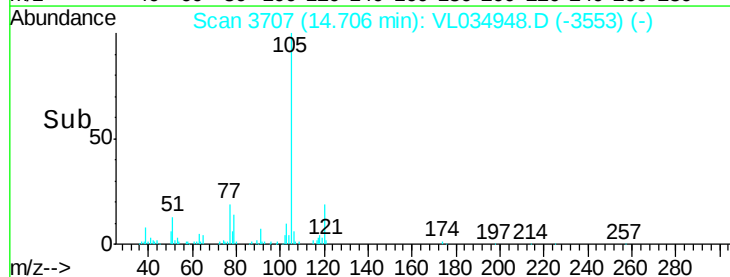
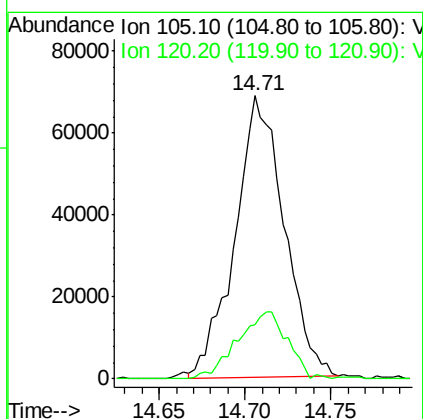
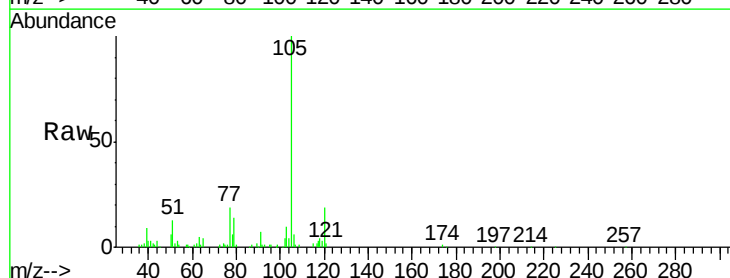
RT: 14.71 min Scan# 3707

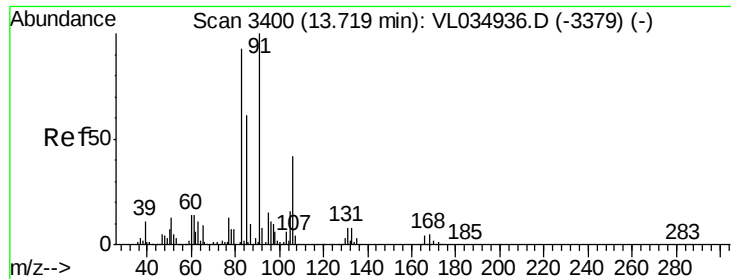
Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.438 ppbv m

RT: 13.71 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

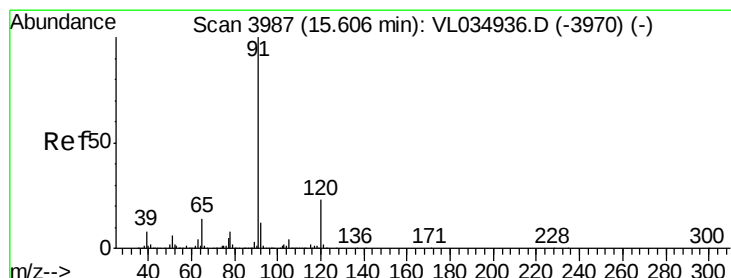
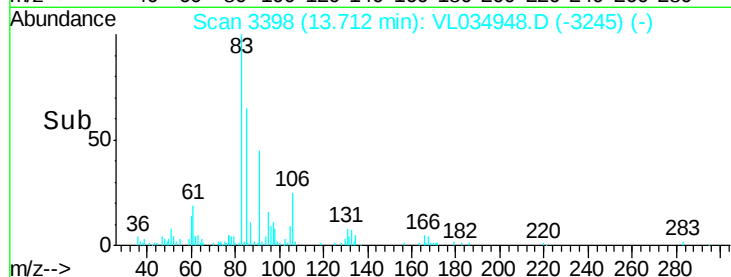
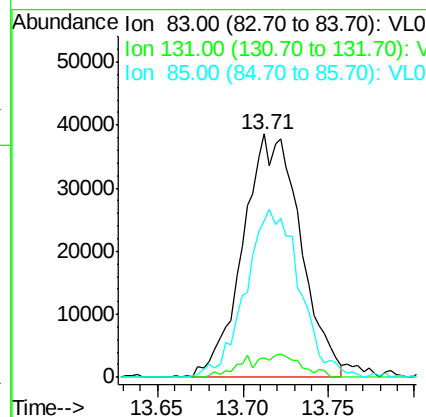
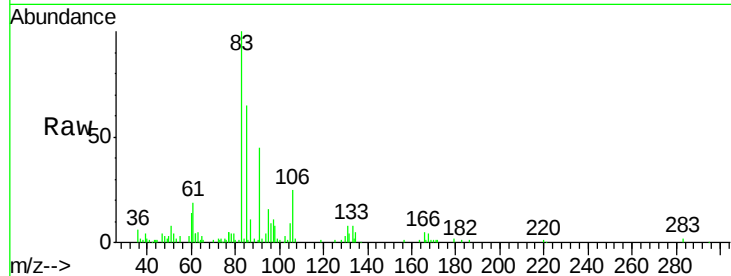
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	83	Resp:	90132
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	0.0	32.5	97.4#

Manual Integrations
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#64

n-propylbenzene

Concen: 0.336 ppbv m

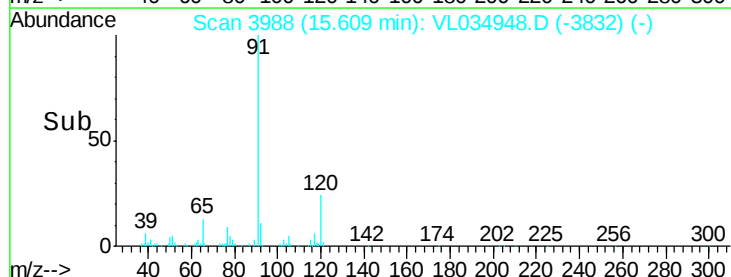
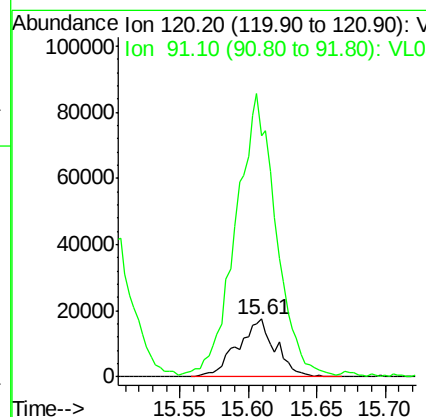
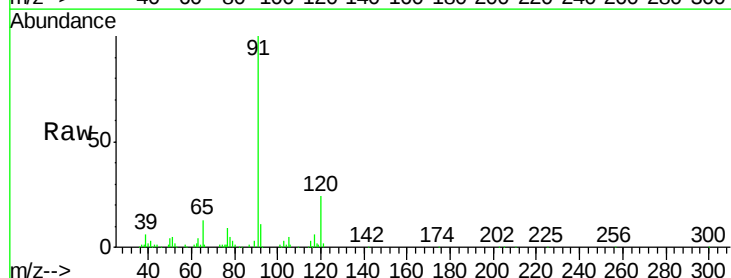
RT: 15.61 min Scan# 3988

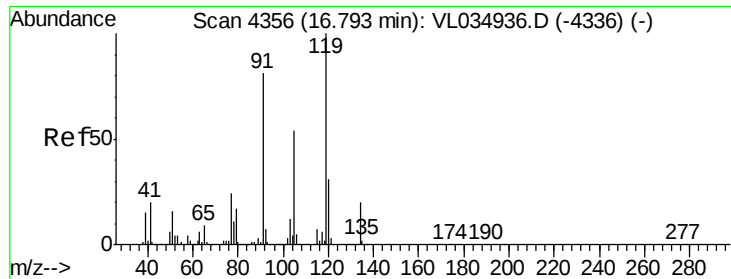
Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	120	Resp:	33676
Ion Ratio	Lower	Upper	
120	100		
91	525.2	373.5	560.3





#65

tert-Butylbenzene

Concen: 0.335 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

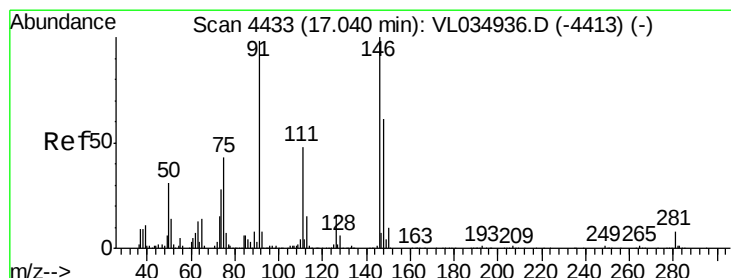
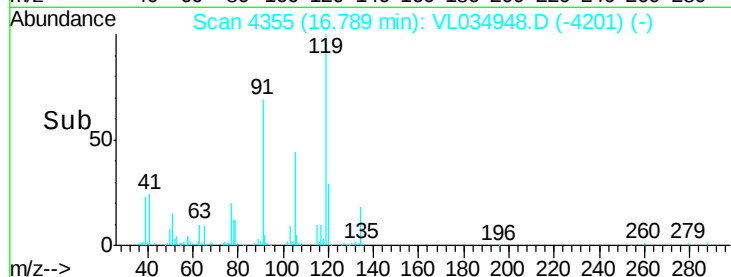
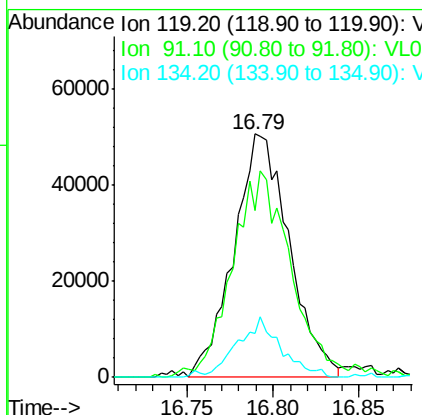
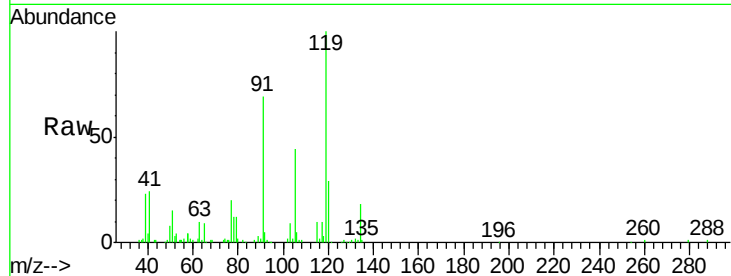
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	119	Resp:	113462
Ion Ratio	Lower	Upper	
119	100		
91	92.0	67.5	101.3
134	20.0	16.1	24.1

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#66

Benzyl Chloride

Concen: 0.301 ppbv m

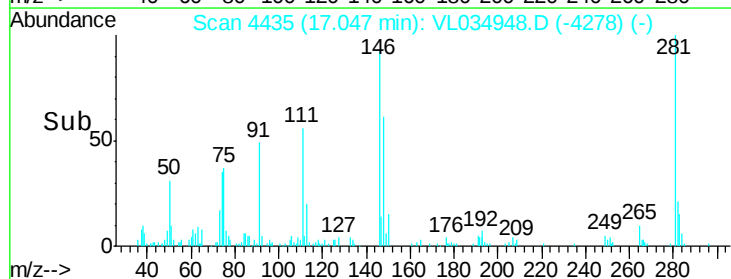
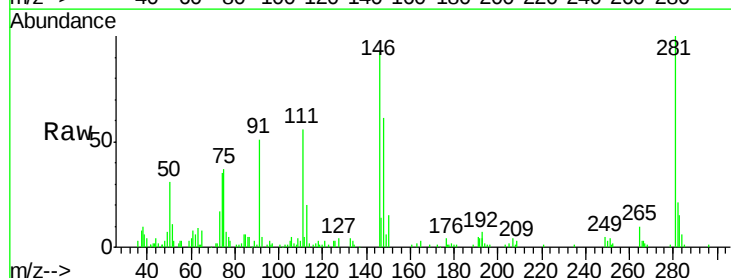
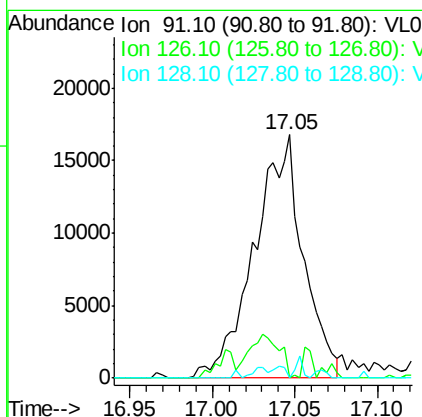
RT: 17.05 min Scan# 4435

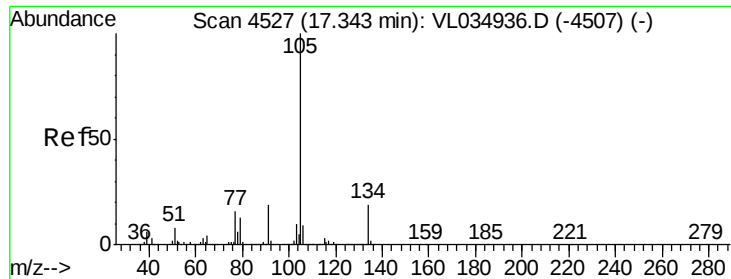
Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	91	Resp:	34592
Ion Ratio	Lower	Upper	
91	100		
126	18.7	13.8	20.6
128	0.0	4.3	6.5#





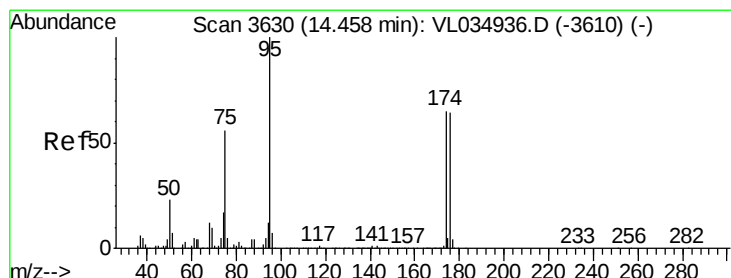
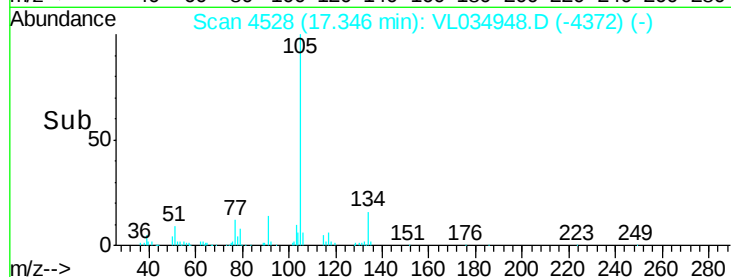
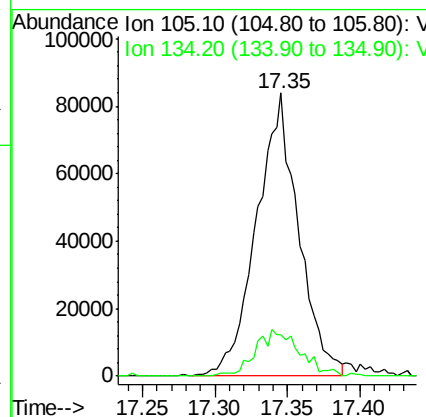
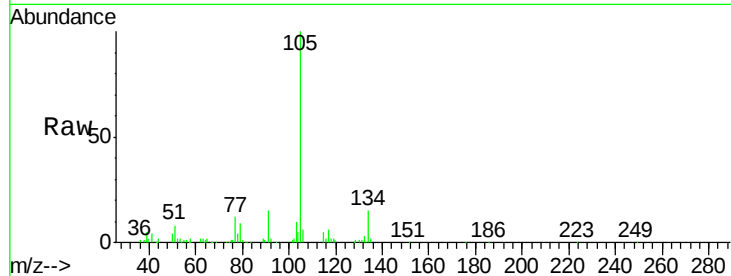
#67
 sec-Butylbenzene
 Concen: 0.350 ppbv
 RT: 17.35 min Scan# 4528
 Delta R.T. 0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.8	22.2

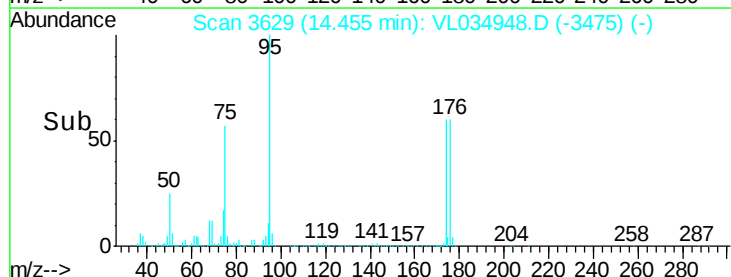
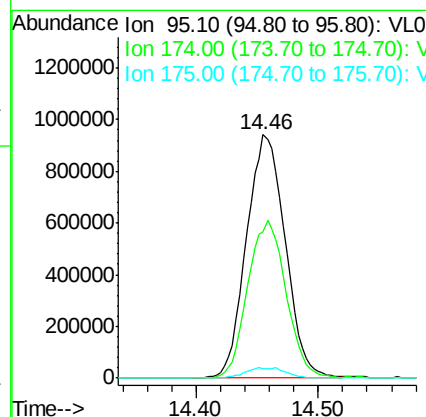
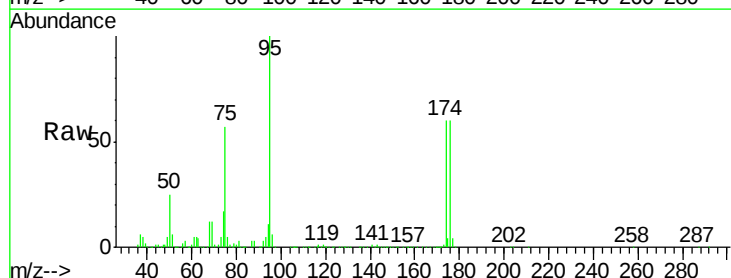
Manual Integrations
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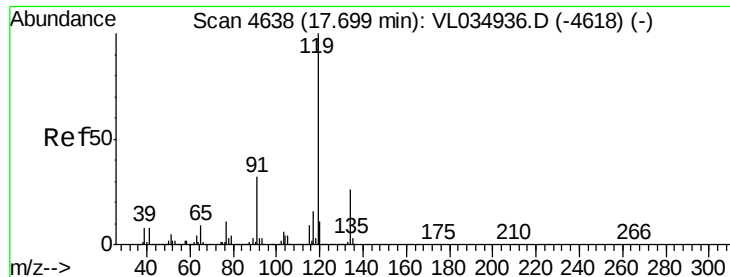
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.456 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.8	51.5	77.3
175	4.5	3.8	5.8





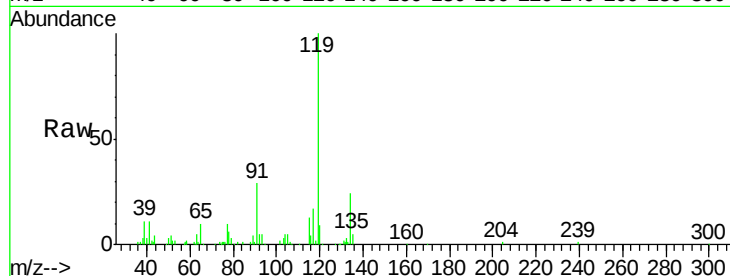
#69
p-Isopropyltoluene
Concen: 0.316 ppbv m
RT: 17.70 min Scan# 4639
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

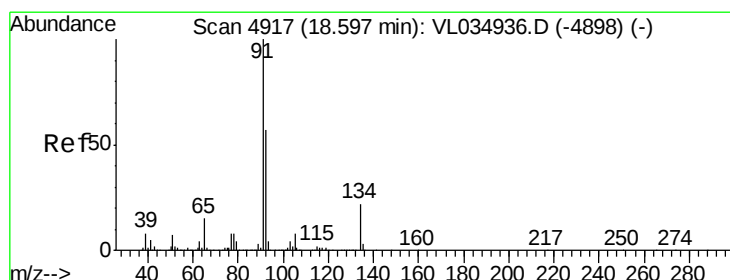
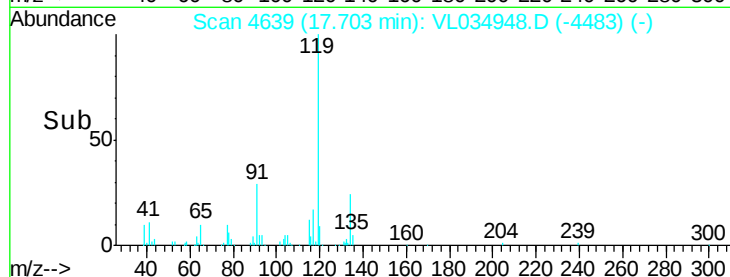
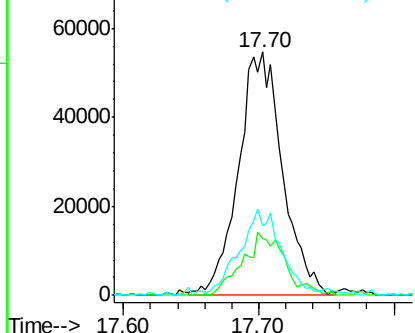
Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	24.8	20.3	30.5
91	34.7	24.6	36.8

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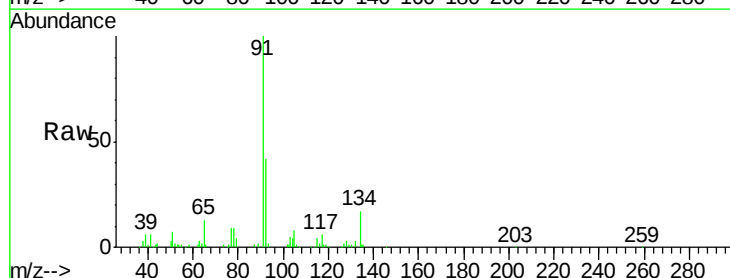


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

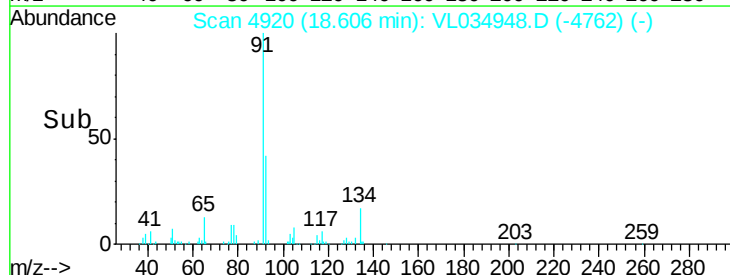
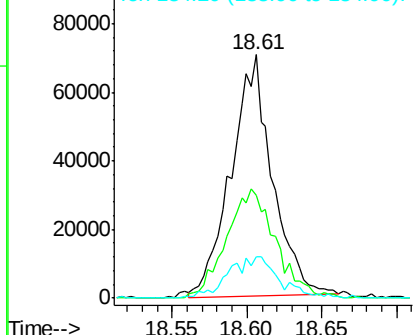


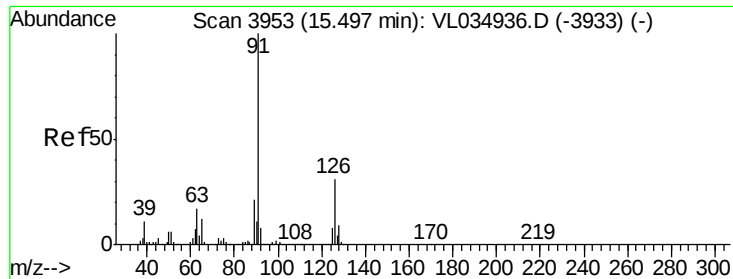
#70
n-Butylbenzene
Concen: 0.325 ppbv
RT: 18.61 min Scan# 4920
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	54.1	44.4	66.6
134	21.4	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.328 ppbv m

RT: 15.50 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion: 91 Resp: 96717

Ion Ratio Lower Upper

91 100

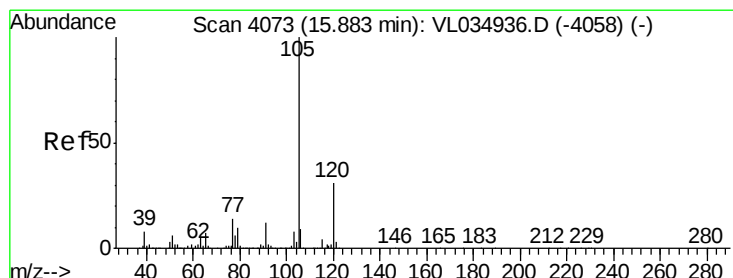
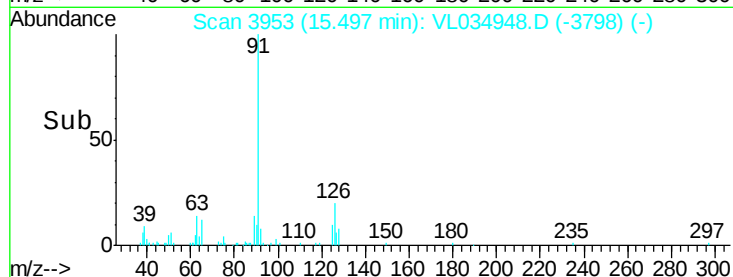
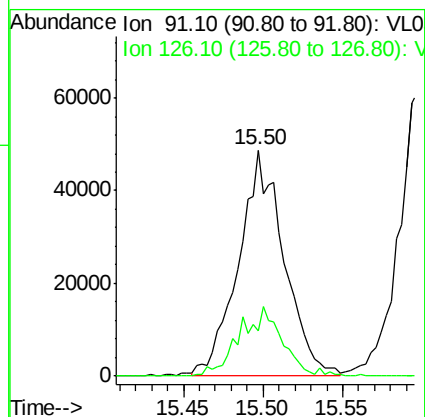
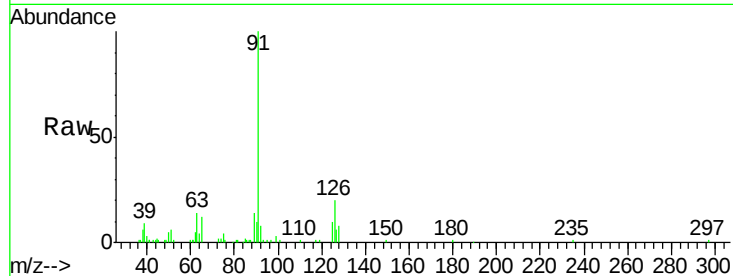
126 29.0 12.0 47.8

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#72

4-Ethyltoluene

Concen: 0.296 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion: 105 Resp: 86229

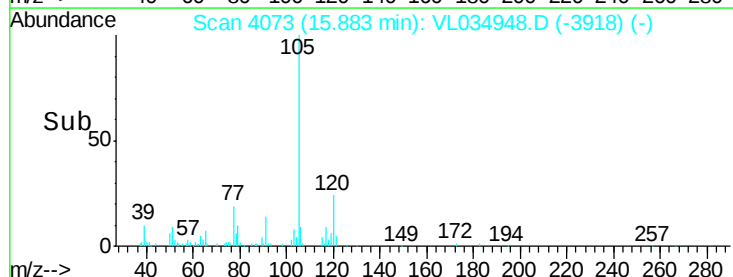
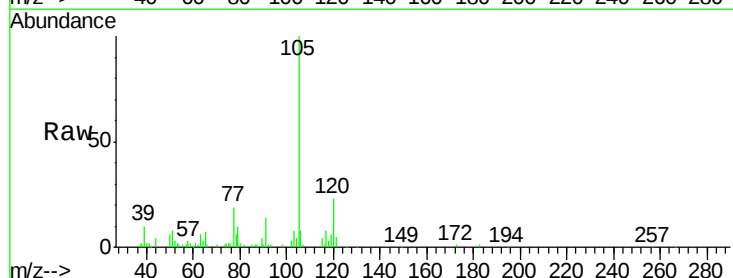
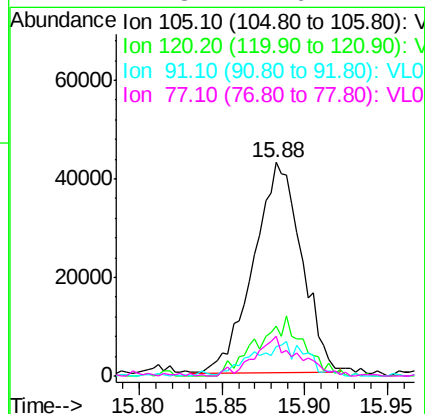
Ion Ratio Lower Upper

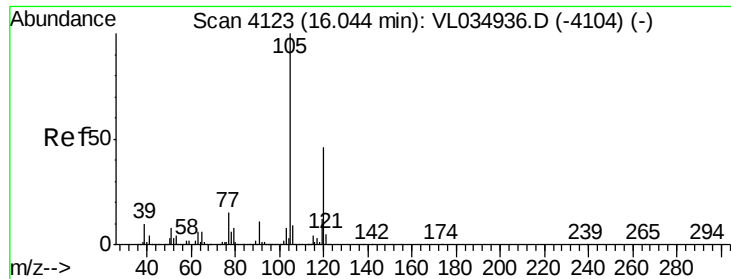
105 100

120 27.6 23.8 35.8

91 18.1 10.6 15.8#

77 17.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.315 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:105 Resp: 89526

Ion Ratio Lower Upper

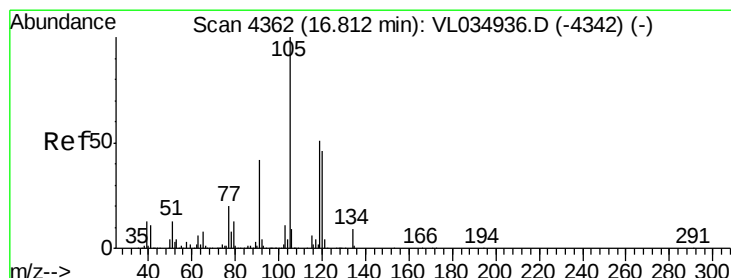
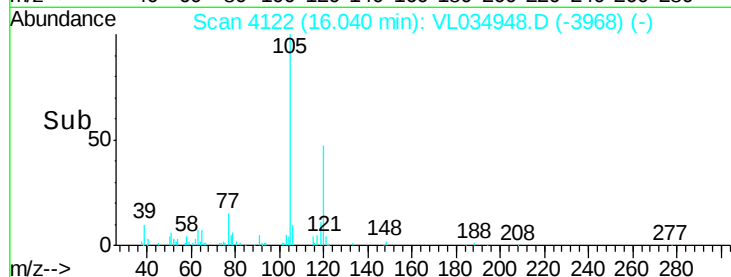
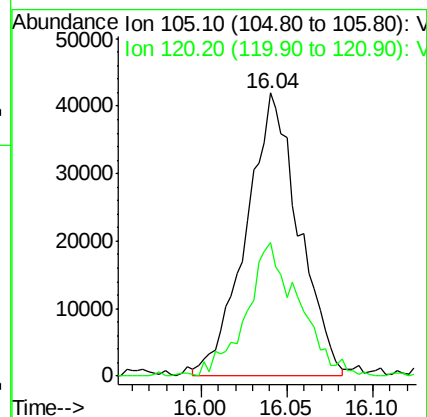
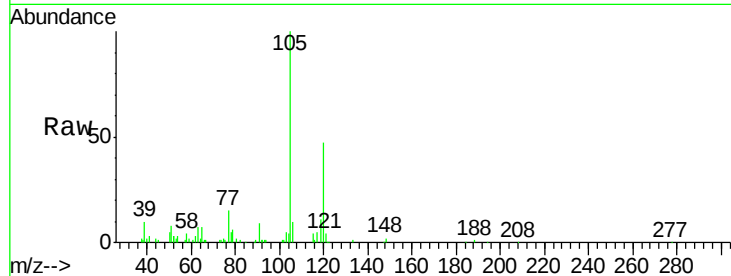
105 100

120 47.7 36.4 54.6

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#74

1,2,4-Trimethylbenzene

Concen: 0.364 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:105 Resp: 112819

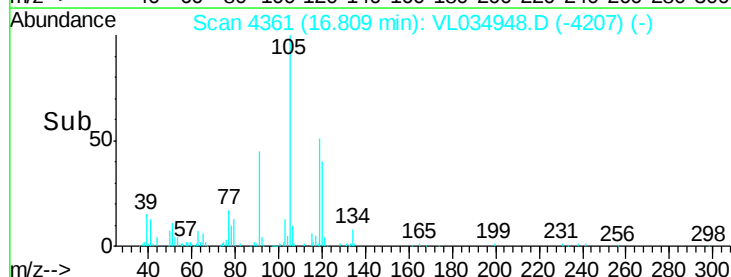
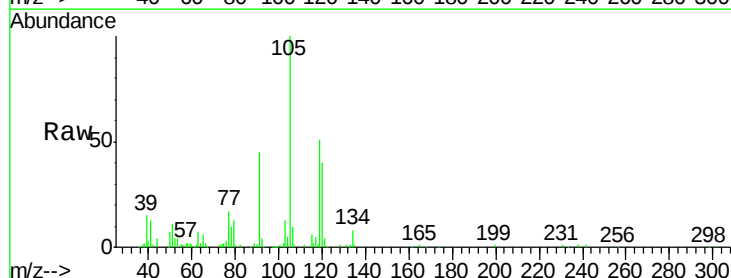
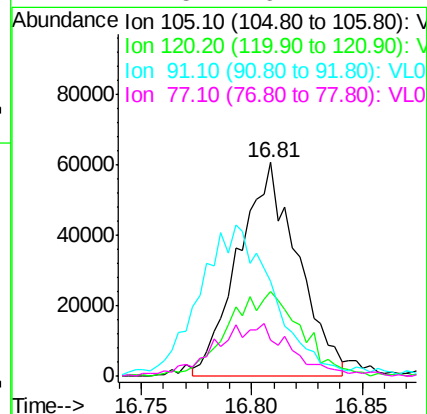
Ion Ratio Lower Upper

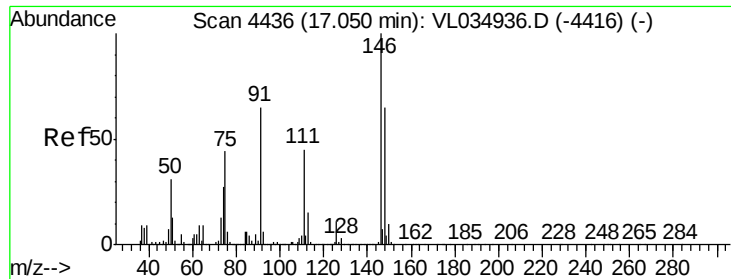
105 100

120 37.8 36.8 55.2

91 43.1 35.4 53.0

77 14.5 16.2 24.2#





#75

1,3-Dichlorobenzene

Concen: 0.460 ppbv m

RT: 17.05 min Scan# 4437

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

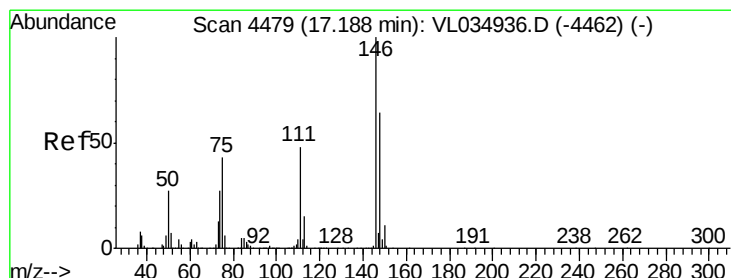
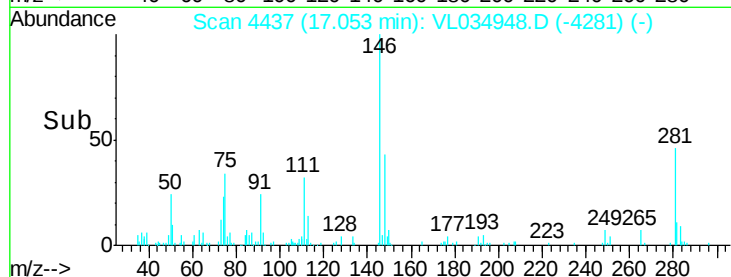
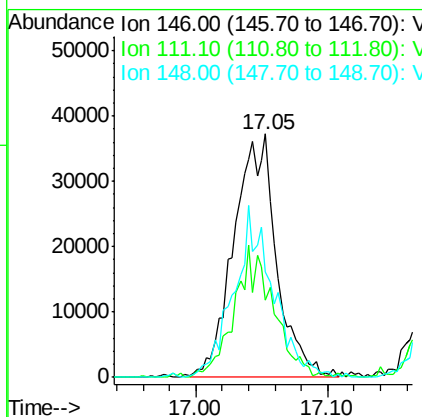
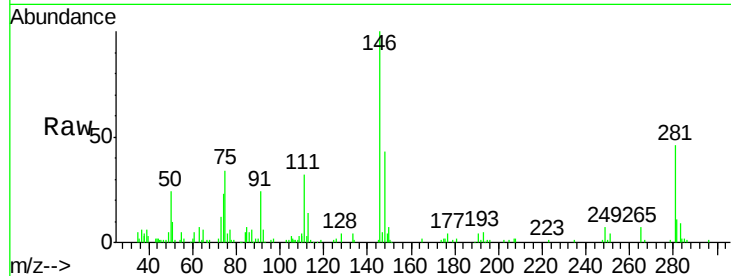
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	146	Resp:	83721
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.0	72.0#
148	0.0	32.6	97.7#

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#76

1,4-Dichlorobenzene

Concen: 0.396 ppbv m

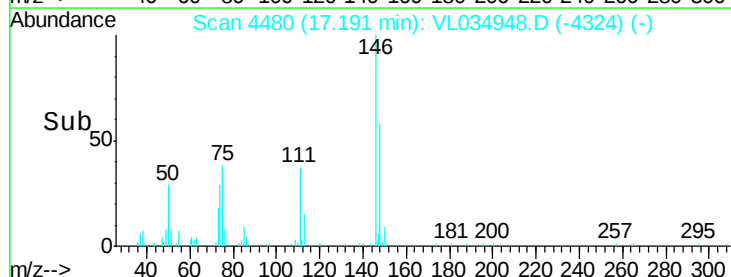
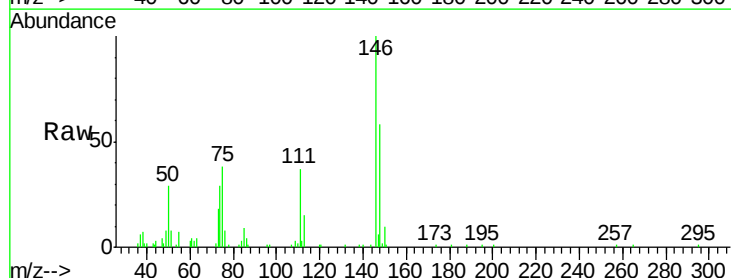
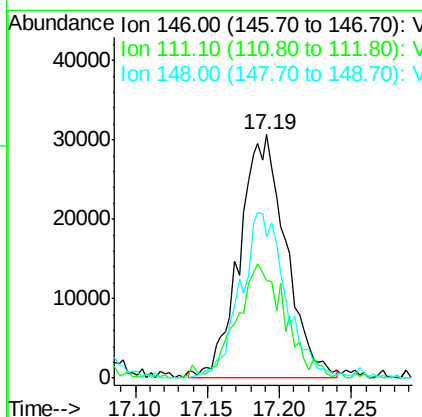
RT: 17.19 min Scan# 4480

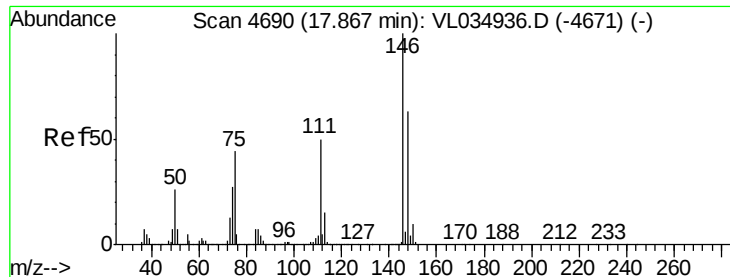
Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	146	Resp:	68487
Ion Ratio	Lower	Upper	
146	100		
111	49.6	23.7	71.1
148	66.0	32.6	97.8





#77

1,2-Dichlorobenzene

Concen: 0.408 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

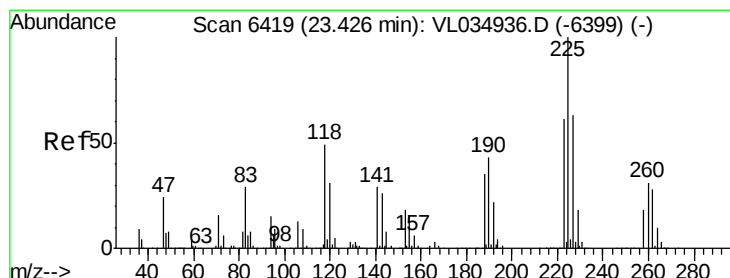
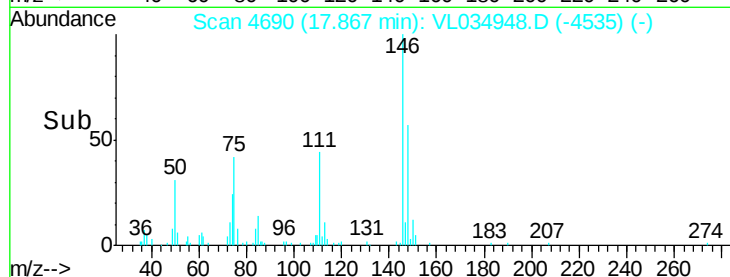
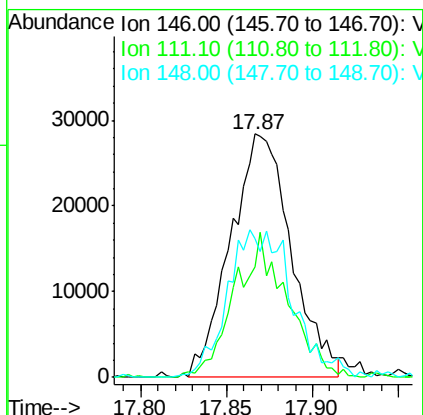
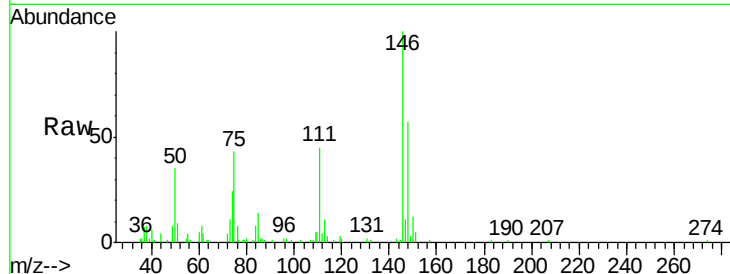
ClientSampleId :

LOD-MDL-AIR-01-QT2-2020

Tot Ion:	146	Resp:	69896
Ion	Ratio	Lower	Upper
146	100		
111	51.6	24.5	73.5
148	64.2	31.7	95.1

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#78

Hexachloro-1,3-Butadiene

Concen: 0.411 ppbv

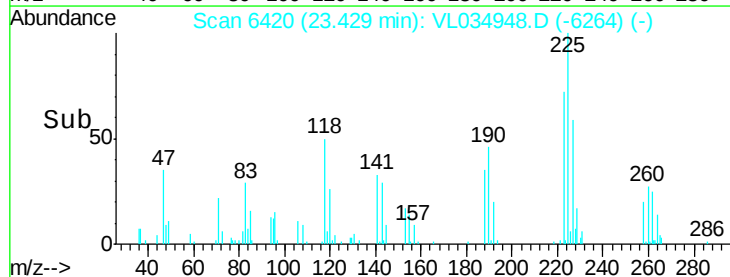
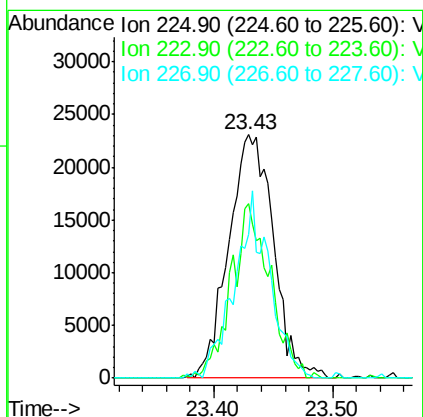
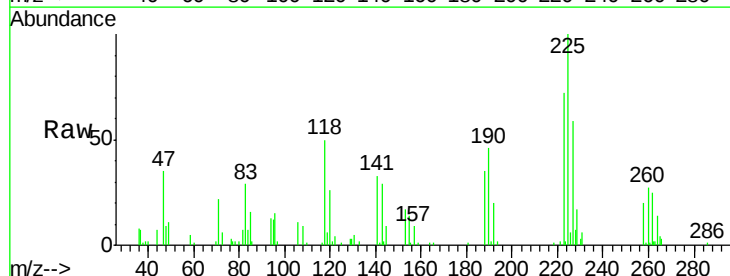
RT: 23.43 min Scan# 6420

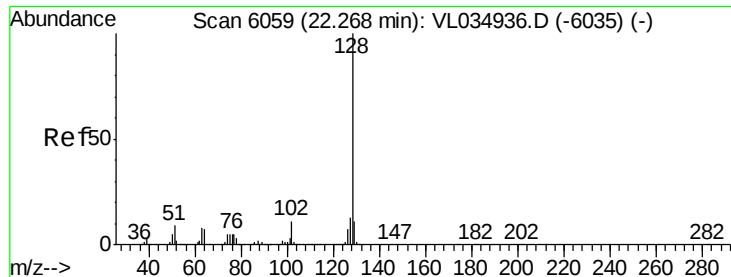
Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	225	Resp:	60093
Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.8	74.8
227	0.0	51.8	77.6#





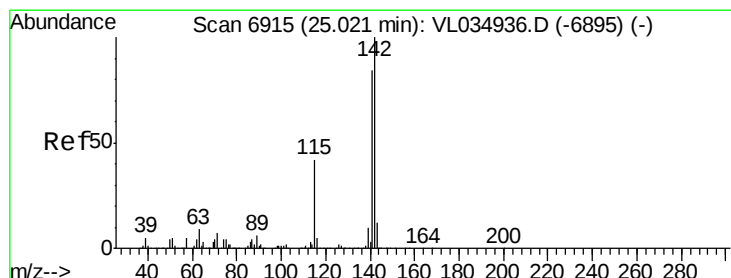
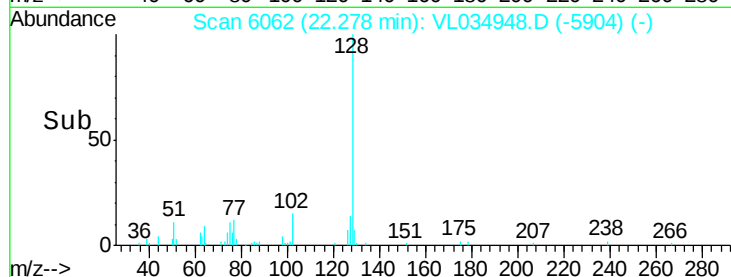
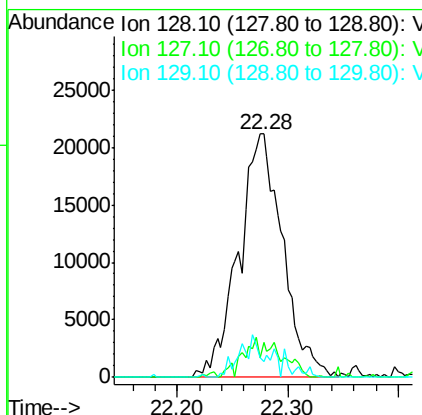
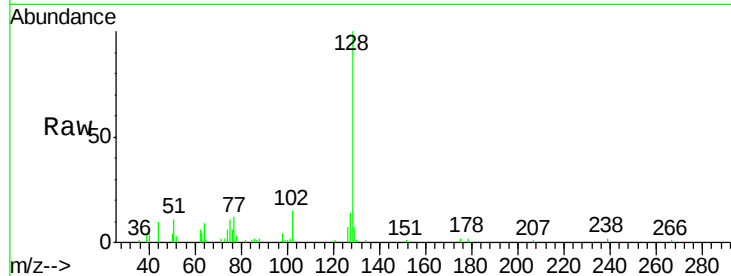
#79
Naphthalene
Concen: 0.243 ppbv m
RT: 22.28 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	6.5	9.0	13.4

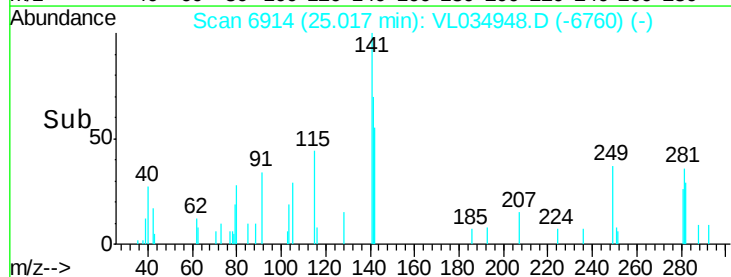
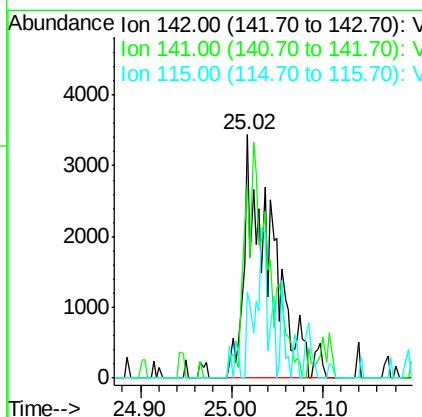
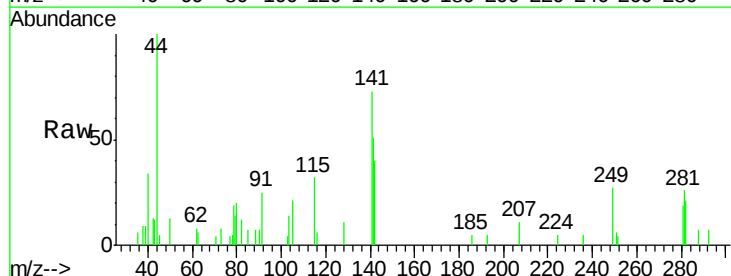
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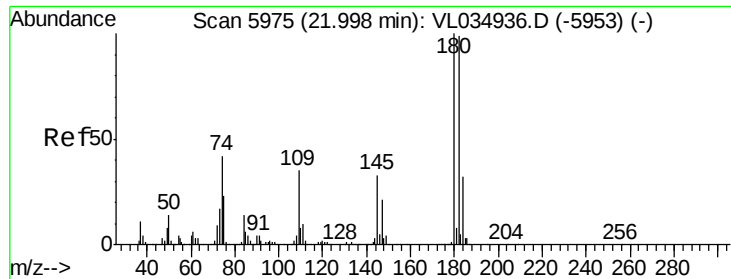
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#80
Naphthalene, 2-methyl-
Concen: 0.123 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	68.6	102.8
115	32.5	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.338 ppbv m
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	77.5	116.3
184	31.2	24.8	37.2

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