

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032218.D
 Acq On : 6 Jul 2018 00:38
 Operator : SY/AP
 Sample : J3762-13 0.1 PPB LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:44 AM

Quant Time: Jul 06 12:26:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1541366	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3572799	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3805331	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2924637	10.05	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	30943	0.15	ppbv	91
3) Chlorodifluoromethane	3.07	51	20907	0.11	ppbv	93
4) Chloromethane	3.23	50	11699	0.12	ppbv	91
5) Vinyl Chloride	3.35	62	10116	0.10	ppbv #	76
6) Bromomethane	3.58	94	6186m	0.11	ppbv	
7) Chloroethane	3.65	64	4201m	0.12	ppbv	
8) Dichlorotetrafluoroethane	3.27	85	26846	0.12	ppbv	88
9) Propene	3.09	41	7146	0.08	ppbv	90
10) Heptane	8.33	43	20103m	0.08	ppbv	
11) Trichlorofluoromethane	4.07	101	25567	0.12	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.62	101	15932m	0.11	ppbv	
14) Bromoethene	3.85	108	5694	0.08	ppbv #	90
15) Acetone	3.99	43	29640	0.16	ppbv	93
16) 1,3-Butadiene	3.42	39	9007m	0.10	ppbv	
17) tert-Butyl alcohol	4.47	59	8844m	0.08	ppbv	
18) 1,1-Dichloroethene	4.42	96	7494m	0.11	ppbv	
19) Isopropyl Alcohol	4.12	45	14757m	0.10	ppbv	
20) Methylene Chloride	4.48	84	10806m	0.16	ppbv	
21) Allvl Chloride	4.55	41	11778m	0.10	ppbv	
22) trans-1,2-Dichloroethene	5.04	96	7937m	0.11	ppbv	
23) Vinyl Acetate	5.24	43	26500m	0.08	ppbv	
24) 1,1-Dichloroethane	5.17	63	21978	0.10	ppbv	98
25) Ethyl Acetate	5.86	43	38066m	0.10	ppbv	
26) Hexane	5.86	57	18154	0.11	ppbv #	94
27) Carbon Disulfide	4.70	76	11070m	0.06	ppbv	
28) Methyl tert-Butyl Ether	5.22	73	23522	0.08	ppbv	95
29) Chloroform	5.93	83	29504	0.12	ppbv	94
30) Cyclohexane	7.36	84	18773m	0.12	ppbv	
31) cis-1,2-Dichloroethene	5.73	61	16257m	0.09	ppbv	
32) 1,1,1-Trichloroethane	6.71	97	27202	0.10	ppbv #	88
34) 2-Butanone	5.43	43	24913m	0.11	ppbv	
35) Carbon Tetrachloride	7.22	117	27226m	0.11	ppbv	
36) Benzene	7.09	78	38412m	0.11	ppbv	
37) 1,2-Dichloroethane	6.50	62	26110m	0.15	ppbv	
38) Trichloroethene	8.04	130	12806m	0.09	ppbv	
39) 1,2-Dichloropropane	7.83	63	15799m	0.12	ppbv	
41) Tetrahydrofuran	6.27	42	11957m	0.09	ppbv	
42) Bromodichloromethane	8.01	83	26711m	0.10	ppbv	
43) Methyl Methacrylate	8.23	69	11781m	0.08	ppbv	
44) 2,2,4-Trimethylpentane	8.08	57	46974	0.08	ppbv #	88
45) t-1,3-Dichloropropene	9.50	75	11152m	0.06	ppbv	

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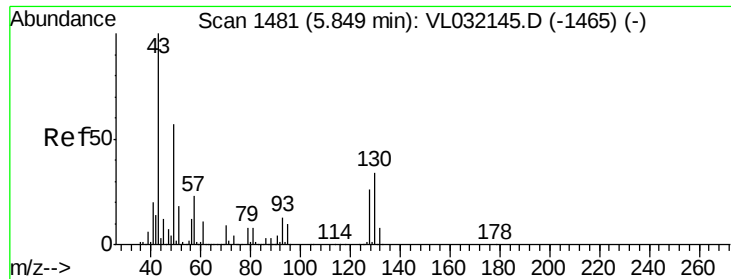
Manual Integrations
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Quant Time: Jul 06 12:26:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.93	75	14450m	0.07	ppbv	
47) 1,1,2-Trichloroethane	9.71	97	20424m	0.14	ppbv	
48) Dibromochloromethane	10.54	129	21136m	0.10	ppbv	
49) Bromoform	13.30	173	14006m	0.08	ppbv	
50) 4-Methyl-2-Pentanone	9.00	43	29886m	0.08	ppbv	
51) 2-Hexanone	10.41	43	27726m	0.09	ppbv	
52) Tetrachloroethene	11.46	164	15008m	0.12	ppbv	
53) Toluene	10.04	91	37258	0.09	ppbv	99
54) 1,2-Dibromoethane	10.86	107	25249m	0.12	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.38	131	17673m	0.10	ppbv	
57) Chlorobenzene	12.40	112	44578m	0.14	ppbv	
58) Ethyl Benzene	12.95	91	53909m	0.09	ppbv	
59) m/p-Xylene	13.24	91	84358m	0.17	ppbv	
60) o-Xylene	13.94	91	42823m	0.09	ppbv	
61) Styrene	13.78	104	26740m	0.07	ppbv	
62) Isopropylbenzene	14.92	105	60253	0.08	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	44493m	0.12	ppbv	
64) n-propylbenzene	15.81	120	14698m	0.08	ppbv	
65) tert-Butylbenzene	17.01	119	47439m	0.07	ppbv	
67) sec-Butylbenzene	17.56	105	78267m	0.08	ppbv	
69) p-Isopropyltoluene	17.92	119	51701m	0.07	ppbv	
70) n-Butylbenzene	18.81	91	61906m	0.08	ppbv	
71) 2-Chlorotoluene	15.71	91	47219m	0.08	ppbv	
72) 4-Ethyltoluene	16.09	105	44525m	0.07	ppbv	
73) 1,3,5-Trimethylbenzene	16.26	105	40075m	0.07	ppbv	
74) 1,2,4-Trimethylbenzene	17.02	105	44554	0.07	ppbv #	78
75) 1,3-Dichlorobenzene	17.26	146	40617m	0.12	ppbv	
76) 1,4-Dichlorobenzene	17.40	146	32263m	0.09	ppbv	
77) 1,2-Dichlorobenzene	18.08	146	34091m	0.10	ppbv	
78) Hexachloro-1,3-Butadiene	23.64	225	14922m	0.13	ppbv	
79) Naphthalene	22.53	128	23855m	0.04	ppbv	
81) 1,2,4-Trichlorobenzene	22.26	180	13997m	0.06	ppbv	

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032218.D

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Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 49 Resp: 1541366

Ion Ratio Lower Upper

49 100

128 42.7 23.4 70.0

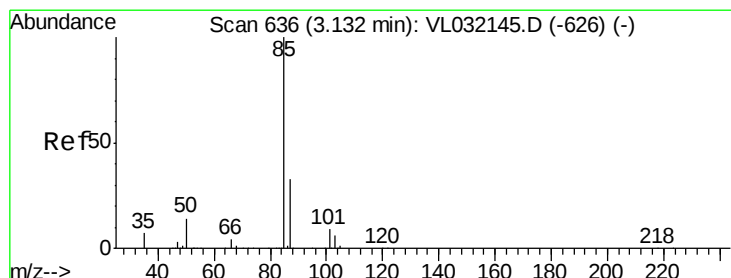
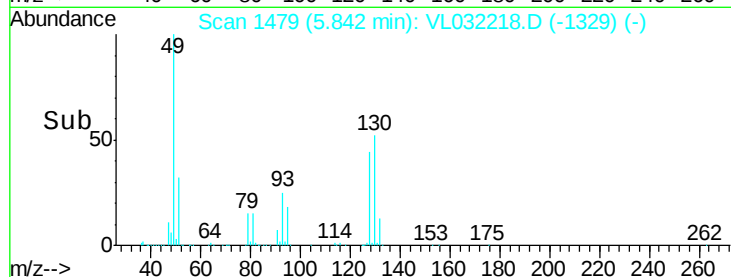
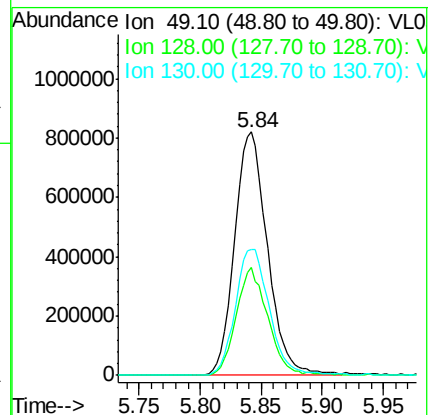
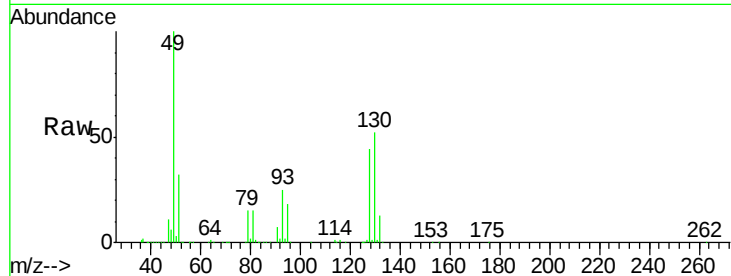
130 54.1 30.3 90.9

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#2

Dichlorodifluoromethane

Concen: 0.15 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL032218.D

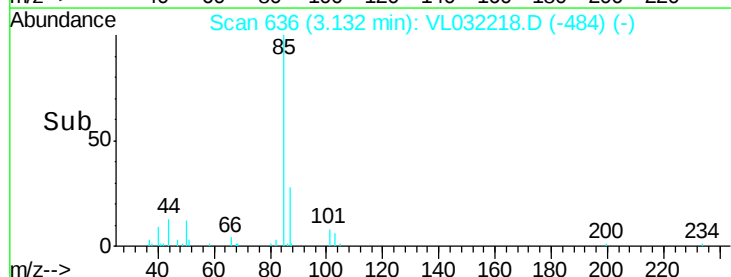
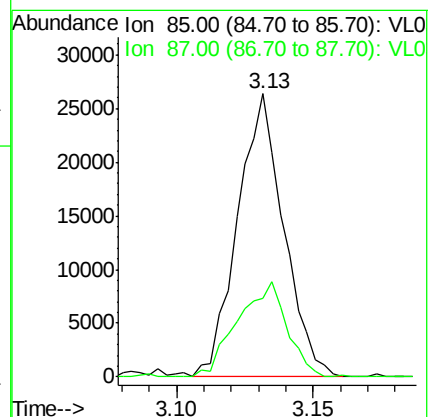
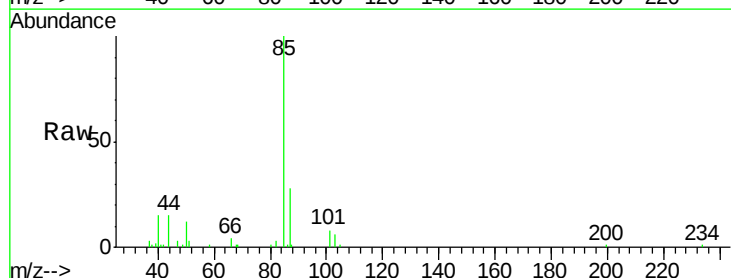
Acq: 6 Jul 2018 00:38

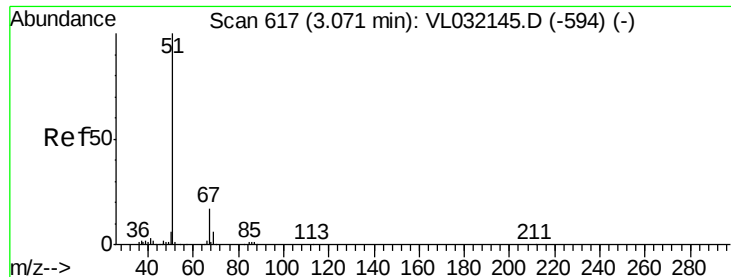
Tgt Ion: 85 Resp: 30943

Ion Ratio Lower Upper

85 100

87 28.4 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.11 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 51 Resp: 20907

Ion Ratio Lower Upper

51 100

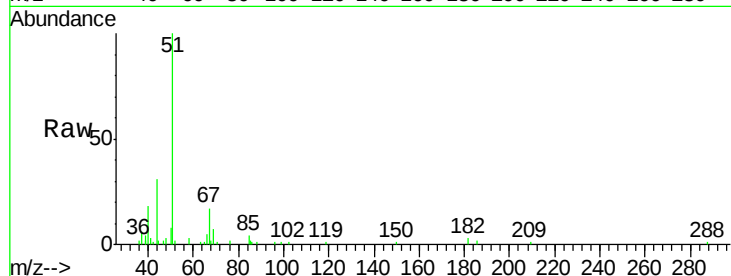
67 19.3 13.2 19.8

Manual Integrations

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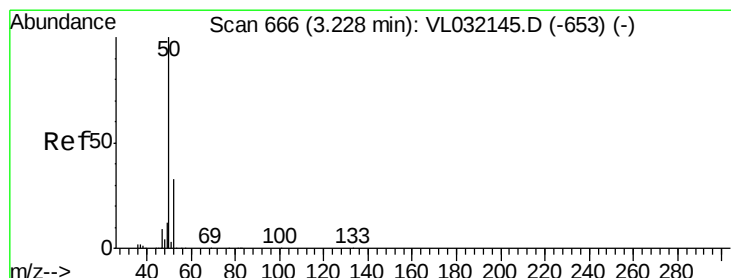
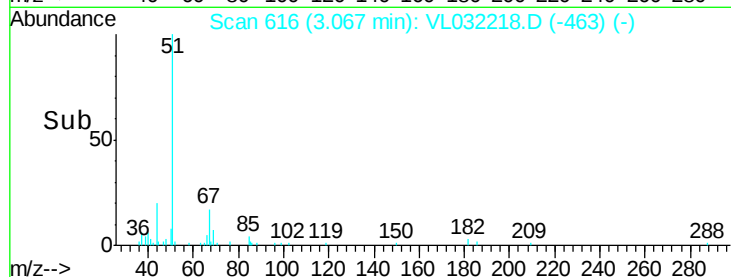
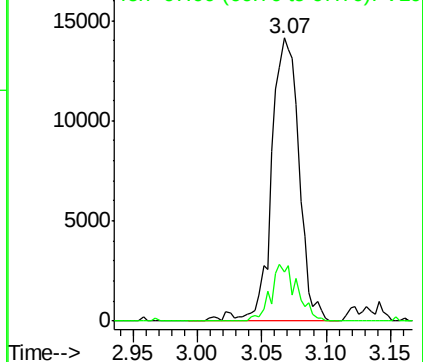
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.12 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032218.D

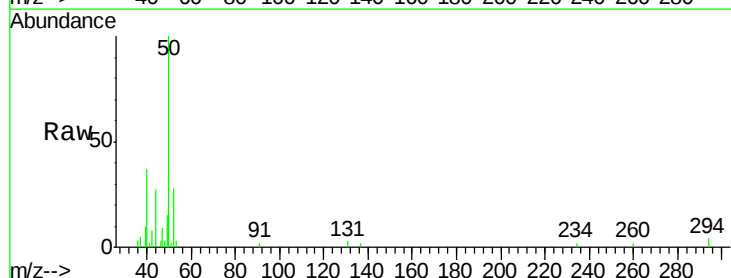
Acq: 6 Jul 2018 00:38

Tgt Ion: 50 Resp: 11699

Ion Ratio Lower Upper

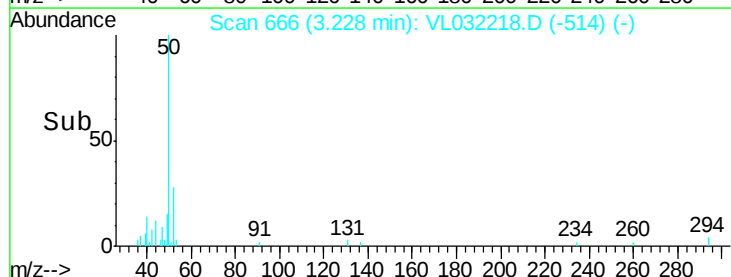
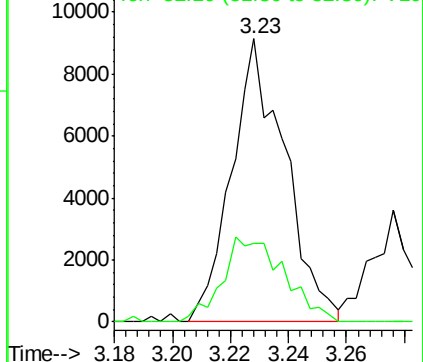
50 100

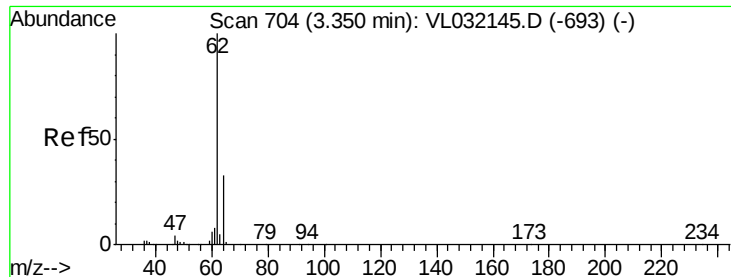
52 27.6 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.10 ppbv

RT: 3.35 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

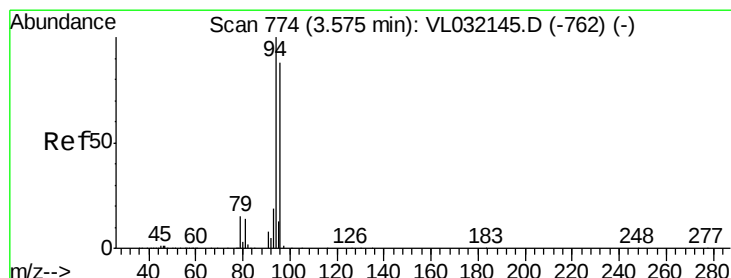
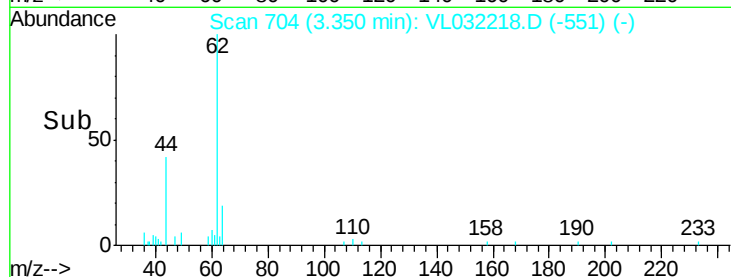
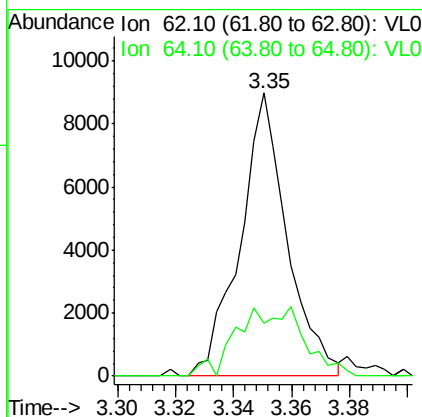
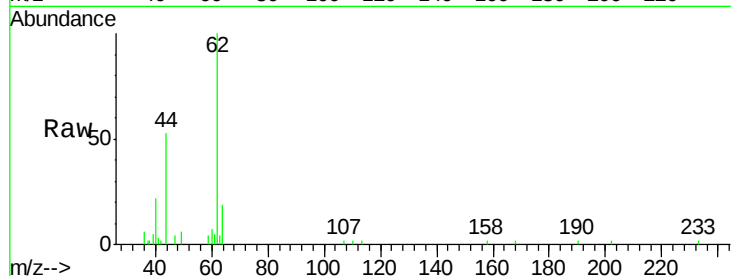
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion	62.10	Resp:	10116
Ion	Ratio	Lower	Upper
62	100		
64	18.9	26.1	39.1#

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#6

Bromomethane

Concen: 0.11 ppbv m

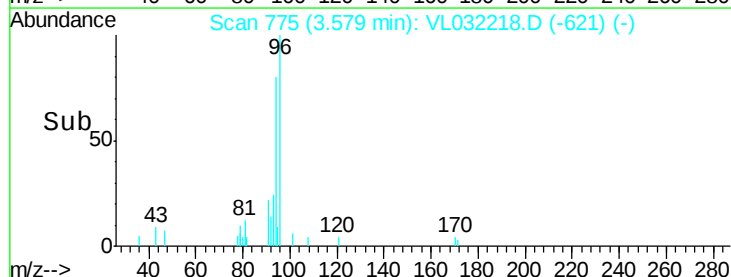
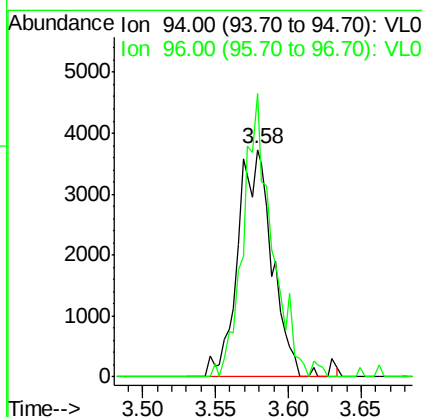
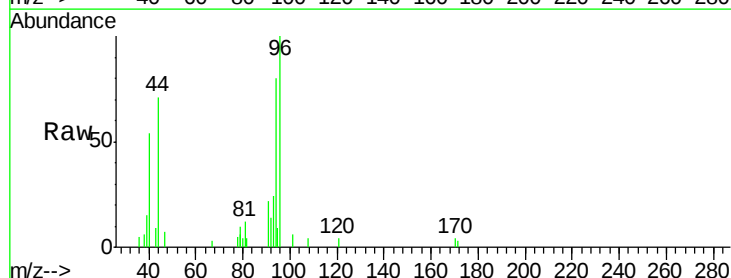
RT: 3.58 min Scan# 775

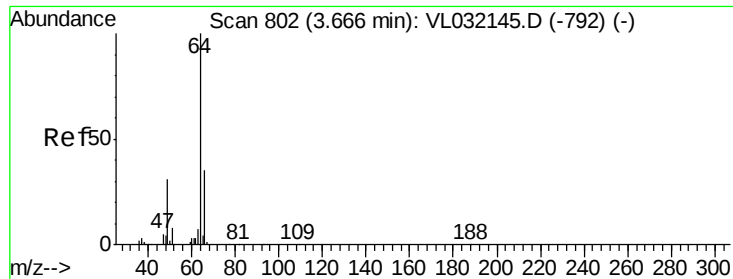
Delta R.T. -0.01 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion	94	Resp:	6186
Ion	Ratio	Lower	Upper
94	100		
96	124.7	74.7	112.1#





#7

Chloroethane

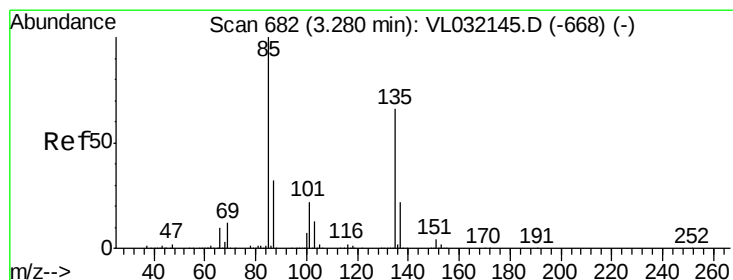
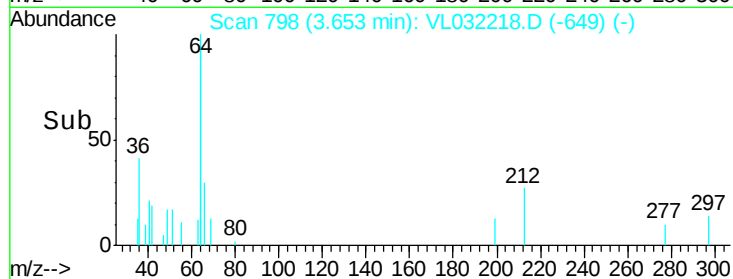
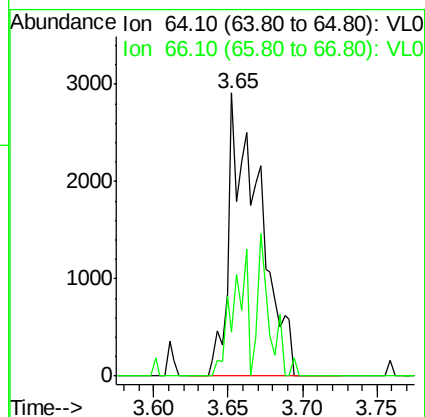
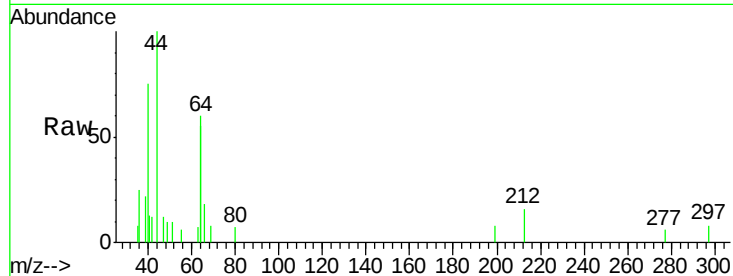
Concen: 0.12 ppbv m
RT: 3.65 min Scan# 798
Delta R.T. -0.02 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion: 64 Resp: 4201
Ion Ratio Lower Upper
64 100
66 29.9 26.9 40.3

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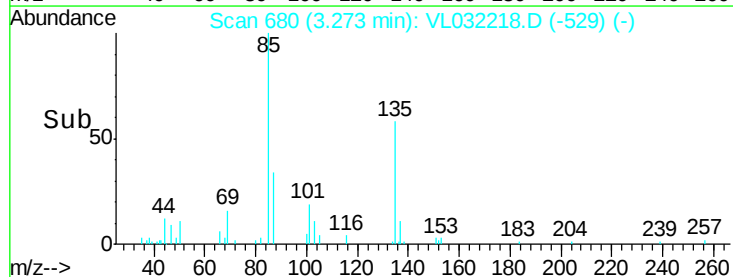
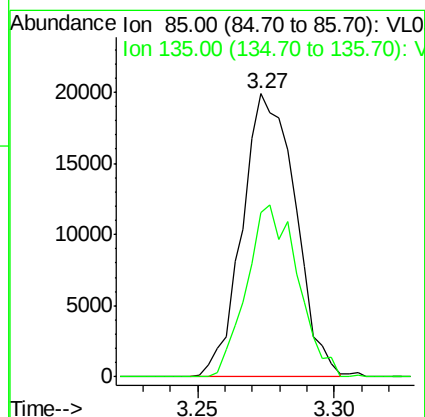
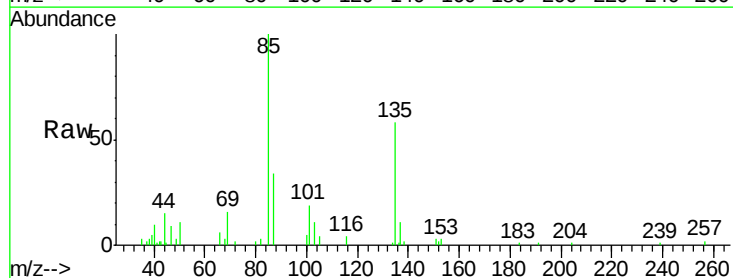


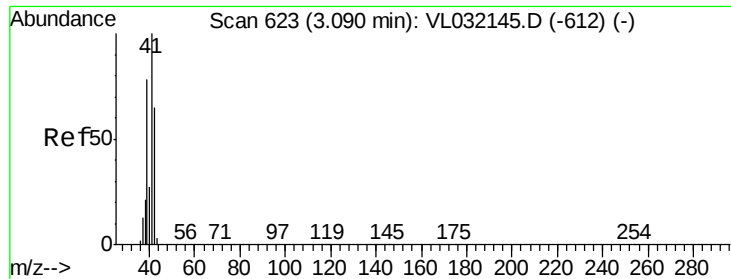
#8

Dichlorotetrafluoroethane

Concen: 0.12 ppbv
RT: 3.27 min Scan# 680
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion: 85 Resp: 26846
Ion Ratio Lower Upper
85 100
135 58.4 54.6 82.0





#9

Propene

Concen: 0.08 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.01 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 41 Resp: 7146

Ion Ratio Lower Upper

41 100

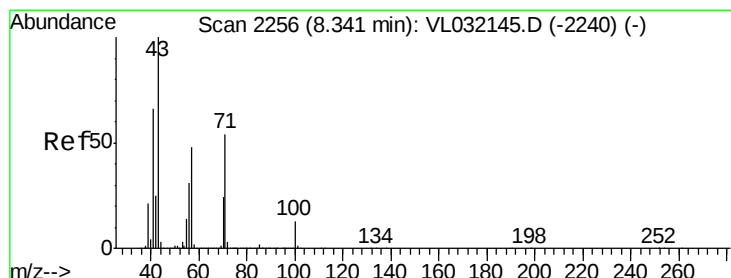
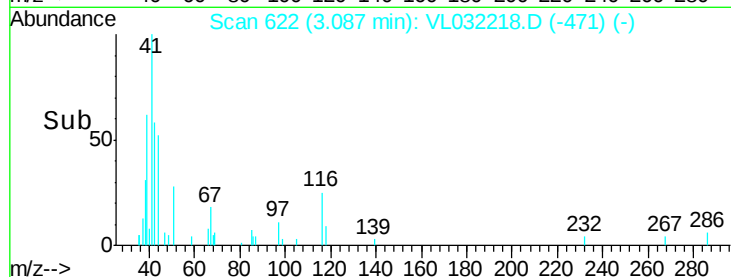
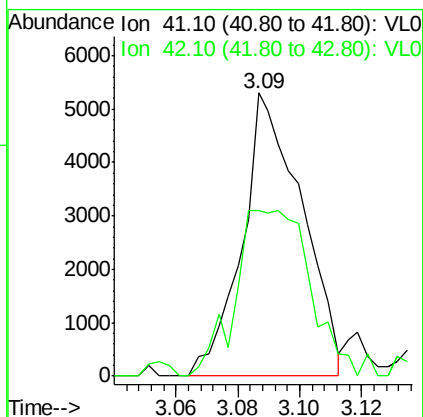
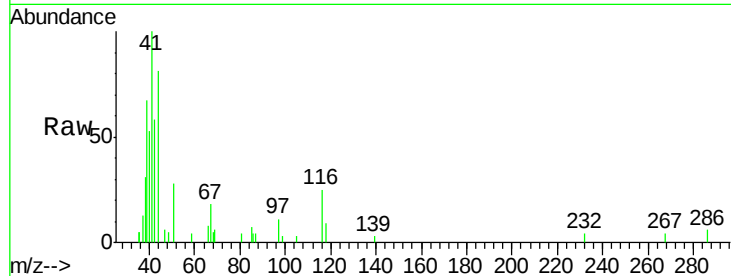
42 78.8 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 0.08 ppbv m

RT: 8.33 min Scan# 2254

Delta R.T. -0.02 min

Lab File: VL032218.D

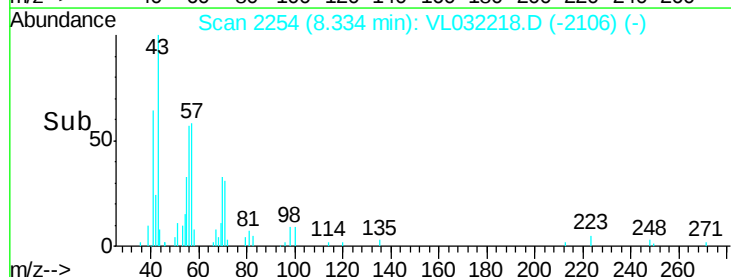
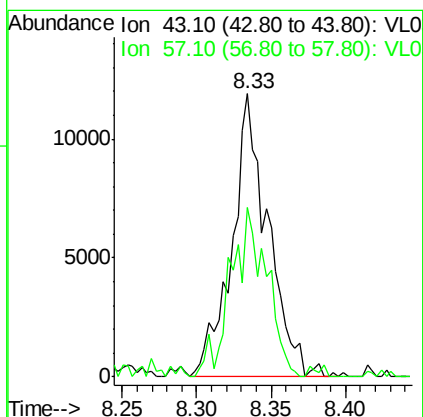
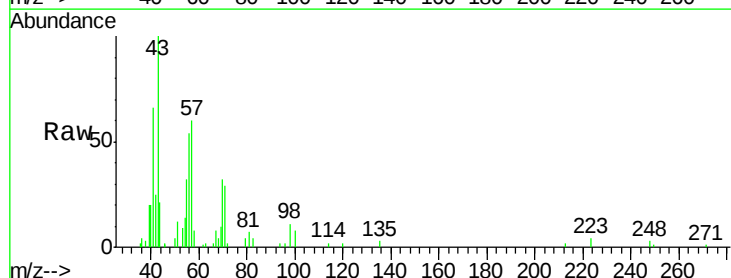
Acq: 6 Jul 2018 00:38

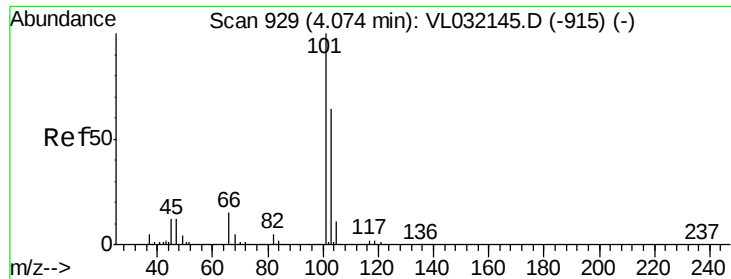
Tgt Ion: 43 Resp: 20103

Ion Ratio Lower Upper

43 100

57 61.0 39.8 59.8#





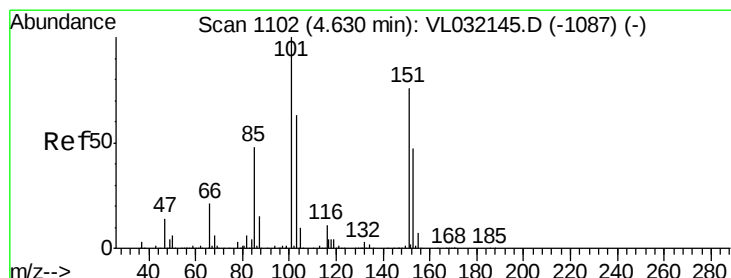
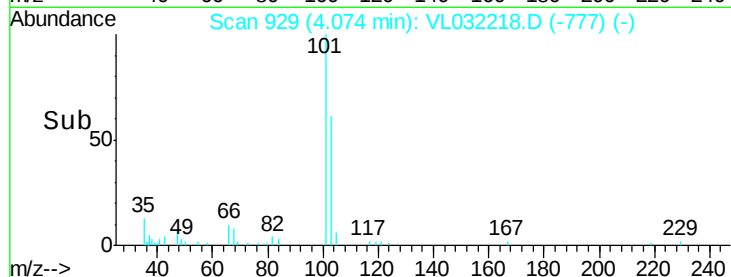
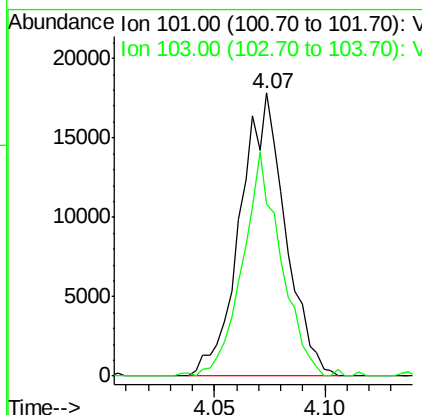
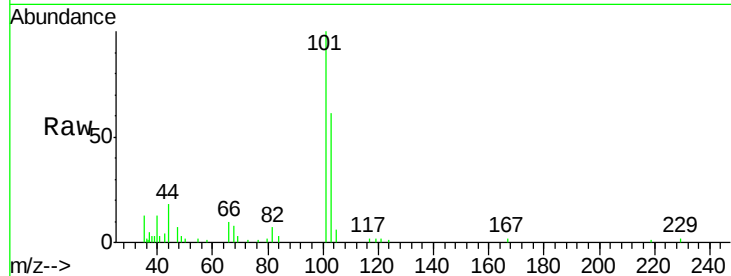
#11
 Trichlorofluoromethane
 Concen: 0.12 ppbv
 RT: 4.07 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion:101 Resp: 25567
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.4 77.0

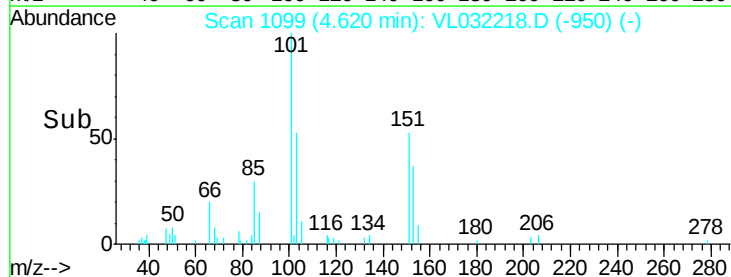
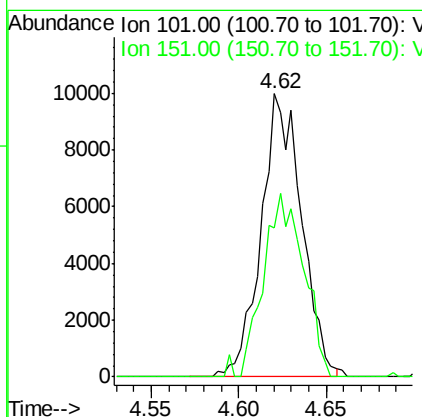
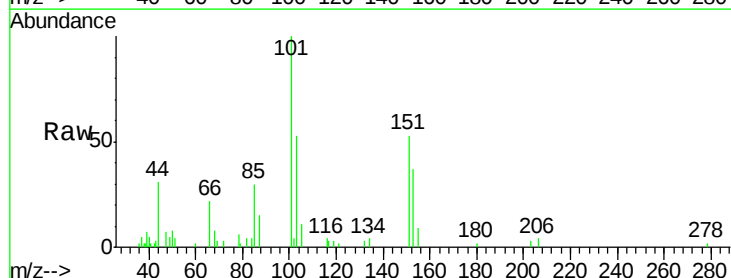
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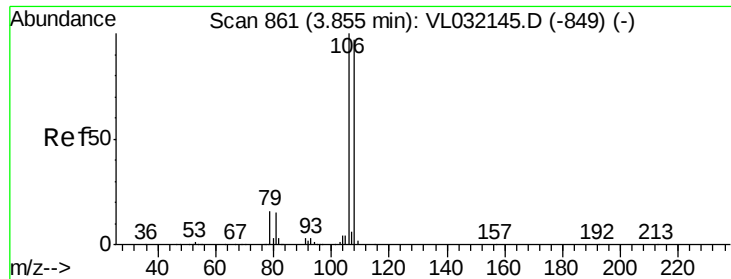
MMDadoda
 7/9/2018 10:47:44 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.11 ppbv m
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Tgt Ion:101 Resp: 15932
 Ion Ratio Lower Upper
 101 100
 151 65.5 58.8 88.2





#14

Bromoethene

Concen: 0.08 ppbv

RT: 3.85 min Scan# 859

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

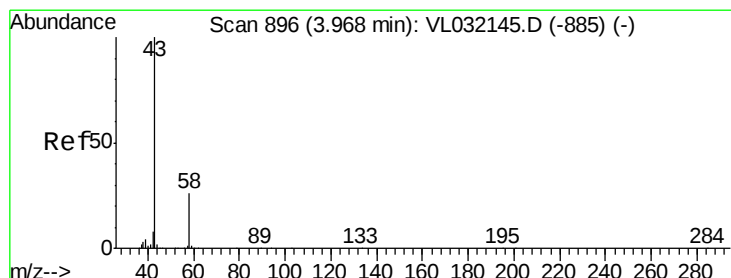
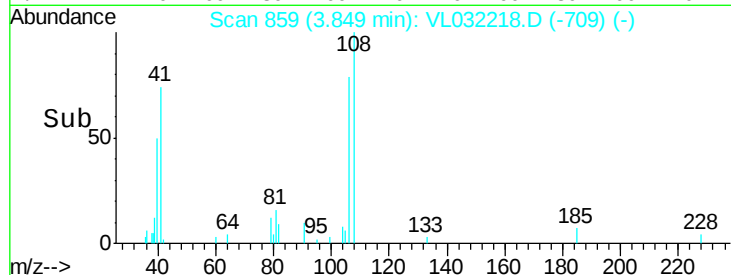
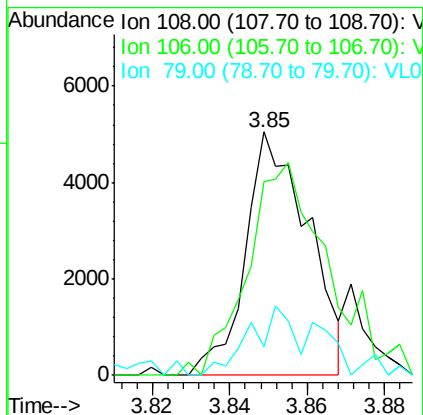
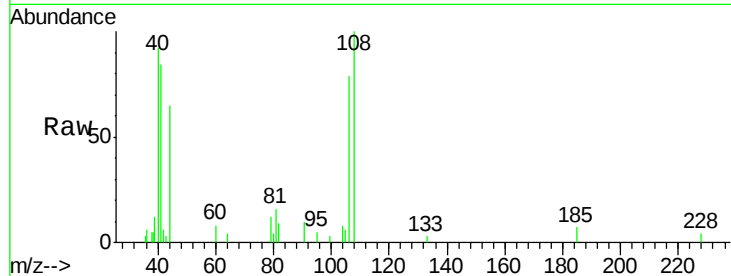
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	108	Resp:	5694
Ion	Ratio	Lower	Upper
108	100		
106	112.2	86.3	129.5
79	37.2	12.7	19.1#

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#15

Acetone

Concen: 0.16 ppbv

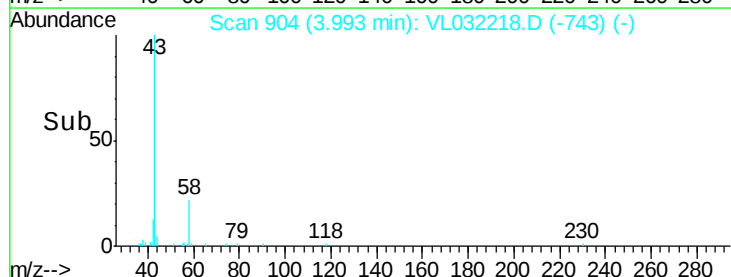
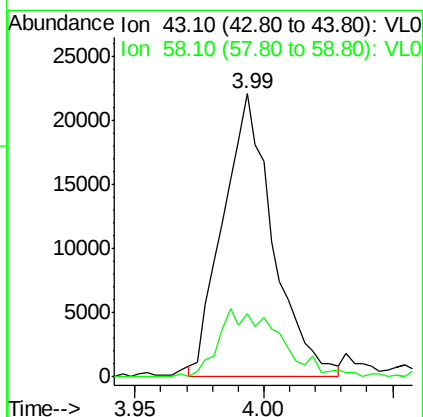
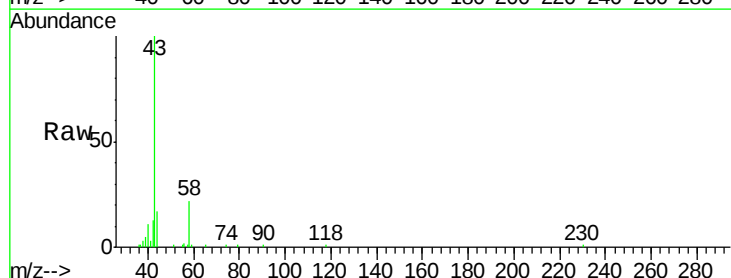
RT: 3.99 min Scan# 904

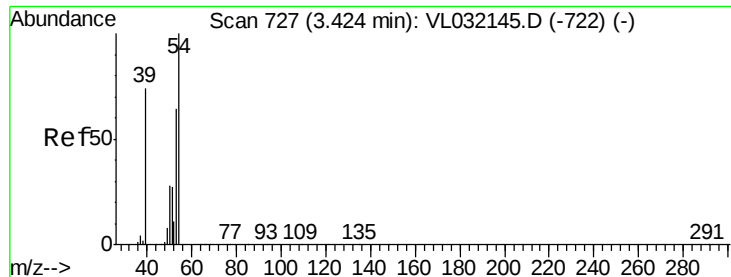
Delta R.T. 0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	43	Resp:	29640
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.4	32.0





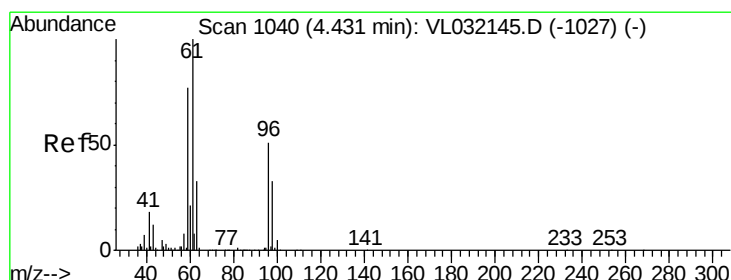
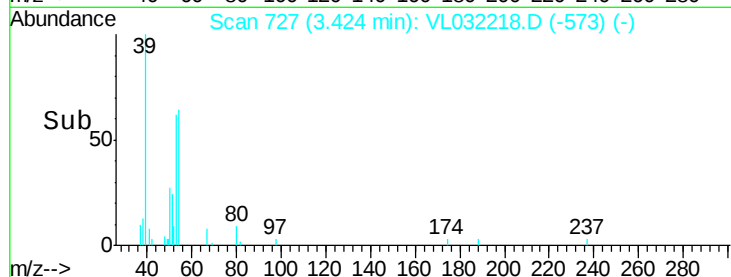
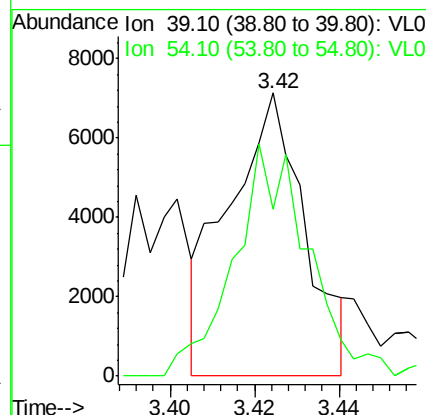
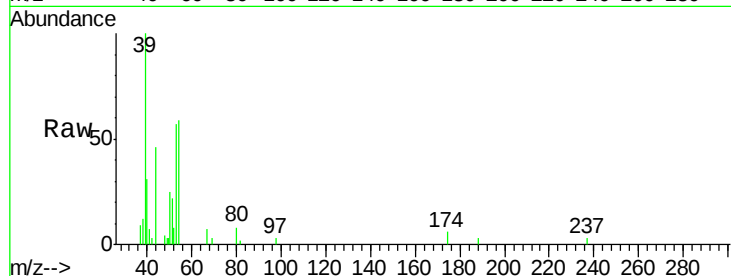
#16
1,3-Butadiene
Concen: 0.10 ppbv m
RT: 3.42 min Scan# 727
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion: 39 Resp: 9007
Ion Ratio Lower Upper
39 100
54 79.7 75.8 113.6

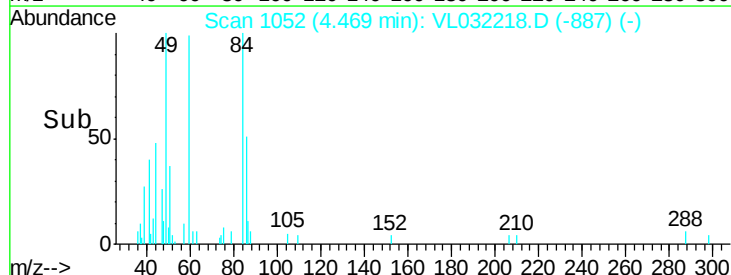
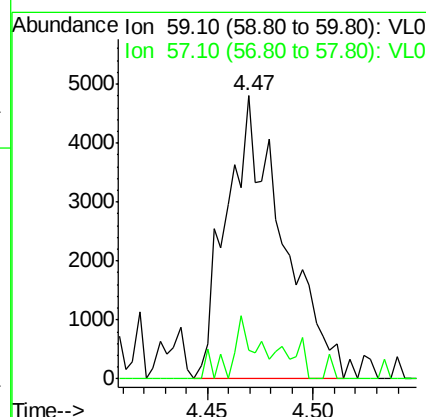
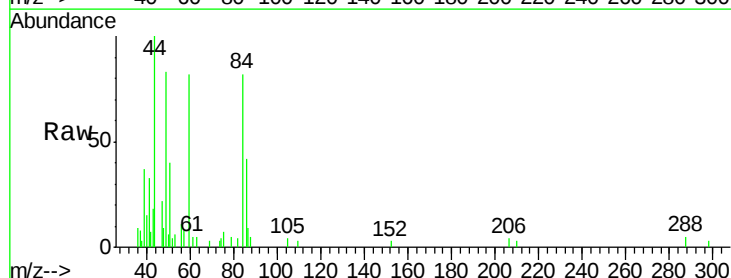
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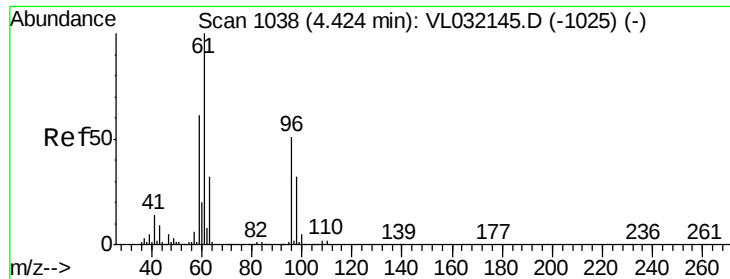
MMDadoda
7/9/2018 10:47:44 AM



#17
tert-Butyl alcohol
Concen: 0.08 ppbv m
RT: 4.47 min Scan# 1052
Delta R.T. 0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion: 59 Resp: 8844
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





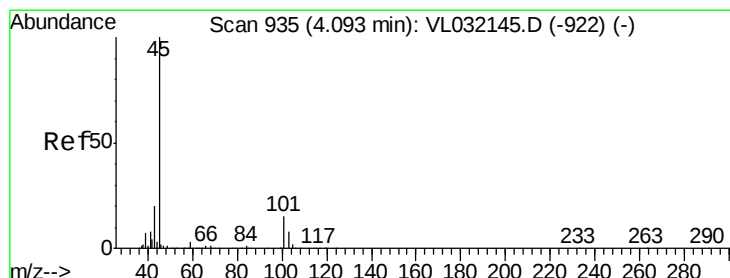
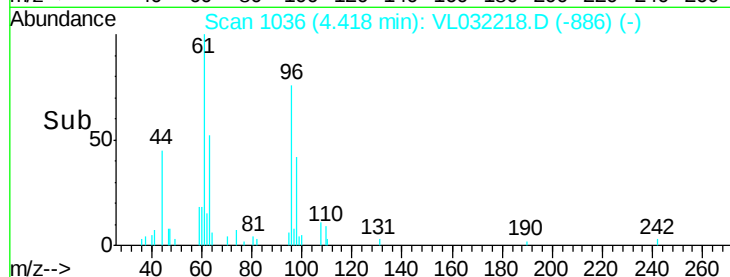
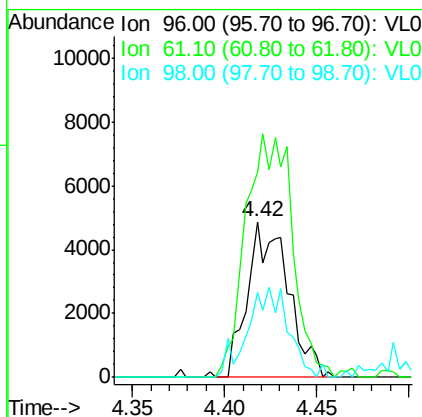
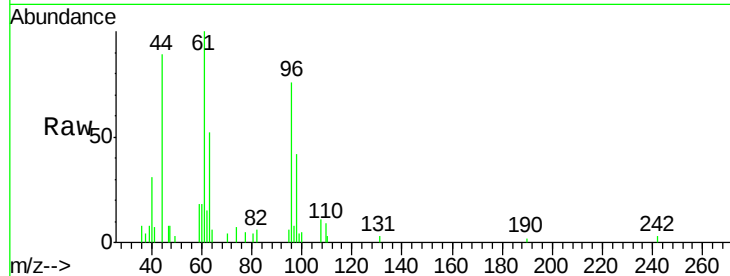
#18
 1,1-Dichloroethene
 Concen: 0.11 ppbv m
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	154.1	231.1#
98	54.6	50.3	75.5

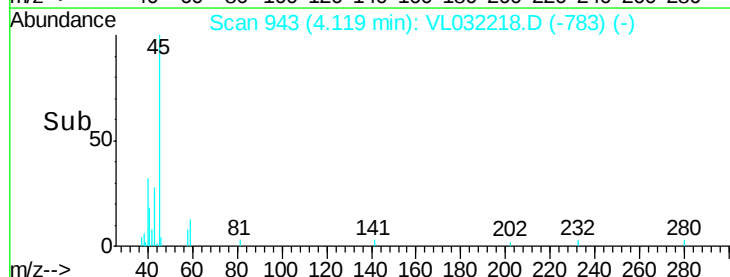
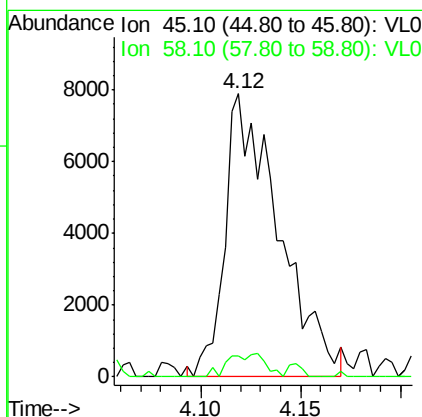
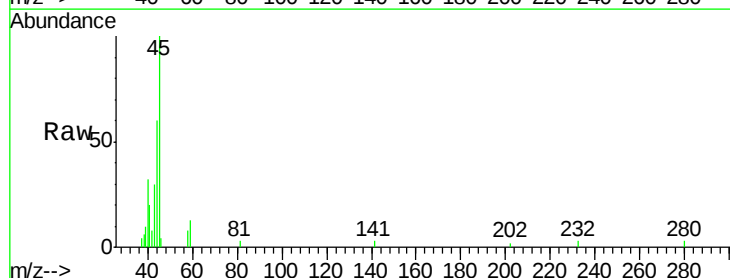
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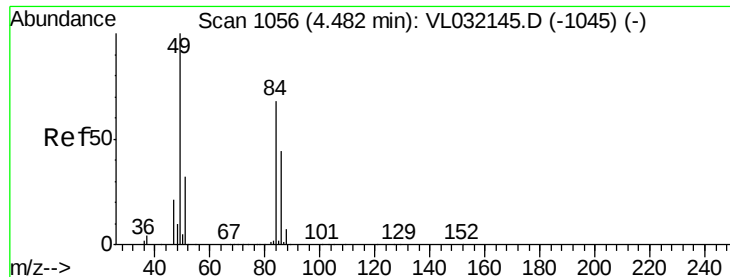
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#19
 Isopropyl Alcohol
 Concen: 0.10 ppbv m
 RT: 4.12 min Scan# 943
 Delta R.T. 0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.0#





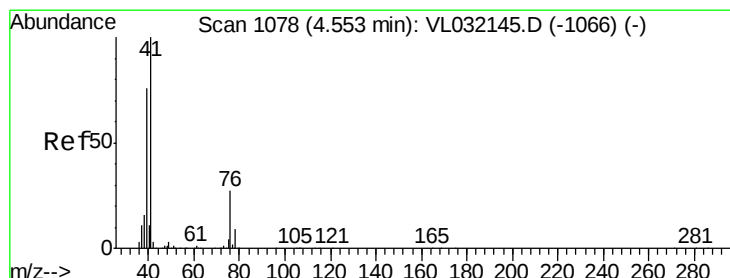
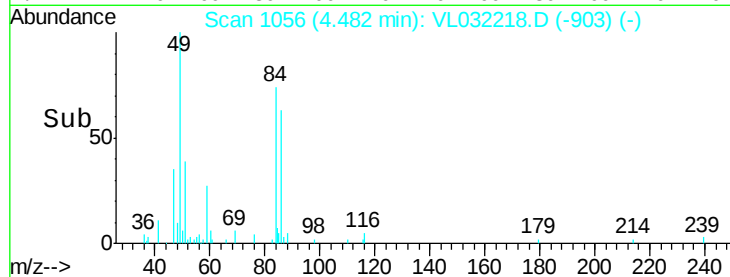
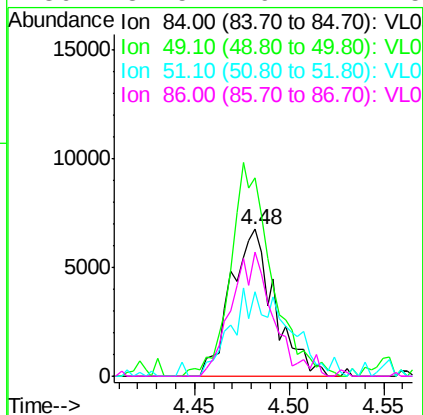
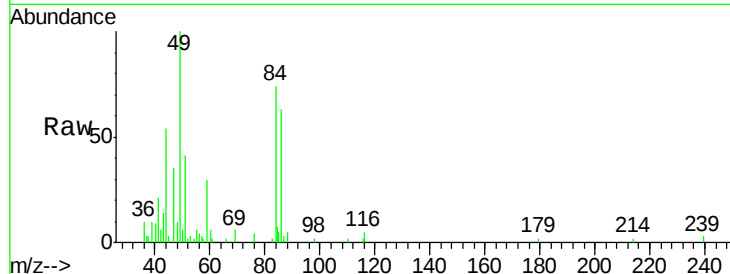
#20
Methylene Chloride
Concen: 0.16 ppbv m
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	134.5	119.6	179.4	
51	55.0	36.3	54.5#	
86	84.5	49.7	74.5#	

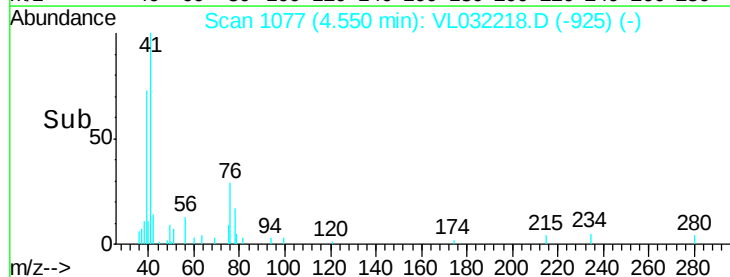
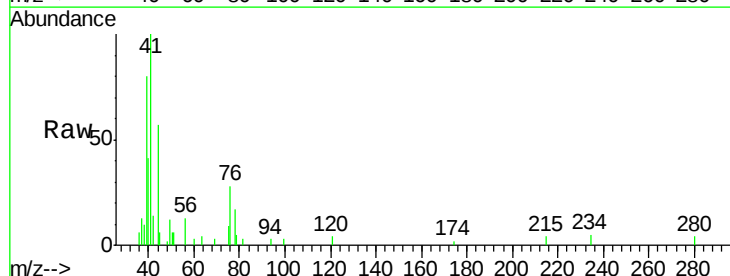
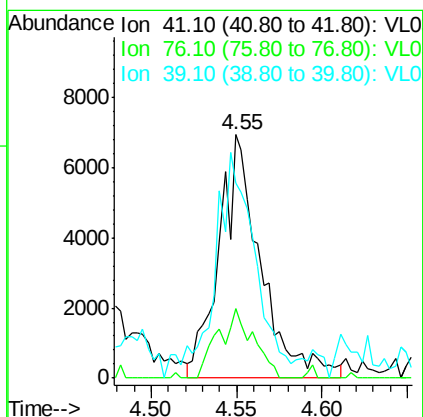
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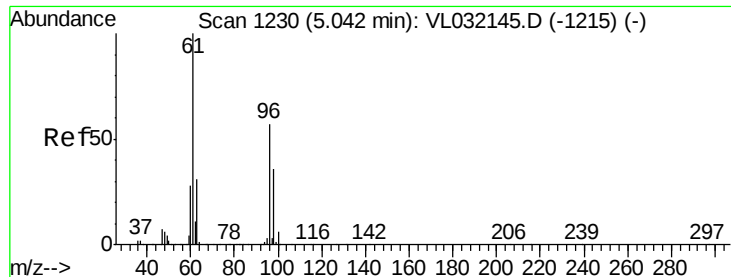
MMDadoda
7/9/2018 10:47:44 AM



#21
Allyl Chloride
Concen: 0.10 ppbv m
RT: 4.55 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
76	24.4	22.5	33.7	
39	84.2	60.5	90.7	





#22

trans-1,2-Dichloroethene

Concen: 0.11 ppbv m

RT: 5.04 min Scan# 1229

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

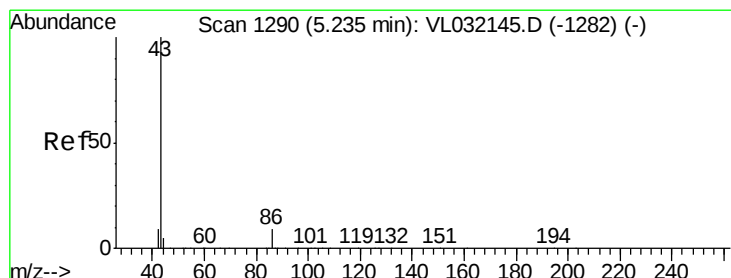
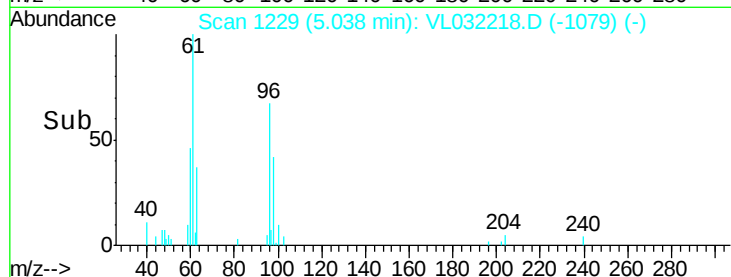
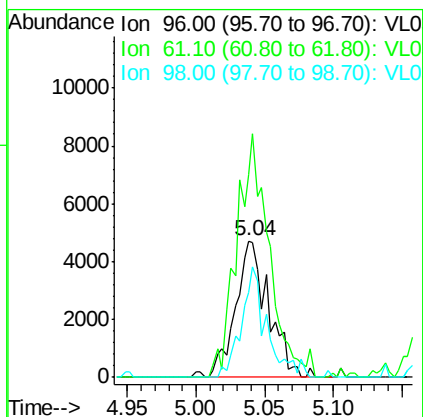
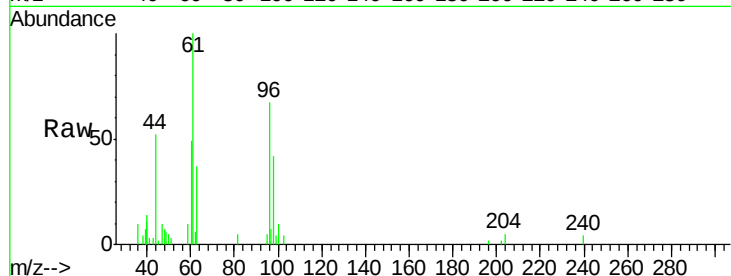
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.8	135.2	202.8
98	62.0	49.7	74.5

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#23

Vinyl Acetate

Concen: 0.08 ppbv m

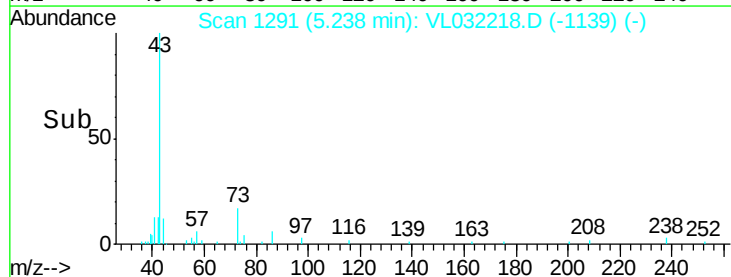
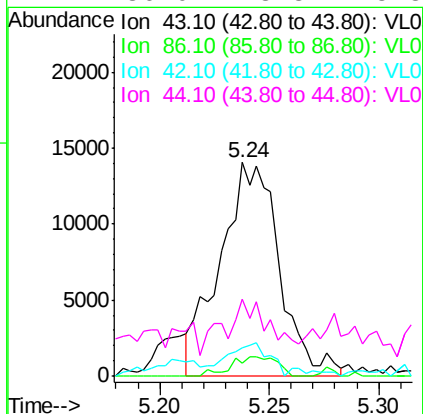
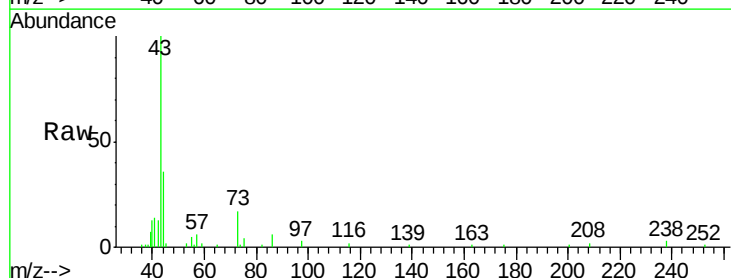
RT: 5.24 min Scan# 1291

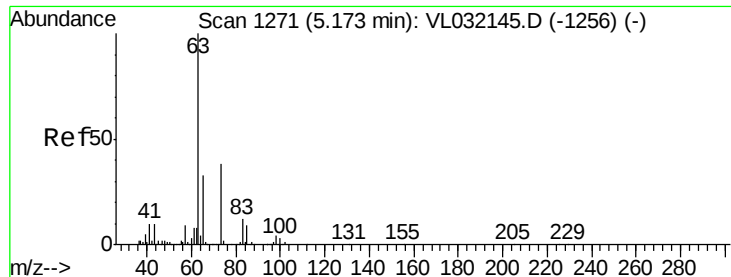
Delta R.T. -0.01 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.1	6.2	9.4#
42	13.0	6.9	10.3#
44	36.0	3.8	5.8#





#24

1,1-Dichloroethane

Concen: 0.10 ppbv

RT: 5.17 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

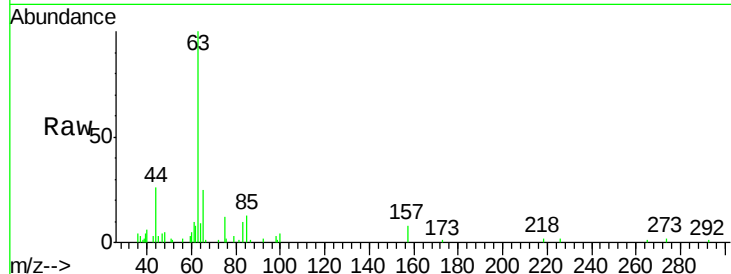
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

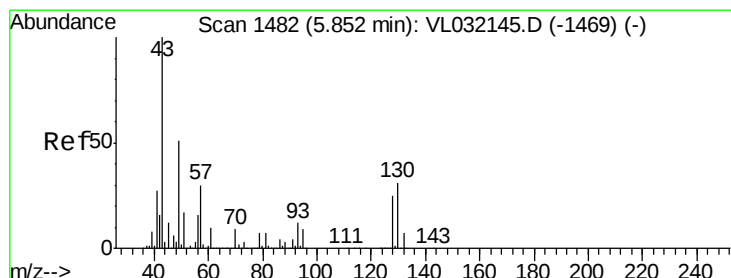
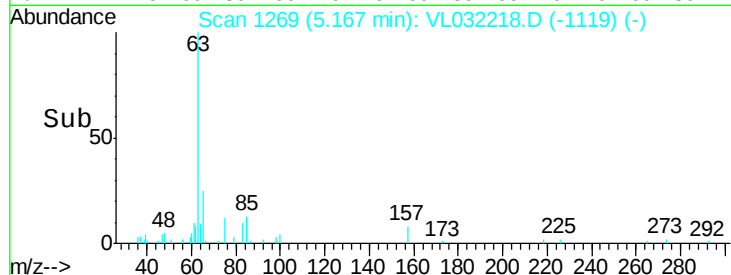
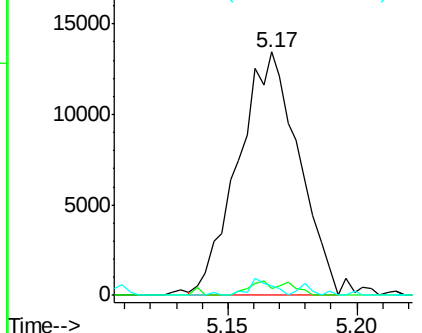
Tot Ion:	63	Resp:	21978
Ion Ratio	Lower	Upper	
63	100		
98	3.9	2.4	7.2
100	4.0	1.7	5.0

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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.10 ppbv m

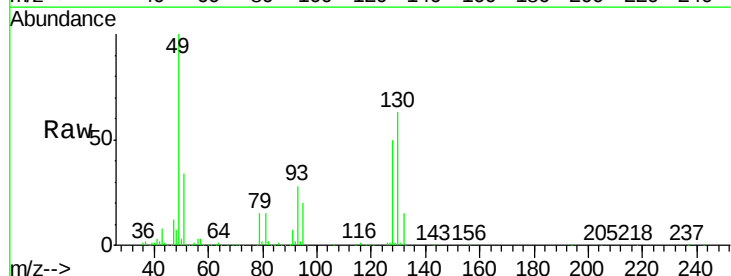
RT: 5.86 min Scan# 1484

Delta R.T. -0.01 min

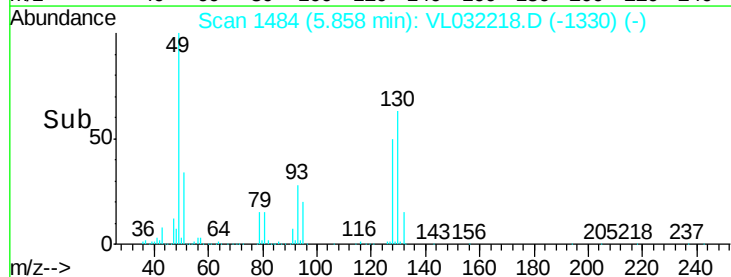
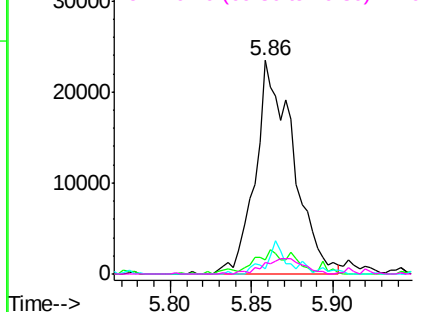
Lab File: VL032218.D

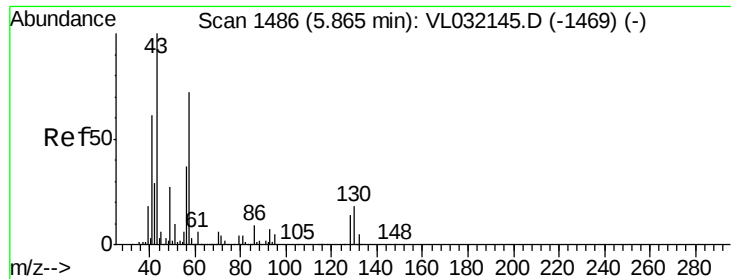
Acq: 6 Jul 2018 00:38

Tgt Ion:	43	Resp:	38066
Ion Ratio	Lower	Upper	
43	100		
45	0.0	7.8	11.8#
61	0.0	7.4	11.0#
70	0.0	6.1	9.1#



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





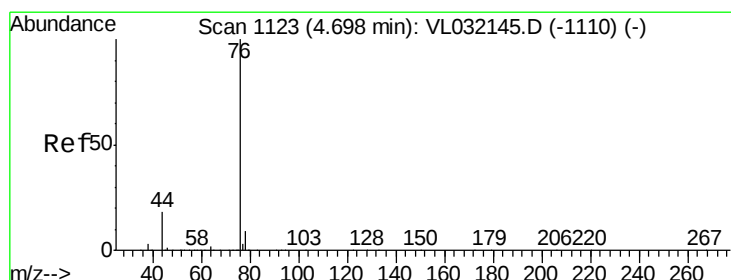
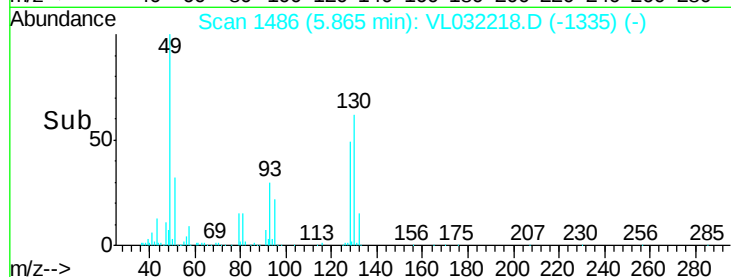
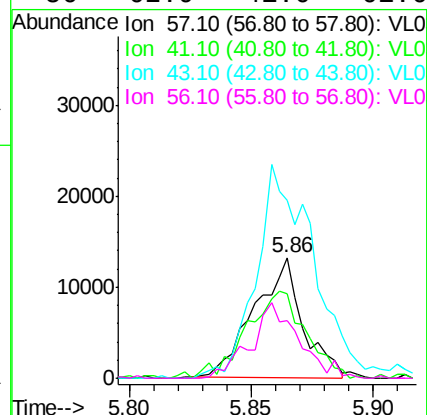
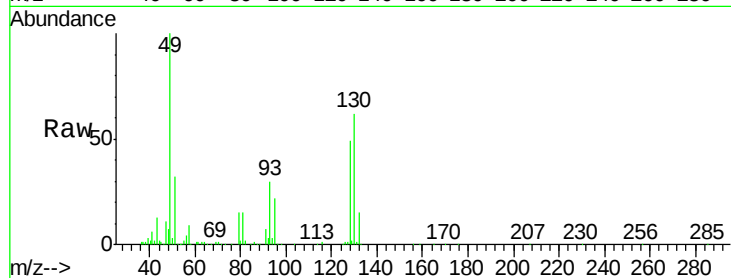
#26
Hexane
Concen: 0.11 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
57	100		
41	89.8	68.6	103.0
43	218.4	168.6	252.8
56	62.9	41.0	61.6#

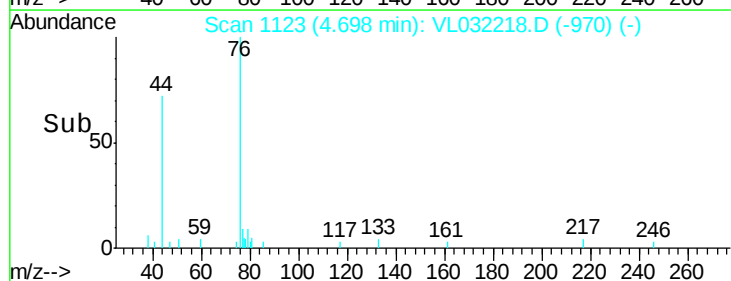
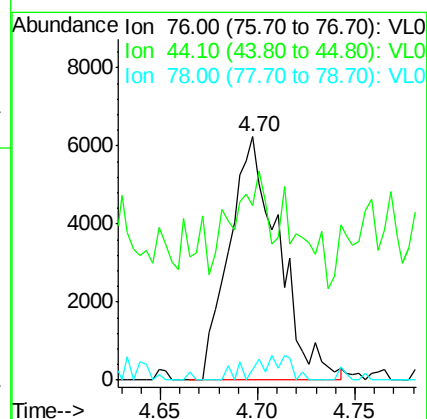
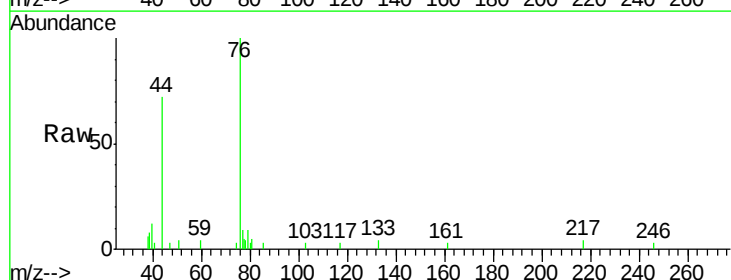
Manual Integrations
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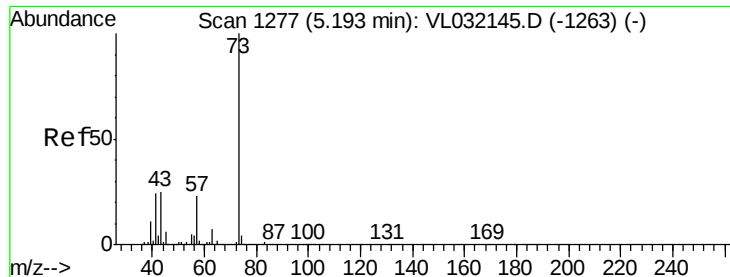
MMDadoda
7/9/2018 10:47:44 AM



#27
Carbon Disulfide
Concen: 0.06 ppbv m
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
76	100		
44	72.0	15.1	22.7#
78	0.0	7.2	10.8#





#28

Methvl tert-Butvl Ether

Concen: 0.08 ppbv

RT: 5.22 min Scan# 1285

Delta R.T. 0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 73 Resp: 23522

Ion Ratio Lower Upper

73 100

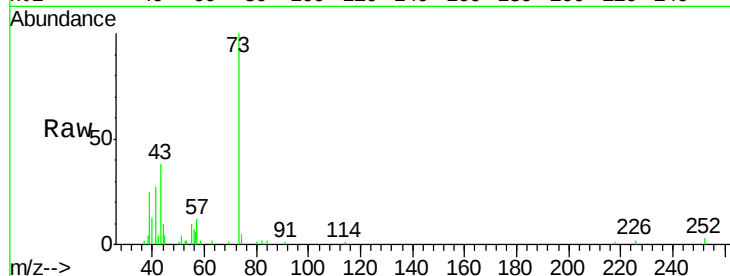
57 25.7 18.6 27.8

Manual Integrations

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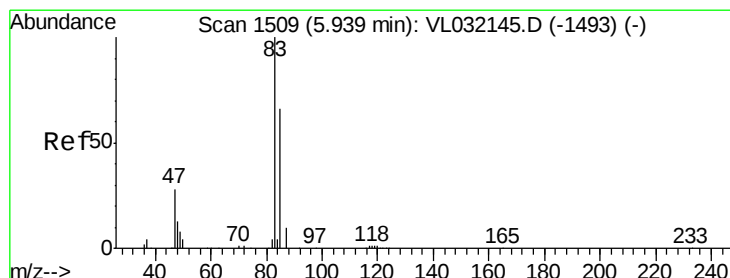
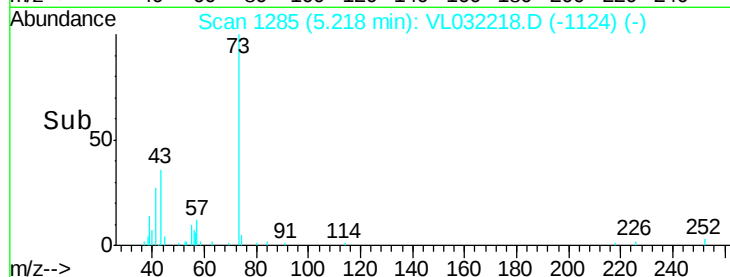
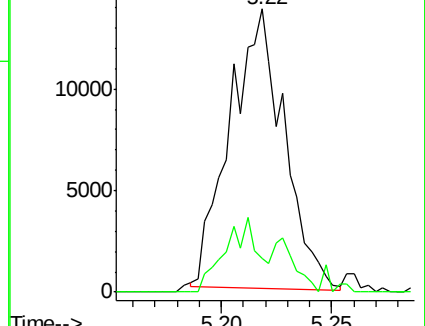
MMDadoda

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Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.12 ppbv

RT: 5.93 min Scan# 1505

Delta R.T. -0.02 min

Lab File: VL032218.D

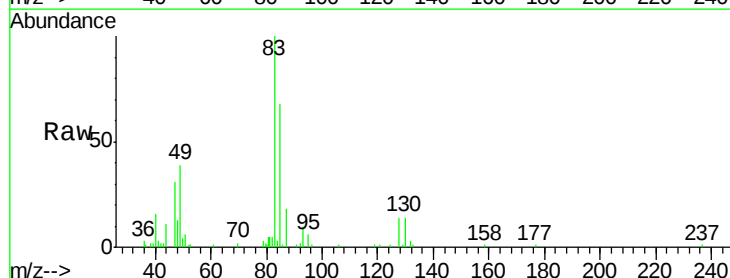
Acq: 6 Jul 2018 00:38

Tgt Ion: 83 Resp: 29504

Ion Ratio Lower Upper

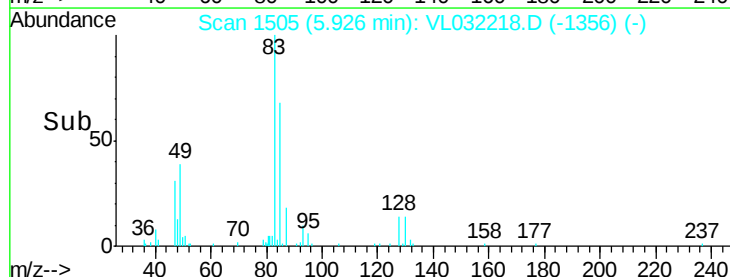
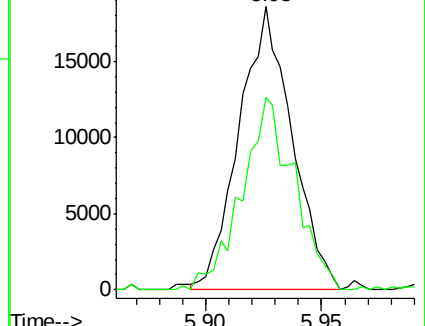
83 100

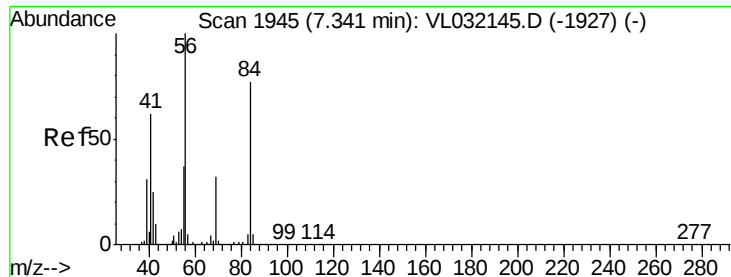
85 69.3 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





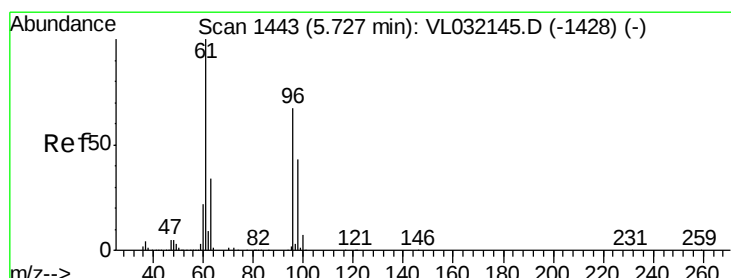
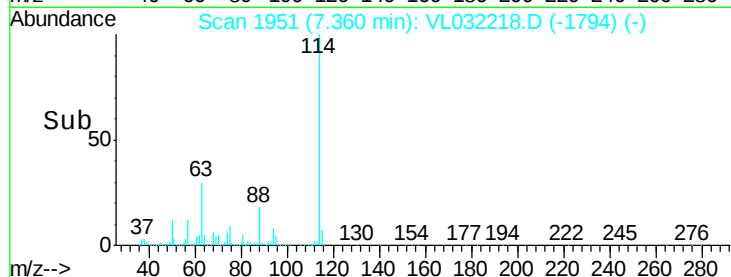
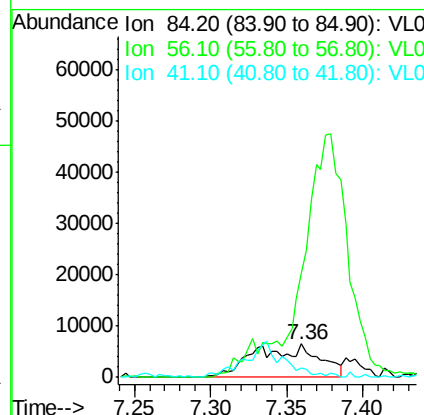
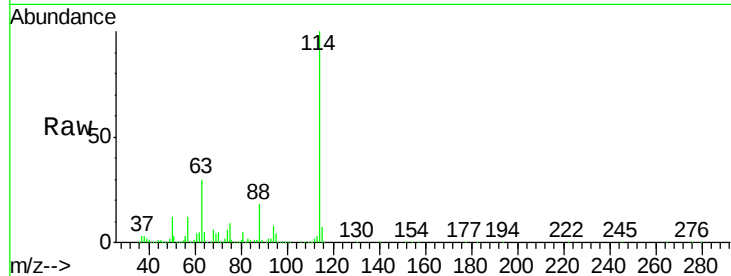
#30
Cyclohexane
Concen: 0.12 ppbv m
RT: 7.36 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.1	163.7#
41	69.7	64.6	96.8

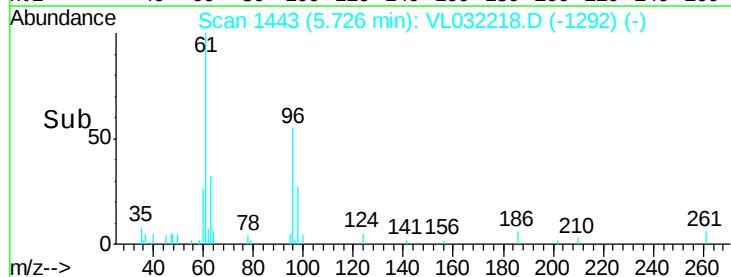
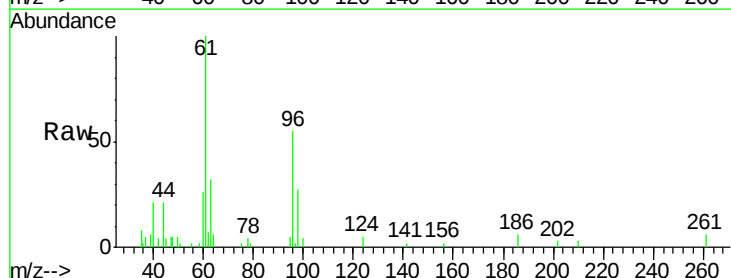
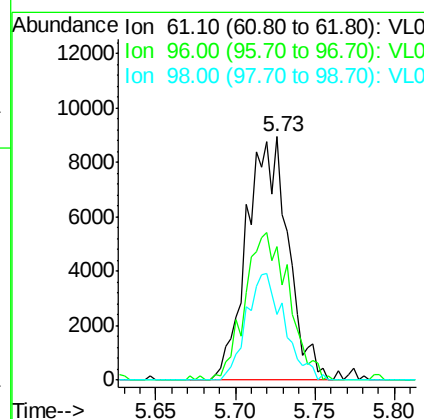
Manual Integrations
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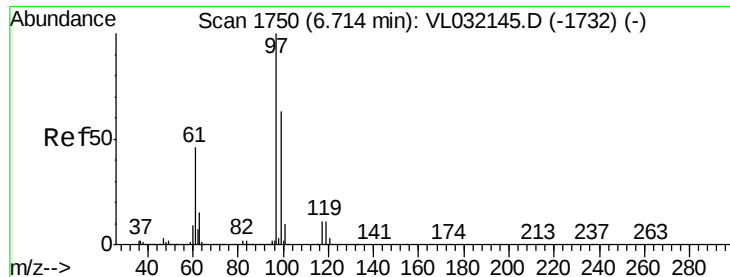
MMDadoda
7/9/2018 10:47:44 AM



#31
cis-1,2-Dichloroethene
Concen: 0.09 ppbv m
RT: 5.73 min Scan# 1443
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
61	100		
96	54.9	54.2	81.4
98	27.0	34.6	52.0#





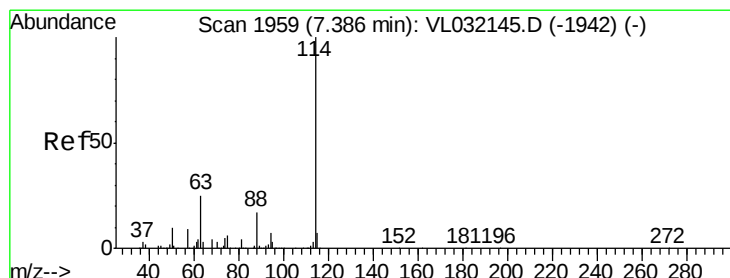
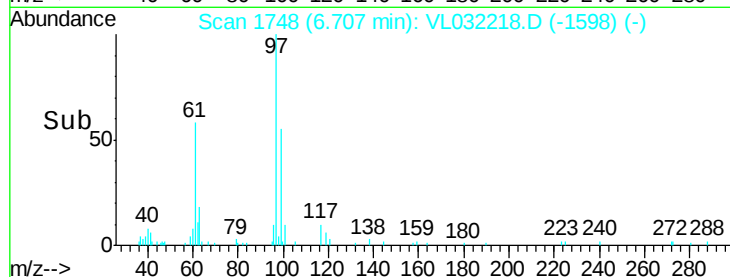
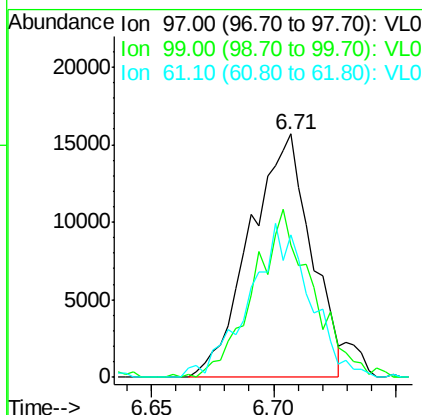
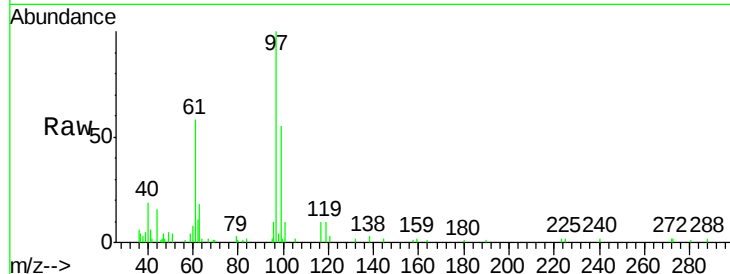
#32
 1,1,1-Trichloroethane
 Concen: 0.10 ppbv
 RT: 6.71 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.3	76.9
61	63.1	38.4	57.6

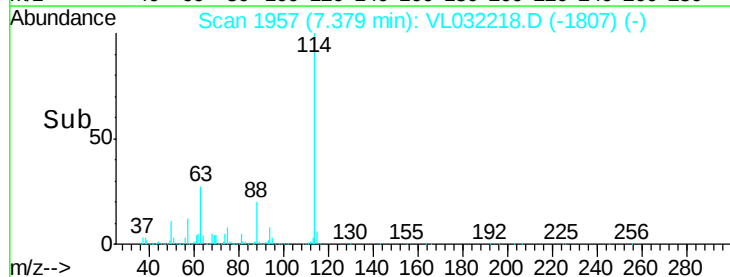
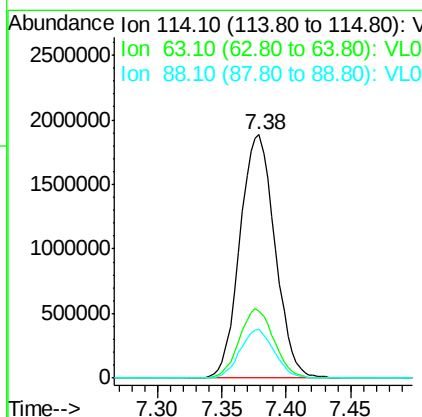
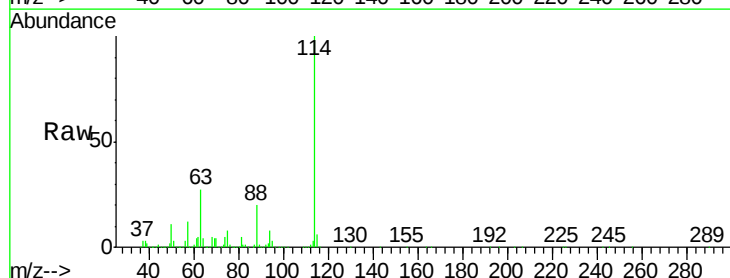
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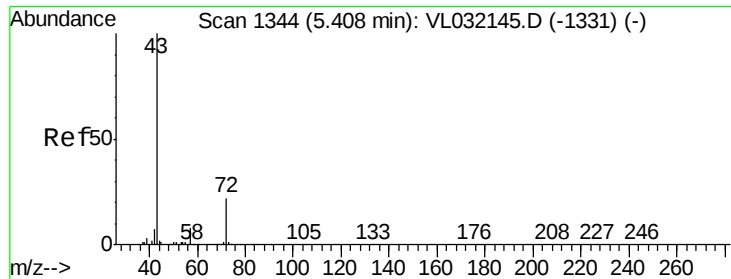
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 7/9/2018 10:47:44 AM



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.1	19.1	28.7
88	19.5	13.9	20.9





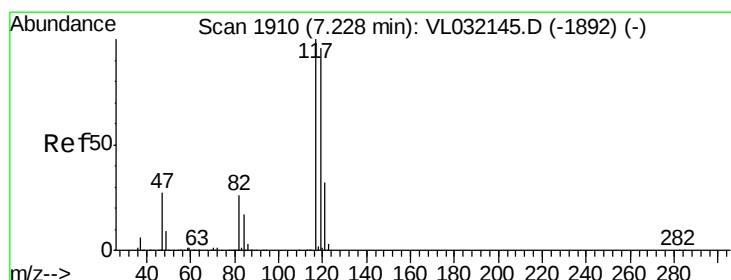
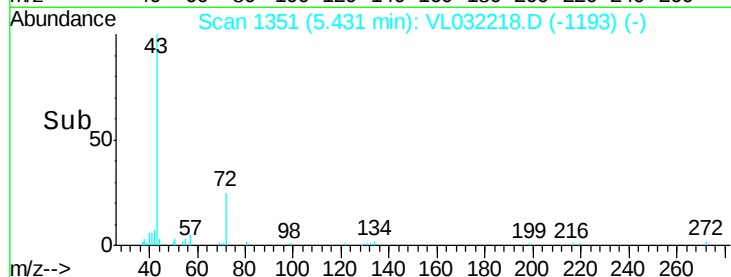
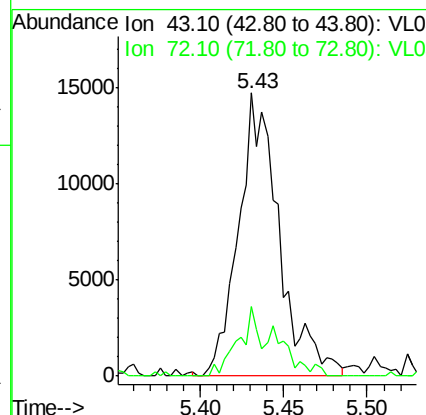
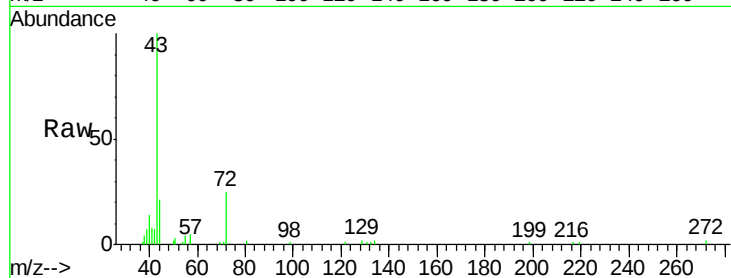
#34
2-Butanone
Concen: 0.11 ppbv m
RT: 5.43 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	43	Resp	24913
Ion Ratio	Lower	Upper	
43	100		
72	21.9	18.4	27.6

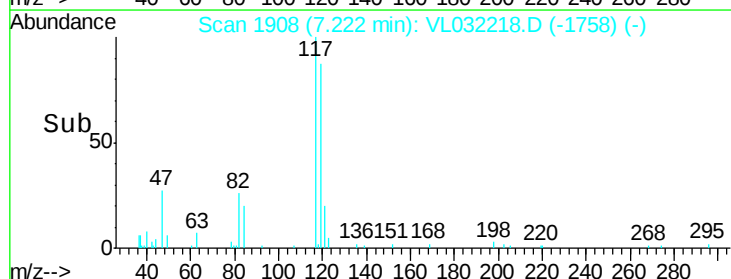
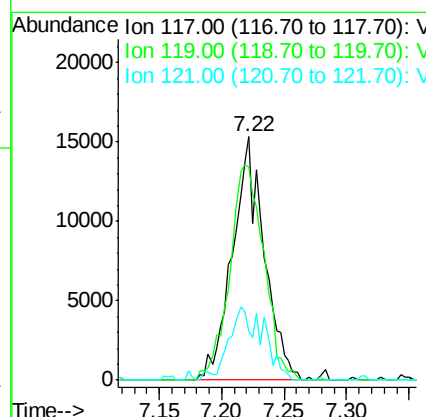
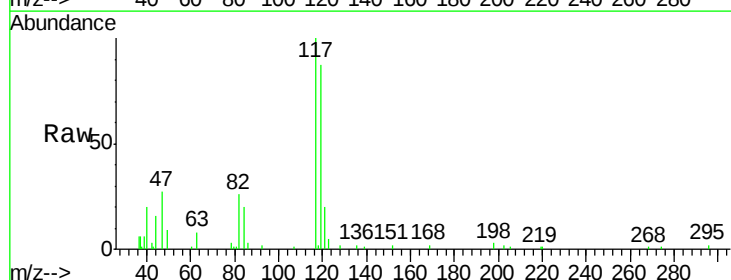
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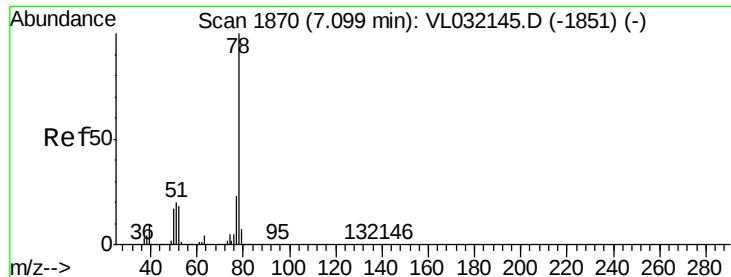
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#35
Carbon Tetrachloride
Concen: 0.11 ppbv m
RT: 7.22 min Scan# 1908
Delta R.T. -0.02 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	117	Resp	27226
Ion Ratio	Lower	Upper	
117	100		
119	87.4	74.8	112.2
121	20.2	24.0	36.0#





#36

Benzene

Concen: 0.11 ppbv m

RT: 7.09 min Scan# 1866

Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

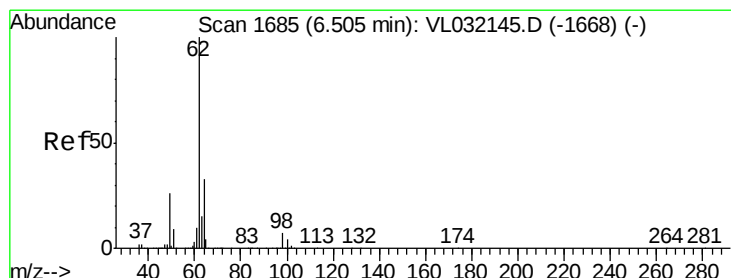
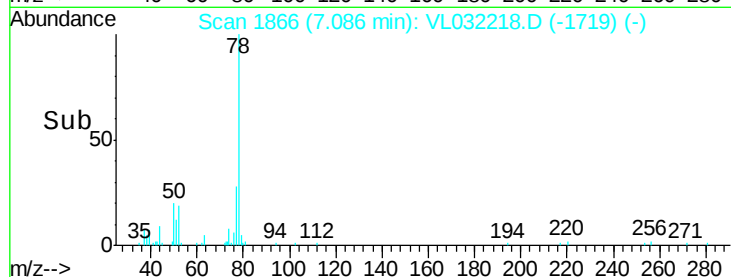
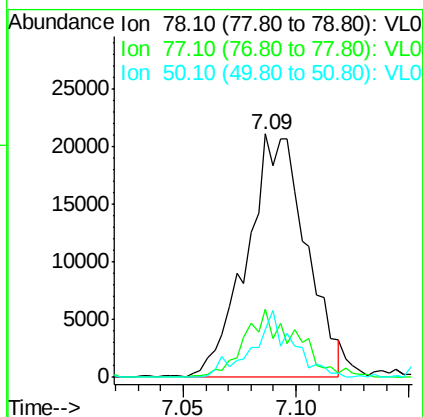
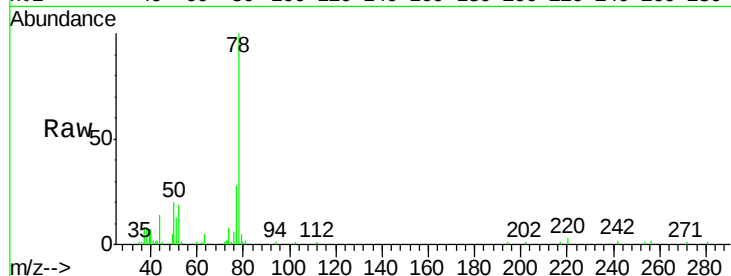
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	78	Resp:	38412
Ion	Ratio	Lower	Upper
78	100		
77	28.1	17.7	26.5#
50	19.5	14.0	21.0

Manual Integrations
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7/9/2018 10:47:44 AM



#37

1,2-Dichloroethane

Concen: 0.15 ppbv m

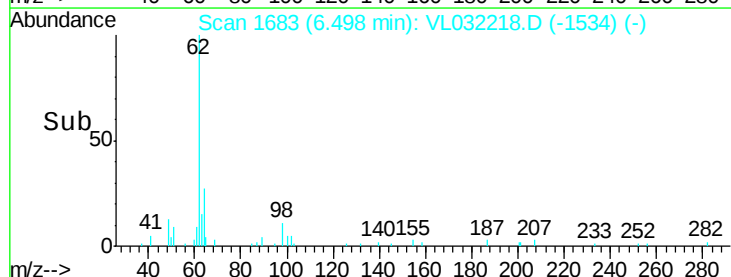
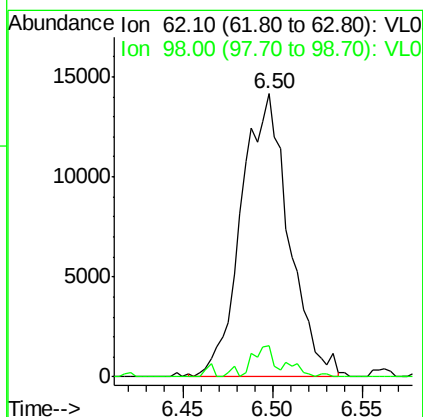
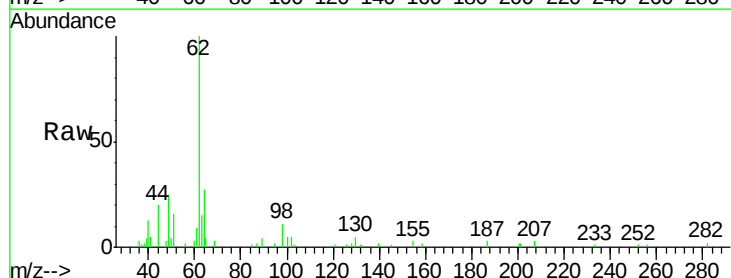
RT: 6.50 min Scan# 1683

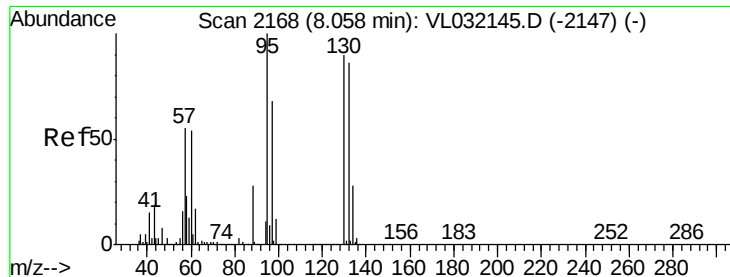
Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	62	Resp:	26110
Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.8	8.6





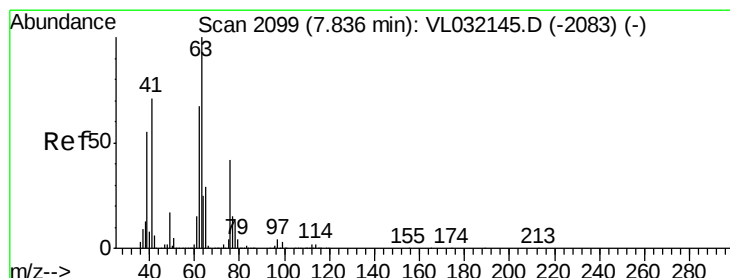
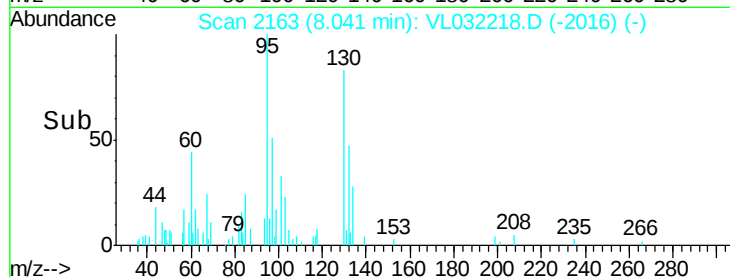
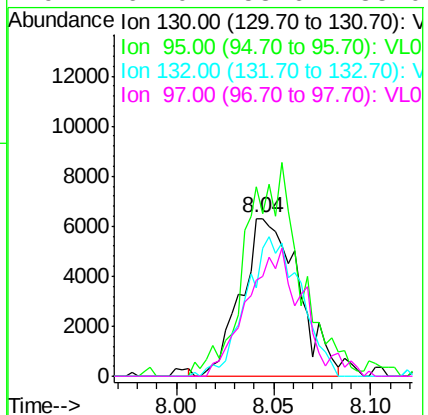
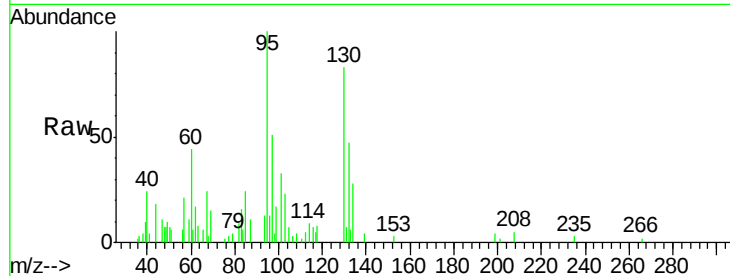
#38
 Trichloroethene
 Concen: 0.09 ppbv m
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.03 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
130	100		
95	120.2	88.1	132.1
132	56.1	74.6	112.0#
97	61.0	58.6	88.0

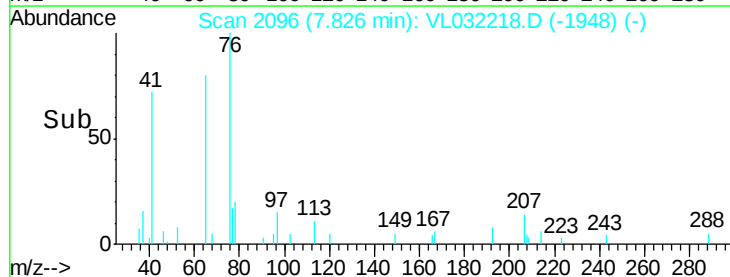
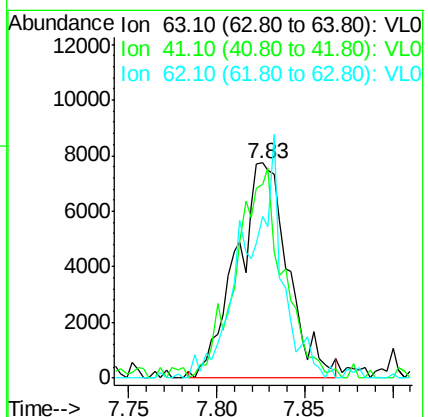
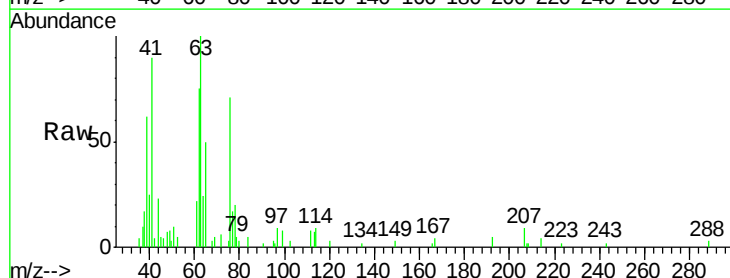
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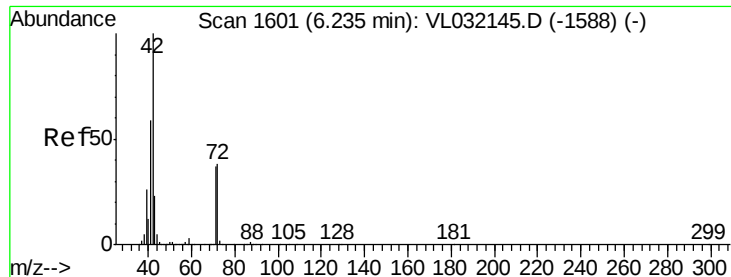
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#39
 1,2-Dichloropropane
 Concen: 0.12 ppbv m
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
63	100		
41	90.0	53.3	79.9#
62	75.3	54.8	82.2





#41

Tetrahydrofuran

Concen: 0.09 ppbv m

RT: 6.27 min Scan# 1611

Delta R.T. 0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

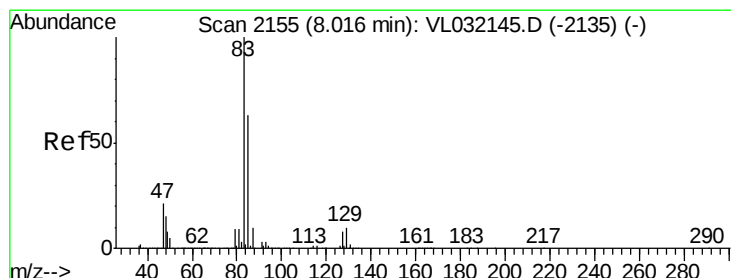
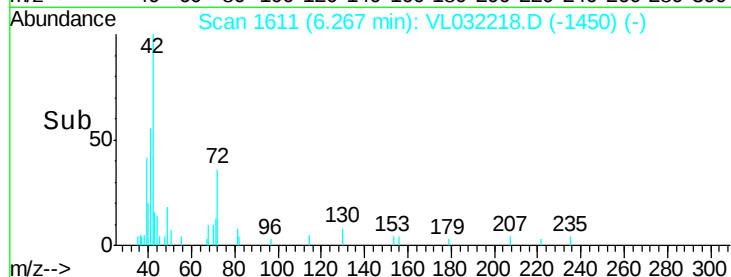
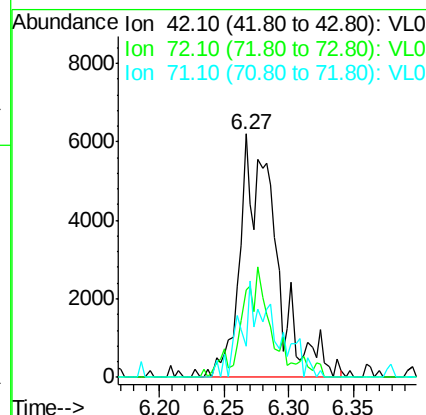
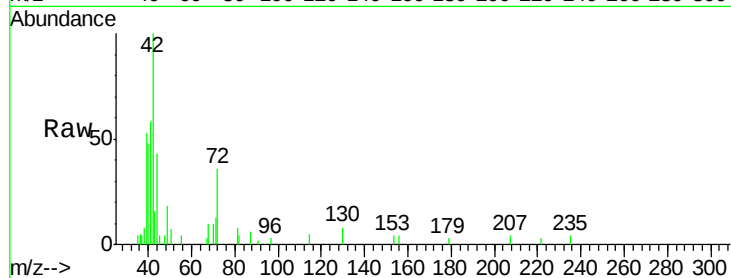
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	42	Resp:	11957
Ion Ratio		Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	0.0	29.5	44.3#

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#42

Bromodichloromethane

Concen: 0.10 ppbv m

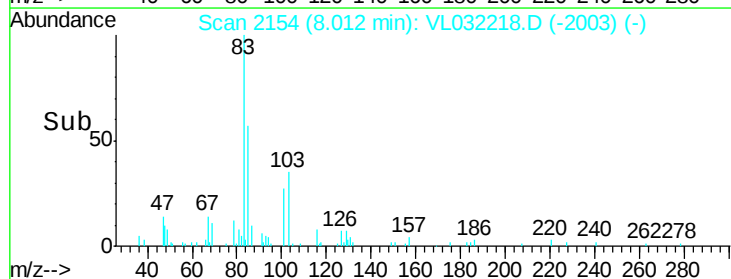
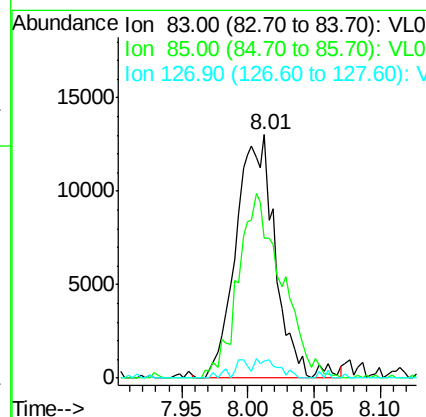
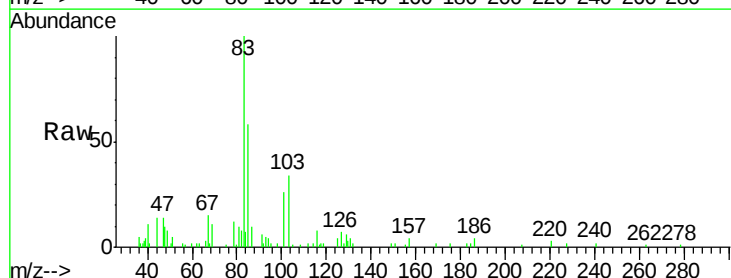
RT: 8.01 min Scan# 2154

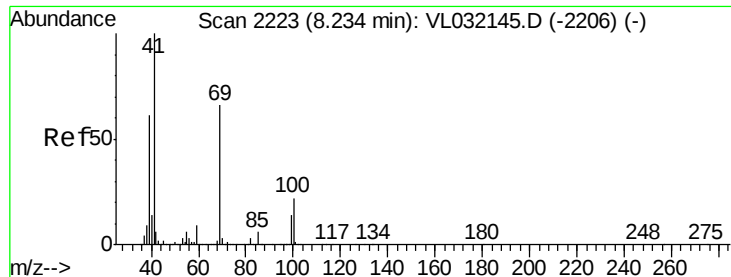
Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	83	Resp:	26711
Ion Ratio		Lower	Upper
83	100		
85	57.7	52.6	79.0
127	6.8	6.5	9.7





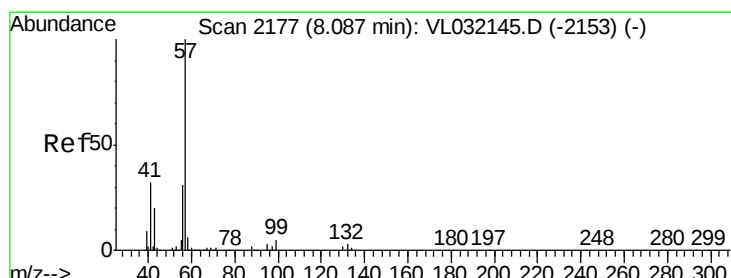
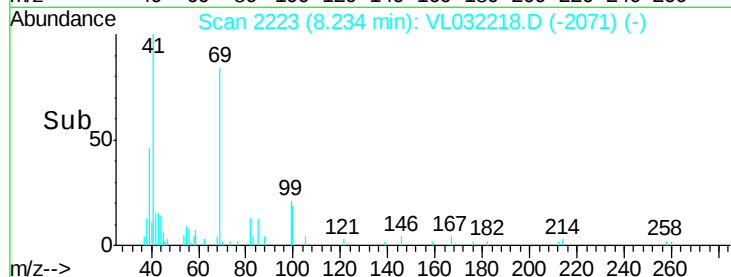
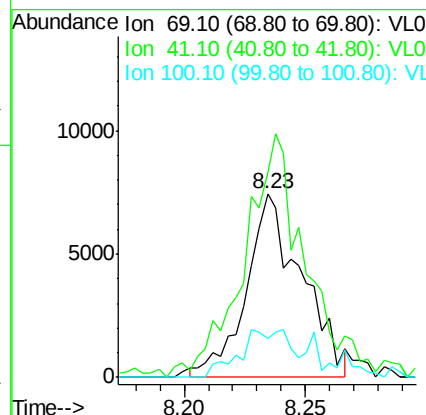
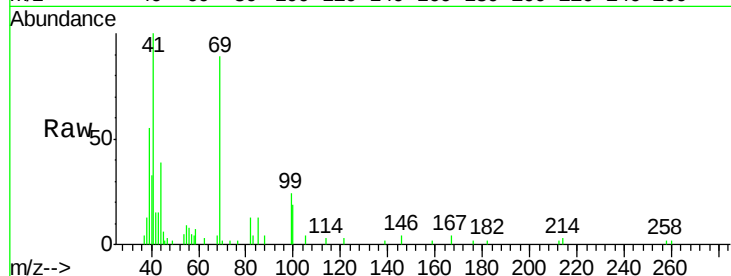
#43
Methvl Methacrilate
Concen: 0.08 ppbv m
RT: 8.23 min Scan# 2223
Delta R.T. -0.01 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.2	177.4#
100	0.0	27.4	41.2#

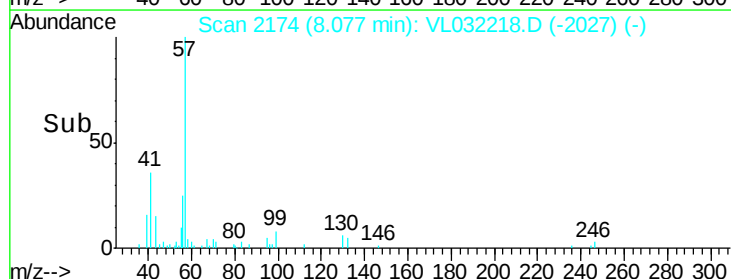
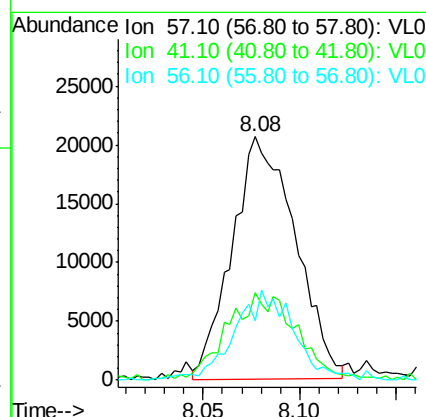
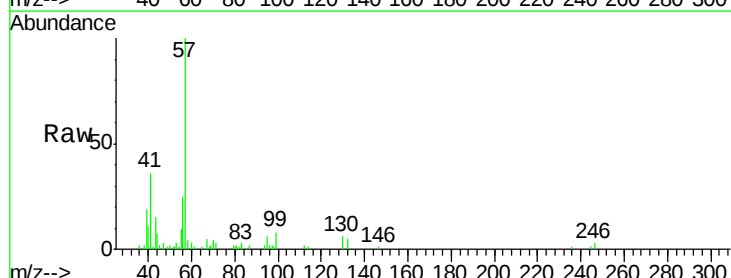
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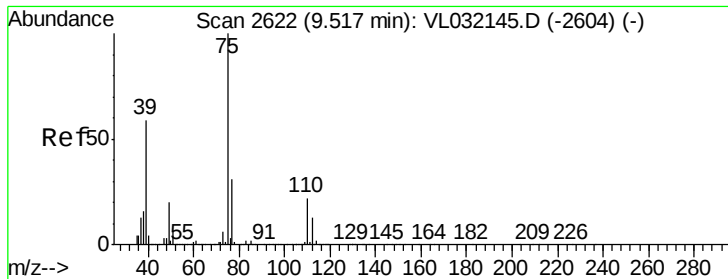
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7/9/2018 10:47:44 AM



#44
2,2,4-Trimethylpentane
Concen: 0.08 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	39.5	24.3	36.5#
56	35.1	25.1	37.7





#45

t-1,3-Dichloropropene

Concen: 0.06 ppbv m

RT: 9.50 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

ClientSampleId :

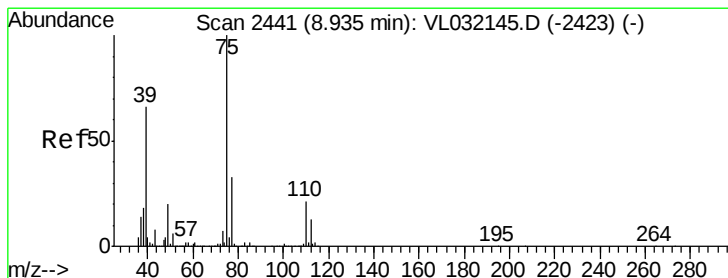
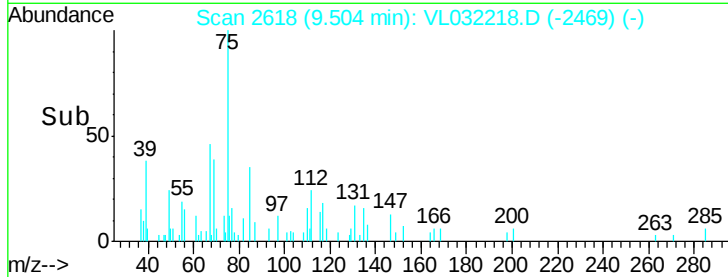
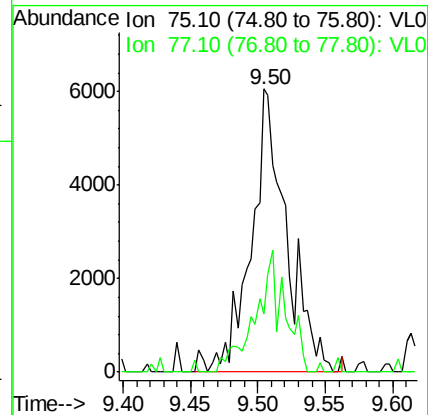
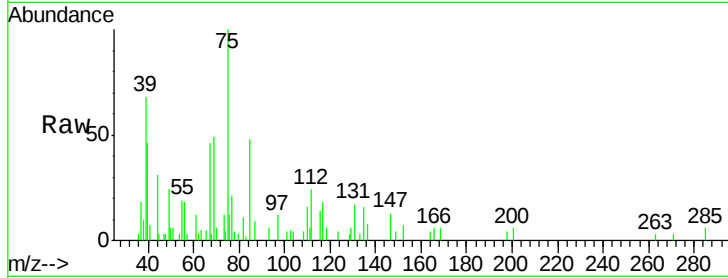
LOD-MDL-AIR-01-QT3-2018

Tot Ion: 75 Resp: 11152

Ion	Ratio	Lower	Upper
75	100		
77	20.6	25.6	38.4#

Manual Integrations
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7/9/2018 10:47:44 AM



#46

cis-1,3-Dichloropropene

Concen: 0.07 ppbv m

RT: 8.93 min Scan# 2438

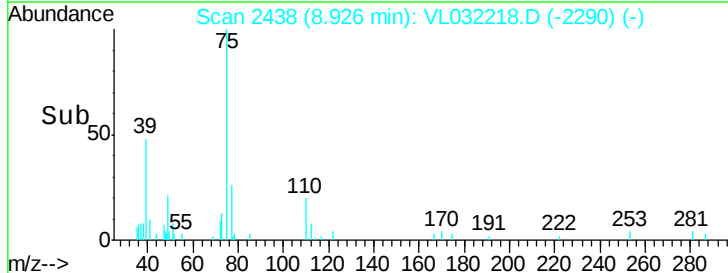
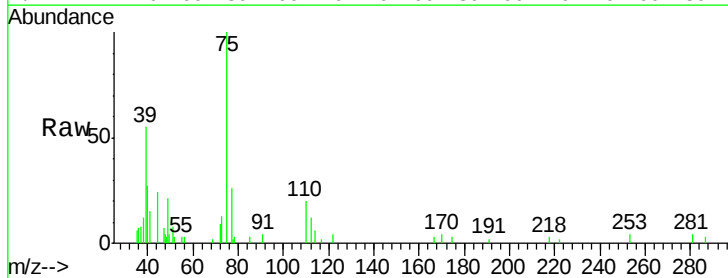
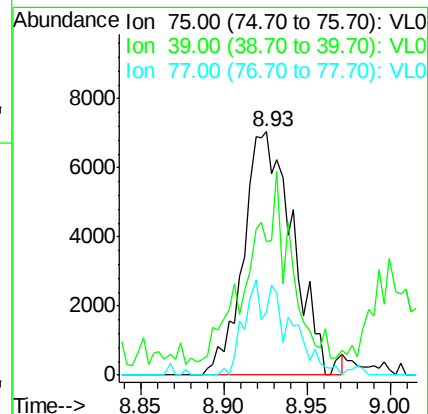
Delta R.T. -0.02 min

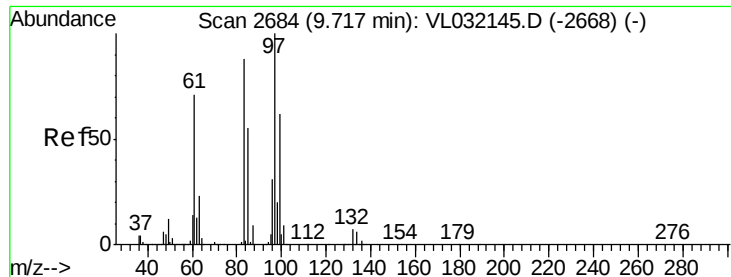
Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion: 75 Resp: 14450

Ion	Ratio	Lower	Upper
75	100		
39	54.9	51.9	77.9
77	25.7	24.3	36.5





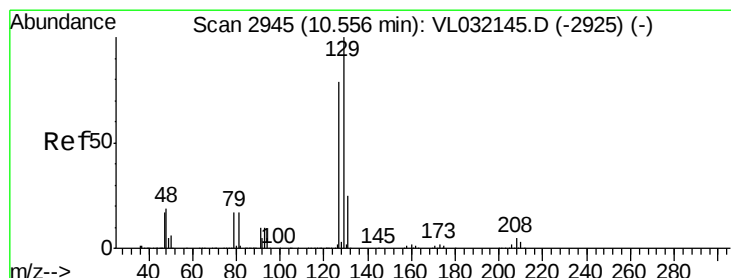
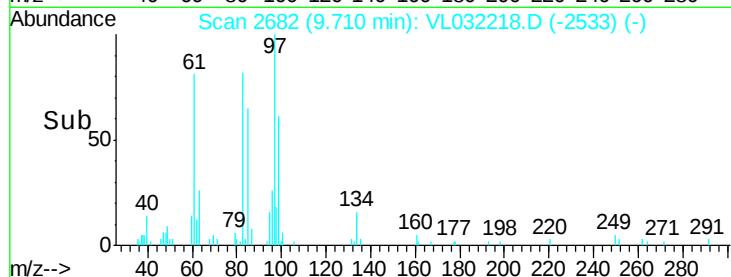
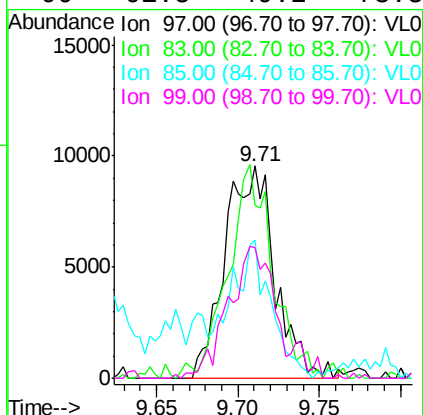
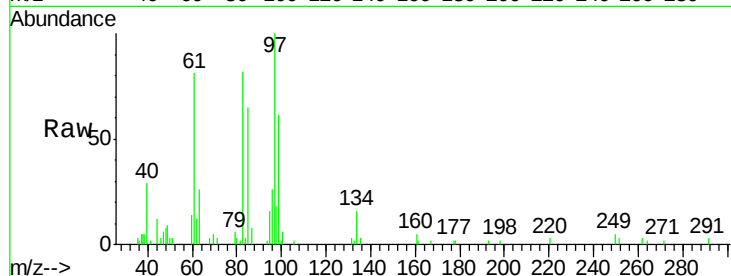
#47
 1,1,2-Trichloroethane
 Concen: 0.14 ppbv m
 RT: 9.71 min Scan# 2682
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.8	71.0	106.4
85	65.0	44.2	66.4
99	61.5	49.2	73.8

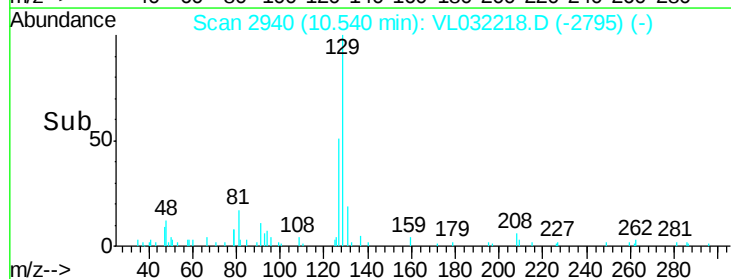
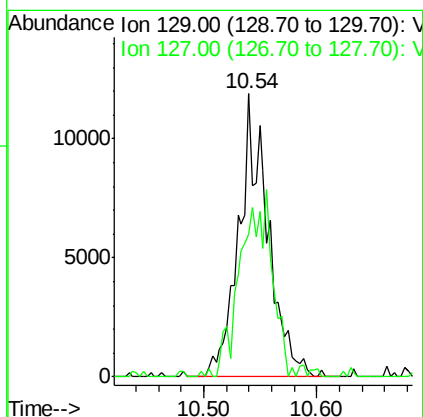
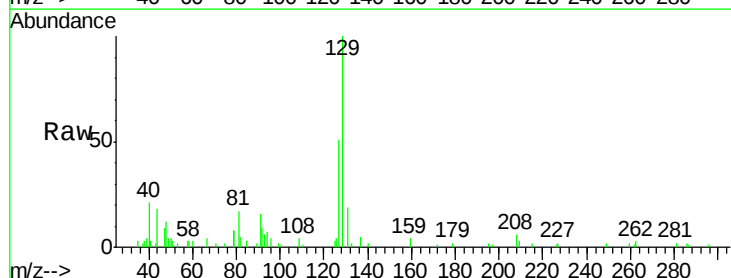
Manual Integrations
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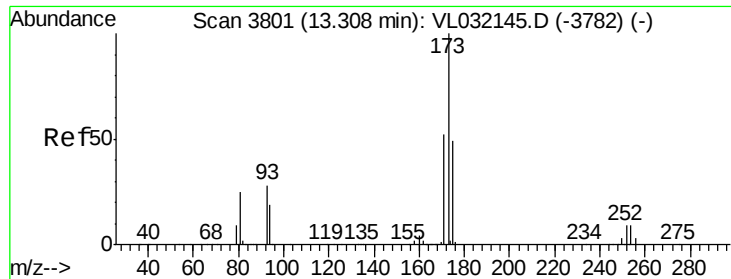
MMDadoda
 7/9/2018 10:47:44 AM



#48
 Dibromochloromethane
 Concen: 0.10 ppbv m
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.03 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.5#





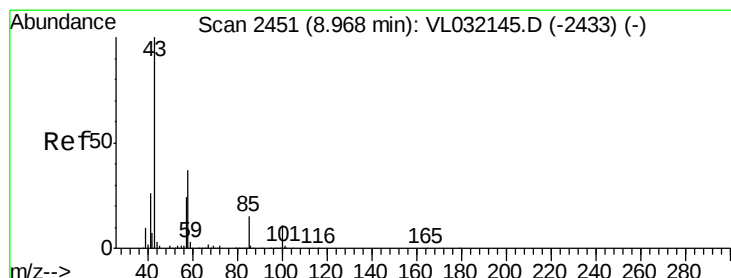
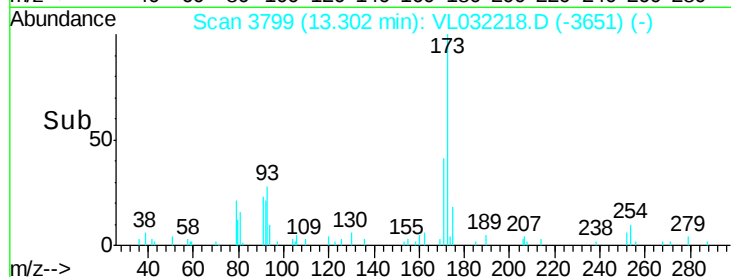
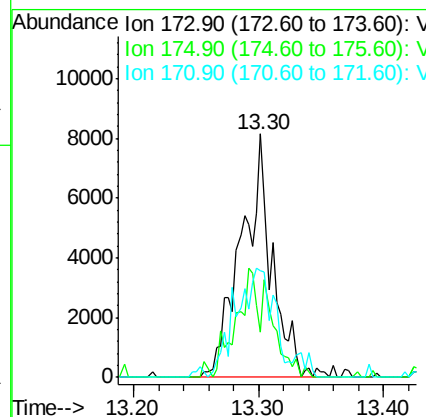
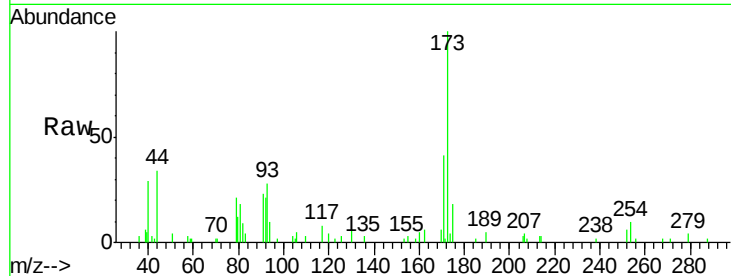
#49
Bromoform
Concen: 0.08 ppbv m
RT: 13.30 min Scan# 3799
Delta R.T. -0.02 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.4	59.0
171	0.0	41.8	62.8#

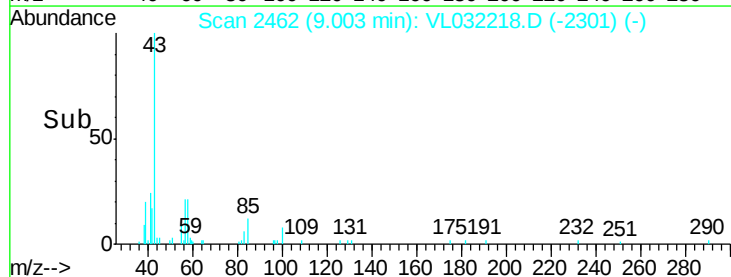
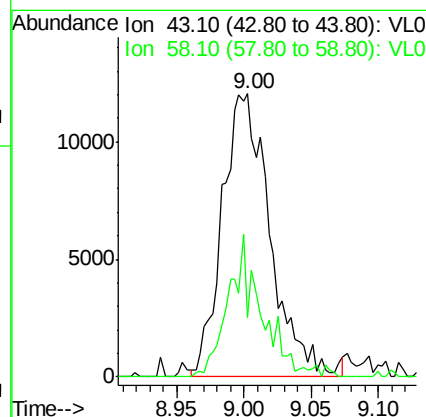
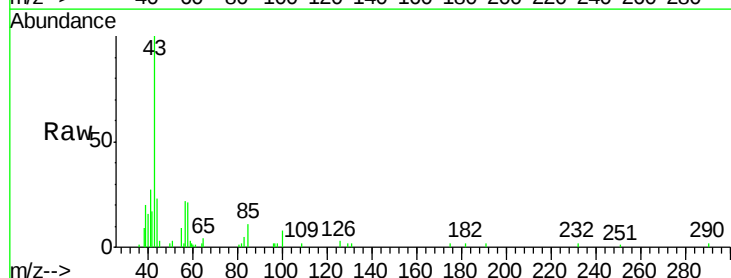
Manual Integrations
APPROVED

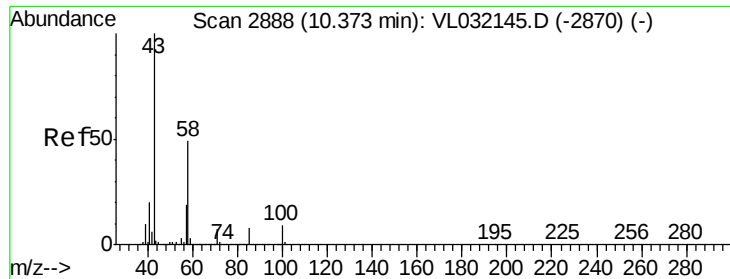
MMDadoda
7/9/2018 10:47:44 AM



#50
4-Methyl-2-Pentanone
Concen: 0.08 ppbv m
RT: 9.00 min Scan# 2462
Delta R.T. 0.02 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.6#





#51

2-Hexanone

Concen: 0.09 ppbv m

RT: 10.41 min Scan# 2900

Delta R.T. 0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

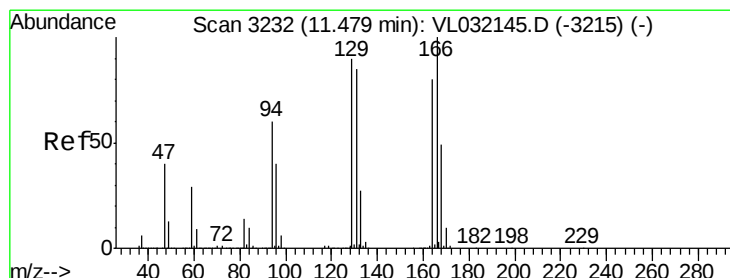
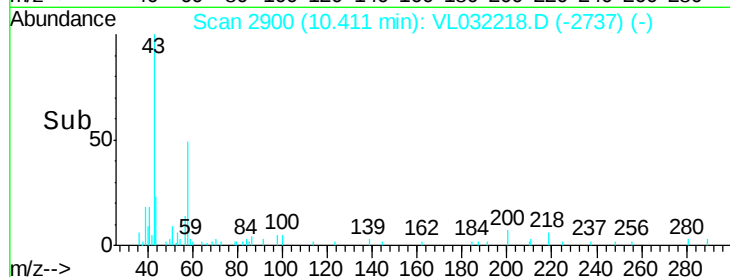
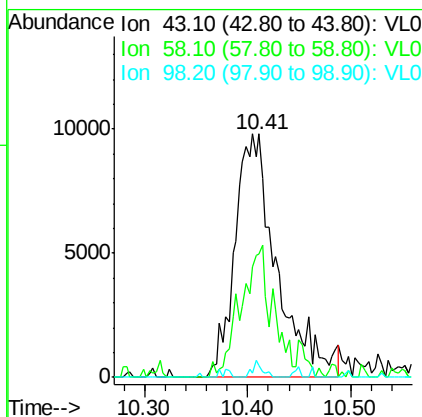
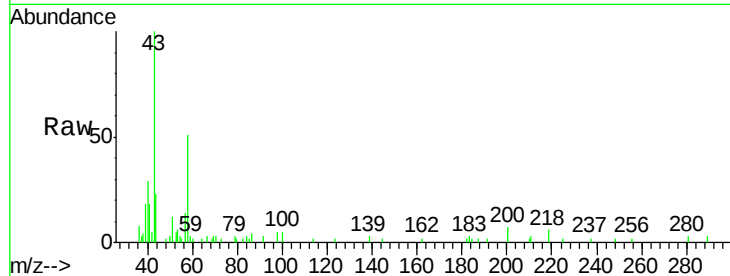
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	43	Resp:	27726
Ion Ratio		Lower	Upper
43	100		
58	0.0	40.6	60.8#
98	0.7	0.1	0.1#

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MMDadoda
7/9/2018 10:47:44 AM



#52

Tetrachloroethene

Concen: 0.12 ppbv m

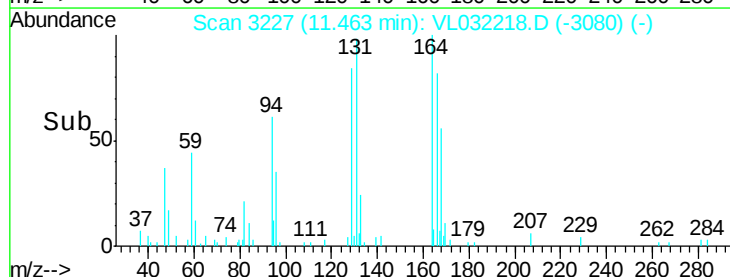
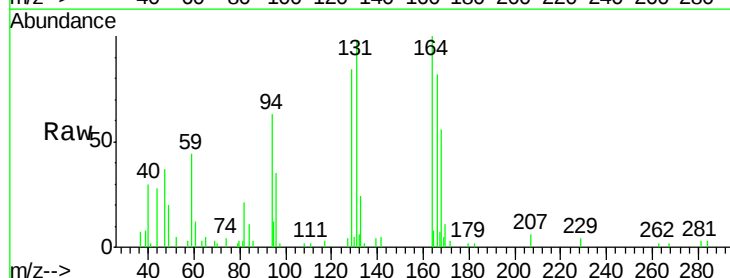
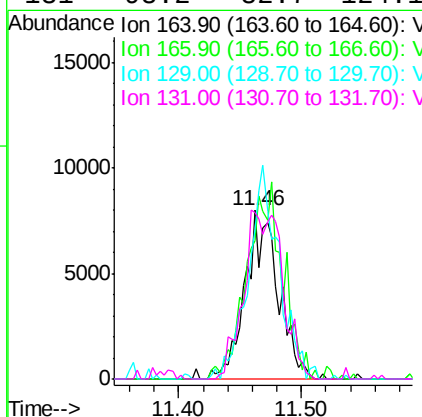
RT: 11.46 min Scan# 3227

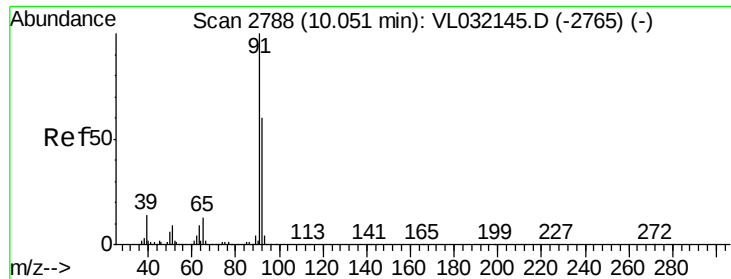
Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	164	Resp:	15008
Ion Ratio		Lower	Upper
164	100		
166	81.5	100.6	151.0#
129	83.8	84.0	126.0#
131	98.2	82.7	124.1





#53

Toluene

Concen: 0.09 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 91 Resp: 37258

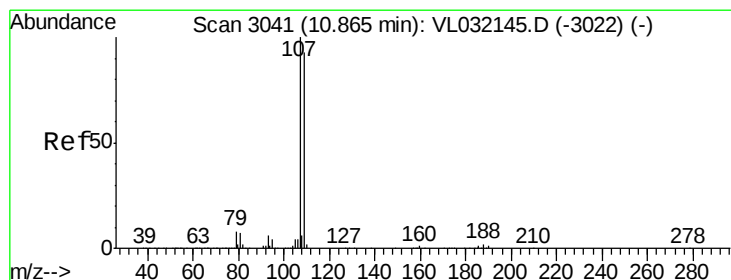
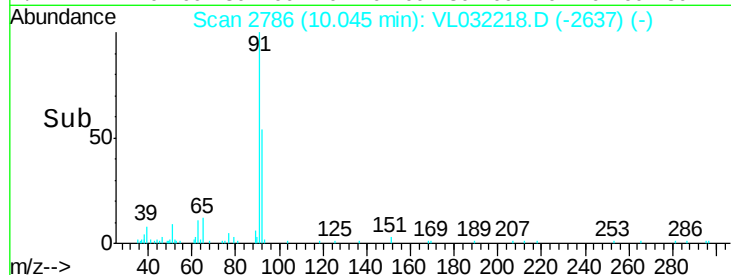
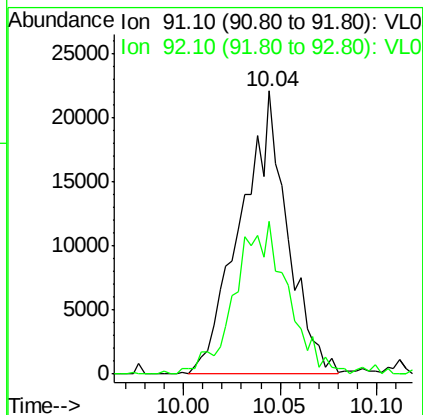
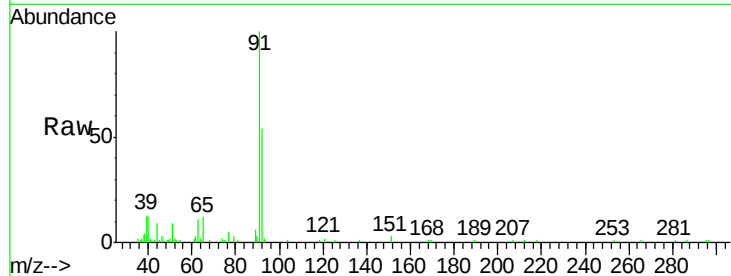
Ion Ratio Lower Upper

91 100

92 61.9 49.2 73.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.12 ppbv m

RT: 10.86 min Scan# 3039

Delta R.T. -0.02 min

Lab File: VL032218.D

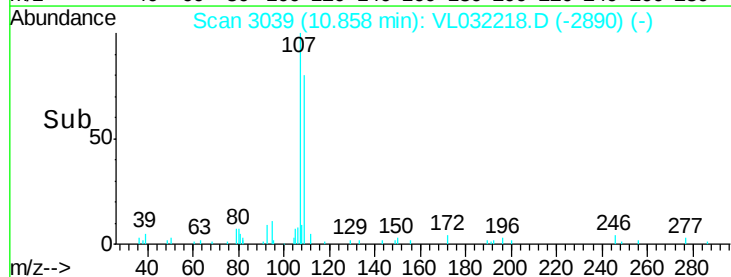
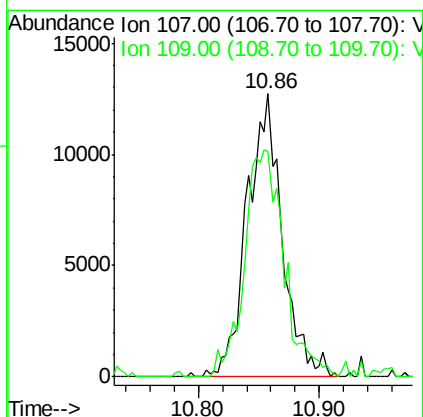
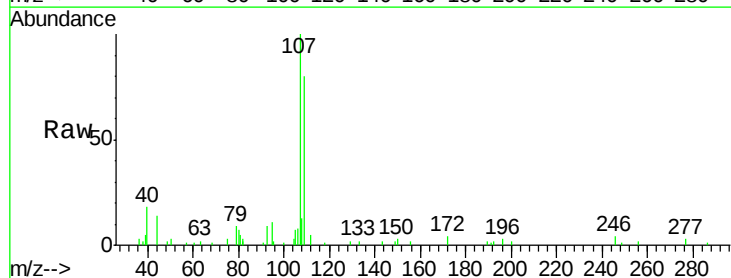
Acq: 6 Jul 2018 00:38

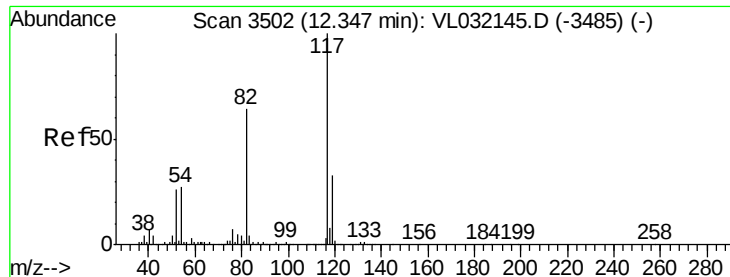
Tgt Ion: 107 Resp: 25249

Ion Ratio Lower Upper

107 100

109 79.7 75.0 112.4





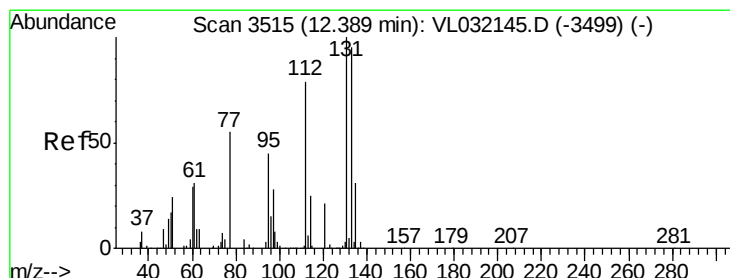
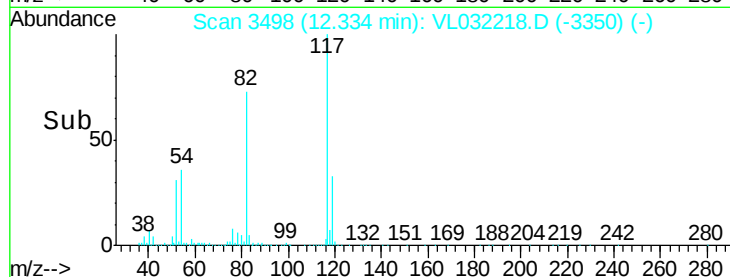
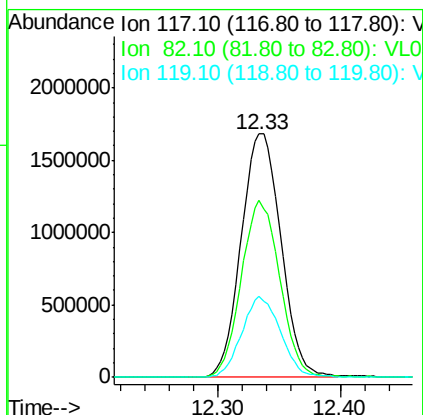
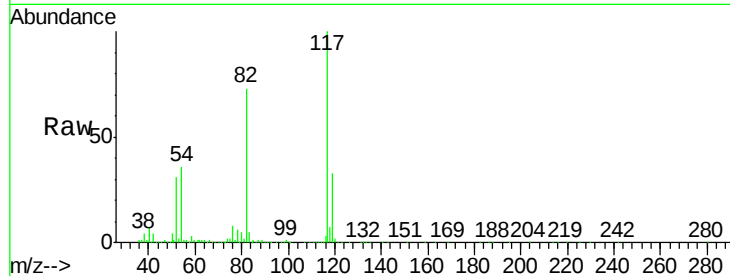
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.8	47.8	71.8
119	32.4	43.3	64.9#

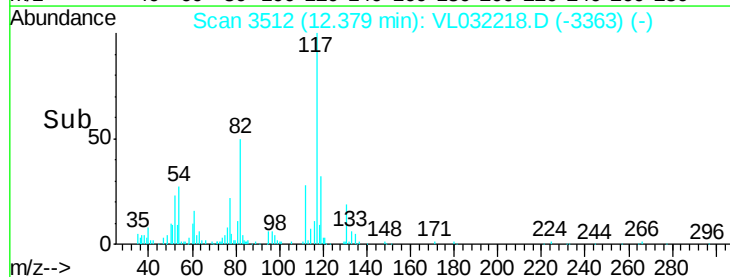
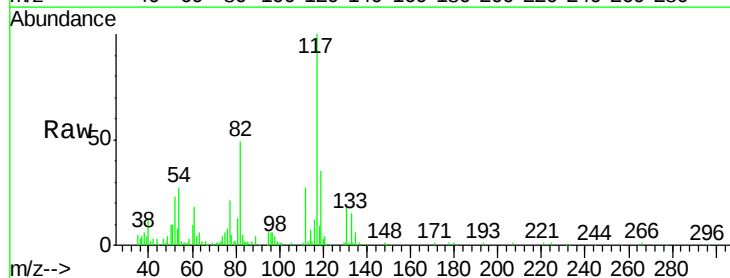
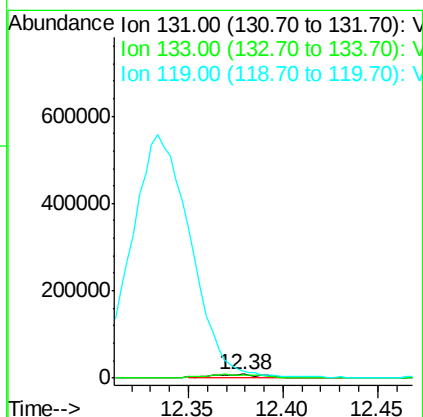
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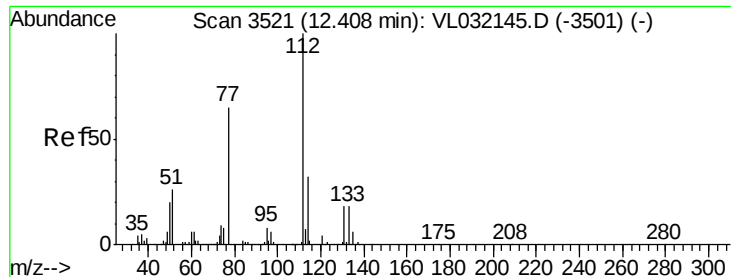
MMDadoda
7/9/2018 10:47:44 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.10 ppbv m
RT: 12.38 min Scan# 3512
Delta R.T. -0.02 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.5	113.3#
119	0.0	118.4	177.6#





#57

Chlorobenzene

Concen: 0.14 ppbv m

RT: 12.40 min Scan# 3518

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

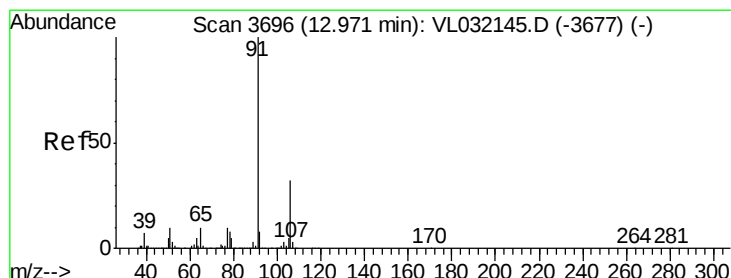
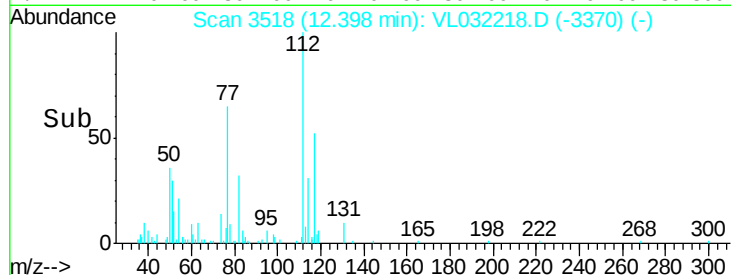
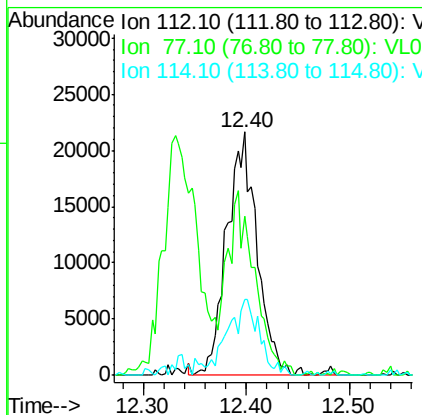
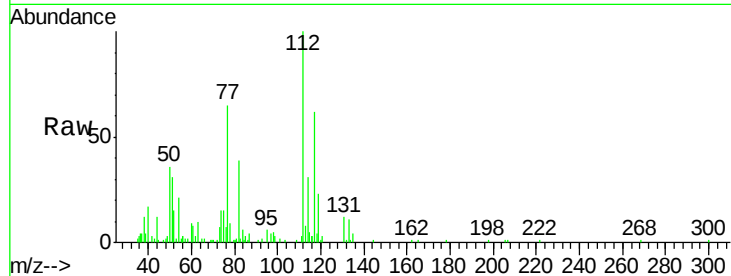
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	112	Resp:	44578
Ion Ratio	Lower	Upper	
112	100		
77	65.4	52.6	78.8
114	31.0	27.9	34.1

Manual Integrations
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7/9/2018 10:47:44 AM



#58

Ethyl Benzene

Concen: 0.09 ppbv m

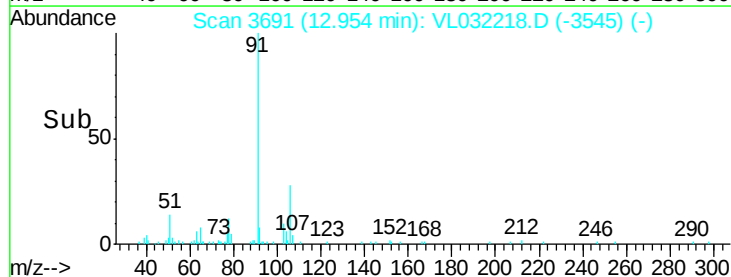
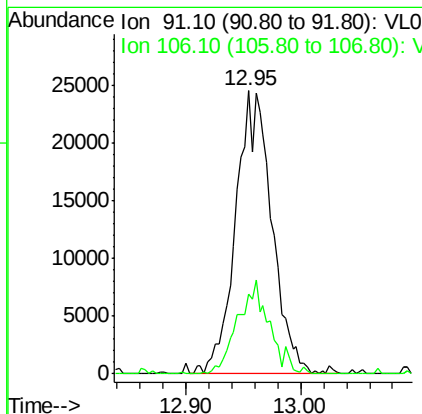
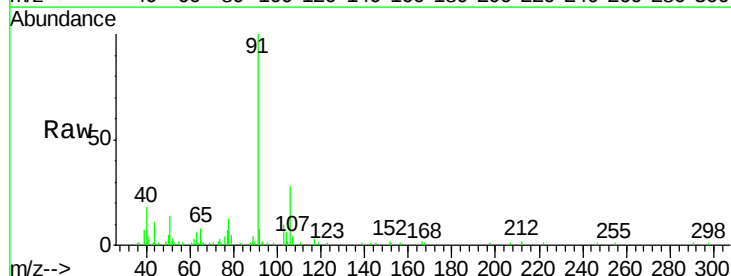
RT: 12.95 min Scan# 3691

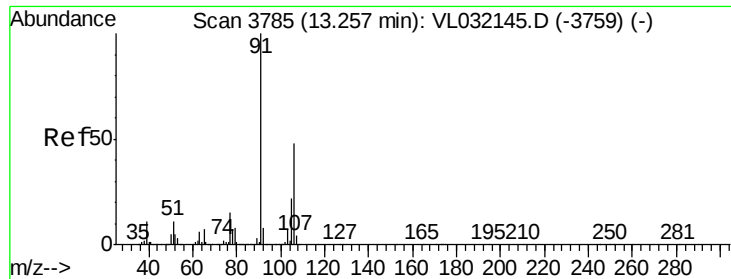
Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	91	Resp:	53909
Ion Ratio	Lower	Upper	
91	100		
106	28.2	26.5	39.7





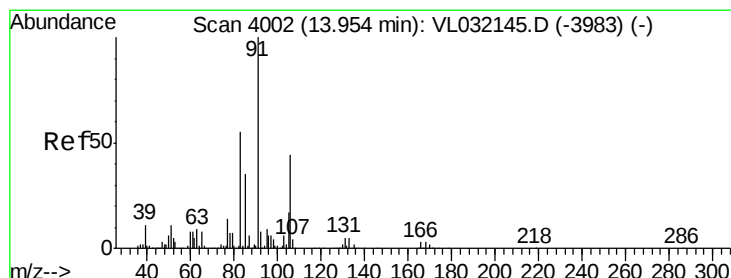
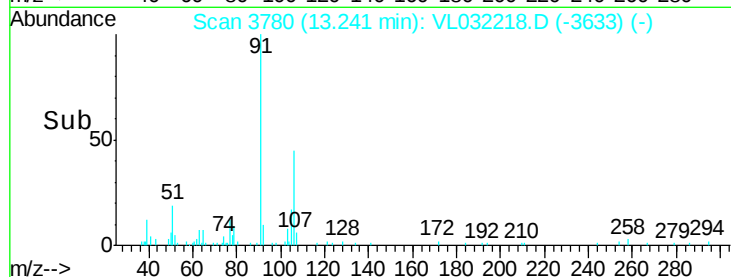
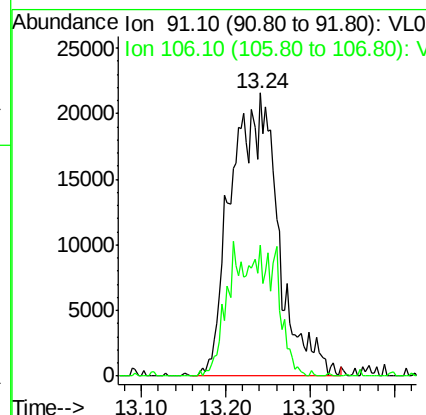
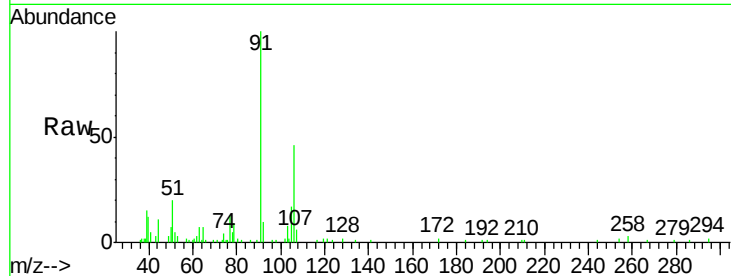
#59
m/p-Xylene
Concen: 0.17 ppbv m
RT: 13.24 min Scan# 3780
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion: 91 Resp: 84358
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#

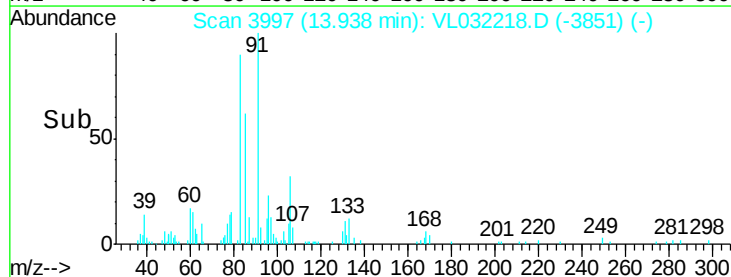
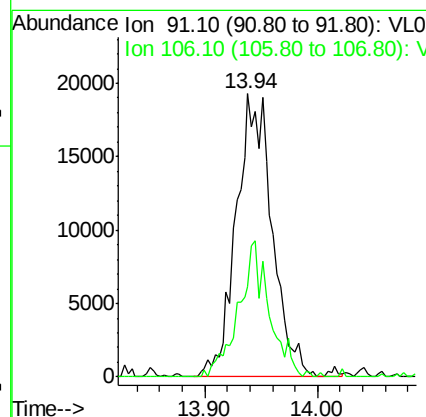
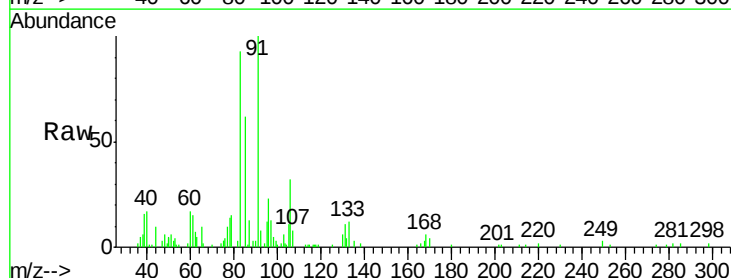
Manual Integrations
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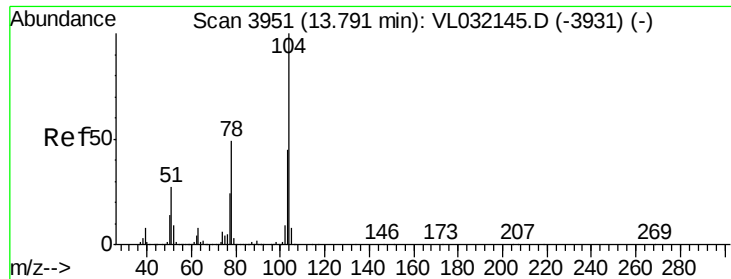
MMDadoda
7/9/2018 10:47:44 AM



#60
o-Xylene
Concen: 0.09 ppbv m
RT: 13.94 min Scan# 3997
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion: 91 Resp: 42823
Ion Ratio Lower Upper
91 100
106 0.0 23.3 69.8#





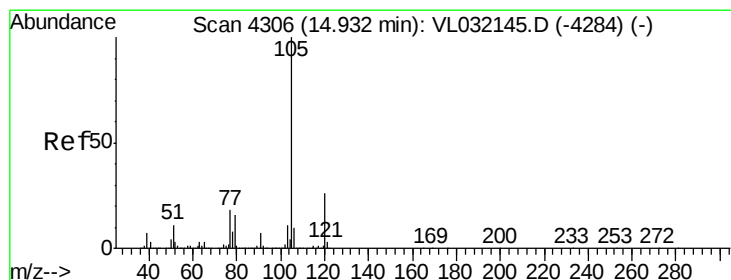
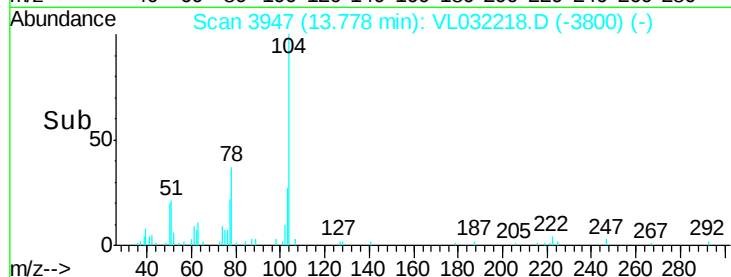
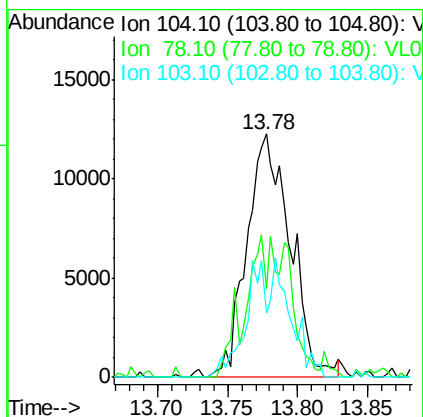
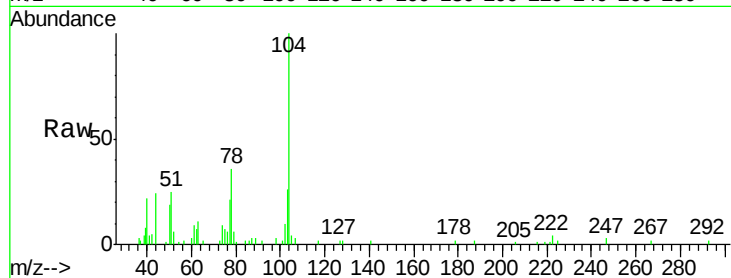
#61
Stvrene
Concen: 0.07 ppbv m
RT: 13.78 min Scan# 3947
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.3	37.9	56.9#
103	0.0	36.6	55.0#

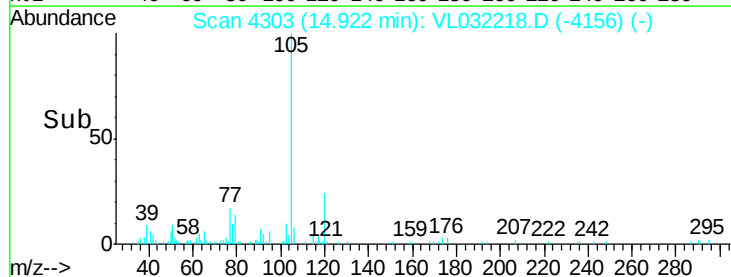
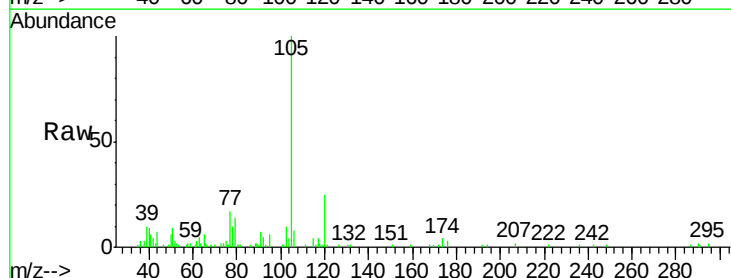
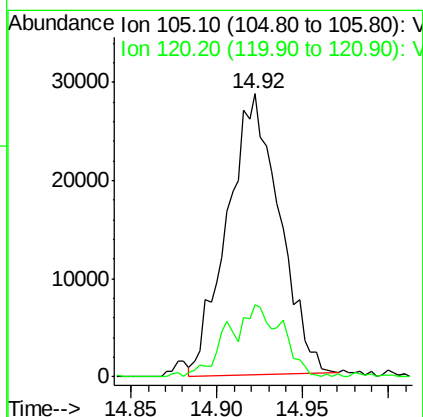
Manual Integrations
APPROVED

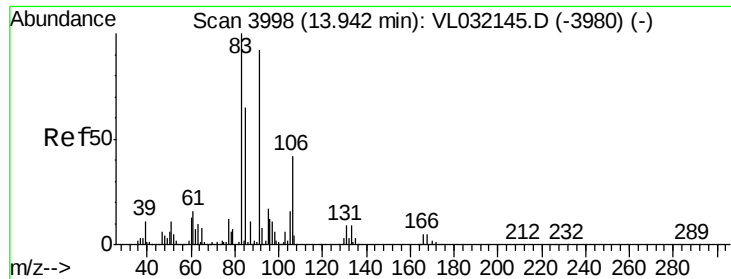
MMDadoda
7/9/2018 10:47:44 AM



#62
Isopropylbenzene
Concen: 0.08 ppbv
RT: 14.92 min Scan# 4303
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.0	31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.12 ppbv m

RT: 13.93 min Scan# 3995

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

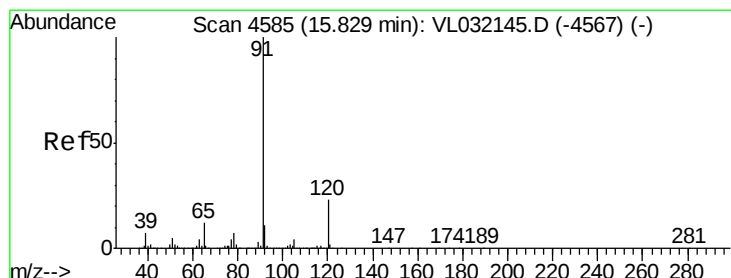
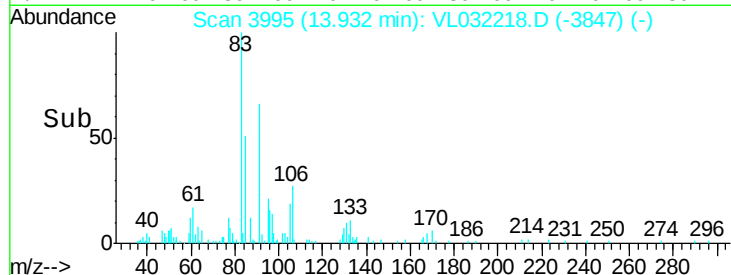
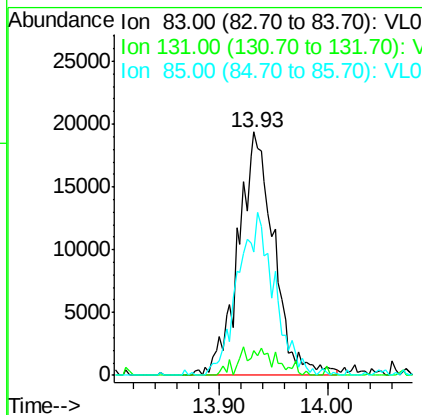
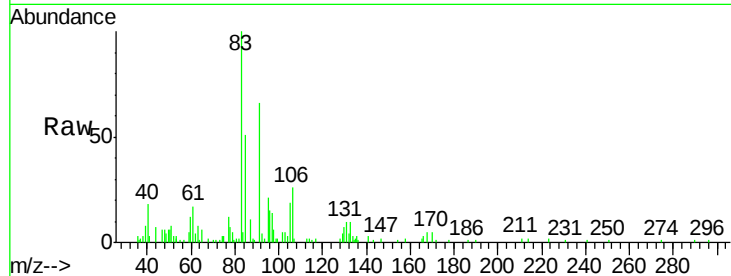
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	83	Resp:	44493
Ion Ratio	Lower	Upper	
83	100		
131	11.5	4.6	13.8
85	68.6	32.4	97.2

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7/9/2018 10:47:44 AM



#64

n-propylbenzene

Concen: 0.08 ppbv m

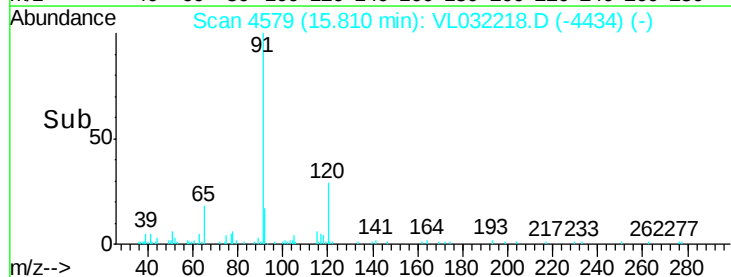
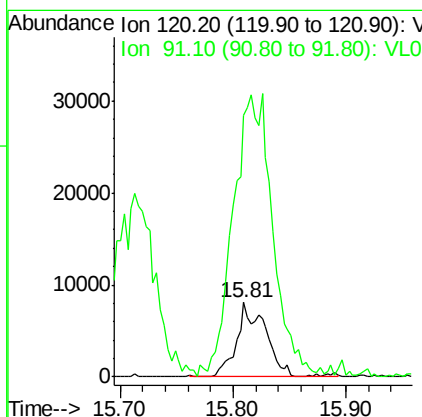
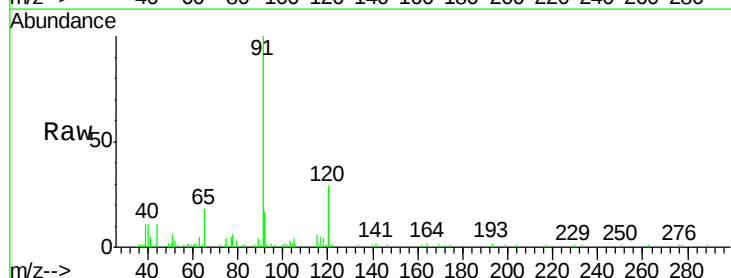
RT: 15.81 min Scan# 4579

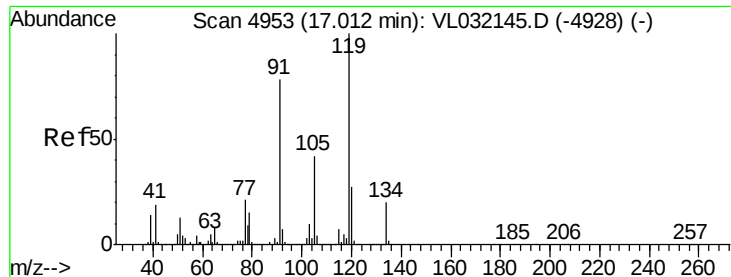
Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	120	Resp:	14698
Ion Ratio	Lower	Upper	
120	100		
91	511.2	357.4	536.0





#65

tert-Butylbenzene

Concen: 0.07 ppbv m

RT: 17.01 min Scan# 4952

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

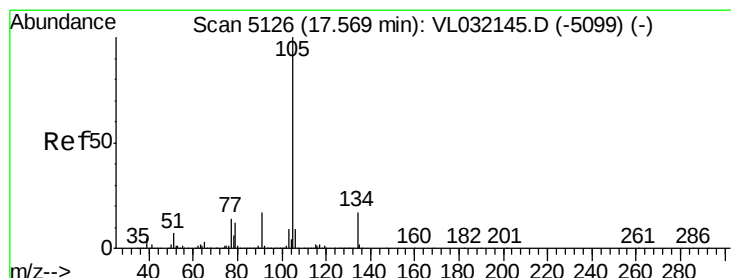
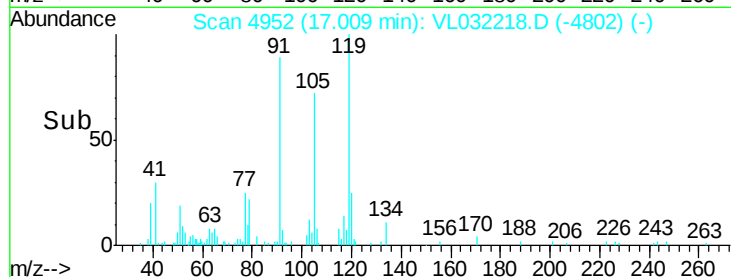
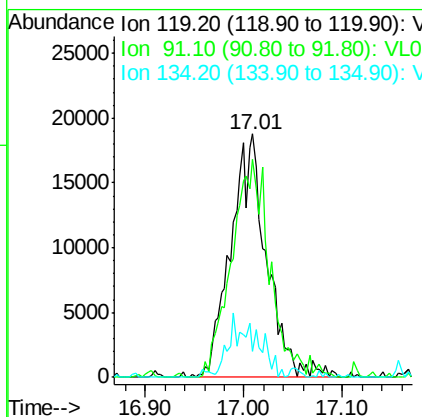
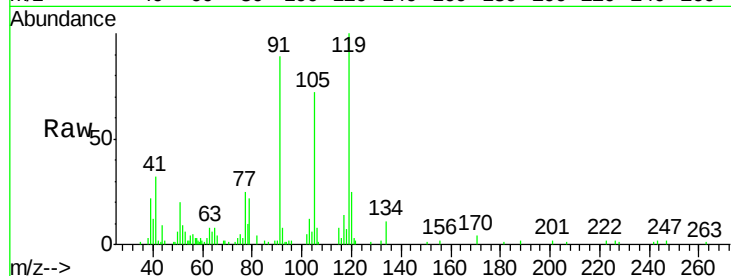
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	119	Resp:	47439
Ion Ratio	Lower	Upper	
119	100		
91	0.0	62.2	93.2#
134	21.8	16.2	24.2

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#67

sec-Butylbenzene

Concen: 0.08 ppbv m

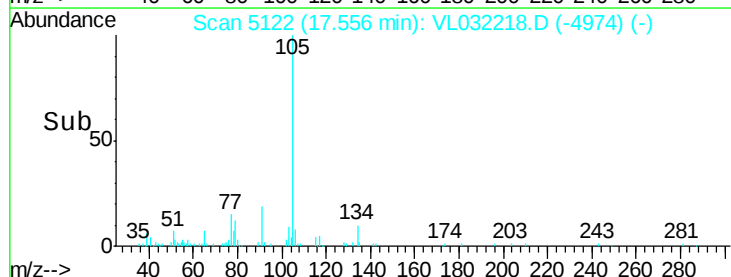
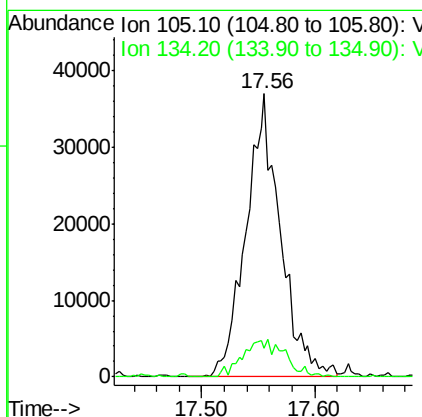
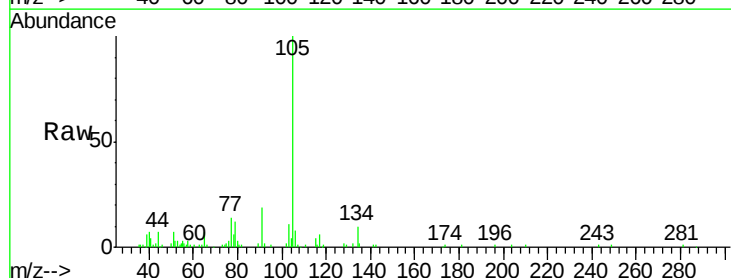
RT: 17.56 min Scan# 5122

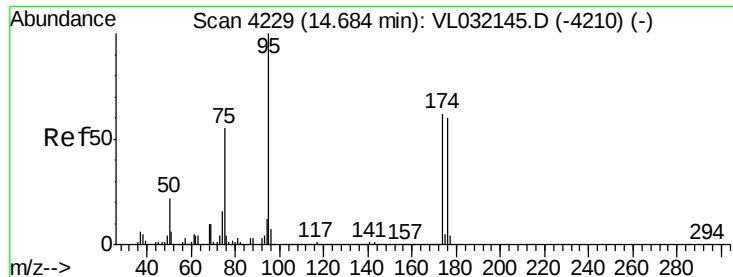
Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	105	Resp:	78267
Ion Ratio	Lower	Upper	
105	100		
134	16.2	14.7	22.1





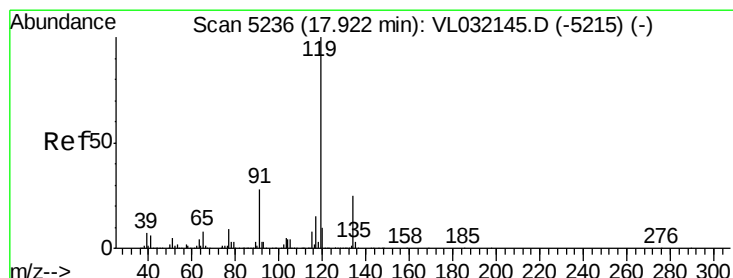
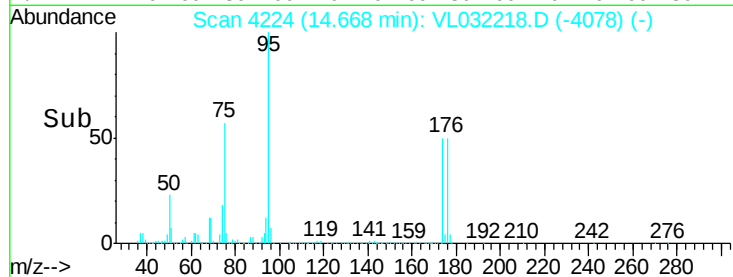
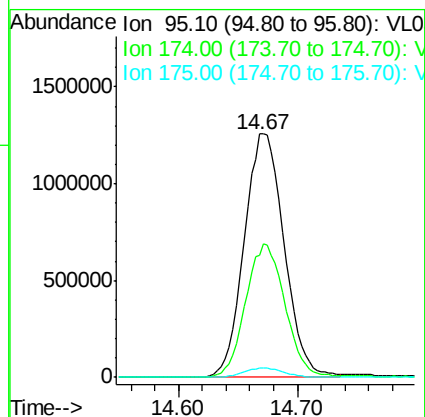
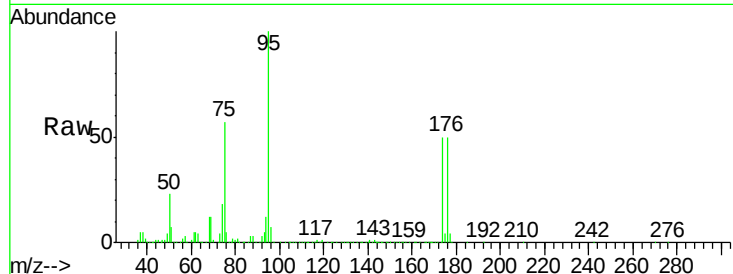
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.05 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.03 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion: 95 Resp: 2924637
 Ion Ratio Lower Upper
 95 100
 174 55.0 52.1 78.1
 175 3.9 4.0 6.0#

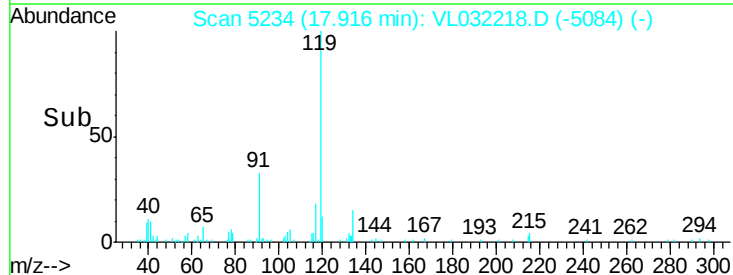
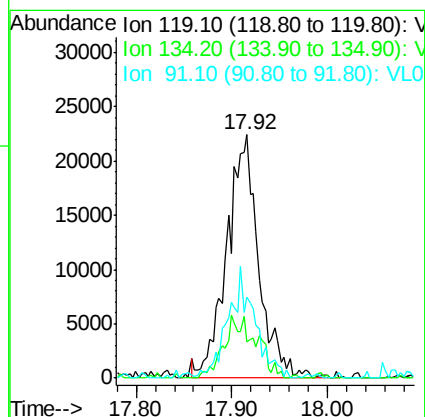
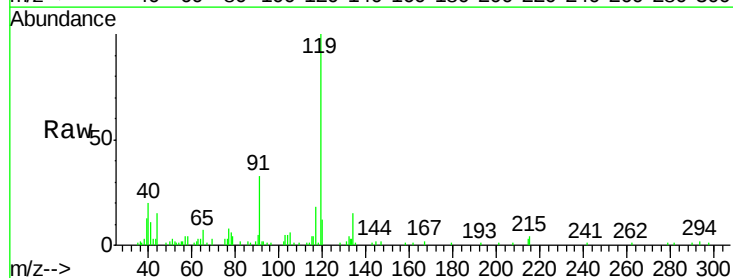
Manual Integrations
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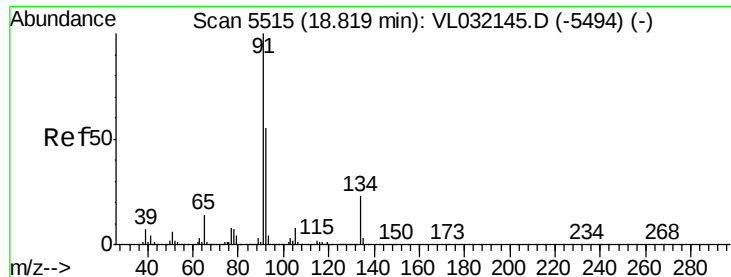
MMDadoda
 7/9/2018 10:47:44 AM



#69
 p-Isopropyltoluene
 Concen: 0.07 ppbv m
 RT: 17.92 min Scan# 5234
 Delta R.T. -0.02 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Tgt Ion: 119 Resp: 51701
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.7 31.1
 91 0.0 21.8 32.8#





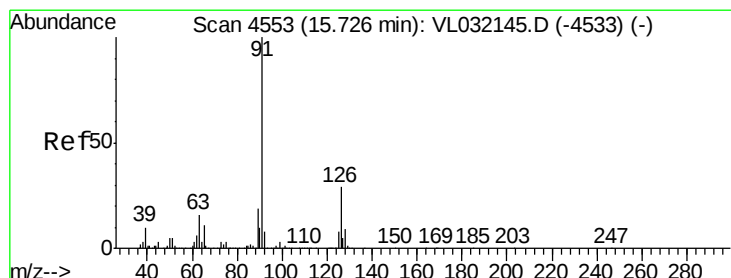
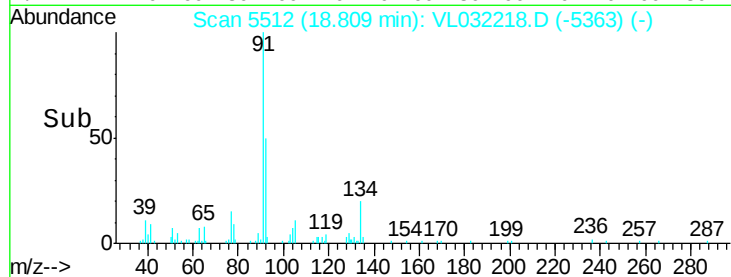
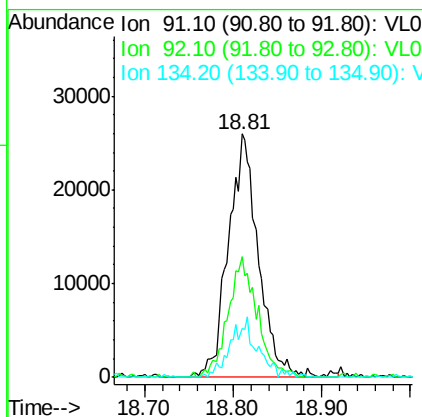
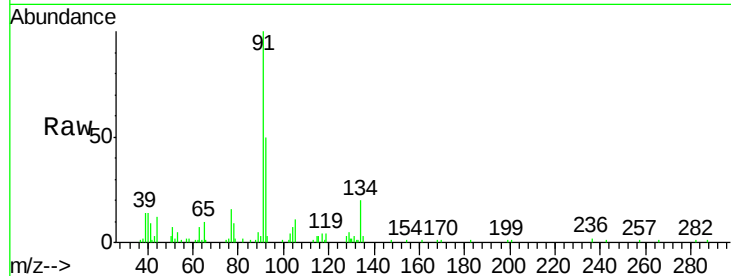
#70
n-Butylbenzene
Concen: 0.08 ppbv m
RT: 18.81 min Scan# 5512
Delta R.T. -0.02 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.6	43.7	65.5
134	22.1	18.9	28.3

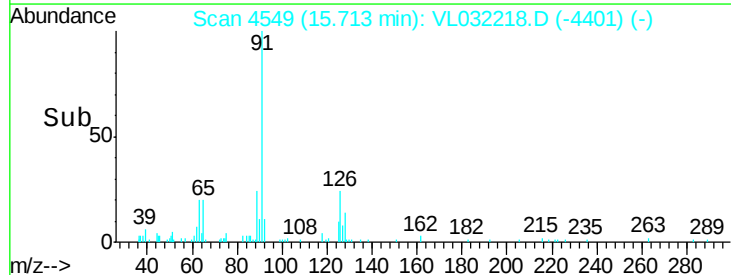
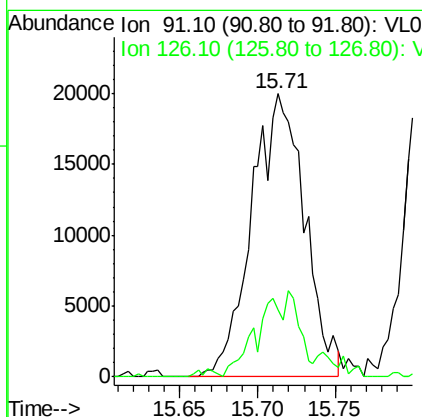
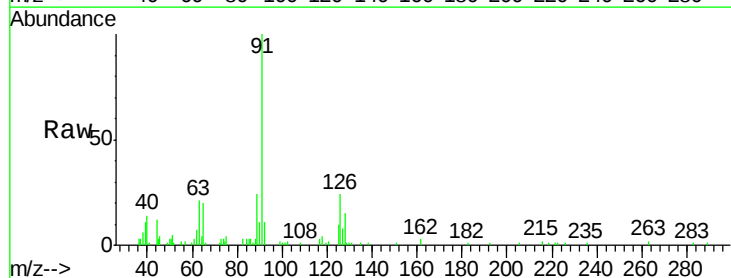
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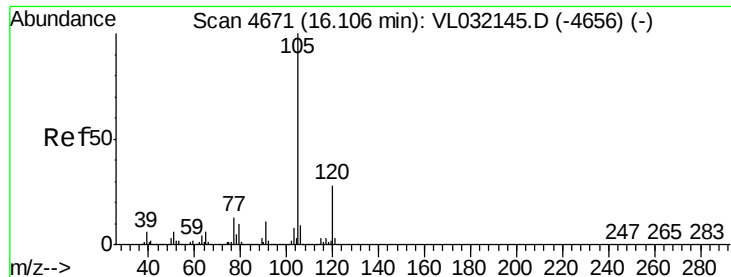
MMDadoda
7/9/2018 10:47:44 AM



#71
2-Chlorotoluene
Concen: 0.08 ppbv m
RT: 15.71 min Scan# 4549
Delta R.T. -0.03 min
Lab File: VL032218.D
Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	12.8	51.0





#72

4-Ethyltoluene

Concen: 0.07 ppbv m

RT: 16.09 min Scan# 4667

Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

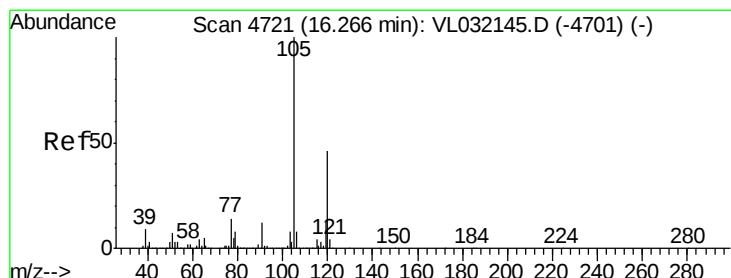
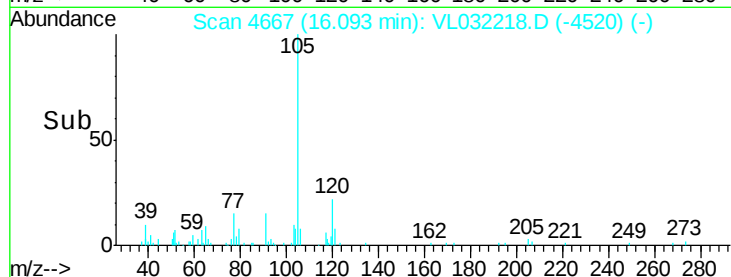
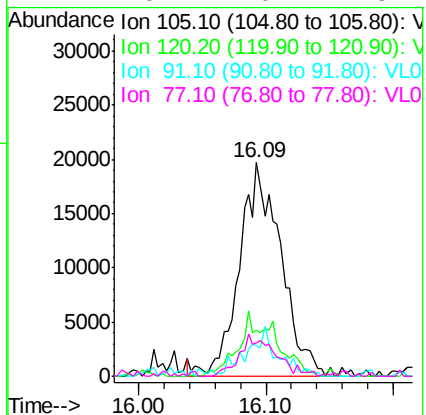
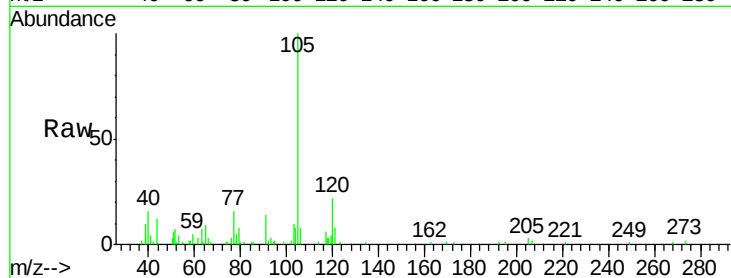
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	105	Resp:	44525
Ion Ratio	Lower	Upper	
105	100		
120	27.9	24.3	36.5
91	0.0	9.4	14.0#
77	16.7	10.2	15.2#

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#73

1,3,5-Trimethylbenzene

Concen: 0.07 ppbv m

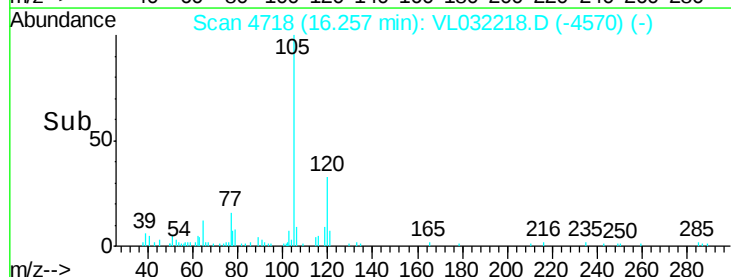
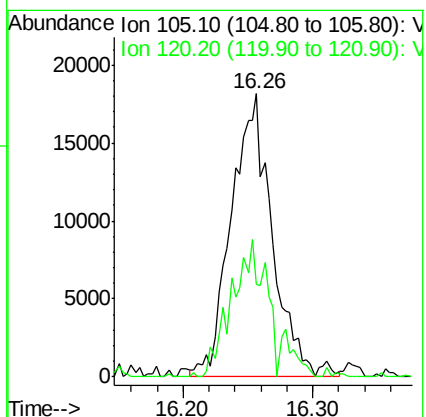
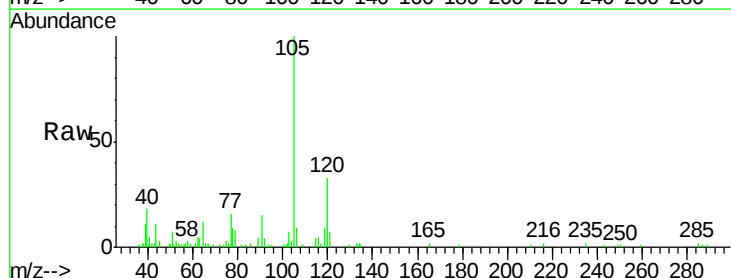
RT: 16.26 min Scan# 4718

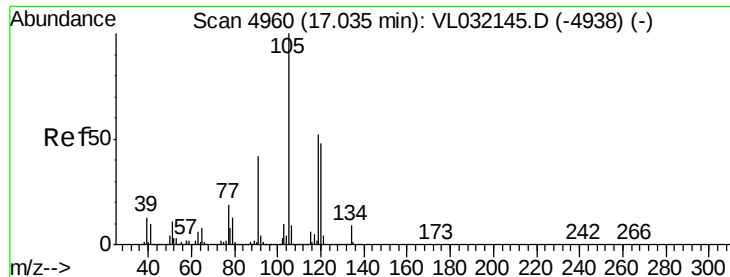
Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion:	105	Resp:	40075
Ion Ratio	Lower	Upper	
105	100		
120	33.0	38.6	57.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.07 ppbv

RT: 17.02 min Scan# 4955

Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

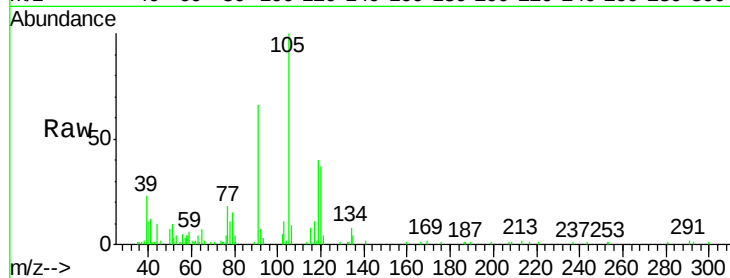
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	105	Resp:	44554
Ion Ratio	Lower	Upper	
105	100		
120	34.4	38.8	58.2#
91	61.5	33.6	50.4#
77	16.7	16.0	24.0

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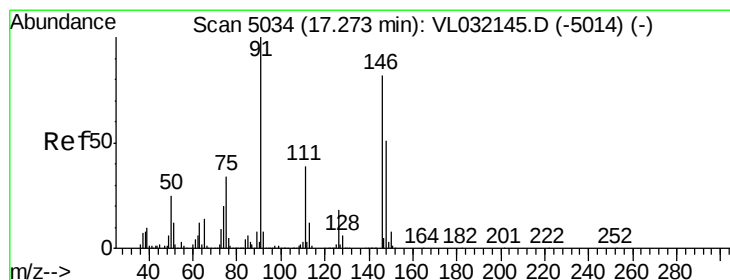
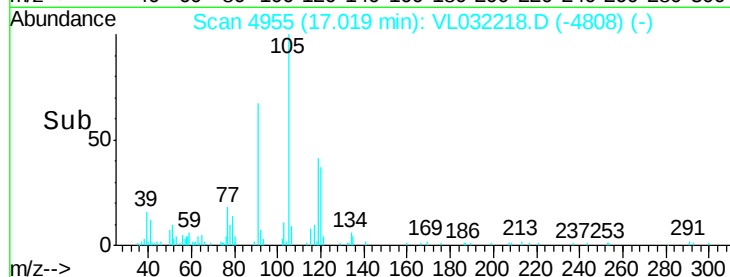
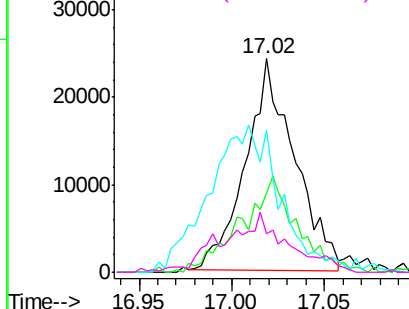


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.12 ppbv m

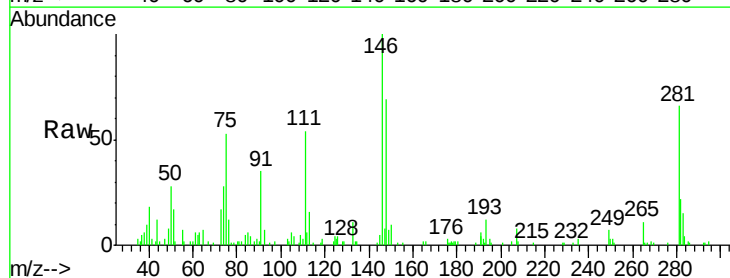
RT: 17.26 min Scan# 5031

Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

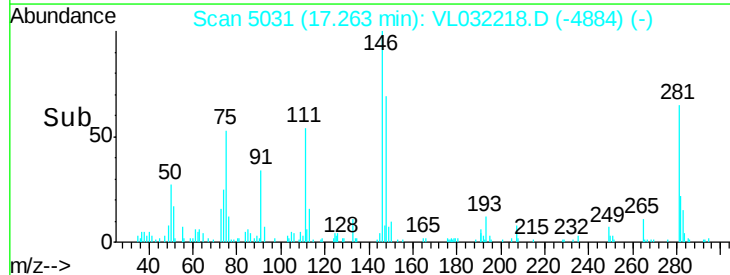
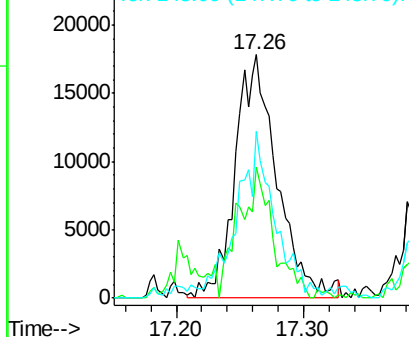
Tgt Ion:	146	Resp:	40617
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.9	68.8#
148	0.0	31.7	95.1#

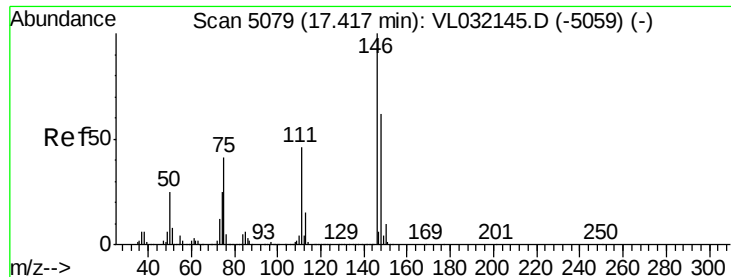


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.09 ppbv m

RT: 17.40 min Scan# 5073

Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

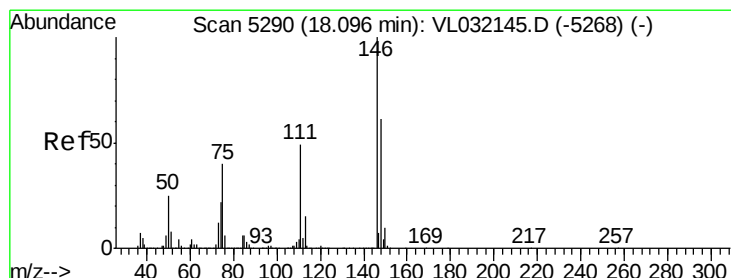
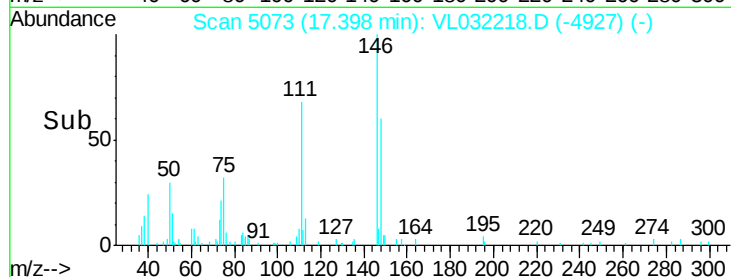
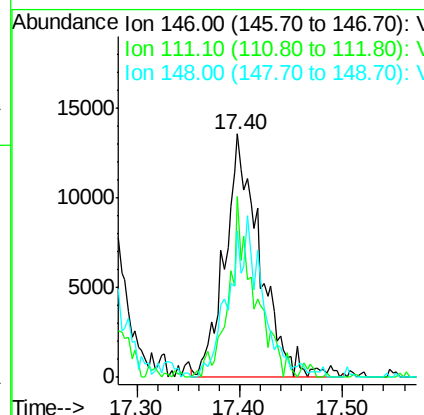
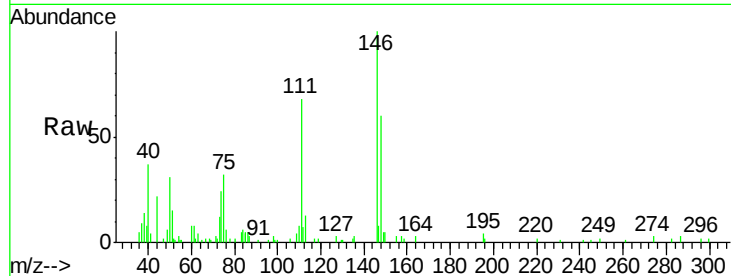
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.9	21.9	65.8
148	0.0	32.1	96.5#

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#77

1,2-Dichlorobenzene

Concen: 0.10 ppbv m

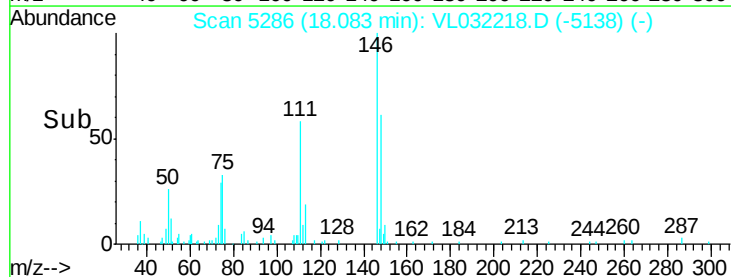
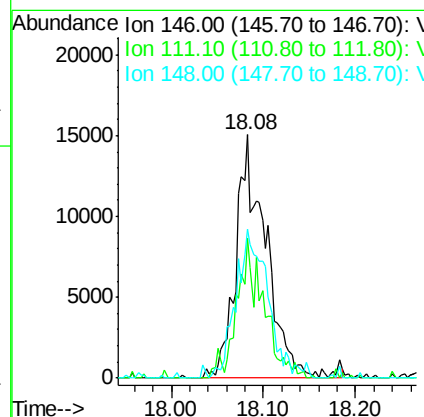
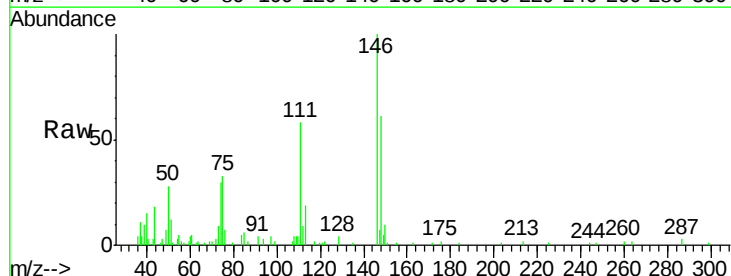
RT: 18.08 min Scan# 5286

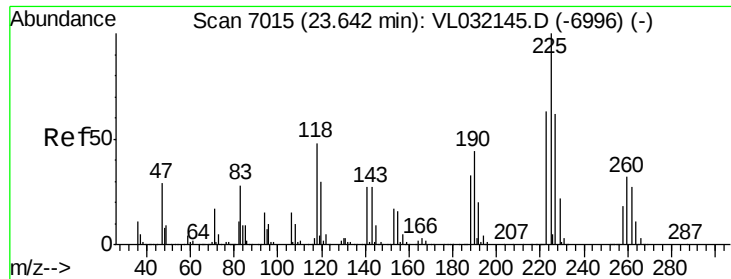
Delta R.T. -0.03 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.3#
148	0.0	32.0	96.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.13 ppbv m

RT: 23.64 min Scan# 7014

Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Instrument :

MSVOA_L

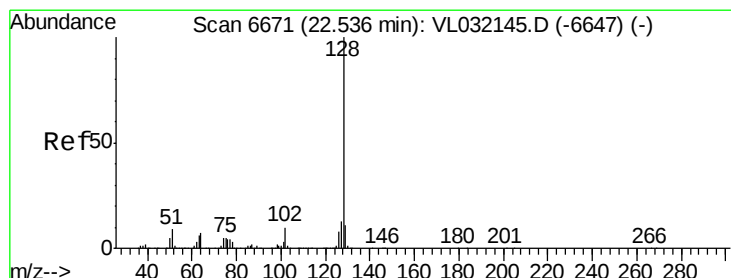
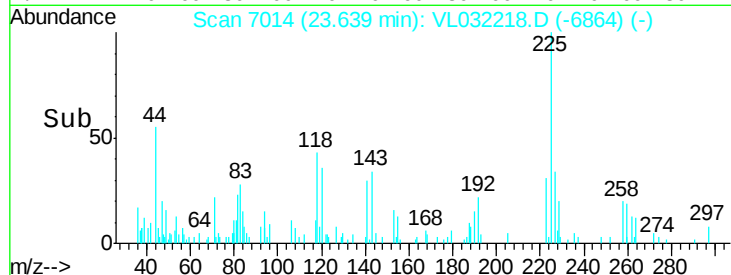
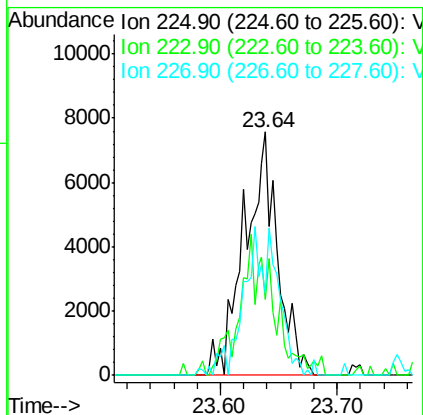
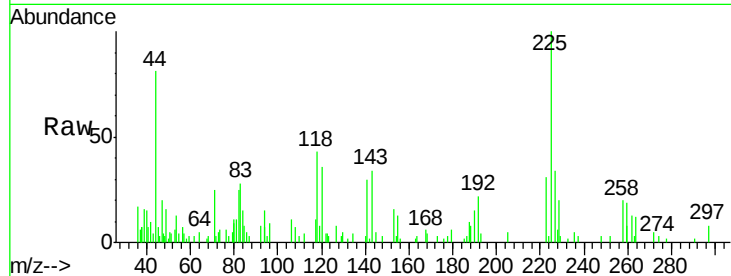
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.4#
227	0.0	51.4	77.0#

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#79

Naphthalene

Concen: 0.04 ppbv m

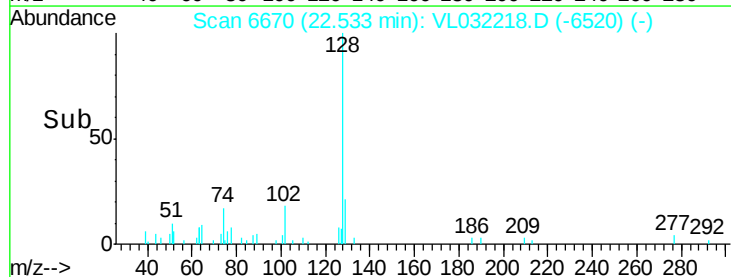
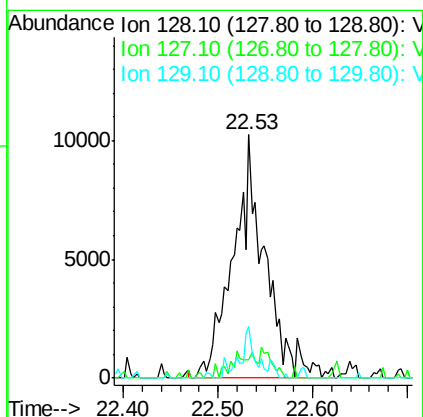
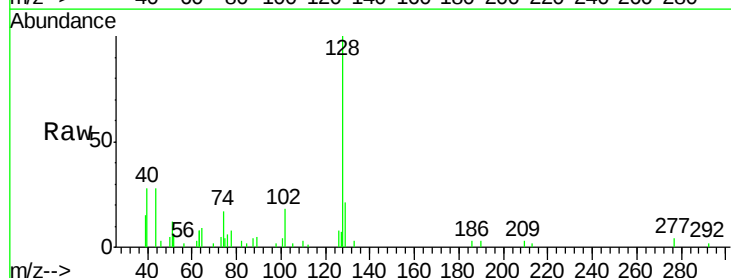
RT: 22.53 min Scan# 6670

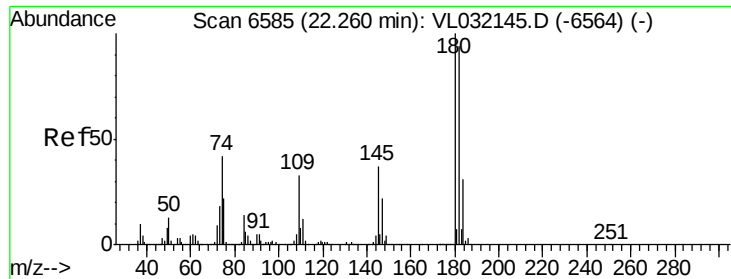
Delta R.T. -0.02 min

Lab File: VL032218.D

Acq: 6 Jul 2018 00:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.4	10.5	15.7#
129	21.4	9.0	13.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.06 ppbv m
 RT: 22.26 min Scan# 6586
 Delta R.T. -0.01 min
 Lab File: VL032218.D
 Acq: 6 Jul 2018 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.4#
184	0.0	24.4	36.6#

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:44 AM

